

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072122\
 Data File : BF129298.D
 Acq On : 21 Jul 2022 16:00
 Operator : CG\JU
 Sample : N3214-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Manual Integrations
 APPROVED

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

Quant Time: Jul 21 16:22:15 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	152142	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	586256	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	308963	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	535974	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	403289	20.000	ng	-0.01
86) Perylene-d12	15.562	264	315518	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1395582	149.613	ng	0.00
7) Phenol-d6	6.528	99	1787220	150.302	ng	0.00
23) Nitrobenzene-d5	7.457	82	969188	88.940	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	501344	168.188	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1713252	85.304	ng	0.00
79) Terphenyl-d14	13.015	244	1834424	84.716	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	39607	9.576	ng	92
3) Pyridine	3.540	79	119405m	10.456	ng	
4) n-Nitrosodimethylamine	3.410	42	53099	10.356	ng	96
6) Aniline	6.563	93	160195	10.949	ng	99
8) 2-Chlorophenol	6.681	128	104118	10.182	ng	98
9) Benzaldehyde	6.445	77	87696	10.751	ng	94
10) Phenol	6.534	94	123917	9.916	ng	79
11) bis(2-Chloroethyl)ether	6.628	93	100615	10.171	ng	95
12) 1,3-Dichlorobenzene	6.834	146	116626	10.582	ng	99
13) 1,4-Dichlorobenzene	6.910	146	116981	10.490	ng	98
14) 1,2-Dichlorobenzene	7.063	146	108674	10.547	ng	96
15) Benzyl Alcohol	7.028	79	102892	11.927	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.163	45	149951	9.943	ng	94
17) 2-Methylphenol	7.139	107	85536	10.264	ng	97
18) Hexachloroethane	7.404	117	45410	10.853	ng	# 86
19) n-Nitroso-di-n-propyla...	7.298	70	76078	10.738	ng	98
20) 3+4-Methylphenols	7.292	107	109627	10.086	ng	# 84
22) Acetophenone	7.298	105	155170	11.273	ng	99
24) Nitrobenzene	7.475	77	116491	10.379	ng	96
25) Isophorone	7.710	82	206008	10.768	ng	98
26) 2-Nitrophenol	7.792	139	54560	10.075	ng	96
27) 2,4-Dimethylphenol	7.822	122	96347m	11.826	ng	
28) bis(2-Chloroethoxy)met...	7.916	93	126061	11.374	ng	97
29) 2,4-Dichlorophenol	8.028	162	86654	10.226	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	92411	10.493	ng	98
31) Naphthalene	8.198	128	314186	10.449	ng	99
32) Benzoic acid	7.904	122	71438	11.997	ng	96
33) 4-Chloroaniline	8.245	127	128744	10.498	ng	97
34) Hexachlorobutadiene	8.310	225	53434	10.615	ng	100
35) Caprolactam	8.586	113	27660	10.234	ng	# 81
36) 4-Chloro-3-methylphenol	8.716	107	94866	10.537	ng	96
37) 2-Methylnaphthalene	8.886	142	207502	10.650	ng	96
38) 1-Methylnaphthalene	8.986	142	195166	10.353	ng	98
40) 1,2,4,5-Tetrachloroben...	9.051	216	89473	11.031	ng	98
41) Hexachlorocyclopentadiene	9.039	237	43718	12.228	ng	96
43) 2,4,6-Trichlorophenol	9.163	196	60342	10.180	ng	98

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Quant Time: Jul 21 16:22:15 2022
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Manual Integrations
 APPROVED

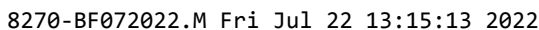
Reviewed By : Christian Giraldo 07/22/2022
 Supervised By : Jagrut Upadhyay 07/22/2022

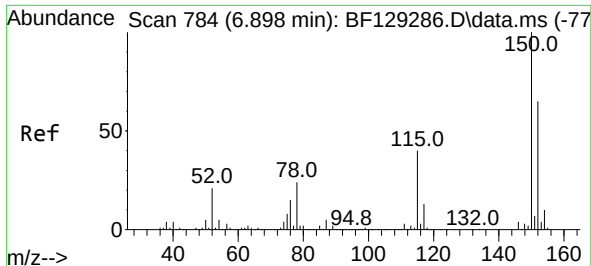
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	66111	10.281	ng	95
46) 1,1'-Biphenyl	9.351	154	254684	11.156	ng	99
47) 2-Chloronaphthalene	9.380	162	196388	10.739	ng	98
48) 2-Nitroaniline	9.469	65	61671	10.041	ng	95
49) Acenaphthylene	9.792	152	315157	11.222	ng	99
50) Dimethylphthalate	9.645	163	221278	10.425	ng	100
51) 2,6-Dinitrotoluene	9.710	165	48644	10.235	ng	# 84
52) Acenaphthene	9.969	154	199076	10.923	ng	99
53) 3-Nitroaniline	9.880	138	52718	9.322	ng	98
54) 2,4-Dinitrophenol	9.992	184	27983	11.635	ng	90
55) Dibenzofuran	10.139	168	270962	10.699	ng	96
56) 4-Nitrophenol	10.033	139	40100	9.710	ng	88
57) 2,4-Dinitrotoluene	10.116	165	65585	10.526	ng	93
58) Fluorene	10.480	166	219338	10.851	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	47173	9.516	ng	89
60) Diethylphthalate	10.351	149	220701	10.807	ng	98
61) 4-Chlorophenyl-phenyle...	10.474	204	100025	11.311	ng	95
62) 4-Nitroaniline	10.492	138	53720	9.618	ng	98
63) Azobenzene	10.633	77	220928	10.456	ng	95
65) 4,6-Dinitro-2-methylph...	10.527	198	29747	9.024	ng	86
66) n-Nitrosodiphenylamine	10.592	169	186374	10.518	ng	96
67) 4-Bromophenyl-phenylether	10.963	248	60920	10.534	ng	93
68) Hexachlorobenzene	11.027	284	67187	10.608	ng	93
69) Atrazine	11.110	200	59699	11.024	ng	94
70) Pentachlorophenol	11.227	266	31531	9.055	ng	100
71) Phenanthrene	11.445	178	309383	10.517	ng	98
72) Anthracene	11.498	178	313289	10.748	ng	98
73) Carbazole	11.651	167	292648	10.763	ng	98
74) Di-n-butylphthalate	11.980	149	339687	10.812	ng	98
75) Fluoranthene	12.639	202	323456	10.789	ng	99
77) Benzidine	12.757	184	154795	9.631	ng	98
78) Pyrene	12.868	202	323179	9.370	ng	98
80) Butylbenzylphthalate	13.480	149	129962	9.234	ng	95
81) Benzo(a)anthracene	14.057	228	274009	9.867	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	96085	10.541	ng	99
83) Chrysene	14.092	228	256036	9.768	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	168347	9.740	ng	98
85) Di-n-octyl phthalate	14.651	149	233030	9.421	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	182563	8.440	ng	98
88) Benzo(b)fluoranthene	15.115	252	225994	10.761	ng	99
89) Benzo(k)fluoranthene	15.145	252	214173	10.503	ng	98
90) Benzo(a)pyrene	15.492	252	199697	11.753	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	157086	9.010	ng	98
92) Benzo(g,h,i)perylene	17.521	276	155561	8.587	ng	98

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

Manual Integrations

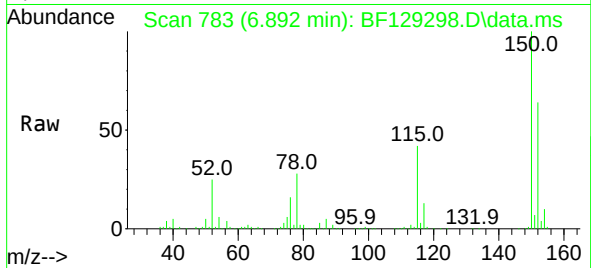
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

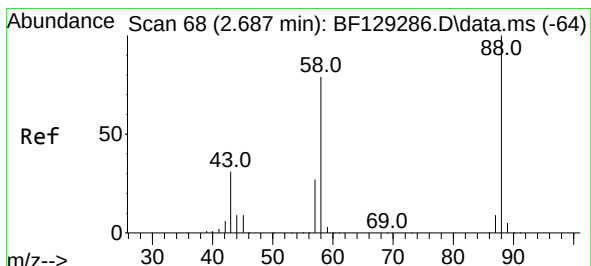
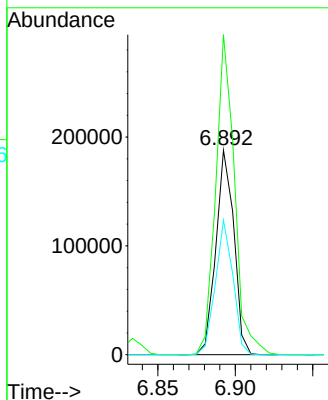
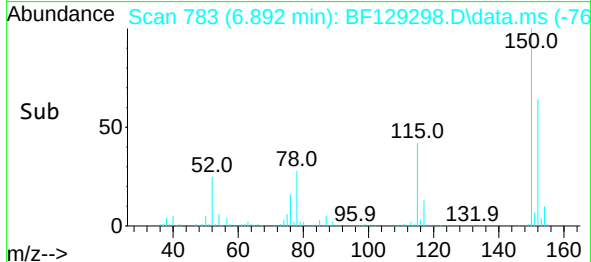
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:152 Resp: 15214
Ion Ratio Lower Upper
152 100
150 156.5 123.7 185.5
115 65.8 49.9 74.9

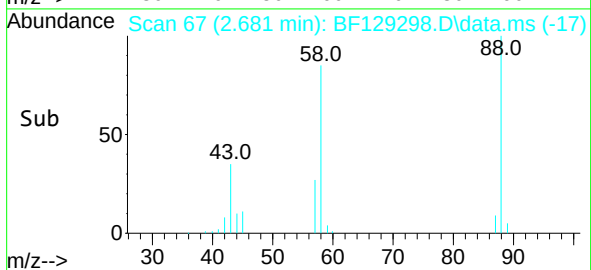
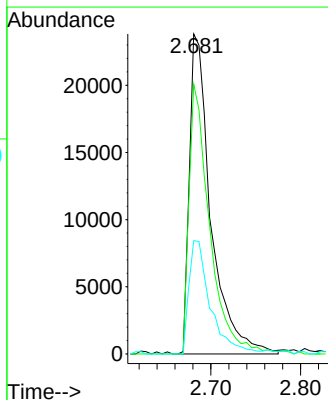
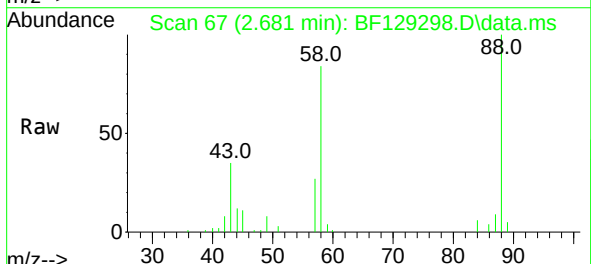
Manual Integrations
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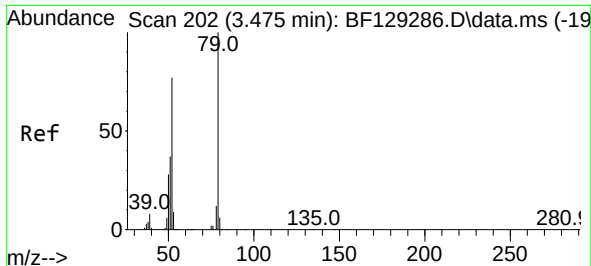
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#2
1,4-Dioxane
Concen: 9.576 ng
RT: 2.681 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

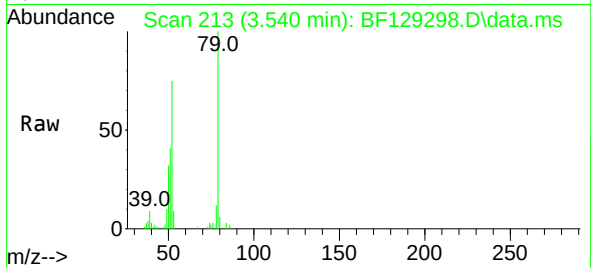
Tgt Ion: 88 Resp: 39607
Ion Ratio Lower Upper
88 100
58 81.3 71.8 107.8
43 35.3 26.6 39.8





#3
Pyridine
Concen: 10.456 ng m
RT: 3.540 min Scan# 21
Delta R.T. 0.065 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

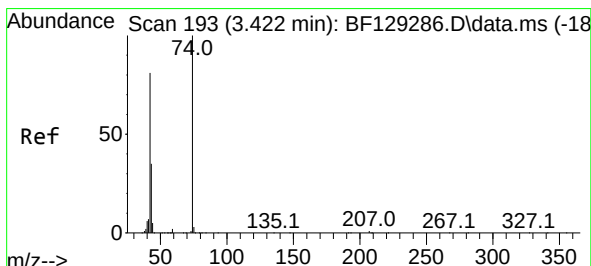
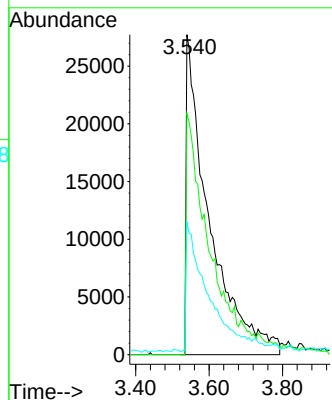
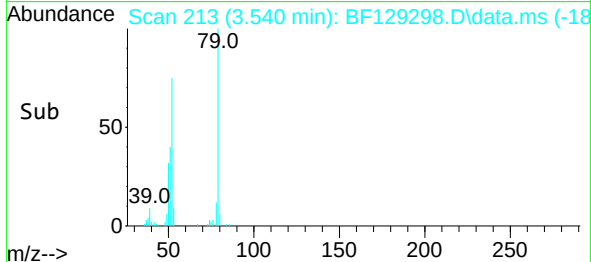
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 79 Resp: 11940
Ion Ratio Lower Upper
79 100
52 75.3 68.6 102.8
51 41.3 32.9 49.3

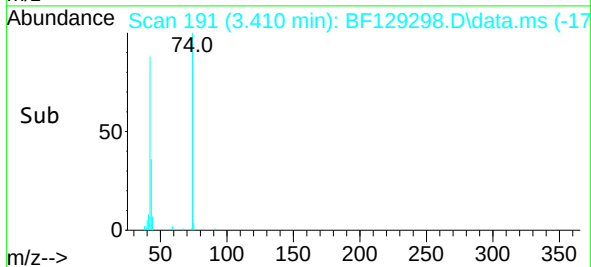
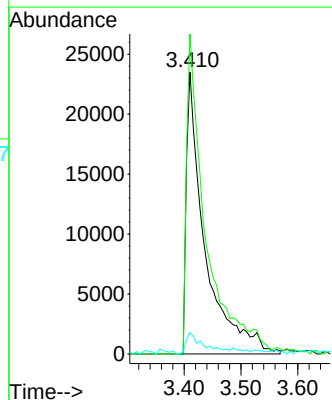
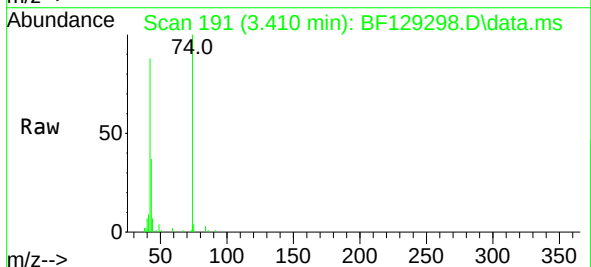
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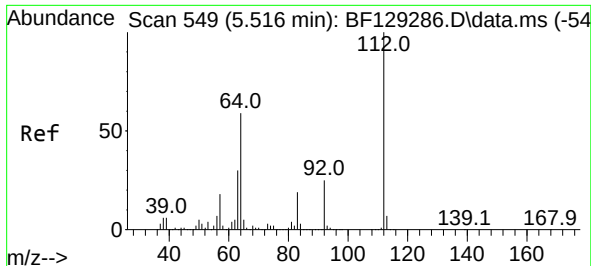
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#4
n-Nitrosodimethylamine
Concen: 10.356 ng
RT: 3.410 min Scan# 191
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

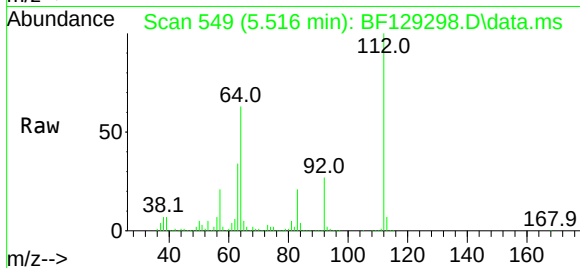
Tgt Ion: 42 Resp: 53099
Ion Ratio Lower Upper
42 100
74 113.6 94.8 142.2
44 7.6 6.6 10.0





#5
2-Fluorophenol
Concen: 149.613 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.000 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

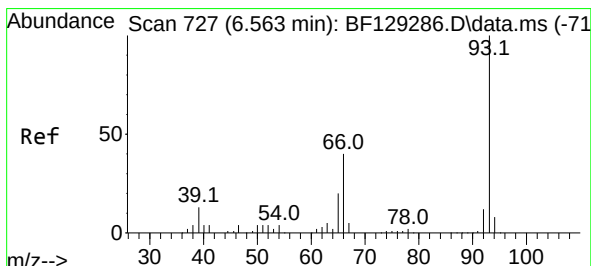
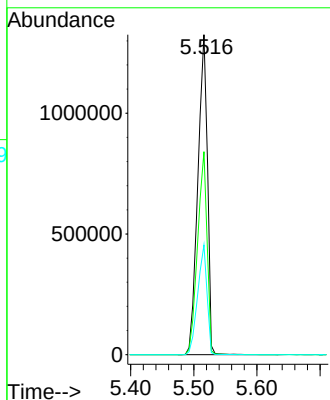
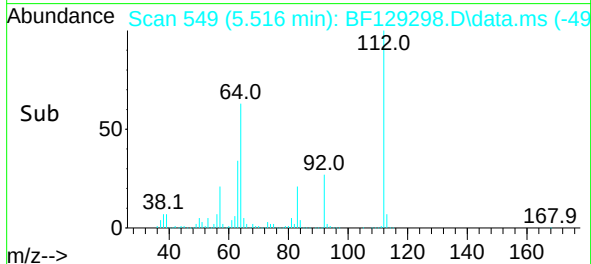
Instrument :
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LOQ-SOIL-02-QT2-2022



Tgt Ion:112 Resp: 139558
Ion Ratio Lower Upper
112 100
64 63.5 53.3 79.9
63 34.3 28.0 42.0

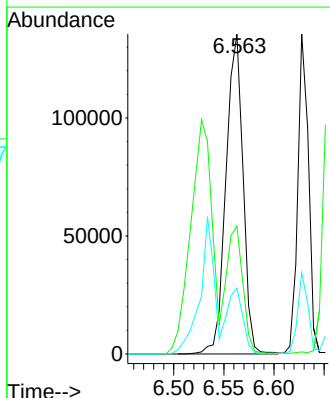
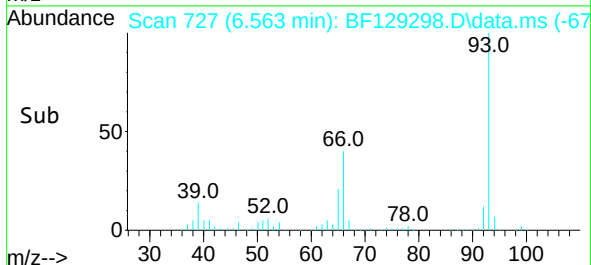
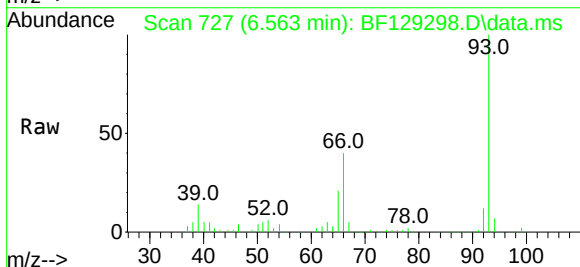
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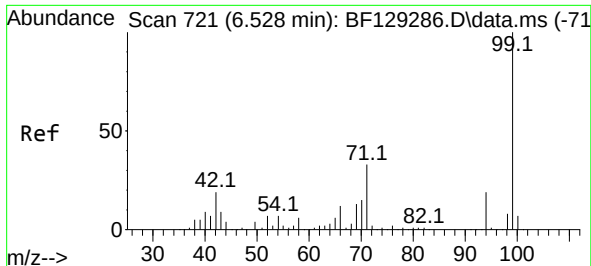
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#6
Aniline
Concen: 10.949 ng
RT: 6.563 min Scan# 727
Delta R.T. -0.000 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

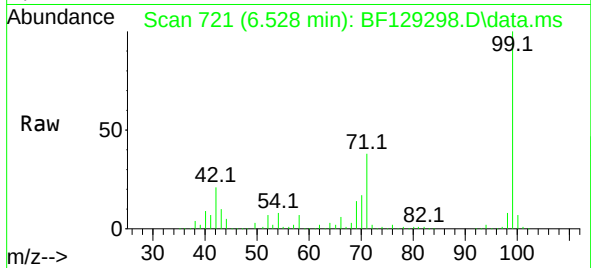
Tgt Ion: 93 Resp: 160195
Ion Ratio Lower Upper
93 100
66 40.0 32.5 48.7
65 20.6 16.4 24.6





#7
Phenol-d6
Concen: 150.302 ng
RT: 6.528 min Scan# 721
Delta R.T. 0.000 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

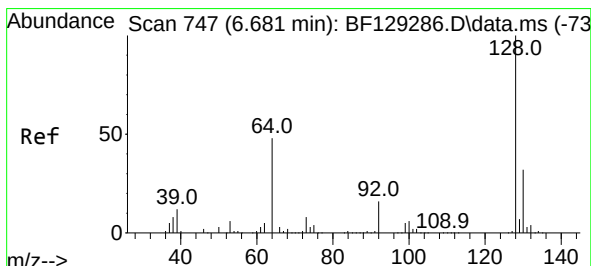
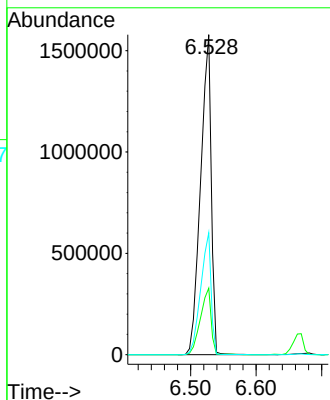
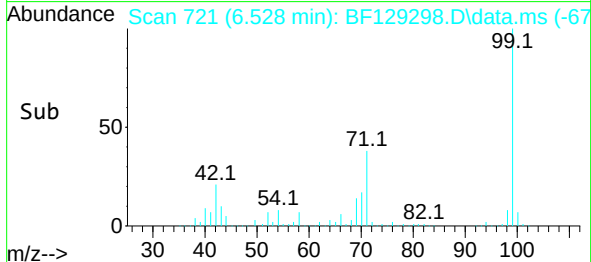
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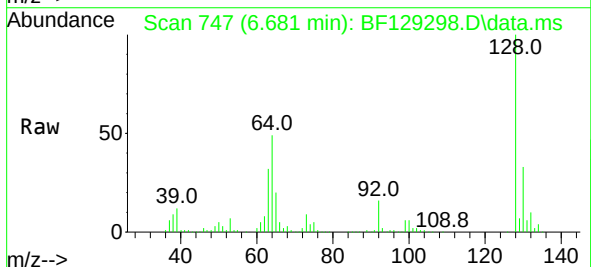
Tgt Ion: 99 Resp: 1787220
Ion Ratio Lower Upper
99 100
42 20.8 17.3 25.9
71 38.1 28.9 43.3

Manual Integrations
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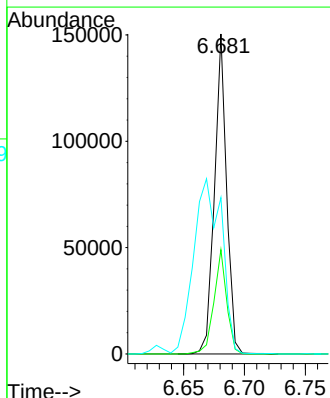
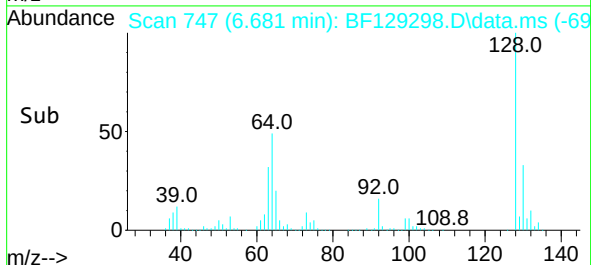
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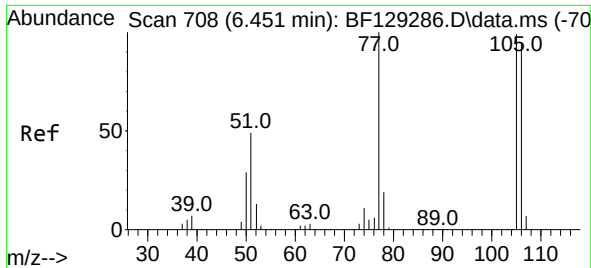


#8
2-Chlorophenol
Concen: 10.182 ng
RT: 6.681 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



Tgt Ion:128 Resp: 104118
Ion Ratio Lower Upper
128 100
130 32.6 13.1 53.1
64 48.9 30.9 70.9





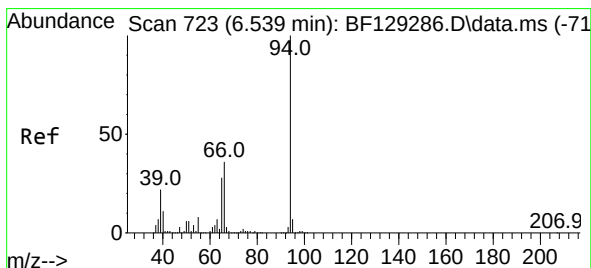
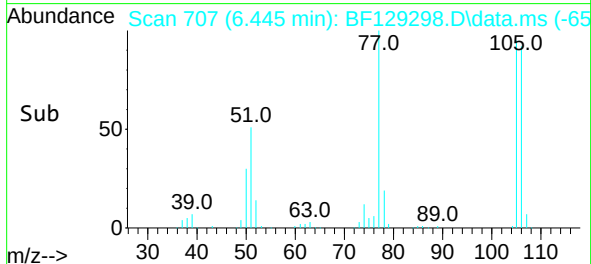
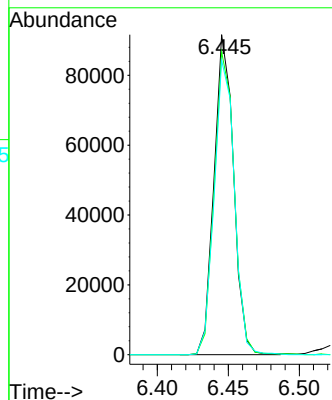
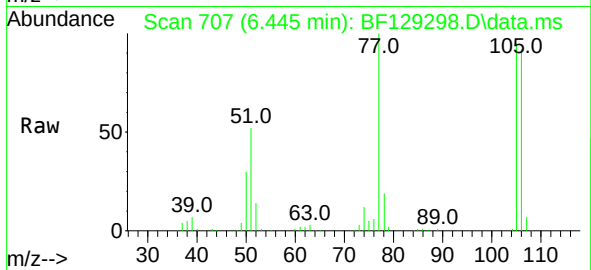
#9
Benzaldehyde
Concen: 10.751 ng
RT: 6.445 min Scan# 708
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion: 77 Resp: 87690
Ion Ratio Lower Upper
77 100
105 94.6 81.6 121.6
106 92.0 76.1 116.1

