

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072122\
 Data File : BF129296.D
 Acq On : 21 Jul 2022 14:18
 Operator : CG\JU
 Sample : N3214-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 21 14:40:19 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	6.892	152	174760	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	650067	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	345425	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	590903	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	442761	20.000	ng	-0.01
86) Perylene-d12	15.562	264	346392	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1176859	109.836	ng	0.00
7) Phenol-d6	6.522	99	1582346	115.850	ng	0.00
23) Nitrobenzene-d5	7.457	82	1090116	90.218	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	414927	124.504	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1850187	82.398	ng	0.00
79) Terphenyl-d14	13.016	244	1846653	77.678	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	32761	6.896	ng	90
3) Pyridine	3.557	79	79521m	6.062	ng	
4) n-Nitrosodimethylamine	3.422	42	44406	7.540	ng	97
6) Aniline	6.557	93	138637	8.249	ng	99
8) 2-Chlorophenol	6.681	128	90025	7.664	ng	94
9) Benzaldehyde	6.445	77	76316	8.145	ng	97
10) Phenol	6.534	94	109207	7.608	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	86638	7.625	ng	93
12) 1,3-Dichlorobenzene	6.834	146	99165	7.833	ng	99
13) 1,4-Dichlorobenzene	6.910	146	101020	7.886	ng	98
14) 1,2-Dichlorobenzene	7.063	146	93920	7.935	ng	97
15) Benzyl Alcohol	7.028	79	91267	9.210	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.163	45	124814	7.205	ng	93
17) 2-Methylphenol	7.139	107	71802	7.501	ng	99
18) Hexachloroethane	7.404	117	37030	7.705	ng	# 87
19) n-Nitroso-di-n-propyla...	7.298	70	64626	7.941	ng	95
20) 3+4-Methylphenols	7.292	107	93423	7.483	ng	# 88
22) Acetophenone	7.298	105	133709	8.760	ng	99
24) Nitrobenzene	7.475	77	100671	8.089	ng	96
25) Isophorone	7.710	82	173519	8.179	ng	99
26) 2-Nitrophenol	7.792	139	46679	7.773	ng	92
27) 2,4-Dimethylphenol	7.822	122	80181	8.876	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	105452	8.581	ng	98
29) 2,4-Dichlorophenol	8.028	162	73869	7.861	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	81728	8.369	ng	97
31) Naphthalene	8.198	128	270460	8.112	ng	99
32) Benzoic acid	7.892	122	48198	7.299	ng	97
33) 4-Chloroaniline	8.245	127	111156	8.174	ng	98
34) Hexachlorobutadiene	8.310	225	46284	8.292	ng	99
35) Caprolactam	8.586	113	22183	7.402	ng	# 82
36) 4-Chloro-3-methylphenol	8.716	107	79795	7.993	ng	96
37) 2-Methylnaphthalene	8.886	142	173415	8.027	ng	100
38) 1-Methylnaphthalene	8.986	142	166548	7.968	ng	98
40) 1,2,4,5-Tetrachloroben...	9.051	216	76268	8.410	ng	99
41) Hexachlorocyclopentadiene	9.039	237	32926	8.237	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	49867	7.525	ng	96

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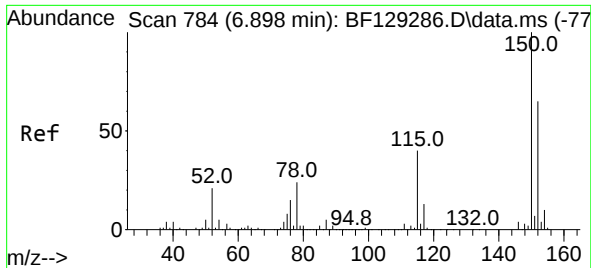
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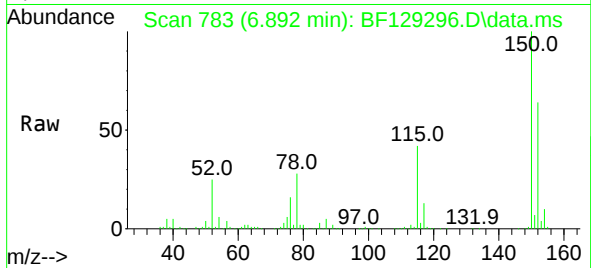
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	52272	7.271	ng	# 93
46) 1,1'-Biphenyl	9.351	154	216449	8.480	ng	98
47) 2-Chloronaphthalene	9.380	162	168303	8.232	ng	97
48) 2-Nitroaniline	9.469	65	52476	7.642	ng	98
49) Acenaphthylene	9.792	152	268673	8.557	ng	99
50) Dimethylphthalate	9.645	163	186620	7.864	ng	99
51) 2,6-Dinitrotoluene	9.710	165	40108	7.548	ng	87
52) Acenaphthene	9.969	154	166225	8.158	ng	100
53) 3-Nitroaniline	9.880	138	44754	7.078	ng	# 98
54) 2,4-Dinitrophenol	9.986	184	22314	8.299	ng	95
55) Dibenzofuran	10.139	168	234638	8.286	ng	99
56) 4-Nitrophenol	10.033	139	33013	7.150	ng	93
57) 2,4-Dinitrotoluene	10.116	165	54632	7.843	ng	92
58) Fluorene	10.480	166	184327	8.156	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	40400	7.289	ng	92
60) Diethylphthalate	10.345	149	180308	7.897	ng	98
61) 4-Chlorophenyl-phenyle...	10.475	204	81976	8.291	ng	96
62) 4-Nitroaniline	10.492	138	44793	7.173	ng	95
63) Azobenzene	10.633	77	183413	7.764	ng	95
65) 4,6-Dinitro-2-methylph...	10.522	198	22581	6.213	ng	91
66) n-Nitrosodiphenylamine	10.592	169	156641	8.018	ng	96
67) 4-Bromophenyl-phenylether	10.963	248	50753	7.960	ng	# 92
68) Hexachlorobenzene	11.027	284	56863	8.143	ng	95
69) Atrazine	11.110	200	47686	7.987	ng	96
70) Pentachlorophenol	11.222	266	25159	6.553	ng	96
71) Phenanthrene	11.445	178	260325	8.027	ng	99
72) Anthracene	11.498	178	269474	8.385	ng	98
73) Carbazole	11.651	167	246263	8.215	ng	99
74) Di-n-butylphthalate	11.980	149	276723	7.989	ng	97
75) Fluoranthene	12.639	202	267036	8.079	ng	99
77) Benzidine	12.757	184	137279	7.780	ng	99
78) Pyrene	12.868	202	275149	7.266	ng	97
80) Butylbenzylphthalate	13.480	149	105743	6.843	ng	95
81) Benzo(a)anthracene	14.057	228	228656	7.500	ng	98
82) 3,3'-Dichlorobenzidine	14.021	252	78824	7.876	ng	99
83) Chrysene	14.092	228	216110	7.510	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	135213	7.125	ng	98
85) Di-n-octyl phthalate	14.651	149	185675	6.837	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	148580	6.257	ng	99
88) Benzo(b)fluoranthene	15.115	252	187023	8.112	ng	98
89) Benzo(k)fluoranthene	15.145	252	179645	8.025	ng	98
90) Benzo(a)pyrene	15.498	252	164938	8.842	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	125874	6.577	ng	99
92) Benzo(g,h,i)perylene	17.527	276	127128	6.392	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

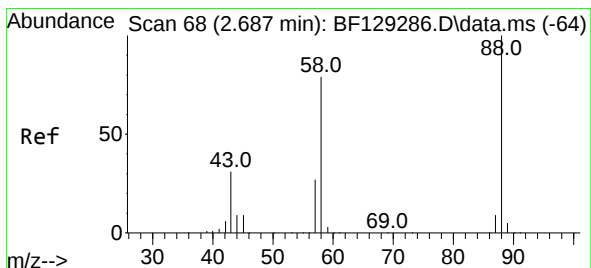
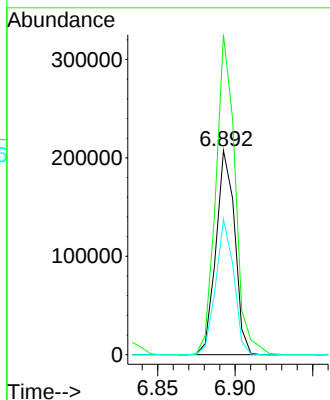
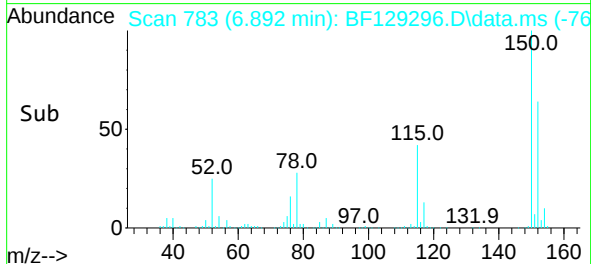
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:152 Resp: 174760
Ion Ratio Lower Upper
152 100
150 156.8 123.7 185.5
115 66.3 49.9 74.9

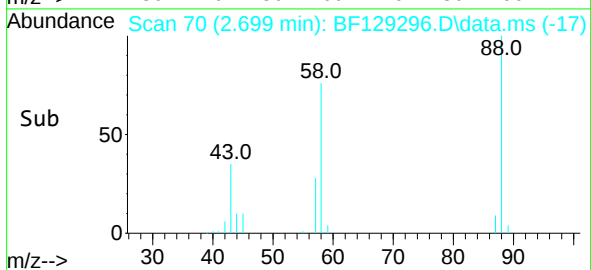
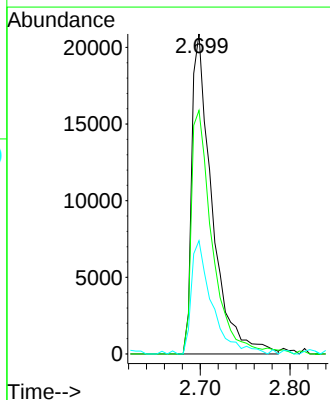
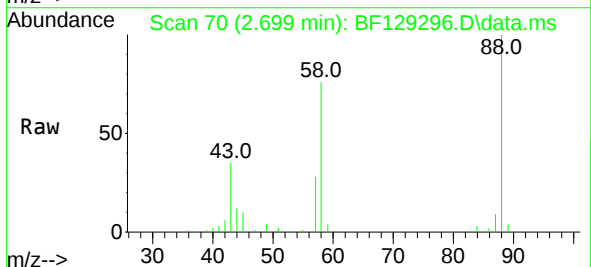
Manual Integrations
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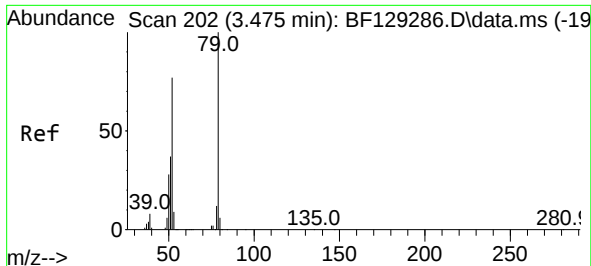
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#2
1,4-Dioxane
Concen: 6.896 ng
RT: 2.699 min Scan# 70
Delta R.T. 0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

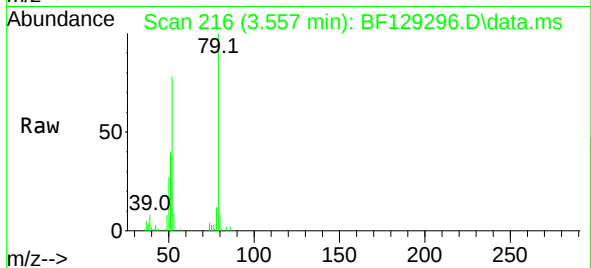
Tgt Ion: 88 Resp: 32761
Ion Ratio Lower Upper
88 100
58 79.0 71.8 107.8
43 35.9 26.6 39.8





#3
Pyridine
Concen: 6.062 ng m
RT: 3.557 min Scan# 216
Delta R.T. 0.082 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

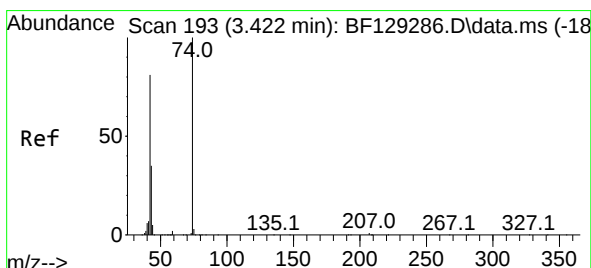
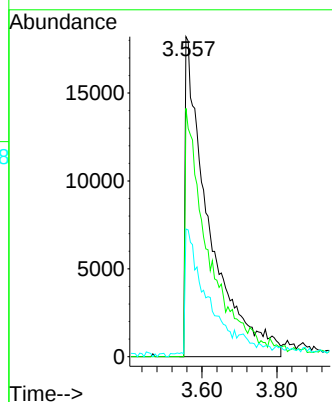
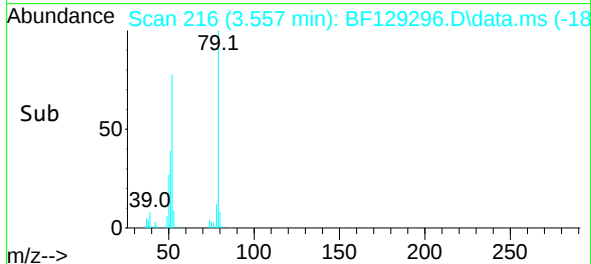
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 79 Resp: 7952
Ion Ratio Lower Upper
79 100
52 77.6 68.6 102.8
51 39.9 32.9 49.3

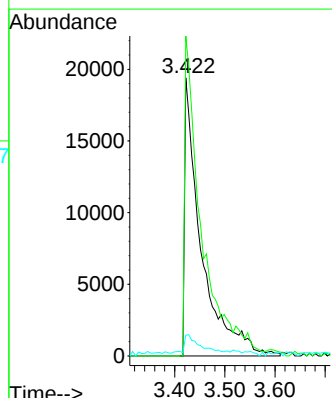
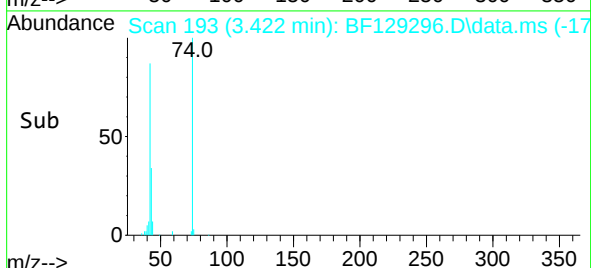
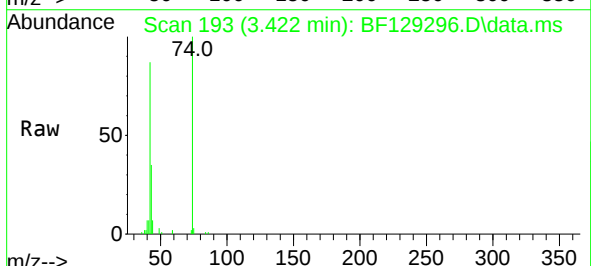
Manual Integrations
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Supervised By :Jagrut Upadhyay 07/22/2022



#4
n-Nitrosodimethylamine
Concen: 7.540 ng
RT: 3.422 min Scan# 193
Delta R.T. 0.000 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

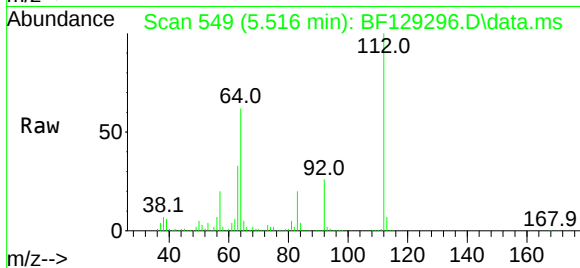
Tgt Ion: 42 Resp: 44406
Ion Ratio Lower Upper
42 100
74 115.0 94.8 142.2
44 7.5 6.6 10.0





#5
2-Fluorophenol
Concen: 109.836 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.000 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

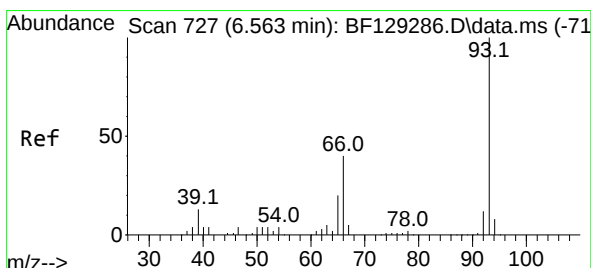
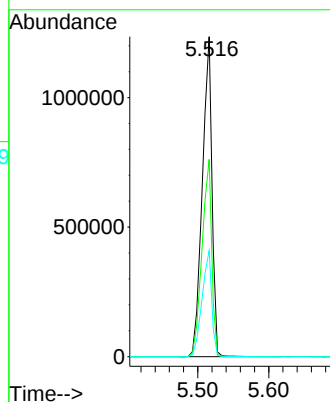
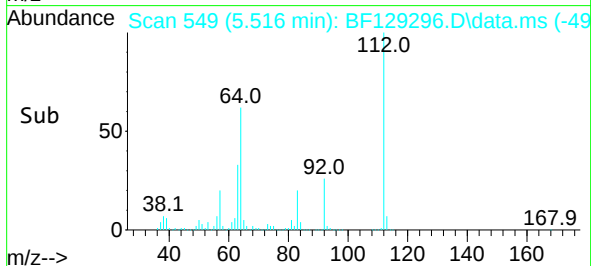
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:112 Resp: 1176859
Ion Ratio Lower Upper
112 100
64 61.7 53.3 79.9
63 33.2 28.0 42.0

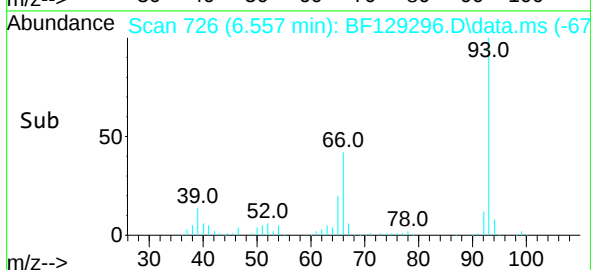
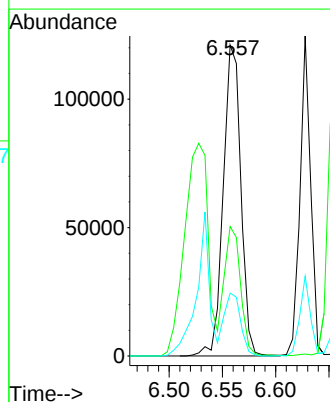
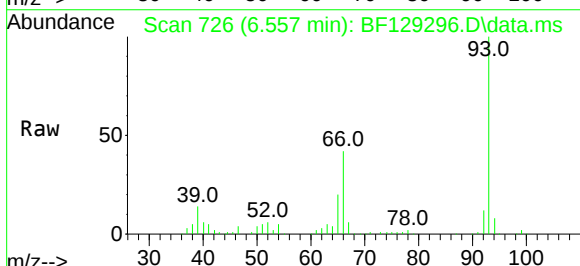
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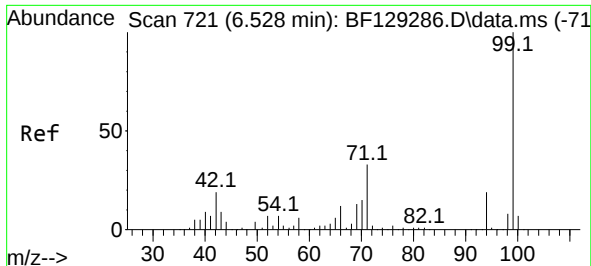
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#6
Aniline
Concen: 8.249 ng
RT: 6.557 min Scan# 726
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

Tgt Ion: 93 Resp: 138637
Ion Ratio Lower Upper
93 100
66 41.6 32.5 48.7
65 20.2 16.4 24.6





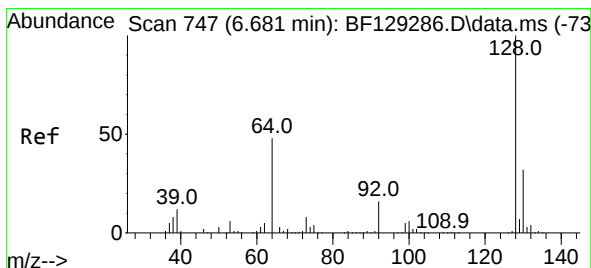
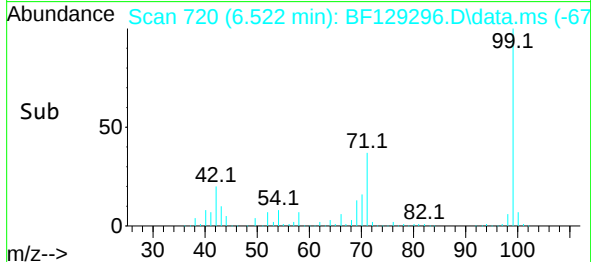
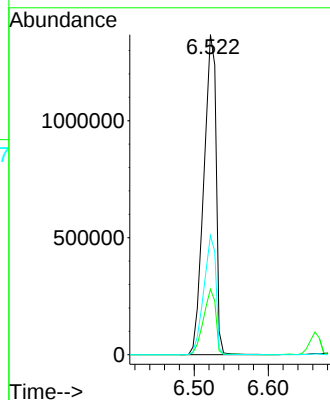
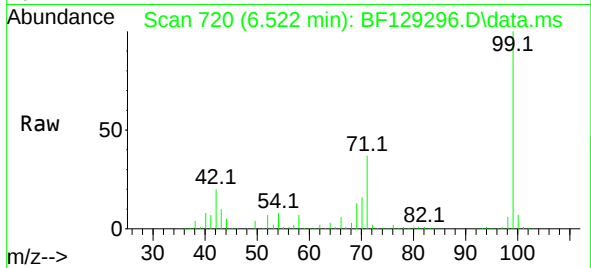
#7
Phenol-d6
Concen: 115.850 ng
RT: 6.522 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

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

Tgt Ion: 99 Resp: 1582340
Ion Ratio Lower Upper
99 100
42 20.5 17.3 25.9
71 37.2 28.9 43.3

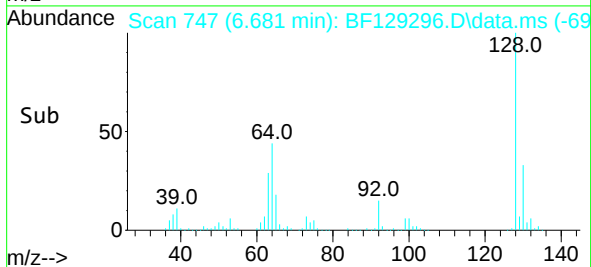
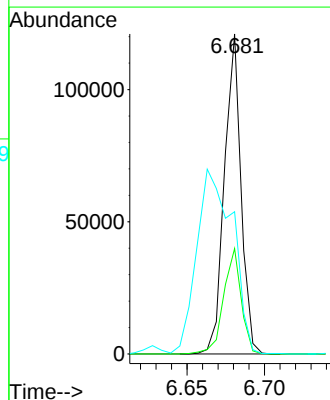
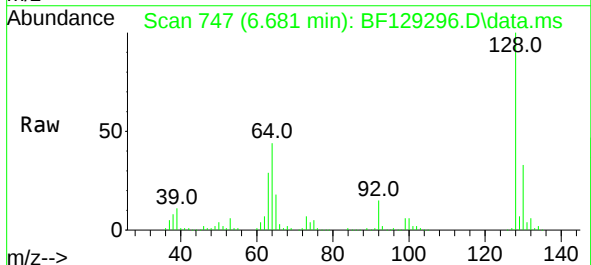
Manual Integrations
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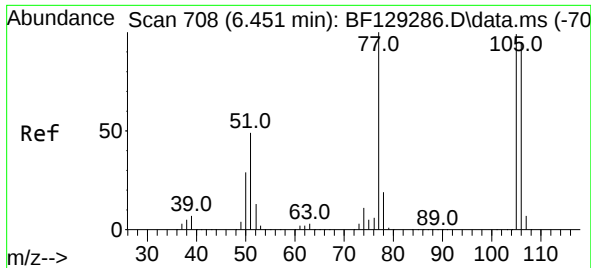
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#8
2-Chlorophenol
Concen: 7.664 ng
RT: 6.681 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

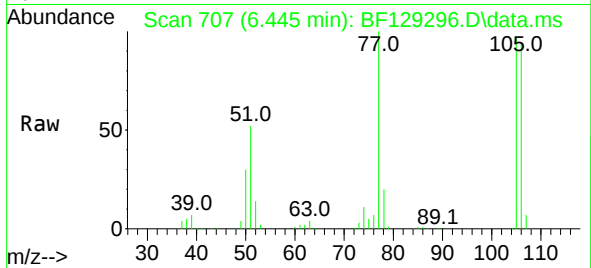
Tgt Ion:128 Resp: 90025
Ion Ratio Lower Upper
128 100
130 33.0 13.1 53.1
64 44.4 30.9 70.9





#9
Benzaldehyde
Concen: 8.145 ng
RT: 6.445 min Scan# 708
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

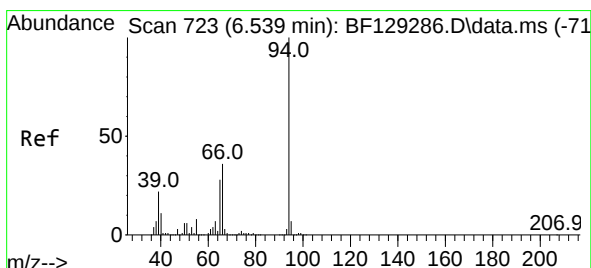
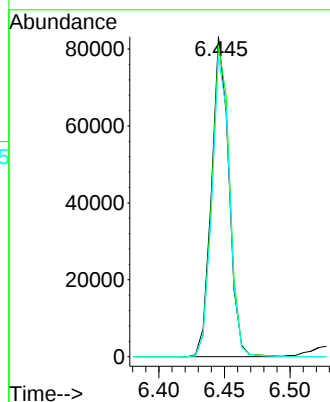
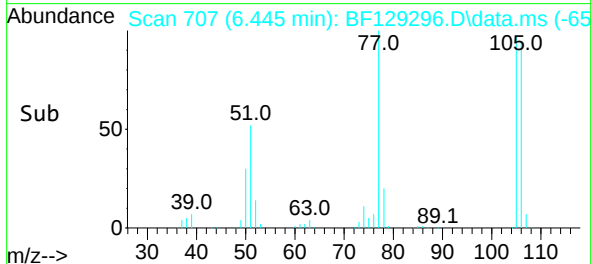
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



