

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072122\
 Data File : BF129295.D
 Acq On : 21 Jul 2022 13:44
 Operator : CG\JU
 Sample : N3214-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

Quant Time: Jul 21 14:07:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 13:42:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/22/2022
 Supervised By : Jagrut Upadhyay 07/22/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	179688	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	680864	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	355988	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	620681	20.000	ng	# 0.00
76) Chrysene-d12	14.069	240	468039	20.000	ng	-0.01
86) Perylene-d12	15.563	264	372438	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1198802	108.816	ng	0.00
7) Phenol-d6	6.522	99	1628026	115.925	ng	0.00
23) Nitrobenzene-d5	7.457	82	1127526	89.093	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	422249	122.942	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1913568	82.692	ng	0.00
79) Terphenyl-d14	13.016	244	1926053	76.642	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	16384	3.354	ng	92
3) Pyridine	3.610	79	33537	2.487	ng	91
4) n-Nitrosodimethylamine	3.440	42	23048m	3.806	ng	
6) Aniline	6.557	93	71563	4.141	ng	98
8) 2-Chlorophenol	6.681	128	46817	3.876	ng	95
9) Benzaldehyde	6.446	77	39722	4.123	ng	97
10) Phenol	6.534	94	55955	3.791	ng	98
11) bis(2-Chloroethyl)ether	6.628	93	45076	3.858	ng	96
12) 1,3-Dichlorobenzene	6.834	146	51206	3.934	ng	97
13) 1,4-Dichlorobenzene	6.910	146	52493	3.986	ng	99
14) 1,2-Dichlorobenzene	7.063	146	47478	3.901	ng	98
15) Benzyl Alcohol	7.028	79	54857	5.384	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.163	45	65595	3.683	ng	94
17) 2-Methylphenol	7.134	107	37819	3.842	ng	96
18) Hexachloroethane	7.404	117	19812	4.009	ng	# 81
19) n-Nitroso-di-n-propyla...	7.293	70	33376	3.989	ng	99
20) 3+4-Methylphenols	7.287	107	48273	3.760	ng	# 86
22) Acetophenone	7.298	105	68587	4.290	ng	99
24) Nitrobenzene	7.475	77	54432	4.176	ng	95
25) Isophorone	7.704	82	88724	3.993	ng	97
26) 2-Nitrophenol	7.793	139	22870	3.636	ng	91
27) 2,4-Dimethylphenol	7.822	122	41481	4.384	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	53995	4.195	ng	98
29) 2,4-Dichlorophenol	8.028	162	36438	3.702	ng	97
30) 1,2,4-Trichlorobenzene	8.116	180	40503	3.960	ng	99
31) Naphthalene	8.198	128	140118	4.013	ng	98
32) Benzoic acid	7.875	122	10592	1.532	ng	92
33) 4-Chloroaniline	8.245	127	57483	4.036	ng	96
34) Hexachlorobutadiene	8.310	225	23681	4.051	ng	98
35) Caprolactam	8.575	113	10671	3.400	ng	# 86
36) 4-Chloro-3-methylphenol	8.716	107	41311	3.951	ng	100
37) 2-Methylnaphthalene	8.887	142	91563	4.046	ng	100
38) 1-Methylnaphthalene	8.987	142	87095	3.978	ng	98
40) 1,2,4,5-Tetrachloroben...	9.051	216	40555	4.339	ng	99
41) Hexachlorocyclopentadiene	9.039	237	14673	3.562	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	25624	3.752	ng	98

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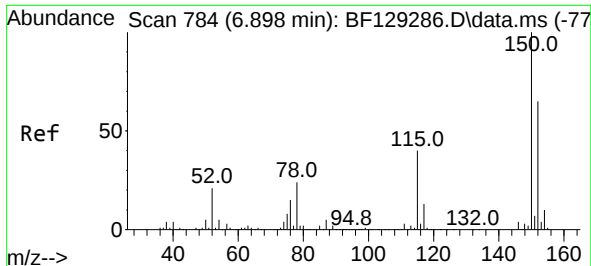
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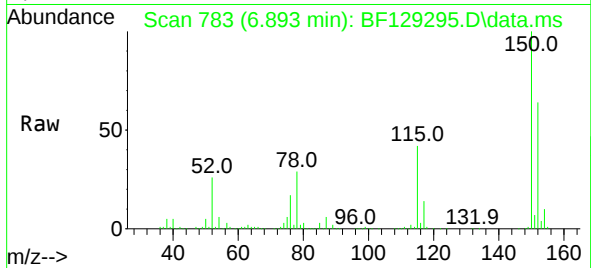
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44) 2,4,5-Trichlorophenol	9.204	196	26751	3.611	ng	95
46) 1,1'-Biphenyl	9.351	154	115526	4.392	ng	99
47) 2-Chloronaphthalene	9.381	162	85531	4.059	ng	95
48) 2-Nitroaniline	9.469	65	25587	3.616	ng	98
49) Acenaphthylene	9.792	152	138696	4.286	ng	100
50) Dimethylphthalate	9.645	163	96912	3.962	ng	97
51) 2,6-Dinitrotoluene	9.710	165	19865	3.627	ng	90
52) Acenaphthene	9.963	154	81375	3.875	ng	100
53) 3-Nitroaniline	9.881	138	22473	3.449	ng	# 94
54) 2,4-Dinitrophenol	9.986	184	4966	1.792	ng	# 82
55) Dibenzofuran	10.139	168	120087	4.115	ng	99
56) 4-Nitrophenol	10.034	139	15493	3.256	ng	89
57) 2,4-Dinitrotoluene	10.116	165	26566	3.700	ng	# 85
58) Fluorene	10.481	166	96519	4.144	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	20243m	3.544	ng	
60) Diethylphthalate	10.345	149	95278	4.049	ng	96
61) 4-Chlorophenyl-phenyle...	10.469	204	42669	4.188	ng	# 88
62) 4-Nitroaniline	10.486	138	22418	3.483	ng	95
63) Azobenzene	10.634	77	95421	3.920	ng	95
65) 4,6-Dinitro-2-methylph...	10.522	198	10556	2.765	ng	95
66) n-Nitrosodiphenylamine	10.586	169	81259	3.960	ng	97
67) 4-Bromophenyl-phenylether	10.963	248	25644	3.829	ng	90
68) Hexachlorobenzene	11.028	284	27893	3.803	ng	94
69) Atrazine	11.110	200	24949	3.978	ng	94
70) Pentachlorophenol	11.222	266	11267	2.794	ng	89
71) Phenanthrene	11.445	178	134850	3.958	ng	98
72) Anthracene	11.498	178	138624	4.107	ng	99
73) Carbazole	11.651	167	130183	4.134	ng	97
74) Di-n-butylphthalate	11.975	149	140859	3.872	ng	99
75) Fluoranthene	12.639	202	137252	3.953	ng	97
77) Benzidine	12.757	184	71730	3.846	ng	100
78) Pyrene	12.869	202	144092	3.600	ng	96
80) Butylbenzylphthalate	13.480	149	51346	3.143	ng	94
81) Benzo(a)anthracene	14.057	228	120714	3.745	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	38910	3.678	ng	98
83) Chrysene	14.092	228	113077	3.717	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	66920	3.336	ng	99
85) Di-n-octyl phthalate	14.651	149	92460	3.221	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	77258	3.026	ng	100
88) Benzo(b)fluoranthene	15.116	252	98648	3.980	ng	99
89) Benzo(k)fluoranthene	15.145	252	92953	3.862	ng	99
90) Benzo(a)pyrene	15.492	252	87285	4.352	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	64897	3.154	ng	94
92) Benzo(g,h,i)perylene	17.521	276	66467	3.108	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 70
 Delta R.T. -0.005 min
 Lab File: BF129295.D
 Acq: 21 Jul 2022 13:44

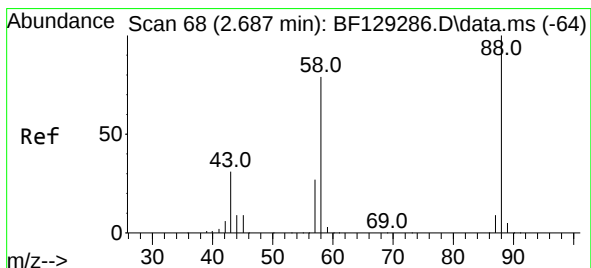
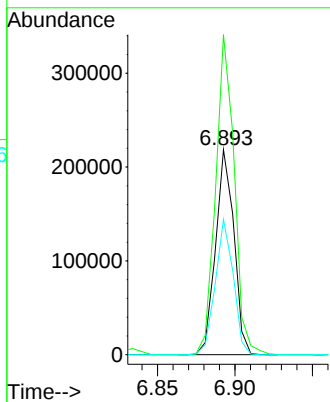
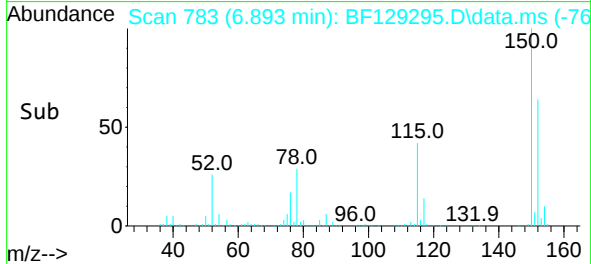
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:152 Resp: 179688
 Ion Ratio Lower Upper
 152 100
 150 156.1 123.7 185.5
 115 66.0 49.9 74.9

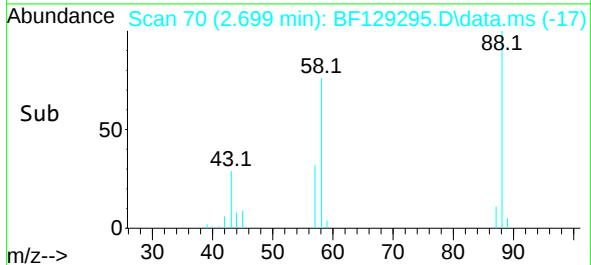
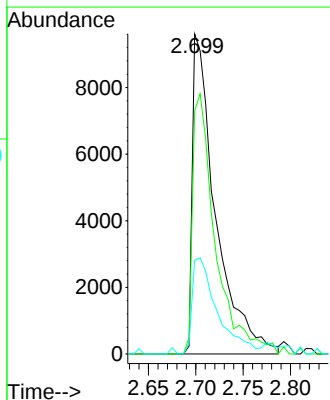
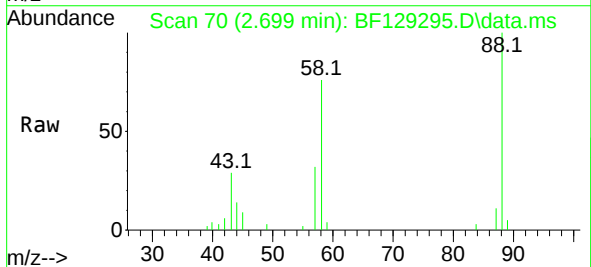
Manual Integrations
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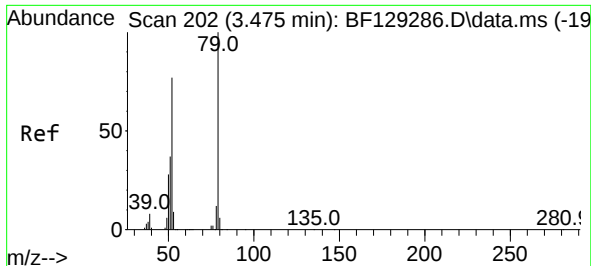
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022



#2
 1,4-Dioxane
 Concen: 3.354 ng
 RT: 2.699 min Scan# 70
 Delta R.T. 0.012 min
 Lab File: BF129295.D
 Acq: 21 Jul 2022 13:44

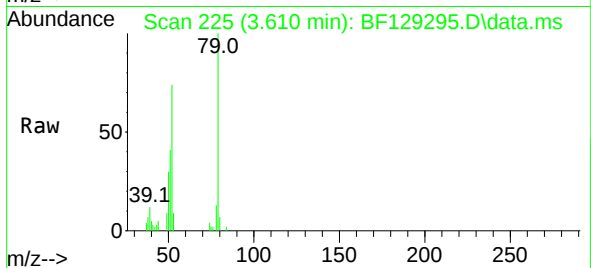
Tgt Ion: 88 Resp: 16384
 Ion Ratio Lower Upper
 88 100
 58 80.0 71.8 107.8
 43 32.3 26.6 39.8





#3
Pyridine
Concen: 2.487 ng
RT: 3.610 min Scan# 21
Delta R.T. 0.135 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

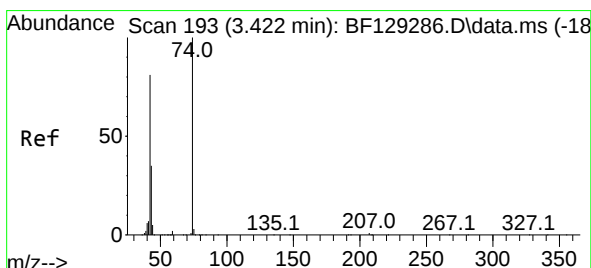
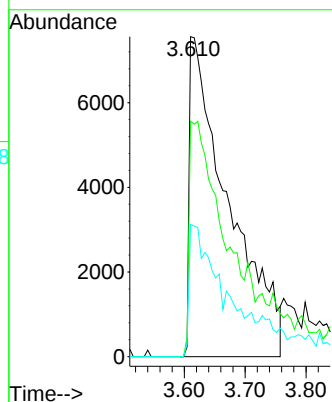
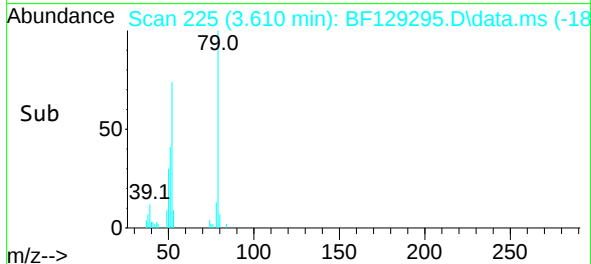
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



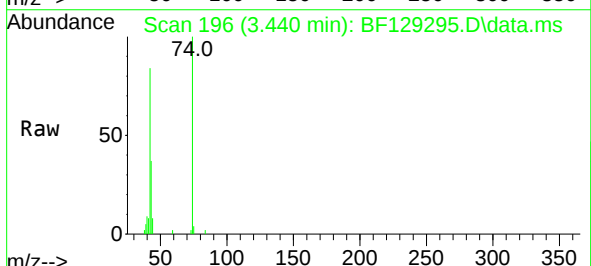
Tgt Ion: 79 Resp: 3353
Ion Ratio Lower Upper
79 100
52 73.6 68.6 102.8
51 41.3 32.9 49.3

Manual Integrations
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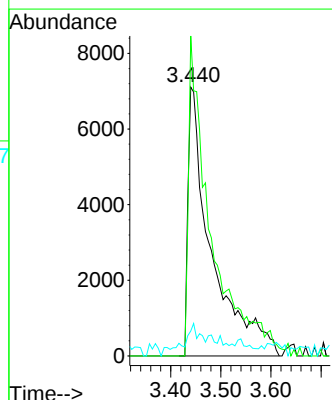
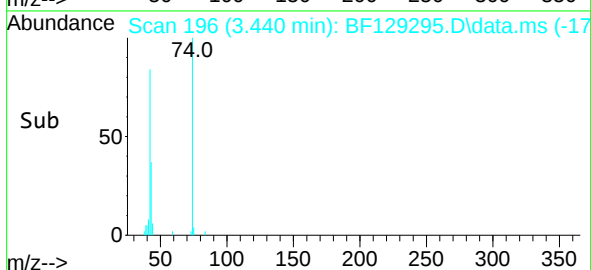
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Supervised By :Jagrut Upadhyay 07/22/2022

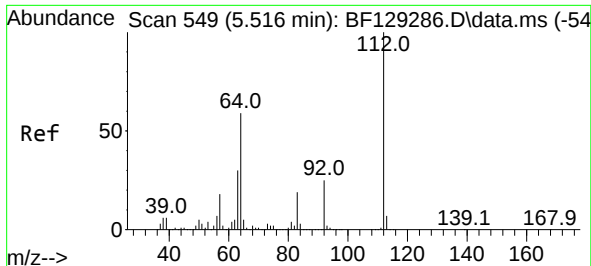


#4
n-Nitrosodimethylamine
Concen: 3.806 ng m
RT: 3.440 min Scan# 196
Delta R.T. 0.018 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



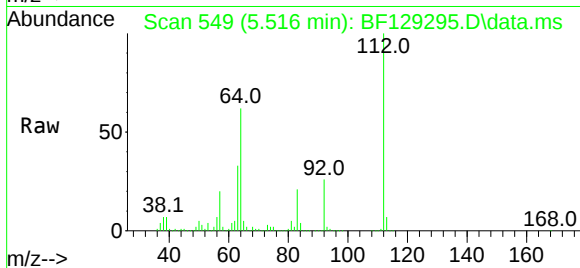
Tgt Ion: 42 Resp: 23048
Ion Ratio Lower Upper
42 100
74 119.0 94.8 142.2
44 9.3 6.6 10.0





#5
2-Fluorophenol
Concen: 108.816 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.000 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

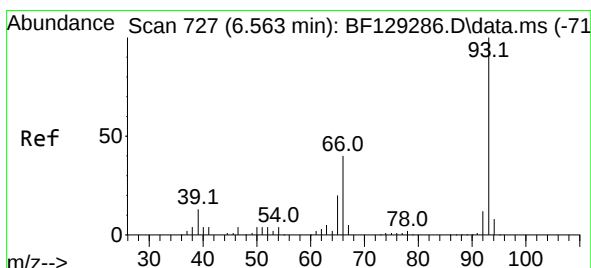
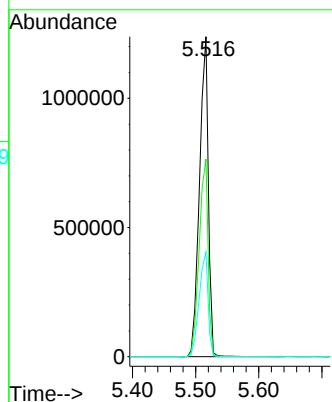
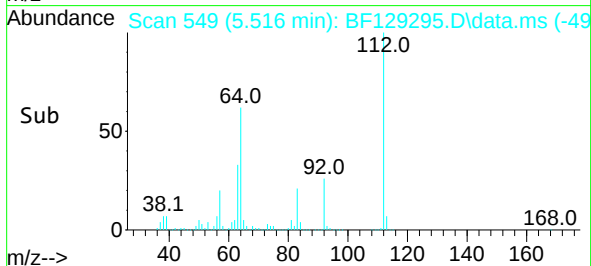
Instrument :
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LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:112 Resp: 119880
Ion Ratio Lower Upper
112 100
64 61.7 53.3 79.9
63 32.7 28.0 42.0

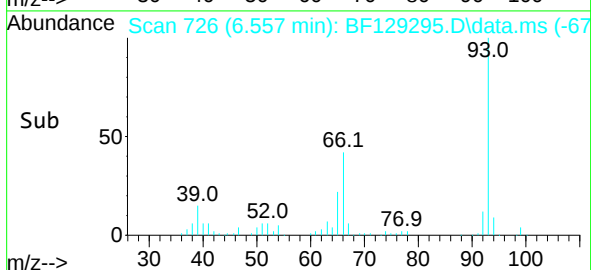
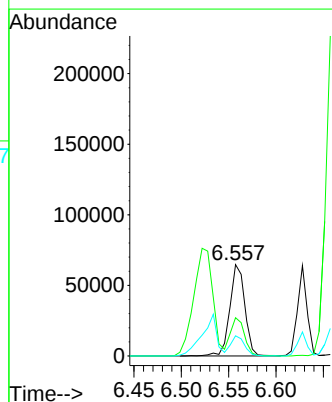
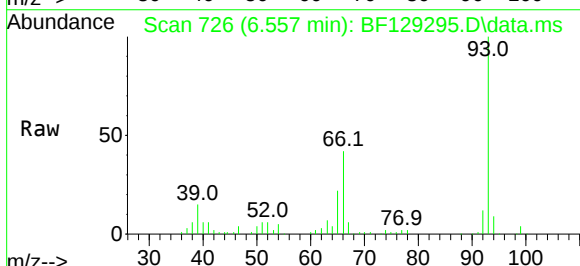
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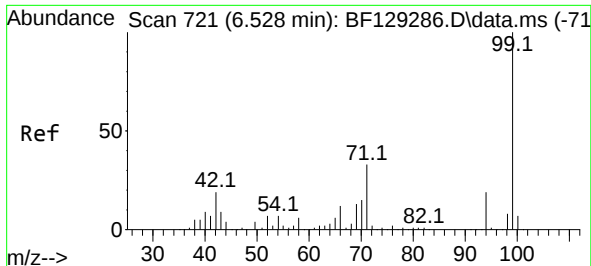
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#6
Aniline
Concen: 4.141 ng
RT: 6.557 min Scan# 726
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Tgt Ion: 93 Resp: 71563
Ion Ratio Lower Upper
93 100
66 41.8 32.5 48.7
65 22.0 16.4 24.6





#7

Phenol-d6

Concen: 115.925 ng

RT: 6.522 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 99 Resp: 162802

Ion Ratio Lower Upper

99 100

42 20.8 17.3 25.9

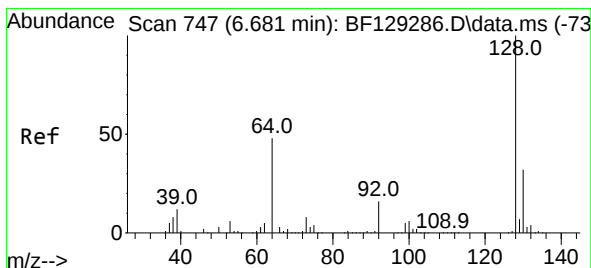
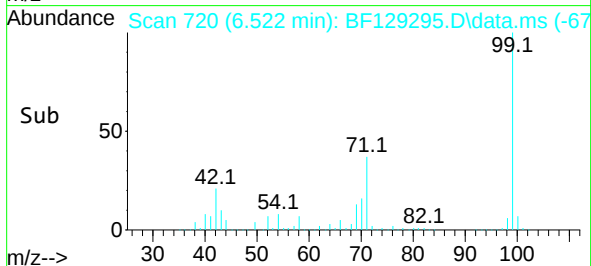
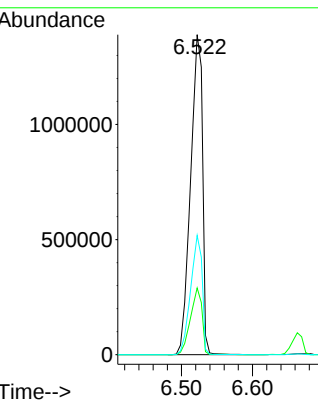
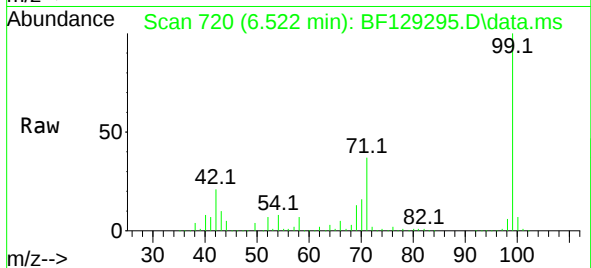
71 37.2 28.9 43.3

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#8

2-Chlorophenol

Concen: 3.876 ng

RT: 6.681 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

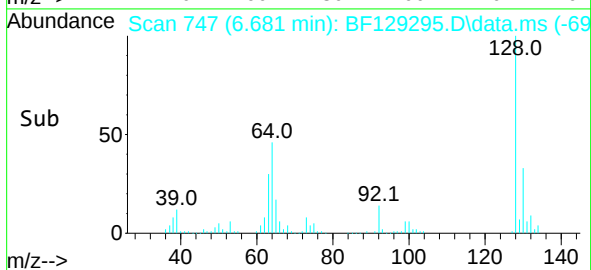
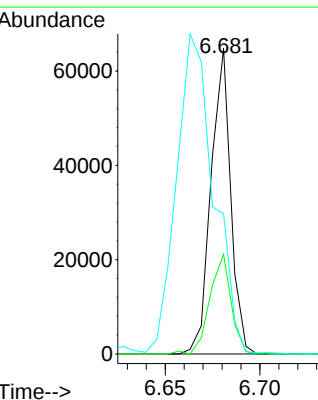
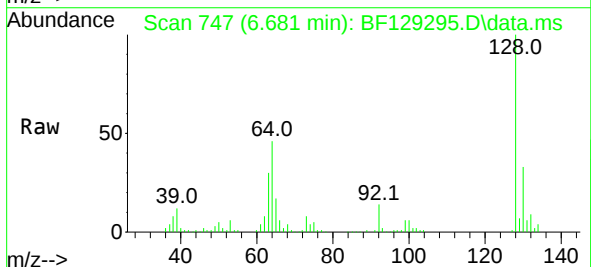
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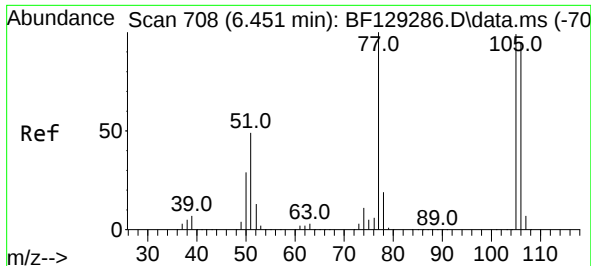
Ion Ratio Lower Upper

