

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
 Data File : BF130273.D
 Acq On : 15 Sep 2022 16:10
 Operator : CG\JU
 Sample : N4600-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913

Quant Time: Sep 16 03:29:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 14 14:55:51 2022
 Response via : Initial Calibration

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

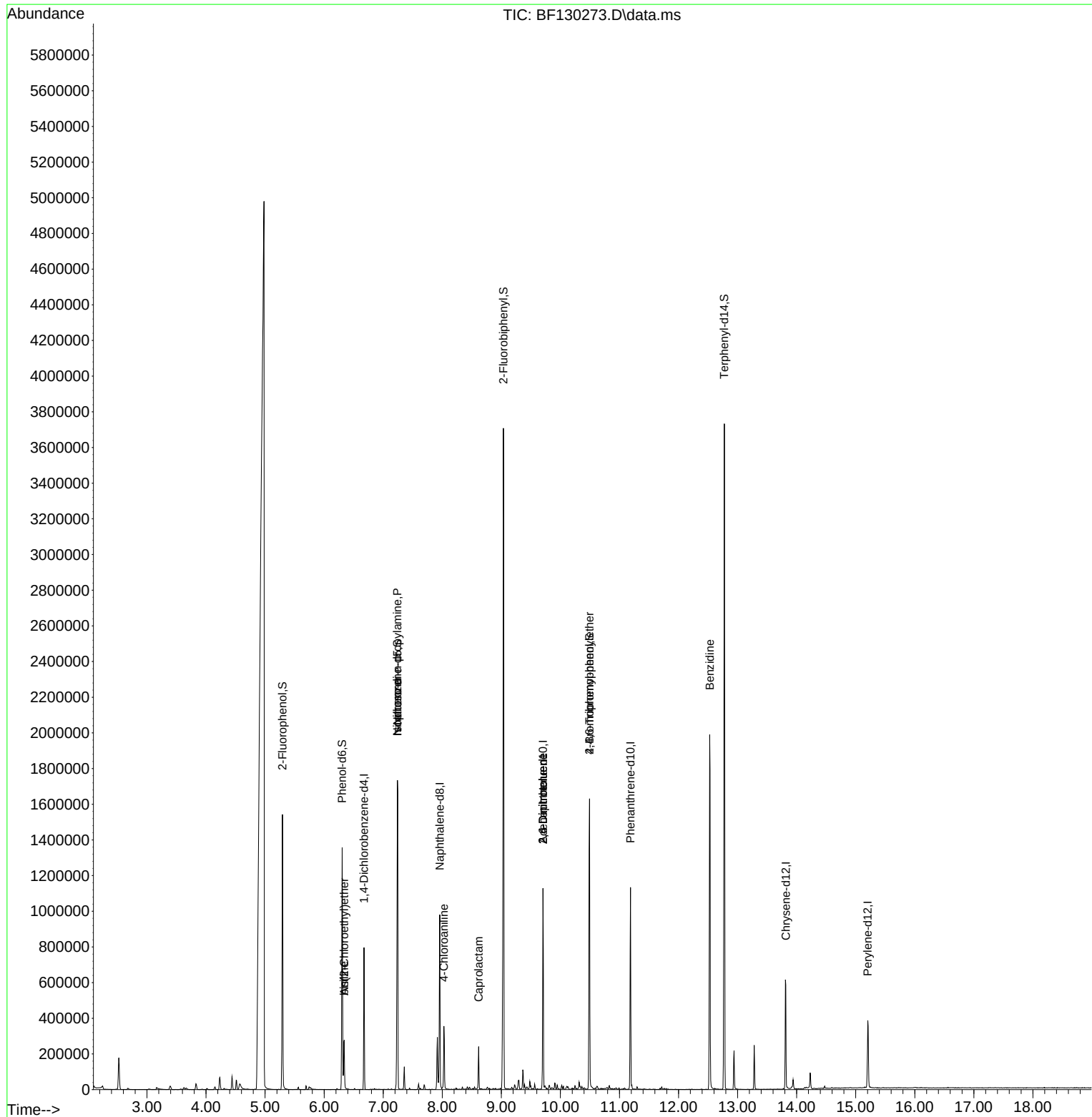
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.675	152	99294	20.000	ng	0.00
21) Naphthalene-d8	7.957	136	395831	20.000	ng	0.00
39) Acenaphthene-d10	9.704	164	211809	20.000	ng	0.00
64) Phenanthrene-d10	11.186	188	359960	20.000	ng	0.00
76) Chrysene-d12	13.816	240	203424	20.000	ng	0.00
86) Perylene-d12	15.204	264	162301	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	388500	67.863	ng	0.02
7) Phenol-d6	6.304	99	446281	62.304	ng	-0.01
23) Nitrobenzene-d5	7.240	82	654033	84.414	ng	-0.01
42) 2,4,6-Tribromophenol	10.492	330	172174	84.834	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	1196818	82.281	ng	0.00
79) Terphenyl-d14	12.775	244	1203004	97.961	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	6.340	93	92226	10.450	ng	97
11) bis(2-Chloroethyl)ether	6.340	93	92226	15.232	ng	# 22
19) n-Nitroso-di-n-propyla...	7.240	70	89834	18.586	ng	# 74
25) Isophorone	7.240	82	652840	52.278	ng	# 66
33) 4-Chloroaniline	8.028	127	91202	11.759	ng	98
35) Caprolactam	8.616	113	7486	4.799	ng	# 1
51) 2,6-Dinitrotoluene	9.704	165	28481	9.308	ng	# 16
57) 2,4-Dinitrotoluene	9.704	165	28481	7.283	ng	# 16
67) 4-Bromophenyl-phenylether	10.492	248	10941	2.755	ng	# 1
77) Benzidine	12.528	184	749013	126.839	ng	99

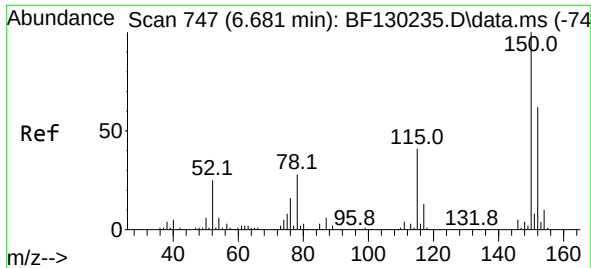
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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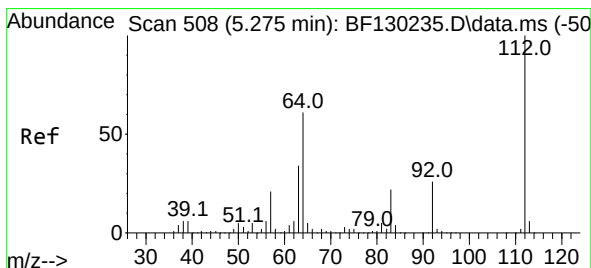
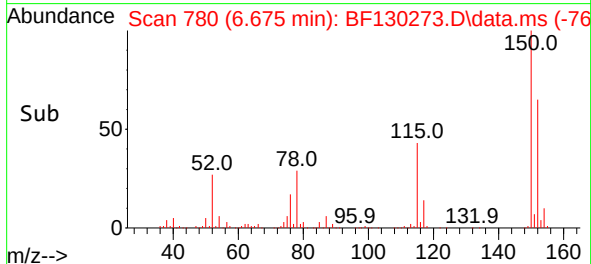
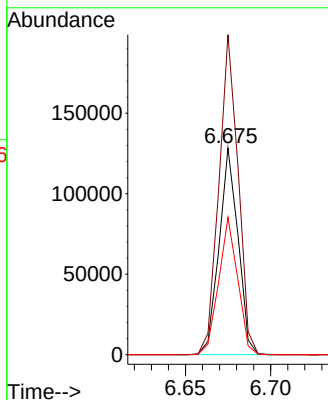
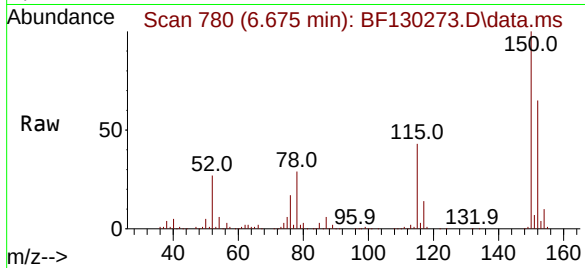




