

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020322\
 Data File : BF126790.D
 Acq On : 03 Feb 2022 10:27
 Operator : CG/JU
 Sample : M4068-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Feb 03 11:34:01 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	150448	20.000	ng	0.00
21) Naphthalene-d8	8.234	136	563626	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	316545	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	552645	20.000	ng	0.00
76) Chrysene-d12	14.127	240	419855	20.000	ng	# 0.00
86) Perylene-d12	15.639	264	286354	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1295085	117.903	ng	0.00
7) Phenol-d6	6.569	99	1900660	125.091	ng	0.00
23) Nitrobenzene-d5	7.510	82	1214442	80.640	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	414792	126.260	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	1519470	79.483	ng	0.00
79) Terphenyl-d14	13.069	244	1620527	64.567	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.793	88	21647	3.894	ng	# 87
3) Pyridine	3.622	79	52396	3.476	ng	# 80
4) n-Nitrosodimethylamine	3.505	42	18862	4.051	ng	# 76
6) Aniline	6.616	93	93228	4.808	ng	96
8) 2-Chlorophenol	6.734	128	44627	4.443	ng	98
9) Benzaldehyde	6.504	77	50172	5.249	ng	89
10) Phenol	6.581	94	71237	4.380	ng	99
11) bis(2-Chloroethyl)ether	6.681	93	59010	4.504	ng	93
12) 1,3-Dichlorobenzene	6.887	146	50706	4.484	ng	96
13) 1,4-Dichlorobenzene	6.963	146	51318m	4.489	ng	
14) 1,2-Dichlorobenzene	7.116	146	46590	4.194	ng	97
15) Benzyl Alcohol	7.081	79	62571m	5.154	ng	
16) 2,2'-oxybis(1-Chloropr...	7.216	45	64437	4.565	ng	83
17) 2-Methylphenol	7.181	107	42994	4.353	ng	94
18) Hexachloroethane	7.457	117	19172	4.282	ng	90
19) n-Nitroso-di-n-propyla...	7.345	70	45114	4.509	ng	# 83
20) 3+4-Methylphenols	7.334	107	54711	4.398	ng	# 68
22) Acetophenone	7.351	105	72713	4.458	ng	# 87
24) Nitrobenzene	7.528	77	71813	4.804	ng	# 85
25) Isophorone	7.757	82	116785	4.518	ng	# 93
26) 2-Nitrophenol	7.840	139	19960	4.006	ng	# 72
27) 2,4-Dimethylphenol	7.869	122	43368	4.984	ng	93
28) bis(2-Chloroethoxy)met...	7.969	93	72034	4.394	ng	98
29) 2,4-Dichlorophenol	8.081	162	35581	4.153	ng	96
30) 1,2,4-Trichlorobenzene	8.169	180	39669	4.306	ng	96
31) Naphthalene	8.251	128	138472	4.700	ng	100
32) Benzoic acid	7.910	122	15816	2.355	ng	88
33) 4-Chloroaniline	8.298	127	55788	4.687	ng	# 94
34) Hexachlorobutadiene	8.363	225	24089	4.172	ng	97
35) Caprolactam	8.622	113	11770	3.776	ng	# 78
36) 4-Chloro-3-methylphenol	8.763	107	46339	4.244	ng	90
37) 2-Methylnaphthalene	8.939	142	88746	4.889	ng	95
38) 1-Methylnaphthalene	9.039	142	83567	4.782	ng	98
40) 1,2,4,5-Tetrachloroben...	9.104	216	39713	4.357	ng	96
41) Hexachlorocyclopentadiene	9.092	237	22731	4.327	ng	96
43) 2,4,6-Trichlorophenol	9.216	196	26349	4.104	ng	98

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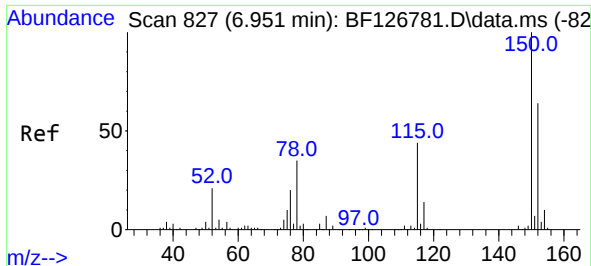
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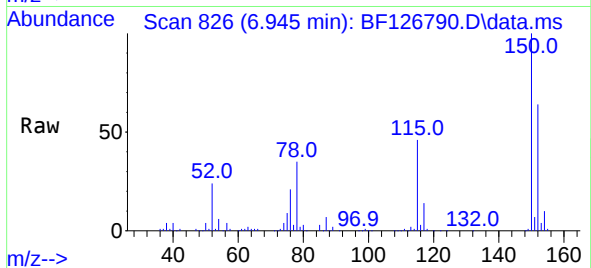
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	27786	4.145	ng	93
46) 1,1'-Biphenyl	9.404	154	107072	4.619	ng	96
47) 2-Chloronaphthalene	9.434	162	84241	4.584	ng	98
48) 2-Nitroaniline	9.522	65	30705	4.098	ng	92
49) Acenaphthylene	9.851	152	135399	4.772	ng	97
50) Dimethylphthalate	9.698	163	97365	4.450	ng	99
51) 2,6-Dinitrotoluene	9.763	165	19644	4.371	ng	89
52) Acenaphthene	10.022	154	80765	4.464	ng	96
53) 3-Nitroaniline	9.934	138	21967	4.289	ng #	86
54) 2,4-Dinitrophenol	10.039	184	4378	1.849	ng	87
55) Dibenzofuran	10.192	168	122443	4.585	ng	97
56) 4-Nitrophenol	10.075	139	13810	3.560	ng	83
57) 2,4-Dinitrotoluene	10.163	165	25833	4.241	ng #	92
58) Fluorene	10.533	166	96953	4.907	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.304	232	22191	3.825	ng #	85
60) Diethylphthalate	10.398	149	95311	4.433	ng	99
61) 4-Chlorophenyl-phenyle...	10.528	204	46954	4.698	ng #	86
62) 4-Nitroaniline	10.539	138	19023	3.914	ng #	76
63) Azobenzene	10.686	77	136278	4.568	ng	88
65) 4,6-Dinitro-2-methylph...	10.569	198	8543	2.548	ng	96
66) n-Nitrosodiphenylamine	10.645	169	81141	4.566	ng	99
67) 4-Bromophenyl-phenylether	11.022	248	26826	4.241	ng #	89
68) Hexachlorobenzene	11.081	284	30822	4.453	ng	93
69) Atrazine	11.163	200	25496	4.421	ng	93
70) Pentachlorophenol	11.275	266	13030	3.227	ng	97
71) Phenanthrene	11.504	178	147926	4.833	ng	98
72) Anthracene	11.551	178	151166	4.931	ng	99
73) Carbazole	11.704	167	124283	4.297	ng	98
74) Di-n-butylphthalate	12.033	149	144483	4.309	ng	99
75) Fluoranthene	12.692	202	136592	4.387	ng	98
77) Benzidine	12.816	184	55449	5.757	ng	98
78) Pyrene	12.922	202	141801	4.226	ng	100
80) Butylbenzylphthalate	13.539	149	50738	3.644	ng #	92
81) Benzo(a)anthracene	14.116	228	117309	4.187	ng	97
82) 3,3'-Dichlorobenzidine	14.074	252	29117	3.629	ng	93
83) Chrysene	14.151	228	115997	4.373	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	68708	3.793	ng #	99
85) Di-n-octyl phthalate	14.716	149	89284	3.457	ng #	94
87) Indeno(1,2,3-cd)pyrene	17.180	276	64577	3.697	ng #	91
88) Benzo(b)fluoranthene	15.186	252	88135	4.707	ng #	92
89) Benzo(k)fluoranthene	15.216	252	78725	4.215	ng #	94
90) Benzo(a)pyrene	15.574	252	70320	4.711	ng #	94
91) Dibenzo(a,h)anthracene	17.204	278	53594	3.746	ng #	93
92) Benzo(g,h,i)perylene	17.651	276	54085	3.828	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: BF126790.D
Acq: 03 Feb 2022 10:27

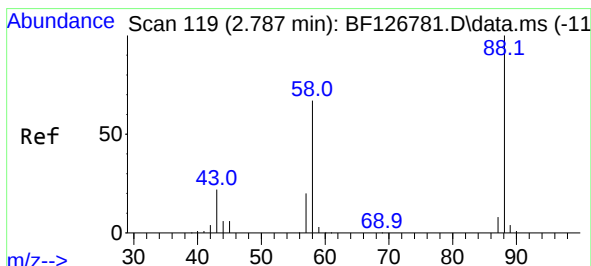
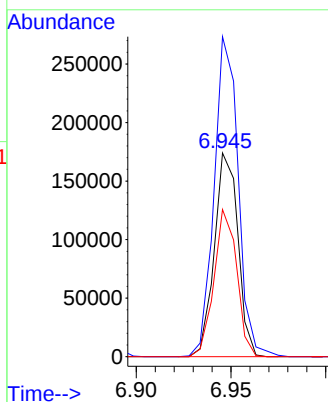
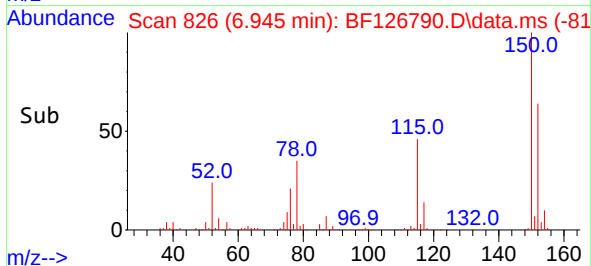
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:152 Resp: 150448
Ion Ratio Lower Upper
152 100
150 157.1 128.1 192.1
115 72.3 56.7 85.1

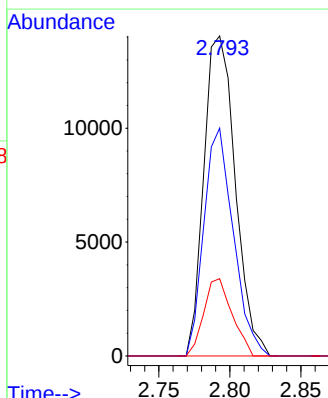
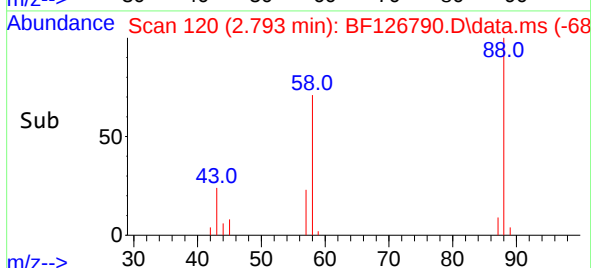
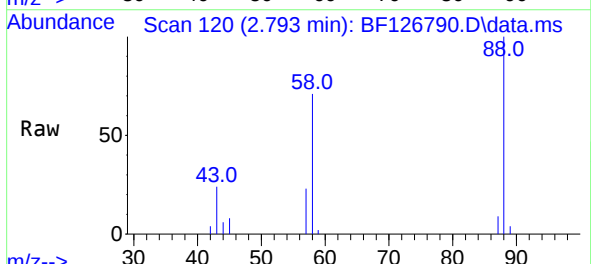
Manual Integrations
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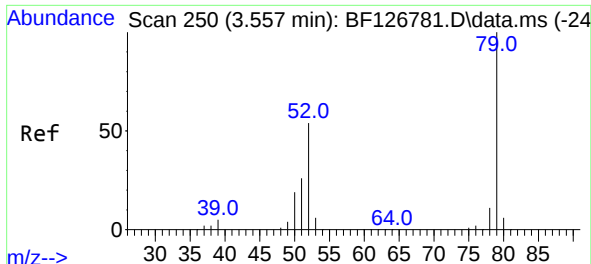
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#2
1,4-Dioxane
Concen: 3.894 ng
RT: 2.793 min Scan# 120
Delta R.T. 0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

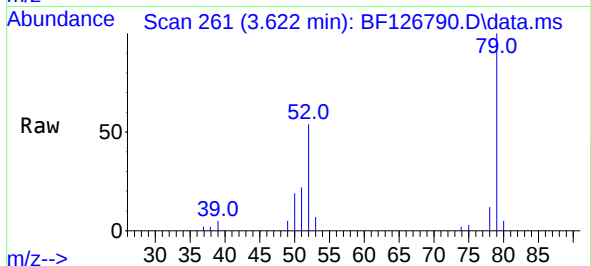
Tgt Ion: 88 Resp: 21647
Ion Ratio Lower Upper
88 100
58 66.6 62.8 94.2
43 21.7 22.3 33.5#





#3
Pyridine
Concen: 3.476 ng
RT: 3.622 min Scan# 20
Delta R.T. 0.065 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

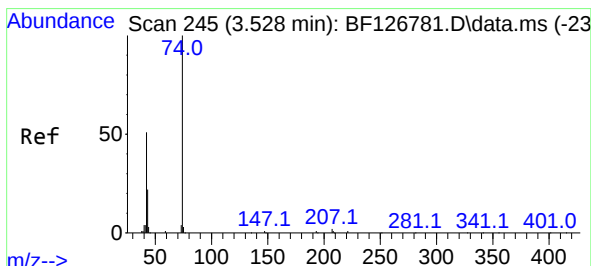
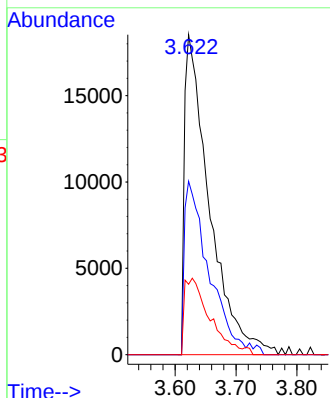
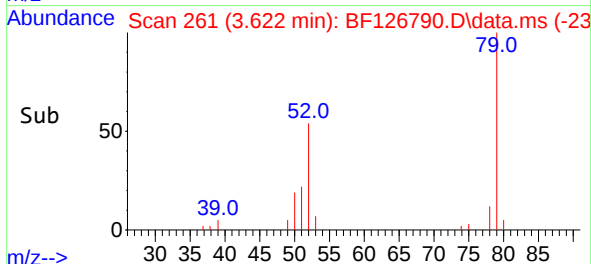
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



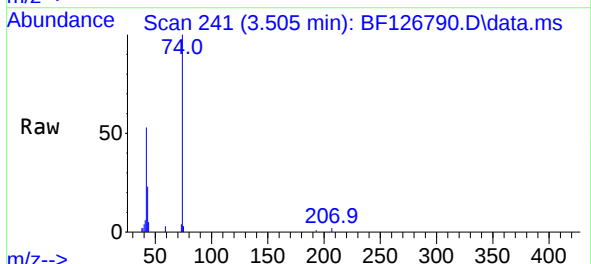
Tgt Ion: 79 Resp: 52390
Ion Ratio Lower Upper
79 100
52 54.2 56.2 84.4#
51 22.0 26.7 40.1#

Manual Integrations
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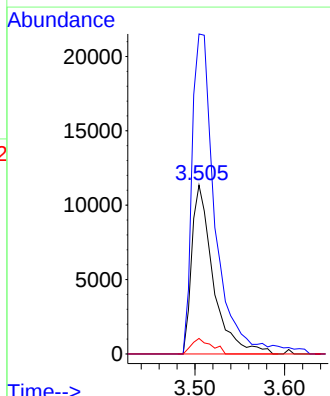
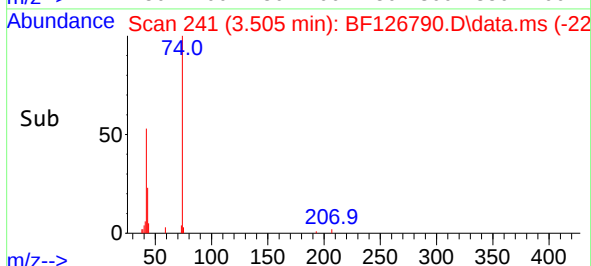
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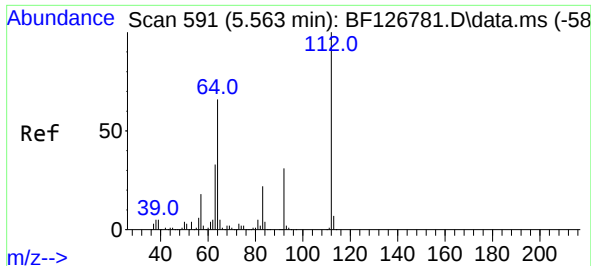


#4
n-Nitrosodimethylamine
Concen: 4.051 ng
RT: 3.505 min Scan# 241
Delta R.T. -0.023 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



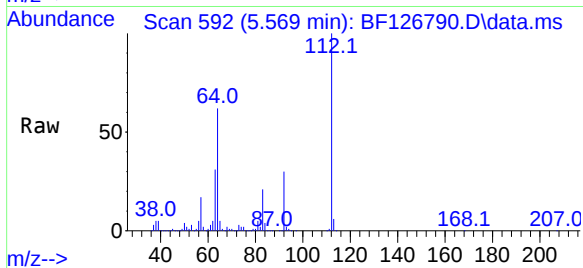
Tgt Ion: 42 Resp: 18862
Ion Ratio Lower Upper
42 100
74 189.6 125.6 188.4#
44 9.2 5.7 8.5#





#5
2-Fluorophenol
Concen: 117.903 ng
RT: 5.569 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

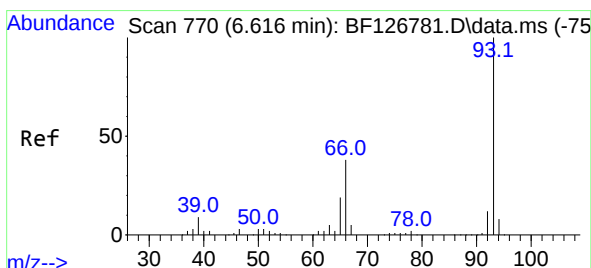
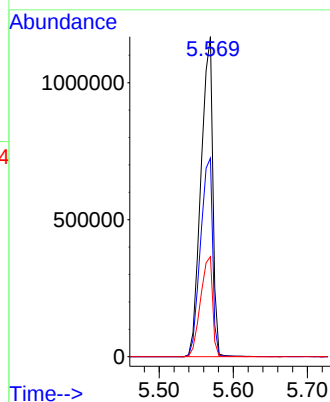
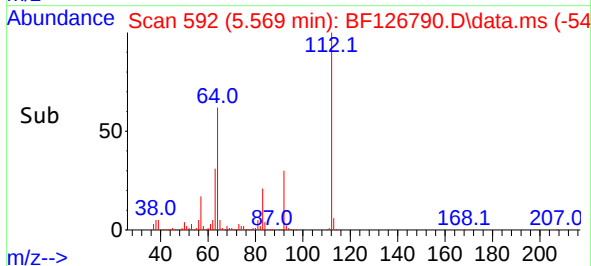
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:112 Resp: 1295085
Ion Ratio Lower Upper
112 100
64 62.1 49.5 74.3
63 31.3 23.9 35.9

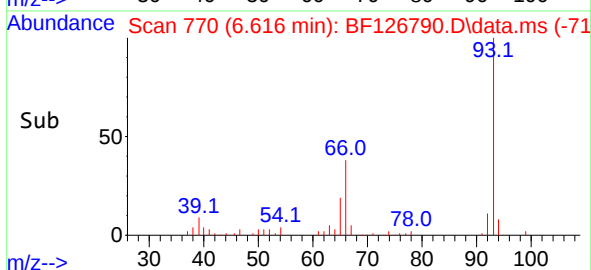
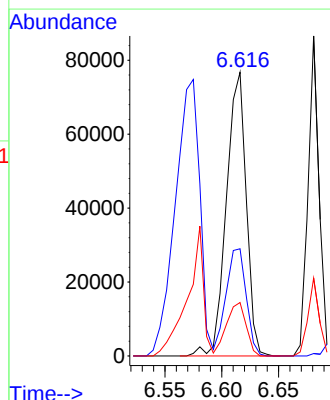
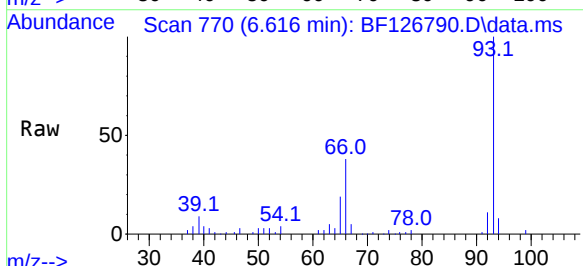
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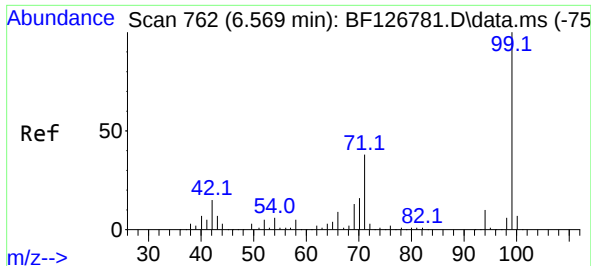
Reviewed By :Christian Giraldo 02/10/2022
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#6
Aniline
Concen: 4.808 ng
RT: 6.616 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

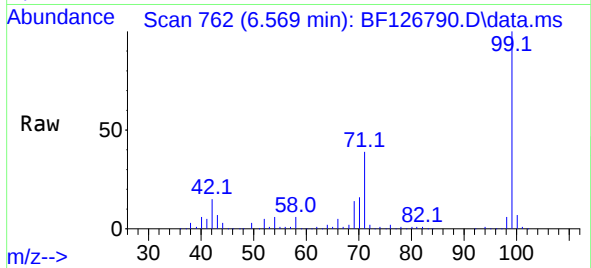
Tgt Ion: 93 Resp: 93228
Ion Ratio Lower Upper
93 100
66 37.8 32.2 48.4
65 18.9 16.3 24.5





#7
Phenol-d6
Concen: 125.091 ng
RT: 6.569 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

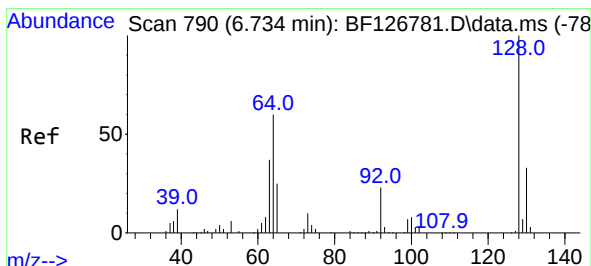
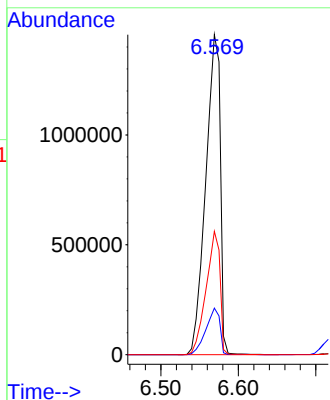
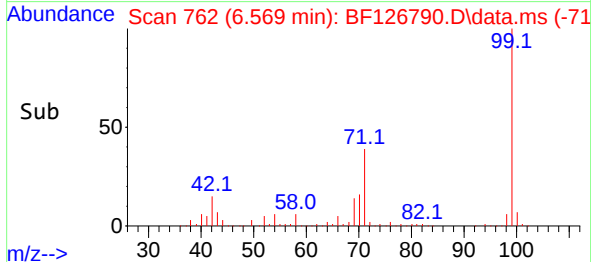
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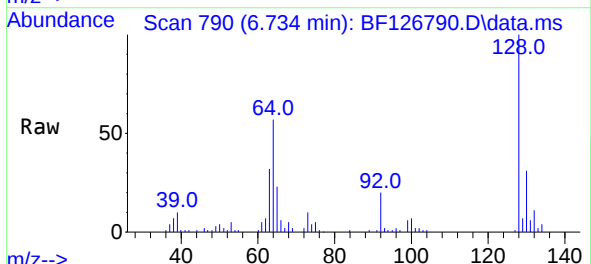
Tgt Ion: 99 Resp: 1900660
Ion Ratio Lower Upper
99 100
42 14.6 14.2 21.4
71 38.5 24.3 36.5

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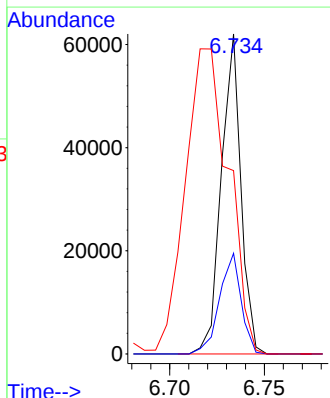
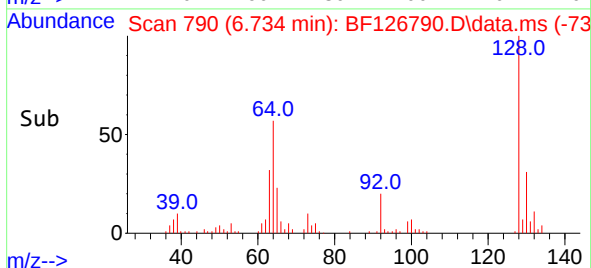
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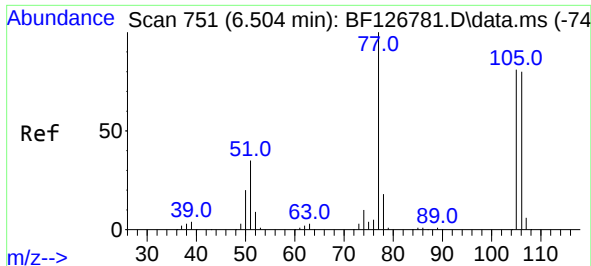


#8
2-Chlorophenol
Concen: 4.443 ng
RT: 6.734 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



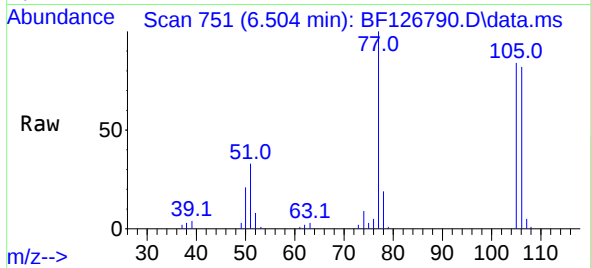
Tgt Ion:128 Resp: 44627
Ion Ratio Lower Upper
128 100
130 31.5 12.7 52.7
64 57.3 35.6 75.6





#9
Benzaldehyde
Concen: 5.249 ng
RT: 6.504 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