128 100

130 32.6 13.1 53.1

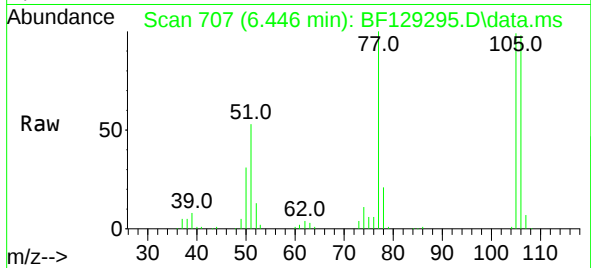
64 45.8 30.9 70.9





#9
Benzaldehyde
Concen: 4.123 ng
RT: 6.446 min Scan# 708
Delta R.T. -0.006 min
Lab File: BF129295.D
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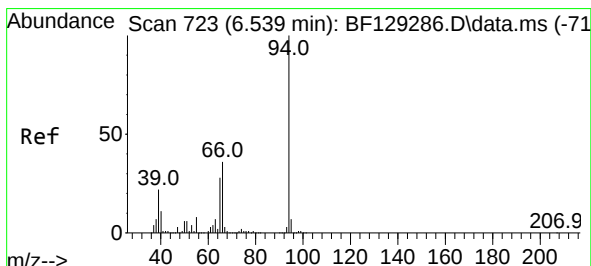
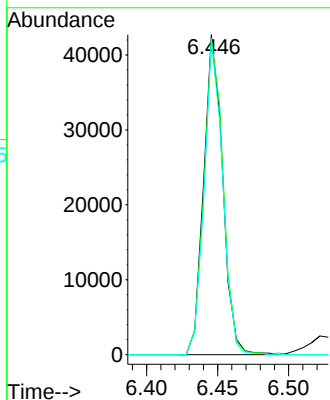
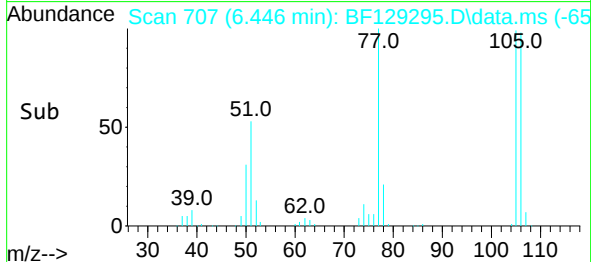
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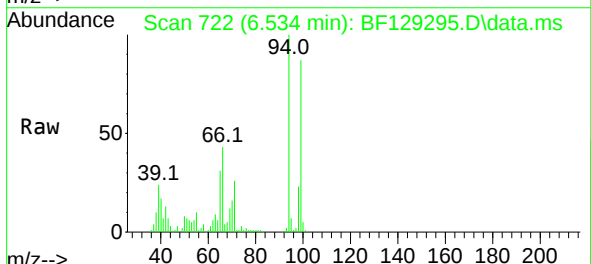
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Ion Ratio Lower Upper
77 100
105 98.9 81.6 121.6
106 98.5 76.1 116.1

Manual Integrations
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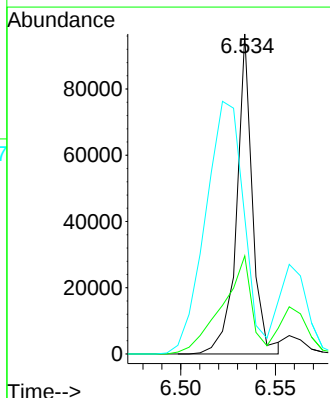
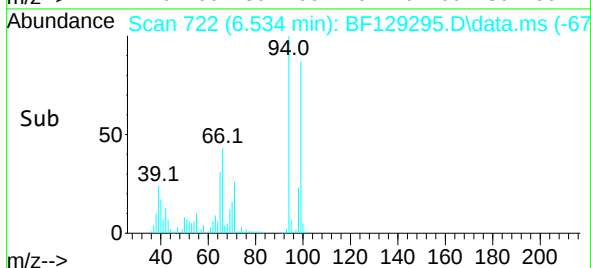
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

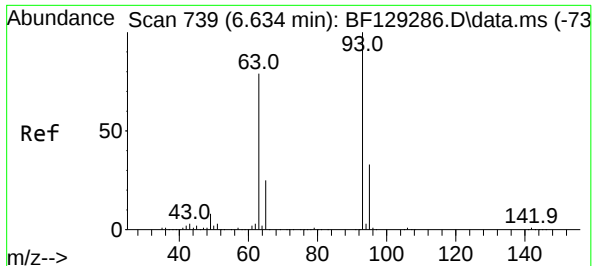


#10
Phenol
Concen: 3.791 ng
RT: 6.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



Tgt Ion: 94 Resp: 55955
Ion Ratio Lower Upper
94 100
65 30.7 11.4 51.4
66 42.8 21.4 61.4





#11

bis(2-Chloroethyl)ether

Concen: 3.858 ng

RT: 6.628 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

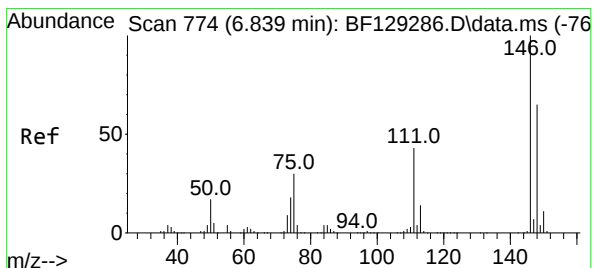
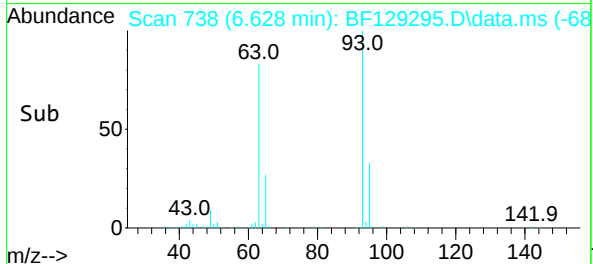
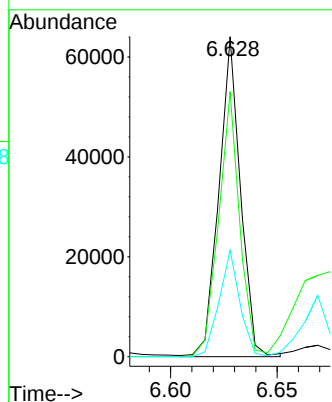
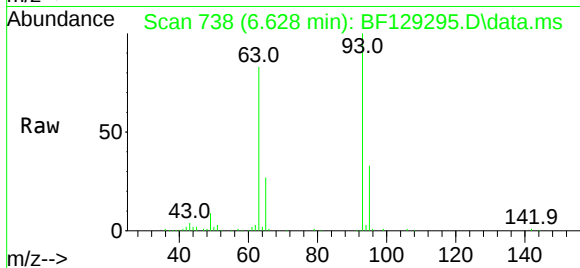
Tgt Ion: 93 Resp: 45070

Ion	Ratio	Lower	Upper
93	100		
63	82.9	67.4	107.4
95	33.3	12.7	52.7

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#12

1,3-Dichlorobenzene

Concen: 3.934 ng

RT: 6.834 min Scan# 773

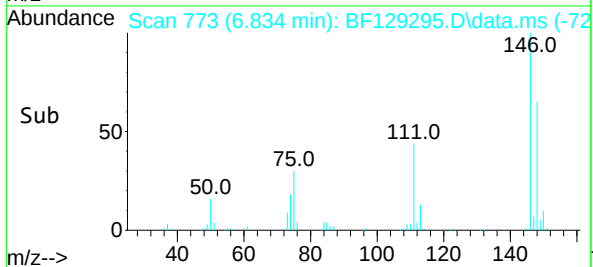
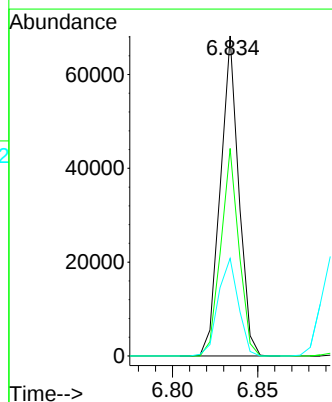
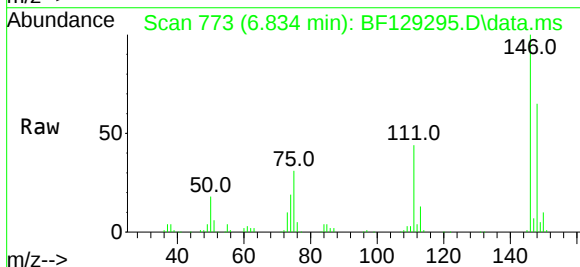
Delta R.T. -0.006 min

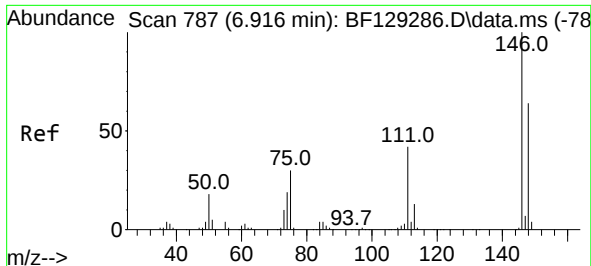
Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

Tgt Ion:146 Resp: 51206

Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.6	75.8
75	30.5	26.3	39.5





#13

1,4-Dichlorobenzene

Concen: 3.986 ng

RT: 6.910 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

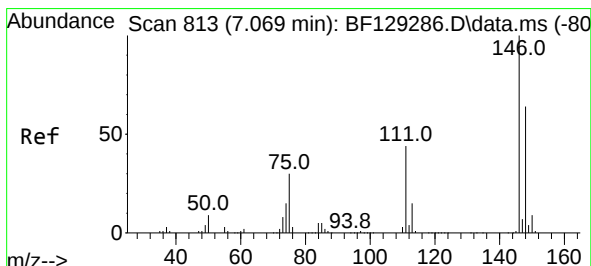
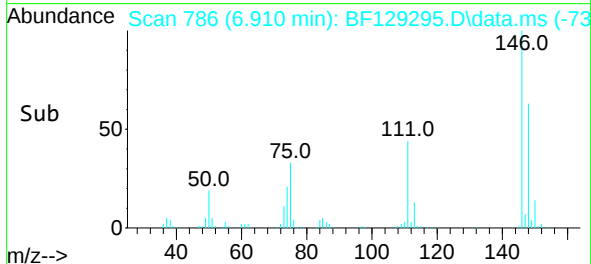
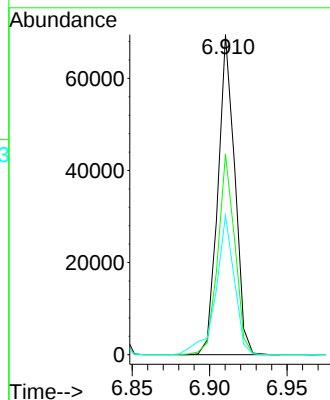
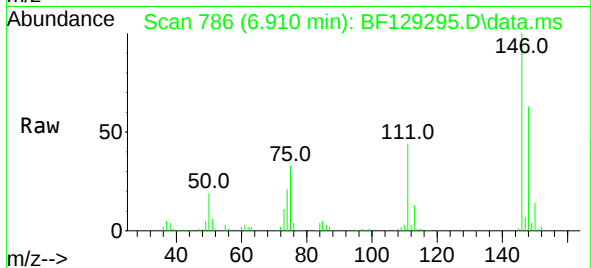
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:146	Resp:	5249
Ion Ratio	Lower	Upper
146	100	
148	62.7	51.1 76.7
111	43.5	34.2 51.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#14

1,2-Dichlorobenzene

Concen: 3.901 ng

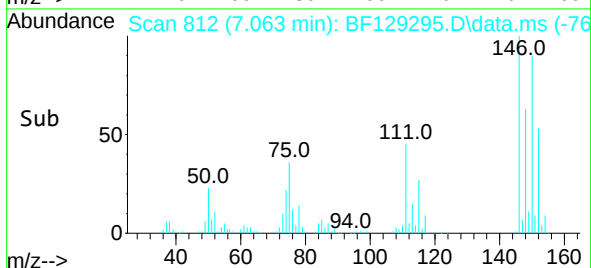
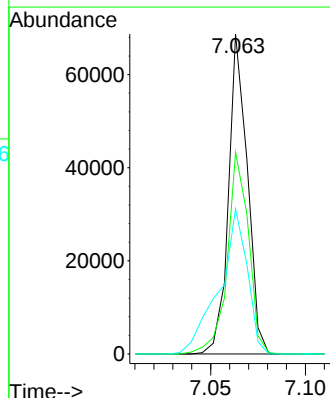
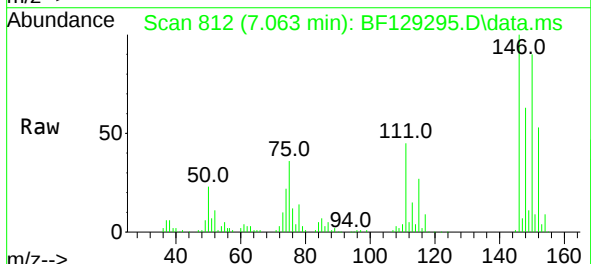
RT: 7.063 min Scan# 812

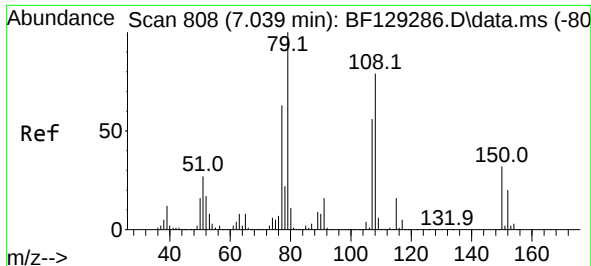
Delta R.T. -0.006 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

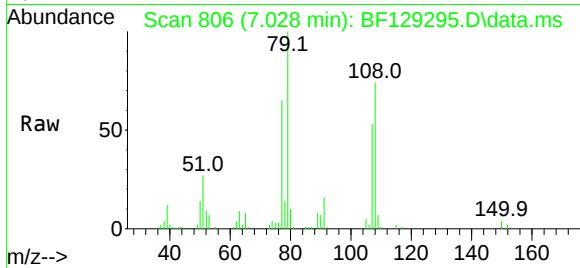
Tgt Ion:146	Resp:	47478
Ion Ratio	Lower	Upper
146	100	
148	63.0	51.8 77.8
111	45.3	35.1 52.7





#15
Benzyl Alcohol
Concen: 5.384 ng
RT: 7.028 min Scan# 808
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

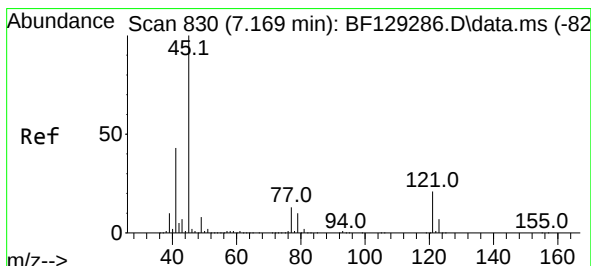
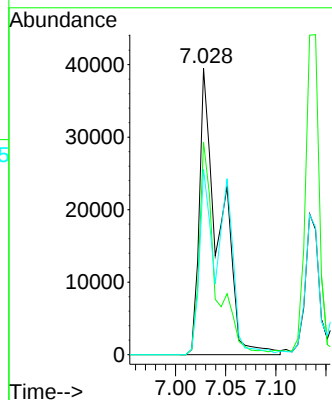
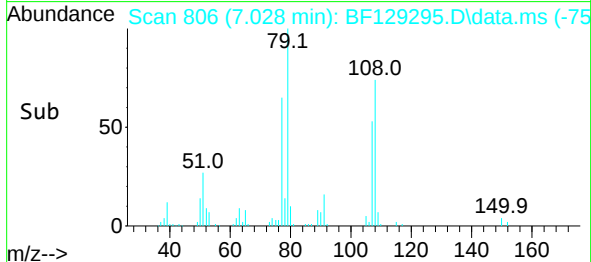
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



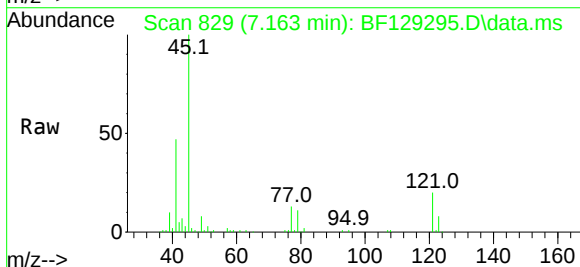
Tgt Ion: 79 Resp: 5485
Ion Ratio Lower Upper
79 100
108 74.2 61.8 92.6
77 64.8 50.2 75.4

Manual Integrations
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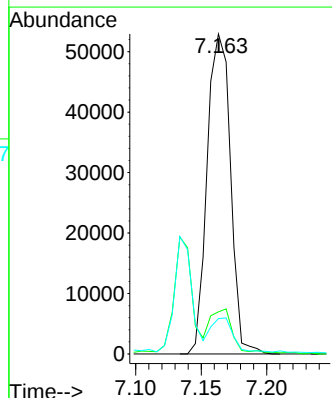
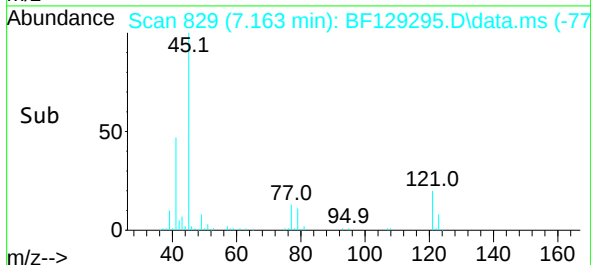
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

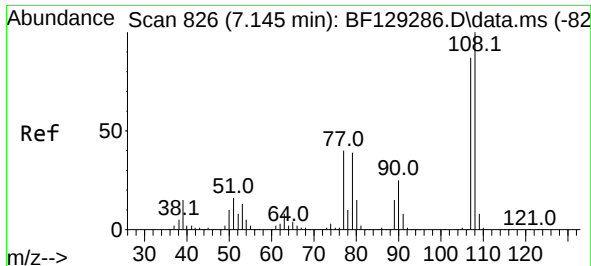


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.683 ng
RT: 7.163 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



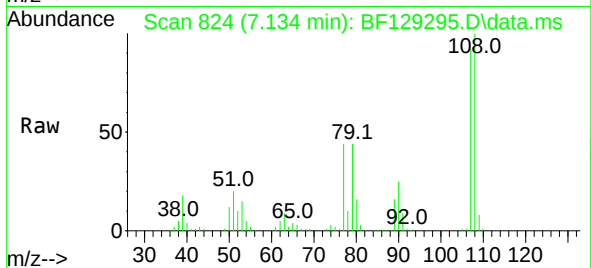
Tgt Ion: 45 Resp: 65595
Ion Ratio Lower Upper
45 100
77 13.1 0.0 31.3
79 11.0 0.0 28.3





#17
2-Methylphenol
Concen: 3.842 ng
RT: 7.134 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

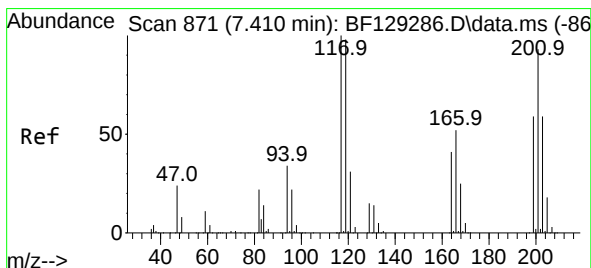
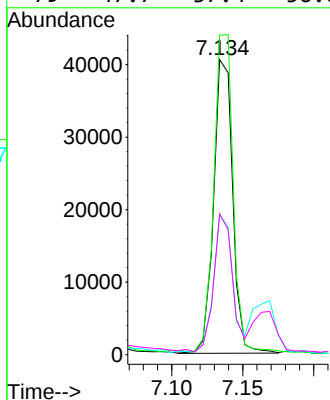
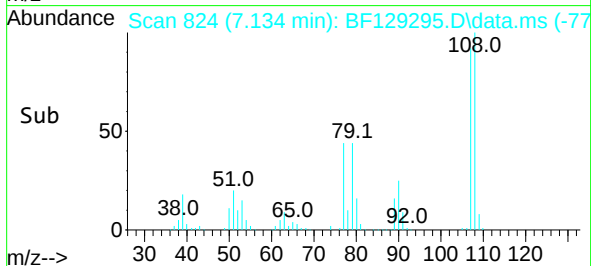
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



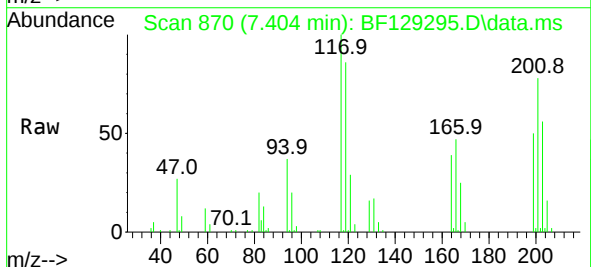
Tgt Ion:107 Resp: 37819
Ion Ratio Lower Upper
107 100
108 108.3 91.9 137.9
77 47.5 37.8 56.8
79 47.7 37.4 56.0

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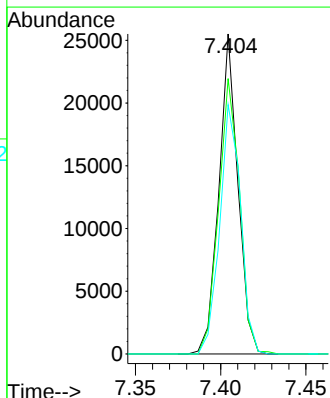
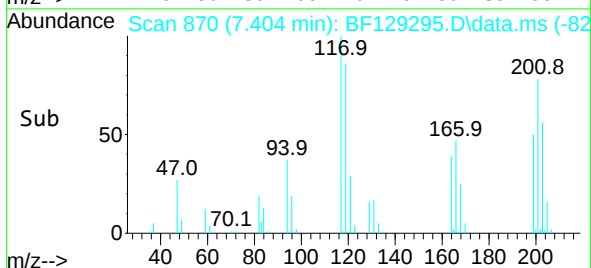
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

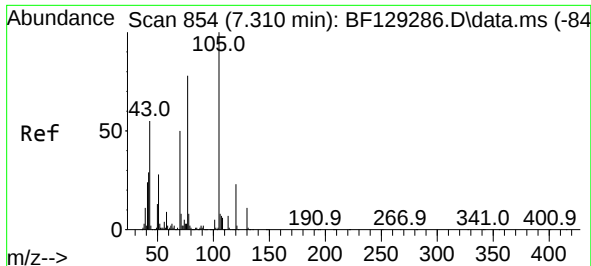


#18
Hexachloroethane
Concen: 4.009 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



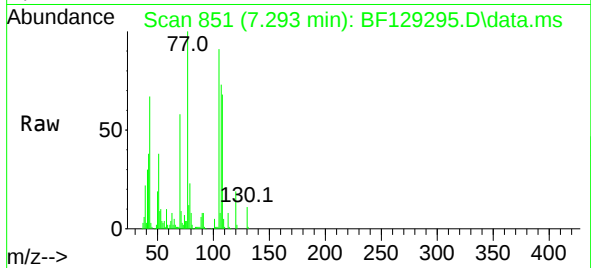
Tgt Ion:117 Resp: 19812
Ion Ratio Lower Upper
117 100
119 86.0 77.4 116.2
201 77.9 84.6 127.0#





#19
n-Nitroso-di-n-propylamine
Concen: 3.989 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.017 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

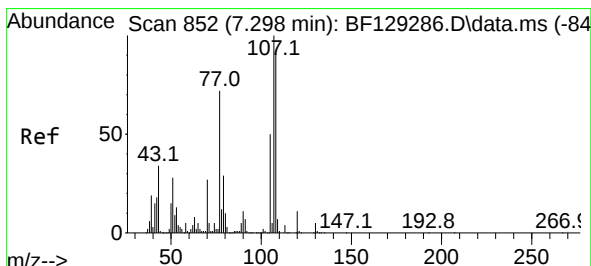
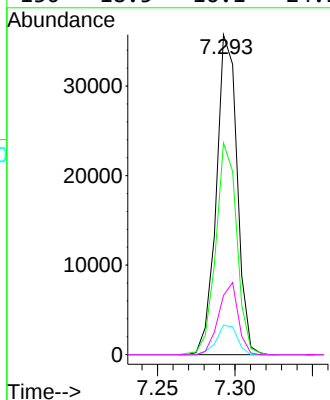
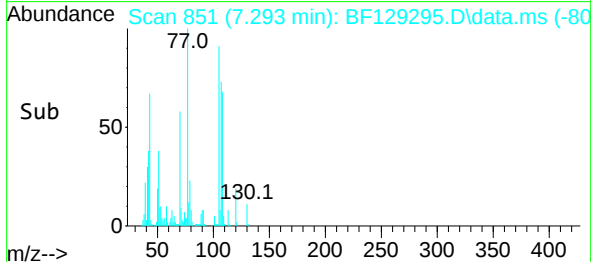
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



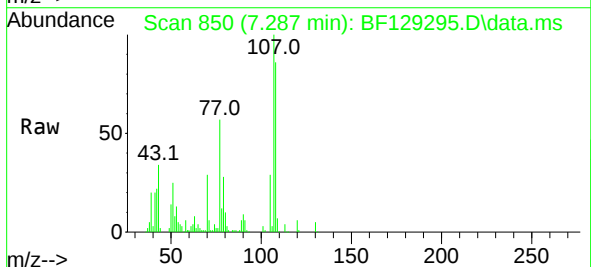
Tgt Ion: 70 Resp: 33370
Ion Ratio Lower Upper
70 100
42 66.2 52.3 78.5
101 9.3 7.5 11.3
130 18.5 16.1 24.1

Manual Integrations
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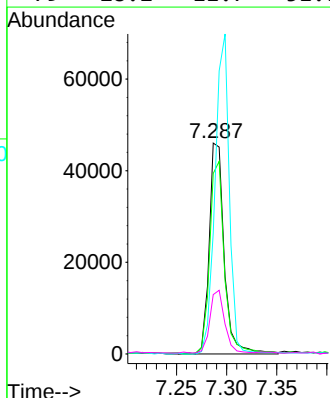
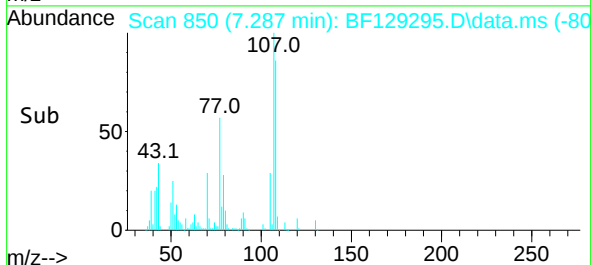
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

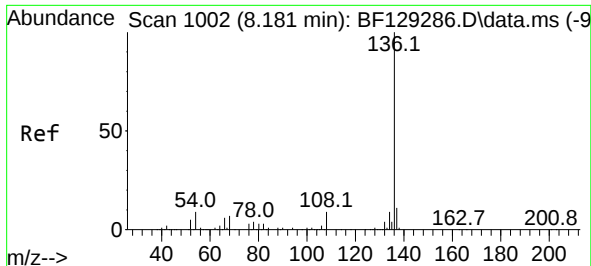


#20
3+4-Methylphenols
Concen: 3.760 ng
RT: 7.287 min Scan# 850
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



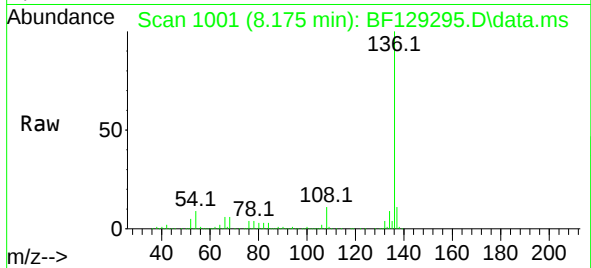
Tgt Ion:107 Resp: 48273
Ion Ratio Lower Upper
107 100
108 85.6 71.8 111.8
77 57.4 59.3 99.3#
79 28.2 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