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.675 min Scan# 747
 Delta R.T. -0.006 min
 Lab File: BF130273.D
 Acq: 15 Sep 2022 16:10

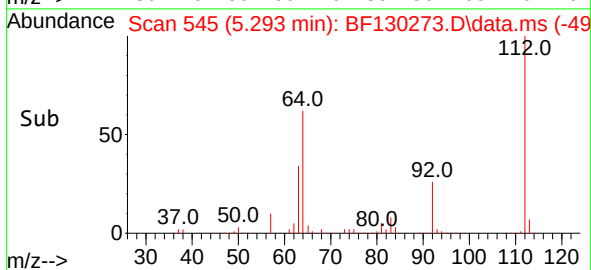
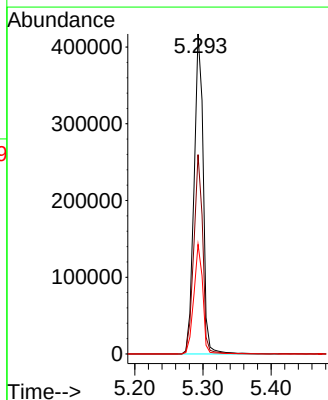
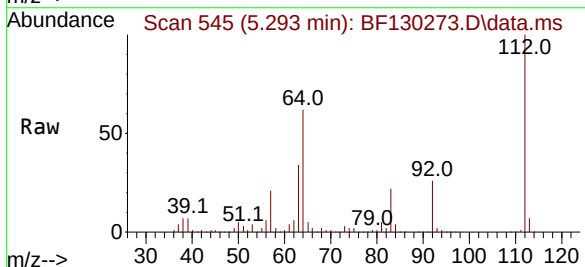
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913

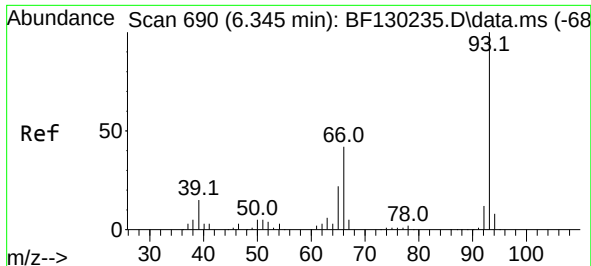
Tgt Ion:152 Resp: 99294
 Ion Ratio Lower Upper
 152 100
 150 154.9 122.8 184.2
 115 66.4 53.8 80.8



#5
 2-Fluorophenol
 Concen: 67.863 ng
 RT: 5.293 min Scan# 545
 Delta R.T. 0.018 min
 Lab File: BF130273.D
 Acq: 15 Sep 2022 16:10

Tgt Ion:112 Resp: 388500
 Ion Ratio Lower Upper
 112 100
 64 62.3 51.4 77.0
 63 34.2 28.8 43.2





#6

Aniline

Concen: 10.450 ng

RT: 6.340 min Scan# 717

Delta R.T. -0.006 min

Lab File: BF130273.D

Acq: 15 Sep 2022 16:10

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913

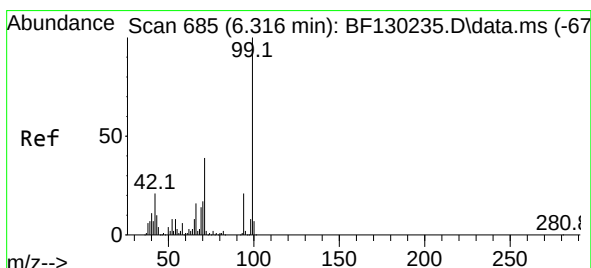
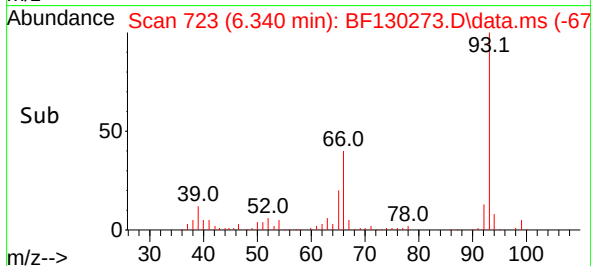
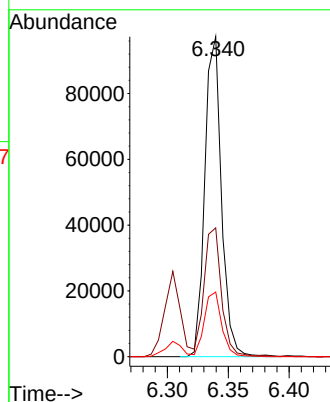
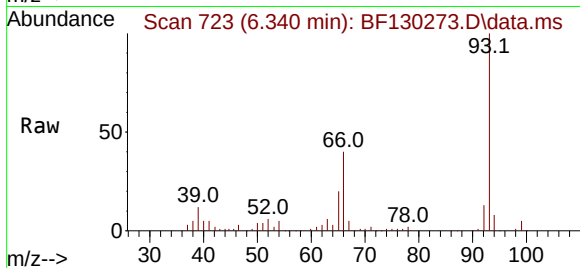
Tgt Ion: 93 Resp: 92226

