

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020322\
 Data File : BF126793.D
 Acq On : 03 Feb 2022 12:19
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Feb 03 12:43:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 02 15:08:47 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/10/2022
 Supervised By :mohammad ahmed 02/10/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	151140	20.000	ng	0.00
21) Naphthalene-d8	8.234	136	580594	20.000	ng	# 0.00
39) Acenaphthene-d10	9.986	164	320898	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	555774	20.000	ng	0.00
76) Chrysene-d12	14.127	240	440701	20.000	ng	# 0.00
86) Perylene-d12	15.645	264	326233	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1319730	119.597	ng	0.00
7) Phenol-d6	6.575	99	1937788	126.951	ng	0.00
23) Nitrobenzene-d5	7.516	82	1202616	77.521	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	425785	127.848	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1517191	78.287	ng	0.00
79) Terphenyl-d14	13.069	244	1618188	61.424	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	55516	9.942	ng	# 85
3) Pyridine	3.593	79	133103	8.790	ng	# 81
4) n-Nitrosodimethylamine	3.504	42	48666	10.404	ng	77
6) Aniline	6.616	93	235375	12.084	ng	97
8) 2-Chlorophenol	6.734	128	107543	10.658	ng	97
9) Benzaldehyde	6.504	77	121280	12.629	ng	91
10) Phenol	6.581	94	174008	10.651	ng	95
11) bis(2-Chloroethyl)ether	6.681	93	145845	11.080	ng	93
12) 1,3-Dichlorobenzene	6.887	146	126090	11.098	ng	97
13) 1,4-Dichlorobenzene	6.963	146	126055	10.977	ng	97
14) 1,2-Dichlorobenzene	7.122	146	115651	10.364	ng	100
15) Benzyl Alcohol	7.081	79	137566	11.280	ng	93
16) 2,2'-oxybis(1-Chloropr...	7.216	45	160481	11.317	ng	85
17) 2-Methylphenol	7.187	107	106106	10.694	ng	95
18) Hexachloroethane	7.463	117	49419	10.986	ng	# 87
19) n-Nitroso-di-n-propyla...	7.351	70	109473	10.892	ng	# 83
20) 3+4-Methylphenols	7.340	107	139766	11.184	ng	# 78
22) Acetophenone	7.351	105	179724	10.698	ng	# 89
24) Nitrobenzene	7.528	77	171716	11.151	ng	# 85
25) Isophorone	7.763	82	286720	10.769	ng	95
26) 2-Nitrophenol	7.845	139	53954	10.512	ng	# 84
27) 2,4-Dimethylphenol	7.869	122	109508	12.216	ng	91
28) bis(2-Chloroethoxy)met...	7.969	93	179187	10.612	ng	# 96
29) 2,4-Dichlorophenol	8.081	162	92807	10.517	ng	98
30) 1,2,4-Trichlorobenzene	8.169	180	99831	10.520	ng	95
31) Naphthalene	8.251	128	343740	11.327	ng	99
32) Benzoic acid	7.934	122	48413m	6.998	ng	
33) 4-Chloroaniline	8.298	127	141582	11.547	ng	# 93
34) Hexachlorobutadiene	8.363	225	59951	10.079	ng	97
35) Caprolactam	8.634	113	31550	9.826	ng	# 83
36) 4-Chloro-3-methylphenol	8.763	107	116024	10.315	ng	88
37) 2-Methylnaphthalene	8.939	142	220852	11.811	ng	99
38) 1-Methylnaphthalene	9.039	142	203188	11.288	ng	99
40) 1,2,4,5-Tetrachloroben...	9.104	216	95681	10.356	ng	96
41) Hexachlorocyclopentadiene	9.092	237	62038	11.649	ng	93
43) 2,4,6-Trichlorophenol	9.216	196	66655	10.240	ng	98

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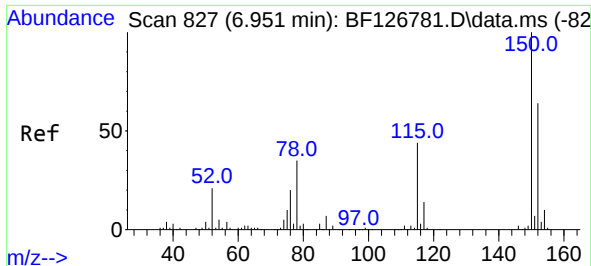
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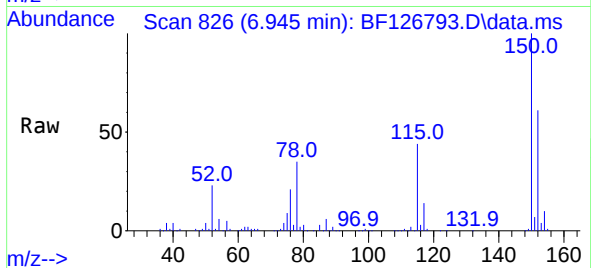
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44) 2,4,5-Trichlorophenol	9.251	196	68733	10.115	ng	95
46) 1,1'-Biphenyl	9.404	154	252040	10.724	ng	96
47) 2-Chloronaphthalene	9.434	162	206765	11.098	ng	99
48) 2-Nitroaniline	9.522	65	79310	10.441	ng	89
49) Acenaphthylene	9.851	152	329192	11.444	ng	99
50) Dimethylphthalate	9.698	163	236420	10.659	ng	100
51) 2,6-Dinitrotoluene	9.763	165	49867	10.944	ng	# 82
52) Acenaphthene	10.022	154	200855	10.952	ng	98
53) 3-Nitroaniline	9.933	138	55647	10.718	ng	# 84
54) 2,4-Dinitrophenol	10.039	184	17253	7.188	ng	89
55) Dibenzofuran	10.192	168	294584	10.882	ng	99
56) 4-Nitrophenol	10.081	139	40026	10.179	ng	89
57) 2,4-Dinitrotoluene	10.163	165	66970	10.845	ng	# 93
58) Fluorene	10.539	166	229768	11.472	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.304	232	61106	10.389	ng	# 80
60) Diethylphthalate	10.404	149	234125	10.742	ng	98
61) 4-Chlorophenyl-phenyle...	10.528	204	110834	10.940	ng	89
62) 4-Nitroaniline	10.545	138	51421	10.437	ng	82
63) Azobenzene	10.692	77	330592	10.932	ng	92
65) 4,6-Dinitro-2-methylph...	10.575	198	27915	8.280	ng	93
66) n-Nitrosodiphenylamine	10.645	169	197431	11.047	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	67501	10.611	ng	# 91
68) Hexachlorobenzene	11.080	284	72816	10.461	ng	95
69) Atrazine	11.169	200	63079	10.877	ng	91
70) Pentachlorophenol	11.275	266	38165	9.398	ng	96
71) Phenanthrene	11.504	178	350006	11.371	ng	99
72) Anthracene	11.557	178	354048	11.484	ng	99
73) Carbazole	11.710	167	302876	10.414	ng	98
74) Di-n-butylphthalate	12.033	149	361032	10.706	ng	99
75) Fluoranthene	12.692	202	342017	10.924	ng	98
77) Benzidine	12.816	184	193171	19.107	ng	98
78) Pyrene	12.927	202	350173	9.943	ng	98
80) Butylbenzylphthalate	13.539	149	138944	9.508	ng	# 90
81) Benzo(a)anthracene	14.116	228	299315	10.179	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	93716	11.128	ng	98
83) Chrysene	14.151	228	295762	10.623	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	198626	10.447	ng	# 98
85) Di-n-octyl phthalate	14.716	149	289566	10.681	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.180	276	171809	8.635	ng	# 90
88) Benzo(b)fluoranthene	15.186	252	235978	11.062	ng	# 95
89) Benzo(k)fluoranthene	15.221	252	230936	10.853	ng	# 93
90) Benzo(a)pyrene	15.574	252	207081	12.178	ng	# 95
91) Dibenzo(a,h)anthracene	17.204	278	146291	8.976	ng	# 94
92) Benzo(g,h,i)perylene	17.657	276	143323	8.903	ng	# 89

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

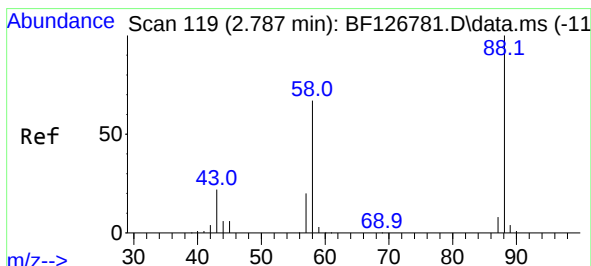
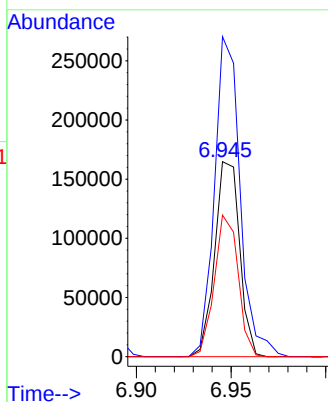
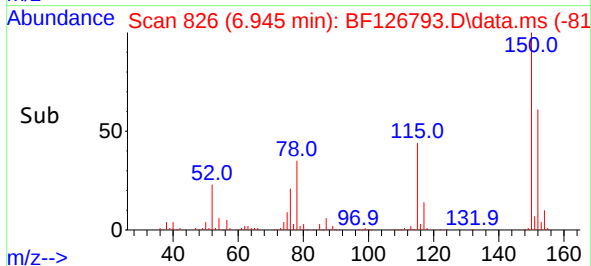
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



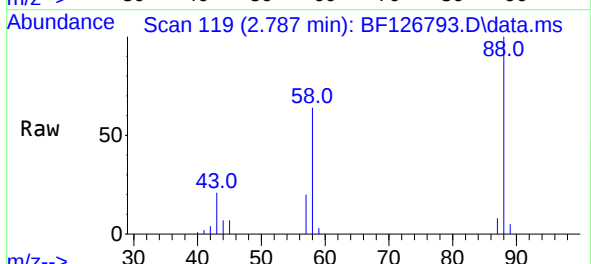
Tgt Ion:152 Resp: 151140
Ion Ratio Lower Upper
152 100
150 164.1 128.1 192.1
115 72.6 56.7 85.1

Manual Integrations
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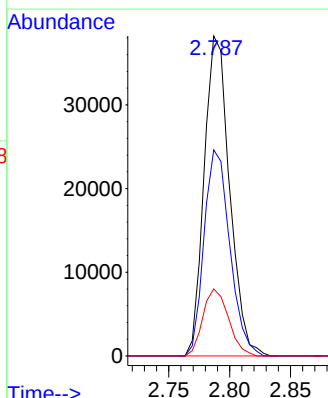
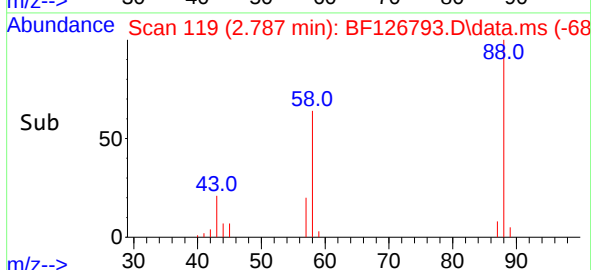
Reviewed By :Christian Giraldo 02/10/2022
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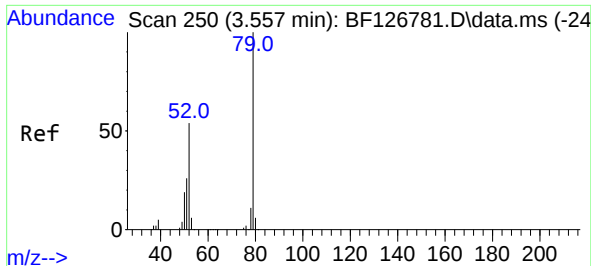


#2
1,4-Dioxane
Concen: 9.942 ng
RT: 2.787 min Scan# 119
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



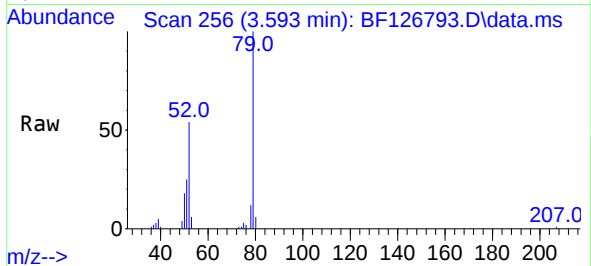
Tgt Ion: 88 Resp: 55516
Ion Ratio Lower Upper
88 100
58 65.1 62.8 94.2
43 21.1 22.3 33.5#





#3
Pyridine
Concen: 8.790 ng
RT: 3.593 min Scan# 241
Delta R.T. 0.035 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

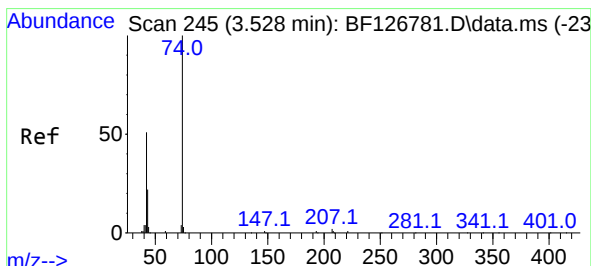
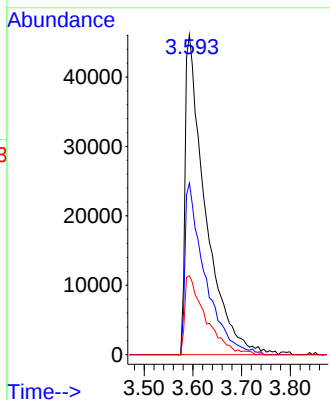
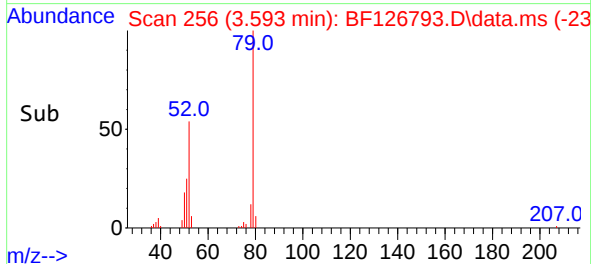
Instrument :
BNA_F
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LOQ-SOIL-02-QT4-2021



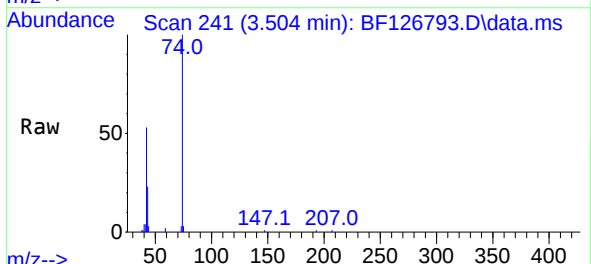
Tgt Ion: 79 Resp: 13310
Ion Ratio Lower Upper
79 100
52 53.7 56.2 84.4
51 24.6 26.7 40.1

Manual Integrations
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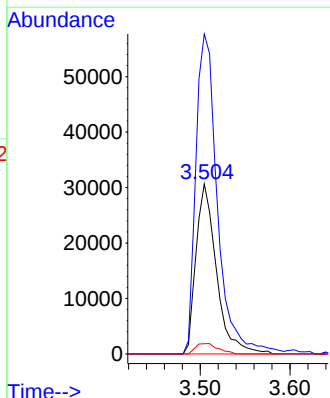
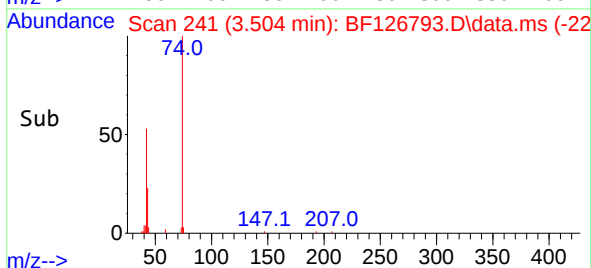
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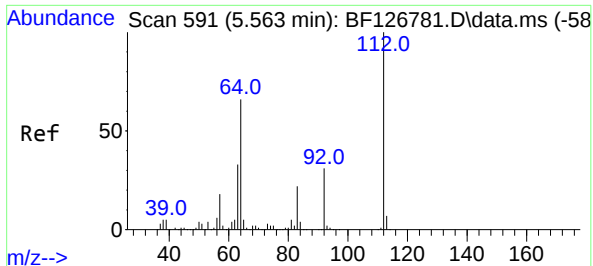


#4
n-Nitrosodimethylamine
Concen: 10.404 ng
RT: 3.504 min Scan# 241
Delta R.T. -0.024 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



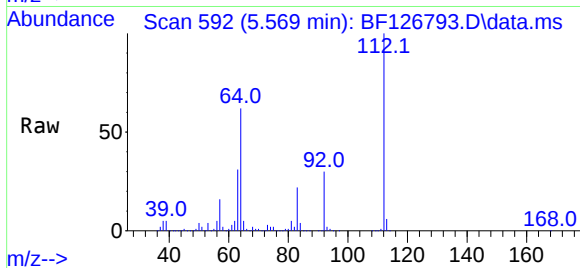
Tgt Ion: 42 Resp: 48666
Ion Ratio Lower Upper
42 100
74 188.1 125.6 188.4
44 6.1 5.7 8.5





#5
2-Fluorophenol
Concen: 119.597 ng
RT: 5.569 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

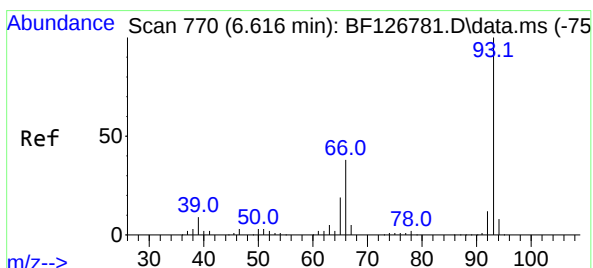
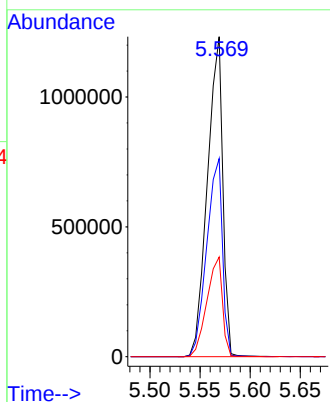
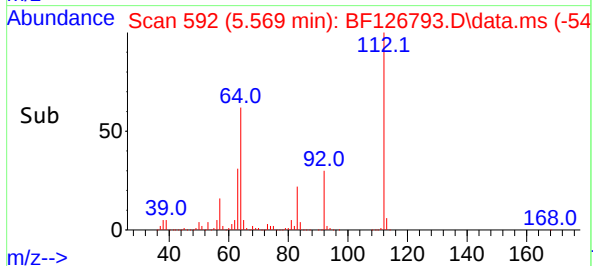
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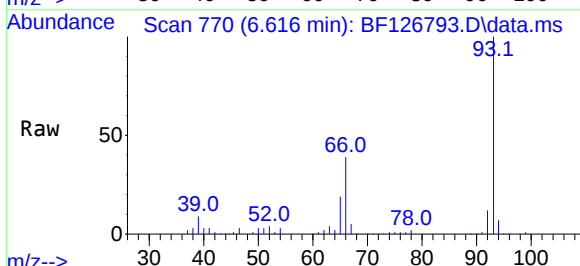
Tgt Ion:112 Resp: 1319730
Ion Ratio Lower Upper
112 100
64 61.9 49.5 74.3
63 31.1 23.9 35.9

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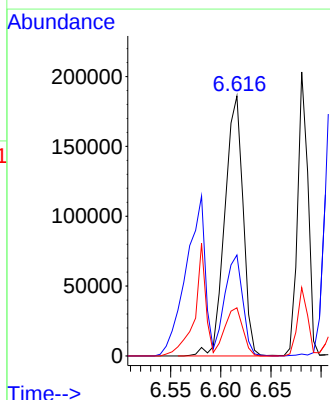
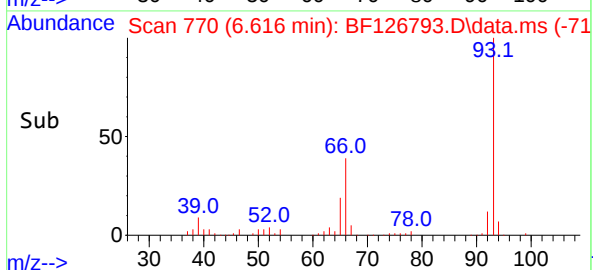
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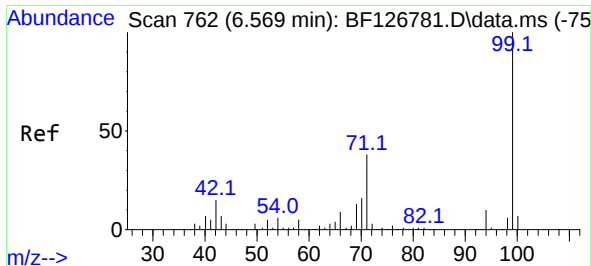


#6
Aniline
Concen: 12.084 ng
RT: 6.616 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



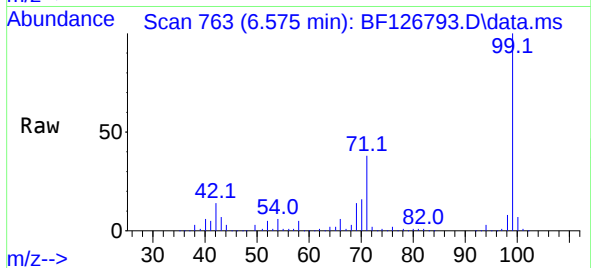
Tgt Ion: 93 Resp: 235375
Ion Ratio Lower Upper
93 100
66 38.9 32.2 48.4
65 18.6 16.3 24.5





#7
Phenol-d6
Concen: 126.951 ng
RT: 6.575 min Scan# 763
Delta R.T. 0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

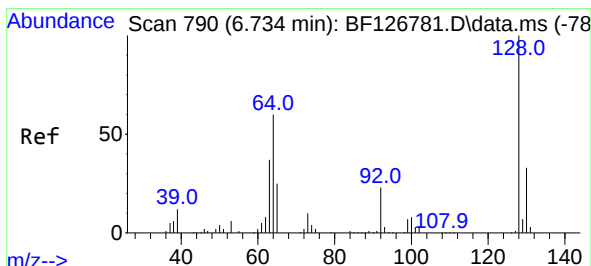
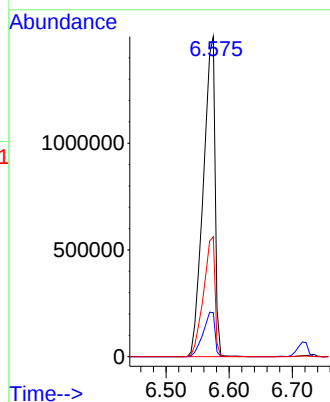
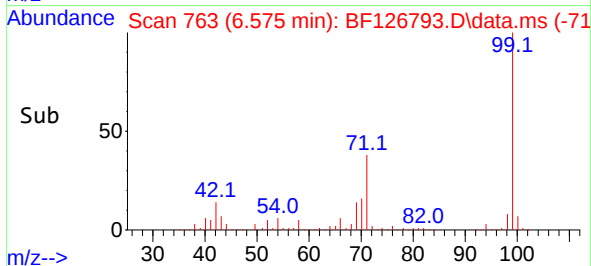
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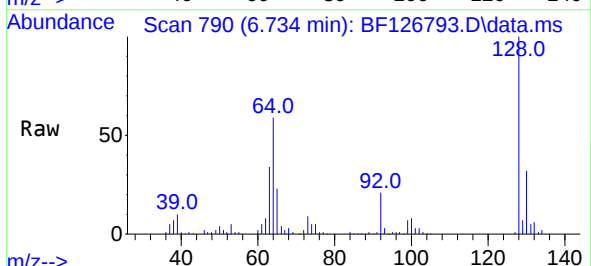
Tgt Ion: 99 Resp: 193778
Ion Ratio Lower Upper
99 100
42 13.8 14.2 21.4
71 37.5 24.3 36.5

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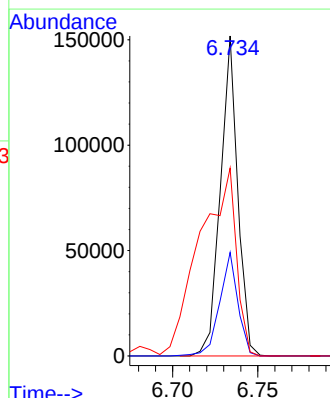
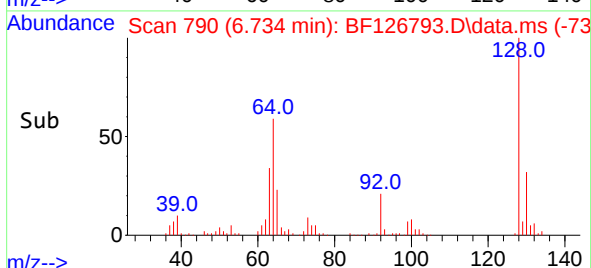
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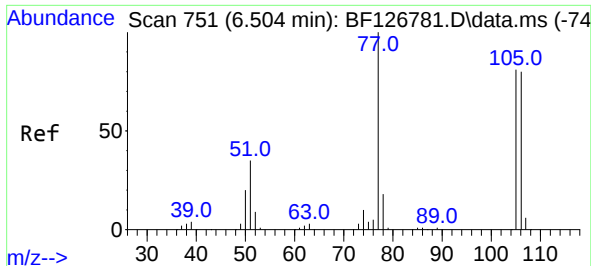


#8
2-Chlorophenol
Concen: 10.658 ng
RT: 6.734 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



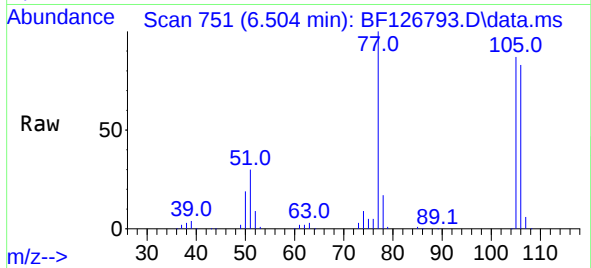
Tgt Ion:128 Resp: 107543
Ion Ratio Lower Upper
128 100
130 32.4 12.7 52.7
64 58.7 35.6 75.6





#9
Benzaldehyde
Concen: 12.629 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

