

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020322\
 Data File : BF126791.D
 Acq On : 03 Feb 2022 11:12
 Operator : CG/JU
 Sample : M4068-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 03 11:38:13 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	146199	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	554310	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	308627	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	543810	20.000	ng	0.00
76) Chrysene-d12	14.127	240	459391	20.000	ng	# 0.00
86) Perylene-d12	15.645	264	378321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1314916	123.188	ng	0.00
7) Phenol-d6	6.569	99	1919616	130.010	ng	0.00
23) Nitrobenzene-d5	7.510	82	1213809	81.952	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	424304	132.469	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1537898	82.511	ng	0.00
79) Terphenyl-d14	13.074	244	1692206	61.620	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.787	88	44206	8.184	ng	# 87
3) Pyridine	3.593	79	103417	7.060	ng	# 80
4) n-Nitrosodimethylamine	3.505	42	38874	8.592	ng	# 66
6) Aniline	6.616	93	187946	9.975	ng	95
8) 2-Chlorophenol	6.734	128	87119	8.926	ng	98
9) Benzaldehyde	6.498	77	99023	10.660	ng	87
10) Phenol	6.581	94	139161	8.805	ng	98
11) bis(2-Chloroethyl)ether	6.681	93	117747	9.248	ng	92
12) 1,3-Dichlorobenzene	6.887	146	100974	9.188	ng	95
13) 1,4-Dichlorobenzene	6.963	146	99973	9.000	ng	96
14) 1,2-Dichlorobenzene	7.116	146	93568	8.668	ng	95
15) Benzyl Alcohol	7.081	79	114255	9.685	ng	93
16) 2,2'-oxybis(1-Chloropr...	7.216	45	124939	9.109	ng	84
17) 2-Methylphenol	7.181	107	84622	8.817	ng	# 94
18) Hexachloroethane	7.457	117	39626	9.107	ng	97
19) n-Nitroso-di-n-propyla...	7.351	70	88042	9.055	ng	# 82
20) 3+4-Methylphenols	7.334	107	111720	9.242	ng	# 69
22) Acetophenone	7.351	105	145211	9.053	ng	# 86
24) Nitrobenzene	7.528	77	136867	9.309	ng	# 87
25) Isophorone	7.763	82	227488	8.949	ng	95
26) 2-Nitrophenol	7.840	139	41999	8.571	ng	# 72
27) 2,4-Dimethylphenol	7.869	122	86222	10.075	ng	89
28) bis(2-Chloroethoxy)met...	7.969	93	144785	8.981	ng	# 98
29) 2,4-Dichlorophenol	8.075	162	73657	8.743	ng	96
30) 1,2,4-Trichlorobenzene	8.169	180	81997	9.050	ng	98
31) Naphthalene	8.251	128	277174	9.567	ng	98
32) Benzoic acid	7.928	122	34591	5.237	ng	# 83
33) 4-Chloroaniline	8.298	127	112347	9.597	ng	97
34) Hexachlorobutadiene	8.363	225	47870	8.429	ng	95
35) Caprolactam	8.634	113	25843	8.430	ng	# 69
36) 4-Chloro-3-methylphenol	8.763	107	93095	8.669	ng	87
37) 2-Methylnaphthalene	8.939	142	176937	9.911	ng	100
38) 1-Methylnaphthalene	9.039	142	163140	9.493	ng	98
40) 1,2,4,5-Tetrachloroben...	9.104	216	78319	8.814	ng	96
41) Hexachlorocyclopentadiene	9.092	237	47913	9.354	ng	95
43) 2,4,6-Trichlorophenol	9.216	196	51384	8.208	ng	99

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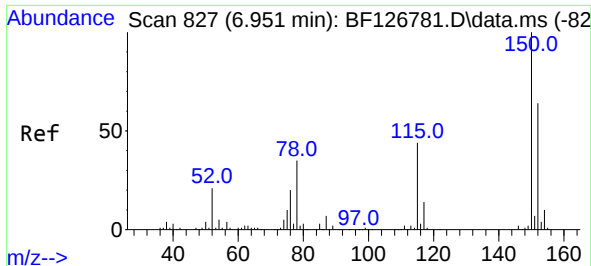
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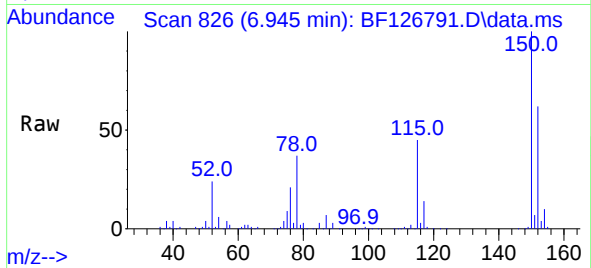
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	56424m	8.633	ng	
46) 1,1'-Biphenyl	9.404	154	207364	9.174	ng	97
47) 2-Chloronaphthalene	9.434	162	167686	9.359	ng	98
48) 2-Nitroaniline	9.522	65	63436	8.683	ng	92
49) Acenaphthylene	9.851	152	263833	9.537	ng	98
50) Dimethylphthalate	9.698	163	191333	8.969	ng	# 99
51) 2,6-Dinitrotoluene	9.763	165	40396	9.218	ng	90
52) Acenaphthene	10.022	154	161100	9.133	ng	96
53) 3-Nitroaniline	9.934	138	45240	9.060	ng	# 83
54) 2,4-Dinitrophenol	10.039	184	12317	5.336	ng	88
55) Dibenzofuran	10.192	168	237273	9.114	ng	98
56) 4-Nitrophenol	10.075	139	31763	8.399	ng	# 67
57) 2,4-Dinitrotoluene	10.163	165	52870	8.902	ng	# 92
58) Fluorene	10.533	166	187090	9.712	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.304	232	45815	8.099	ng	# 85
60) Diethylphthalate	10.404	149	186798	8.912	ng	96
61) 4-Chlorophenyl-phenyle...	10.528	204	91100	9.350	ng	# 87
62) 4-Nitroaniline	10.545	138	42793	9.031	ng	83
63) Azobenzene	10.692	77	268108	9.218	ng	91
65) 4,6-Dinitro-2-methylph...	10.575	198	20936	6.346	ng	88
66) n-Nitrosodiphenylamine	10.645	169	161874	9.256	ng	97
67) 4-Bromophenyl-phenylether	11.022	248	54242	8.714	ng	91
68) Hexachlorobenzene	11.081	284	59287	8.705	ng	91
69) Atrazine	11.169	200	50860	8.963	ng	92
70) Pentachlorophenol	11.275	266	29308	7.375	ng	96
71) Phenanthrene	11.504	178	285186	9.469	ng	98
72) Anthracene	11.557	178	292178	9.686	ng	98
73) Carbazole	11.710	167	254665	8.949	ng	98
74) Di-n-butylphthalate	12.033	149	292042	8.851	ng	# 99
75) Fluoranthene	12.698	202	280865	9.168	ng	97
77) Benzidine	12.816	184	163369	15.502	ng	98
78) Pyrene	12.927	202	290701	7.918	ng	99
80) Butylbenzylphthalate	13.539	149	114698	7.529	ng	# 90
81) Benzo(a)anthracene	14.116	228	262934	8.578	ng	99
82) 3,3'-Dichlorobenzidine	14.080	252	86246	9.824	ng	# 94
83) Chrysene	14.151	228	258797	8.917	ng	98
84) Bis(2-ethylhexyl)phtha...	14.098	149	171028	8.629	ng	# 99
85) Di-n-octyl phthalate	14.716	149	266872	9.444	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.186	276	163765	7.097	ng	# 91
88) Benzo(b)fluoranthene	15.192	252	217047	8.774	ng	# 93
89) Benzo(k)fluoranthene	15.221	252	215538	8.735	ng	# 94
90) Benzo(a)pyrene	15.574	252	194405	9.859	ng	# 94
91) Dibenzo(a,h)anthracene	17.204	278	136765	7.236	ng	# 94
92) Benzo(g,h,i)perylene	17.657	276	133306	7.141	ng	# 86

(#) = 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: BF126791.D
Acq: 03 Feb 2022 11:12

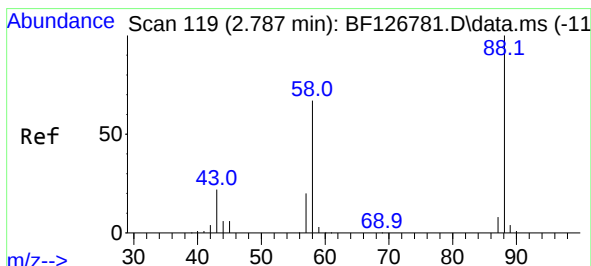
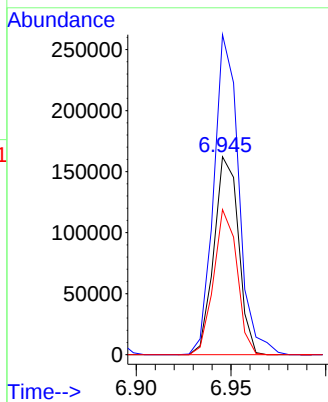
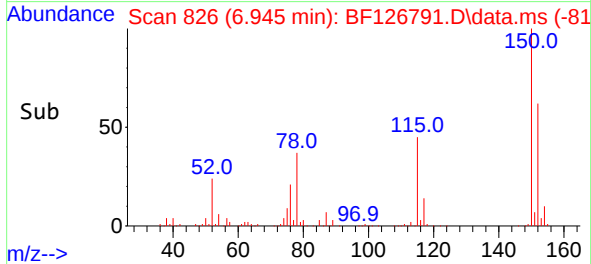
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



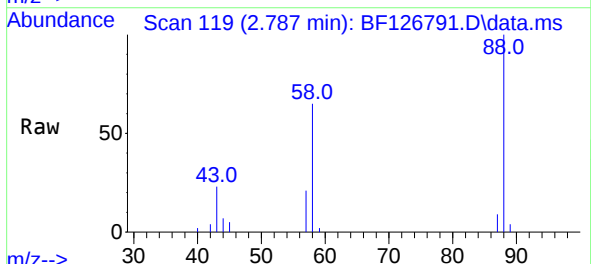
Tgt Ion:152 Resp: 146199
Ion Ratio Lower Upper
152 100
150 161.6 128.1 192.1
115 73.3 56.7 85.1

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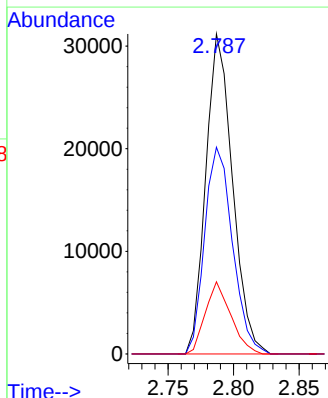
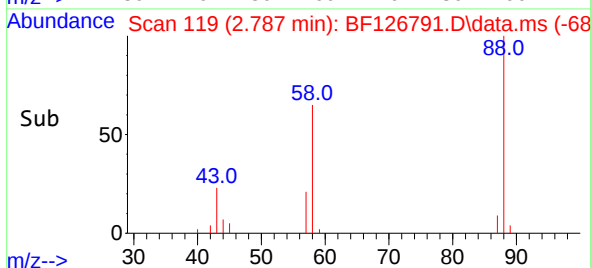
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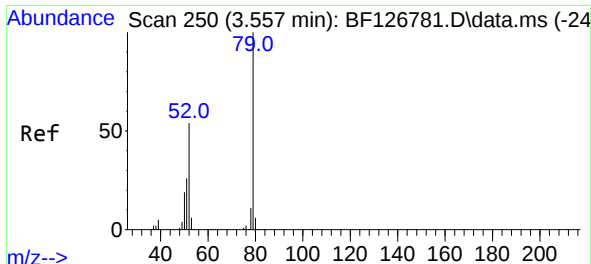


#2
1,4-Dioxane
Concen: 8.184 ng
RT: 2.787 min Scan# 119
Delta R.T. 0.000 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



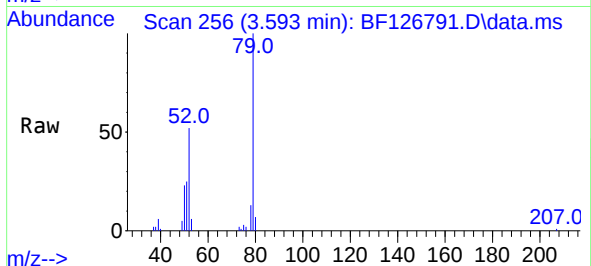
Tgt Ion: 88 Resp: 44206
Ion Ratio Lower Upper
88 100
58 67.4 62.8 94.2
43 21.6 22.3 33.5#





#3
Pyridine
Concen: 7.060 ng
RT: 3.593 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

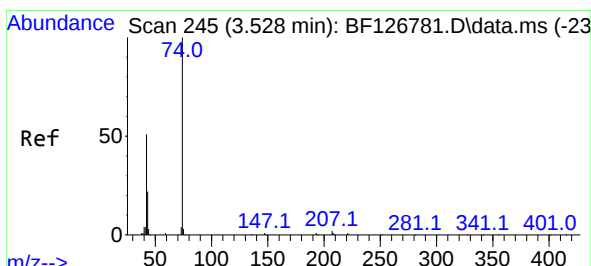
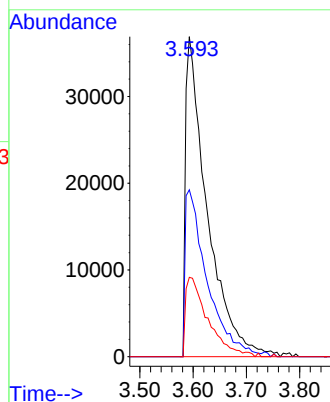
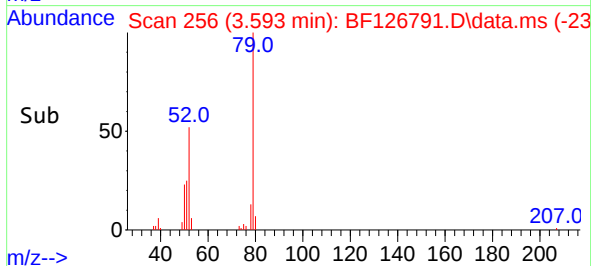
Instrument :
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LOD-MDL-SOIL-01-QT4-2021



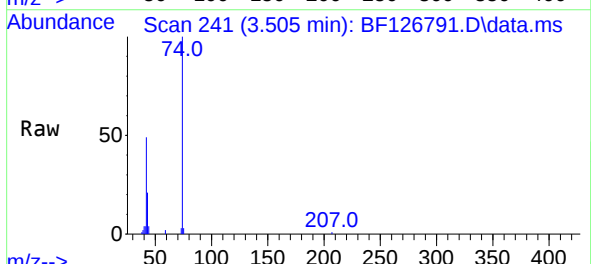
Tgt Ion: 79 Resp: 10341
Ion Ratio Lower Upper
79 100
52 52.2 56.2 84.4
51 24.8 26.7 40.1

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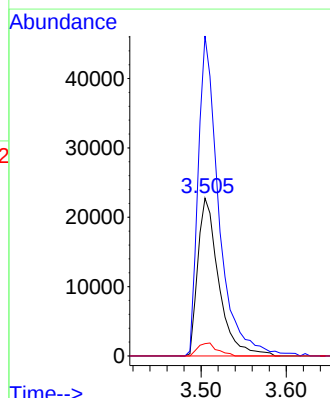
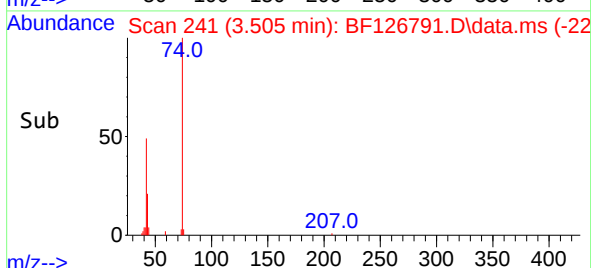
Reviewed By :Christian Giraldo 02/10/2022
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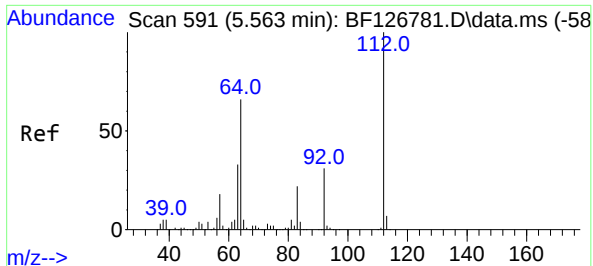


#4
n-Nitrosodimethylamine
Concen: 8.592 ng
RT: 3.505 min Scan# 241
Delta R.T. -0.023 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



Tgt Ion: 42 Resp: 38874
Ion Ratio Lower Upper
42 100
74 202.9 125.6 188.4
44 7.8 5.7 8.5





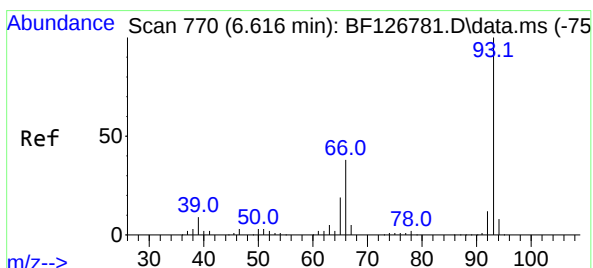
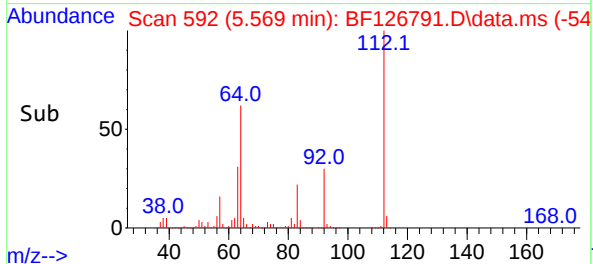
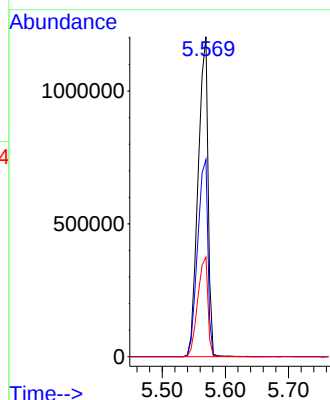
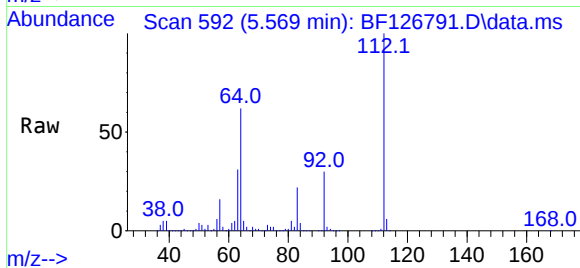
#5
2-Fluorophenol
Concen: 123.188 ng
RT: 5.569 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

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

Tgt Ion:112 Resp: 1314910
Ion Ratio Lower Upper
112 100
64 61.6 49.5 74.3
63 31.2 23.9 35.9

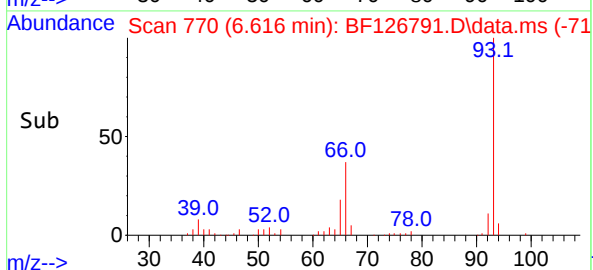
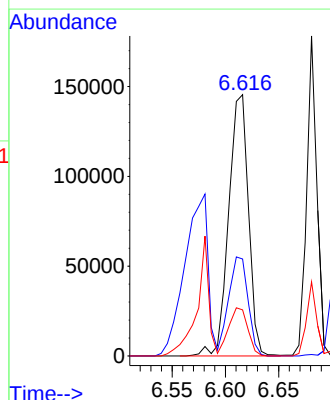
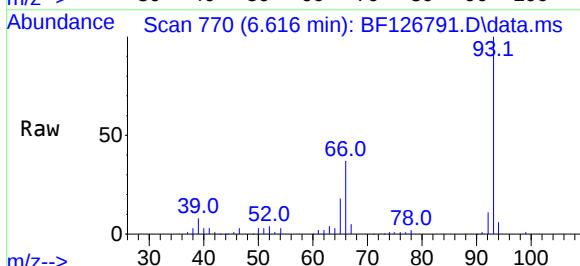
Manual Integrations
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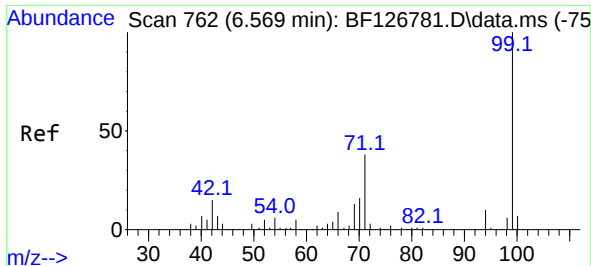
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#6
Aniline
Concen: 9.975 ng
RT: 6.616 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF126791.D
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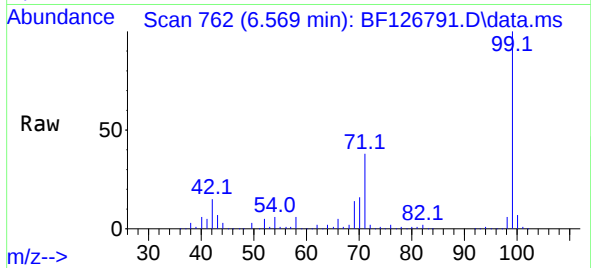
Tgt Ion: 93 Resp: 187946
Ion Ratio Lower Upper
93 100
66 37.1 32.2 48.4
65 17.6 16.3 24.5





#7
Phenol-d6
Concen: 130.010 ng
RT: 6.569 min Scan# 762
Delta R.T. 0.000 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

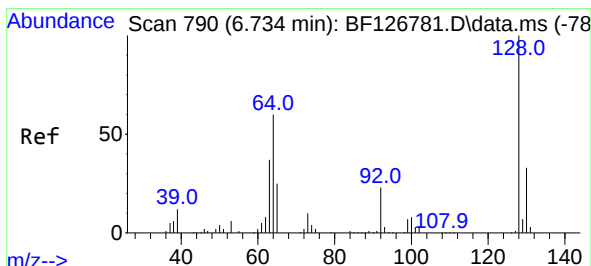
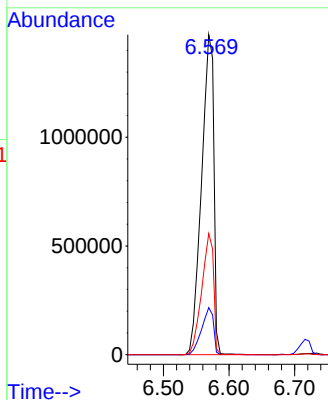
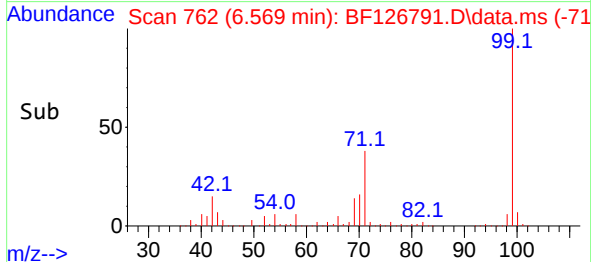
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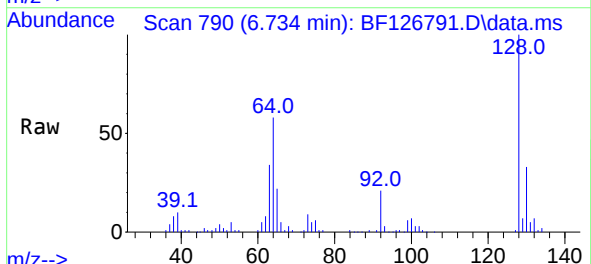
Tgt Ion: 99 Resp: 1919610
Ion Ratio Lower Upper
99 100
42 14.7 14.2 21.4
71 37.9 24.3 36.5

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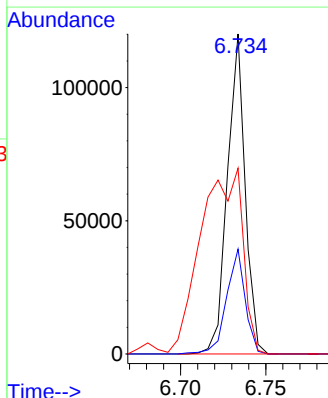
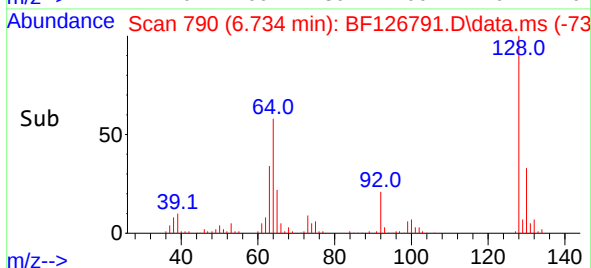
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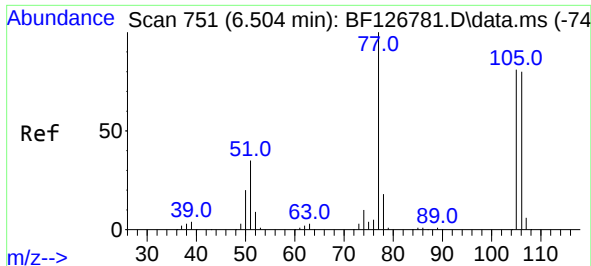


#8
2-Chlorophenol
Concen: 8.926 ng
RT: 6.734 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



Tgt Ion:128 Resp: 87119
Ion Ratio Lower Upper
128 100
130 32.8 12.7 52.7
64 58.1 35.6 75.6