Ion Ratio Lower Upper

93 100

66 40.2 34.2 51.4

65 20.2 16.6 24.8



#7

Phenol-d6

Concen: 62.304 ng

RT: 6.304 min Scan# 717

Delta R.T. -0.012 min

Lab File: BF130273.D

Acq: 15 Sep 2022 16:10

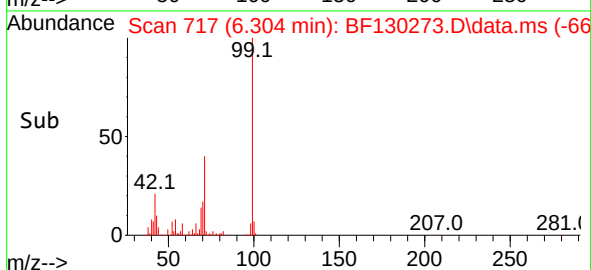
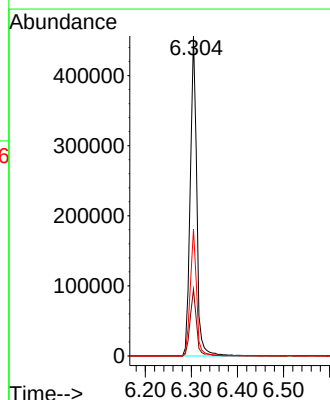
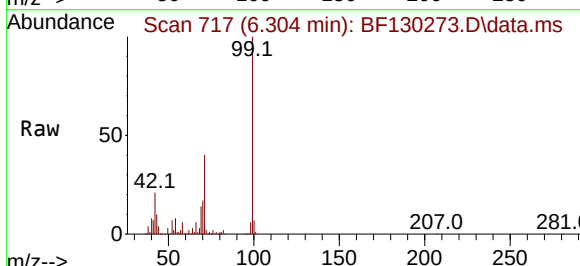
Tgt Ion: 99 Resp: 446281

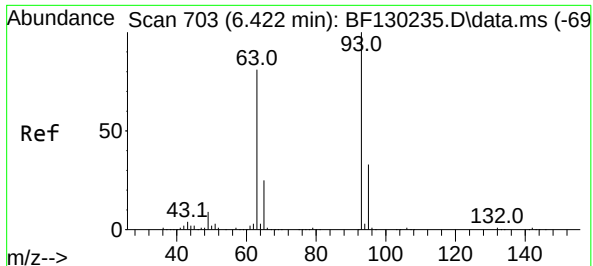
Ion Ratio Lower Upper

99 100

42 20.8 17.0 25.6

71 39.6 32.3 48.5

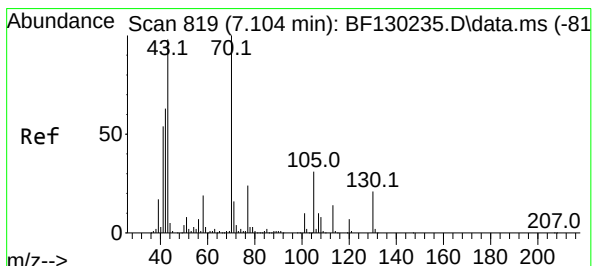
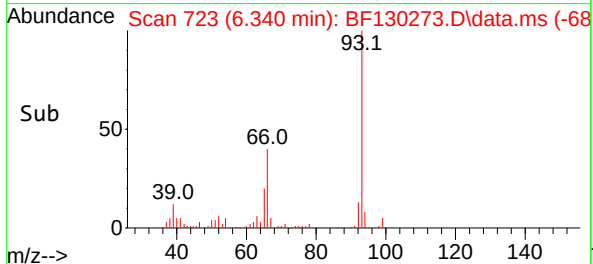
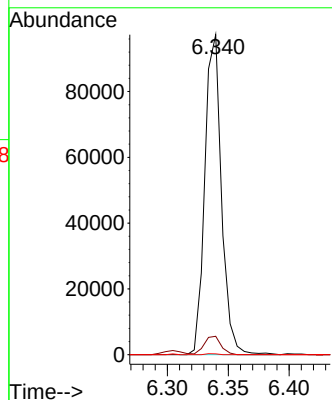
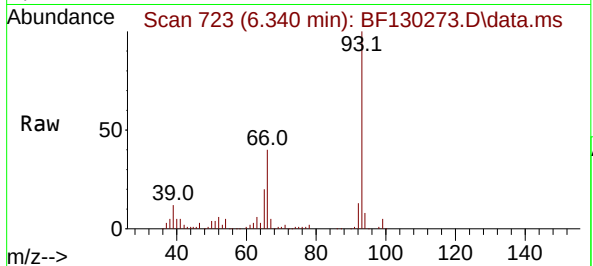




#11
bis(2-Chloroethyl)ether
Concen: 15.232 ng
RT: 6.340 min Scan# 703
Delta R.T. -0.082 min
Lab File: BF130273.D
Acq: 15 Sep 2022 16:10

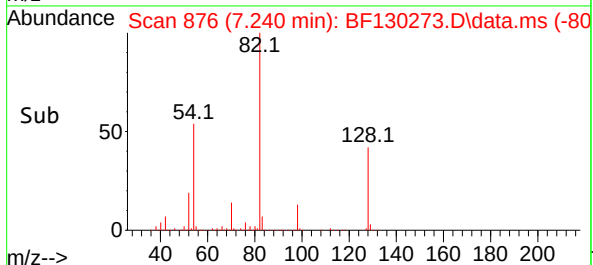
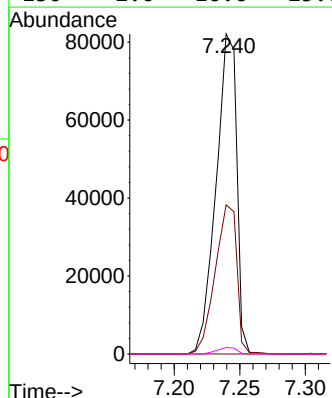
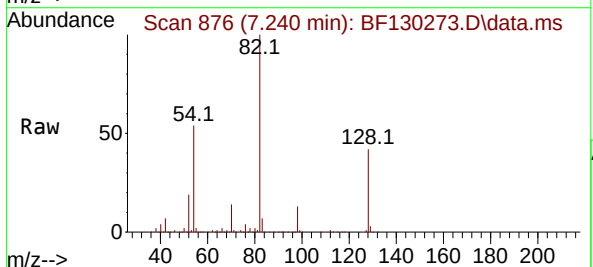
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913

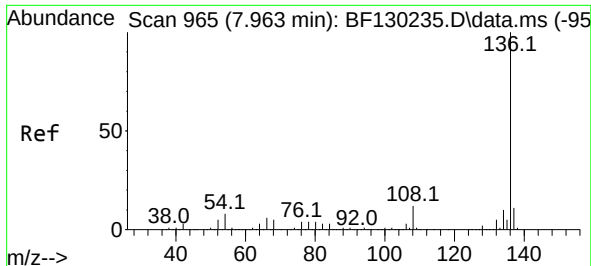
Tgt Ion: 93 Resp: 92226
Ion Ratio Lower Upper
93 100
63 5.8 62.5 102.5#
95 0.3 12.5 52.5#



#19
n-Nitroso-di-n-propylamine
Concen: 18.586 ng
RT: 7.240 min Scan# 876
Delta R.T. 0.136 min
Lab File: BF130273.D
Acq: 15 Sep 2022 16:10

Tgt Ion: 70 Resp: 89834
Ion Ratio Lower Upper
70 100
42 46.6 50.8 76.2#
101 0.0 8.2 12.4#
130 2.0 16.6 25.0#