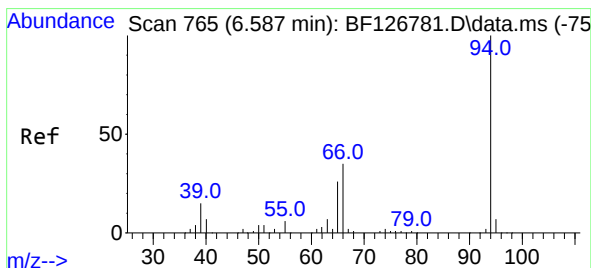
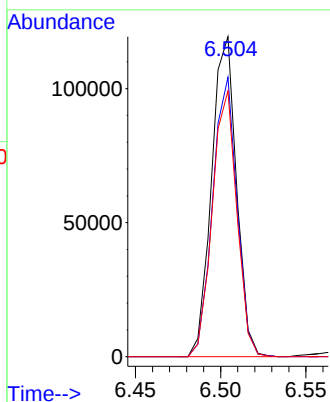
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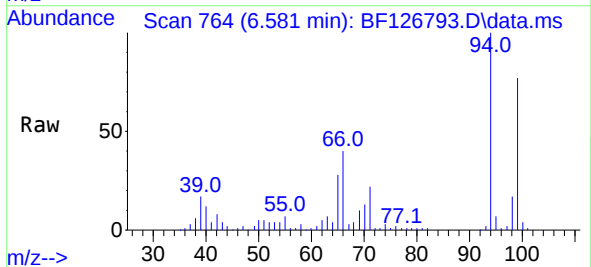
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Ion Ratio Lower Upper
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106 83.0 72.4 112.4

Manual Integrations
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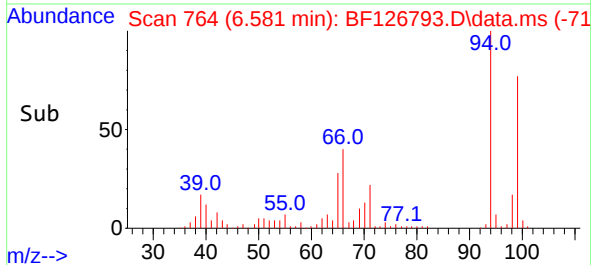
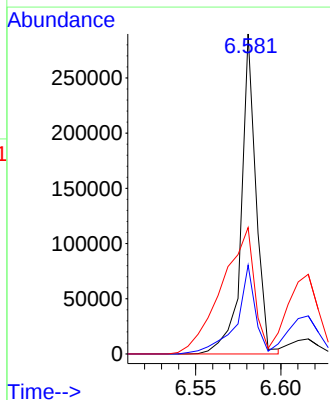
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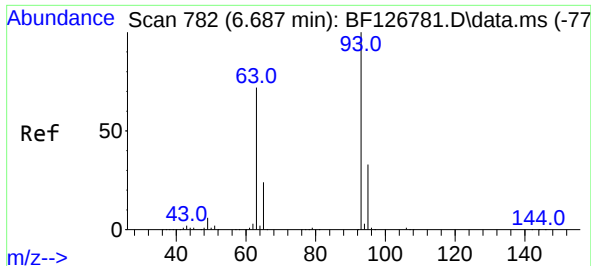


#10
Phenol
Concen: 10.651 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



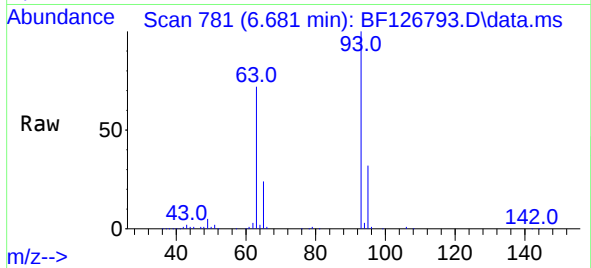
Tgt Ion: 94 Resp: 174008
Ion Ratio Lower Upper
94 100
65 27.8 7.2 47.2
66 39.5 14.5 54.5





#11
bis(2-Chloroethyl)ether
Concen: 11.080 ng
RT: 6.681 min Scan# 781
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

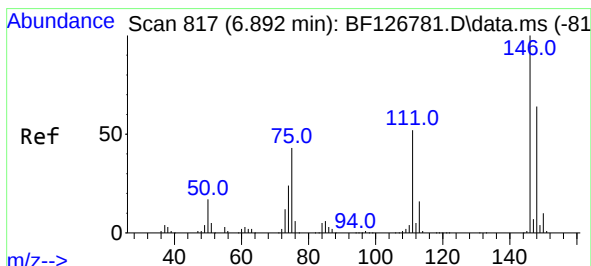
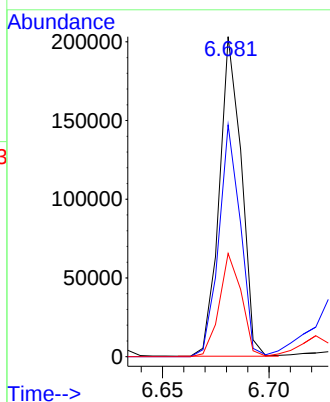
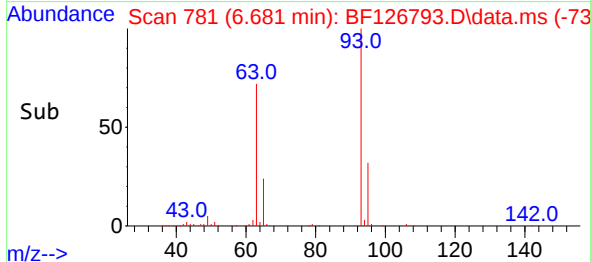
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



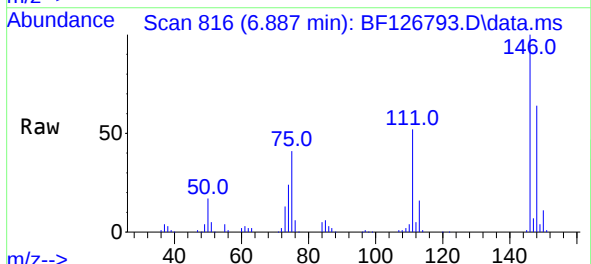
Tgt Ion: 93 Resp: 145845
Ion Ratio Lower Upper
93 100
63 72.4 60.5 100.5
95 32.2 12.9 52.9

Manual Integrations
APPROVED

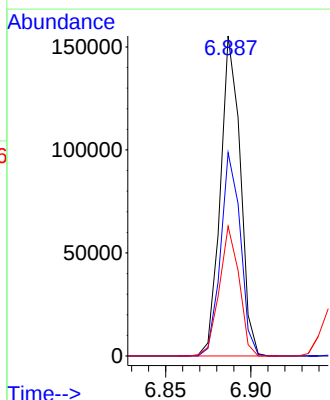
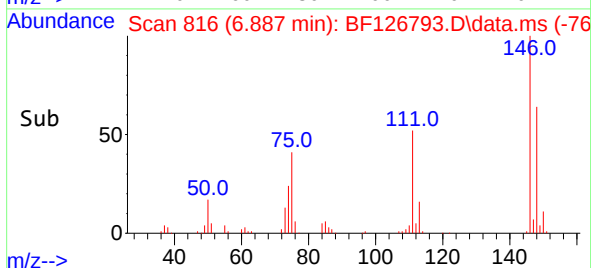
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

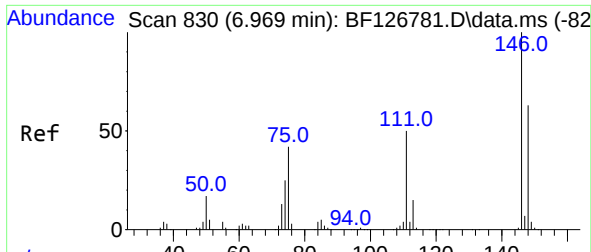


#12
1,3-Dichlorobenzene
Concen: 11.098 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



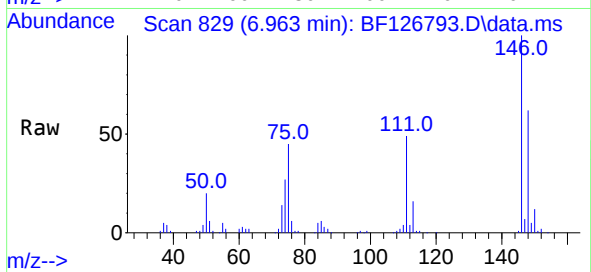
Tgt Ion:146 Resp: 126090
Ion Ratio Lower Upper
146 100
148 63.6 50.9 76.3
75 40.5 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 10.977 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

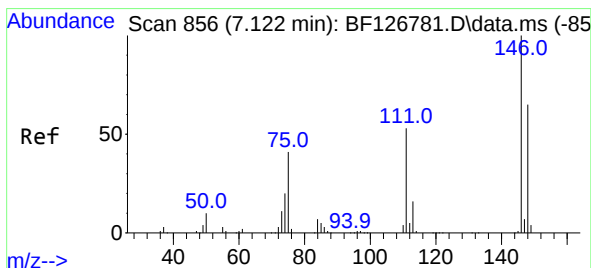
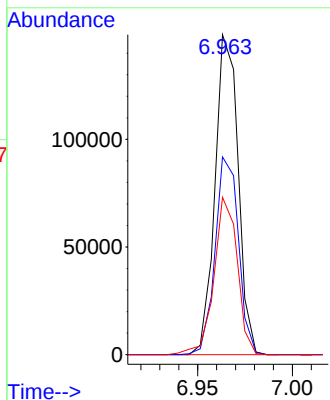
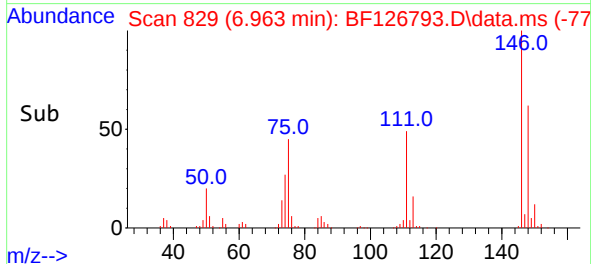
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:146 Resp: 126051
Ion Ratio Lower Upper
146 100
148 61.8 49.8 74.6
111 49.2 36.1 54.1

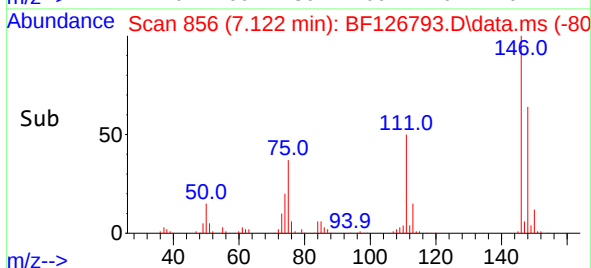
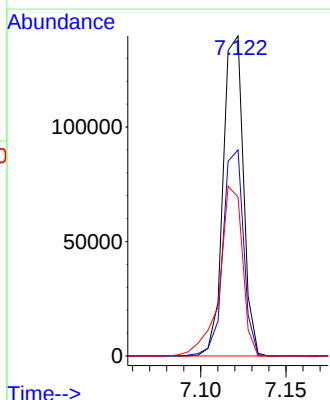
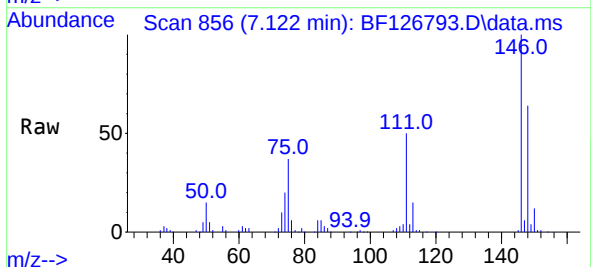
Manual Integrations
APPROVED

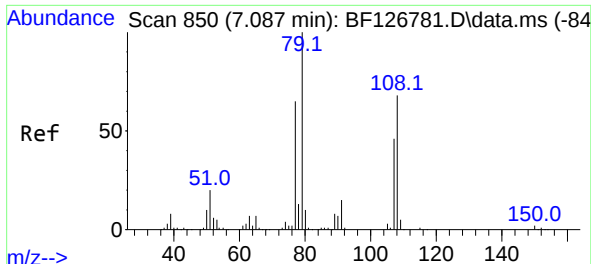
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#14
1,2-Dichlorobenzene
Concen: 10.364 ng
RT: 7.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

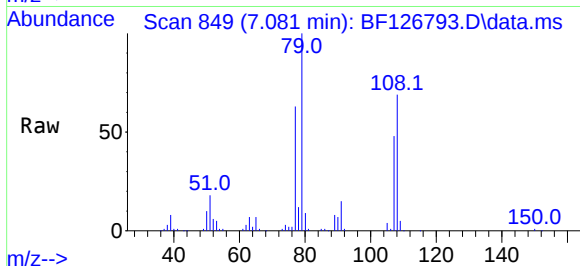
Tgt Ion:146 Resp: 115651
Ion Ratio Lower Upper
146 100
148 64.4 51.6 77.4
111 49.7 40.2 60.2





#15
Benzyl Alcohol
Concen: 11.280 ng
RT: 7.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

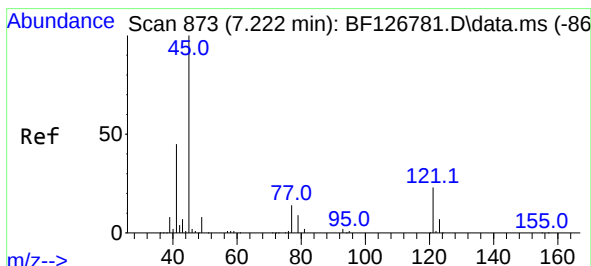
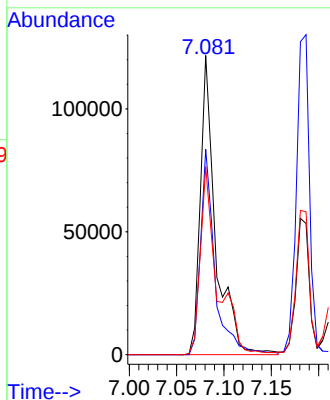
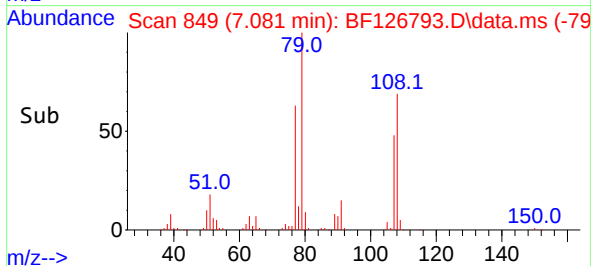
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 79 Resp: 137560
Ion Ratio Lower Upper
79 100
108 68.6 63.2 94.8
77 62.8 49.4 74.2

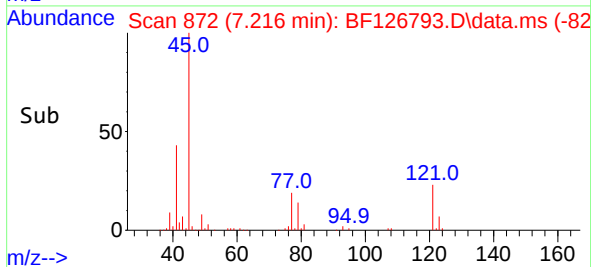
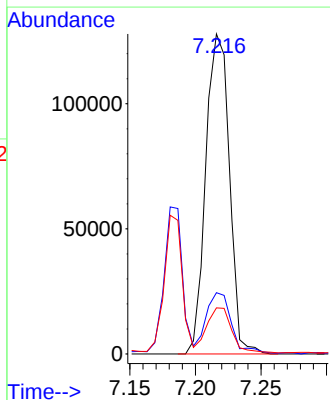
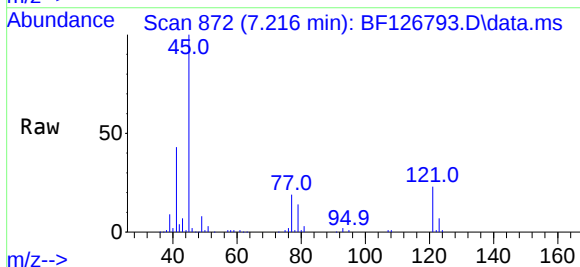
Manual Integrations
APPROVED

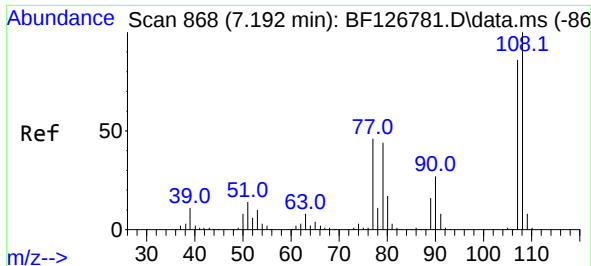
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.317 ng
RT: 7.216 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

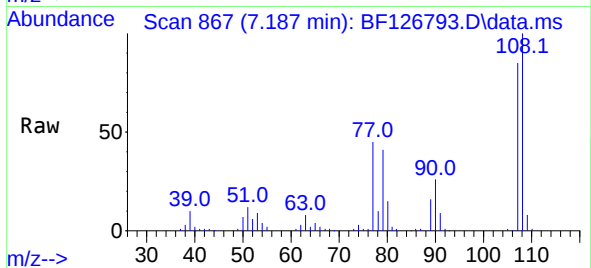
Tgt Ion: 45 Resp: 160481
Ion Ratio Lower Upper
45 100
77 19.2 0.0 32.4
79 14.4 0.0 29.8





#17
2-Methylphenol
Concen: 10.694 ng
RT: 7.187 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

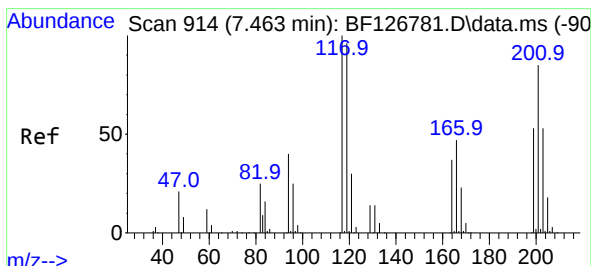
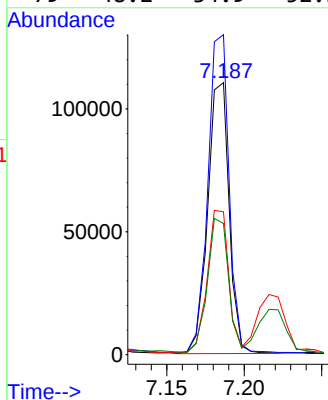
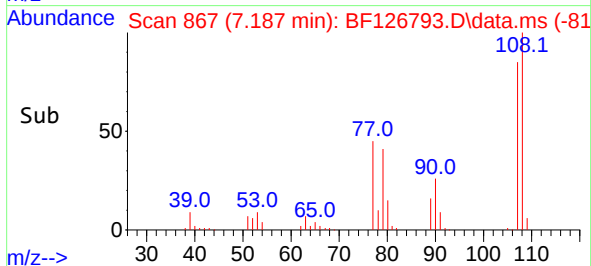
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:107 Resp: 106100
Ion Ratio Lower Upper
107 100
108 117.7 93.4 140.0
77 52.5 36.1 54.1
79 48.2 34.9 52.3

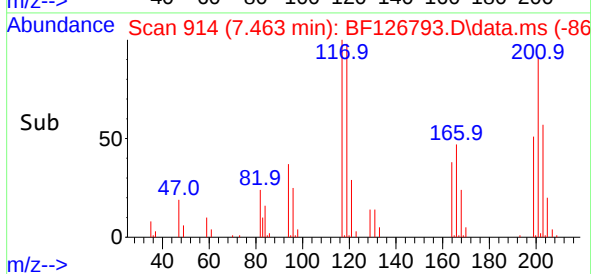
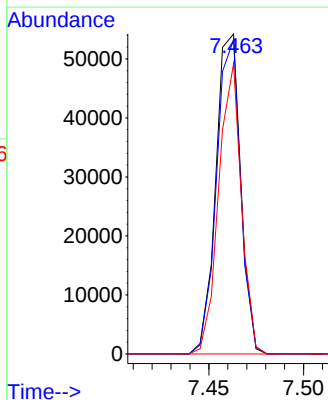
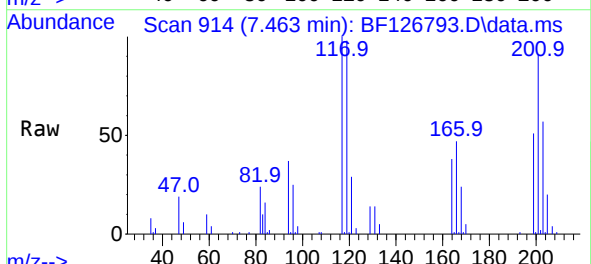
Manual Integrations
APPROVED

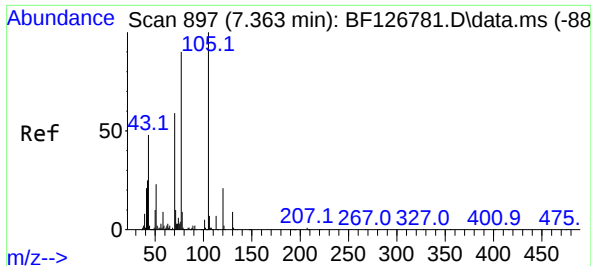
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#18
Hexachloroethane
Concen: 10.986 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

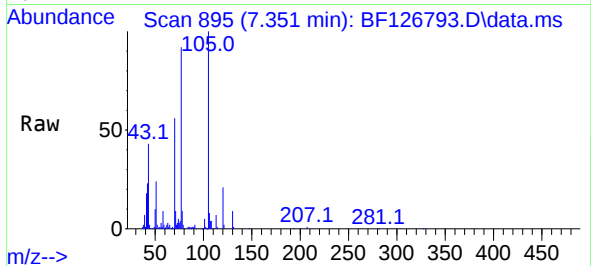
Tgt Ion:117 Resp: 49419
Ion Ratio Lower Upper
117 100
119 98.2 75.4 113.0
201 90.8 56.8 85.2#





#19
n-Nitroso-di-n-propylamine
Concen: 10.892 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

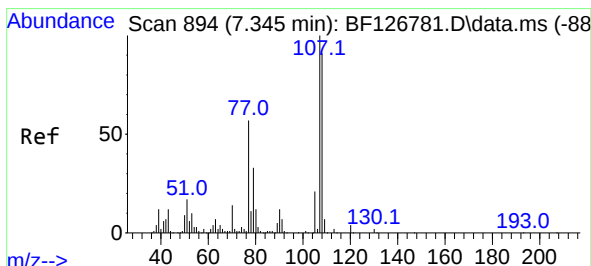
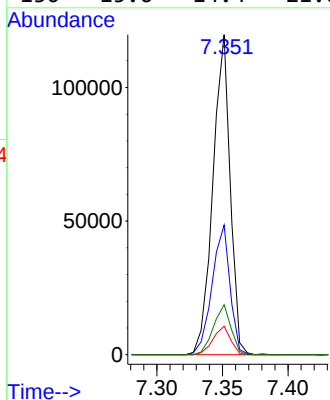
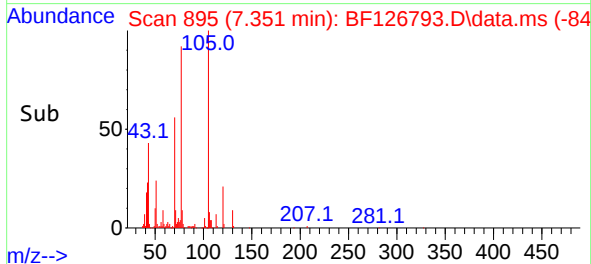
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



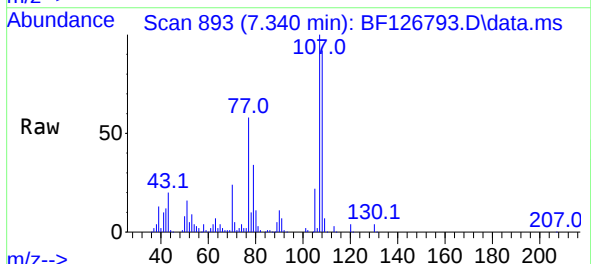
Tgt Ion: 70 Resp: 10947
Ion Ratio Lower Upper
70 100
42 40.5 45.8 68.8
101 8.9 6.9 10.3
130 15.6 14.4 21.6

Manual Integrations
APPROVED

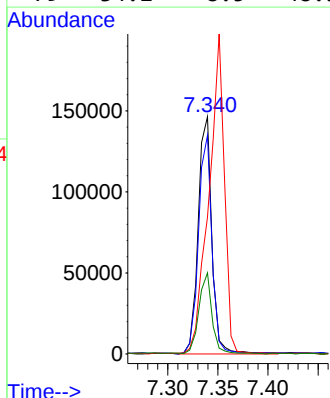
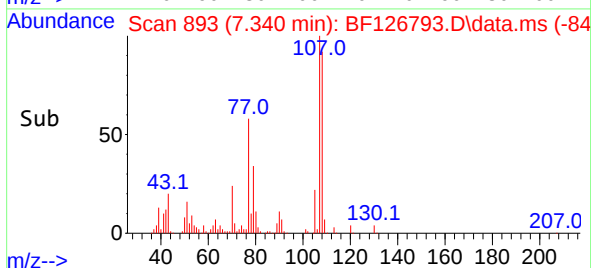
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

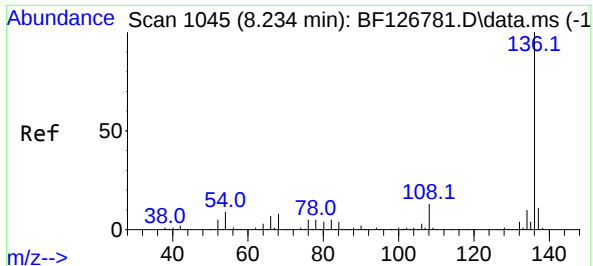


#20
3+4-Methylphenols
Concen: 11.184 ng
RT: 7.340 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



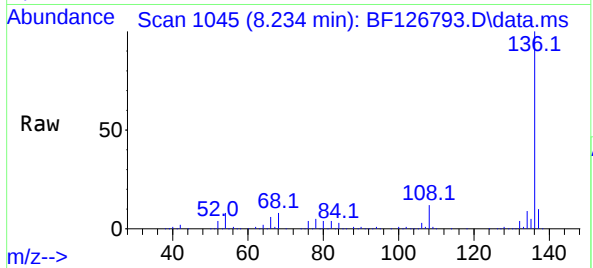
Tgt Ion:107 Resp: 139766
Ion Ratio Lower Upper
107 100
108 92.1 72.4 112.4
77 57.7 83.8 123.8
79 34.2 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