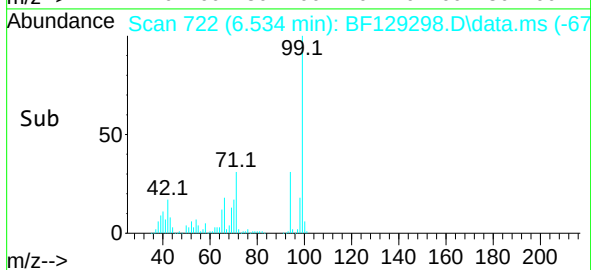
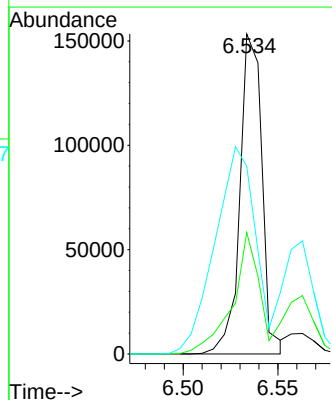
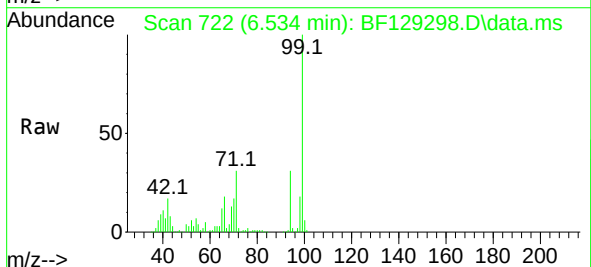
Manual Integrations
APPROVED

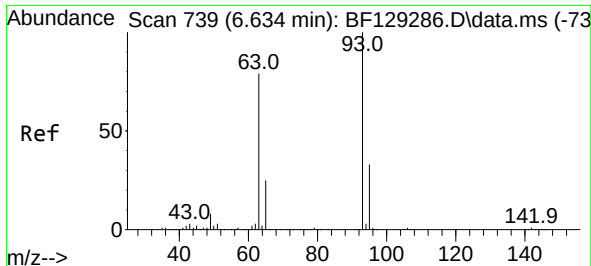
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#10
Phenol
Concen: 9.916 ng
RT: 6.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

Tgt Ion: 94 Resp: 123917
Ion Ratio Lower Upper
94 100
65 37.9 11.4 51.4
66 58.6 21.4 61.4





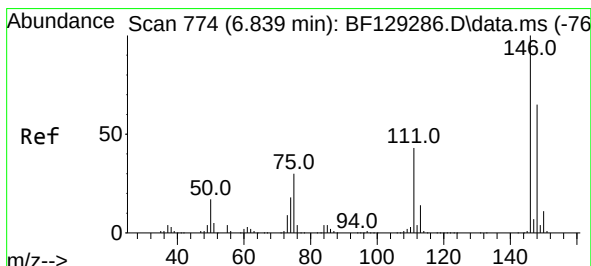
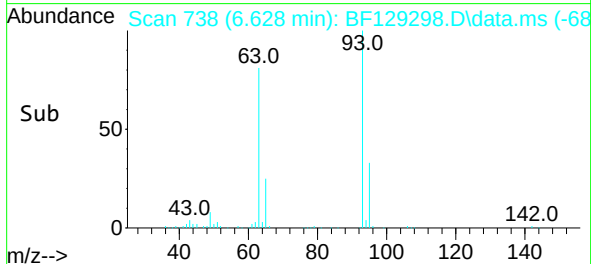
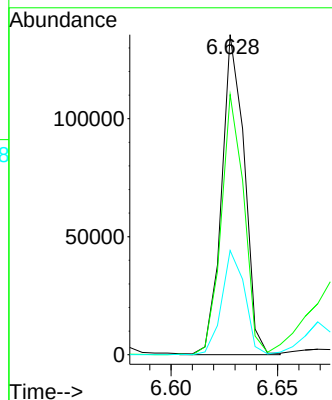
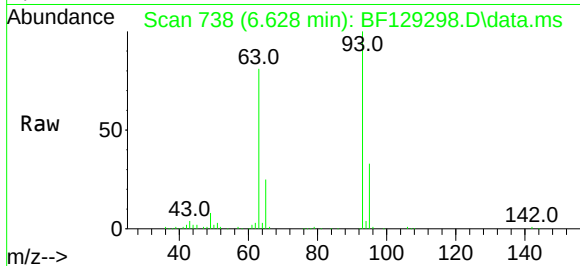
#11
bis(2-Chloroethyl)ether
Concen: 10.171 ng
RT: 6.628 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion: 93 Resp: 100615
Ion Ratio Lower Upper
93 100
63 81.3 67.4 107.4
95 32.5 12.7 52.7

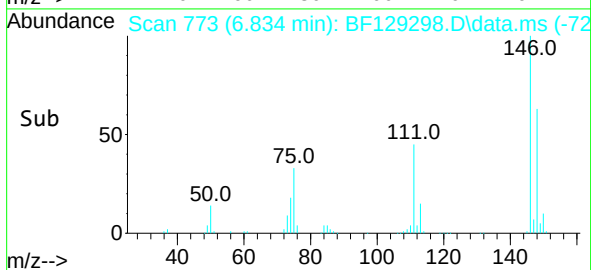
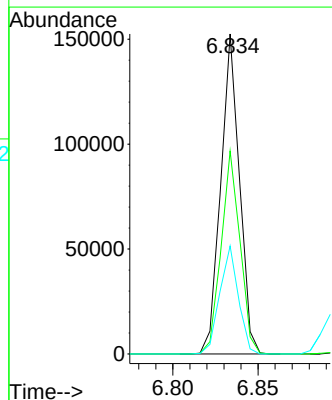
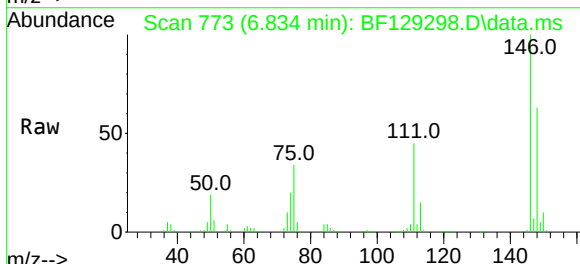
Manual Integrations
APPROVED

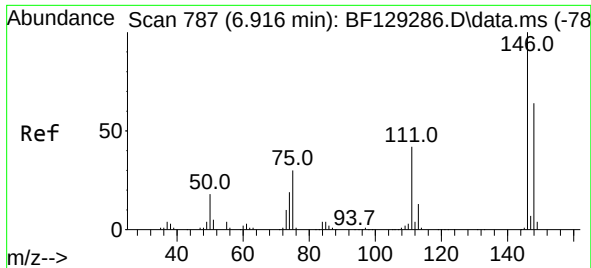
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#12
1,3-Dichlorobenzene
Concen: 10.582 ng
RT: 6.834 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

Tgt Ion:146 Resp: 116626
Ion Ratio Lower Upper
146 100
148 63.4 50.6 75.8
75 33.7 26.3 39.5





#13

1,4-Dichlorobenzene

Concen: 10.490 ng

RT: 6.910 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2022

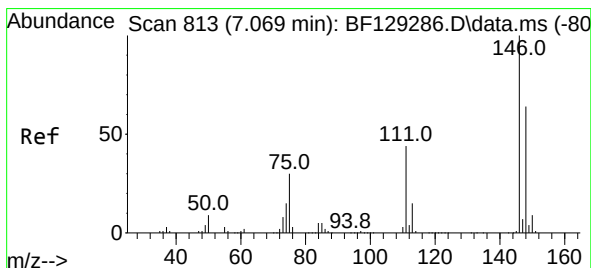
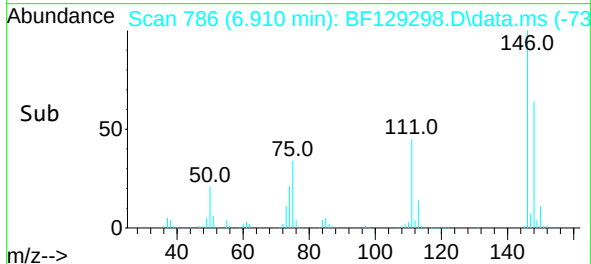
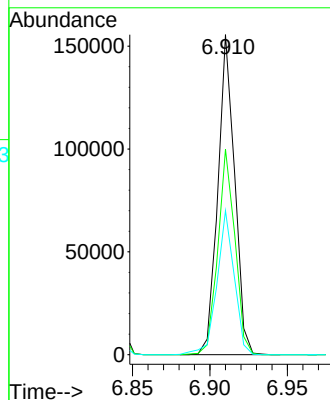
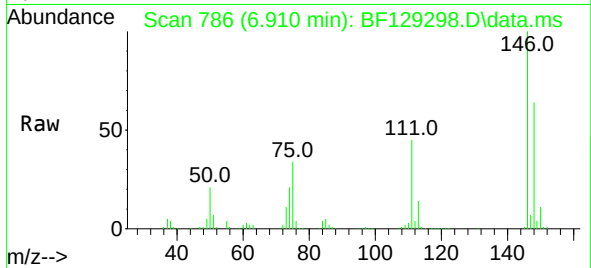
Tgt Ion:146 Resp: 11698
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.1 76.7
 111 45.0 34.2 51.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#14

1,2-Dichlorobenzene

Concen: 10.547 ng

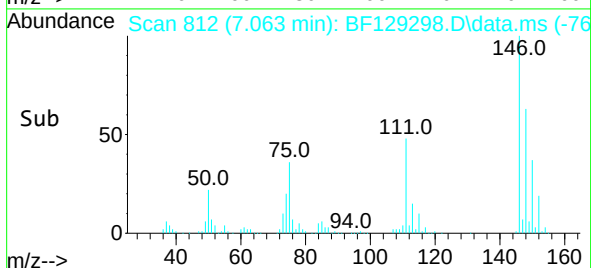
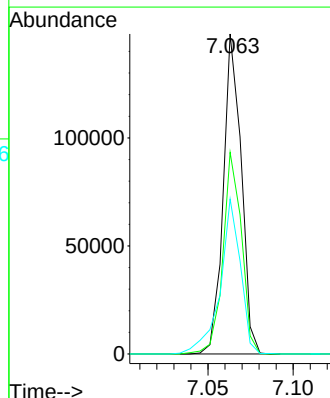
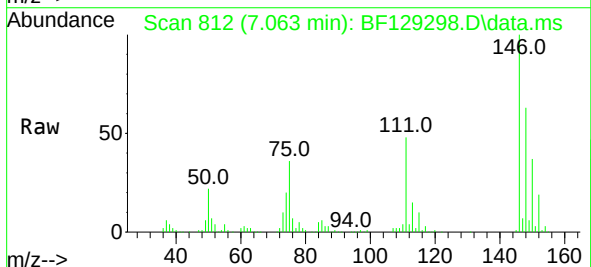
RT: 7.063 min Scan# 812

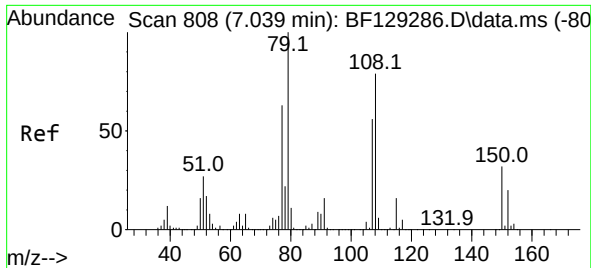
Delta R.T. -0.006 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

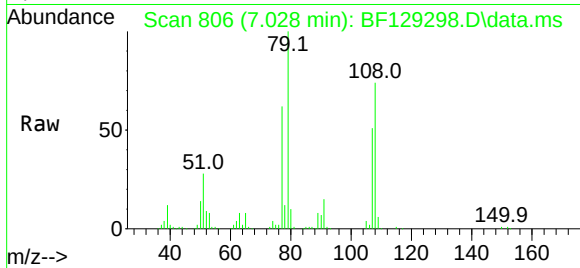
Tgt Ion:146 Resp: 108674
 Ion Ratio Lower Upper
 146 100
 148 63.0 51.8 77.8
 111 48.5 35.1 52.7





#15
Benzyl Alcohol
Concen: 11.927 ng
RT: 7.028 min Scan# 808
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

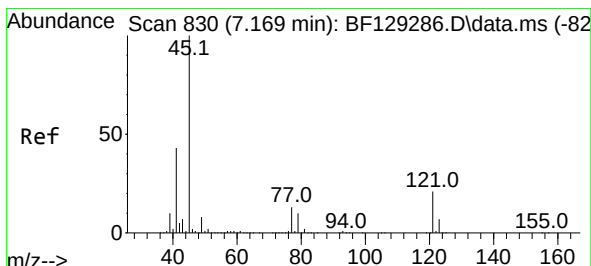
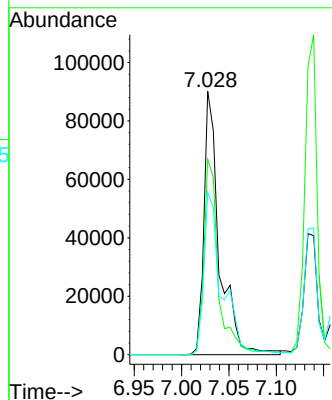
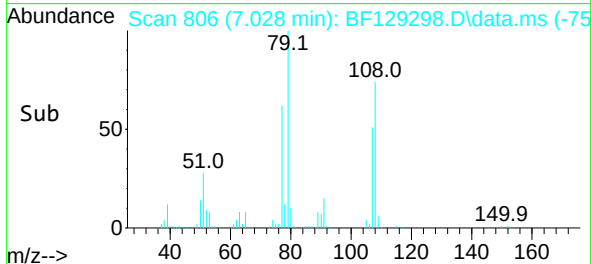
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



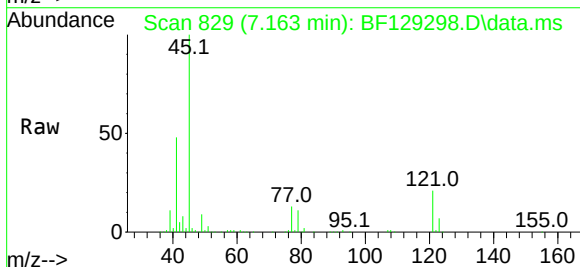
Tgt Ion: 79 Resp: 102892
Ion Ratio Lower Upper
79 100
108 74.2 61.8 92.6
77 61.6 50.2 75.4

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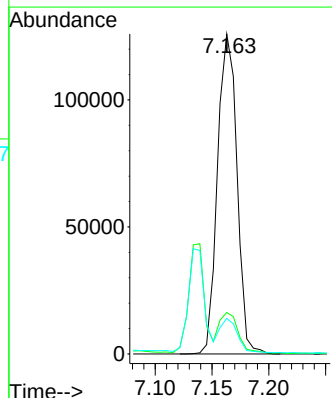
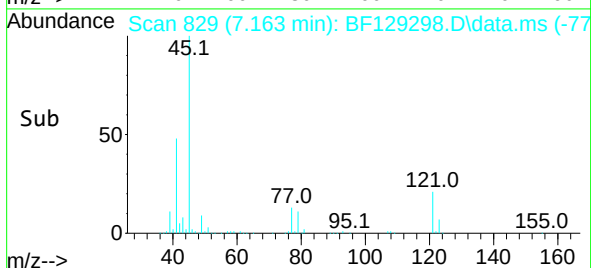
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

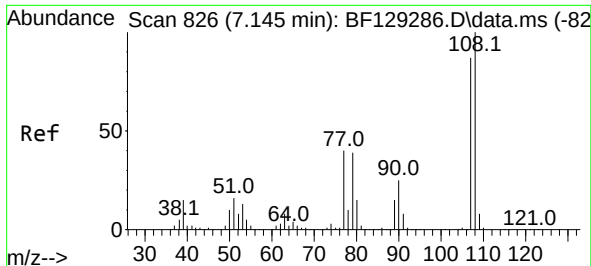


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.943 ng
RT: 7.163 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



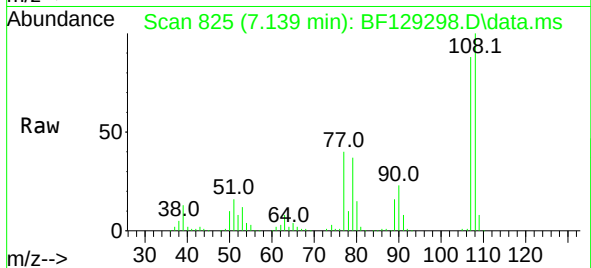
Tgt Ion: 45 Resp: 149951
Ion Ratio Lower Upper
45 100
77 13.0 0.0 31.3
79 11.1 0.0 28.3





#17
2-Methylphenol
Concen: 10.264 ng
RT: 7.139 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

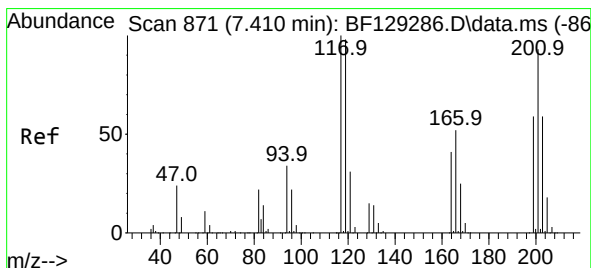
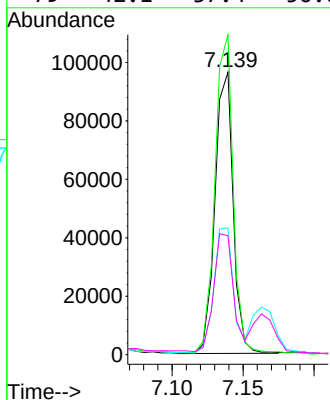
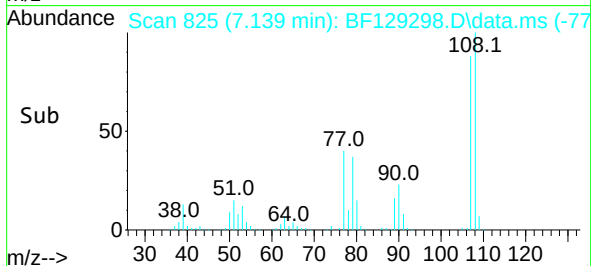
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:107 Resp: 85530
Ion Ratio Lower Upper
107 100
108 113.3 91.9 137.9
77 44.9 37.8 56.8
79 42.1 37.4 56.0

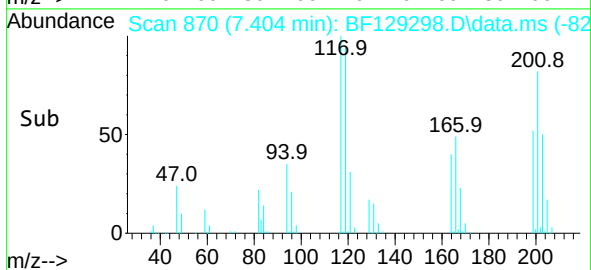
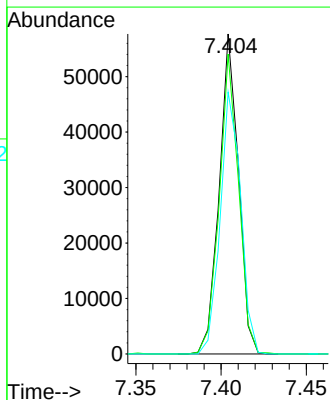
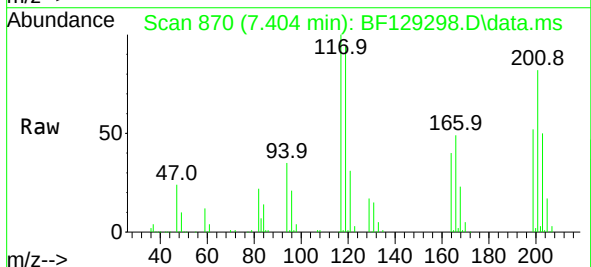
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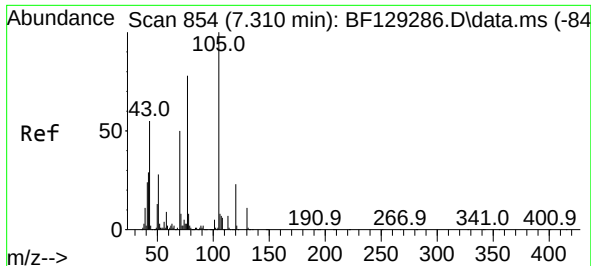
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#18
Hexachloroethane
Concen: 10.853 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

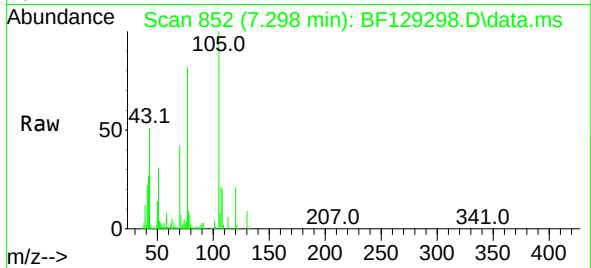
Tgt Ion:117 Resp: 45410
Ion Ratio Lower Upper
117 100
119 93.7 77.4 116.2
201 81.9 84.6 127.0#





#19
n-Nitroso-di-n-propylamine
Concen: 10.738 ng
RT: 7.298 min Scan# 851
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

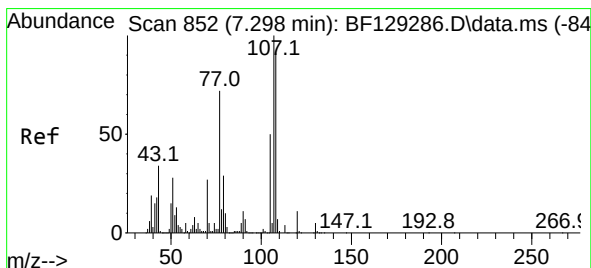
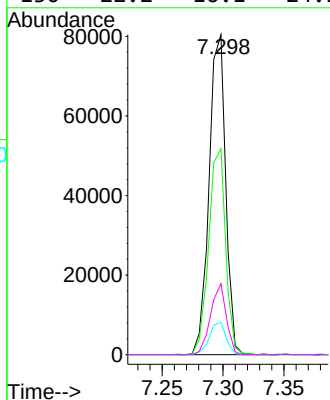
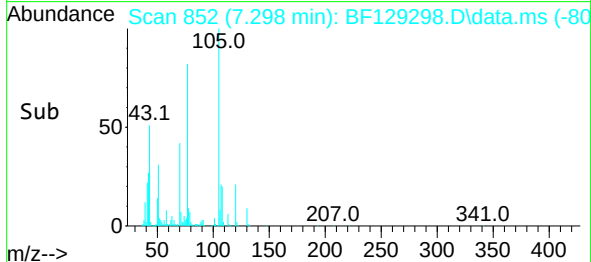
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



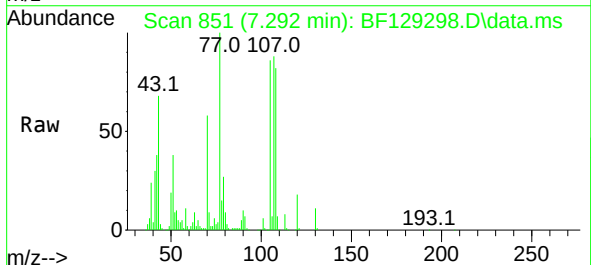
Tgt Ion: 70 Resp: 76078
Ion Ratio Lower Upper
70 100
42 64.4 52.3 78.5
101 10.1 7.5 11.3
130 22.2 16.1 24.1

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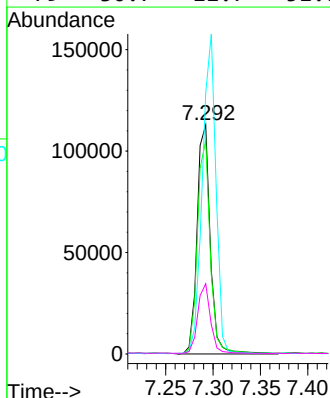
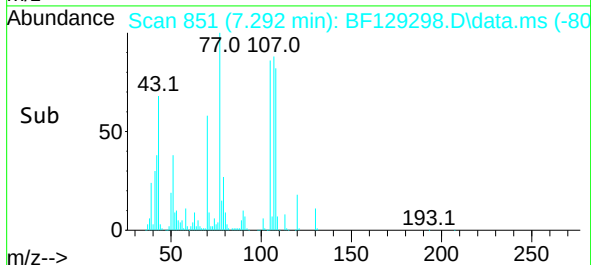
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

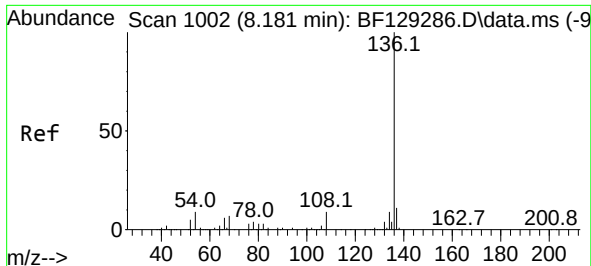


#20
3+4-Methylphenols
Concen: 10.086 ng
RT: 7.292 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



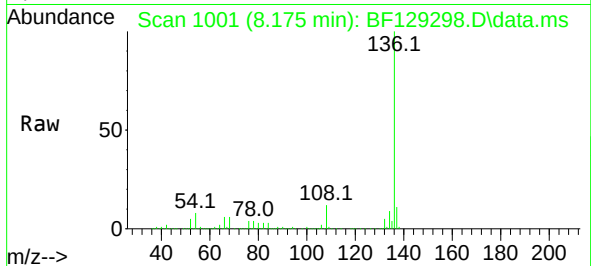
Tgt Ion:107 Resp: 109627
Ion Ratio Lower Upper
107 100
108 93.0 71.8 111.8
77 113.9 59.3 99.3#
79 30.7 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

