

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
 Data File : BF138210.D
 Acq On : 17 Jun 2024 17:59
 Operator : CG\JU
 Sample : P2883-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Soil/Gravel-SP

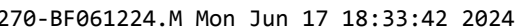
Quant Time: Jun 17 18:30:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

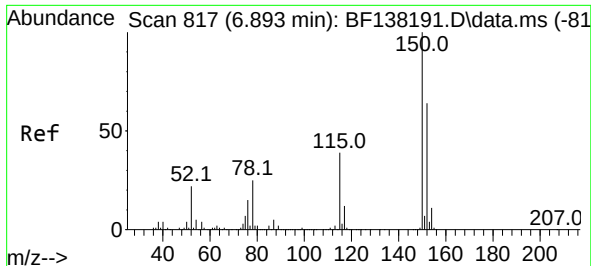
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	387474	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1512827	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	839877	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1463658	20.000	ng	0.00
76) Chrysene-d12	14.045	240	818992	20.000	ng	0.00
86) Perylene-d12	15.515	264	800002	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	2492949	107.627	ng	0.00
7) Phenol-d6	6.516	99	3104756	105.707	ng	0.00
23) Nitrobenzene-d5	7.451	82	1887310	72.627	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	853398	102.067	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	3457223	65.456	ng	0.00
79) Terphenyl-d14	12.998	244	3961620	76.613	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	251074	14.421	ng	# 78
25) Isophorone	7.451	82	1883625	40.074	ng	# 62
51) 2,6-Dinitrotoluene	9.922	165	109836	9.839	ng	# 25
54) 2,4-Dinitrophenol	10.222	184	63	4.219	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	109885	7.980	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.710	198	2110	7.176	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	56556	3.429	ng	# 1
77) Benzidine	12.998	184	54070	5.708	ng	# 93
83) Chrysene	14.068	228	111716	2.231	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	47760	2.137	ng	97
85) Di-n-octyl phthalate	14.639	149	81108	2.443	ng	100

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

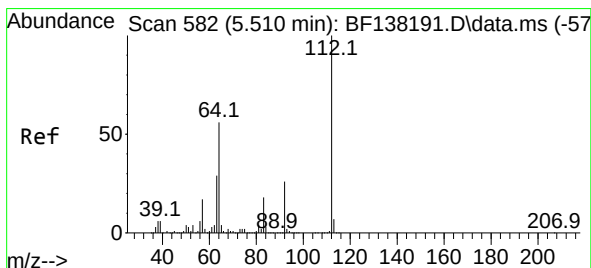
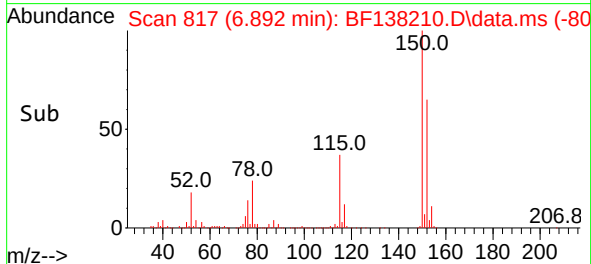
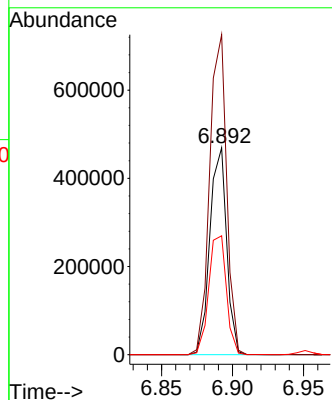
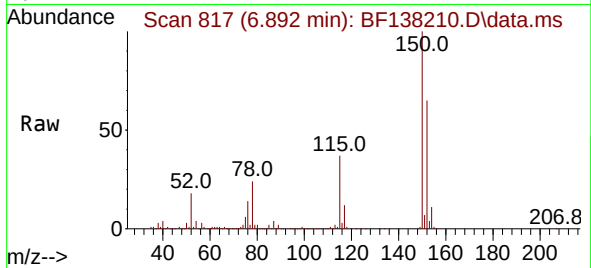




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

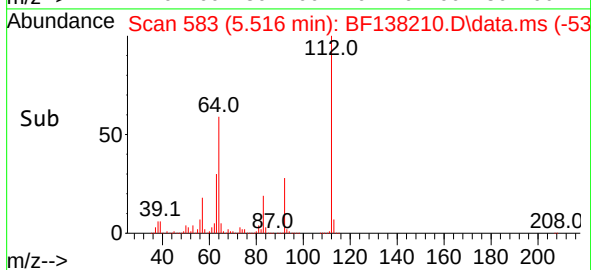
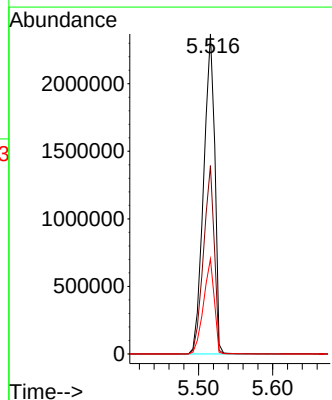
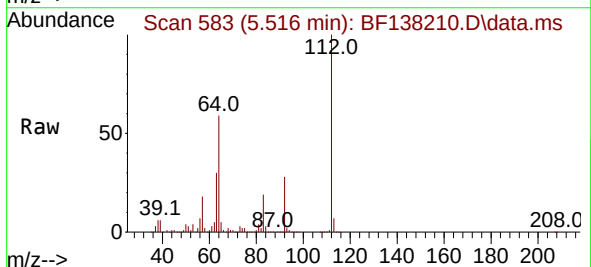
Instrument :
BNA_F
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Soil/Gravel-SP

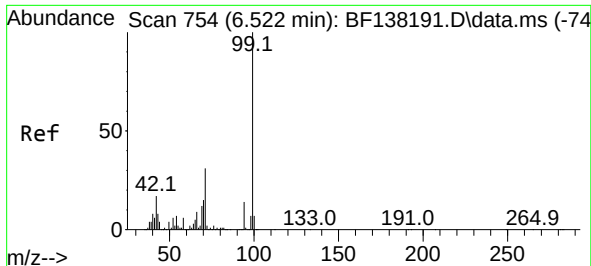
Tgt Ion:152 Resp: 387474
Ion Ratio Lower Upper
152 100
150 154.7 125.0 187.4
115 57.5 48.4 72.6



#5
2-Fluorophenol
Concen: 107.627 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

Tgt Ion:112 Resp: 2492949
Ion Ratio Lower Upper
112 100
64 58.9 45.2 67.8
63 29.7 22.9 34.3