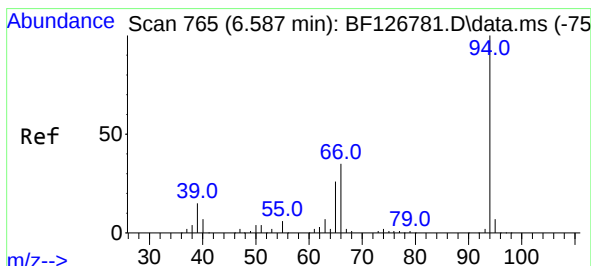
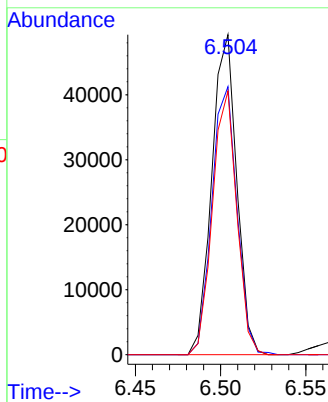
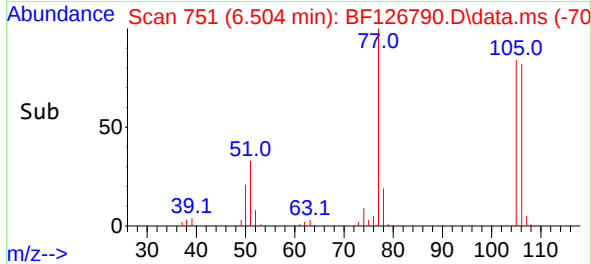
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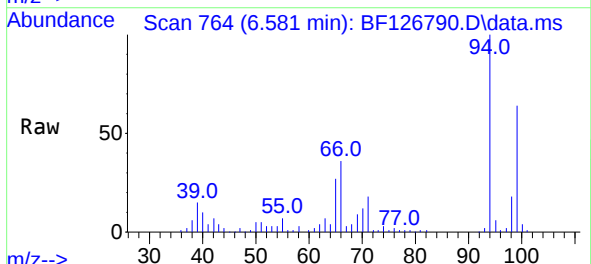
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Ion Ratio Lower Upper
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105 83.7 74.9 114.9
106 82.3 72.4 112.4

Manual Integrations
APPROVED

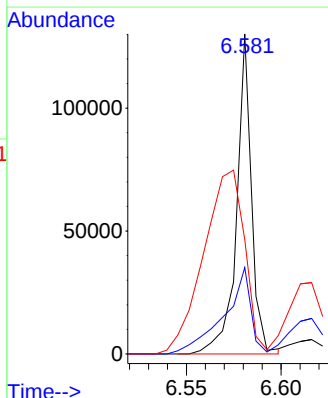
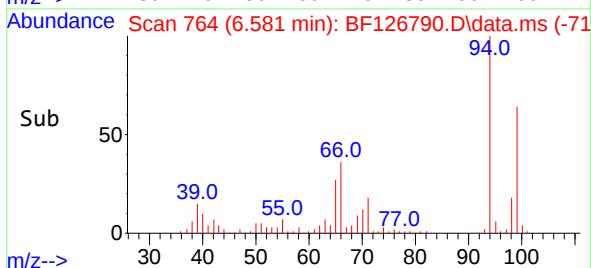
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

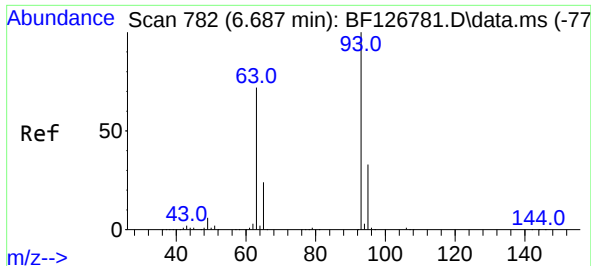


#10
Phenol
Concen: 4.380 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



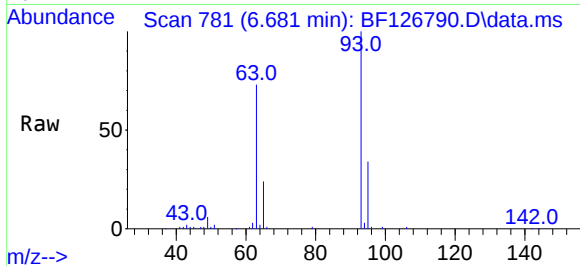
Tgt Ion: 94 Resp: 71237
Ion Ratio Lower Upper
94 100
65 27.0 7.2 47.2
66 35.7 14.5 54.5





#11
bis(2-Chloroethyl)ether
Concen: 4.504 ng
RT: 6.681 min Scan# 781
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

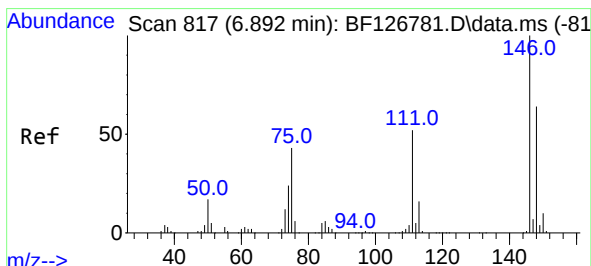
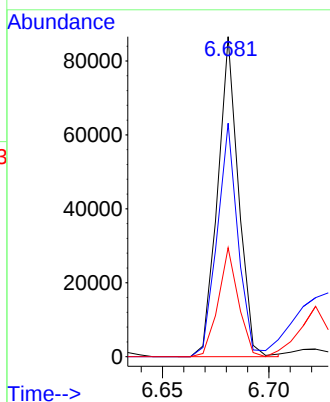
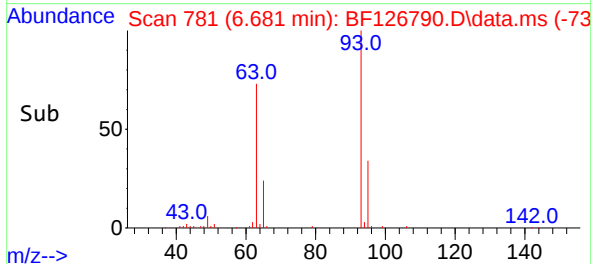
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



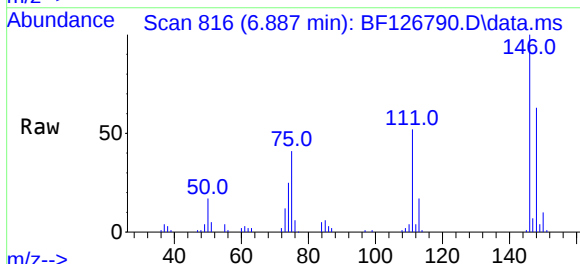
Tgt Ion: 93 Resp: 59010
Ion Ratio Lower Upper
93 100
63 73.0 60.5 100.5
95 34.1 12.9 52.9

Manual Integrations
APPROVED

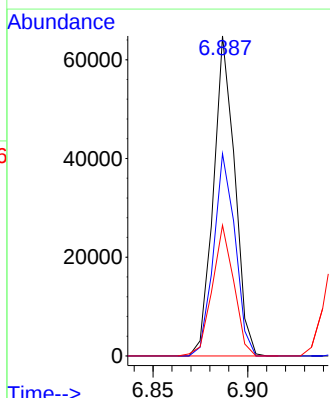
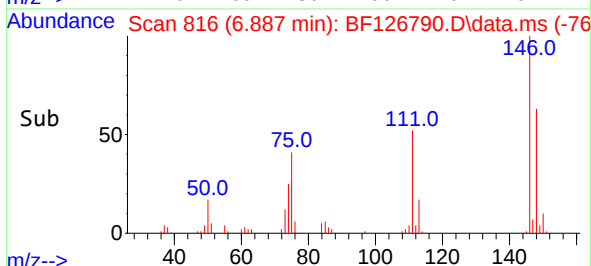
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

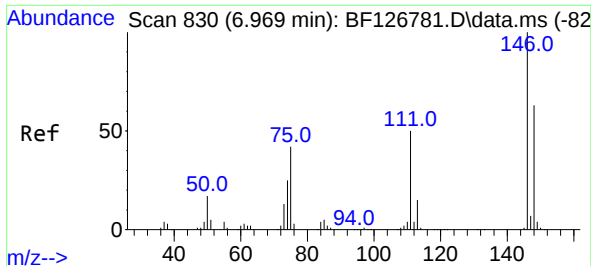


#12
1,3-Dichlorobenzene
Concen: 4.484 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



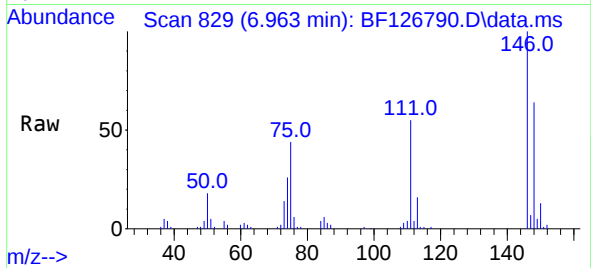
Tgt Ion:146 Resp: 50706
Ion Ratio Lower Upper
146 100
148 63.2 50.9 76.3
75 40.9 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 4.489 ng m
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

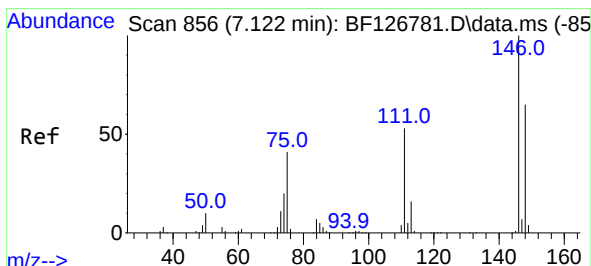
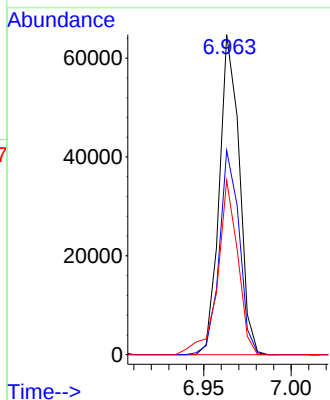
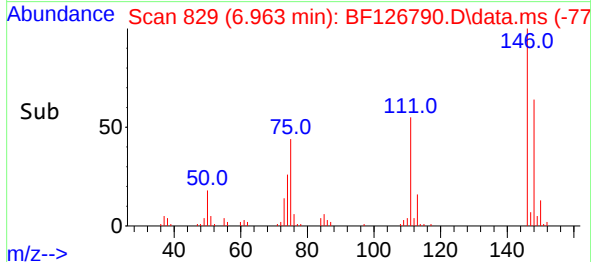
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



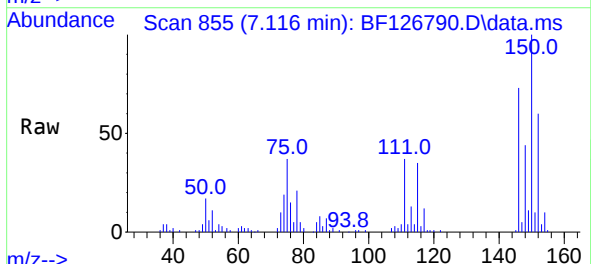
Tgt Ion:146 Resp: 51318
Ion Ratio Lower Upper
146 100
148 63.9 49.8 74.6
111 54.5 36.1 54.1

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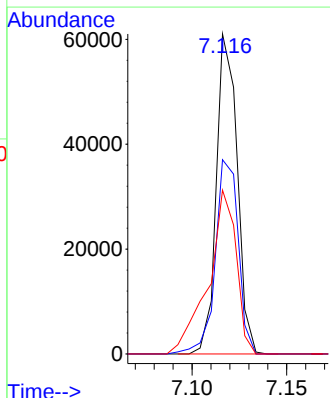
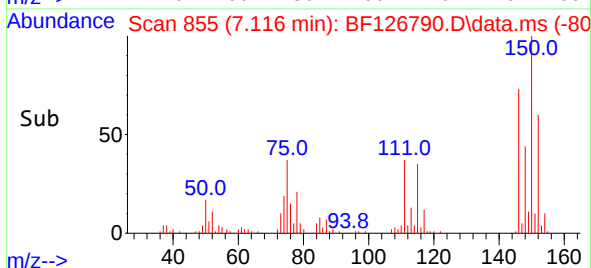
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

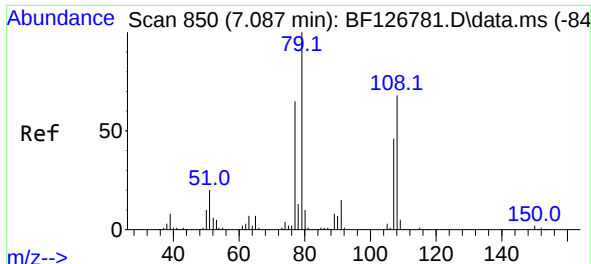


#14
1,2-Dichlorobenzene
Concen: 4.194 ng
RT: 7.116 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



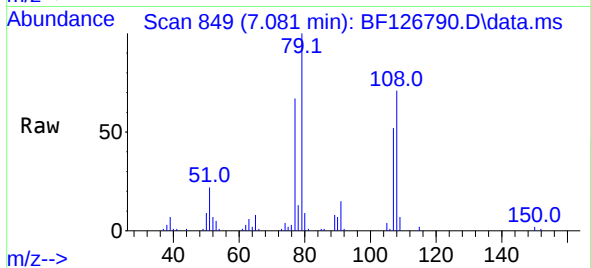
Tgt Ion:146 Resp: 46590
Ion Ratio Lower Upper
146 100
148 60.7 51.6 77.4
111 51.2 40.2 60.2





#15
Benzyl Alcohol
Concen: 5.154 ng m
RT: 7.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

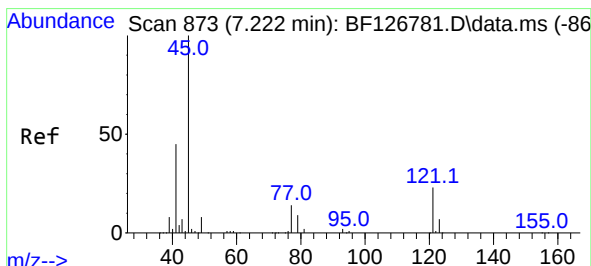
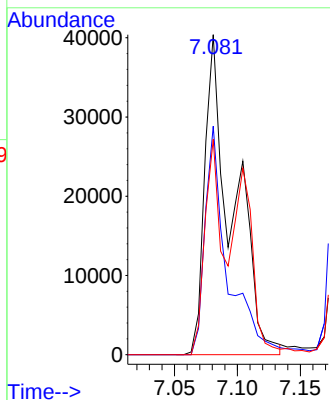
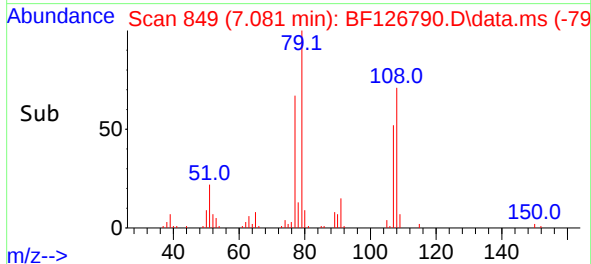
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



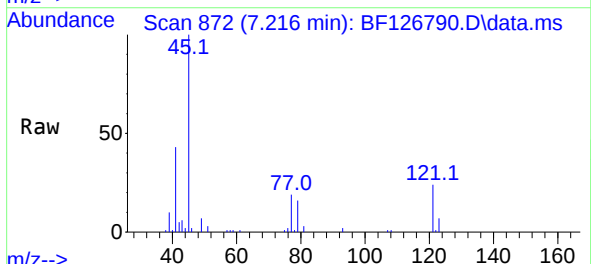
Tgt Ion: 79 Resp: 6257
Ion Ratio Lower Upper
79 100
108 71.4 63.2 94.8
77 67.3 49.4 74.2

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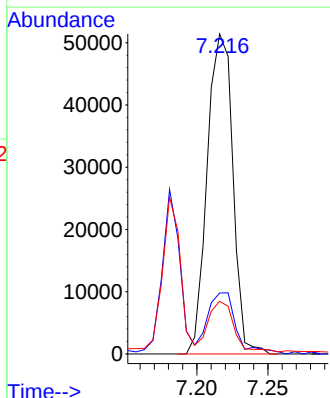
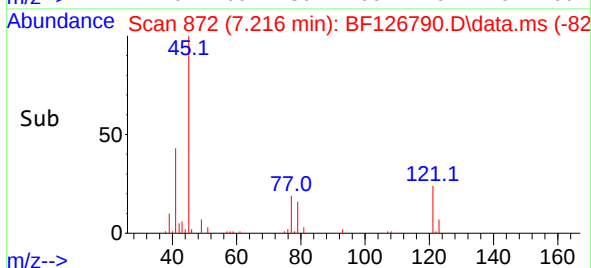
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

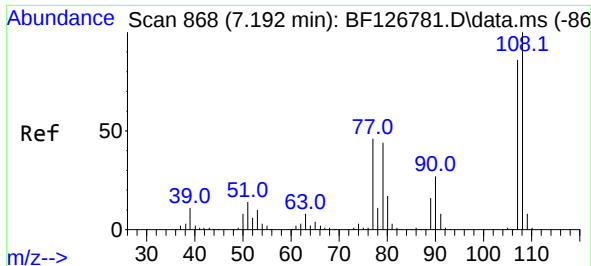


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.565 ng
RT: 7.216 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



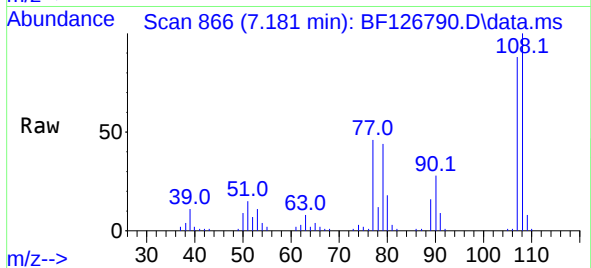
Tgt Ion: 45 Resp: 64437
Ion Ratio Lower Upper
45 100
77 19.1 0.0 32.4
79 16.5 0.0 29.8





#17
2-Methylphenol
Concen: 4.353 ng
RT: 7.181 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

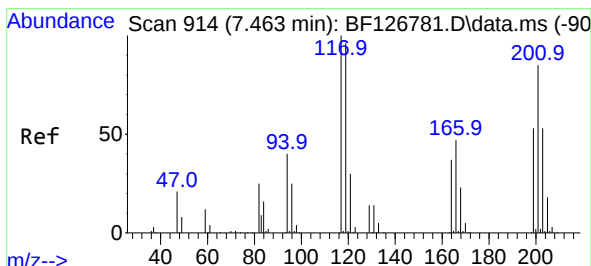
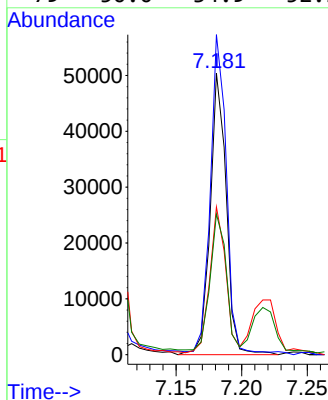
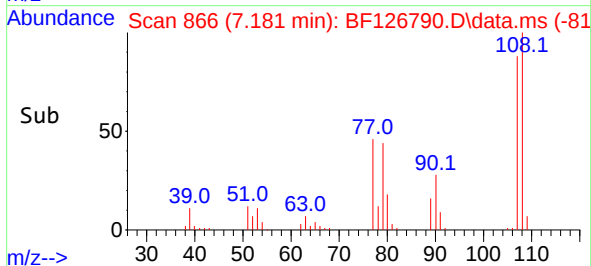
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:107 Resp: 42994
Ion Ratio Lower Upper
107 100
108 113.7 93.4 140.0
77 52.5 36.1 54.1
79 50.0 34.9 52.3

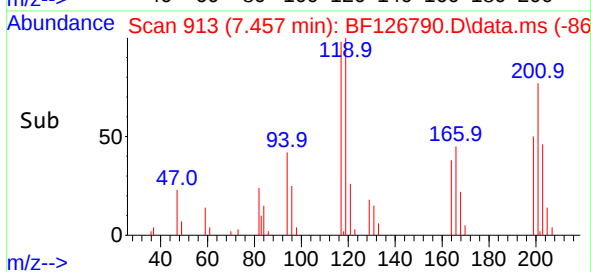
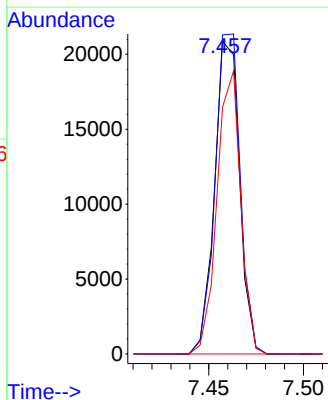
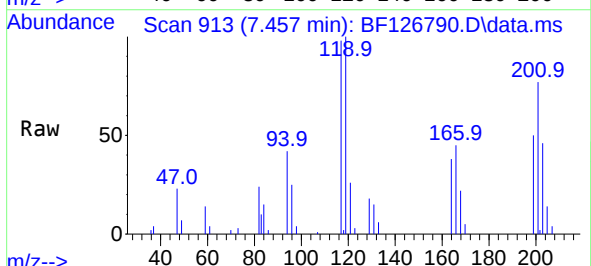
Manual Integrations
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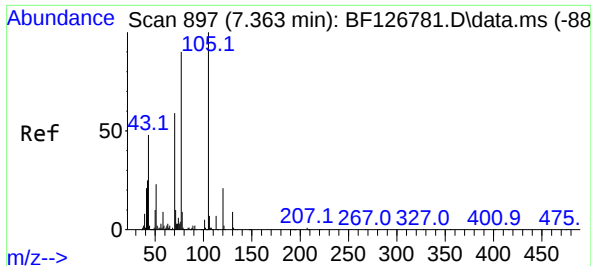
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#18
Hexachloroethane
Concen: 4.282 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

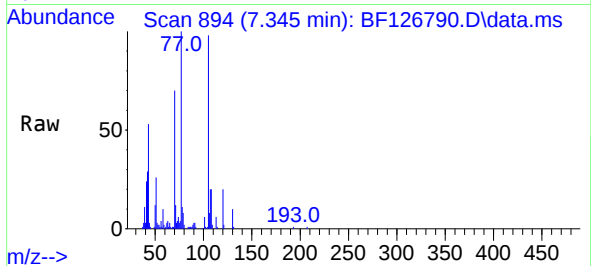
Tgt Ion:117 Resp: 19172
Ion Ratio Lower Upper
117 100
119 102.0 75.4 113.0
201 80.7 56.8 85.2





#19
n-Nitroso-di-n-propylamine
Concen: 4.509 ng
RT: 7.345 min Scan# 891
Delta R.T. -0.018 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

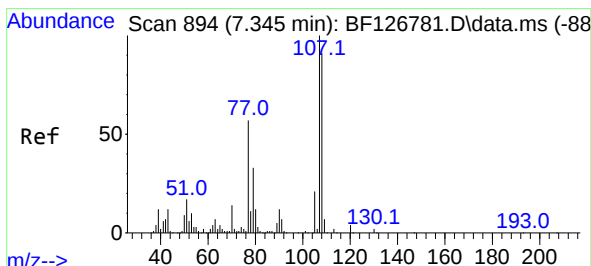
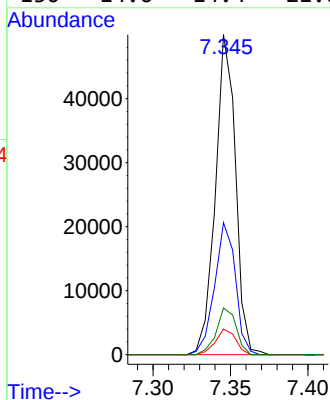
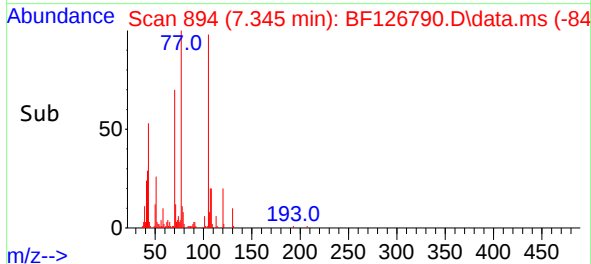
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 70 Resp: 45114
Ion Ratio Lower Upper
70 100
42 41.2 45.8 68.8
101 8.0 6.9 10.3
130 14.6 14.4 21.6

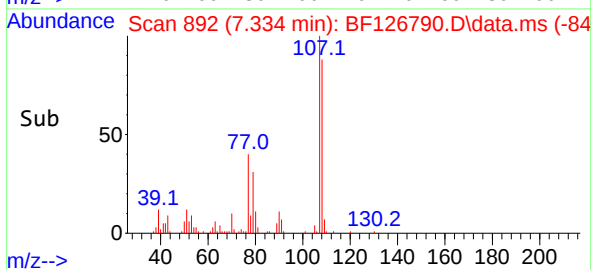
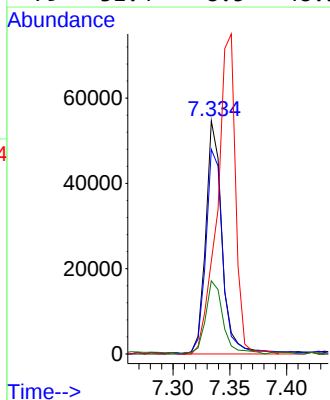
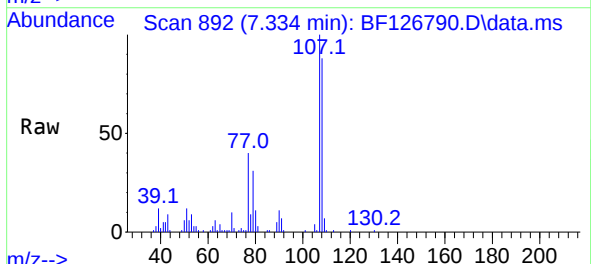
Manual Integrations
APPROVED

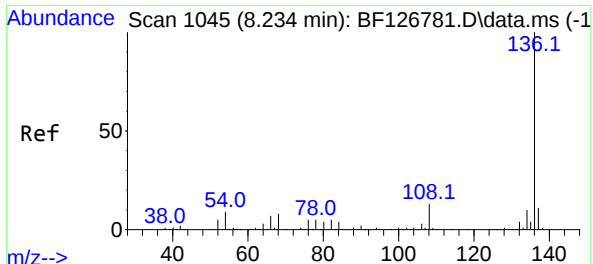
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#20
3+4-Methylphenols
Concen: 4.398 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

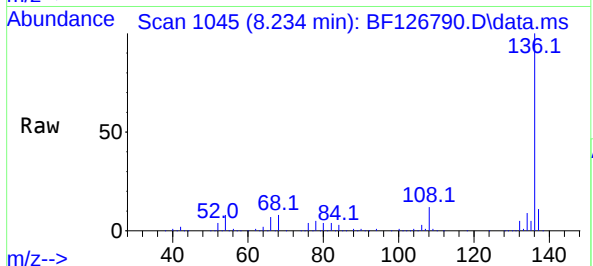
Tgt Ion:107 Resp: 54711
Ion Ratio Lower Upper
107 100
108 87.8 72.4 112.4
77 39.8 83.8 123.8
79 31.4 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

