

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133246.D
 Acq On : 04 May 2023 23:10
 Operator : CG\JU
 Sample : 02603-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUR-SOILCOMP

Quant Time: May 05 05:33:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

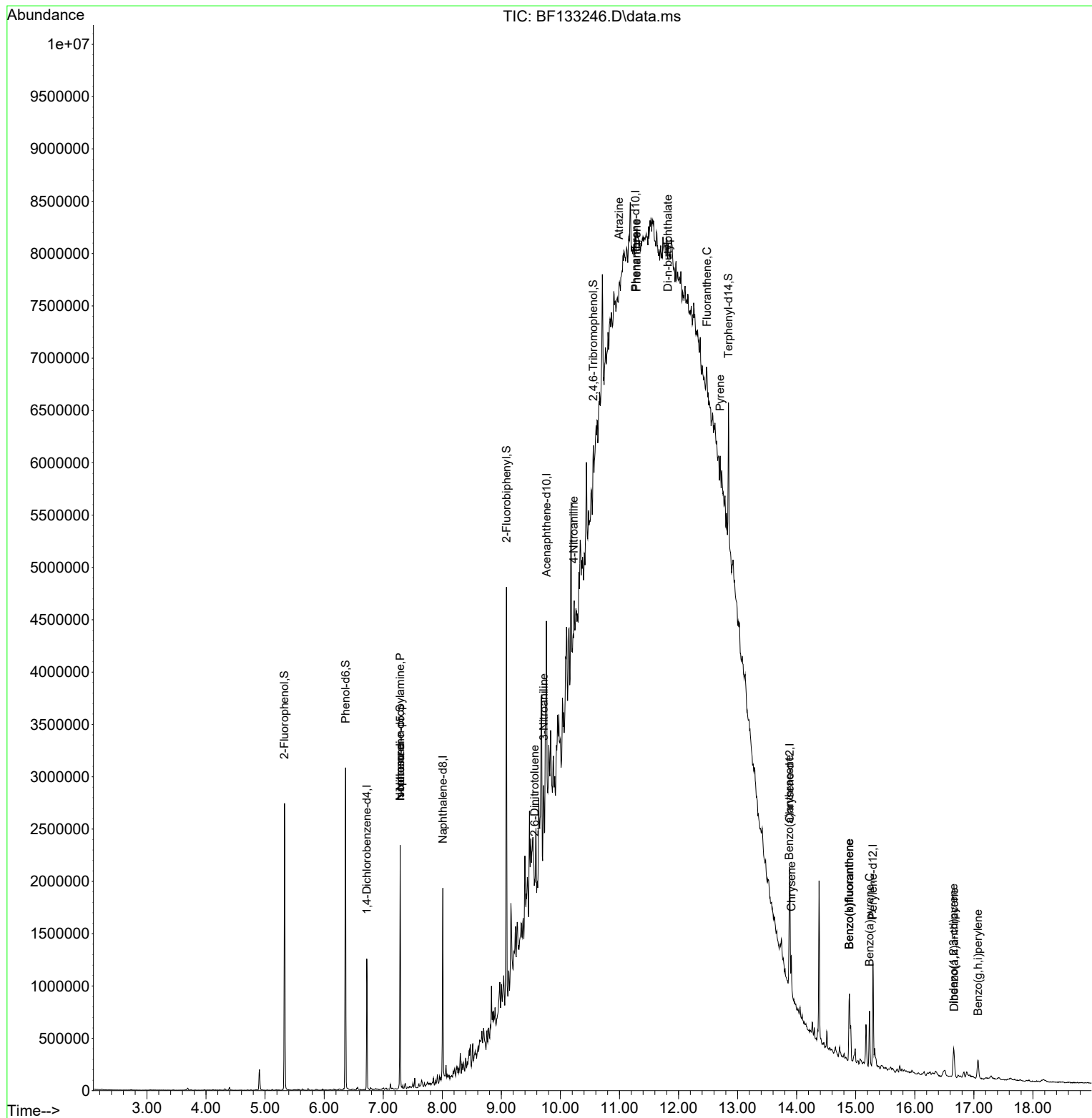
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	172049	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	675188	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	303521	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	250714	20.000	ng	# 0.02
76) Chrysene-d12	13.880	240	347163	20.000	ng	0.00
86) Perylene-d12	15.292	264	401204	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	770508	67.651	ng	0.00
7) Phenol-d6	6.363	99	977548	69.150	ng	-0.01
23) Nitrobenzene-d5	7.287	82	616799	49.309	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	163386	53.526	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1100946	60.684	ng	0.00
79) Terphenyl-d14	12.845	244	732534	36.391	ng	0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.269	77	1436	Below Cal	#	70
19) n-Nitroso-di-n-propyla...	7.287	70	84718	9.626	ng	# 80
25) Isophorone	7.287	82	614775	25.885	ng	# 63
51) 2,6-Dinitrotoluene	9.563	165	10754	2.258	ng	# 32
53) 3-Nitroaniline	9.716	138	14681	2.592	ng	# 36
62) 4-Nitroaniline	10.228	138	30581	5.875	ng	85
69) Atrazine	10.992	200	10762	4.593	ng	# 1
71) Phenanthrene	11.292	178	60316	4.476	ng	# 1
74) Di-n-butylphthalate	11.822	149	52095	3.749	ng	# 41
75) Fluoranthene	12.480	202	121622	8.993	ng	87
78) Pyrene	12.704	202	123788	4.160	ng	# 89
81) Benzo(a)anthracene	13.874	228	162865	6.822	ng	95
83) Chrysene	13.910	228	165512	6.935	ng	96
87) Indeno(1,2,3-cd)pyrene	16.657	276	162661	7.128	ng	94
88) Benzo(b)fluoranthene	14.892	252	459117	17.988	ng	98
89) Benzo(k)fluoranthene	14.892	252	459117	18.146	ng	98
90) Benzo(a)pyrene	15.233	252	223343	9.613	ng	99
91) Dibenzo(a,h)anthracene	16.668	278	44110	2.317	ng	94
92) Benzo(g,h,i)perylene	17.068	276	130894	6.966	ng	96

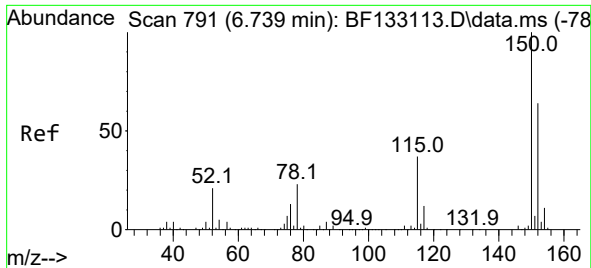
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 05 05:33:47 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 04 12:22:53 2023
Response via : Initial Calibration

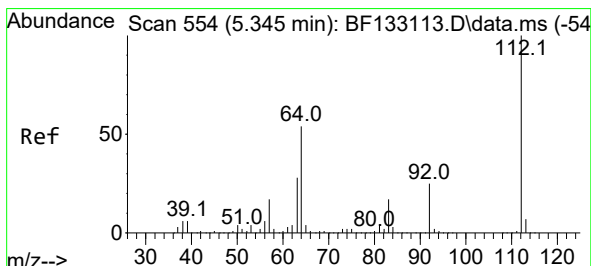
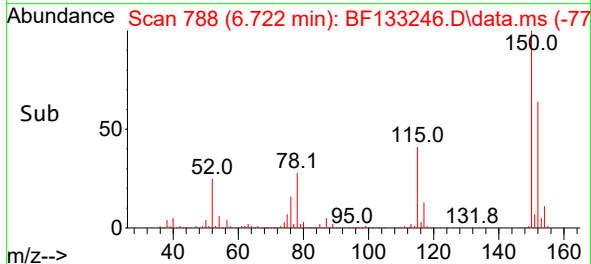
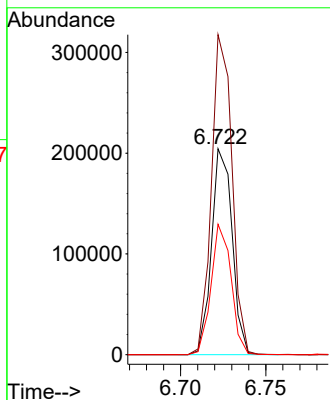
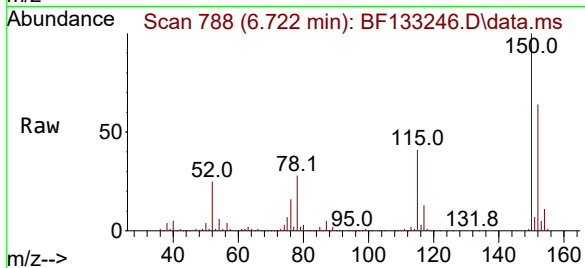




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF133246.D
 Acq: 04 May 2023 23:10

