

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
 Data File : BF130345.D
 Acq On : 20 Sep 2022 15:33
 Operator : CG\JU
 Sample : N4700-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-SOIL

Quant Time: Sep 21 05:14:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	85613	20.000	ng	0.00
21) Naphthalene-d8	7.939	136	312128	20.000	ng	# 0.00
39) Acenaphthene-d10	9.686	164	143779	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	204630	20.000	ng	0.00
76) Chrysene-d12	13.798	240	163832	20.000	ng	0.00
86) Perylene-d12	15.186	264	190304	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	594934	120.530	ng	0.00
7) Phenol-d6	6.304	99	714101	115.624	ng	0.00
23) Nitrobenzene-d5	7.222	82	467155	76.463	ng	-0.01
42) 2,4,6-Tribromophenol	10.475	330	166857	121.115	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	792252	80.239	ng	0.00
79) Terphenyl-d14	12.757	244	634567	64.161	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.222	70	62310	14.951	ng	# 74
25) Isophorone	7.222	82	465097	47.232	ng	# 66
50) Dimethylphthalate	9.686	163	27343	2.753	ng	# 1
51) 2,6-Dinitrotoluene	9.686	165	18313	8.817	ng	# 17
57) 2,4-Dinitrotoluene	9.686	165	18313	6.899	ng	# 17
67) 4-Bromophenyl-phenylether	10.475	248	10558	4.677	ng	# 1
71) Phenanthrene	11.192	178	98075	8.537	ng	99
75) Fluoranthene	12.374	202	185322	16.693	ng	99
77) Benzidine	12.757	184	9557	2.010	ng	# 93
78) Pyrene	12.604	202	202497	14.129	ng	98
81) Benzo(a)anthracene	13.786	228	122609	11.250	ng	94
83) Chrysene	13.821	228	123084	11.894	ng	99
84) Bis(2-ethylhexyl)phtha...	13.792	149	19882	3.269	ng	97
87) Indeno(1,2,3-cd)pyrene	16.504	276	89245	6.613	ng	94
88) Benzo(b)fluoranthene	14.798	252	230745	18.577	ng	99
89) Benzo(k)fluoranthene	14.798	252	230745	18.885	ng	99
90) Benzo(a)pyrene	15.127	252	123908	12.592	ng	98
92) Benzo(g,h,i)perylene	16.904	276	90774	8.140	ng	96

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

BNA F

BNA F

ClientSampleId :

ROLLOFF-SOIL

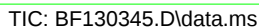
Quant Time: Sep 21 05:14:08 2022

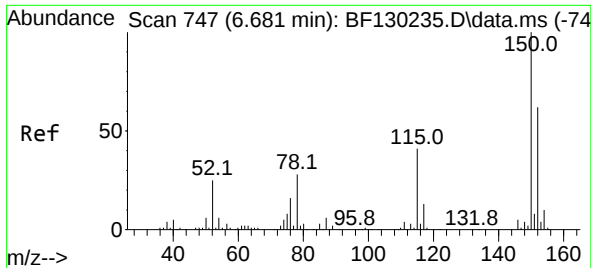
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Sep 19 15:06:14 2022

Response via : Initial Calibration

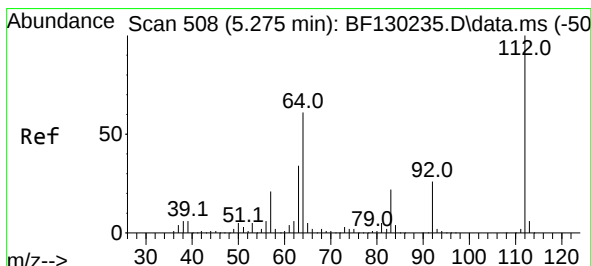
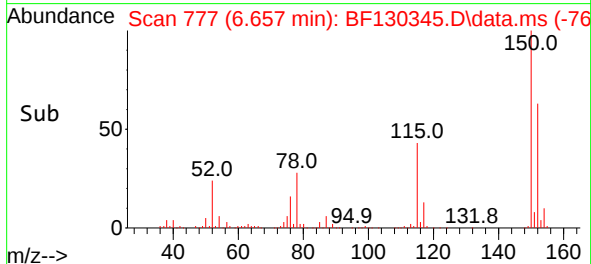
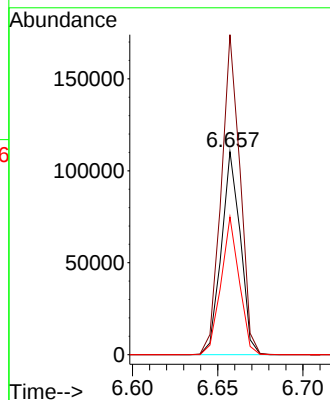
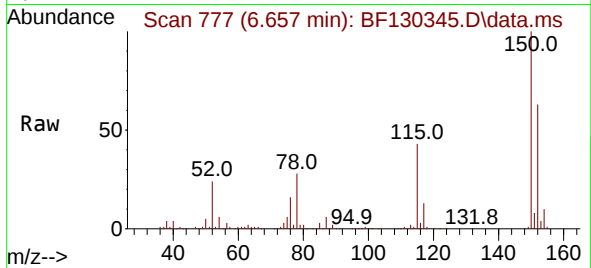