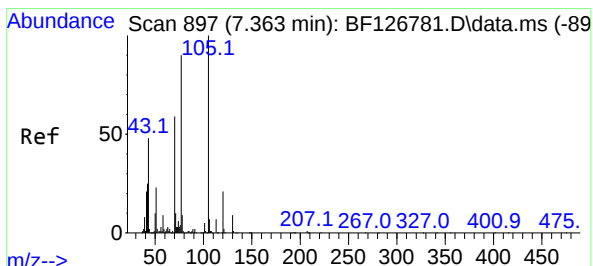
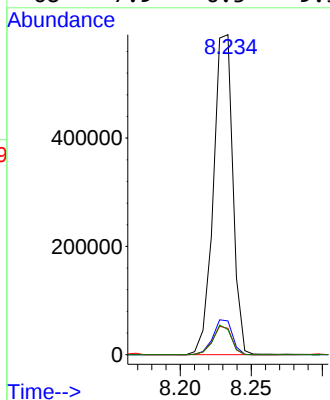
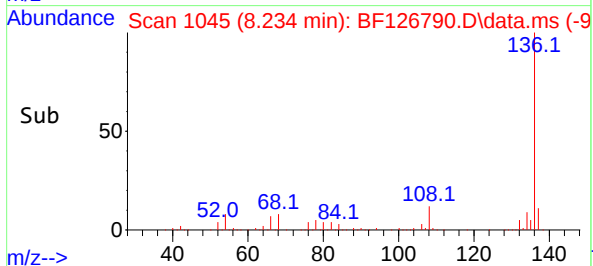


Tgt Ion:136 Resp: 563620

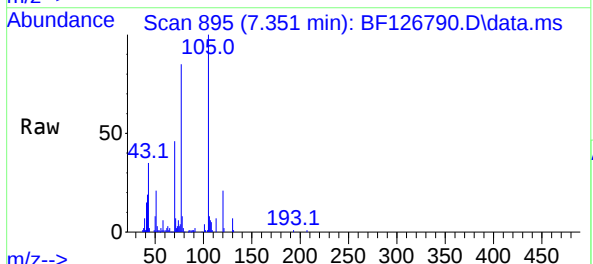
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.3	7.8	11.6
68	7.9	6.3	9.5

Manual Integrations
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Supervised By :mohammad ahmed 02/10/2022

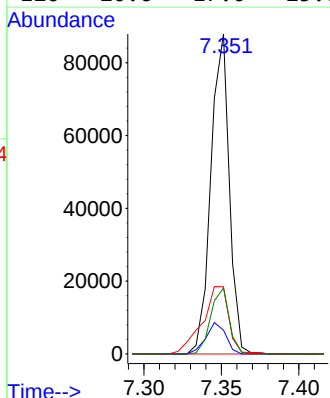
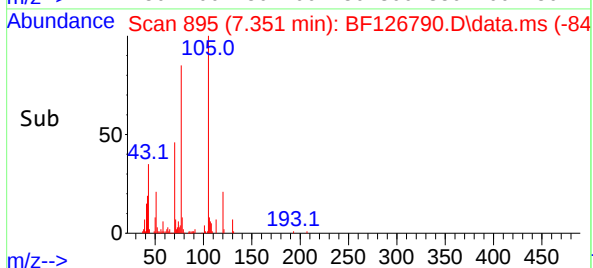


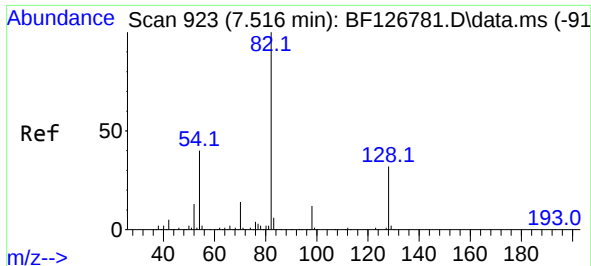
#22
Acetophenone
Concen: 4.458 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



Tgt Ion:105 Resp: 72713

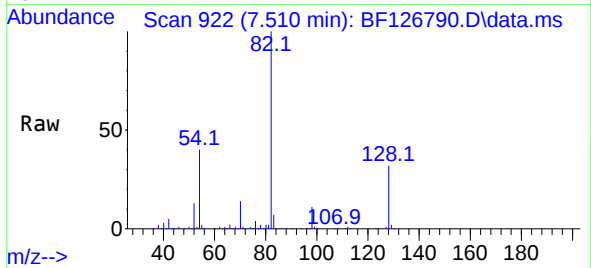
Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.4	8.0
51	21.0	27.4	41.0
120	20.6	17.0	25.6





#23
Nitrobenzene-d5
Concen: 80.640 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

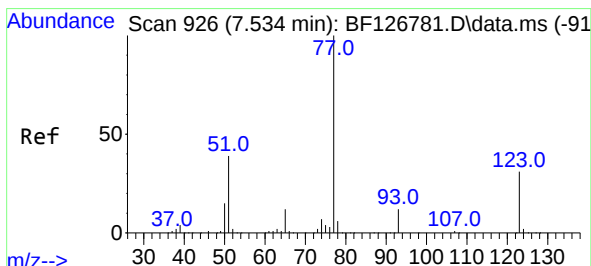
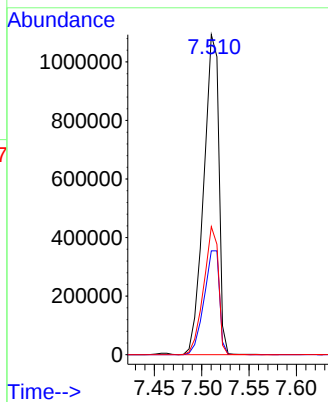
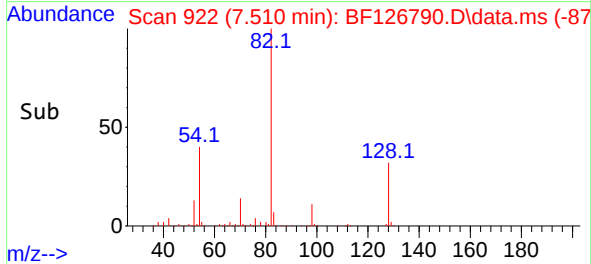
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 82 Resp: 121444
Ion Ratio Lower Upper
82 100
128 32.4 32.7 49.1
54 40.0 41.7 62.5

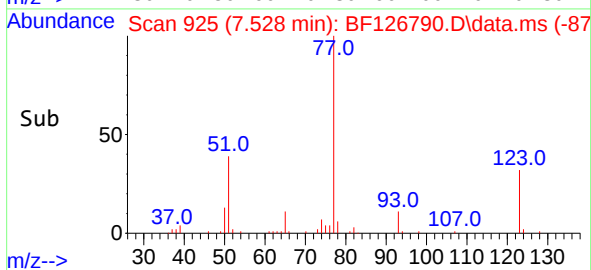
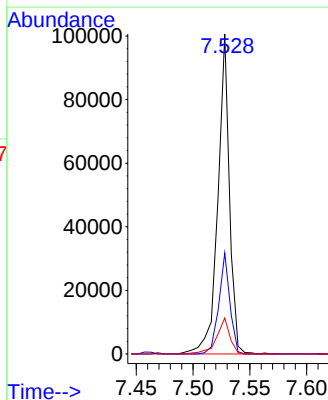
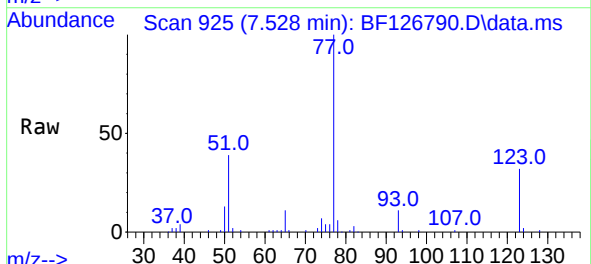
Manual Integrations
APPROVED

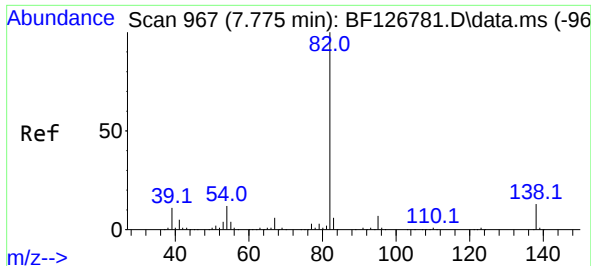
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#24
Nitrobenzene
Concen: 4.804 ng
RT: 7.528 min Scan# 925
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

Tgt Ion: 77 Resp: 71813
Ion Ratio Lower Upper
77 100
123 31.6 34.6 52.0
65 11.3 10.6 15.8





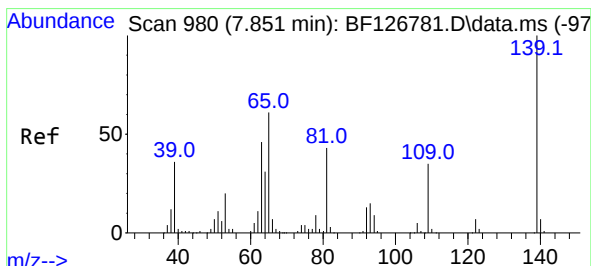
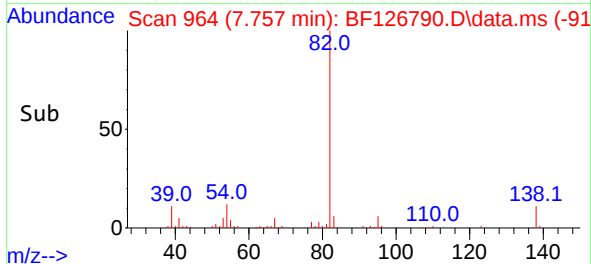
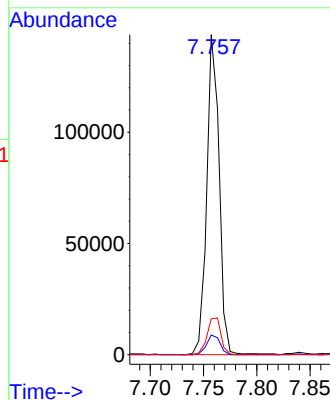
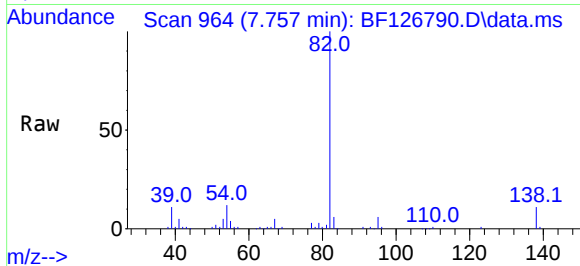
#25
Isophorone
Concen: 4.518 ng
RT: 7.757 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 82 Resp: 11678
Ion Ratio Lower Upper
82 100
95 6.2 5.0 7.4
138 11.2 12.3 18.5

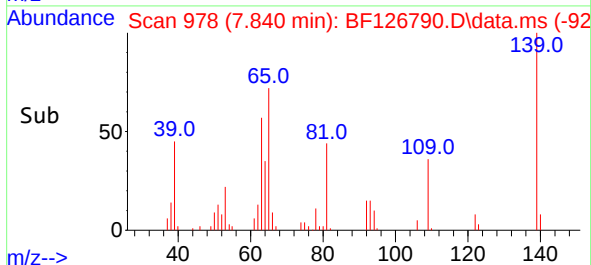
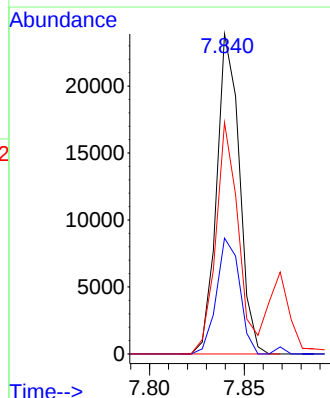
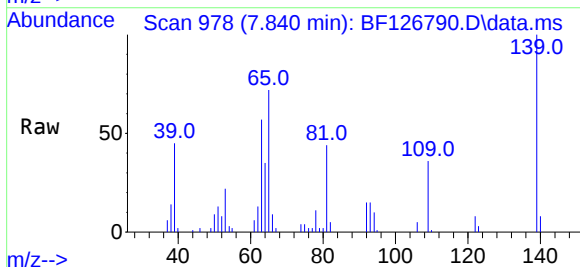
Manual Integrations
APPROVED

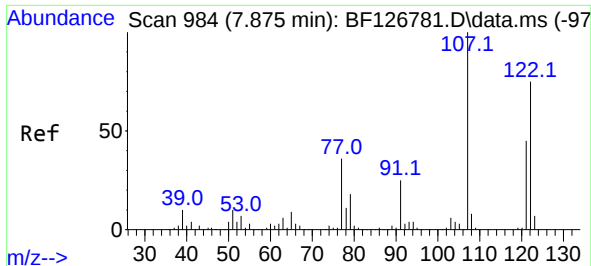
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#26
2-Nitrophenol
Concen: 4.006 ng
RT: 7.840 min Scan# 978
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

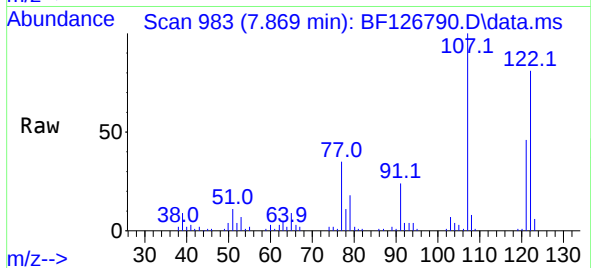
Tgt Ion:139 Resp: 19960
Ion Ratio Lower Upper
139 100
109 36.2 20.0 30.0#
65 72.4 40.8 61.2#





#27
2,4-Dimethylphenol
Concen: 4.984 ng
RT: 7.869 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

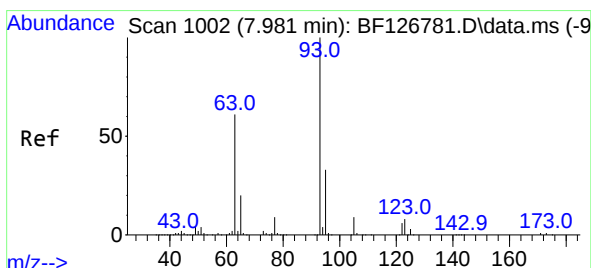
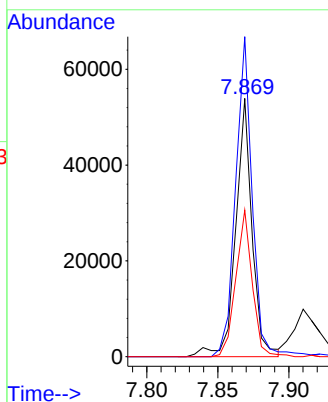
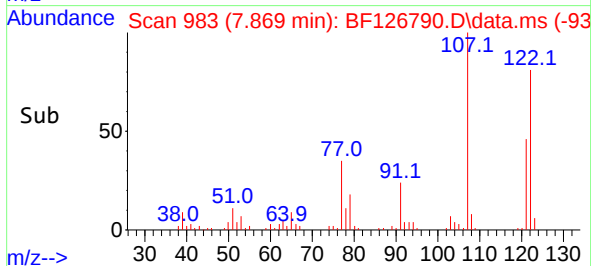
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



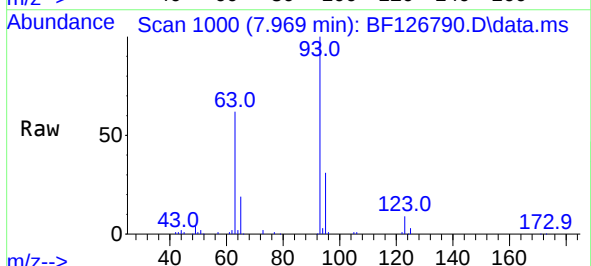
Tgt Ion:122 Resp: 43368
Ion Ratio Lower Upper
122 100
107 123.9 91.2 136.8
121 56.7 44.4 66.6

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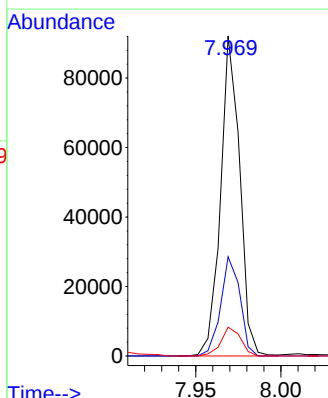
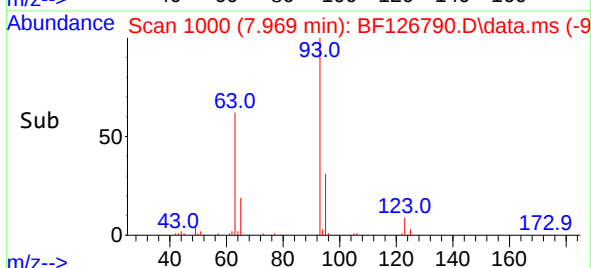
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

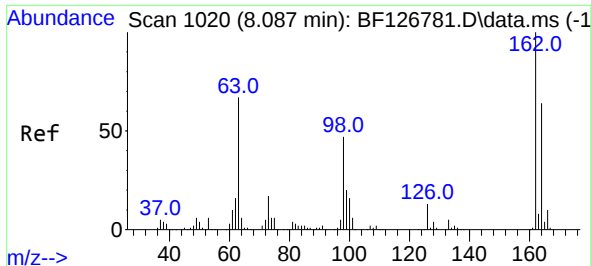


#28
bis(2-Chloroethoxy)methane
Concen: 4.394 ng
RT: 7.969 min Scan# 1000
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



Tgt Ion: 93 Resp: 72034
Ion Ratio Lower Upper
93 100
95 31.0 25.4 38.2
123 9.0 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 4.153 ng

RT: 8.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF126790.D

Acq: 03 Feb 2022 10:27

Instrument :

BNA_F

ClientSampleId :

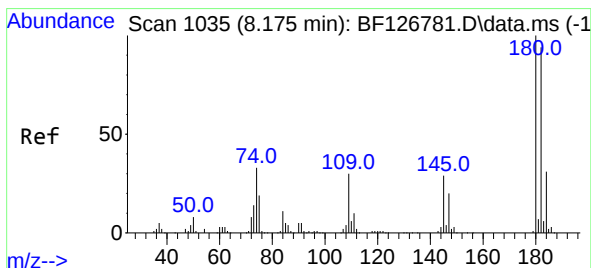
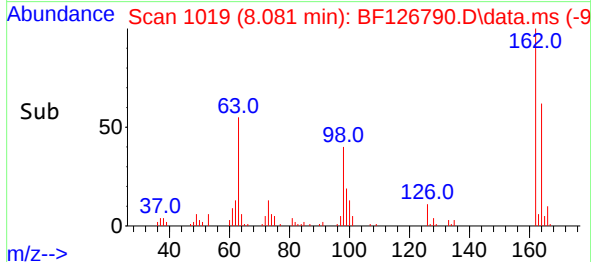
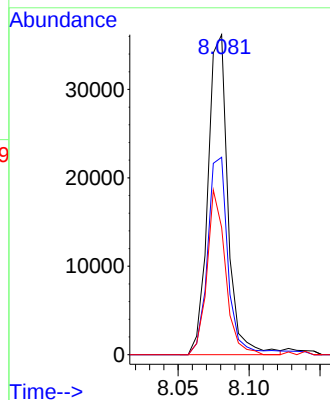
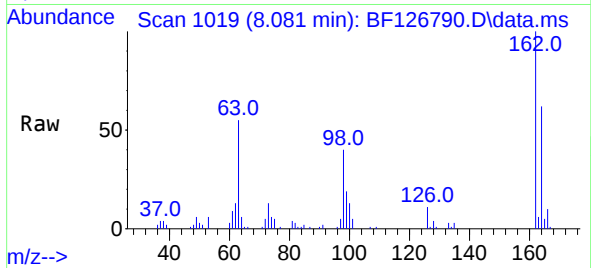
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:162	Resp:	3558
Ion Ratio	Lower	Upper
162	100	
164	61.7	43.8 83.8
98	39.8	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: 4.306 ng

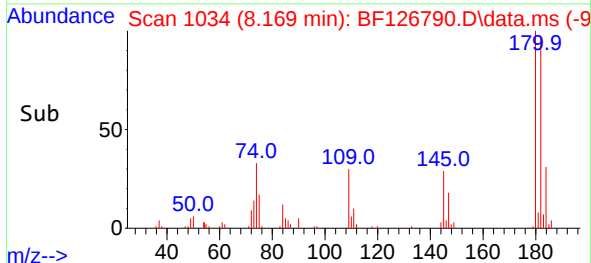
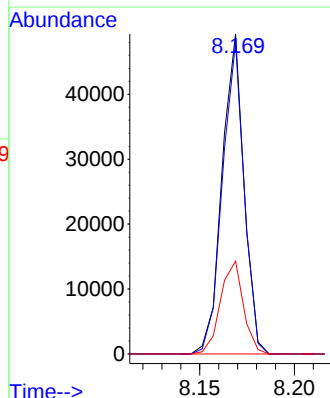
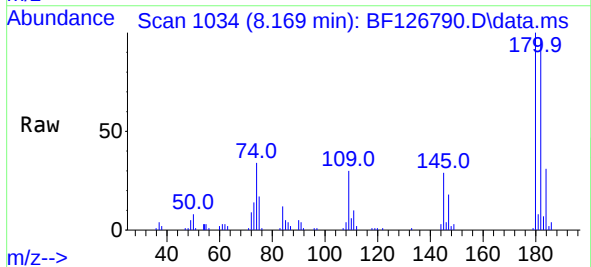
RT: 8.169 min Scan# 1034

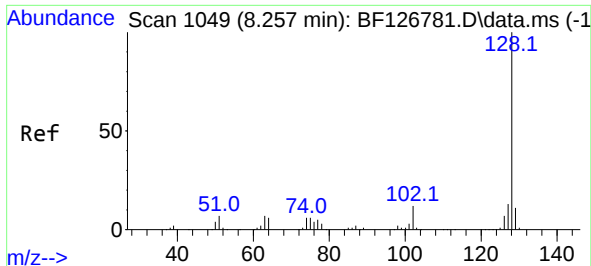
Delta R.T. -0.006 min

Lab File: BF126790.D

Acq: 03 Feb 2022 10:27

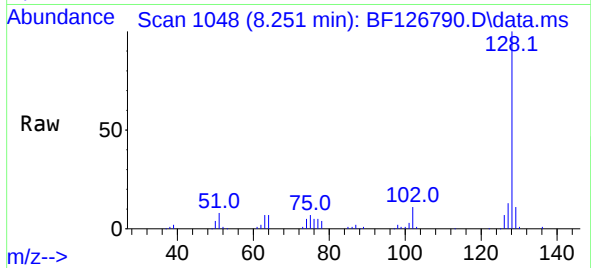
Tgt Ion:180	Resp:	39669
Ion Ratio	Lower	Upper
180	100	
182	97.4	75.5 113.3
145	29.0	26.2 39.2





#31
Naphthalene
Concen: 4.700 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

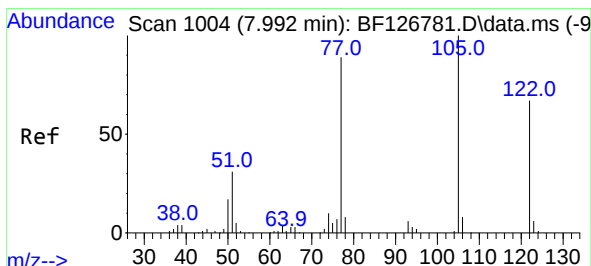
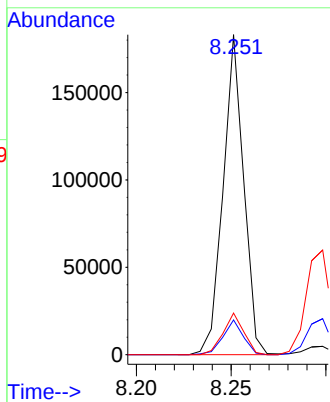
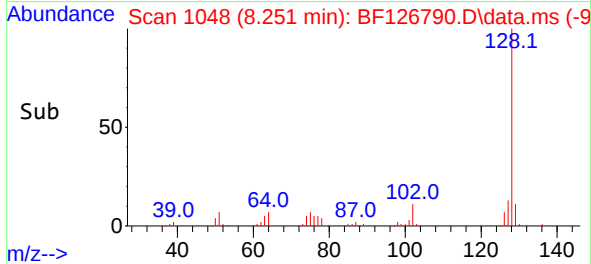
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



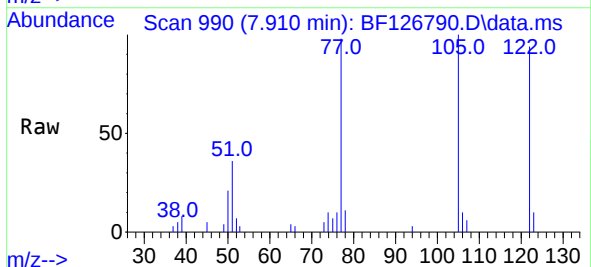
Tgt Ion:128 Resp: 138472
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.0 10.3 15.5

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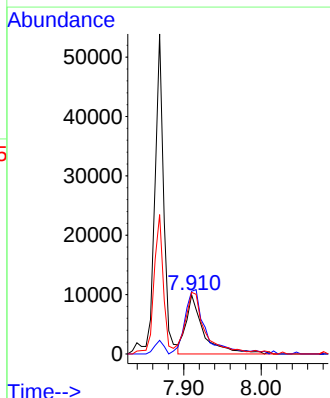
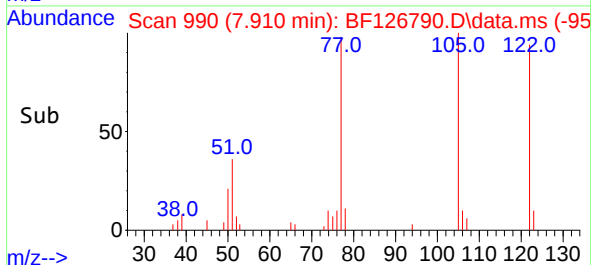
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

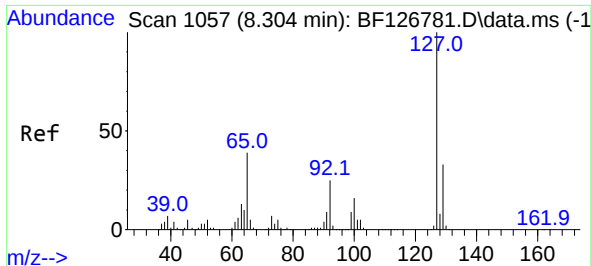


#32
Benzoic acid
Concen: 2.355 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.082 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



Tgt Ion:122 Resp: 15816
Ion Ratio Lower Upper
122 100
105 106.4 101.0 141.0
77 104.4 74.5 114.5