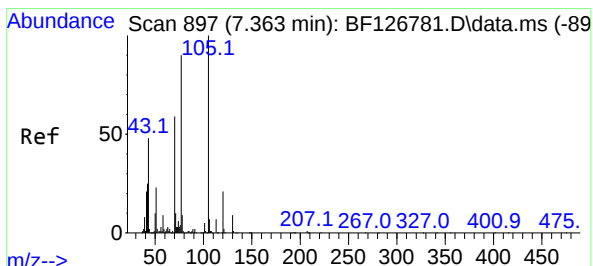
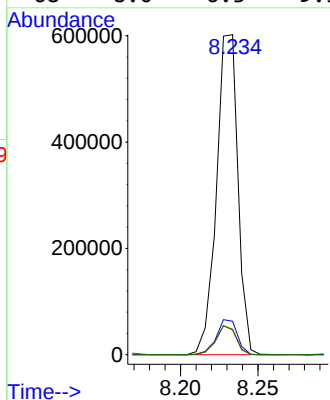
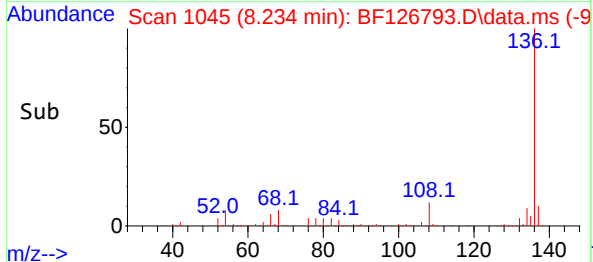
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



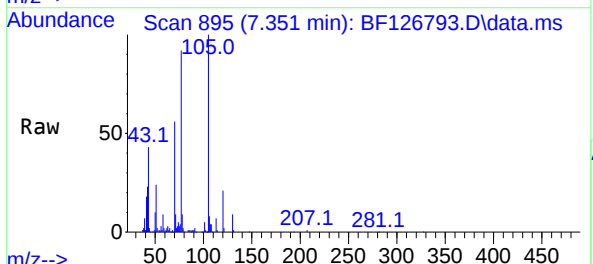
Tgt Ion:136 Resp: 580594
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 7.7 7.8 11.6
68 8.0 6.3 9.5

Manual Integrations
APPROVED

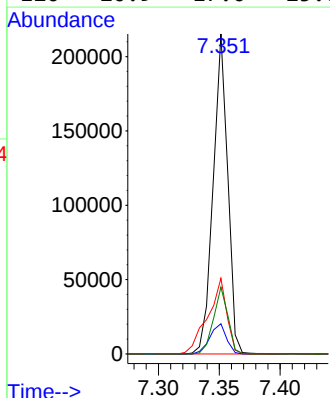
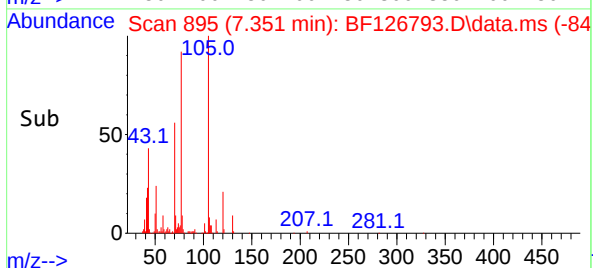
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

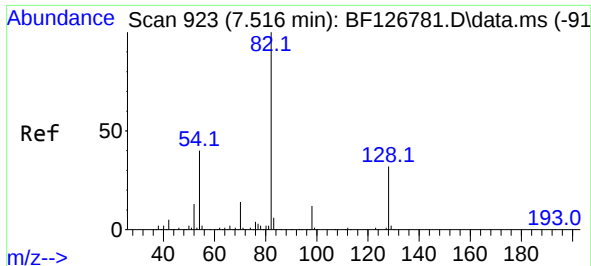


#22
Acetophenone
Concen: 10.698 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



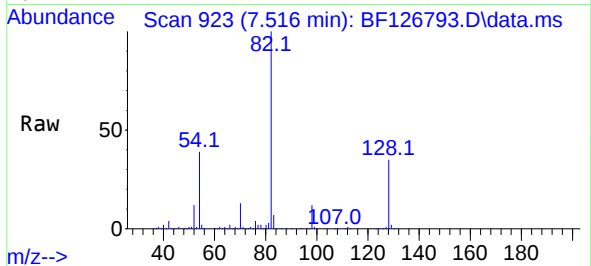
Tgt Ion:105 Resp: 179724
Ion Ratio Lower Upper
105 100
71 9.4 5.4 8.0#
51 23.6 27.4 41.0#
120 20.9 17.0 25.6





#23
Nitrobenzene-d5
Concen: 77.521 ng
RT: 7.516 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

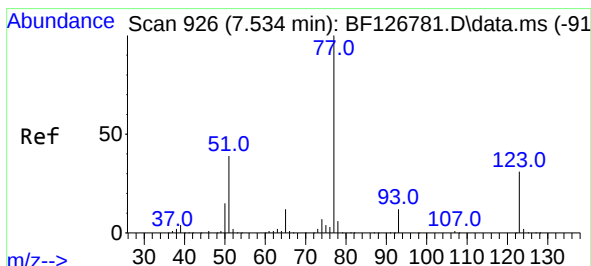
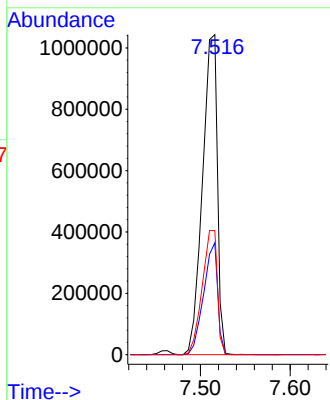
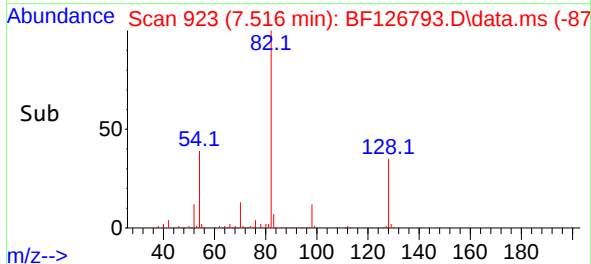
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



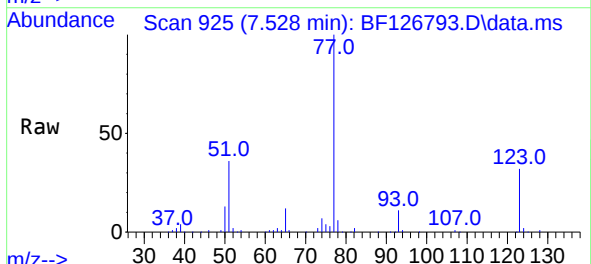
Tgt Ion: 82 Resp: 1202610
Ion Ratio Lower Upper
82 100
128 35.0 32.7 49.1
54 38.8 41.7 62.5

Manual Integrations
APPROVED

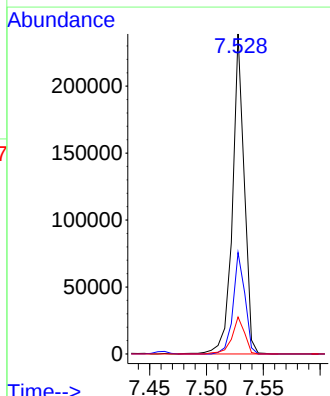
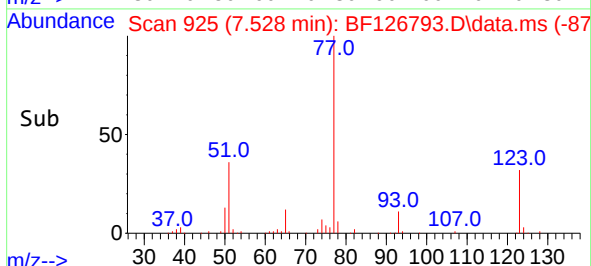
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

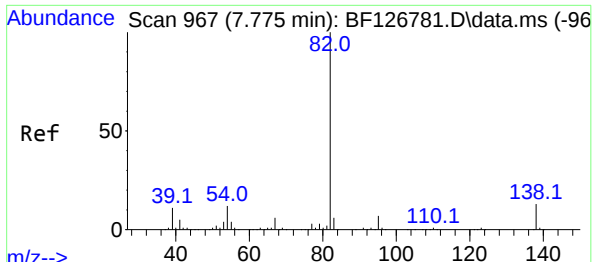


#24
Nitrobenzene
Concen: 11.151 ng
RT: 7.528 min Scan# 925
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



Tgt Ion: 77 Resp: 171716
Ion Ratio Lower Upper
77 100
123 31.7 34.6 52.0#
65 11.5 10.6 15.8





#25

Isophorone

Concen: 10.769 ng

RT: 7.763 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

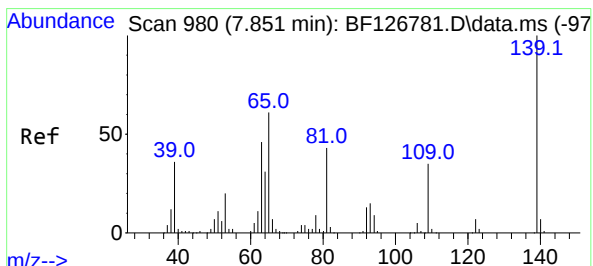
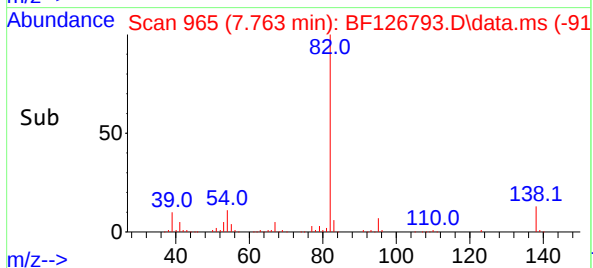
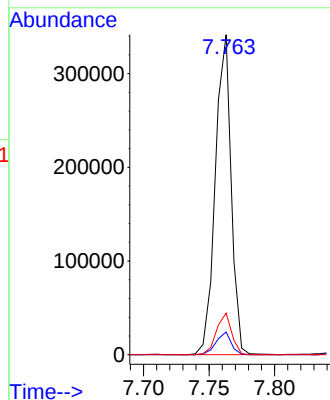
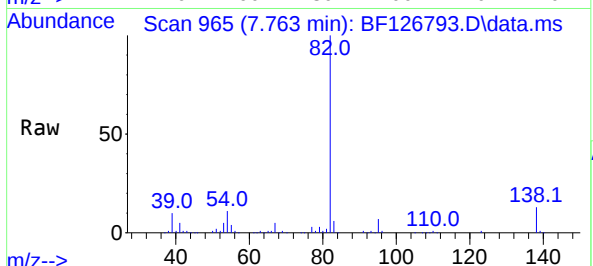
Tgt Ion: 82 Resp: 286720

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.0	7.4
138	13.0	12.3	18.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#26

2-Nitrophenol

Concen: 10.512 ng

RT: 7.845 min Scan# 979

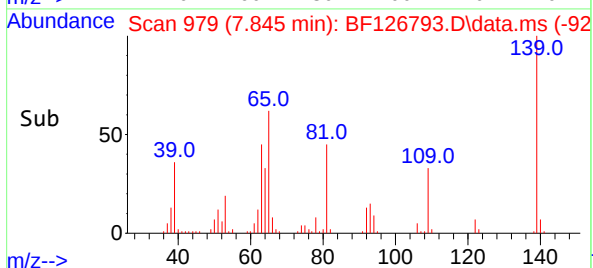
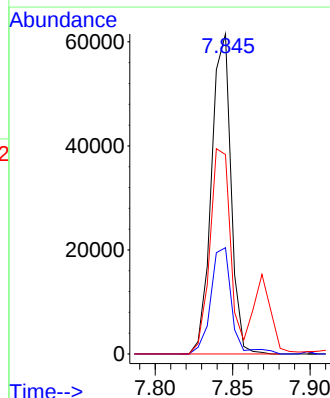
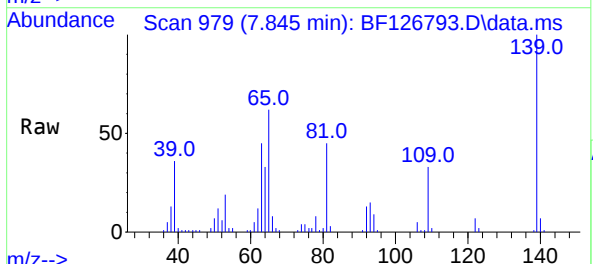
Delta R.T. -0.006 min

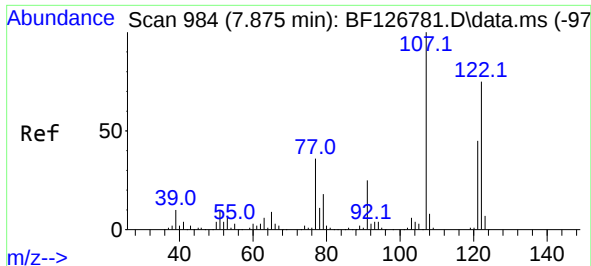
Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

Tgt Ion:139 Resp: 53954

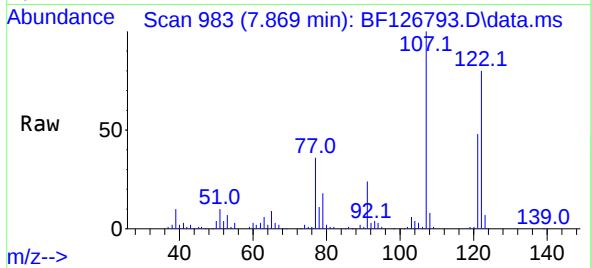
Ion	Ratio	Lower	Upper
139	100		
109	33.2	20.0	30.0#
65	62.3	40.8	61.2#





#27
2,4-Dimethylphenol
Concen: 12.216 ng
RT: 7.869 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

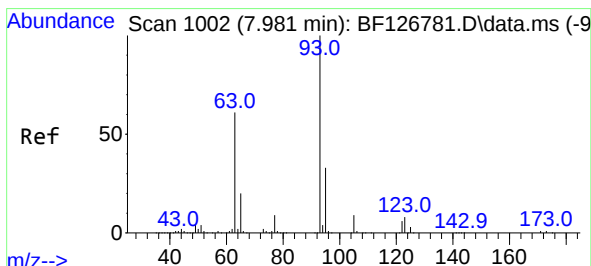
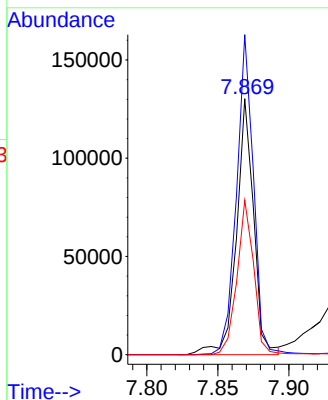
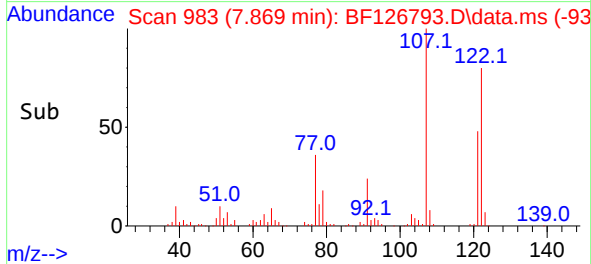
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



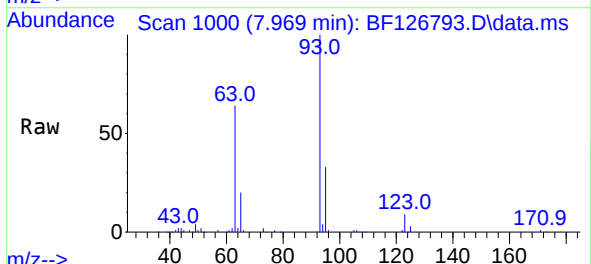
Tgt Ion:122 Resp: 109508
Ion Ratio Lower Upper
122 100
107 125.0 91.2 136.8
121 60.3 44.4 66.6

Manual Integrations
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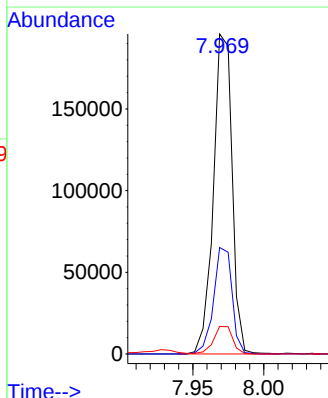
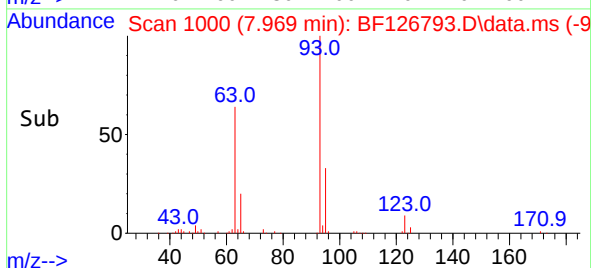
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

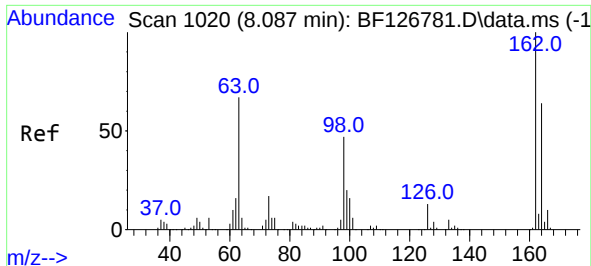


#28
bis(2-Chloroethoxy)methane
Concen: 10.612 ng
RT: 7.969 min Scan# 1000
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



Tgt Ion: 93 Resp: 179187
Ion Ratio Lower Upper
93 100
95 33.3 25.4 38.2
123 8.6 8.9 13.3#





#29

2,4-Dichlorophenol

Concen: 10.517 ng

RT: 8.081 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion:162 Resp: 9280

Ion Ratio Lower Upper

162 100

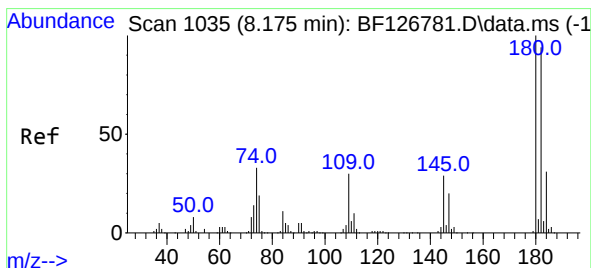
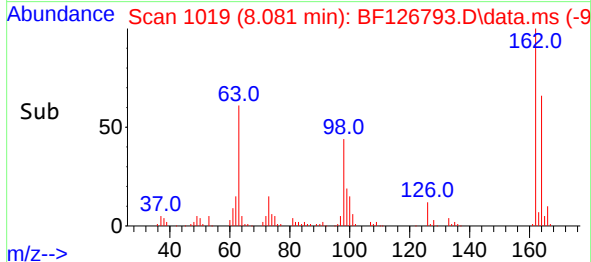
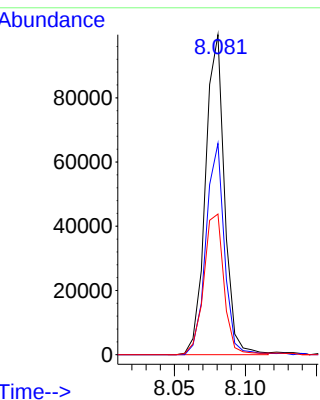
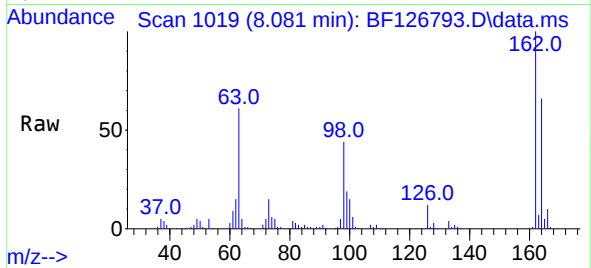
164 66.0 43.8 83.8

98 43.9 23.6 63.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#30

1,2,4-Trichlorobenzene

Concen: 10.520 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

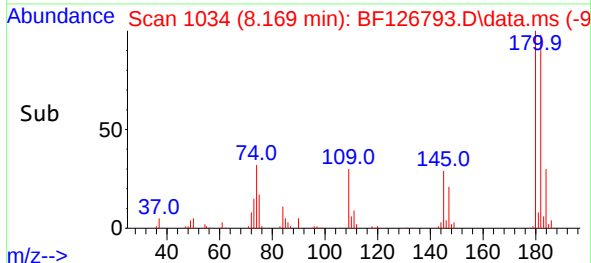
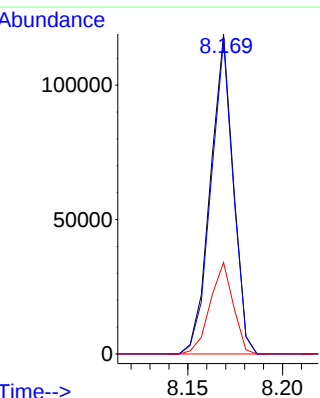
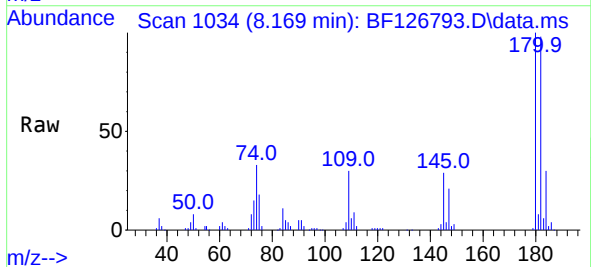
Tgt Ion:180 Resp: 99831

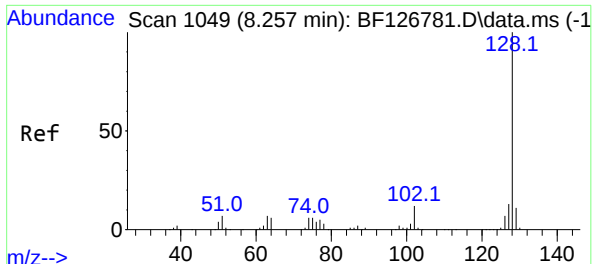
Ion Ratio Lower Upper

180 100

182 98.0 75.5 113.3

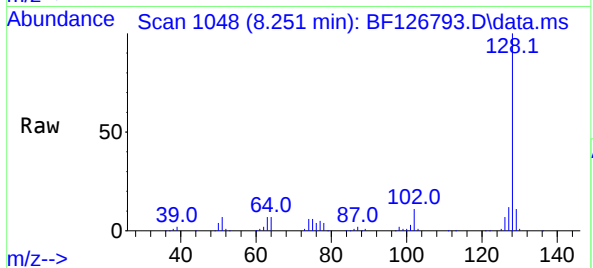
145 28.6 26.2 39.2





#31
Naphthalene
Concen: 11.327 ng
RT: 8.251 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

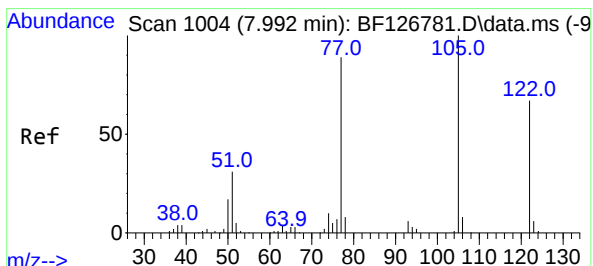
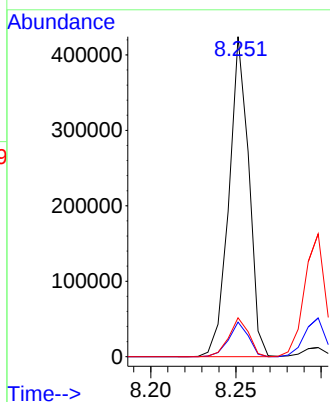
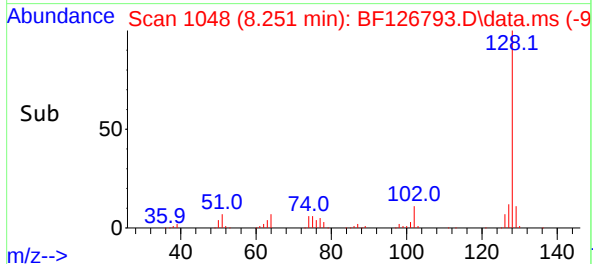
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2021



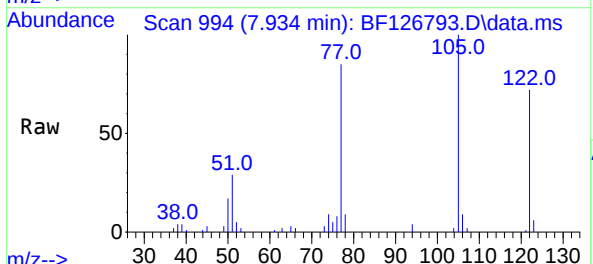
Tgt Ion:128 Resp: 343740
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 12.2 10.3 15.5

Manual Integrations
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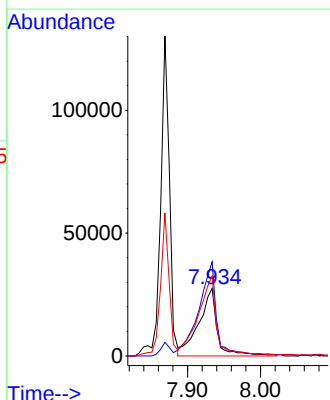
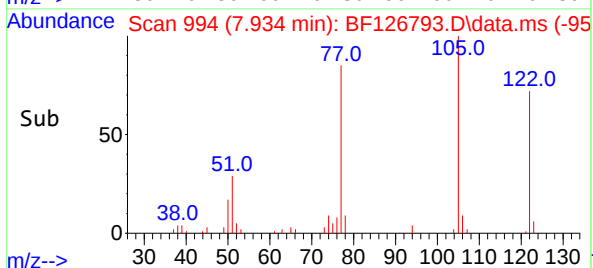
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

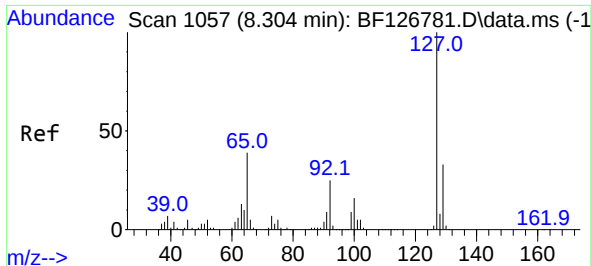


#32
Benzoic acid
Concen: 6.998 ng m
RT: 7.934 min Scan# 994
Delta R.T. -0.059 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



Tgt Ion:122 Resp: 48413
Ion Ratio Lower Upper
122 100
105 139.5 101.0 141.0
77 118.3 74.5 114.5#