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

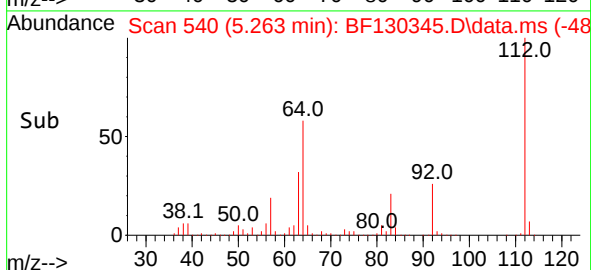
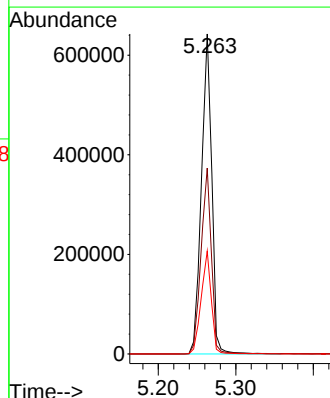
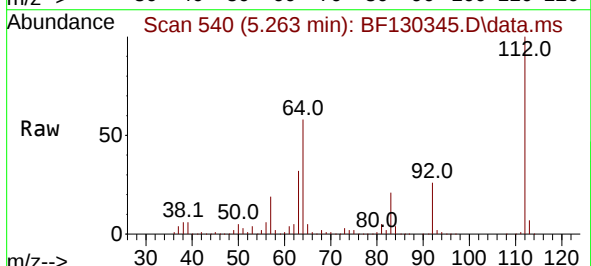
Instrument :
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ROLLOFF-SOIL

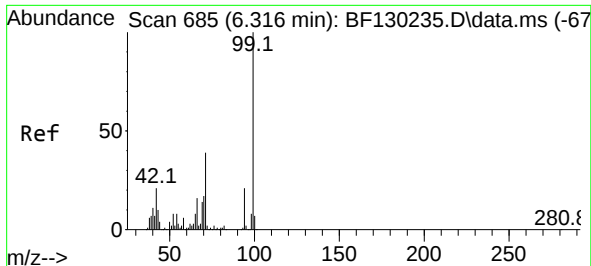
Tgt Ion:152 Resp: 85613
Ion Ratio Lower Upper
152 100
150 157.6 122.8 184.2
115 67.9 53.8 80.8



#5
2-Fluorophenol
Concen: 120.530 ng
RT: 5.263 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Tgt Ion:112 Resp: 594934
Ion Ratio Lower Upper
112 100
64 58.1 51.4 77.0
63 32.1 28.8 43.2

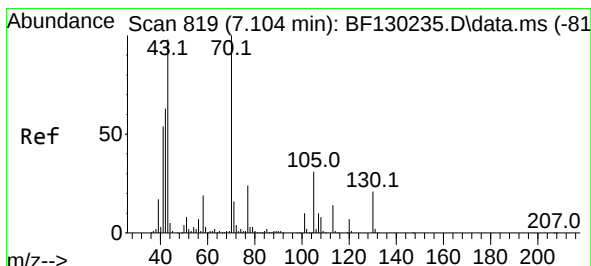
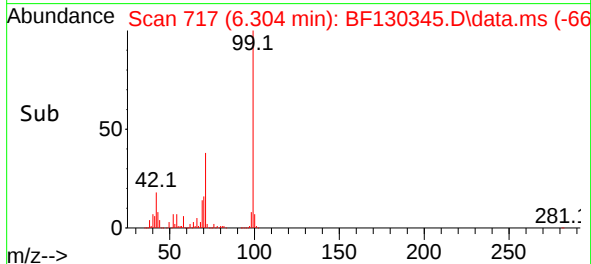
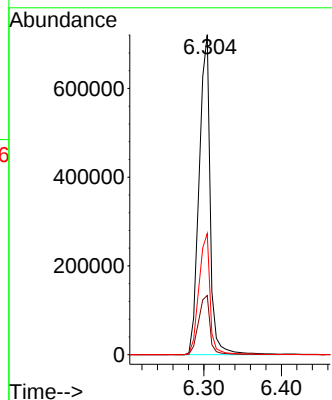
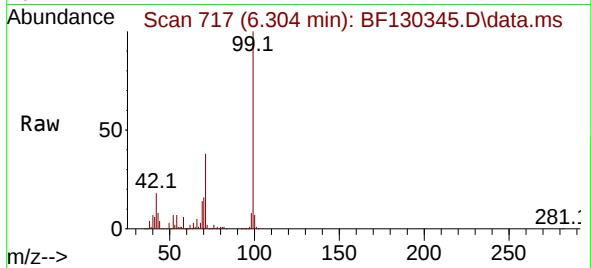




#7
Phenol-d6
Concen: 115.624 ng
RT: 6.304 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