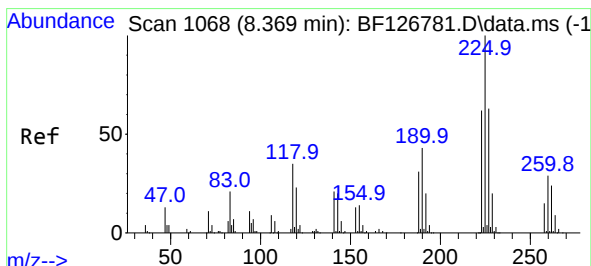
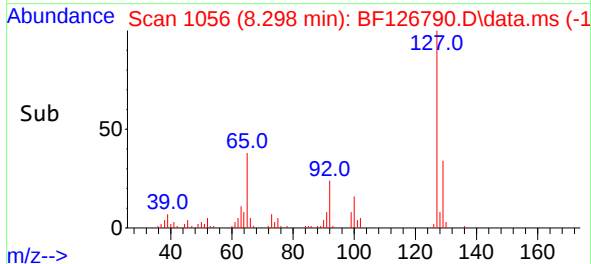
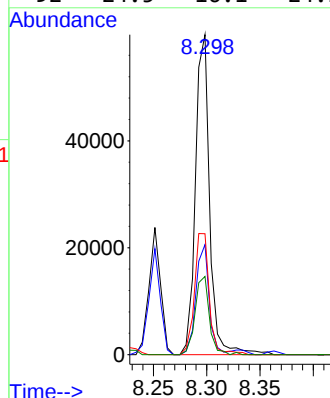
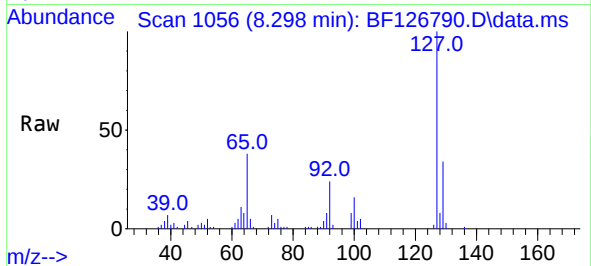
#33
4-Chloroaniline
Concen: 4.687 ng
RT: 8.298 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:	127	Resp:	5578
Ion Ratio	Lower	Upper	
127	100		
129	34.4	26.5	39.7
65	37.8	26.6	39.8
92	24.5	16.1	24.1

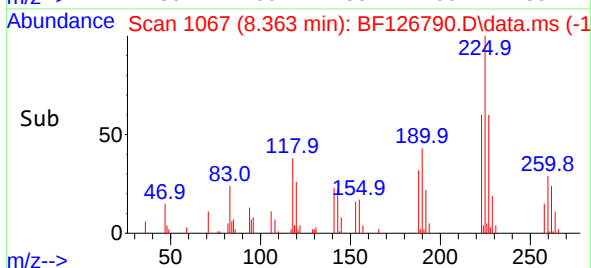
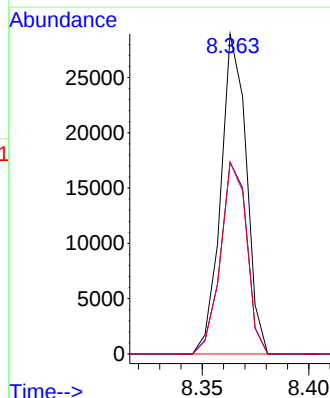
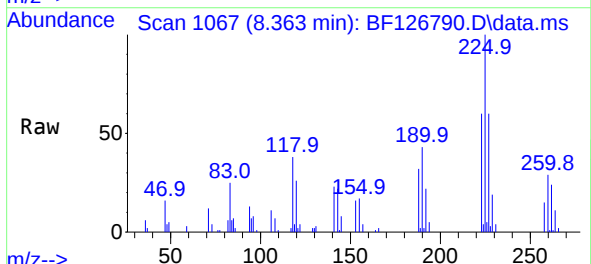
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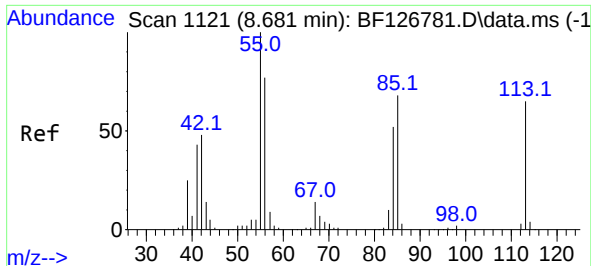
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#34
Hexachlorobutadiene
Concen: 4.172 ng
RT: 8.363 min Scan# 1067
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

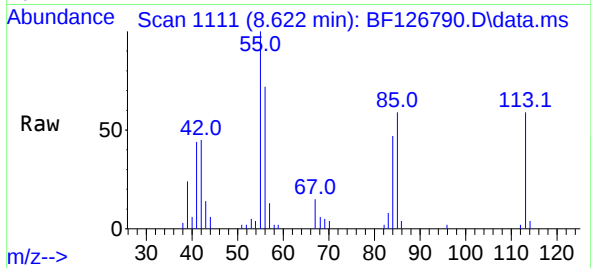
Tgt Ion:	225	Resp:	24089
Ion Ratio	Lower	Upper	
225	100		
223	59.9	48.6	73.0
227	60.0	51.4	77.0





#35
Caprolactam
Concen: 3.776 ng
RT: 8.622 min Scan# 1111
Delta R.T. -0.059 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

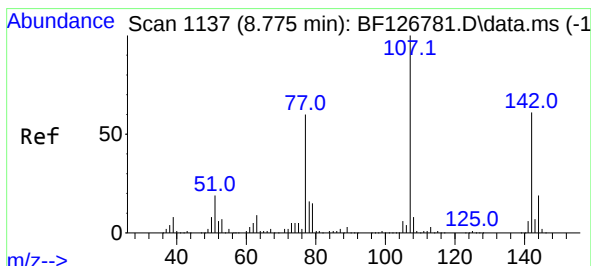
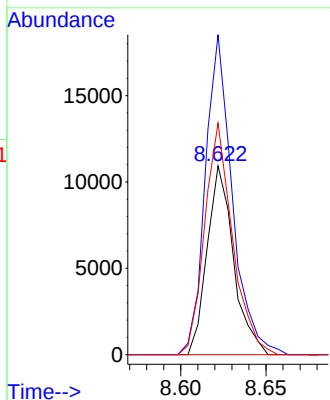
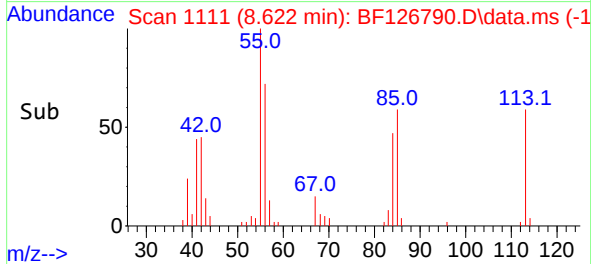
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



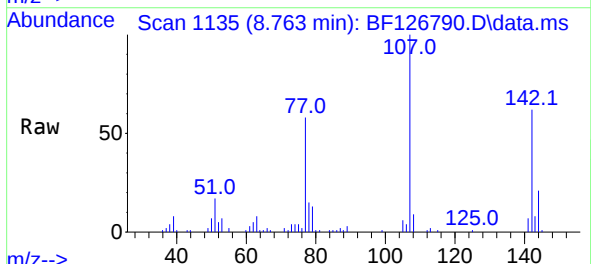
Tgt Ion:113 Resp: 11770
Ion Ratio Lower Upper
113 100
55 169.5 183.9 223.9
56 122.6 129.9 169.9

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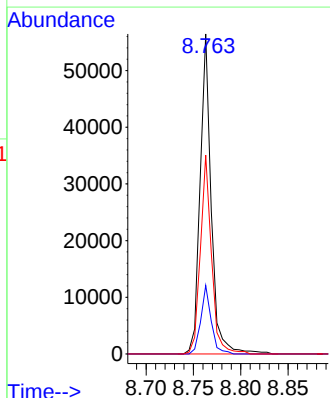
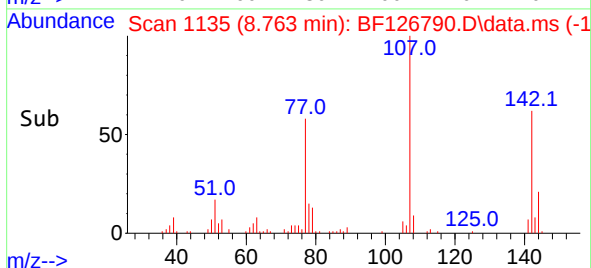
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

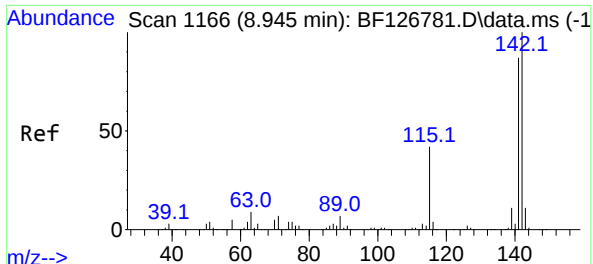


#36
4-Chloro-3-methylphenol
Concen: 4.244 ng
RT: 8.763 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



Tgt Ion:107 Resp: 46339
Ion Ratio Lower Upper
107 100
144 21.4 18.5 27.7
142 62.1 58.1 87.1





#37

2-Methylnaphthalene

Concen: 4.889 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF126790.D

Acq: 03 Feb 2022 10:27

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:142 Resp: 88740

Ion Ratio Lower Upper

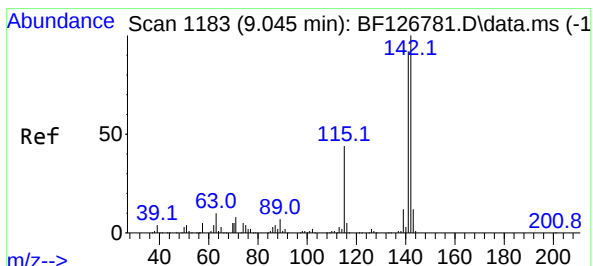
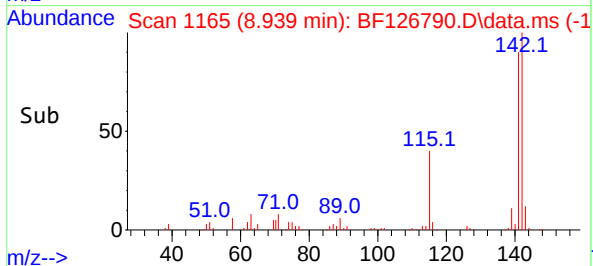
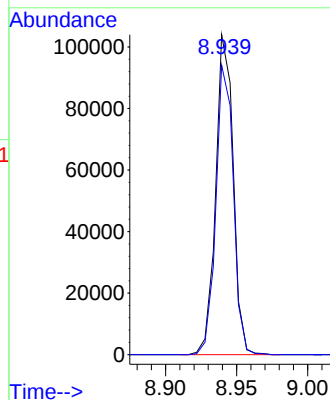
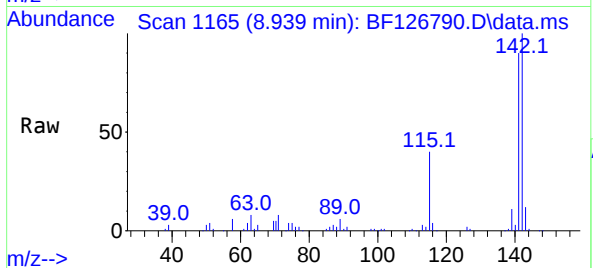
142 100

141 90.4 68.6 102.8

Manual Integrations

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



#38

1-Methylnaphthalene

Concen: 4.782 ng

RT: 9.039 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF126790.D

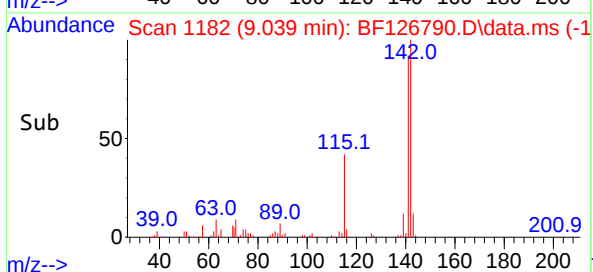
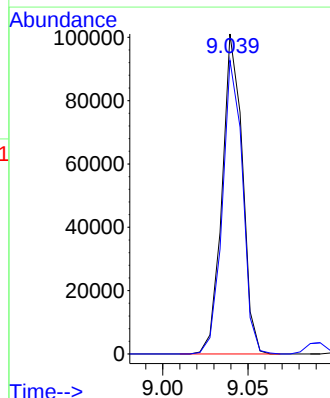
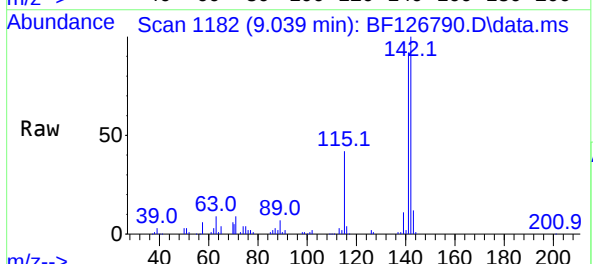
Acq: 03 Feb 2022 10:27

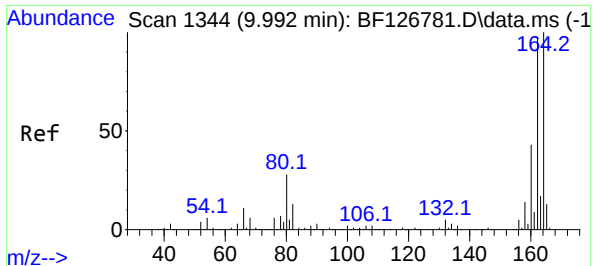
Tgt Ion:142 Resp: 83567

Ion Ratio Lower Upper

142 100

141 91.7 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: BF126790.D

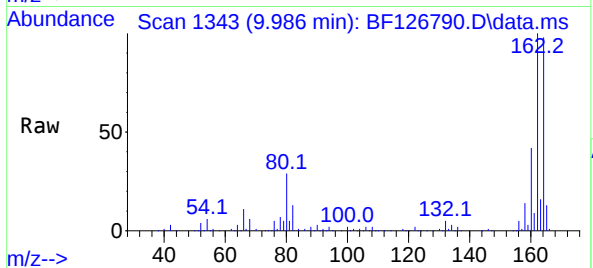
Acq: 03 Feb 2022 10:27

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:164 Resp: 31654

Ion Ratio Lower Upper

164 100

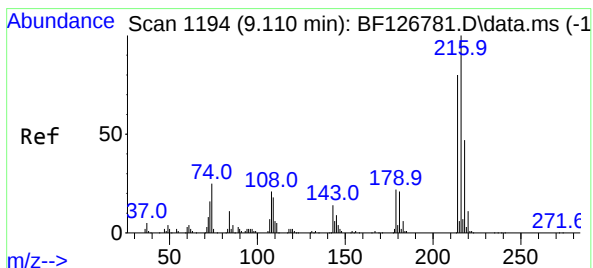
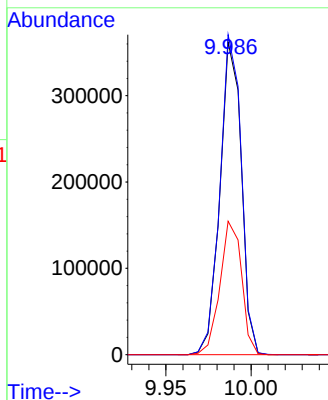
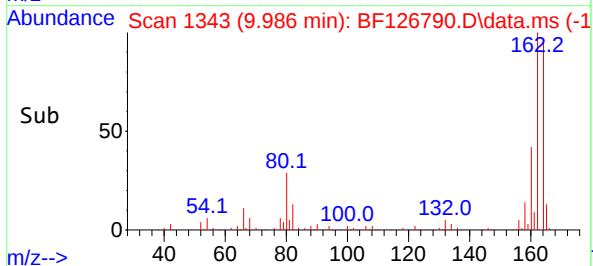
162 102.4 81.4 122.0

160 42.7 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: 4.357 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF126790.D

Acq: 03 Feb 2022 10:27

Tgt Ion:216 Resp: 39713

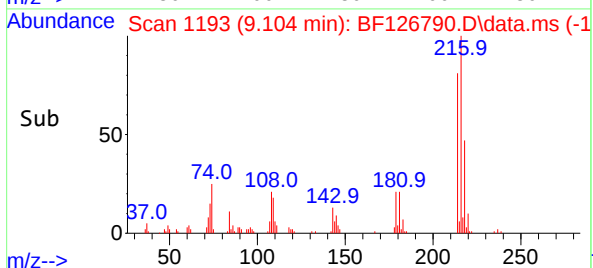
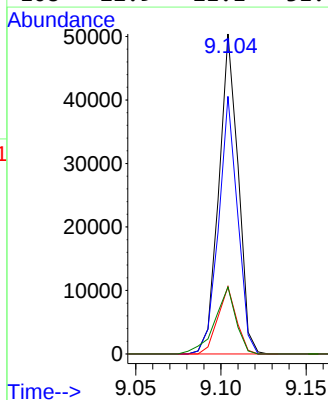
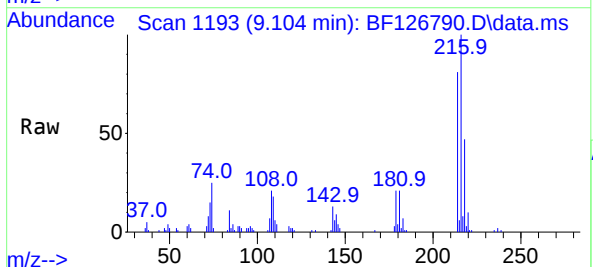
Ion Ratio Lower Upper

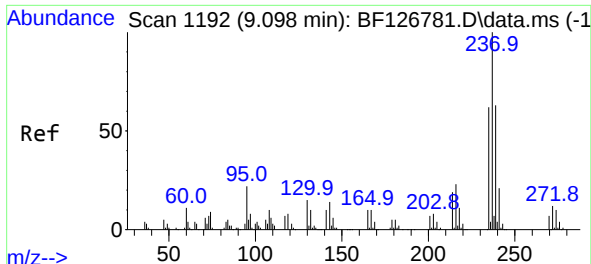
216 100

214 78.7 64.6 96.8

179 20.3 19.5 29.3

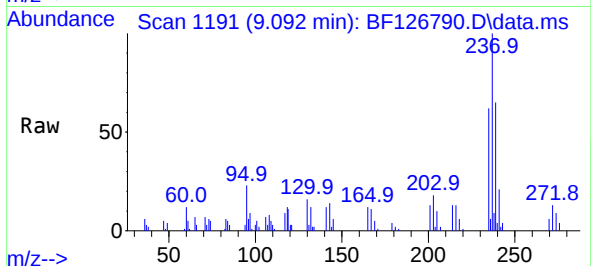
108 22.9 21.1 31.7





#41
Hexachlorocyclopentadiene
Concen: 4.327 ng
RT: 9.092 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

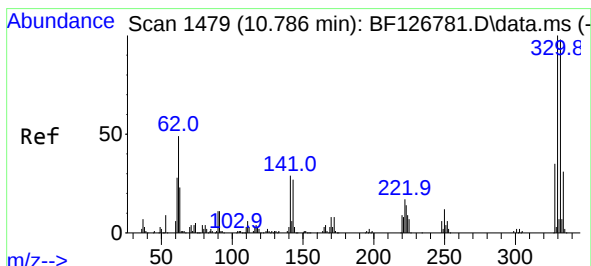
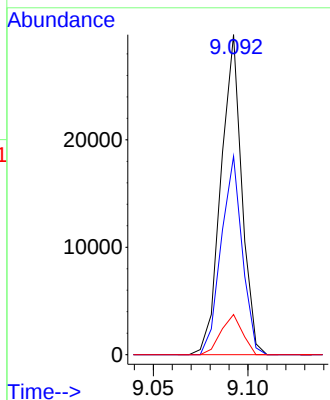
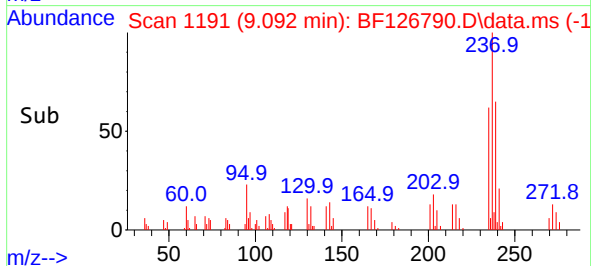
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



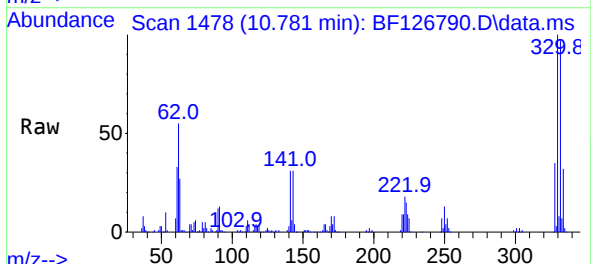
Tgt Ion:237 Resp: 2273
Ion Ratio Lower Upper
237 100
235 62.0 38.9 78.9
272 12.5 0.0 33.5

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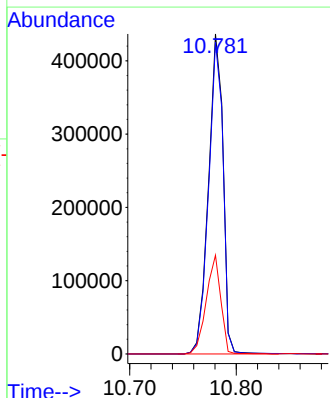
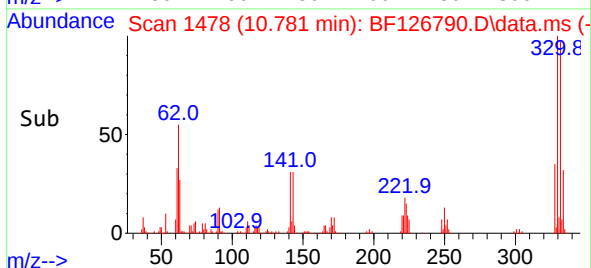
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

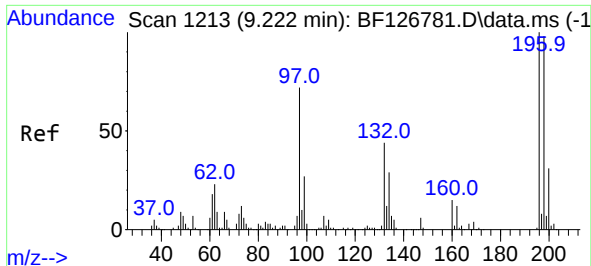


#42
2,4,6-Tribromophenol
Concen: 126.260 ng
RT: 10.781 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



Tgt Ion:330 Resp: 414792
Ion Ratio Lower Upper
330 100
332 97.4 76.0 114.0
141 31.0 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 4.104 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF126790.D

Acq: 03 Feb 2022 10:27

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:196 Resp: 26349

Ion Ratio Lower Upper

196 100

198 96.2 78.5 117.7

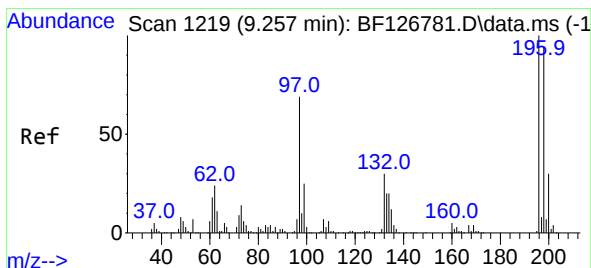
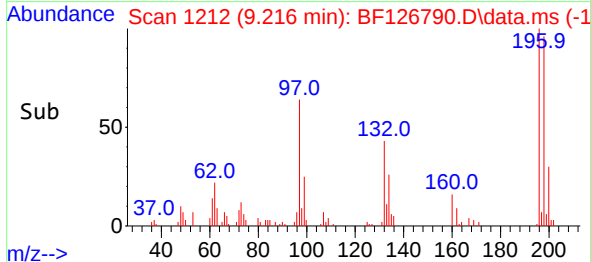
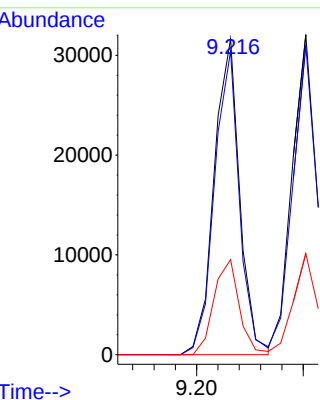
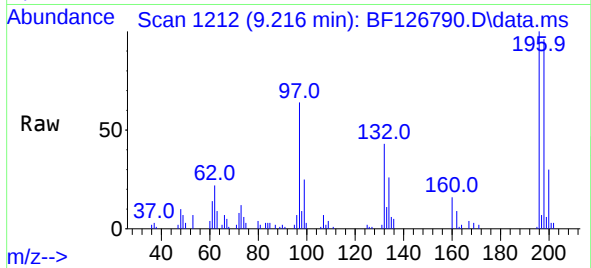
200 30.1 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2022

Supervised By :mohammad ahmed 02/10/2022



#44

2,4,5-Trichlorophenol

Concen: 4.145 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF126790.D

Acq: 03 Feb 2022 10:27

Tgt Ion:196 Resp: 27786

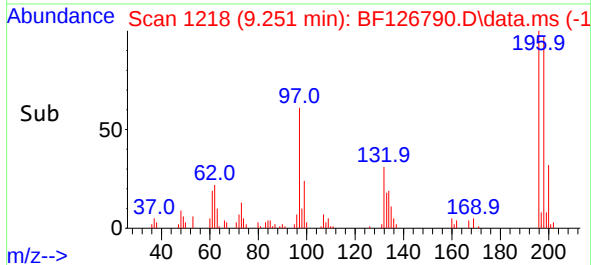
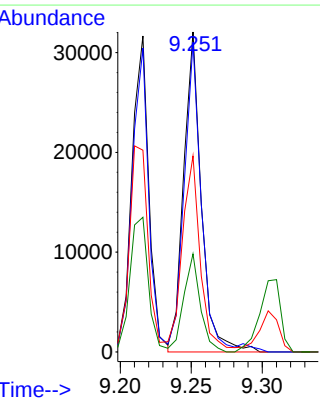
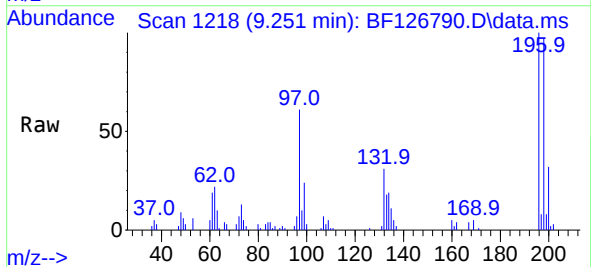
Ion Ratio Lower Upper