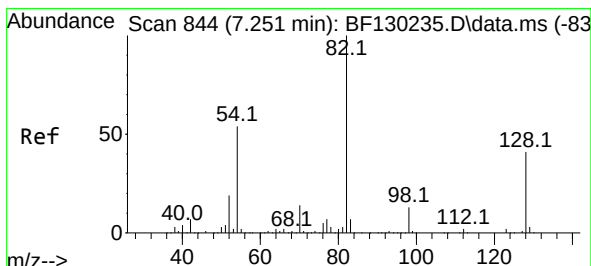
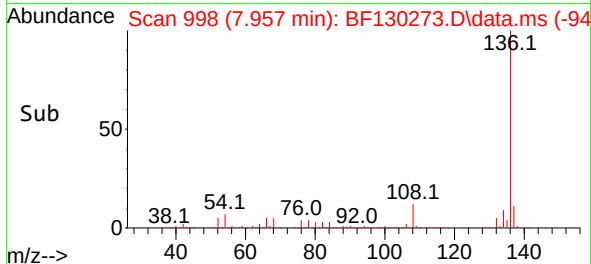
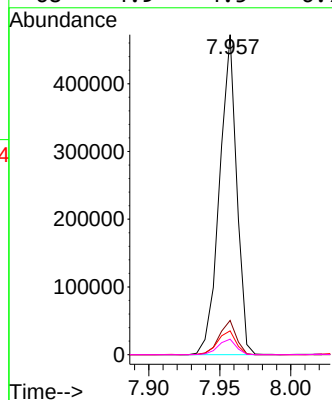
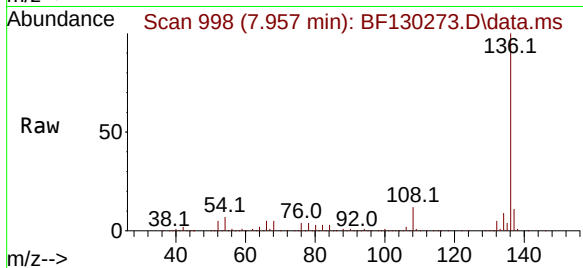


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.957 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130273.D
Acq: 15 Sep 2022 16:10

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913

Tgt Ion:136 Resp: 395831

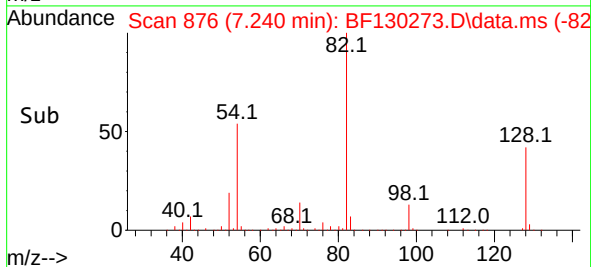
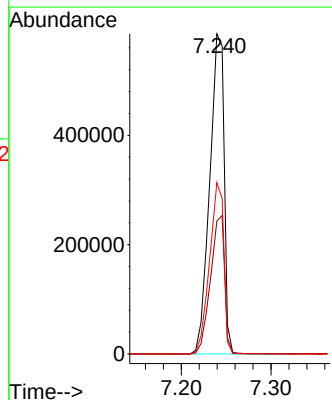
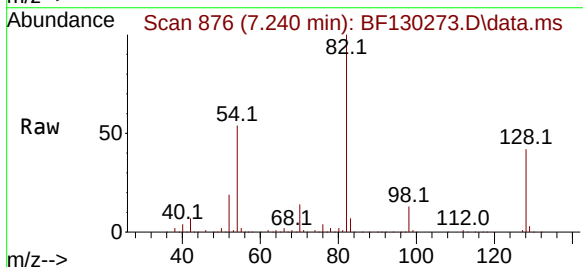
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	7.4	7.1	10.7
68	4.9	4.5	6.7

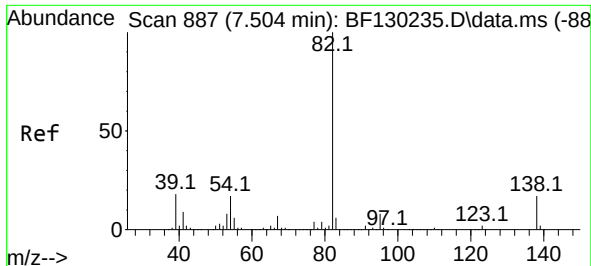


#23
Nitrobenzene-d5
Concen: 84.414 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF130273.D
Acq: 15 Sep 2022 16:10

Tgt Ion: 82 Resp: 654033

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.6	49.0
54	53.5	43.8	65.6

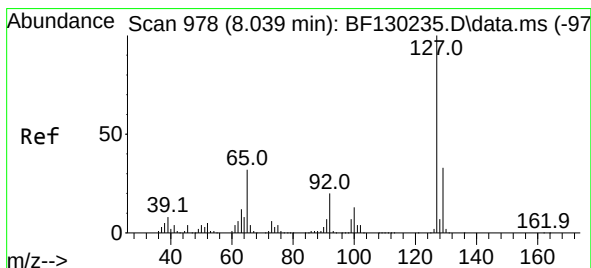
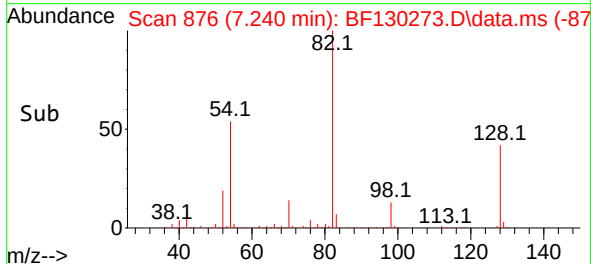
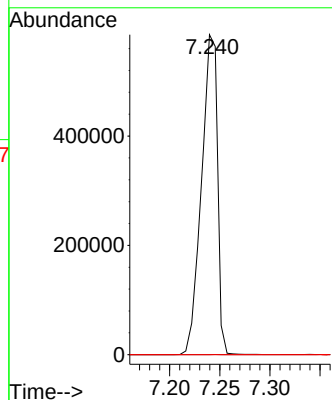
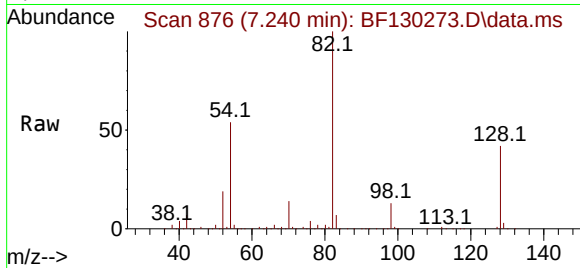




#25
Isophorone
Concen: 52.278 ng
RT: 7.240 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF130273.D
Acq: 15 Sep 2022 16:10