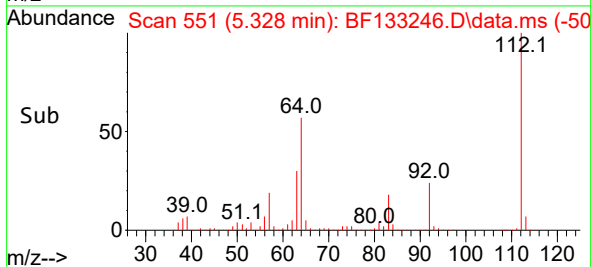
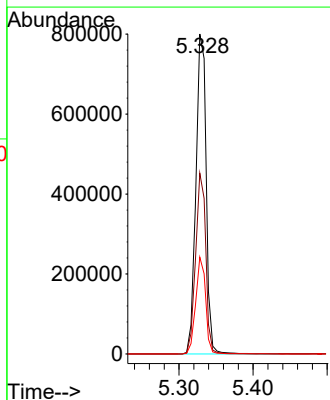
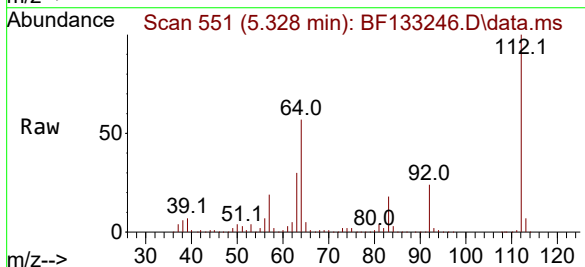
Instrument :
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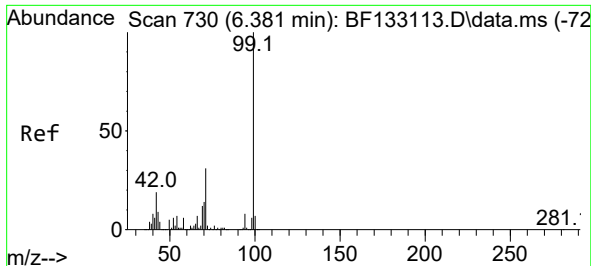
Tgt Ion:152 Resp: 172049
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.8 187.2
 115 63.3 49.9 74.9



#5
 2-Fluorophenol
 Concen: 67.651 ng
 RT: 5.328 min Scan# 551
 Delta R.T. -0.006 min
 Lab File: BF133246.D
 Acq: 04 May 2023 23:10

Tgt Ion:112 Resp: 770508
 Ion Ratio Lower Upper
 112 100
 64 56.5 46.8 70.2
 63 30.2 23.8 35.8

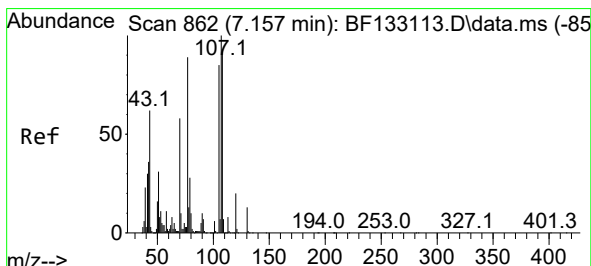
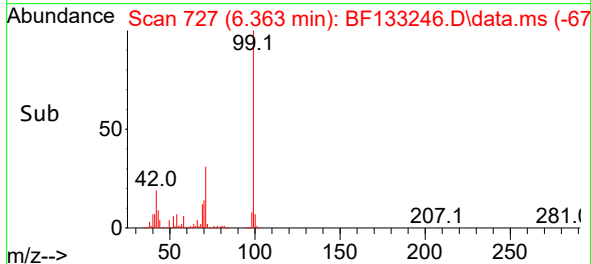
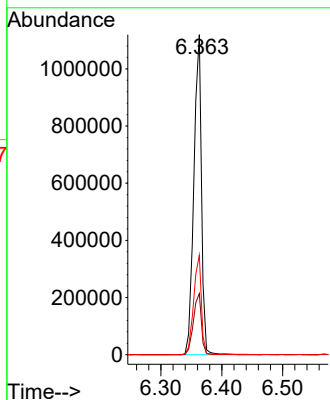
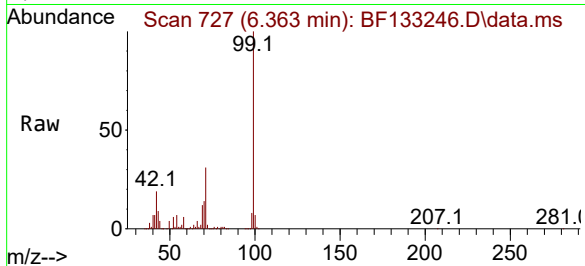




#7
Phenol-d6
Concen: 69.150 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

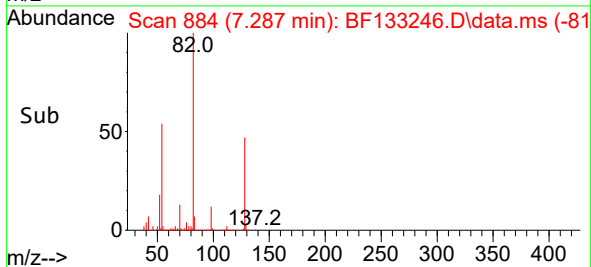
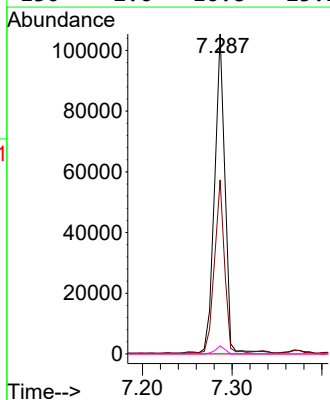
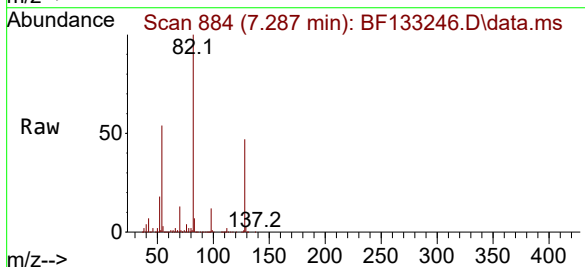
Instrument :
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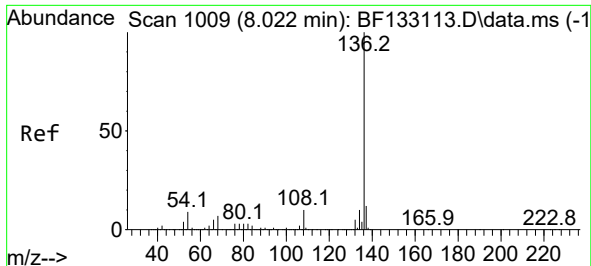
Tgt Ion: 99 Resp: 977548
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 31.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.626 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.135 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion: 70 Resp: 84718
Ion Ratio Lower Upper
70 100
42 54.4 51.8 77.6
101 0.0 8.0 12.0#
130 2.6 16.8 25.2#

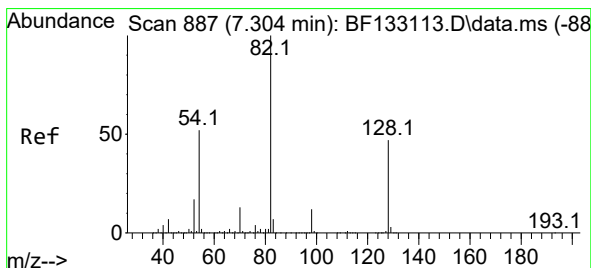
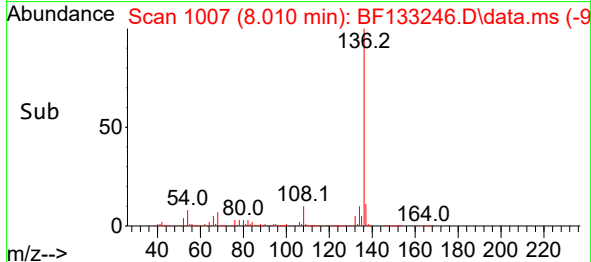
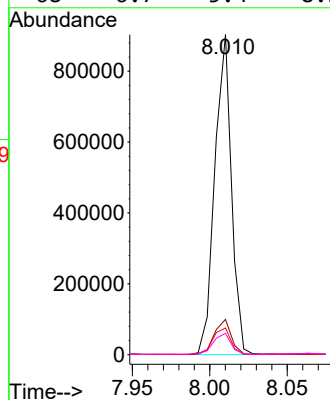
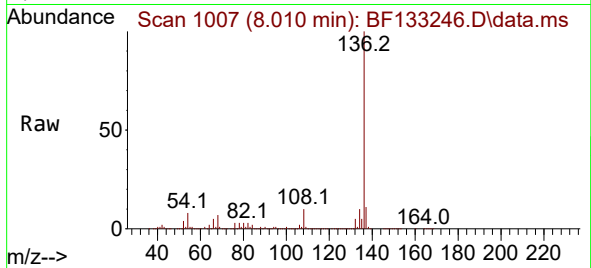