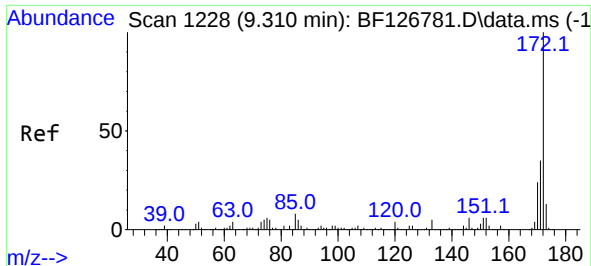
196 100

198 96.8 82.0 123.0

97 61.3 53.5 80.3

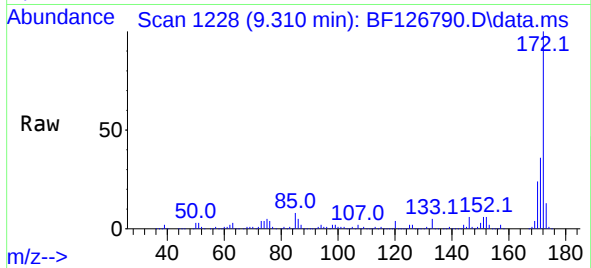
132 30.6 28.7 43.1





#45
2-Fluorobiphenyl
Concen: 79.483 ng
RT: 9.310 min Scan# 1228
Delta R.T. 0.000 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

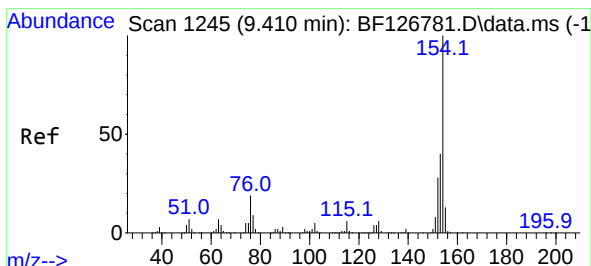
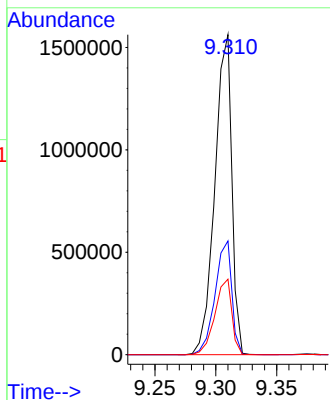
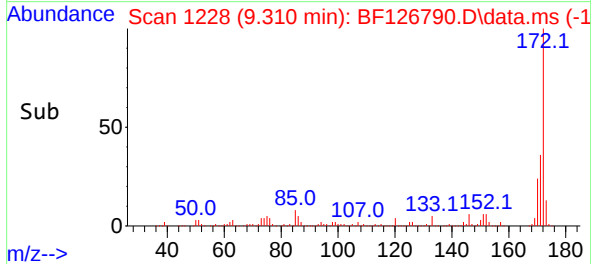
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



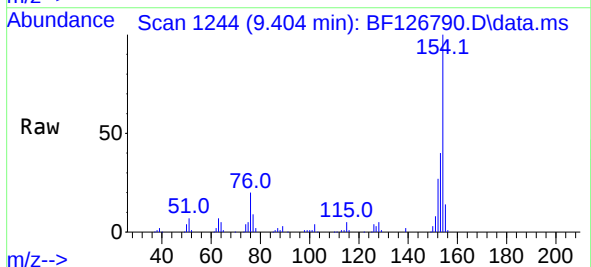
Tgt Ion:172 Resp: 1519470
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.6 19.0 28.6

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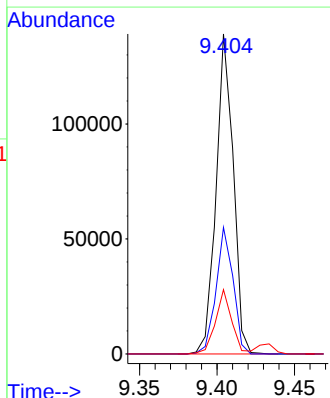
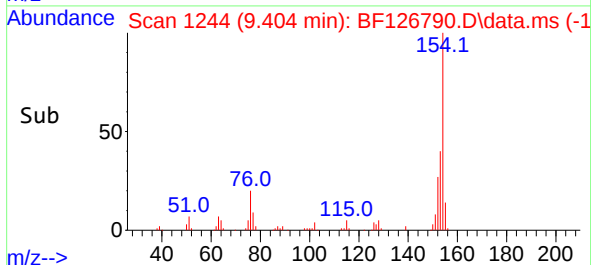
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

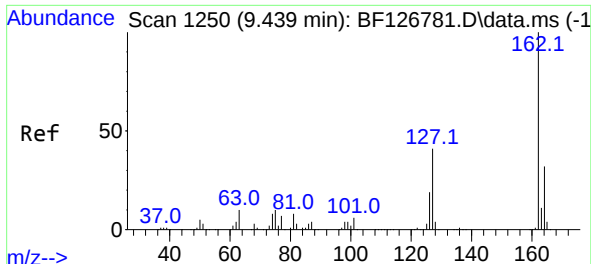


#46
1,1'-Biphenyl
Concen: 4.619 ng
RT: 9.404 min Scan# 1244
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



Tgt Ion:154 Resp: 107072
Ion Ratio Lower Upper
154 100
153 39.6 19.0 59.0
76 20.1 0.0 34.5





#47

2-Chloronaphthalene

Concen: 4.584 ng

RT: 9.434 min Scan# 1250

Delta R.T. -0.006 min

Lab File: BF126790.D

Acq: 03 Feb 2022 10:27

Instrument :

BNA_F

ClientSampleId :

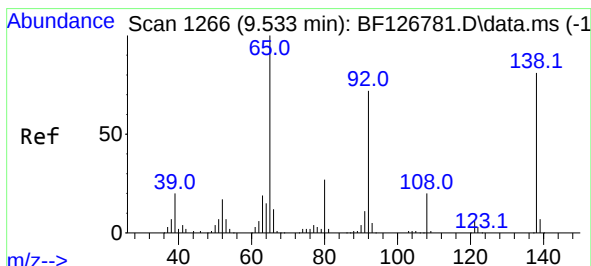
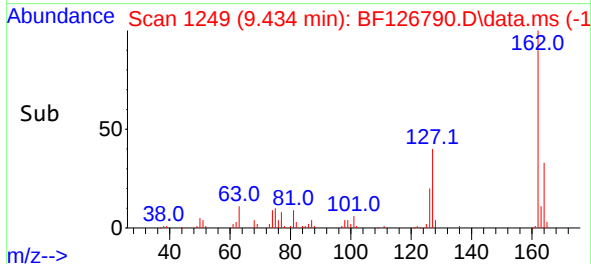
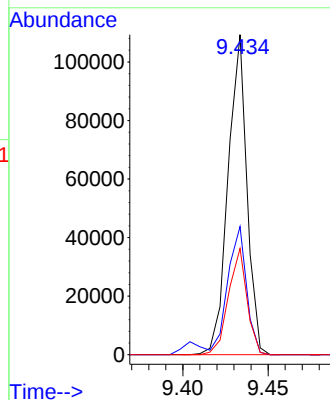
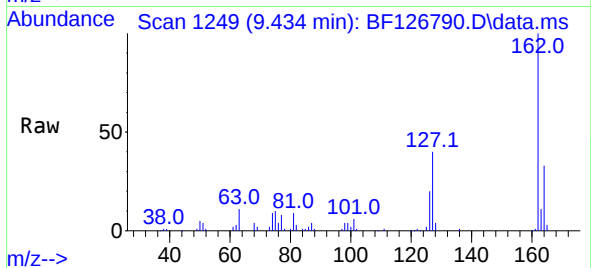
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:162	Resp:	8424
Ion Ratio	Lower	Upper
162	100	
127	40.1	33.5 50.3
164	33.2	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: 4.098 ng

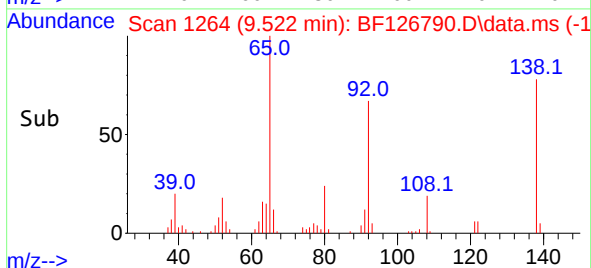
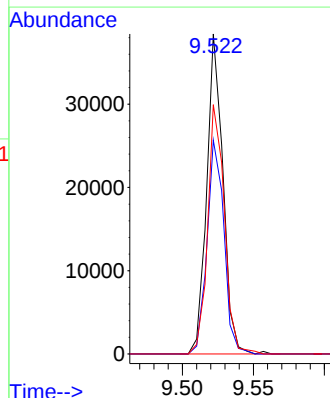
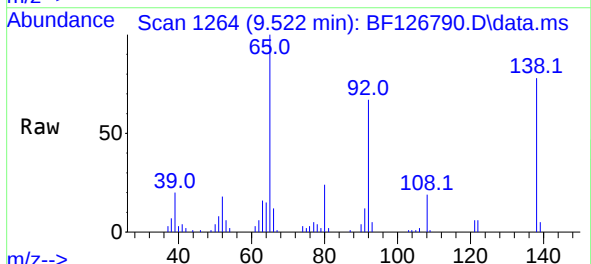
RT: 9.522 min Scan# 1264

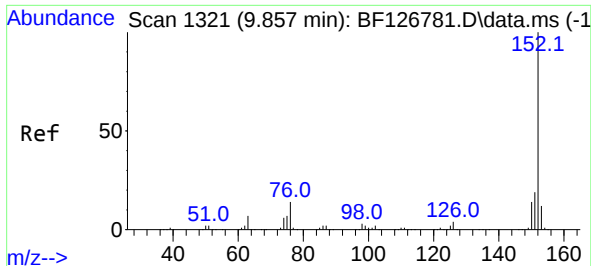
Delta R.T. -0.012 min

Lab File: BF126790.D

Acq: 03 Feb 2022 10:27

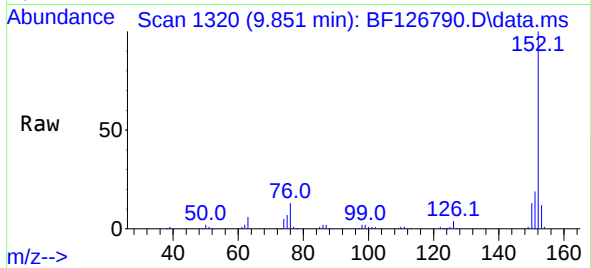
Tgt Ion: 65	Resp:	30705
Ion Ratio	Lower	Upper
65	100	
92	66.8	54.4 81.6
138	77.9	72.5 108.7





#49
Acenaphthylene
Concen: 4.772 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

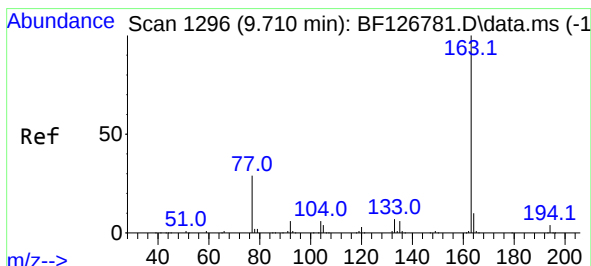
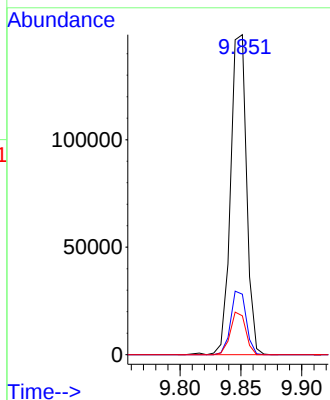
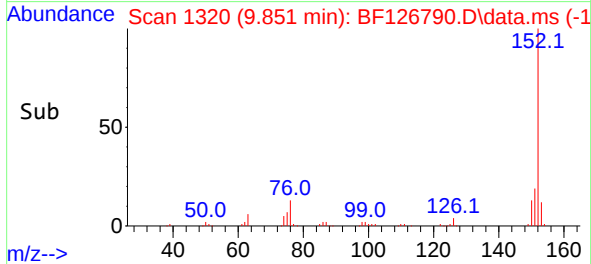
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



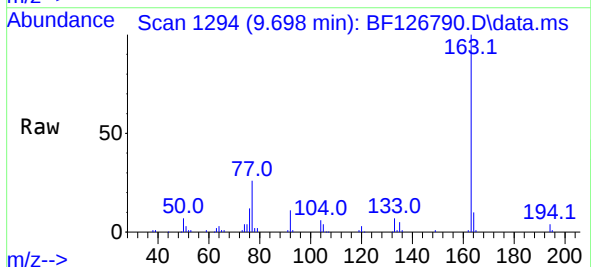
Tgt Ion:152 Resp: 135398
Ion Ratio Lower Upper
152 100
151 18.9 15.7 23.5
153 12.2 11.4 17.0

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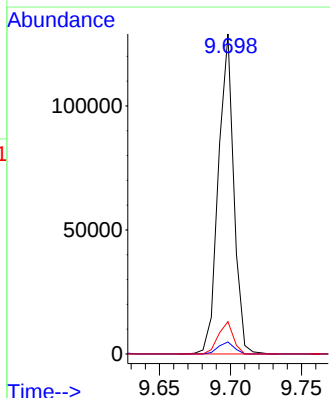
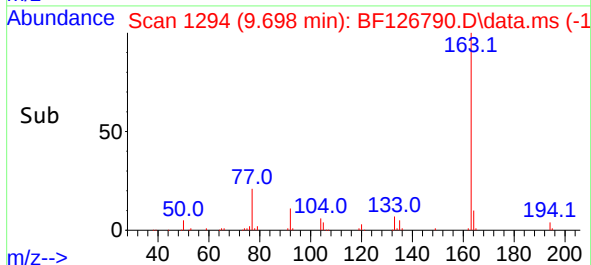
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

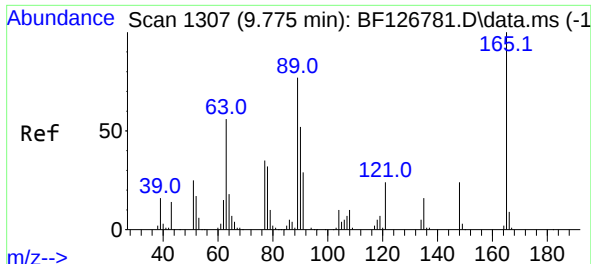


#50
Dimethylphthalate
Concen: 4.450 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



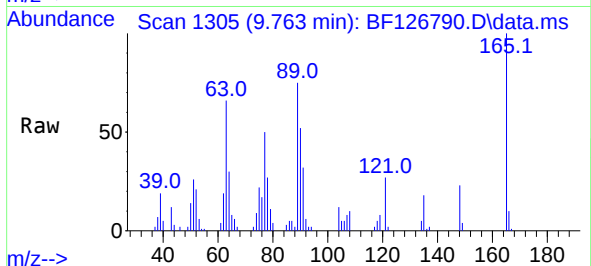
Tgt Ion:163 Resp: 97365
Ion Ratio Lower Upper
163 100
194 3.8 2.6 3.8
164 10.1 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 4.371 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

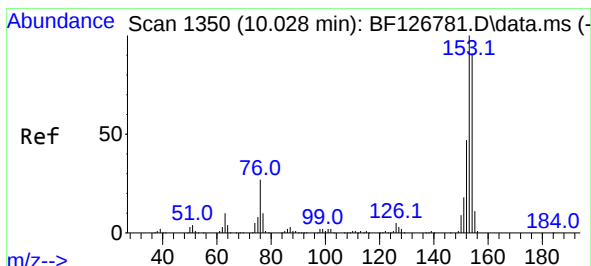
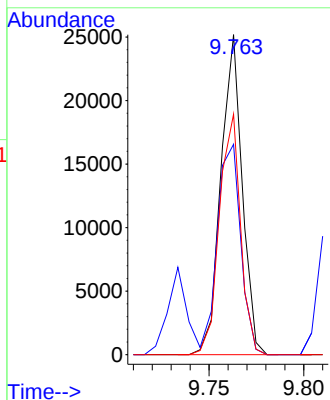
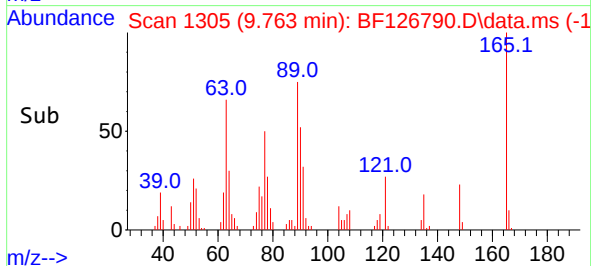
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



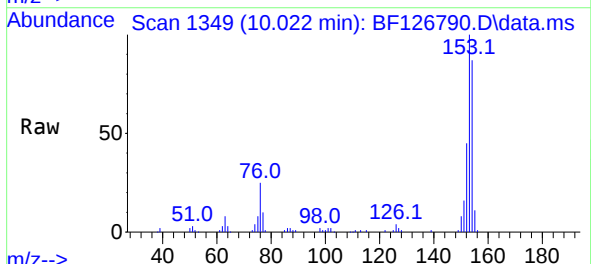
Tgt Ion:165 Resp: 19644
Ion Ratio Lower Upper
165 100
63 65.8 48.4 72.6
89 75.1 50.5 75.7

Manual Integrations
APPROVED

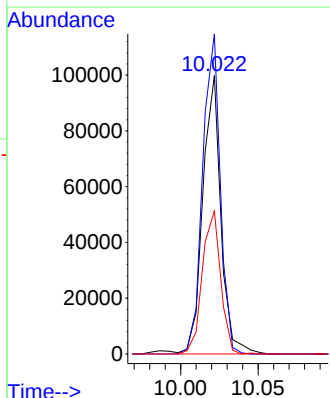
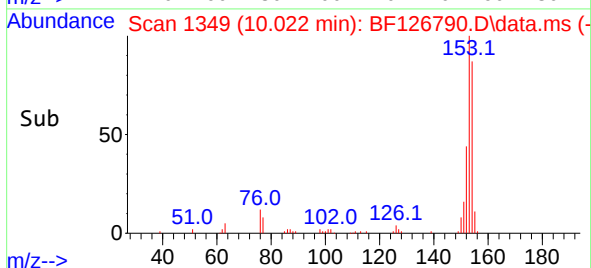
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

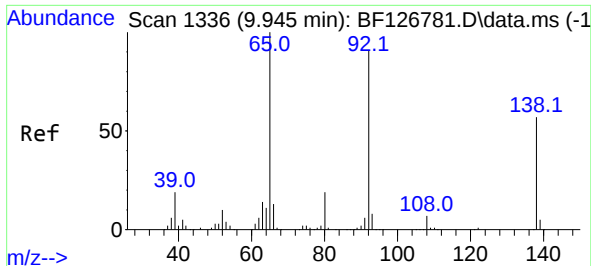


#52
Acenaphthene
Concen: 4.464 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



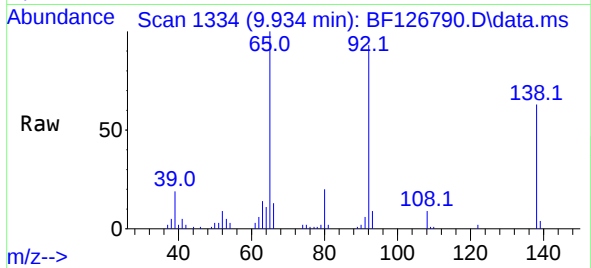
Tgt Ion:154 Resp: 80765
Ion Ratio Lower Upper
154 100
153 115.0 87.8 131.6
152 51.4 39.4 59.2





#53
3-Nitroaniline
Concen: 4.289 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

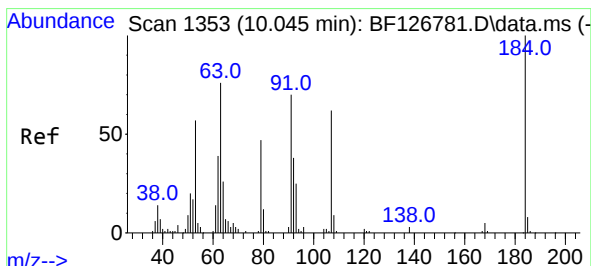
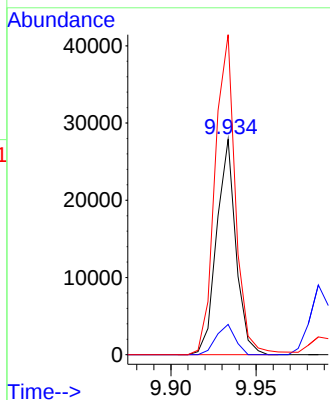
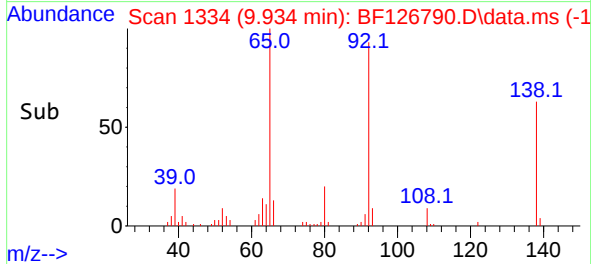
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:138 Resp: 2196
Ion Ratio Lower Upper
138 100
108 14.0 8.6 13.0
92 148.5 105.0 157.6

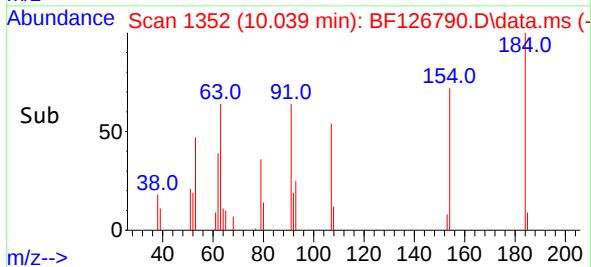
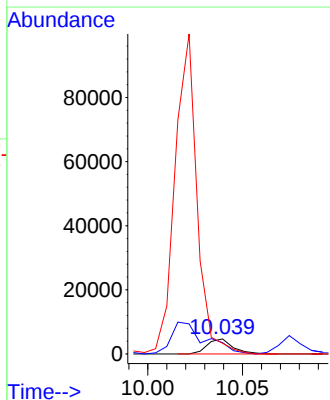
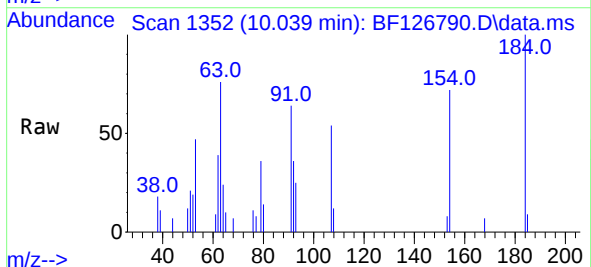
Manual Integrations
APPROVED

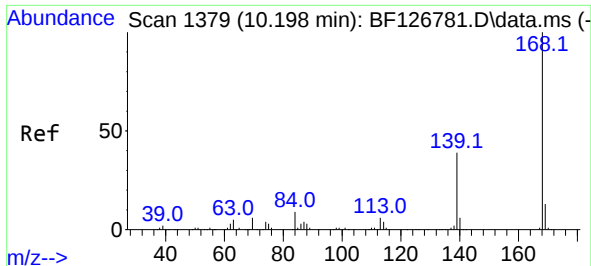
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#54
2,4-Dinitrophenol
Concen: 1.849 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

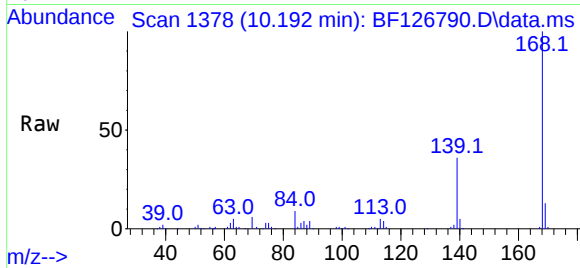
Tgt Ion:184 Resp: 4378
Ion Ratio Lower Upper
184 100
63 76.1 70.4 105.6
154 71.5 49.7 74.5





#55
Dibenzenofuran
Concen: 4.585 ng
RT: 10.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

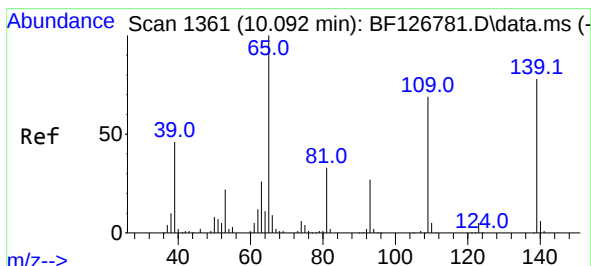
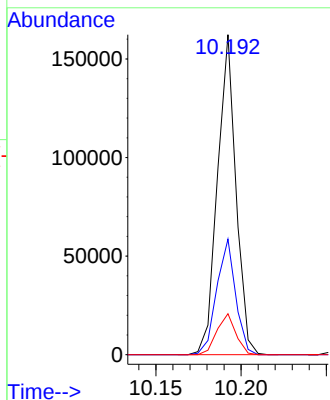
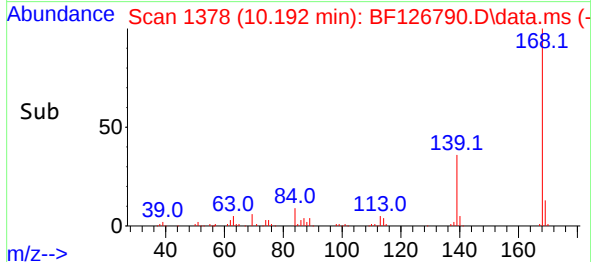
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



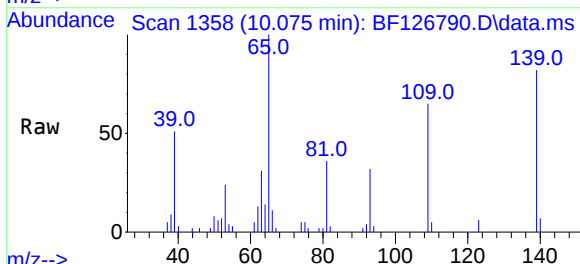
Tgt Ion:168 Resp: 12244
Ion Ratio Lower Upper
168 100
139 36.1 30.6 46.0
169 12.8 10.0 15.0

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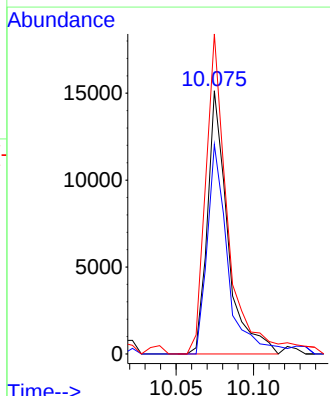
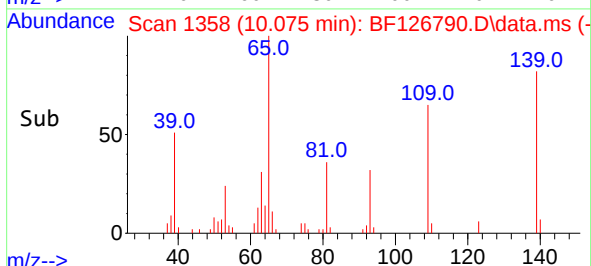
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