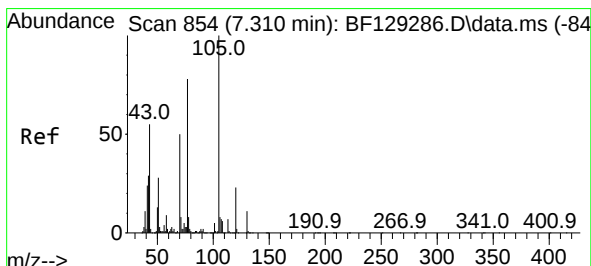
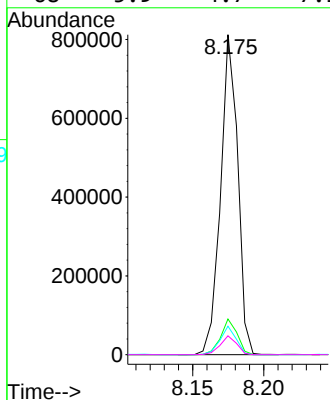
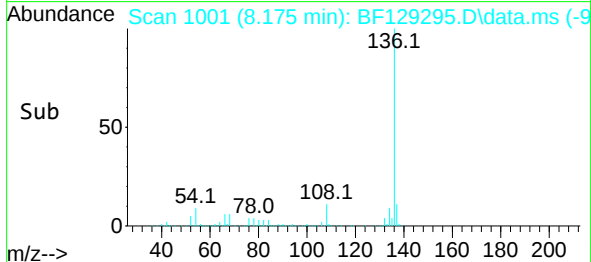
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:136 Resp: 680864
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.9 7.5 11.3
68 5.9 4.7 7.1

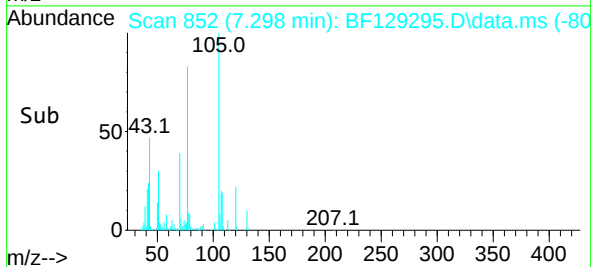
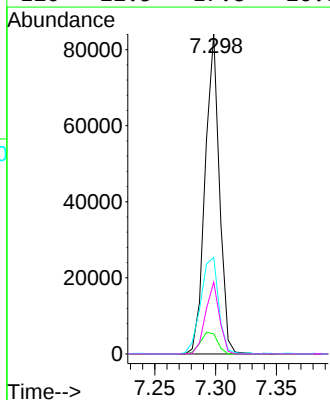
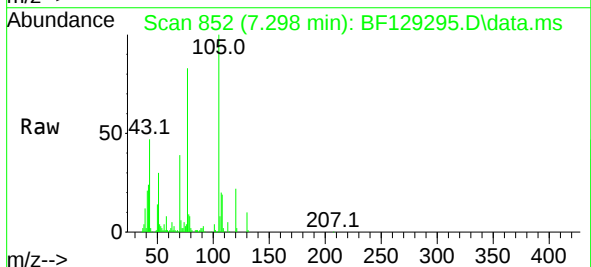
Manual Integrations
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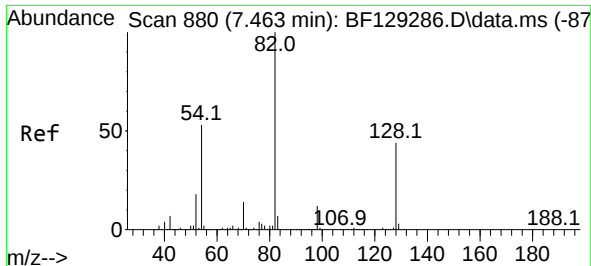
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#22
Acetophenone
Concen: 4.290 ng
RT: 7.298 min Scan# 852
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

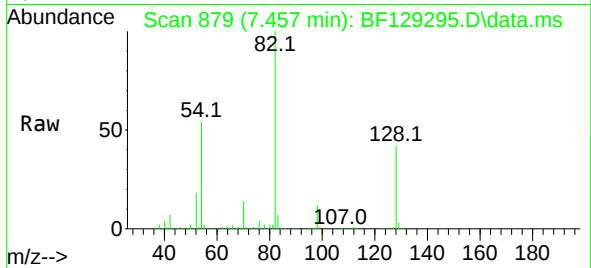
Tgt Ion:105 Resp: 68587
Ion Ratio Lower Upper
105 100
71 6.3 5.0 7.4
51 30.2 25.0 37.4
120 22.5 17.8 26.8





#23
Nitrobenzene-d5
Concen: 89.093 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

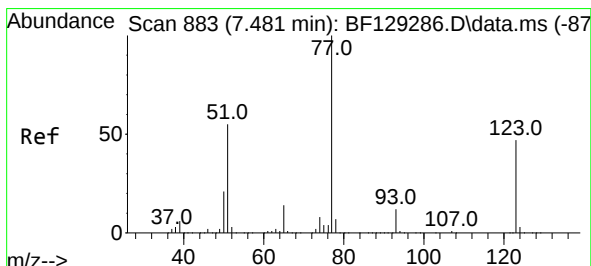
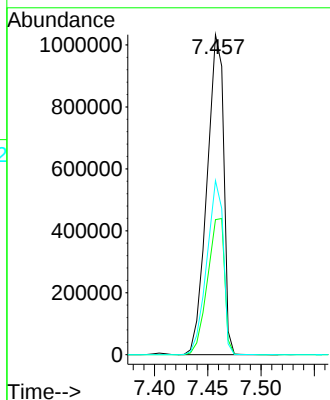
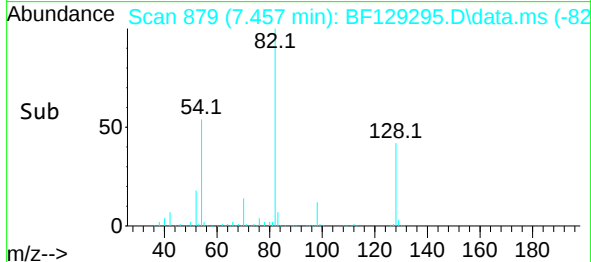
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



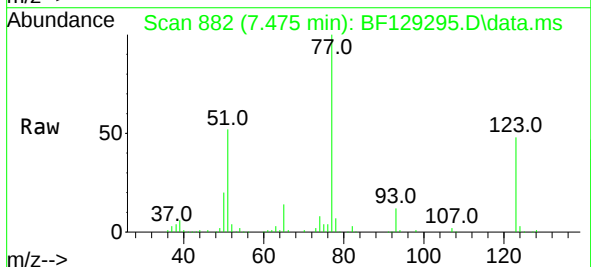
Tgt Ion: 82 Resp: 1127520
Ion Ratio Lower Upper
82 100
128 42.2 34.0 51.0
54 54.4 46.9 70.3

Manual Integrations
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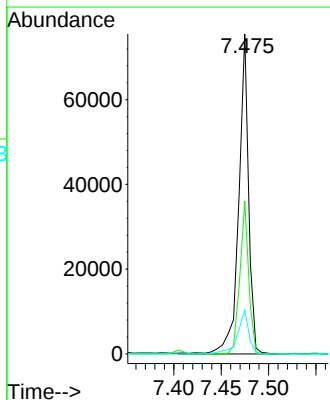
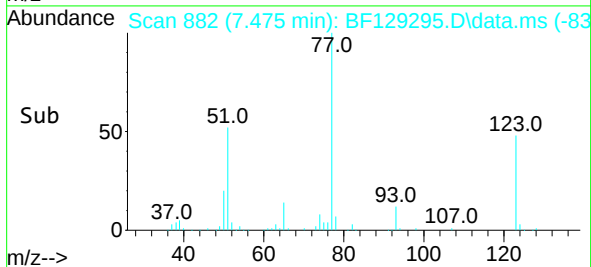
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

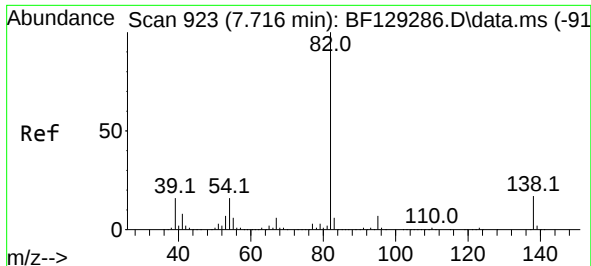


#24
Nitrobenzene
Concen: 4.176 ng
RT: 7.475 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



Tgt Ion: 77 Resp: 54432
Ion Ratio Lower Upper
77 100
123 47.8 35.4 53.2
65 13.7 11.8 17.8





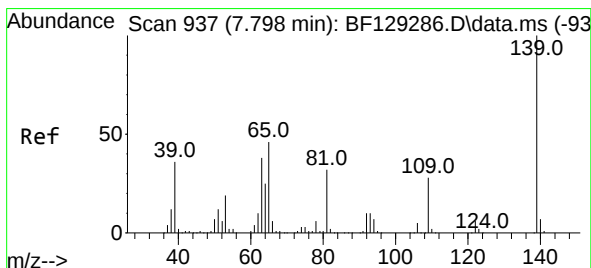
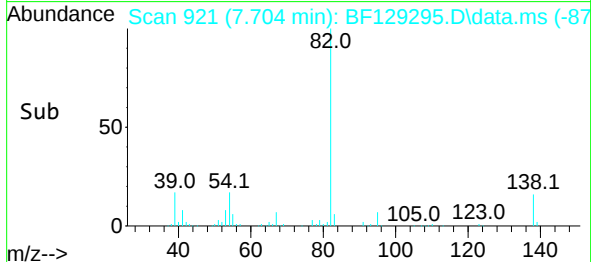
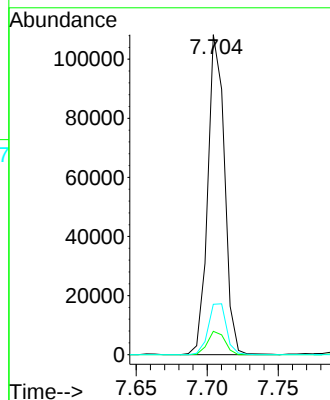
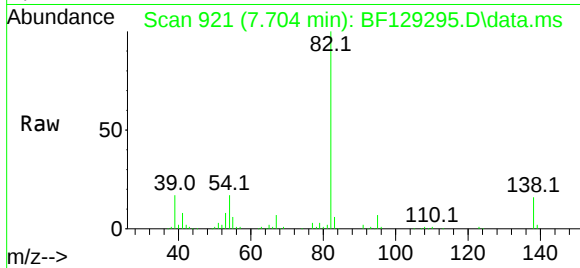
#25
Isophorone
Concen: 3.993 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 82 Resp: 88724
Ion Ratio Lower Upper
82 100
95 7.3 5.7 8.5
138 15.7 14.2 21.2

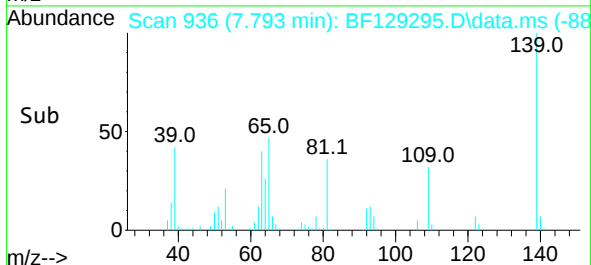
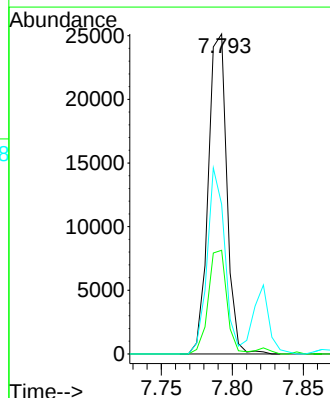
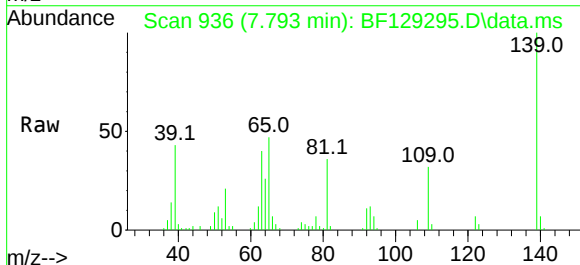
Manual Integrations
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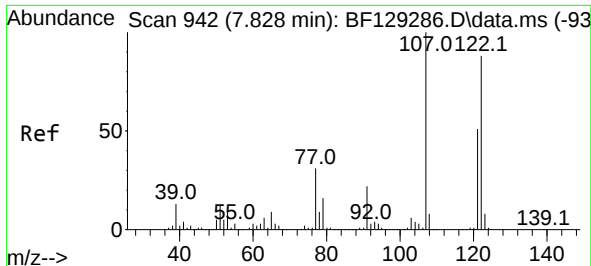
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#26
2-Nitrophenol
Concen: 3.636 ng
RT: 7.793 min Scan# 936
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Tgt Ion:139 Resp: 22870
Ion Ratio Lower Upper
139 100
109 32.4 25.0 37.4
65 46.7 45.1 67.7





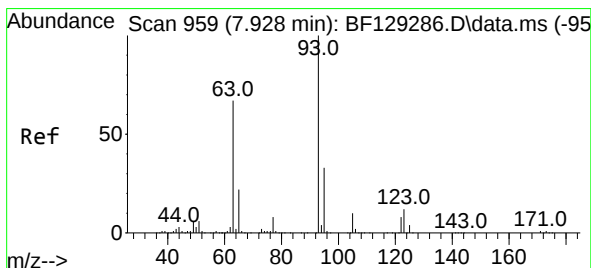
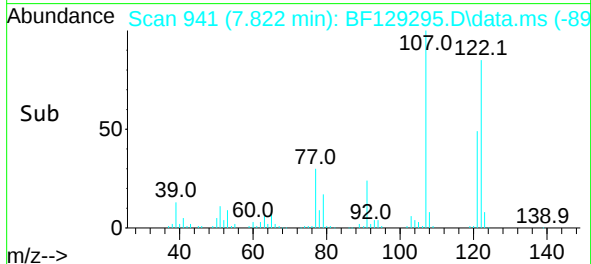
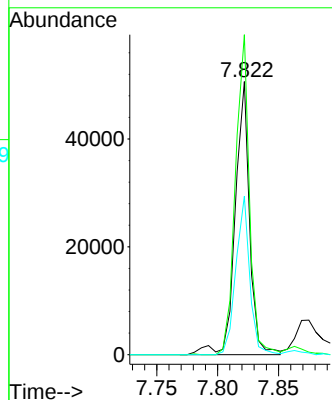
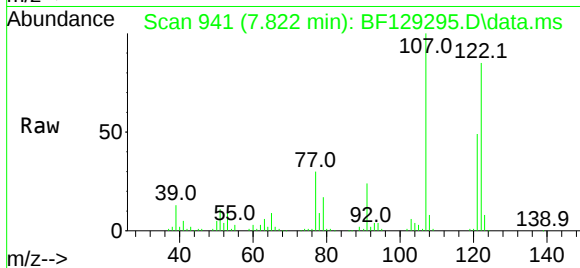
#27
2,4-Dimethylphenol
Concen: 4.384 ng
RT: 7.822 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:122 Resp: 4148
Ion Ratio Lower Upper
122 100
107 117.2 93.0 139.6
121 58.0 46.6 70.0

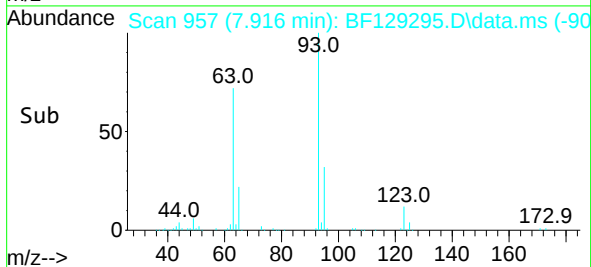
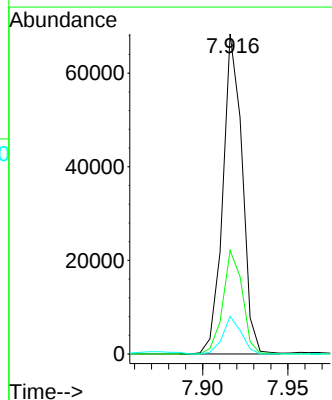
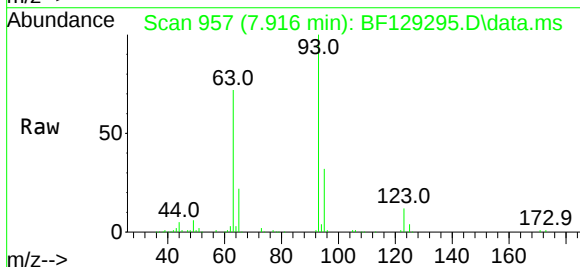
Manual Integrations
APPROVED

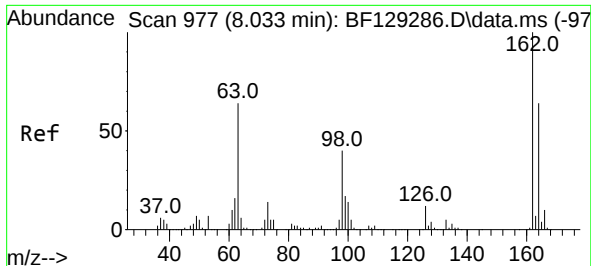
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#28
bis(2-Chloroethoxy)methane
Concen: 4.195 ng
RT: 7.916 min Scan# 957
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Tgt Ion: 93 Resp: 53995
Ion Ratio Lower Upper
93 100
95 32.4 26.8 40.2
123 11.8 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 3.702 ng

RT: 8.028 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

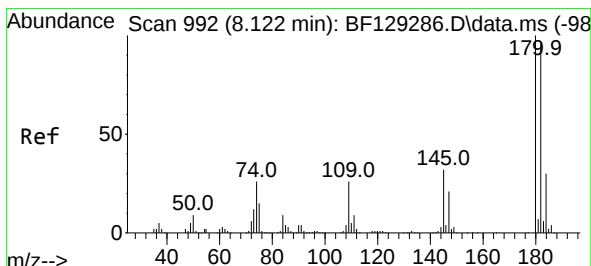
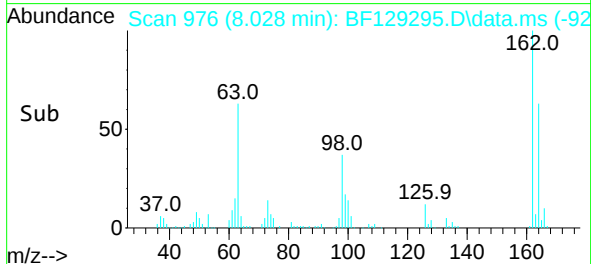
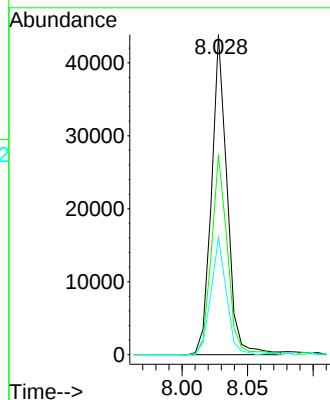
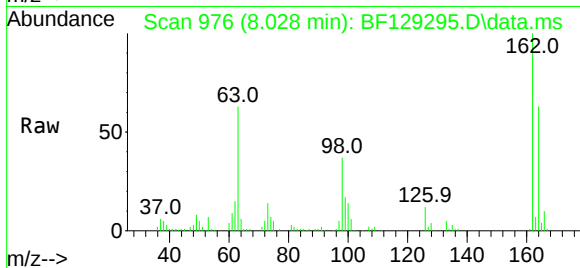
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:162	Resp:	36438
Ion Ratio	Lower	Upper
162	100	
164	62.5	44.2 84.2
98	36.7	19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#30

1,2,4-Trichlorobenzene

Concen: 3.960 ng

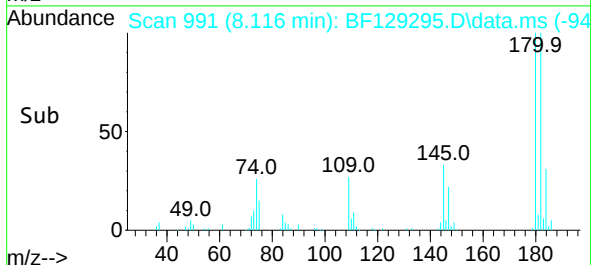
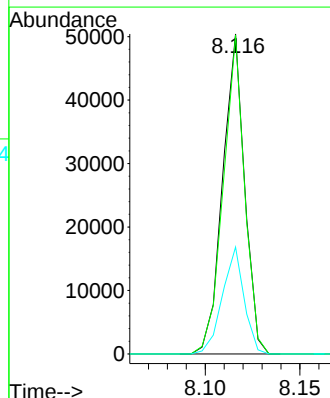
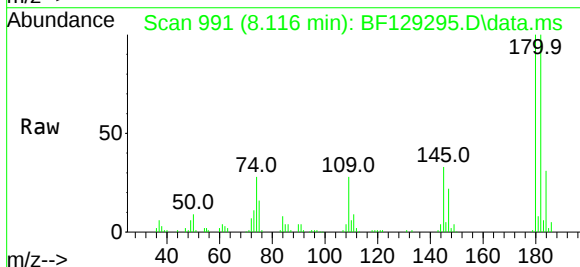
RT: 8.116 min Scan# 991

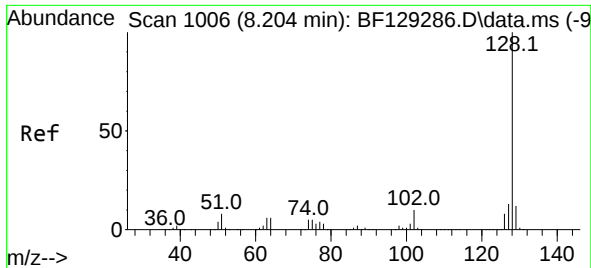
Delta R.T. -0.006 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

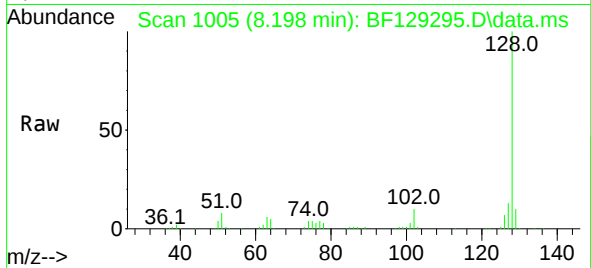
Tgt Ion:180	Resp:	40503
Ion Ratio	Lower	Upper
180	100	
182	99.7	79.2 118.8
145	33.4	26.2 39.2





#31
Naphthalene
Concen: 4.013 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

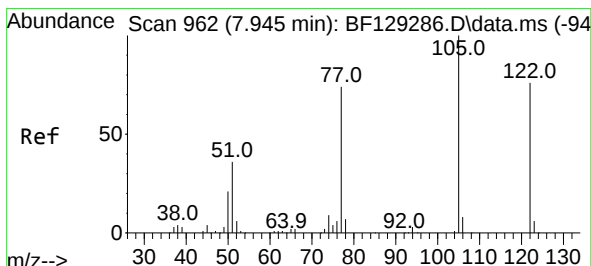
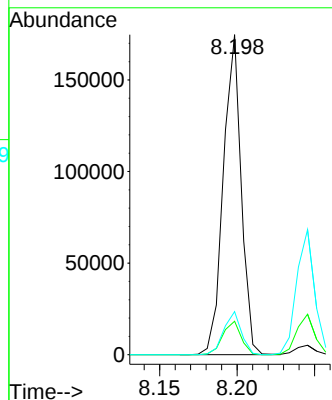
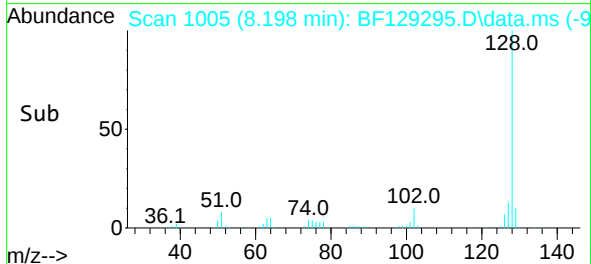
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:128 Resp: 140118
Ion Ratio Lower Upper
128 100
129 10.4 9.2 13.8
127 13.5 10.5 15.7

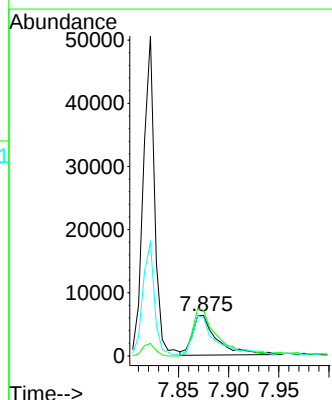
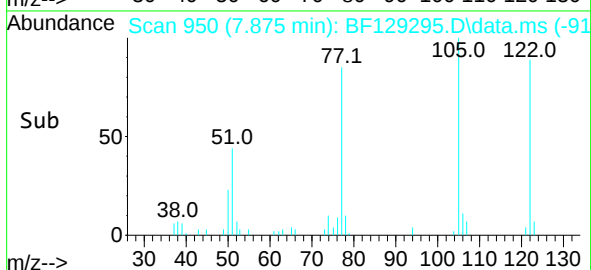
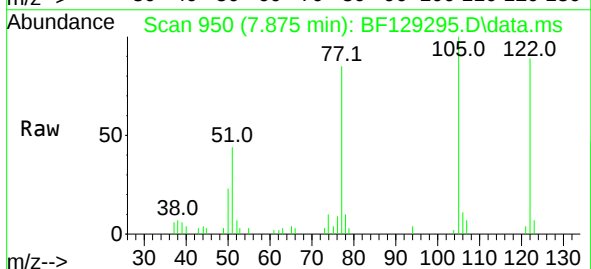
Manual Integrations
APPROVED

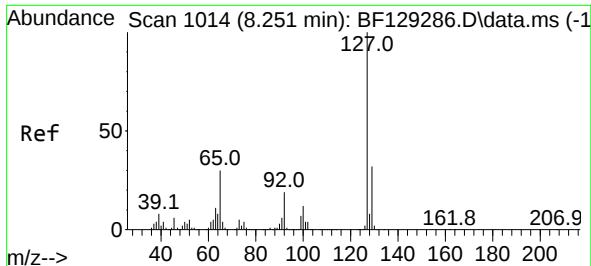
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#32
Benzoic acid
Concen: 1.532 ng
RT: 7.875 min Scan# 950
Delta R.T. -0.070 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Tgt Ion:122 Resp: 10592
Ion Ratio Lower Upper
122 100
105 112.3 107.1 147.1
77 95.2 74.2 114.2