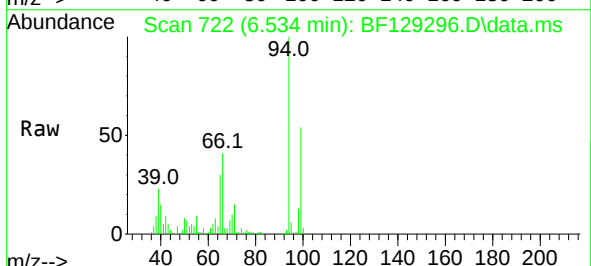
Tgt Ion: 77 Resp: 76310
Ion Ratio Lower Upper
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105 97.4 81.6 121.6
106 93.6 76.1 116.1

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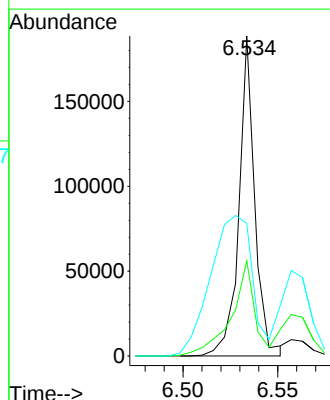
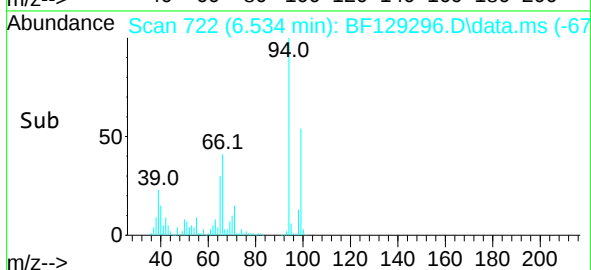
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#10
Phenol
Concen: 7.608 ng
RT: 6.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



Tgt Ion: 94 Resp: 109207
Ion Ratio Lower Upper
94 100
65 29.7 11.4 51.4
66 41.4 21.4 61.4





#11

bis(2-Chloroethyl)ether

Concen: 7.625 ng

RT: 6.628 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

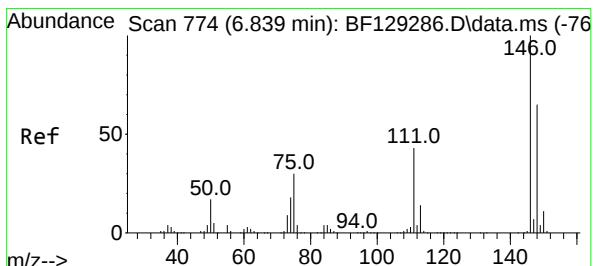
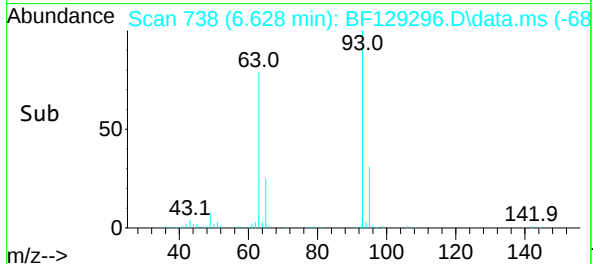
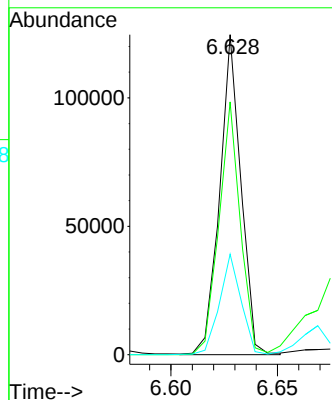
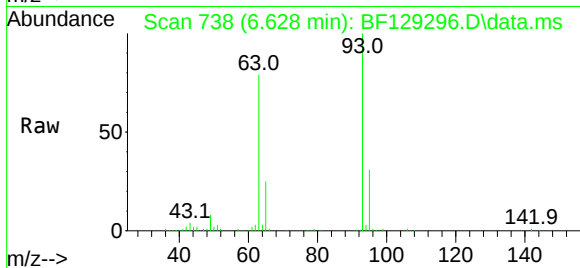
Tgt Ion: 93 Resp: 86638

Ion	Ratio	Lower	Upper
93	100		
63	79.0	67.4	107.4
95	31.4	12.7	52.7

Manual Integrations

APPROVED

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



#12

1,3-Dichlorobenzene

Concen: 7.833 ng

RT: 6.834 min Scan# 773

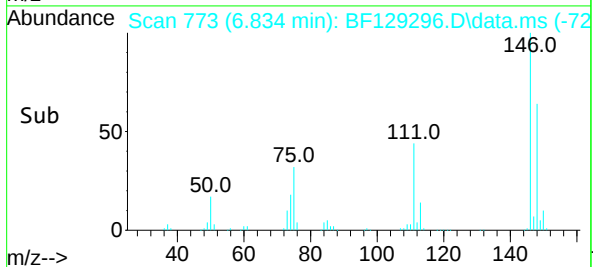
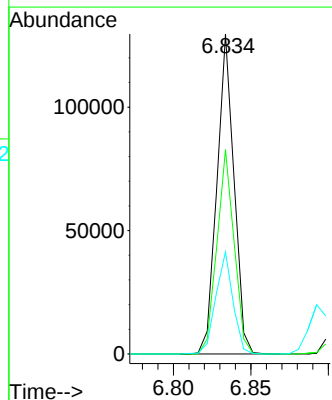
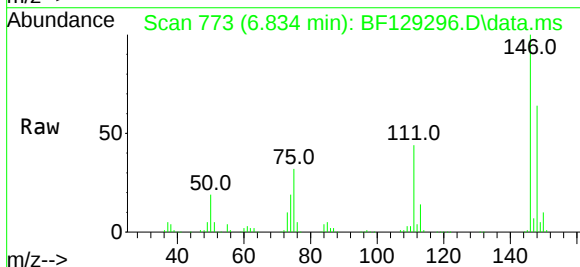
Delta R.T. -0.006 min

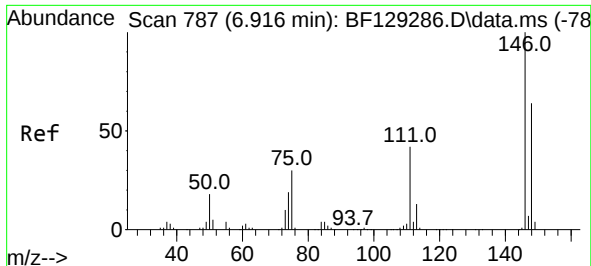
Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

Tgt Ion:146 Resp: 99165

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	75.8
75	31.9	26.3	39.5





#13

1,4-Dichlorobenzene

Concen: 7.886 ng

RT: 6.910 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:146 Resp: 101020

Ion Ratio Lower Upper

146 100

148 61.8 51.1 76.7

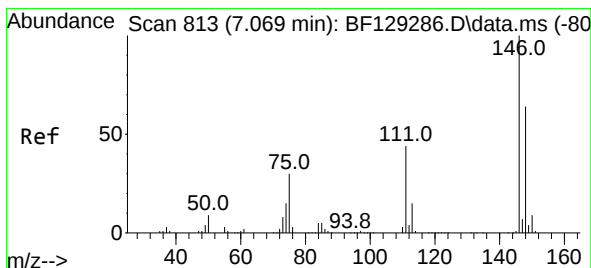
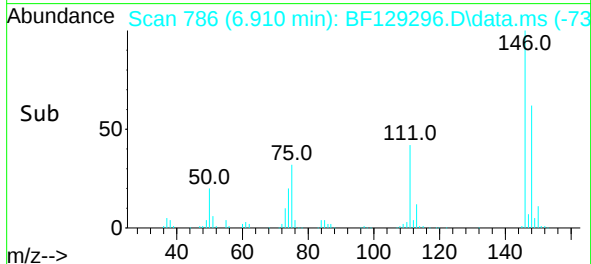
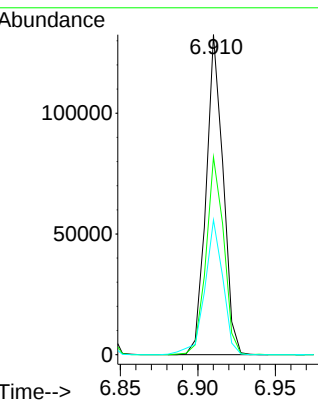
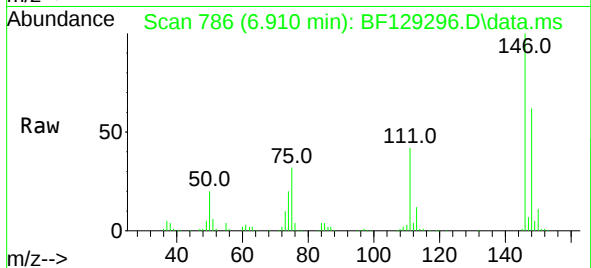
111 42.1 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#14

1,2-Dichlorobenzene

Concen: 7.935 ng

RT: 7.063 min Scan# 812

Delta R.T. -0.006 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

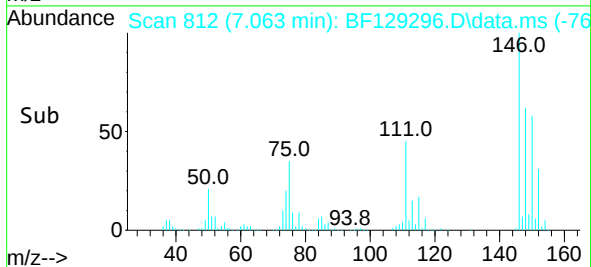
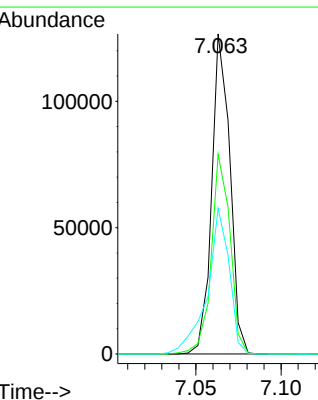
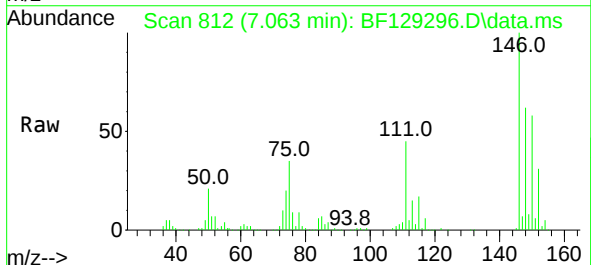
Tgt Ion:146 Resp: 93920

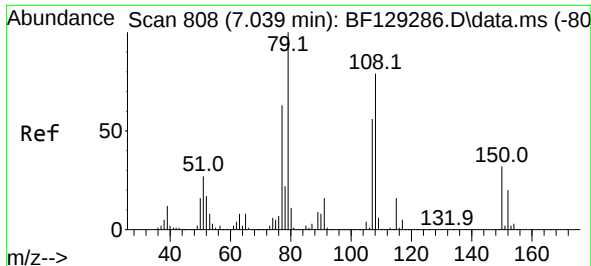
Ion Ratio Lower Upper

146 100

148 62.4 51.8 77.8

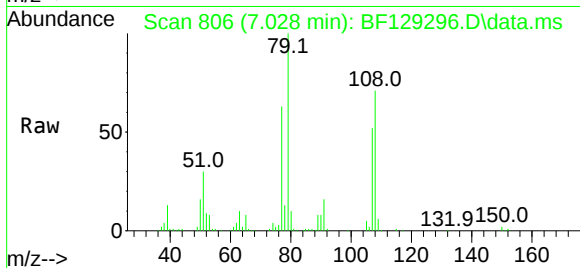
111 45.5 35.1 52.7





#15
Benzyl Alcohol
Concen: 9.210 ng
RT: 7.028 min Scan# 808
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

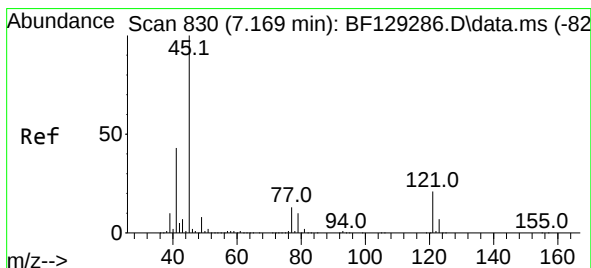
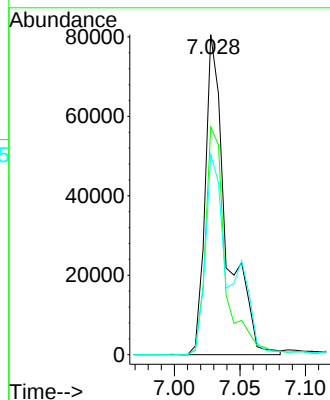
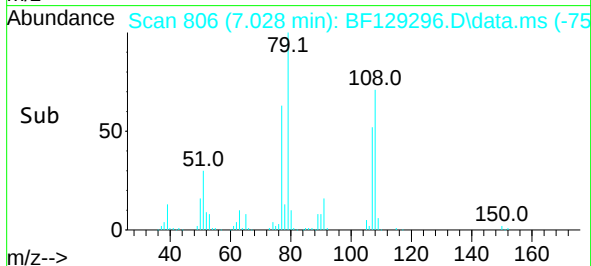
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



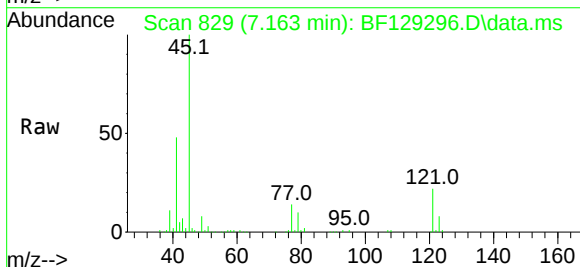
Tgt Ion: 79 Resp: 9126
Ion Ratio Lower Upper
79 100
108 71.2 61.8 92.6
77 62.5 50.2 75.4

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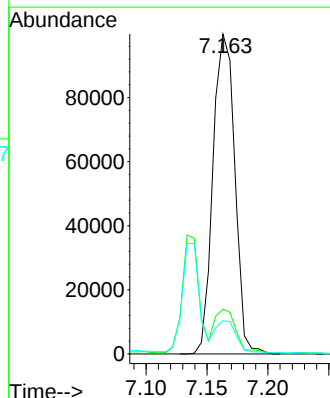
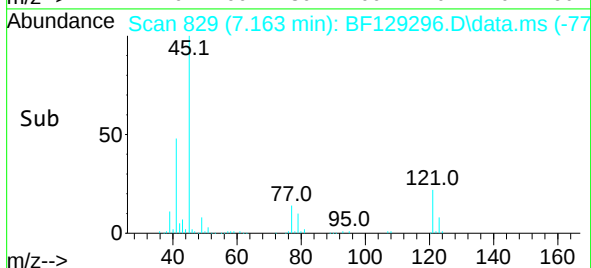
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

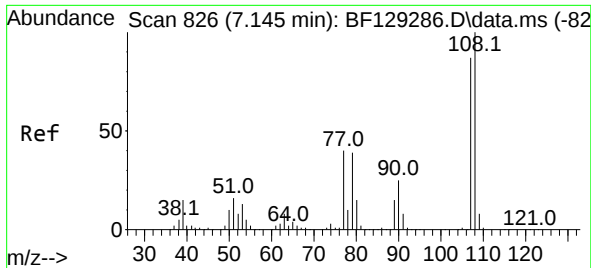


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.205 ng
RT: 7.163 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



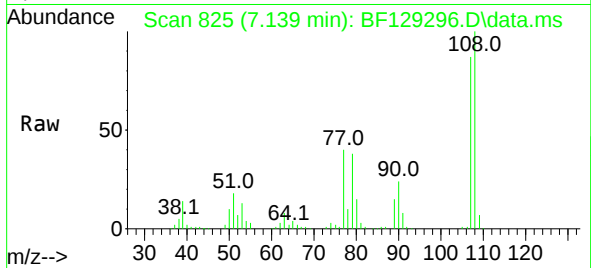
Tgt Ion: 45 Resp: 124814
Ion Ratio Lower Upper
45 100
77 14.0 0.0 31.3
79 10.4 0.0 28.3





#17
2-Methylphenol
Concen: 7.501 ng
RT: 7.139 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

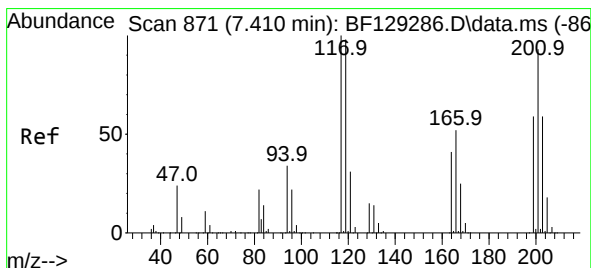
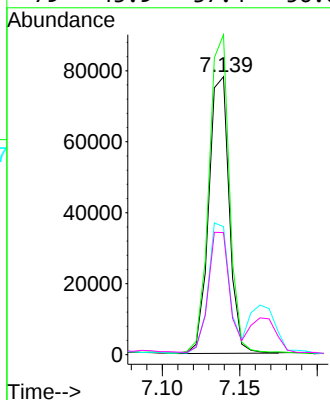
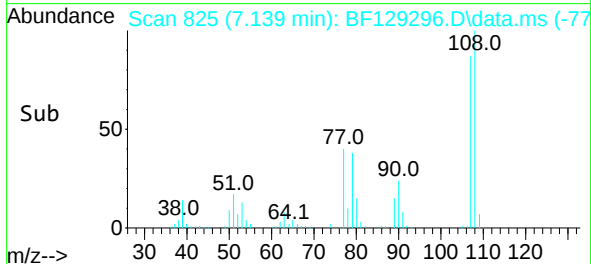
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:107 Resp: 7180
Ion Ratio Lower Upper
107 100
108 115.1 91.9 137.9
77 46.0 37.8 56.8
79 43.9 37.4 56.0

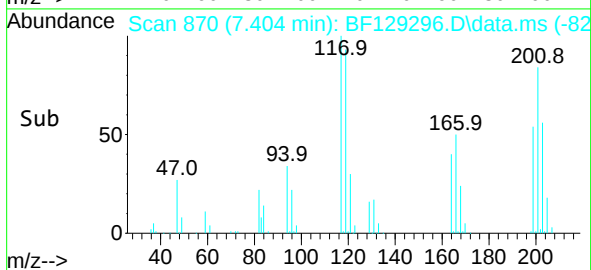
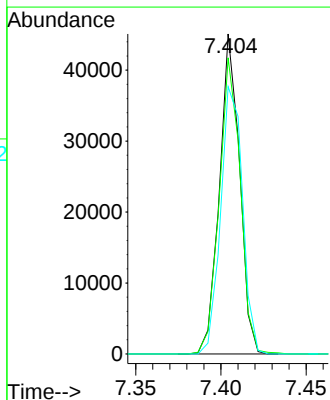
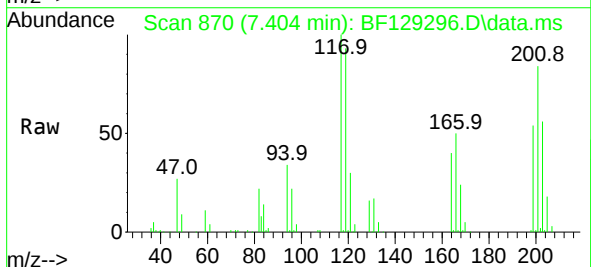
Manual Integrations
APPROVED

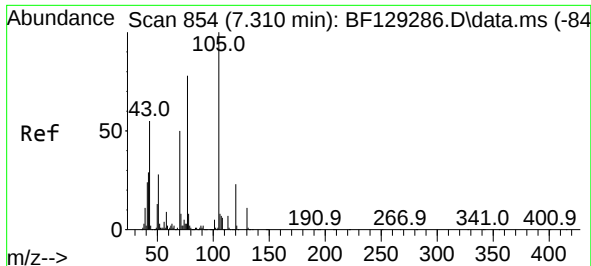
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#18
Hexachloroethane
Concen: 7.705 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

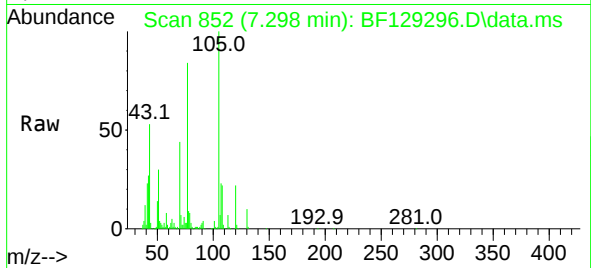
Tgt Ion:117 Resp: 37030
Ion Ratio Lower Upper
117 100
119 92.6 77.4 116.2
201 83.6 84.6 127.0#





#19
n-Nitroso-di-n-propylamine
Concen: 7.941 ng
RT: 7.298 min Scan# 851
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

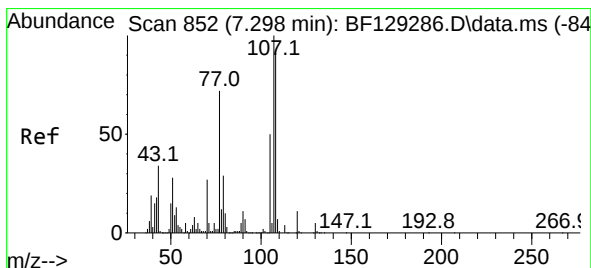
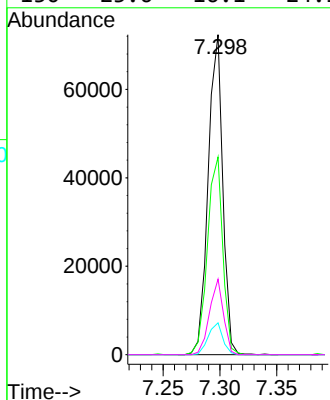
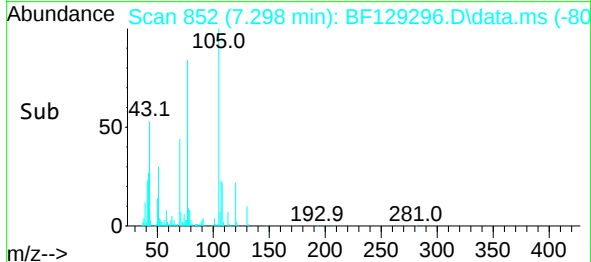
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



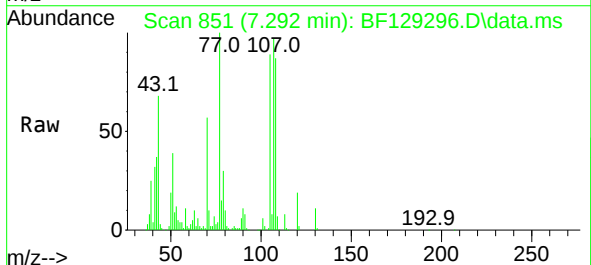
Tgt Ion: 70 Resp: 64620
Ion Ratio Lower Upper
70 100
42 61.8 52.3 78.5
101 10.0 7.5 11.3
130 23.6 16.1 24.1

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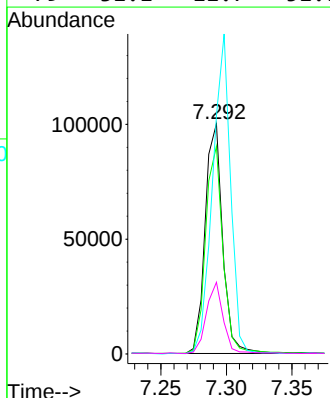
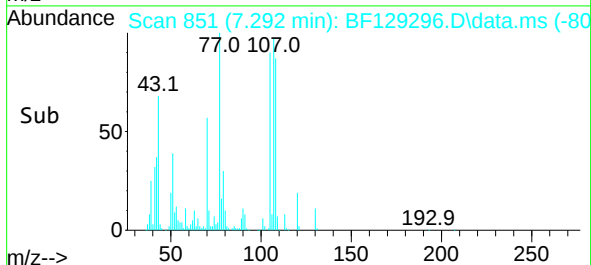
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

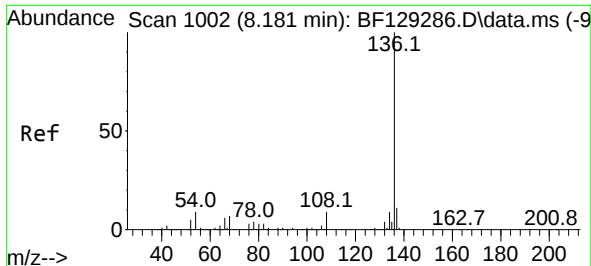


#20
3+4-Methylphenols
Concen: 7.483 ng
RT: 7.292 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



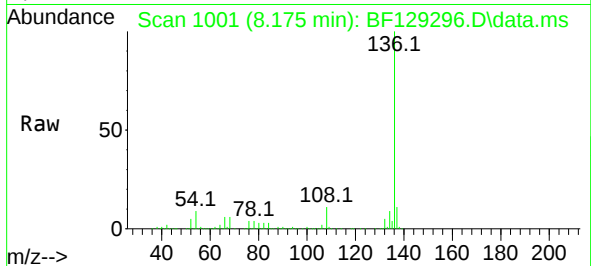
Tgt Ion:107 Resp: 93423
Ion Ratio Lower Upper
107 100
108 90.2 71.8 111.8
77 103.5 59.3 99.3#
79 31.1 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

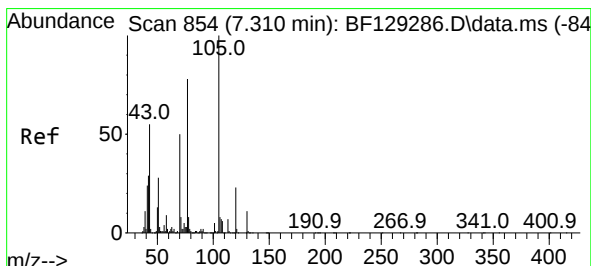
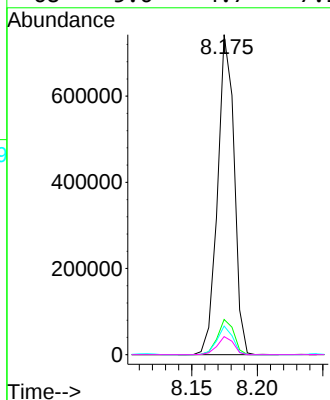
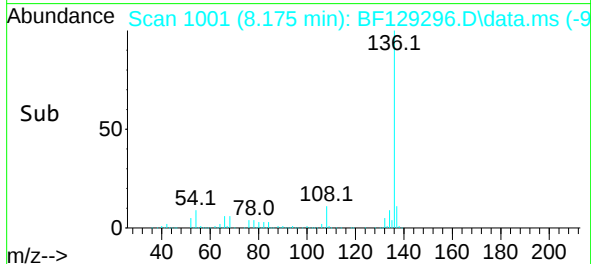
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:136 Resp: 65006
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.0 7.5 11.3
68 5.6 4.7 7.1