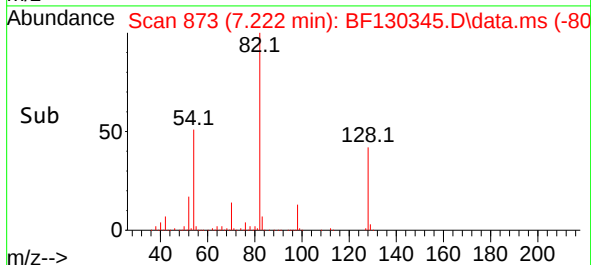
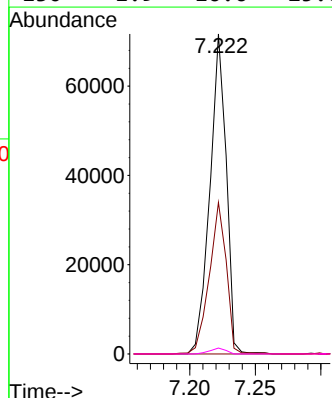
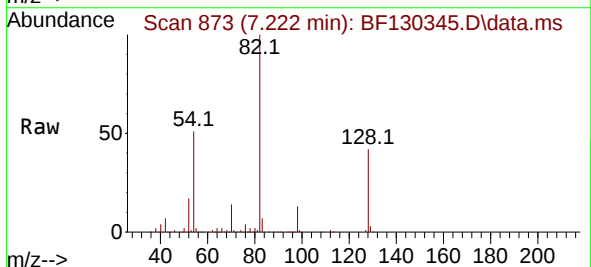
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BNA_F
ClientSampleId :
ROLLOFF-SOIL

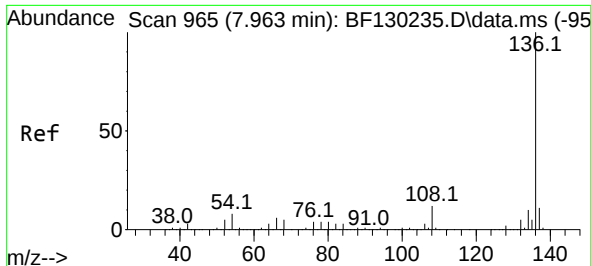
Tgt Ion: 99 Resp: 714101
Ion Ratio Lower Upper
99 100
42 18.5 17.0 25.6
71 37.8 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 14.951 ng
RT: 7.222 min Scan# 873
Delta R.T. 0.129 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Tgt Ion: 70 Resp: 62310
Ion Ratio Lower Upper
70 100
42 47.3 50.8 76.2#
101 0.0 8.2 12.4#
130 1.9 16.6 25.0#

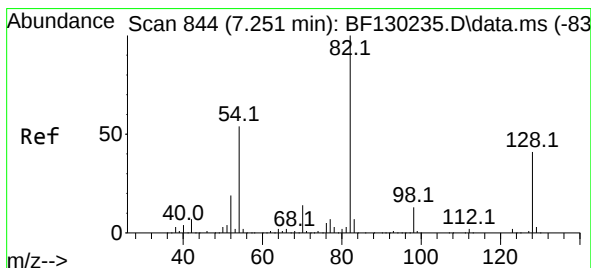
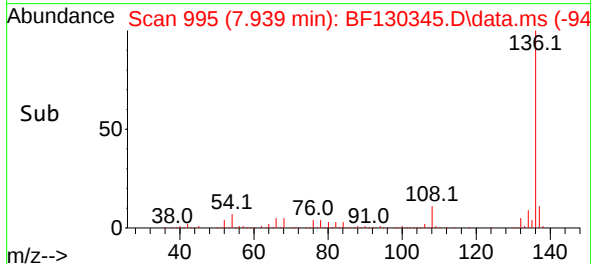
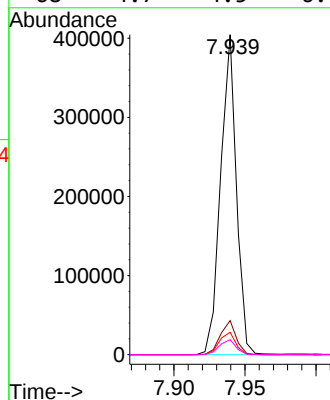
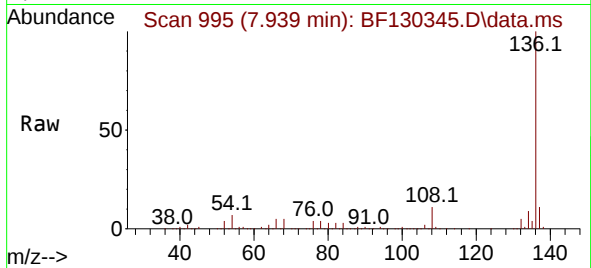




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.939 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

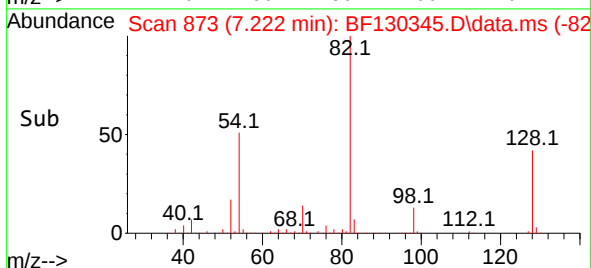
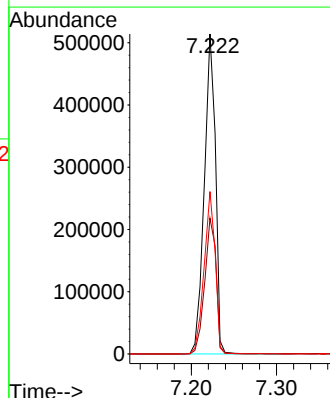
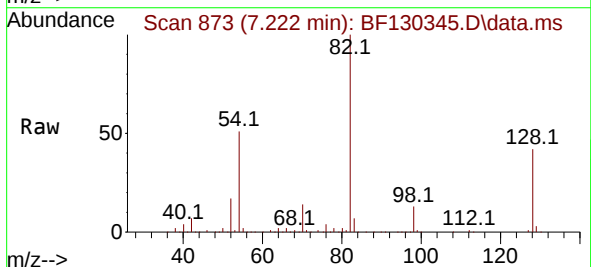
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOIL