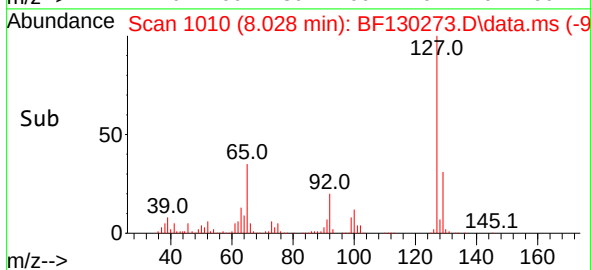
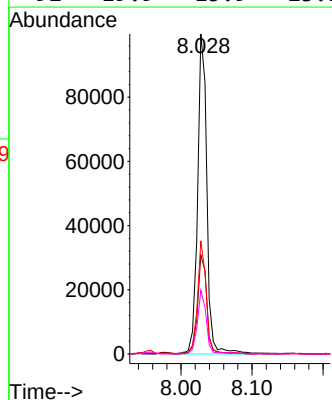
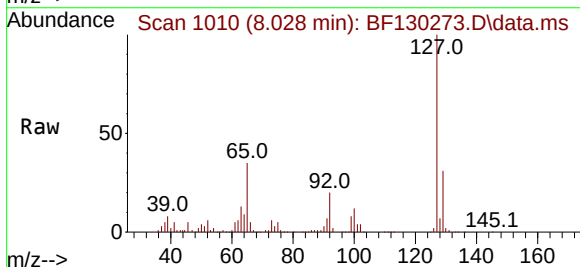
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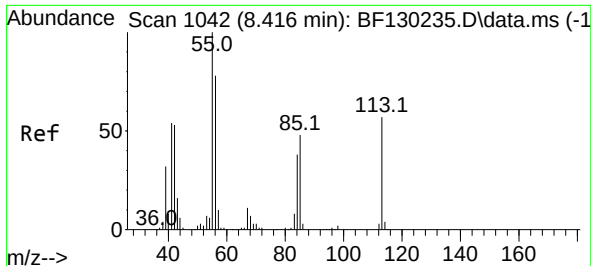
Tgt Ion: 82 Resp: 652840
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#33
4-Chloroaniline
Concen: 11.759 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF130273.D
Acq: 15 Sep 2022 16:10

Tgt Ion: 127 Resp: 91202
Ion Ratio Lower Upper
127 100
129 30.9 25.6 38.4
65 35.4 27.0 40.6
92 19.9 15.9 23.9

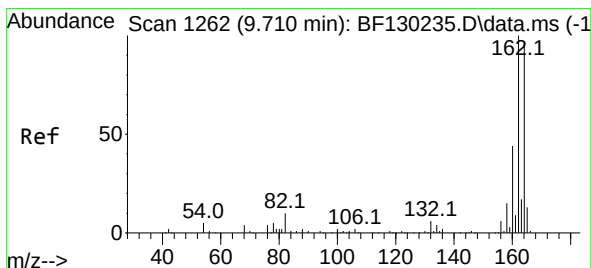
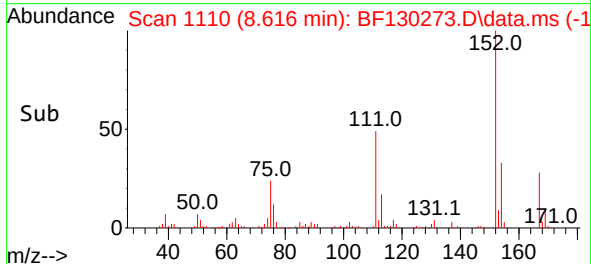
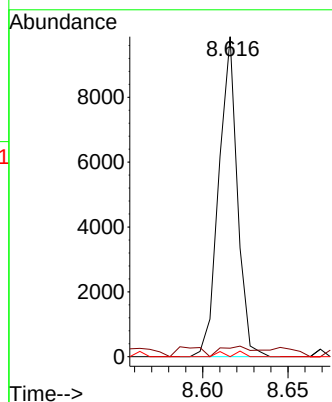
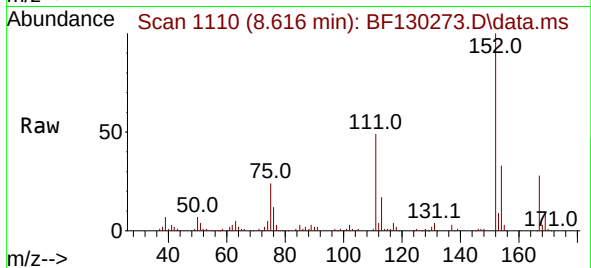




#35
 Caprolactam
 Concen: 4.799 ng
 RT: 8.616 min Scan# 1110
 Delta R.T. 0.200 min
 Lab File: BF130273.D
 Acq: 15 Sep 2022 16:10

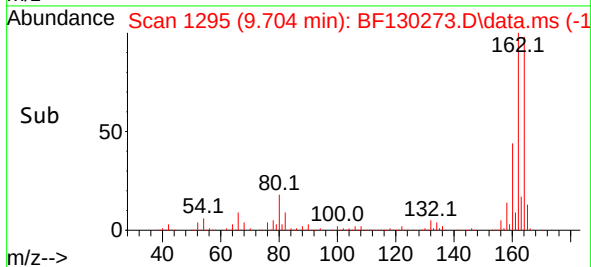
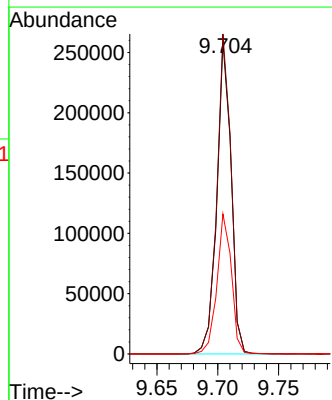
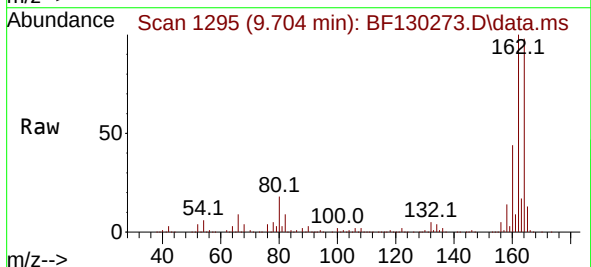
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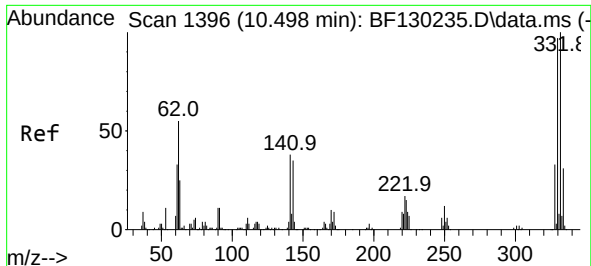
Tgt Ion:113 Resp: 7486
 Ion Ratio Lower Upper
 113 100
 55 2.7 155.4 195.4#
 56 0.0 120.4 160.4#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.704 min Scan# 1295
 Delta R.T. -0.006 min
 Lab File: BF130273.D
 Acq: 15 Sep 2022 16:10

Tgt Ion:164 Resp: 211809
 Ion Ratio Lower Upper
 164 100
 162 102.5 81.4 122.0
 160 44.8 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 84.834 ng