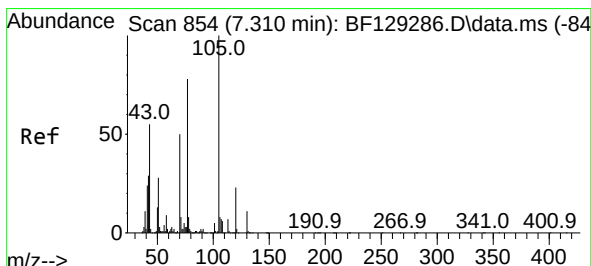
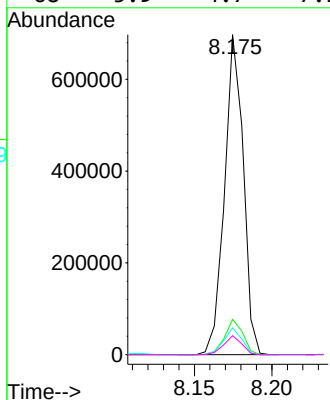
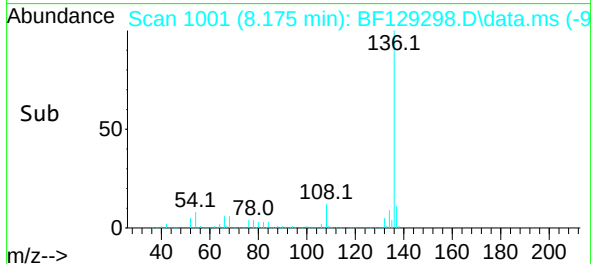
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:136 Resp: 586250
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.4 7.5 11.3
68 5.9 4.7 7.1

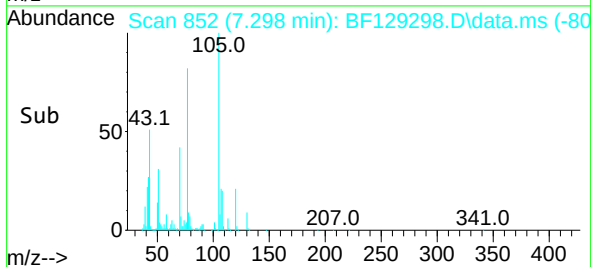
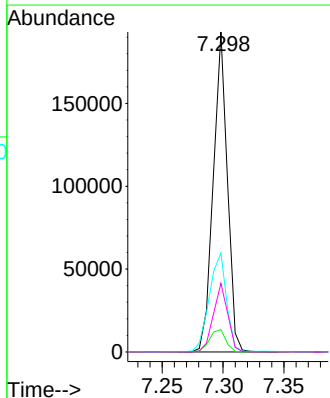
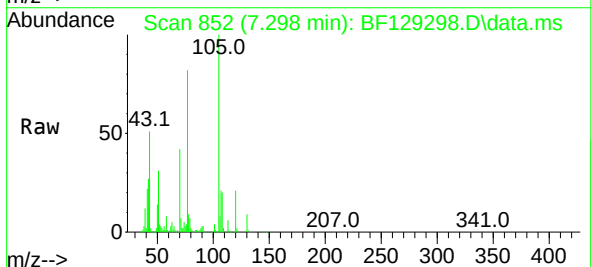
Manual Integrations
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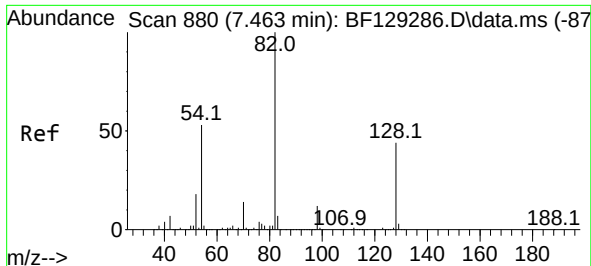
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#22
Acetophenone
Concen: 11.273 ng
RT: 7.298 min Scan# 852
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

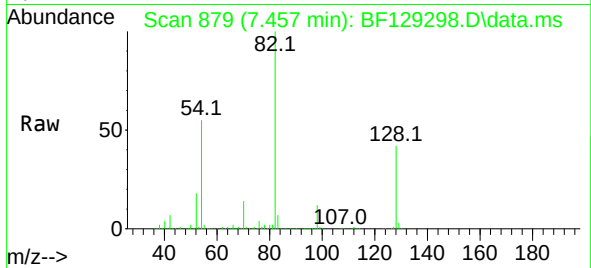
Tgt Ion:105 Resp: 155170
Ion Ratio Lower Upper
105 100
71 7.0 5.0 7.4
51 31.0 25.0 37.4
120 21.5 17.8 26.8





#23
Nitrobenzene-d5
Concen: 88.940 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

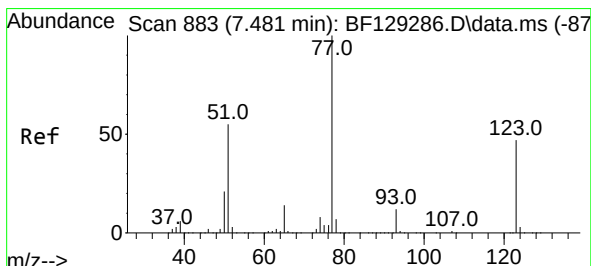
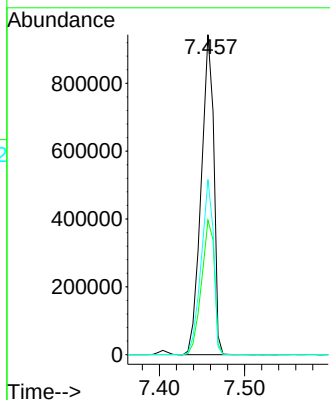
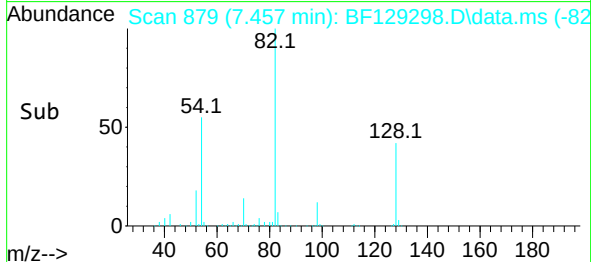
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



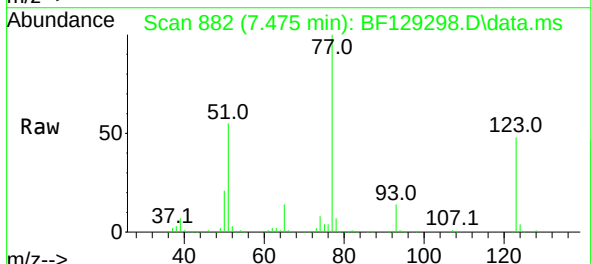
Tgt Ion: 82 Resp: 96918
Ion Ratio Lower Upper
82 100
128 42.0 34.0 51.0
54 54.8 46.9 70.3

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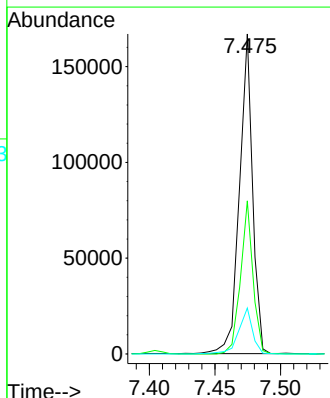
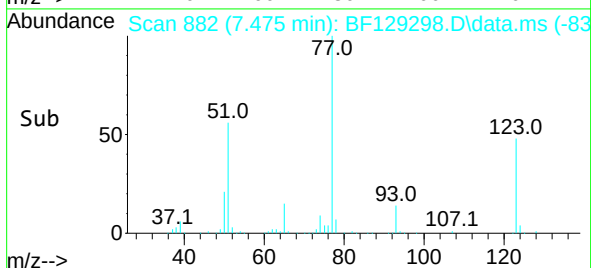
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

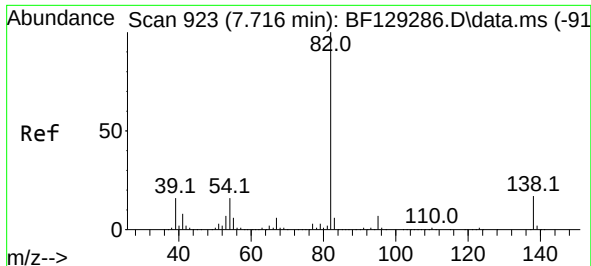


#24
Nitrobenzene
Concen: 10.379 ng
RT: 7.475 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



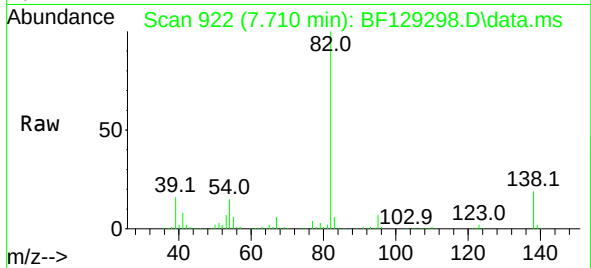
Tgt Ion: 77 Resp: 116491
Ion Ratio Lower Upper
77 100
123 47.9 35.4 53.2
65 14.3 11.8 17.8





#25
Isophorone
Concen: 10.768 ng
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

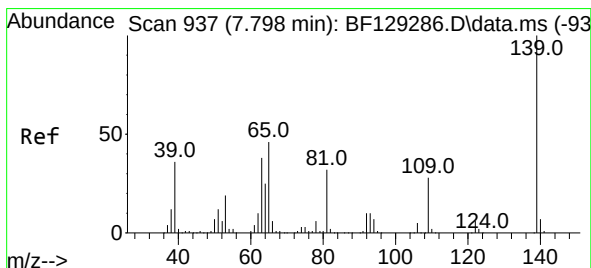
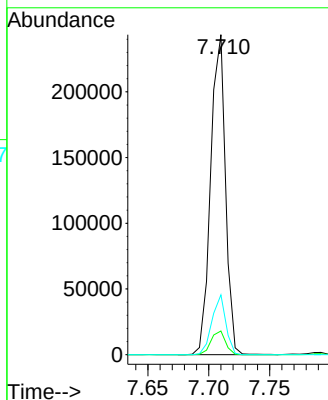
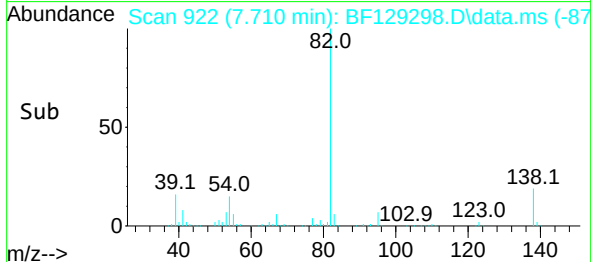
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



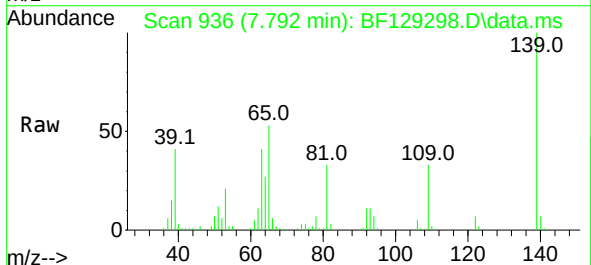
Tgt Ion: 82 Resp: 206008
Ion Ratio Lower Upper
82 100
95 7.4 5.7 8.5
138 18.7 14.2 21.2

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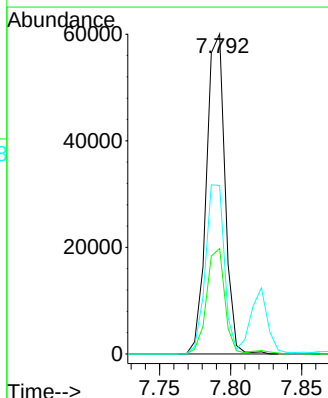
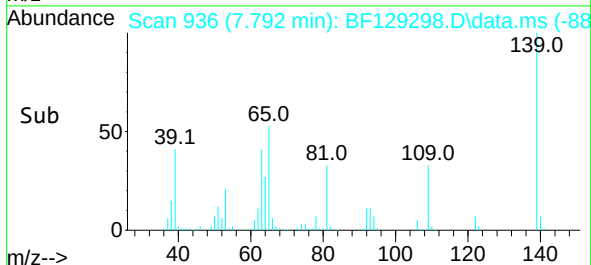
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

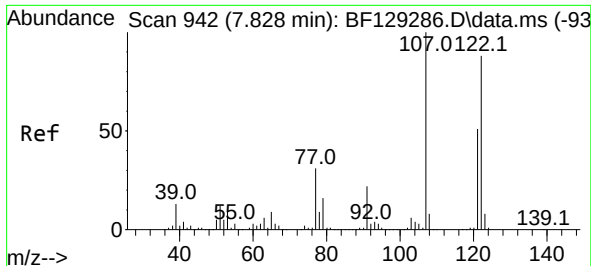


#26
2-Nitrophenol
Concen: 10.075 ng
RT: 7.792 min Scan# 936
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



Tgt Ion:139 Resp: 54560
Ion Ratio Lower Upper
139 100
109 33.0 25.0 37.4
65 52.7 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 11.826 ng m

RT: 7.822 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

Instrument :

BNA_F

ClientSampleId :

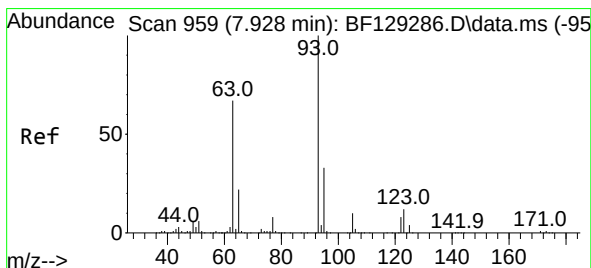
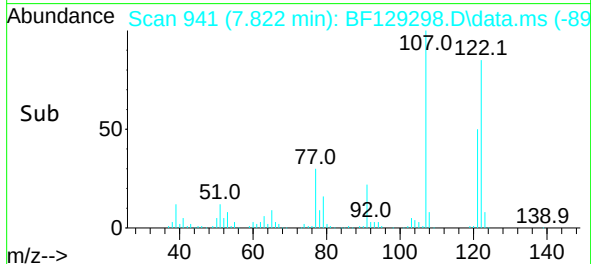
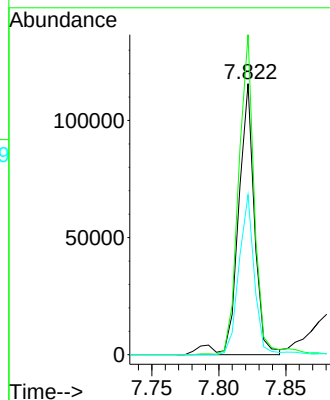
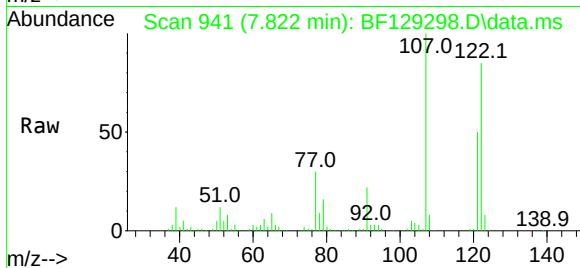
LOQ-SOIL-02-QT2-2022

Tgt Ion:	122	Resp:	9634
Ion Ratio	Lower	Upper	
122	100		
107	118.0	93.0	139.6
121	59.0	46.6	70.0

Manual Integrations

APPROVED

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



#28

bis(2-Chloroethoxy)methane

Concen: 11.374 ng

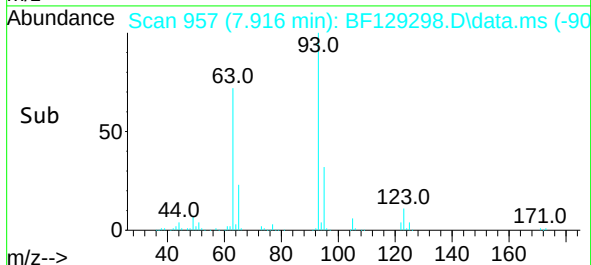
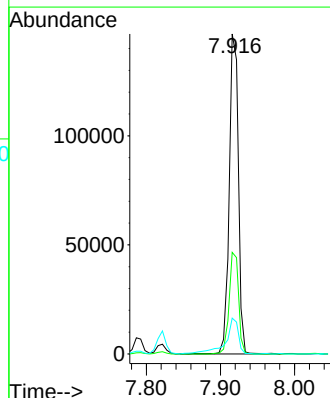
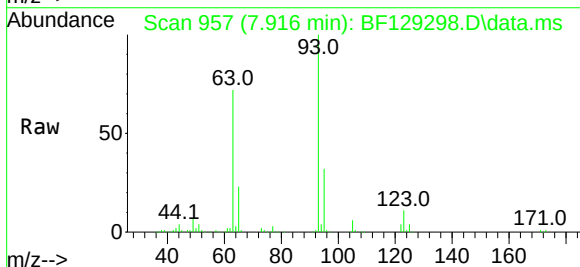
RT: 7.916 min Scan# 957

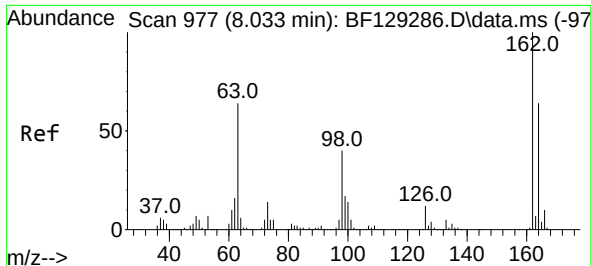
Delta R.T. -0.012 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

Tgt Ion:	93	Resp:	126061
Ion Ratio	Lower	Upper	
93	100		
95	31.7	26.8	40.2
123	11.2	9.2	13.8





#29

2,4-Dichlorophenol

Concen: 10.226 ng

RT: 8.028 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2022

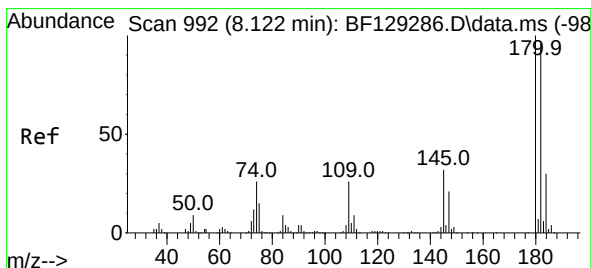
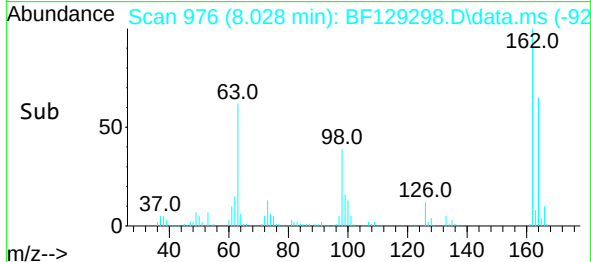
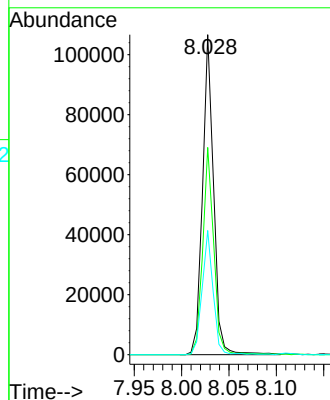
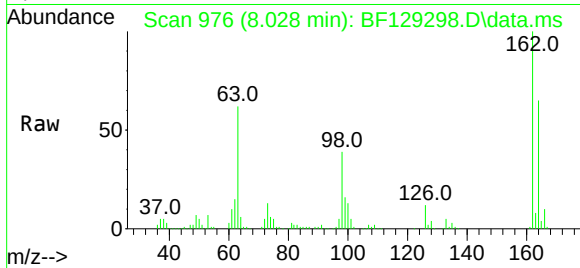
Tgt Ion:162	Resp:	86654
Ion Ratio	Lower	Upper
162	100	
164	64.8	44.2 84.2
98	38.8	19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#30

1,2,4-Trichlorobenzene

Concen: 10.493 ng

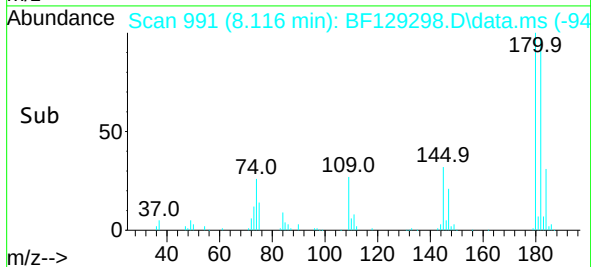
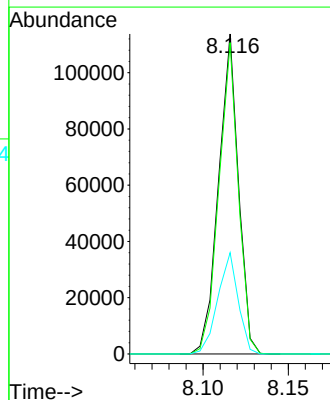
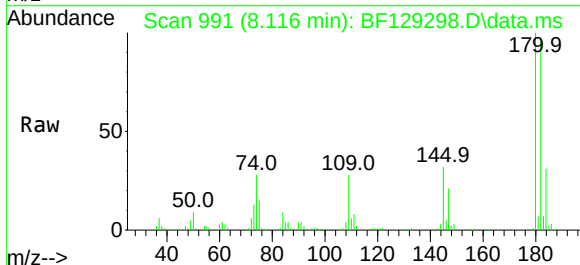
RT: 8.116 min Scan# 991

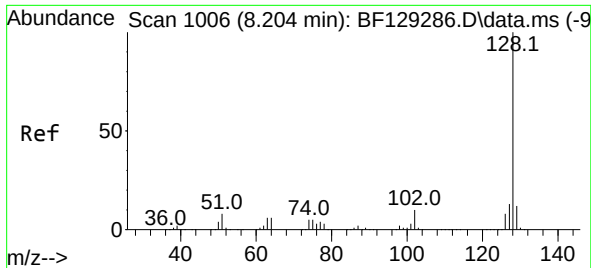
Delta R.T. -0.006 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

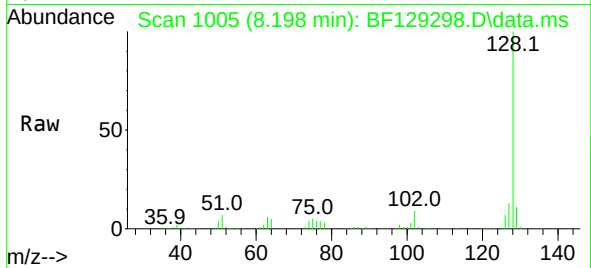
Tgt Ion:180	Resp:	92411
Ion Ratio	Lower	Upper
180	100	
182	97.3	79.2 118.8
145	31.7	26.2 39.2





#31
Naphthalene
Concen: 10.449 ng
RT: 8.198 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

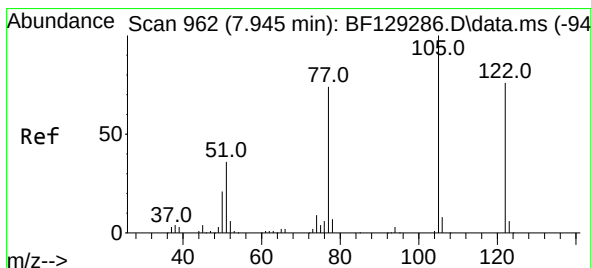
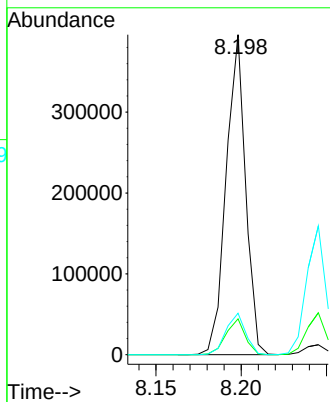
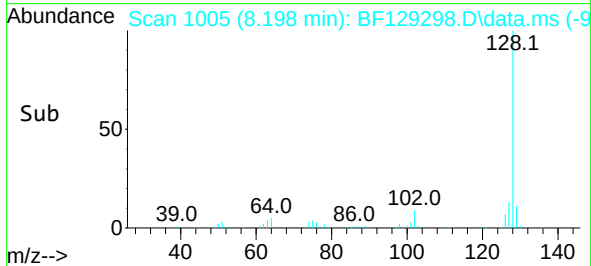
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:128 Resp: 31418
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.0 10.5 15.7

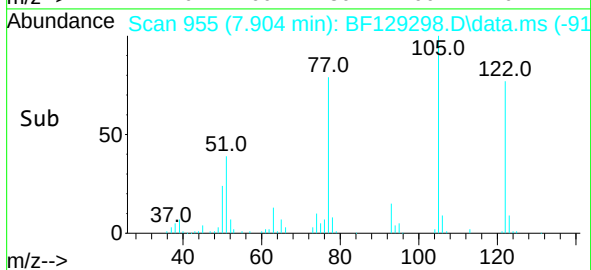
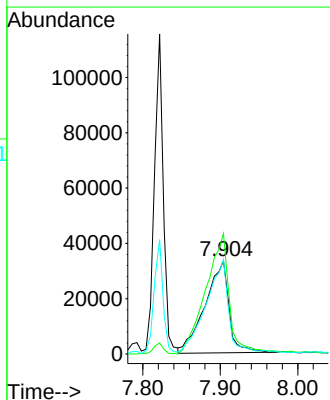
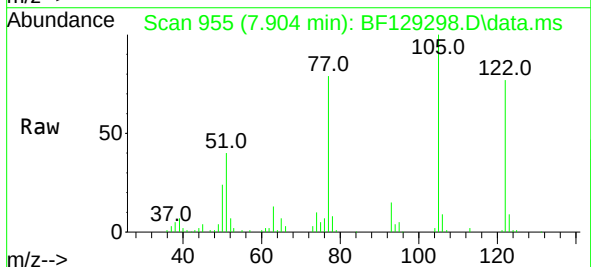
Manual Integrations
APPROVED

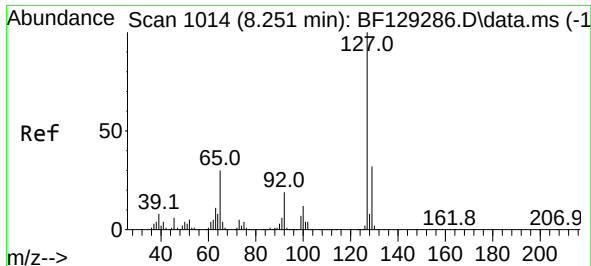
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#32
Benzoic acid
Concen: 11.997 ng
RT: 7.904 min Scan# 955
Delta R.T. -0.041 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