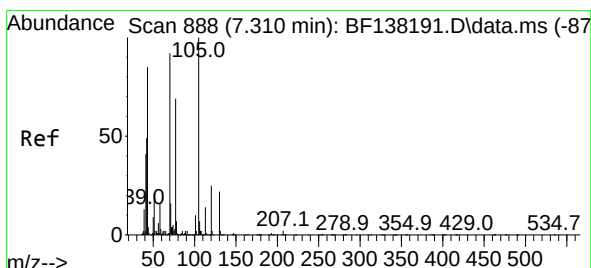
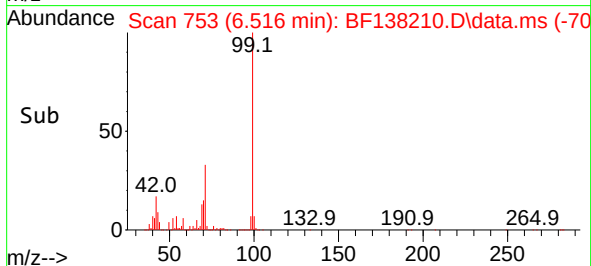
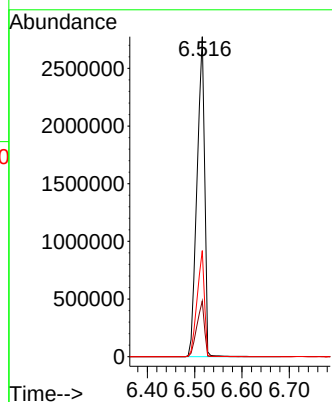
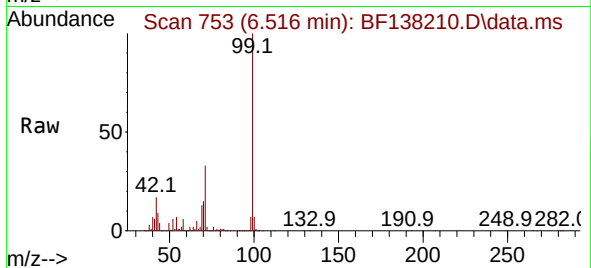




#7
Phenol-d6
Concen: 105.707 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

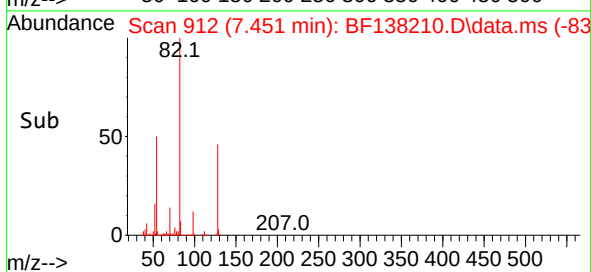
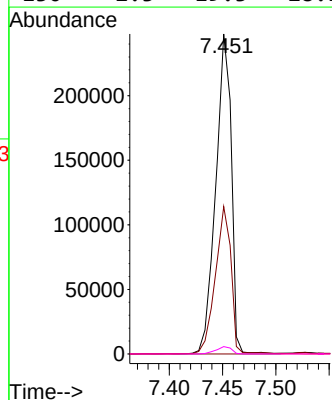
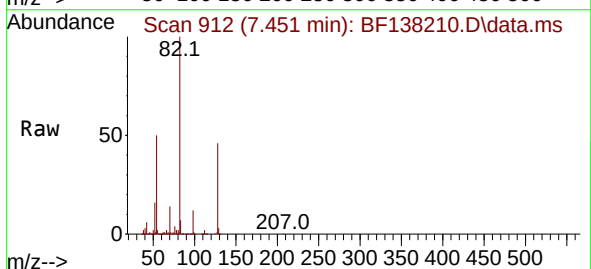
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SP

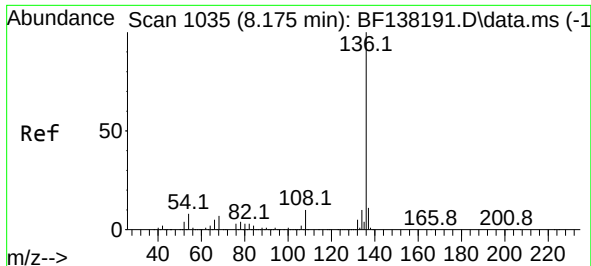
Tgt Ion: 99 Resp: 3104756
Ion Ratio Lower Upper
99 100
42 17.4 13.7 20.5
71 33.1 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.421 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

Tgt Ion: 70 Resp: 251074
Ion Ratio Lower Upper
70 100
42 46.1 42.8 64.2
101 0.0 8.4 12.6#
130 2.3 19.3 28.9#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

Instrument :

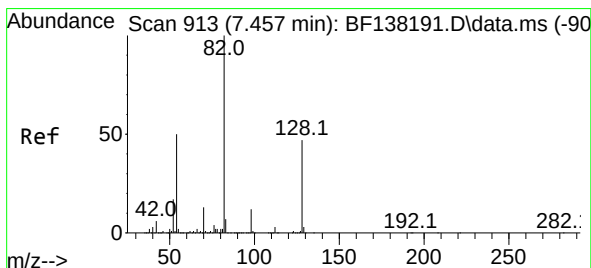
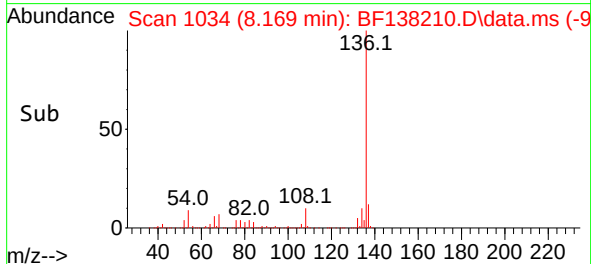
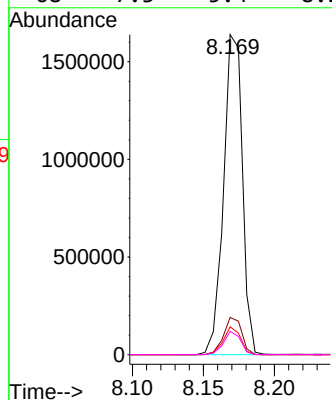
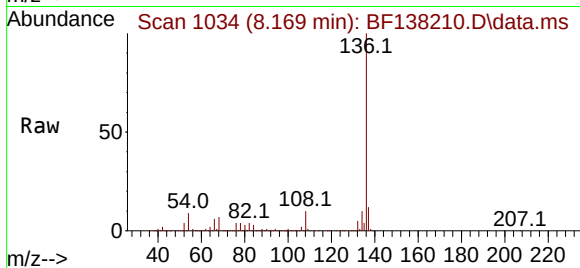
BNA_F

ClientSampleId :