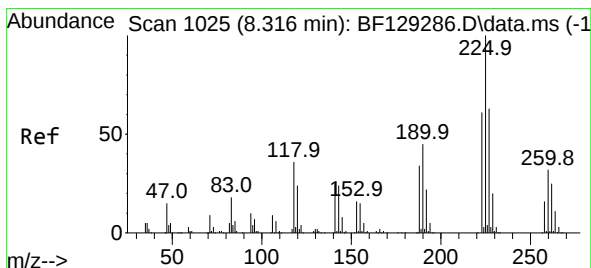
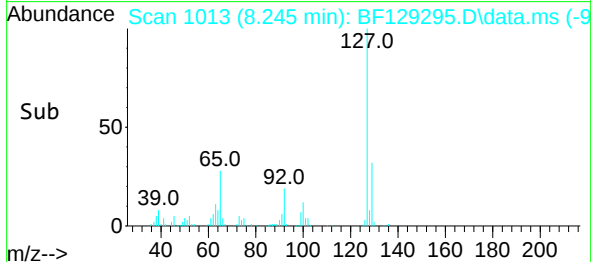
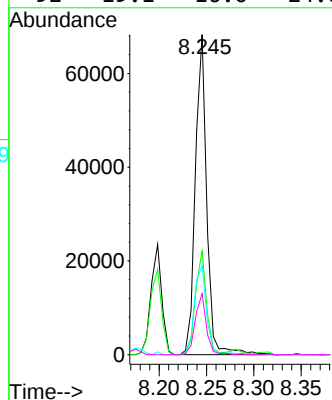
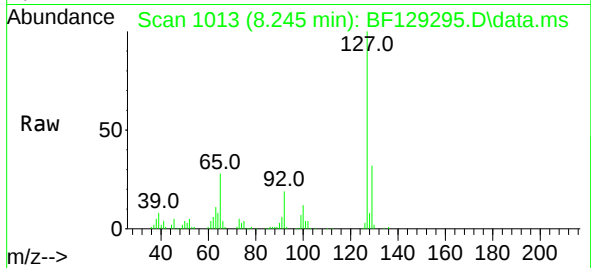
#33
4-Chloroaniline
Concen: 4.036 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:127	Resp: 5748
Ion Ratio	Lower Upper
127 100	
129 32.4	26.4 39.6
65 27.8	26.4 39.6
92 19.1	16.0 24.0

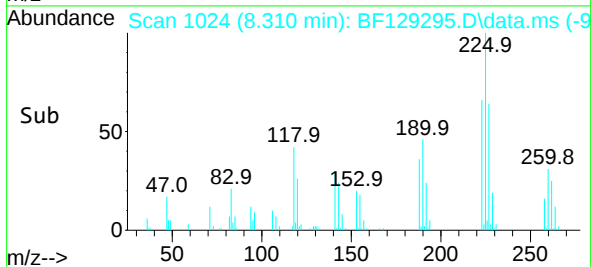
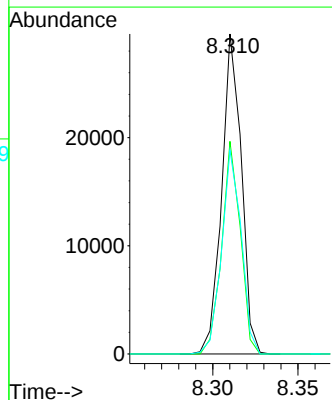
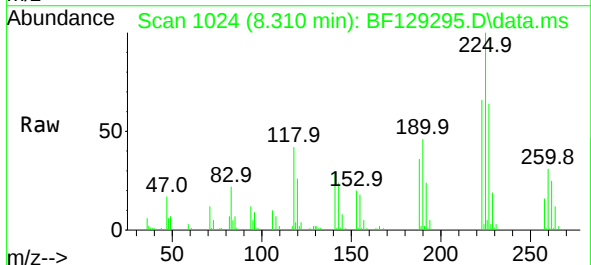
Manual Integrations
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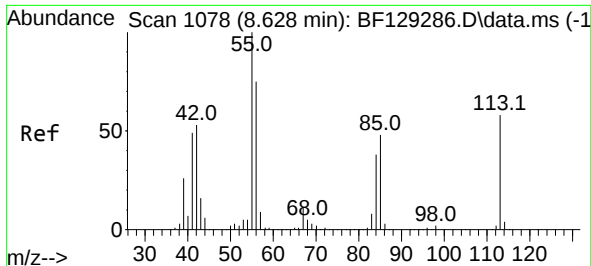
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#34
Hexachlorobutadiene
Concen: 4.051 ng
RT: 8.310 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

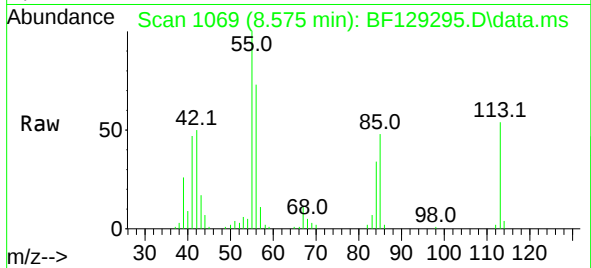
Tgt Ion:225	Resp: 23681
Ion Ratio	Lower Upper
225 100	
223 66.4	51.0 76.6
227 63.7	51.1 76.7





#35
Caprolactam
Concen: 3.400 ng
RT: 8.575 min Scan# 1069
Delta R.T. -0.053 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

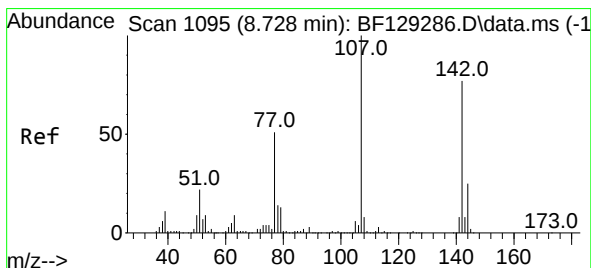
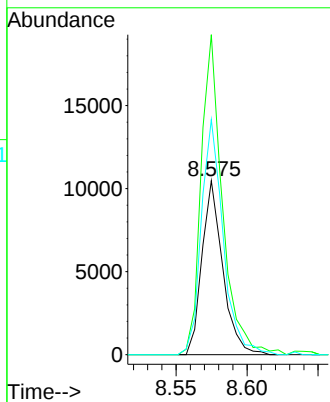
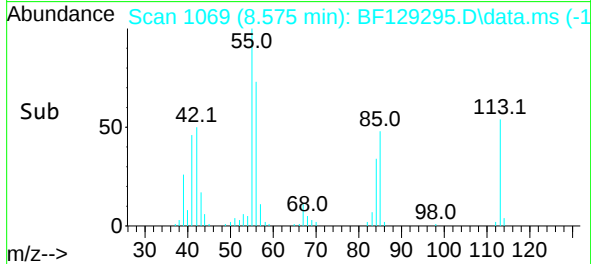
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:113 Resp: 1067
Ion Ratio Lower Upper
113 100
55 184.0 188.5 228.5
56 135.2 130.6 170.6

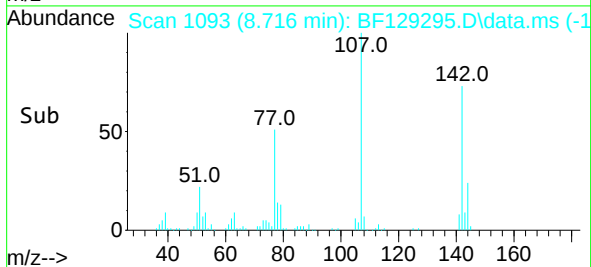
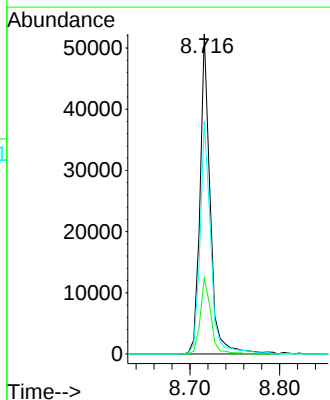
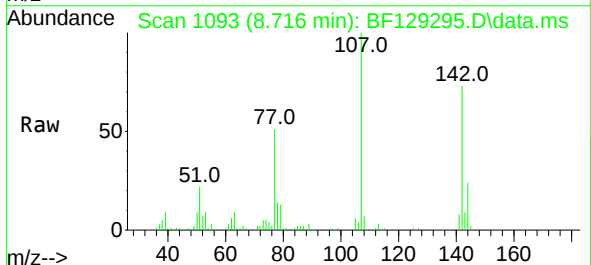
Manual Integrations
APPROVED

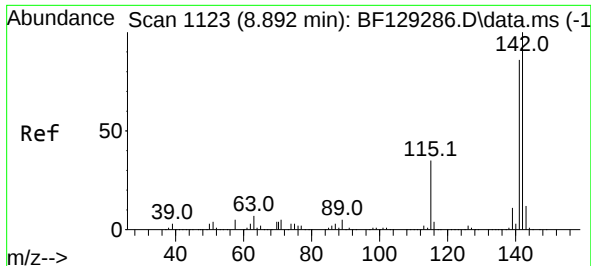
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#36
4-Chloro-3-methylphenol
Concen: 3.951 ng
RT: 8.716 min Scan# 1093
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Tgt Ion:107 Resp: 41311
Ion Ratio Lower Upper
107 100
144 23.7 19.5 29.3
142 72.7 58.2 87.4





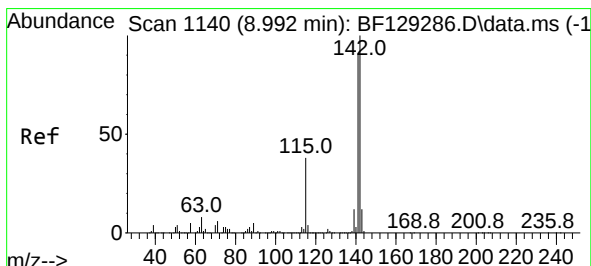
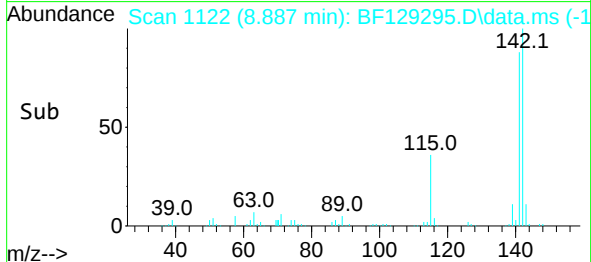
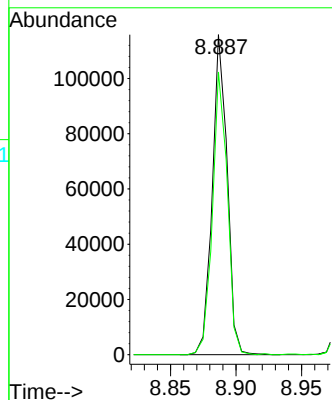
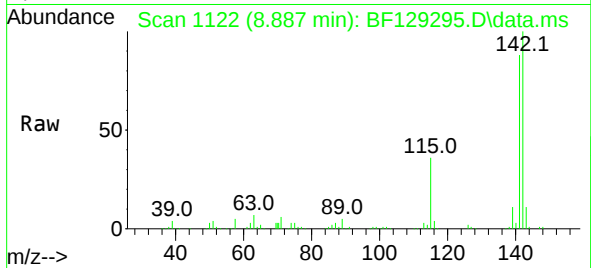
#37
2-Methylnaphthalene
Concen: 4.046 ng
RT: 8.887 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:142 Resp: 9156
Ion Ratio Lower Upper
142 100
141 88.4 71.0 106.4

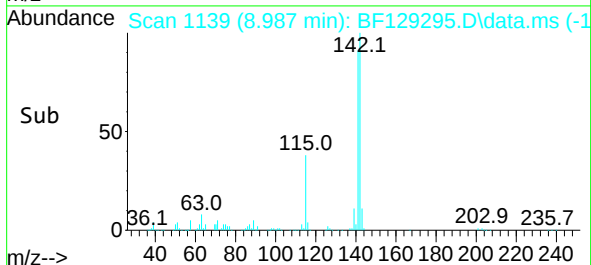
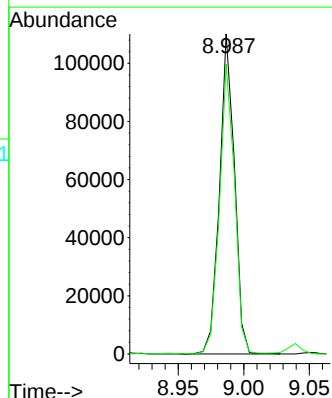
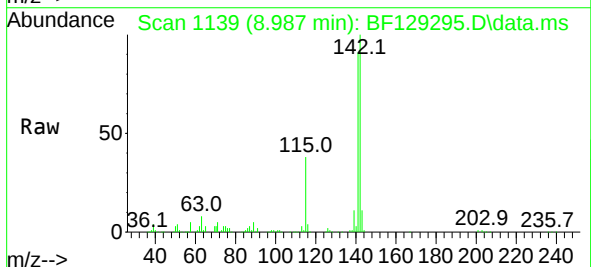
Manual Integrations
APPROVED

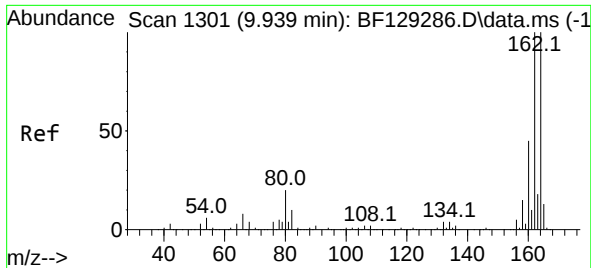
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#38
1-Methylnaphthalene
Concen: 3.978 ng
RT: 8.987 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

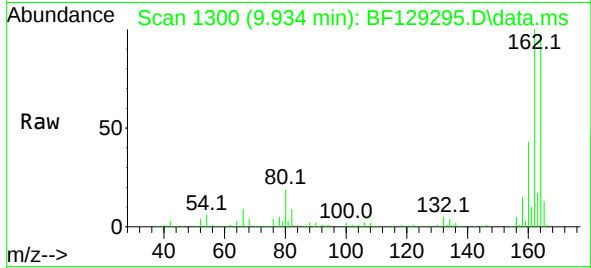
Tgt Ion:142 Resp: 87095
Ion Ratio Lower Upper
142 100
141 90.7 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

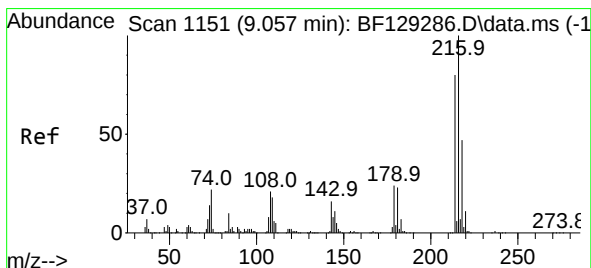
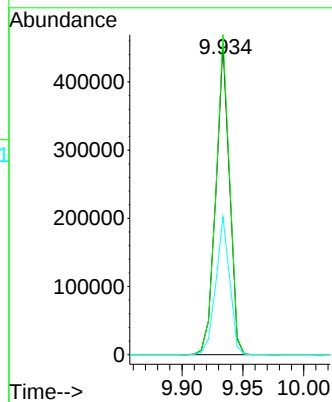
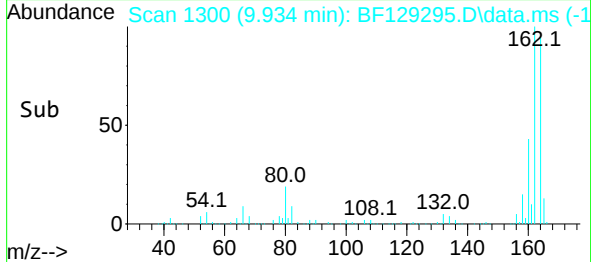
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



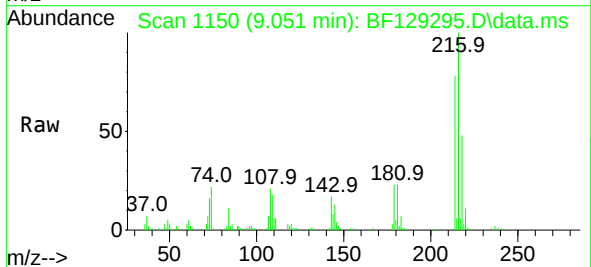
Tgt Ion:164 Resp: 355988
Ion Ratio Lower Upper
164 100
162 102.8 79.5 119.3
160 44.3 34.2 51.4

Manual Integrations
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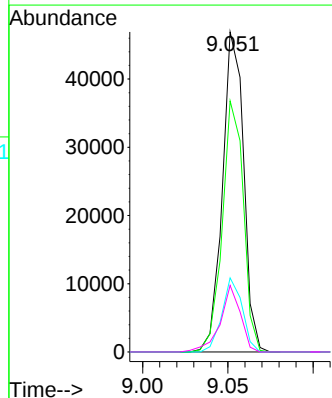
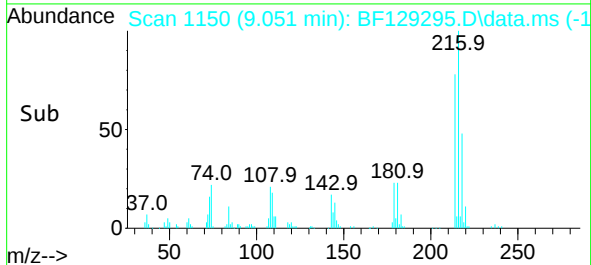
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

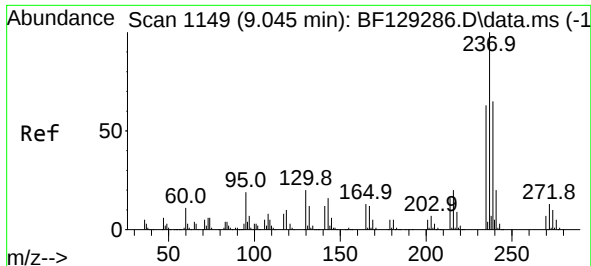


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.339 ng
RT: 9.051 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



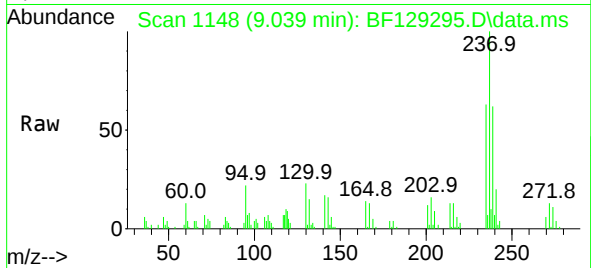
Tgt Ion:216 Resp: 40555
Ion Ratio Lower Upper
216 100
214 78.1 63.6 95.4
179 22.1 17.0 25.6
108 19.8 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 3.562 ng
RT: 9.039 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

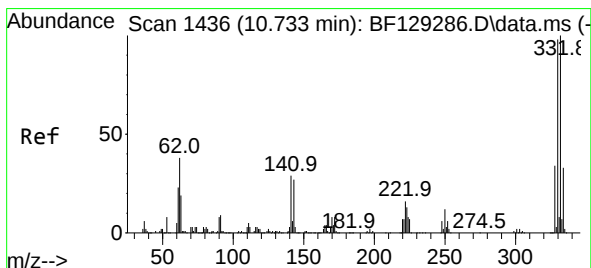
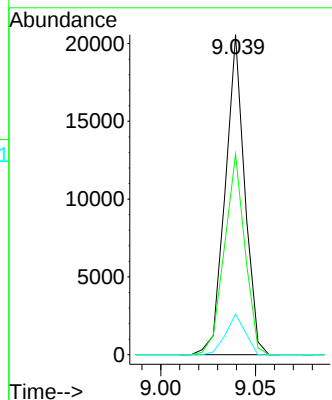
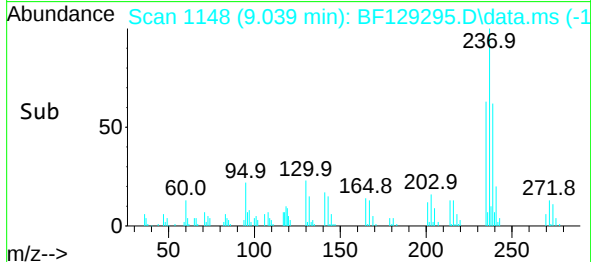
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



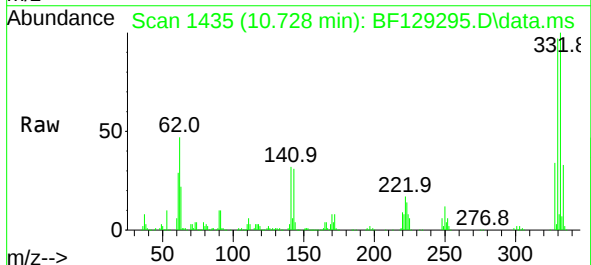
Tgt Ion:237 Resp: 1467
Ion Ratio Lower Upper
237 100
235 62.7 43.2 83.2
272 12.7 0.0 31.9

Manual Integrations
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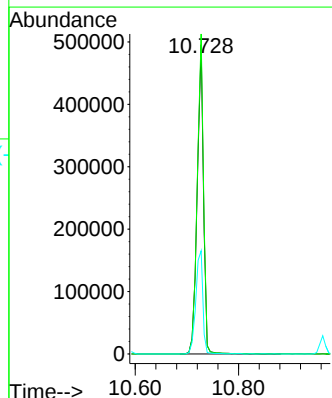
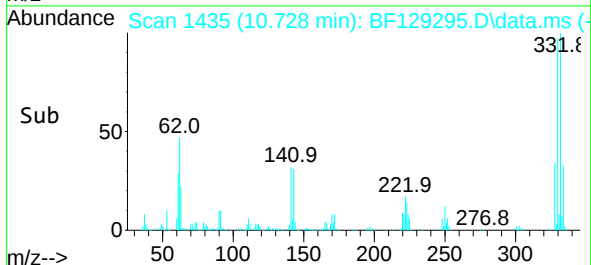
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

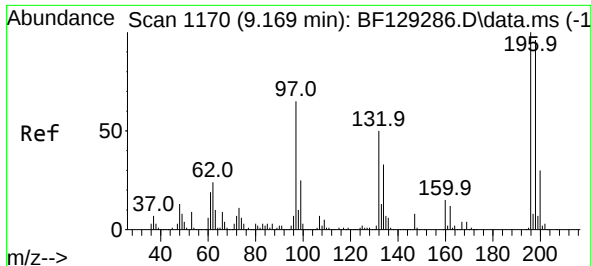


#42
2,4,6-Tribromophenol
Concen: 122.942 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



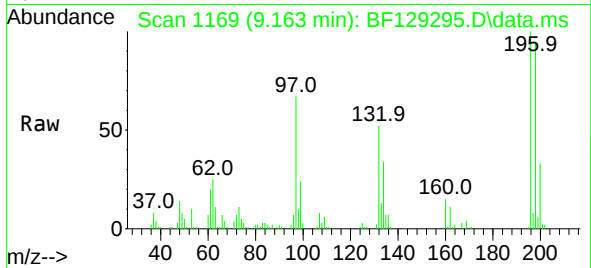
Tgt Ion:330 Resp: 422249
Ion Ratio Lower Upper
330 100
332 103.0 76.8 115.2
141 37.0 28.0 42.0





#43
2,4,6-Trichlorophenol
Concen: 3.752 ng
RT: 9.163 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

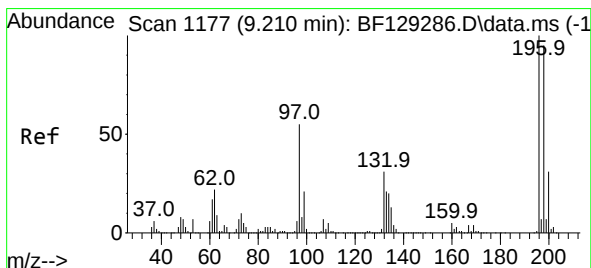
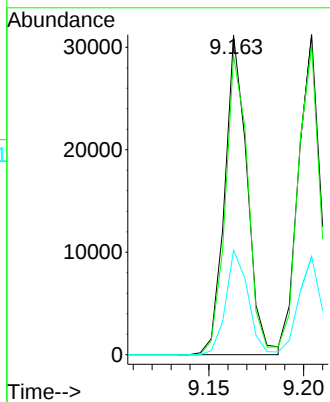
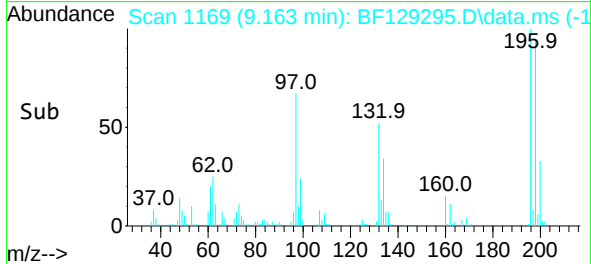
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



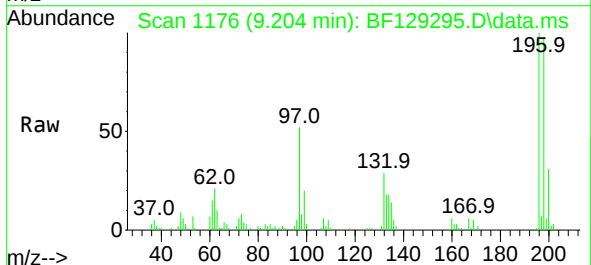
Tgt Ion:196 Resp: 25624
Ion Ratio Lower Upper
196 100
198 93.6 74.0 111.0
200 32.7 24.1 36.1

Manual Integrations
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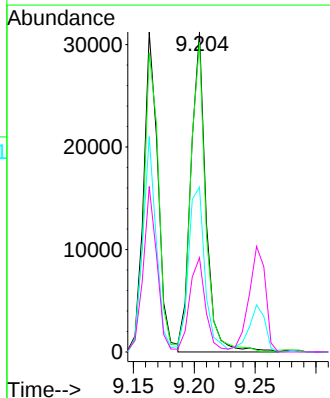
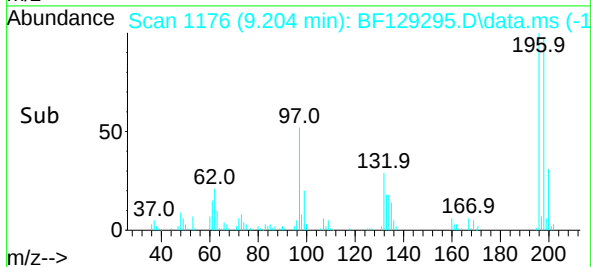
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