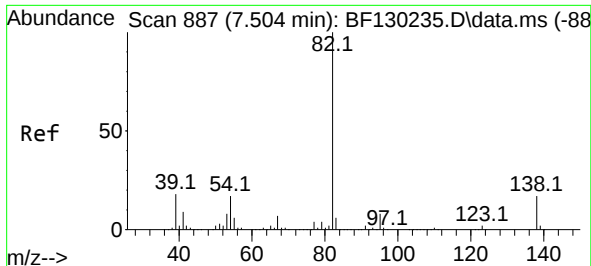
Tgt Ion:136 Resp: 312128
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.0 7.1 10.7#
68 4.7 4.5 6.7



#23
Nitrobenzene-d5
Concen: 76.463 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Tgt Ion: 82 Resp: 467155
Ion Ratio Lower Upper
82 100
128 42.5 32.6 49.0
54 50.8 43.8 65.6

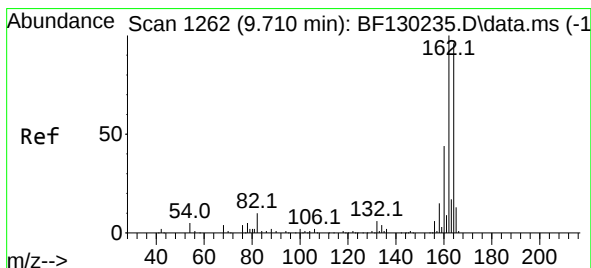
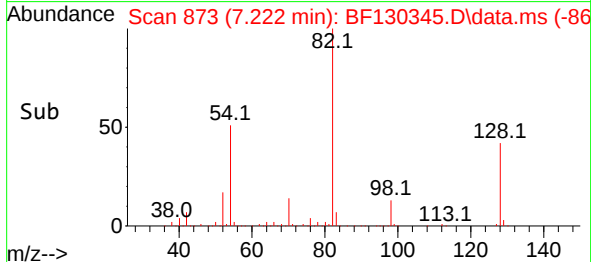
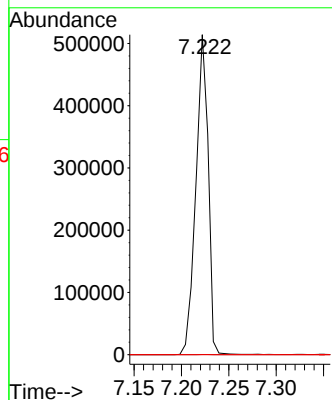
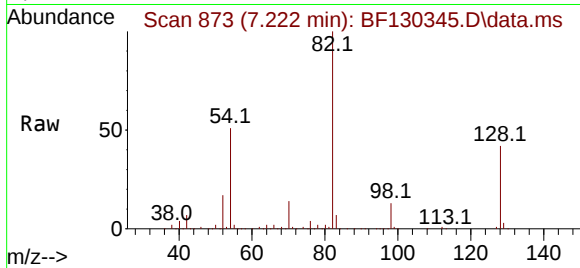




#25
Isophorone
Concen: 47.232 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

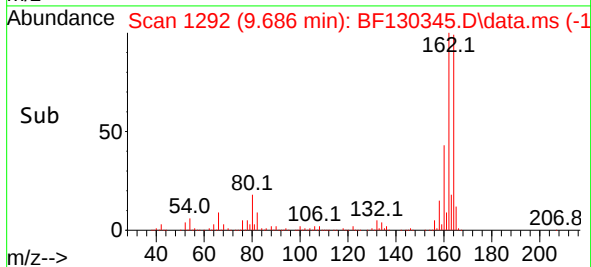
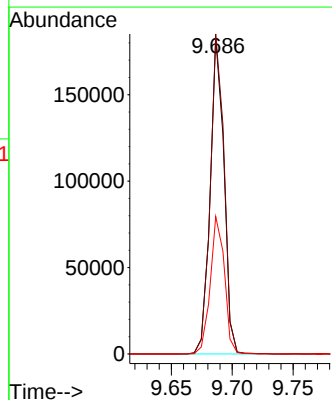
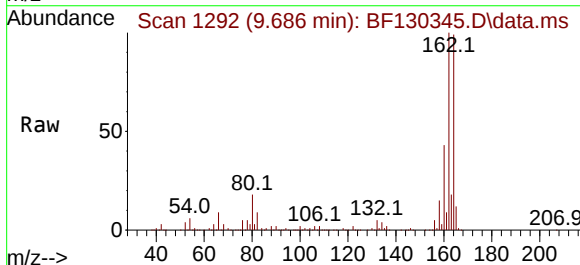
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ClientSampleId :
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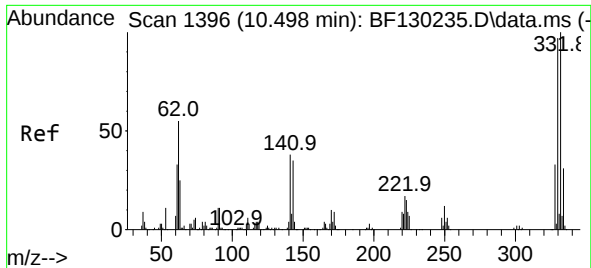
Tgt Ion: 82 Resp: 465097
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