Soil/Gravel-SP

Tgt Ion:136 Resp: 1512827

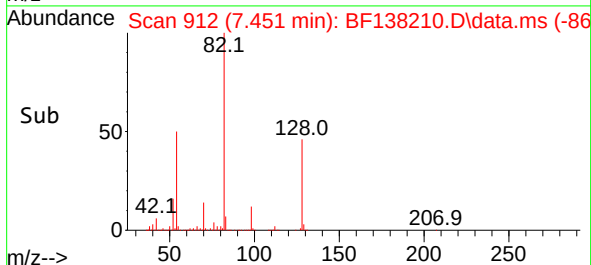
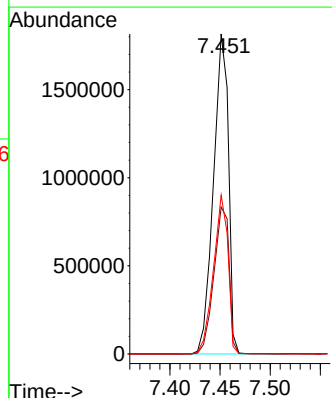
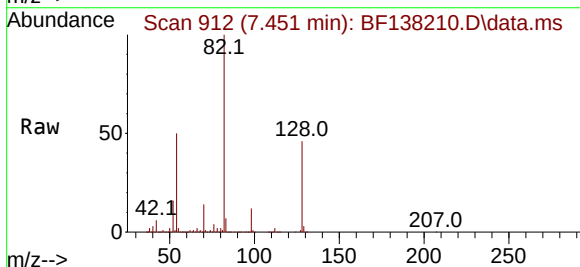
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	8.7	6.6	10.0
68	7.3	5.4	8.2

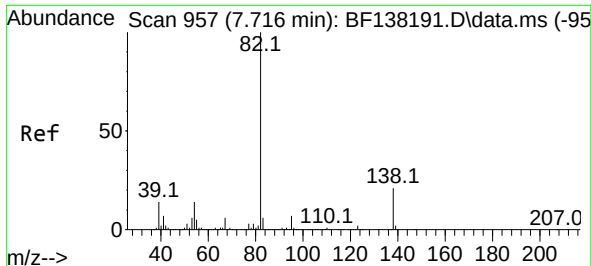


#23
Nitrobenzene-d5
Concen: 72.627 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

Tgt Ion: 82 Resp: 1887310

Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.2	55.8
54	49.6	39.8	59.6

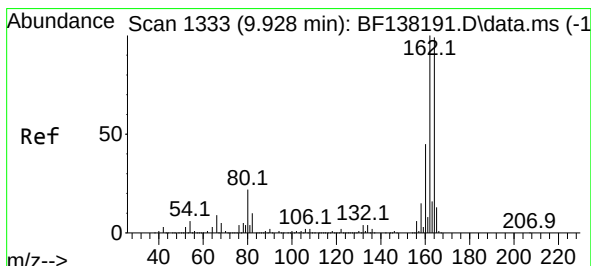
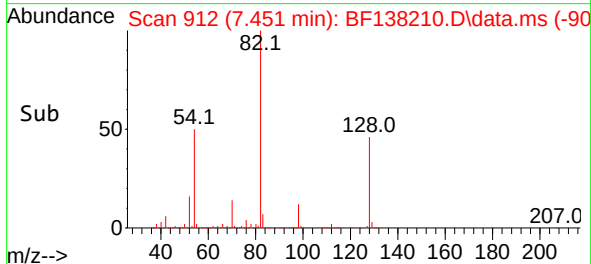
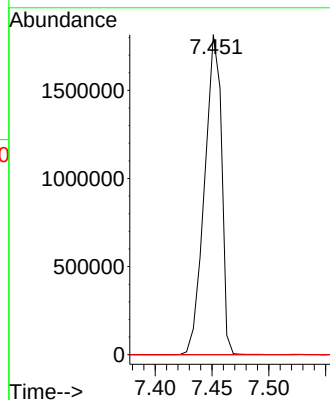
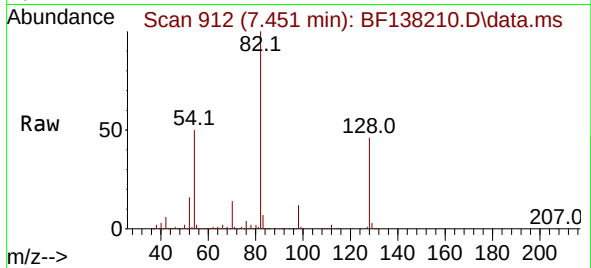




#25
Isophorone
Concen: 40.074 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

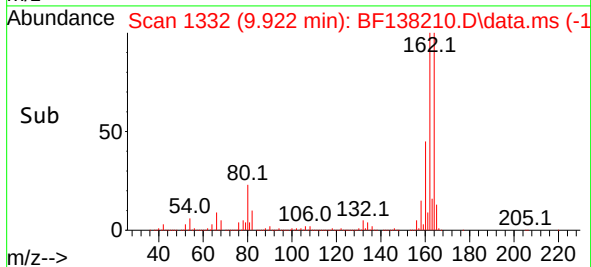
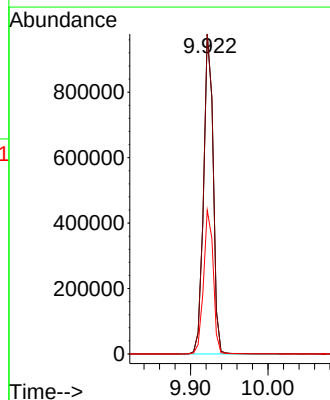
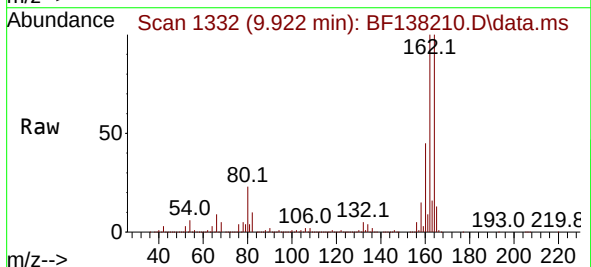
Instrument :
BNA_F
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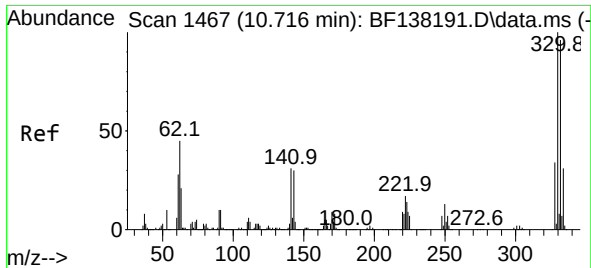
Tgt Ion: 82 Resp: 1883625
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