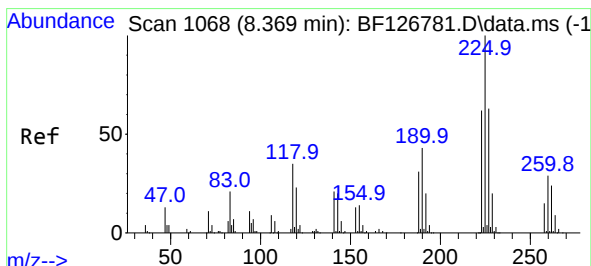
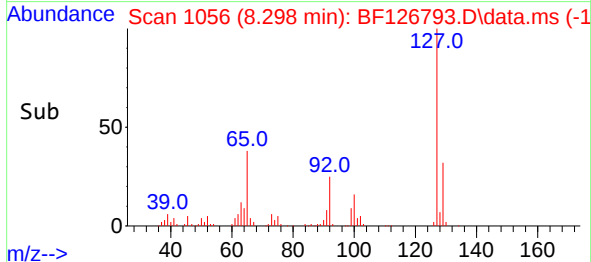
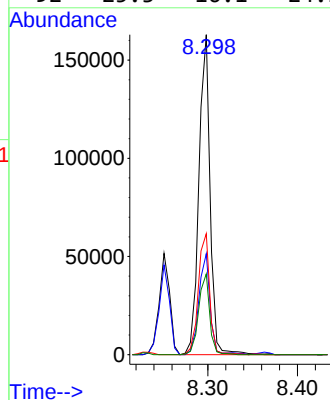
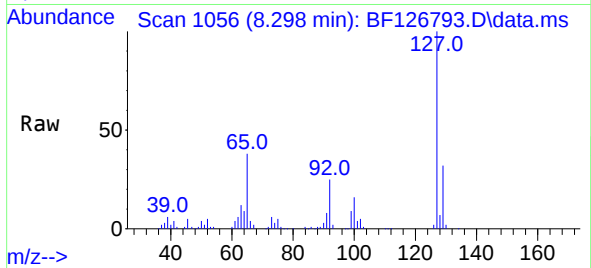
#33
4-Chloroaniline
Concen: 11.547 ng
RT: 8.298 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:	127	Resp:	14158
Ion Ratio	Lower	Upper	
127	100		
129	31.5	26.5	39.7
65	37.8	26.6	39.8
92	25.3	16.1	24.1

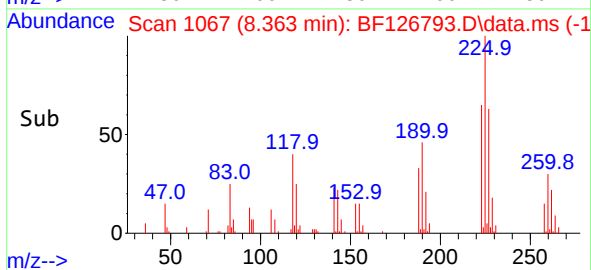
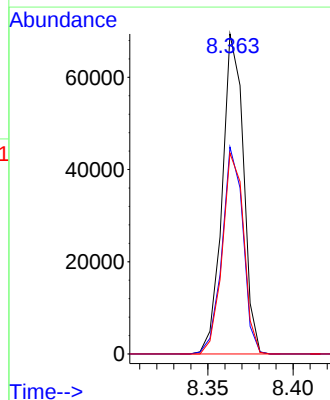
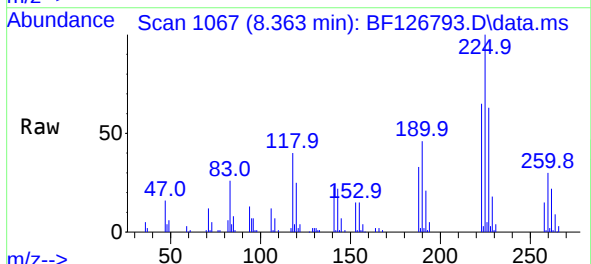
Manual Integrations
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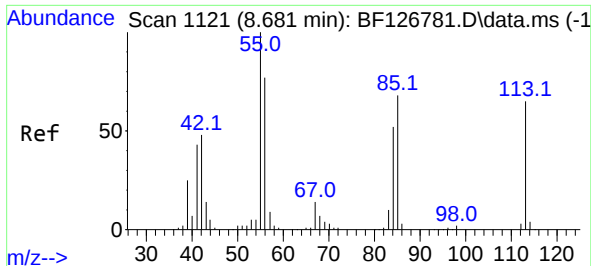
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#34
Hexachlorobutadiene
Concen: 10.079 ng
RT: 8.363 min Scan# 1067
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

Tgt Ion:	225	Resp:	59951
Ion Ratio	Lower	Upper	
225	100		
223	64.7	48.6	73.0
227	62.8	51.4	77.0





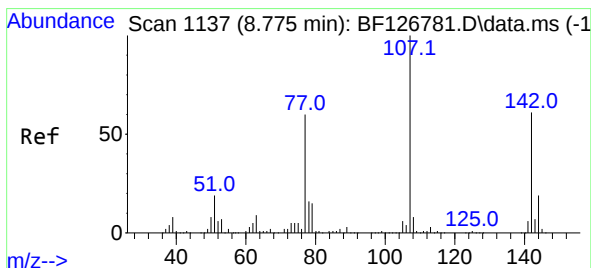
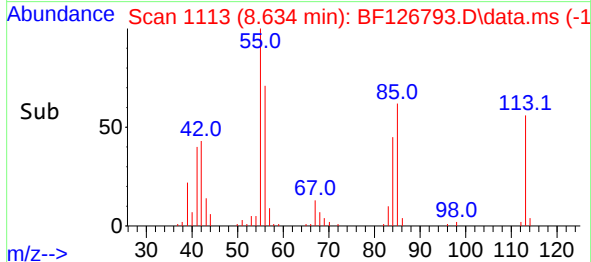
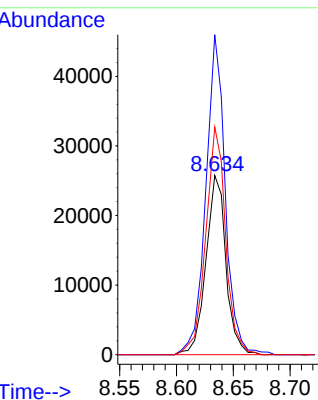
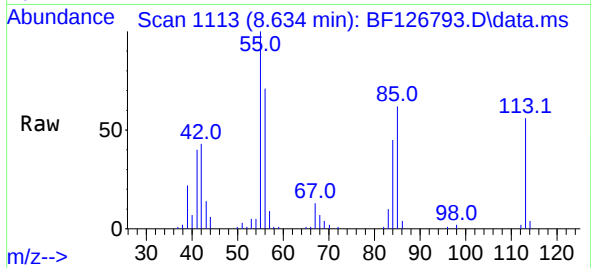
#35
Caprolactam
Concen: 9.826 ng
RT: 8.634 min Scan# 1113
Delta R.T. -0.047 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:113 Resp: 31550
Ion Ratio Lower Upper
113 100
55 178.5 183.9 223.9
56 127.0 129.9 169.9

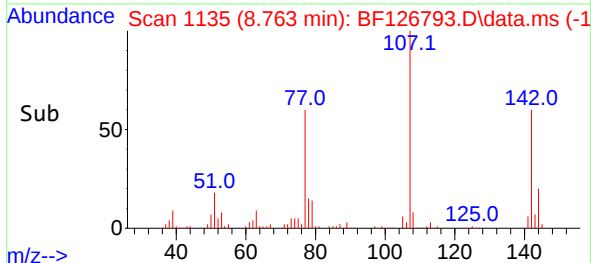
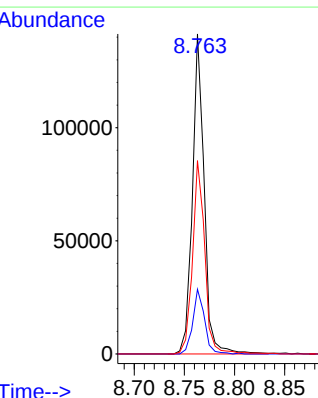
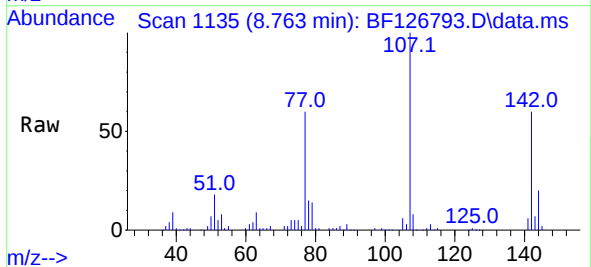
Manual Integrations
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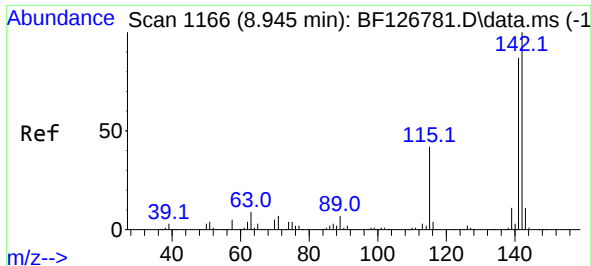
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#36
4-Chloro-3-methylphenol
Concen: 10.315 ng
RT: 8.763 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

Tgt Ion:107 Resp: 116024
Ion Ratio Lower Upper
107 100
144 20.2 18.5 27.7
142 60.4 58.1 87.1





#37

2-Methylnaphthalene

Concen: 11.811 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion:142 Resp: 220852

Ion Ratio Lower Upper

142 100

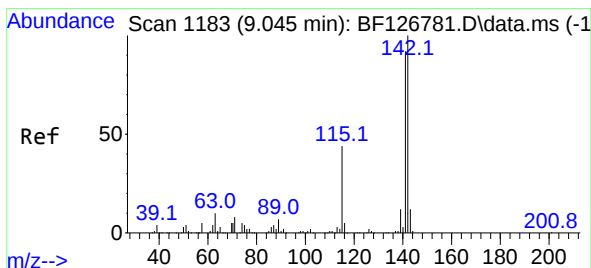
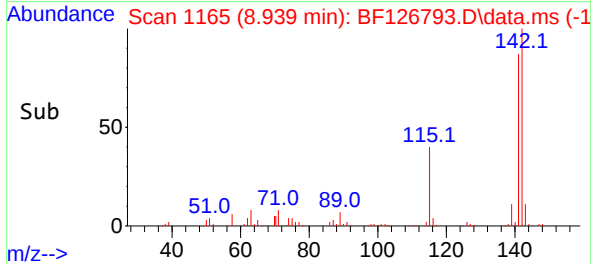
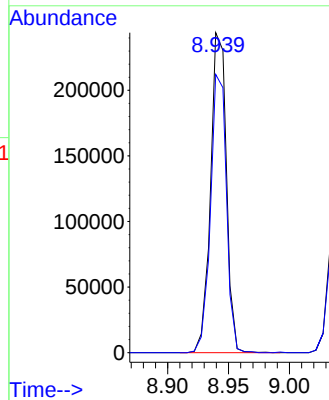
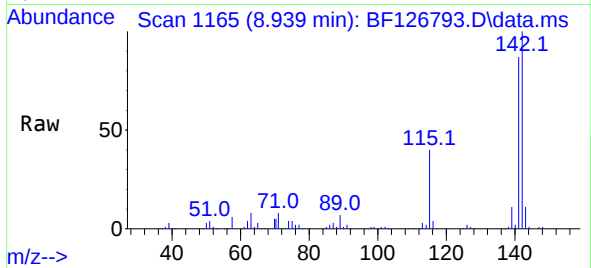
141 86.9 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2022

Supervised By :mohammad ahmed 02/10/2022



#38

1-Methylnaphthalene

Concen: 11.288 ng

RT: 9.039 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF126793.D

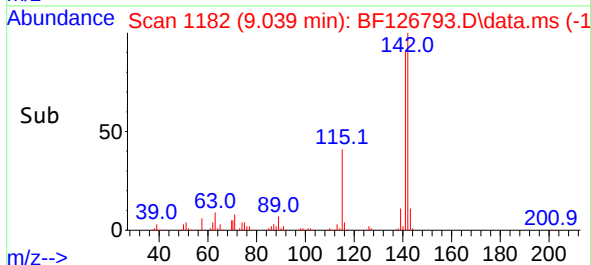
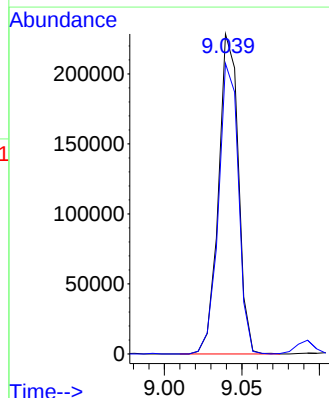
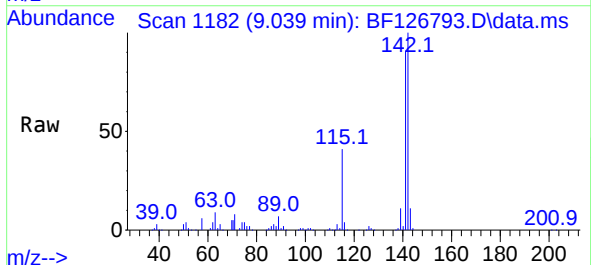
Acq: 03 Feb 2022 12:19

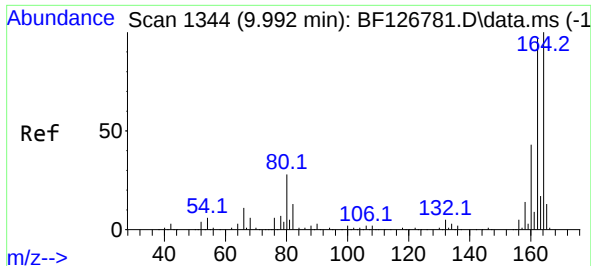
Tgt Ion:142 Resp: 203188

Ion Ratio Lower Upper

142 100

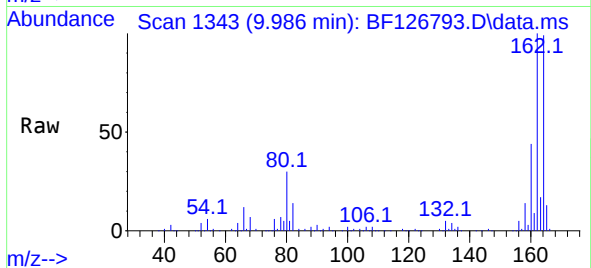
141 90.8 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

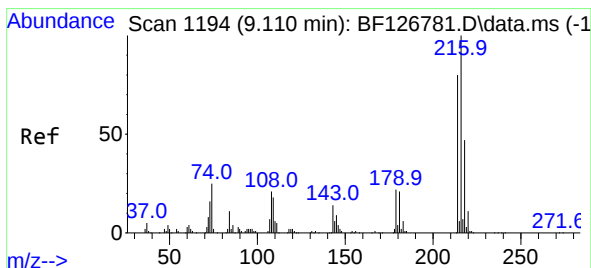
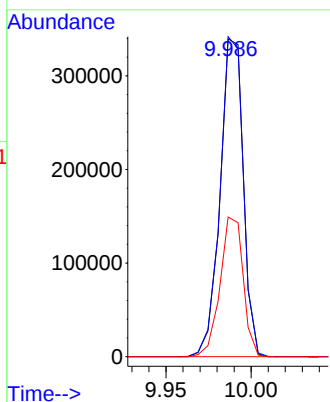
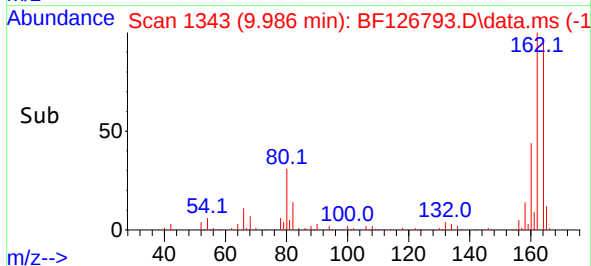
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



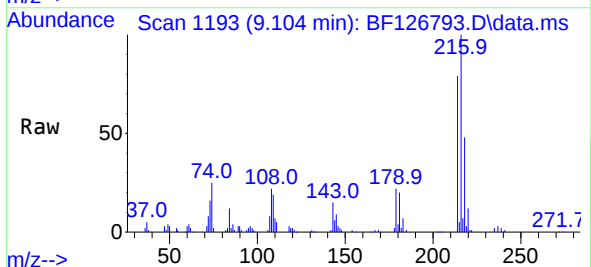
Tgt Ion:164 Resp: 320898
Ion Ratio Lower Upper
164 100
162 100.7 81.4 122.0
160 44.0 36.6 54.8

Manual Integrations
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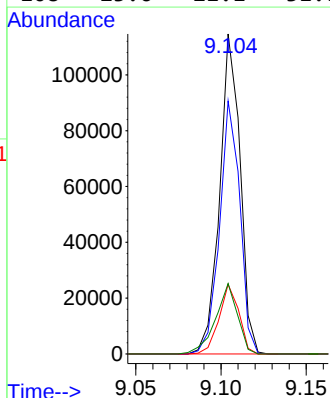
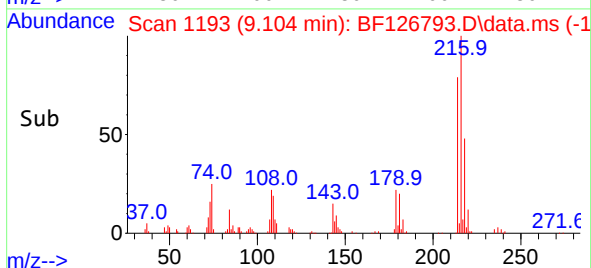
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

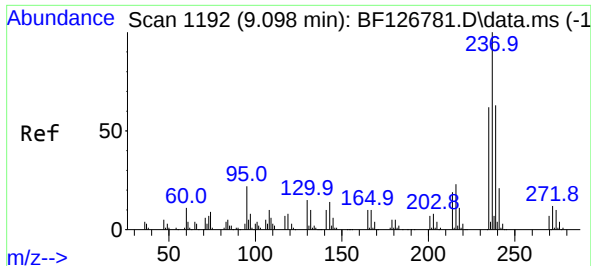


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.356 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



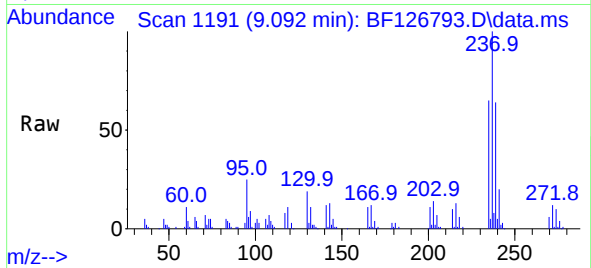
Tgt Ion:216 Resp: 95681
Ion Ratio Lower Upper
216 100
214 78.2 64.6 96.8
179 21.1 19.5 29.3
108 23.6 21.1 31.7





#41
Hexachlorocyclopentadiene
Concen: 11.649 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

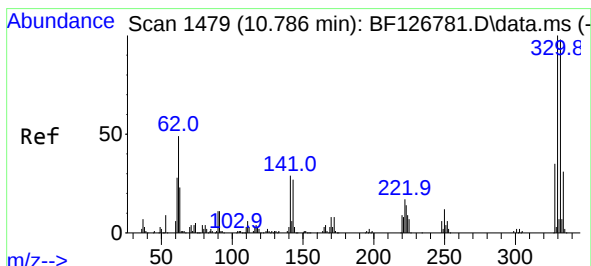
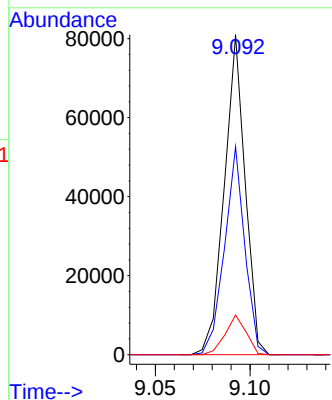
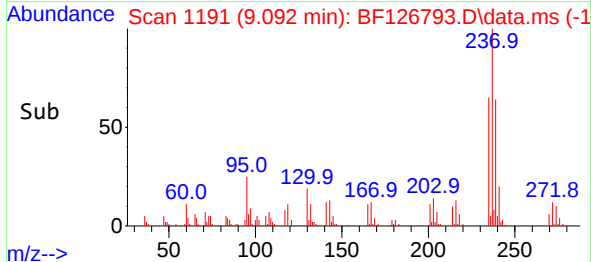
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



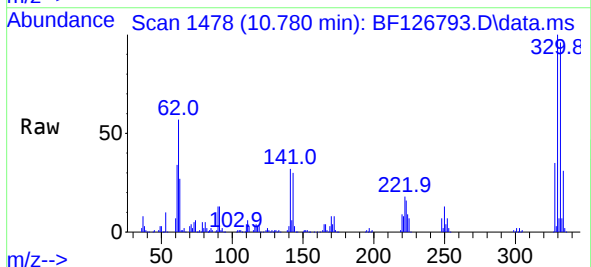
Tgt Ion:237 Resp: 62038
Ion Ratio Lower Upper
237 100
235 65.0 38.9 78.9
272 12.4 0.0 33.5

Manual Integrations
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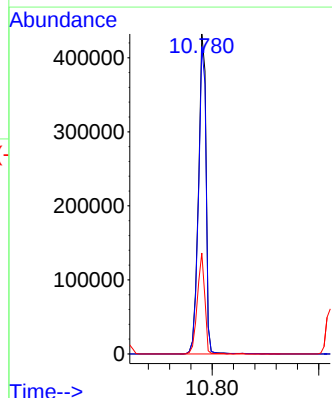
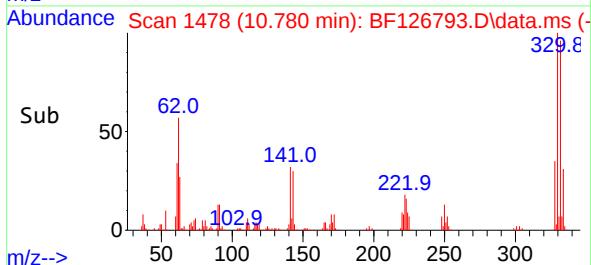
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

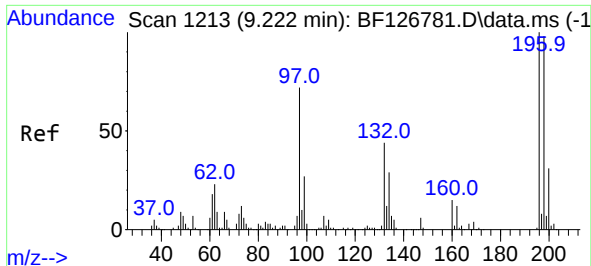


#42
2,4,6-Tribromophenol
Concen: 127.848 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



Tgt Ion:330 Resp: 425785
Ion Ratio Lower Upper
330 100
332 95.4 76.0 114.0
141 30.9 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 10.240 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion:196 Resp: 6665

Ion Ratio Lower Upper

196 100

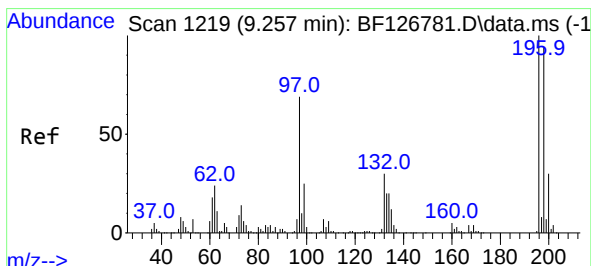
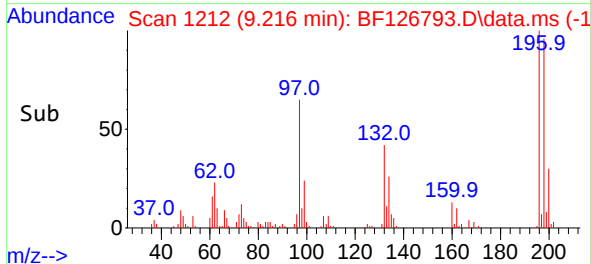
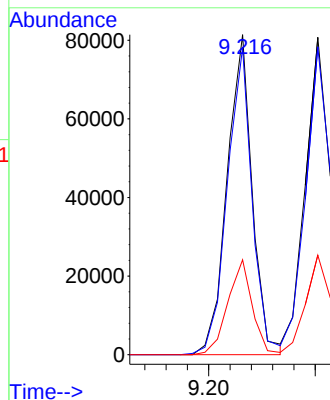
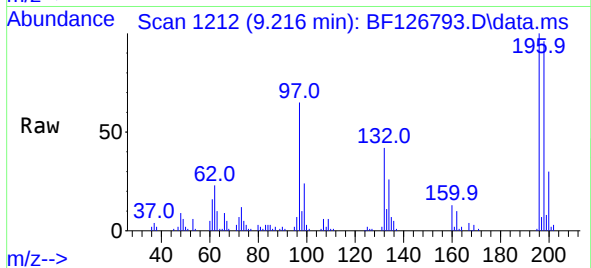
198 96.0 78.5 117.7

200 29.7 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#44

2,4,5-Trichlorophenol

Concen: 10.115 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

Tgt Ion:196 Resp: 68733

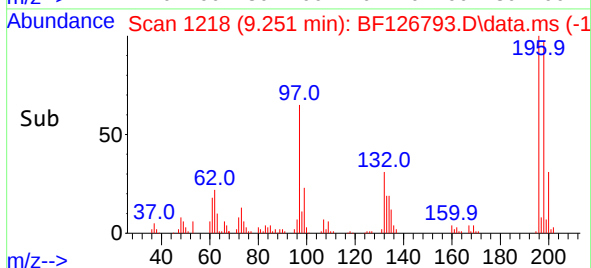
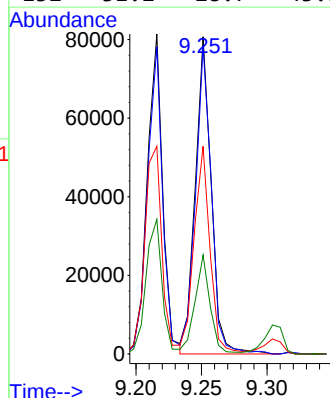
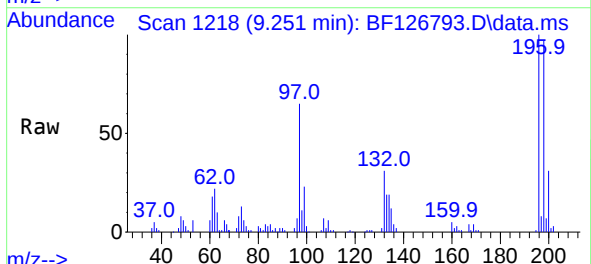
Ion Ratio Lower Upper

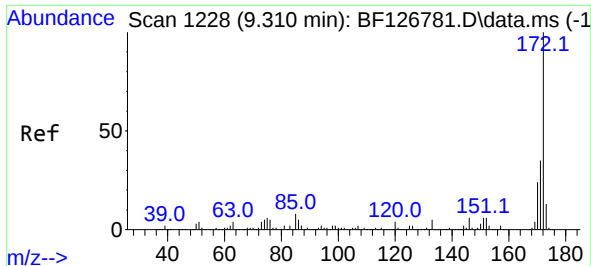
196 100

198 97.0 82.0 123.0

97 65.5 53.5 80.3

132 31.2 28.7 43.1





#45

2-Fluorobiphenyl

Concen: 78.287 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion:172 Resp: 151719