RT: 10.492 min Scan# 1429

Delta R.T. -0.006 min

Lab File: BF130273.D

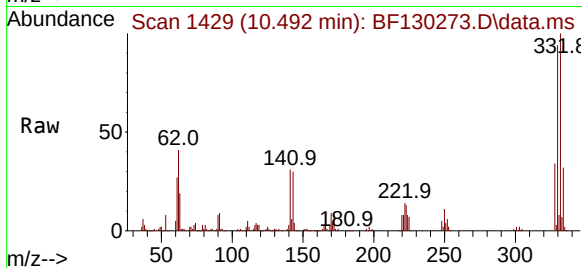
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Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913



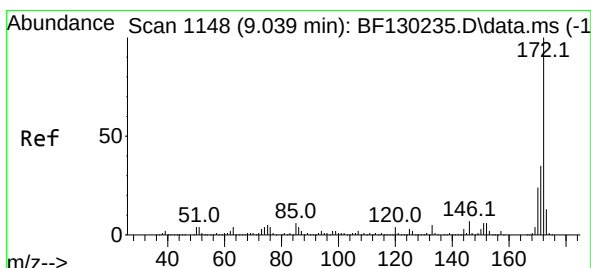
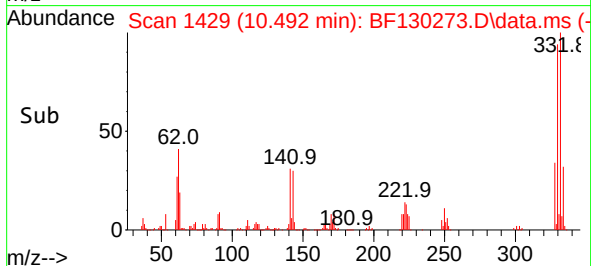
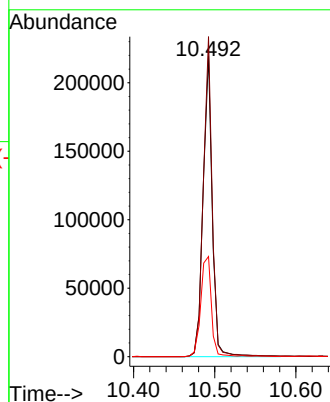
Tgt Ion:330 Resp: 172174

Ion Ratio Lower Upper

330 100

332 104.1 83.4 125.2

141 39.4 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 82.281 ng

RT: 9.034 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF130273.D

Acq: 15 Sep 2022 16:10

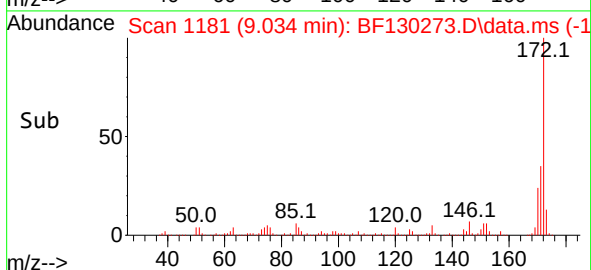
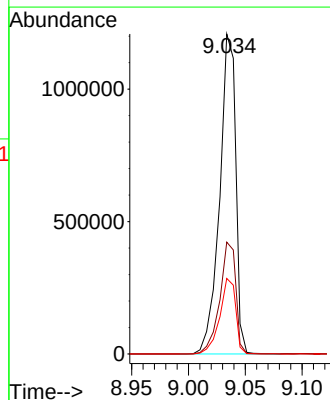
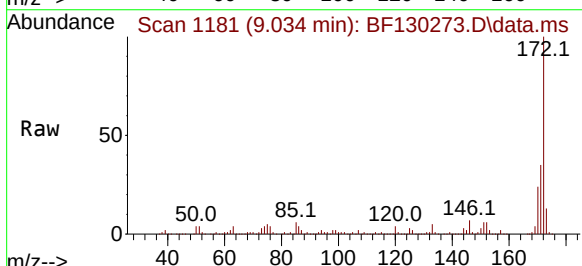
Tgt Ion:172 Resp: 1196818

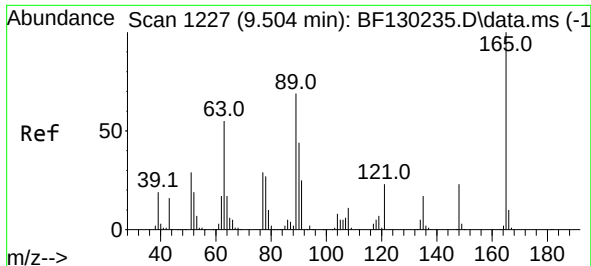
Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.6 18.7 28.1

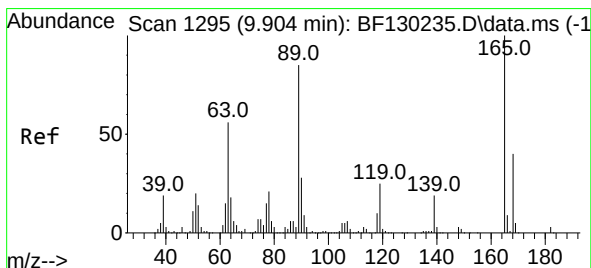
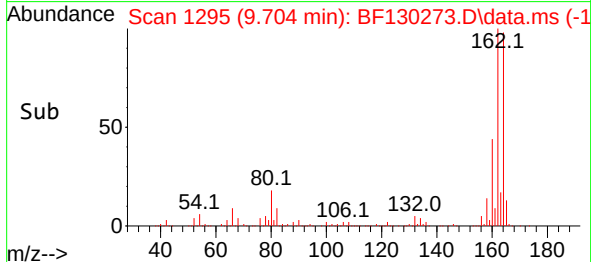
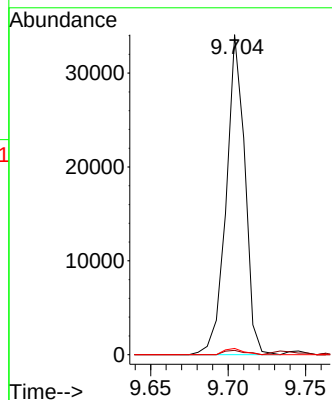
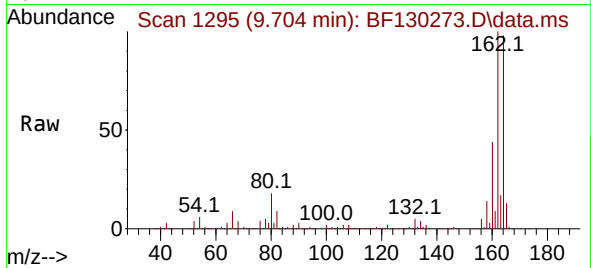




#51
2,6-Dinitrotoluene
Concen: 9.308 ng
RT: 9.704 min Scan# 1227
Delta R.T. 0.200 min
Lab File: BF130273.D
Acq: 15 Sep 2022 16:10