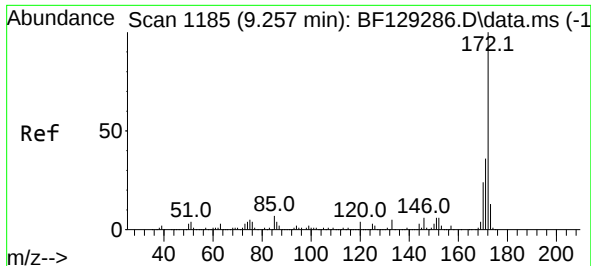


#44
2,4,5-Trichlorophenol
Concen: 3.611 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



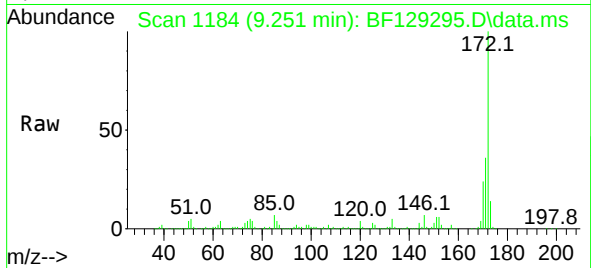
Tgt Ion:196 Resp: 26751
Ion Ratio Lower Upper
196 100
198 96.7 75.7 113.5
97 51.5 36.4 54.6
132 29.5 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 82.692 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

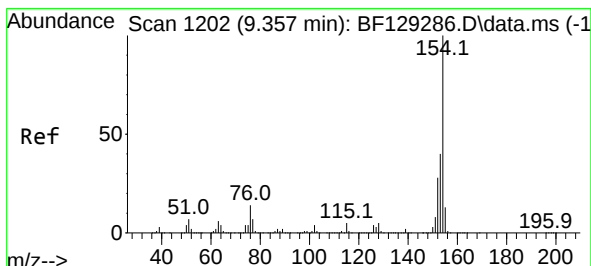
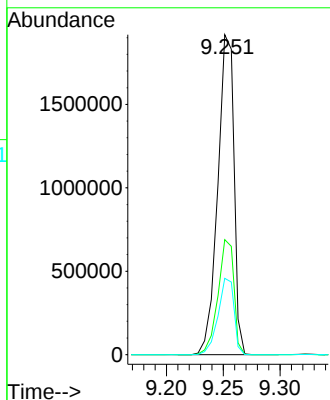
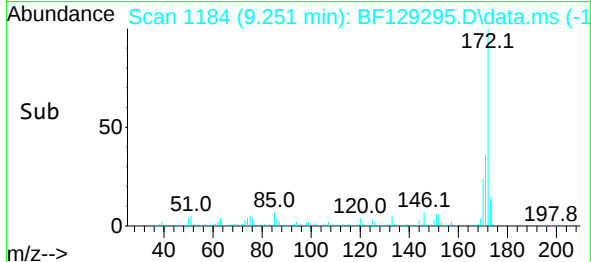
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:172 Resp: 191356
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.9 19.8 29.8

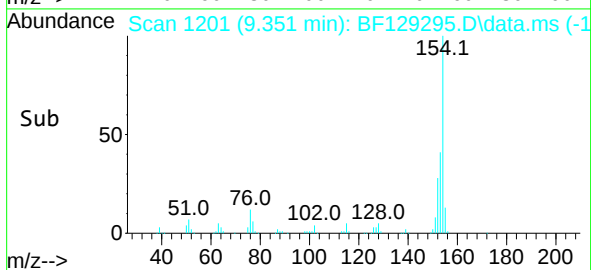
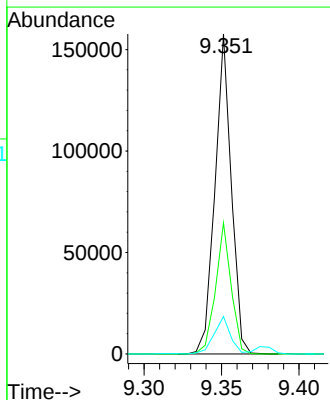
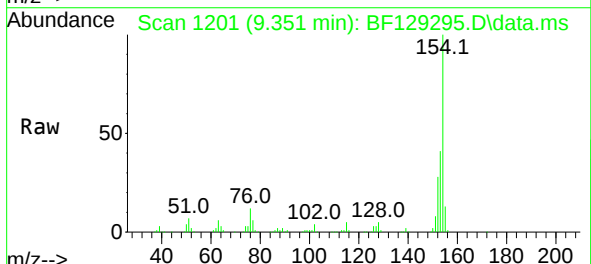
Manual Integrations
APPROVED

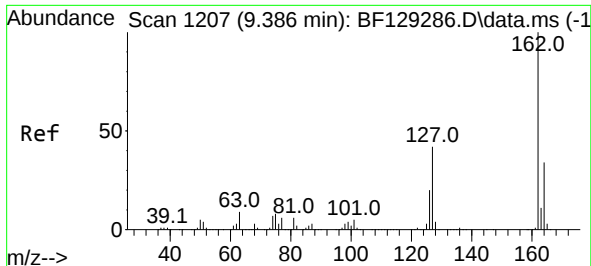
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#46
1,1'-Biphenyl
Concen: 4.392 ng
RT: 9.351 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

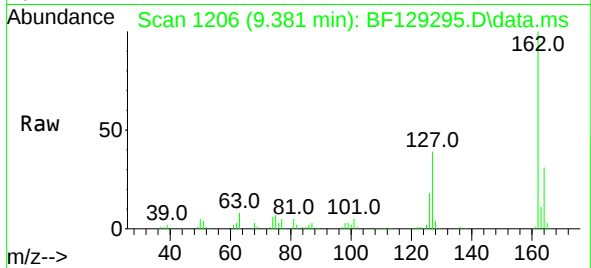
Tgt Ion:154 Resp: 115526
Ion Ratio Lower Upper
154 100
153 41.0 20.6 60.6
76 11.7 0.0 33.3





#47
2-Chloronaphthalene
Concen: 4.059 ng
RT: 9.381 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

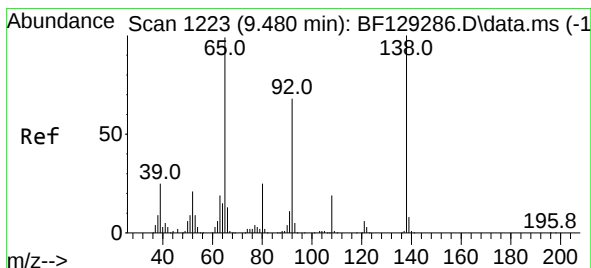
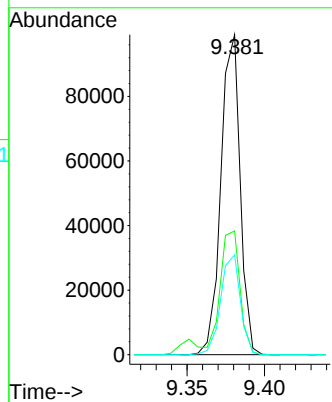
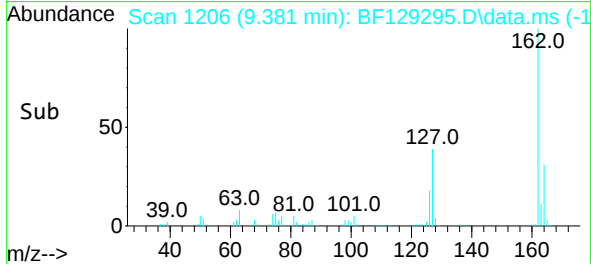
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:162 Resp: 8553
Ion Ratio Lower Upper
162 100
127 38.6 34.5 51.7
164 31.1 26.5 39.7

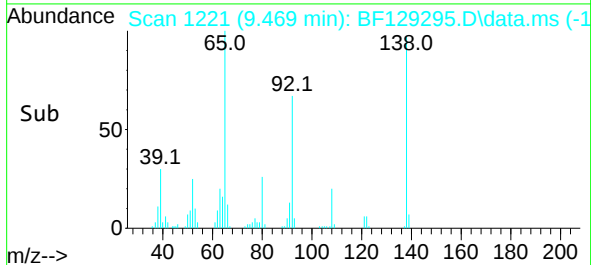
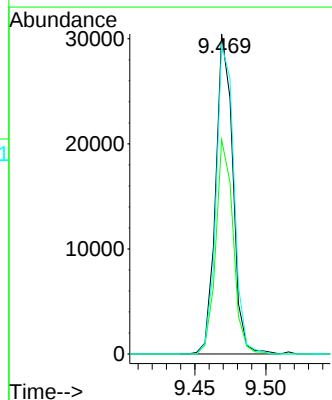
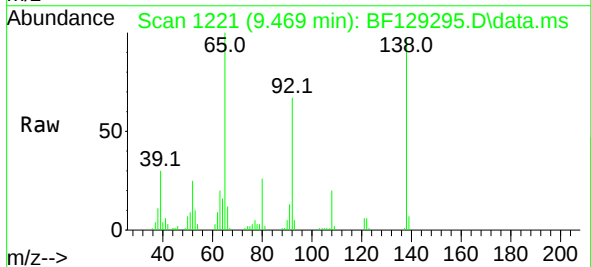
Manual Integrations
APPROVED

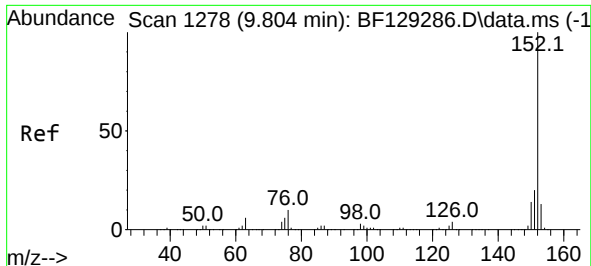
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#48
2-Nitroaniline
Concen: 3.616 ng
RT: 9.469 min Scan# 1221
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Tgt Ion: 65 Resp: 25587
Ion Ratio Lower Upper
65 100
92 67.0 51.9 77.9
138 96.7 76.4 114.6





#49

Acenaphthylene

Concen: 4.286 ng

RT: 9.792 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129295.D

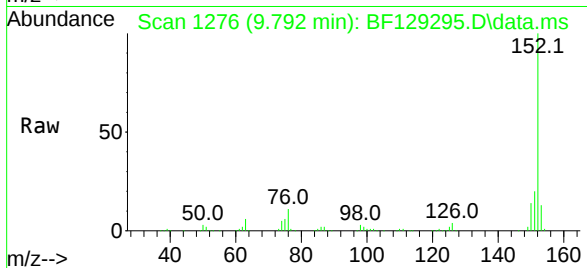
Acq: 21 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:152 Resp: 138690

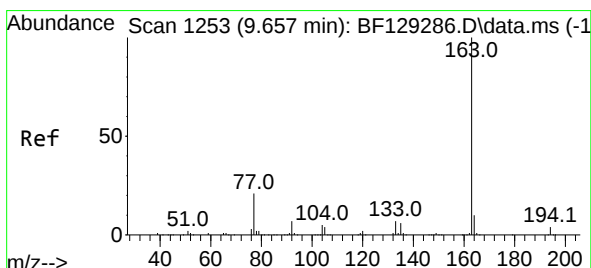
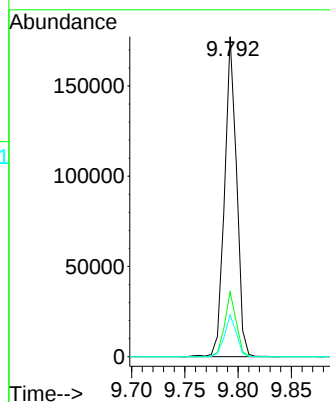
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	13.0	10.7	16.1

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#50

Dimethylphthalate

Concen: 3.962 ng

RT: 9.645 min Scan# 1251

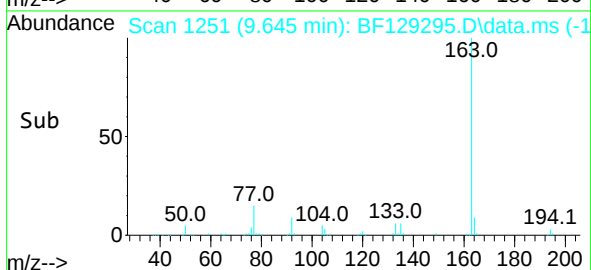
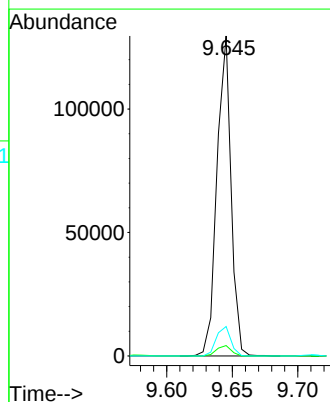
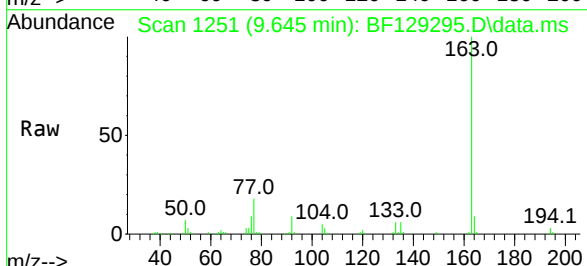
Delta R.T. -0.012 min

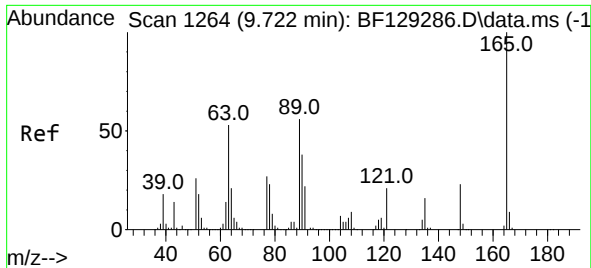
Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

Tgt Ion:163 Resp: 96912

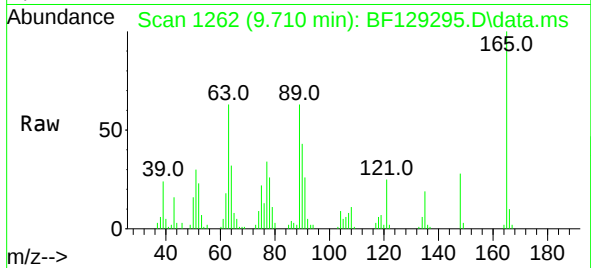
Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.2	4.8
164	9.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 3.627 ng
RT: 9.710 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

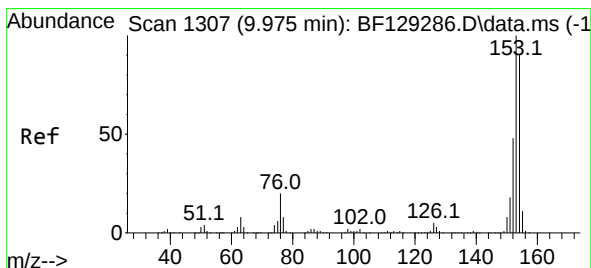
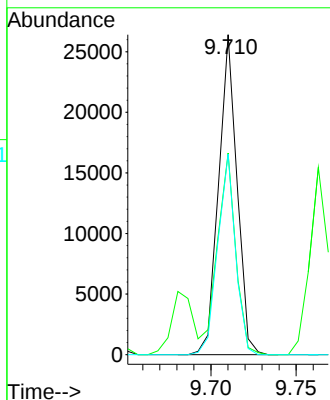
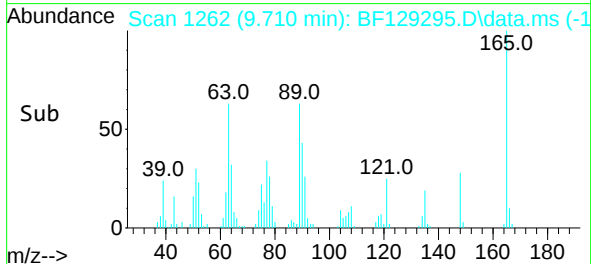
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



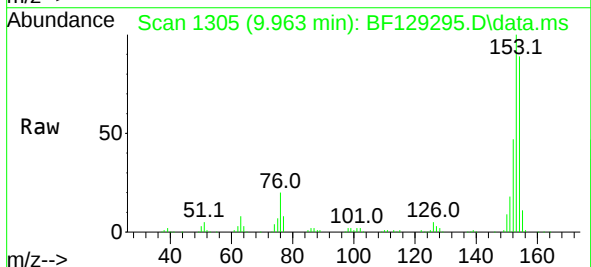
Tgt Ion:165 Resp: 1986
Ion Ratio Lower Upper
165 100
63 63.0 44.9 67.3
89 62.7 43.6 65.4

Manual Integrations
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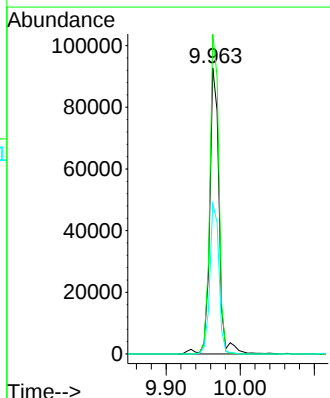
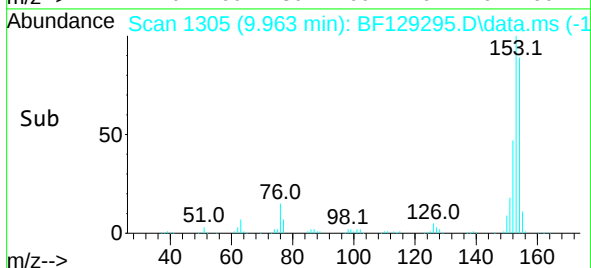
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

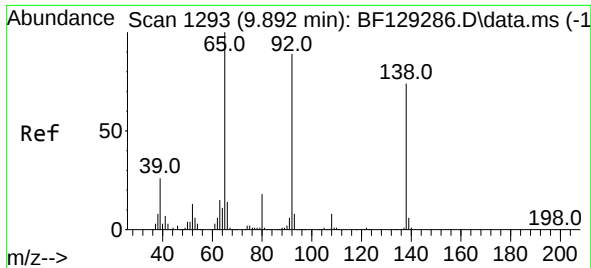


#52
Acenaphthene
Concen: 3.875 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



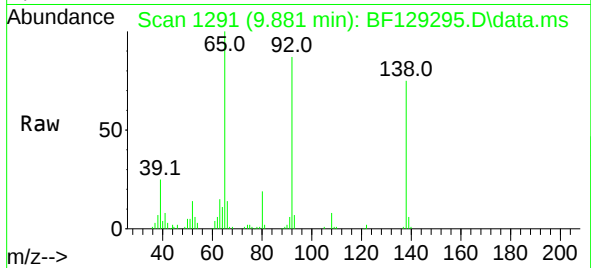
Tgt Ion:154 Resp: 81375
Ion Ratio Lower Upper
154 100
153 111.9 89.6 134.4
152 52.6 42.4 63.6





#53
3-Nitroaniline
Concen: 3.449 ng
RT: 9.881 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

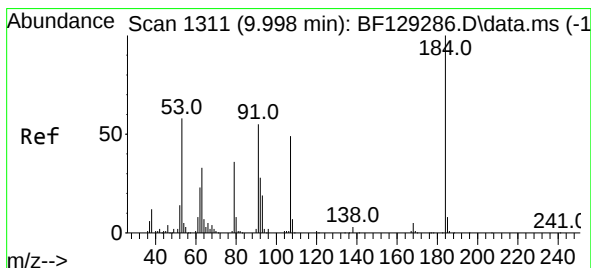
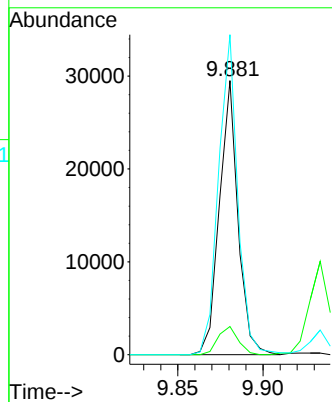
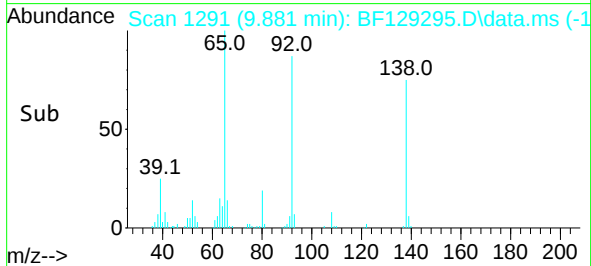
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:138 Resp: 2247
Ion Ratio Lower Upper
138 100
108 10.3 10.9 16.3
92 116.7 98.2 147.2

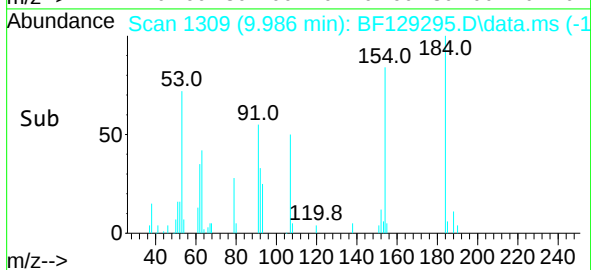
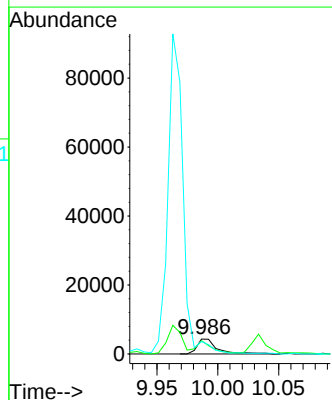
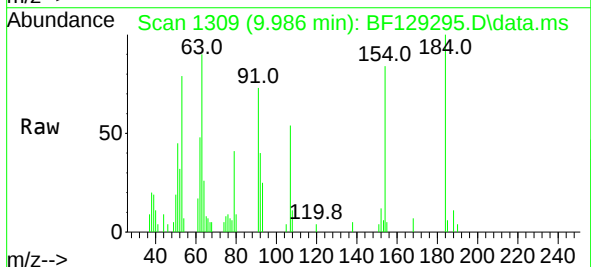
Manual Integrations
APPROVED

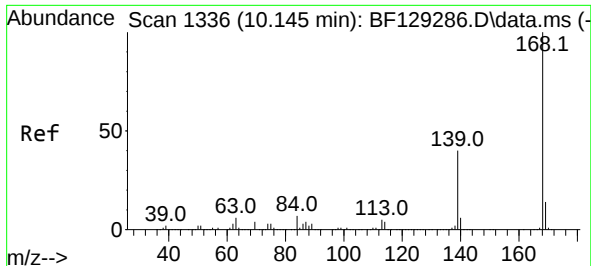
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#54
2,4-Dinitrophenol
Concen: 1.792 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

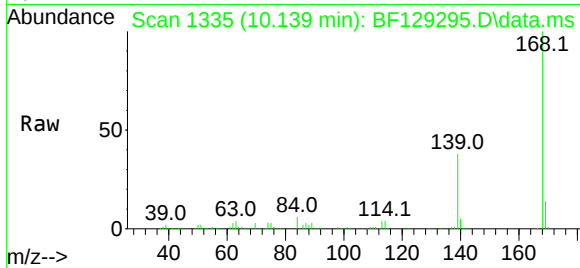
Tgt Ion:184 Resp: 4966
Ion Ratio Lower Upper
184 100
63 90.0 64.5 96.7
154 84.4 50.6 75.8





#55
Dibenzenofuran
Concen: 4.115 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

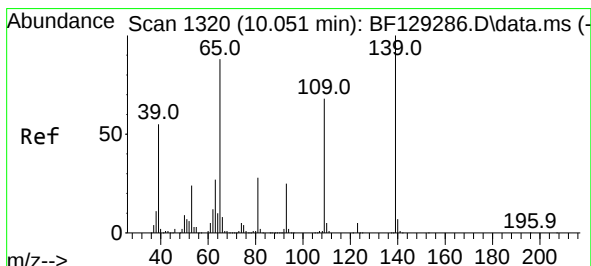
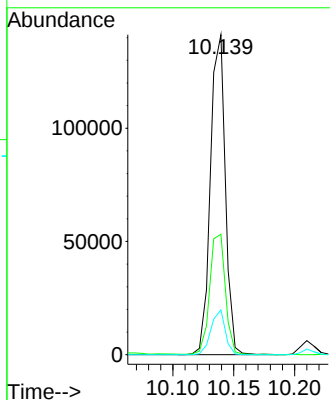
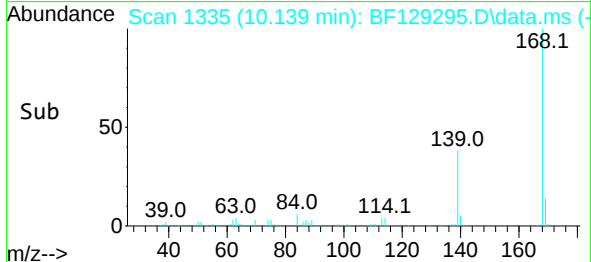
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:168 Resp: 12008
Ion Ratio Lower Upper
168 100
139 37.6 30.6 46.0
169 14.0 11.0 16.6

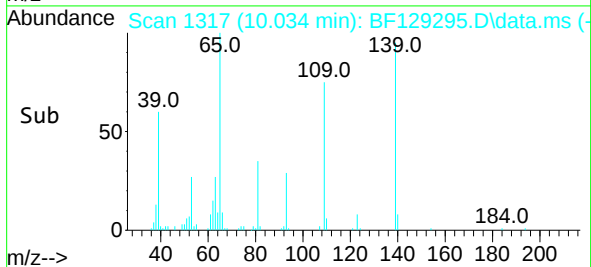
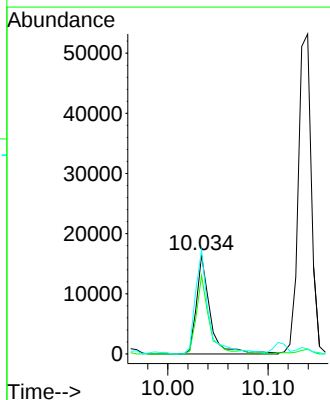
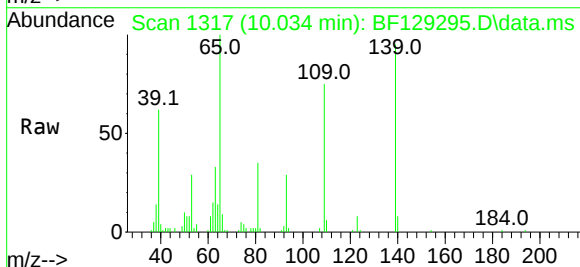
Manual Integrations
APPROVED