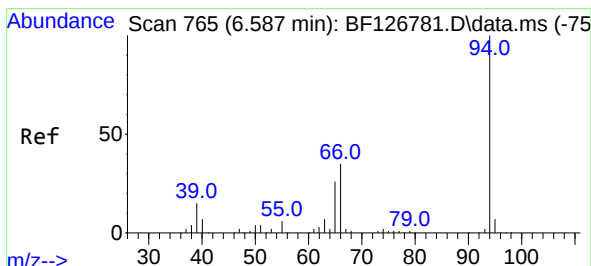
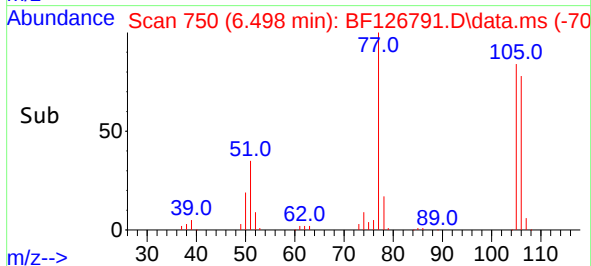
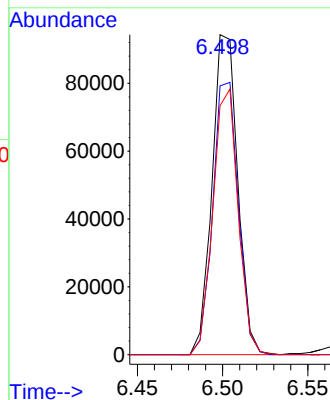
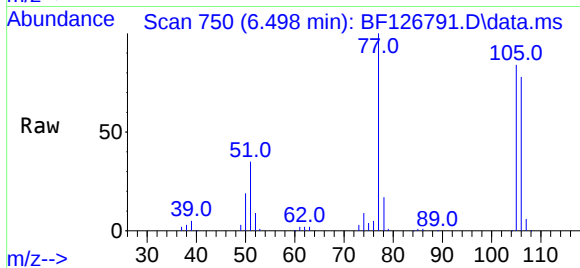
#9
Benzaldehyde
Concen: 10.660 ng
RT: 6.498 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF126791.D
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Instrument :
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LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 77 Resp: 99023
Ion Ratio Lower Upper
77 100
105 84.0 74.9 114.9
106 77.8 72.4 112.4

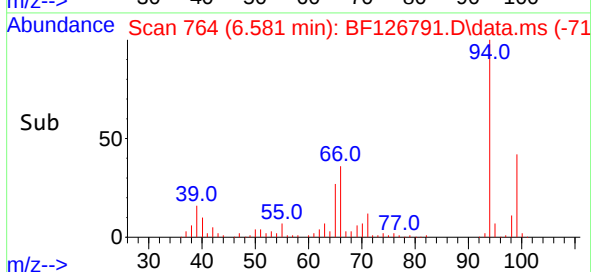
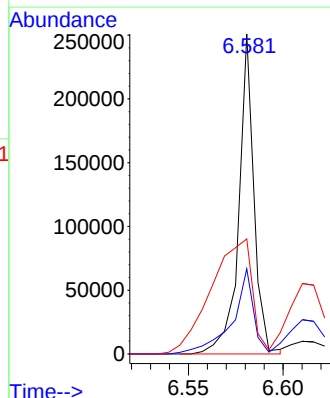
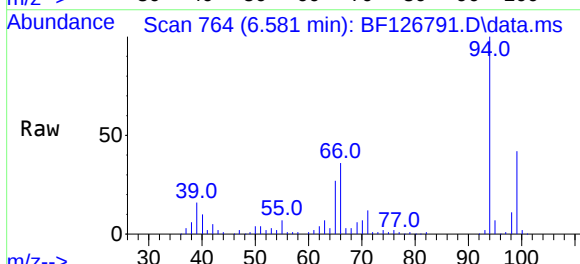
Manual Integrations
APPROVED

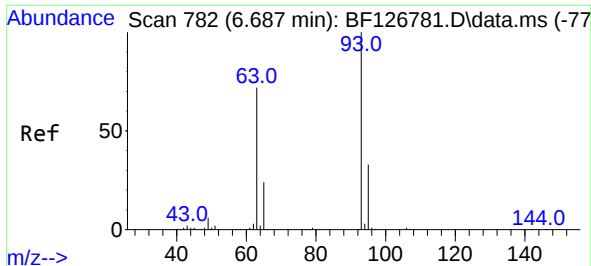
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#10
Phenol
Concen: 8.805 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

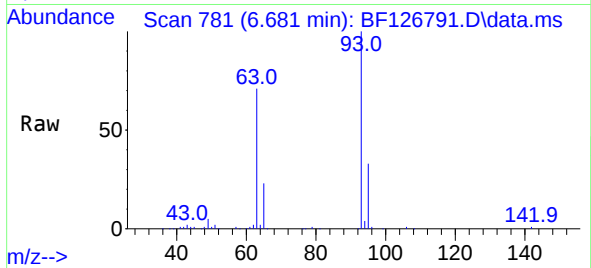
Tgt Ion: 94 Resp: 139161
Ion Ratio Lower Upper
94 100
65 26.6 7.2 47.2
66 35.9 14.5 54.5





#11
bis(2-Chloroethyl)ether
Concen: 9.248 ng
RT: 6.681 min Scan# 781
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

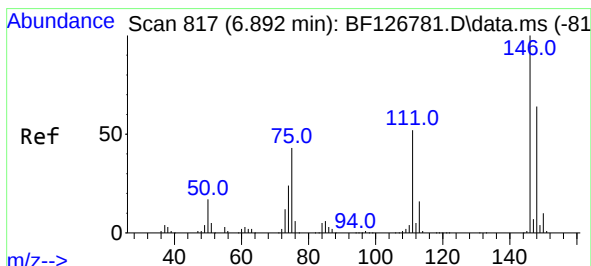
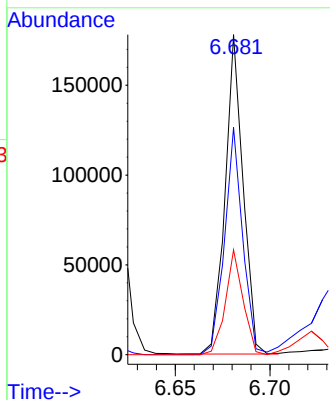
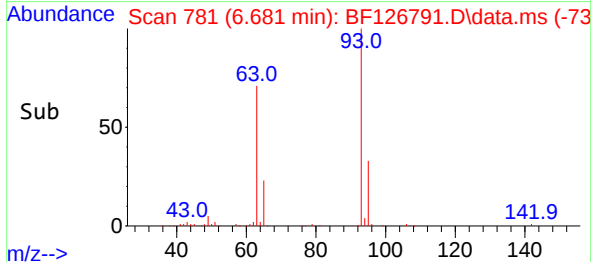
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



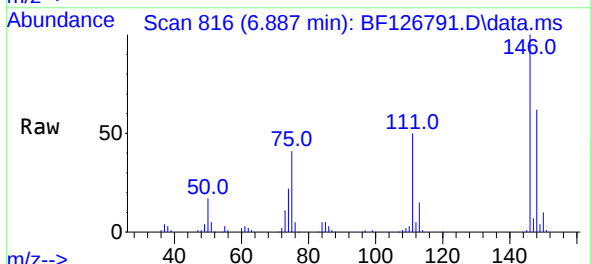
Tgt Ion: 93 Resp: 11774
Ion Ratio Lower Upper
93 100
63 71.0 60.5 100.5
95 32.8 12.9 52.9

Manual Integrations
APPROVED

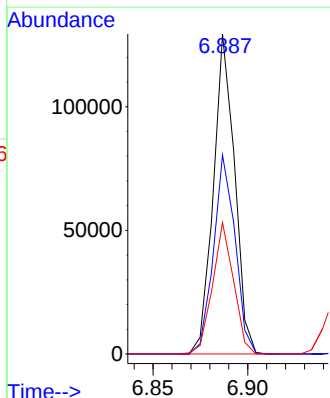
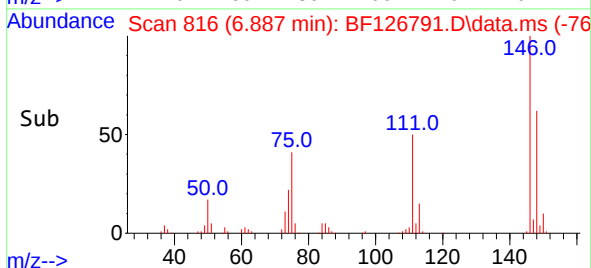
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

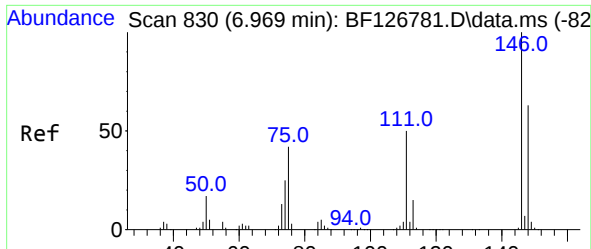


#12
1,3-Dichlorobenzene
Concen: 9.188 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



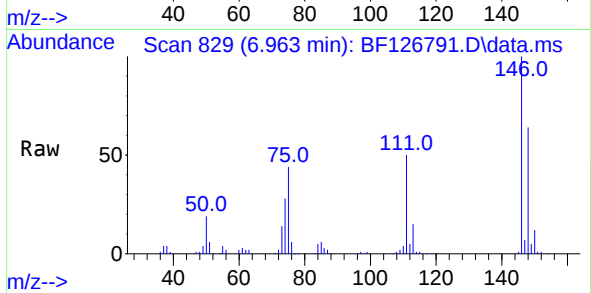
Tgt Ion:146 Resp: 100974
Ion Ratio Lower Upper
146 100
148 62.2 50.9 76.3
75 41.1 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 9.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

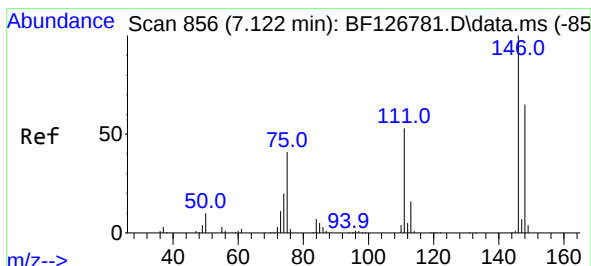
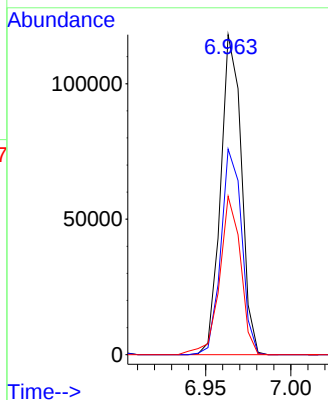
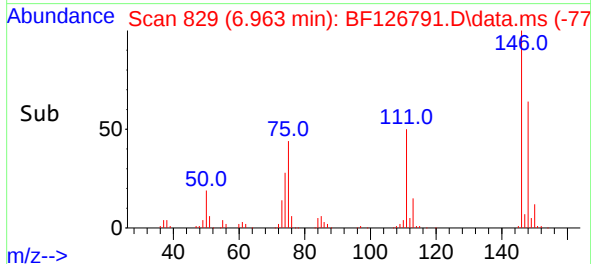
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



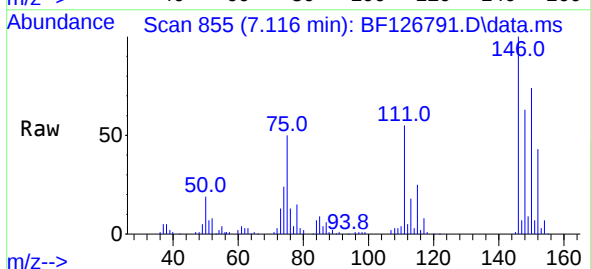
Tgt Ion:146 Resp: 9997
Ion Ratio Lower Upper
146 100
148 64.3 49.8 74.6
111 49.5 36.1 54.1

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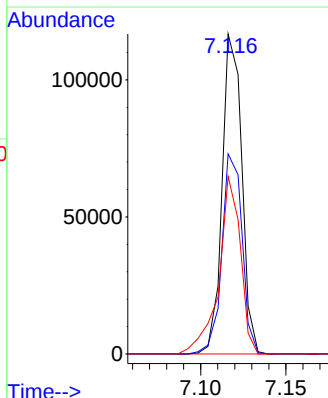
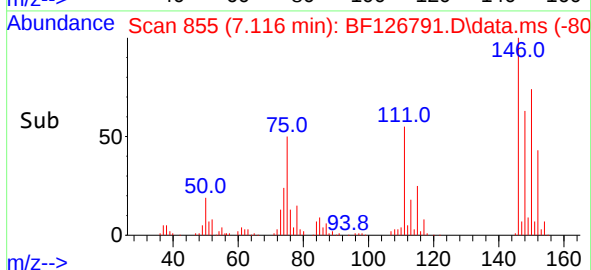
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

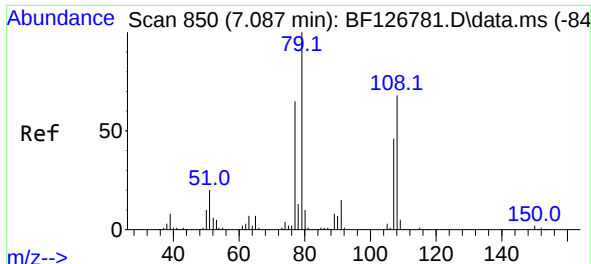


#14
1,2-Dichlorobenzene
Concen: 8.668 ng
RT: 7.116 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



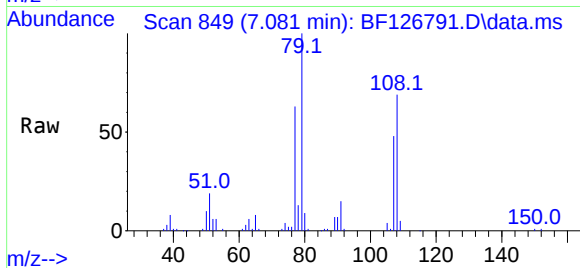
Tgt Ion:146 Resp: 93568
Ion Ratio Lower Upper
146 100
148 62.5 51.6 77.4
111 55.5 40.2 60.2





#15
Benzyl Alcohol
Concen: 9.685 ng
RT: 7.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

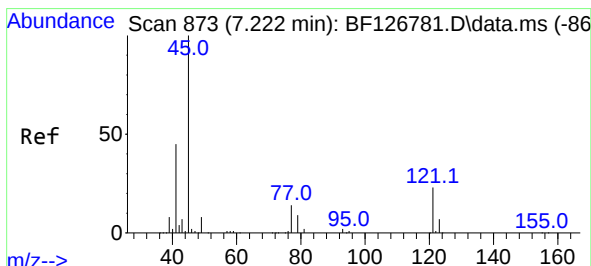
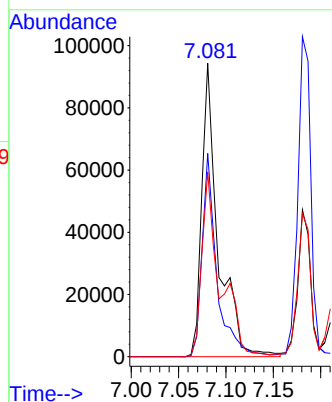
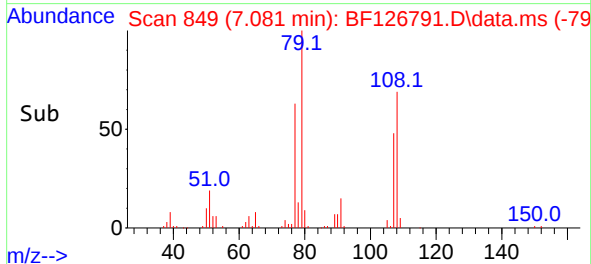
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



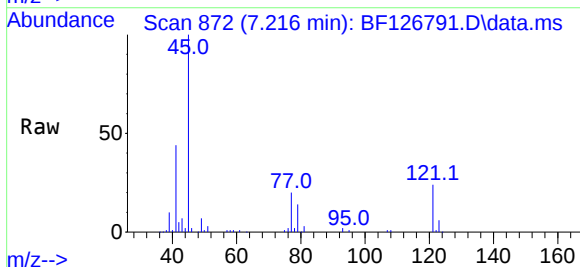
Tgt Ion: 79 Resp: 11425
Ion Ratio Lower Upper
79 100
108 69.3 63.2 94.8
77 63.0 49.4 74.2

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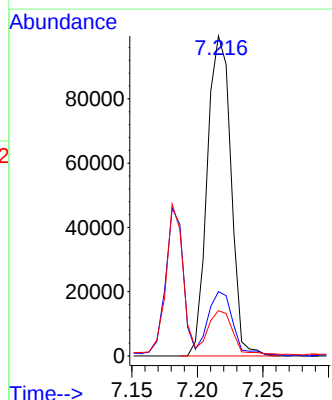
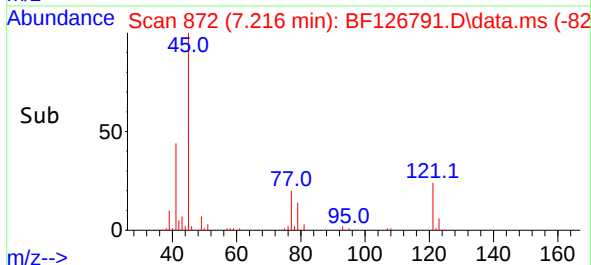
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

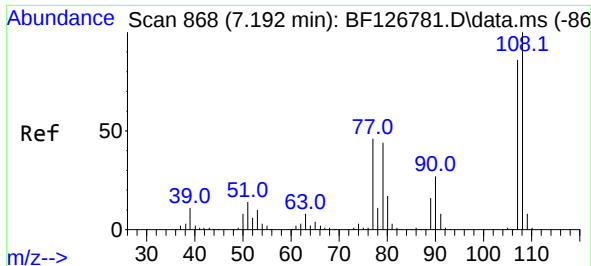


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.109 ng
RT: 7.216 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



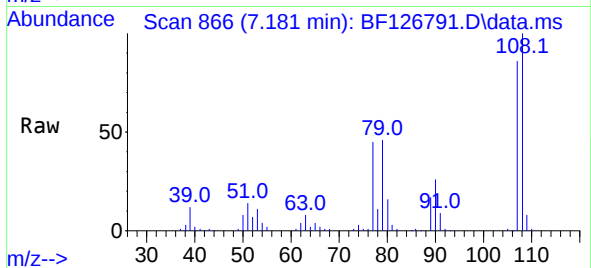
Tgt Ion: 45 Resp: 124939
Ion Ratio Lower Upper
45 100
77 20.1 0.0 32.4
79 14.1 0.0 29.8





#17
2-Methylphenol
Concen: 8.817 ng
RT: 7.181 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

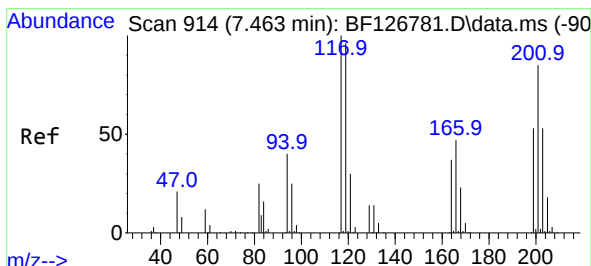
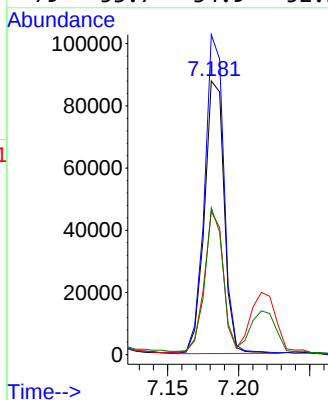
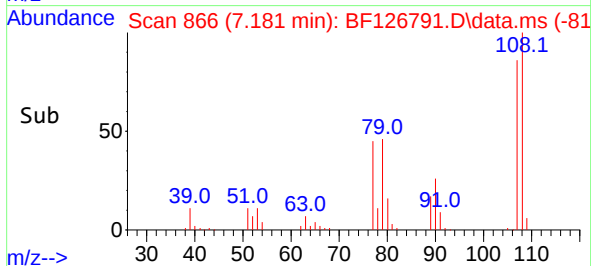
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:107 Resp: 8462
Ion Ratio Lower Upper
107 100
108 116.9 93.4 140.0
77 52.2 36.1 54.1
79 53.7 34.9 52.3#

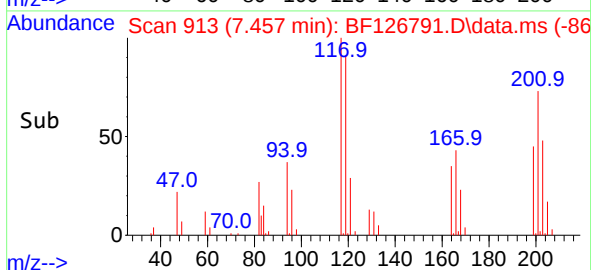
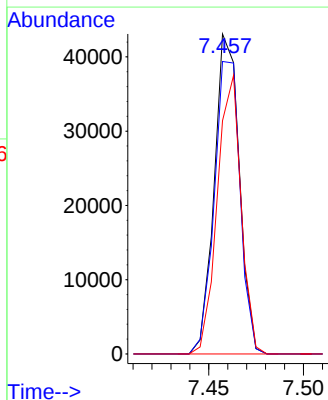
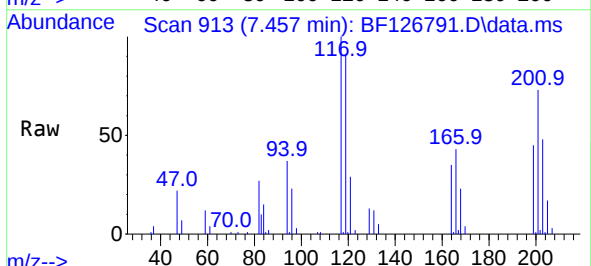
Manual Integrations
APPROVED

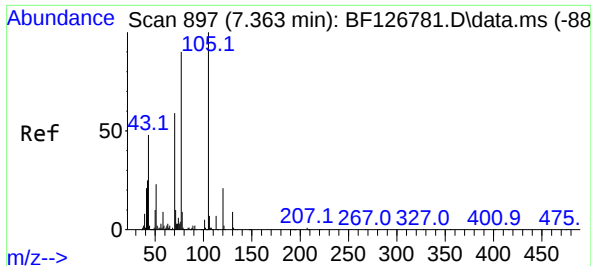
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#18
Hexachloroethane
Concen: 9.107 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

Tgt Ion:117 Resp: 39626
Ion Ratio Lower Upper
117 100
119 91.4 75.4 113.0
201 72.9 56.8 85.2





#19

n-Nitroso-di-n-propylamine

Concen: 9.055 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126791.D

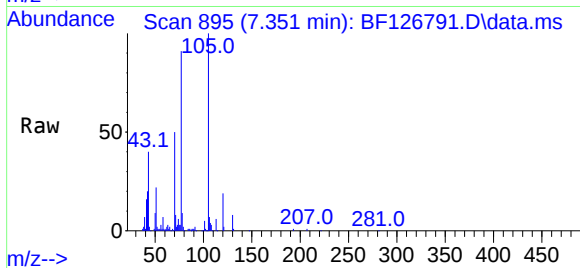
Acq: 03 Feb 2022 11:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 70 Resp: 8804

Ion Ratio Lower Upper

70 100

42 39.3 45.8 68.8

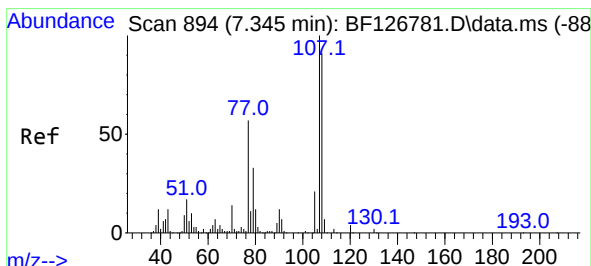
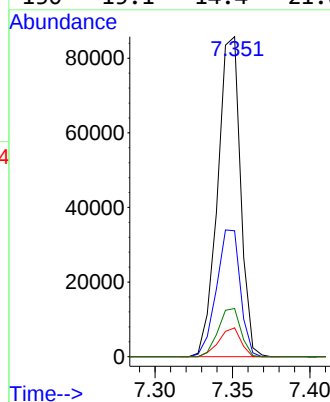
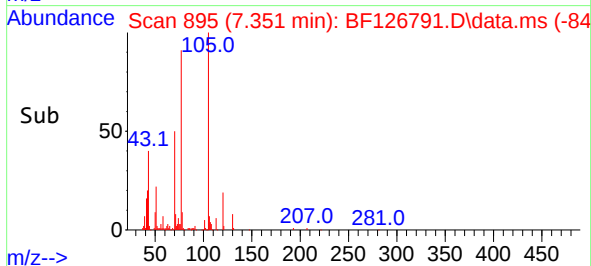
101 9.0 6.9 10.3

130 15.1 14.4 21.6

Manual Integrations

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



#20

3+4-Methylphenols

Concen: 9.242 ng

RT: 7.334 min Scan# 892

Delta R.T. -0.012 min

Lab File: BF126791.D

Acq: 03 Feb 2022 11:12

Tgt Ion:107 Resp: 111720

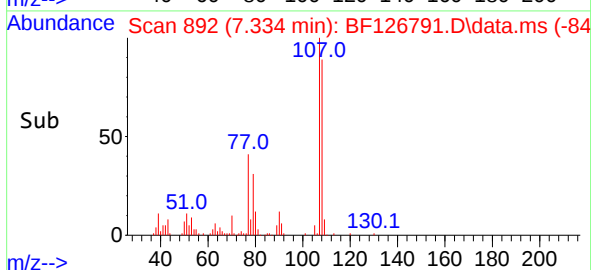
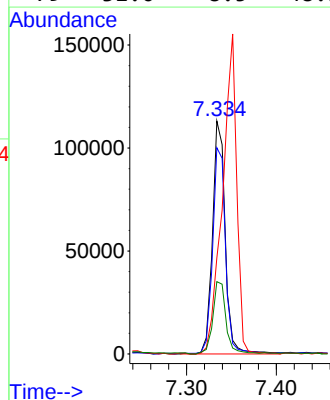
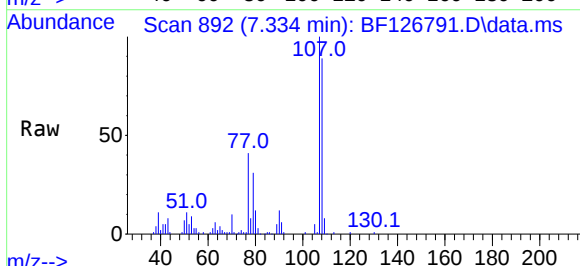
Ion Ratio Lower Upper

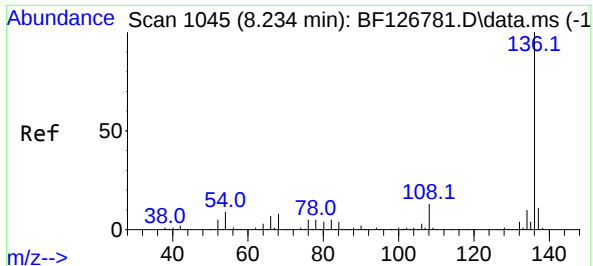
107 100

108 88.5 72.4 112.4

77 41.2 83.8 123.8

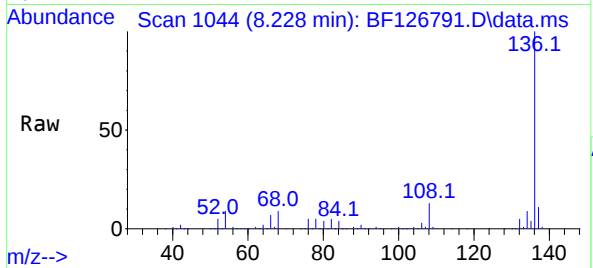
79 31.0 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