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

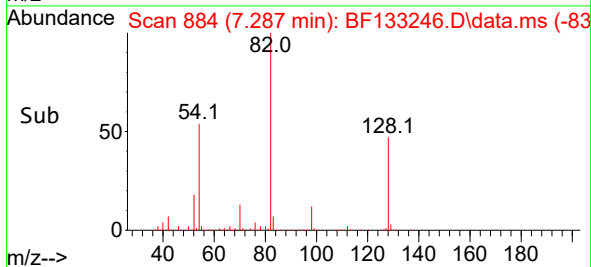
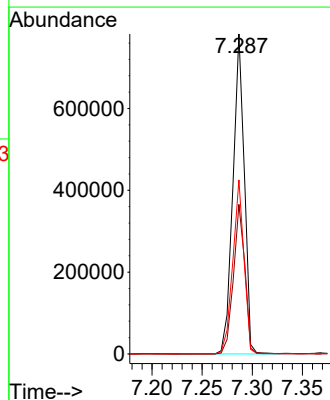
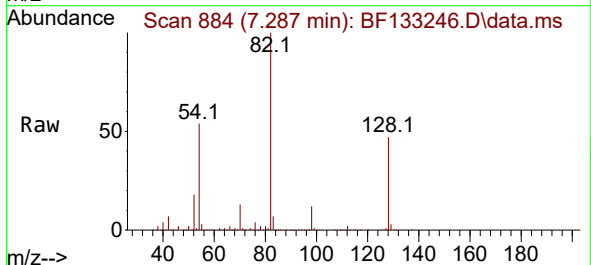
Instrument :
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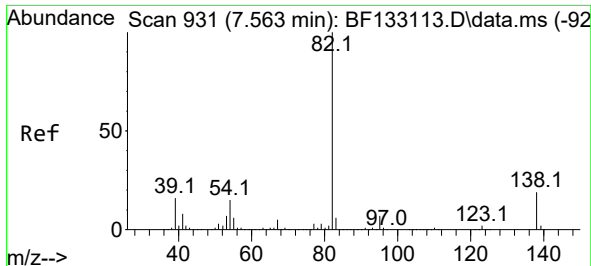
Tgt Ion:	136	Resp:	675188
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.4	7.0	10.4
68	6.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 49.309 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:	82	Resp:	616799
Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.7	56.5
54	54.4	43.0	64.4

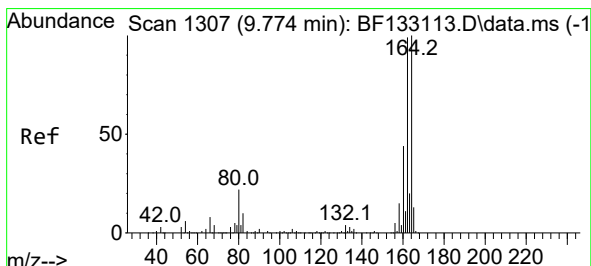
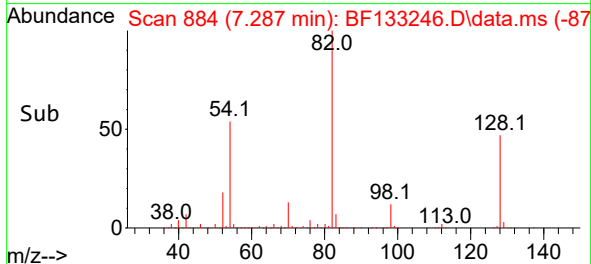
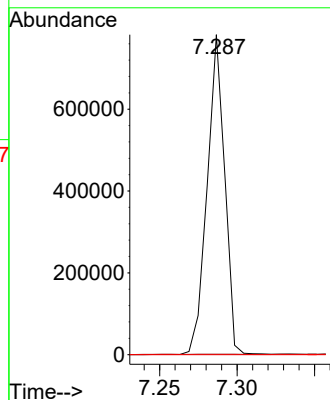
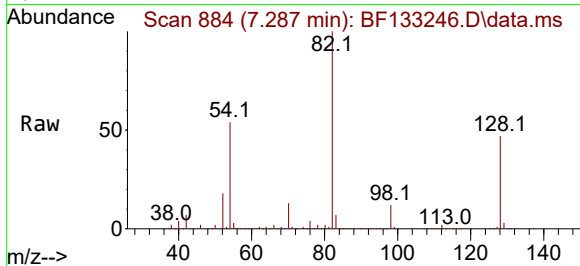




#25
Isophorone
Concen: 25.885 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

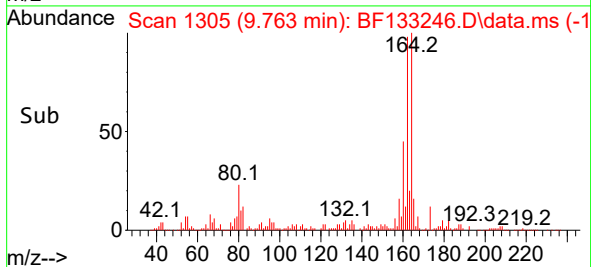
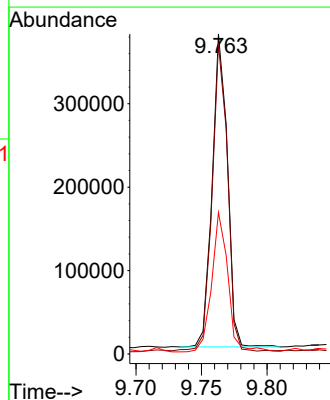
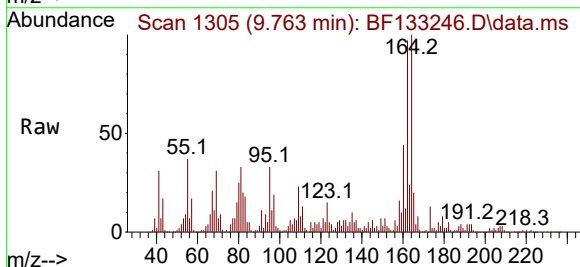
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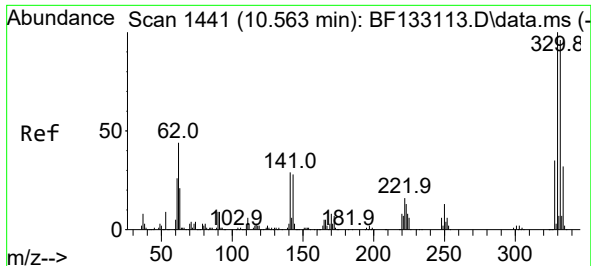
Tgt Ion: 82 Resp: 614775
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:164 Resp: 303521
Ion Ratio Lower Upper
164 100
162 96.8 78.7 118.1
160 44.3 35.8 53.6

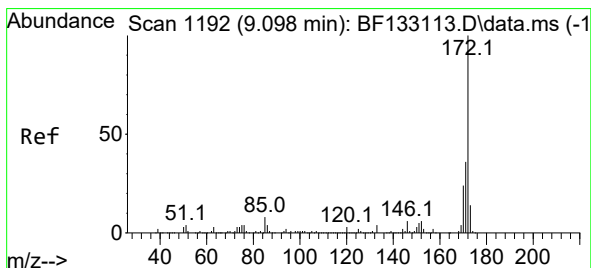
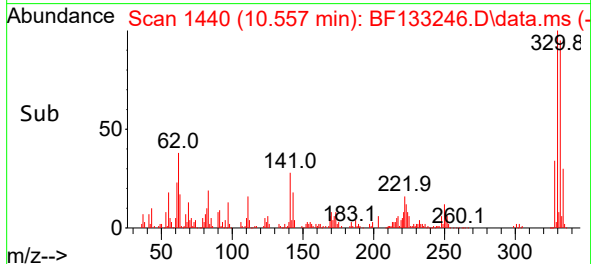
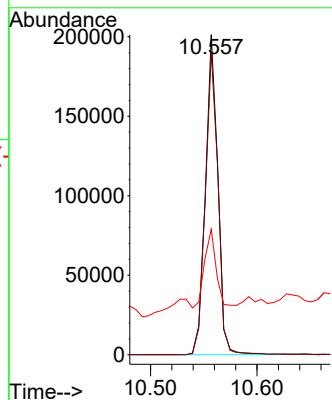
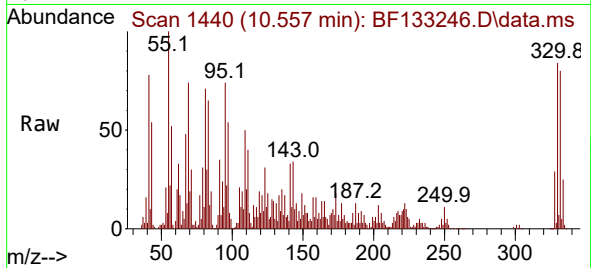




#42
2,4,6-Tribromophenol
Concen: 53.526 ng
RT: 10.557 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