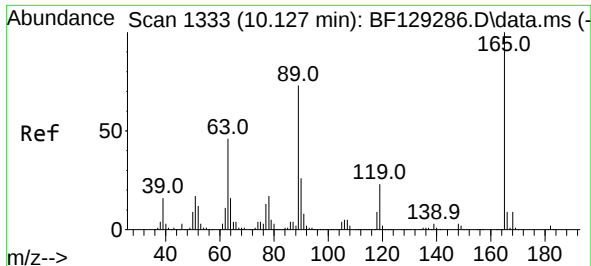
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#56
4-Nitrophenol
Concen: 3.256 ng
RT: 10.034 min Scan# 1317
Delta R.T. -0.017 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

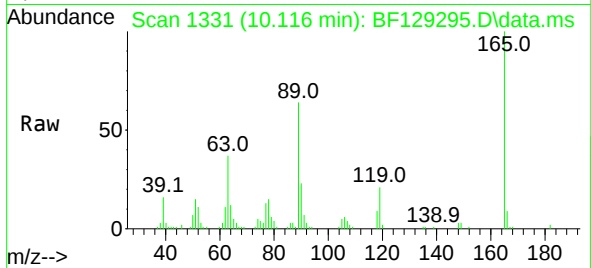
Tgt Ion:139 Resp: 15493
Ion Ratio Lower Upper
139 100
109 79.5 50.7 90.7
65 105.3 74.5 114.5





#57
2,4-Dinitrotoluene
Concen: 3.700 ng
RT: 10.116 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

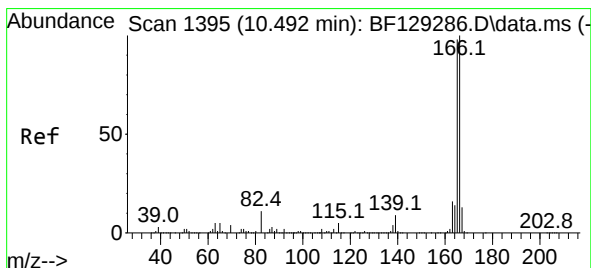
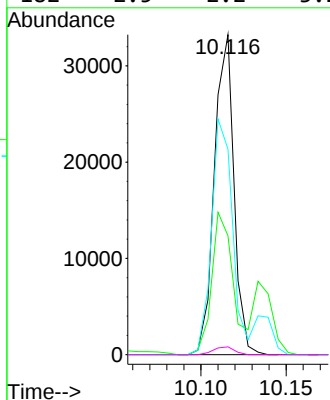
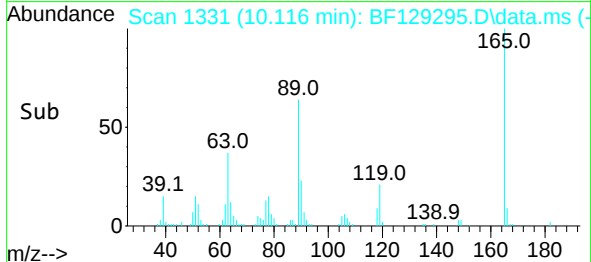
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:165 Resp: 26560
Ion Ratio Lower Upper
165 100
63 37.2 39.8 59.6
89 64.2 60.2 90.2
182 2.5 2.2 3.2

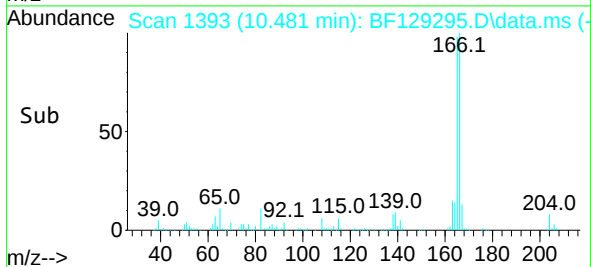
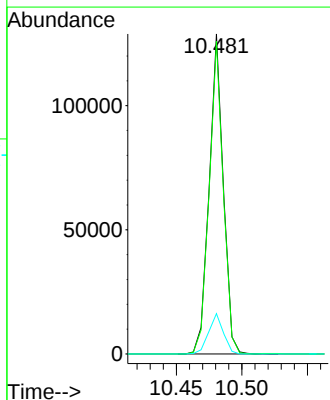
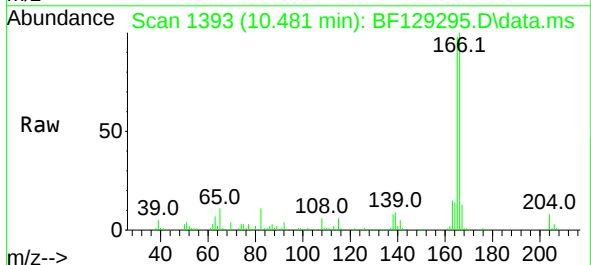
Manual Integrations
APPROVED

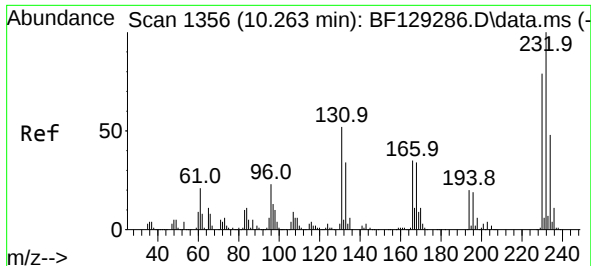
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#58
Fluorene
Concen: 4.144 ng
RT: 10.481 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

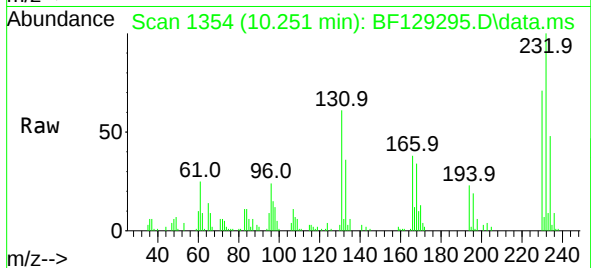
Tgt Ion:166 Resp: 96519
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 12.6 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.544 ng m
RT: 10.251 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

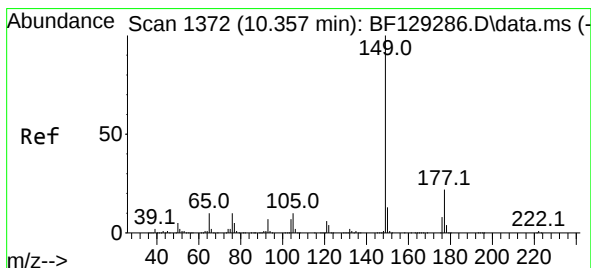
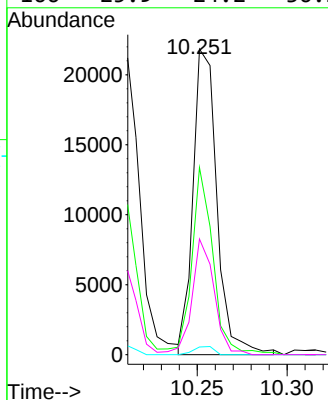
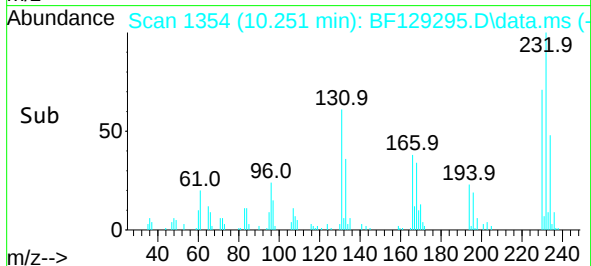
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:232 Resp: 2024
Ion Ratio Lower Upper
232 100
131 46.2 36.1 54.1
130 2.3 1.8 2.8
166 25.9 24.2 36.2

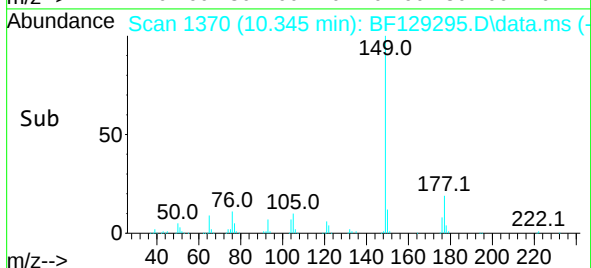
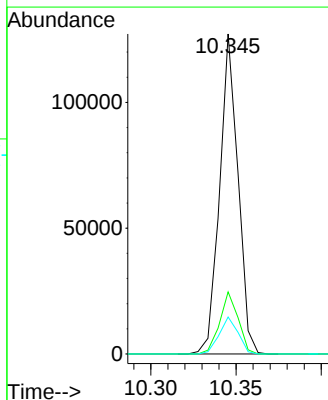
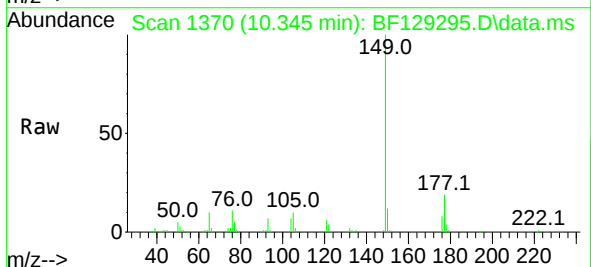
Manual Integrations
APPROVED

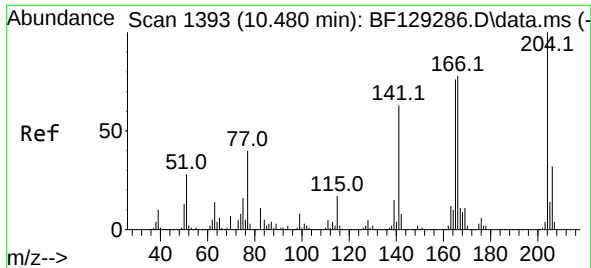
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#60
Diethylphthalate
Concen: 4.049 ng
RT: 10.345 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

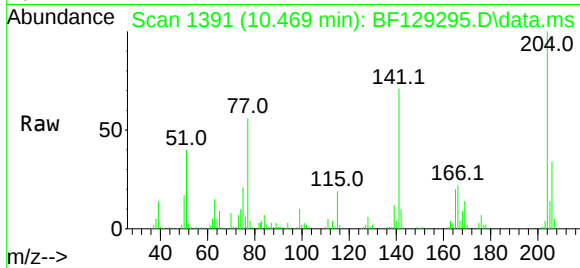
Tgt Ion:149 Resp: 95278
Ion Ratio Lower Upper
149 100
177 19.4 17.3 25.9
150 11.6 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 4.188 ng
RT: 10.469 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

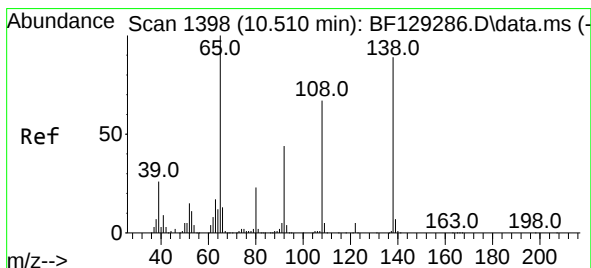
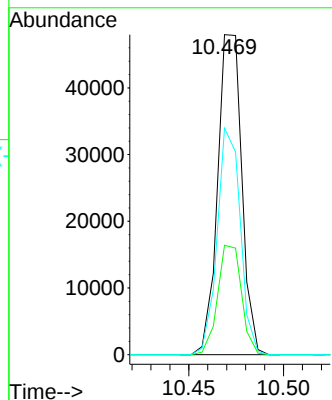
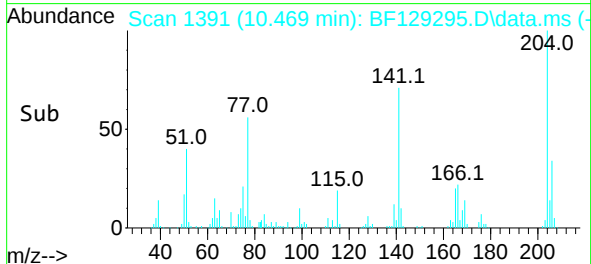
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



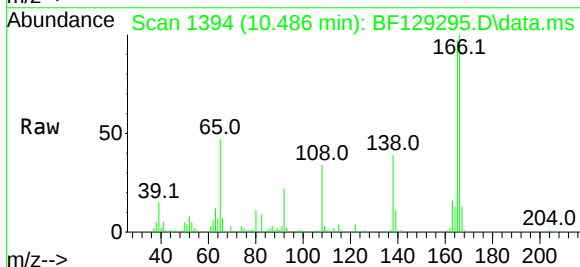
Tgt Ion:204 Resp: 42669
Ion Ratio Lower Upper
204 100
206 34.2 25.8 38.6
141 70.8 47.0 70.4

Manual Integrations
APPROVED

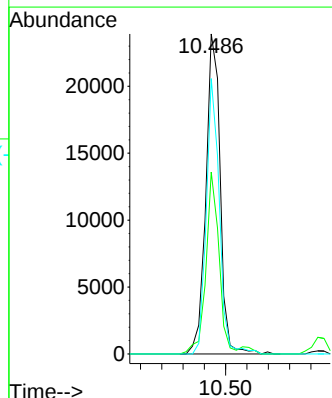
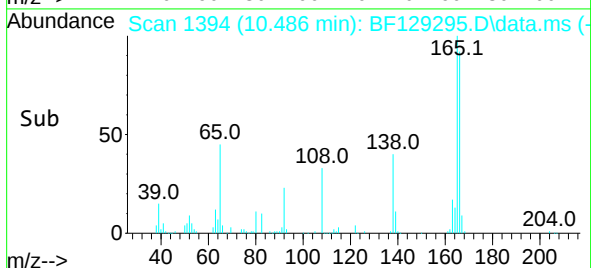
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

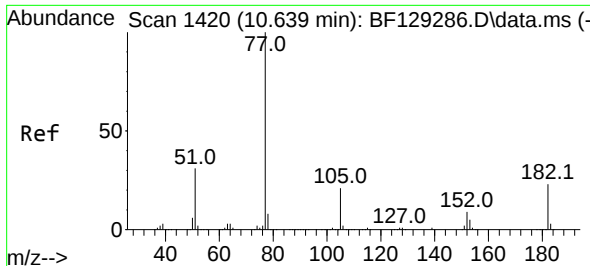


#62
4-Nitroaniline
Concen: 3.483 ng
RT: 10.486 min Scan# 1394
Delta R.T. -0.023 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



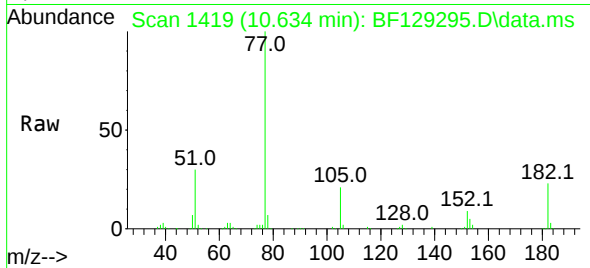
Tgt Ion:138 Resp: 22418
Ion Ratio Lower Upper
138 100
92 56.9 33.5 73.5
108 86.0 61.0 101.0





#63
Azobenzene
Concen: 3.920 ng
RT: 10.634 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

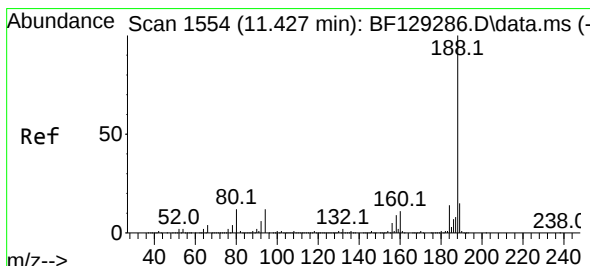
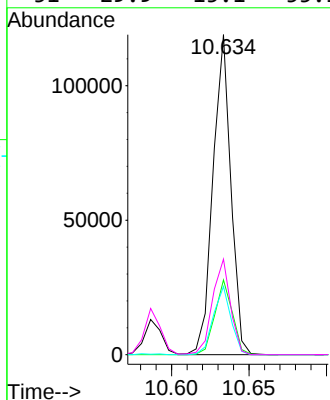
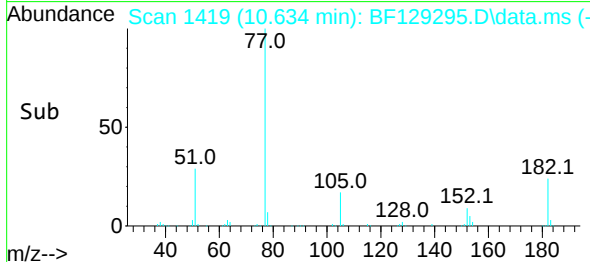
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



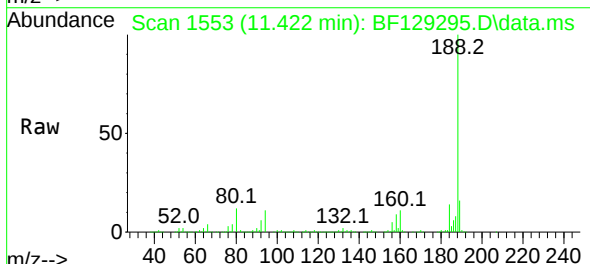
Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.3	5.6	45.6
105	21.3	1.6	41.6
51	29.9	15.1	55.1

Manual Integrations
APPROVED

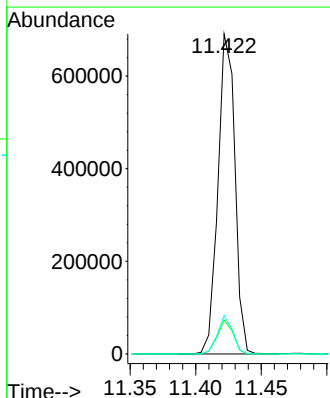
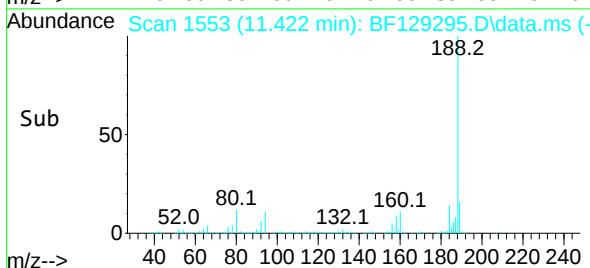
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

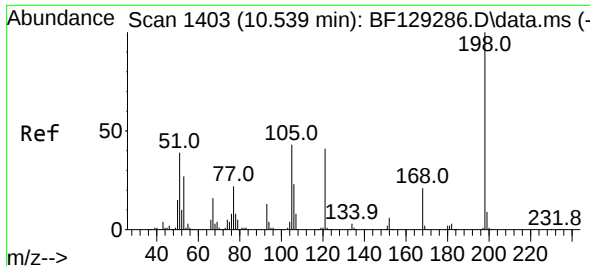


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.0	10.6#
80	12.0	7.6	11.4#





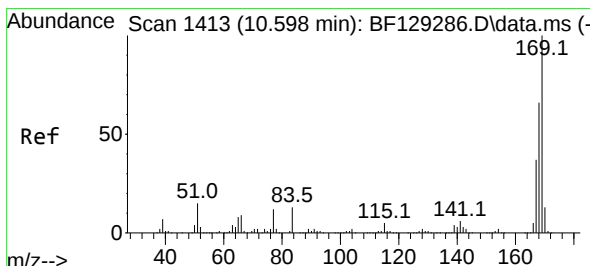
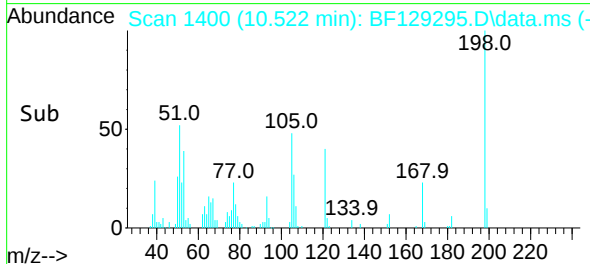
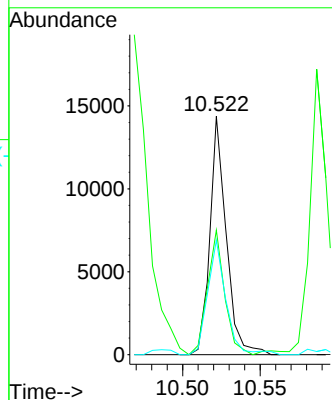
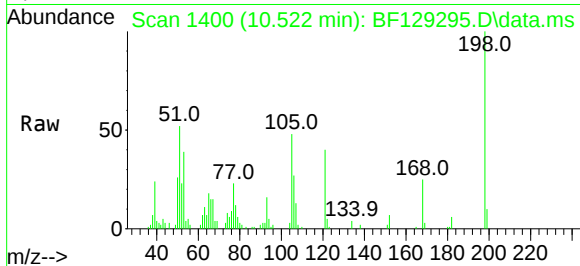
#65
4,6-Dinitro-2-methylphenol
Concen: 2.765 ng
RT: 10.522 min Scan# 1403
Delta R.T. -0.017 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:198 Resp: 10550
Ion Ratio Lower Upper
198 100
51 52.2 37.6 77.6
105 48.1 27.0 67.0

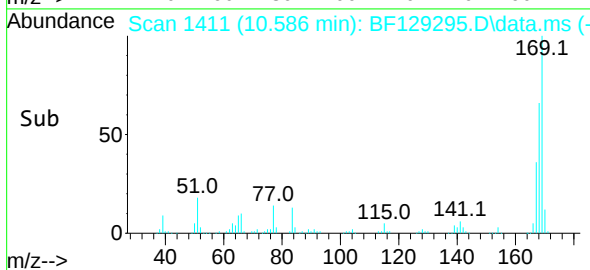
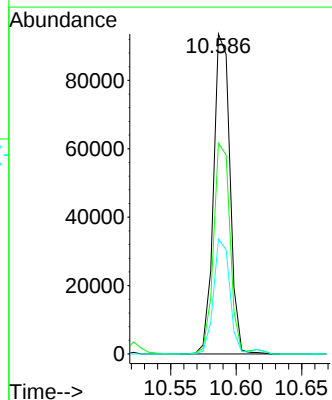
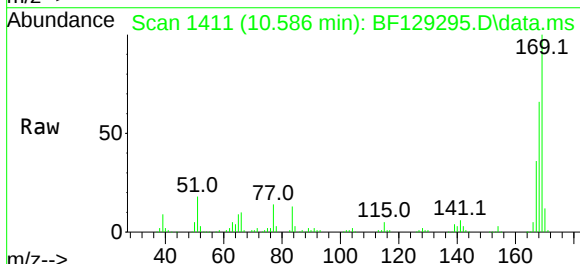
Manual Integrations
APPROVED

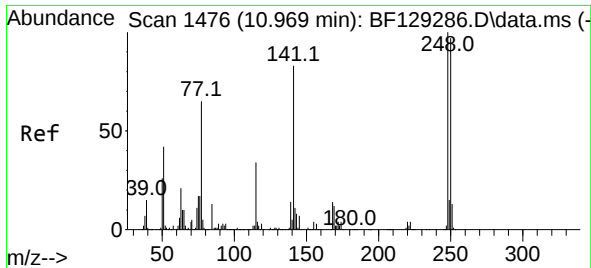
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#66
n-Nitrosodiphenylamine
Concen: 3.960 ng
RT: 10.586 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

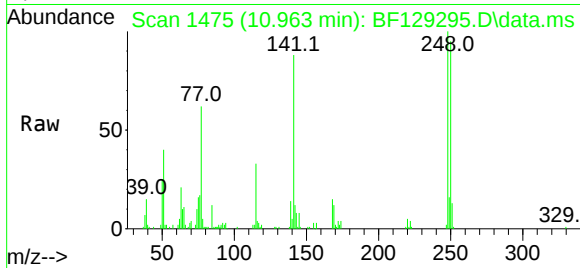
Tgt Ion:169 Resp: 81259
Ion Ratio Lower Upper
169 100
168 65.9 50.1 75.1
167 35.9 27.9 41.9





#67
4-Bromophenyl-phenylether
Concen: 3.829 ng
RT: 10.963 min Scan# 1475
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

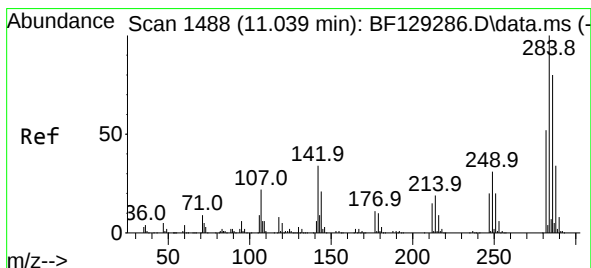
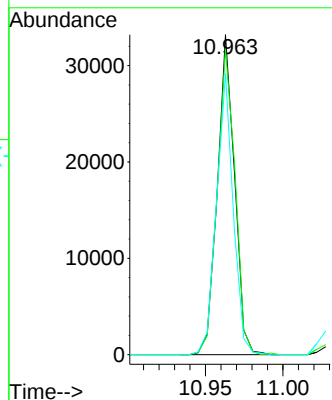
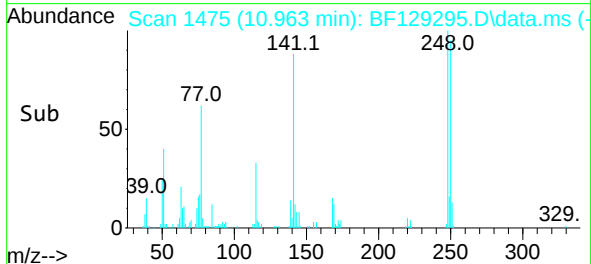
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



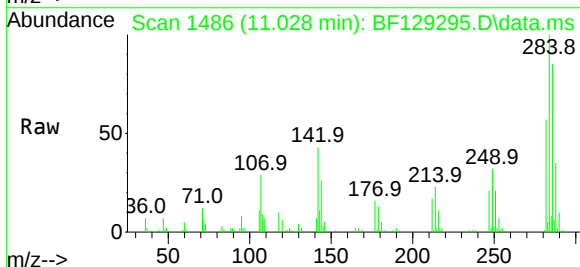
Tgt Ion:248 Resp: 2564
Ion Ratio Lower Upper
248 100
250 95.4 80.6 120.8
141 87.8 58.9 88.3

Manual Integrations
APPROVED

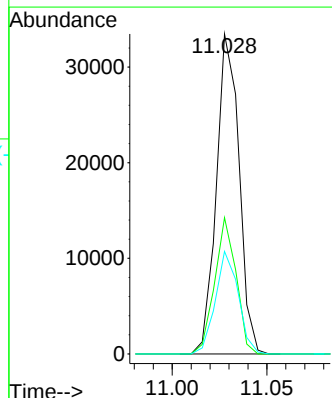
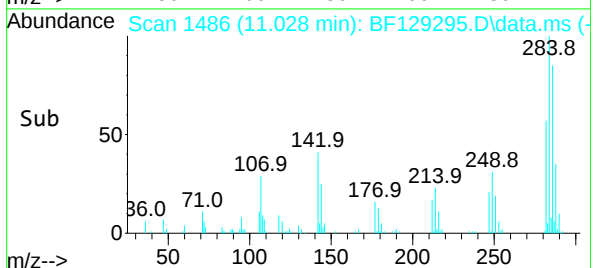
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