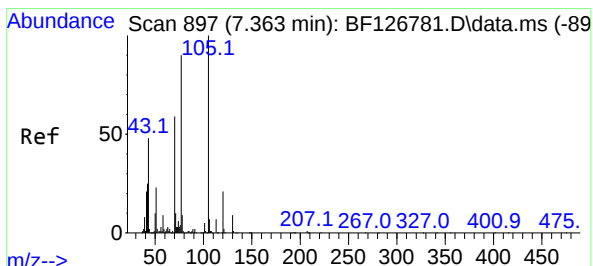
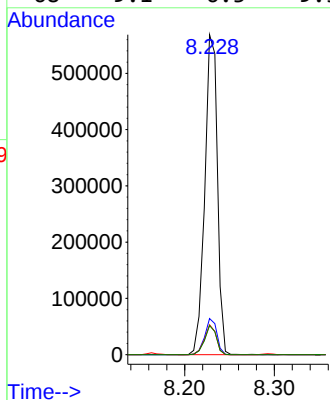
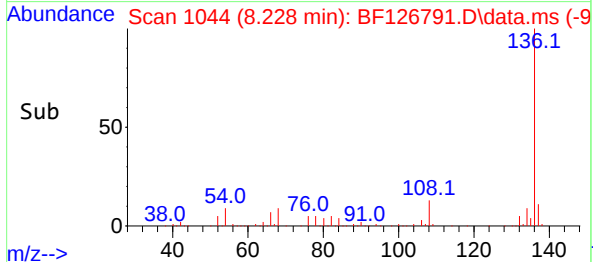
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:136 Resp: 554310
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.3 7.8 11.6
68 9.1 6.3 9.5

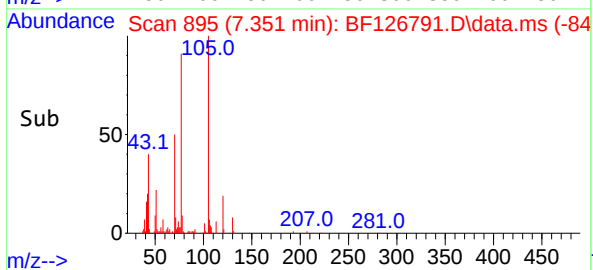
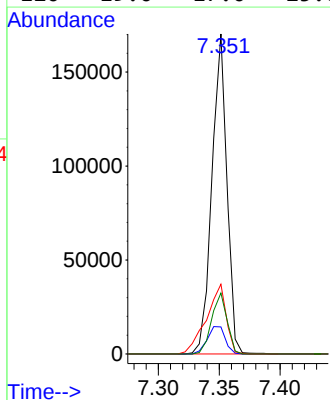
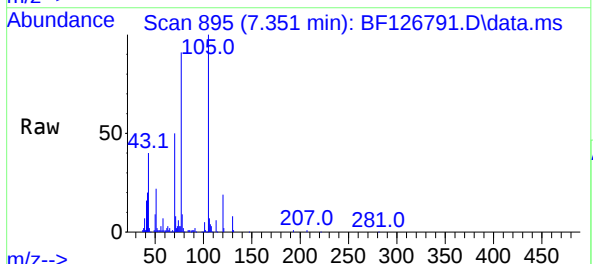
Manual Integrations
APPROVED

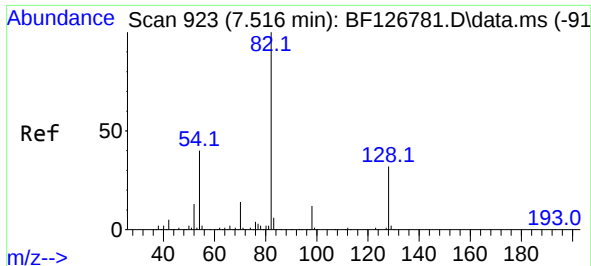
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#22
Acetophenone
Concen: 9.053 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

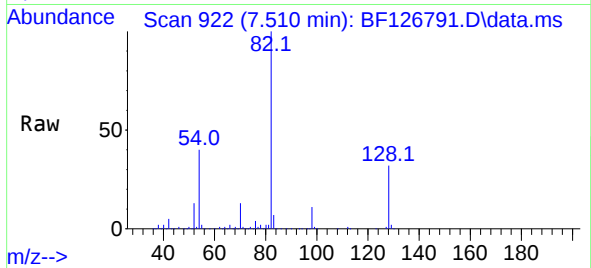
Tgt Ion:105 Resp: 145211
Ion Ratio Lower Upper
105 100
71 8.5 5.4 8.0#
51 21.8 27.4 41.0#
120 19.0 17.0 25.6





#23
Nitrobenzene-d5
Concen: 81.952 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

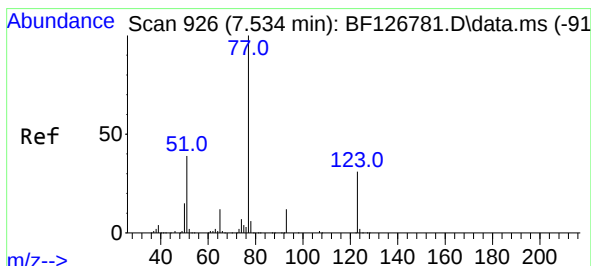
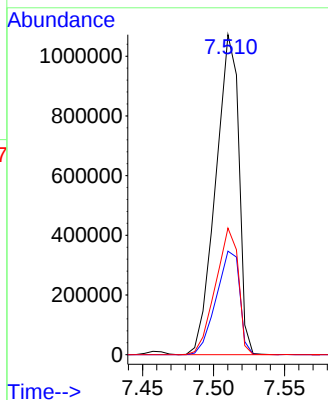
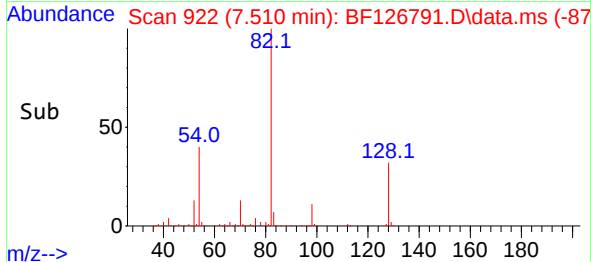
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 82 Resp: 1213809
Ion Ratio Lower Upper
82 100
128 32.4 32.7 49.1
54 39.6 41.7 62.5

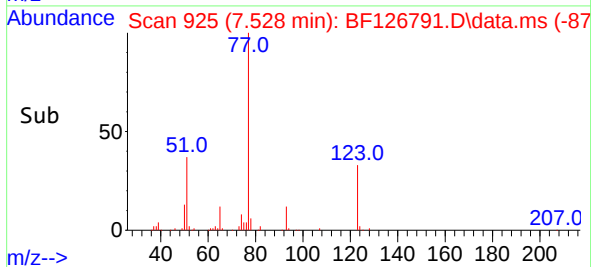
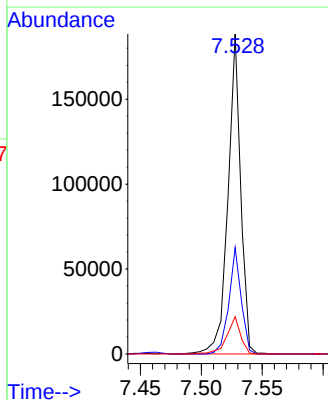
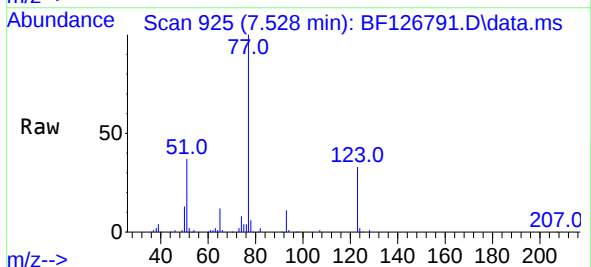
Manual Integrations
APPROVED

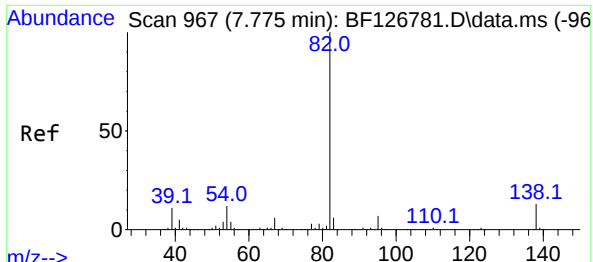
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#24
Nitrobenzene
Concen: 9.309 ng
RT: 7.528 min Scan# 925
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

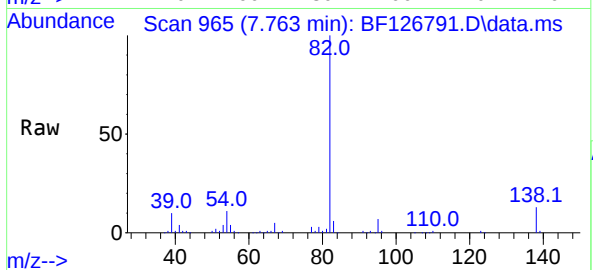
Tgt Ion: 77 Resp: 136867
Ion Ratio Lower Upper
77 100
123 33.2 34.6 52.0
65 11.6 10.6 15.8





#25
Isophorone
Concen: 8.949 ng
RT: 7.763 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

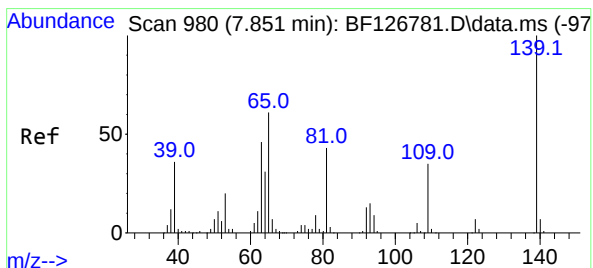
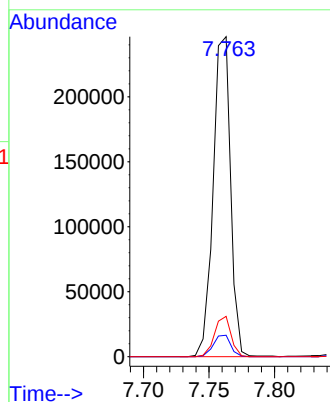
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 82 Resp: 22748
Ion Ratio Lower Upper
82 100
95 6.7 5.0 7.4
138 12.6 12.3 18.5

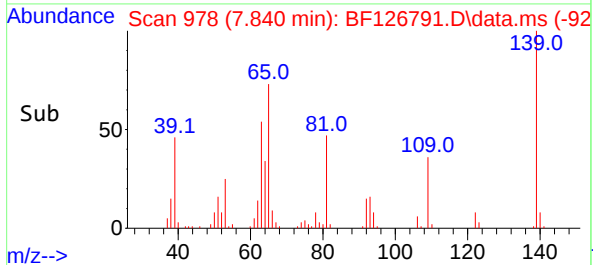
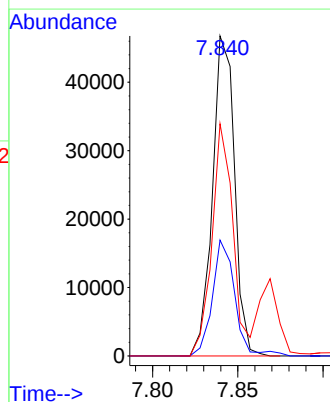
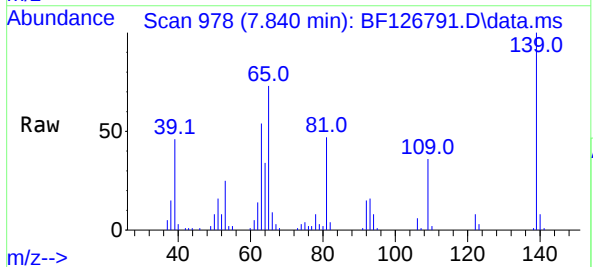
Manual Integrations
APPROVED

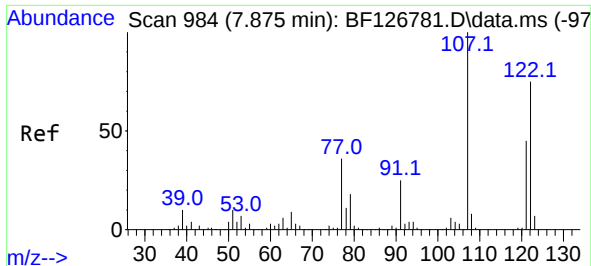
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#26
2-Nitrophenol
Concen: 8.571 ng
RT: 7.840 min Scan# 978
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

Tgt Ion:139 Resp: 41999
Ion Ratio Lower Upper
139 100
109 36.2 20.0 30.0#
65 72.6 40.8 61.2#





#27

2,4-Dimethylphenol

Concen: 10.075 ng

RT: 7.869 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF126791.D

Acq: 03 Feb 2022 11:12

Instrument :

BNA_F

ClientSampleId :

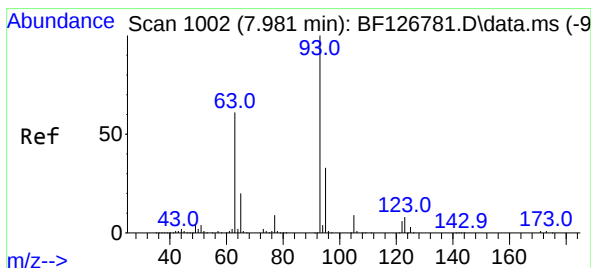
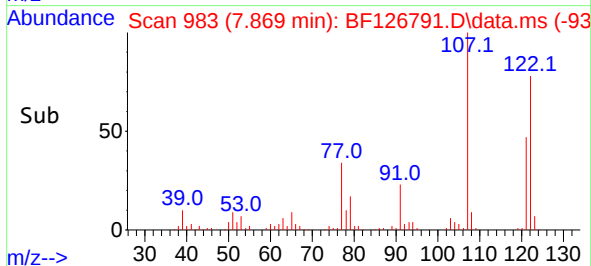
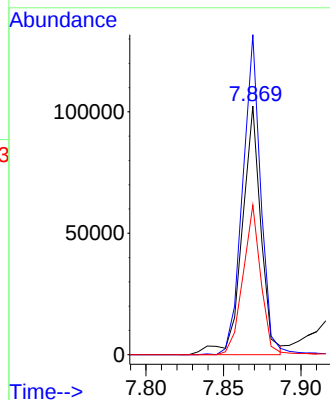
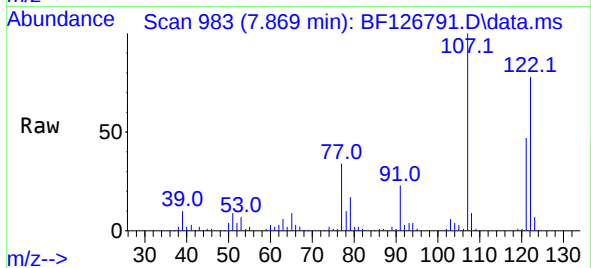
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:122 Resp: 86222
 Ion Ratio Lower Upper
 122 100
 107 128.7 91.2 136.8
 121 60.2 44.4 66.6

Manual Integrations

APPROVED

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



#28

bis(2-Chloroethoxy)methane

Concen: 8.981 ng

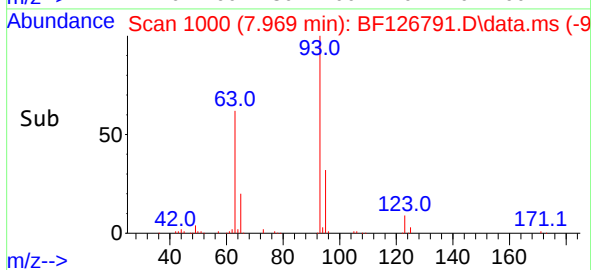
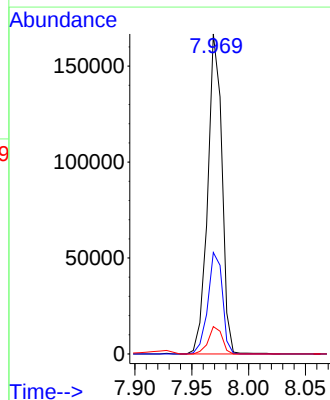
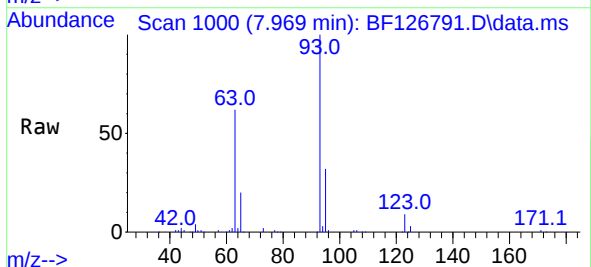
RT: 7.969 min Scan# 1000

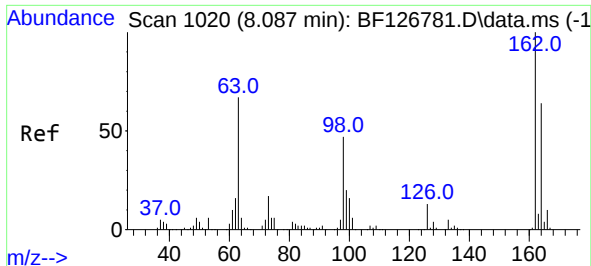
Delta R.T. -0.012 min

Lab File: BF126791.D

Acq: 03 Feb 2022 11:12

Tgt Ion: 93 Resp: 144785
 Ion Ratio Lower Upper
 93 100
 95 31.7 25.4 38.2
 123 8.5 8.9 13.3#





#29

2,4-Dichlorophenol

Concen: 8.743 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF126791.D

Acq: 03 Feb 2022 11:12

Instrument :

BNA_F

ClientSampleId :

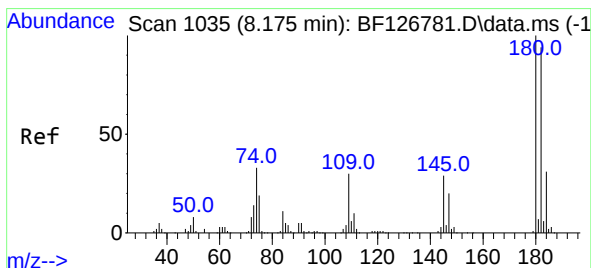
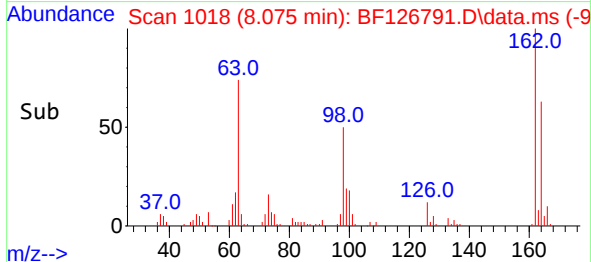
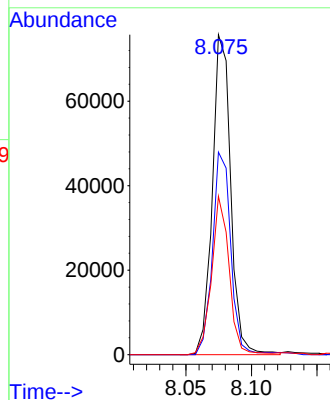
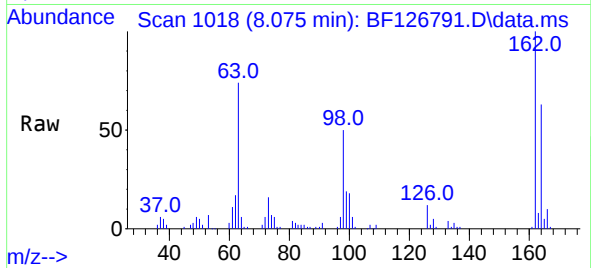
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:162	Resp:	7365
Ion Ratio	Lower	Upper
162	100	
164	63.3	43.8 83.8
98	49.5	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: 9.050 ng

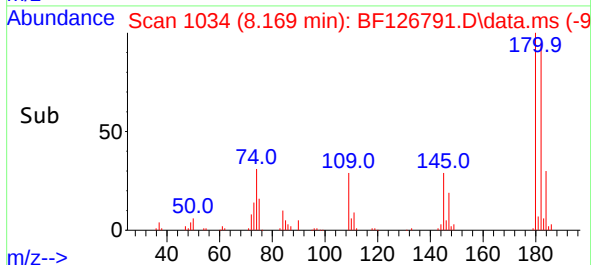
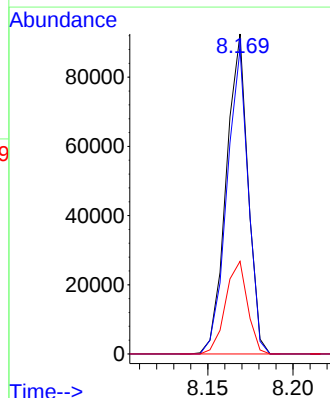
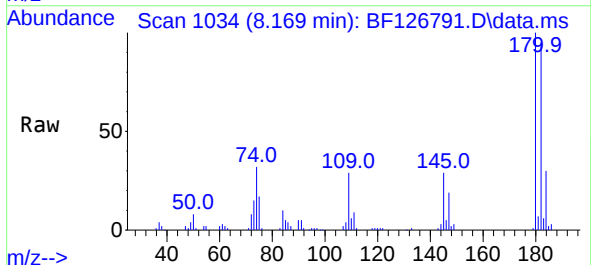
RT: 8.169 min Scan# 1034

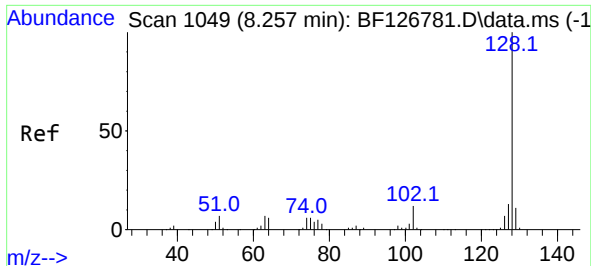
Delta R.T. -0.006 min

Lab File: BF126791.D

Acq: 03 Feb 2022 11:12

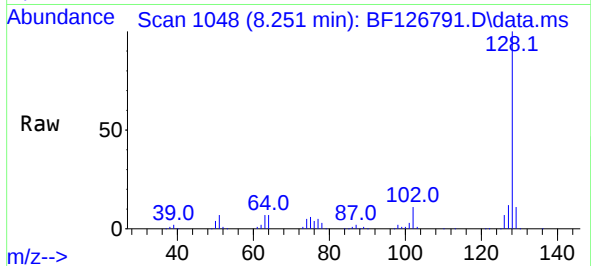
Tgt Ion:180	Resp:	81997
Ion Ratio	Lower	Upper
180	100	
182	95.3	75.5 113.3
145	28.9	26.2 39.2





#31
Naphthalene
Concen: 9.567 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

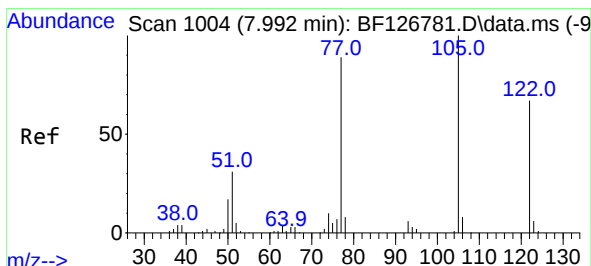
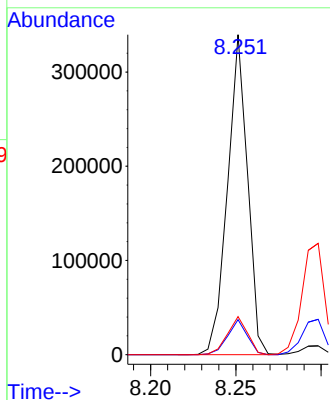
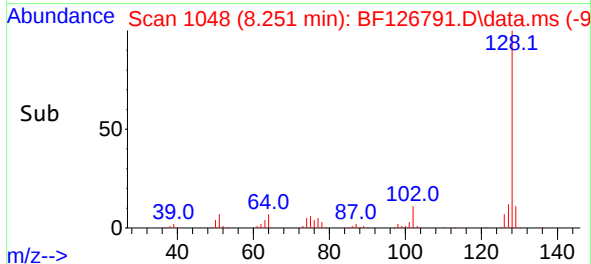
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:128 Resp: 277174
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 11.9 10.3 15.5

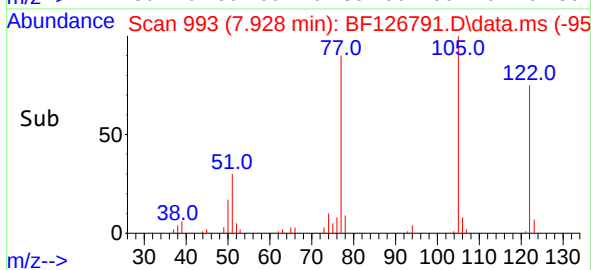
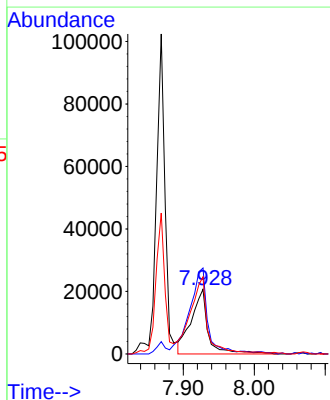
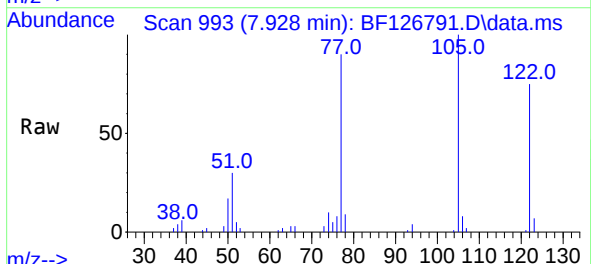
Manual Integrations
APPROVED

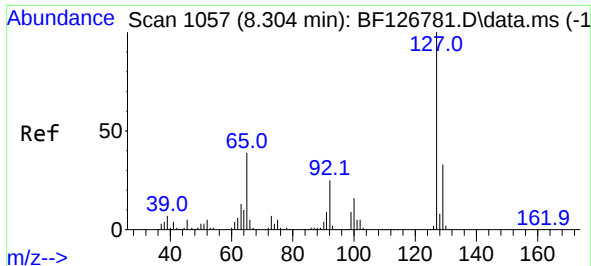
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#32
Benzoic acid
Concen: 5.237 ng
RT: 7.928 min Scan# 993
Delta R.T. -0.065 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

Tgt Ion:122 Resp: 34591
Ion Ratio Lower Upper
122 100
105 132.9 101.0 141.0
77 119.3 74.5 114.5#