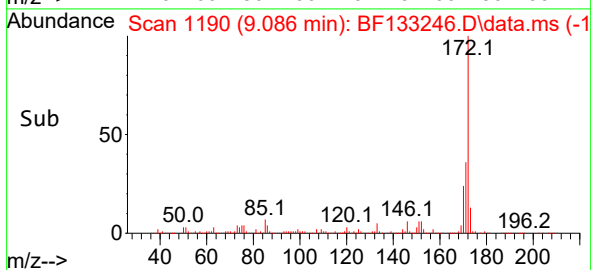
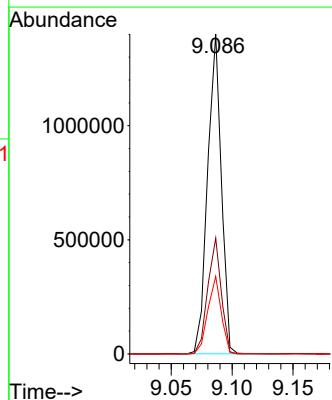
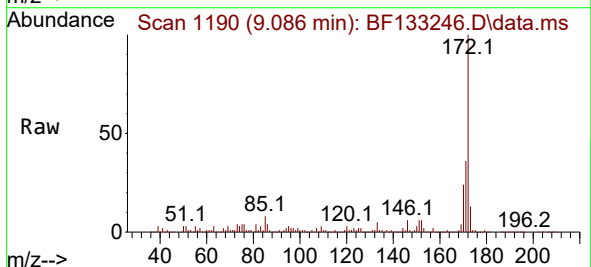
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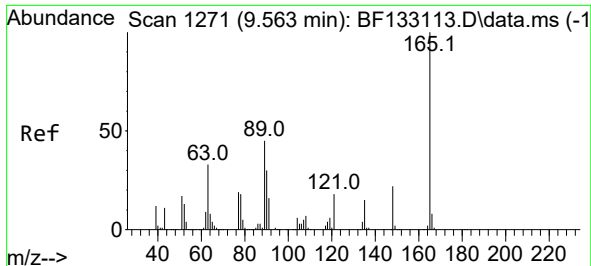
Tgt Ion:330 Resp: 163386
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 25.8 25.8 38.8#



#45
2-Fluorobiphenyl
Concen: 60.684 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:172 Resp: 1100946
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.3 19.4 29.2

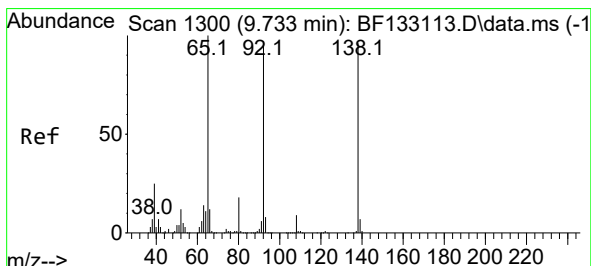
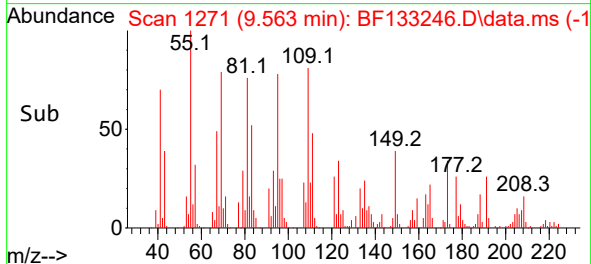
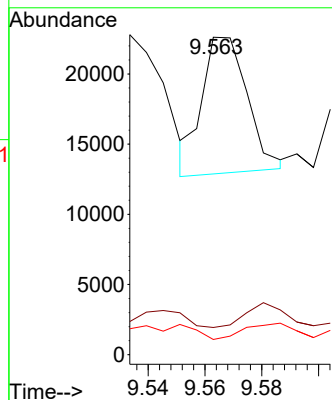
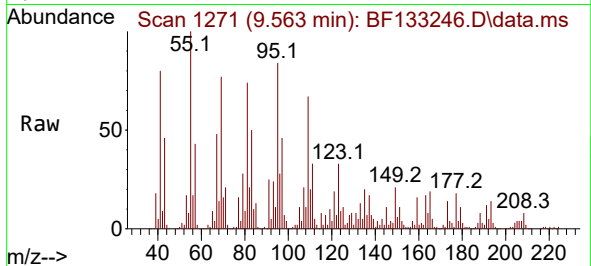




#51
2,6-Dinitrotoluene
Concen: 2.258 ng
RT: 9.563 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

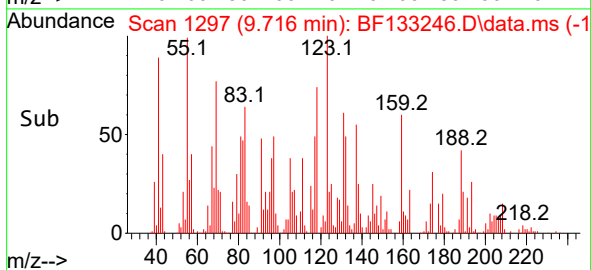
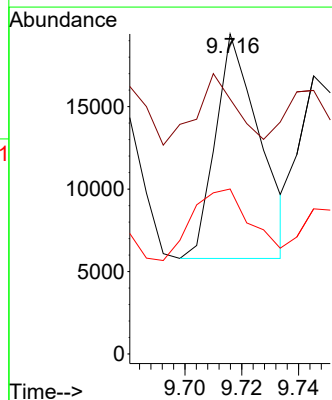
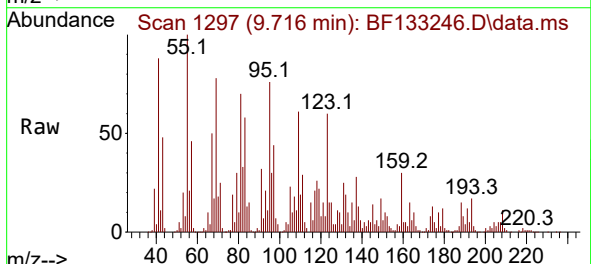
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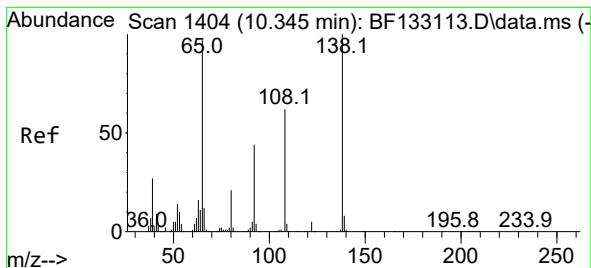
Tgt Ion:165 Resp: 10754
Ion Ratio Lower Upper
165 100
63 8.6 45.9 68.9#
89 4.8 44.0 66.0#



#53
3-Nitroaniline
Concen: 2.592 ng
RT: 9.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:138 Resp: 14681
Ion Ratio Lower Upper
138 100
108 79.6 8.0 12.0#
92 51.5 83.6 125.4#

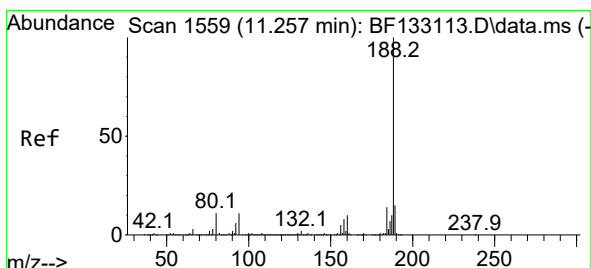
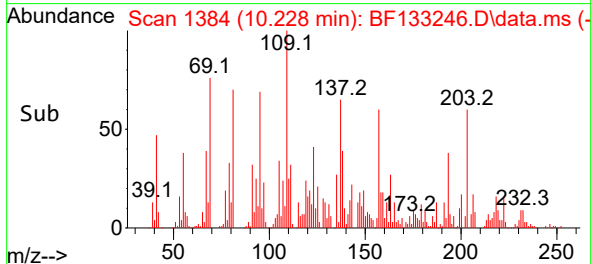
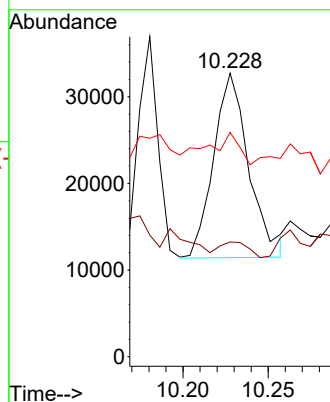
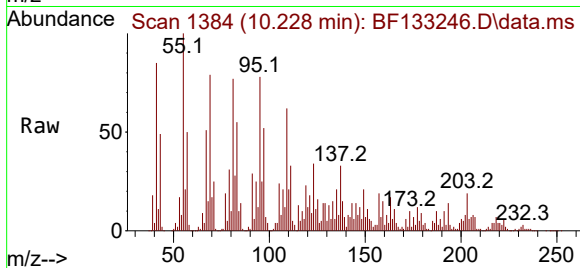




#62
4-Nitroaniline
Concen: 5.875 ng
RT: 10.228 min Scan# 11
Delta R.T. -0.112 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