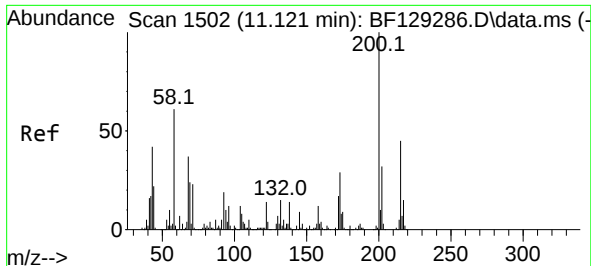


#68
Hexachlorobenzene
Concen: 3.803 ng
RT: 11.028 min Scan# 1486
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



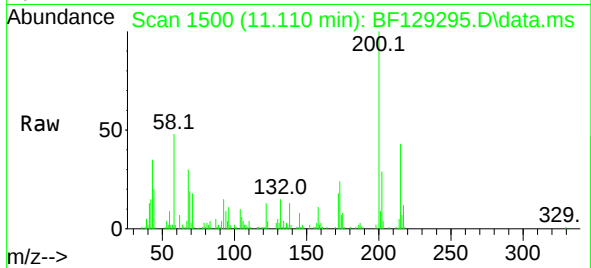
Tgt Ion:284 Resp: 27893
Ion Ratio Lower Upper
284 100
142 42.6 29.0 43.4
249 32.0 25.0 37.6





#69
 Atrazine
 Concen: 3.978 ng
 RT: 11.110 min Scan# 1519
 Delta R.T. -0.012 min
 Lab File: BF129295.D
 Acq: 21 Jul 2022 13:44

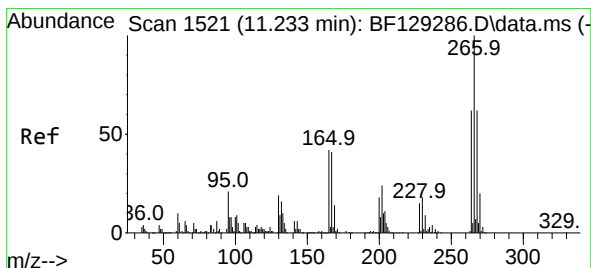
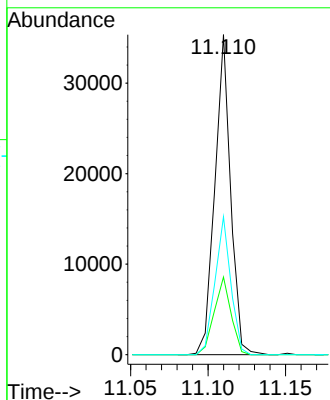
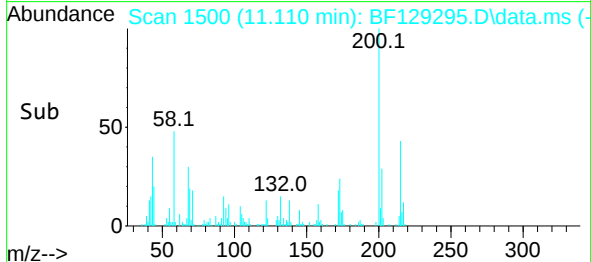
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



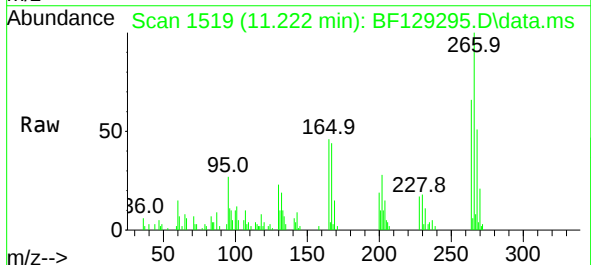
Tgt Ion:200 Resp: 24949
 Ion Ratio Lower Upper
 200 100
 173 24.3 6.3 46.3
 215 43.1 28.3 68.3

Manual Integrations
 APPROVED

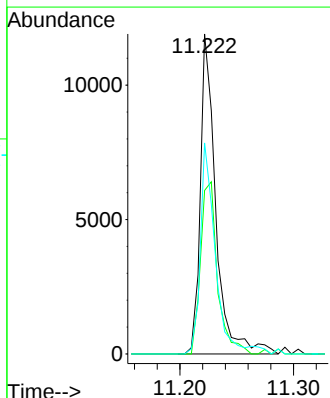
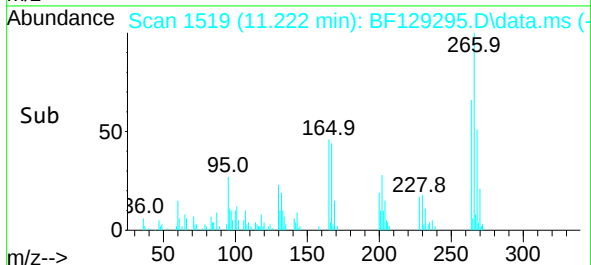
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

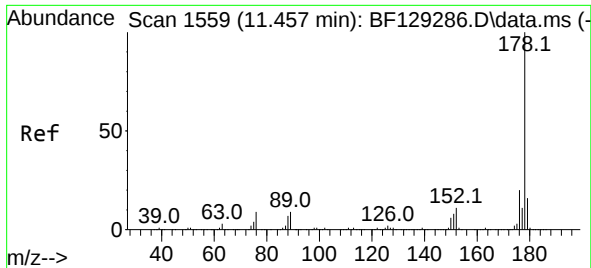


#70
 Pentachlorophenol
 Concen: 2.794 ng
 RT: 11.222 min Scan# 1519
 Delta R.T. -0.012 min
 Lab File: BF129295.D
 Acq: 21 Jul 2022 13:44



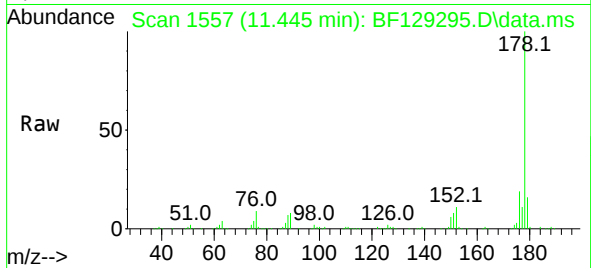
Tgt Ion:266 Resp: 11267
 Ion Ratio Lower Upper
 266 100
 268 51.1 51.0 76.4
 264 65.9 49.4 74.2





#71
Phenanthrene
Concen: 3.958 ng
RT: 11.445 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

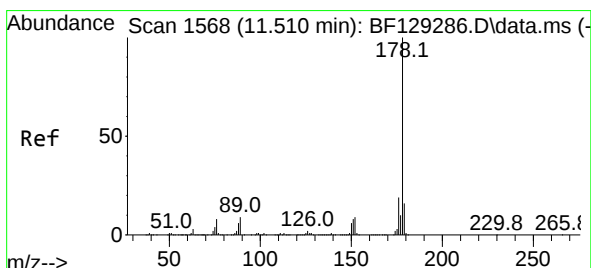
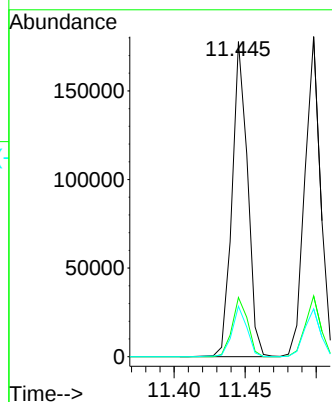
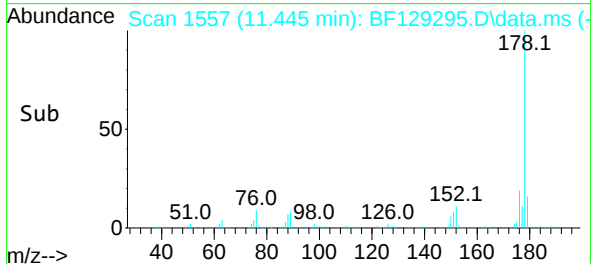
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



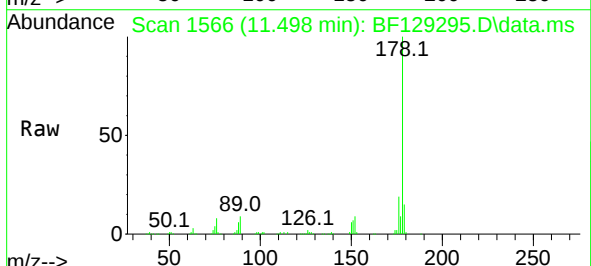
Tgt Ion:178 Resp: 134850
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 16.0 12.6 19.0

Manual Integrations
APPROVED

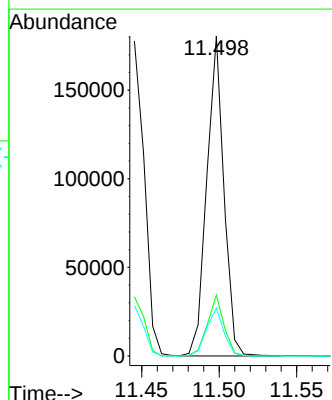
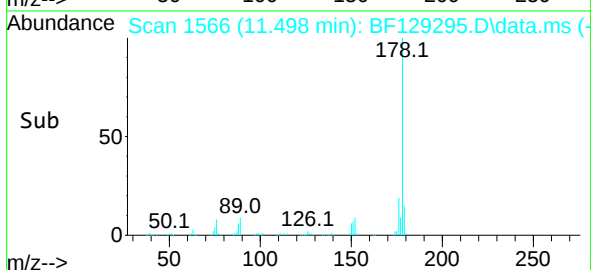
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

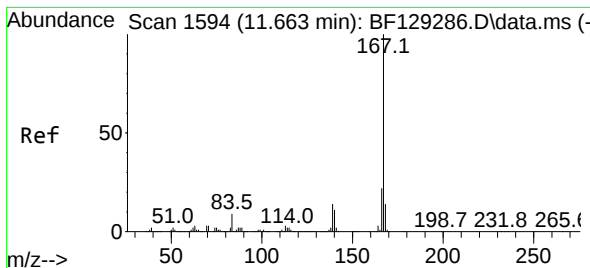


#72
Anthracene
Concen: 4.107 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



Tgt Ion:178 Resp: 138624
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.0 12.6 19.0





#73

Carbazole

Concen: 4.134 ng

RT: 11.651 min Scan# 1592

Delta R.T. -0.012 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

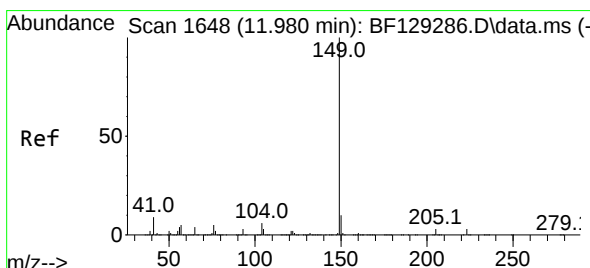
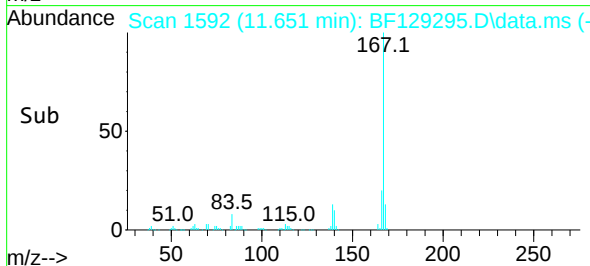
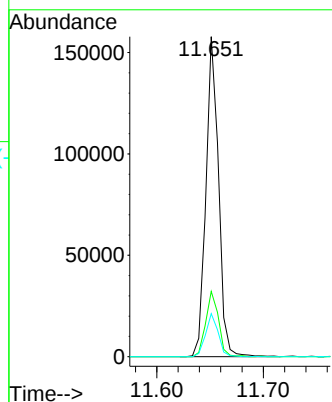
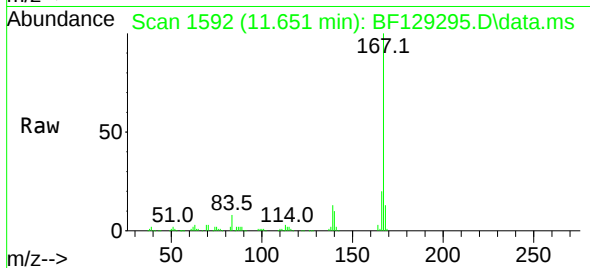
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:167	Resp: 13018
Ion Ratio	Lower Upper
167 100	
166 20.4	17.7 26.5
139 13.5	11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#74

Di-n-butylphthalate

Concen: 3.872 ng

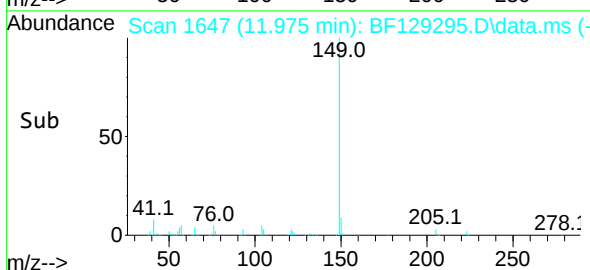
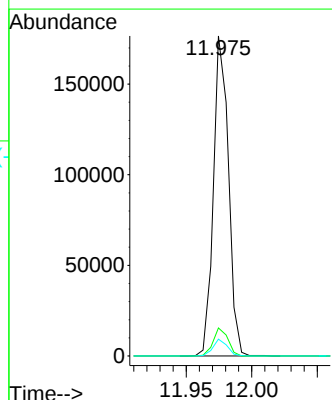
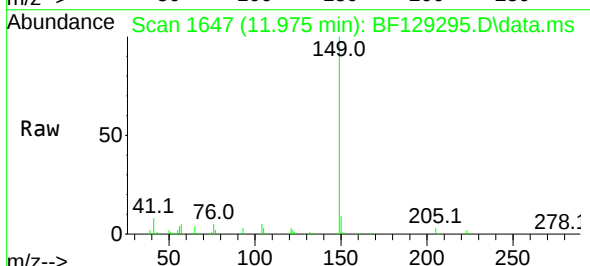
RT: 11.975 min Scan# 1647

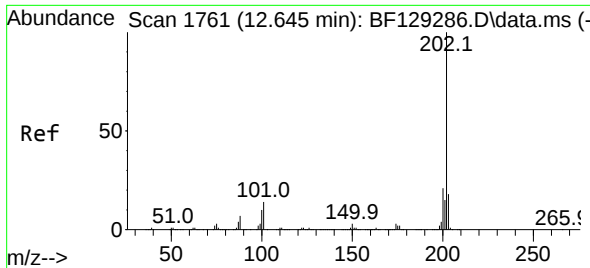
Delta R.T. -0.006 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

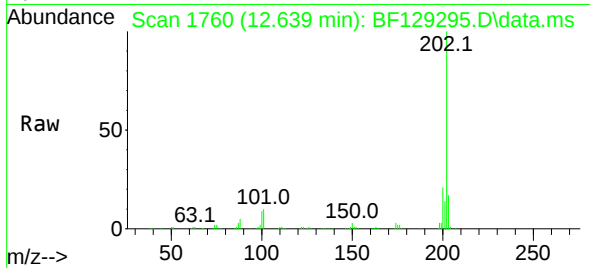
Tgt Ion:149	Resp: 140859
Ion Ratio	Lower Upper
149 100	
150 8.7	7.5 11.3
104 5.3	4.4 6.6





#75
Fluoranthene
Concen: 3.953 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

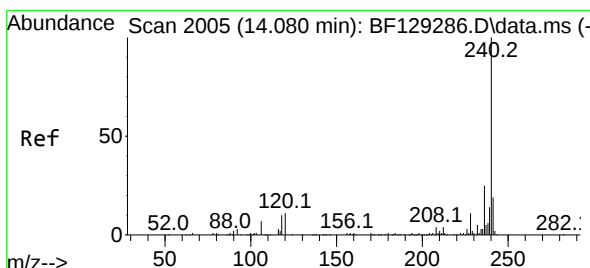
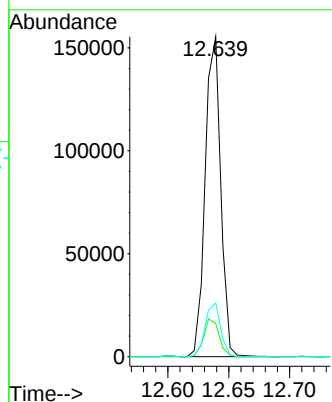
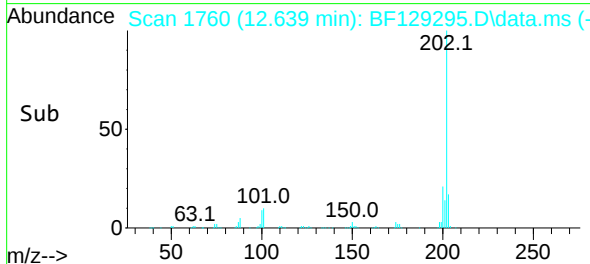
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



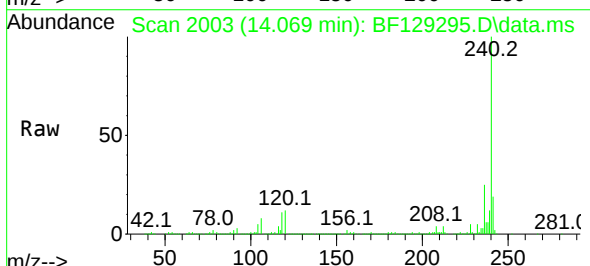
Tgt Ion:202 Resp: 13725
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.4
203 16.8 0.0 38.0

Manual Integrations
APPROVED

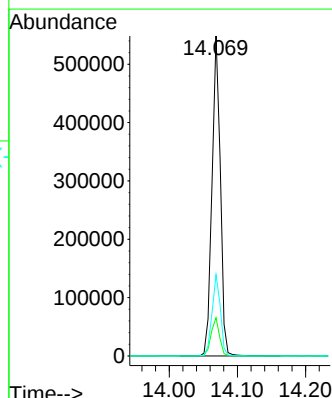
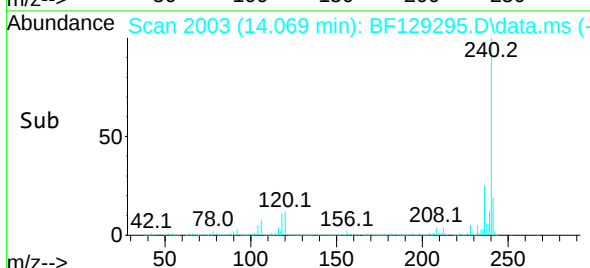
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

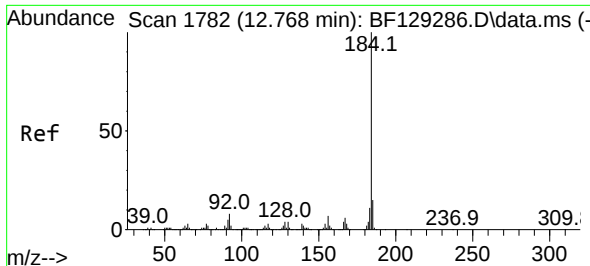


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44



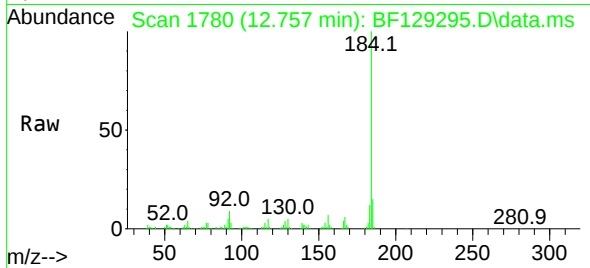
Tgt Ion:240 Resp: 468039
Ion Ratio Lower Upper
240 100
120 12.0 8.9 13.3
236 25.4 20.8 31.2





#77
Benzidine
Concen: 3.846 ng
RT: 12.757 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

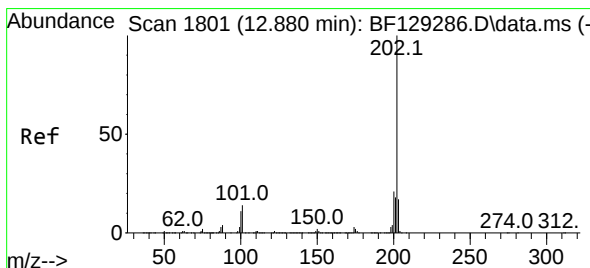
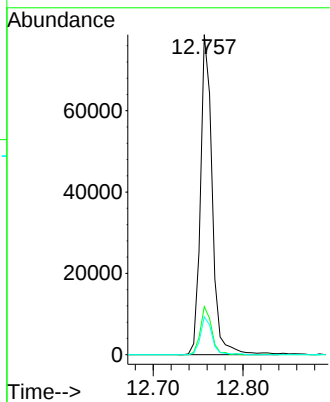
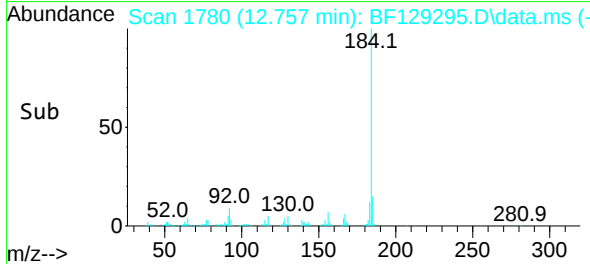
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:184 Resp: 71730
Ion Ratio Lower Upper
184 100
185 15.0 11.9 17.9
183 11.8 9.3 13.9

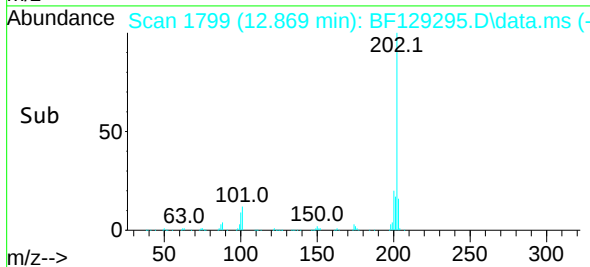
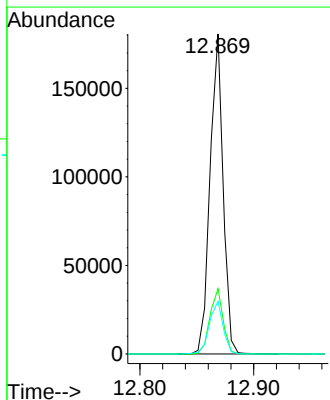
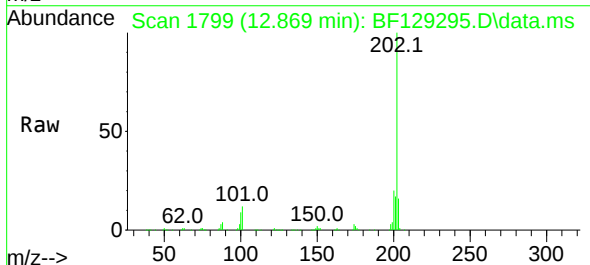
Manual Integrations
APPROVED

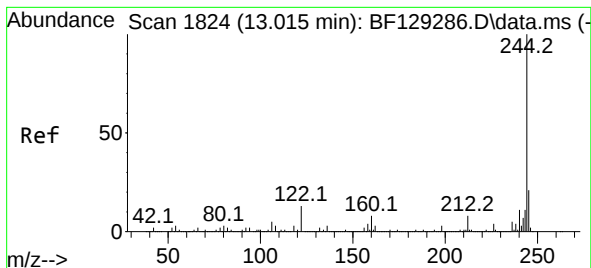
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#78
Pyrene
Concen: 3.600 ng
RT: 12.869 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Tgt Ion:202 Resp: 144092
Ion Ratio Lower Upper
202 100
200 20.4 17.7 26.5
203 16.4 14.6 21.8





#79

Terphenyl-d14

Concen: 76.642 ng

RT: 13.016 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129295.D

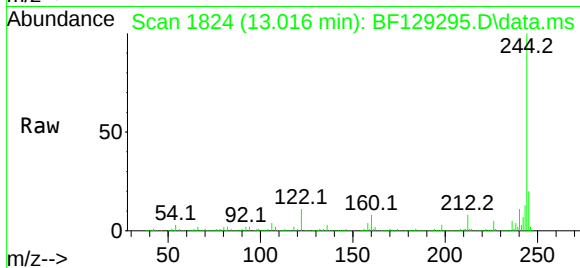
Acq: 21 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:244 Resp: 192605

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

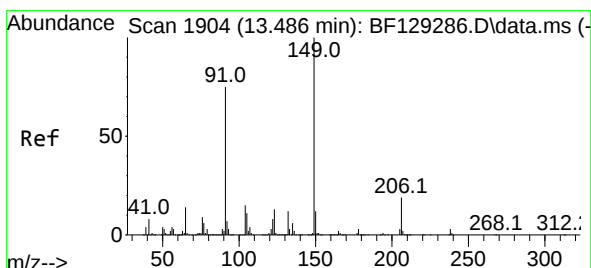
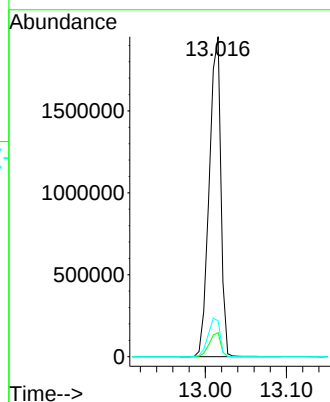
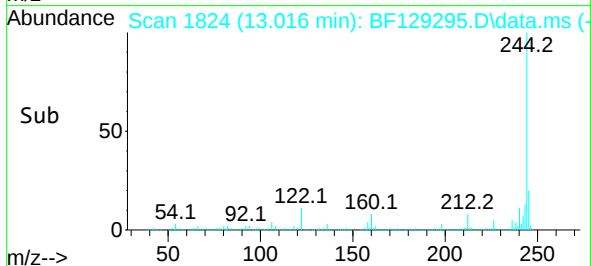
122 11.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#80