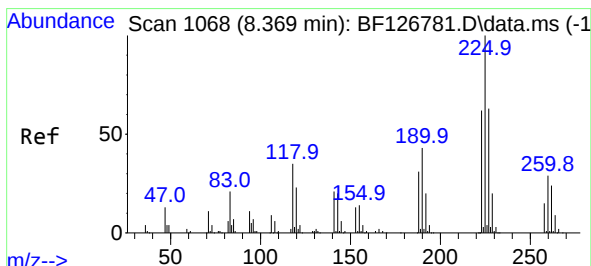
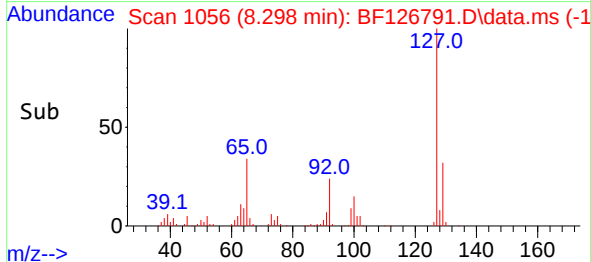
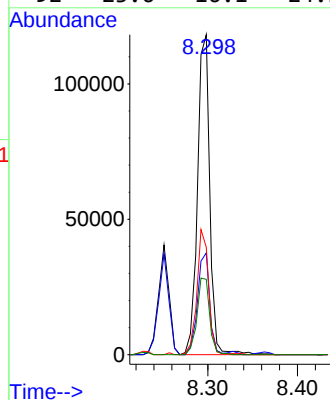
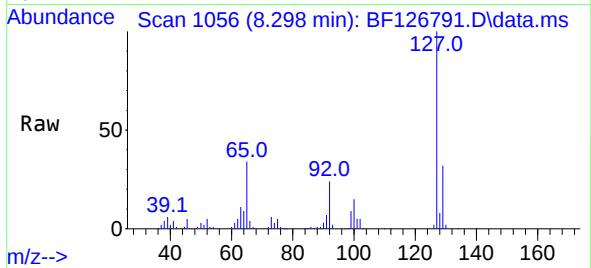
#33
4-Chloroaniline
Concen: 9.597 ng
RT: 8.298 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

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

Tgt Ion:	127	Resp:	11234
Ion Ratio	Lower	Upper	
127	100		
129	31.8	26.5	39.7
65	33.5	26.6	39.8
92	23.6	16.1	24.1

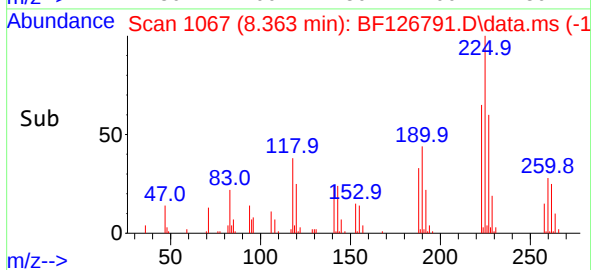
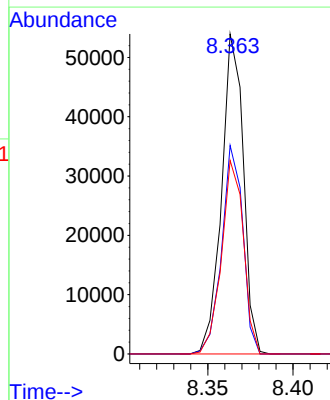
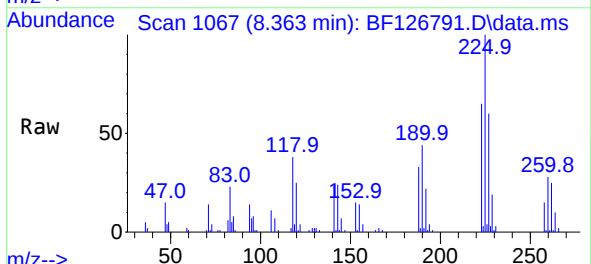
Manual Integrations
APPROVED

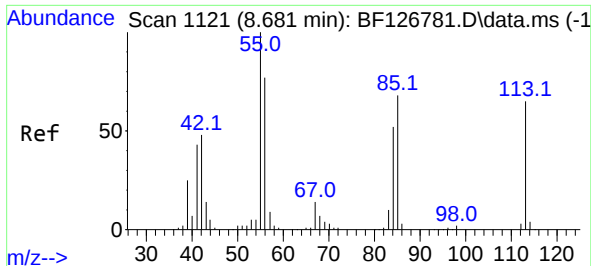
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#34
Hexachlorobutadiene
Concen: 8.429 ng
RT: 8.363 min Scan# 1067
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

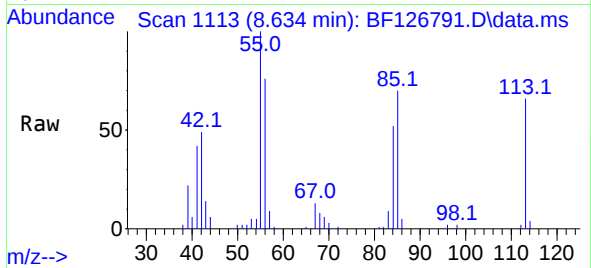
Tgt Ion:	225	Resp:	47870
Ion Ratio	Lower	Upper	
225	100		
223	65.1	48.6	73.0
227	60.5	51.4	77.0





#35
Caprolactam
Concen: 8.430 ng
RT: 8.634 min Scan# 1113
Delta R.T. -0.047 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

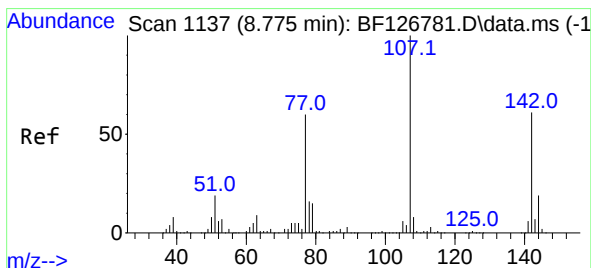
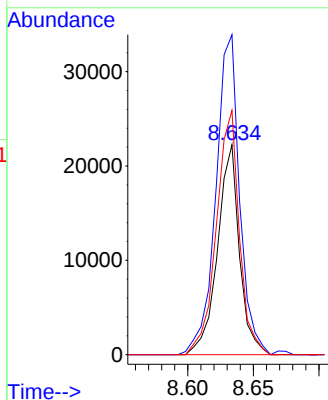
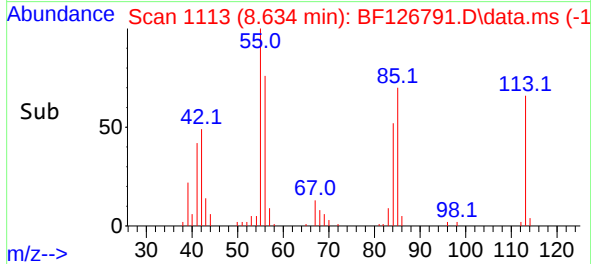
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



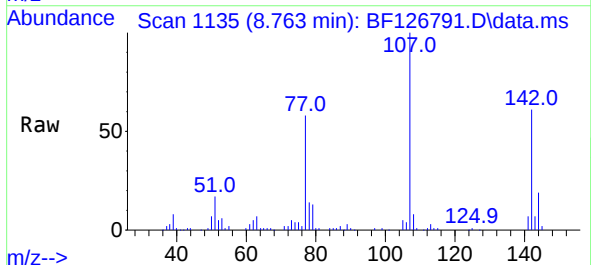
Tgt Ion:113 Resp: 2584
Ion Ratio Lower Upper
113 100
55 152.4 183.9 223.9
56 116.4 129.9 169.9

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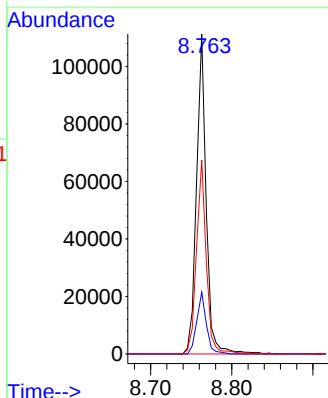
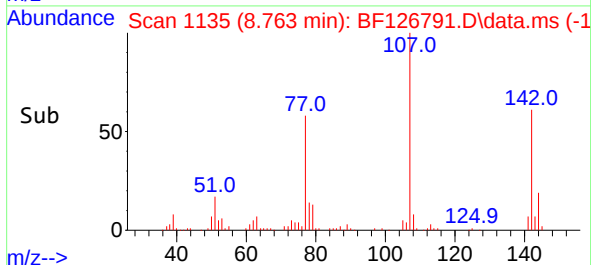
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

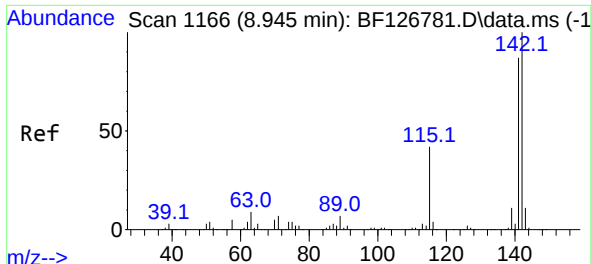


#36
4-Chloro-3-methylphenol
Concen: 8.669 ng
RT: 8.763 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



Tgt Ion:107 Resp: 93095
Ion Ratio Lower Upper
107 100
144 19.3 18.5 27.7
142 60.6 58.1 87.1





#37

2-Methylnaphthalene

Concen: 9.911 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF126791.D

Acq: 03 Feb 2022 11:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:142 Resp: 17693

Ion Ratio Lower Upper

142 100

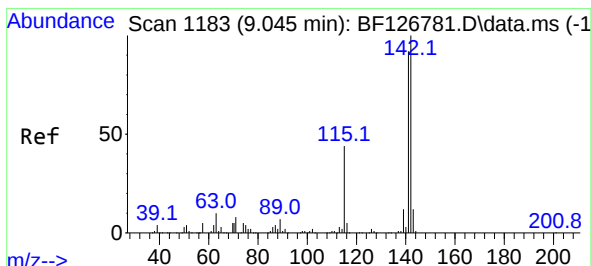
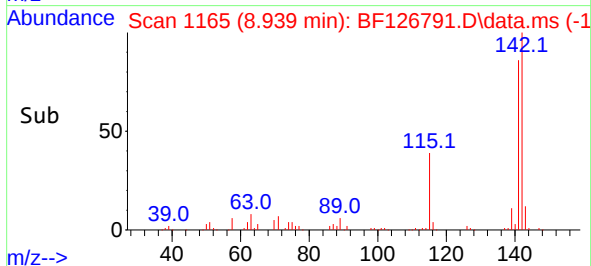
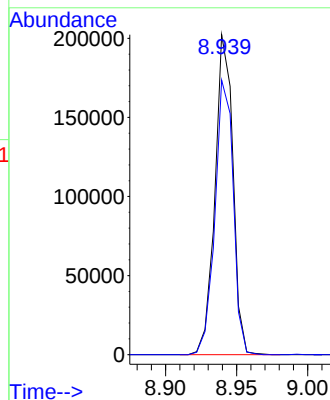
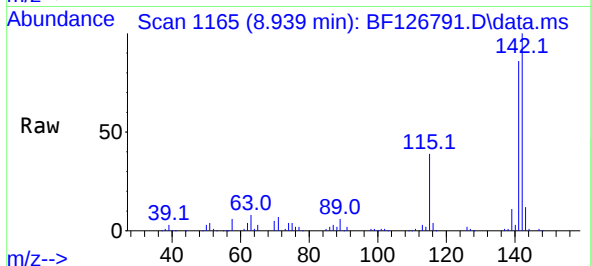
141 85.8 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2022

Supervised By :mohammad ahmed 02/10/2022



#38

1-Methylnaphthalene

Concen: 9.493 ng

RT: 9.039 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF126791.D

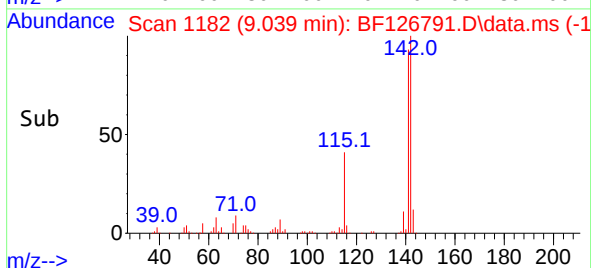
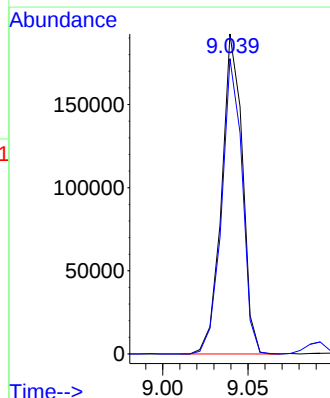
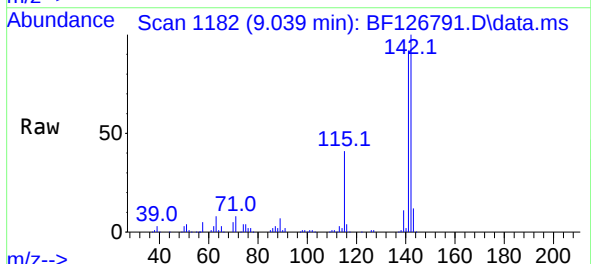
Acq: 03 Feb 2022 11:12

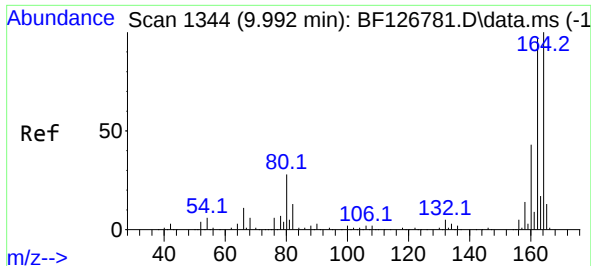
Tgt Ion:142 Resp: 163140

Ion Ratio Lower Upper

142 100

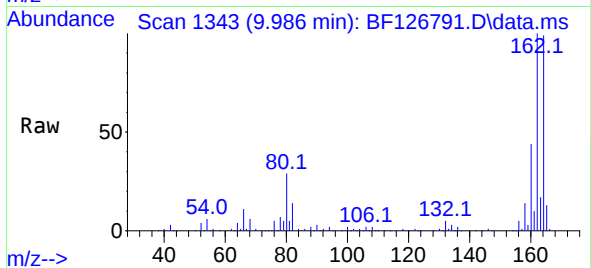
141 92.3 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

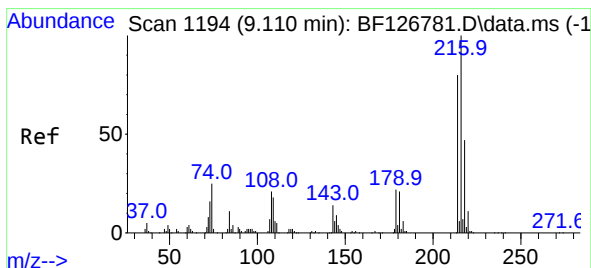
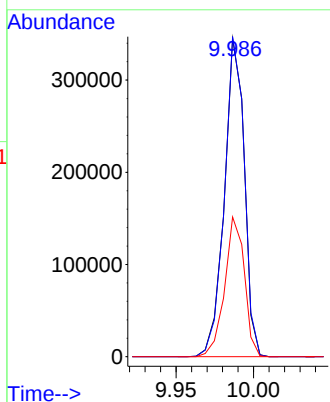
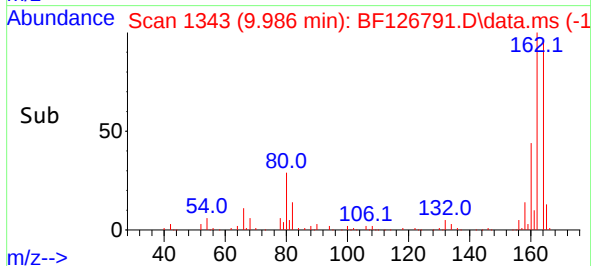
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



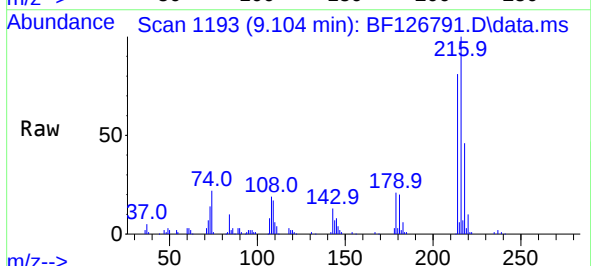
Tgt Ion:164 Resp: 30862
Ion Ratio Lower Upper
164 100
162 100.6 81.4 122.0
160 43.9 36.6 54.8

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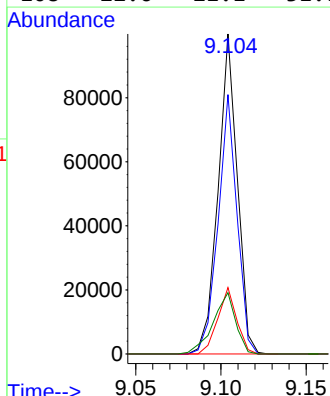
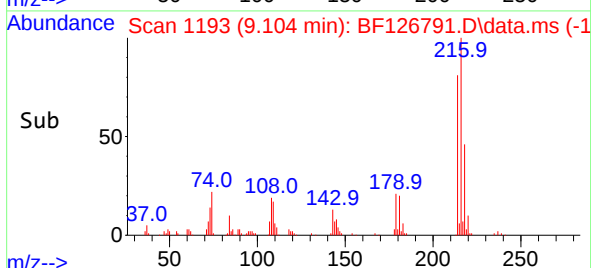
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

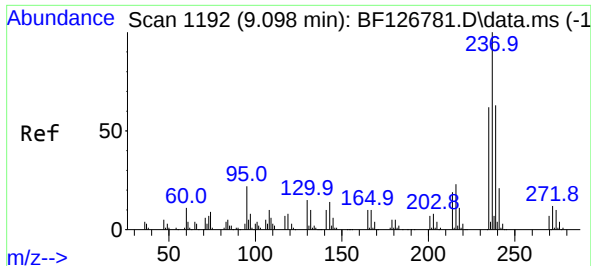


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.814 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



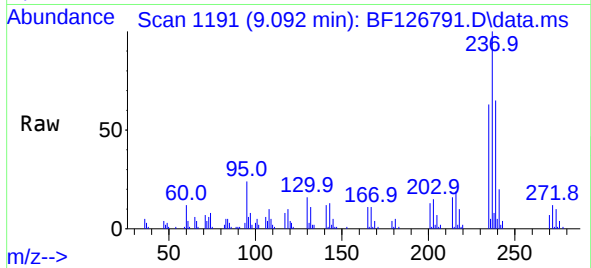
Tgt Ion:216 Resp: 78319
Ion Ratio Lower Upper
216 100
214 79.7 64.6 96.8
179 20.5 19.5 29.3
108 22.6 21.1 31.7





#41
Hexachlorocyclopentadiene
Concen: 9.354 ng
RT: 9.092 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

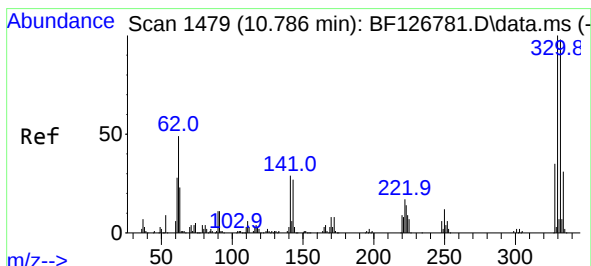
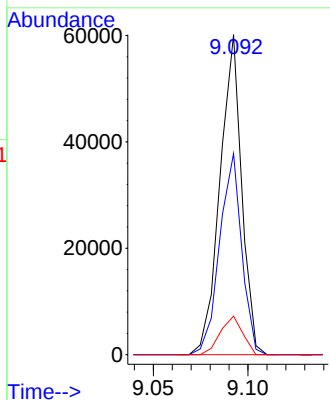
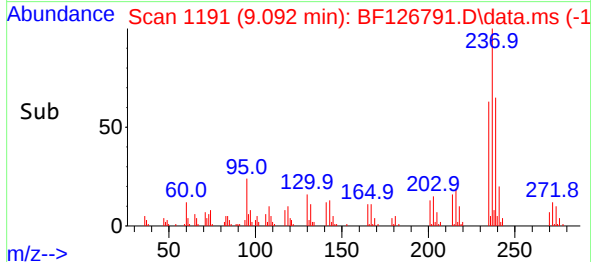
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



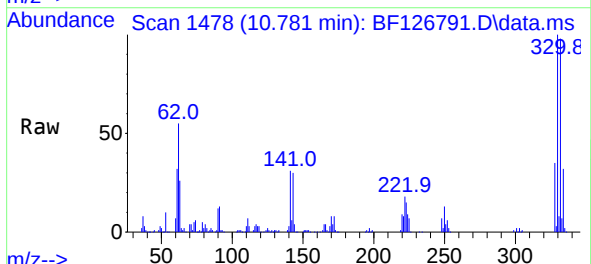
Tgt Ion:237 Resp: 4791
Ion Ratio Lower Upper
237 100
235 62.9 38.9 78.9
272 12.1 0.0 33.5

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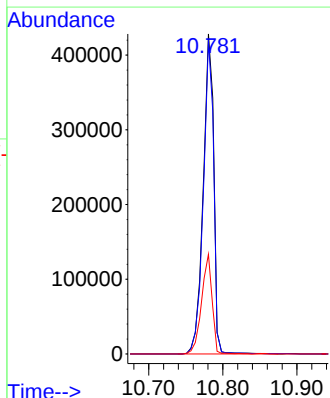
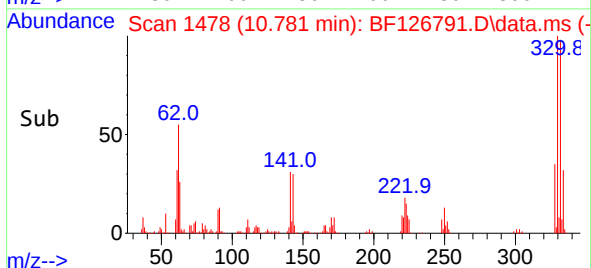
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

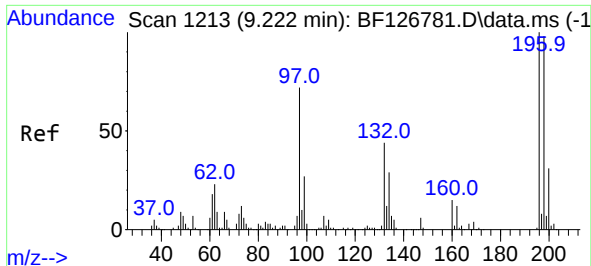


#42
2,4,6-Tribromophenol
Concen: 132.469 ng
RT: 10.781 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



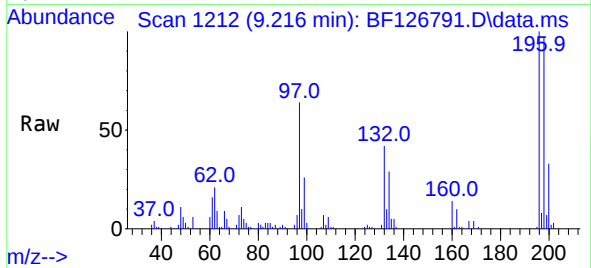
Tgt Ion:330 Resp: 424304
Ion Ratio Lower Upper
330 100
332 96.2 76.0 114.0
141 31.1 30.1 45.1





#43
2,4,6-Trichlorophenol
Concen: 8.208 ng
RT: 9.216 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

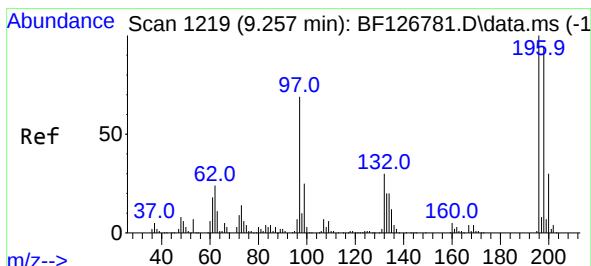
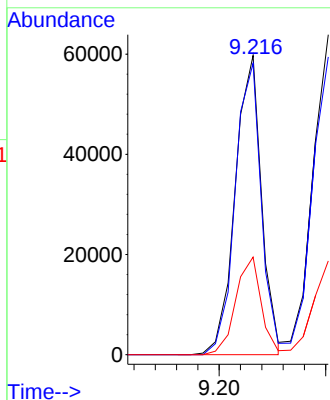
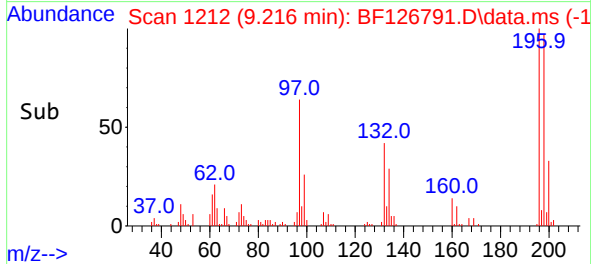
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



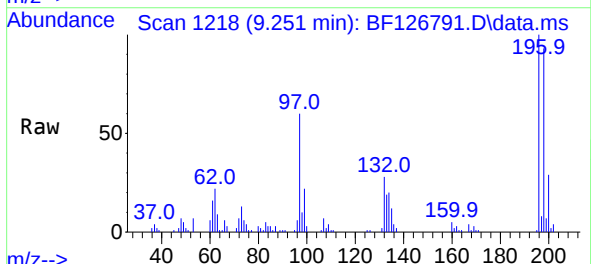
Tgt Ion:196 Resp: 51384
Ion Ratio Lower Upper
196 100
198 97.4 78.5 117.7
200 32.6 24.9 37.3

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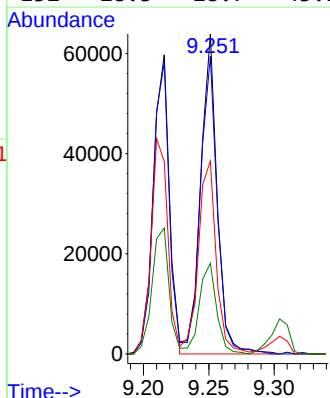
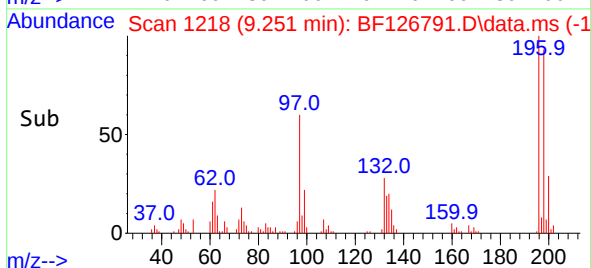
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