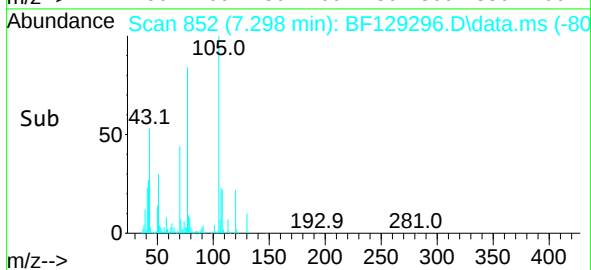
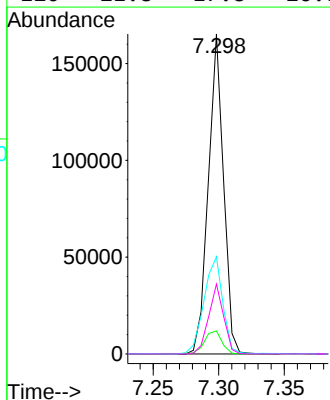
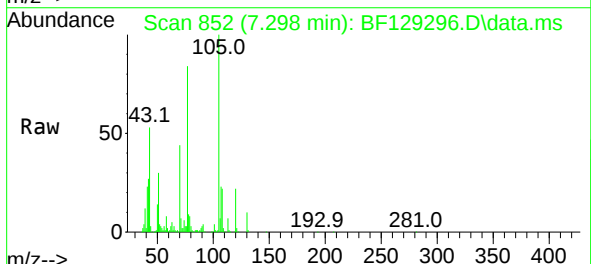
Manual Integrations
APPROVED

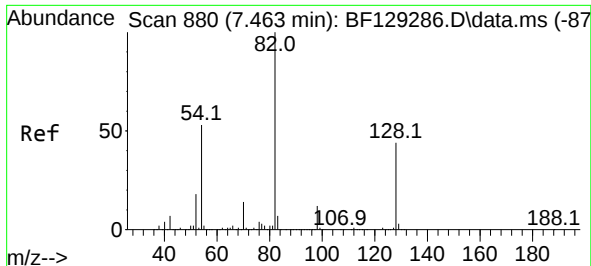
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#22
Acetophenone
Concen: 8.760 ng
RT: 7.298 min Scan# 852
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

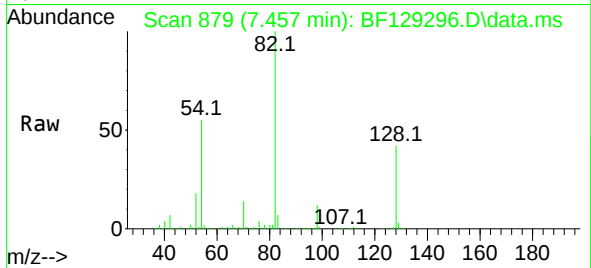
Tgt Ion:105 Resp: 133709
Ion Ratio Lower Upper
105 100
71 7.2 5.0 7.4
51 30.4 25.0 37.4
120 21.8 17.8 26.8





#23
Nitrobenzene-d5
Concen: 90.218 ng
RT: 7.457 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

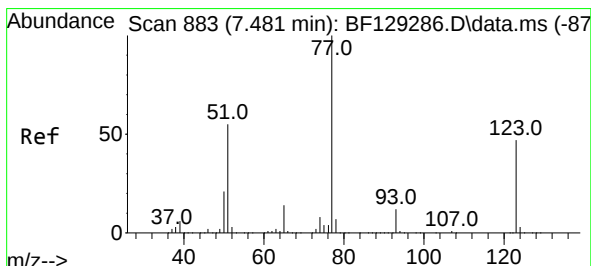
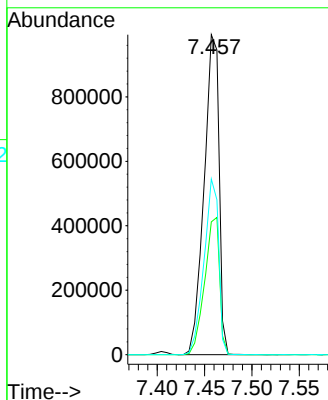
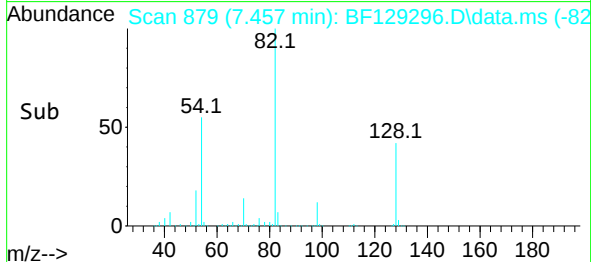
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



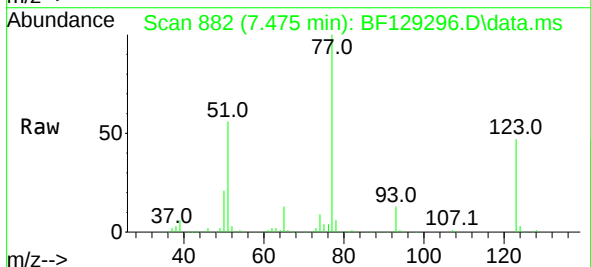
Tgt Ion: 82 Resp: 1090110
Ion Ratio Lower Upper
82 100
128 41.5 34.0 51.0
54 54.9 46.9 70.3

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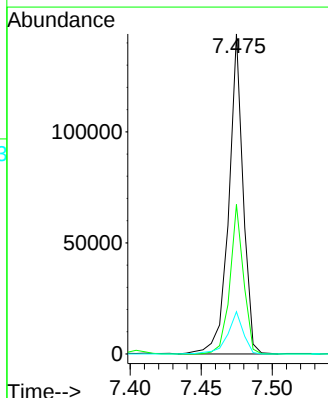
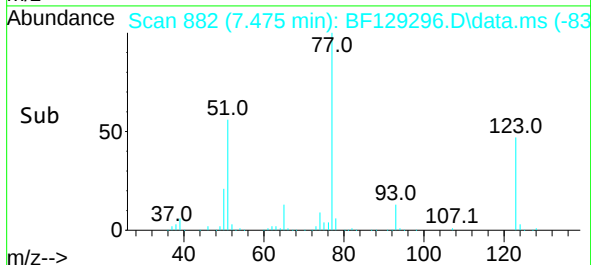
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#24
Nitrobenzene
Concen: 8.089 ng
RT: 7.475 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



Tgt Ion: 77 Resp: 100671
Ion Ratio Lower Upper
77 100
123 46.7 35.4 53.2
65 13.2 11.8 17.8





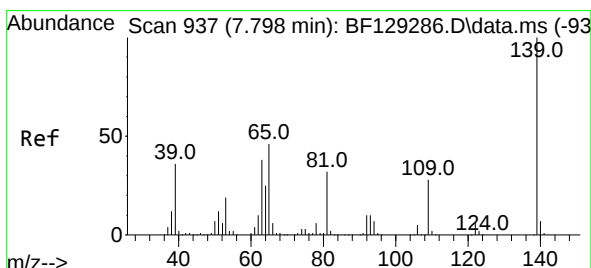
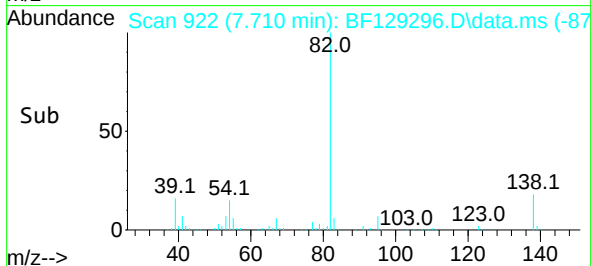
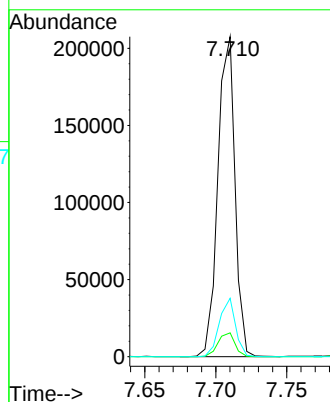
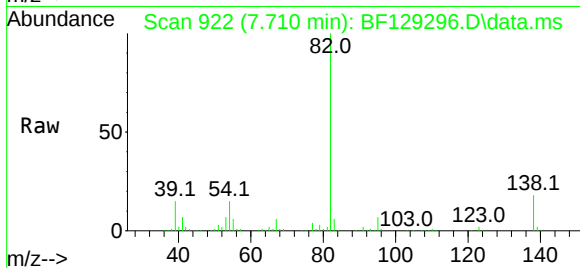
#25
Isophorone
Concen: 8.179 ng
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

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

Tgt Ion: 82 Resp: 173519
Ion Ratio Lower Upper
82 100
95 7.4 5.7 8.5
138 18.3 14.2 21.2

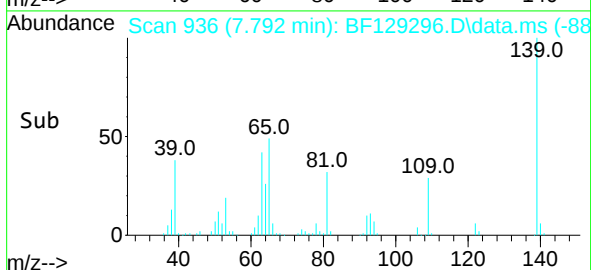
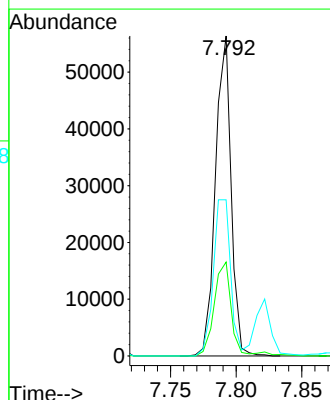
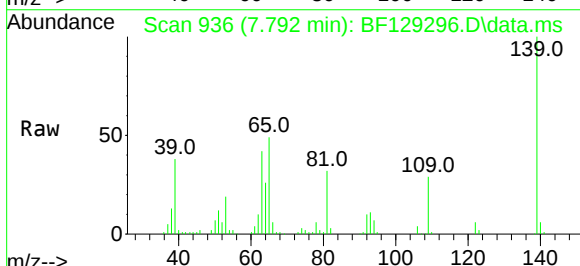
Manual Integrations
APPROVED

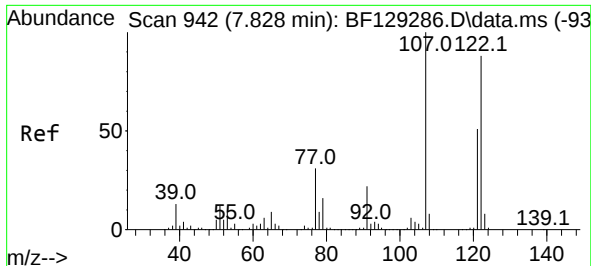
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#26
2-Nitrophenol
Concen: 7.773 ng
RT: 7.792 min Scan# 936
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

Tgt Ion:139 Resp: 46679
Ion Ratio Lower Upper
139 100
109 29.3 25.0 37.4
65 48.8 45.1 67.7





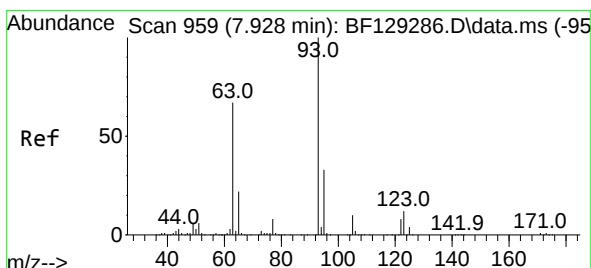
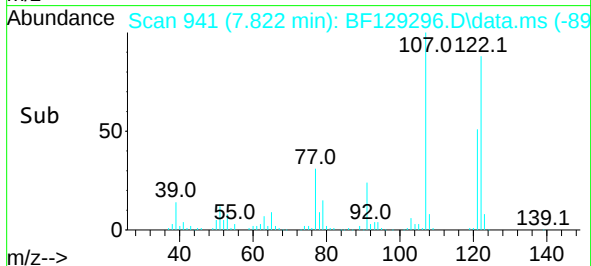
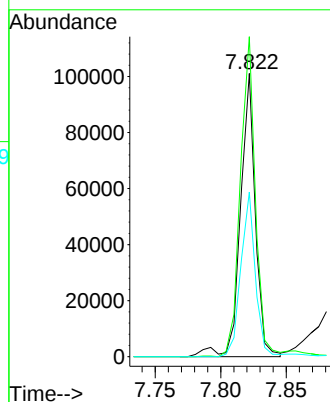
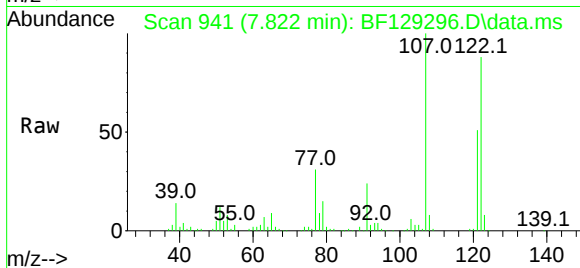
#27
2,4-Dimethylphenol
Concen: 8.876 ng
RT: 7.822 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

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

Tgt Ion:122 Resp: 8018
Ion Ratio Lower Upper
122 100
107 113.0 93.0 139.6
121 58.2 46.6 70.0

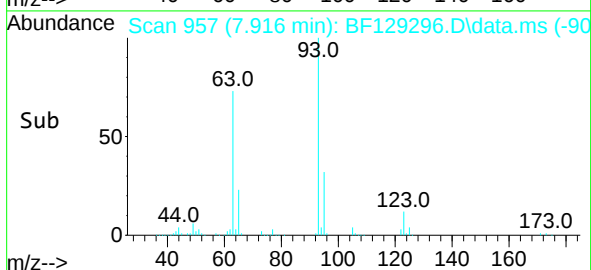
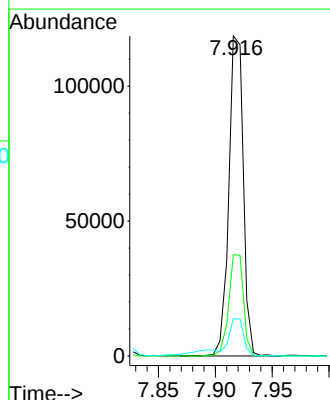
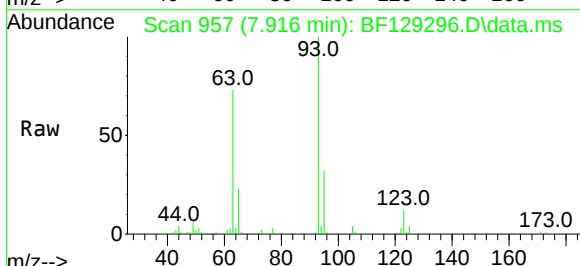
Manual Integrations
APPROVED

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



#28
bis(2-Chloroethoxy)methane
Concen: 8.581 ng
RT: 7.916 min Scan# 957
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

Tgt Ion: 93 Resp: 105452
Ion Ratio Lower Upper
93 100
95 31.7 26.8 40.2
123 11.6 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 7.861 ng

RT: 8.028 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

Instrument :

BNA_F

ClientSampleId :

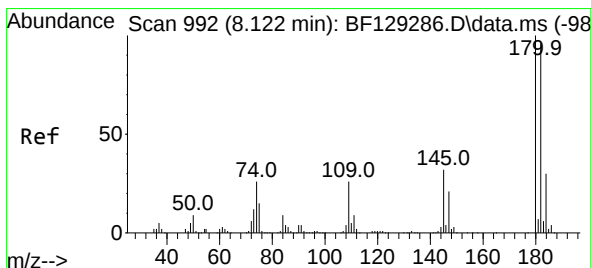
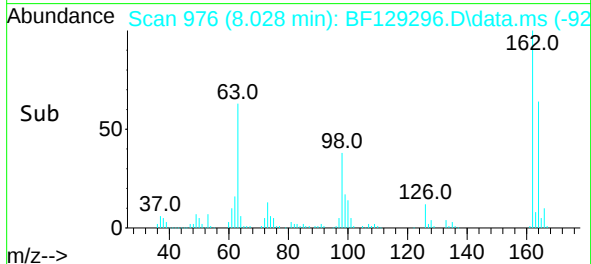
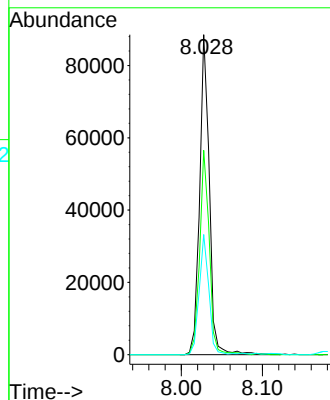
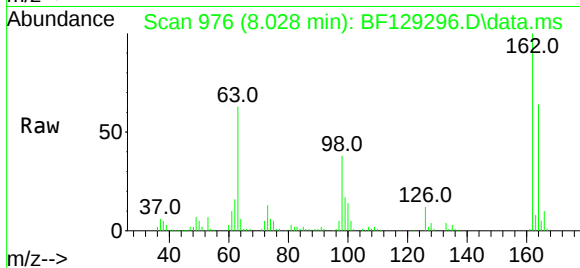
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:162 Resp: 73869
 Ion Ratio Lower Upper
 162 100
 164 63.9 44.2 84.2
 98 37.5 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: 8.369 ng

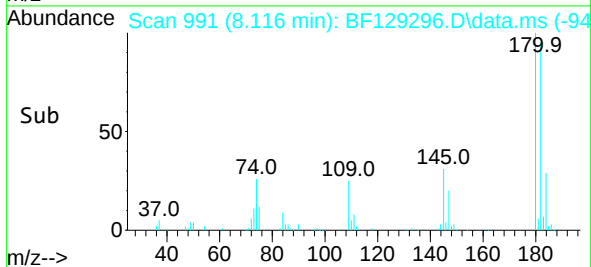
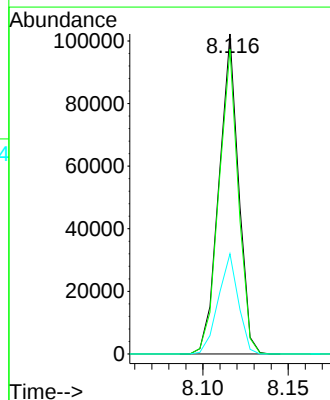
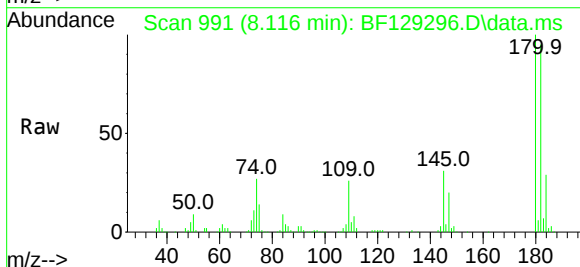
RT: 8.116 min Scan# 991

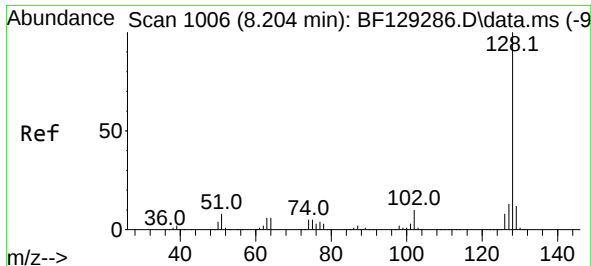
Delta R.T. -0.006 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

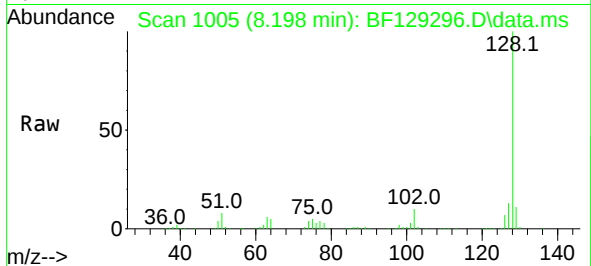
Tgt Ion:180 Resp: 81728
 Ion Ratio Lower Upper
 180 100
 182 95.2 79.2 118.8
 145 31.3 26.2 39.2





#31
Naphthalene
Concen: 8.112 ng
RT: 8.198 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

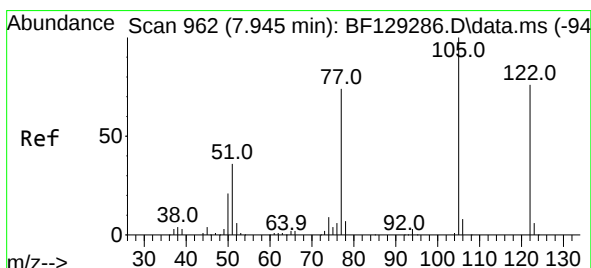
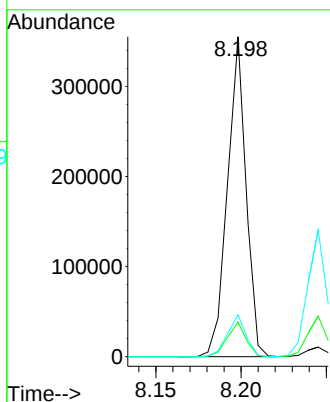
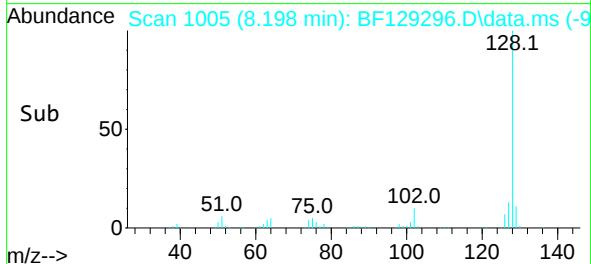
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:128 Resp: 270460
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.1 10.5 15.7

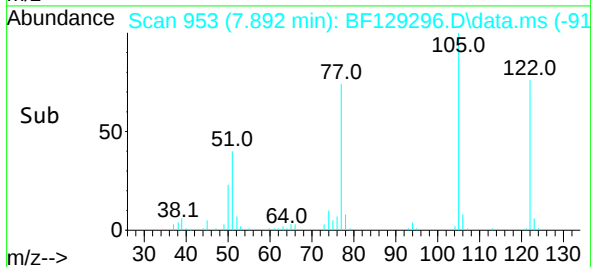
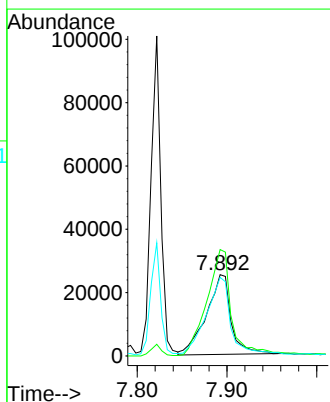
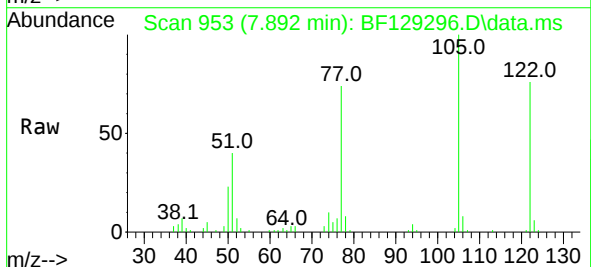
Manual Integrations
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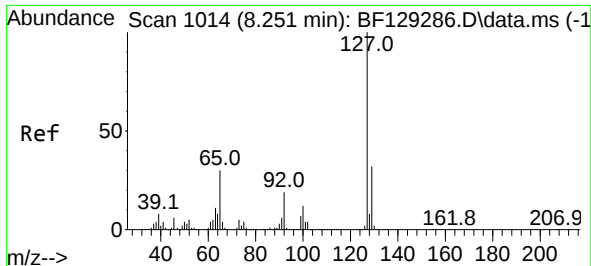
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#32
Benzoic acid
Concen: 7.299 ng
RT: 7.892 min Scan# 953
Delta R.T. -0.053 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

Tgt Ion:122 Resp: 48198
Ion Ratio Lower Upper
122 100
105 130.8 107.1 147.1
77 96.5 74.2 114.2





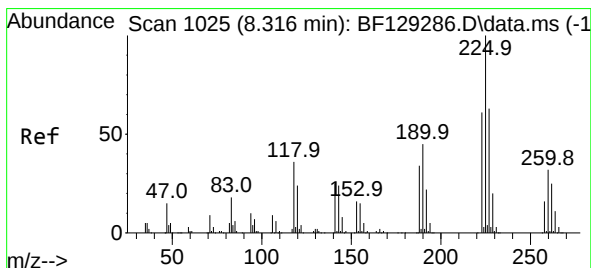
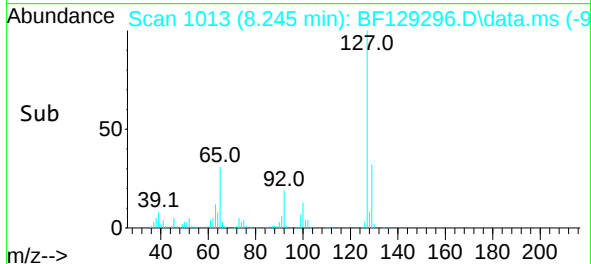
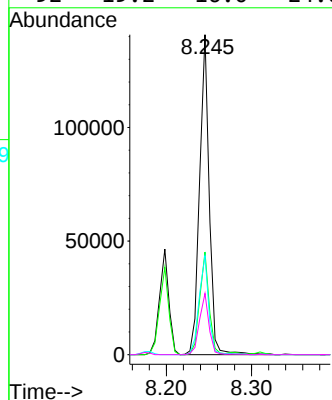
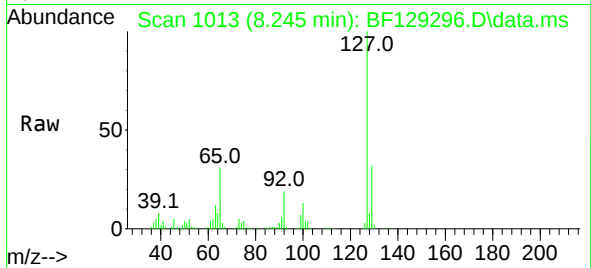
#33
4-Chloroaniline
Concen: 8.174 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