Ion Ratio Lower Upper

172 100

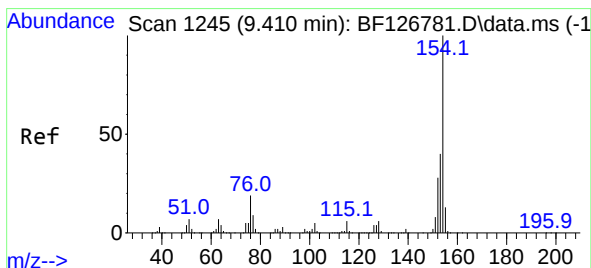
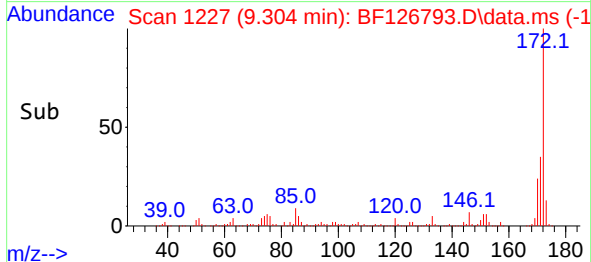
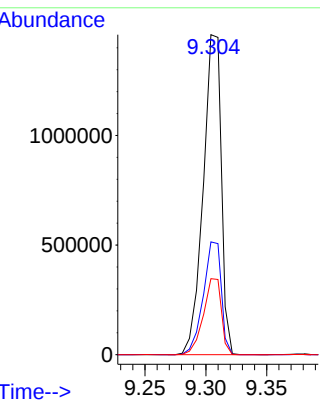
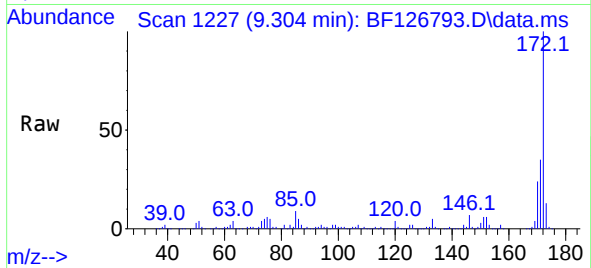
171 35.2 28.3 42.5

170 23.7 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#46

1,1'-Biphenyl

Concen: 10.724 ng

RT: 9.404 min Scan# 1244

Delta R.T. -0.006 min

Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

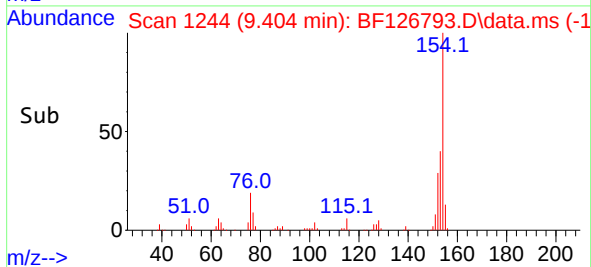
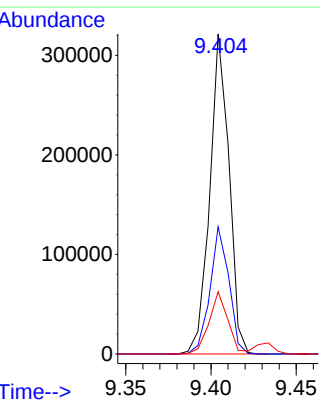
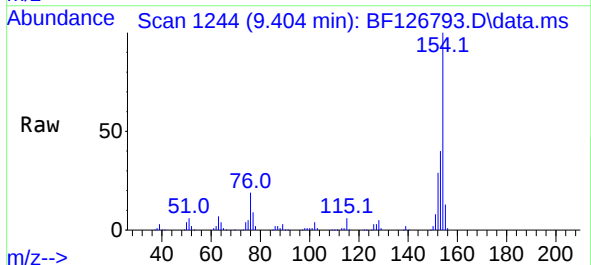
Tgt Ion:154 Resp: 252040

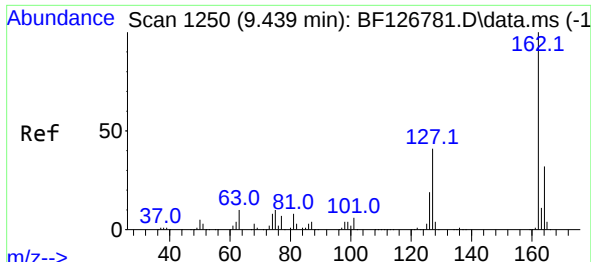
Ion Ratio Lower Upper

154 100

153 39.7 19.0 59.0

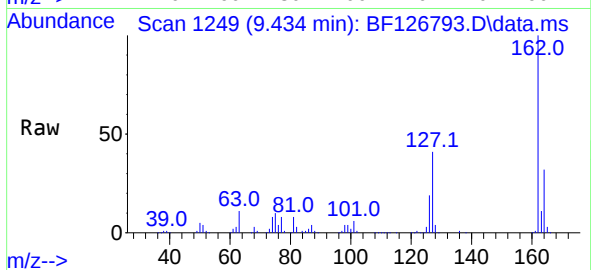
76 19.5 0.0 34.5





#47
2-Chloronaphthalene
Concen: 11.098 ng
RT: 9.434 min Scan# 1249
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

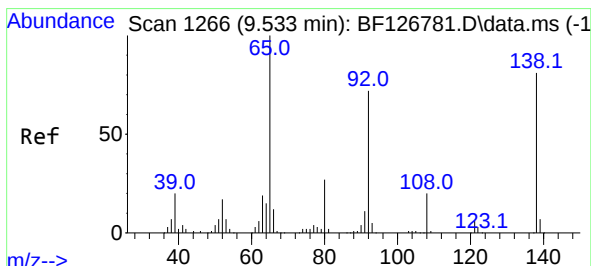
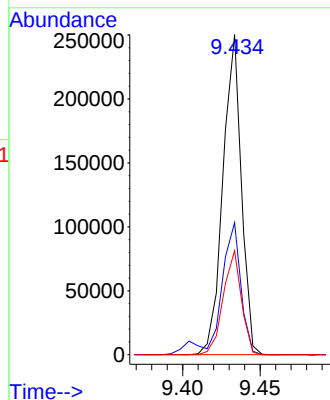
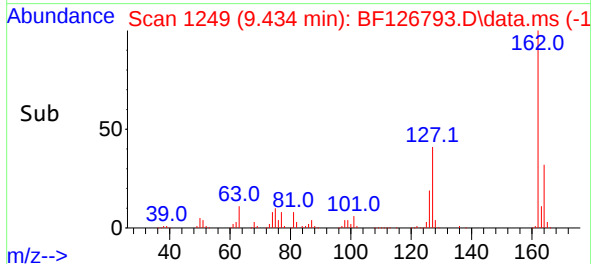
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:162 Resp: 20676
Ion Ratio Lower Upper
162 100
127 41.3 33.5 50.3
164 32.5 26.2 39.4

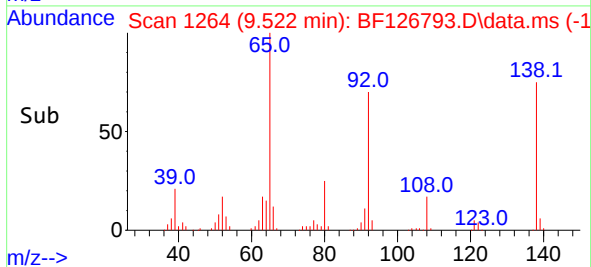
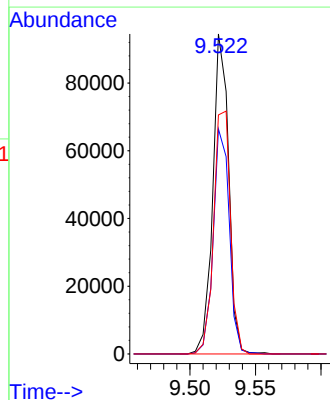
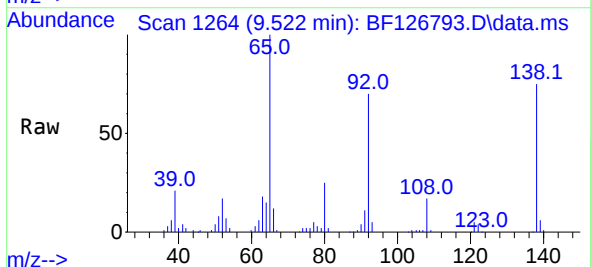
Manual Integrations
APPROVED

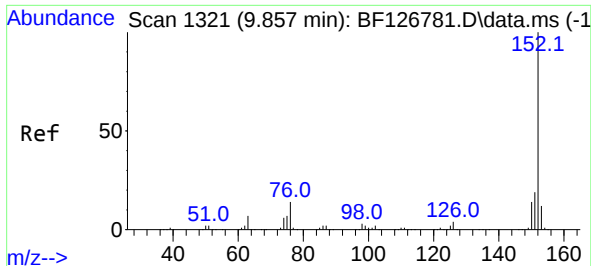
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#48
2-Nitroaniline
Concen: 10.441 ng
RT: 9.522 min Scan# 1264
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

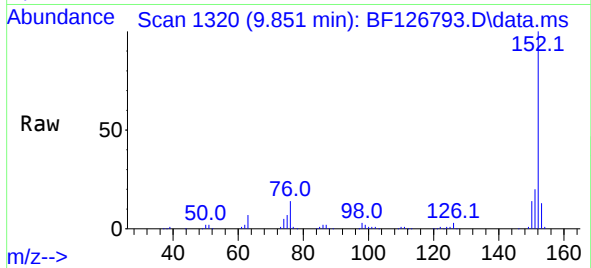
Tgt Ion: 65 Resp: 79310
Ion Ratio Lower Upper
65 100
92 70.3 54.4 81.6
138 74.7 72.5 108.7





#49
Acenaphthylene
Concen: 11.444 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

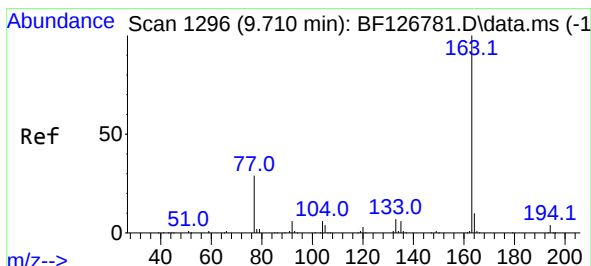
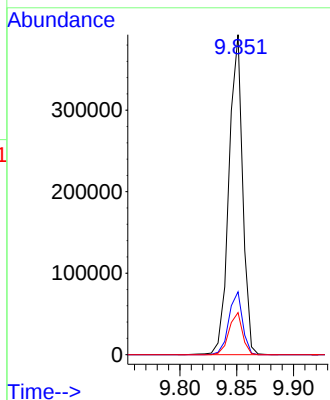
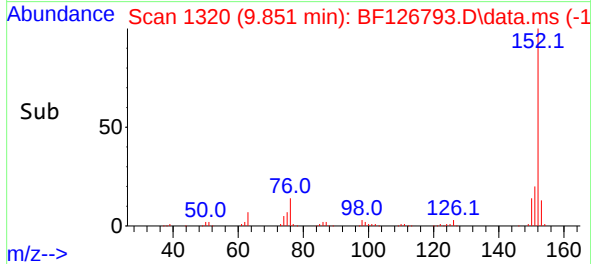
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



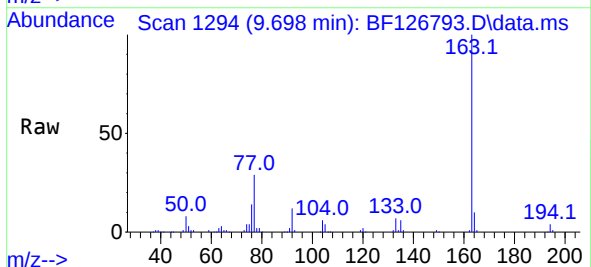
Tgt Ion:152 Resp: 329192
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.1 11.4 17.0

Manual Integrations
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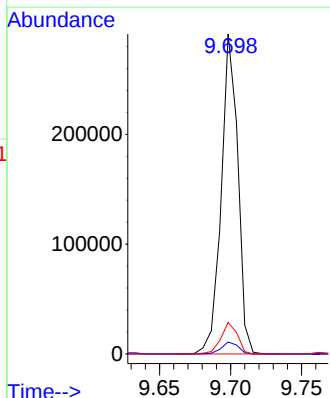
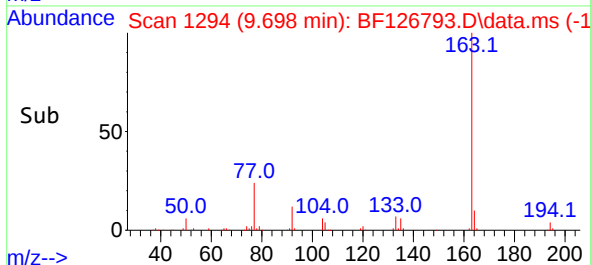
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

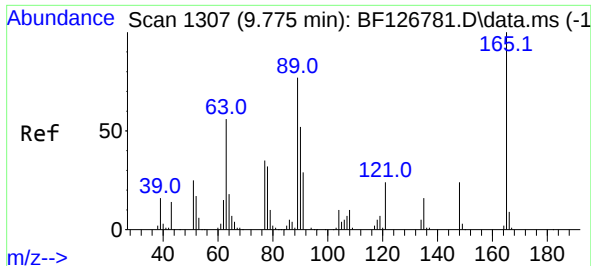


#50
Dimethylphthalate
Concen: 10.659 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



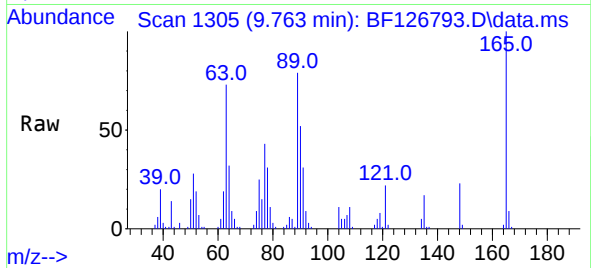
Tgt Ion:163 Resp: 236420
Ion Ratio Lower Upper
163 100
194 3.7 2.6 3.8
164 9.8 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 10.944 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

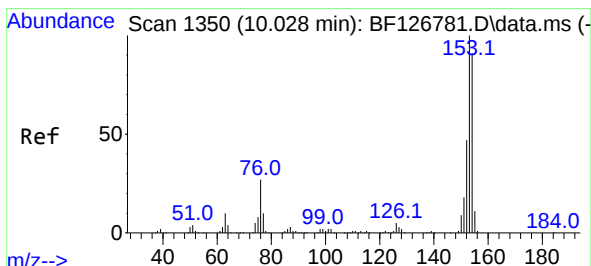
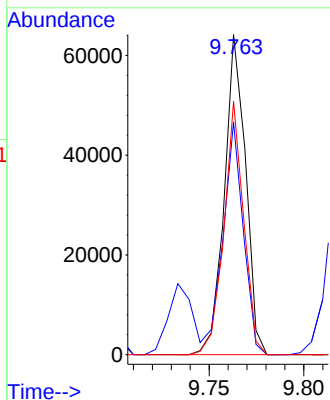
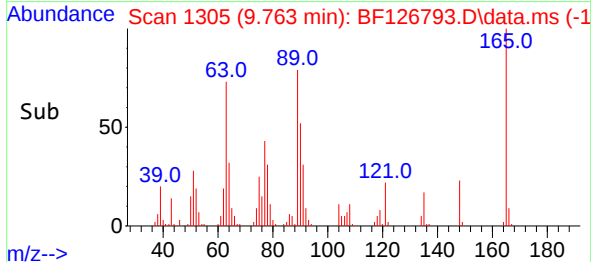
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



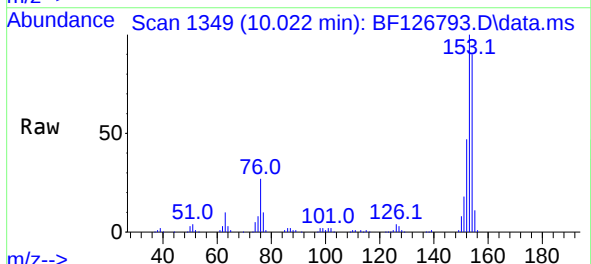
Tgt Ion:165 Resp: 4986
Ion Ratio Lower Upper
165 100
63 72.7 48.4 72.6
89 79.2 50.5 75.7

Manual Integrations
APPROVED

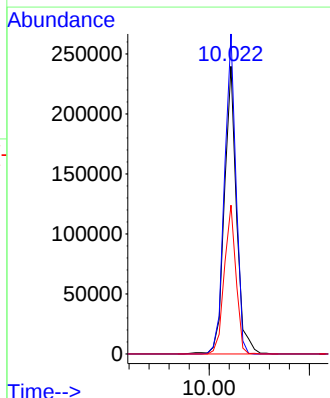
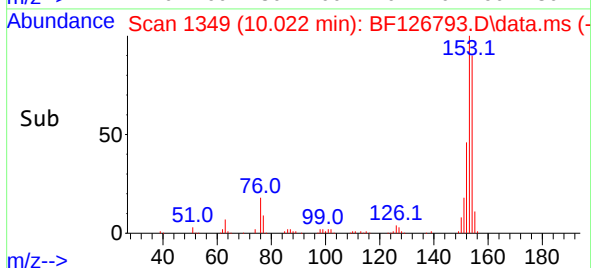
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

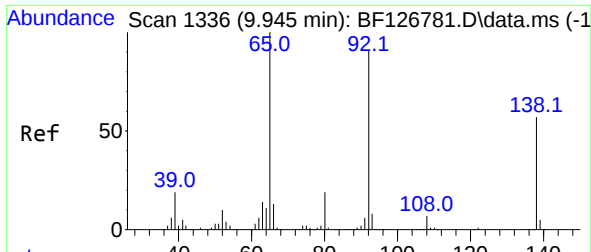


#52
Acenaphthene
Concen: 10.952 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



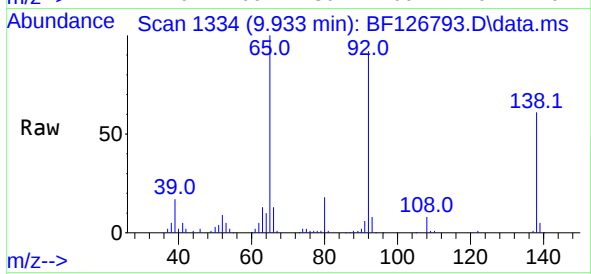
Tgt Ion:154 Resp: 200855
Ion Ratio Lower Upper
154 100
153 111.2 87.8 131.6
152 51.7 39.4 59.2





#53
3-Nitroaniline
Concen: 10.718 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

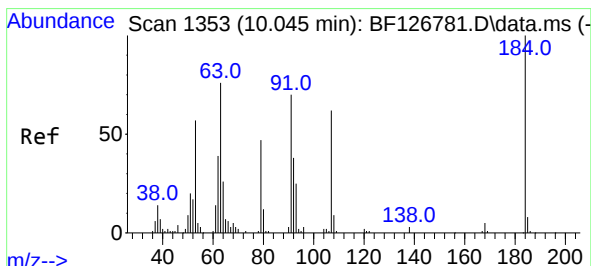
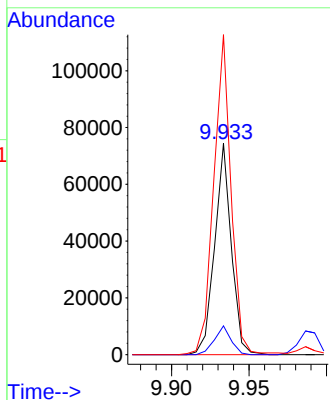
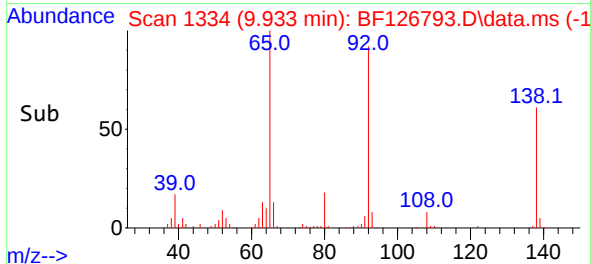
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:138 Resp: 5564
Ion Ratio Lower Upper
138 100
108 13.6 8.6 13.0
92 151.4 105.0 157.6

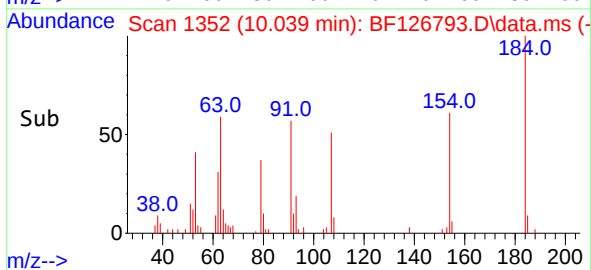
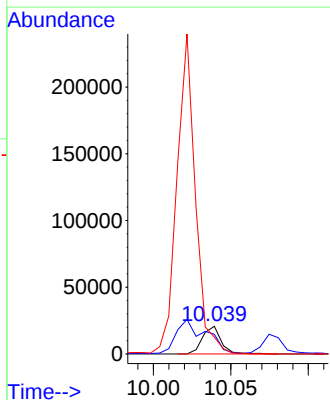
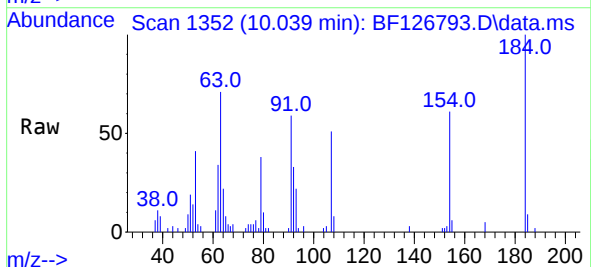
Manual Integrations
APPROVED

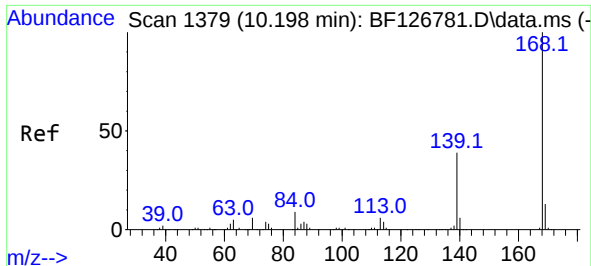
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#54
2,4-Dinitrophenol
Concen: 7.188 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

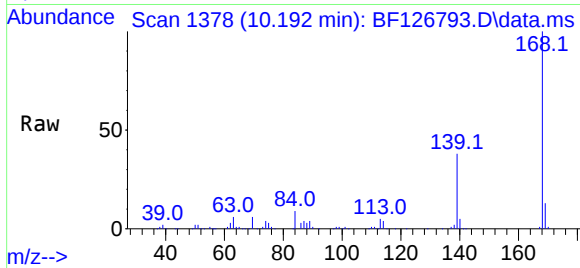
Tgt Ion:184 Resp: 17253
Ion Ratio Lower Upper
184 100
63 70.9 70.4 105.6
154 60.9 49.7 74.5





#55
Dibenzenofuran
Concen: 10.882 ng
RT: 10.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

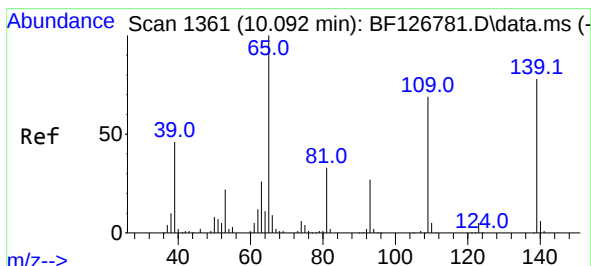
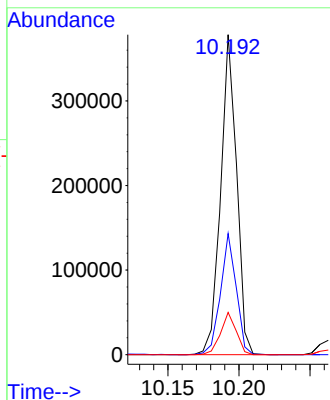
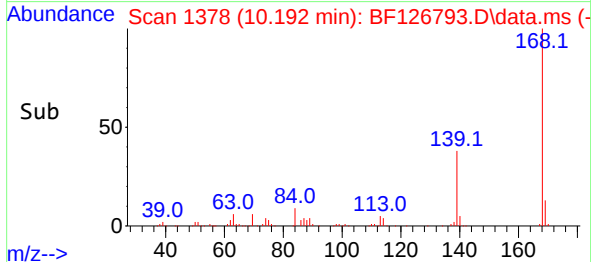
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



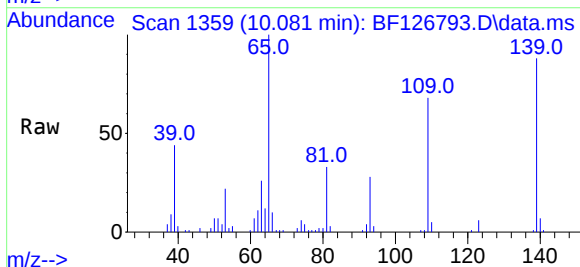
Tgt Ion:168 Resp: 294584
Ion Ratio Lower Upper
168 100
139 37.9 30.6 46.0
169 13.2 10.0 15.0

Manual Integrations
APPROVED

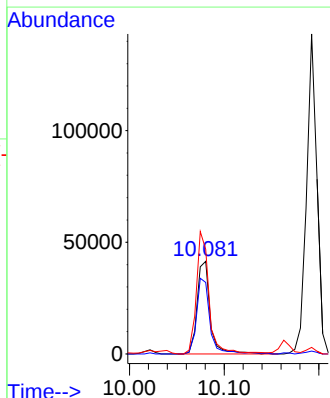
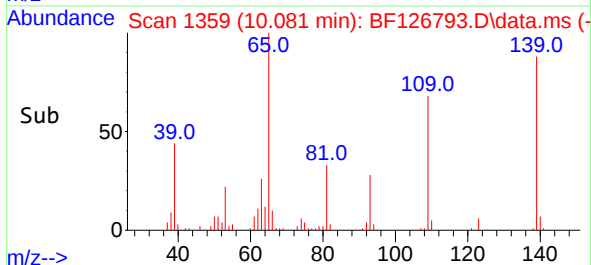
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

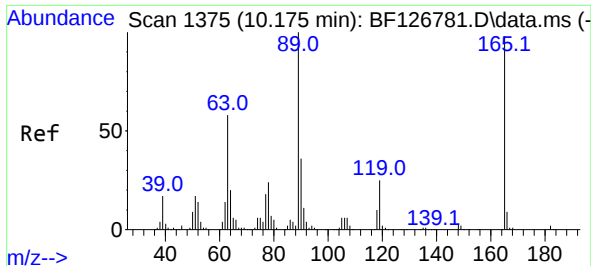


#56
4-Nitrophenol
Concen: 10.179 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