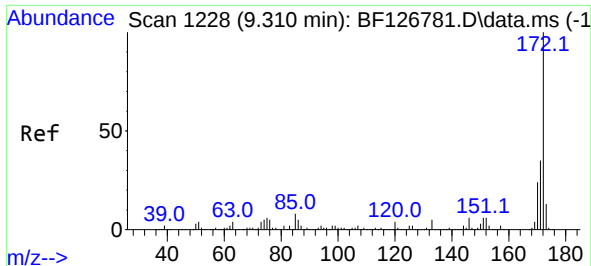


#44
2,4,5-Trichlorophenol
Concen: 8.633 ng m
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



Tgt Ion:196 Resp: 56424
Ion Ratio Lower Upper
196 100
198 93.0 82.0 123.0
97 60.3 53.5 80.3
132 28.3 28.7 43.1#





#45

2-Fluorobiphenyl

Concen: 82.511 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF126791.D

Acq: 03 Feb 2022 11:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:172 Resp: 153789

Ion Ratio Lower Upper

172 100

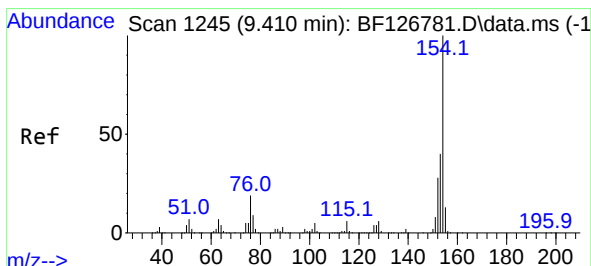
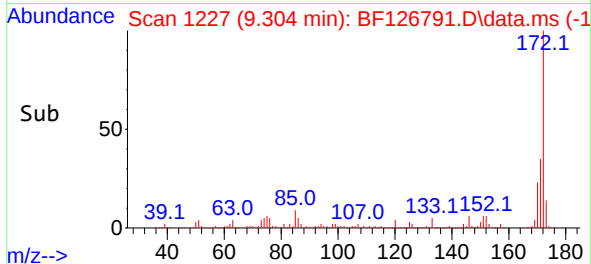
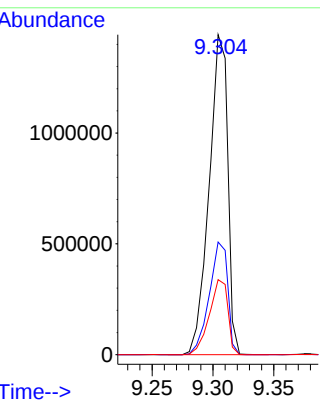
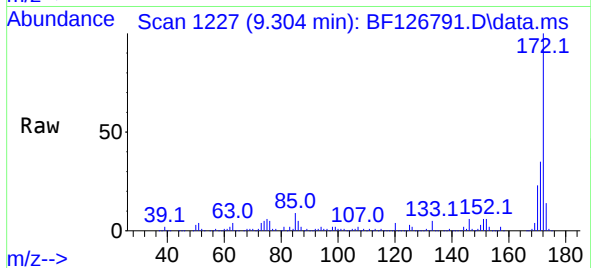
171 35.2 28.3 42.5

170 23.4 19.0 28.6

Manual Integrations

APPROVED

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



#46

1,1'-Biphenyl

Concen: 9.174 ng

RT: 9.404 min Scan# 1244

Delta R.T. -0.006 min

Lab File: BF126791.D

Acq: 03 Feb 2022 11:12

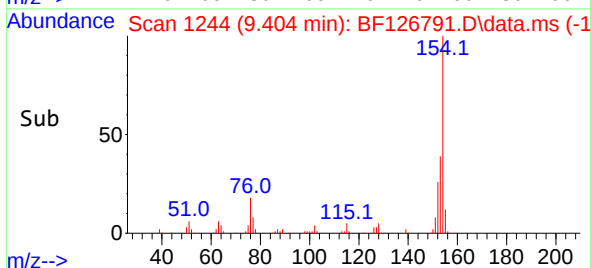
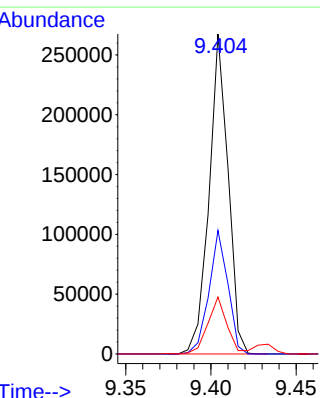
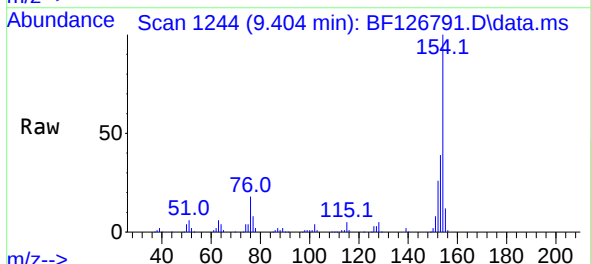
Tgt Ion:154 Resp: 207364

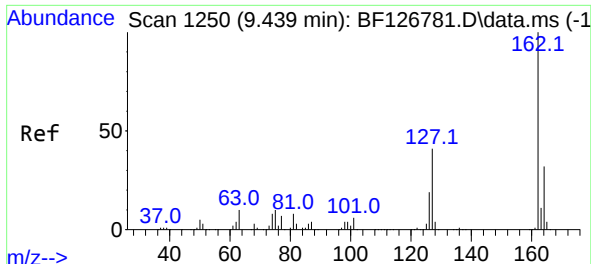
Ion Ratio Lower Upper

154 100

153 38.6 19.0 59.0

76 17.8 0.0 34.5





#47

2-Chloronaphthalene

Concen: 9.359 ng

RT: 9.434 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126791.D

Acq: 03 Feb 2022 11:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:162 Resp: 167680

Ion Ratio Lower Upper

162 100

127 39.8 33.5 50.3

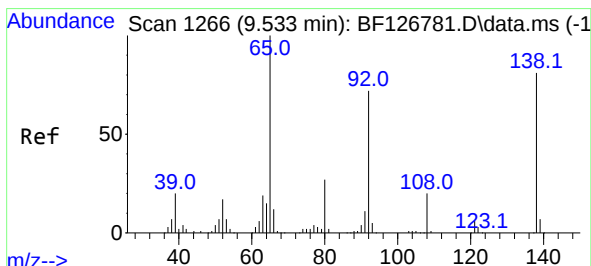
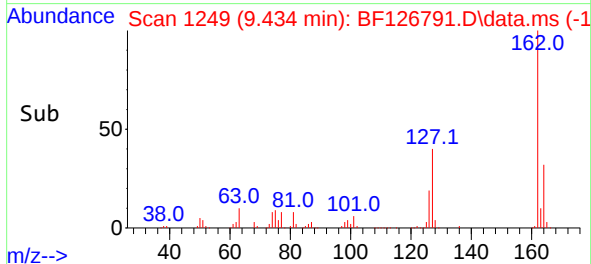
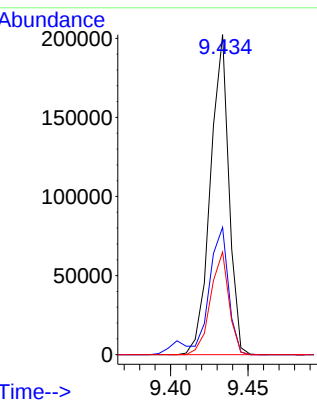
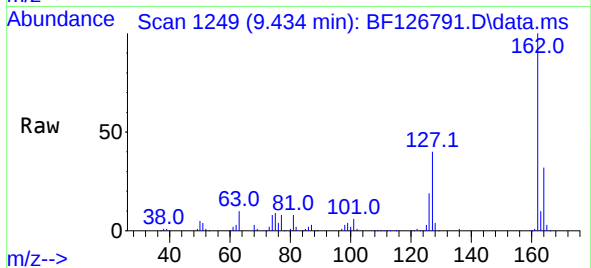
164 32.1 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2022

Supervised By :mohammad ahmed 02/10/2022



#48

2-Nitroaniline

Concen: 8.683 ng

RT: 9.522 min Scan# 1264

Delta R.T. -0.012 min

Lab File: BF126791.D

Acq: 03 Feb 2022 11:12

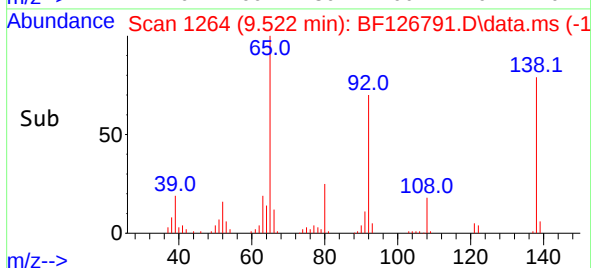
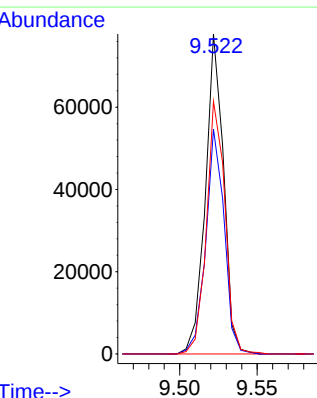
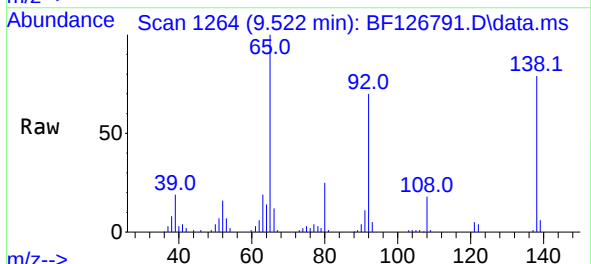
Tgt Ion: 65 Resp: 63436

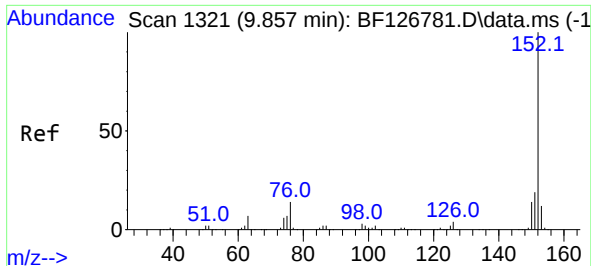
Ion Ratio Lower Upper

65 100

92 70.2 54.4 81.6

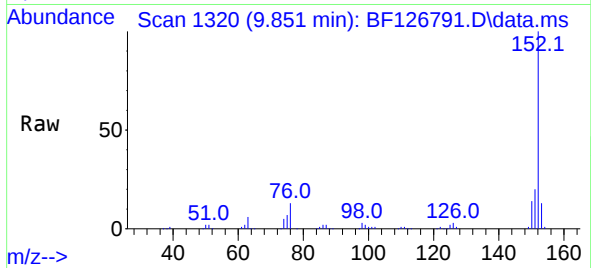
138 79.0 72.5 108.7





#49
Acenaphthylene
Concen: 9.537 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

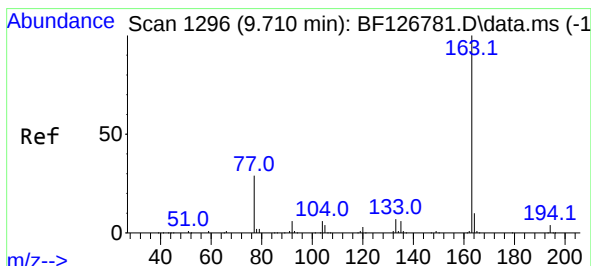
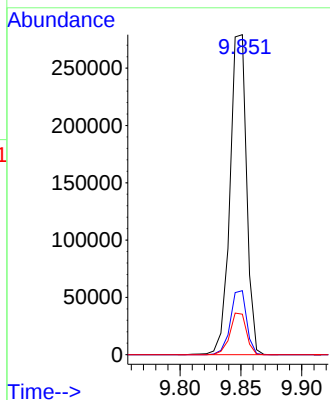
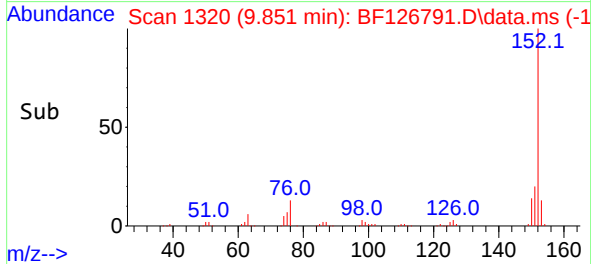
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



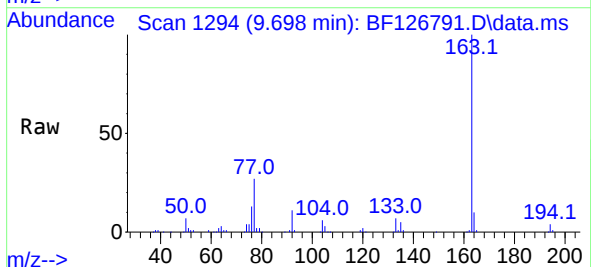
Tgt Ion:152 Resp: 26383
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 12.6 11.4 17.0

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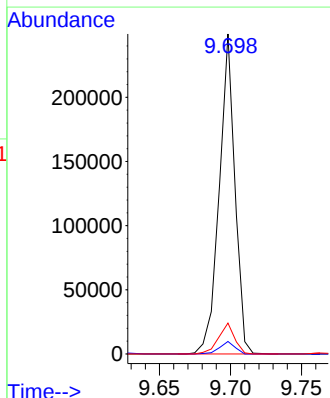
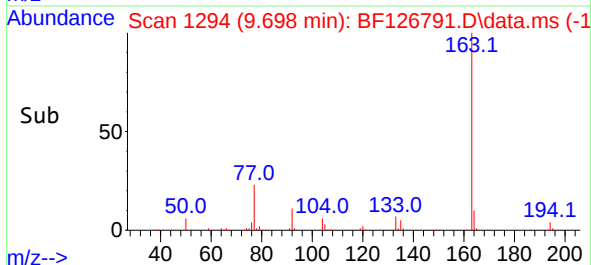
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

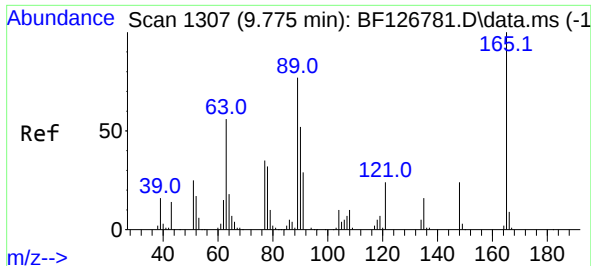


#50
Dimethylphthalate
Concen: 8.969 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



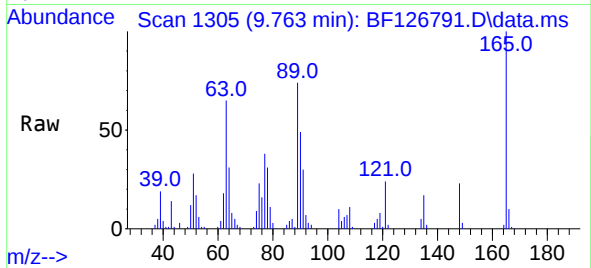
Tgt Ion:163 Resp: 191333
Ion Ratio Lower Upper
163 100
194 3.9 2.6 3.8#
164 9.6 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 9.218 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

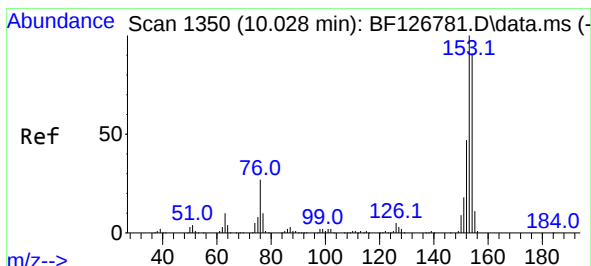
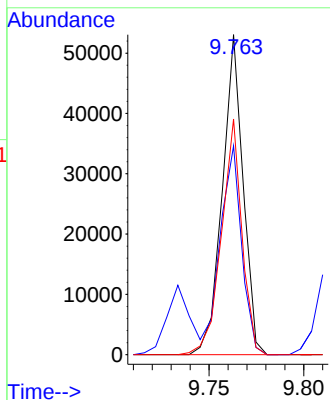
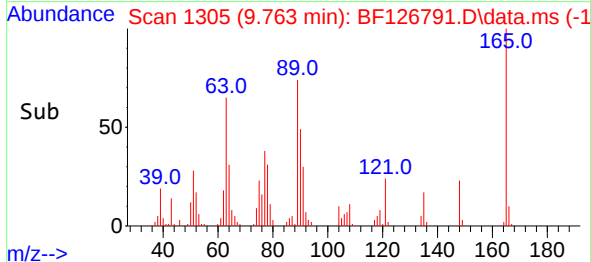
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



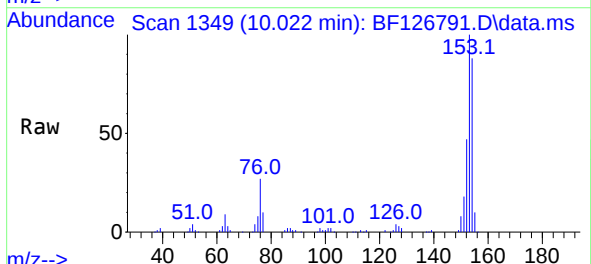
Tgt Ion:165 Resp: 40390
Ion Ratio Lower Upper
165 100
63 65.3 48.4 72.6
89 73.7 50.5 75.7

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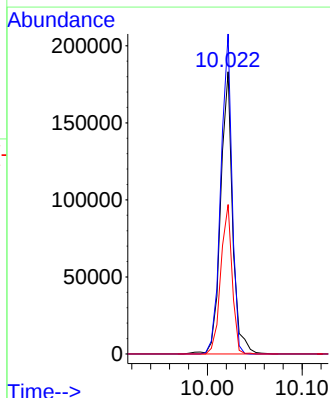
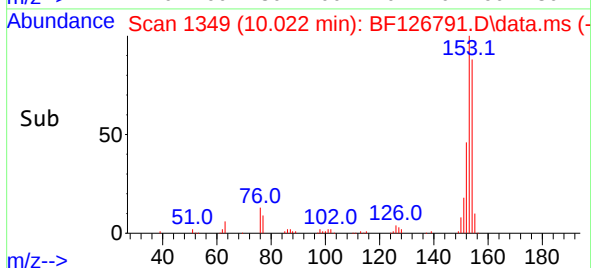
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

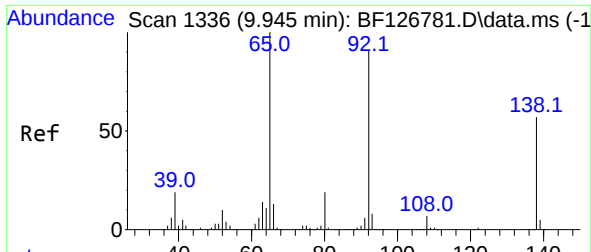


#52
Acenaphthene
Concen: 9.133 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



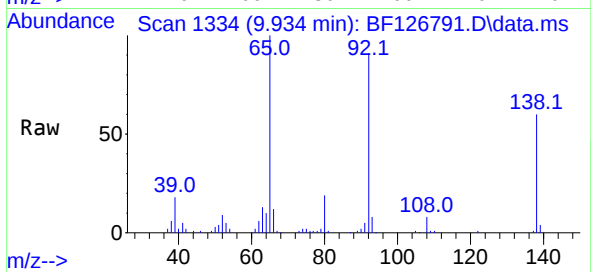
Tgt Ion:154 Resp: 161100
Ion Ratio Lower Upper
154 100
153 113.4 87.8 131.6
152 53.0 39.4 59.2





#53
3-Nitroaniline
Concen: 9.060 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

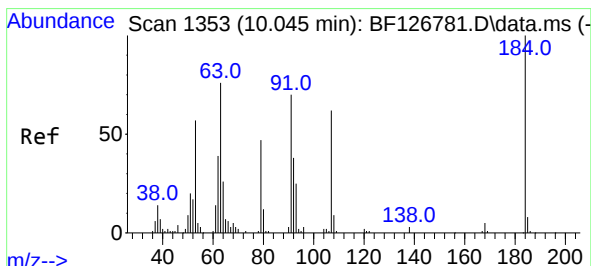
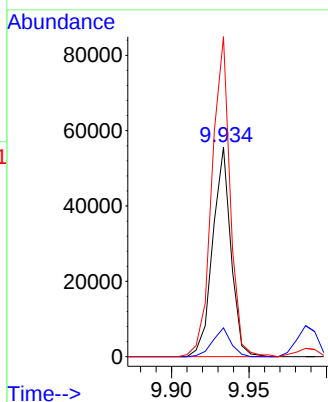
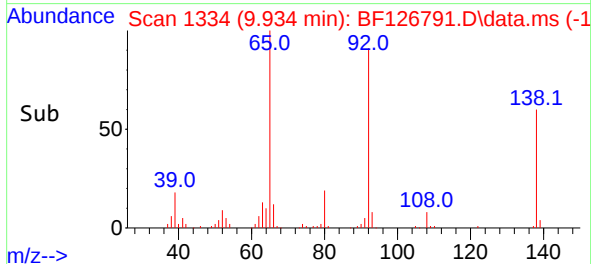
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:138 Resp: 45240
Ion Ratio Lower Upper
138 100
108 13.7 8.6 13.0
92 152.6 105.0 157.6

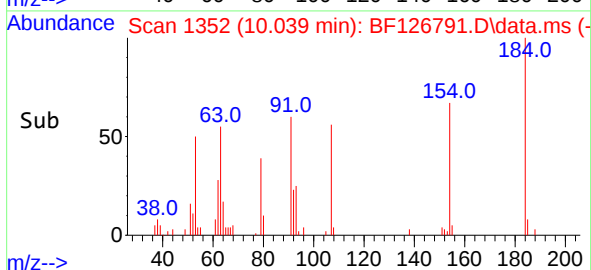
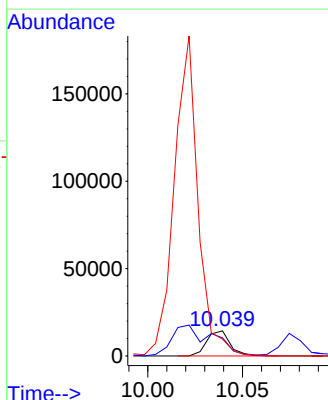
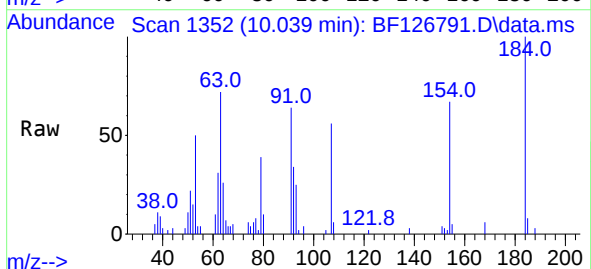
Manual Integrations
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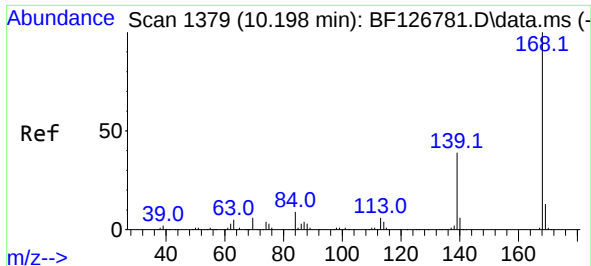
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#54
2,4-Dinitrophenol
Concen: 5.336 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

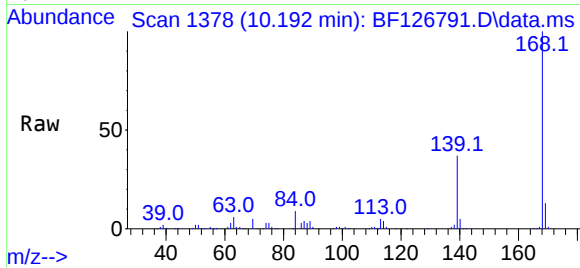
Tgt Ion:184 Resp: 12317
Ion Ratio Lower Upper
184 100
63 72.3 70.4 105.6
154 66.8 49.7 74.5





#55
Dibenzenofuran
Concen: 9.114 ng
RT: 10.192 min Scan# 1379
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

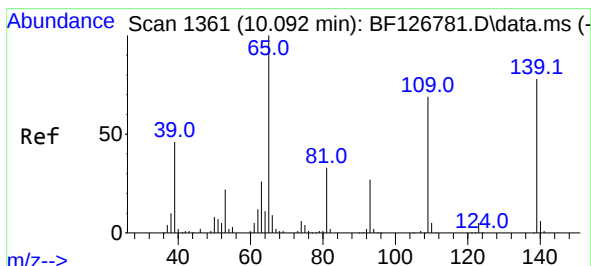
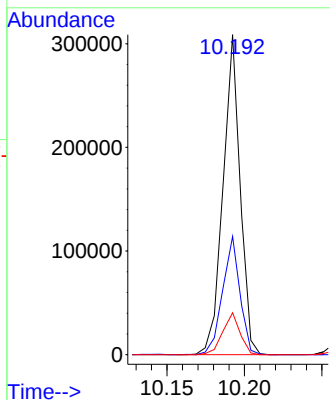
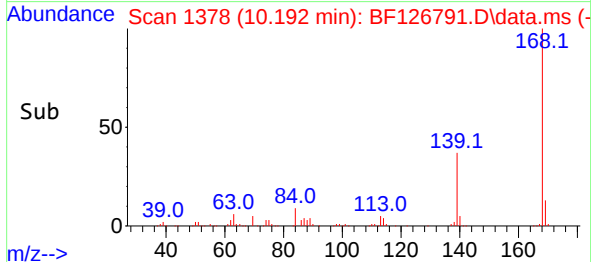
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



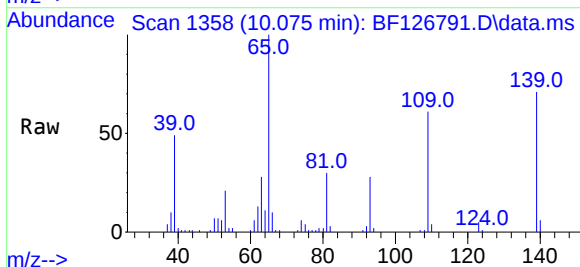
Tgt Ion:168 Resp: 23727
Ion Ratio Lower Upper
168 100
139 36.9 30.6 46.0
169 13.1 10.0 15.0

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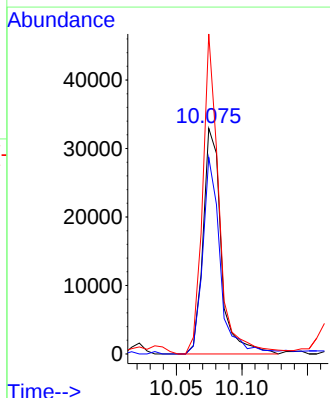
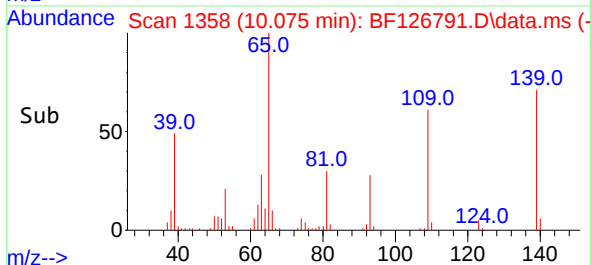
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