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

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.4	39.6
65	30.9	26.4	39.6
92	19.2	16.0	24.0

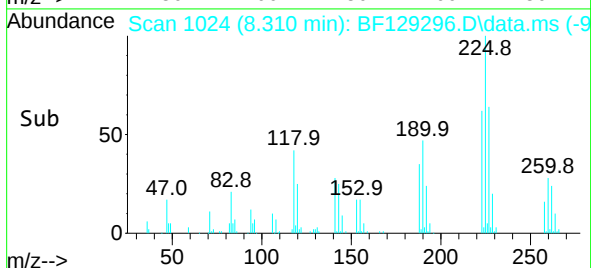
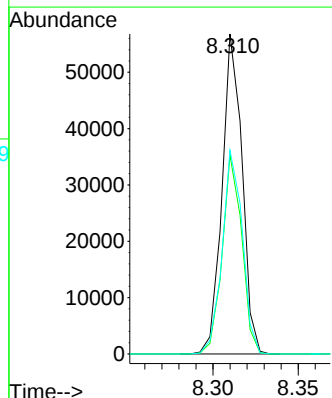
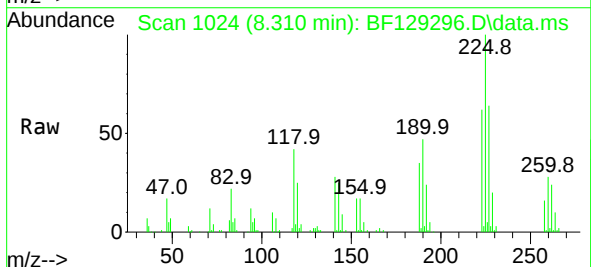
Manual Integrations
APPROVED

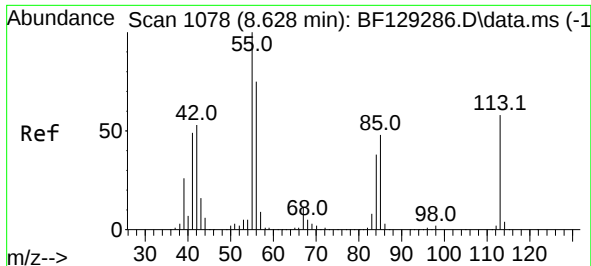
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#34
Hexachlorobutadiene
Concen: 8.292 ng
RT: 8.310 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

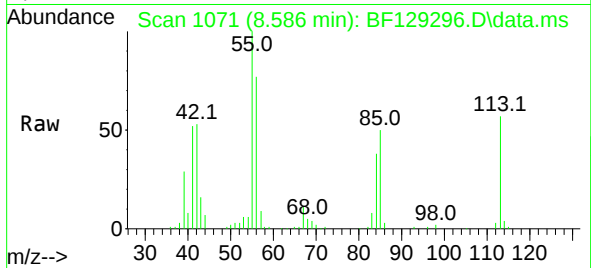
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	51.0	76.6
227	63.7	51.1	76.7





#35
 Caprolactam
 Concen: 7.402 ng
 RT: 8.586 min Scan# 1078
 Delta R.T. -0.041 min
 Lab File: BF129296.D
 Acq: 21 Jul 2022 14:18

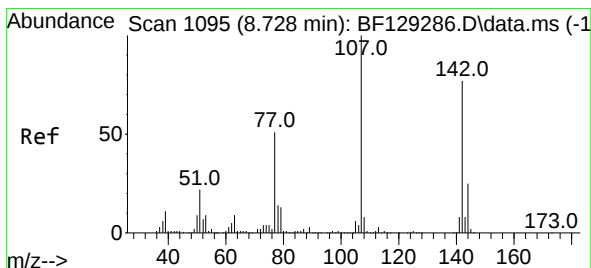
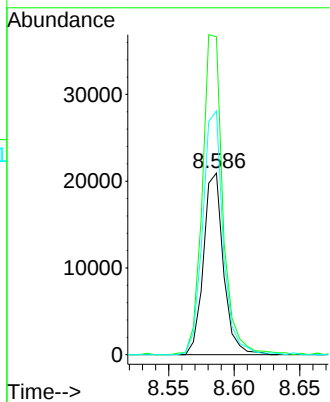
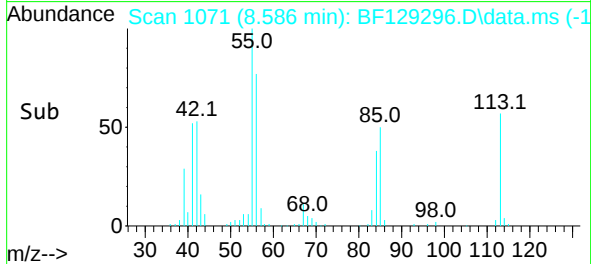
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:113 Resp: 2218
 Ion Ratio Lower Upper
 113 100
 55 175.0 188.5 228.5
 56 134.3 130.6 170.6

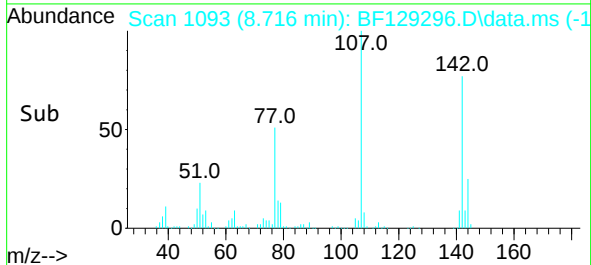
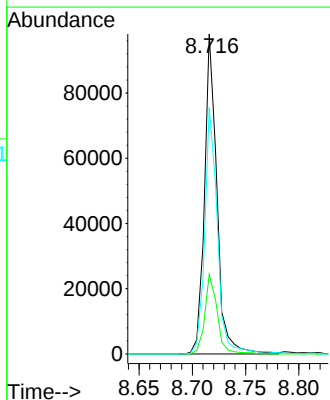
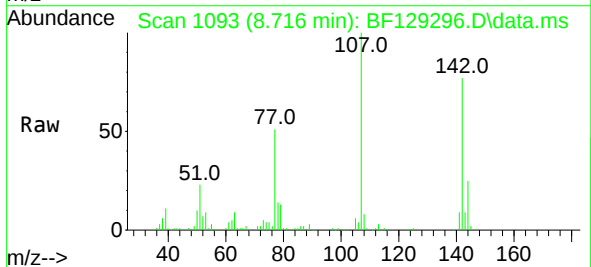
Manual Integrations
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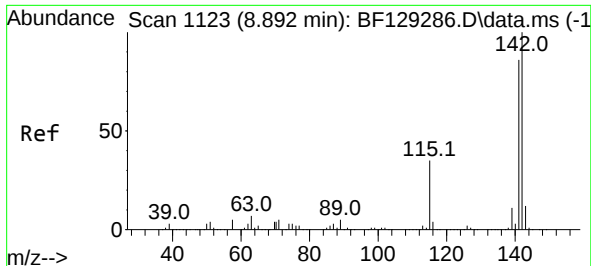
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022



#36
 4-Chloro-3-methylphenol
 Concen: 7.993 ng
 RT: 8.716 min Scan# 1093
 Delta R.T. -0.012 min
 Lab File: BF129296.D
 Acq: 21 Jul 2022 14:18

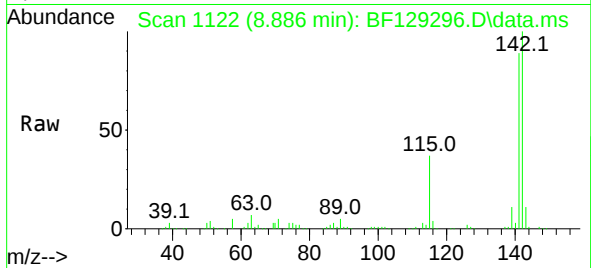
Tgt Ion:107 Resp: 79795
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.5 29.3
 142 77.0 58.2 87.4





#37
2-Methylnaphthalene
Concen: 8.027 ng
RT: 8.886 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

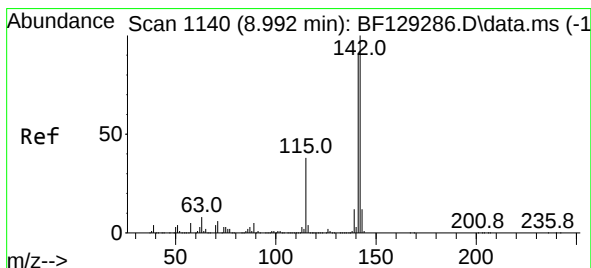
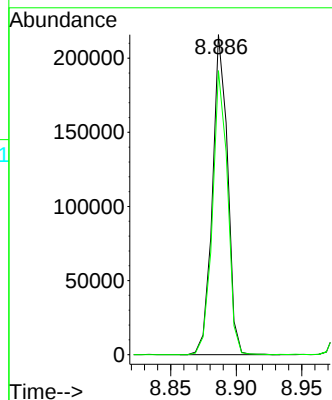
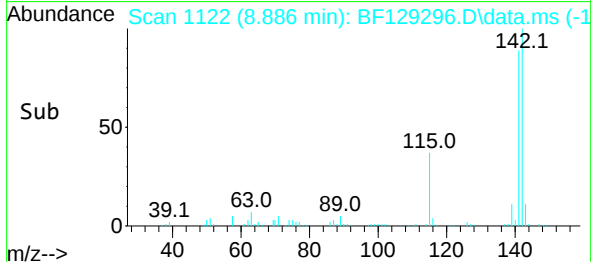
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:142 Resp: 173415
Ion Ratio Lower Upper
142 100
141 88.7 71.0 106.4

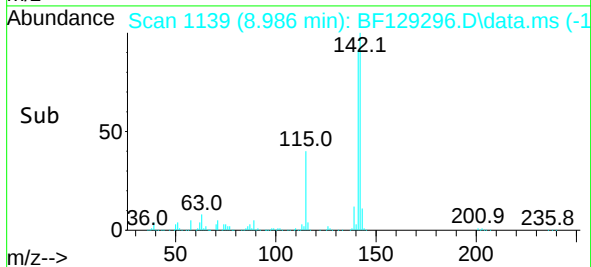
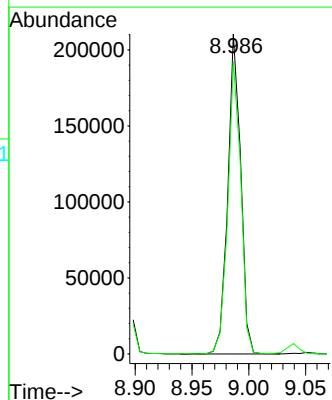
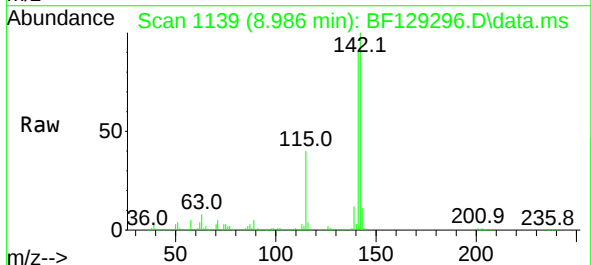
Manual Integrations
APPROVED

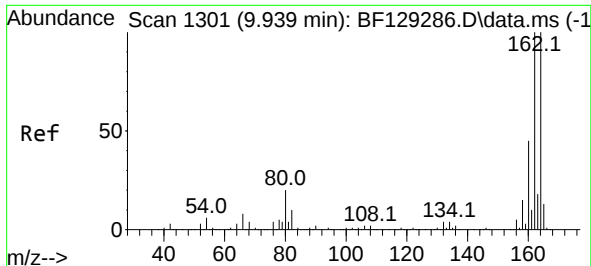
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#38
1-Methylnaphthalene
Concen: 7.968 ng
RT: 8.986 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

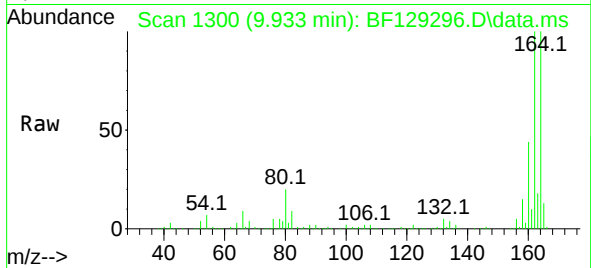
Tgt Ion:142 Resp: 166548
Ion Ratio Lower Upper
142 100
141 91.3 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

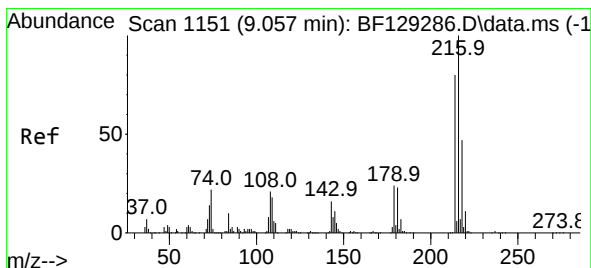
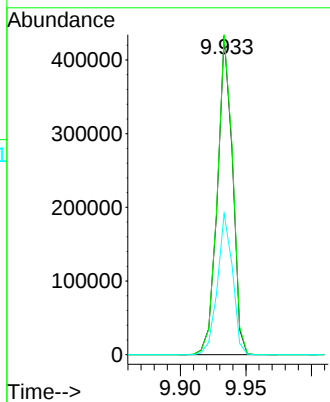
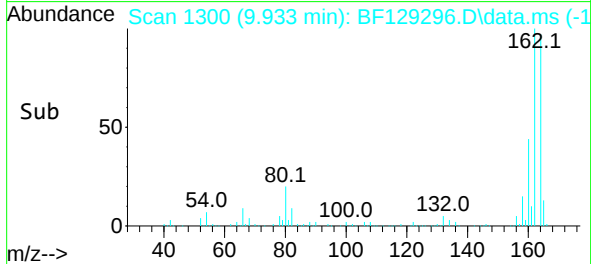
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



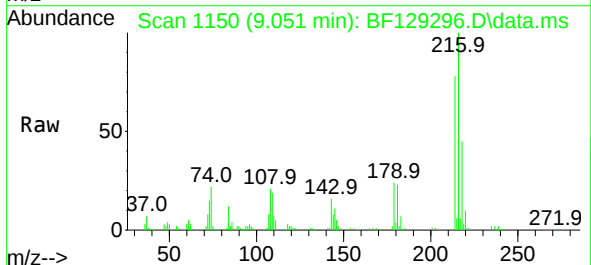
Tgt Ion:164 Resp: 345429
Ion Ratio Lower Upper
164 100
162 100.4 79.5 119.3
160 44.3 34.2 51.4

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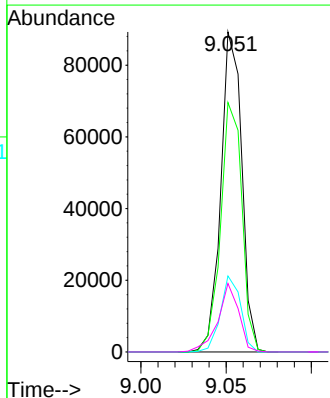
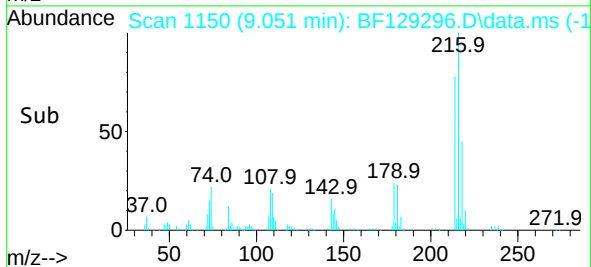
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.410 ng
RT: 9.051 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



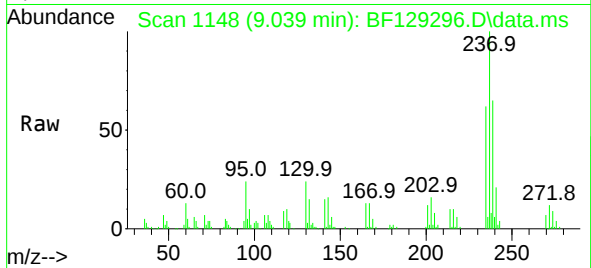
Tgt Ion:216 Resp: 76268
Ion Ratio Lower Upper
216 100
214 79.3 63.6 95.4
179 23.0 17.0 25.6
108 21.3 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 8.237 ng
RT: 9.039 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

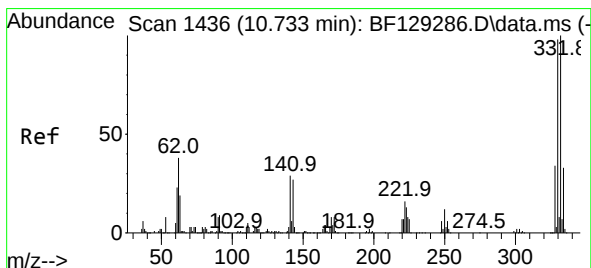
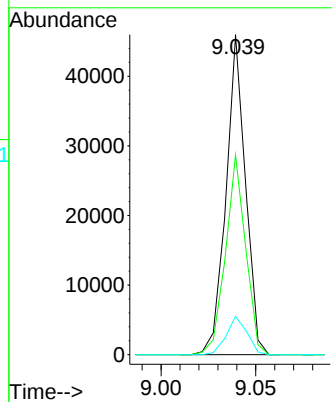
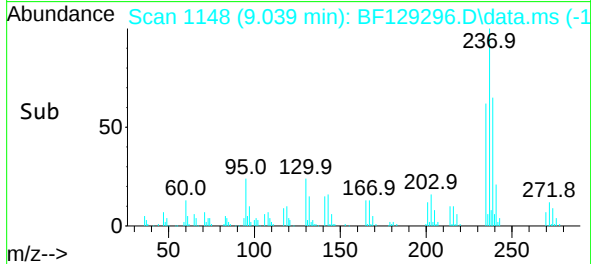
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



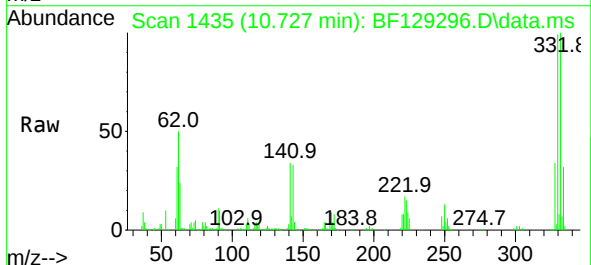
Tgt Ion:237 Resp: 32920
Ion Ratio Lower Upper
237 100
235 62.4 43.2 83.2
272 12.0 0.0 31.9

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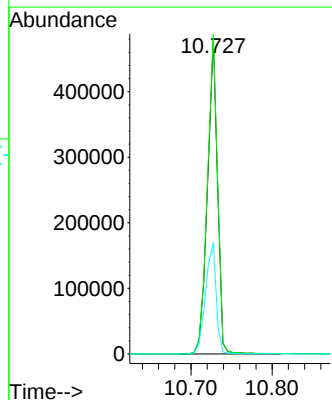
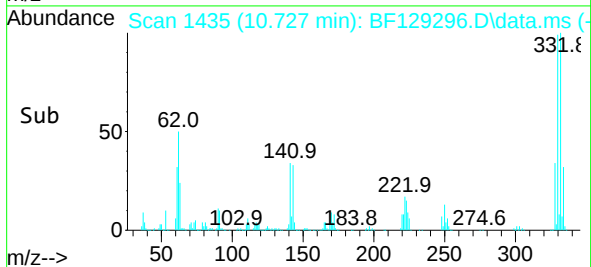
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

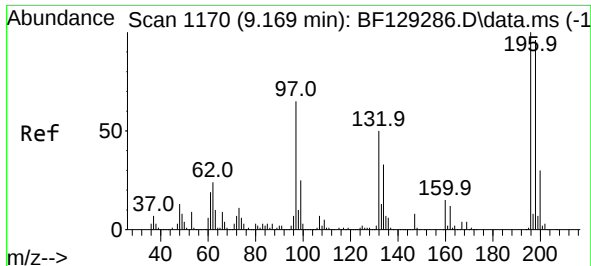


#42
2,4,6-Tribromophenol
Concen: 124.504 ng
RT: 10.727 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



Tgt Ion:330 Resp: 414927
Ion Ratio Lower Upper
330 100
332 102.4 76.8 115.2
141 37.4 28.0 42.0





#43

2,4,6-Trichlorophenol

Concen: 7.525 ng

RT: 9.163 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF129296.D

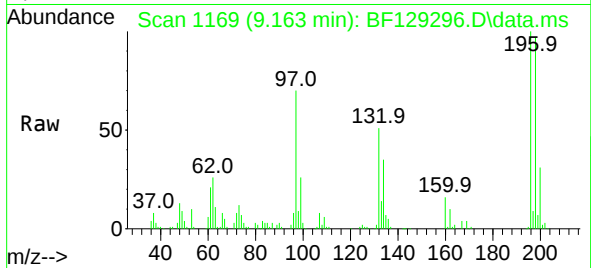
Acq: 21 Jul 2022 14:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:196 Resp: 4986

Ion Ratio Lower Upper

196 100

198 97.2 74.0 111.0

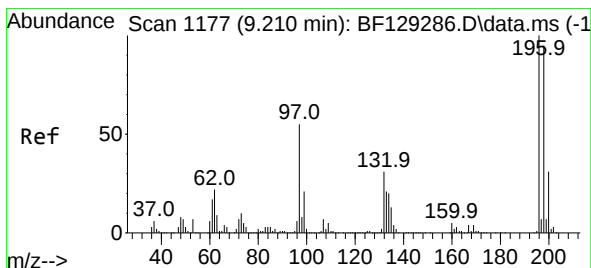
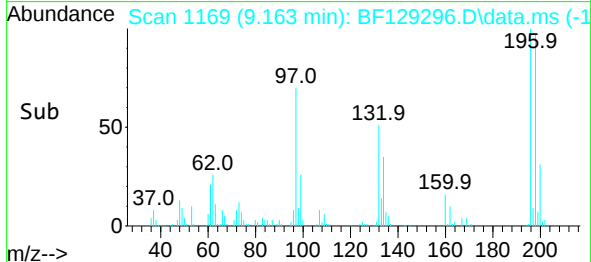
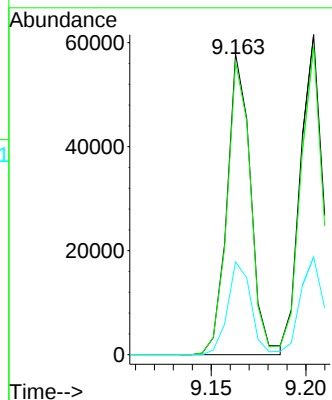
200 30.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#44

2,4,5-Trichlorophenol

Concen: 7.271 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

Tgt Ion:196 Resp: 52272

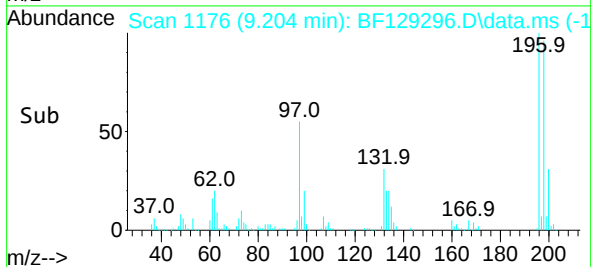
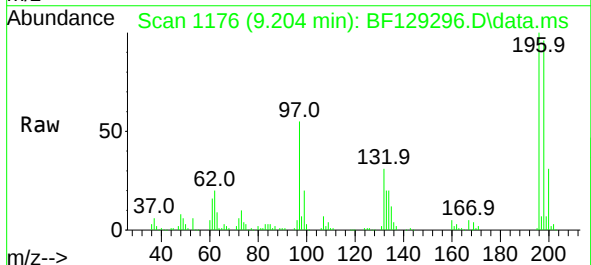
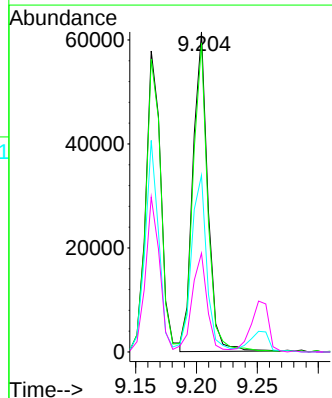
Ion Ratio Lower Upper

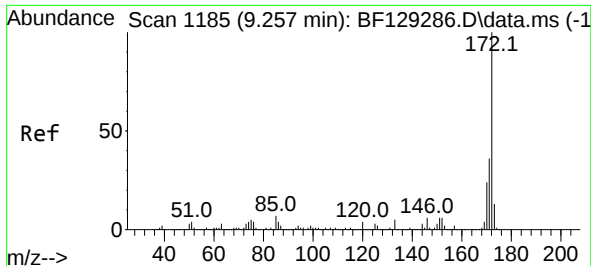
196 100

198 96.5 75.7 113.5

97 55.2 36.4 54.6#

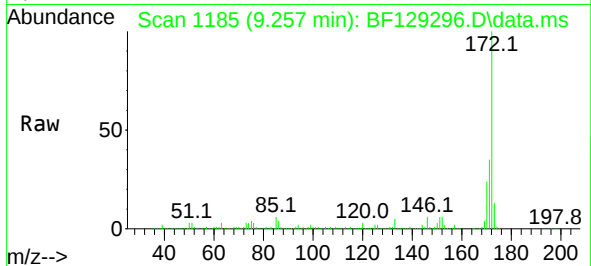
132 30.9 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 82.398 ng
RT: 9.257 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

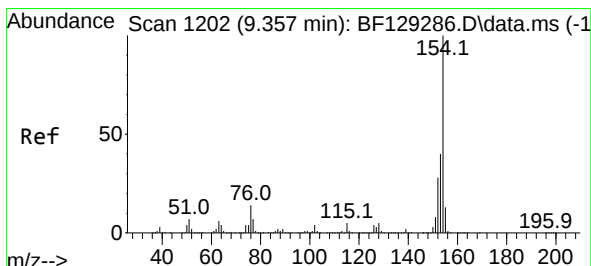
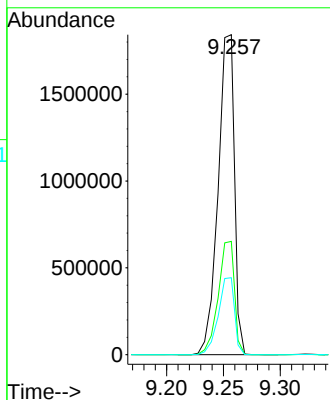
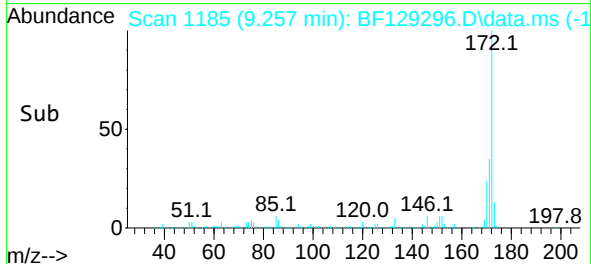
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:172 Resp: 185018
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.1 19.8 29.8