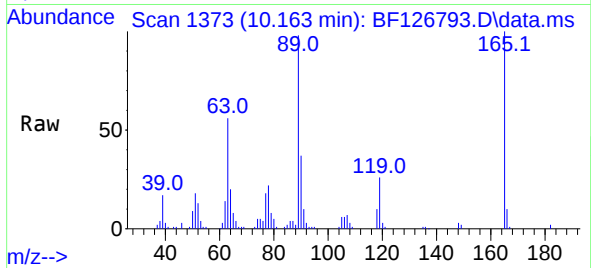
Tgt Ion:139 Resp: 40026
Ion Ratio Lower Upper
139 100
109 77.2 44.1 84.1
65 113.0 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 10.845 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

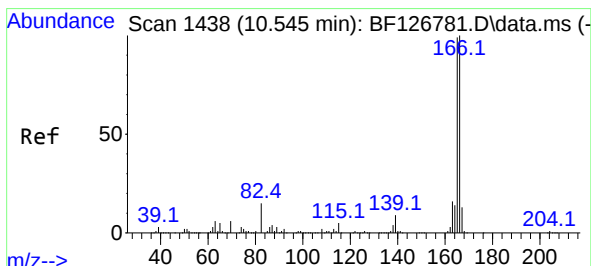
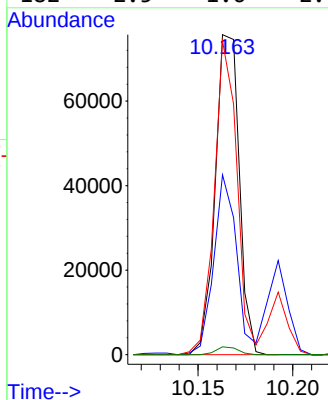
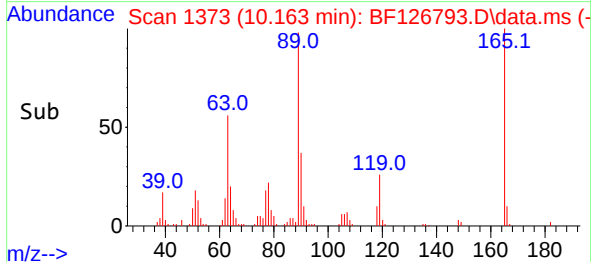
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:165 Resp: 66970
Ion Ratio Lower Upper
165 100
63 56.2 43.0 64.6
89 98.1 71.0 106.4
182 2.5 1.6 2.4#

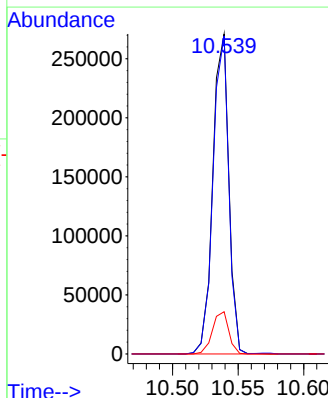
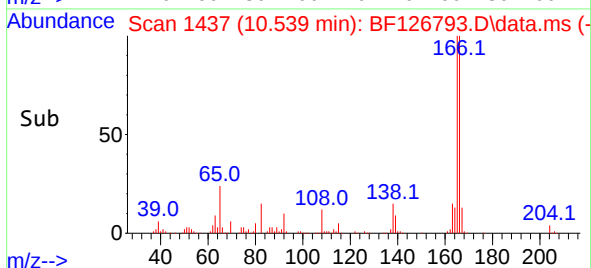
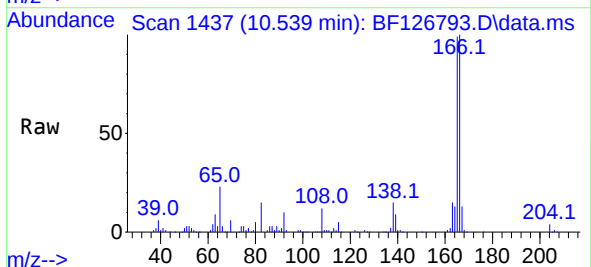
Manual Integrations
APPROVED

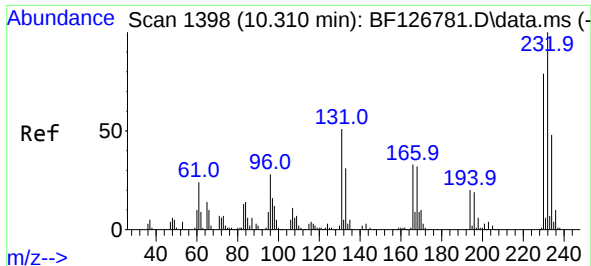
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#58
Fluorene
Concen: 11.472 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

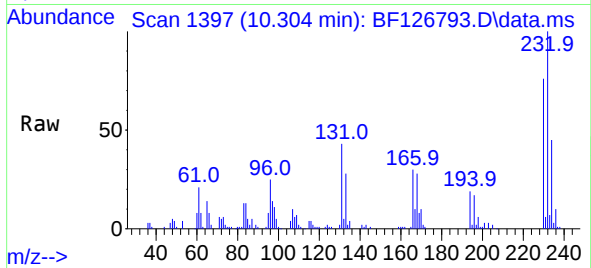
Tgt Ion:166 Resp: 229768
Ion Ratio Lower Upper
166 100
165 99.4 77.7 116.5
167 13.2 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 10.389 ng
RT: 10.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

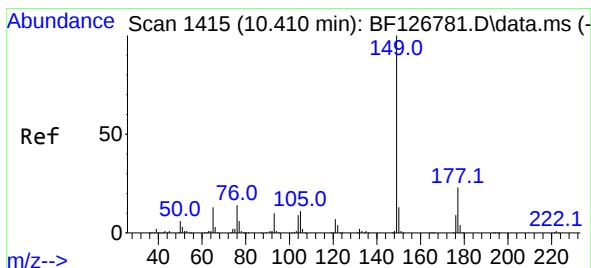
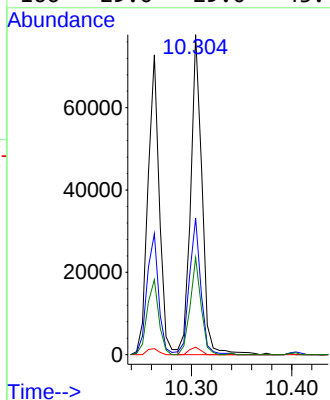
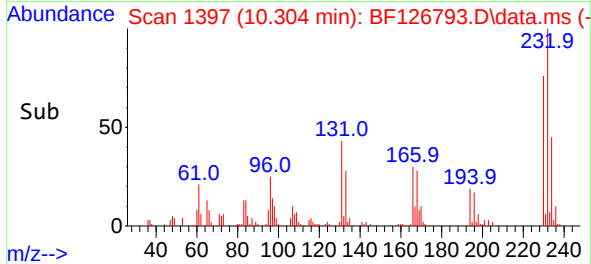
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



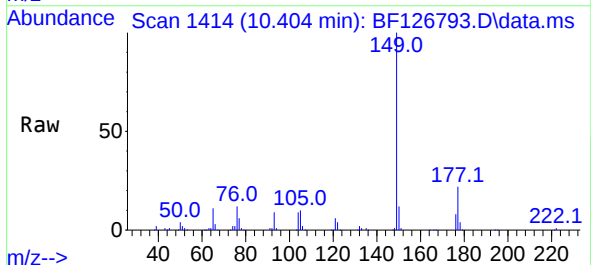
Tgt Ion:232 Resp: 61100
Ion Ratio Lower Upper
232 100
131 43.0 50.0 75.0
130 2.3 2.2 3.2
166 29.0 29.0 43.4

Manual Integrations
APPROVED

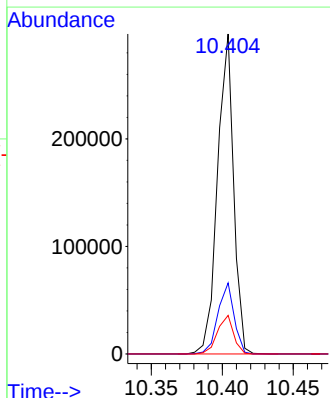
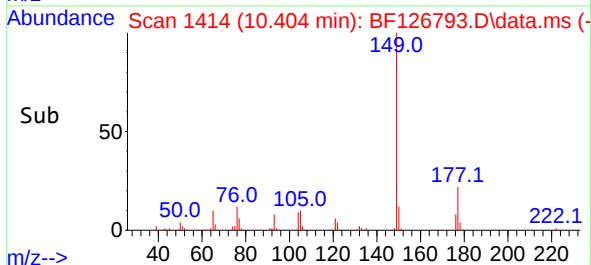
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

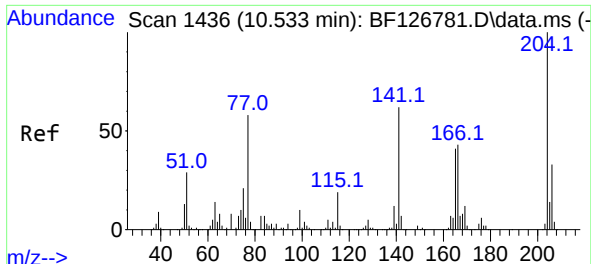


#60
Diethylphthalate
Concen: 10.742 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



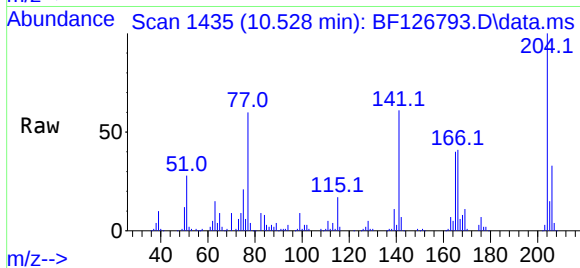
Tgt Ion:149 Resp: 234125
Ion Ratio Lower Upper
149 100
177 22.2 16.7 25.1
150 12.0 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 10.940 ng
RT: 10.528 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

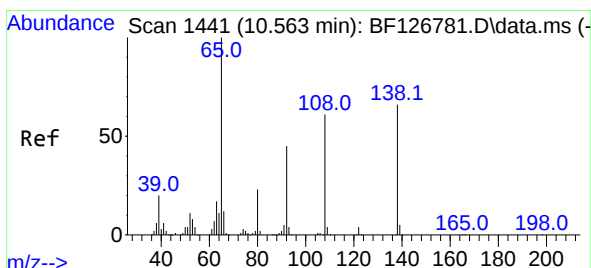
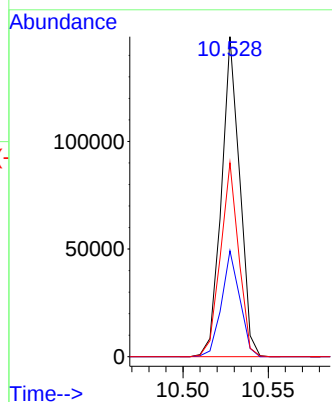
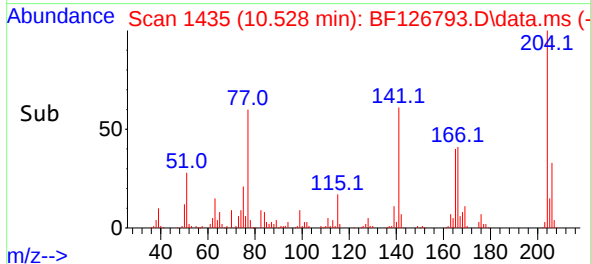
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



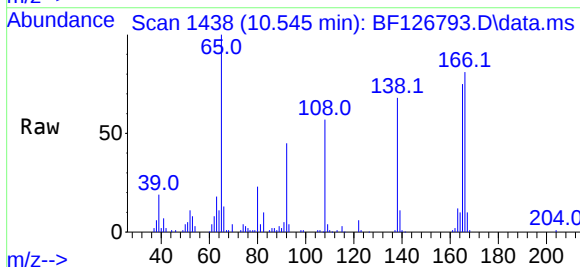
Tgt Ion:204 Resp: 110834
Ion Ratio Lower Upper
204 100
206 33.1 26.3 39.5
141 60.6 59.0 88.6

Manual Integrations
APPROVED

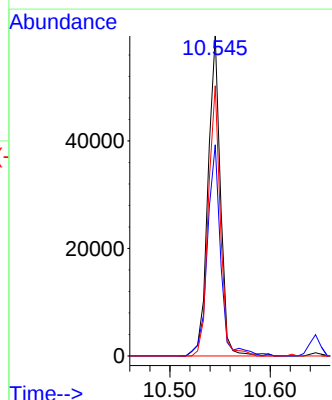
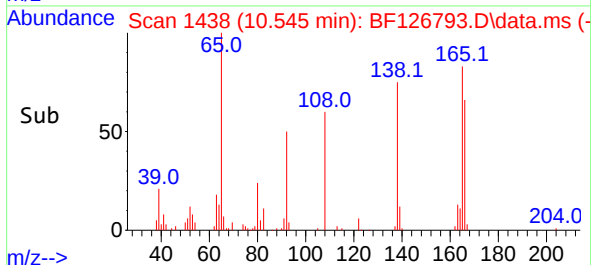
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

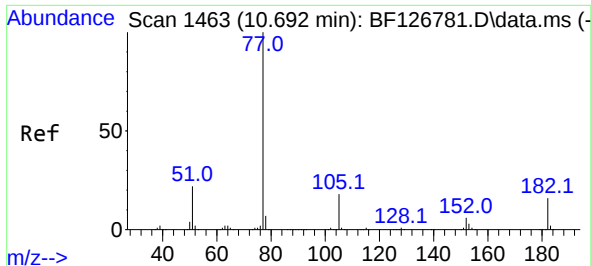


#62
4-Nitroaniline
Concen: 10.437 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.018 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



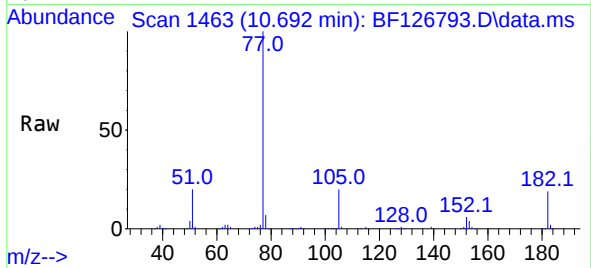
Tgt Ion:138 Resp: 51421
Ion Ratio Lower Upper
138 100
92 66.0 36.2 76.2
108 84.4 46.7 86.7





#63
Azobenzene
Concen: 10.932 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

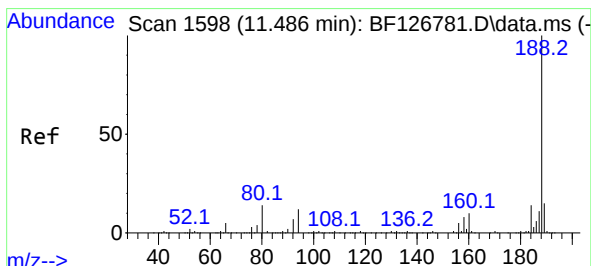
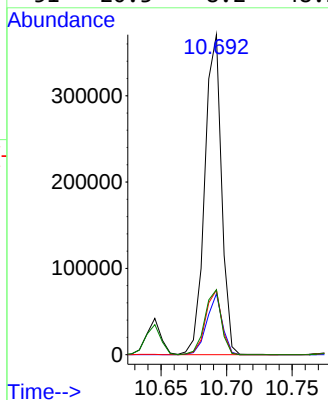
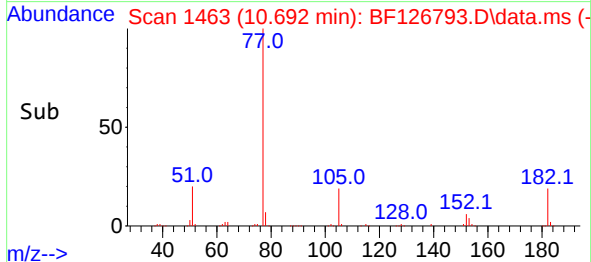
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



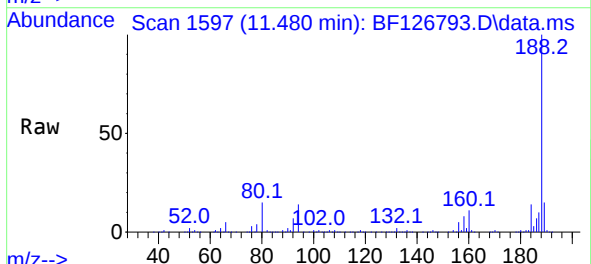
Tgt Ion: 77 Resp: 330592
Ion Ratio Lower Upper
77 100
182 19.1 0.0 39.0
105 20.2 3.2 43.2
51 20.3 8.2 48.2

Manual Integrations
APPROVED

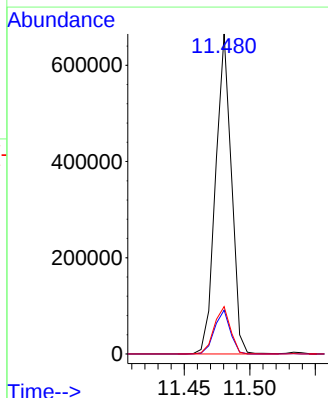
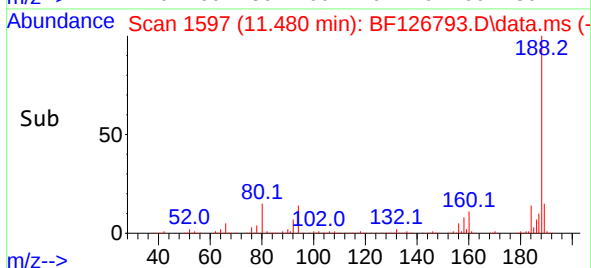
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

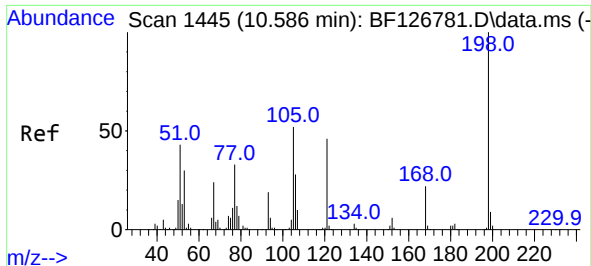


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



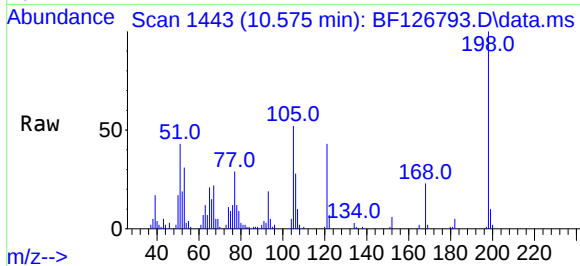
Tgt Ion:188 Resp: 555774
Ion Ratio Lower Upper
188 100
94 13.7 10.1 15.1
80 14.8 11.8 17.6





#65
4,6-Dinitro-2-methylphenol
Concen: 8.280 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

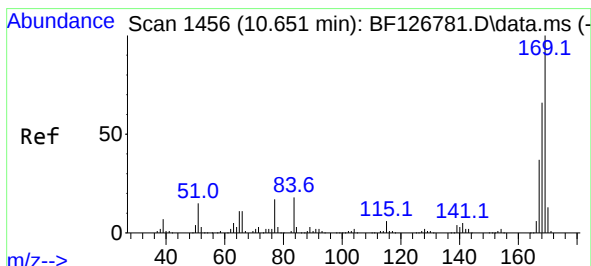
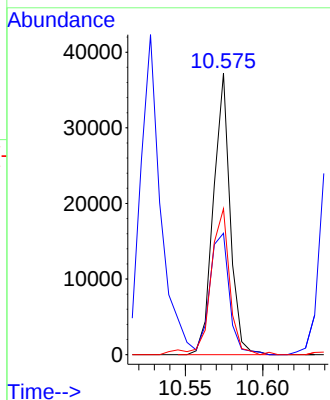
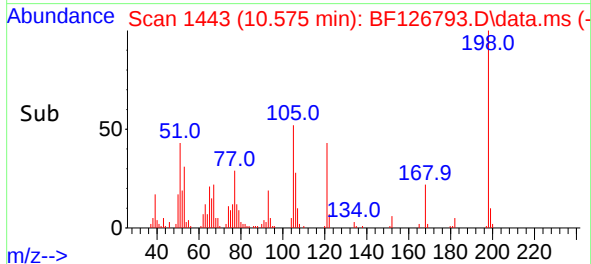
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



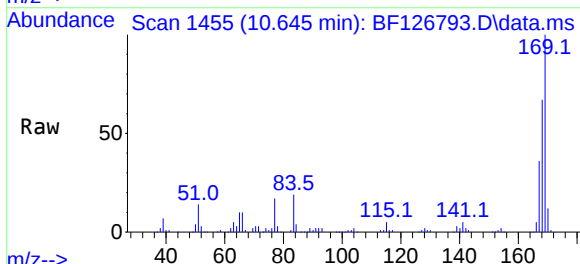
Tgt Ion:198 Resp: 27915
Ion Ratio Lower Upper
198 100
51 43.1 32.0 72.0
105 51.9 32.7 72.7

Manual Integrations
APPROVED

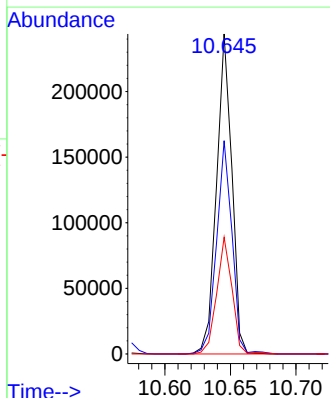
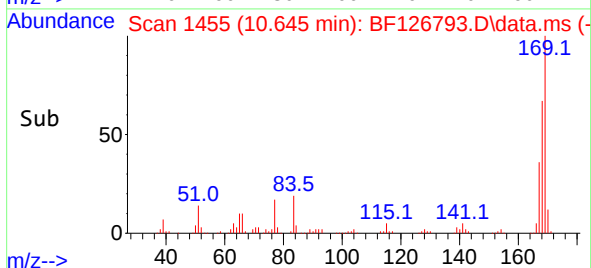
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

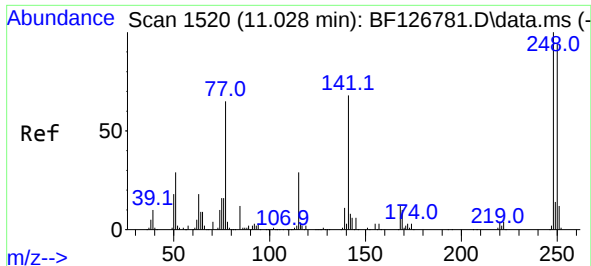


#66
n-Nitrosodiphenylamine
Concen: 11.047 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



Tgt Ion:169 Resp: 197431
Ion Ratio Lower Upper
169 100
168 66.6 53.4 80.0
167 36.5 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 10.611 ng

RT: 11.022 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

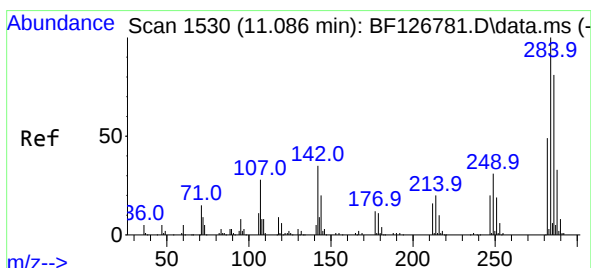
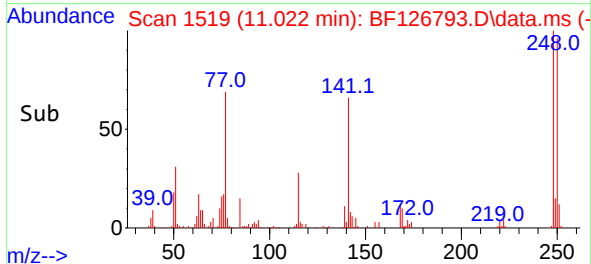
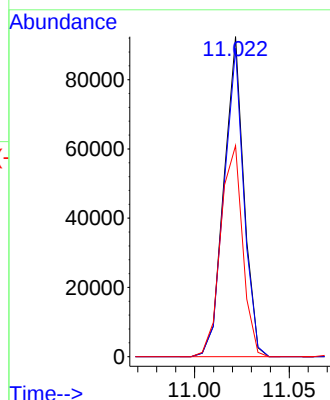
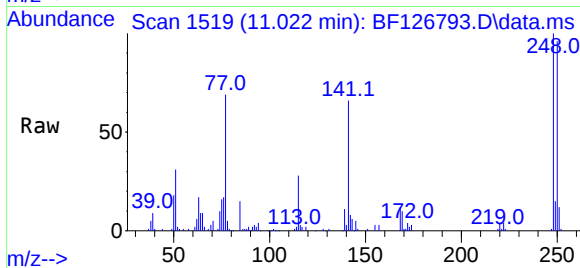
Tgt Ion:248 Resp: 6750

Ion	Ratio	Lower	Upper
248	100		
250	96.3	76.2	114.4
141	66.0	66.2	99.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#68

Hexachlorobenzene

Concen: 10.461 ng

RT: 11.080 min Scan# 1529

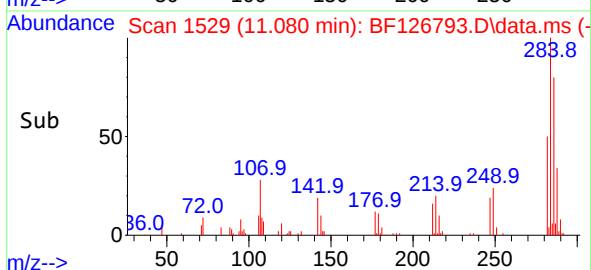
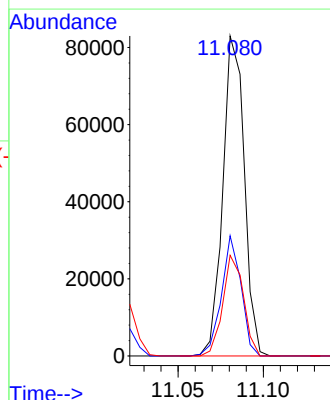
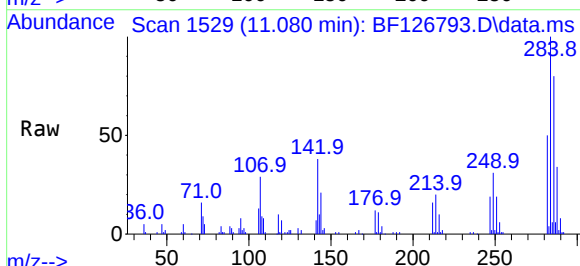
Delta R.T. -0.006 min