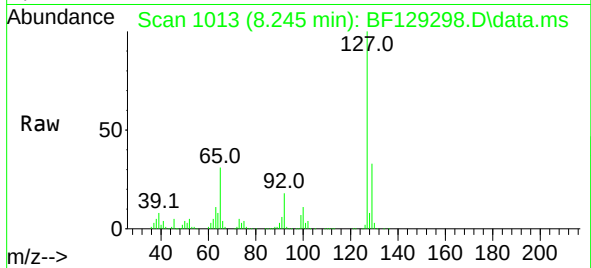
Tgt Ion:122 Resp: 71438
Ion Ratio Lower Upper
122 100
105 129.0 107.1 147.1
77 101.5 74.2 114.2





#33
4-Chloroaniline
Concen: 10.498 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

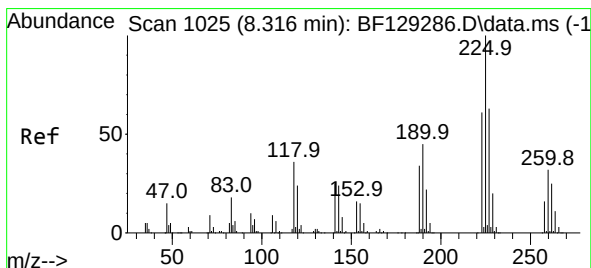
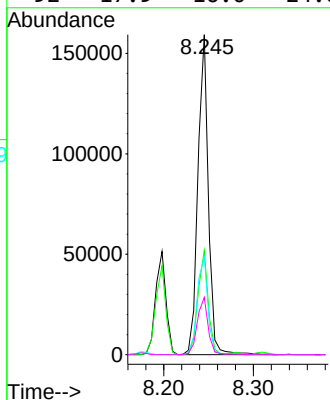
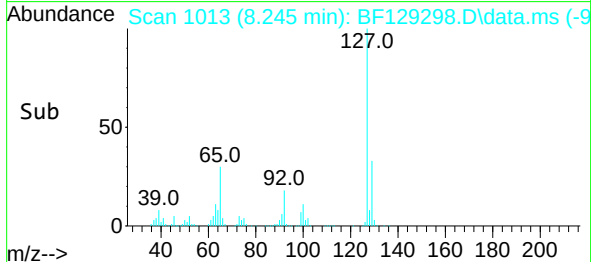
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:127 Resp: 128744
Ion Ratio Lower Upper
127 100
129 32.6 26.4 39.6
65 30.5 26.4 39.6
92 17.9 16.0 24.0

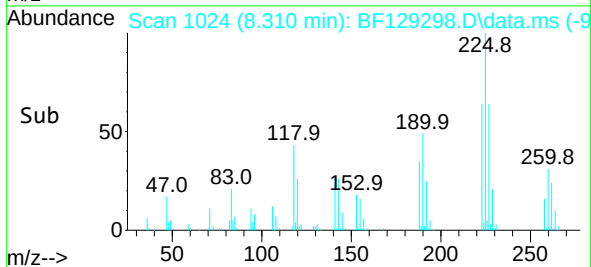
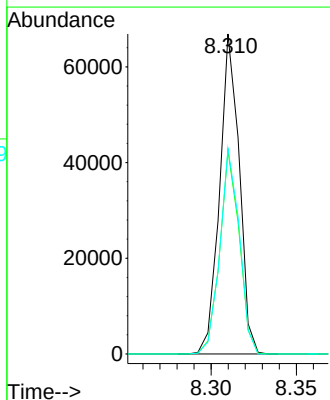
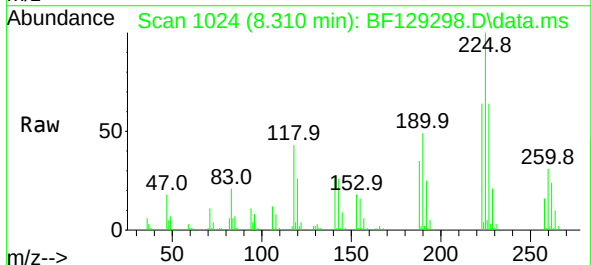
Manual Integrations
APPROVED

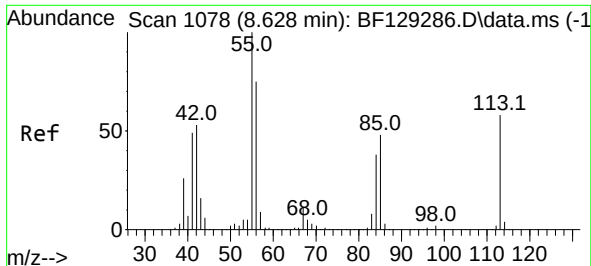
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#34
Hexachlorobutadiene
Concen: 10.615 ng
RT: 8.310 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

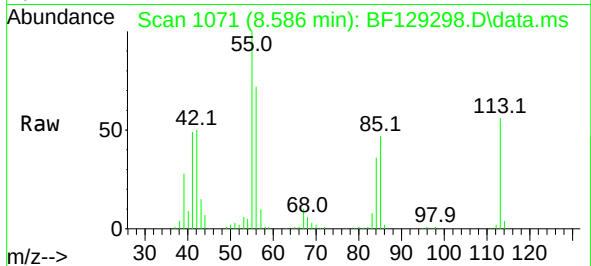
Tgt Ion:225 Resp: 53434
Ion Ratio Lower Upper
225 100
223 63.5 51.0 76.6
227 64.3 51.1 76.7





#35
Caprolactam
Concen: 10.234 ng
RT: 8.586 min Scan# 1071
Delta R.T. -0.041 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

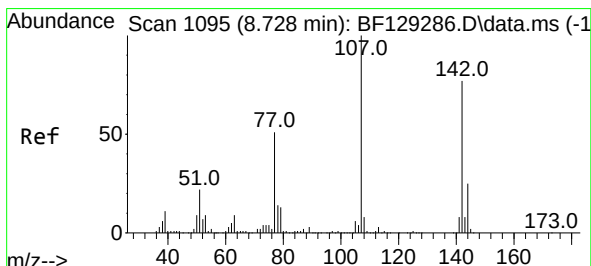
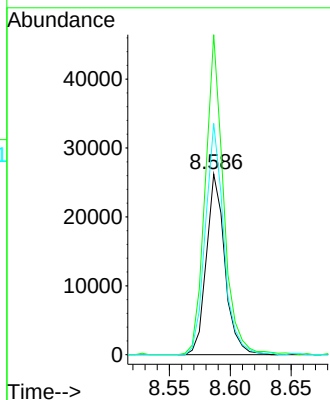
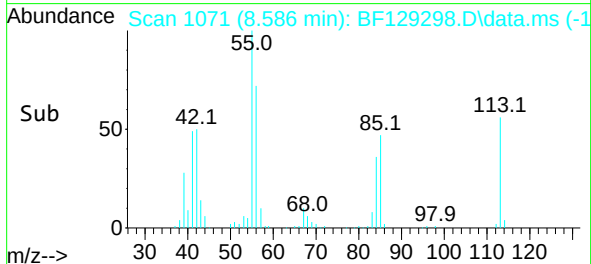
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:113 Resp: 27660
Ion Ratio Lower Upper
113 100
55 177.2 188.5 228.5
56 128.0 130.6 170.6

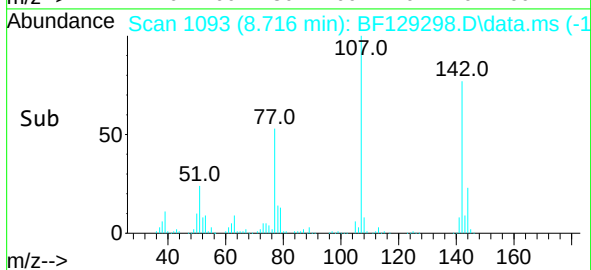
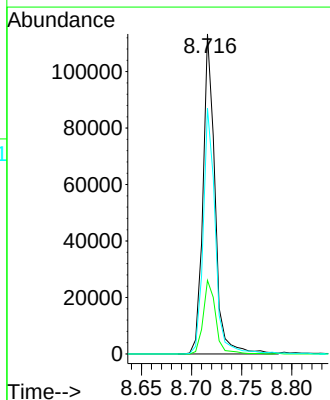
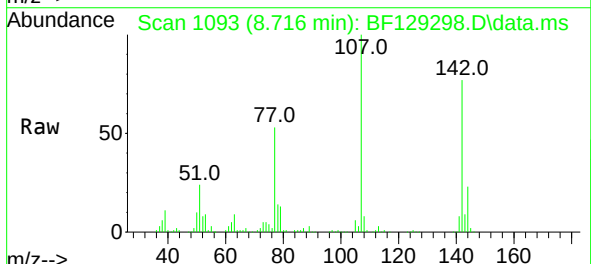
Manual Integrations
APPROVED

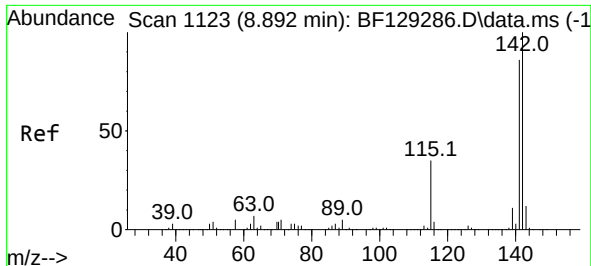
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#36
4-Chloro-3-methylphenol
Concen: 10.537 ng
RT: 8.716 min Scan# 1093
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

Tgt Ion:107 Resp: 94866
Ion Ratio Lower Upper
107 100
144 23.0 19.5 29.3
142 76.7 58.2 87.4





#37

2-Methylnaphthalene

Concen: 10.650 ng

RT: 8.886 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:142 Resp: 207502

Ion Ratio Lower Upper

142 100

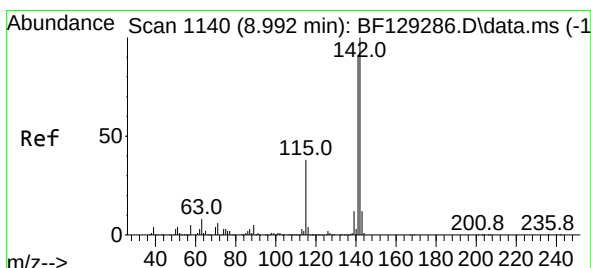
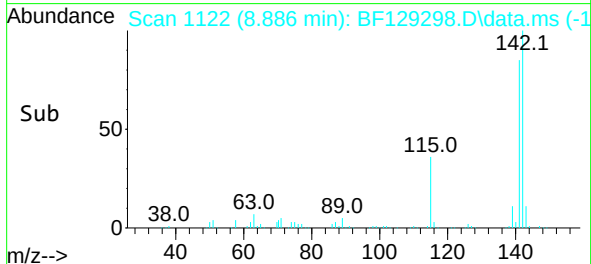
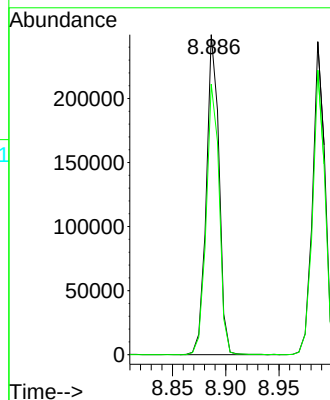
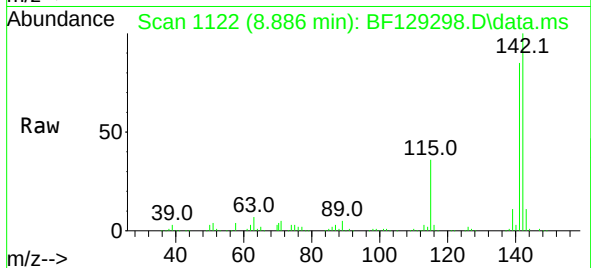
141 84.6 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#38

1-Methylnaphthalene

Concen: 10.353 ng

RT: 8.986 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF129298.D

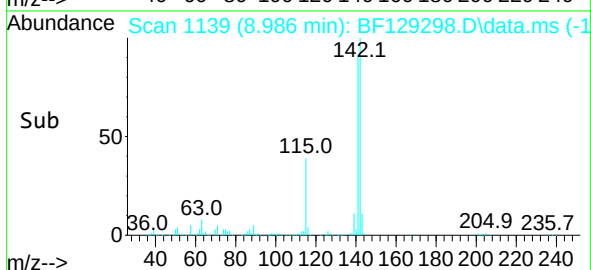
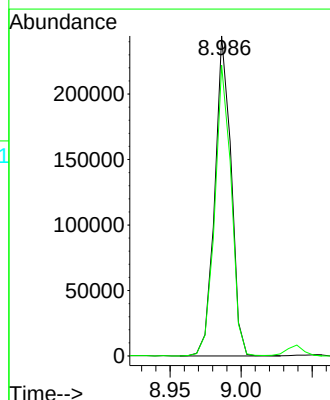
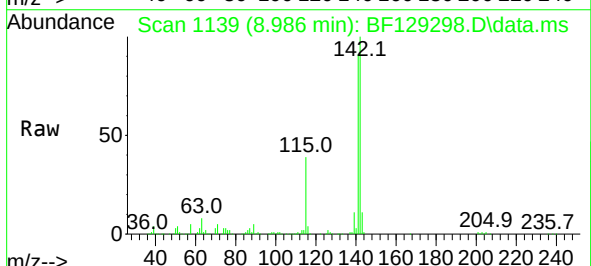
Acq: 21 Jul 2022 16:00

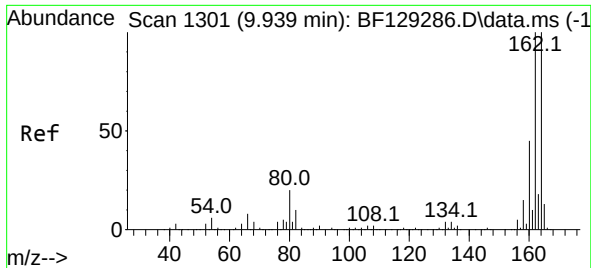
Tgt Ion:142 Resp: 195166

Ion Ratio Lower Upper

142 100

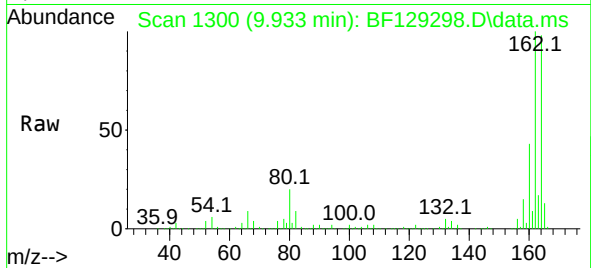
141 90.9 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

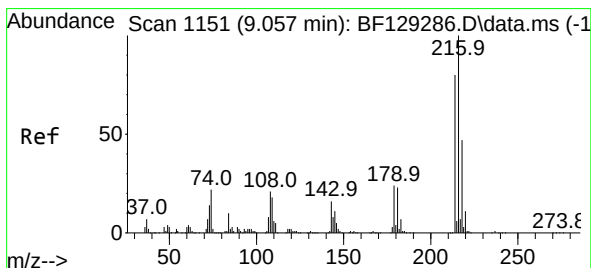
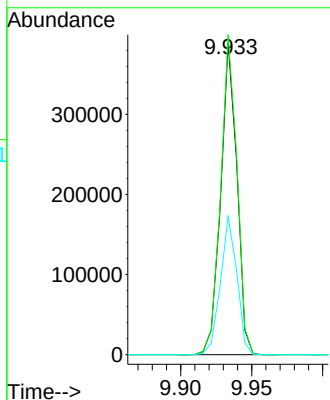
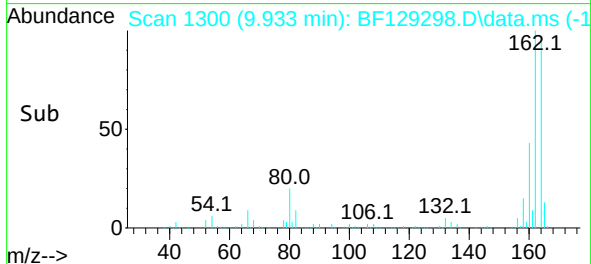
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



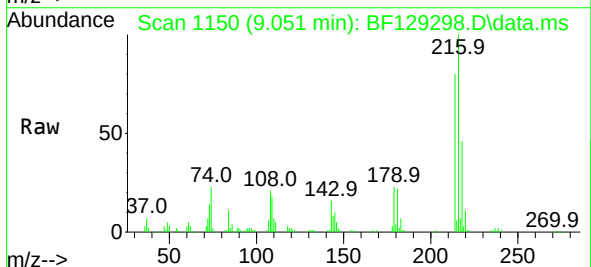
Tgt Ion:164 Resp: 30896
Ion Ratio Lower Upper
164 100
162 102.4 79.5 119.3
160 44.3 34.2 51.4

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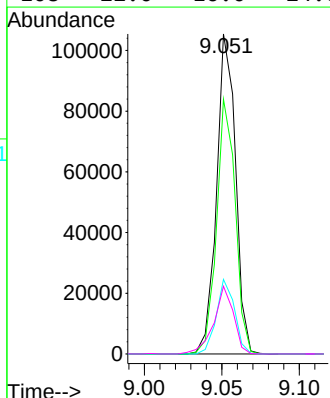
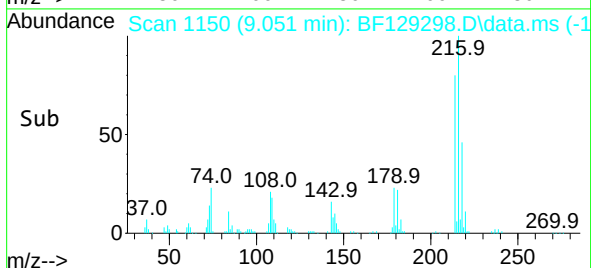
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

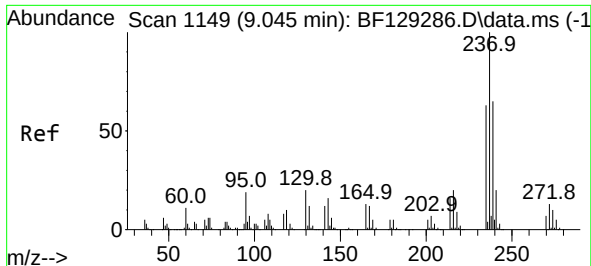


#40
1,2,4,5-Tetrachlorobenzene
Concen: 11.031 ng
RT: 9.051 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



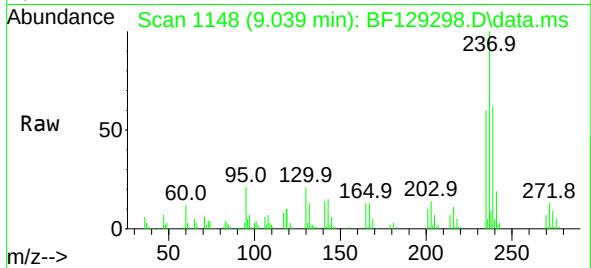
Tgt Ion:216 Resp: 89473
Ion Ratio Lower Upper
216 100
214 78.4 63.6 95.4
179 22.5 17.0 25.6
108 22.0 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 12.228 ng
RT: 9.039 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

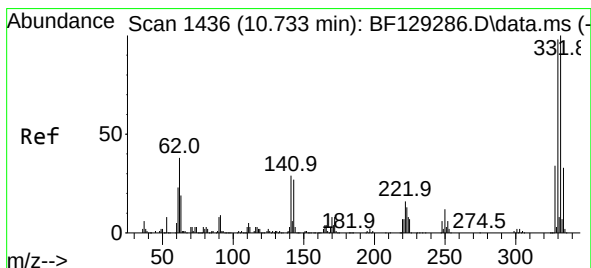
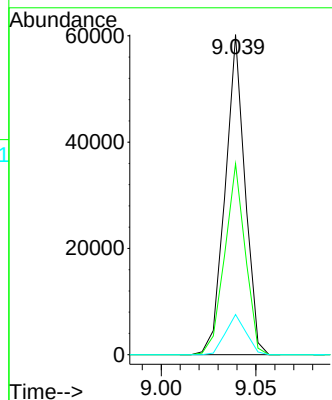
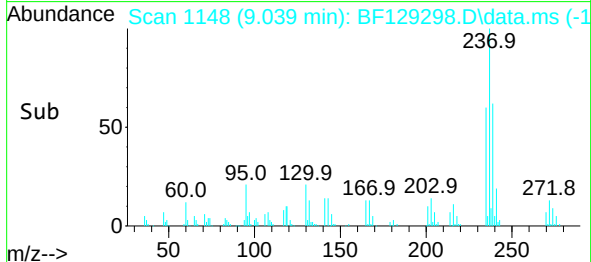
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



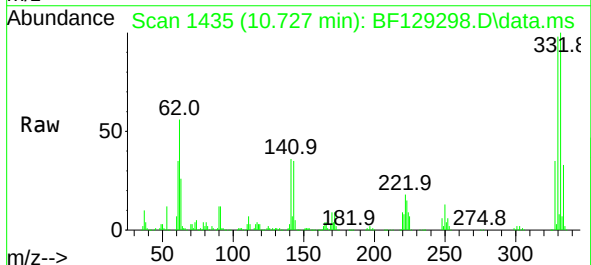
Tgt Ion:237 Resp: 43718
Ion Ratio Lower Upper
237 100
235 59.6 43.2 83.2
272 12.6 0.0 31.9

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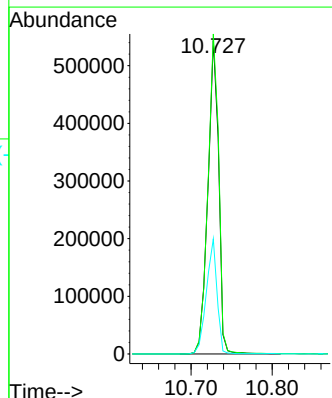
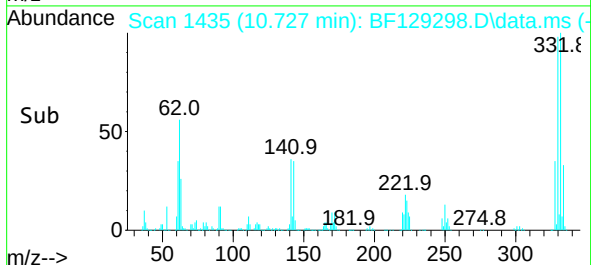
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

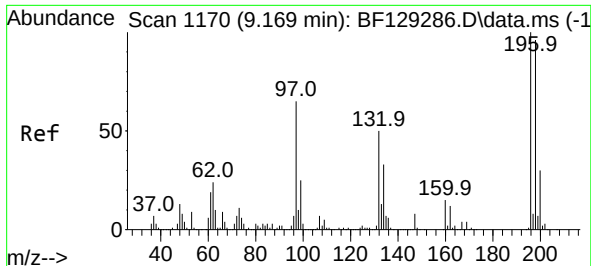


#42
2,4,6-Tribromophenol
Concen: 168.188 ng
RT: 10.727 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



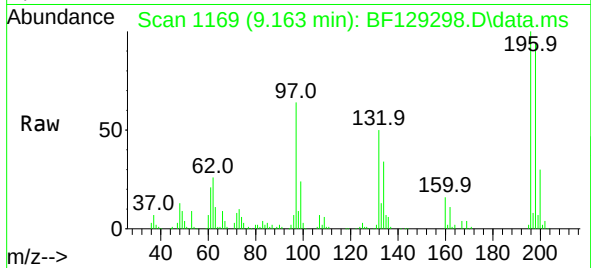
Tgt Ion:330 Resp: 501344
Ion Ratio Lower Upper
330 100
332 102.7 76.8 115.2
141 36.4 28.0 42.0





#43
2,4,6-Trichlorophenol
Concen: 10.180 ng
RT: 9.163 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

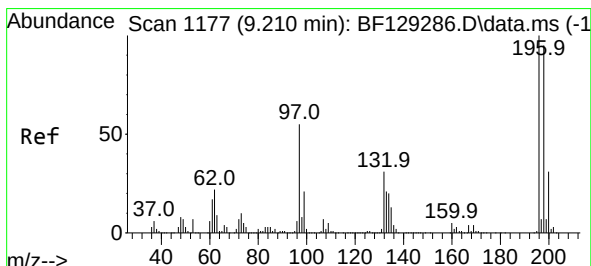
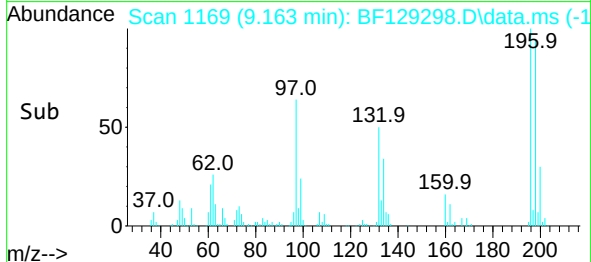
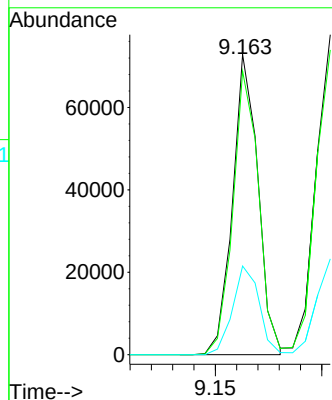
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:196 Resp: 6034
Ion Ratio Lower Upper
196 100
198 94.4 74.0 111.0
200 29.5 24.1 36.1

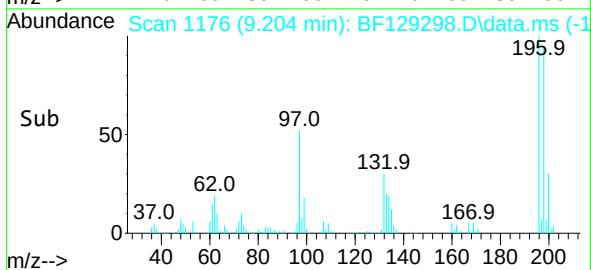
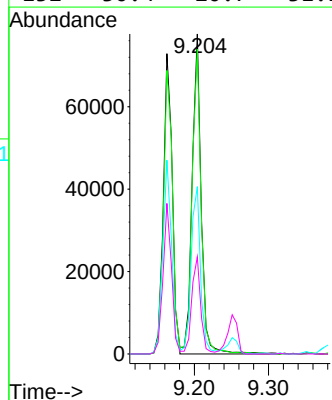
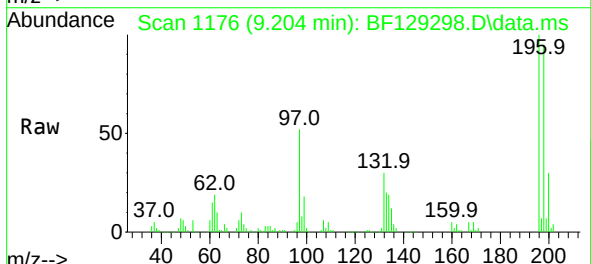
Manual Integrations
APPROVED