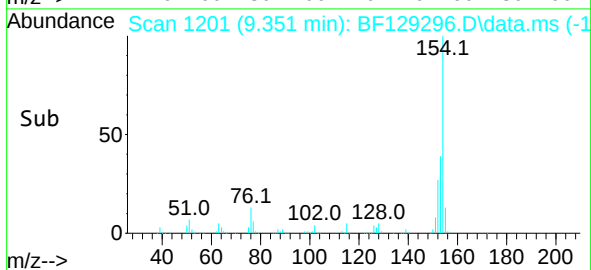
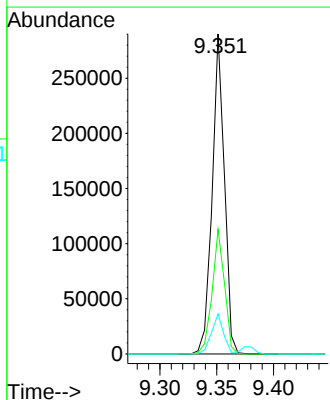
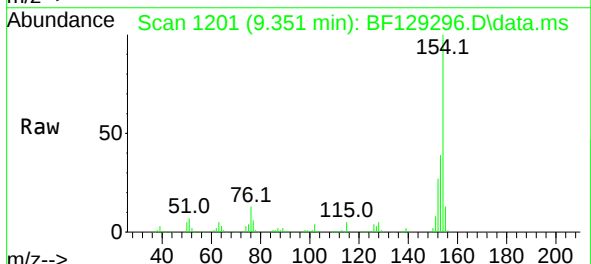
Manual Integrations
APPROVED

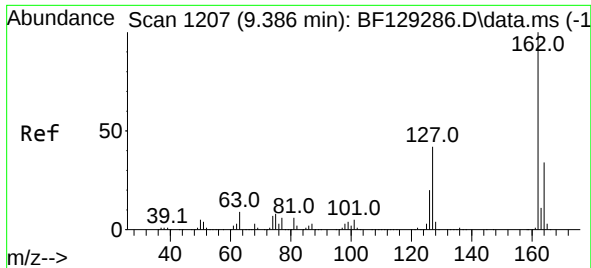
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#46
1,1'-Biphenyl
Concen: 8.480 ng
RT: 9.351 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

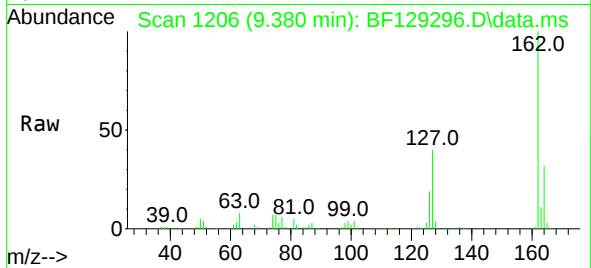
Tgt Ion:154 Resp: 216449
Ion Ratio Lower Upper
154 100
153 39.0 20.6 60.6
76 12.5 0.0 33.3





#47
2-Chloronaphthalene
Concen: 8.232 ng
RT: 9.380 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

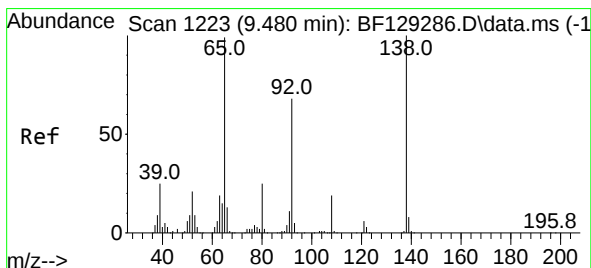
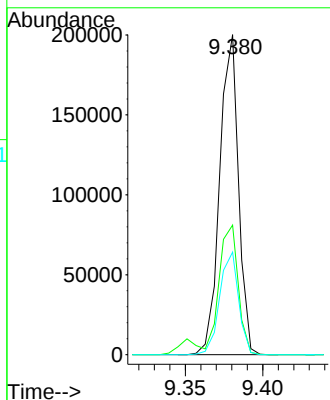
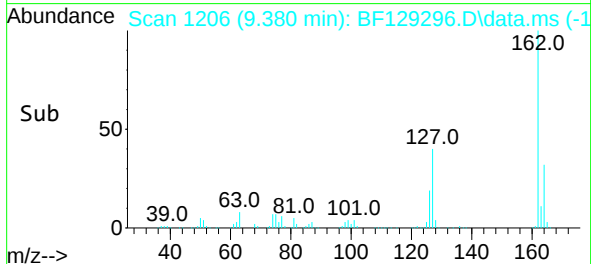
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:162 Resp: 16830
Ion Ratio Lower Upper
162 100
127 40.5 34.5 51.7
164 32.0 26.5 39.7

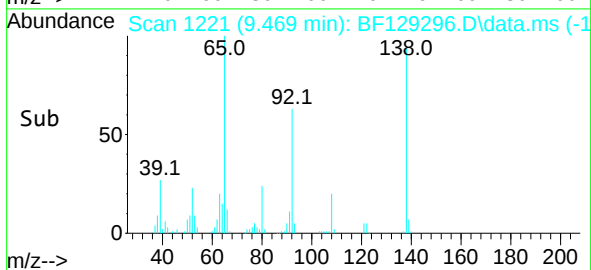
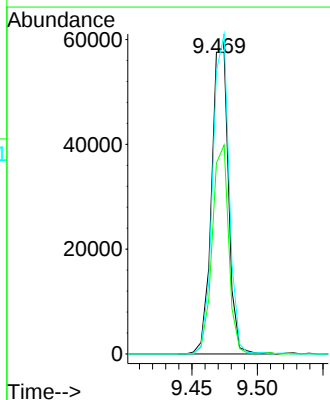
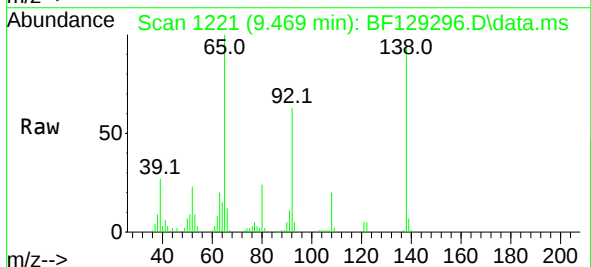
Manual Integrations
APPROVED

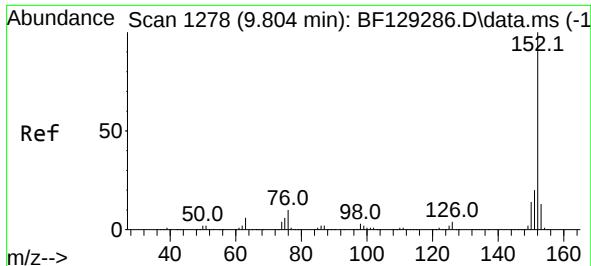
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#48
2-Nitroaniline
Concen: 7.642 ng
RT: 9.469 min Scan# 1221
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

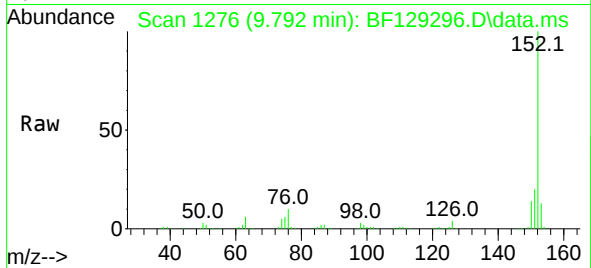
Tgt Ion: 65 Resp: 52476
Ion Ratio Lower Upper
65 100
92 63.3 51.9 77.9
138 93.7 76.4 114.6





#49
Acenaphthylene
Concen: 8.557 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

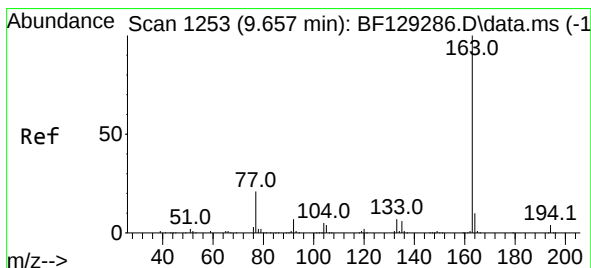
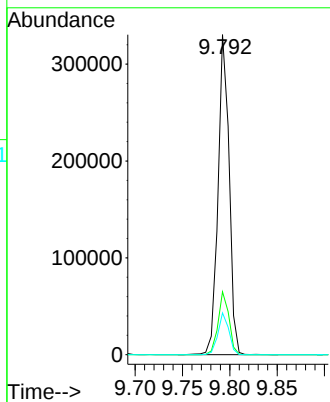
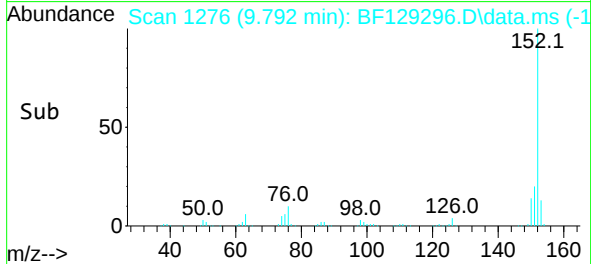
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



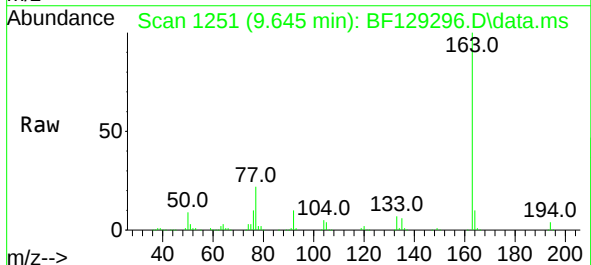
Tgt Ion:152 Resp: 26867
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.4
153 13.1 10.7 16.1

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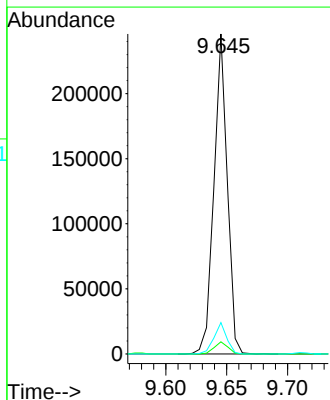
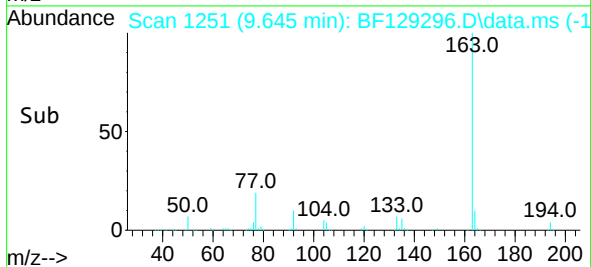
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

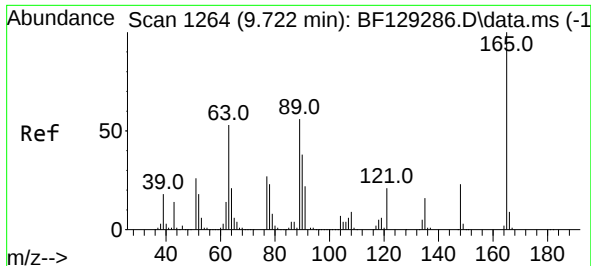


#50
Dimethylphthalate
Concen: 7.864 ng
RT: 9.645 min Scan# 1251
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



Tgt Ion:163 Resp: 186620
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.8 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 7.548 ng

RT: 9.710 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

Instrument :

BNA_F

ClientSampleId :

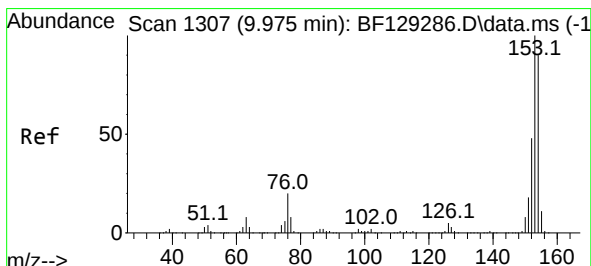
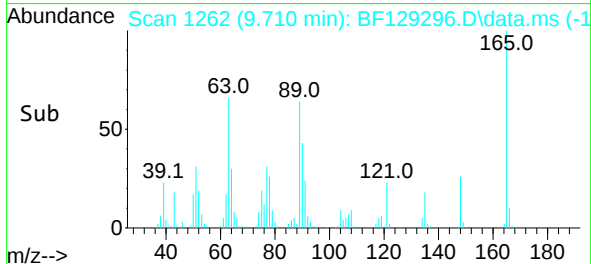
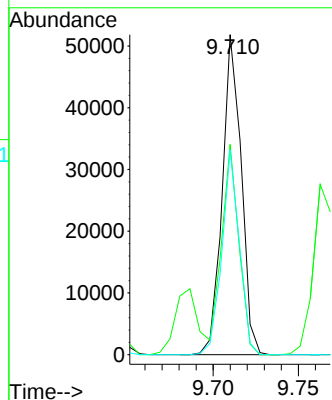
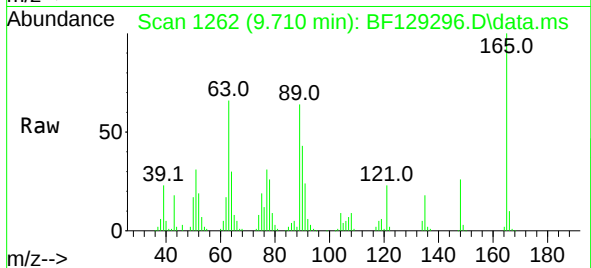
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:165	Resp:	40108
Ion Ratio	Lower	Upper
165	100	
63	65.7	44.9 67.3
89	64.0	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: 8.158 ng

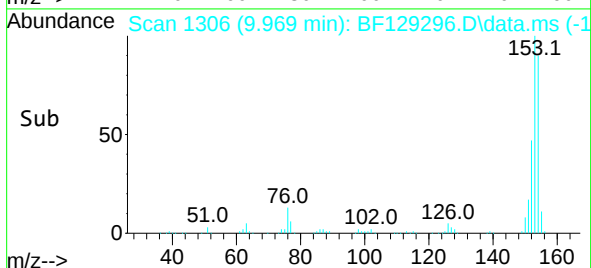
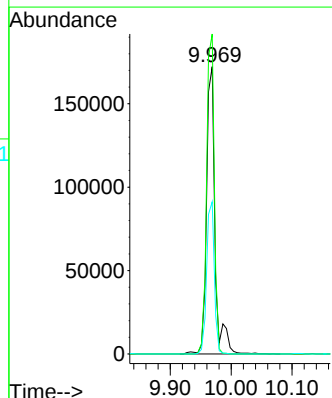
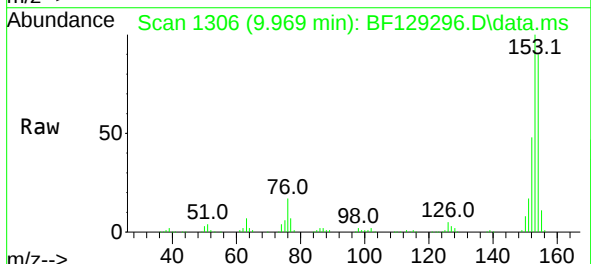
RT: 9.969 min Scan# 1306

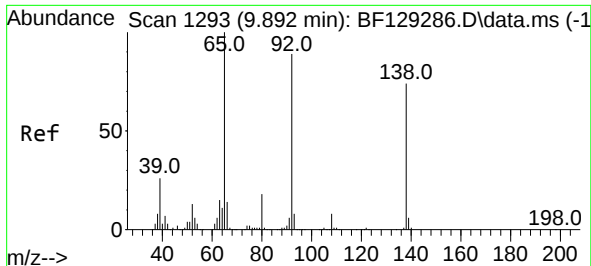
Delta R.T. -0.006 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

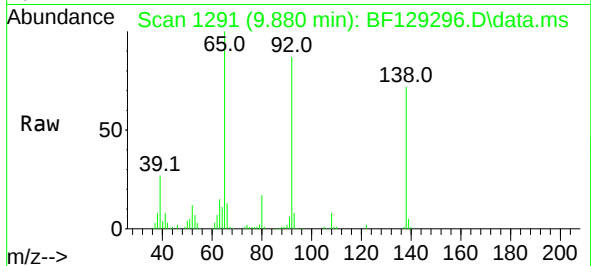
Tgt Ion:154	Resp:	166225
Ion Ratio	Lower	Upper
154	100	
153	111.4	89.6 134.4
152	53.0	42.4 63.6





#53
3-Nitroaniline
Concen: 7.078 ng
RT: 9.880 min Scan# 110
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

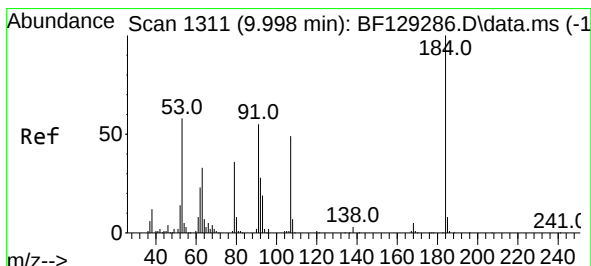
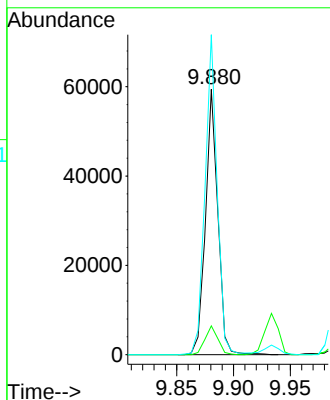
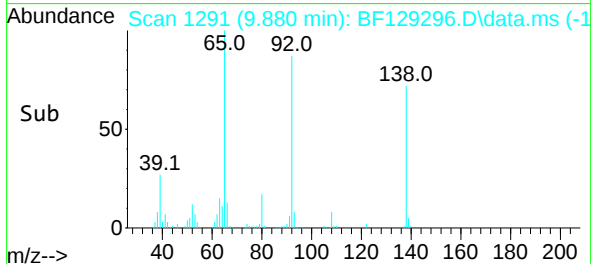
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:138 Resp: 44754
Ion Ratio Lower Upper
138 100
108 10.8 10.9 16.3
92 120.5 98.2 147.2

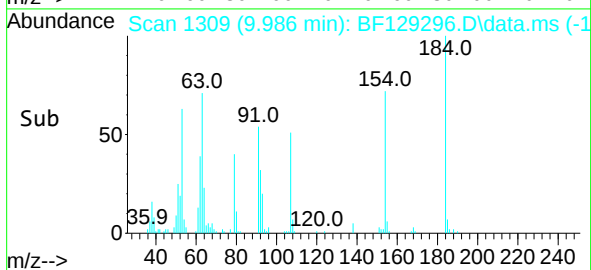
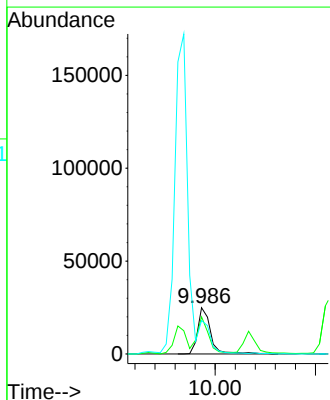
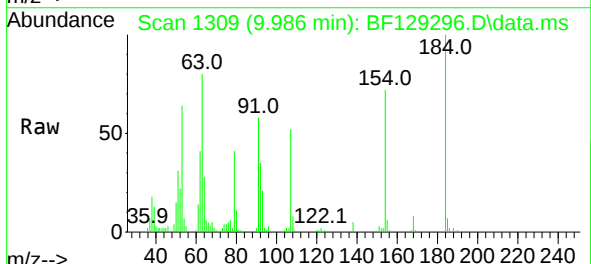
Manual Integrations
APPROVED

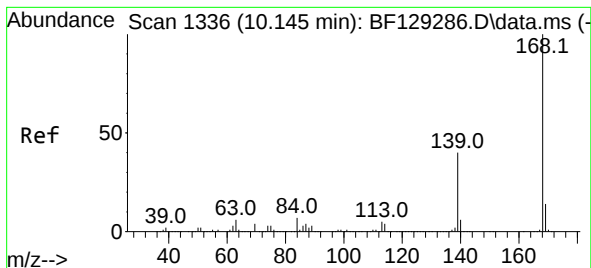
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#54
2,4-Dinitrophenol
Concen: 8.299 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

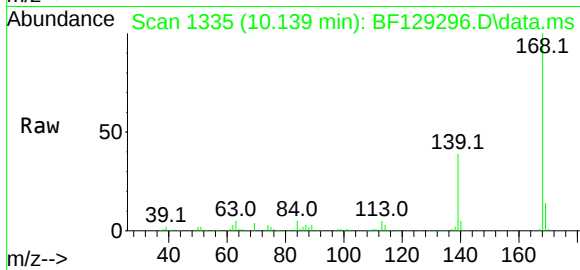
Tgt Ion:184 Resp: 22314
Ion Ratio Lower Upper
184 100
63 80.4 64.5 96.7
154 72.3 50.6 75.8





#55
Dibenzenofuran
Concen: 8.286 ng
RT: 10.139 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

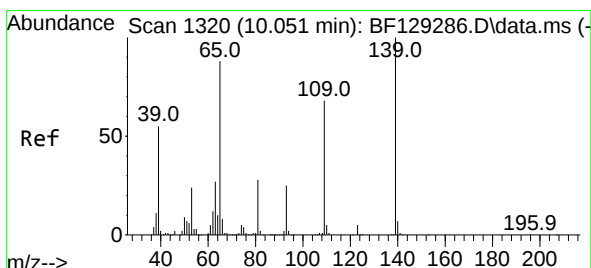
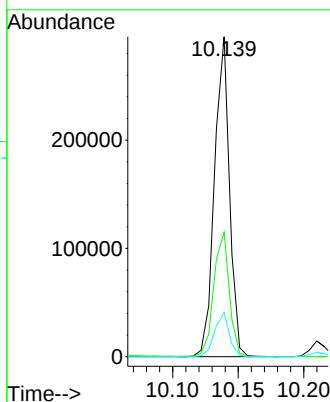
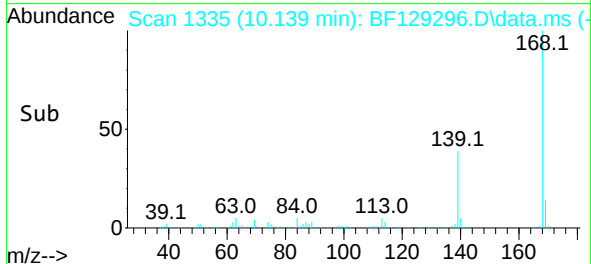
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:168 Resp: 234638
Ion Ratio Lower Upper
168 100
139 39.0 30.6 46.0
169 13.8 11.0 16.6

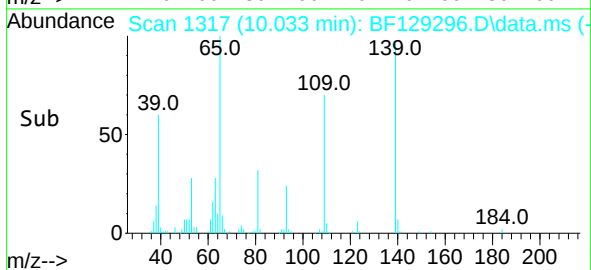
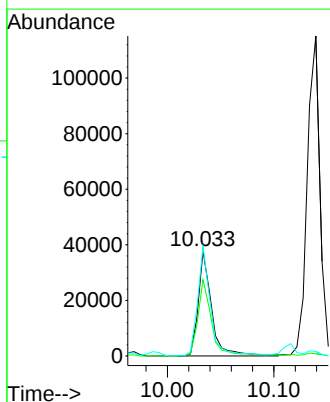
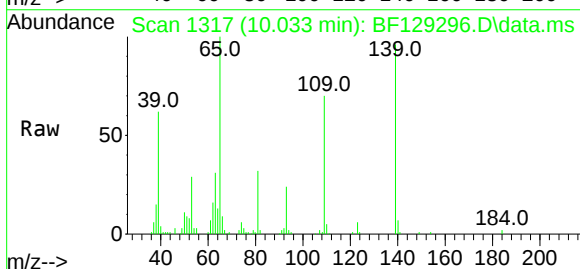
Manual Integrations
APPROVED

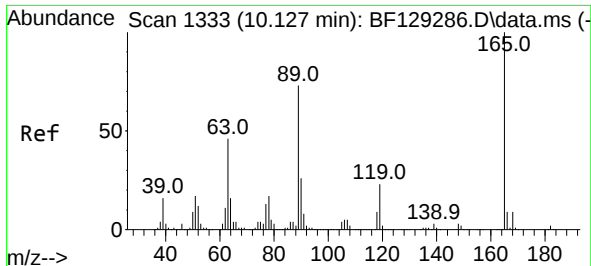
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#56
4-Nitrophenol
Concen: 7.150 ng
RT: 10.033 min Scan# 1317
Delta R.T. -0.018 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

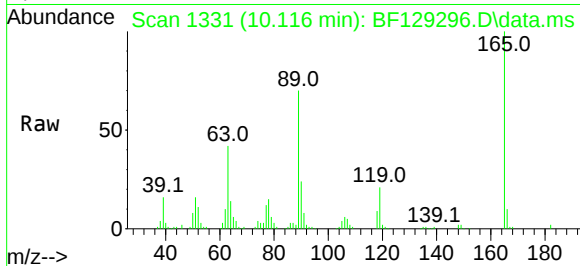
Tgt Ion:139 Resp: 33013
Ion Ratio Lower Upper
139 100
109 72.8 50.7 90.7
65 104.3 74.5 114.5





#57
2,4-Dinitrotoluene
Concen: 7.843 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