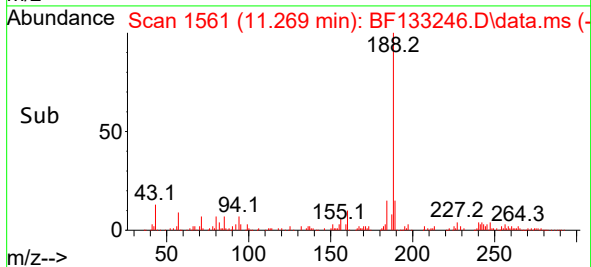
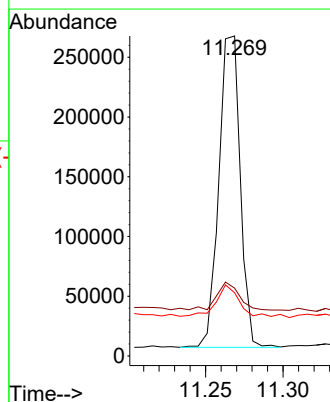
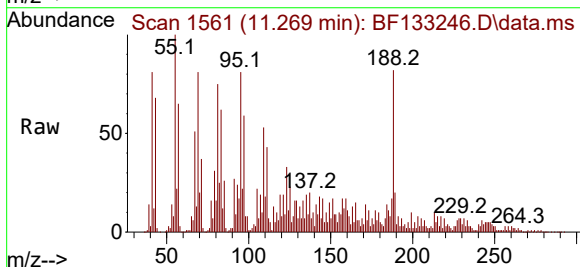
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP

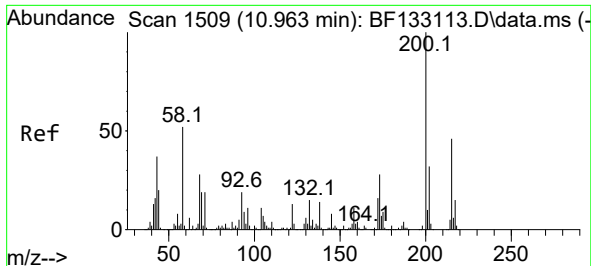
Tgt Ion:138 Resp: 30581
Ion Ratio Lower Upper
138 100
92 40.5 27.7 67.7
108 79.1 45.2 85.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.024 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:188 Resp: 250714
Ion Ratio Lower Upper
188 100
94 21.2 9.7 14.5#
80 19.7 10.4 15.6#

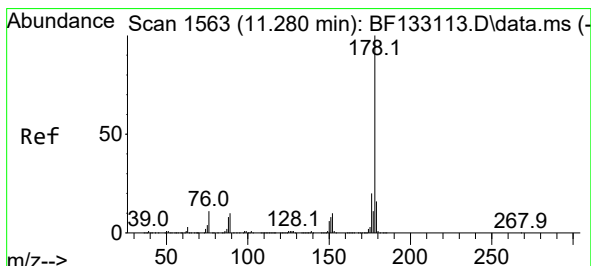
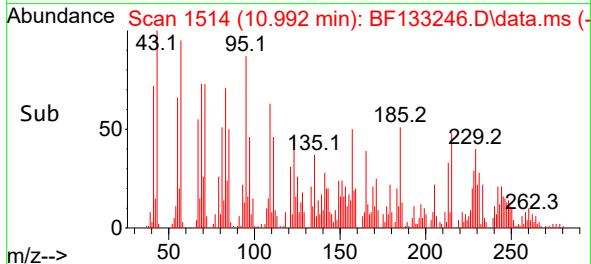
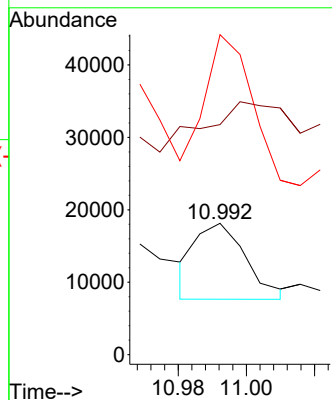
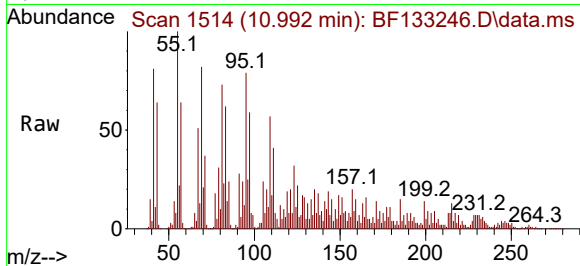




#69
Atrazine
Concen: 4.593 ng
RT: 10.992 min Scan# 1514
Delta R.T. 0.035 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

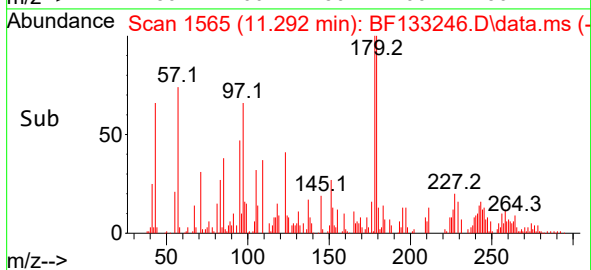
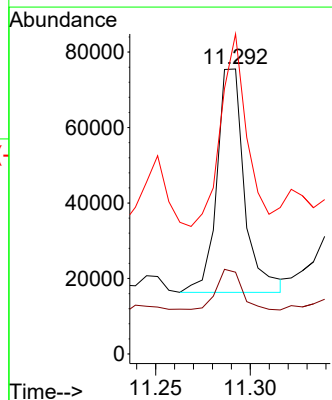
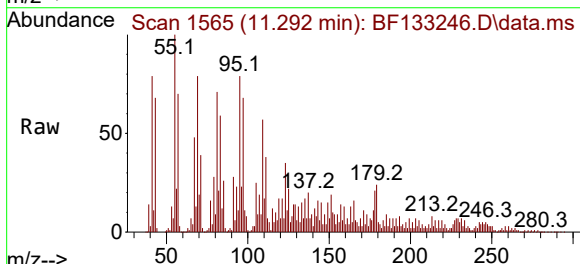
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP

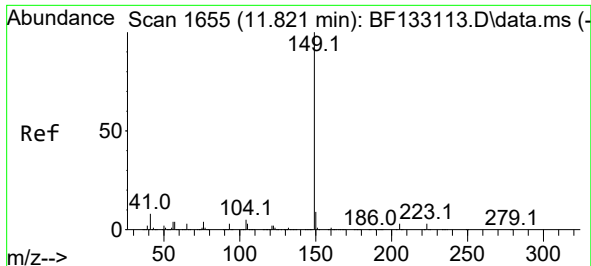
Tgt Ion:200 Resp: 10762
Ion Ratio Lower Upper
200 100
173 175.2 6.2 46.2#
215 243.7 26.3 66.3#



#71
Phenanthrene
Concen: 4.476 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.018 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:178 Resp: 60316
Ion Ratio Lower Upper
178 100
176 28.7 15.9 23.9#
179 112.3 12.5 18.7#

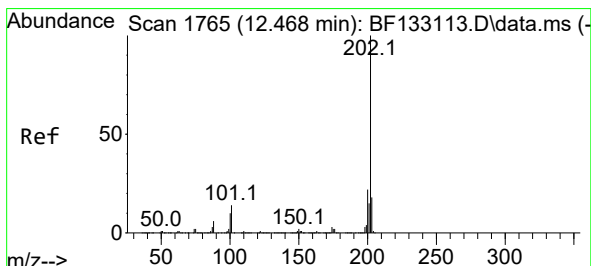
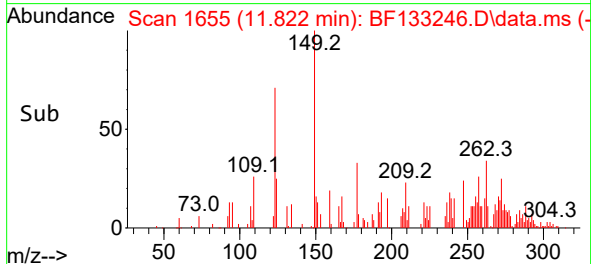
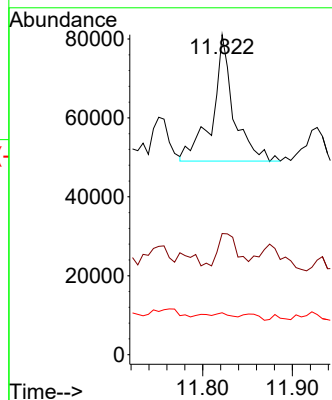
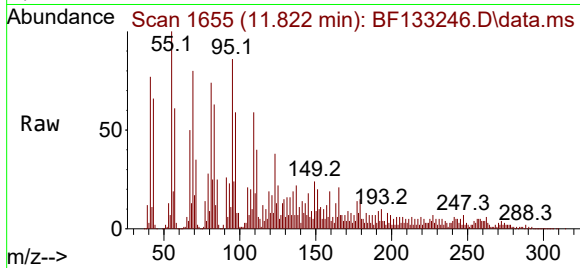




#74
Di-n-butylphthalate
Concen: 3.749 ng
RT: 11.822 min Scan# 1655
Delta R.T. 0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