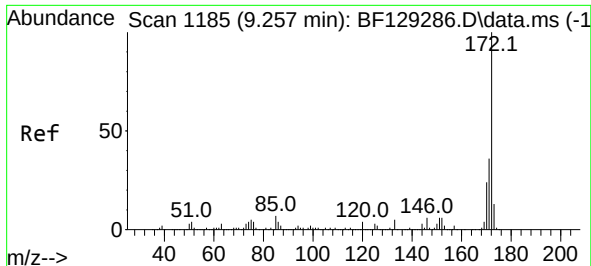
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#44
2,4,5-Trichlorophenol
Concen: 10.281 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

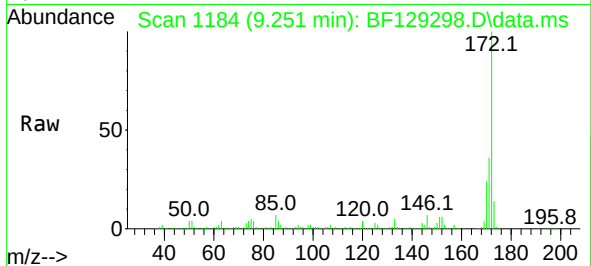
Tgt Ion:196 Resp: 66111
Ion Ratio Lower Upper
196 100
198 95.3 75.7 113.5
97 52.3 36.4 54.6
132 30.4 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 85.304 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

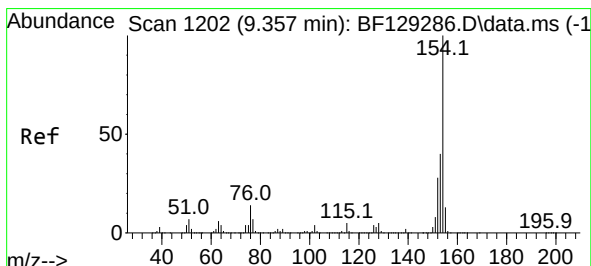
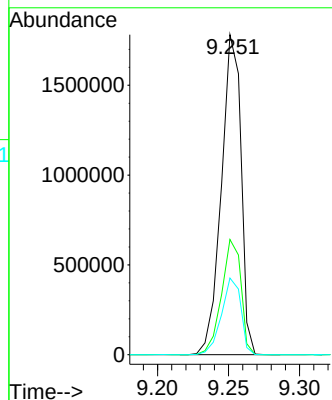
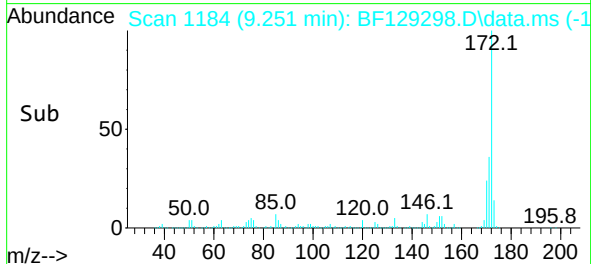
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



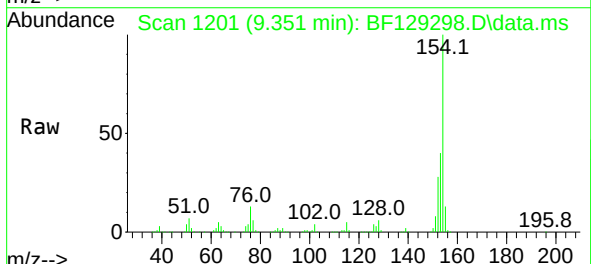
Tgt Ion:172 Resp: 171325
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.9 19.8 29.8

Manual Integrations
APPROVED

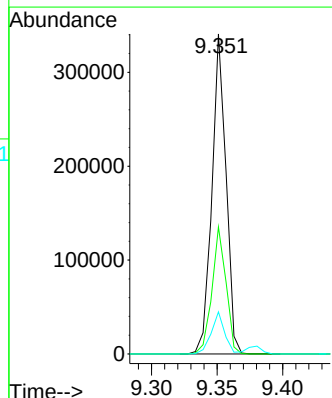
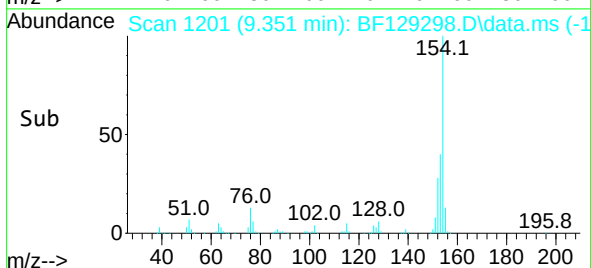
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

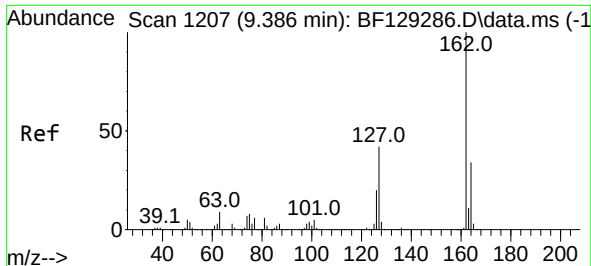


#46
1,1'-Biphenyl
Concen: 11.156 ng
RT: 9.351 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



Tgt Ion:154 Resp: 254684
Ion Ratio Lower Upper
154 100
153 39.7 20.6 60.6
76 13.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 10.739 ng

RT: 9.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:162 Resp: 19638

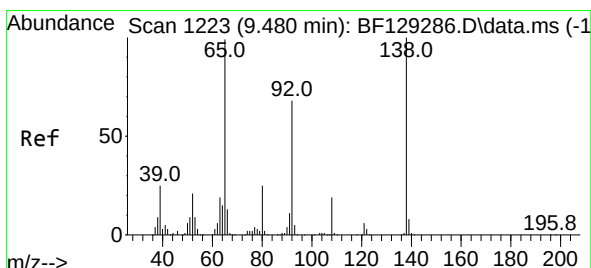
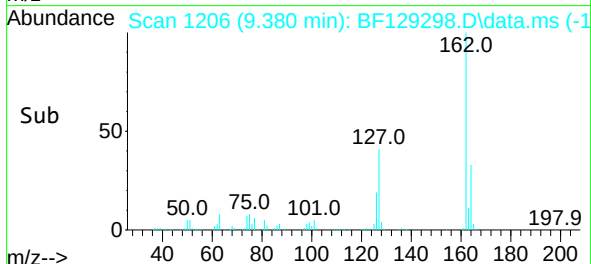
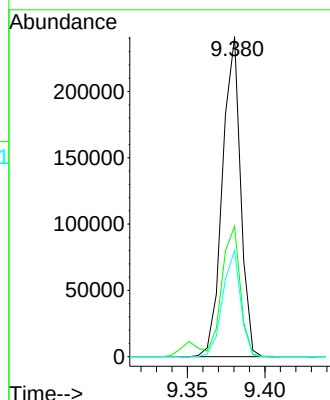
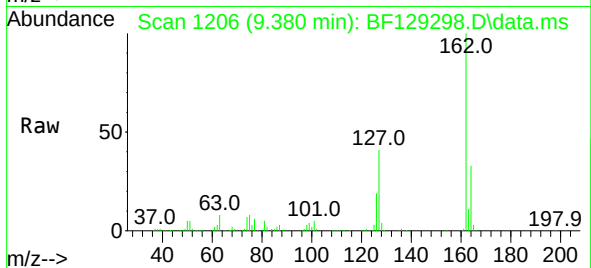
Ion	Ratio	Lower	Upper
162	100		
127	40.8	34.5	51.7
164	33.2	26.5	39.7

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#48

2-Nitroaniline

Concen: 10.041 ng

RT: 9.469 min Scan# 1221

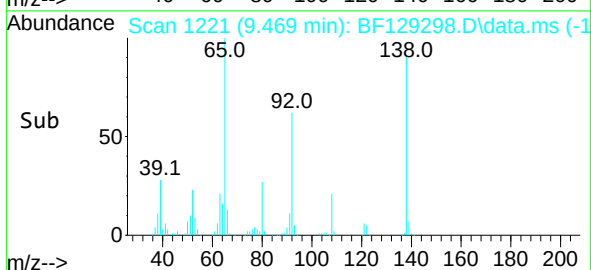
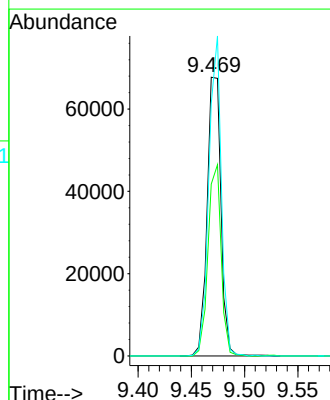
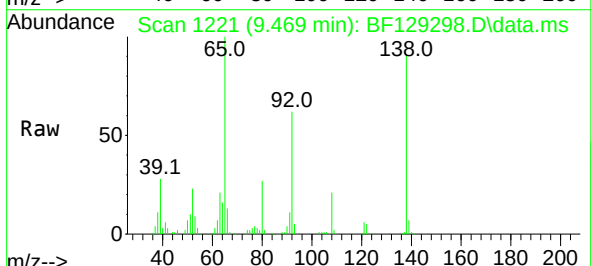
Delta R.T. -0.012 min

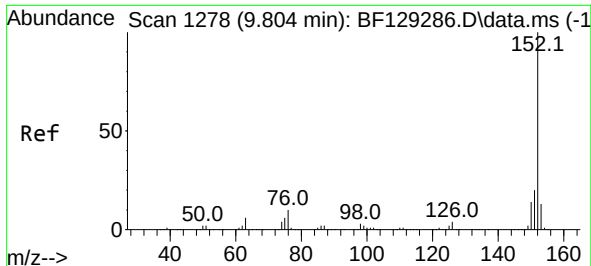
Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

Tgt Ion: 65 Resp: 61671

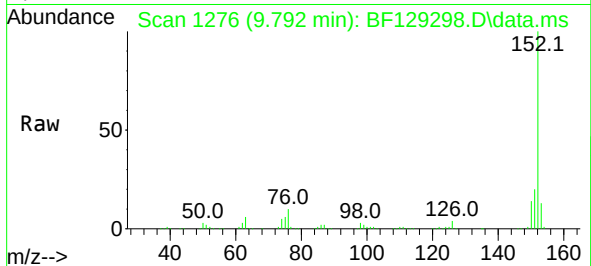
Ion	Ratio	Lower	Upper
65	100		
92	61.6	51.9	77.9
138	90.5	76.4	114.6





#49
Acenaphthylene
Concen: 11.222 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

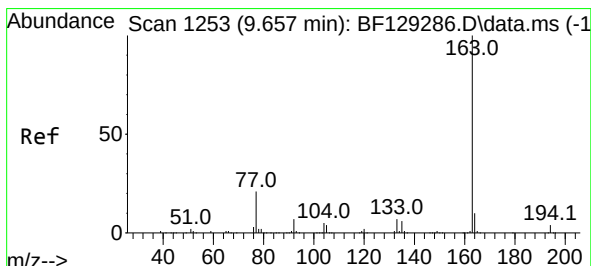
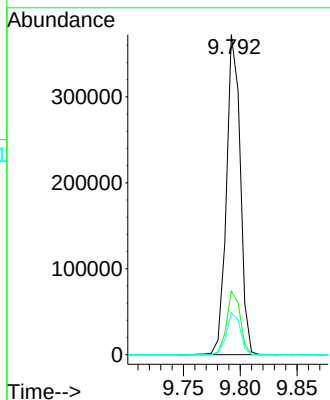
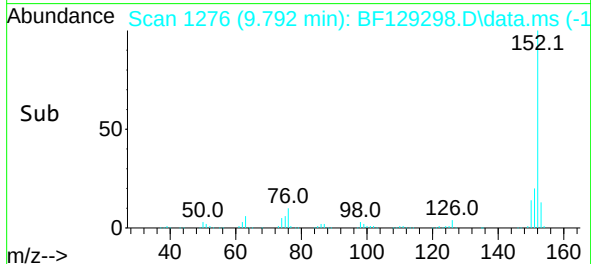
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



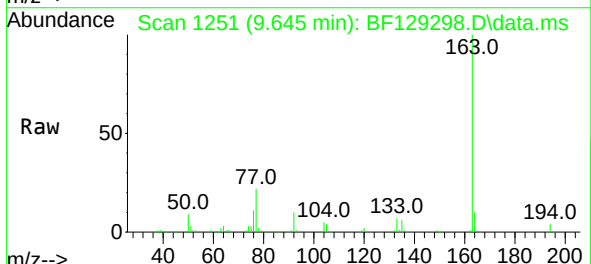
Tgt Ion:152 Resp: 31515
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 13.0 10.7 16.1

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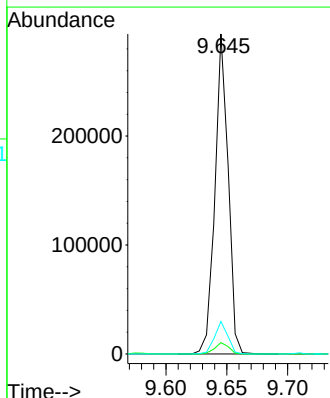
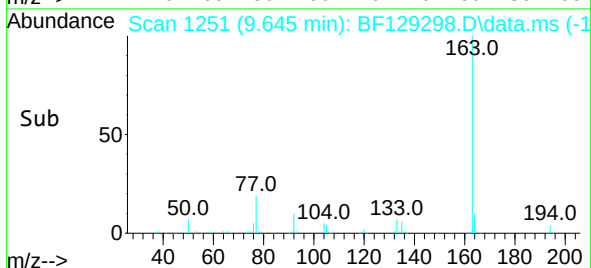
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

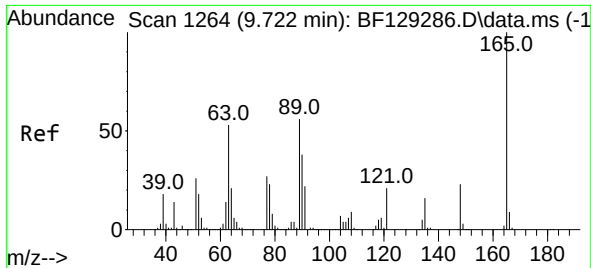


#50
Dimethylphthalate
Concen: 10.425 ng
RT: 9.645 min Scan# 1251
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



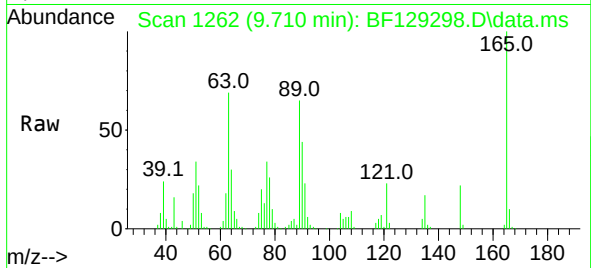
Tgt Ion:163 Resp: 221278
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 10.235 ng
RT: 9.710 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

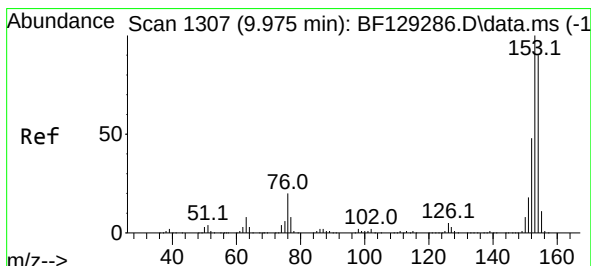
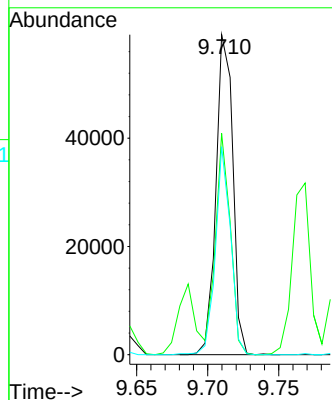
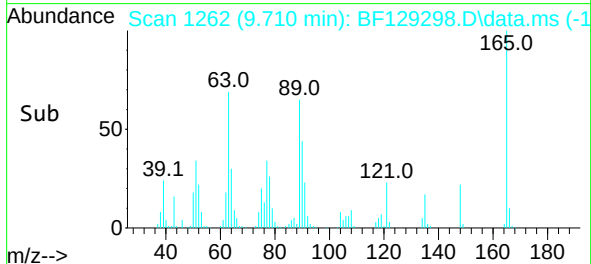
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



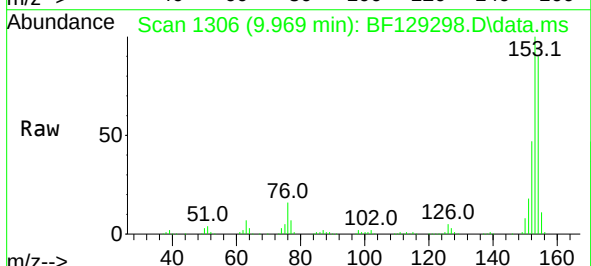
Tgt Ion:165 Resp: 48644
Ion Ratio Lower Upper
165 100
63 69.2 44.9 67.3
89 65.0 43.6 65.4

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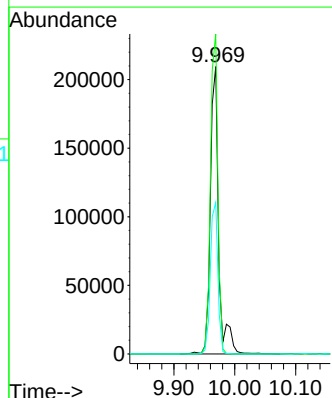
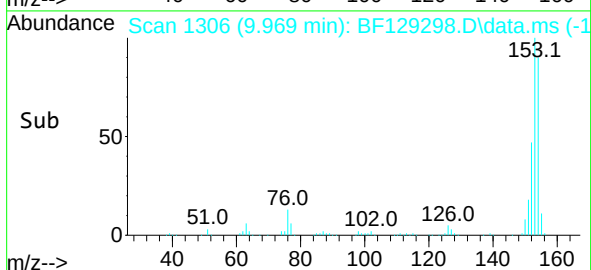
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

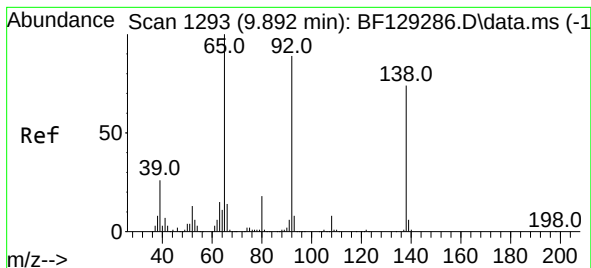


#52
Acenaphthene
Concen: 10.923 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



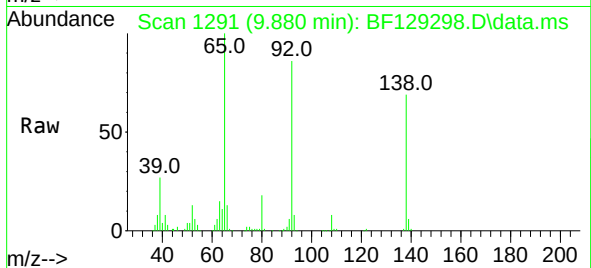
Tgt Ion:154 Resp: 199076
Ion Ratio Lower Upper
154 100
153 111.4 89.6 134.4
152 52.7 42.4 63.6





#53
3-Nitroaniline
Concen: 9.322 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

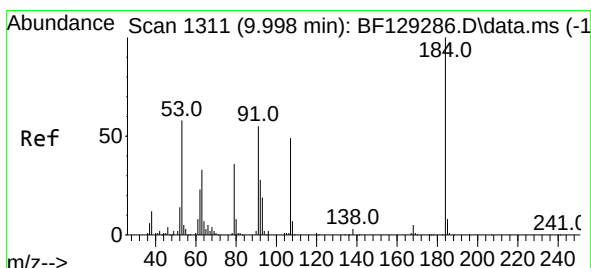
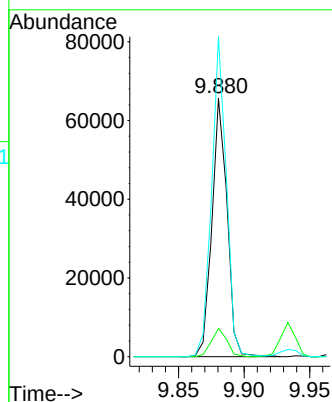
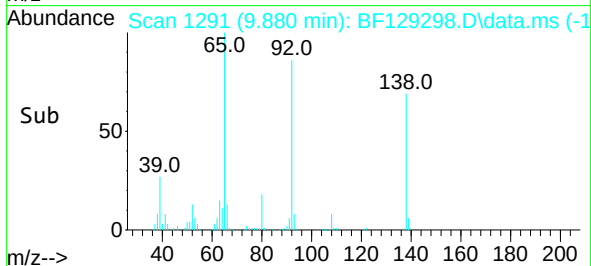
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



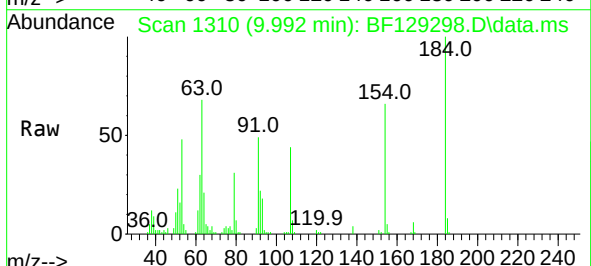
Tgt Ion:138 Resp: 52718
Ion Ratio Lower Upper
138 100
108 10.9 10.9 16.3
92 123.8 98.2 147.2

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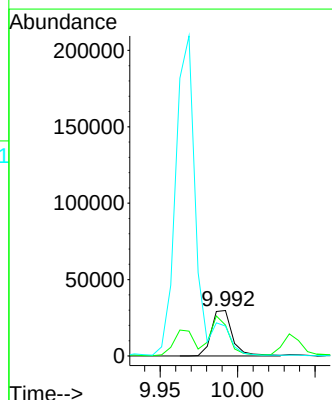
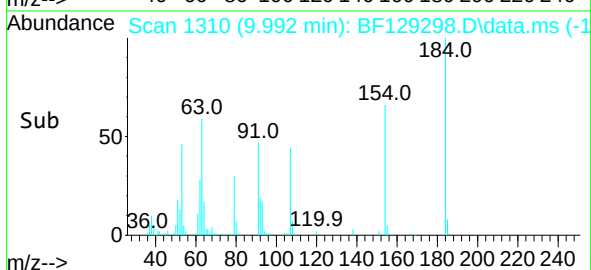
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

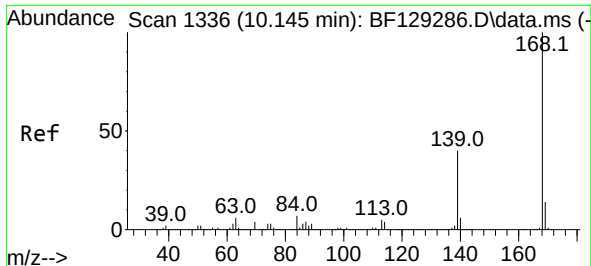


#54
2,4-Dinitrophenol
Concen: 11.635 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



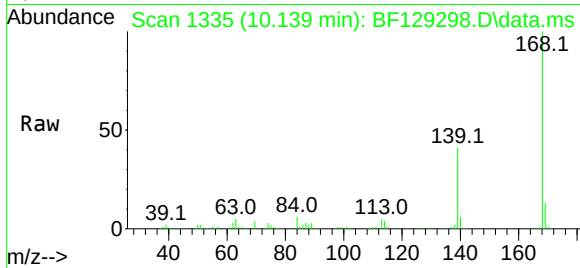
Tgt Ion:184 Resp: 27983
Ion Ratio Lower Upper
184 100
63 67.9 64.5 96.7
154 65.8 50.6 75.8





#55
Dibenzenofuran
Concen: 10.699 ng
RT: 10.139 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

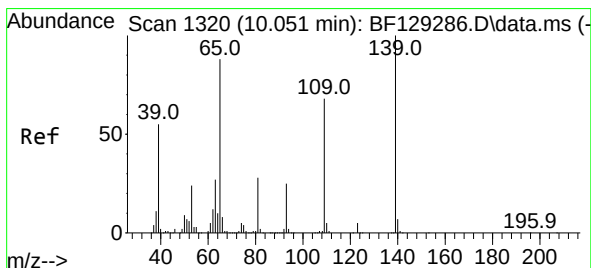
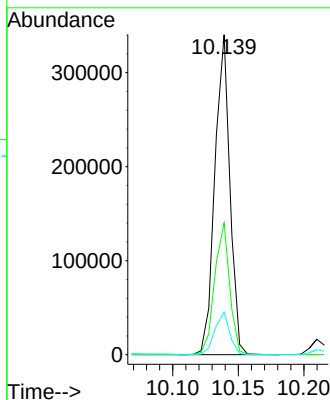
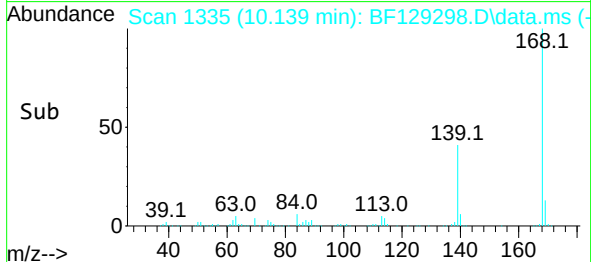
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT2-2022



Tgt Ion:168 Resp: 270962
Ion Ratio Lower Upper
168 100
139 41.2 30.6 46.0
169 13.3 11.0 16.6

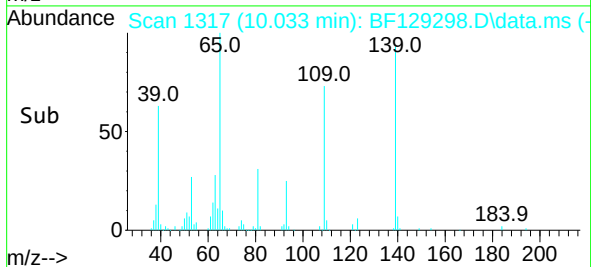
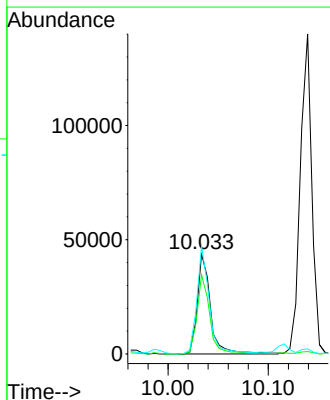
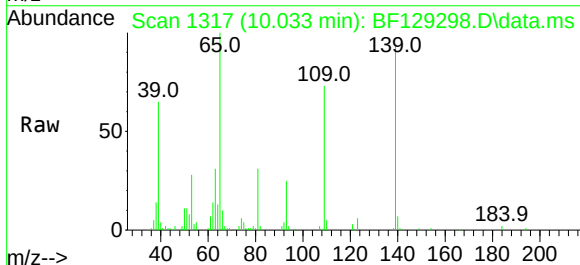
Manual Integrations
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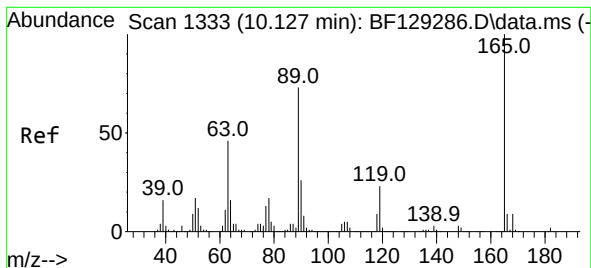
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#56
4-Nitrophenol
Concen: 9.710 ng
RT: 10.033 min Scan# 1317
Delta R.T. -0.018 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