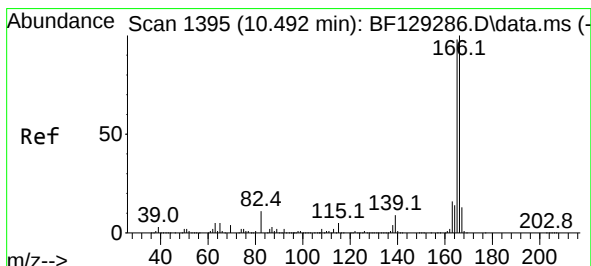
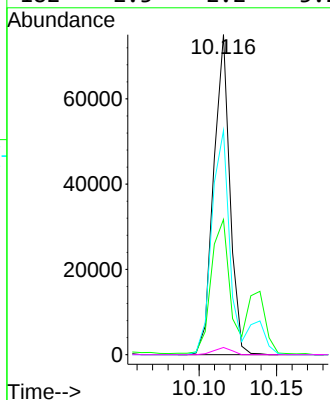
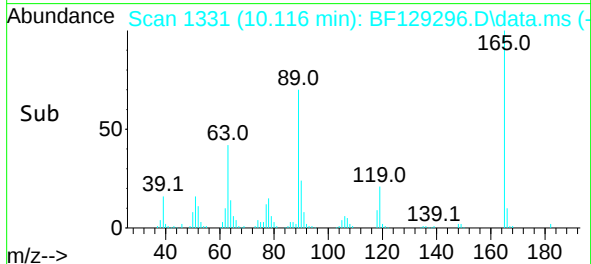
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



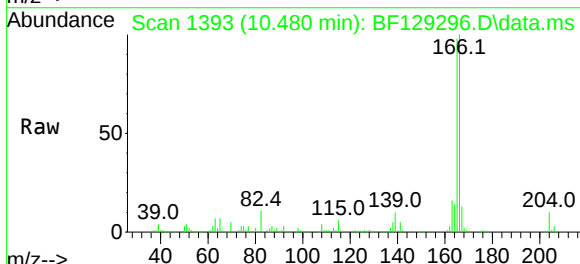
Tgt Ion:165 Resp: 54632
Ion Ratio Lower Upper
165 100
63 42.3 39.8 59.6
89 70.1 60.2 90.2
182 2.3 2.2 3.2

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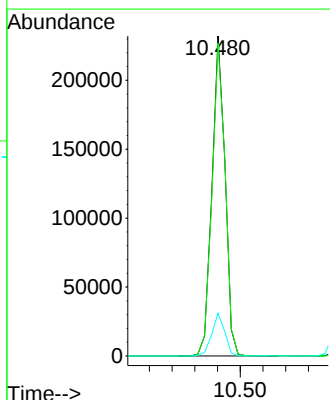
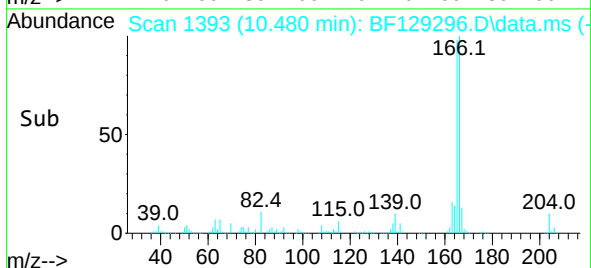
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

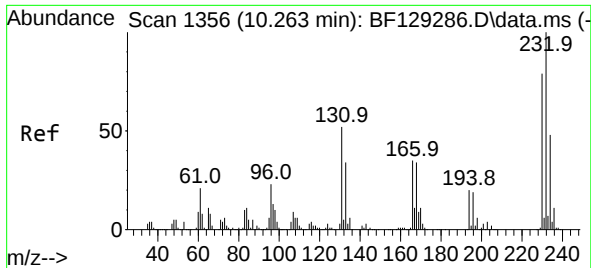


#58
Fluorene
Concen: 8.156 ng
RT: 10.480 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



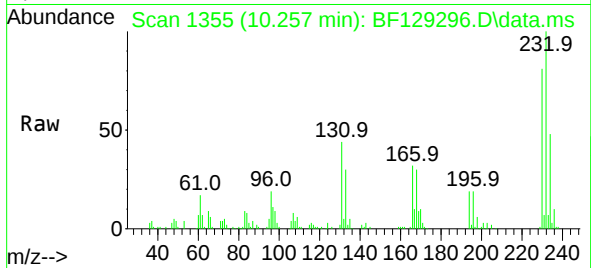
Tgt Ion:166 Resp: 184327
Ion Ratio Lower Upper
166 100
165 97.7 78.1 117.1
167 13.4 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.289 ng
RT: 10.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

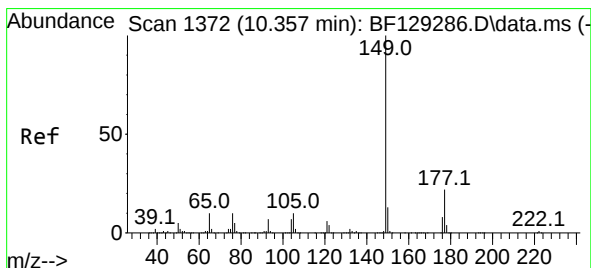
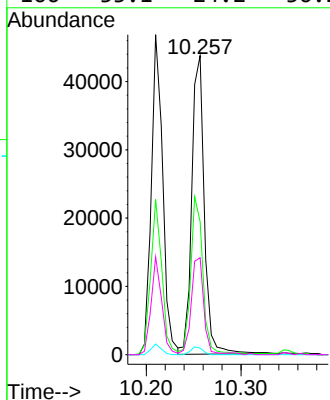
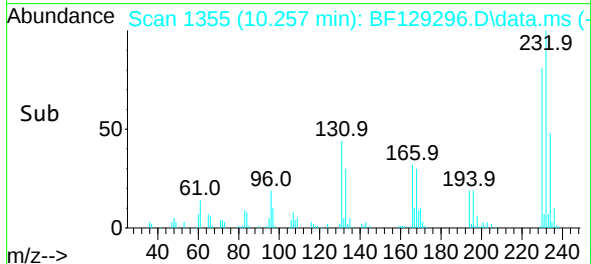
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:232 Resp: 40400
Ion Ratio Lower Upper
232 100
131 51.6 36.1 54.1
130 2.5 1.8 2.8
166 33.1 24.2 36.2

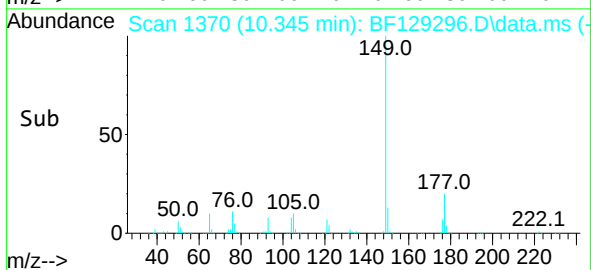
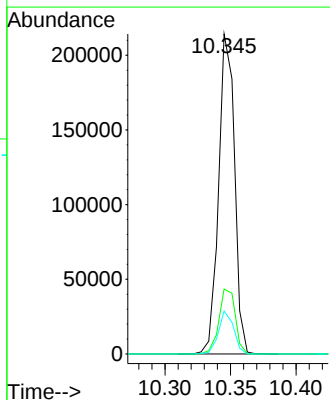
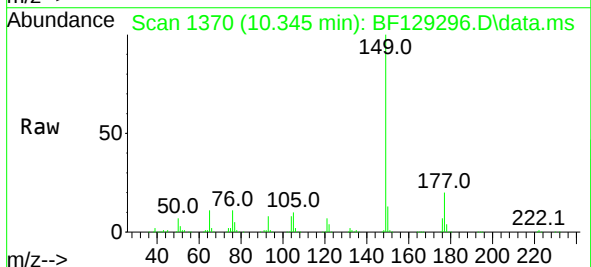
Manual Integrations
APPROVED

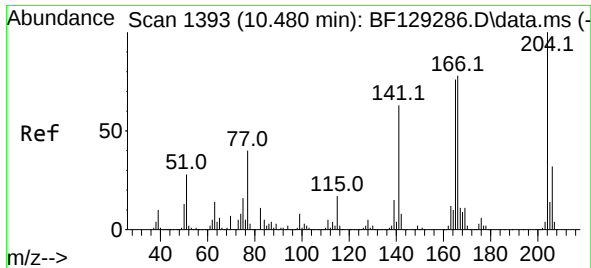
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#60
Diethylphthalate
Concen: 7.897 ng
RT: 10.345 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

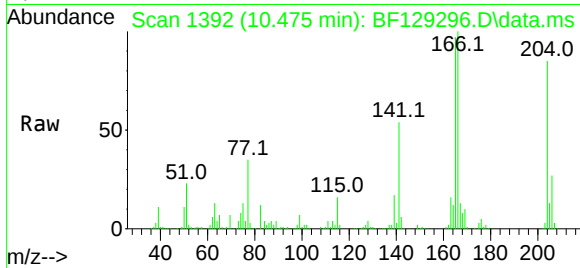
Tgt Ion:149 Resp: 180308
Ion Ratio Lower Upper
149 100
177 20.3 17.3 25.9
150 13.4 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 8.291 ng
RT: 10.475 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

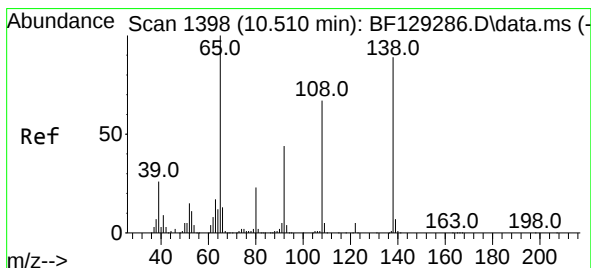
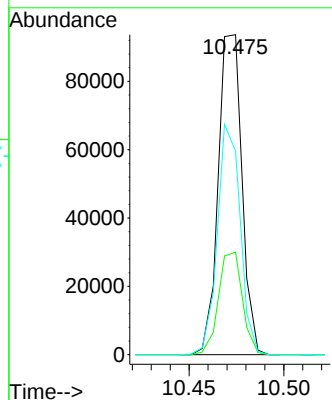
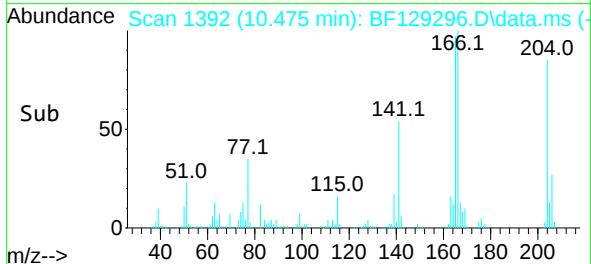
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:204 Resp: 81970
Ion Ratio Lower Upper
204 100
206 32.0 25.8 38.6
141 63.6 47.0 70.4

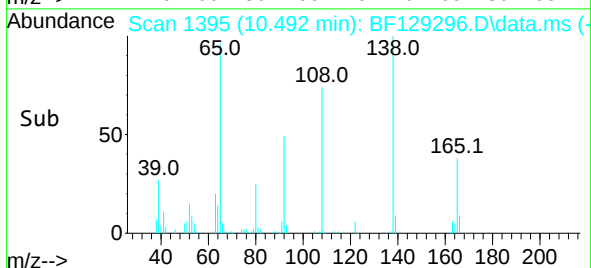
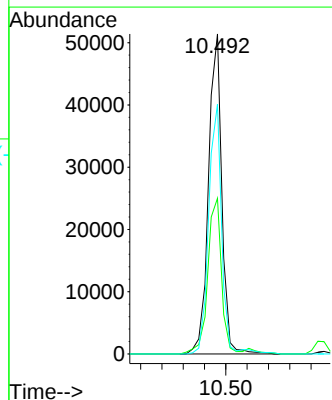
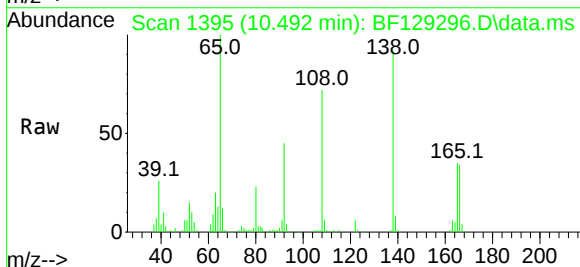
Manual Integrations
APPROVED

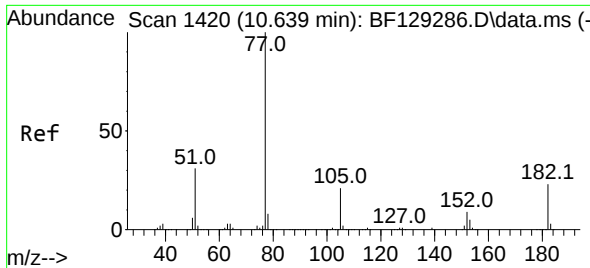
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#62
4-Nitroaniline
Concen: 7.173 ng
RT: 10.492 min Scan# 1395
Delta R.T. -0.018 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

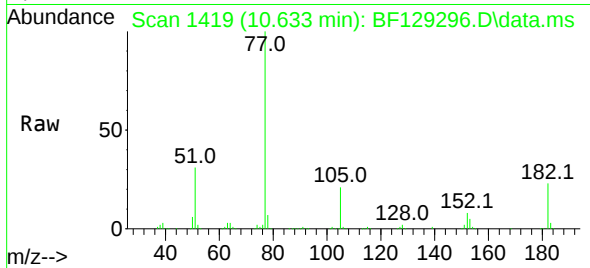
Tgt Ion:138 Resp: 44793
Ion Ratio Lower Upper
138 100
92 48.6 33.5 73.5
108 78.1 61.0 101.0





#63
Azobenzene
Concen: 7.764 ng
RT: 10.633 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

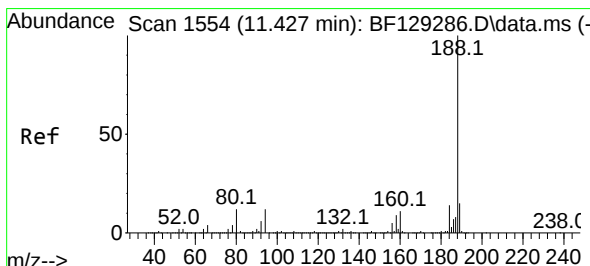
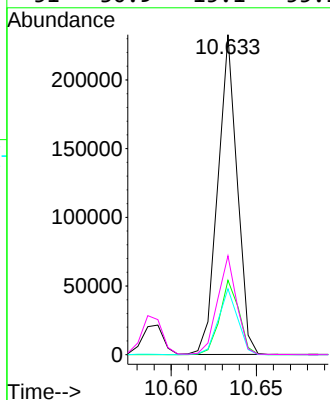
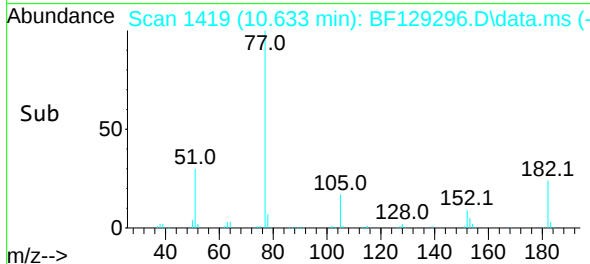
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



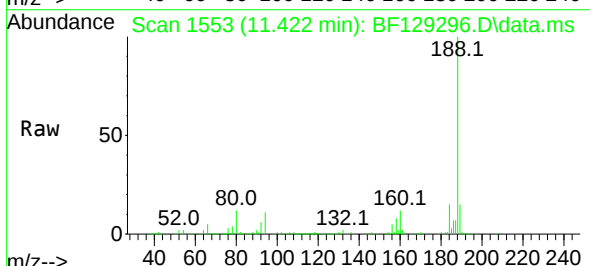
Tgt Ion: 77 Resp: 18341
Ion Ratio Lower Upper
77 100
182 23.3 5.6 45.6
105 20.6 1.6 41.6
51 30.9 15.1 55.1

Manual Integrations
APPROVED

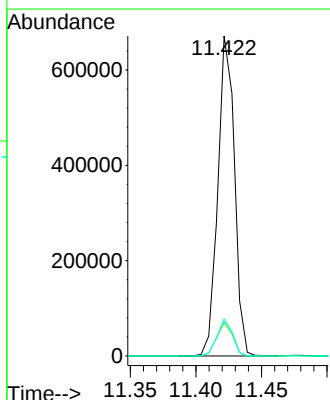
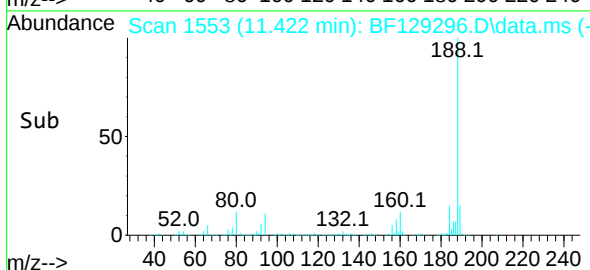
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

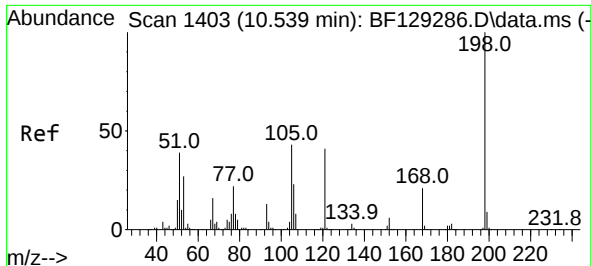


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



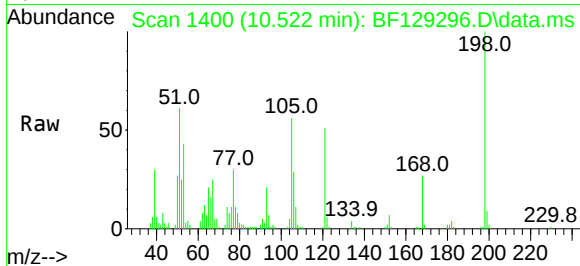
Tgt Ion:188 Resp: 590903
Ion Ratio Lower Upper
188 100
94 10.6 7.0 10.6#
80 11.6 7.6 11.4#





#65
4,6-Dinitro-2-methylphenol
Concen: 6.213 ng
RT: 10.522 min Scan# 1403
Delta R.T. -0.018 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

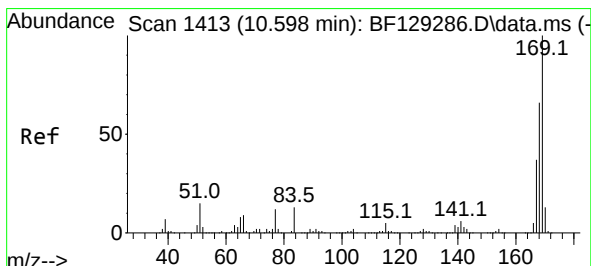
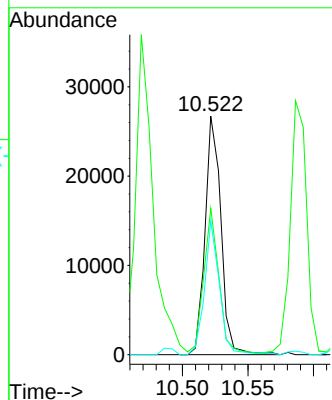
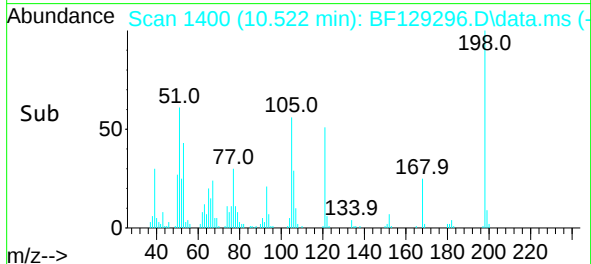
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



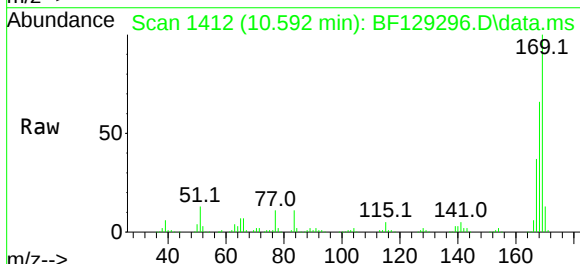
Tgt Ion:198 Resp: 2258
Ion Ratio Lower Upper
198 100
51 61.3 37.6 77.6
105 56.1 27.0 67.0

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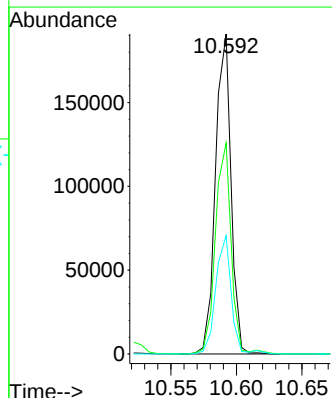
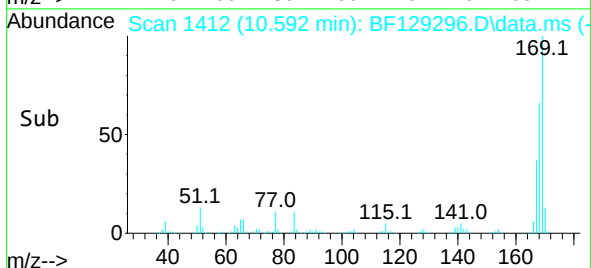
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

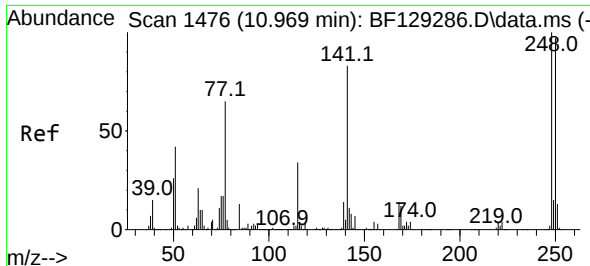


#66
n-Nitrosodiphenylamine
Concen: 8.018 ng
RT: 10.592 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



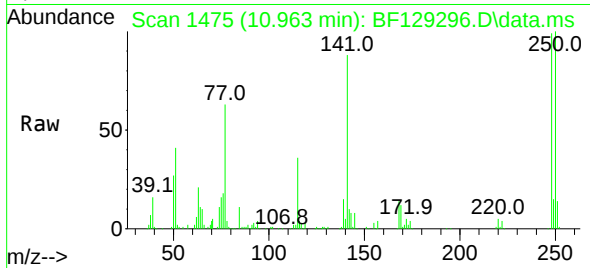
Tgt Ion:169 Resp: 156641
Ion Ratio Lower Upper
169 100
168 65.8 50.1 75.1
167 36.9 27.9 41.9





#67
4-Bromophenyl-phenylether
Concen: 7.960 ng
RT: 10.963 min Scan# 1475
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

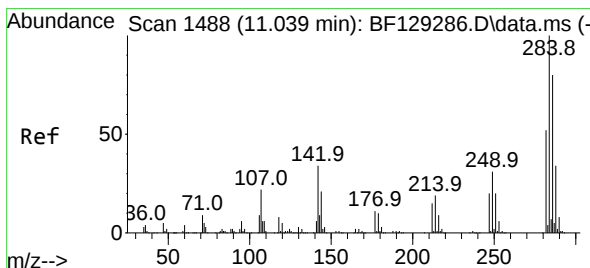
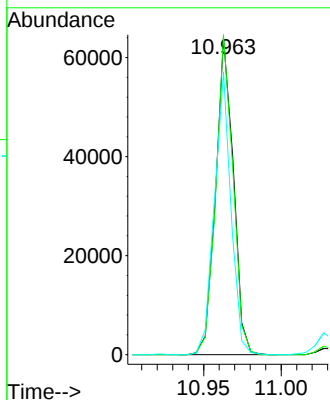
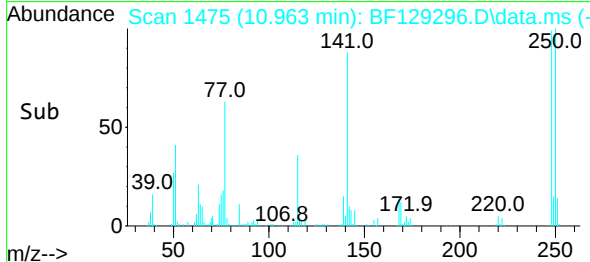
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



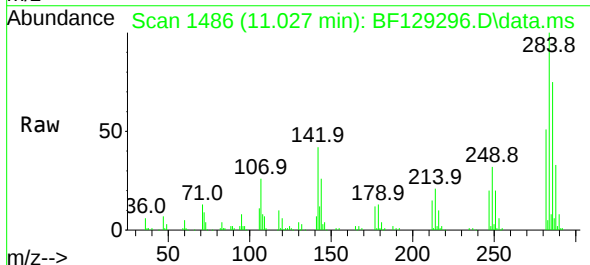
Tgt Ion:248 Resp: 5075
Ion Ratio Lower Upper
248 100
250 100.9 80.6 120.8
141 89.1 58.9 88.3

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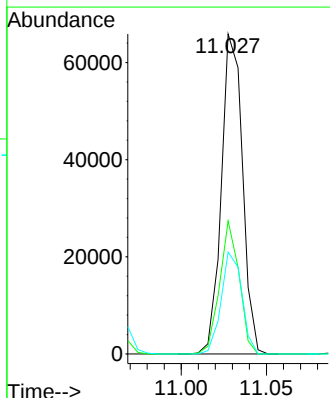
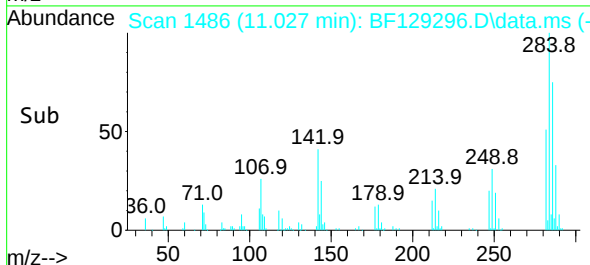
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

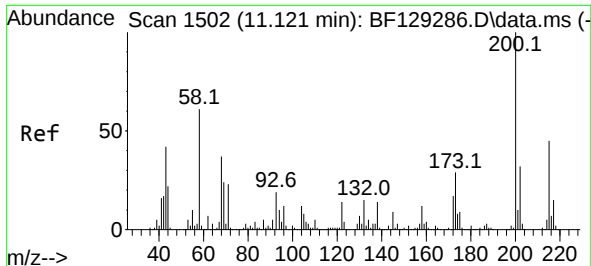


#68
Hexachlorobenzene
Concen: 8.143 ng
RT: 11.027 min Scan# 1486
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