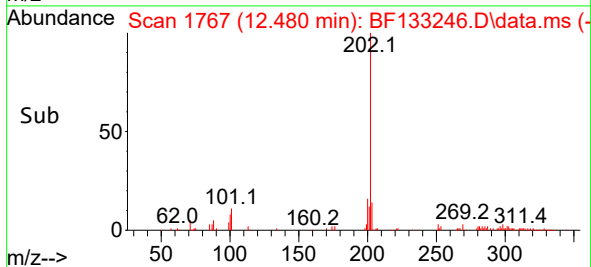
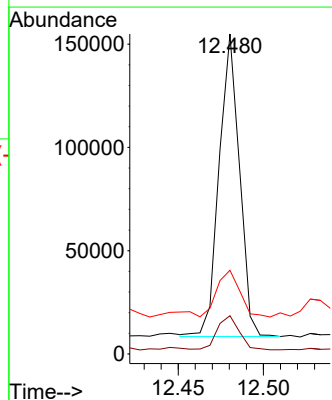
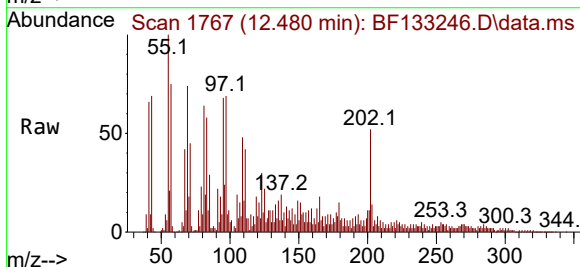
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP

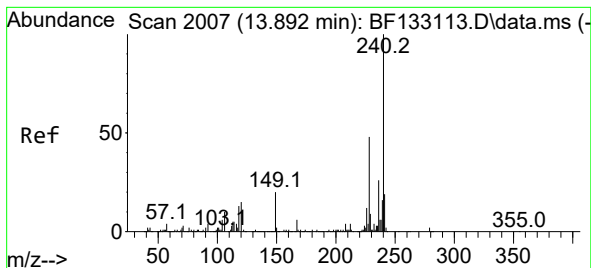
Tgt Ion:149 Resp: 52095
Ion Ratio Lower Upper
149 100
150 37.9 7.6 11.4#
104 13.1 4.0 6.0#



#75
Fluoranthene
Concen: 8.993 ng
RT: 12.480 min Scan# 1767
Delta R.T. 0.024 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:202 Resp: 121622
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.3
203 26.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

BUR-SOILCOMP

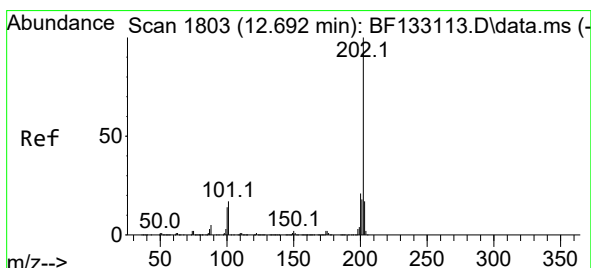
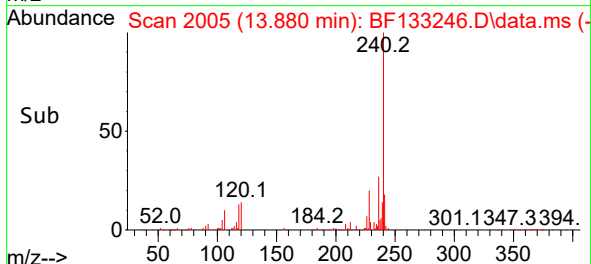
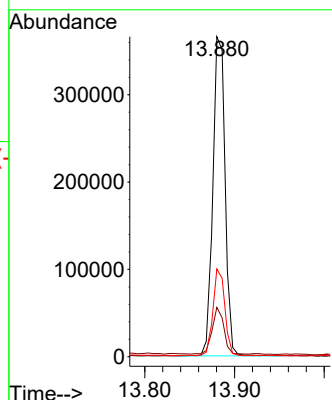
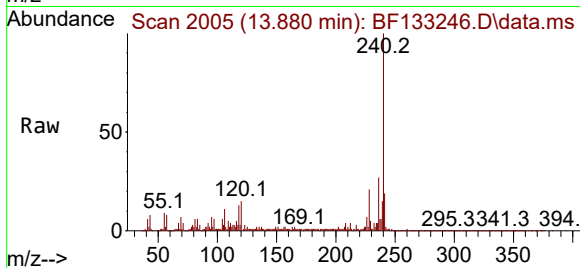
Tgt Ion:240 Resp: 347163

Ion Ratio Lower Upper

240 100

120 15.4 10.5 15.7

236 27.4 21.5 32.3



#78

Pyrene

Concen: 4.160 ng

RT: 12.704 min Scan# 1805

Delta R.T. 0.018 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

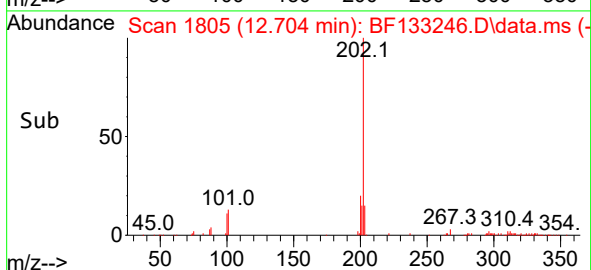
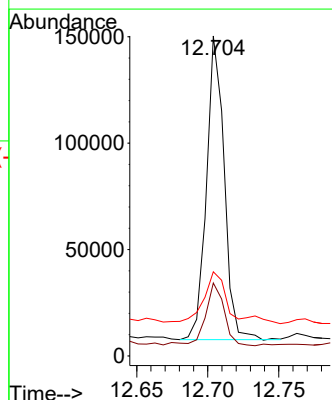
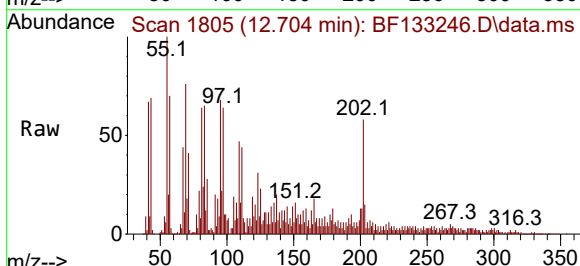
Tgt Ion:202 Resp: 123788

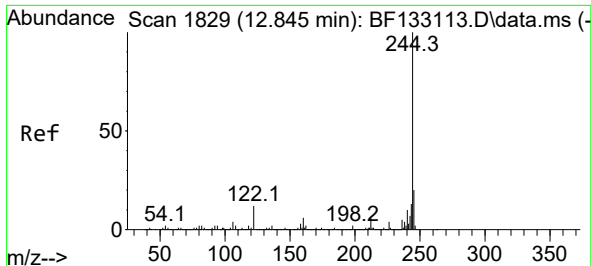
Ion Ratio Lower Upper

202 100

200 22.8 17.1 25.7

203 26.3 14.1 21.1#

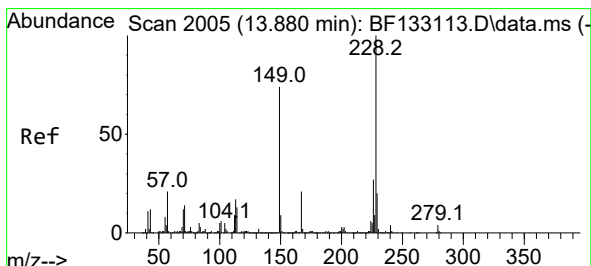
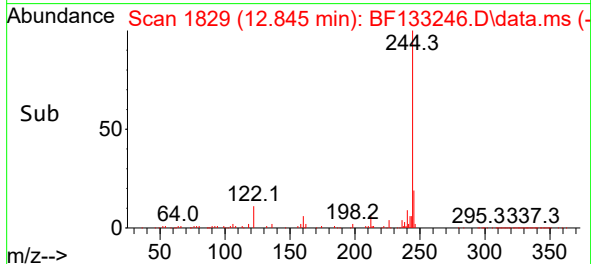
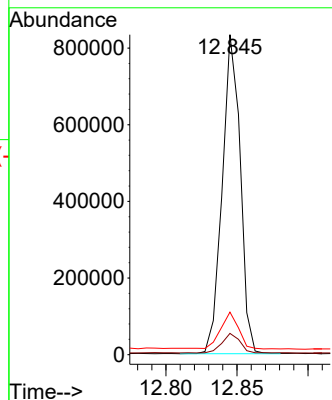
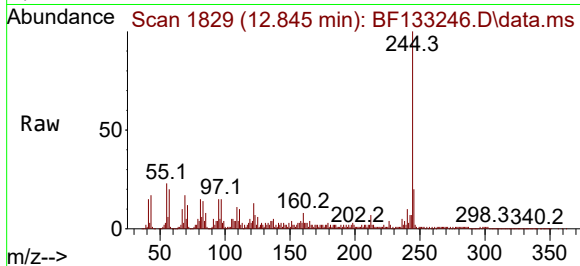




#79
 Terphenyl-d14
 Concen: 36.391 ng
 RT: 12.845 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF133246.D
 Acq: 04 May 2023 23:10