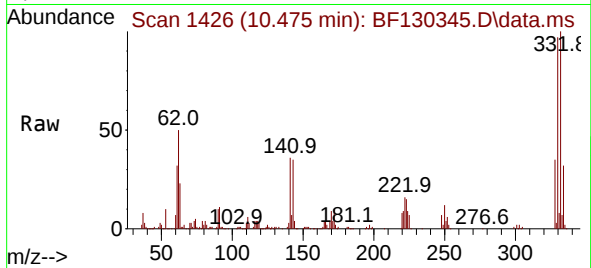
Tgt Ion: 164 Resp: 143779
Ion Ratio Lower Upper
164 100
162 101.2 81.4 122.0
160 43.5 36.2 54.4



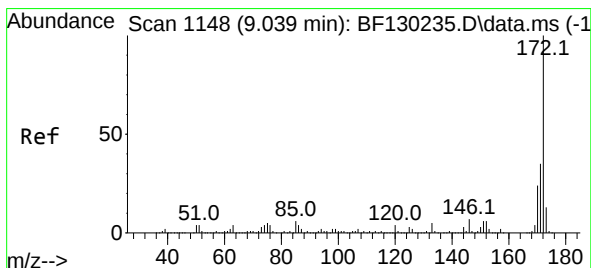
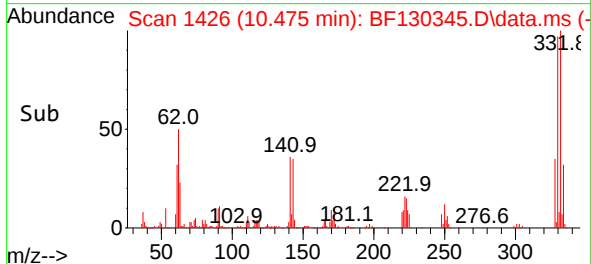
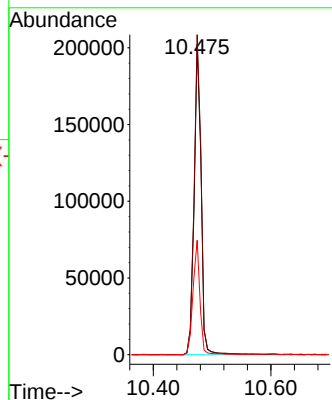


#42
2,4,6-Tribromophenol
Concen: 121.115 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOIL

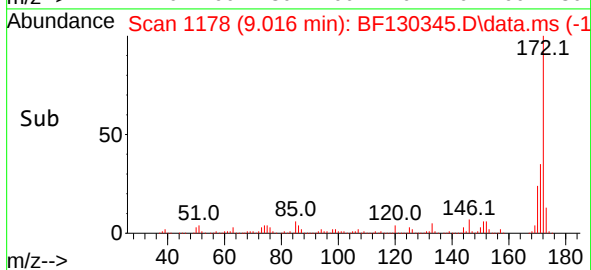
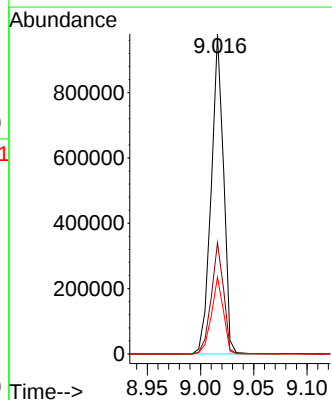
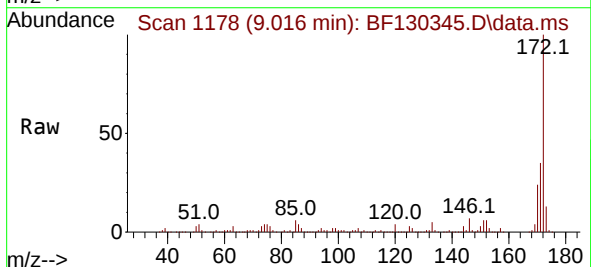


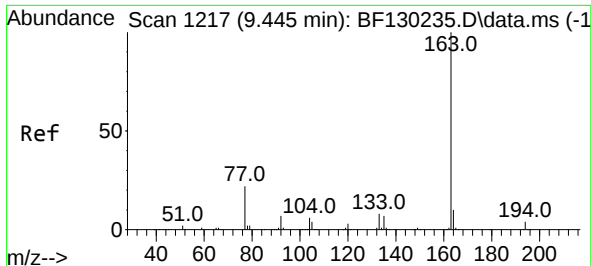
Tgt Ion:330 Resp: 166857
Ion Ratio Lower Upper
330 100
332 103.7 83.4 125.2
141 36.8 34.0 51.0



#45
2-Fluorobiphenyl
Concen: 80.239 ng
RT: 9.016 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Tgt Ion:172 Resp: 792252
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 24.0 18.7 28.1