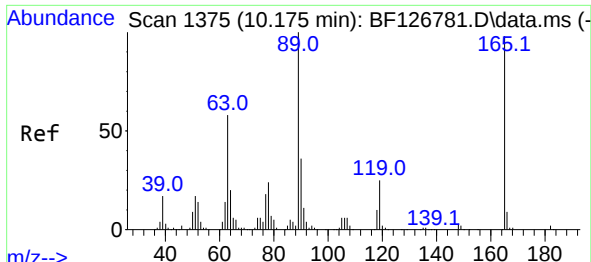


#56
4-Nitrophenol
Concen: 3.560 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.018 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



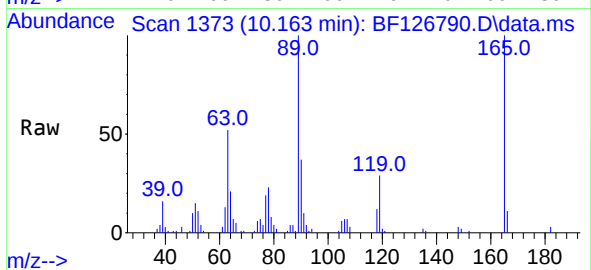
Tgt Ion:139 Resp: 13810
Ion Ratio Lower Upper
139 100
109 79.5 44.1 84.1
65 121.5 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 4.241 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

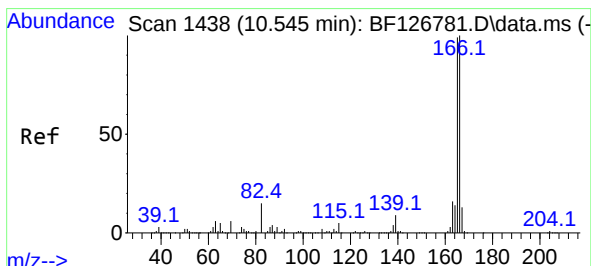
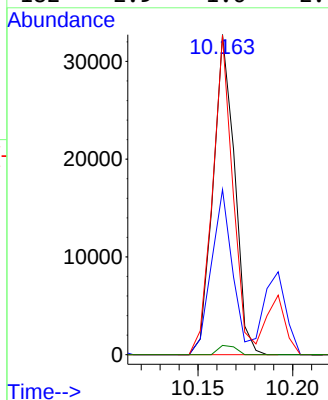
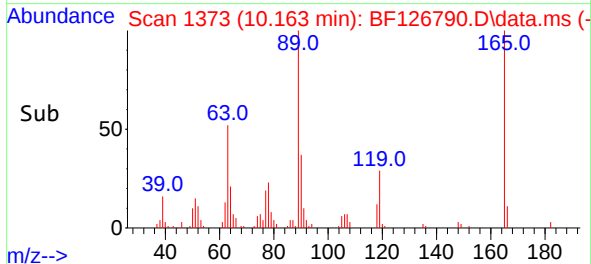
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:165 Resp: 2583
Ion Ratio Lower Upper
165 100
63 51.6 43.0 64.6
89 99.7 71.0 106.4
182 2.9 1.6 2.4#

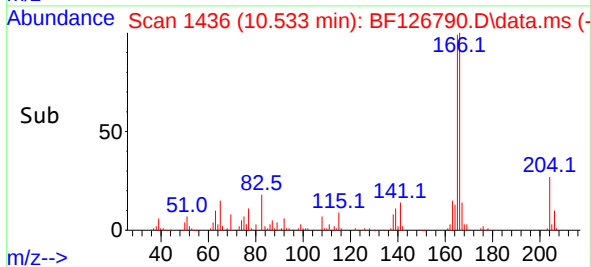
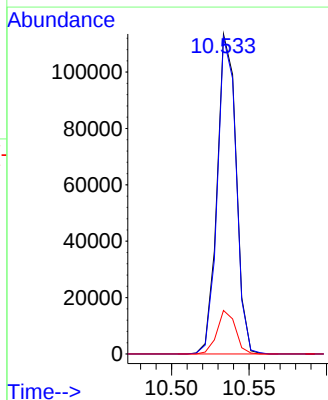
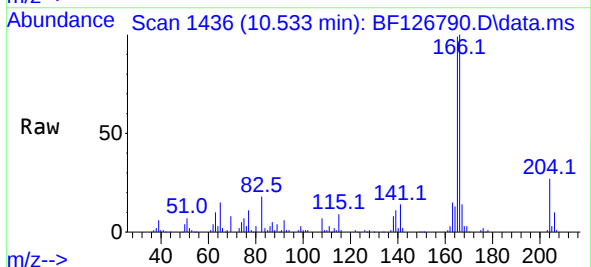
Manual Integrations
APPROVED

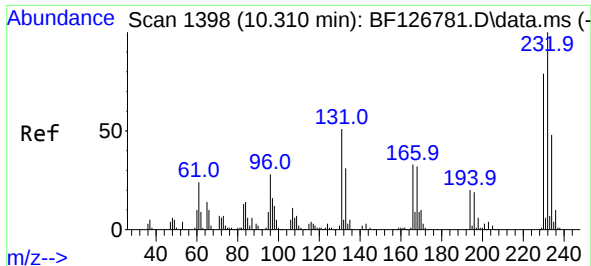
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#58
Fluorene
Concen: 4.907 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

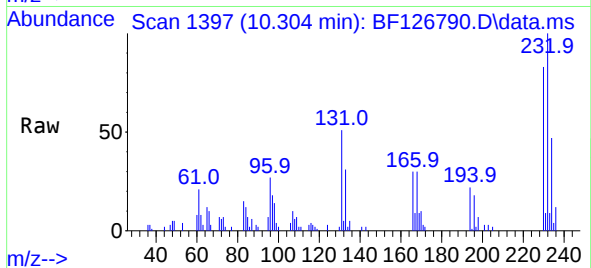
Tgt Ion:166 Resp: 96953
Ion Ratio Lower Upper
166 100
165 99.0 77.7 116.5
167 13.6 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.825 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

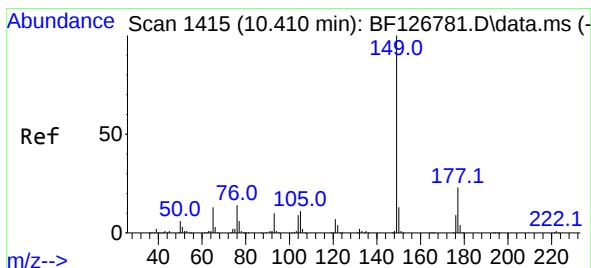
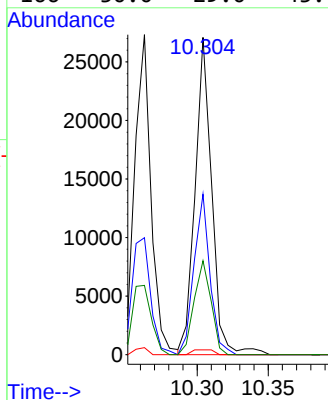
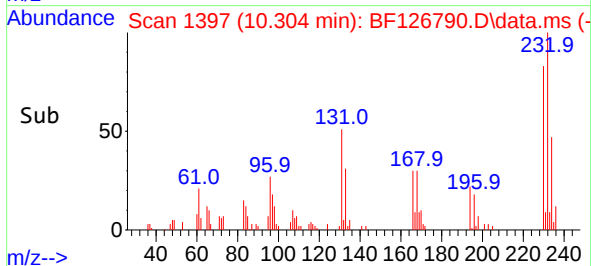
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



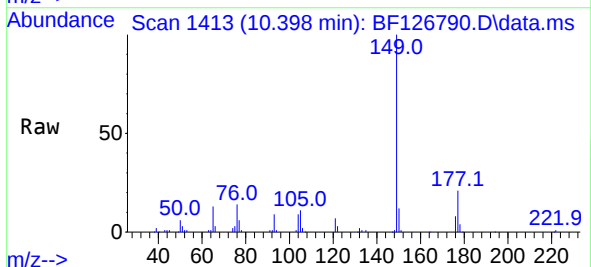
Tgt Ion:232 Resp: 2219
Ion Ratio Lower Upper
232 100
131 48.5 50.0 75.0
130 2.0 2.2 3.2
166 30.0 29.0 43.4

Manual Integrations
APPROVED

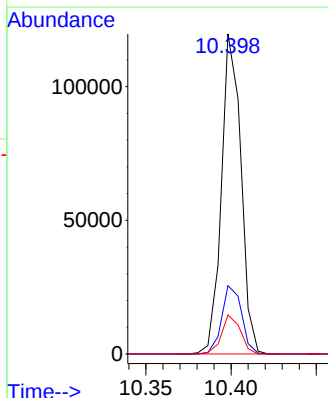
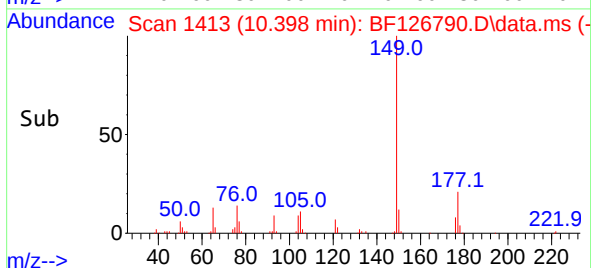
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

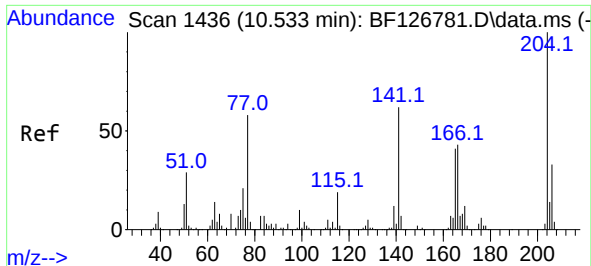


#60
Diethylphthalate
Concen: 4.433 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



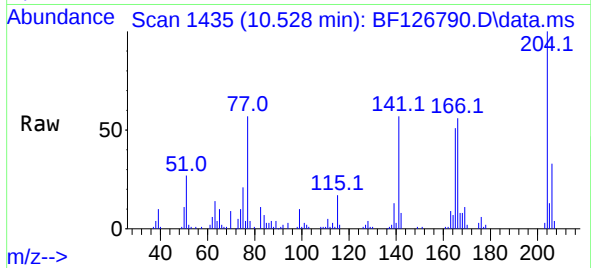
Tgt Ion:149 Resp: 95311
Ion Ratio Lower Upper
149 100
177 21.4 16.7 25.1
150 12.2 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 4.698 ng
RT: 10.528 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

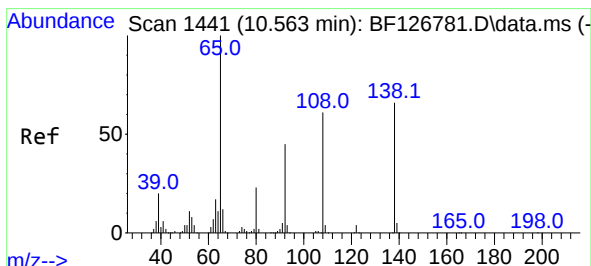
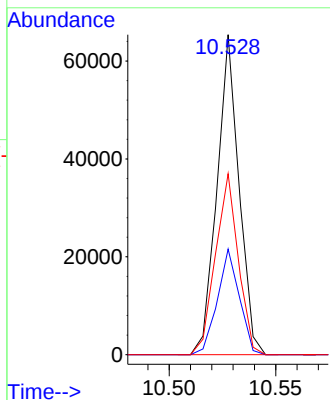
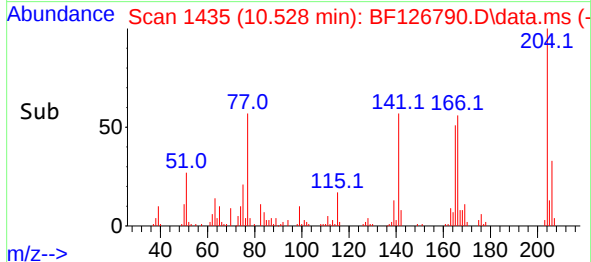
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



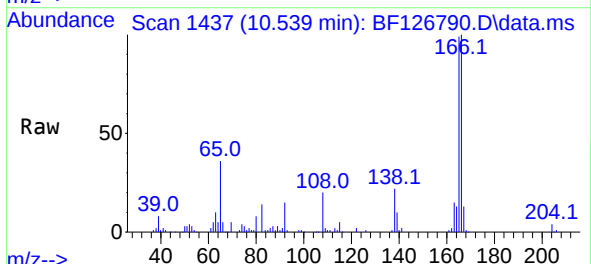
Tgt Ion:204 Resp: 46954
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 56.5 59.0 88.6

Manual Integrations
APPROVED

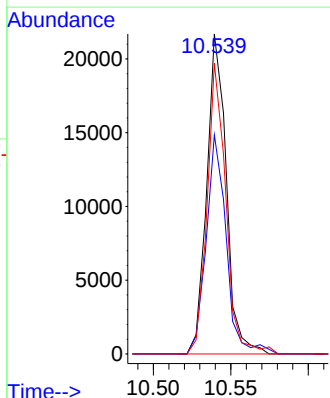
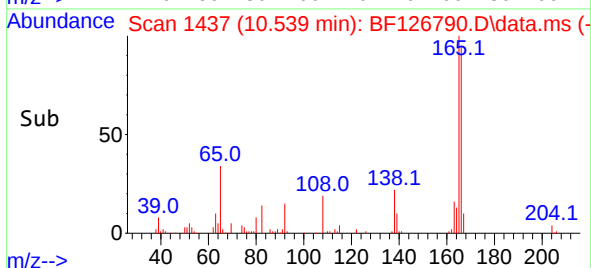
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

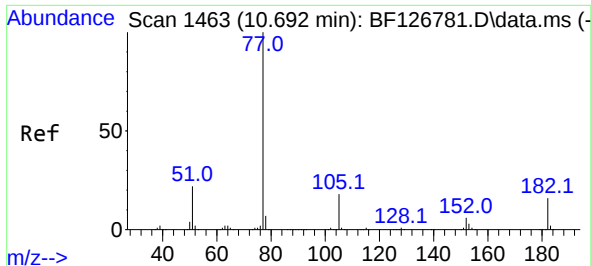


#62
4-Nitroaniline
Concen: 3.914 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.023 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



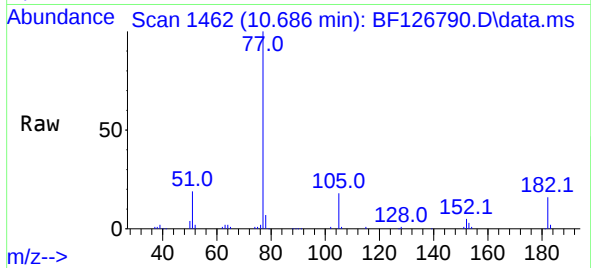
Tgt Ion:138 Resp: 19023
Ion Ratio Lower Upper
138 100
92 68.4 36.2 76.2
108 90.8 46.7 86.7#





#63
Azobenzene
Concen: 4.568 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

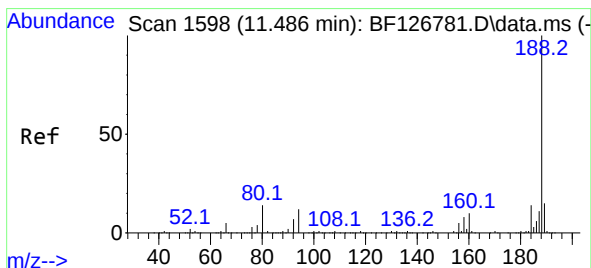
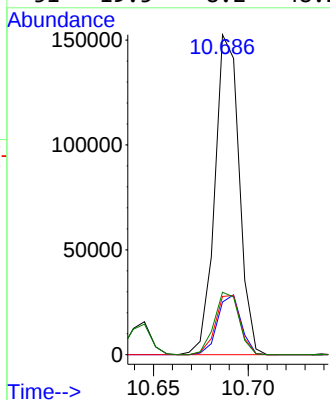
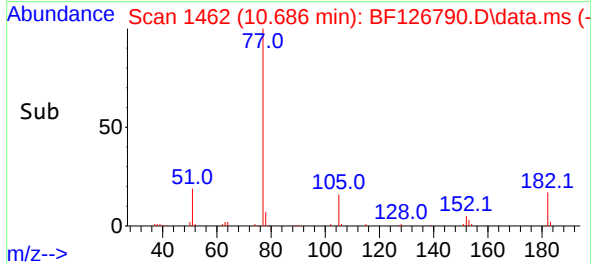
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



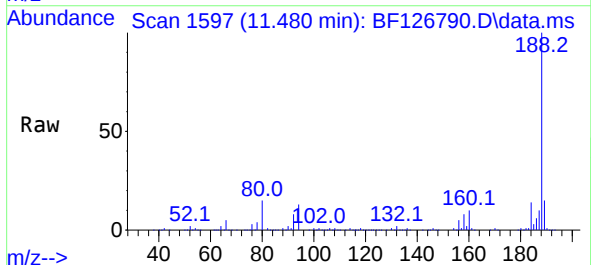
Tgt Ion: 77 Resp: 136278
Ion Ratio Lower Upper
77 100
182 16.5 0.0 39.0
105 18.2 3.2 43.2
51 19.5 8.2 48.2

Manual Integrations
APPROVED

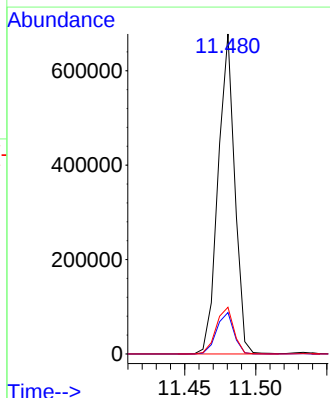
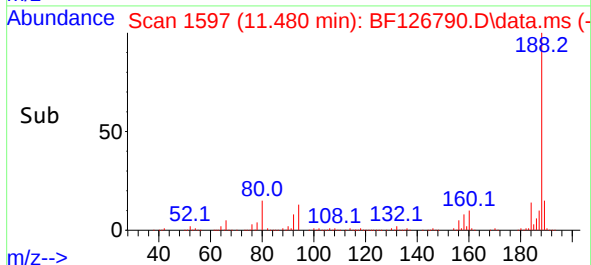
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

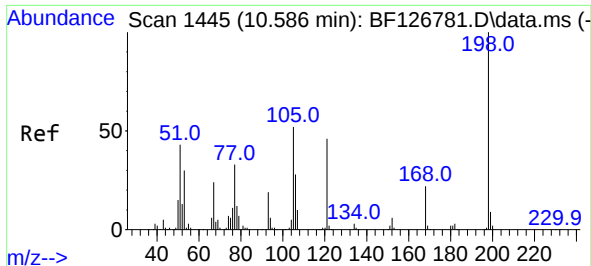


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



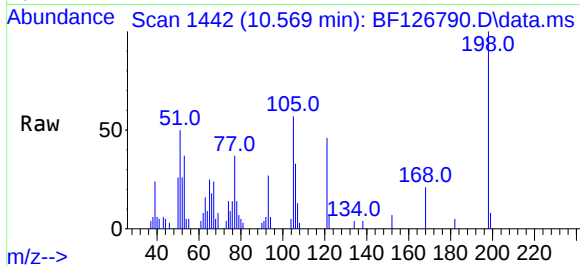
Tgt Ion:188 Resp: 552645
Ion Ratio Lower Upper
188 100
94 13.0 10.1 15.1
80 14.6 11.8 17.6





#65
4,6-Dinitro-2-methylphenol
Concen: 2.548 ng
RT: 10.569 min Scan# 1445
Delta R.T. -0.018 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

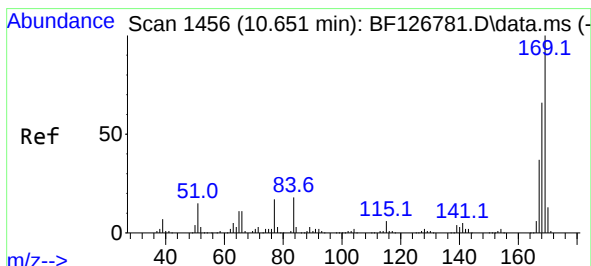
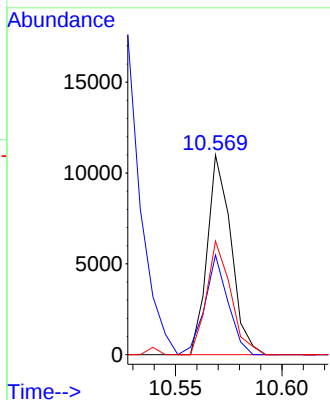
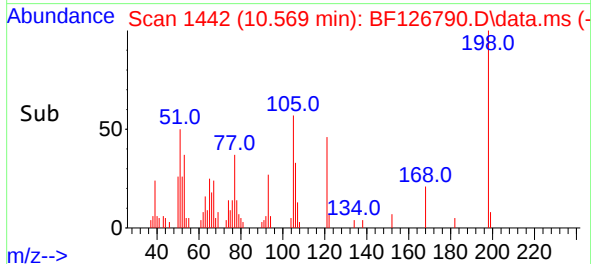
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



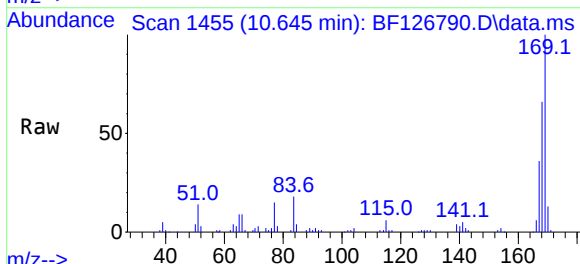
Tgt Ion:198 Resp: 854
Ion Ratio Lower Upper
198 100
51 49.9 32.0 72.0
105 56.9 32.7 72.7

Manual Integrations
APPROVED

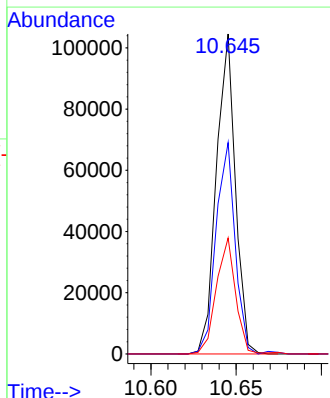
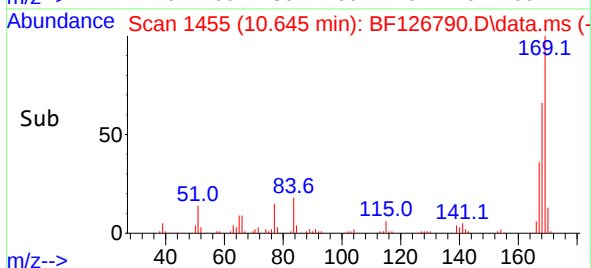
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

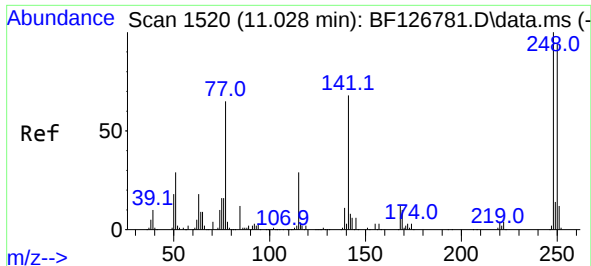


#66
n-Nitrosodiphenylamine
Concen: 4.566 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



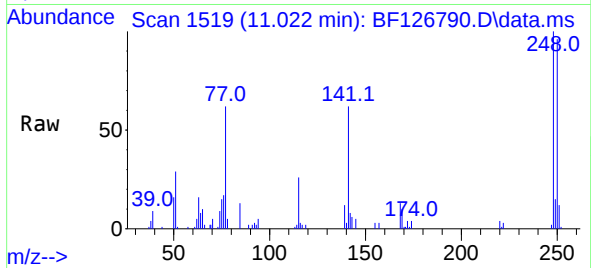
Tgt Ion:169 Resp: 81141
Ion Ratio Lower Upper
169 100
168 66.0 53.4 80.0
167 36.2 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 4.241 ng
RT: 11.022 min Scan# 1519
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

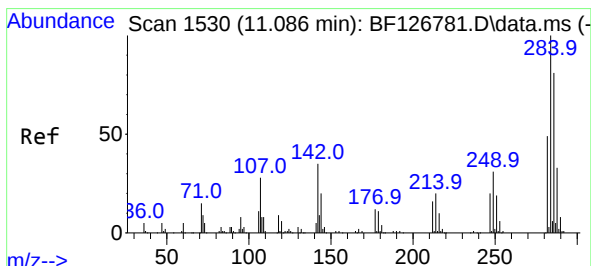
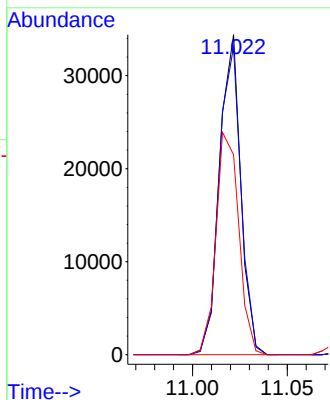
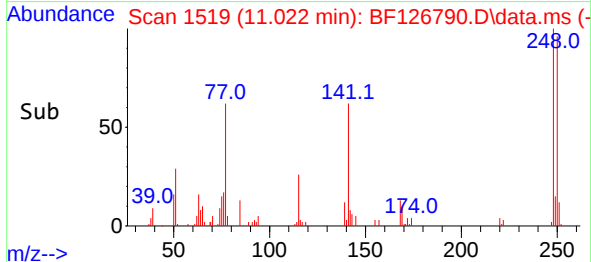
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



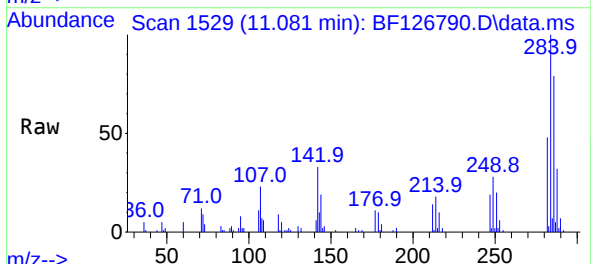
Tgt Ion:248 Resp: 26820
Ion Ratio Lower Upper
248 100
250 96.2 76.2 114.4
141 62.5 66.2 99.4

Manual Integrations
APPROVED

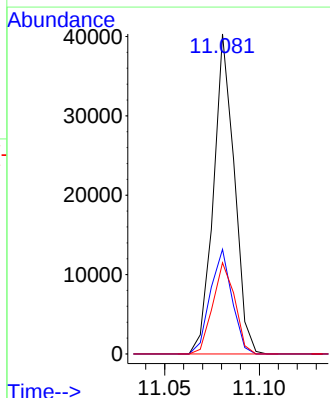
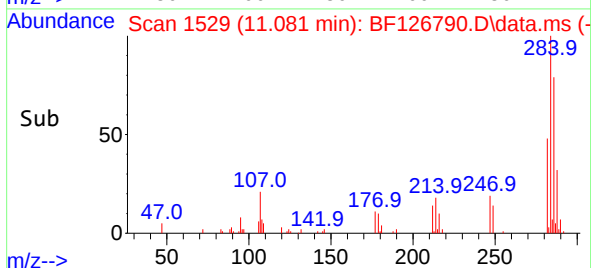
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