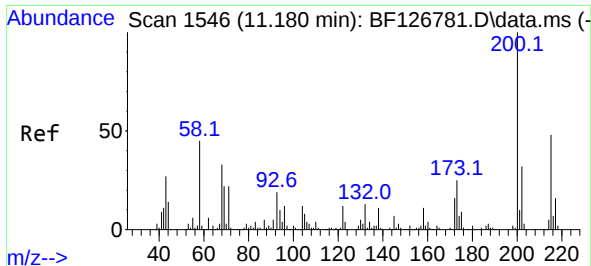
Lab File: BF126793.D

Acq: 03 Feb 2022 12:19

Tgt Ion:284 Resp: 72816

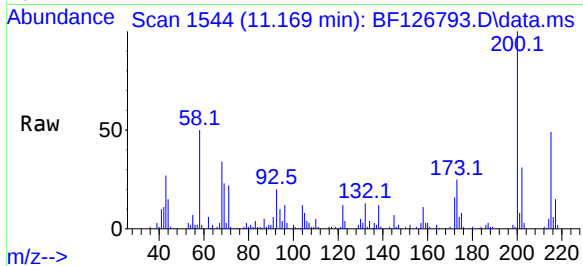
Ion	Ratio	Lower	Upper
284	100		
142	37.6	30.7	46.1
249	31.5	21.1	31.7





#69
Atrazine
Concen: 10.877 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

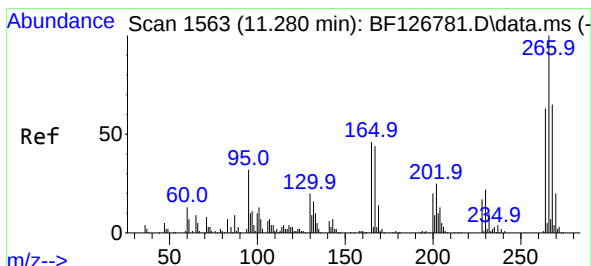
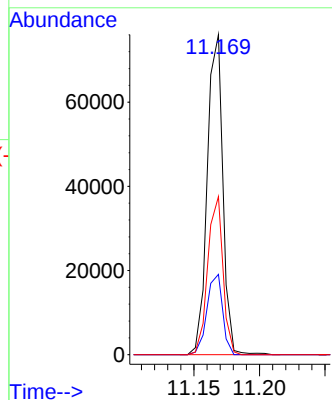
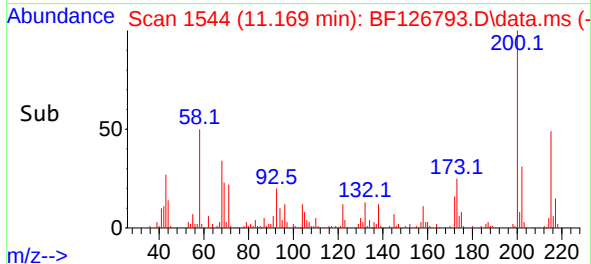
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



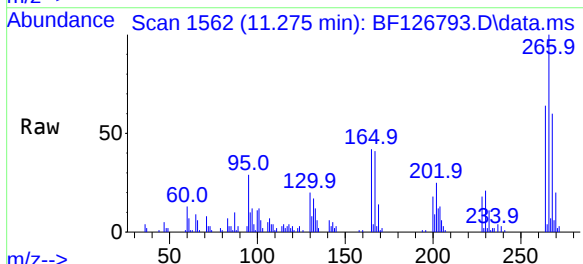
Tgt Ion:200 Resp: 63079
Ion Ratio Lower Upper
200 100
173 25.1 9.2 49.2
215 49.4 23.2 63.2

Manual Integrations
APPROVED

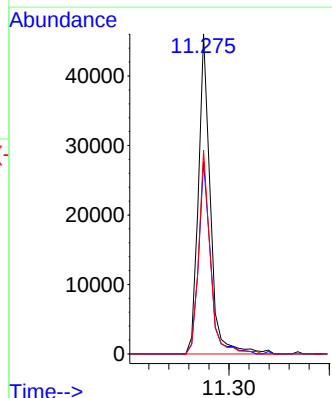
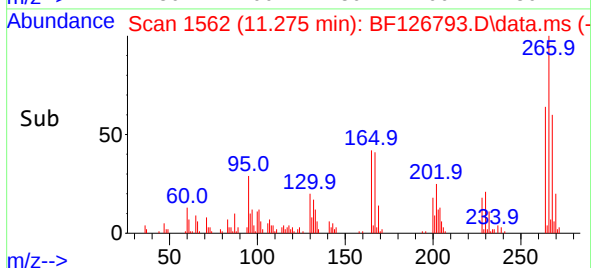
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

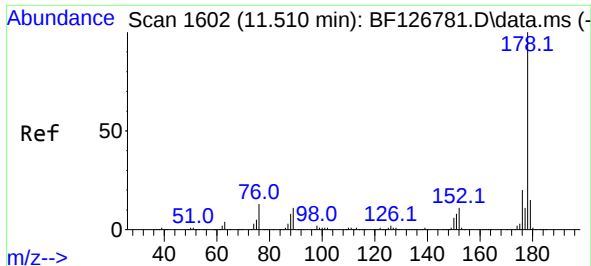


#70
Pentachlorophenol
Concen: 9.398 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



Tgt Ion:266 Resp: 38165
Ion Ratio Lower Upper
266 100
268 60.2 52.3 78.5
264 63.7 50.4 75.6





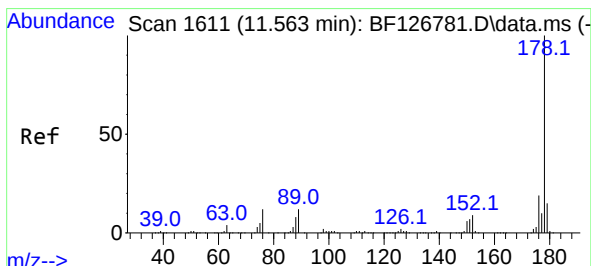
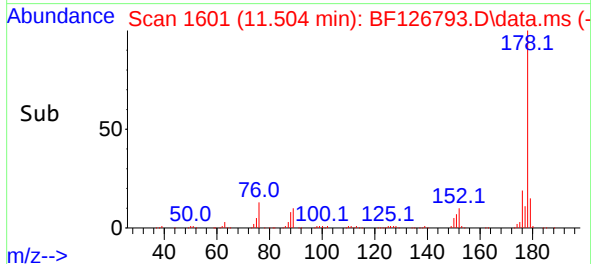
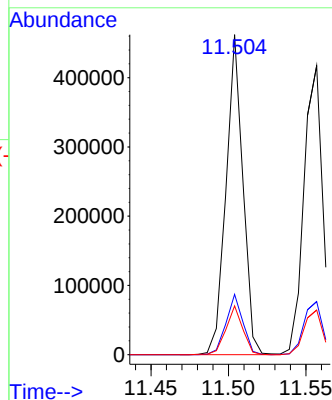
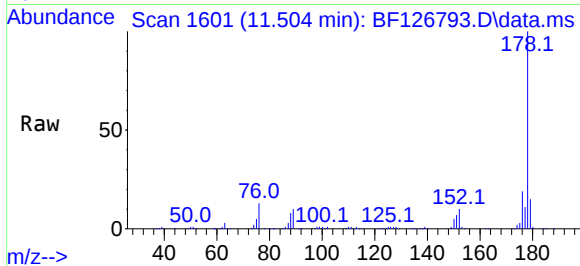
#71
Phenanthrene
Concen: 11.371 ng
RT: 11.504 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:178 Resp: 350000
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.2 12.3 18.5

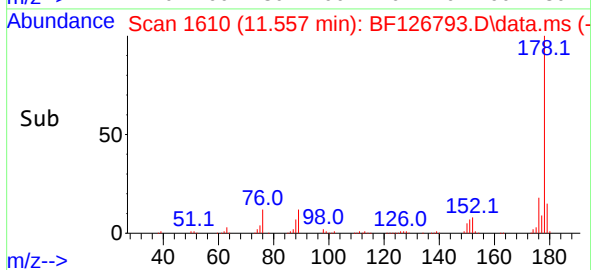
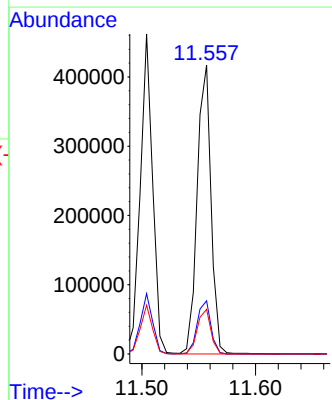
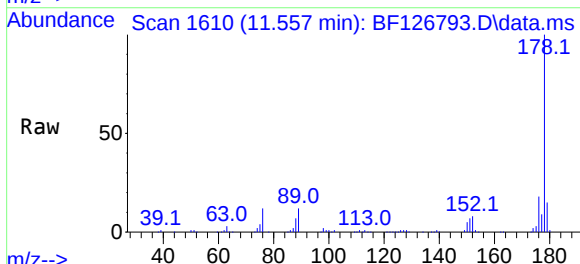
Manual Integrations
APPROVED

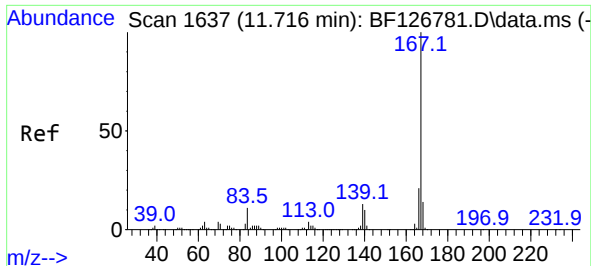
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#72
Anthracene
Concen: 11.484 ng
RT: 11.557 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

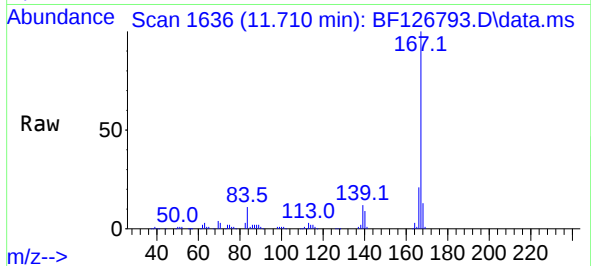
Tgt Ion:178 Resp: 354048
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.4 12.5 18.7





#73
 Carbazole
 Concen: 10.414 ng
 RT: 11.710 min Scan# 1636
 Delta R.T. -0.006 min
 Lab File: BF126793.D
 Acq: 03 Feb 2022 12:19

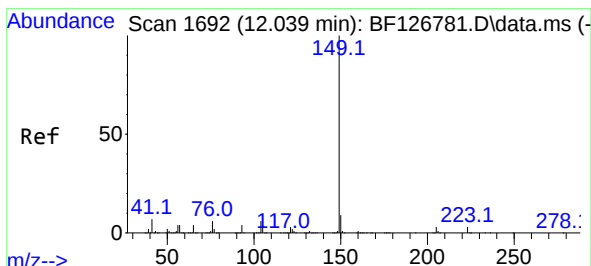
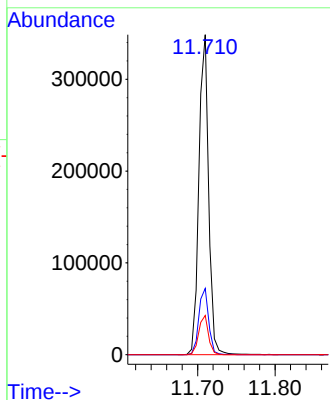
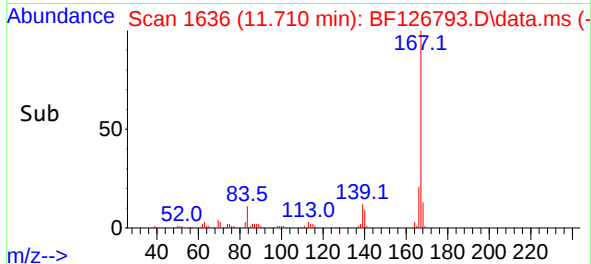
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



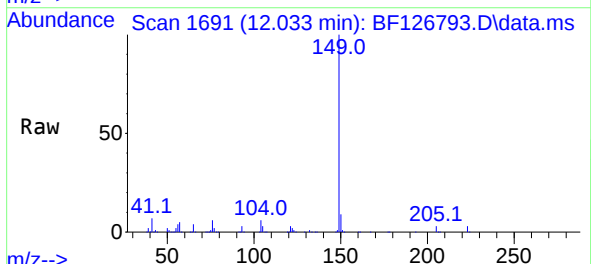
Tgt Ion:167 Resp: 302870
 Ion Ratio Lower Upper
 167 100
 166 20.7 16.9 25.3
 139 12.3 11.3 16.9

Manual Integrations
 APPROVED

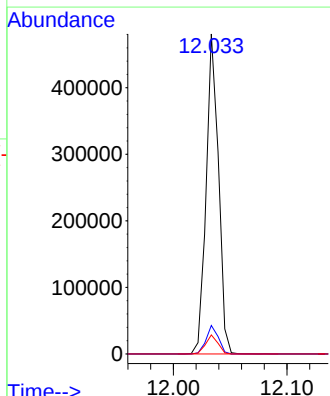
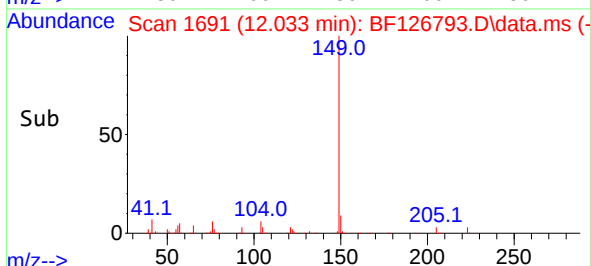
Reviewed By :Christian Giraldo 02/10/2022
 Supervised By :mohammad ahmed 02/10/2022

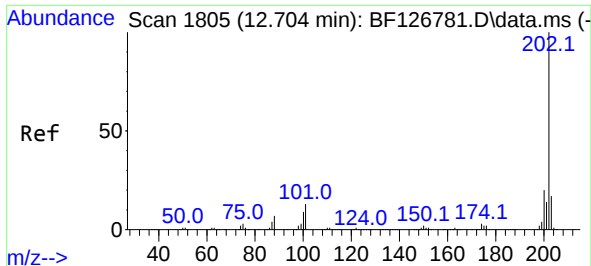


#74
 Di-n-butylphthalate
 Concen: 10.706 ng
 RT: 12.033 min Scan# 1691
 Delta R.T. -0.006 min
 Lab File: BF126793.D
 Acq: 03 Feb 2022 12:19



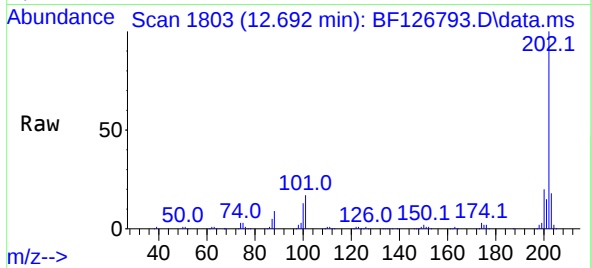
Tgt Ion:149 Resp: 361032
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.2 10.8
 104 6.0 4.2 6.2





#75
Fluoranthene
Concen: 10.924 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

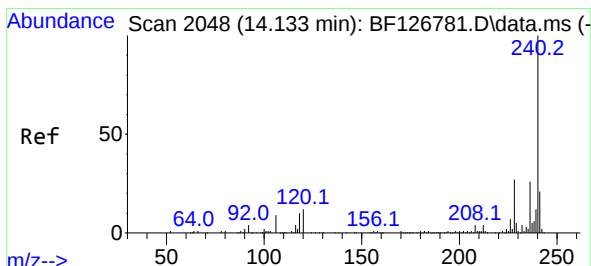
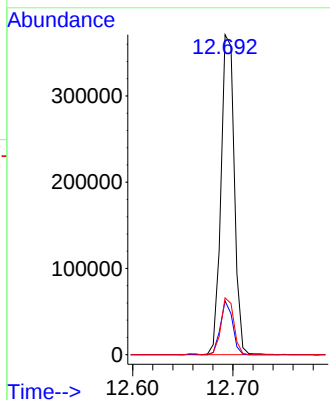
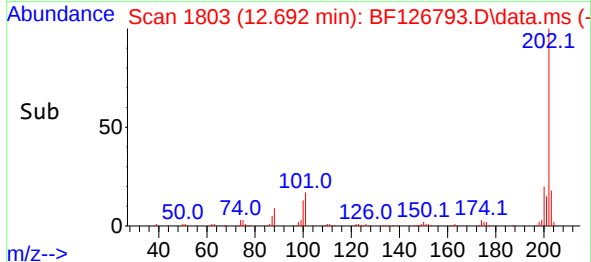
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:202 Resp: 34201
Ion Ratio Lower Upper
202 100
101 16.8 0.0 35.7
203 17.7 0.0 37.1

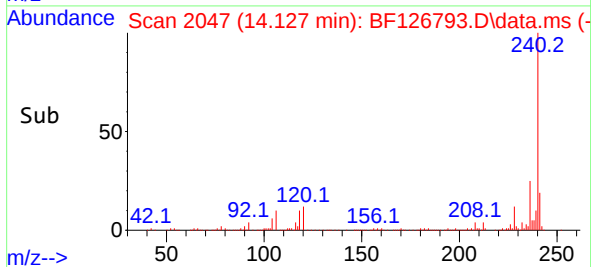
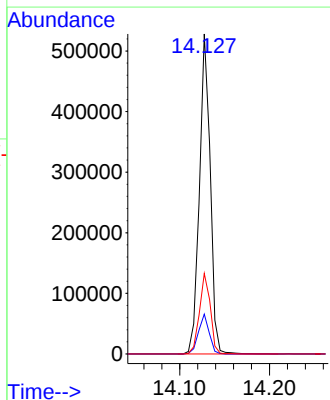
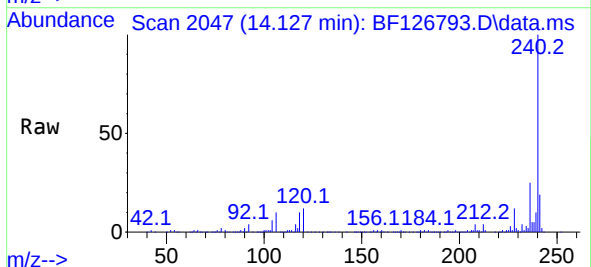
Manual Integrations
APPROVED

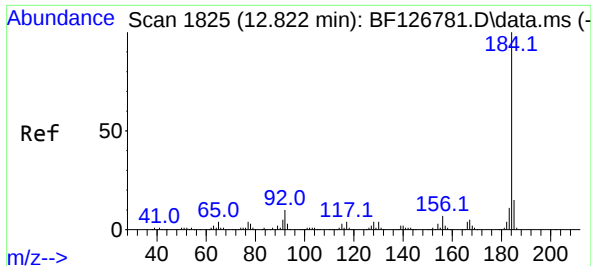
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

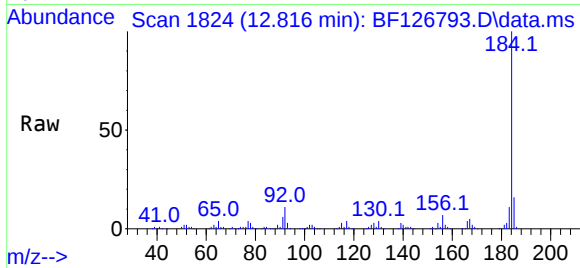
Tgt Ion:240 Resp: 440701
Ion Ratio Lower Upper
240 100
120 12.4 14.4 21.6#
236 25.1 20.5 30.7





#77
Benzidine
Concen: 19.107 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

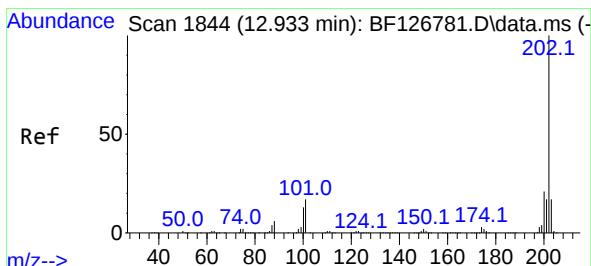
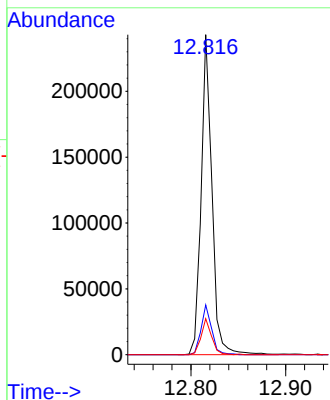
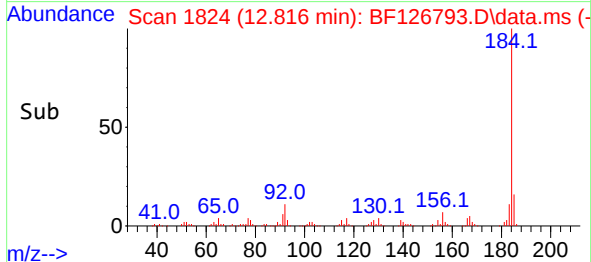
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:184 Resp: 19317
Ion Ratio Lower Upper
184 100
185 15.6 11.8 17.8
183 11.2 8.2 12.2

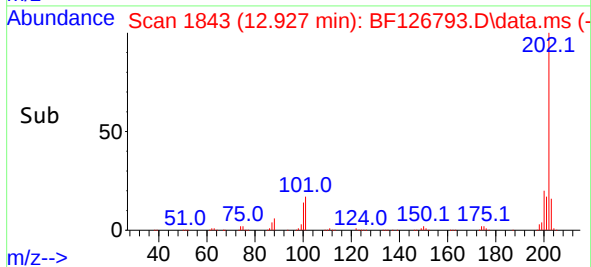
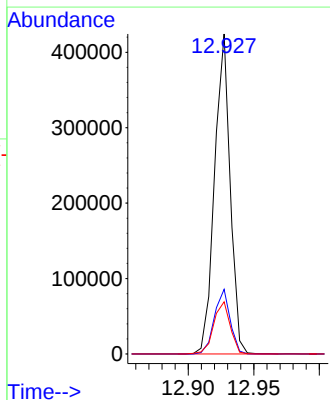
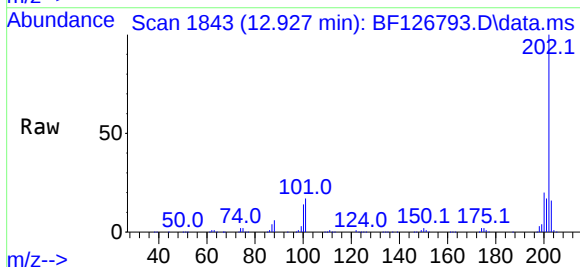
Manual Integrations
APPROVED

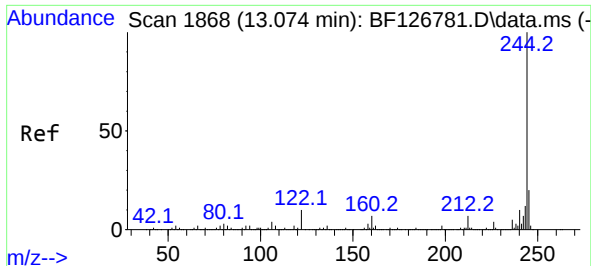
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#78
Pyrene
Concen: 9.943 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

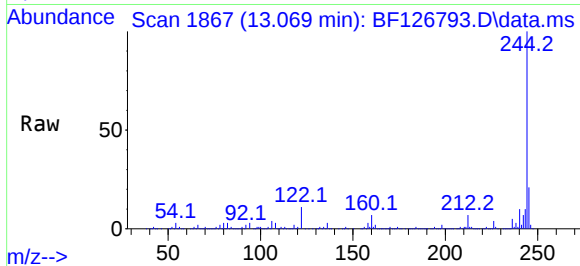
Tgt Ion:202 Resp: 350173
Ion Ratio Lower Upper
202 100
200 20.2 16.6 24.8
203 16.3 13.8 20.8





#79
Terphenyl-d14
Concen: 61.424 ng
RT: 13.069 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

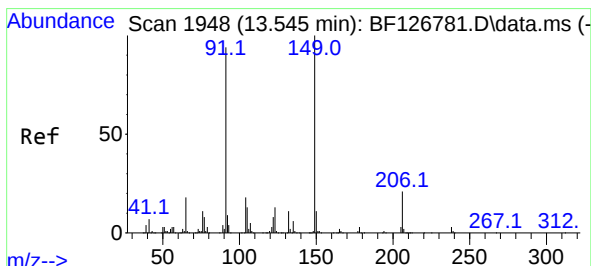
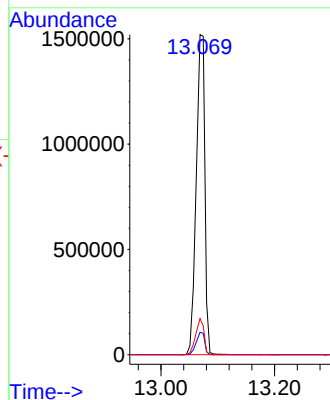
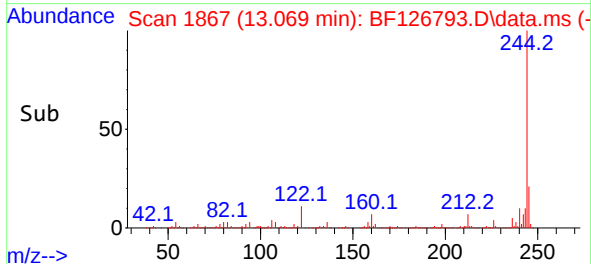
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:244 Resp: 161818
Ion Ratio Lower Upper
244 100
212 7.0 5.0 7.4
122 11.3 13.3 19.9

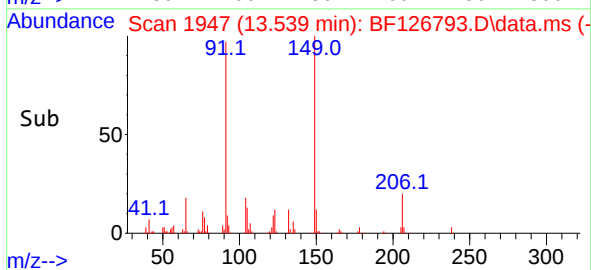
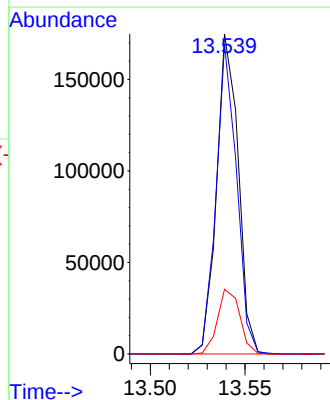
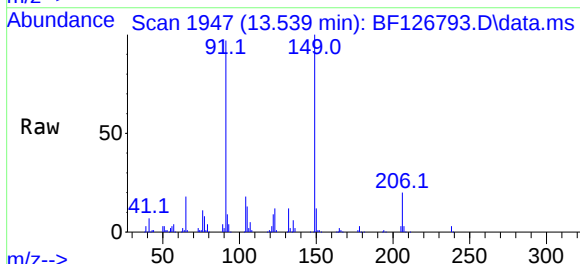
Manual Integrations
APPROVED