Tgt Ion: 164 Resp: 839877
Ion Ratio Lower Upper
164 100
162 100.0 80.6 121.0
160 44.9 36.3 54.5

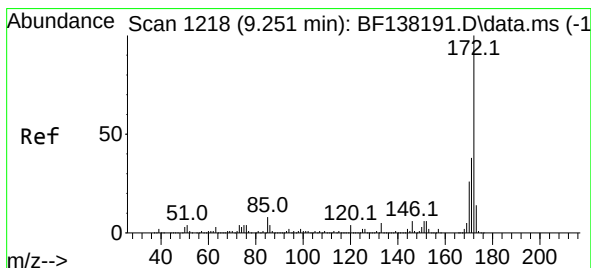
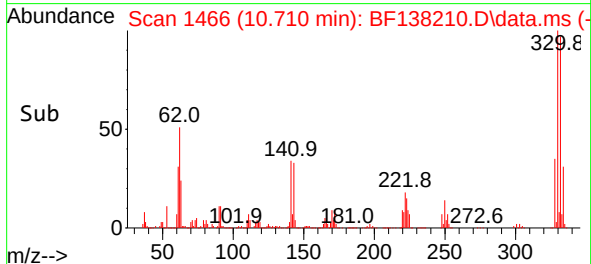
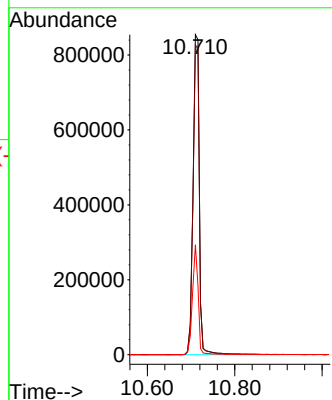
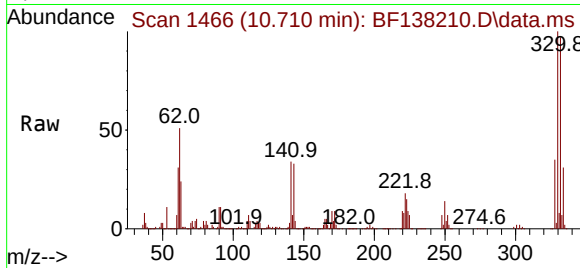




#42
2,4,6-Tribromophenol
Concen: 102.067 ng
RT: 10.710 min Scan# 1467
Delta R.T. -0.006 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

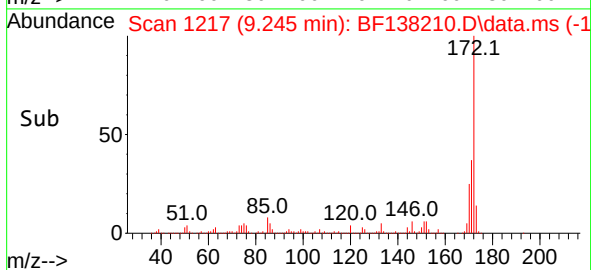
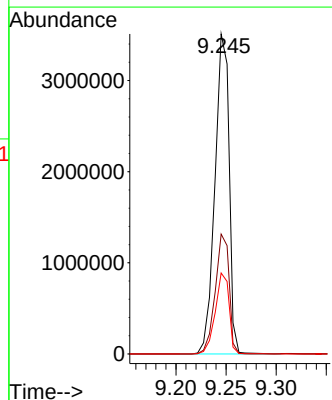
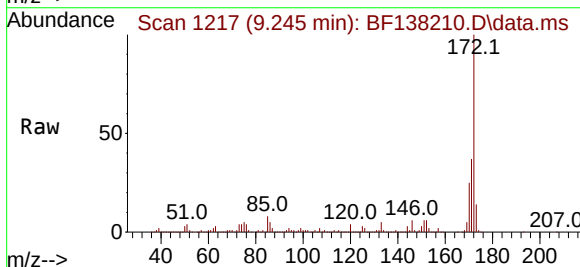
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SP

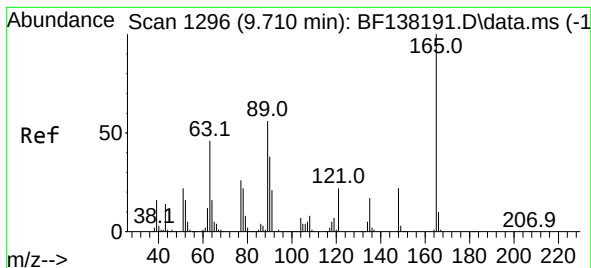
Tgt Ion:330 Resp: 853398
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 31.1 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 65.456 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

Tgt Ion:172 Resp: 3457223
Ion Ratio Lower Upper
172 100
171 37.5 30.3 45.5
170 25.3 20.6 30.8





#51

2,6-Dinitrotoluene

Concen: 9.839 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF138210.D

Acq: 17 Jun 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SP

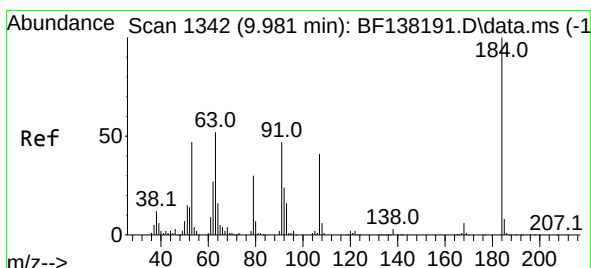
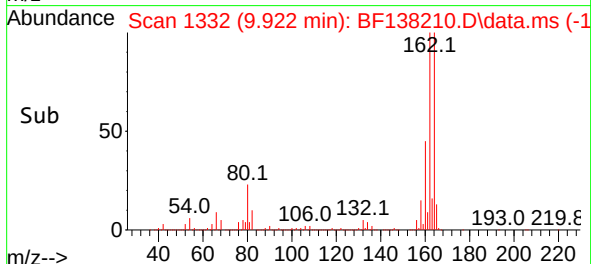
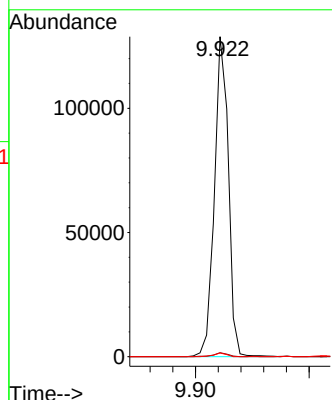
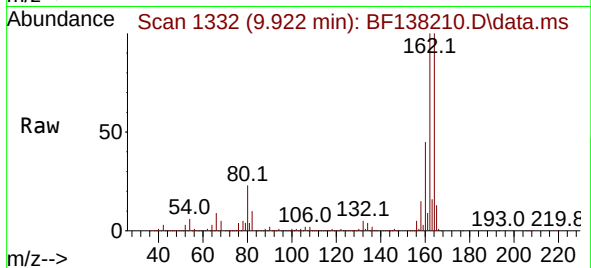
Tgt Ion:165 Resp: 109836