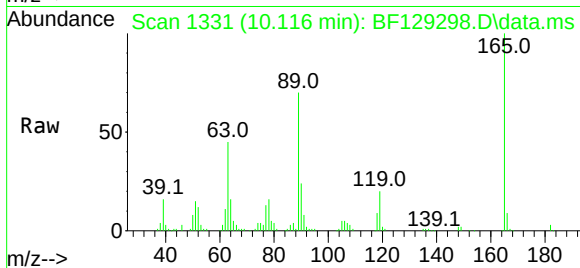
Tgt Ion:139 Resp: 40100
Ion Ratio Lower Upper
139 100
109 79.1 50.7 90.7
65 108.0 74.5 114.5





#57
2,4-Dinitrotoluene
Concen: 10.526 ng
RT: 10.116 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

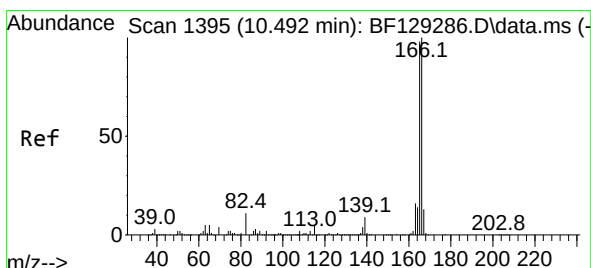
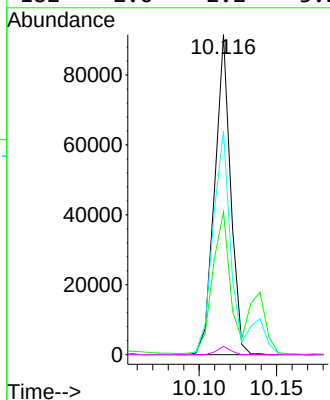
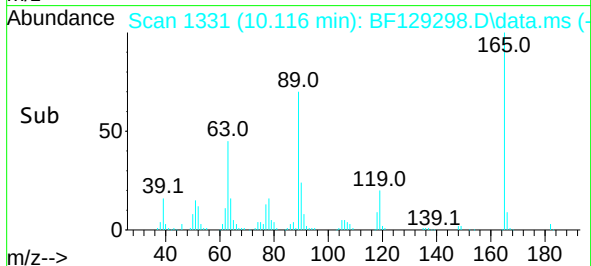
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



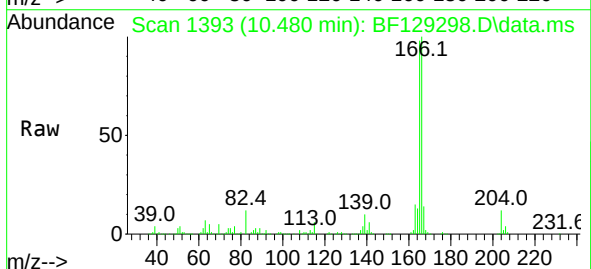
Tgt Ion:165 Resp: 6558
Ion Ratio Lower Upper
165 100
63 44.7 39.8 59.6
89 69.8 60.2 90.2
182 2.6 2.2 3.2

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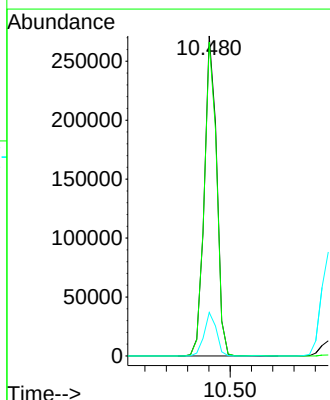
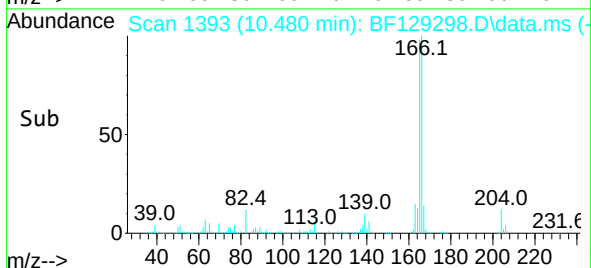
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

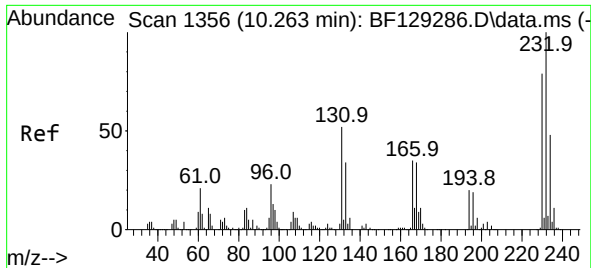


#58
Fluorene
Concen: 10.851 ng
RT: 10.480 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



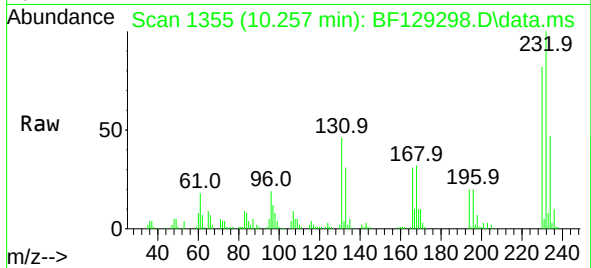
Tgt Ion:166 Resp: 219338
Ion Ratio Lower Upper
166 100
165 98.1 78.1 117.1
167 13.6 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.516 ng
RT: 10.257 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

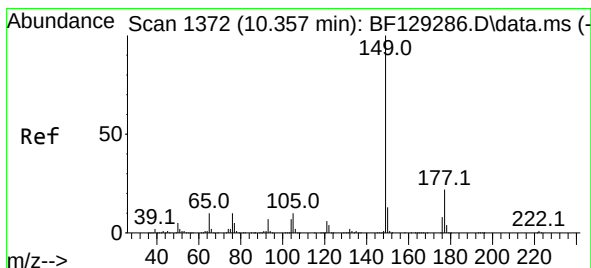
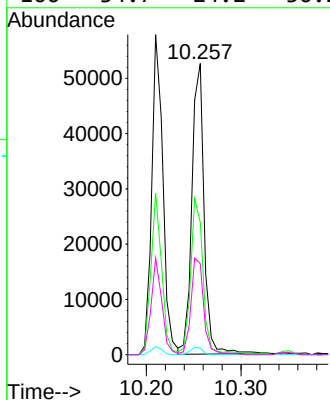
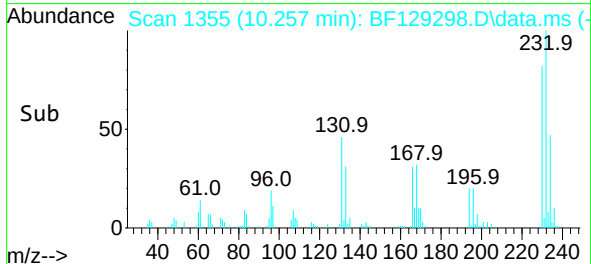
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



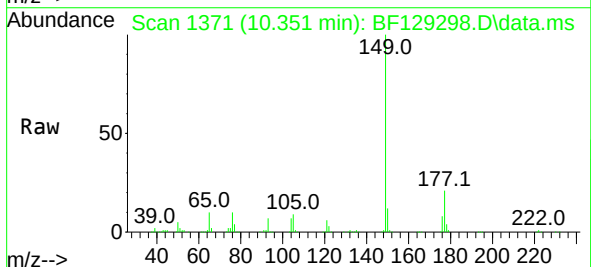
Tgt Ion:232 Resp: 4717
Ion Ratio Lower Upper
232 100
131 53.4 36.1 54.1
130 2.4 1.8 2.8
166 34.7 24.2 36.2

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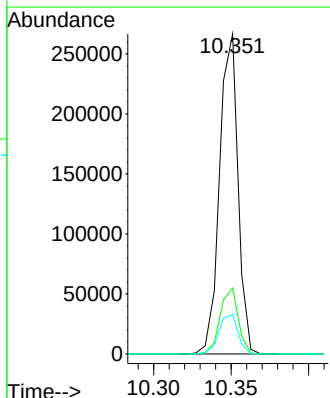
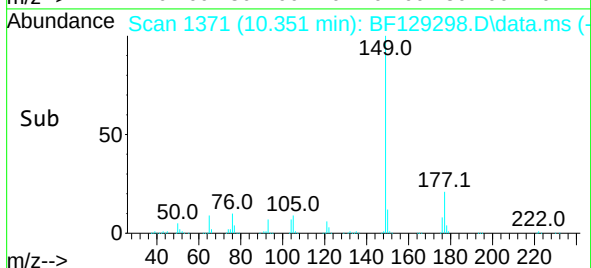
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

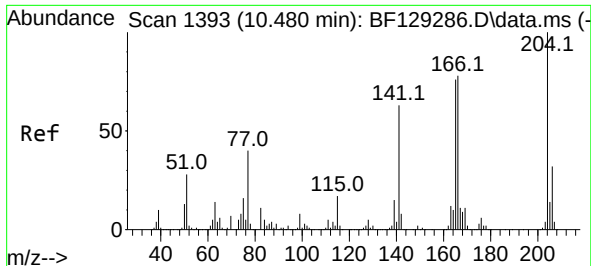


#60
Diethylphthalate
Concen: 10.807 ng
RT: 10.351 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



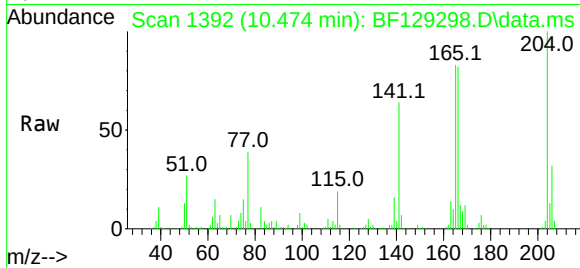
Tgt Ion:149 Resp: 220701
Ion Ratio Lower Upper
149 100
177 20.6 17.3 25.9
150 12.3 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 11.311 ng
RT: 10.474 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

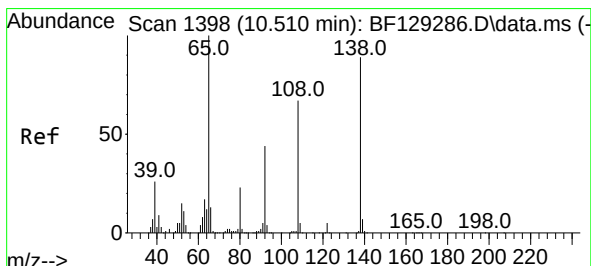
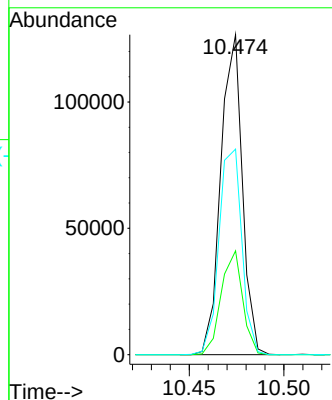
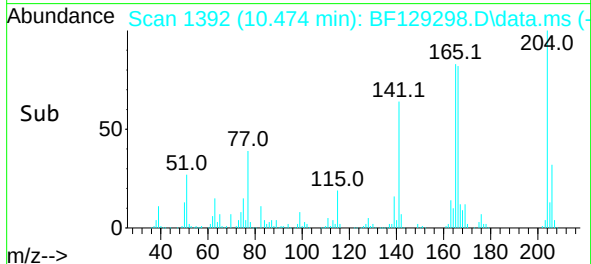
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:204 Resp: 100025
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.6
141 64.3 47.0 70.4

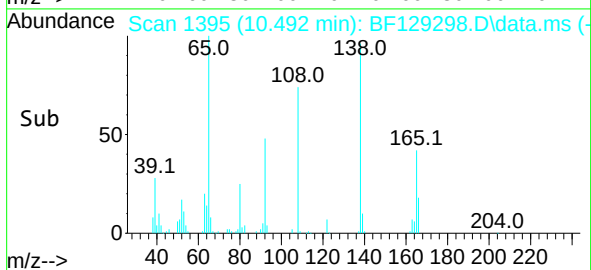
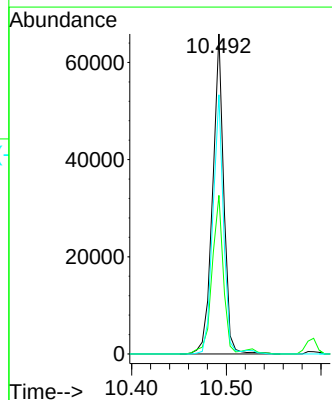
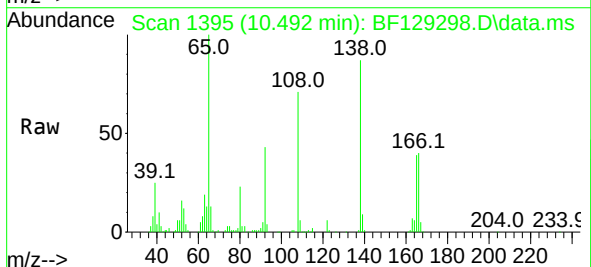
Manual Integrations
APPROVED

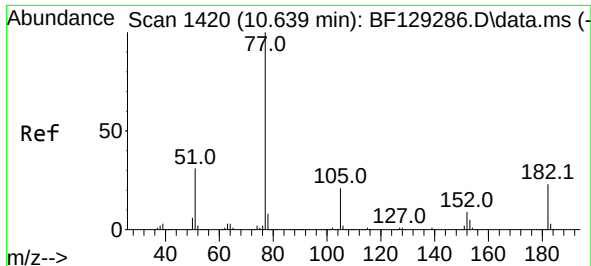
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#62
4-Nitroaniline
Concen: 9.618 ng
RT: 10.492 min Scan# 1395
Delta R.T. -0.018 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

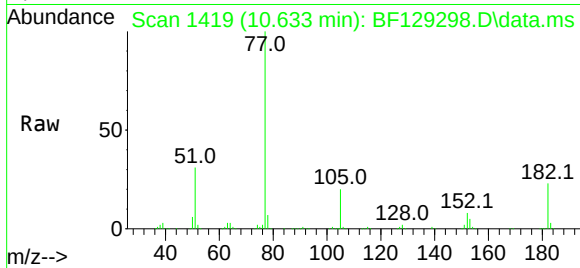
Tgt Ion:138 Resp: 53720
Ion Ratio Lower Upper
138 100
92 49.5 33.5 73.5
108 81.0 61.0 101.0





#63
Azobenzene
Concen: 10.456 ng
RT: 10.633 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

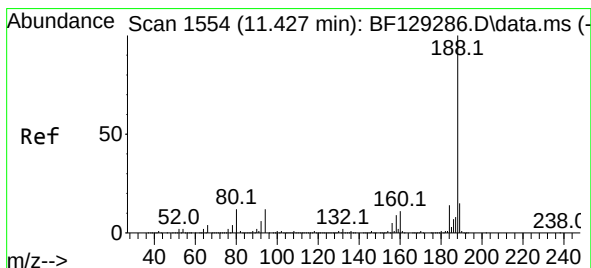
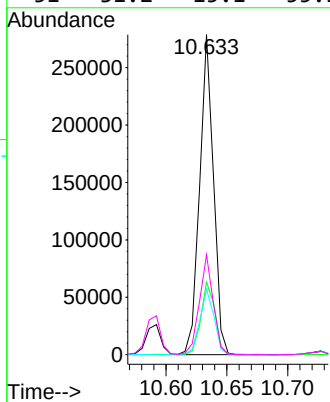
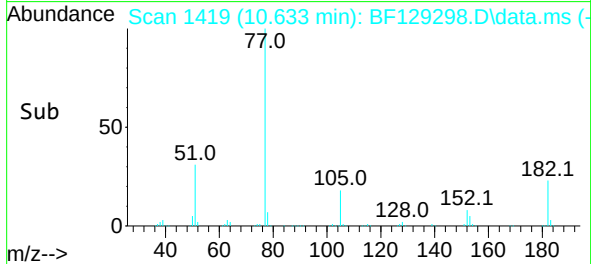
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



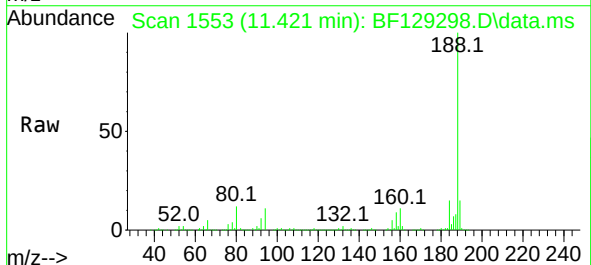
Tgt Ion: 77 Resp: 220928
Ion Ratio Lower Upper
77 100
182 22.7 5.6 45.6
105 20.5 1.6 41.6
51 31.2 15.1 55.1

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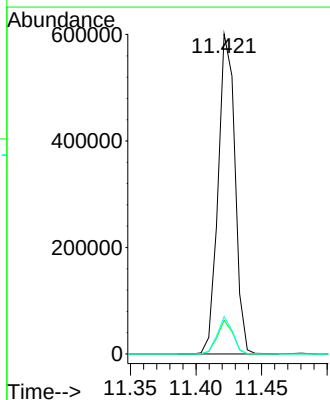
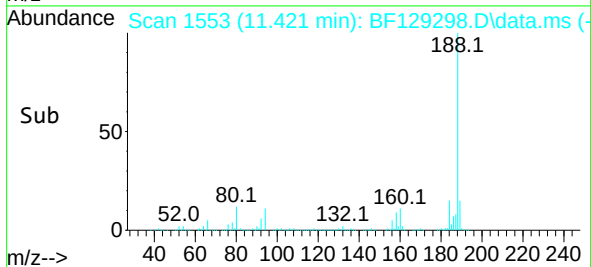
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

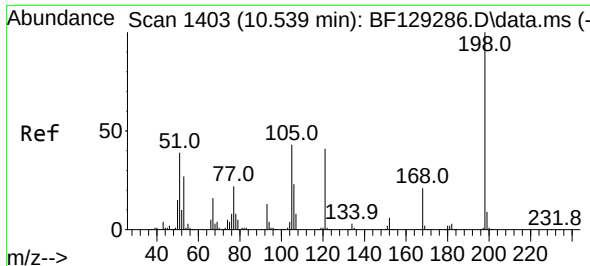


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



Tgt Ion:188 Resp: 535974
Ion Ratio Lower Upper
188 100
94 10.5 7.0 10.6
80 11.7 7.6 11.4#





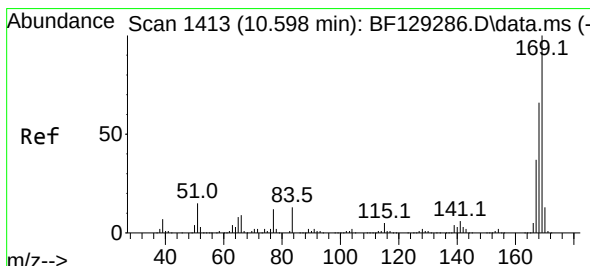
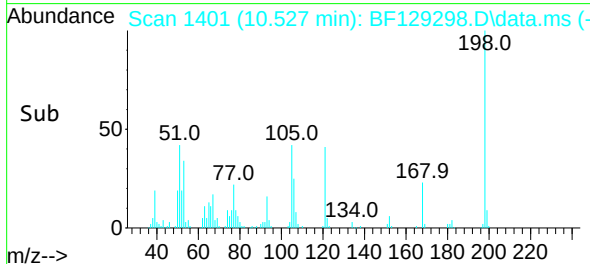
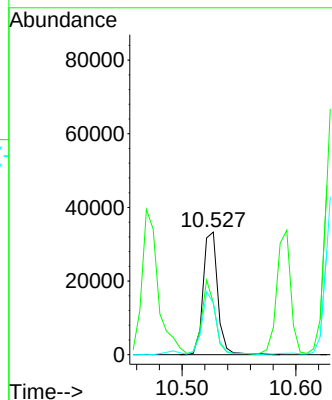
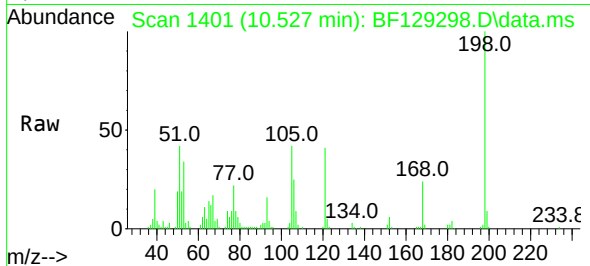
#65
4,6-Dinitro-2-methylphenol
Concen: 9.024 ng
RT: 10.527 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:198 Resp: 2974
Ion Ratio Lower Upper
198 100
51 42.3 37.6 77.6
105 42.4 27.0 67.0

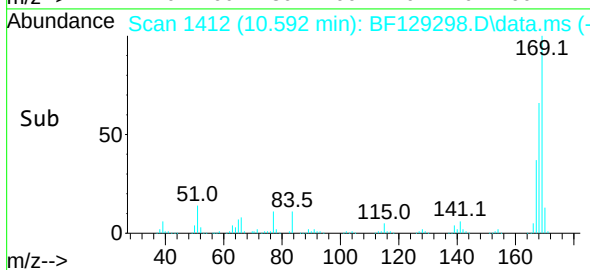
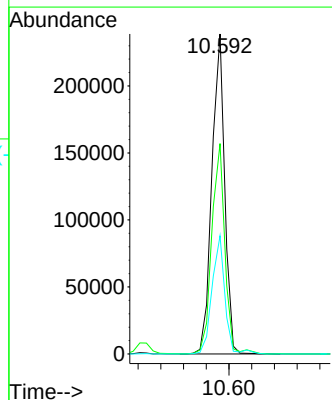
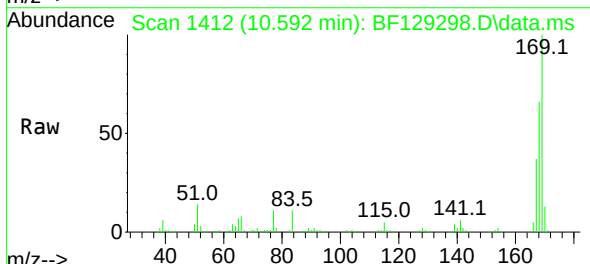
Manual Integrations
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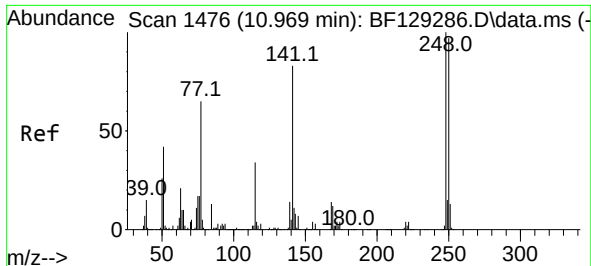
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#66
n-Nitrosodiphenylamine
Concen: 10.518 ng
RT: 10.592 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

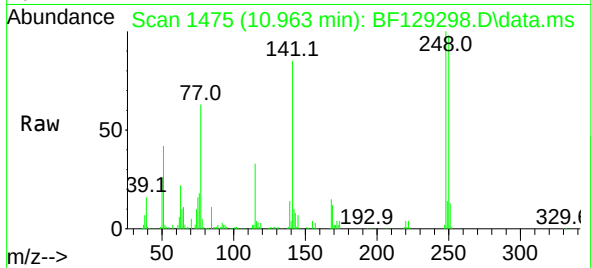
Tgt Ion:169 Resp: 186374
Ion Ratio Lower Upper
169 100
168 65.8 50.1 75.1
167 36.9 27.9 41.9





#67
4-Bromophenyl-phenylether
Concen: 10.534 ng
RT: 10.963 min Scan# 1475
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

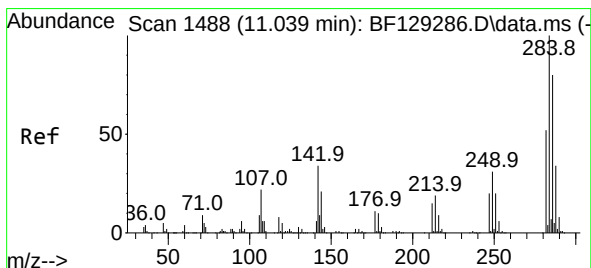
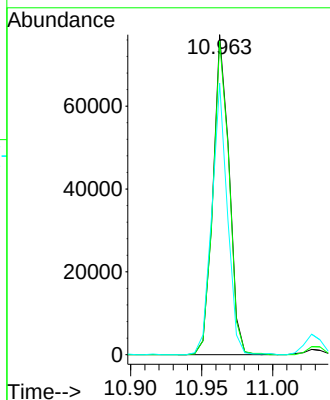
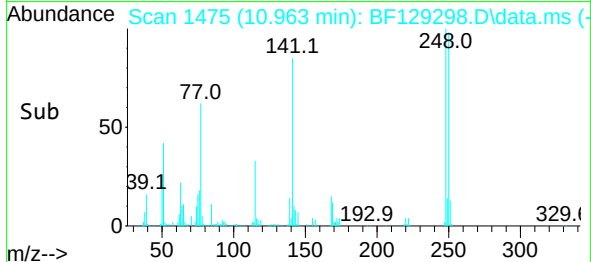
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



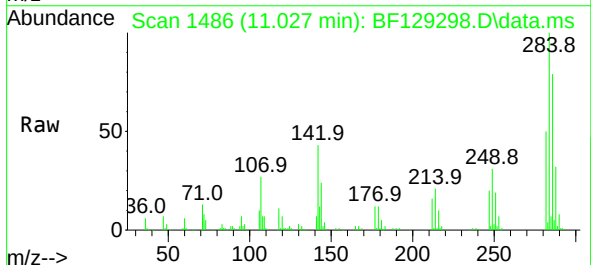
Tgt Ion:248 Resp: 60920
Ion Ratio Lower Upper
248 100
250 98.0 80.6 120.8
141 84.9 58.9 88.3

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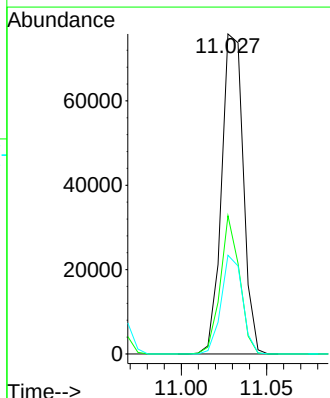
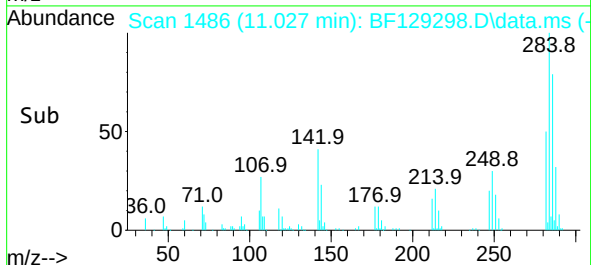
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