Butylbenzylphthalate

Concen: 3.143 ng

RT: 13.480 min Scan# 1903

Delta R.T. -0.006 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

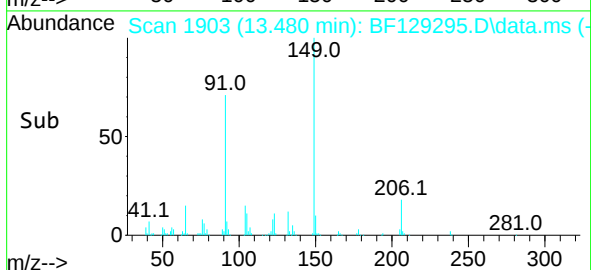
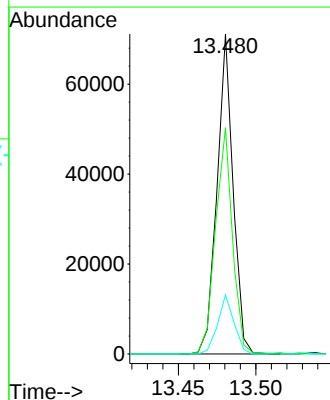
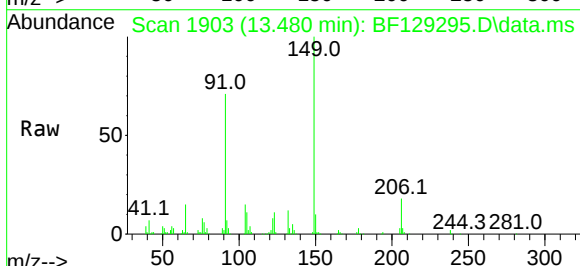
Tgt Ion:149 Resp: 51346

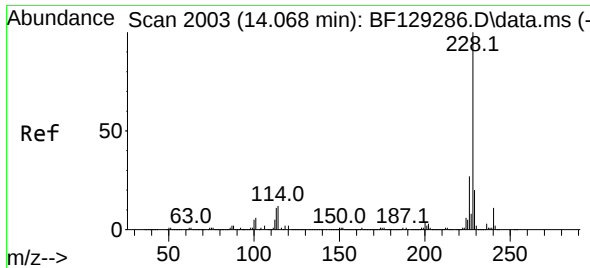
Ion Ratio Lower Upper

149 100

91 70.7 61.2 91.8

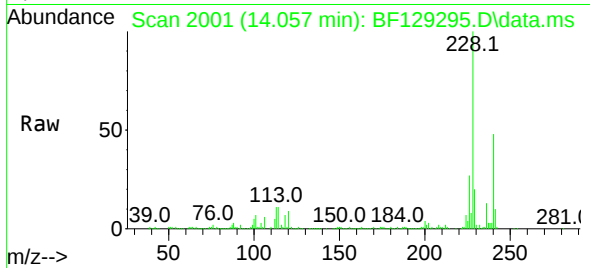
206 18.5 15.7 23.5





#81
Benzo(a)anthracene
Concen: 3.745 ng
RT: 14.057 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

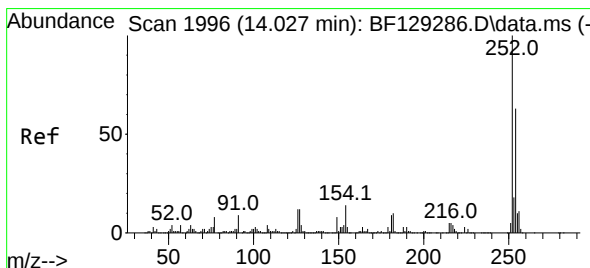
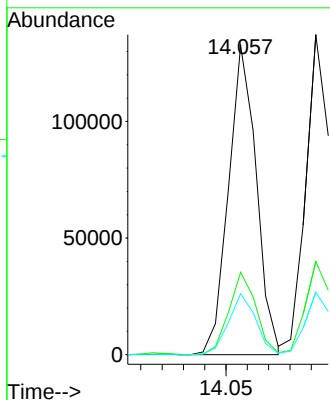
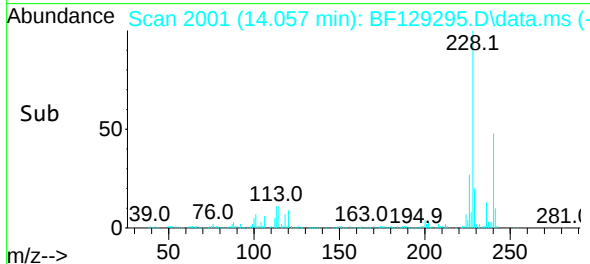
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:228 Resp: 120714
Ion Ratio Lower Upper
228 100
226 26.6 22.1 33.1
229 19.7 15.8 23.8

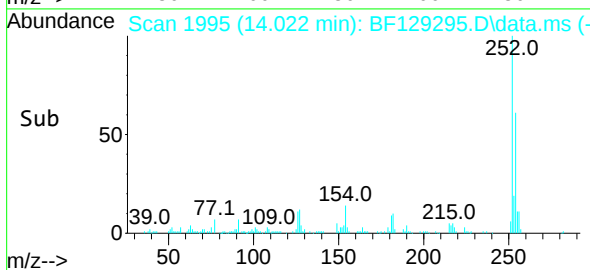
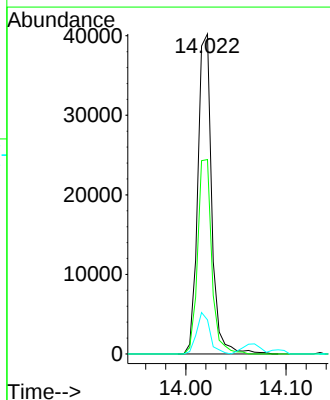
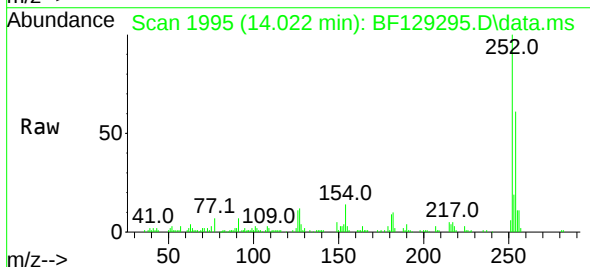
Manual Integrations
APPROVED

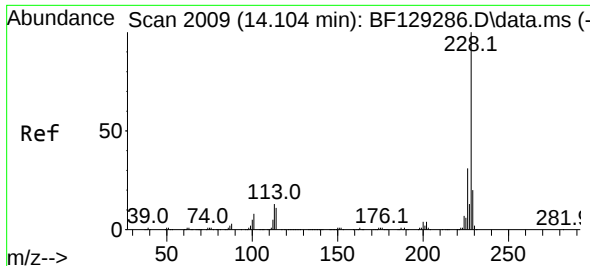
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#82
3,3'-Dichlorobenzidine
Concen: 3.678 ng
RT: 14.022 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

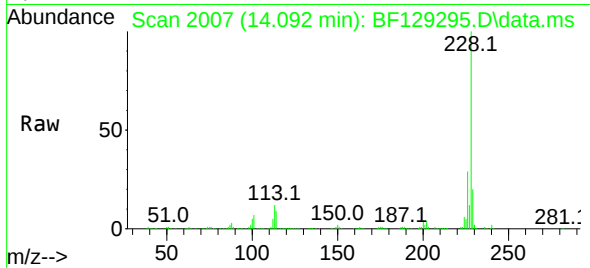
Tgt Ion:252 Resp: 38910
Ion Ratio Lower Upper
252 100
254 60.7 50.2 75.4
126 10.7 8.2 12.4





#83
Chrysene
Concen: 3.717 ng
RT: 14.092 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

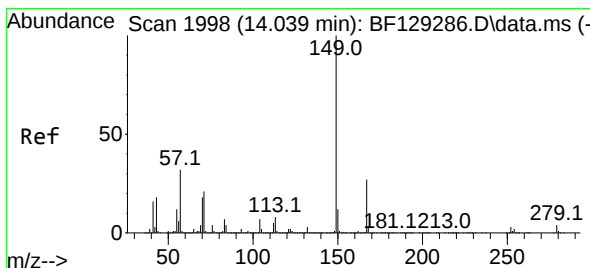
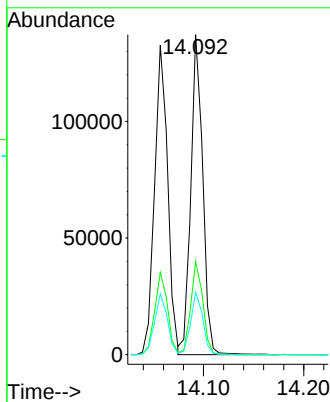
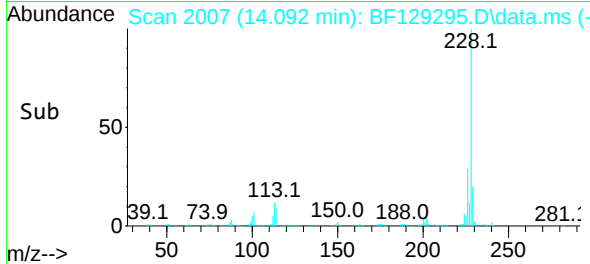
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:228 Resp: 11307
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 19.6 15.9 23.9

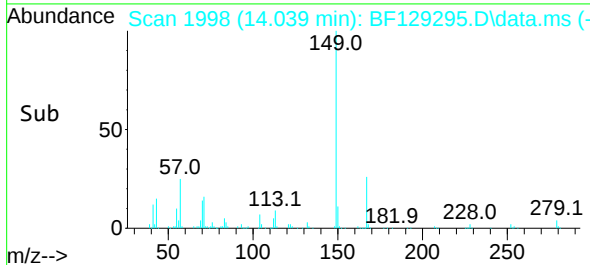
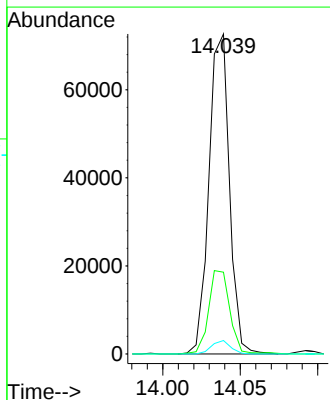
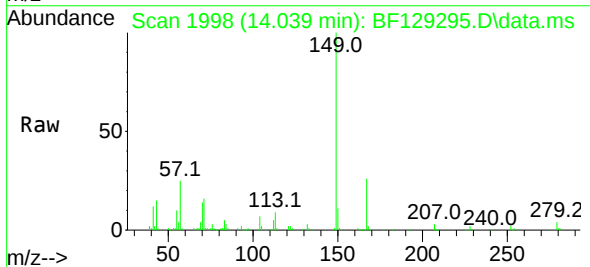
Manual Integrations
APPROVED

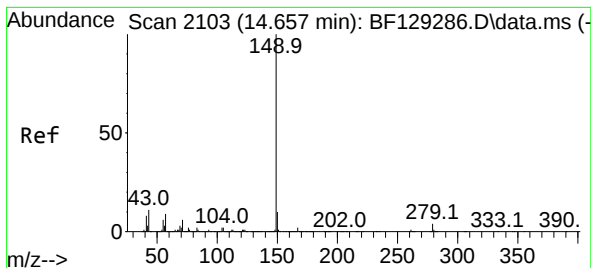
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.336 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

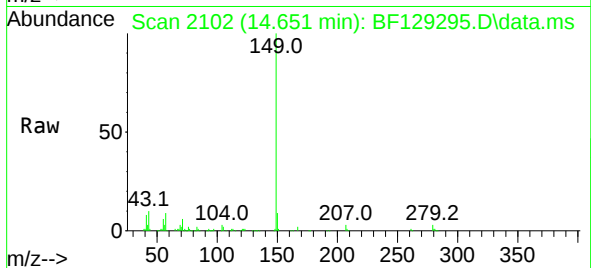
Tgt Ion:149 Resp: 66920
Ion Ratio Lower Upper
149 100
167 25.6 21.0 31.4
279 4.2 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 3.221 ng
RT: 14.651 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

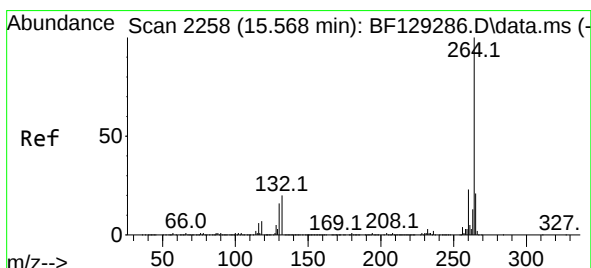
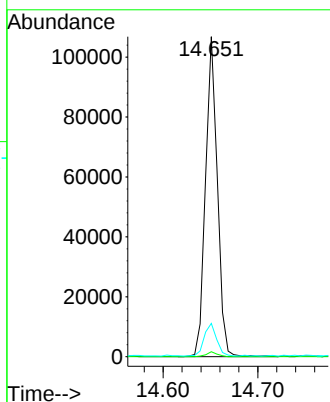
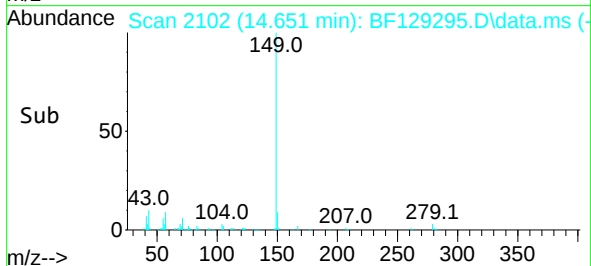
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:149 Resp: 92460
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 10.6 9.2 13.8

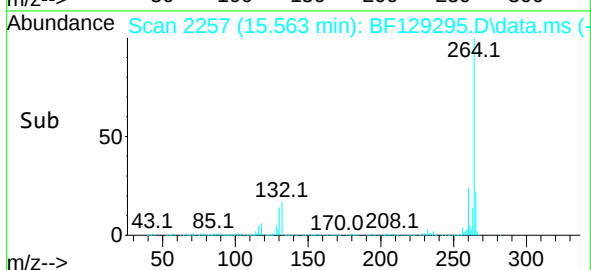
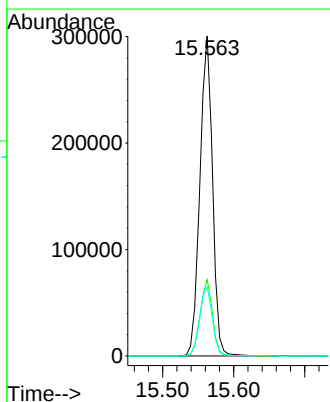
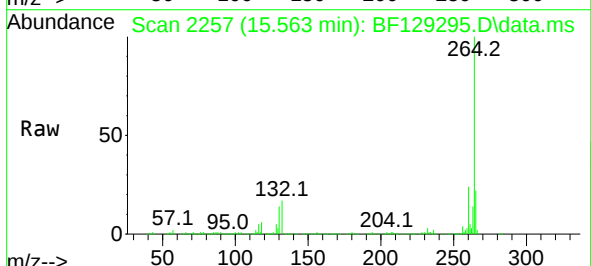
Manual Integrations
APPROVED

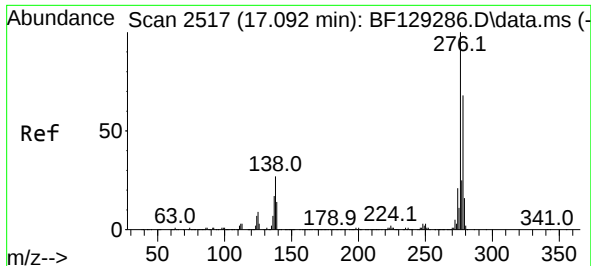
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

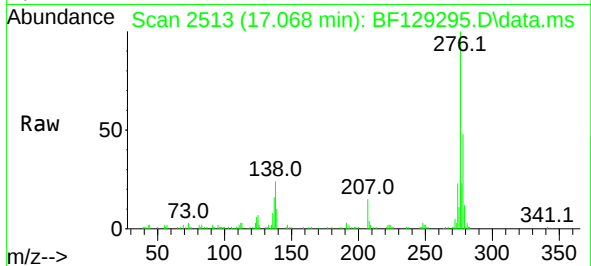
Tgt Ion:264 Resp: 372438
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 21.6 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.026 ng
RT: 17.068 min Scan# 2113
Delta R.T. -0.023 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

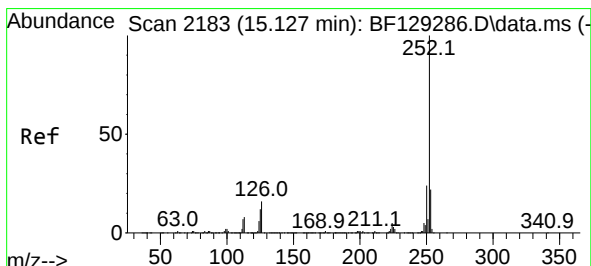
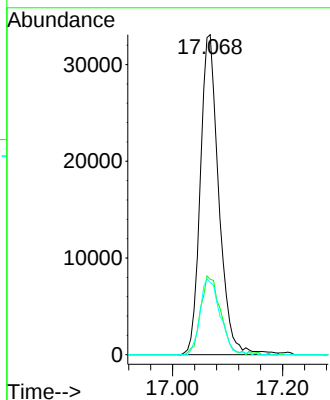
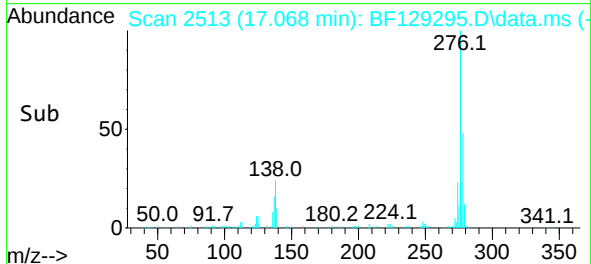
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:276 Resp: 77258
Ion Ratio Lower Upper
276 100
138 26.5 21.1 31.7
277 25.8 20.3 30.5

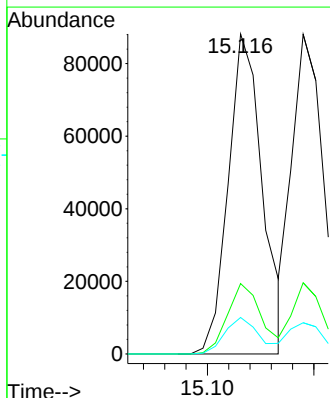
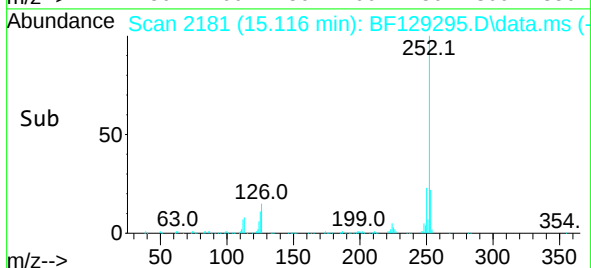
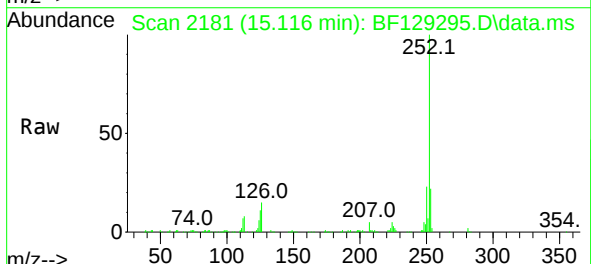
Manual Integrations
APPROVED

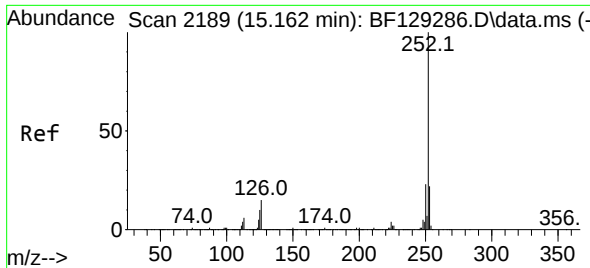
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#88
Benzo(b)fluoranthene
Concen: 3.980 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

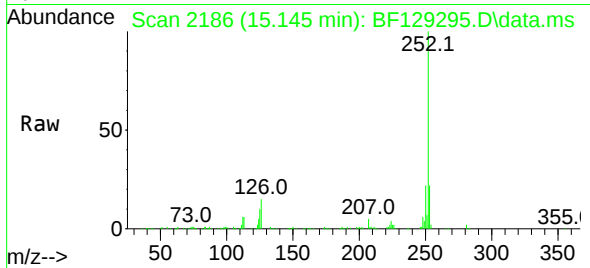
Tgt Ion:252 Resp: 98648
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 11.4 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 3.862 ng
RT: 15.145 min Scan# 2189
Delta R.T. -0.017 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

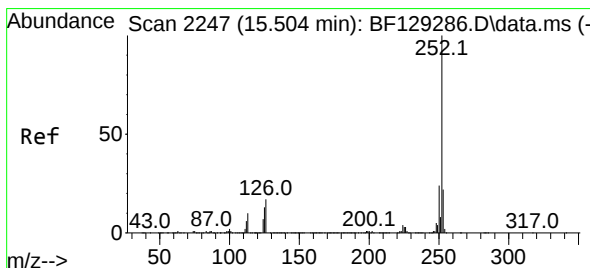
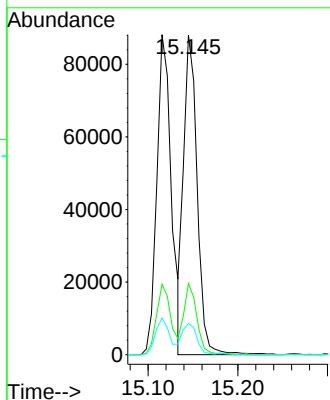
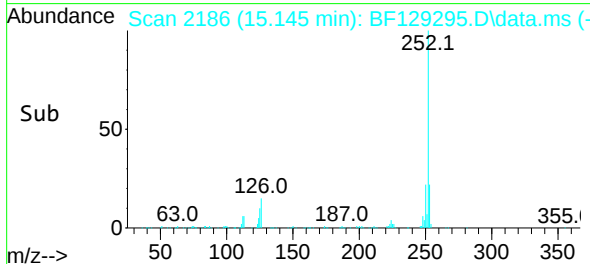
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:252 Resp: 9295
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 9.8 8.3 12.5

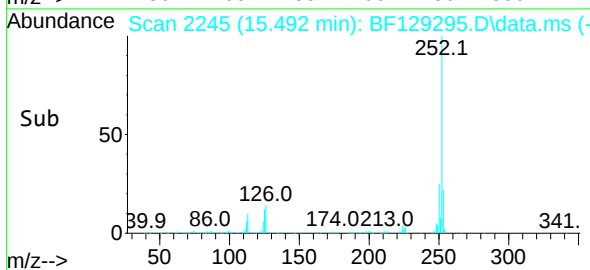
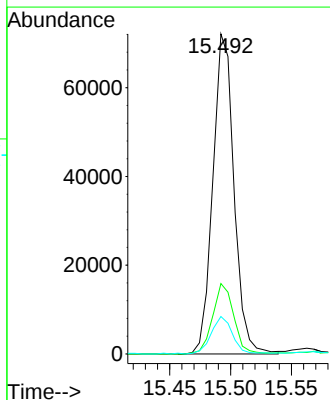
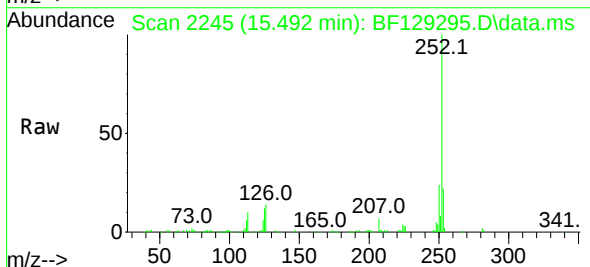
Manual Integrations
APPROVED

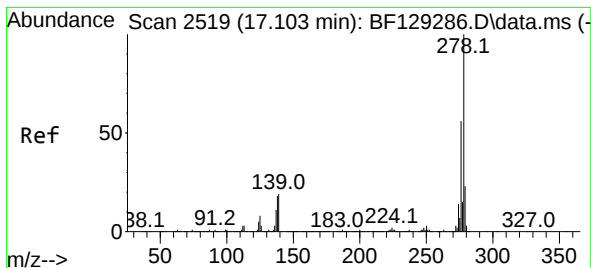
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#90
Benzo(a)pyrene
Concen: 4.352 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129295.D
Acq: 21 Jul 2022 13:44

Tgt Ion:252 Resp: 87285
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 11.7 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.154 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 278 Resp: 6489

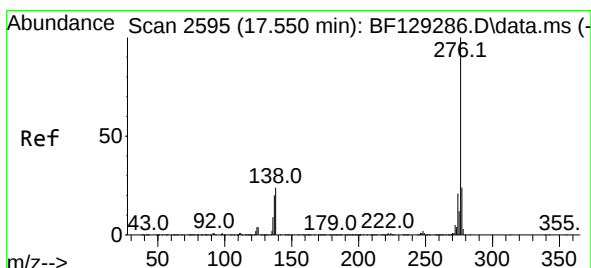
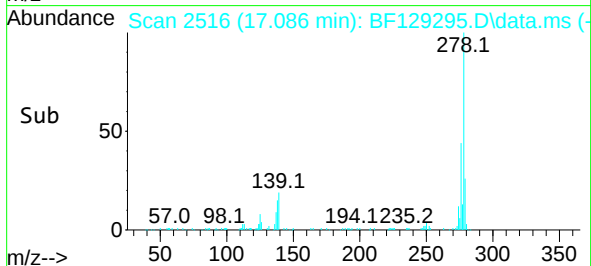
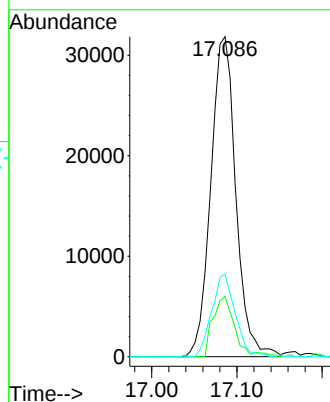
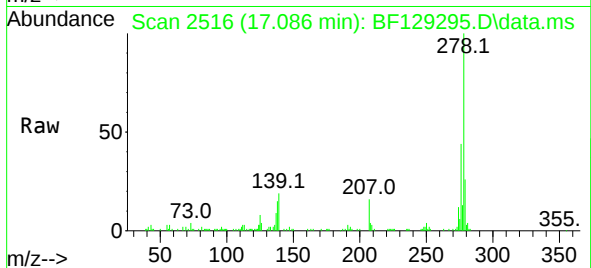
Ion	Ratio	Lower	Upper
278	100		
139	18.8	12.8	19.2
279	25.8	18.6	28.0

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 07/22/2022

Supervised By : Jagrut Upadhyay 07/22/2022



#92

Benzo(g,h,i)perylene

Concen: 3.108 ng

RT: 17.521 min Scan# 2590

Delta R.T. -0.029 min

Lab File: BF129295.D

Acq: 21 Jul 2022 13:44

Tgt Ion: 276 Resp: 66467

Ion	Ratio	Lower	Upper
276	100		
277	21.9	19.1	28.7
138	23.3	18.0	27.0