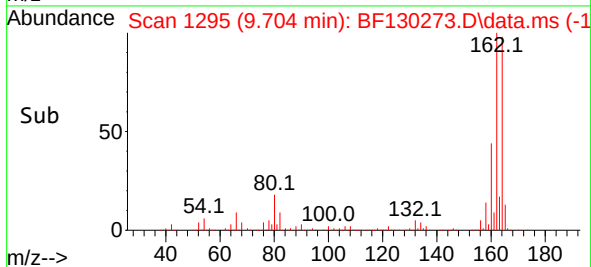
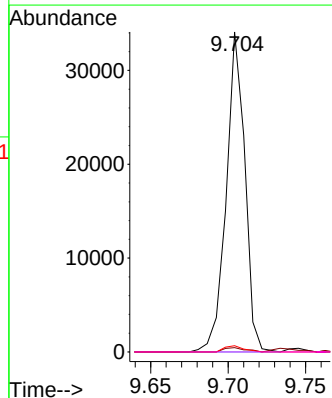
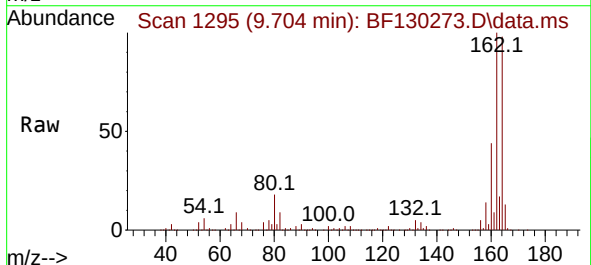
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913

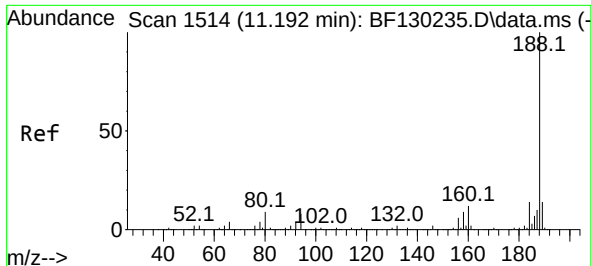
Tgt Ion:165 Resp: 28481
Ion Ratio Lower Upper
165 100
63 1.3 58.8 88.2#
89 2.0 54.5 81.7#



#57
2,4-Dinitrotoluene
Concen: 7.283 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.200 min
Lab File: BF130273.D
Acq: 15 Sep 2022 16:10

Tgt Ion:165 Resp: 28481
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 2.0 69.0 103.4#
182 0.0 1.9 2.9#

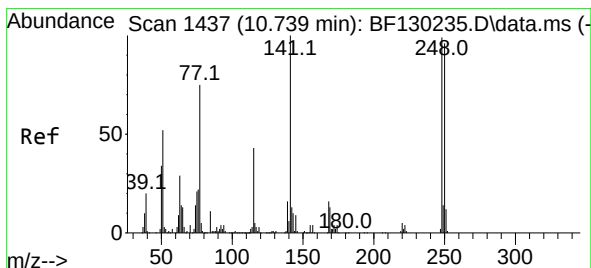
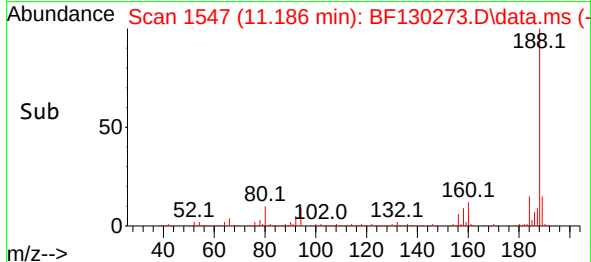
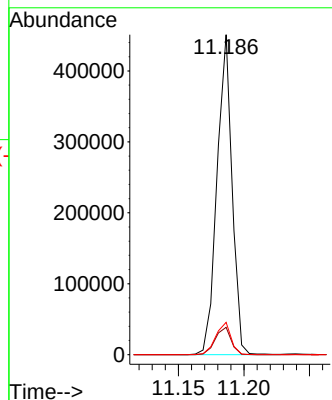
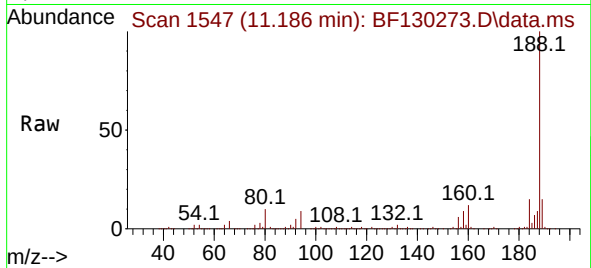




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.186 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130273.D
Acq: 15 Sep 2022 16:10

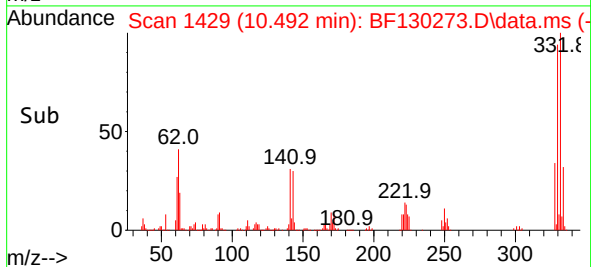
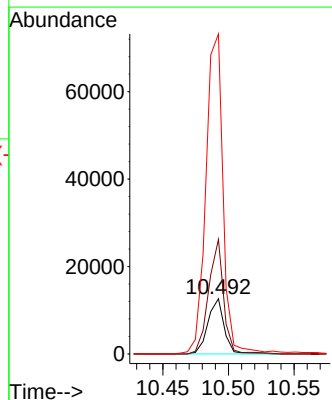
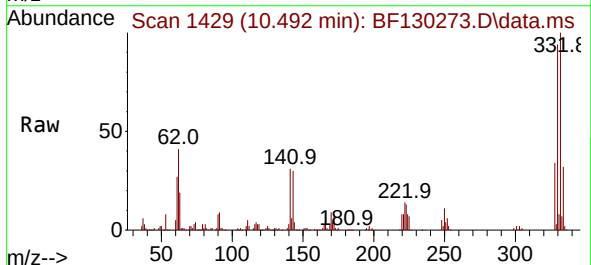
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913

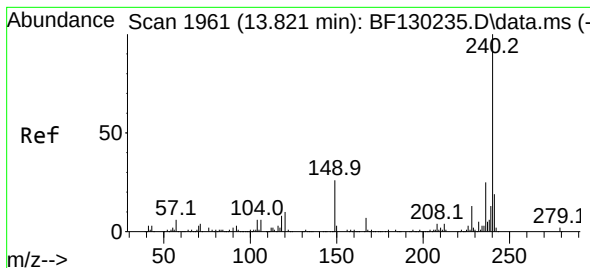
Tgt Ion:188 Resp: 359960
Ion Ratio Lower Upper
188 100
94 8.6 7.4 11.2
80 10.1 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.755 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.247 min
Lab File: BF130273.D
Acq: 15 Sep 2022 16:10

Tgt Ion:248 Resp: 10941
Ion Ratio Lower Upper
248 100
250 207.6 80.0 120.0#
141 579.8 68.5 102.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.816 min Scan# 1994