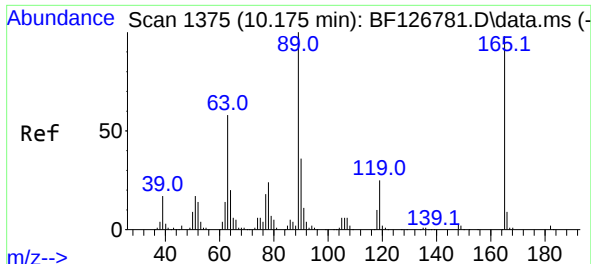


#56
4-Nitrophenol
Concen: 8.399 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.018 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



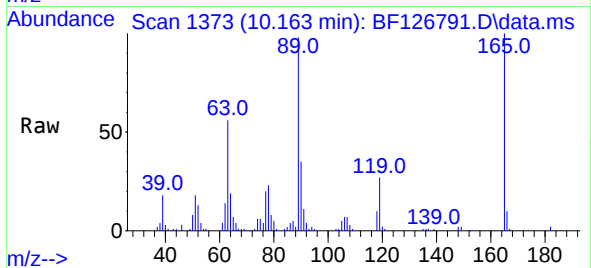
Tgt Ion:139 Resp: 31763
Ion Ratio Lower Upper
139 100
109 87.1 44.1 84.1#
65 141.8 85.5 125.5#





#57
2,4-Dinitrotoluene
Concen: 8.902 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

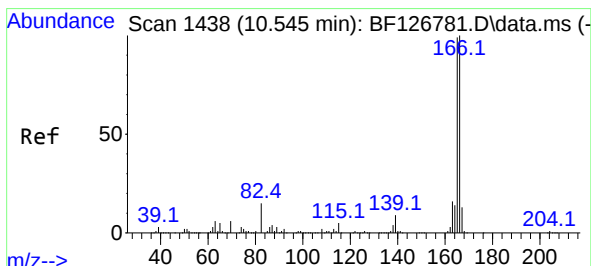
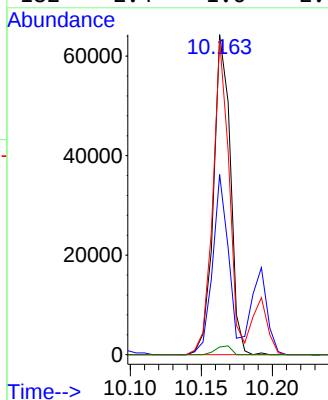
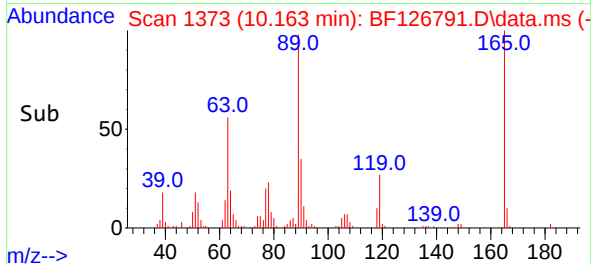
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



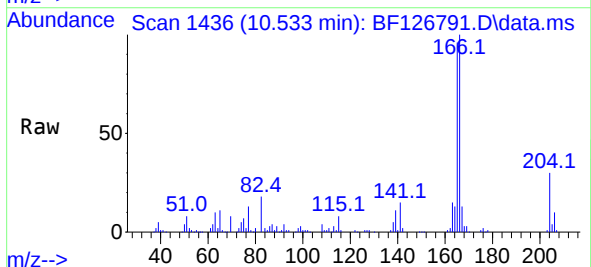
Tgt Ion:165 Resp: 52870
Ion Ratio Lower Upper
165 100
63 56.3 43.0 64.6
89 98.3 71.0 106.4
182 2.4 1.6 2.4#

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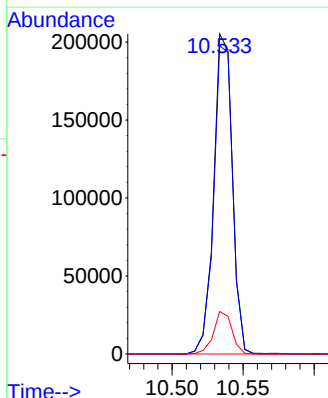
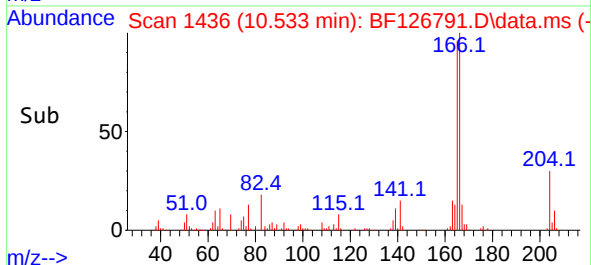
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

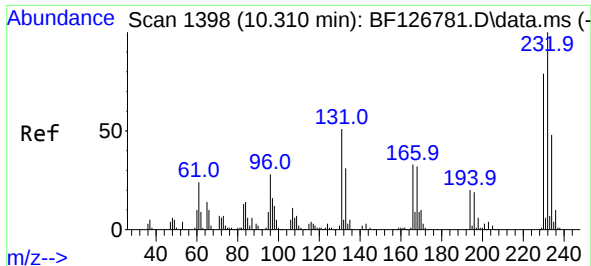


#58
Fluorene
Concen: 9.712 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



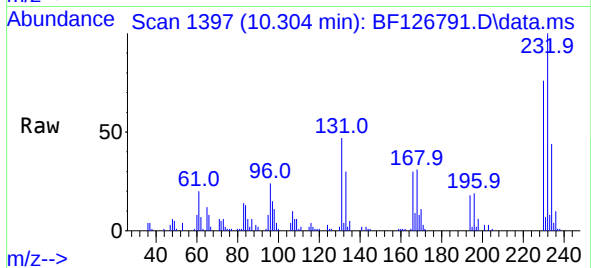
Tgt Ion:166 Resp: 187090
Ion Ratio Lower Upper
166 100
165 96.3 77.7 116.5
167 13.2 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.099 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

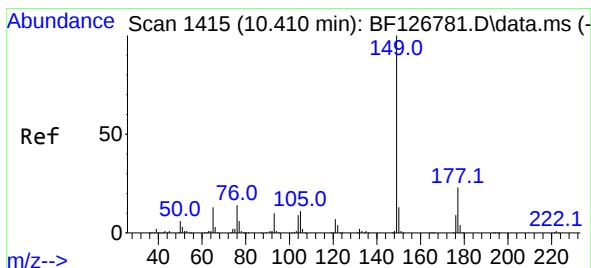
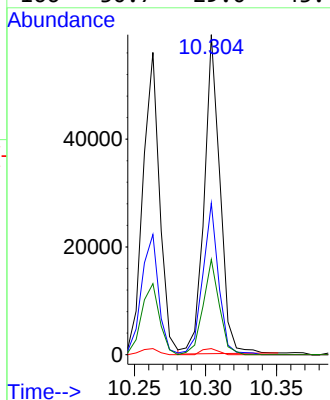
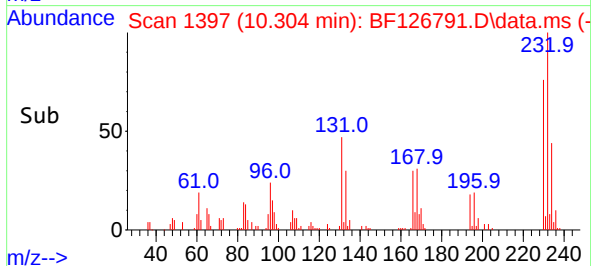
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



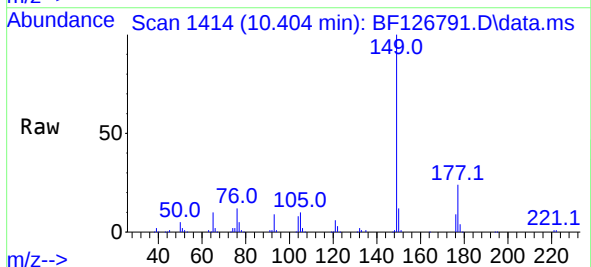
Tgt Ion:232 Resp: 4581
Ion Ratio Lower Upper
232 100
131 47.6 50.0 75.0
130 2.0 2.2 3.2
166 30.7 29.0 43.4

Manual Integrations
APPROVED

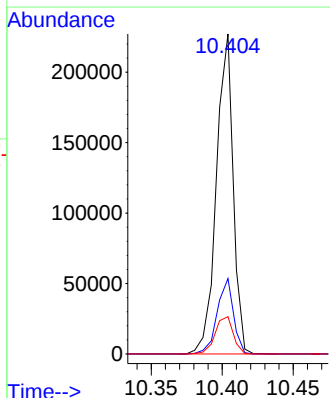
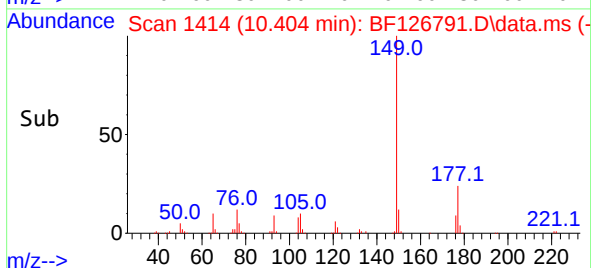
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

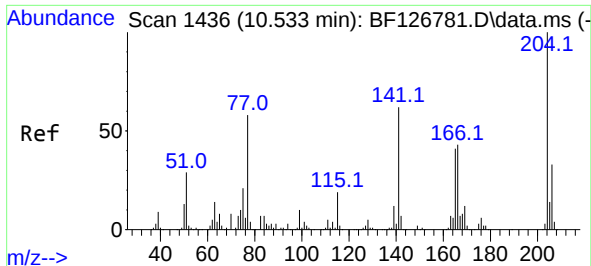


#60
Diethylphthalate
Concen: 8.912 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



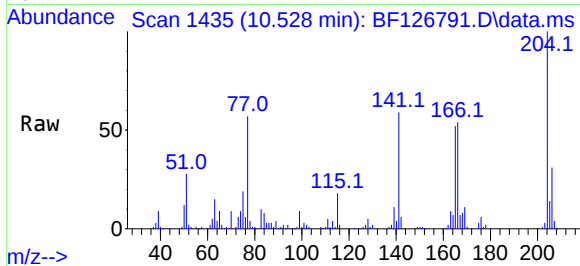
Tgt Ion:149 Resp: 186798
Ion Ratio Lower Upper
149 100
177 23.6 16.7 25.1
150 11.7 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 9.350 ng
RT: 10.528 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

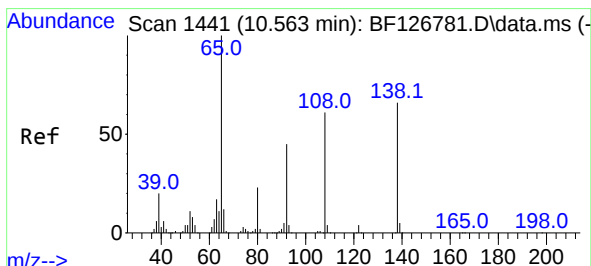
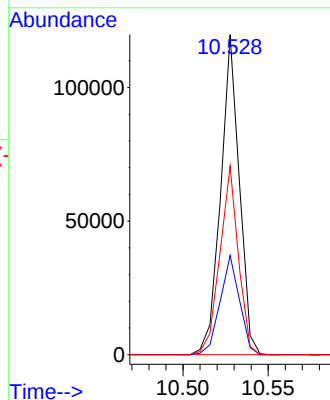
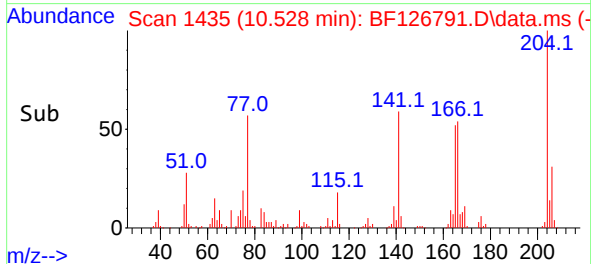
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



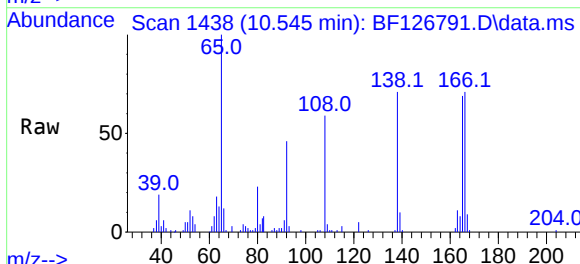
Tgt Ion:204 Resp: 91100
Ion Ratio Lower Upper
204 100
206 31.0 26.3 39.5
141 58.9 59.0 88.6

Manual Integrations
APPROVED

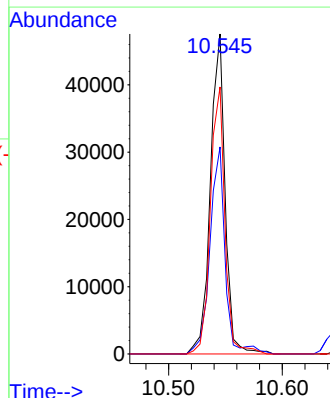
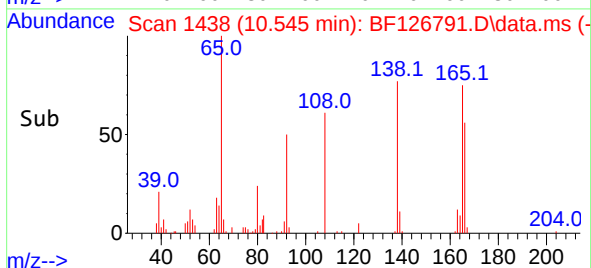
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

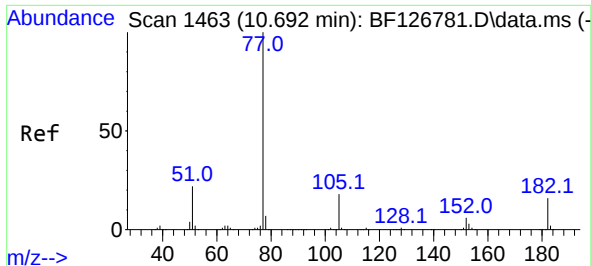


#62
4-Nitroaniline
Concen: 9.031 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.018 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



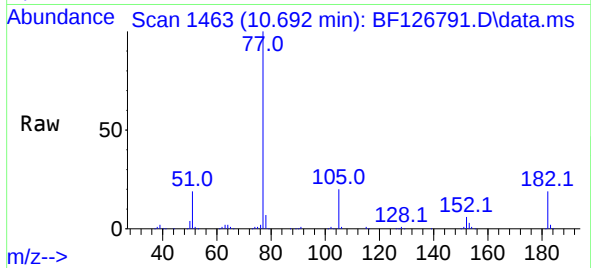
Tgt Ion:138 Resp: 42793
Ion Ratio Lower Upper
138 100
92 64.7 36.2 76.2
108 83.5 46.7 86.7





#63
Azobenzene
Concen: 9.218 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

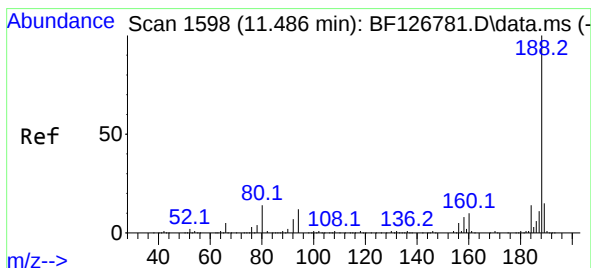
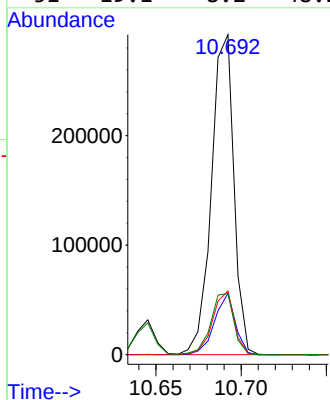
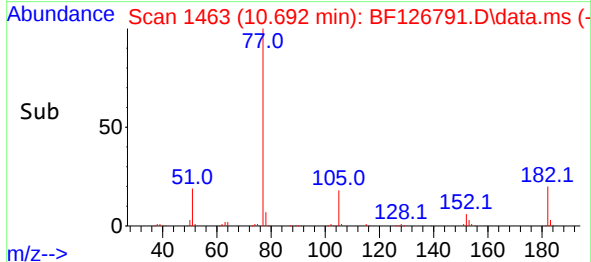
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



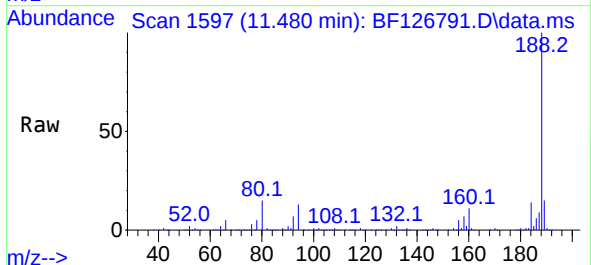
Tgt Ion: 77 Resp: 26810
Ion Ratio Lower Upper
77 100
182 19.2 0.0 39.0
105 19.9 3.2 43.2
51 19.1 8.2 48.2

Manual Integrations
APPROVED

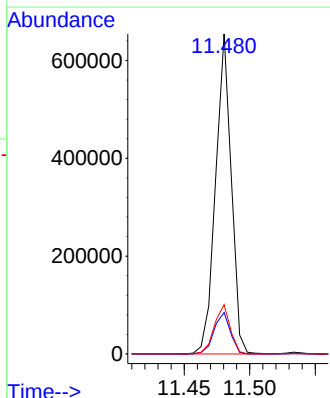
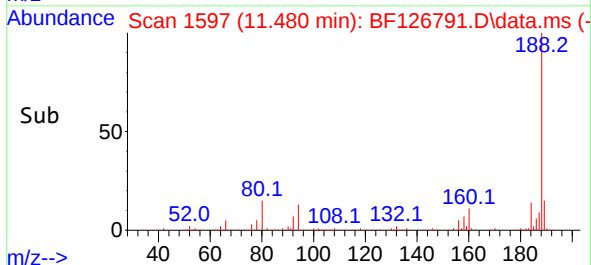
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

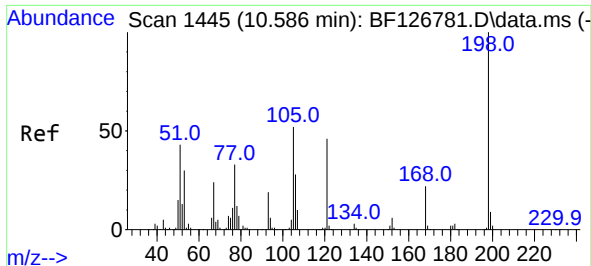


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



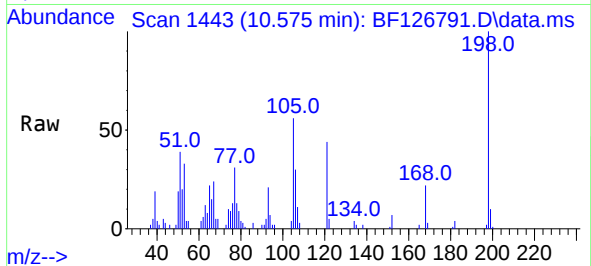
Tgt Ion:188 Resp: 543810
Ion Ratio Lower Upper
188 100
94 12.9 10.1 15.1
80 15.4 11.8 17.6





#65
4,6-Dinitro-2-methylphenol
Concen: 6.346 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

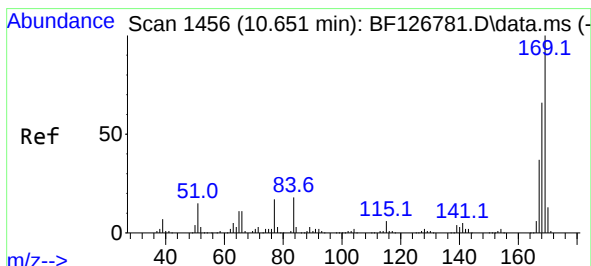
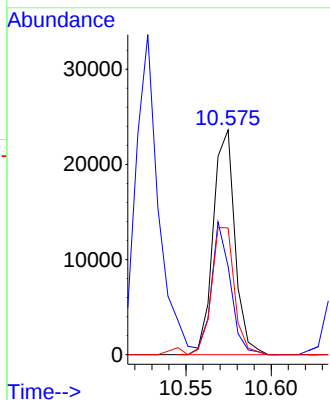
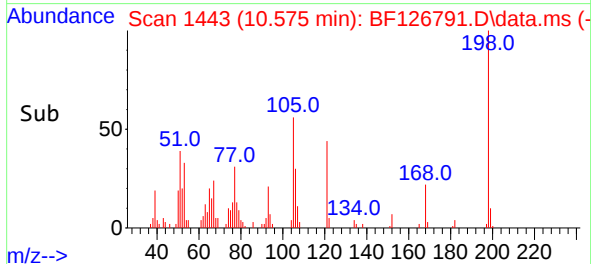
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



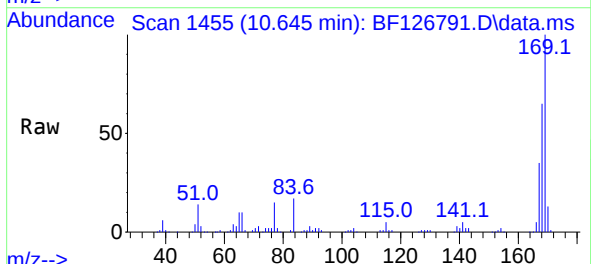
Tgt Ion:198 Resp: 20930
Ion Ratio Lower Upper
198 100
51 39.2 32.0 72.0
105 56.3 32.7 72.7

Manual Integrations
APPROVED

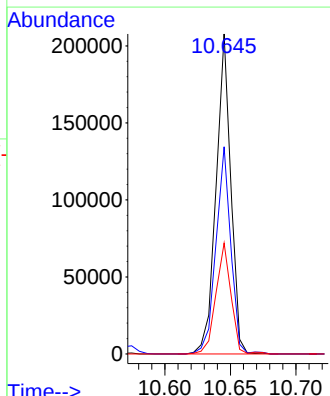
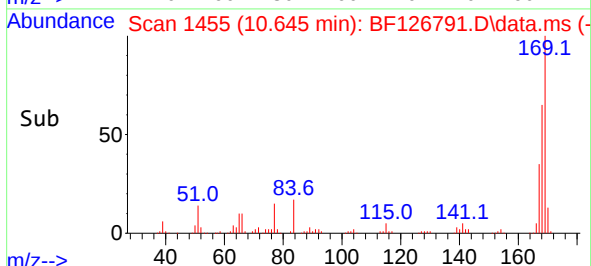
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

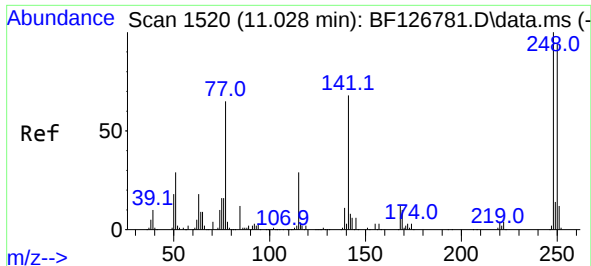


#66
n-Nitrosodiphenylamine
Concen: 9.256 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



Tgt Ion:169 Resp: 161874
Ion Ratio Lower Upper
169 100
168 64.8 53.4 80.0
167 34.6 29.4 44.0





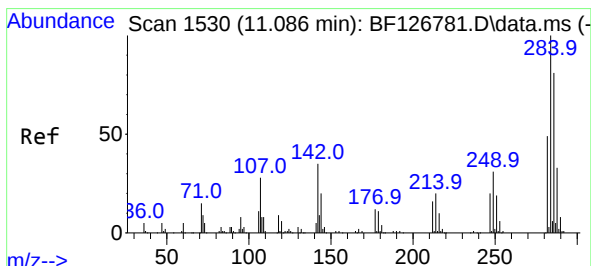
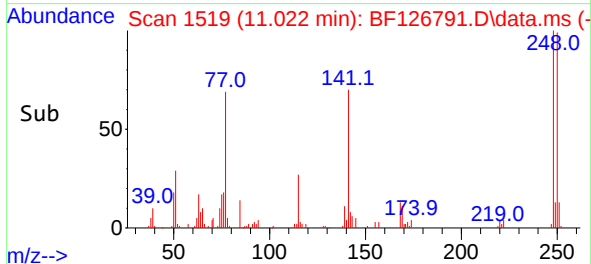
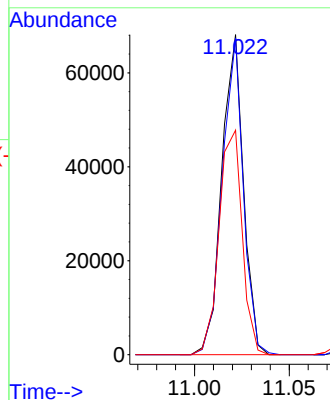
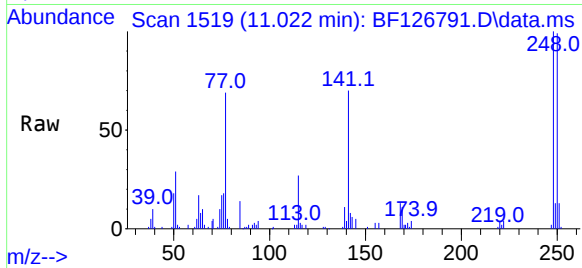
#67
4-Bromophenyl-phenylether
Concen: 8.714 ng
RT: 11.022 min Scan# 1519
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

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

Tgt Ion:248 Resp: 5424
Ion Ratio Lower Upper
248 100
250 99.0 76.2 114.4
141 70.2 66.2 99.4