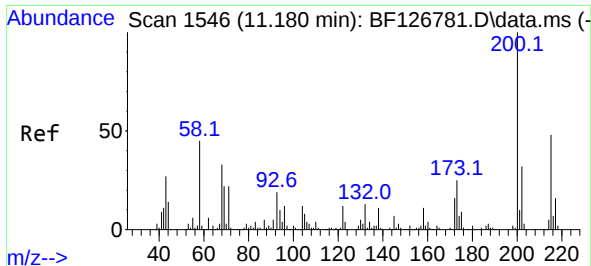


#68
Hexachlorobenzene
Concen: 4.453 ng
RT: 11.081 min Scan# 1529
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



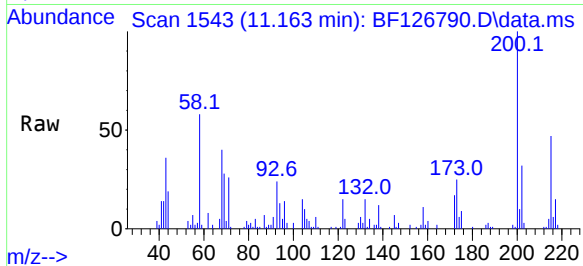
Tgt Ion:284 Resp: 30822
Ion Ratio Lower Upper
284 100
142 32.7 30.7 46.1
249 28.5 21.1 31.7





#69
Atrazine
Concen: 4.421 ng
RT: 11.163 min Scan# 1116
Delta R.T. -0.018 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

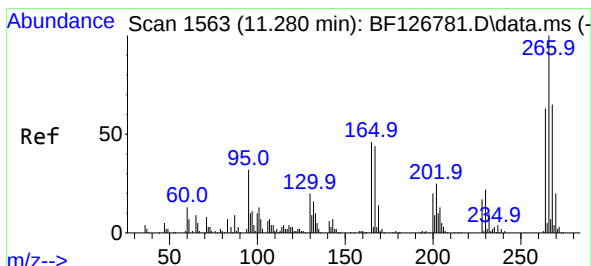
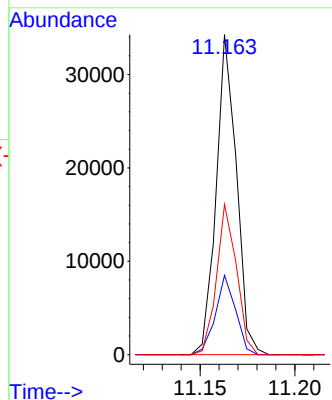
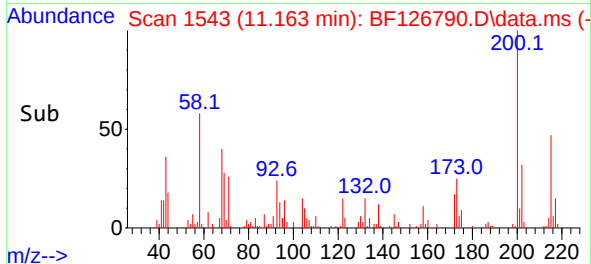
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



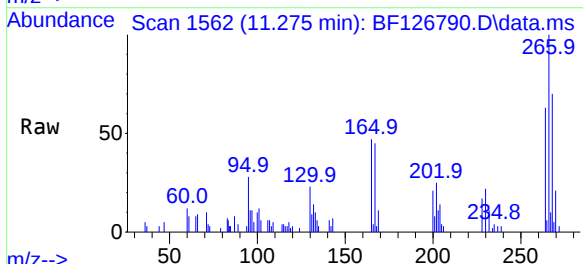
Tgt Ion:200 Resp: 25490
Ion Ratio Lower Upper
200 100
173 24.8 9.2 49.2
215 46.9 23.2 63.2

Manual Integrations
APPROVED

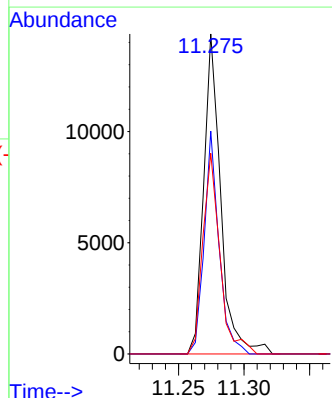
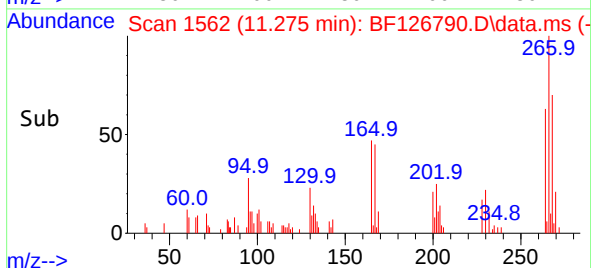
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

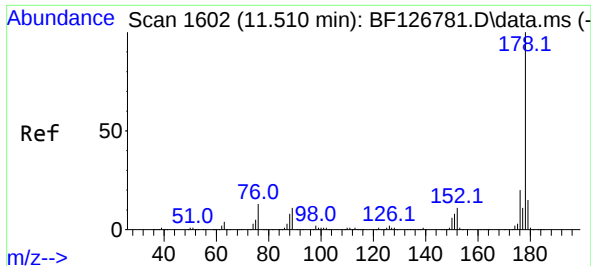


#70
Pentachlorophenol
Concen: 3.227 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



Tgt Ion:266 Resp: 13030
Ion Ratio Lower Upper
266 100
268 69.6 52.3 78.5
264 62.7 50.4 75.6





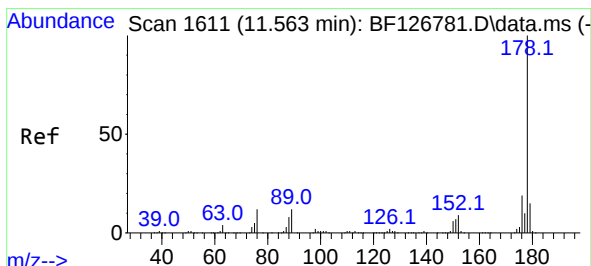
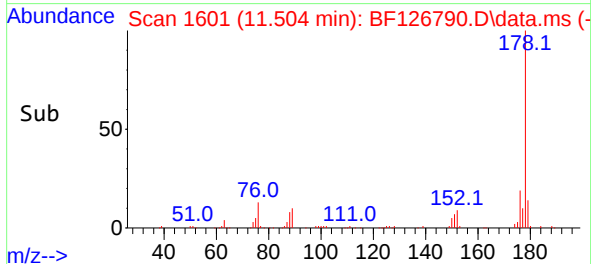
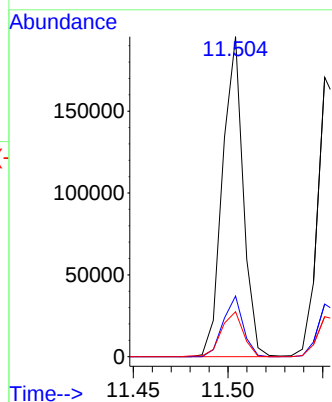
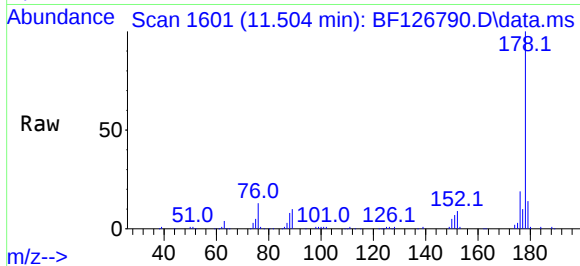
#71
Phenanthrene
Concen: 4.833 ng
RT: 11.504 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:178 Resp: 147920
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 14.0 12.3 18.5

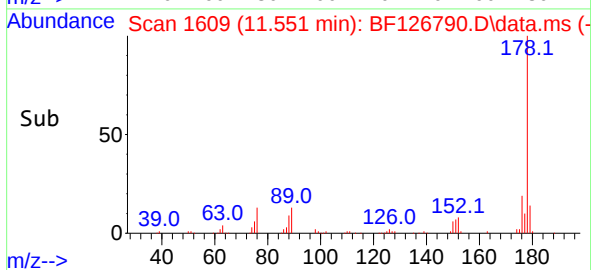
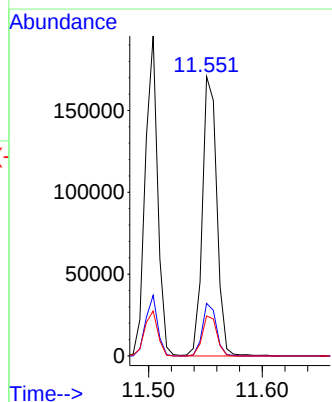
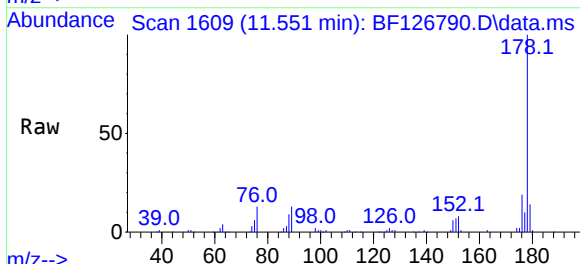
Manual Integrations
APPROVED

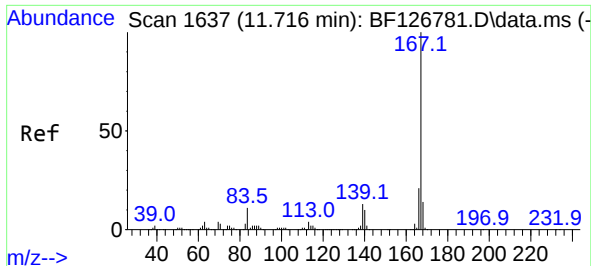
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#72
Anthracene
Concen: 4.931 ng
RT: 11.551 min Scan# 1609
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

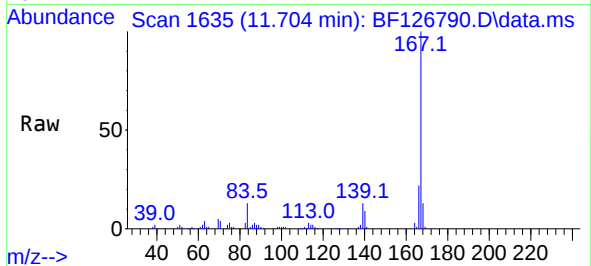
Tgt Ion:178 Resp: 151166
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 14.3 12.5 18.7





#73
 Carbazole
 Concen: 4.297 ng
 RT: 11.704 min Scan# 1635
 Delta R.T. -0.012 min
 Lab File: BF126790.D
 Acq: 03 Feb 2022 10:27

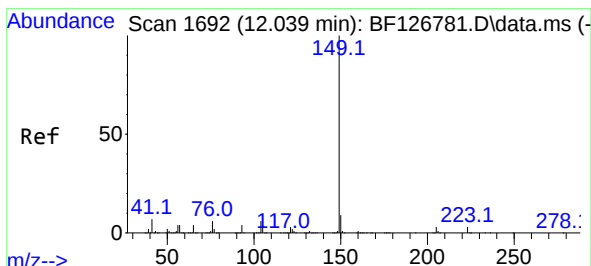
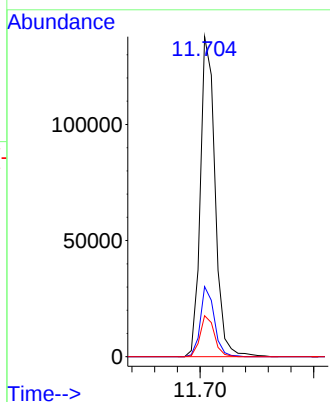
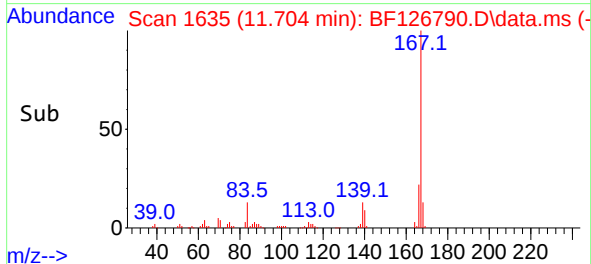
Instrument : BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021



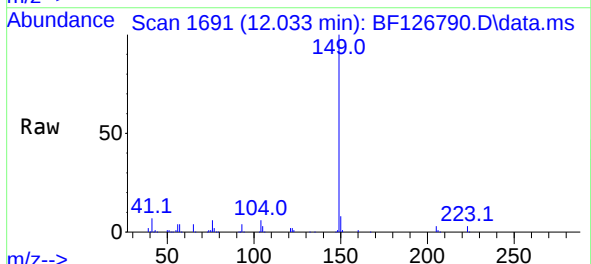
Tgt Ion:167 Resp: 124283
 Ion Ratio Lower Upper
 167 100
 166 21.9 16.9 25.3
 139 12.8 11.3 16.9

Manual Integrations
 APPROVED

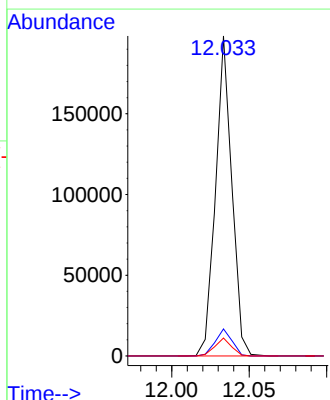
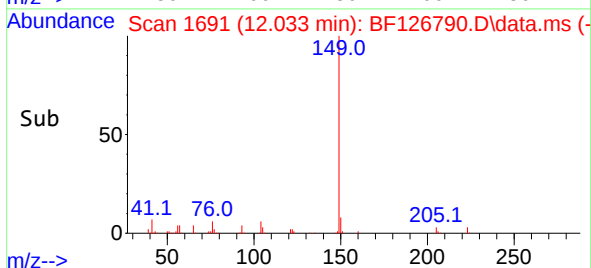
Reviewed By :Christian Giraldo 02/10/2022
 Supervised By :mohammad ahmed 02/10/2022

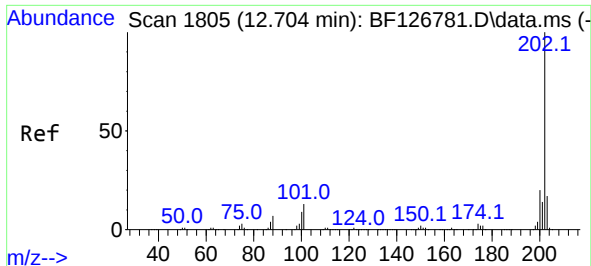


#74
 Di-n-butylphthalate
 Concen: 4.309 ng
 RT: 12.033 min Scan# 1691
 Delta R.T. -0.006 min
 Lab File: BF126790.D
 Acq: 03 Feb 2022 10:27



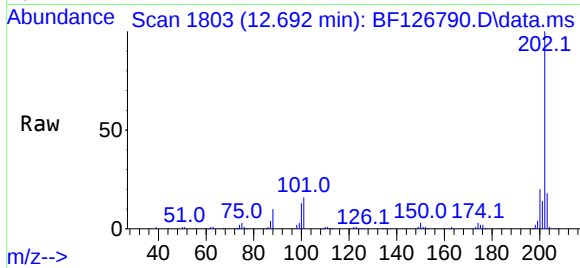
Tgt Ion:149 Resp: 144483
 Ion Ratio Lower Upper
 149 100
 150 8.5 7.2 10.8
 104 5.6 4.2 6.2





#75
Fluoranthene
Concen: 4.387 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

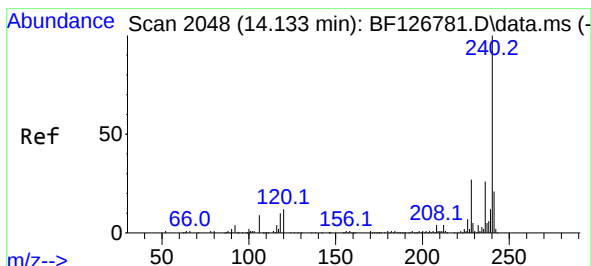
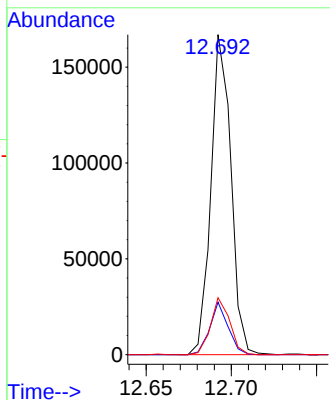
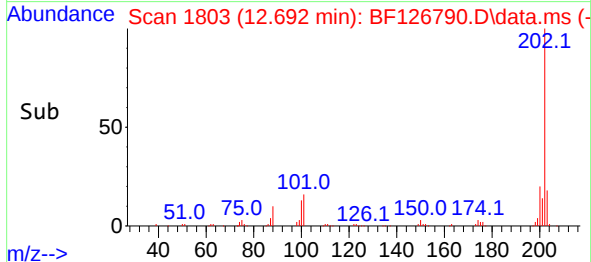
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



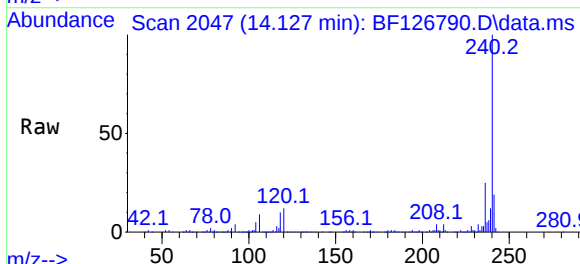
Tgt Ion:202 Resp: 136592
Ion Ratio Lower Upper
202 100
101 16.4 0.0 35.7
203 17.8 0.0 37.1

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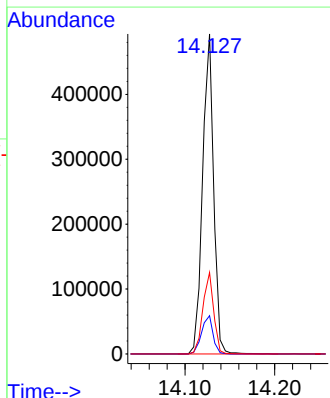
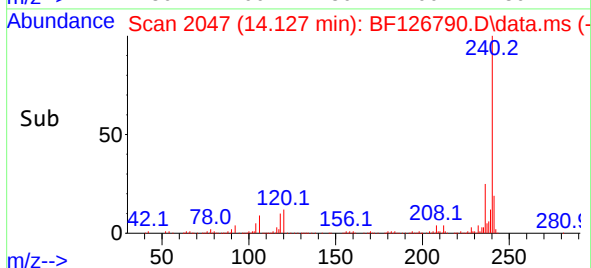
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

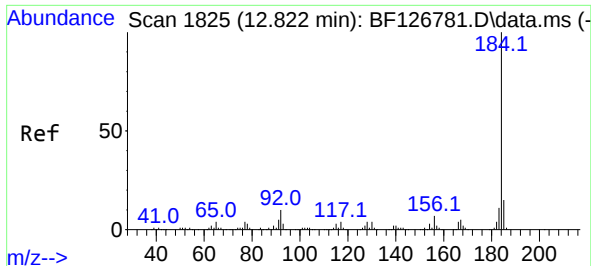


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



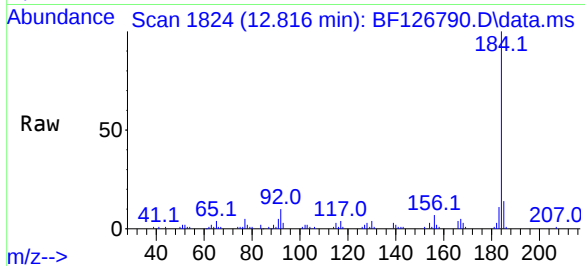
Tgt Ion:240 Resp: 419855
Ion Ratio Lower Upper
240 100
120 11.9 14.4 21.6#
236 25.5 20.5 30.7





#77
Benzidine
Concen: 5.757 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

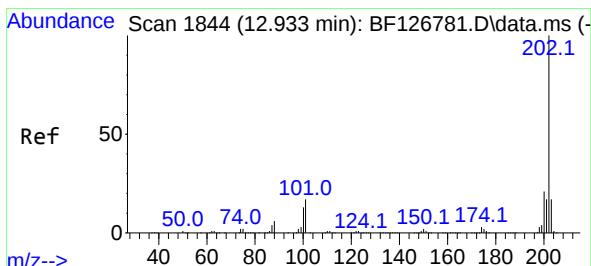
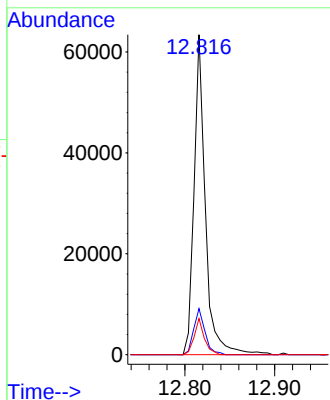
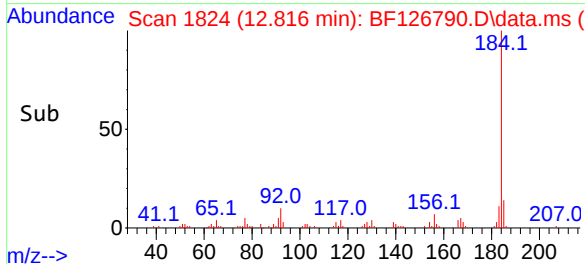
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



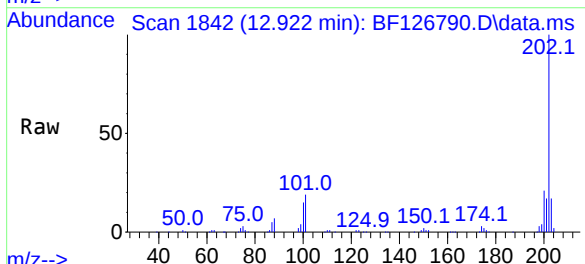
Tgt Ion:184 Resp: 55449
Ion Ratio Lower Upper
184 100
185 14.4 11.8 17.8
183 11.3 8.2 12.2

Manual Integrations
APPROVED

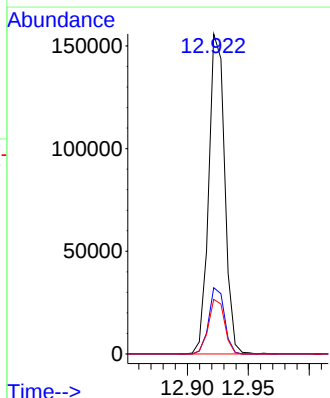
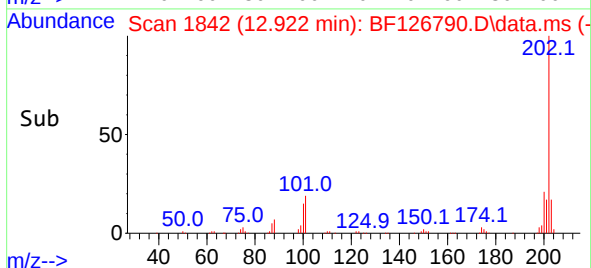
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

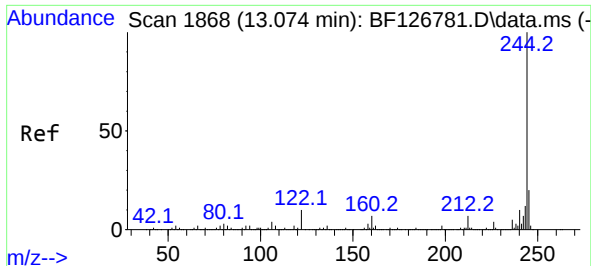


#78
Pyrene
Concen: 4.226 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



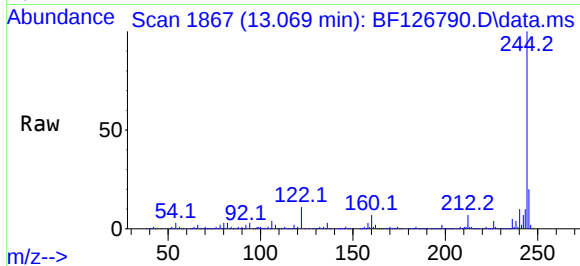
Tgt Ion:202 Resp: 141801
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 17.0 13.8 20.8





#79
 Terphenyl-d14
 Concen: 64.567 ng
 RT: 13.069 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: BF126790.D
 Acq: 03 Feb 2022 10:27

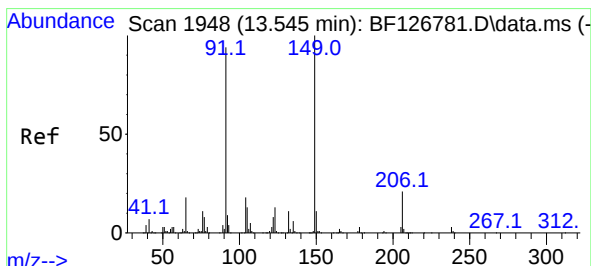
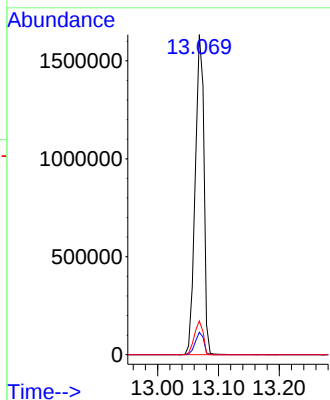
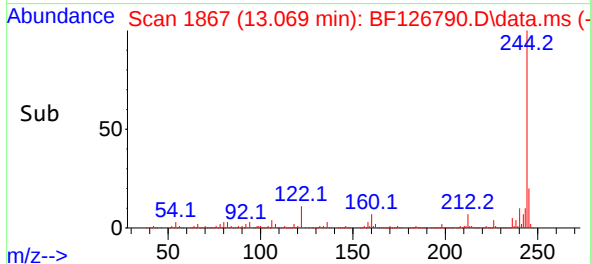
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:244 Resp: 162052
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.0 7.4
 122 10.6 13.3 19.9

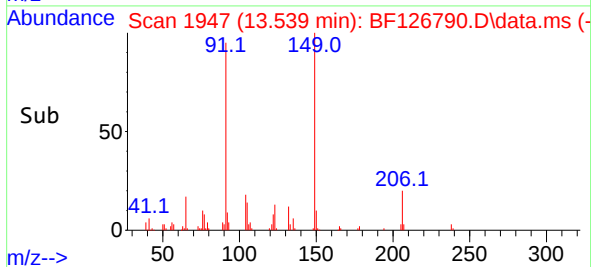
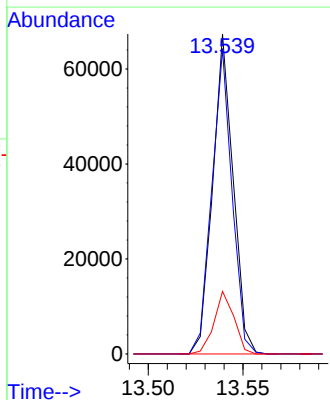
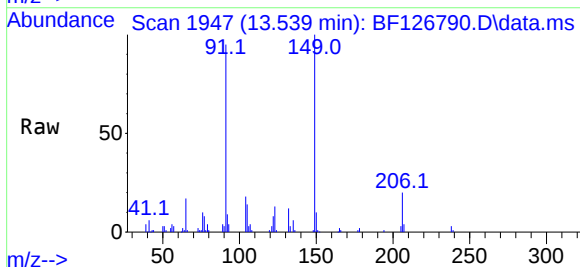
Manual Integrations
 APPROVED