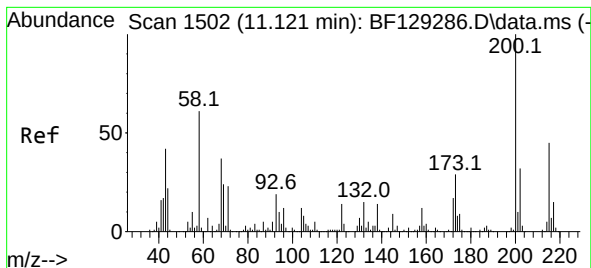


#68
Hexachlorobenzene
Concen: 10.608 ng
RT: 11.027 min Scan# 1486
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



Tgt Ion:284 Resp: 67187
Ion Ratio Lower Upper
284 100
142 43.2 29.0 43.4
249 30.8 25.0 37.6





#69

Atrazine

Concen: 11.024 ng

RT: 11.110 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2022

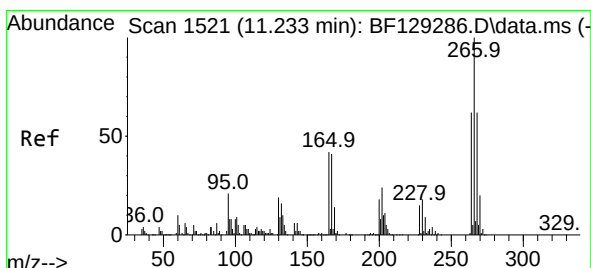
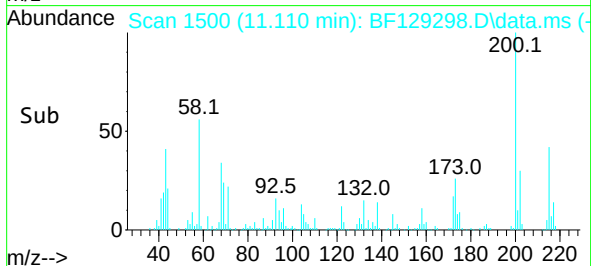
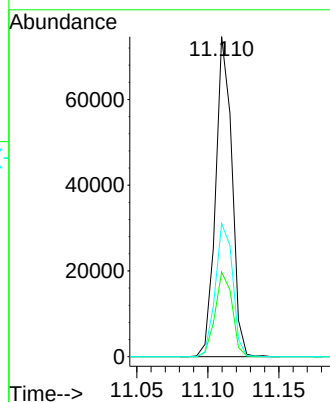
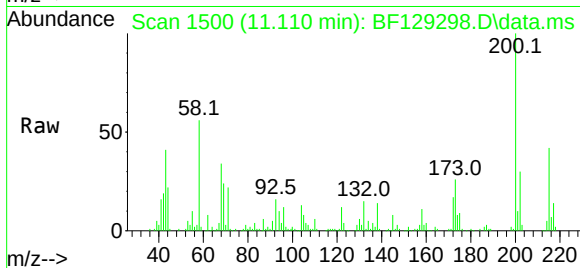
Tgt Ion:200 Resp: 59699
 Ion Ratio Lower Upper
 200 100
 173 26.5 6.3 46.3
 215 41.6 28.3 68.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#70

Pentachlorophenol

Concen: 9.055 ng

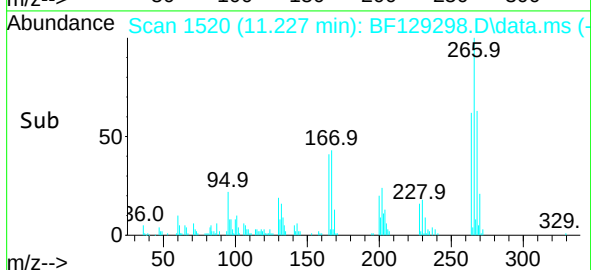
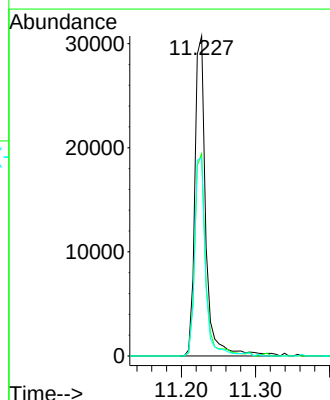
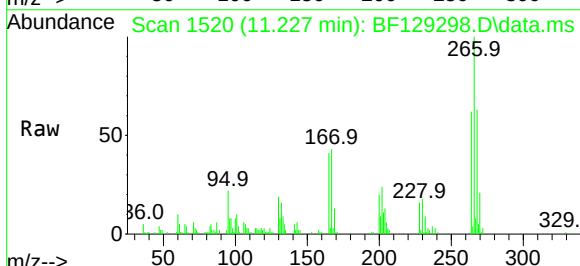
RT: 11.227 min Scan# 1520

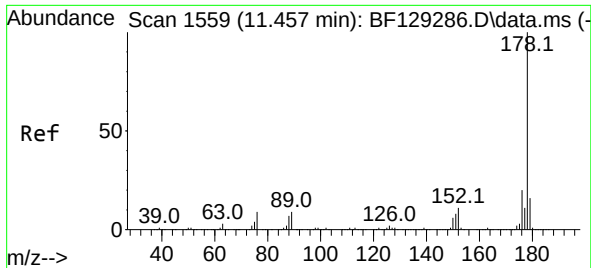
Delta R.T. -0.006 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

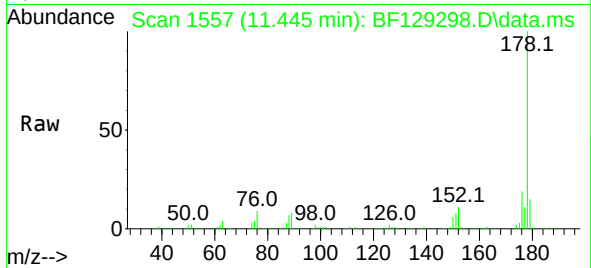
Tgt Ion:266 Resp: 31531
 Ion Ratio Lower Upper
 266 100
 268 63.2 51.0 76.4
 264 61.8 49.4 74.2





#71
Phenanthrene
Concen: 10.517 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

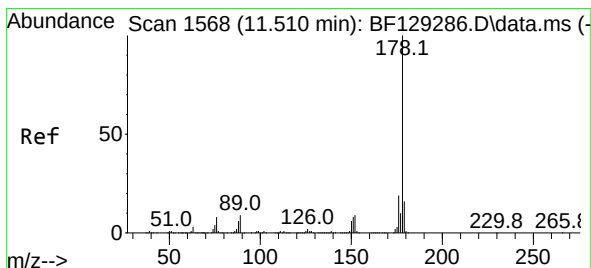
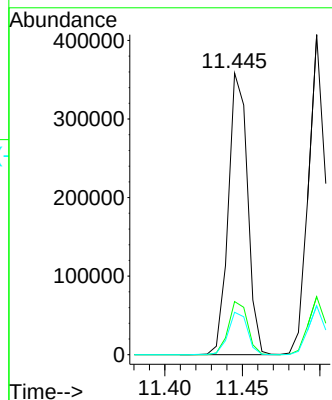
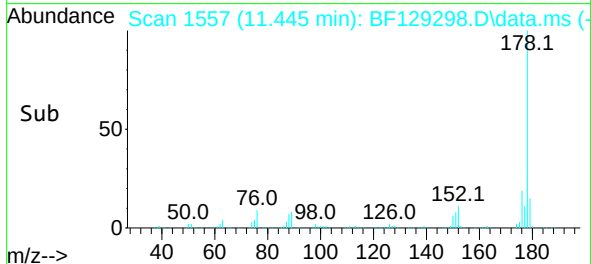
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT2-2022



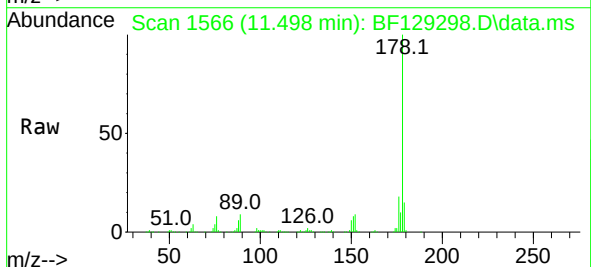
Tgt Ion:178 Resp: 30938
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.1 12.6 19.0

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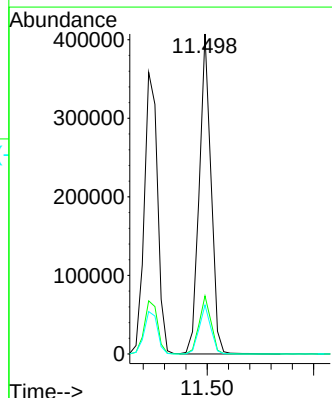
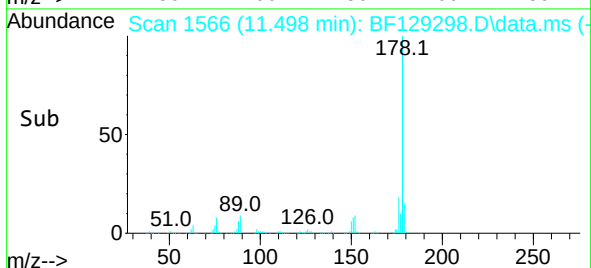
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

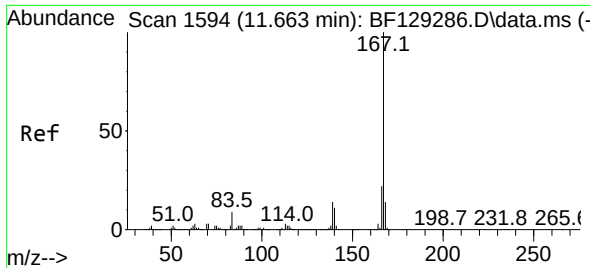


#72
Anthracene
Concen: 10.748 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



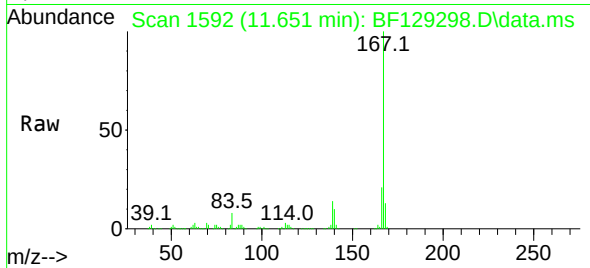
Tgt Ion:178 Resp: 313289
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.3 12.6 19.0





#73
 Carbazole
 Concen: 10.763 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.012 min
 Lab File: BF129298.D
 Acq: 21 Jul 2022 16:00

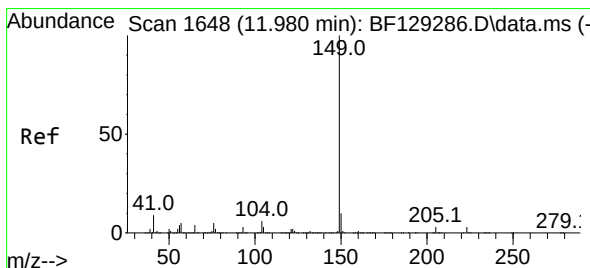
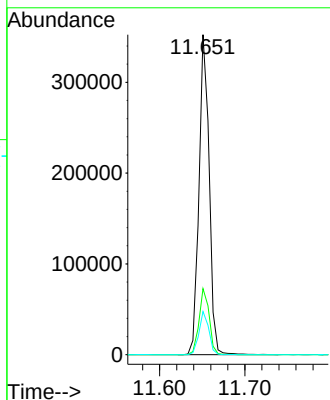
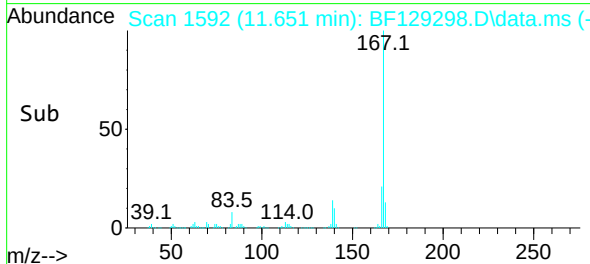
Instrument : BNA_F
 ClientSampleId : LOQ-SOIL-02-QT2-2022



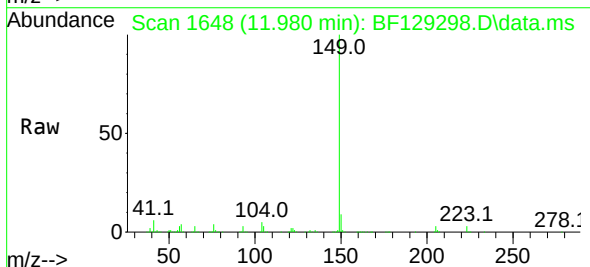
Tgt Ion:167 Resp: 292648
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.7 26.5
 139 13.5 11.2 16.8

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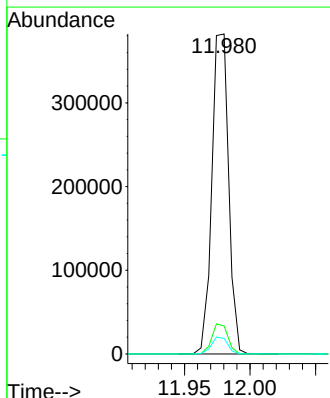
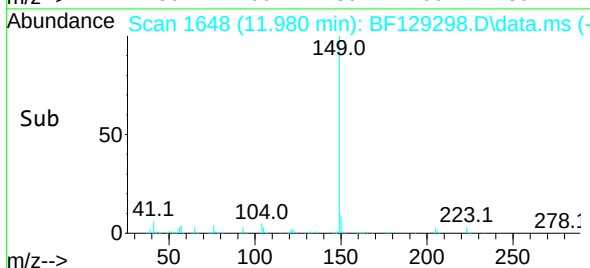
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

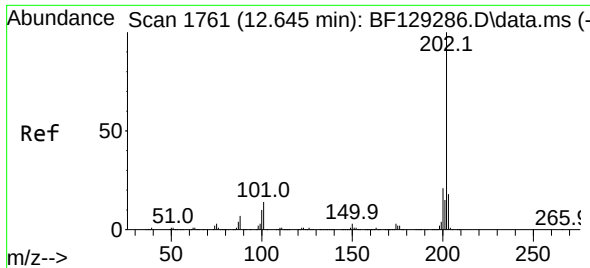


#74
 Di-n-butylphthalate
 Concen: 10.812 ng
 RT: 11.980 min Scan# 1648
 Delta R.T. -0.000 min
 Lab File: BF129298.D
 Acq: 21 Jul 2022 16:00



Tgt Ion:149 Resp: 339687
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.5 11.3
 104 4.9 4.4 6.6





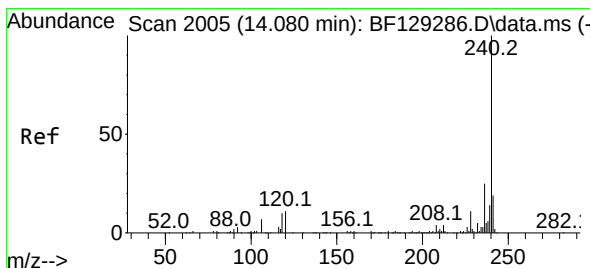
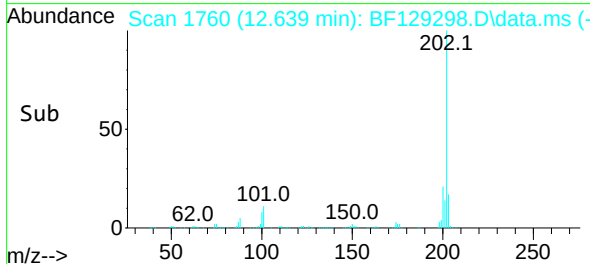
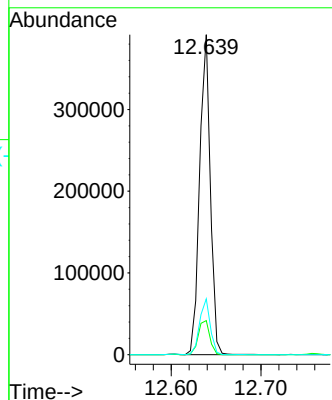
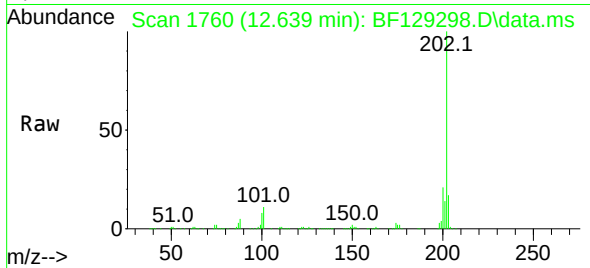
#75
Fluoranthene
Concen: 10.789 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:202 Resp: 323450
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.4
203 17.5 0.0 38.0

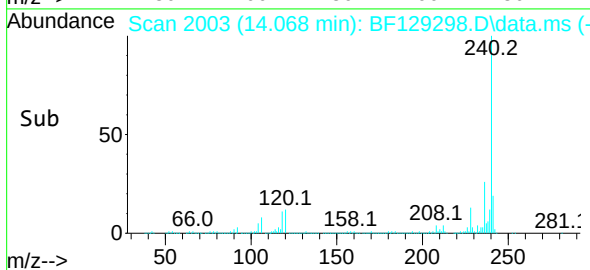
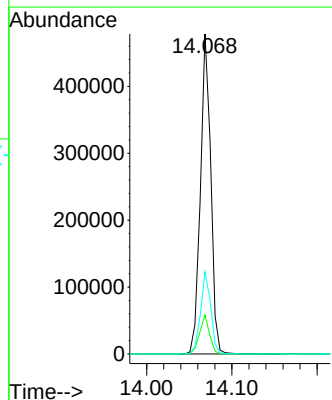
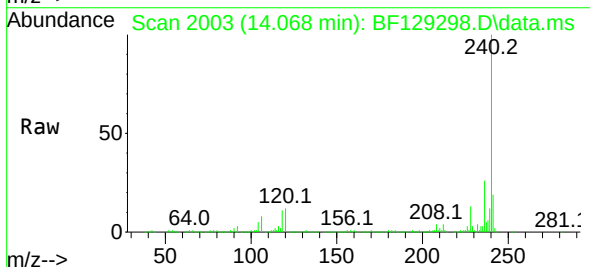
Manual Integrations
APPROVED

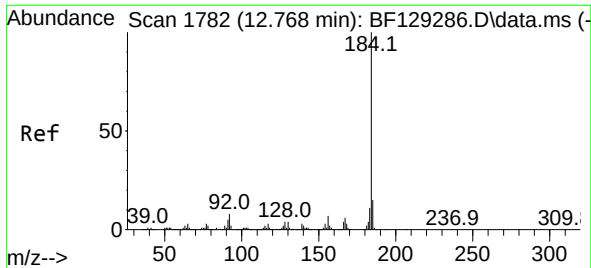
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

Tgt Ion:240 Resp: 403289
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 25.7 20.8 31.2





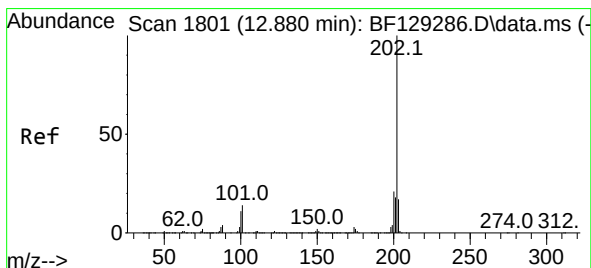
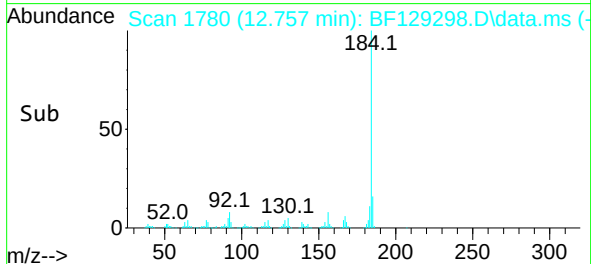
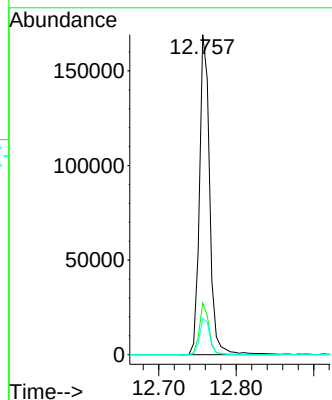
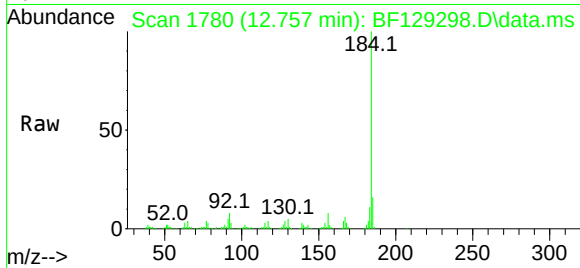
#77
Benzidine
Concen: 9.631 ng
RT: 12.757 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:184 Resp: 15479
Ion Ratio Lower Upper
184 100
185 16.1 11.9 17.9
183 11.3 9.3 13.9

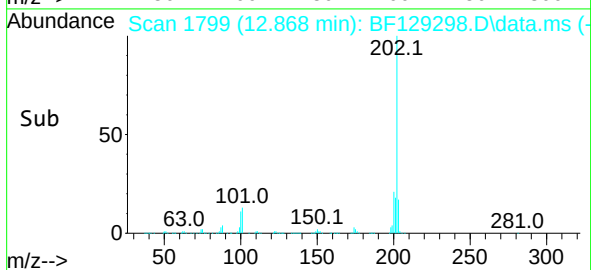
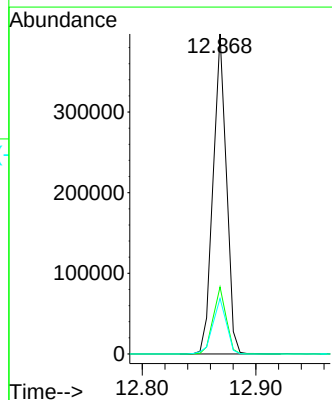
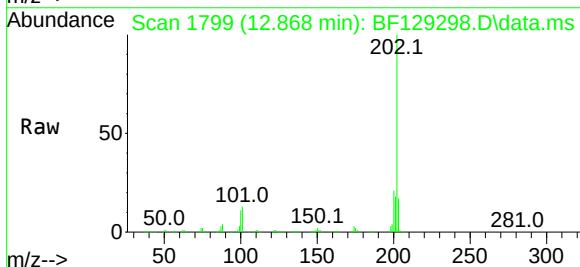
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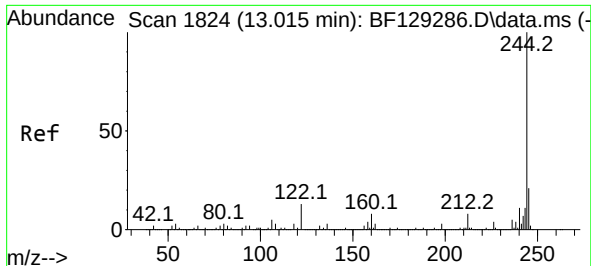
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#78
Pyrene
Concen: 9.370 ng
RT: 12.868 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

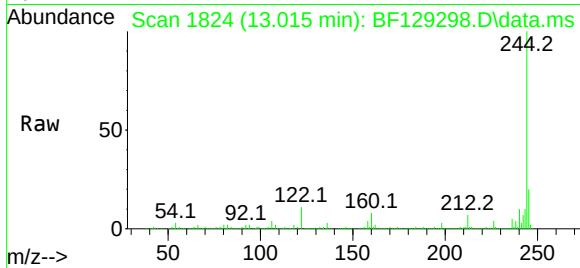
Tgt Ion:202 Resp: 323179
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 17.3 14.6 21.8





#79
 Terphenyl-d14
 Concen: 84.716 ng
 RT: 13.015 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF129298.D
 Acq: 21 Jul 2022 16:00

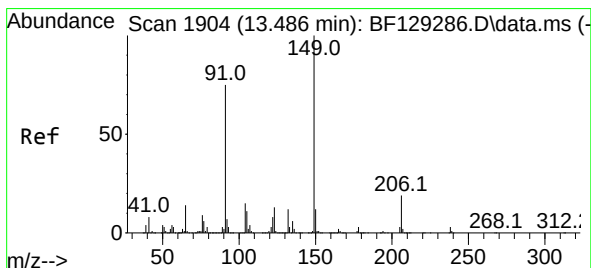
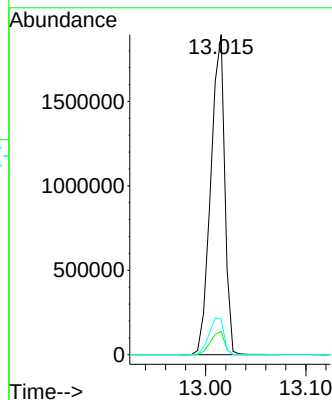
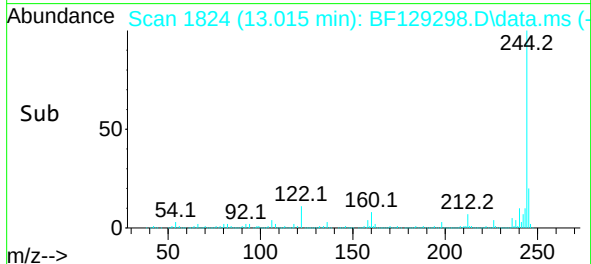
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



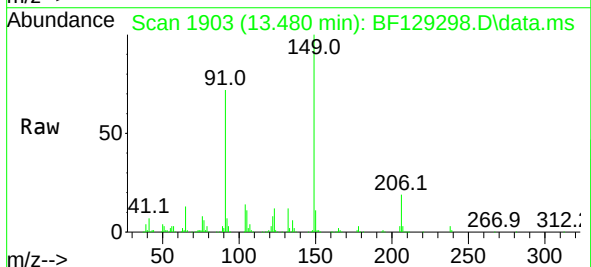
Tgt Ion:244 Resp: 1834424
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 11.2 8.8 13.2