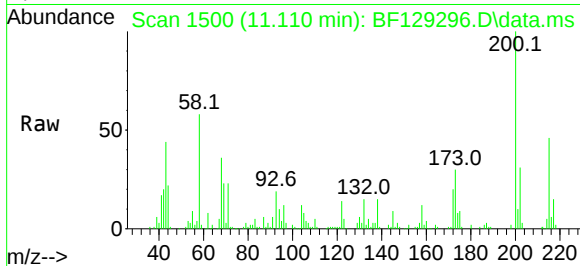
Tgt Ion:284 Resp: 56863
Ion Ratio Lower Upper
284 100
142 41.6 29.0 43.4
249 31.8 25.0 37.6





#69
Atrazine
Concen: 7.987 ng
RT: 11.110 min Scan# 1519
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

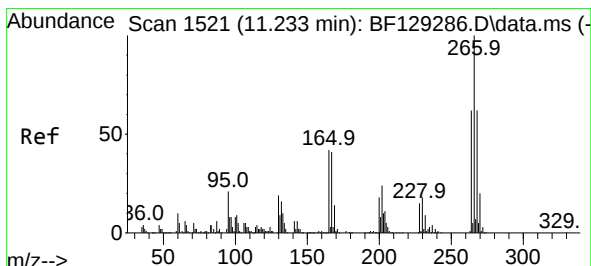
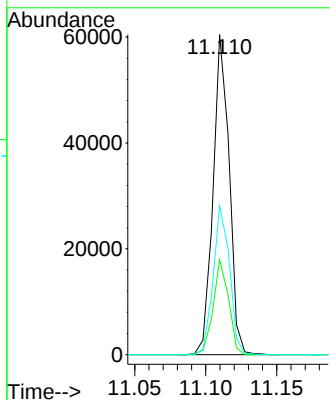
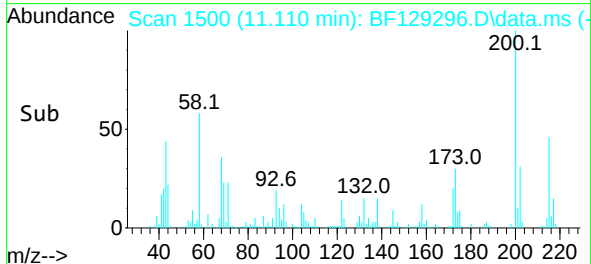
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



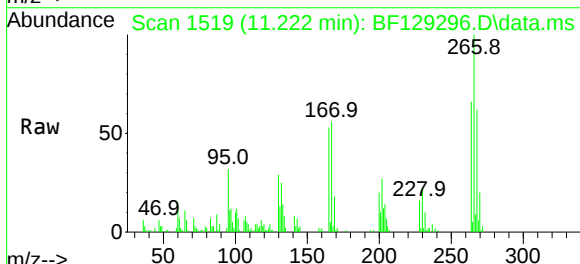
Tgt Ion:200 Resp: 47680
Ion Ratio Lower Upper
200 100
173 29.6 6.3 46.3
215 46.4 28.3 68.3

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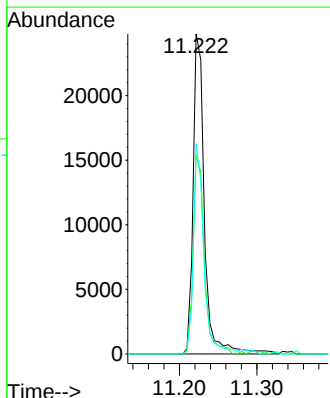
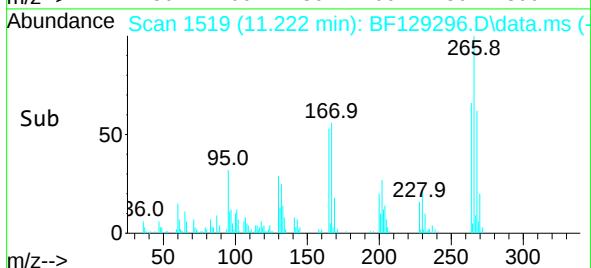
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

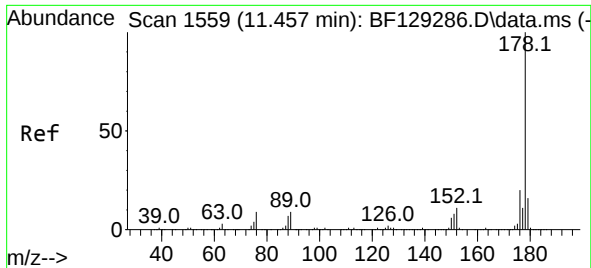


#70
Pentachlorophenol
Concen: 6.553 ng
RT: 11.222 min Scan# 1519
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



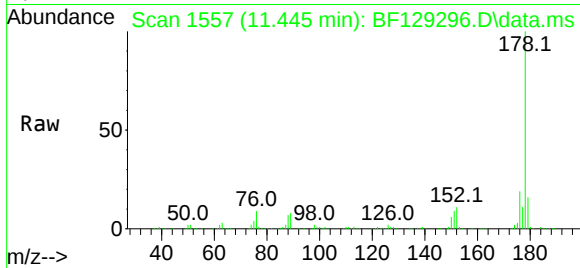
Tgt Ion:266 Resp: 25159
Ion Ratio Lower Upper
266 100
268 61.9 51.0 76.4
264 65.7 49.4 74.2





#71
Phenanthrene
Concen: 8.027 ng
RT: 11.445 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

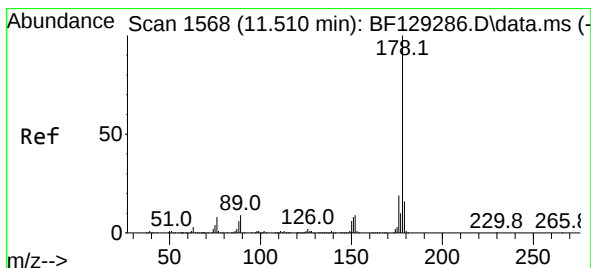
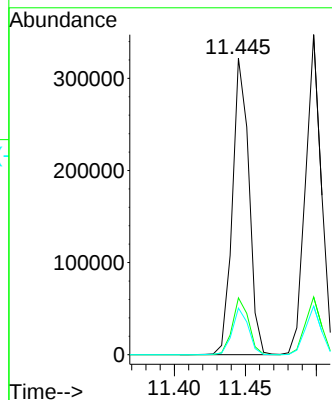
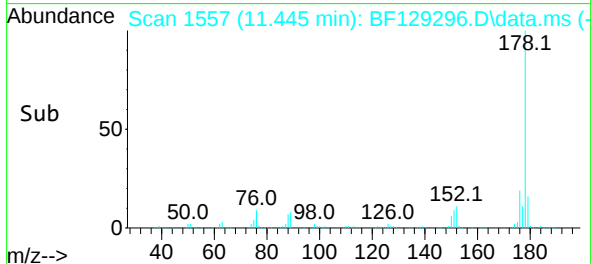
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



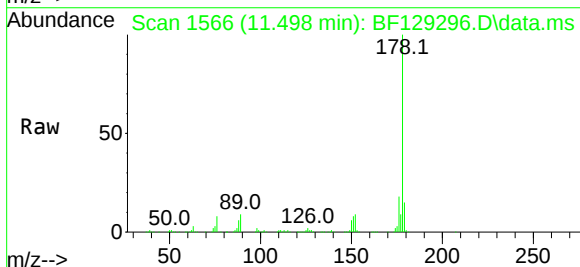
Tgt Ion:178 Resp: 260329
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.7 12.6 19.0

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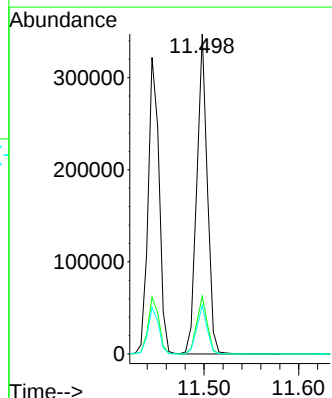
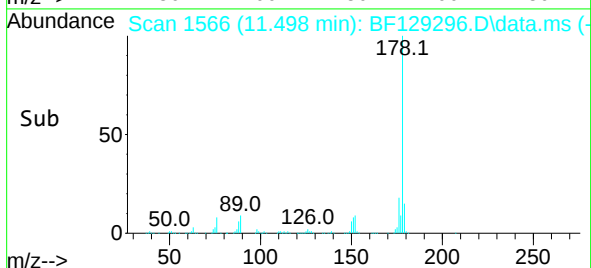
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

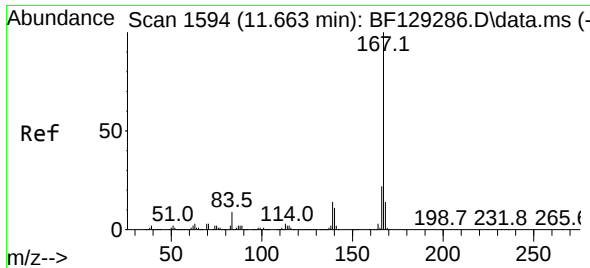


#72
Anthracene
Concen: 8.385 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



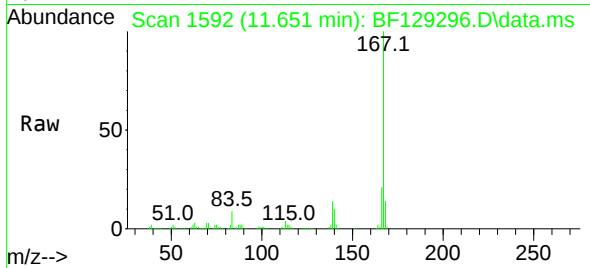
Tgt Ion:178 Resp: 269474
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 15.2 12.6 19.0





#73
 Carbazole
 Concen: 8.215 ng
 RT: 11.651 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129296.D
 Acq: 21 Jul 2022 14:18

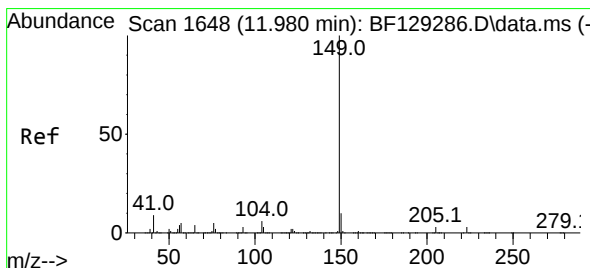
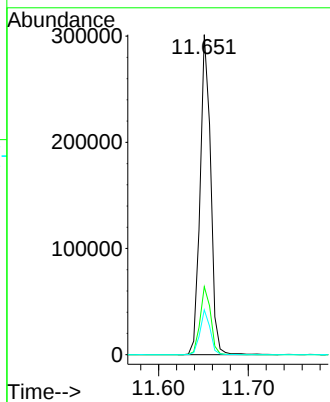
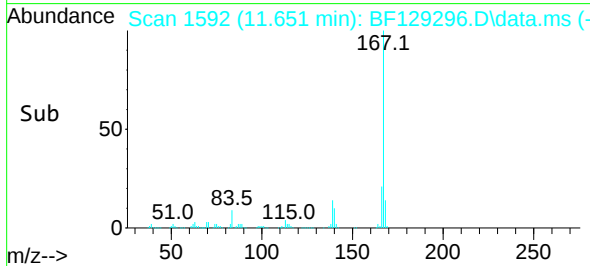
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



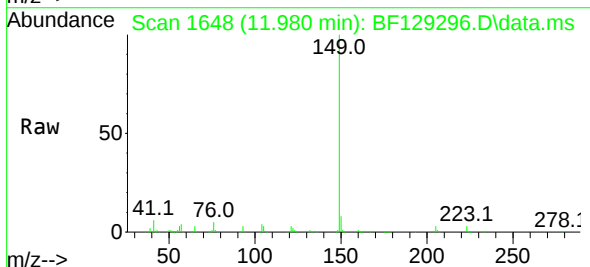
Tgt Ion:167 Resp: 246263
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.7 26.5
 139 14.0 11.2 16.8

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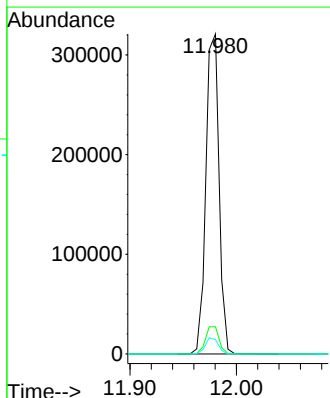
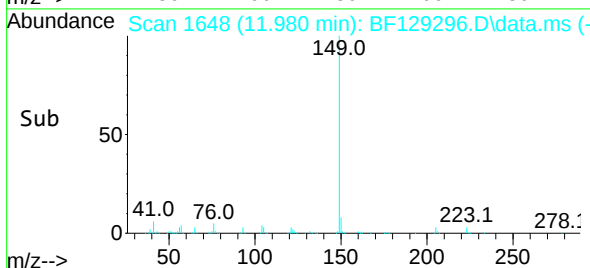
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

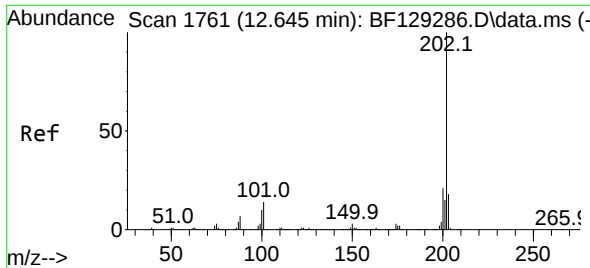


#74
 Di-n-butylphthalate
 Concen: 7.989 ng
 RT: 11.980 min Scan# 1648
 Delta R.T. 0.000 min
 Lab File: BF129296.D
 Acq: 21 Jul 2022 14:18



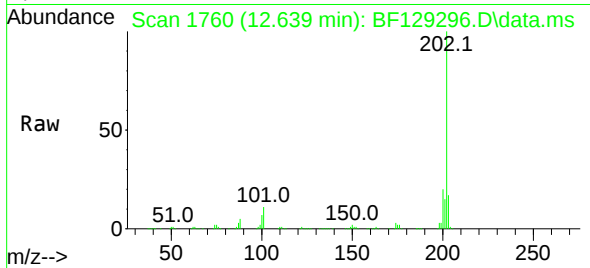
Tgt Ion:149 Resp: 276723
 Ion Ratio Lower Upper
 149 100
 150 8.5 7.5 11.3
 104 4.5 4.4 6.6





#75
Fluoranthene
Concen: 8.079 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

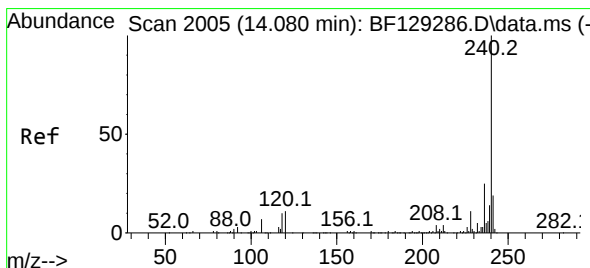
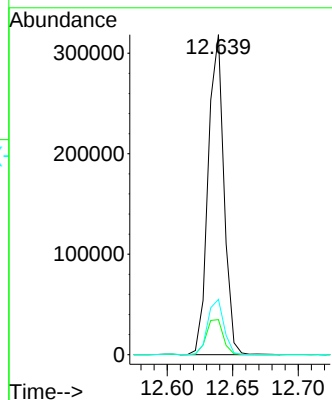
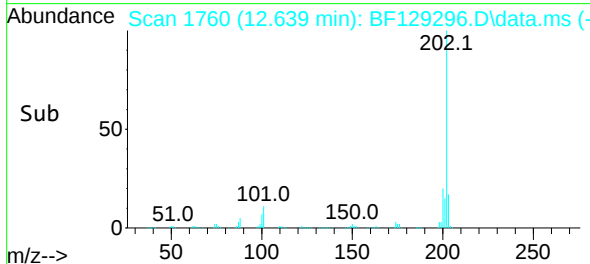
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



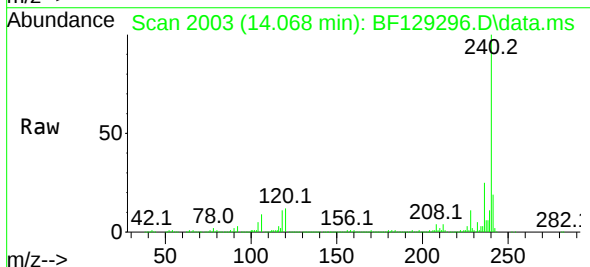
Tgt Ion:202 Resp: 267030
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.3 0.0 38.0

Manual Integrations
APPROVED

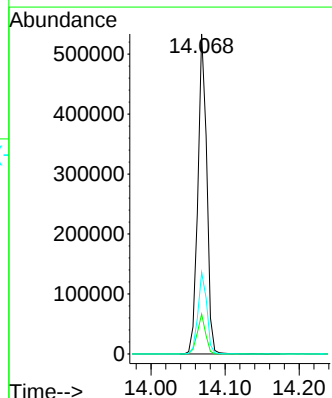
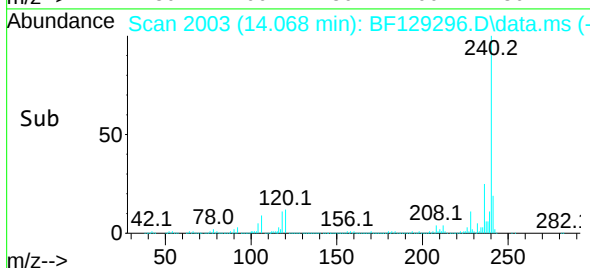
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

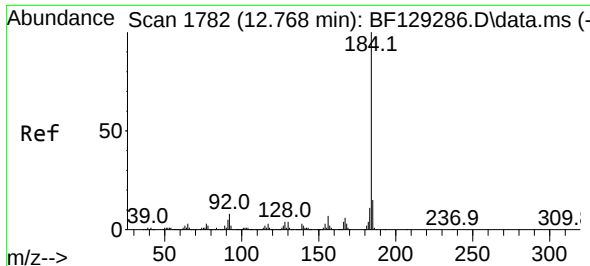


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



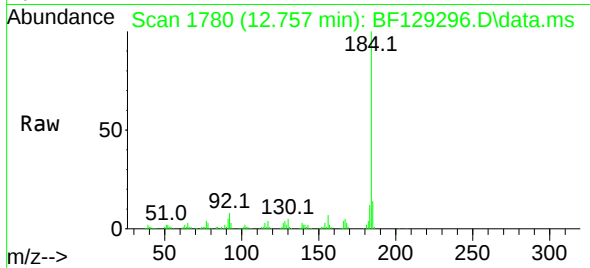
Tgt Ion:240 Resp: 442761
Ion Ratio Lower Upper
240 100
120 12.5 8.9 13.3
236 25.5 20.8 31.2





#77
Benzidine
Concen: 7.780 ng
RT: 12.757 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

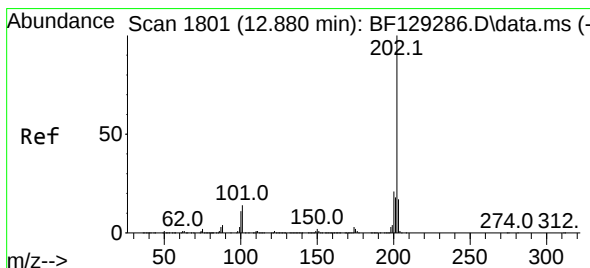
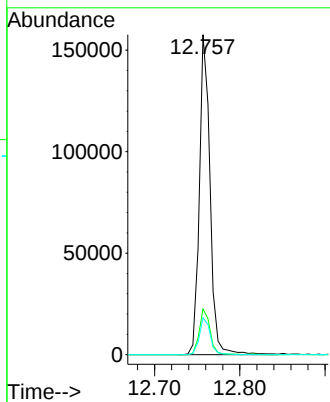
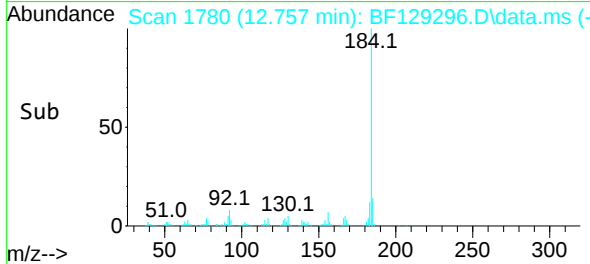
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



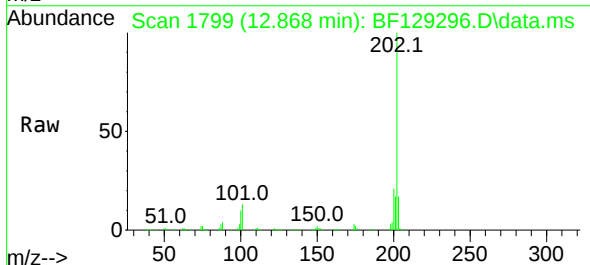
Tgt Ion:184 Resp: 137279
Ion Ratio Lower Upper
184 100
185 14.3 11.9 17.9
183 11.5 9.3 13.9

Manual Integrations
APPROVED

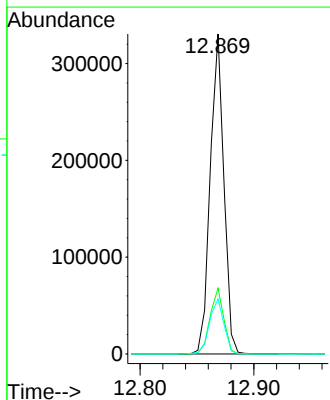
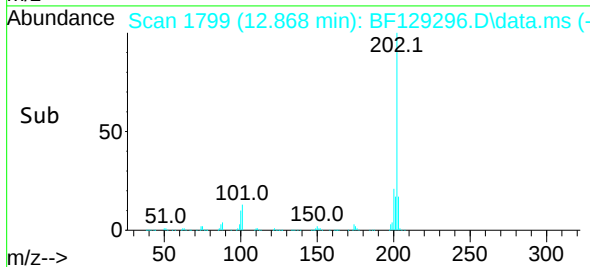
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

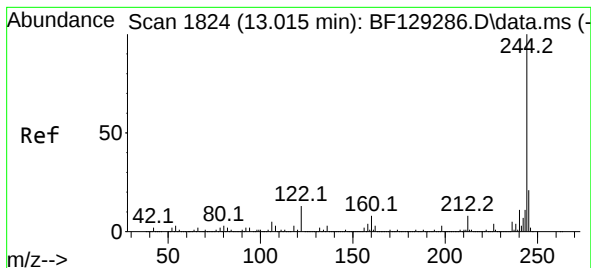


#78
Pyrene
Concen: 7.266 ng
RT: 12.868 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



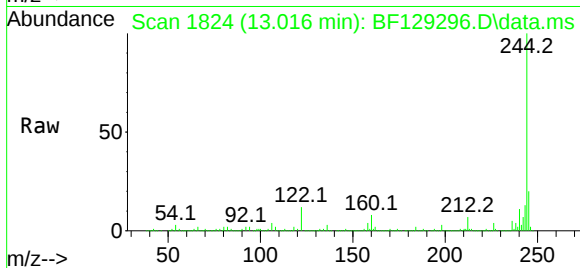
Tgt Ion:202 Resp: 275149
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 17.2 14.6 21.8





#79
 Terphenyl-d14
 Concen: 77.678 ng
 RT: 13.016 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF129296.D
 Acq: 21 Jul 2022 14:18

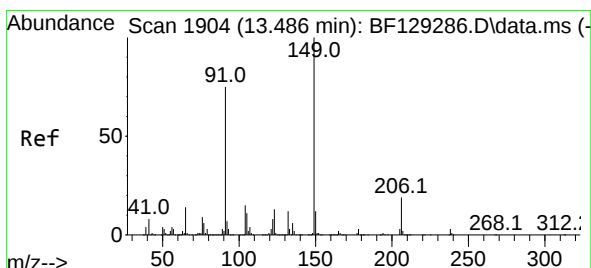
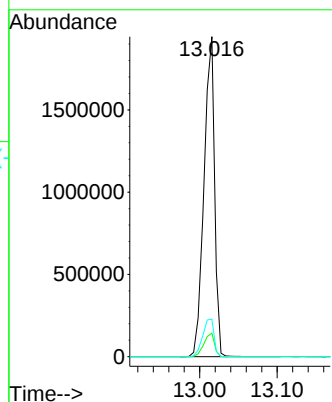
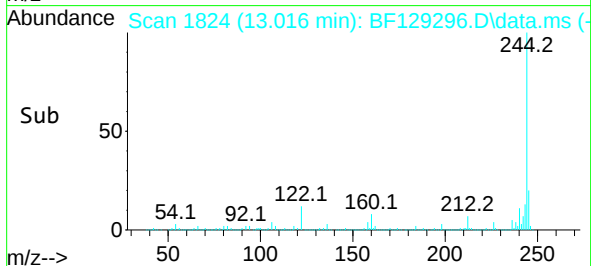
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



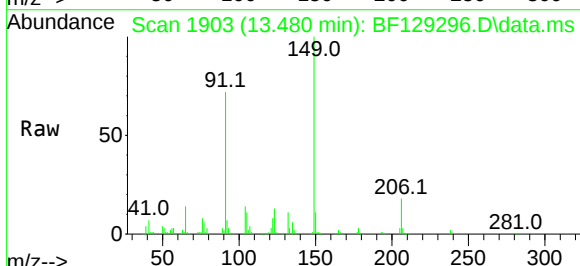
Tgt Ion:244 Resp: 184665
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 11.7 8.8 13.2

Manual Integrations
 APPROVED

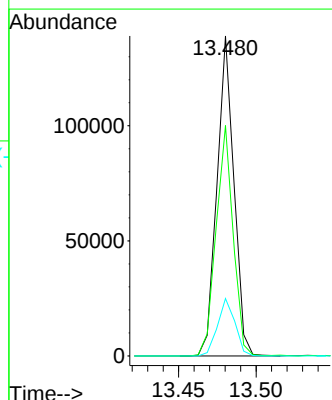
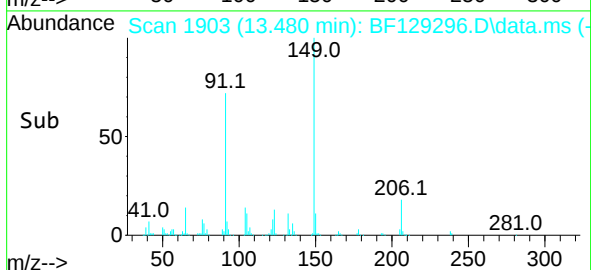
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