Ion Ratio Lower Upper

165 100

63 1.3 43.7 65.5#

89 1.2 44.9 67.3#



#54

2,4-Dinitrophenol

Concen: 4.219 ng

RT: 10.222 min Scan# 1383

Delta R.T. 0.241 min

Lab File: BF138210.D

Acq: 17 Jun 2024 17:59

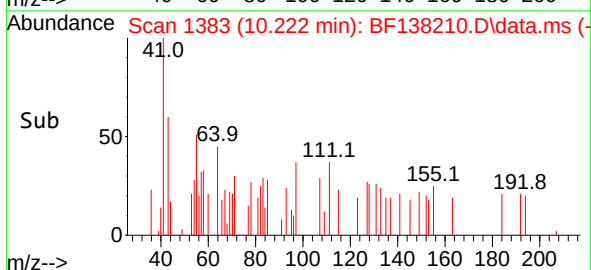
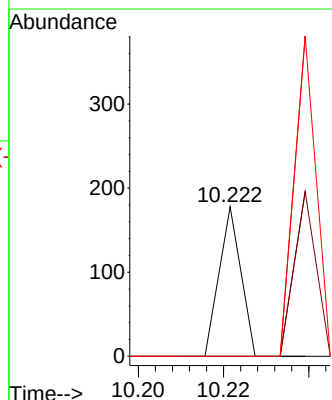
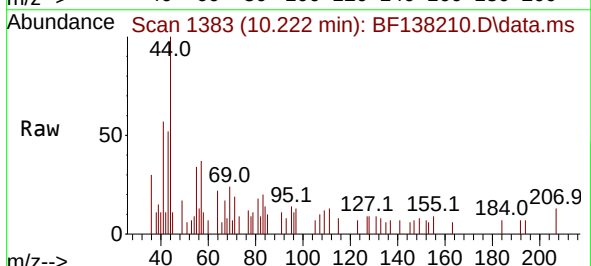
Tgt Ion:184 Resp: 63

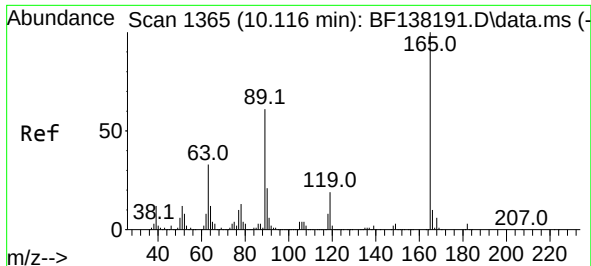
Ion Ratio Lower Upper

184 100

63 0.0 49.2 73.8#

154 0.0 46.7 70.1#

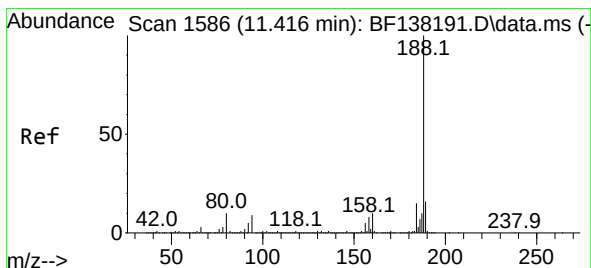
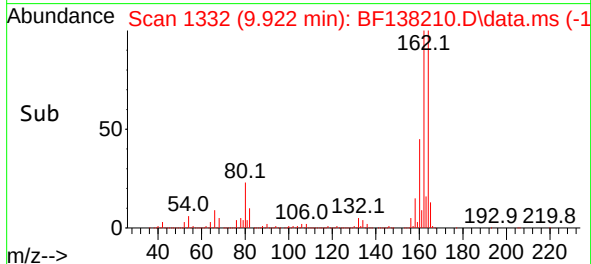
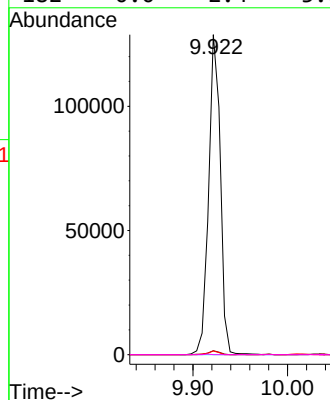
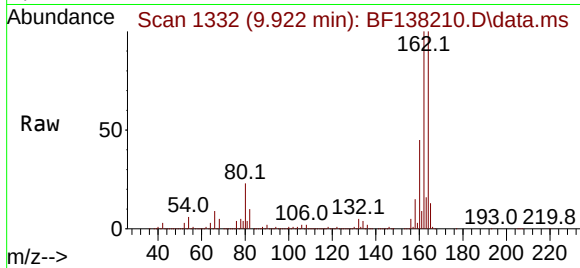




#57
2,4-Dinitrotoluene
Concen: 7.980 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

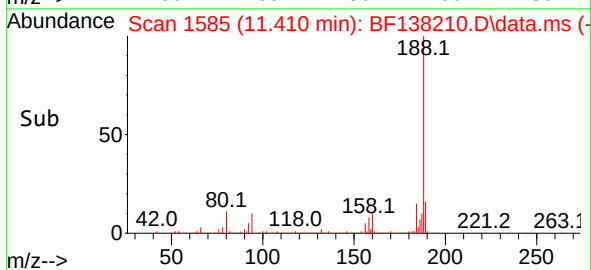
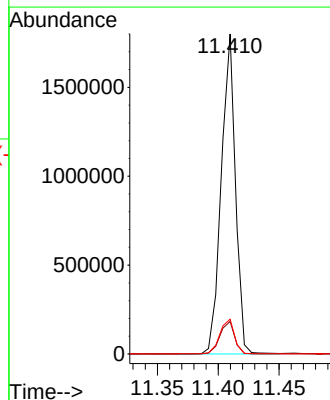
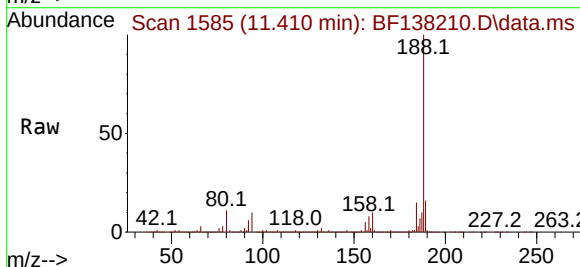
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SP