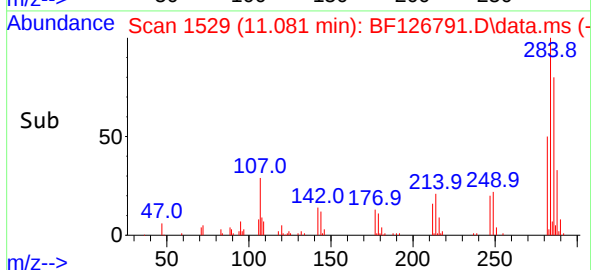
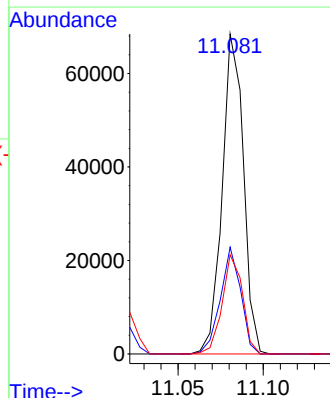
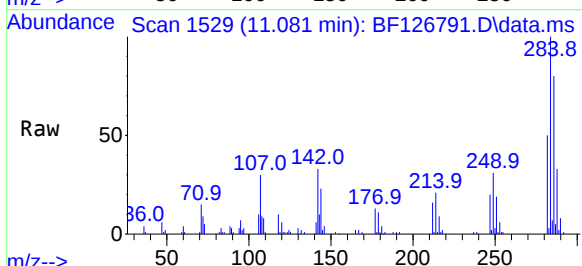
Manual Integrations
APPROVED

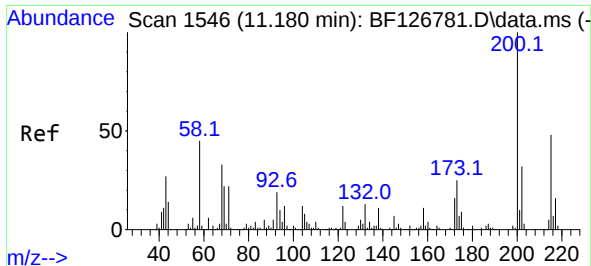
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#68
Hexachlorobenzene
Concen: 8.705 ng
RT: 11.081 min Scan# 1529
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

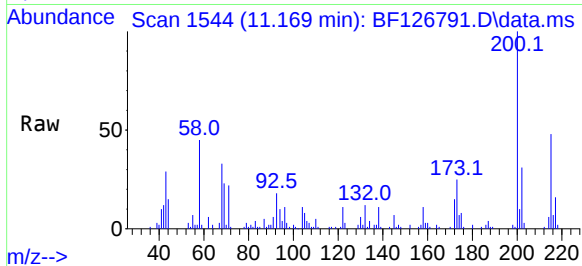
Tgt Ion:284 Resp: 59287
Ion Ratio Lower Upper
284 100
142 33.4 30.7 46.1
249 31.0 21.1 31.7





#69
Atrazine
Concen: 8.963 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

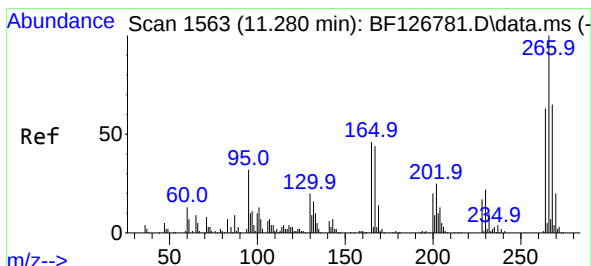
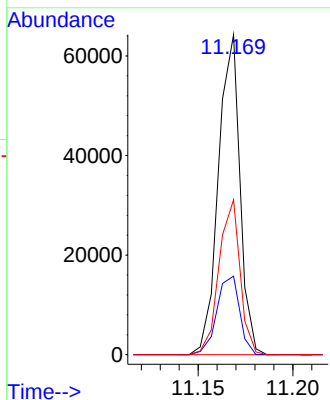
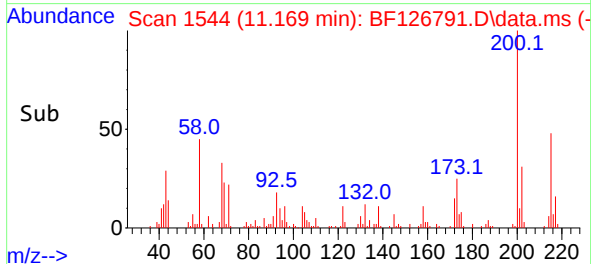
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



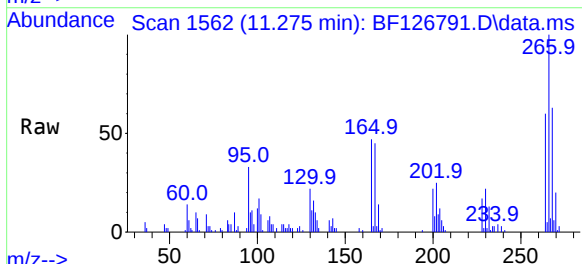
Tgt Ion:200 Resp: 50860
Ion Ratio Lower Upper
200 100
173 24.5 9.2 49.2
215 48.4 23.2 63.2

Manual Integrations
APPROVED

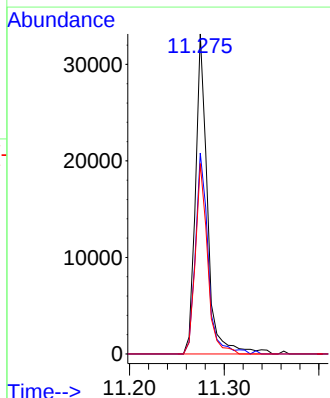
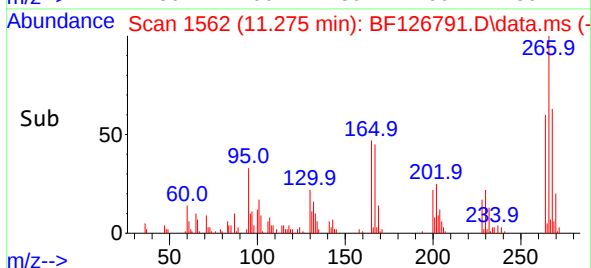
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

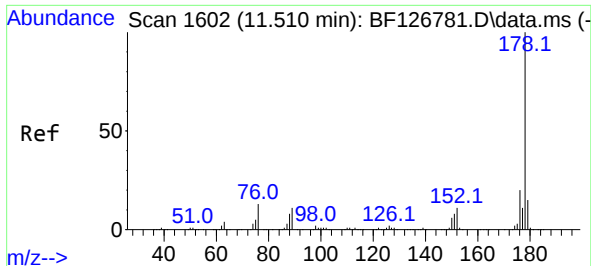


#70
Pentachlorophenol
Concen: 7.375 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



Tgt Ion:266 Resp: 29308
Ion Ratio Lower Upper
266 100
268 62.8 52.3 78.5
264 59.5 50.4 75.6





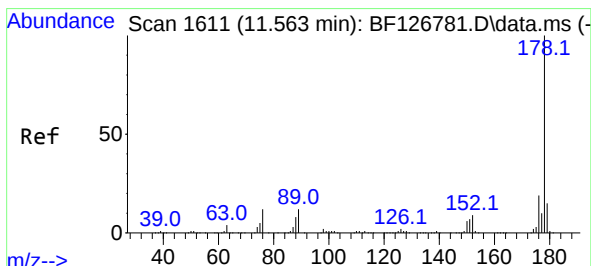
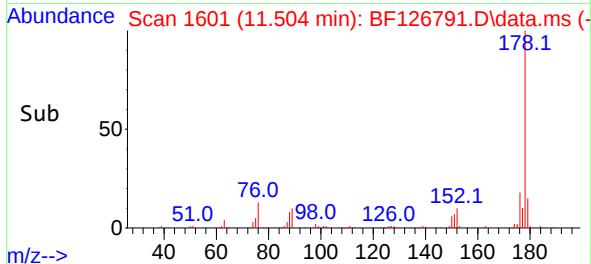
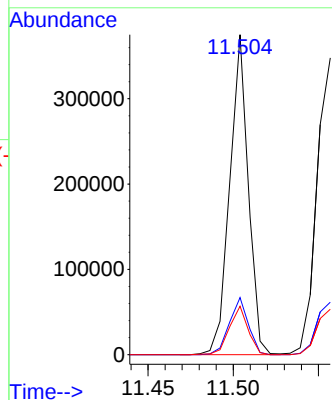
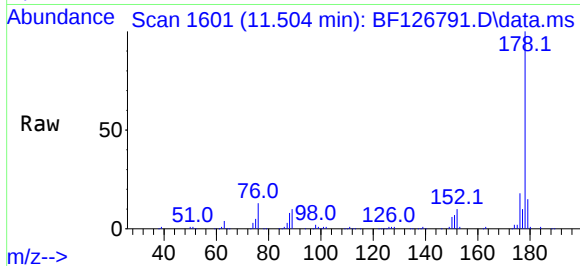
#71
Phenanthrene
Concen: 9.469 ng
RT: 11.504 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

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

Tgt Ion:178 Resp: 285180
Ion Ratio Lower Upper
178 100
176 17.9 15.7 23.5
179 15.1 12.3 18.5

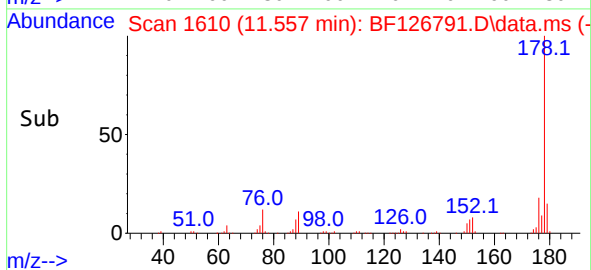
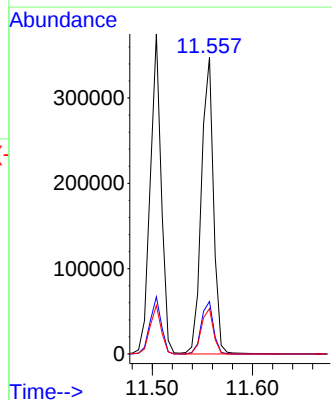
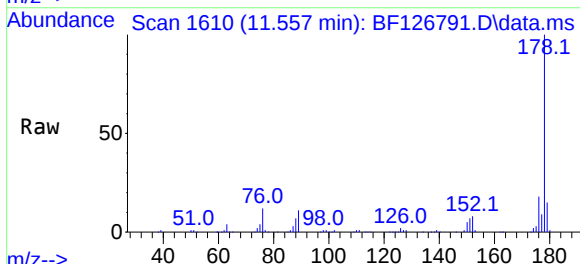
Manual Integrations
APPROVED

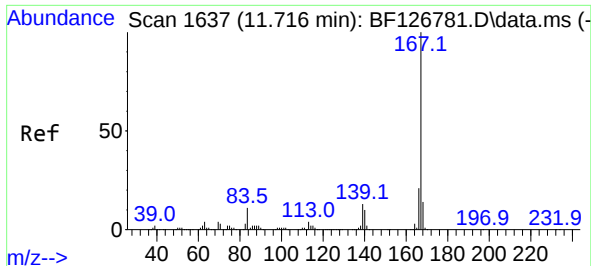
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#72
Anthracene
Concen: 9.686 ng
RT: 11.557 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

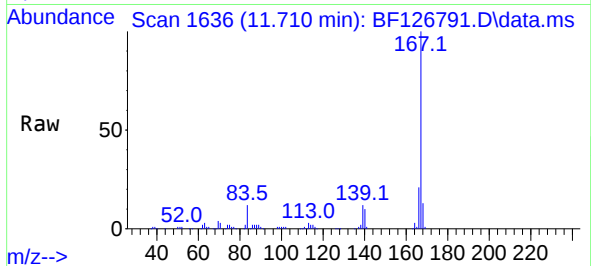
Tgt Ion:178 Resp: 292178
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.6
179 15.3 12.5 18.7





#73
 Carbazole
 Concen: 8.949 ng
 RT: 11.710 min Scan# 1636
 Delta R.T. -0.006 min
 Lab File: BF126791.D
 Acq: 03 Feb 2022 11:12

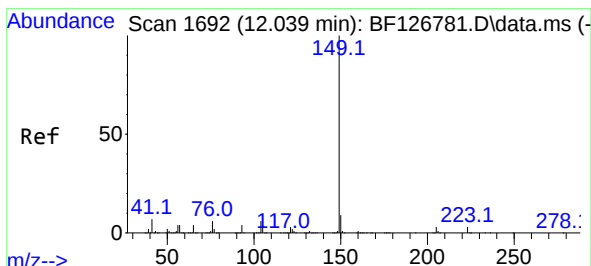
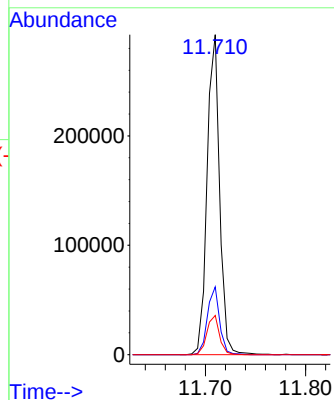
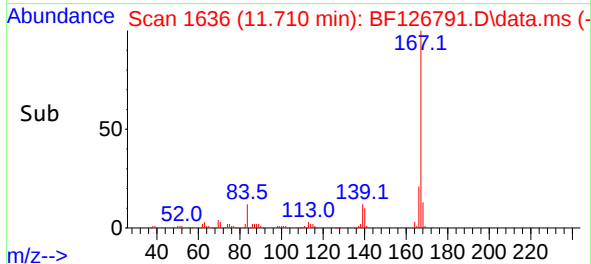
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021



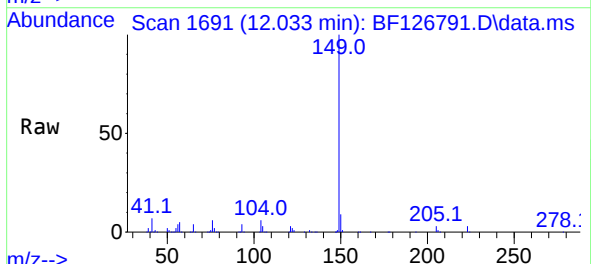
Tgt Ion:167 Resp: 25466
 Ion Ratio Lower Upper
 167 100
 166 21.2 16.9 25.3
 139 12.2 11.3 16.9

Manual Integrations
 APPROVED

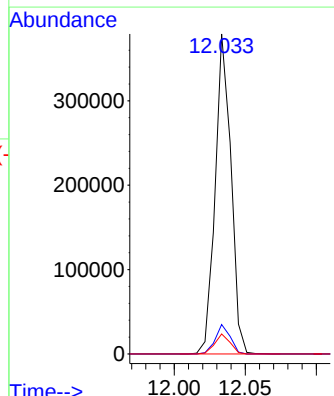
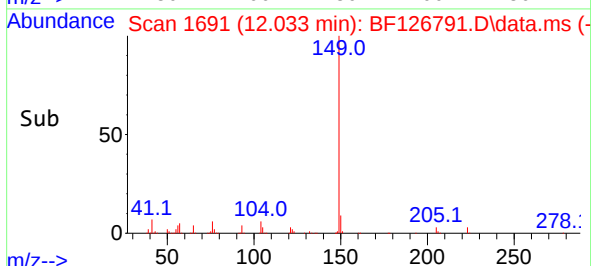
Reviewed By :Christian Giraldo 02/10/2022
 Supervised By :mohammad ahmed 02/10/2022

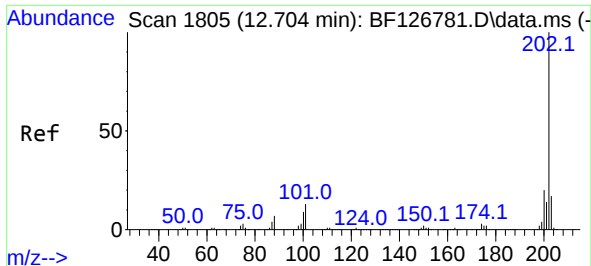


#74
 Di-n-butylphthalate
 Concen: 8.851 ng
 RT: 12.033 min Scan# 1691
 Delta R.T. -0.006 min
 Lab File: BF126791.D
 Acq: 03 Feb 2022 11:12



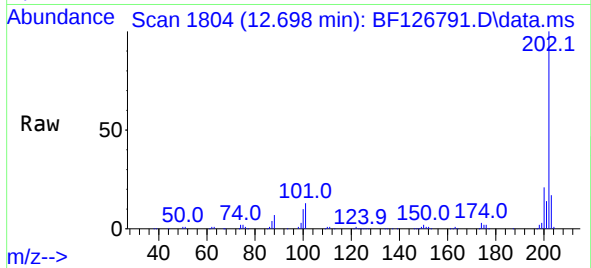
Tgt Ion:149 Resp: 292042
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.2 10.8
 104 6.2 4.2 6.2#





#75
Fluoranthene
Concen: 9.168 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

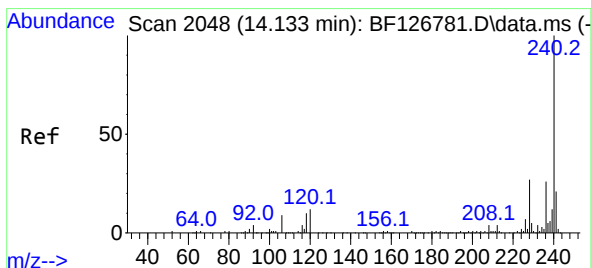
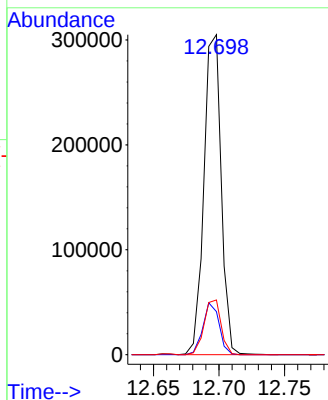
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:202 Resp: 28086
Ion Ratio Lower Upper
202 100
101 13.5 0.0 35.7
203 17.1 0.0 37.1

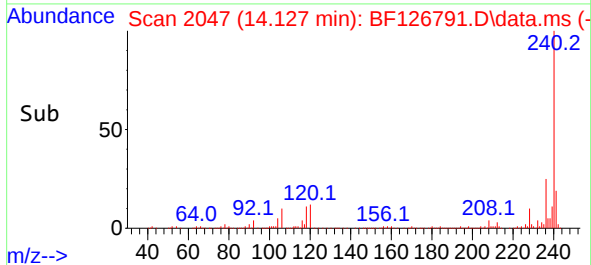
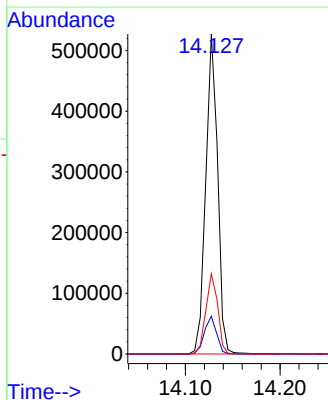
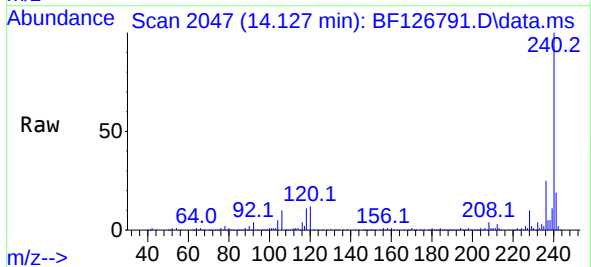
Manual Integrations
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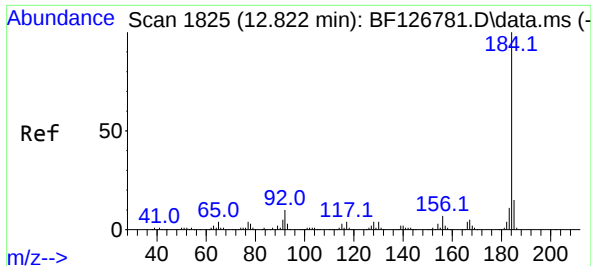
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

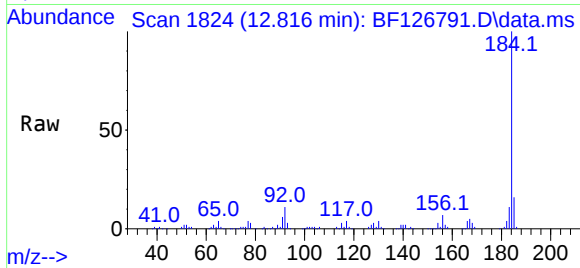
Tgt Ion:240 Resp: 459391
Ion Ratio Lower Upper
240 100
120 11.7 14.4 21.6#
236 25.1 20.5 30.7





#77
Benzidine
Concen: 15.502 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

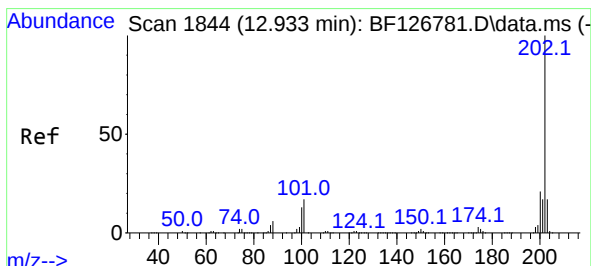
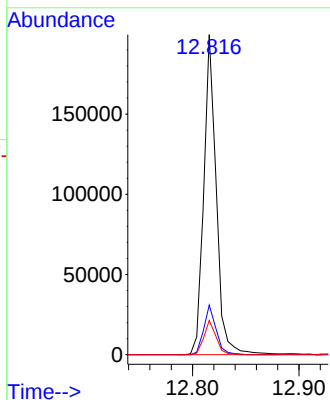
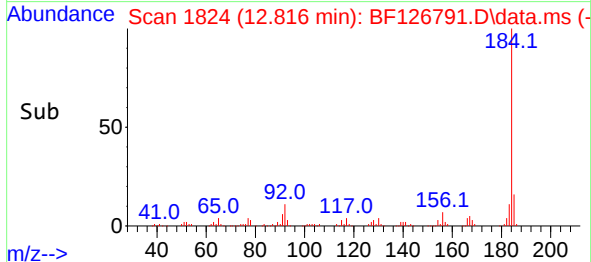
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



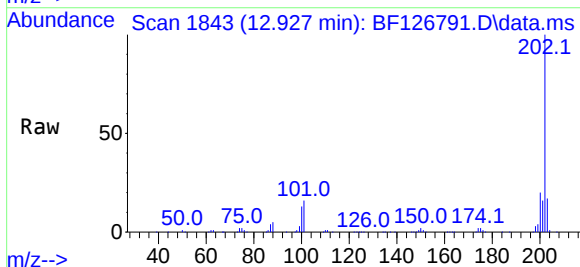
Tgt Ion:184 Resp: 163369
Ion Ratio Lower Upper
184 100
185 15.5 11.8 17.8
183 10.7 8.2 12.2

Manual Integrations
APPROVED

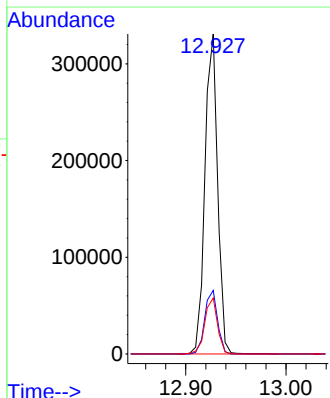
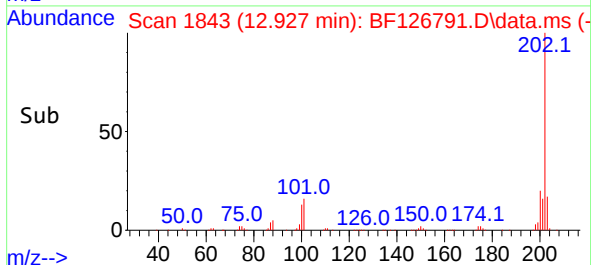
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

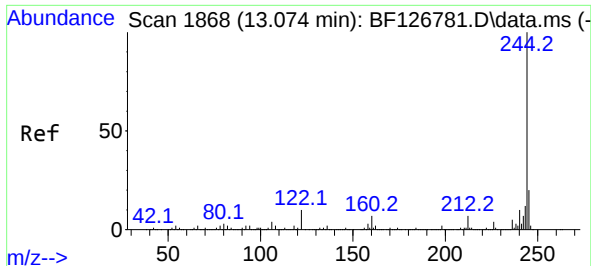


#78
Pyrene
Concen: 7.918 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



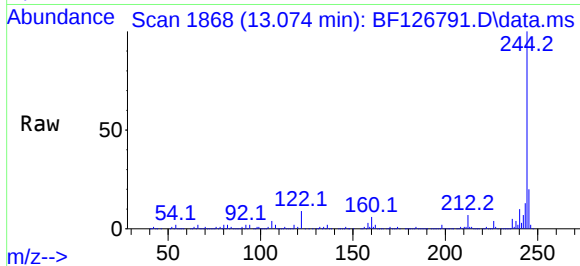
Tgt Ion:202 Resp: 290701
Ion Ratio Lower Upper
202 100
200 19.9 16.6 24.8
203 17.5 13.8 20.8





#79
 Terphenyl-d14
 Concen: 61.620 ng
 RT: 13.074 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: BF126791.D
 Acq: 03 Feb 2022 11:12

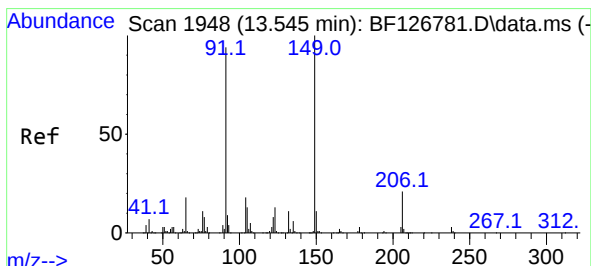
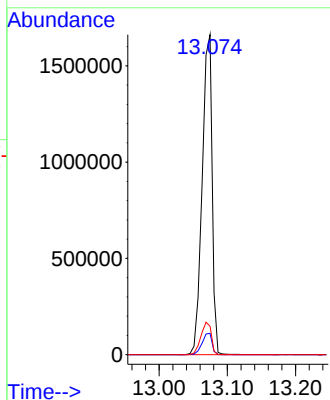
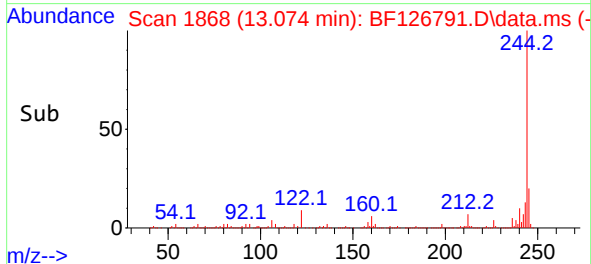
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:244 Resp: 1692200
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.0 7.4
 122 8.9 13.3 19.9