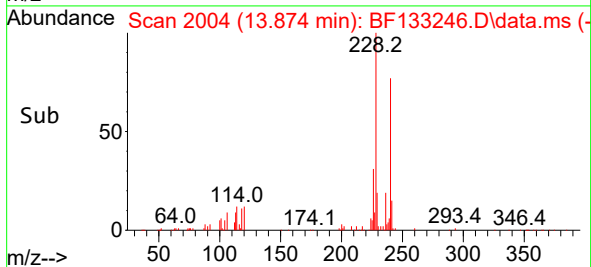
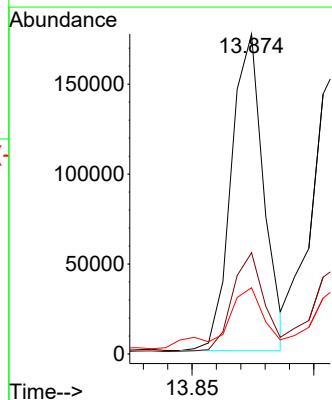
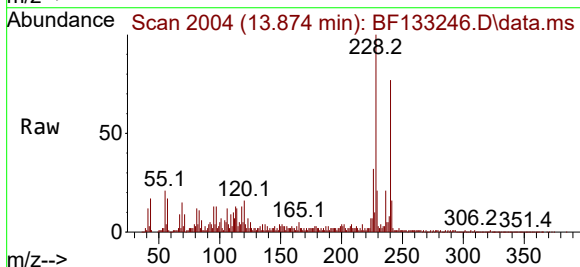
Instrument :
 BNA_F
 ClientSampleId :
 BUR-SOILCOMP

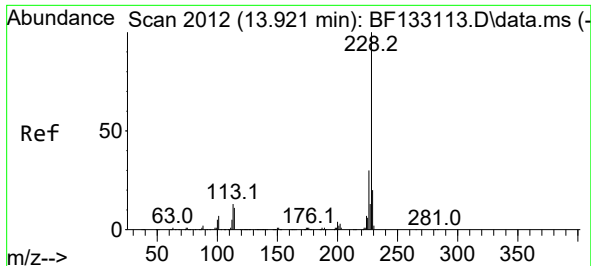
Tgt Ion:244 Resp: 732534
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 13.3 8.6 13.0#



#81
 Benzo(a)anthracene
 Concen: 6.822 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. 0.000 min
 Lab File: BF133246.D
 Acq: 04 May 2023 23:10

Tgt Ion:228 Resp: 162865
 Ion Ratio Lower Upper
 228 100
 226 31.7 22.2 33.4
 229 20.7 16.0 24.0

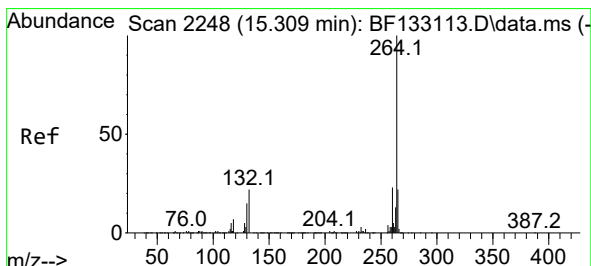
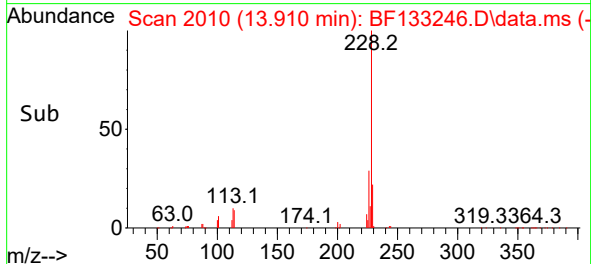
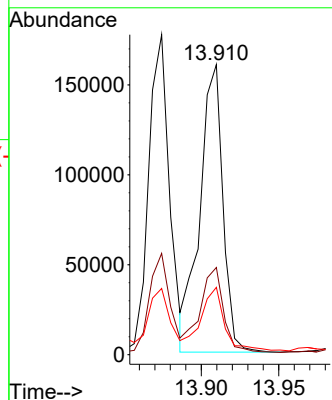
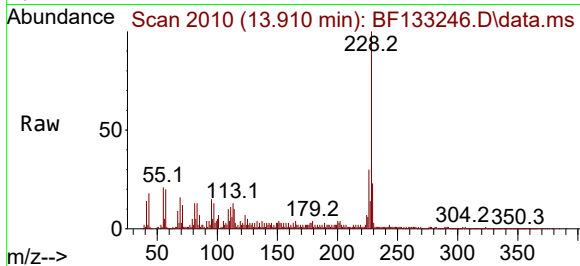




#83
Chrysene
Concen: 6.935 ng
RT: 13.910 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

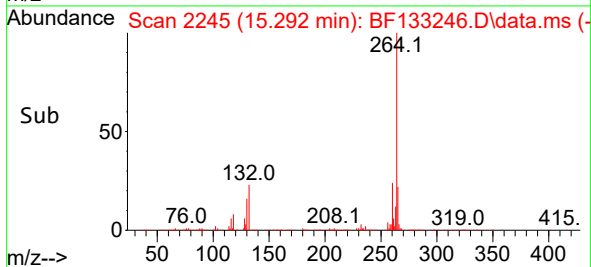
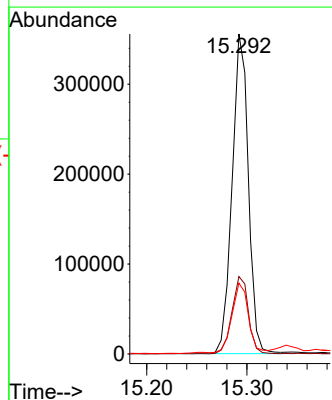
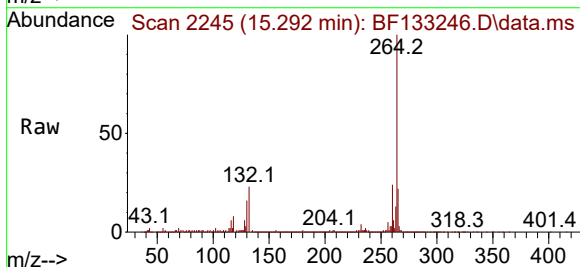
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP

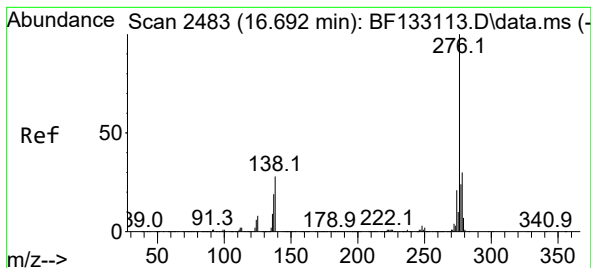
Tgt Ion:228 Resp: 165512
Ion Ratio Lower Upper
228 100
226 30.1 24.7 37.1
229 23.2 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:264 Resp: 401204
Ion Ratio Lower Upper
264 100
260 24.2 18.8 28.2
265 22.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.128 ng

RT: 16.657 min Scan# 2483

Delta R.T. -0.018 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

BUR-SOILCOMP

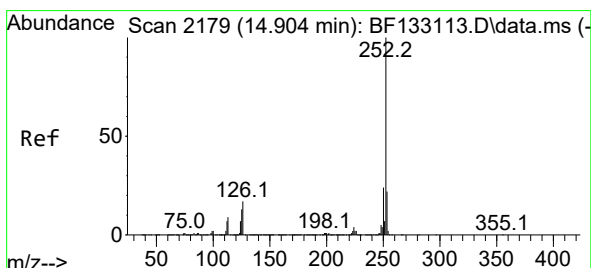
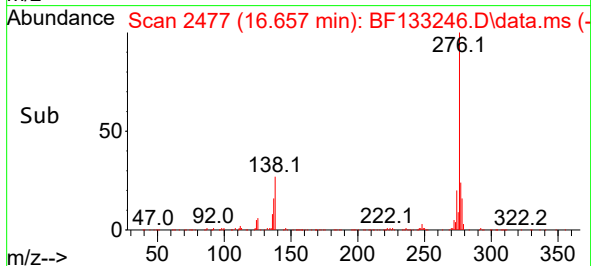
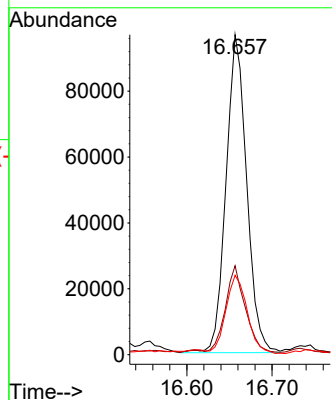
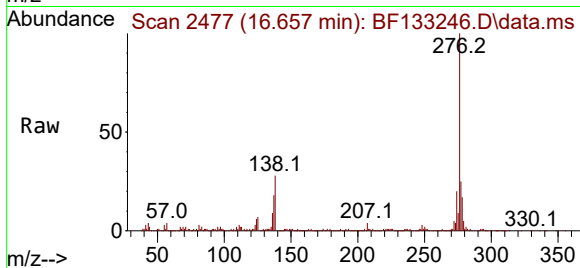
Tgt Ion:276 Resp: 162661

Ion Ratio Lower Upper

276 100

138 26.4 25.5 38.3

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 17.988 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