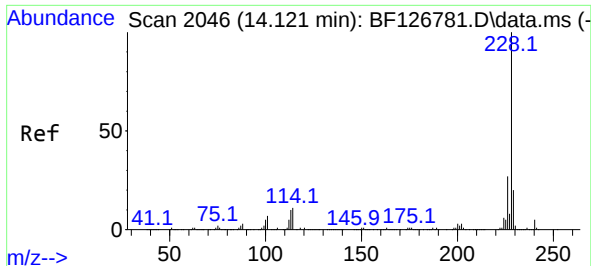
Reviewed By :Christian Giraldo 02/10/2022
 Supervised By :mohammad ahmed 02/10/2022



#80
 Butylbenzylphthalate
 Concen: 3.644 ng
 RT: 13.539 min Scan# 1947
 Delta R.T. -0.006 min
 Lab File: BF126790.D
 Acq: 03 Feb 2022 10:27

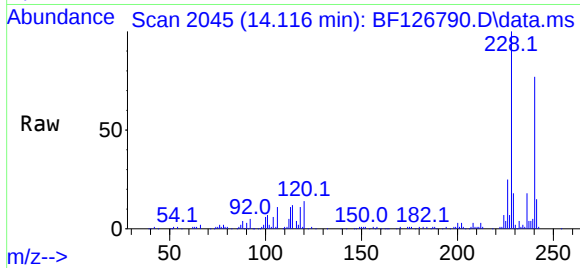
Tgt Ion:149 Resp: 50738
 Ion Ratio Lower Upper
 149 100
 91 95.4 70.5 105.7
 206 19.6 12.6 19.0





#81
Benzo(a)anthracene
Concen: 4.187 ng
RT: 14.116 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

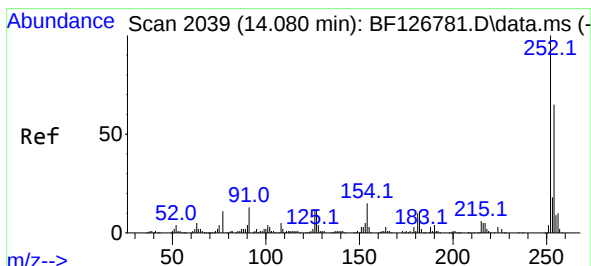
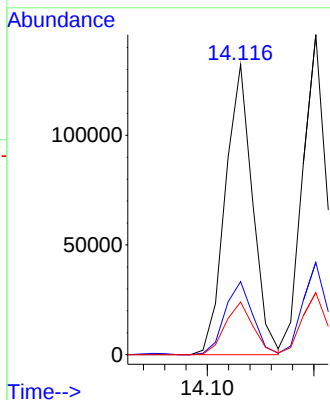
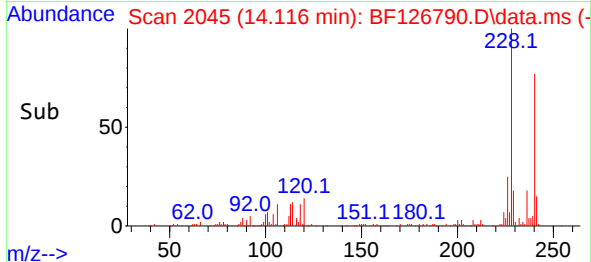
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



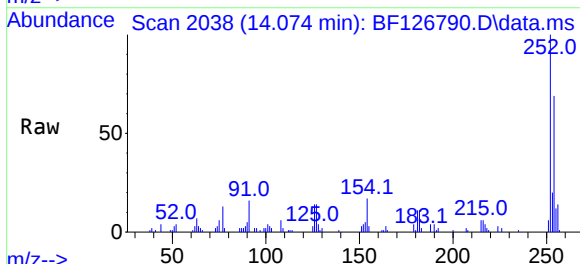
Tgt Ion:228 Resp: 117309
Ion Ratio Lower Upper
228 100
226 25.2 21.4 32.0
229 18.1 15.4 23.2

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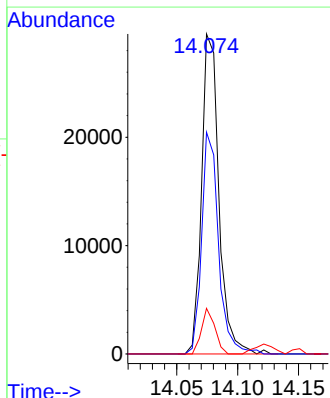
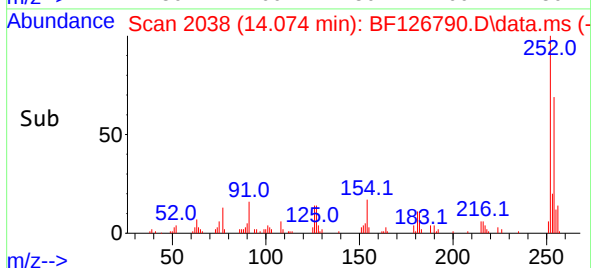
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

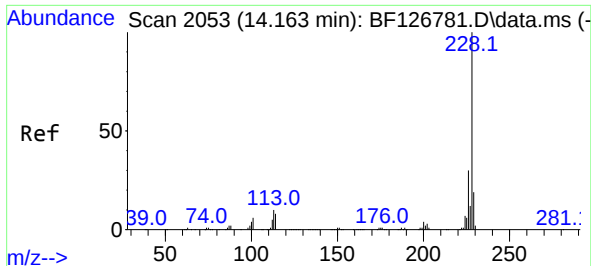


#82
3,3'-Dichlorobenzidine
Concen: 3.629 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



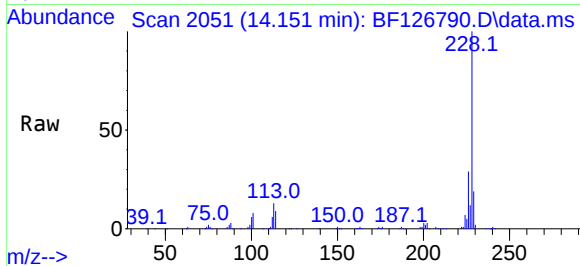
Tgt Ion:252 Resp: 29117
Ion Ratio Lower Upper
252 100
254 69.3 51.0 76.4
126 14.2 13.4 20.0





#83
Chrysene
Concen: 4.373 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

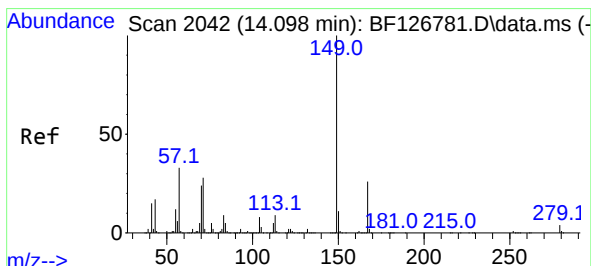
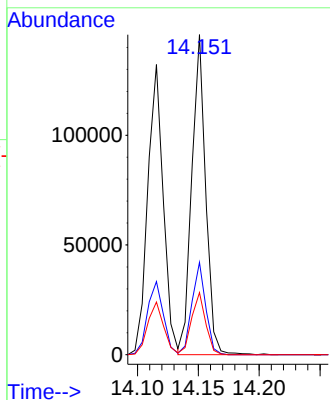
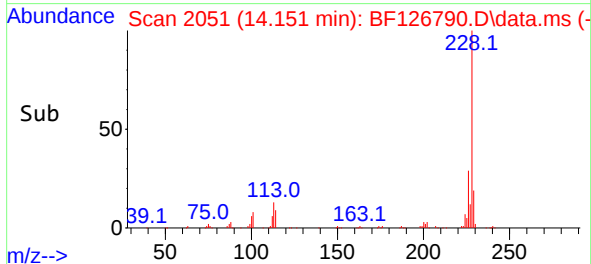
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



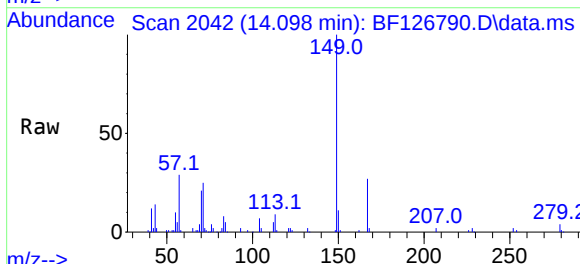
Tgt Ion:228 Resp: 115997
Ion Ratio Lower Upper
228 100
226 28.8 23.7 35.5
229 19.4 15.5 23.3

Manual Integrations
APPROVED

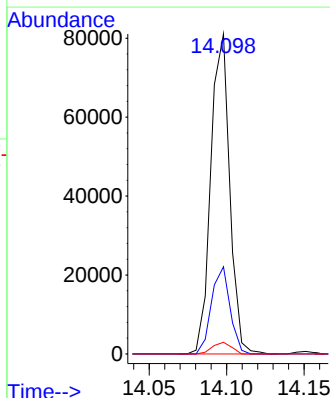
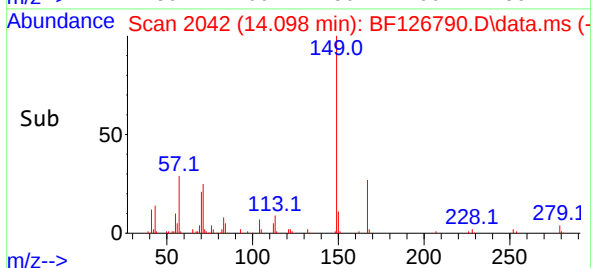
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

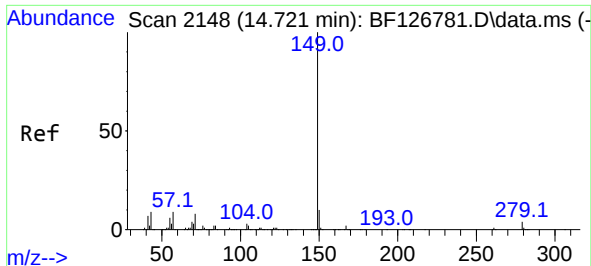


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.793 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



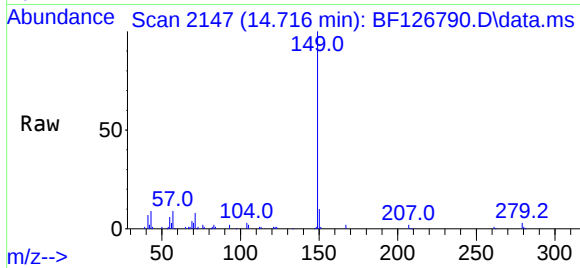
Tgt Ion:149 Resp: 68708
Ion Ratio Lower Upper
149 100
167 27.2 21.4 32.2
279 3.7 2.4 3.6#





#85
Di-n-octyl phthalate
Concen: 3.457 ng
RT: 14.716 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

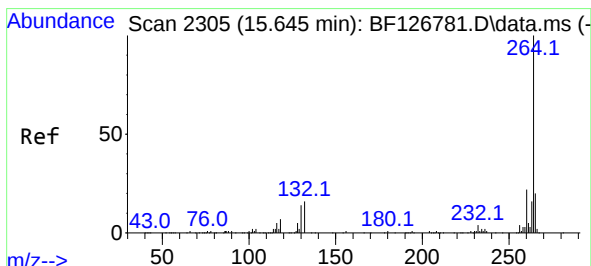
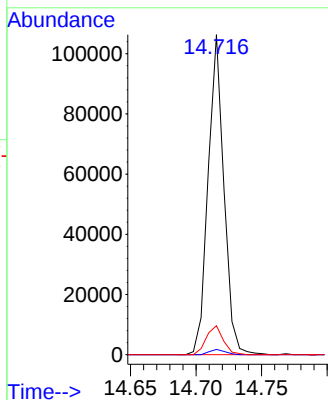
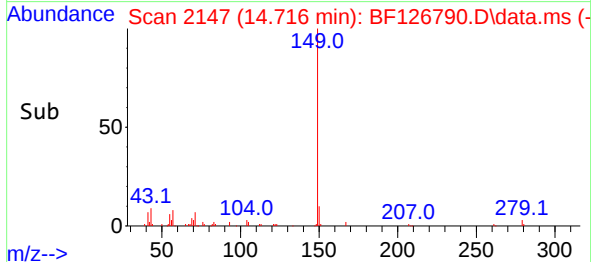
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



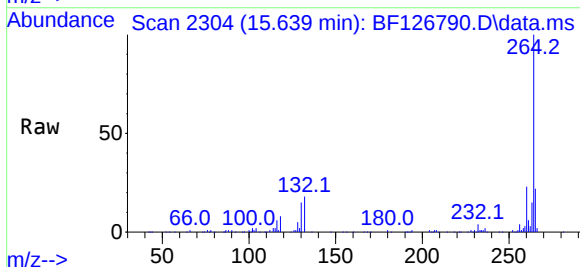
Tgt Ion:149 Resp: 89284
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 9.7 9.9 14.9

Manual Integrations
APPROVED

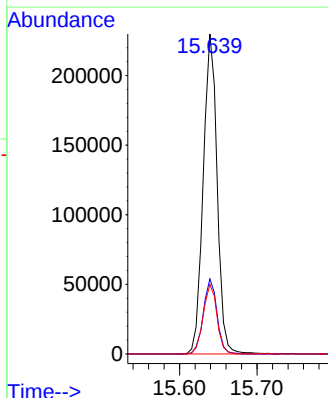
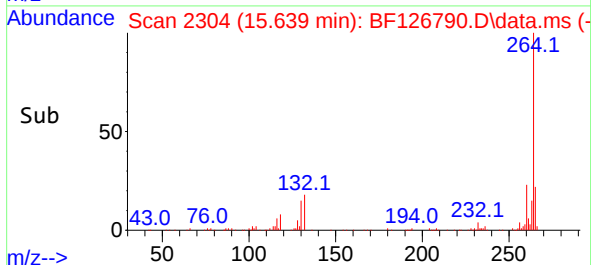
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

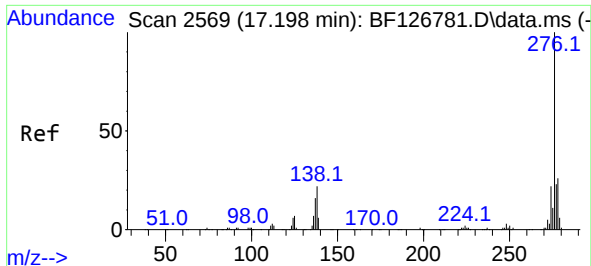


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2304
Delta R.T. -0.006 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



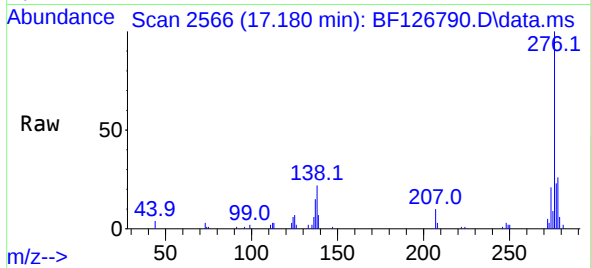
Tgt Ion:264 Resp: 286354
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.7 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.697 ng
RT: 17.180 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

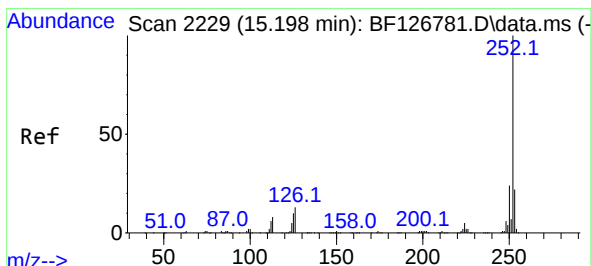
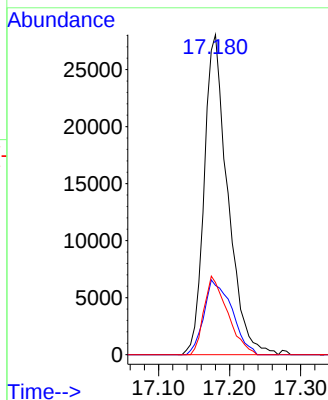
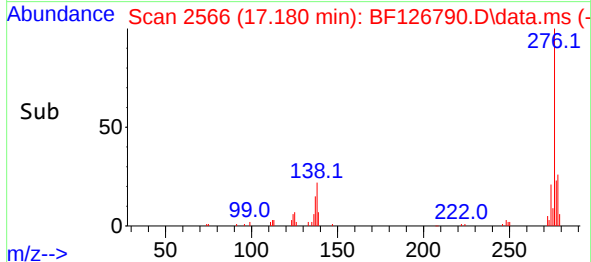
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



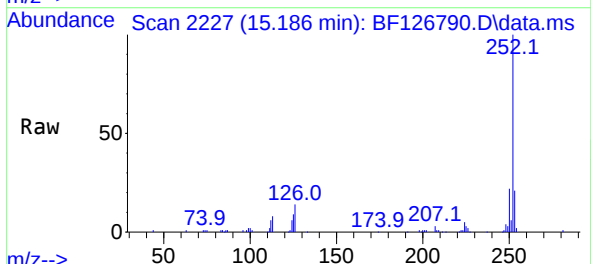
Tgt Ion:276 Resp: 6457
Ion Ratio Lower Upper
276 100
138 27.7 29.2 43.8
277 24.6 19.8 29.8

Manual Integrations
APPROVED

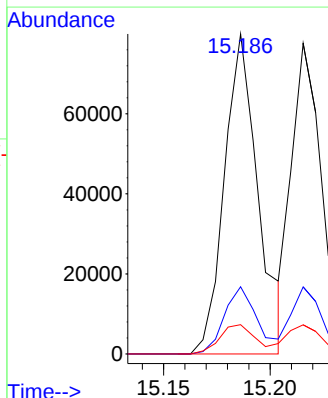
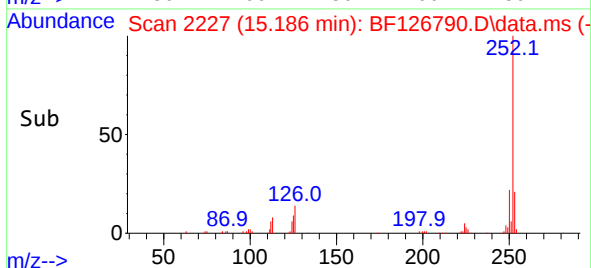
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

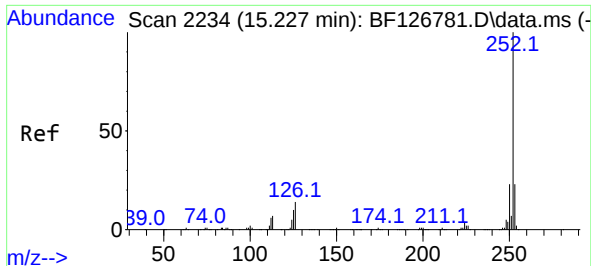


#88
Benzo(b)fluoranthene
Concen: 4.707 ng
RT: 15.186 min Scan# 2227
Delta R.T. -0.012 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



Tgt Ion:252 Resp: 88135
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.8
125 9.1 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 4.215 ng

RT: 15.216 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF126790.D

Acq: 03 Feb 2022 10:27

Instrument :

BNA_F

ClientSampleId :

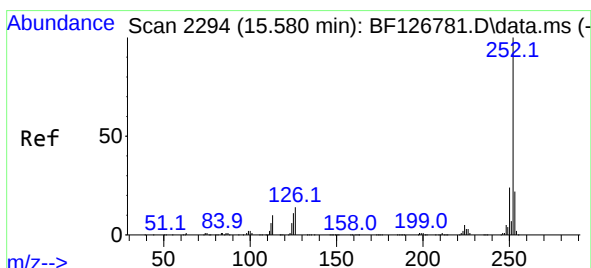
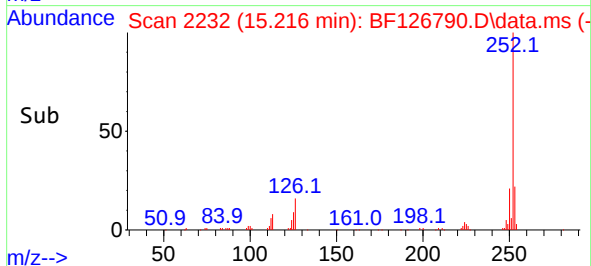
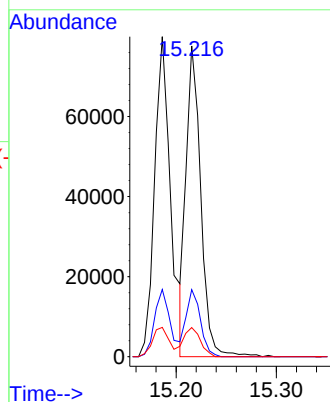
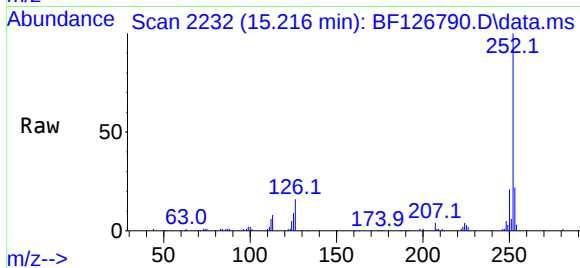
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:252	Resp:	7872
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.5 26.3
125	9.4	11.8 17.6

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 4.711 ng

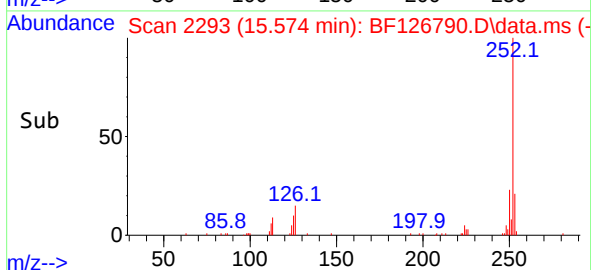
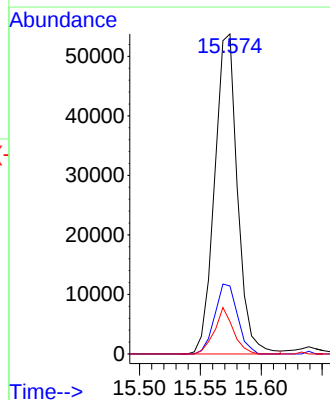
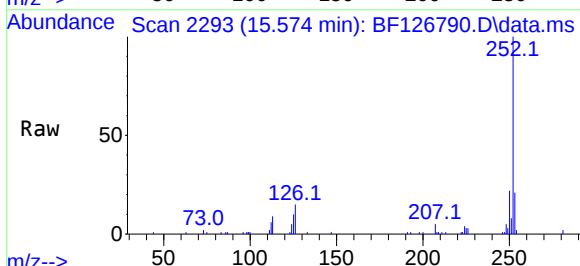
RT: 15.574 min Scan# 2293

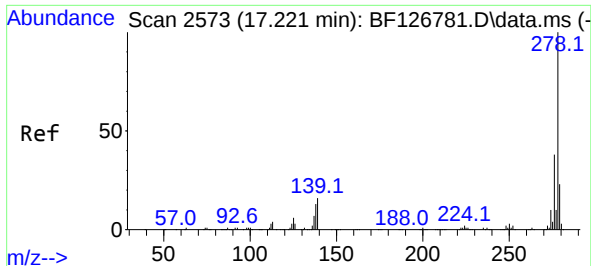
Delta R.T. -0.006 min

Lab File: BF126790.D

Acq: 03 Feb 2022 10:27

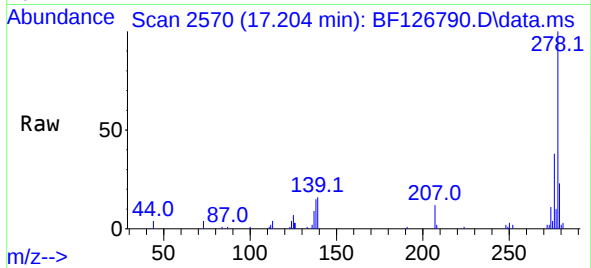
Tgt Ion:252	Resp:	70320
Ion Ratio	Lower	Upper
252	100	
253	21.3	17.1 25.7
125	10.1	13.0 19.6





#91
Dibenzo(a,h)anthracene
Concen: 3.746 ng
RT: 17.204 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27

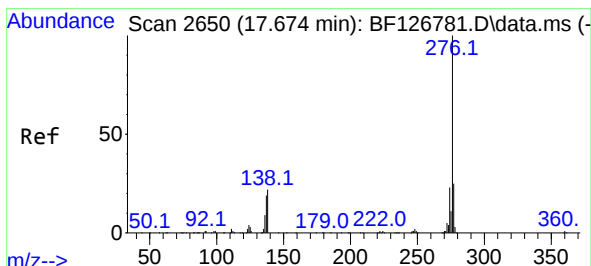
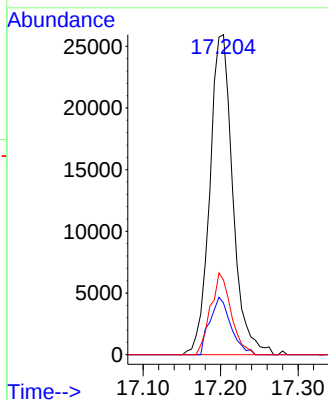
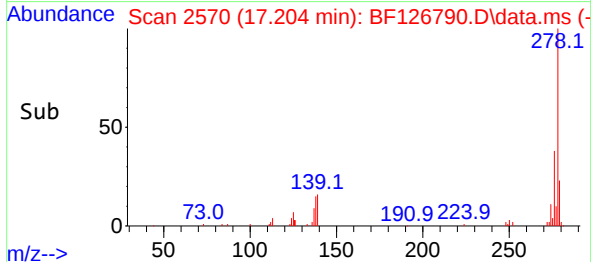
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



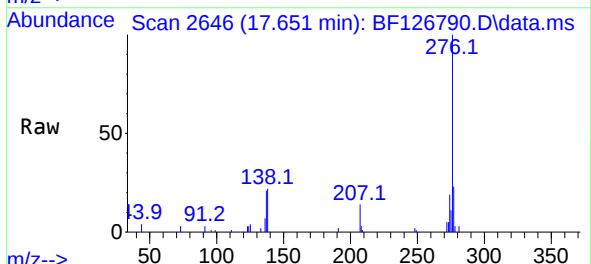
Tgt Ion:278 Resp: 53594
Ion Ratio Lower Upper
278 100
139 16.2 18.0 27.0
279 23.4 18.6 27.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 3.828 ng
RT: 17.651 min Scan# 2646
Delta R.T. -0.023 min
Lab File: BF126790.D
Acq: 03 Feb 2022 10:27



Tgt Ion:276 Resp: 54085
Ion Ratio Lower Upper
276 100
277 22.6 18.5 27.7
138 22.3 25.9 38.9#