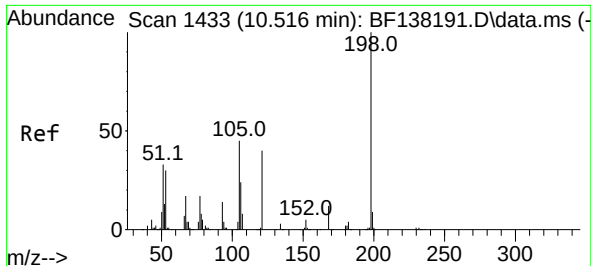
Tgt Ion:165 Resp: 109885
Ion Ratio Lower Upper
165 100
63 1.3 26.6 39.8#
89 1.2 48.7 73.1#
182 0.0 2.4 3.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

Tgt Ion:188 Resp: 1463658
Ion Ratio Lower Upper
188 100
94 10.1 7.6 11.4
80 10.8 8.1 12.1

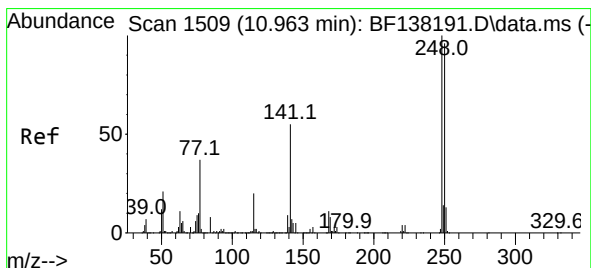
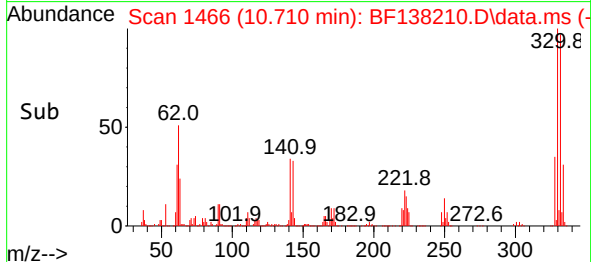
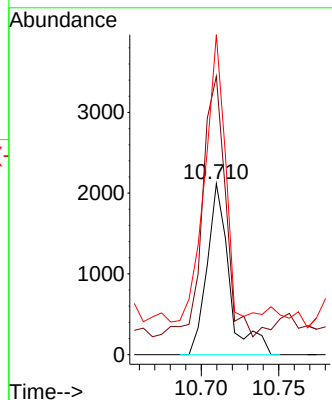
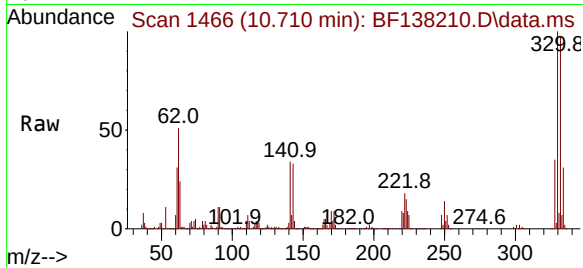




#65
4,6-Dinitro-2-methylphenol
Concen: 7.176 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.194 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

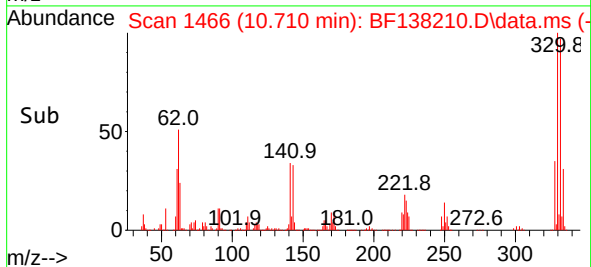
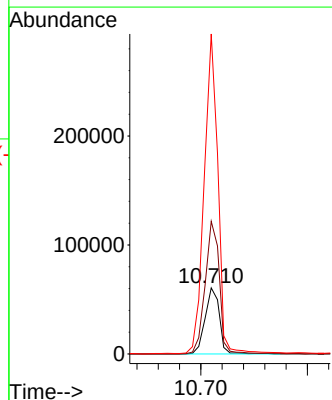
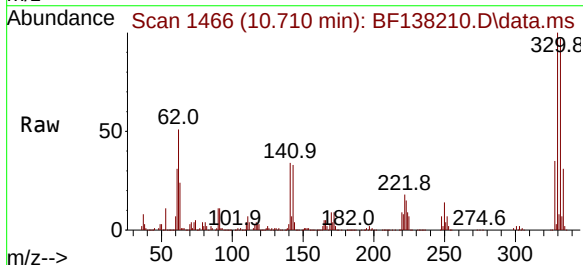
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SP

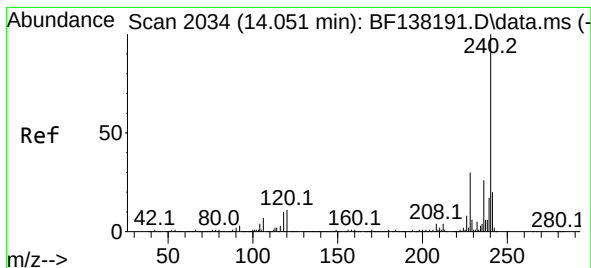
Tgt Ion:198 Resp: 2110
Ion Ratio Lower Upper
198 100
51 162.7 26.9 66.9#
105 187.1 26.0 66.0#



#67
4-Bromophenyl-phenylether
Concen: 3.429 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

Tgt Ion:248 Resp: 56556
Ion Ratio Lower Upper
248 100
250 200.7 77.2 115.8#
141 484.0 44.1 66.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138210.D

Acq: 17 Jun 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SP

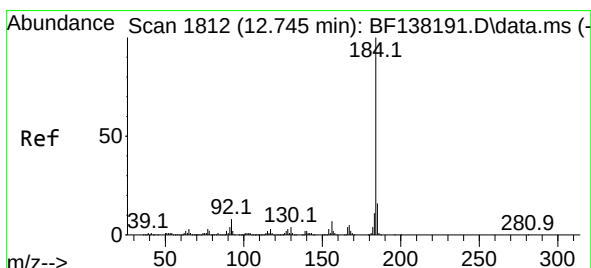
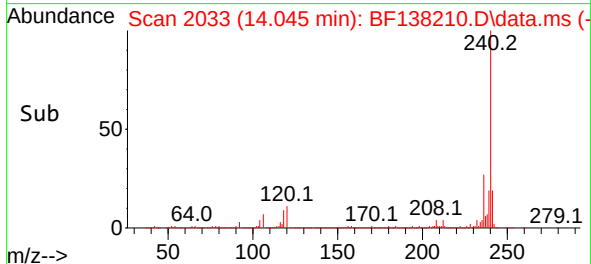
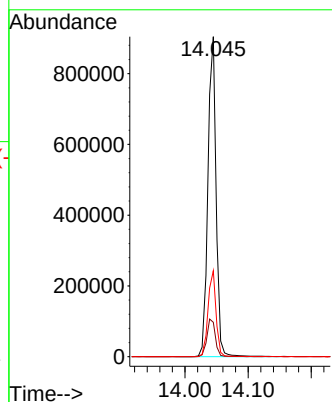
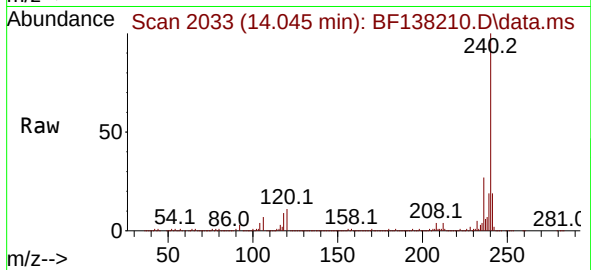
Tgt Ion:240 Resp: 818992