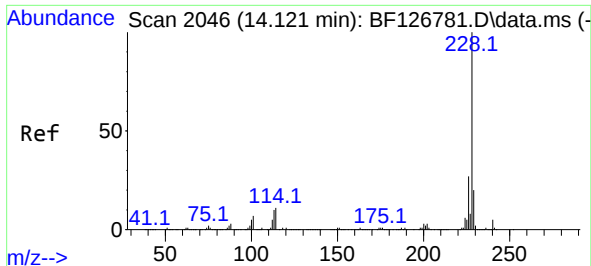
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#80
Butylbenzylphthalate
Concen: 9.508 ng
RT: 13.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

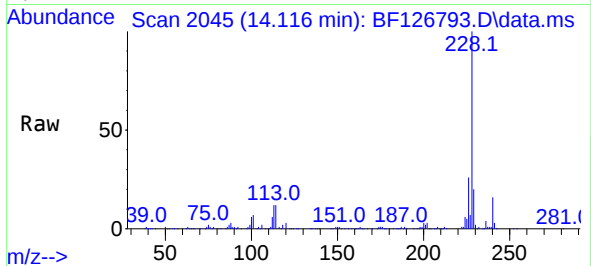
Tgt Ion:149 Resp: 138944
Ion Ratio Lower Upper
149 100
91 96.8 70.5 105.7
206 20.2 12.6 19.0





#81
Benzo(a)anthracene
Concen: 10.179 ng
RT: 14.116 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

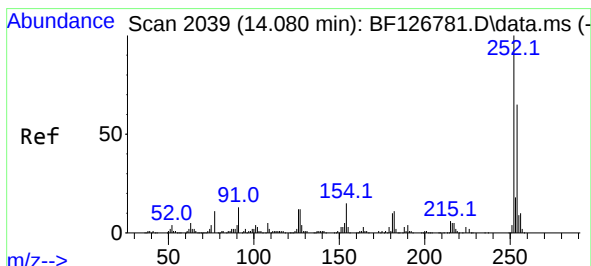
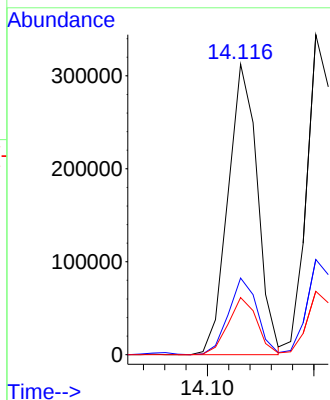
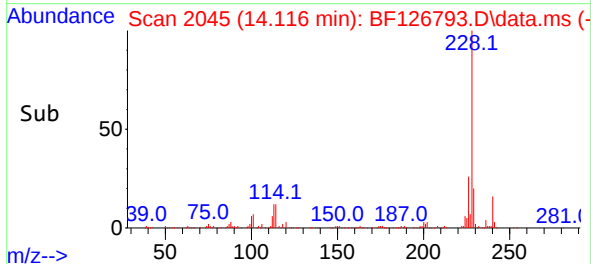
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



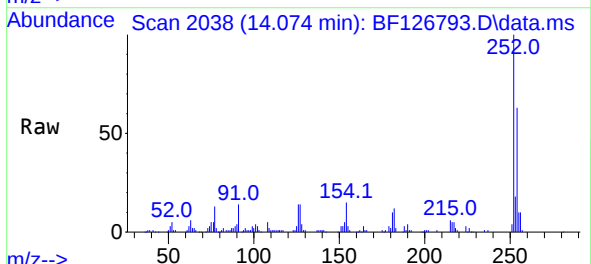
Tgt Ion:228 Resp: 299315
Ion Ratio Lower Upper
228 100
226 26.4 21.4 32.0
229 19.7 15.4 23.2

Manual Integrations
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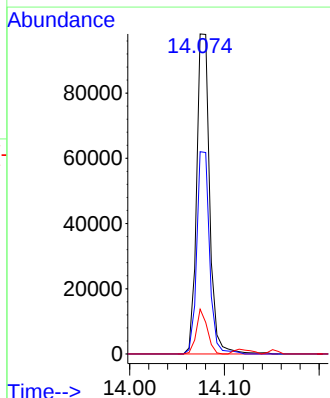
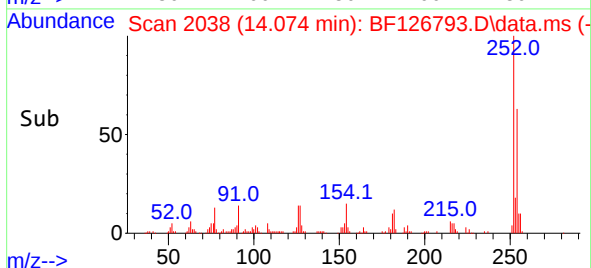
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

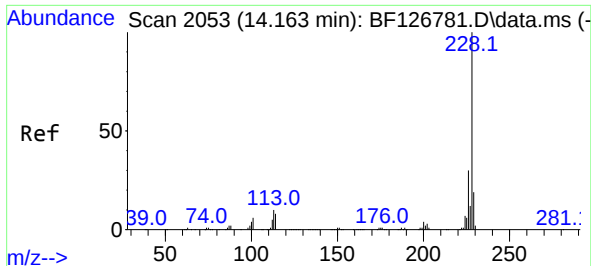


#82
3,3'-Dichlorobenzidine
Concen: 11.128 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



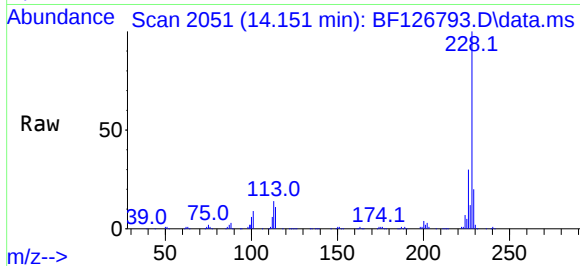
Tgt Ion:252 Resp: 93716
Ion Ratio Lower Upper
252 100
254 63.2 51.0 76.4
126 14.0 13.4 20.0





#83
Chrysene
Concen: 10.623 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

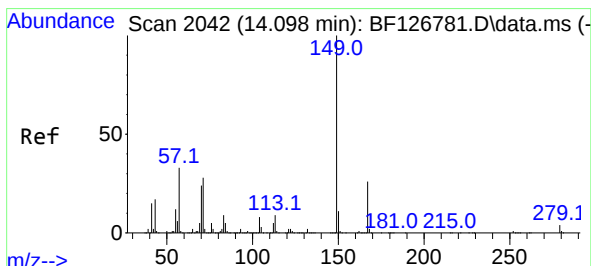
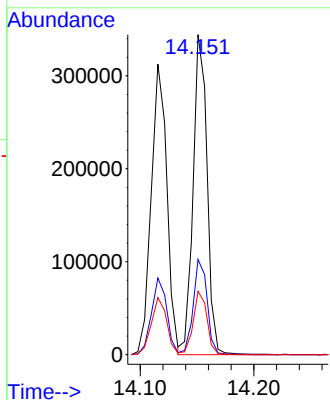
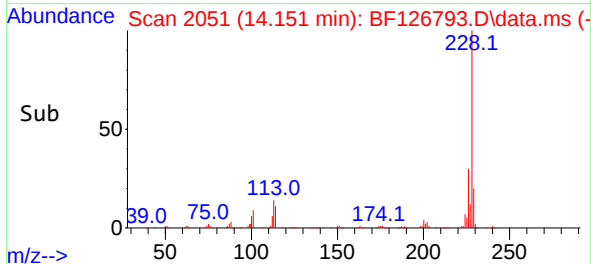
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



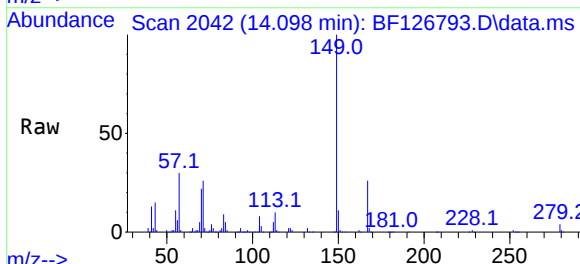
Tgt Ion:228 Resp: 295762
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 19.8 15.5 23.3

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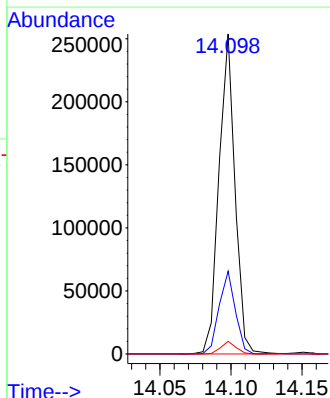
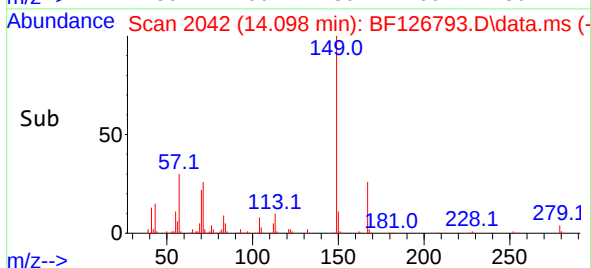
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

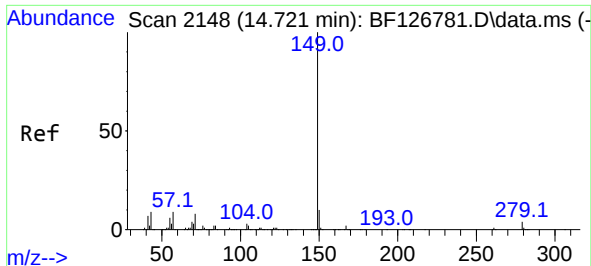


#84
Bis(2-ethylhexyl)phthalate
Concen: 10.447 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



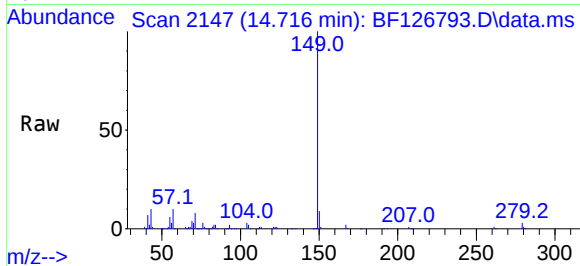
Tgt Ion:149 Resp: 198626
Ion Ratio Lower Upper
149 100
167 25.9 21.4 32.2
279 4.0 2.4 3.6





#85
Di-n-octyl phthalate
Concen: 10.681 ng
RT: 14.716 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

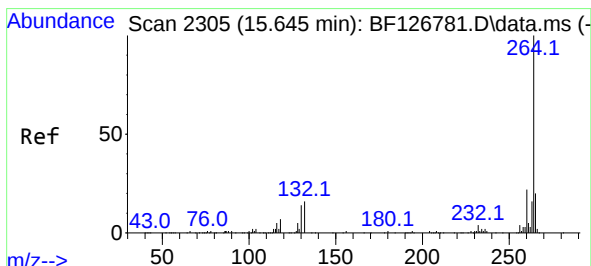
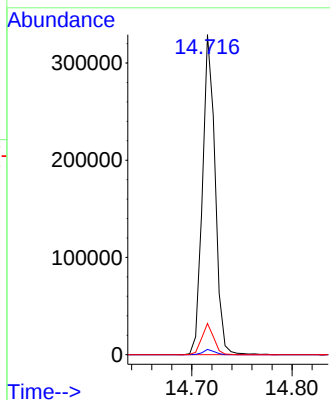
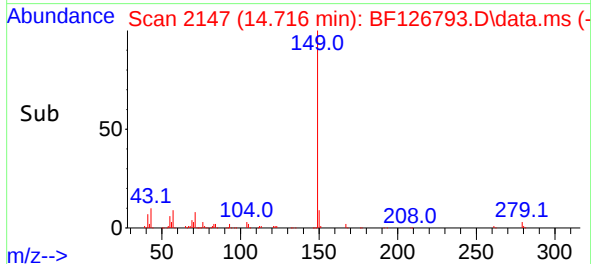
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



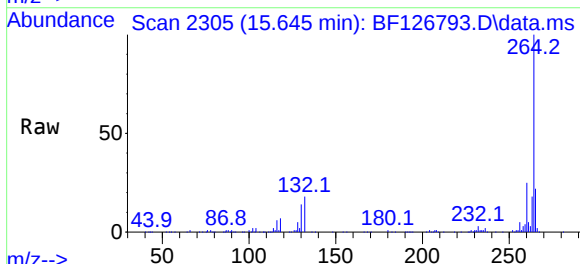
Tgt Ion:149 Resp: 289560
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 9.2 9.9 14.9

Manual Integrations
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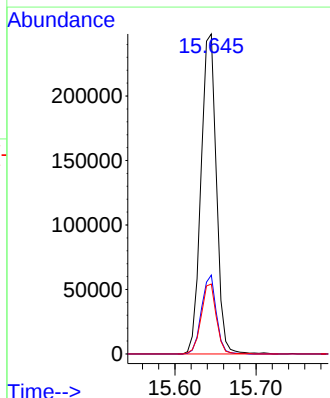
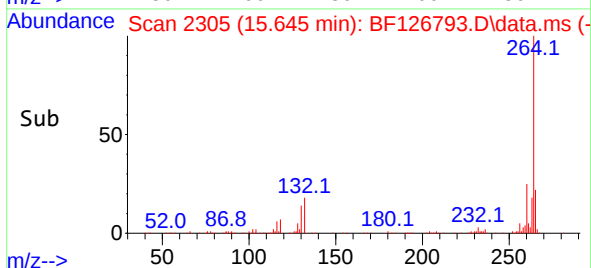
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

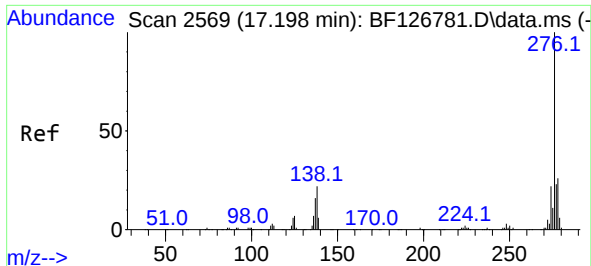


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2305
Delta R.T. 0.000 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



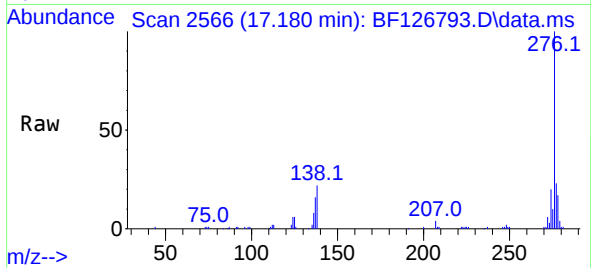
Tgt Ion:264 Resp: 326233
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 21.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.635 ng
RT: 17.180 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

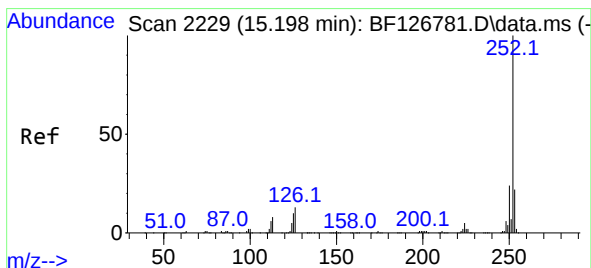
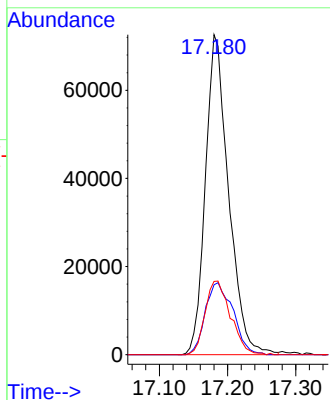
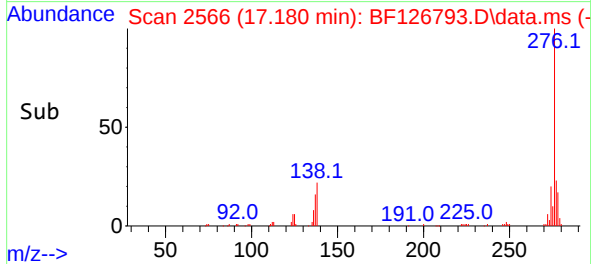
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



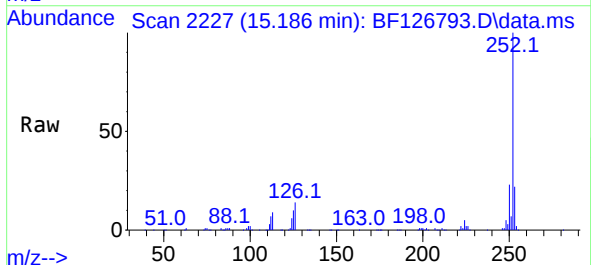
Tgt Ion:276 Resp: 171809
Ion Ratio Lower Upper
276 100
138 26.9 29.2 43.8
277 25.3 19.8 29.8

Manual Integrations
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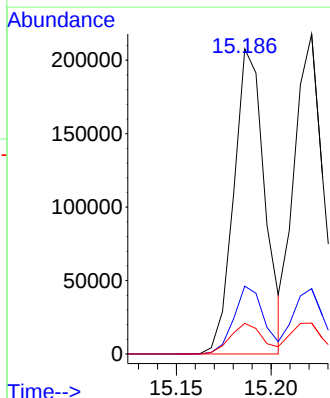
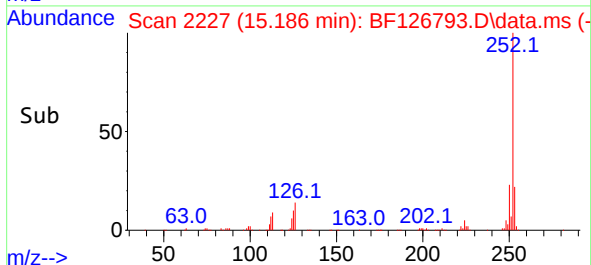
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

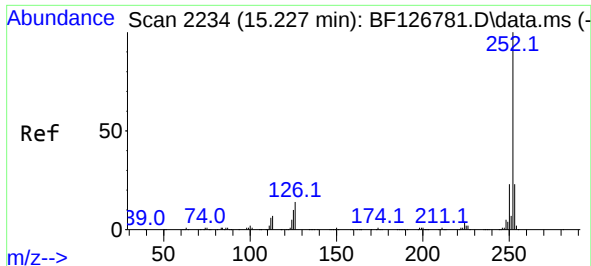


#88
Benzo(b)fluoranthene
Concen: 11.062 ng
RT: 15.186 min Scan# 2227
Delta R.T. -0.012 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



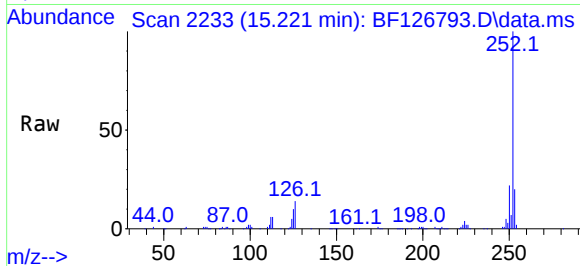
Tgt Ion:252 Resp: 235978
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 10.0 12.4 18.6





#89
Benzo(k)fluoranthene
Concen: 10.853 ng
RT: 15.221 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

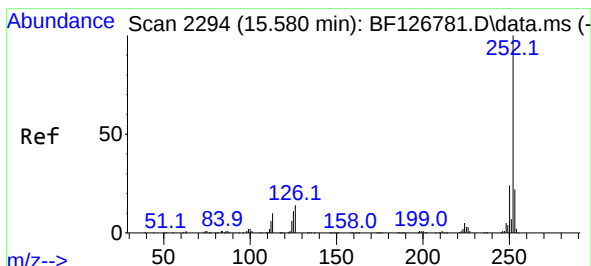
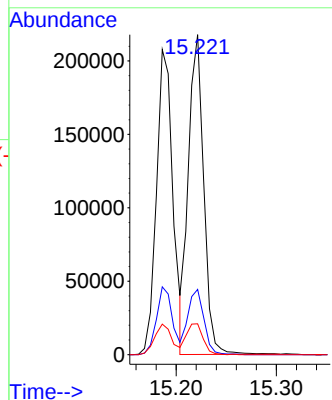
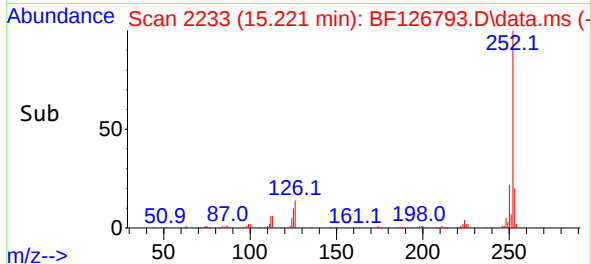
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



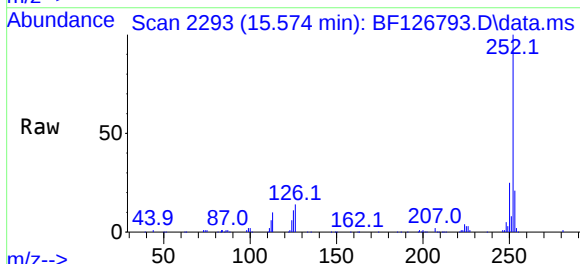
Tgt Ion:252 Resp: 230930
Ion Ratio Lower Upper
252 100
253 20.4 17.5 26.3
125 9.6 11.8 17.6

Manual Integrations
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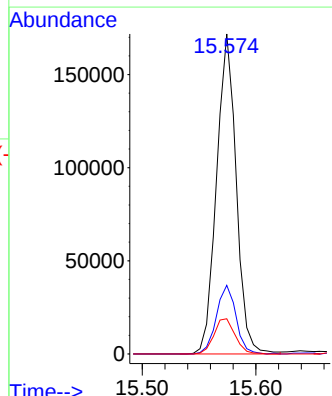
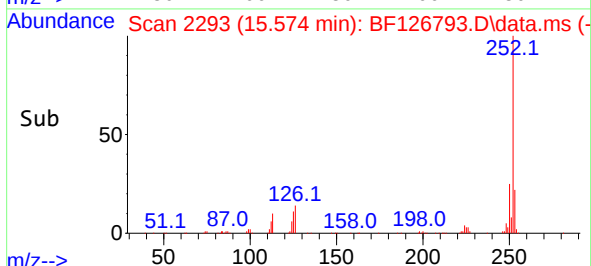
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

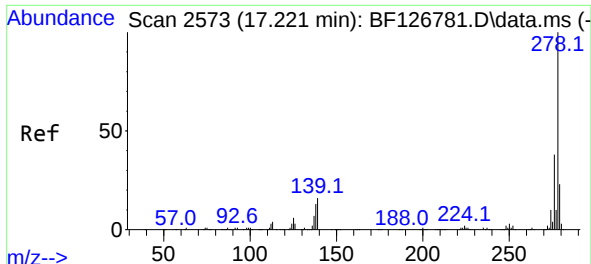


#90
Benzo(a)pyrene
Concen: 12.178 ng
RT: 15.574 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



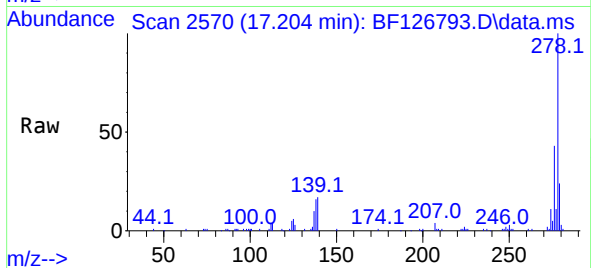
Tgt Ion:252 Resp: 207081
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 11.0 13.0 19.6





#91
Dibenzo(a,h)anthracene
Concen: 8.976 ng
RT: 17.204 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19

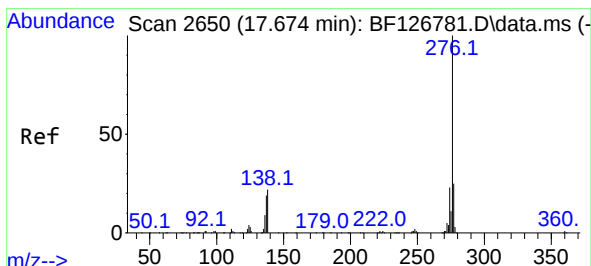
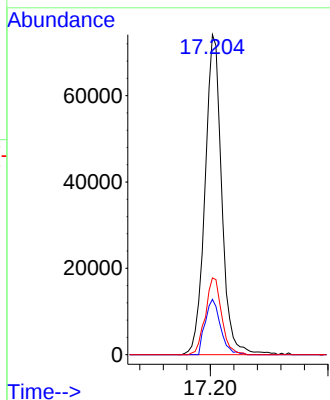
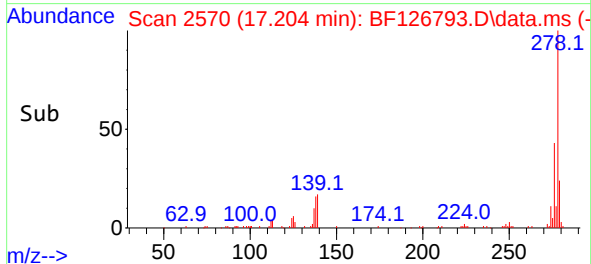
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



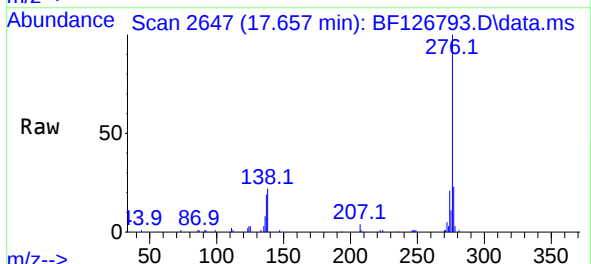
Tgt Ion:278 Resp: 14629
Ion Ratio Lower Upper
278 100
139 17.3 18.0 27.0
279 24.0 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#92
Benzo(g,h,i)perylene
Concen: 8.903 ng
RT: 17.657 min Scan# 2647
Delta R.T. -0.018 min
Lab File: BF126793.D
Acq: 03 Feb 2022 12:19



Tgt Ion:276 Resp: 143323
Ion Ratio Lower Upper
276 100
277 22.6 18.5 27.7
138 21.9 25.9 38.9#