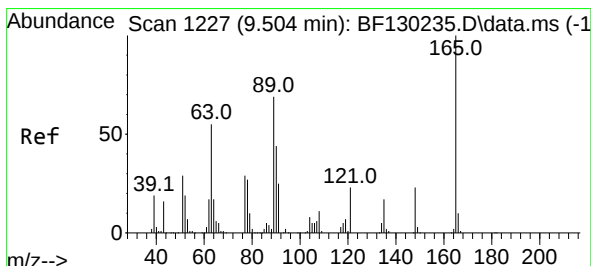
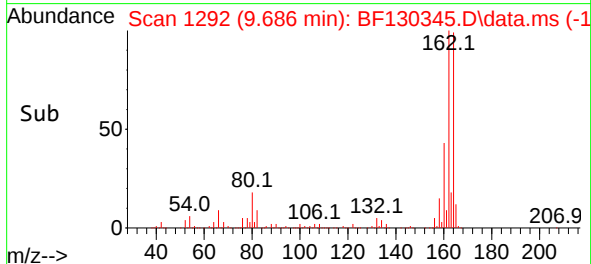
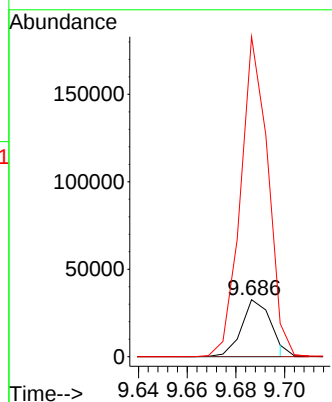
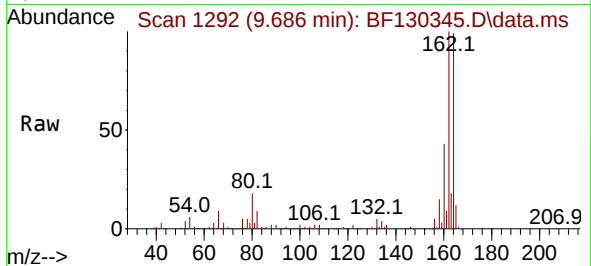




#50
Dimethylphthalate
Concen: 2.753 ng
RT: 9.686 min Scan# 1217
Delta R.T. 0.259 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

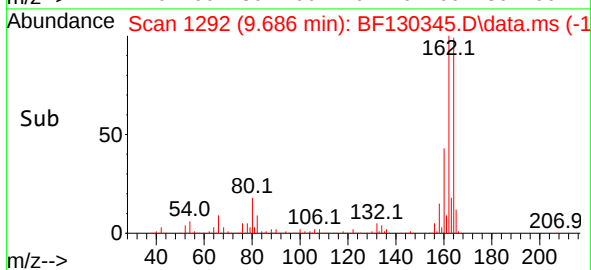
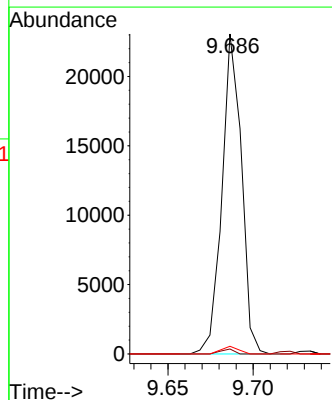
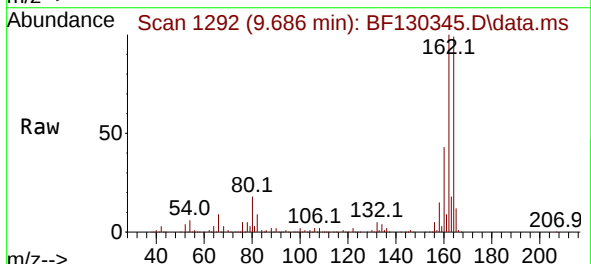
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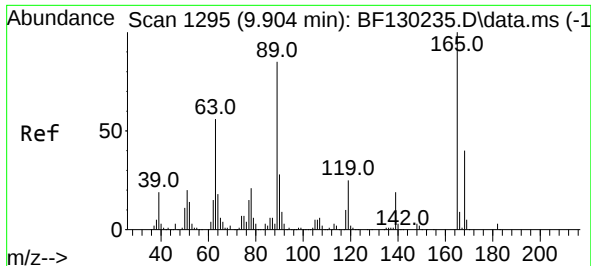
Tgt Ion:163 Resp: 27343
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 561.7 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.817 ng
RT: 9.686 min Scan# 1292
Delta R.T. 0.200 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

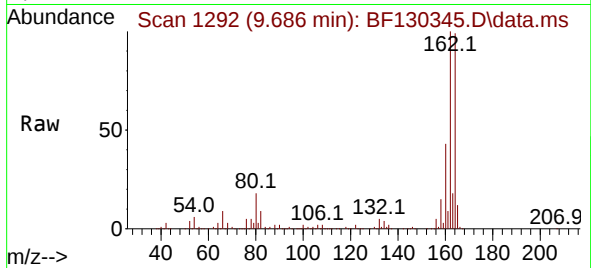
Tgt Ion:165 Resp: 18313
Ion Ratio Lower Upper
165 100
63 1.6 58.8 88.2#
89 2.4 54.5 81.7#