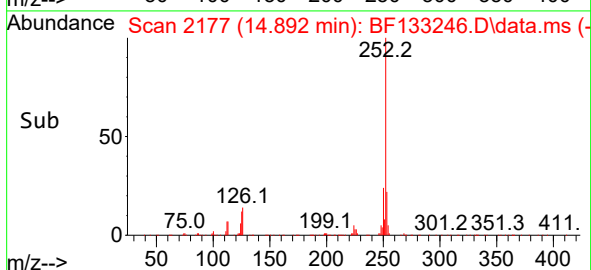
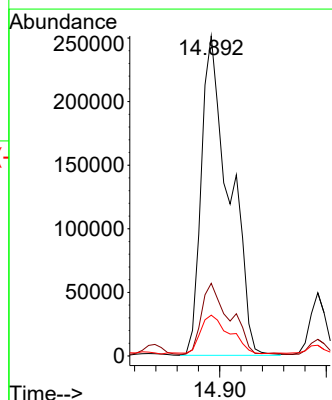
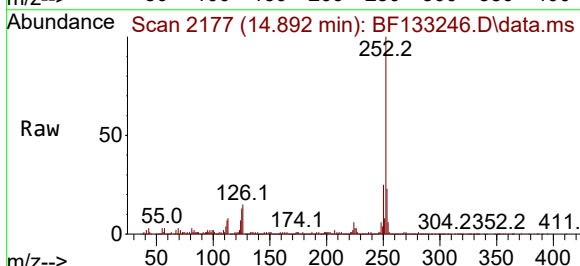
Tgt Ion:252 Resp: 459117

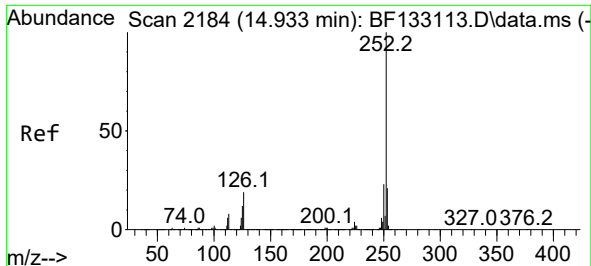
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 12.7 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 18.146 ng

RT: 14.892 min Scan# 2184

Delta R.T. -0.035 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

BUR-SOILCOMP

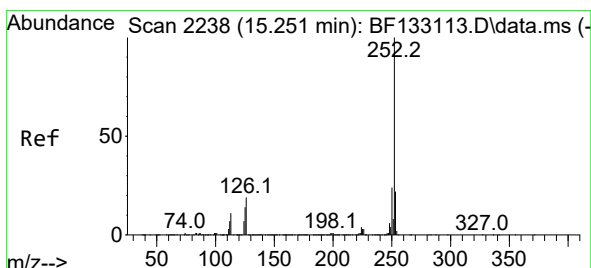
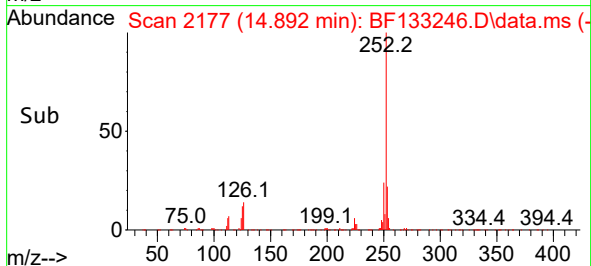
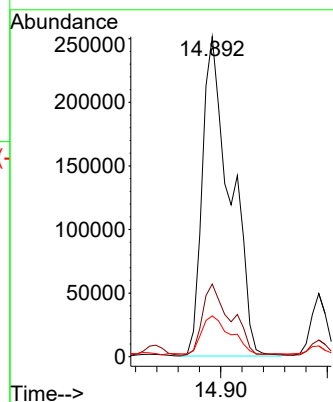
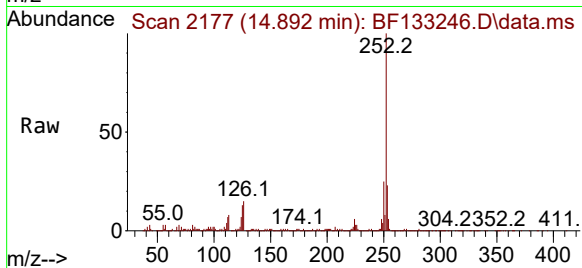
Tgt Ion:252 Resp: 459117

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 12.7 9.0 13.4



#90

Benzo(a)pyrene

Concen: 9.613 ng

RT: 15.233 min Scan# 2235

Delta R.T. -0.006 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

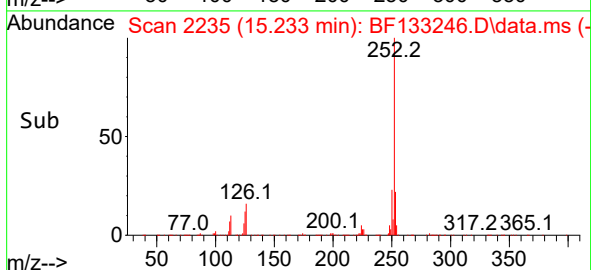
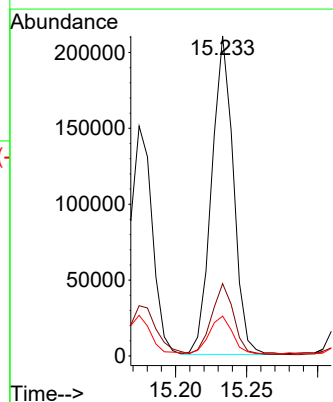
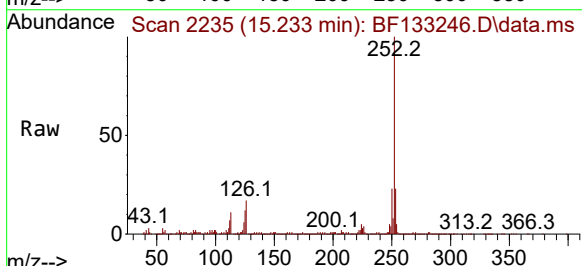
Tgt Ion:252 Resp: 223343

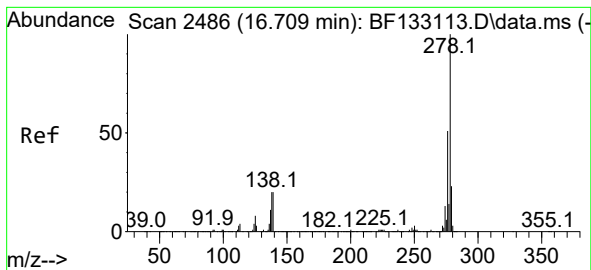
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 12.5 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 2.317 ng

RT: 16.668 min Scan# 2479

Delta R.T. -0.023 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

BUR-SOILCOMP

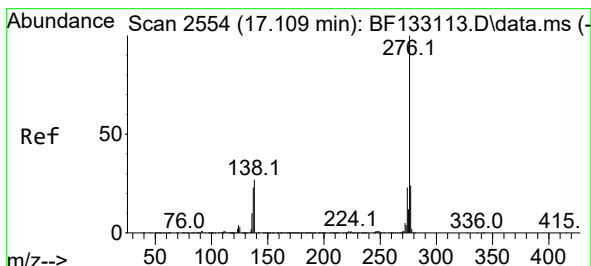
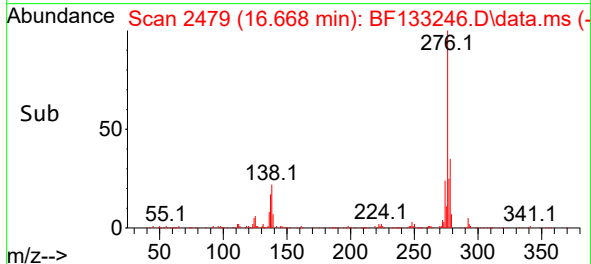
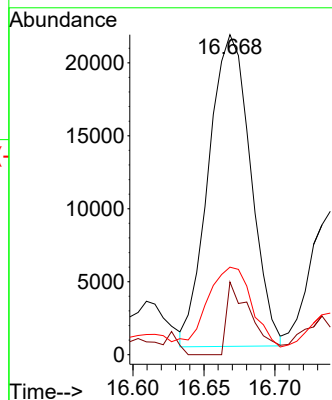
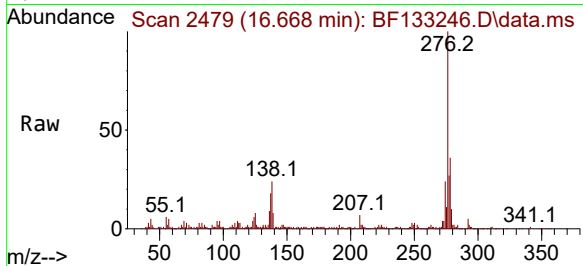
Tgt Ion:278 Resp: 44110

Ion Ratio Lower Upper

278 100

139 22.7 16.6 24.8

279 27.3 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 6.966 ng

RT: 17.068 min Scan# 2547

Delta R.T. -0.023 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

Tgt Ion:276 Resp: 130894

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.0

138 25.2 22.7 34.1