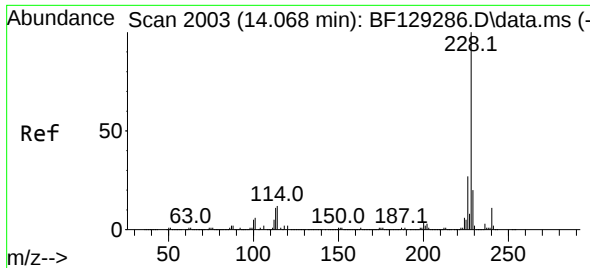


#80
 Butylbenzylphthalate
 Concen: 6.843 ng
 RT: 13.480 min Scan# 1903
 Delta R.T. -0.006 min
 Lab File: BF129296.D
 Acq: 21 Jul 2022 14:18



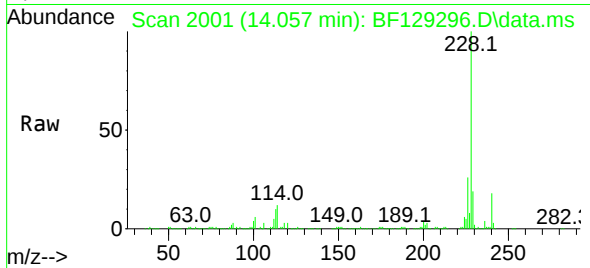
Tgt Ion:149 Resp: 105743
 Ion Ratio Lower Upper
 149 100
 91 72.0 61.2 91.8
 206 18.0 15.7 23.5





#81
Benzo(a)anthracene
Concen: 7.500 ng
RT: 14.057 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

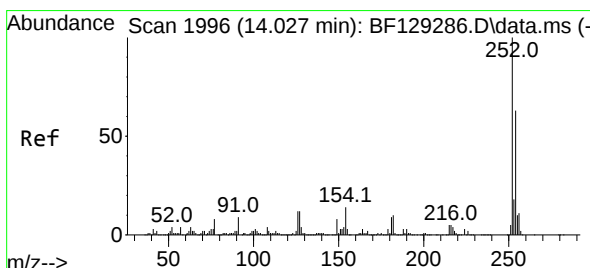
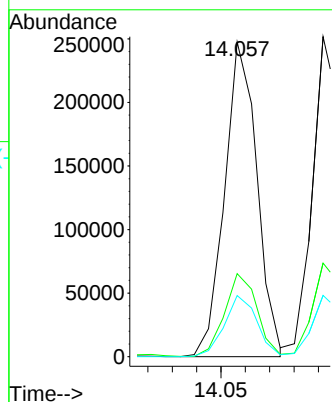
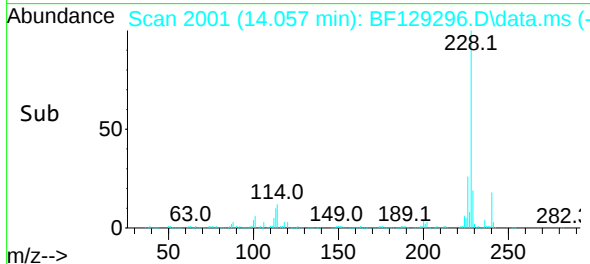
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



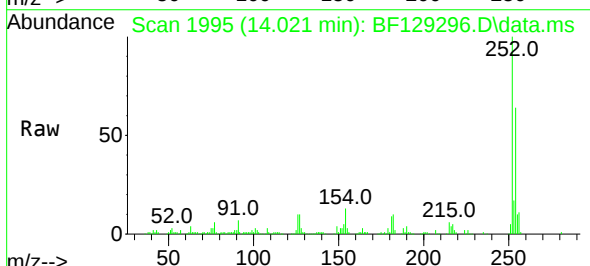
Tgt Ion:228 Resp: 228650
Ion Ratio Lower Upper
228 100
226 26.4 22.1 33.1
229 19.4 15.8 23.8

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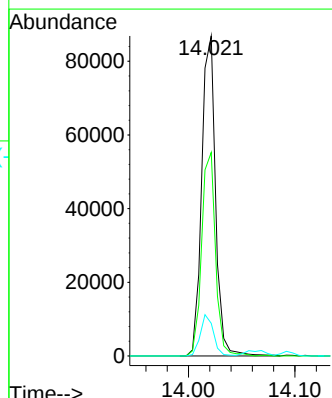
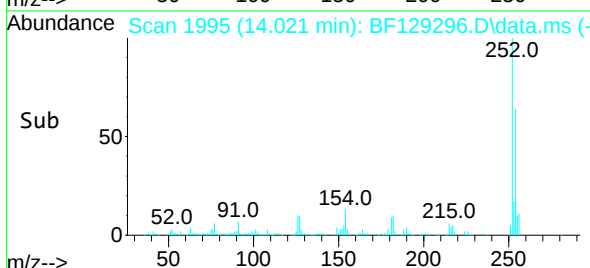
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

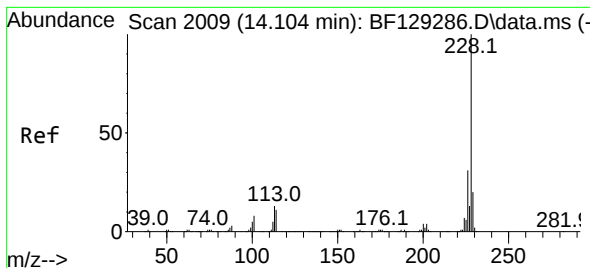


#82
3,3'-Dichlorobenzidine
Concen: 7.876 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



Tgt Ion:252 Resp: 78824
Ion Ratio Lower Upper
252 100
254 63.6 50.2 75.4
126 10.2 8.2 12.4





#83

Chrysene

Concen: 7.510 ng

RT: 14.092 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

Instrument :

BNA_F

ClientSampleId :

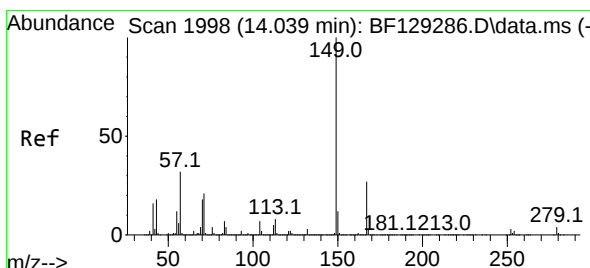
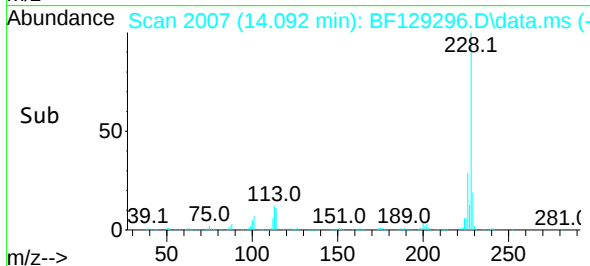
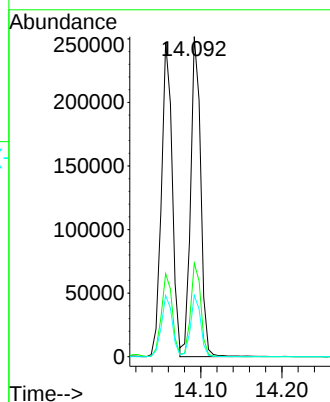
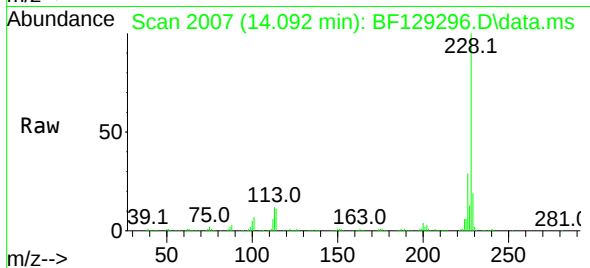
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:228 Resp: 216110
 Ion Ratio Lower Upper
 228 100
 226 29.2 24.3 36.5
 229 19.2 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: 7.125 ng

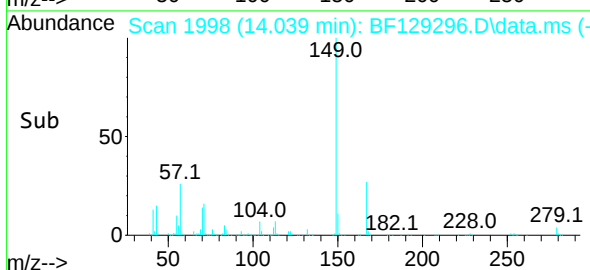
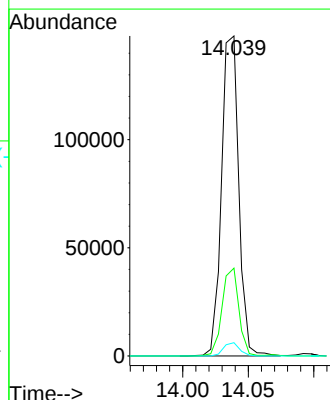
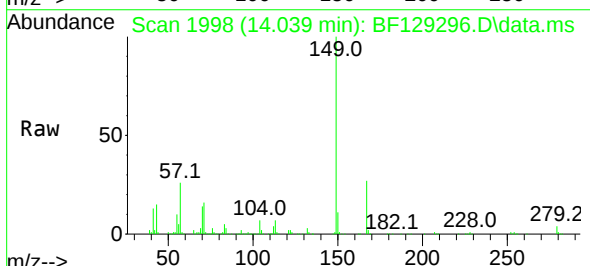
RT: 14.039 min Scan# 1998

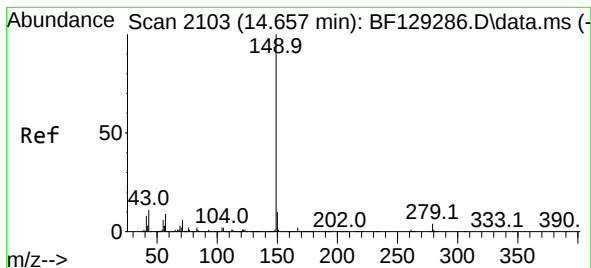
Delta R.T. 0.000 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

Tgt Ion:149 Resp: 135213
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.0 31.4
 279 4.2 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 6.837 ng

RT: 14.651 min Scan# 2103

Delta R.T. -0.006 min

Lab File: BF129296.D

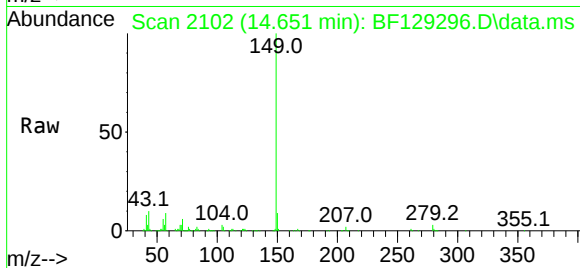
Acq: 21 Jul 2022 14:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:149 Resp: 185679

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

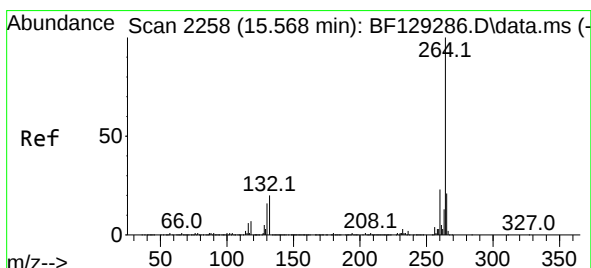
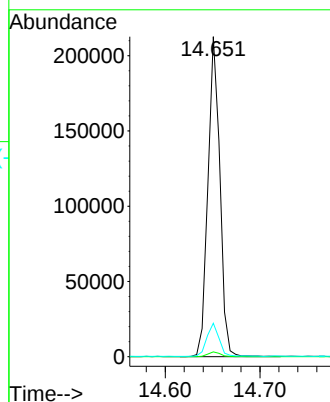
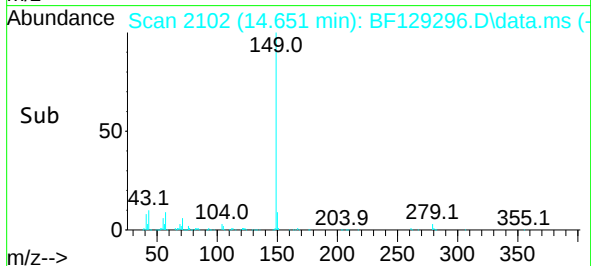
43 10.7 9.2 13.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

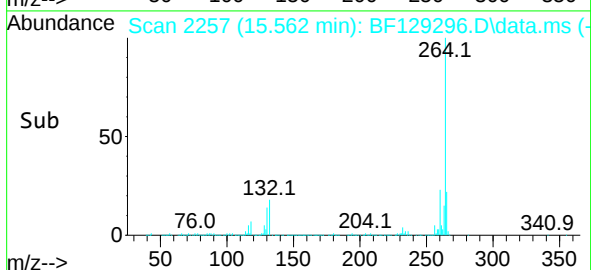
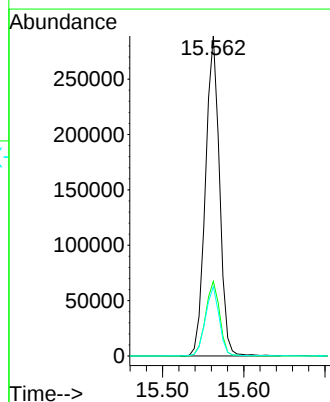
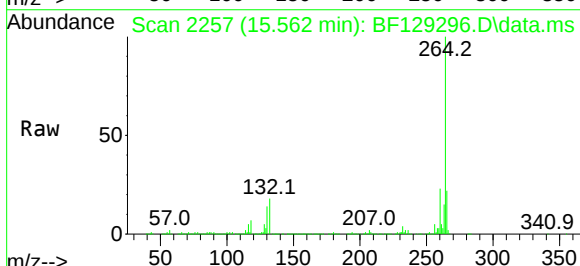
Tgt Ion:264 Resp: 346392

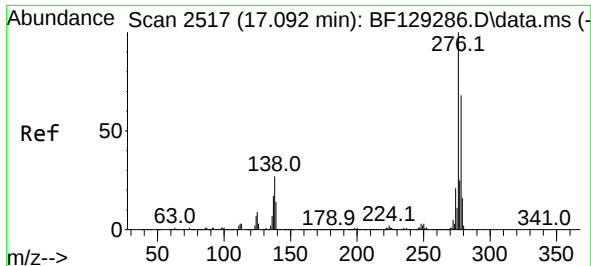
Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

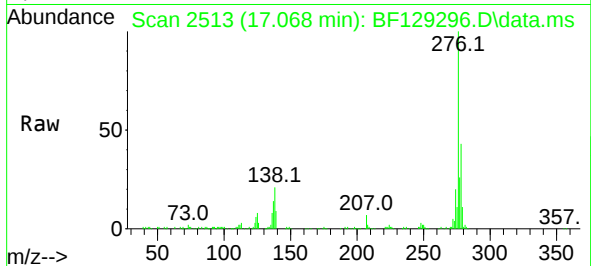
265 21.7 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.257 ng
RT: 17.068 min Scan# 2113
Delta R.T. -0.023 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

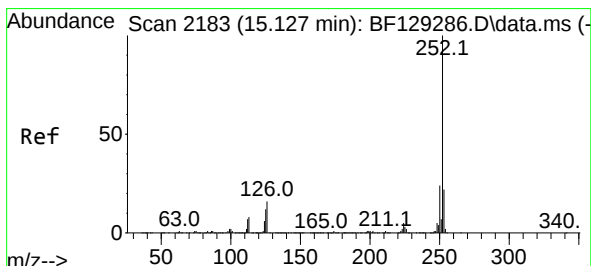
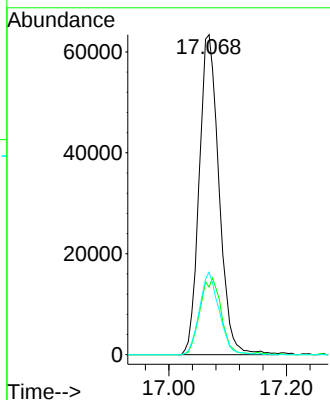
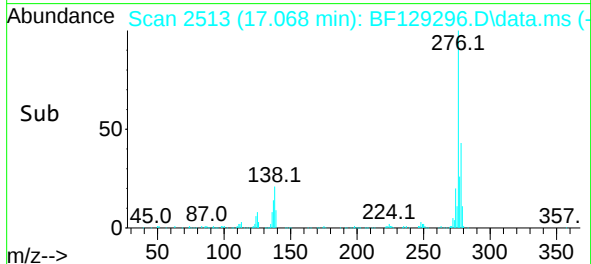
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



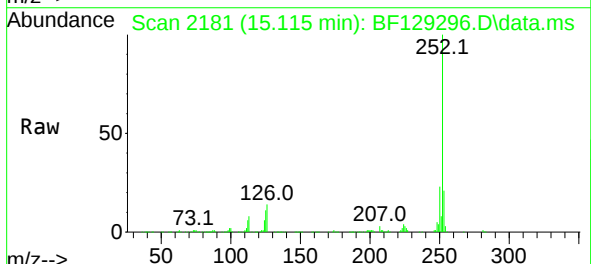
Tgt Ion:276 Resp: 148580
Ion Ratio Lower Upper
276 100
138 25.7 21.1 31.7
277 25.6 20.3 30.5

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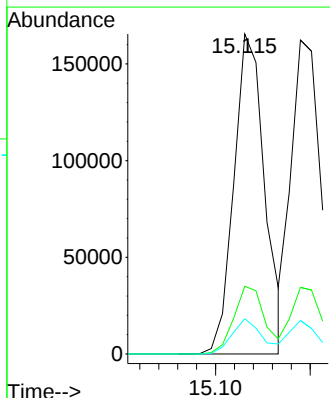
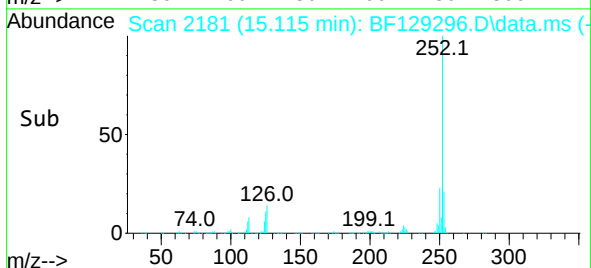
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

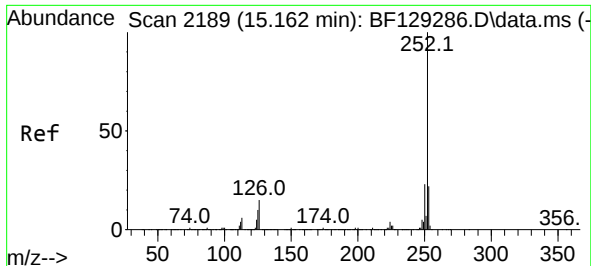


#88
Benzo(b)fluoranthene
Concen: 8.112 ng
RT: 15.115 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



Tgt Ion:252 Resp: 187023
Ion Ratio Lower Upper
252 100
253 21.2 17.7 26.5
125 11.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 8.025 ng

RT: 15.145 min Scan# 2189

Delta R.T. -0.018 min

Lab File: BF129296.D

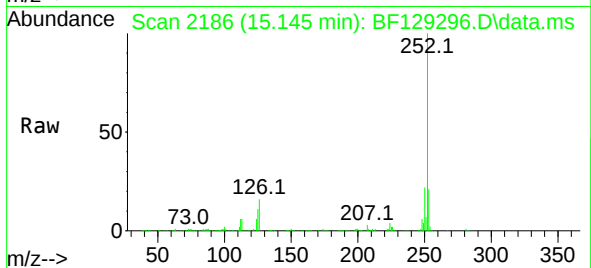
Acq: 21 Jul 2022 14:18

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:252 Resp: 17964

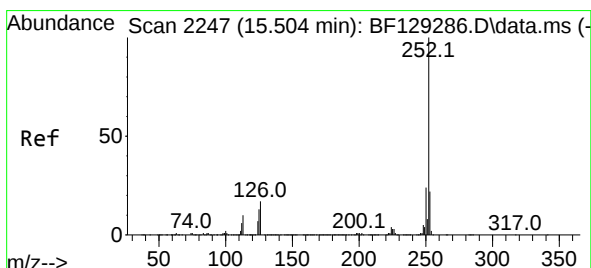
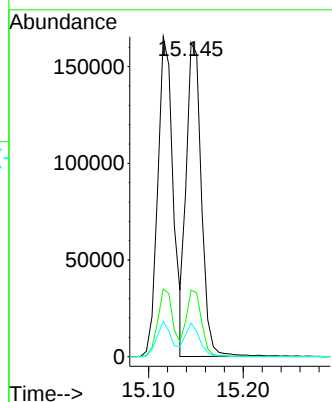
Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.6
125	10.7	8.3	12.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#90

Benzo(a)pyrene

Concen: 8.842 ng

RT: 15.498 min Scan# 2246

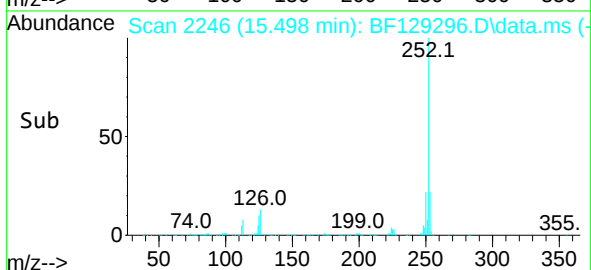
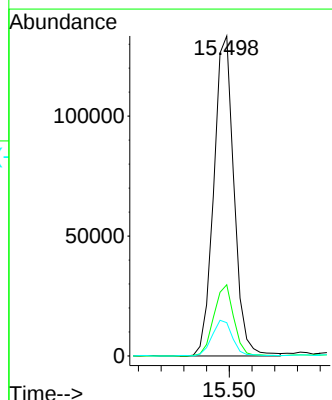
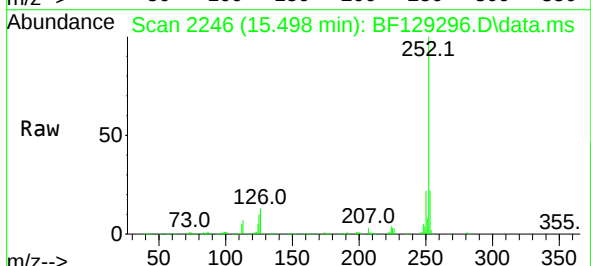
Delta R.T. -0.006 min

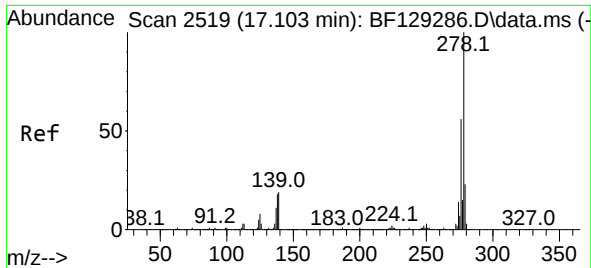
Lab File: BF129296.D

Acq: 21 Jul 2022 14:18

Tgt Ion:252 Resp: 164938

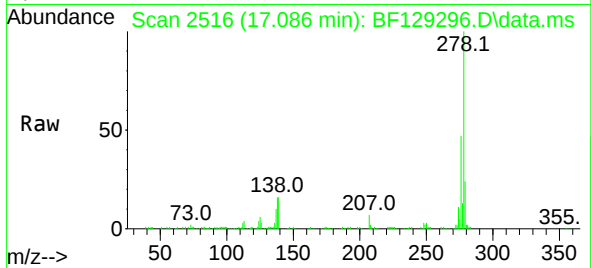
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	10.4	8.8	13.2





#91
Dibenzo(a,h)anthracene
Concen: 6.577 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.018 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18

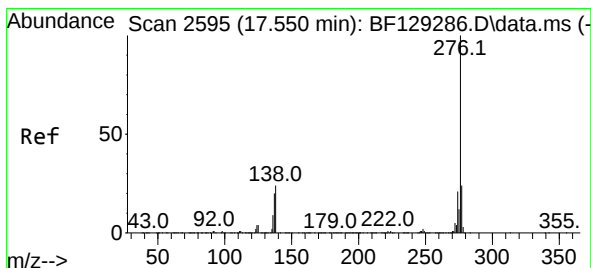
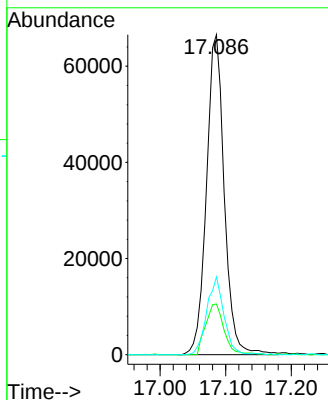
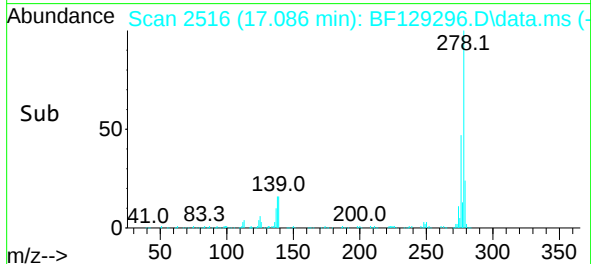
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



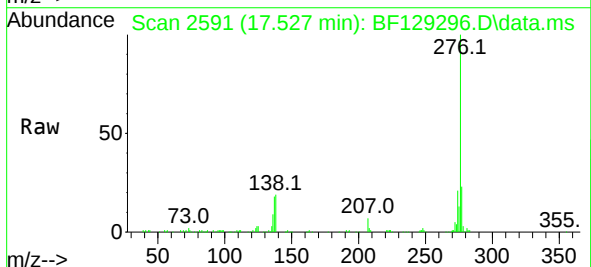
Tgt Ion: 278 Resp: 125874
Ion Ratio Lower Upper
278 100
139 15.9 12.8 19.2
279 24.3 18.6 28.0

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



#92
Benzo(g,h,i)perylene
Concen: 6.392 ng
RT: 17.527 min Scan# 2591
Delta R.T. -0.023 min
Lab File: BF129296.D
Acq: 21 Jul 2022 14:18



Tgt Ion: 276 Resp: 127128
Ion Ratio Lower Upper
276 100
277 23.4 19.1 28.7
138 19.2 18.0 27.0