Delta R.T. -0.006 min

Lab File: BF130273.D

Acq: 15 Sep 2022 16:10

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913

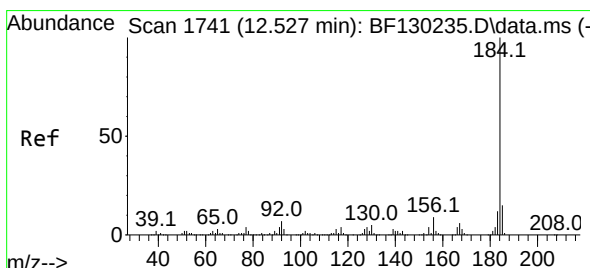
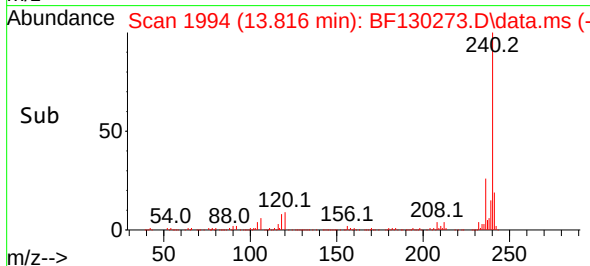
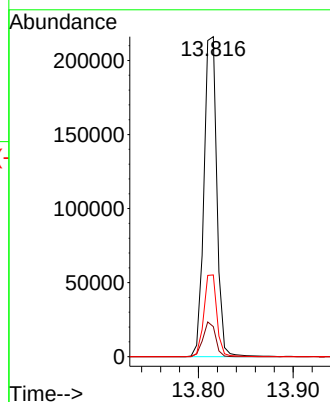
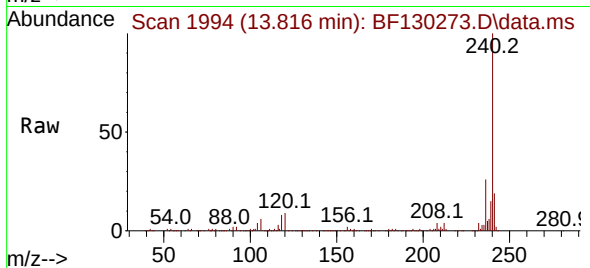
Tgt Ion:240 Resp: 203424

Ion Ratio Lower Upper

240 100

120 9.4 8.7 13.1

236 25.5 20.9 31.3



#77

Benzidine

Concen: 126.839 ng

RT: 12.528 min Scan# 1775

Delta R.T. 0.000 min

Lab File: BF130273.D

Acq: 15 Sep 2022 16:10

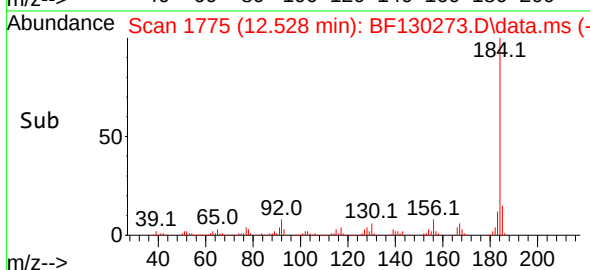
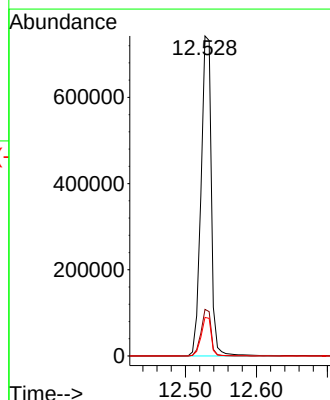
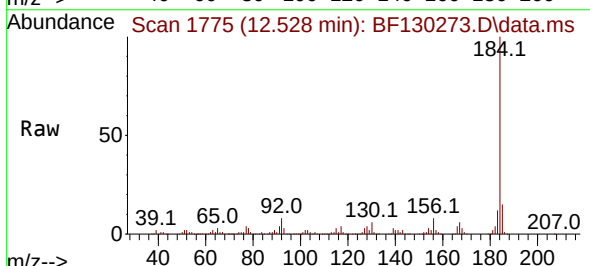
Tgt Ion:184 Resp: 749013

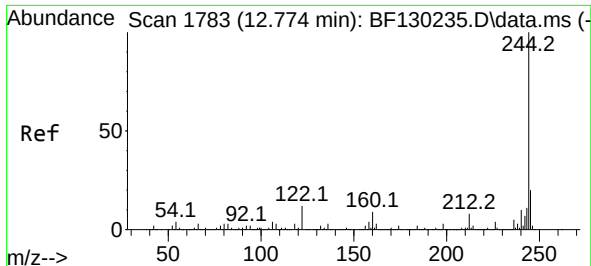
Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.6

183 12.1 9.1 13.7

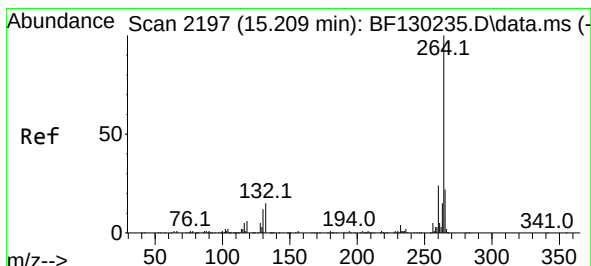
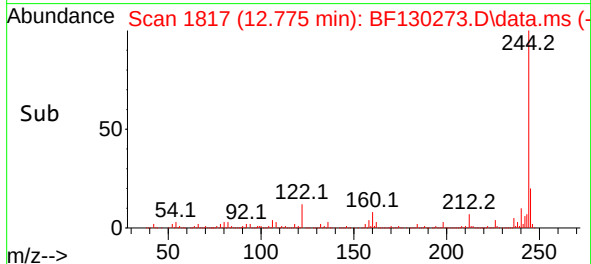
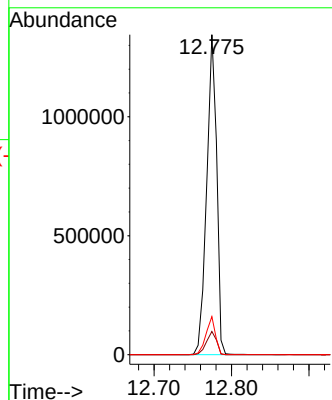
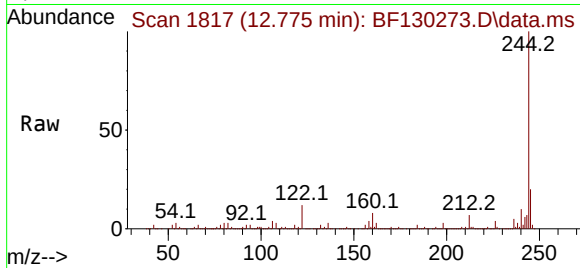




#79
 Terphenyl-d14
 Concen: 97.961 ng
 RT: 12.775 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130273.D
 Acq: 15 Sep 2022 16:10

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913

Tgt Ion:244 Resp: 1203004
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 11.9 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.204 min Scan# 2230
 Delta R.T. -0.006 min
 Lab File: BF130273.D
 Acq: 15 Sep 2022 16:10

Tgt Ion:264 Resp: 162301
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.3 28.9
 265 21.4 17.0 25.4