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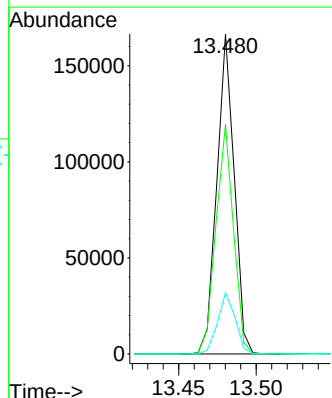
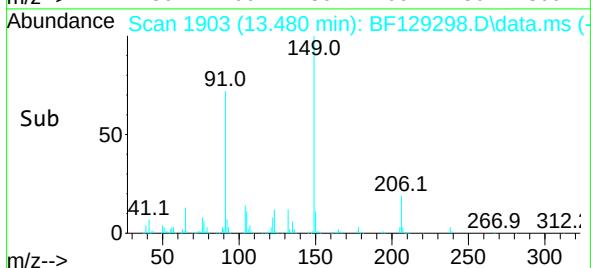
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

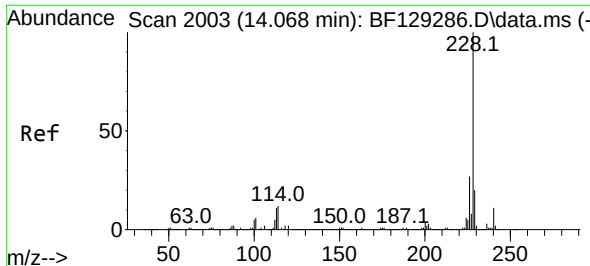


#80
 Butylbenzylphthalate
 Concen: 9.234 ng
 RT: 13.480 min Scan# 1903
 Delta R.T. -0.006 min
 Lab File: BF129298.D
 Acq: 21 Jul 2022 16:00



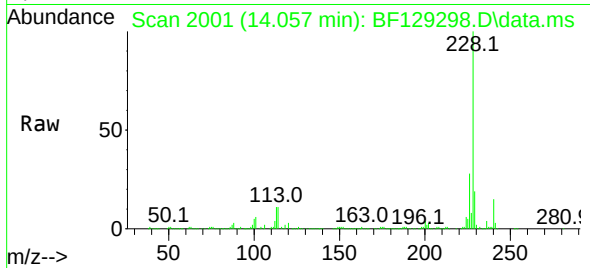
Tgt Ion:149 Resp: 129962
 Ion Ratio Lower Upper
 149 100
 91 71.7 61.2 91.8
 206 19.1 15.7 23.5





#81
Benzo(a)anthracene
Concen: 9.867 ng
RT: 14.057 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

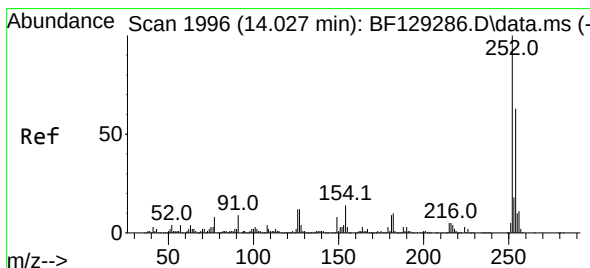
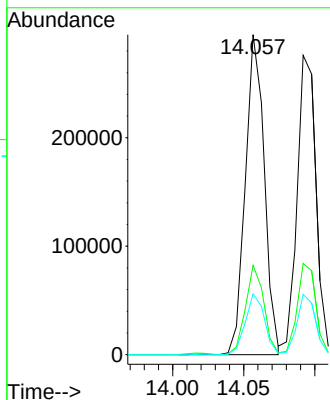
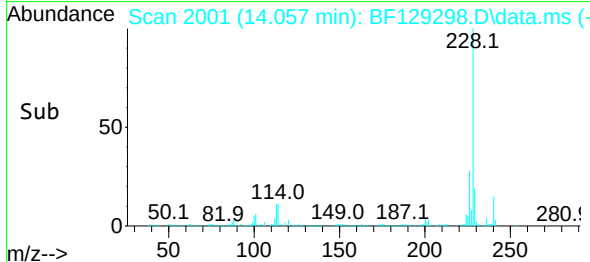
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT2-2022



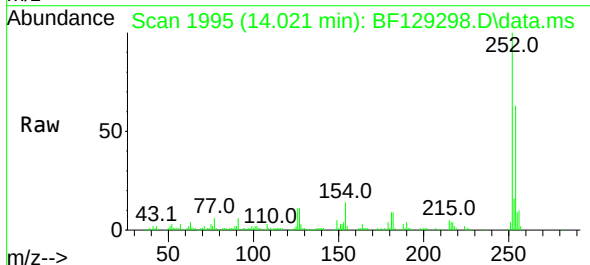
Tgt Ion:228 Resp: 274009
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 19.0 15.8 23.8

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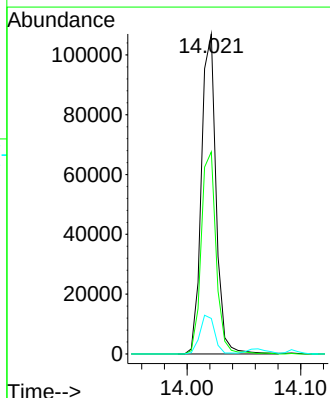
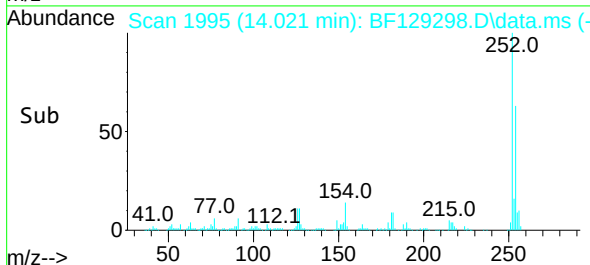
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022

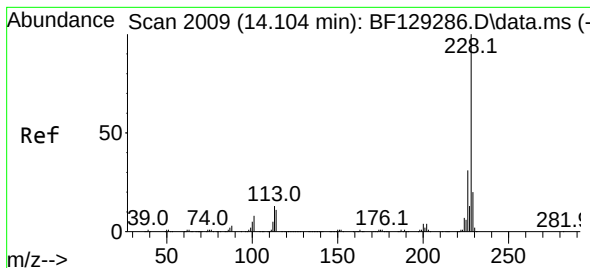


#82
3,3'-Dichlorobenzidine
Concen: 10.541 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00



Tgt Ion:252 Resp: 96085
Ion Ratio Lower Upper
252 100
254 63.2 50.2 75.4
126 11.1 8.2 12.4





#83

Chrysene

Concen: 9.768 ng

RT: 14.092 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:228 Resp: 256030

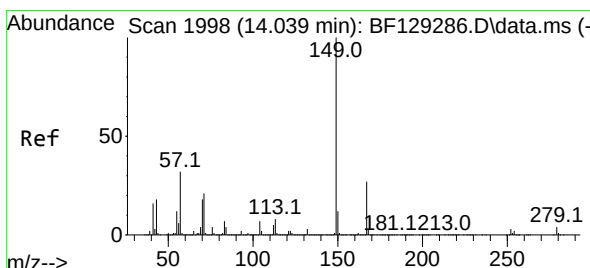
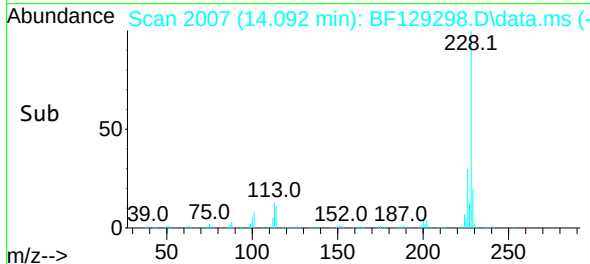
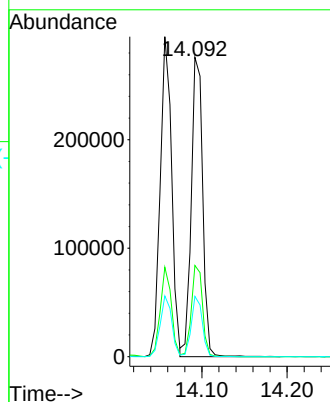
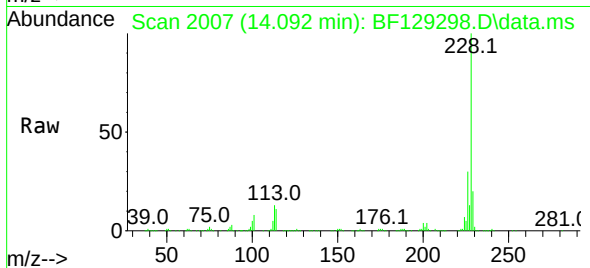
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	20.2	15.9	23.9

Manual Integrations

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Reviewed By :Christian Giraldo 07/22/2022

Supervised By :Jagrut Upadhyay 07/22/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.740 ng

RT: 14.039 min Scan# 1998

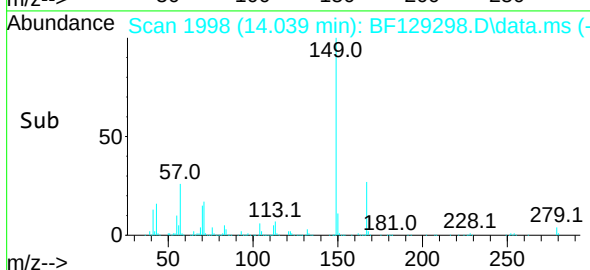
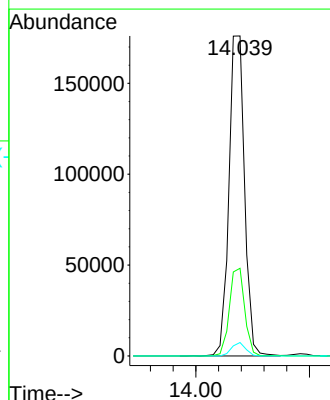
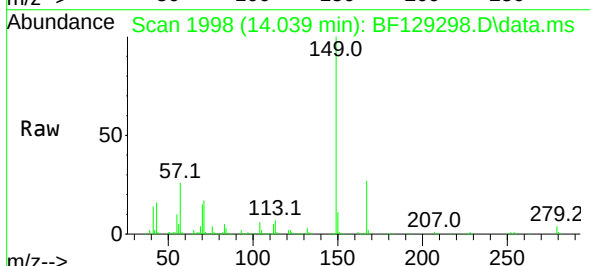
Delta R.T. 0.000 min

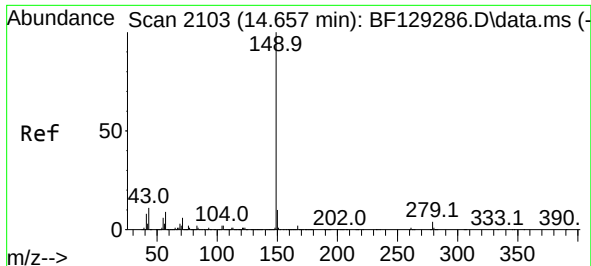
Lab File: BF129298.D

Acq: 21 Jul 2022 16:00

Tgt Ion:149 Resp: 168347

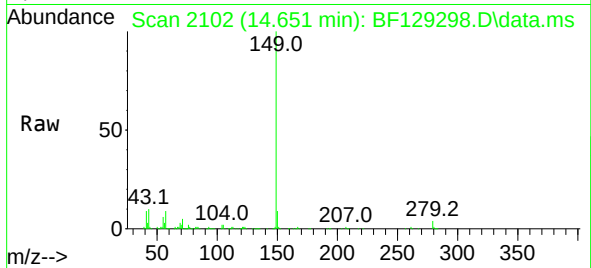
Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.0	31.4
279	4.2	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 9.421 ng
RT: 14.651 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

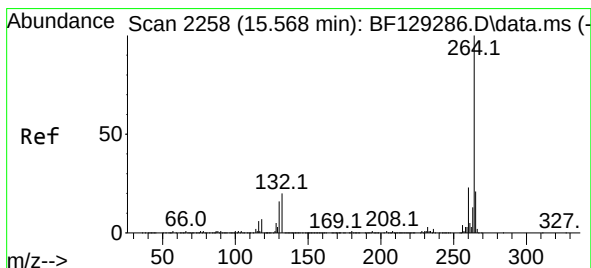
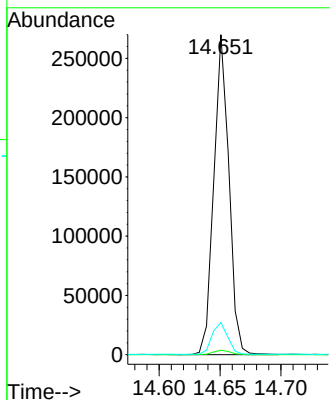
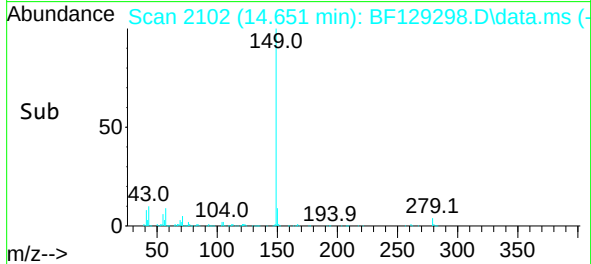
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:149 Resp: 233030
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 10.4 9.2 13.8

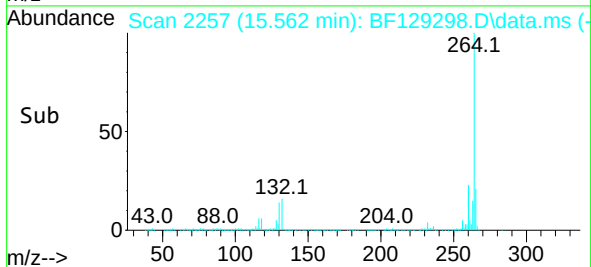
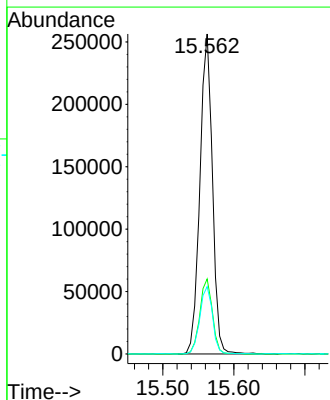
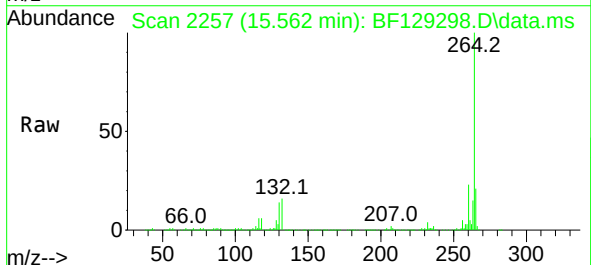
Manual Integrations
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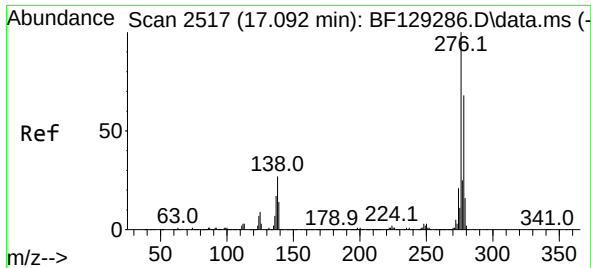
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

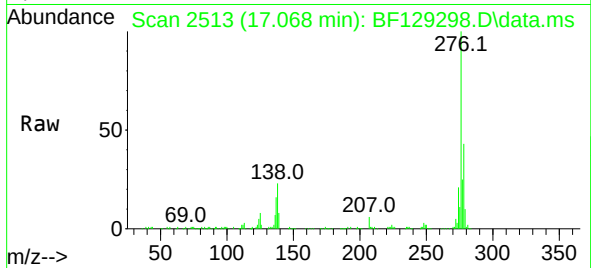
Tgt Ion:264 Resp: 315518
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 21.0 17.2 25.8





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.440 ng
 RT: 17.068 min Scan# 2113
 Delta R.T. -0.024 min
 Lab File: BF129298.D
 Acq: 21 Jul 2022 16:00

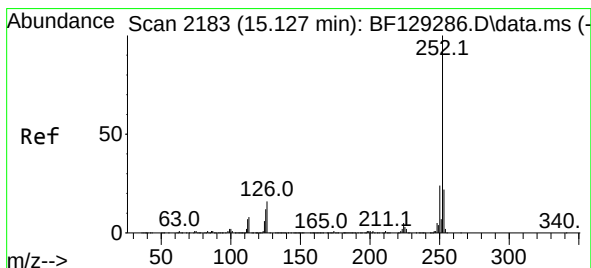
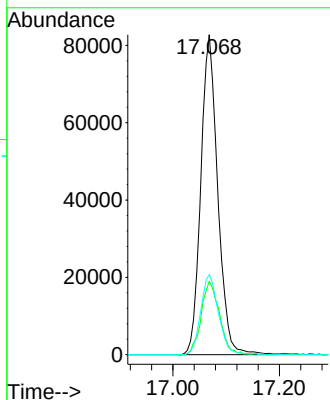
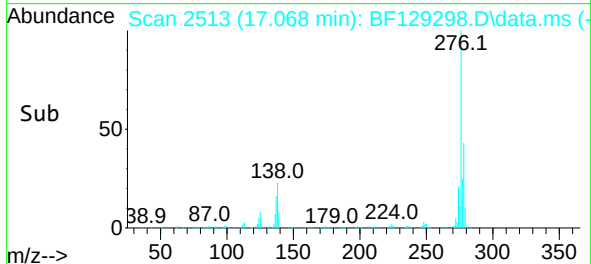
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



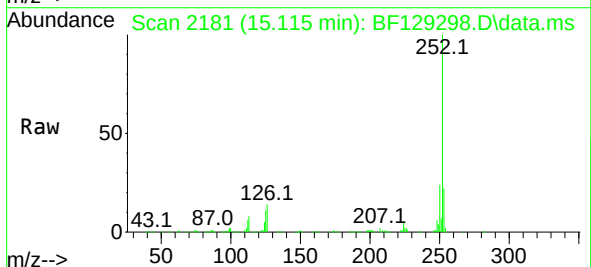
Tgt Ion:276 Resp: 18256
 Ion Ratio Lower Upper
 276 100
 138 24.8 21.1 31.7
 277 25.9 20.3 30.5

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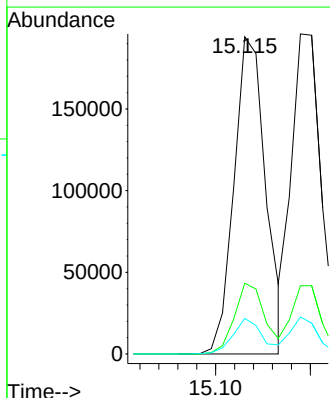
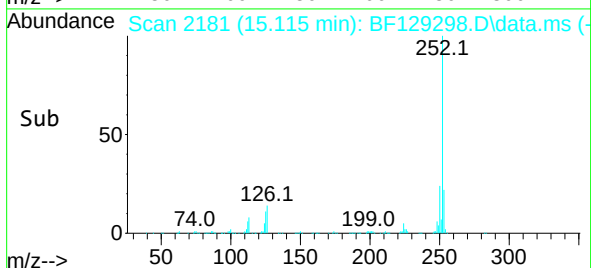
Reviewed By :Christian Giraldo 07/22/2022
 Supervised By :Jagrut Upadhyay 07/22/2022

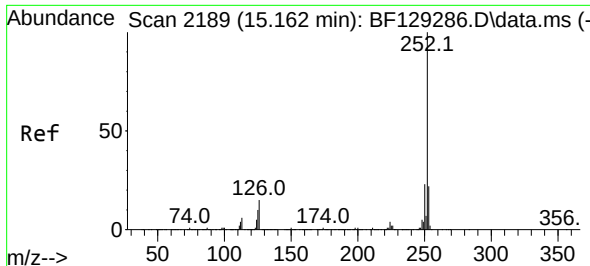


#88
 Benzo(b)fluoranthene
 Concen: 10.761 ng
 RT: 15.115 min Scan# 2181
 Delta R.T. -0.012 min
 Lab File: BF129298.D
 Acq: 21 Jul 2022 16:00



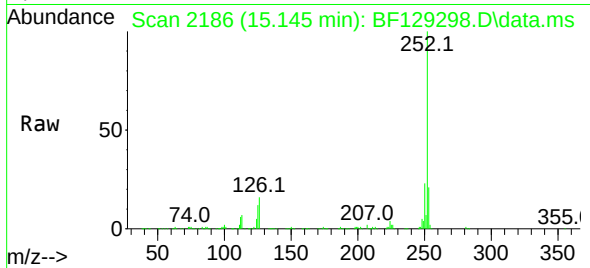
Tgt Ion:252 Resp: 225994
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.7 26.5
 125 11.2 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 10.503 ng
RT: 15.145 min Scan# 2186
Delta R.T. -0.018 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

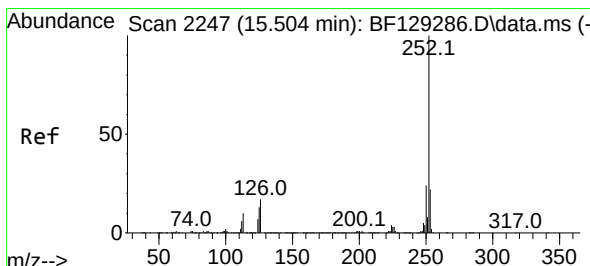
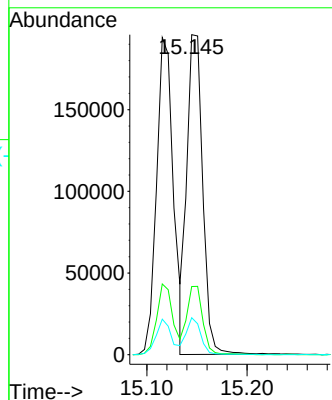
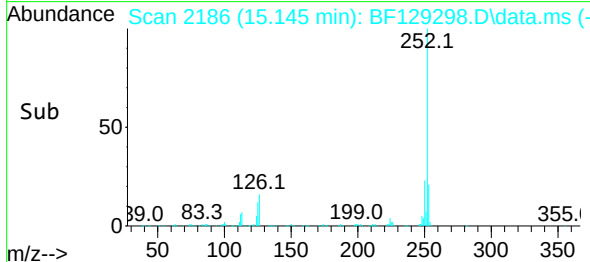
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:252 Resp: 21417
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.6
125 11.5 8.3 12.5

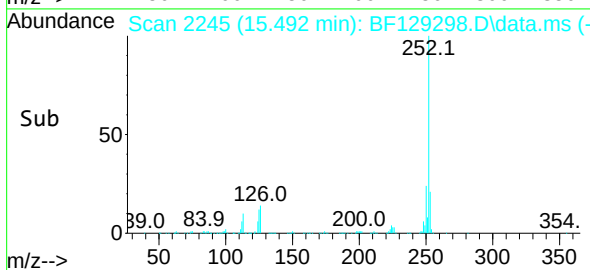
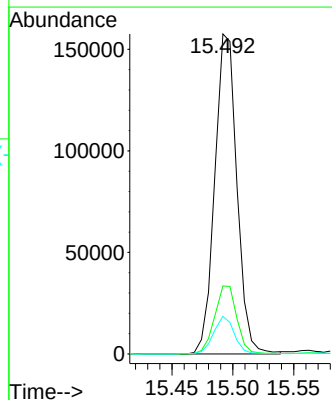
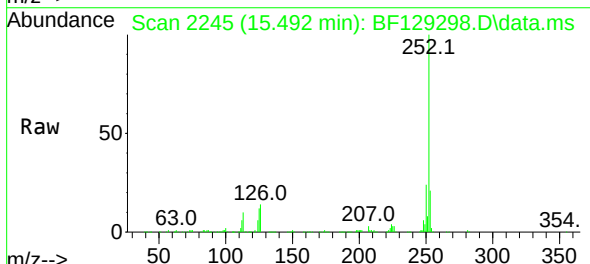
Manual Integrations
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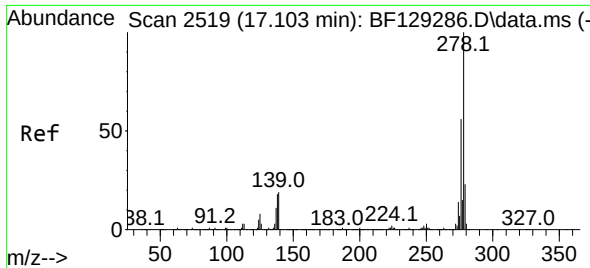
Reviewed By :Christian Giraldo 07/22/2022
Supervised By :Jagrut Upadhyay 07/22/2022



#90
Benzo(a)pyrene
Concen: 11.753 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

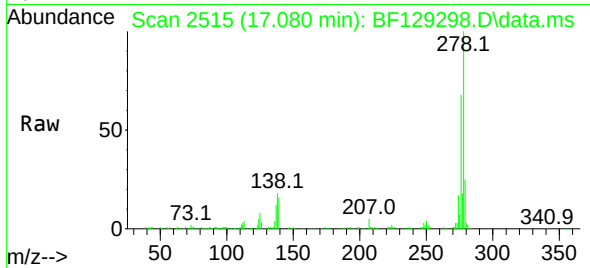
Tgt Ion:252 Resp: 199697
Ion Ratio Lower Upper
252 100
253 21.3 17.0 25.6
125 11.7 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 9.010 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

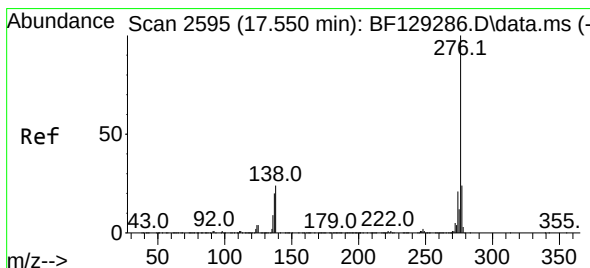
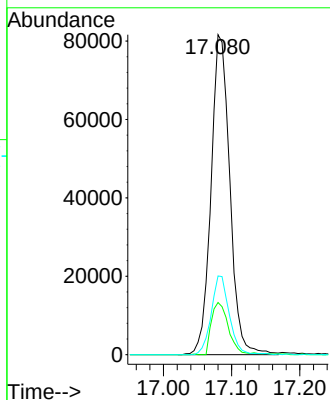
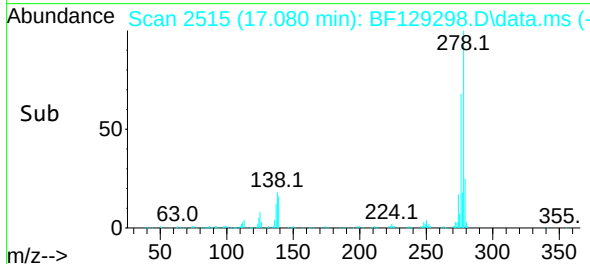
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:278 Resp: 157080
Ion Ratio Lower Upper
278 100
139 16.3 12.8 19.2
279 24.6 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: 8.587 ng
RT: 17.521 min Scan# 2590
Delta R.T. -0.029 min
Lab File: BF129298.D
Acq: 21 Jul 2022 16:00

Tgt Ion:276 Resp: 155561
Ion Ratio Lower Upper
276 100
277 23.0 19.1 28.7
138 21.7 18.0 27.0