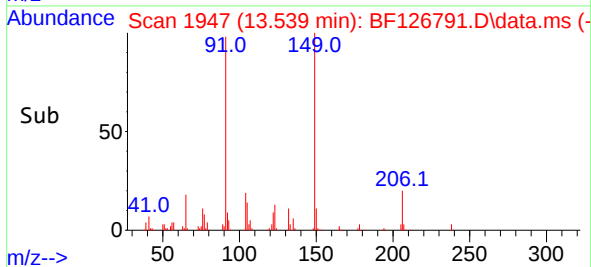
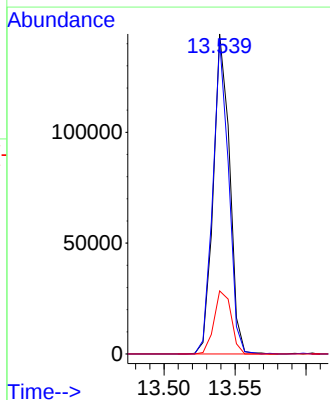
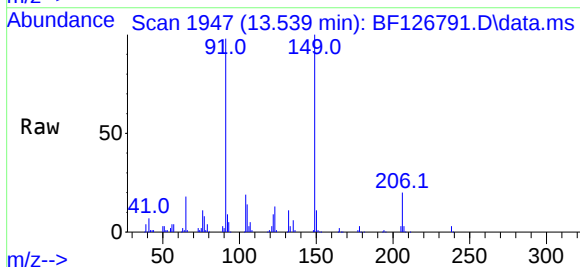
Manual Integrations
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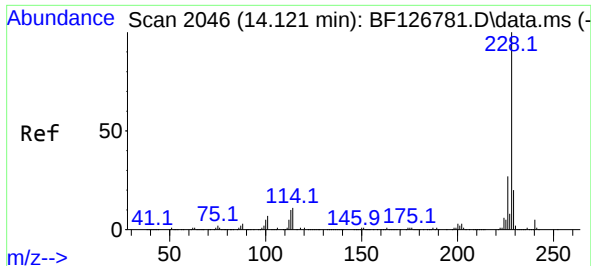
Reviewed By :Christian Giraldo 02/10/2022
 Supervised By :mohammad ahmed 02/10/2022



#80
 Butylbenzylphthalate
 Concen: 7.529 ng
 RT: 13.539 min Scan# 1947
 Delta R.T. -0.006 min
 Lab File: BF126791.D
 Acq: 03 Feb 2022 11:12

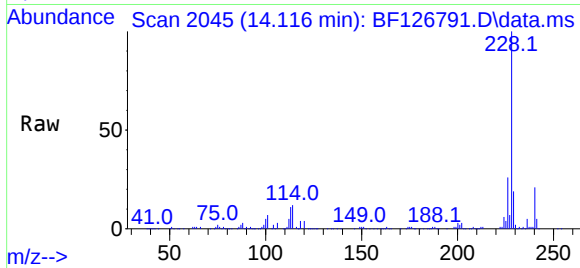
Tgt Ion:149 Resp: 114698
 Ion Ratio Lower Upper
 149 100
 91 98.1 70.5 105.7
 206 19.7 12.6 19.0





#81
Benzo(a)anthracene
Concen: 8.578 ng
RT: 14.116 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

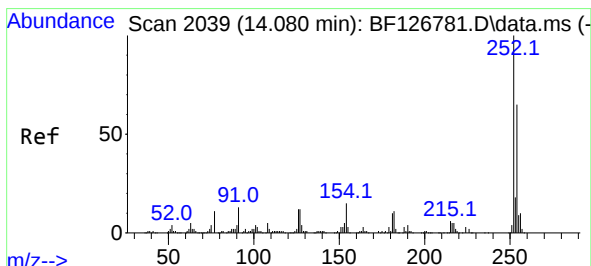
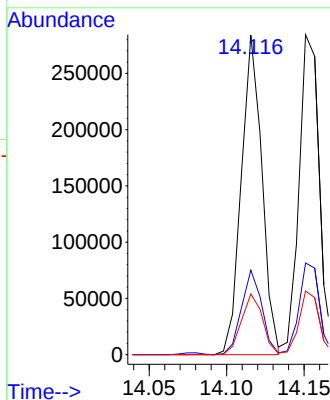
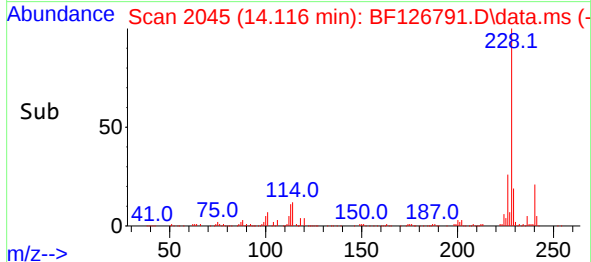
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



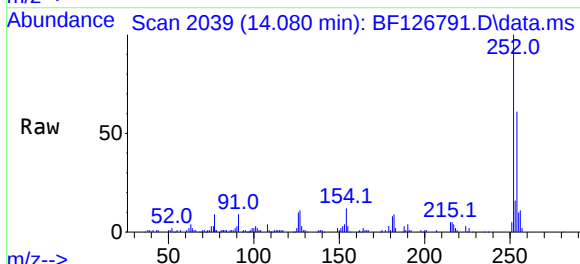
Tgt Ion:228 Resp: 262934
Ion Ratio Lower Upper
228 100
226 26.4 21.4 32.0
229 19.0 15.4 23.2

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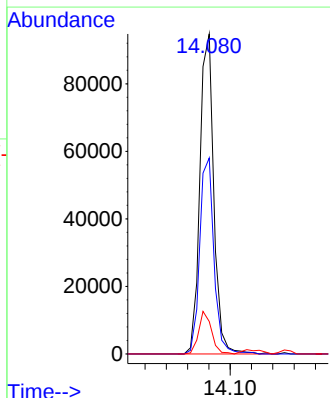
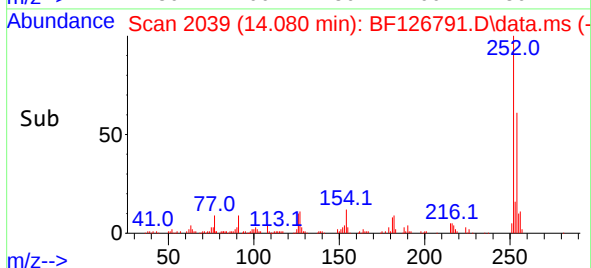
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

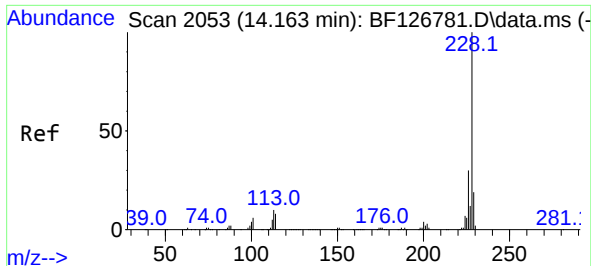


#82
3,3'-Dichlorobenzidine
Concen: 9.824 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



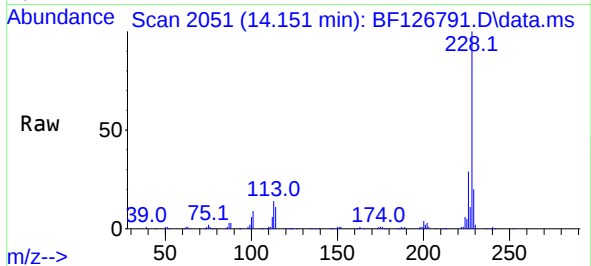
Tgt Ion:252 Resp: 86246
Ion Ratio Lower Upper
252 100
254 61.2 51.0 76.4
126 10.2 13.4 20.0#





#83
Chrysene
Concen: 8.917 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

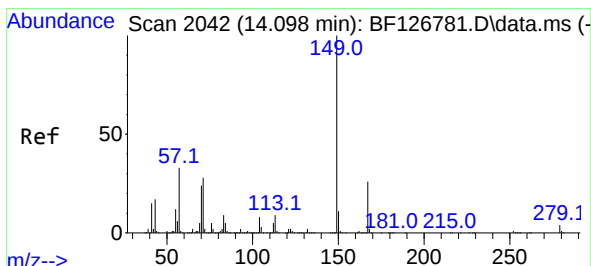
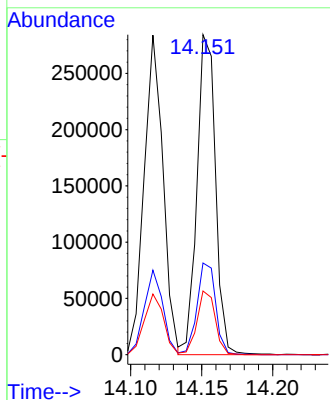
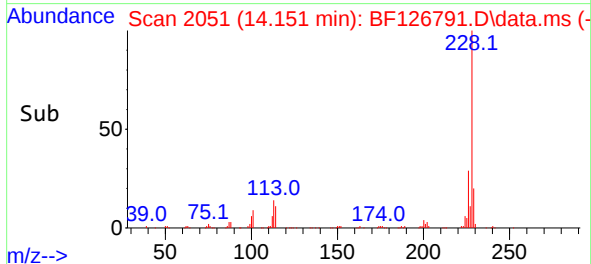
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



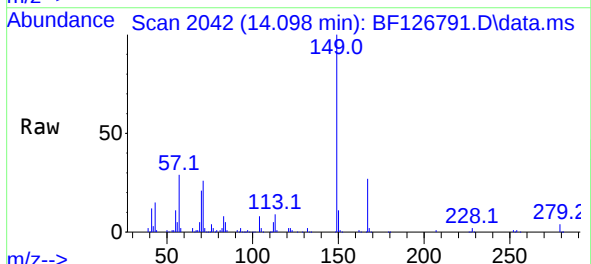
Tgt Ion:228 Resp: 25879
Ion Ratio Lower Upper
228 100
226 28.6 23.7 35.5
229 19.9 15.5 23.3

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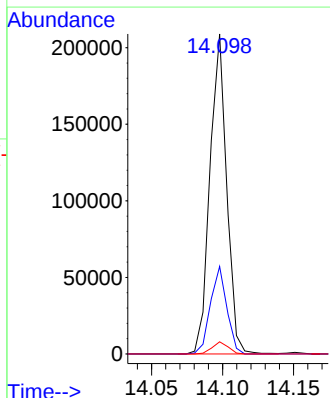
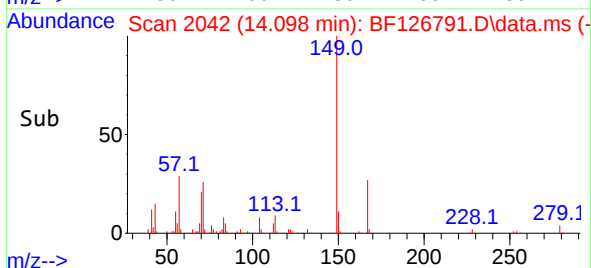
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

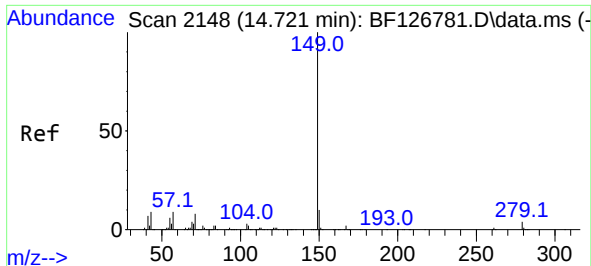


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.629 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



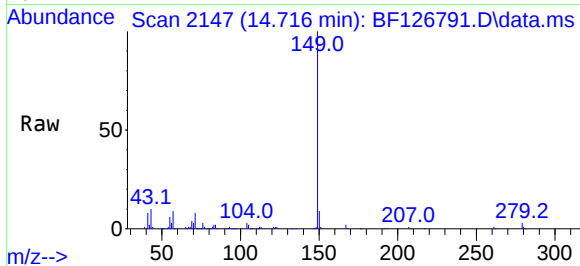
Tgt Ion:149 Resp: 171028
Ion Ratio Lower Upper
149 100
167 27.3 21.4 32.2
279 3.8 2.4 3.6#





#85
Di-n-octyl phthalate
Concen: 9.444 ng
RT: 14.716 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

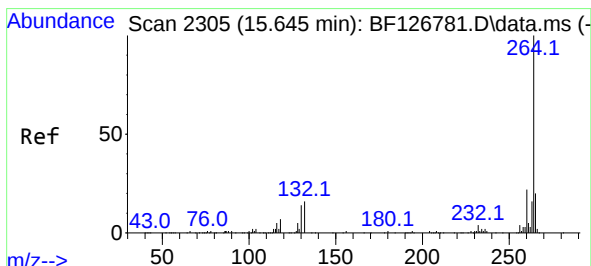
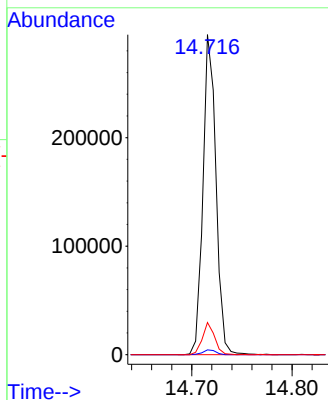
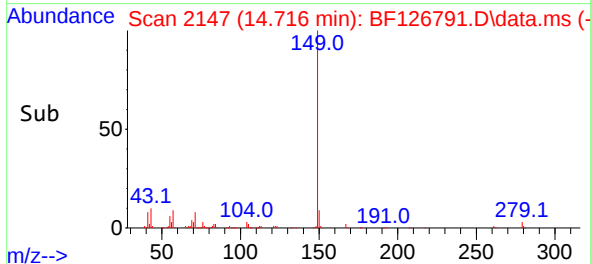
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



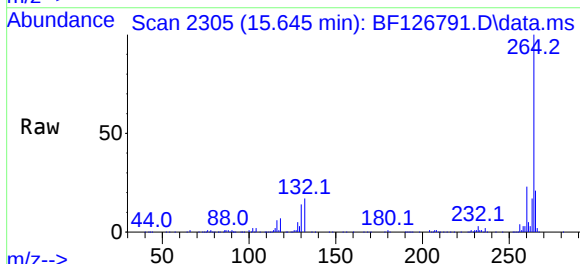
Tgt Ion:149 Resp: 266872
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 9.4 9.9 14.9

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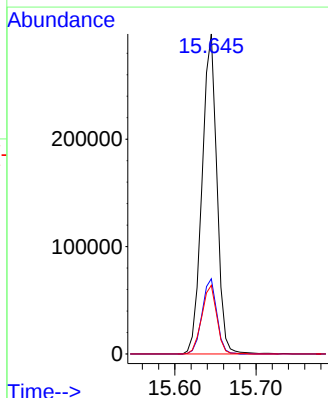
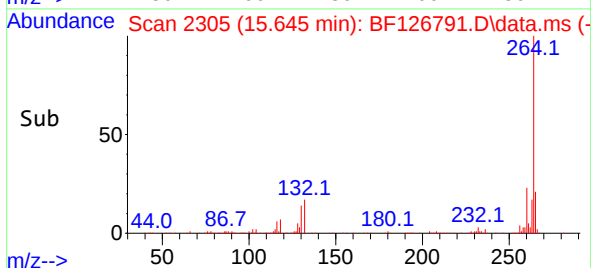
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

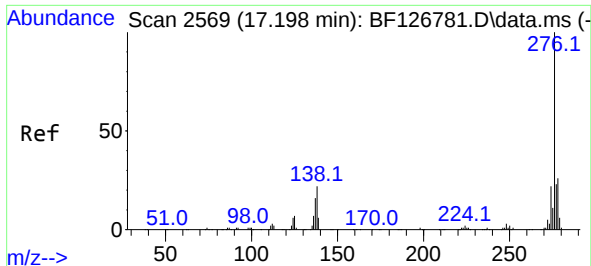


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2305
Delta R.T. 0.000 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



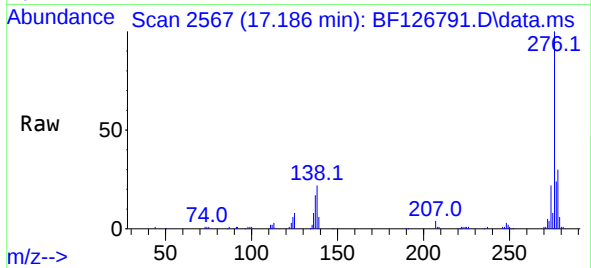
Tgt Ion:264 Resp: 378321
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.5 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.097 ng
RT: 17.186 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

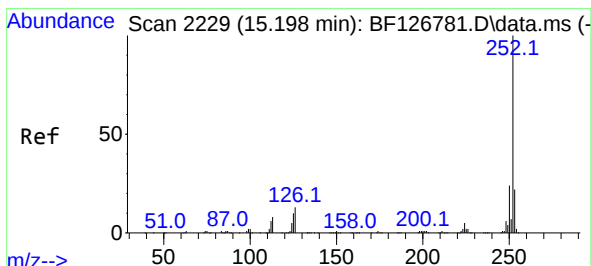
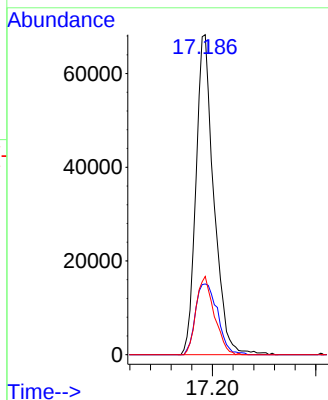
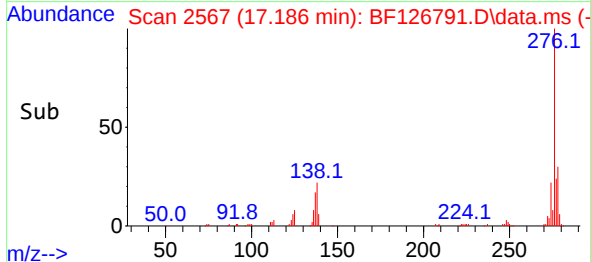
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



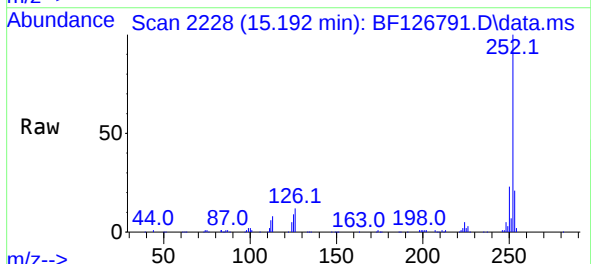
Tgt Ion:276 Resp: 16376
Ion Ratio Lower Upper
276 100
138 27.5 29.2 43.8
277 24.8 19.8 29.8

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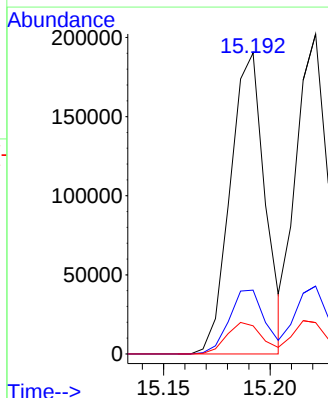
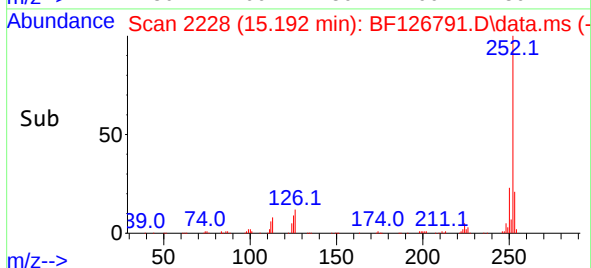
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

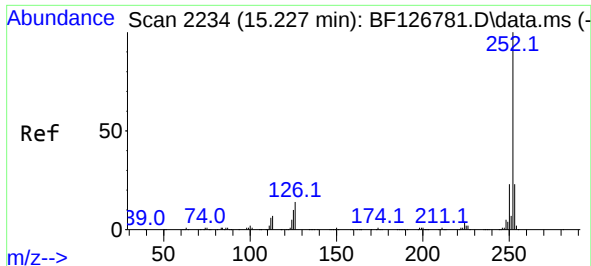


#88
Benzo(b)fluoranthene
Concen: 8.774 ng
RT: 15.192 min Scan# 2228
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



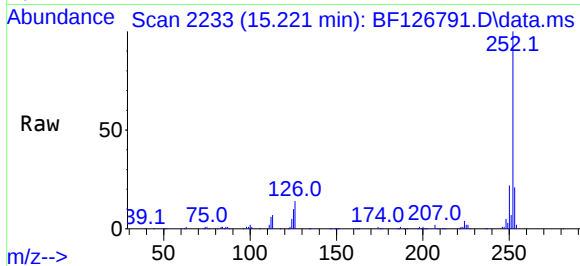
Tgt Ion:252 Resp: 217047
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.8
125 9.3 12.4 18.6





#89
Benzo(k)fluoranthene
Concen: 8.735 ng
RT: 15.221 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

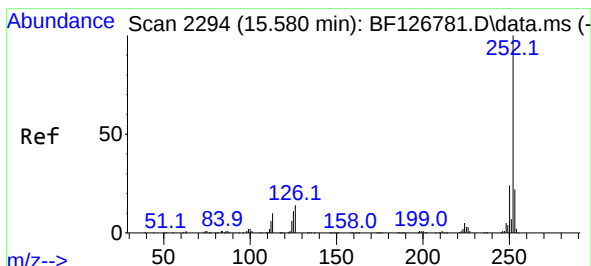
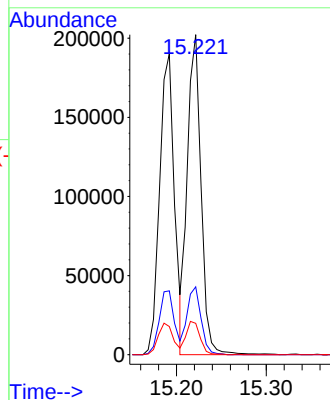
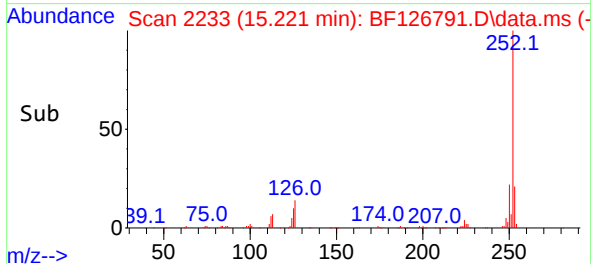
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



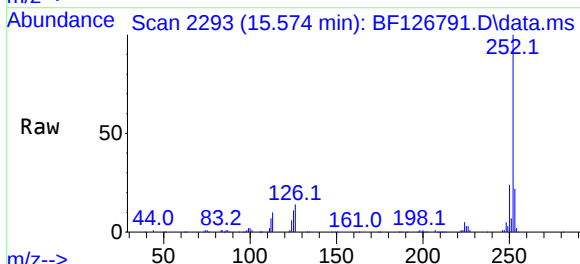
Tgt Ion:252 Resp: 21553
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 9.8 11.8 17.6

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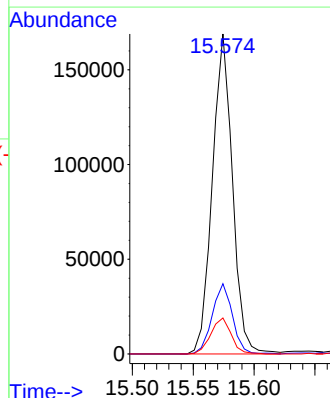
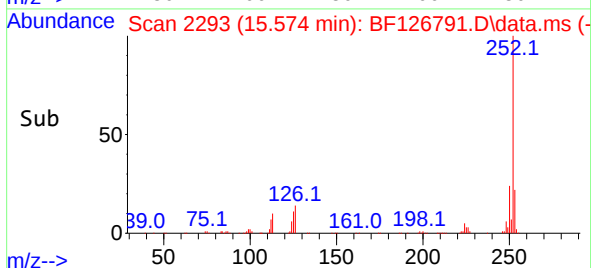
Reviewed By :Christian Giraldo 02/10/2022
Supervised By :mohammad ahmed 02/10/2022

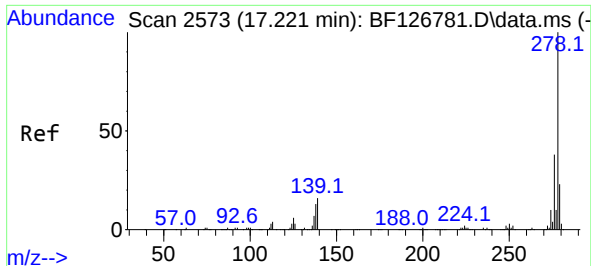


#90
Benzo(a)pyrene
Concen: 9.859 ng
RT: 15.574 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12



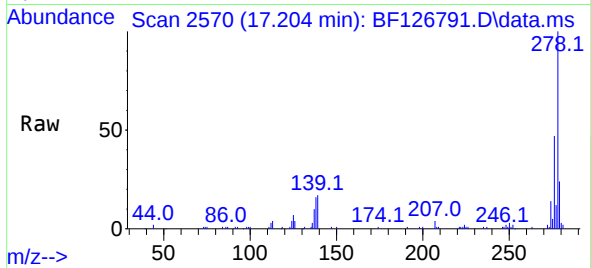
Tgt Ion:252 Resp: 194405
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 11.3 13.0 19.6





#91
Dibenzo(a,h)anthracene
Concen: 7.236 ng
RT: 17.204 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

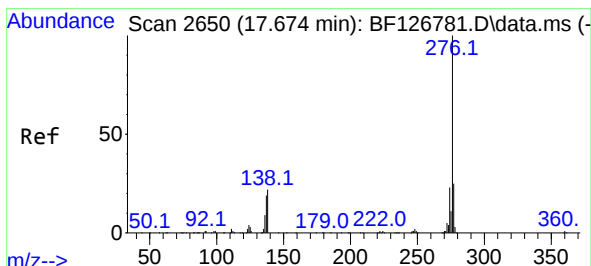
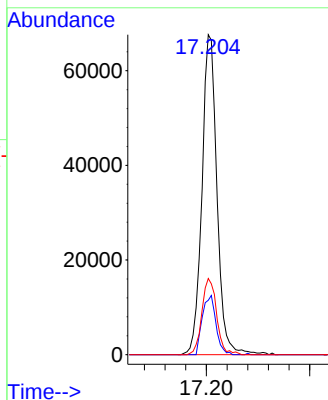
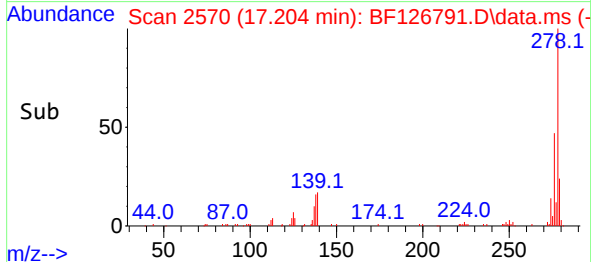
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:278 Resp: 136765
Ion Ratio Lower Upper
278 100
139 17.0 18.0 27.0
279 23.8 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: 7.141 ng
RT: 17.657 min Scan# 2647
Delta R.T. -0.018 min
Lab File: BF126791.D
Acq: 03 Feb 2022 11:12

Tgt Ion:276 Resp: 133306
Ion Ratio Lower Upper
276 100
277 22.8 18.5 27.7
138 19.0 25.9 38.9