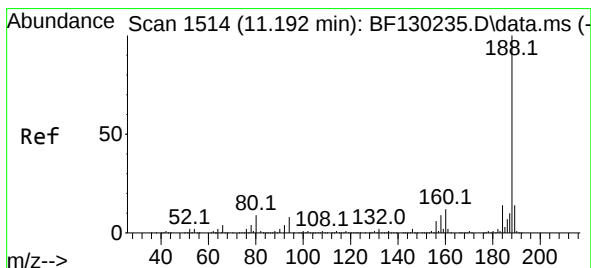
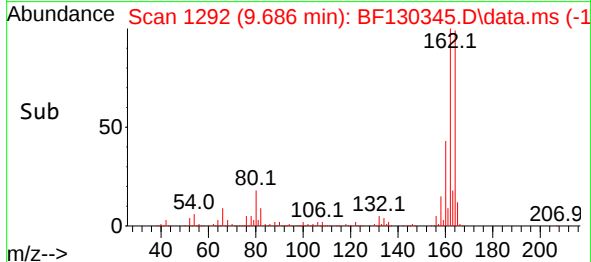
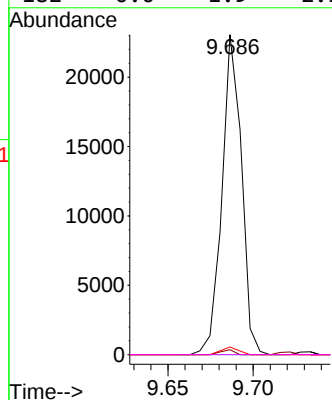


#57
2,4-Dinitrotoluene
Concen: 6.899 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOIL

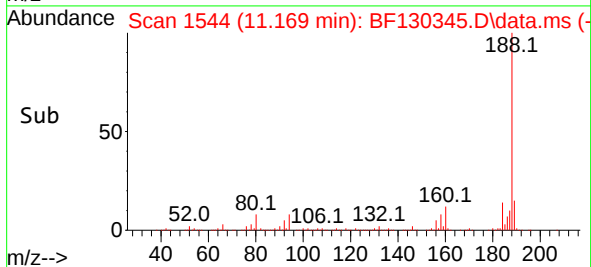
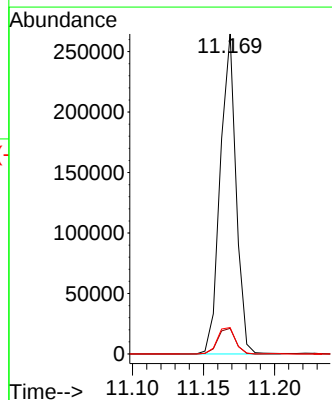
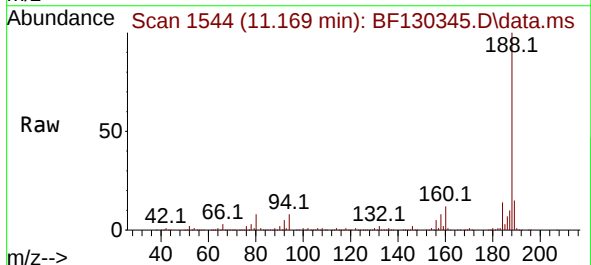


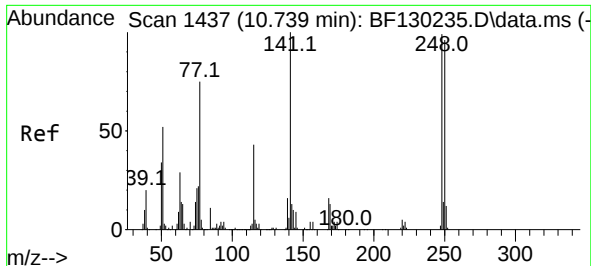
Tgt Ion:165 Resp: 18313
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 2.4 69.0 103.4#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Tgt Ion:188 Resp: 204630
Ion Ratio Lower Upper
188 100
94 8.0 7.4 11.2
80 8.3 7.9 11.9

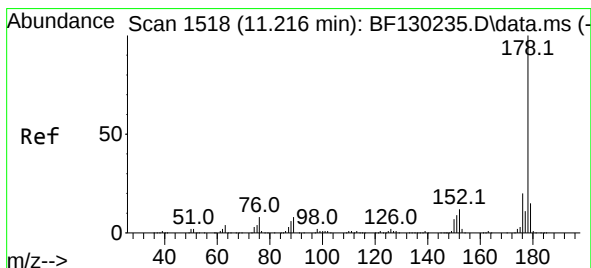
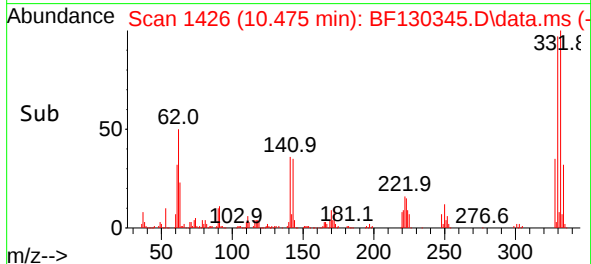
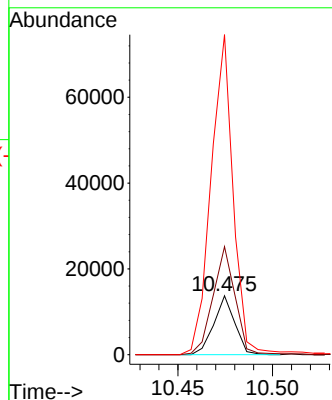
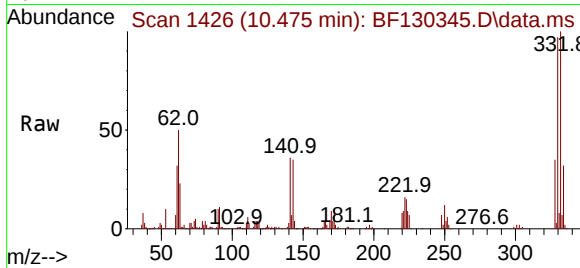