Ion Ratio Lower Upper

240 100

120 10.7 9.2 13.8

236 26.8 21.0 31.6



#77

Benzidine

Concen: 5.708 ng

RT: 12.998 min Scan# 1855

Delta R.T. 0.253 min

Lab File: BF138210.D

Acq: 17 Jun 2024 17:59

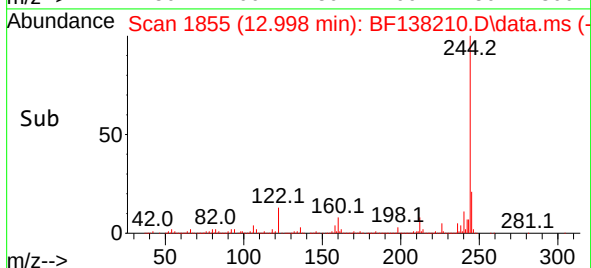
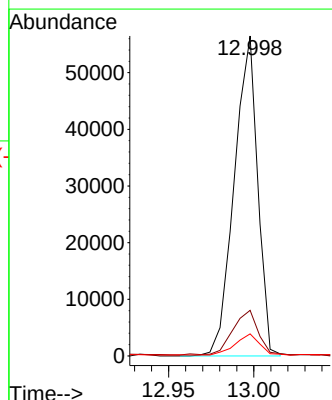
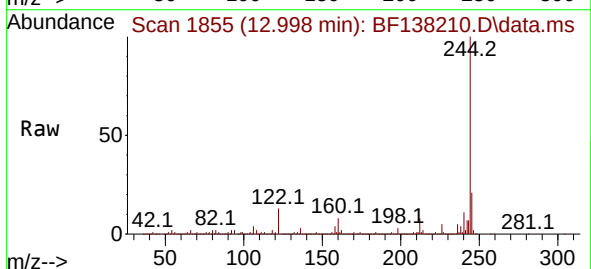
Tgt Ion:184 Resp: 54070

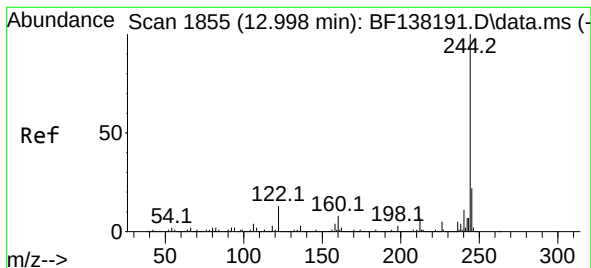
Ion Ratio Lower Upper

184 100

185 14.2 12.6 19.0

183 6.9 9.0 13.6#





#79

Terphenyl-d14

Concen: 76.613 ng

RT: 12.998 min Scan# 1855

Delta R.T. -0.000 min

Lab File: BF138210.D

Acq: 17 Jun 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SP

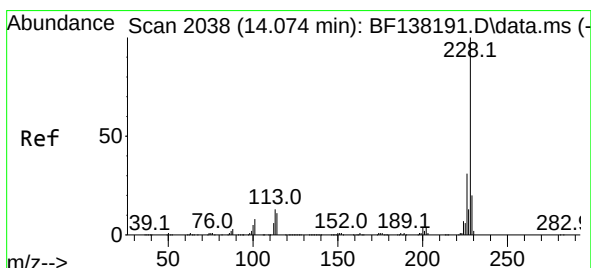
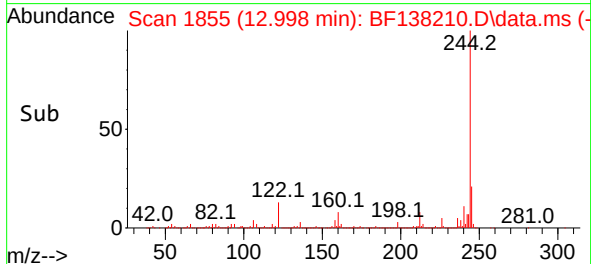
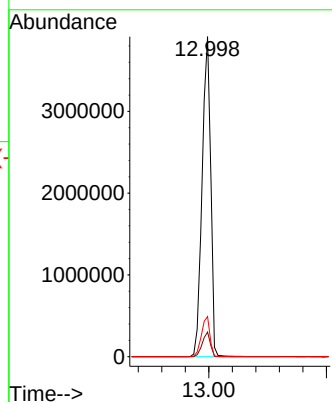
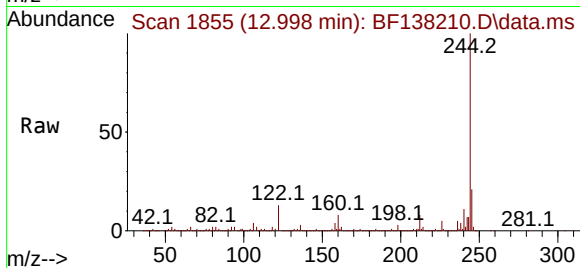
Tgt Ion:244 Resp: 3961620

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

122 12.5 10.6 15.8



#83

Chrysene

Concen: 2.231 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF138210.D

Acq: 17 Jun 2024 17:59

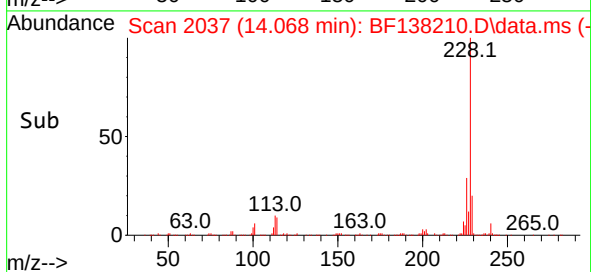
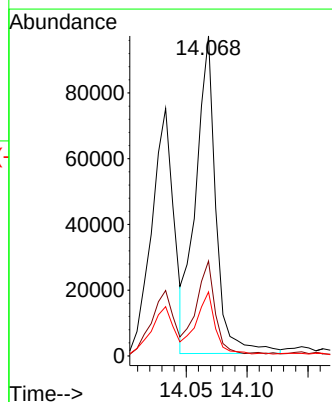
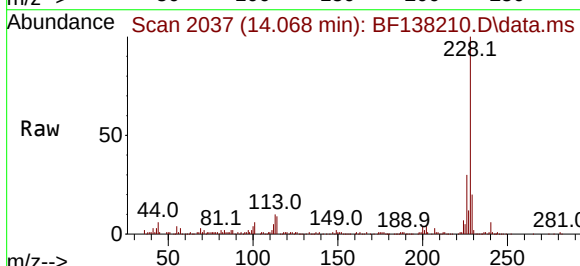
Tgt Ion:228 Resp: 111716

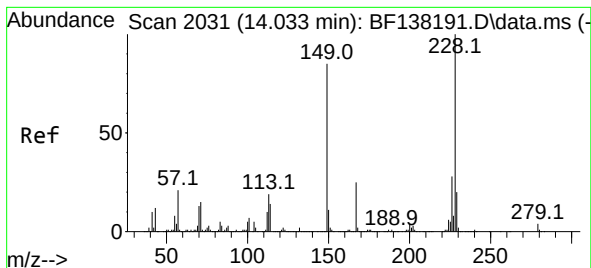
Ion Ratio Lower Upper

228 100

226 29.6 24.5 36.7

229 20.0 16.3 24.5

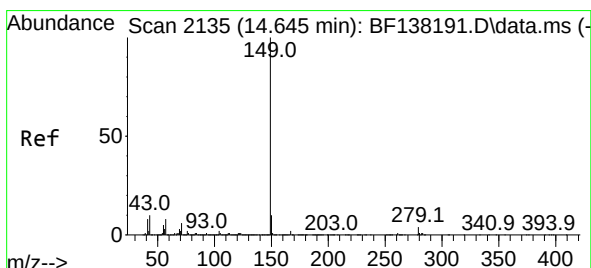
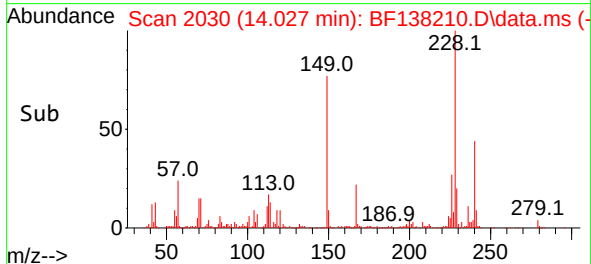
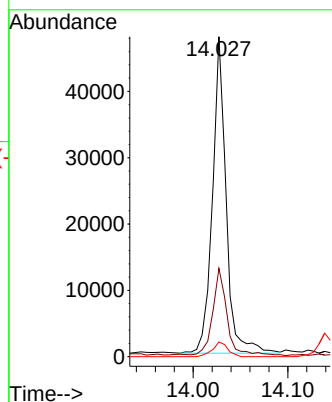
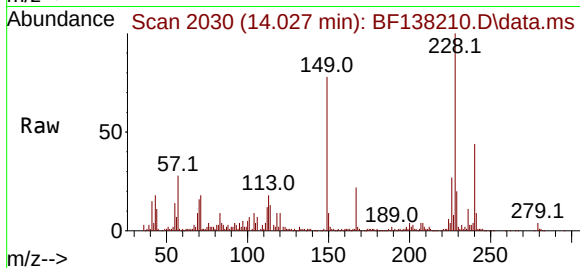




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.137 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

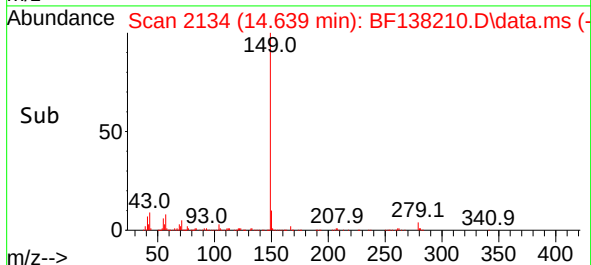
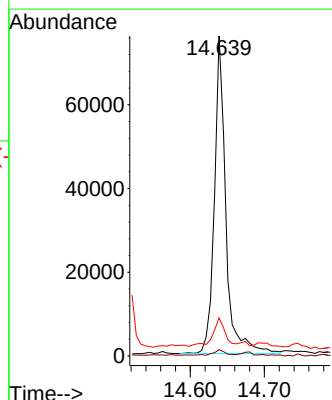
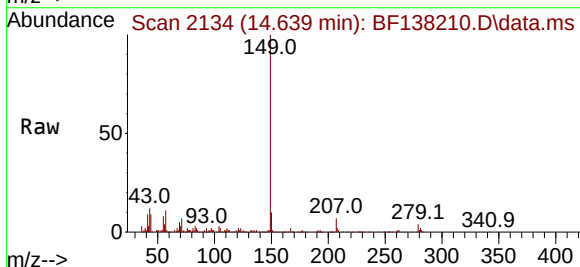
Instrument :
BNA_F
ClientSampleId :
Soil/Gravel-SP

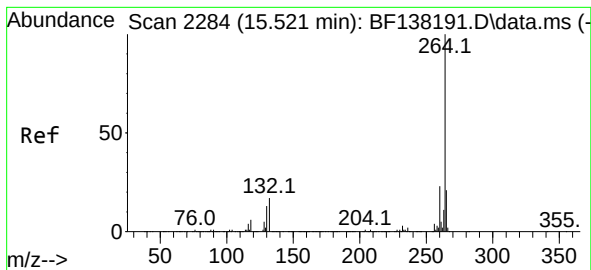
Tgt Ion:149 Resp: 47760
Ion Ratio Lower Upper
149 100
167 27.6 23.5 35.3
279 4.6 4.2 6.2



#85
Di-n-octyl phthalate
Concen: 2.443 ng
RT: 14.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BF138210.D
Acq: 17 Jun 2024 17:59

Tgt Ion:149 Resp: 81108
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.7 7.8 11.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138210.D

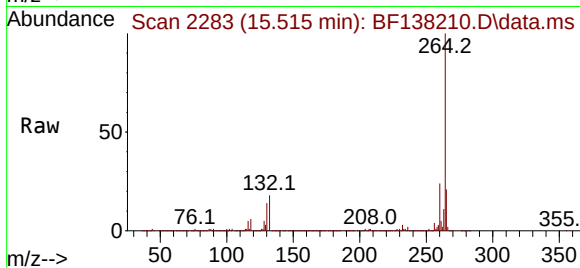
Acq: 17 Jun 2024 17:59

Instrument :

BNA_F

ClientSampleId :

Soil/Gravel-SP



Tgt Ion:264 Resp: 800002

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 20.8 17.0 25.6