#67
4-Bromophenyl-phenylether
Concen: 4.677 ng
RT: 10.475 min Scan# 1437
Delta R.T. -0.247 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

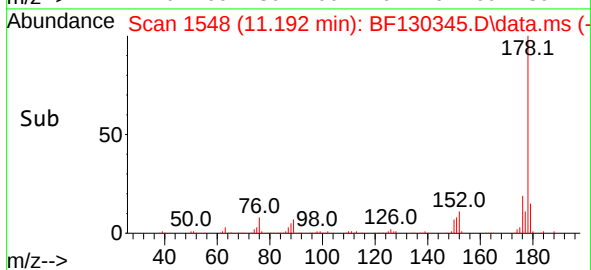
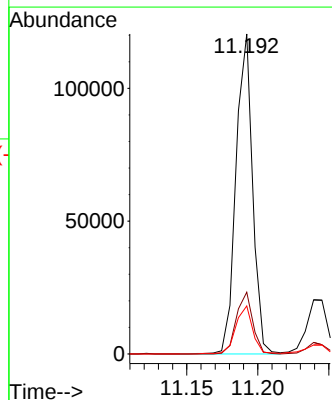
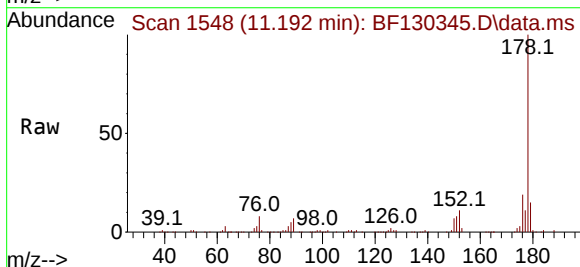
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOIL

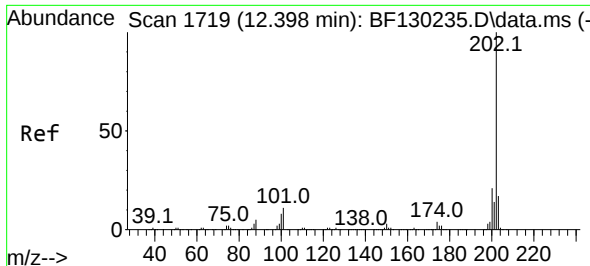
Tgt Ion:248 Resp: 10558
Ion Ratio Lower Upper
248 100
250 183.2 80.0 120.0#
141 543.0 68.5 102.7#



#71
Phenanthrene
Concen: 8.537 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Tgt Ion:178 Resp: 98075
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.0 12.4 18.6

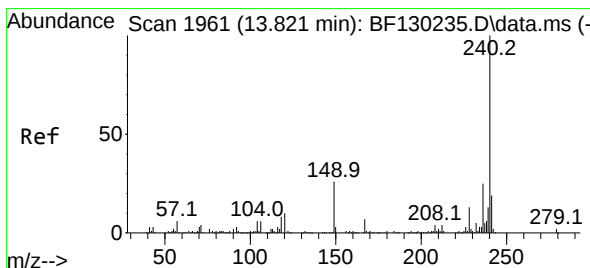
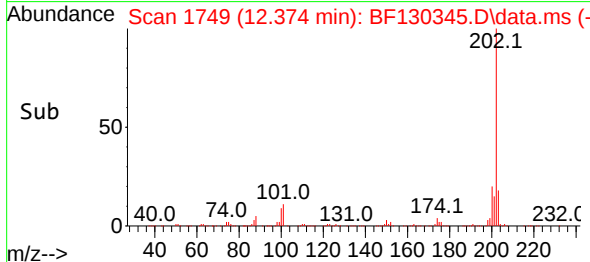
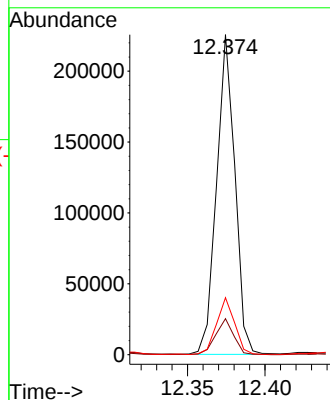
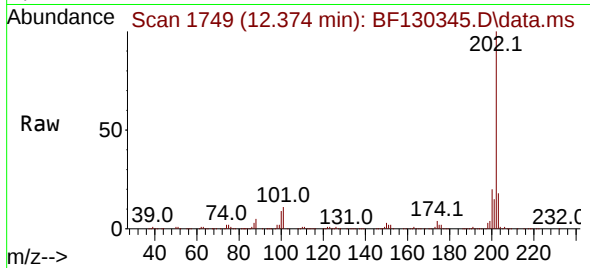




#75
Fluoranthene
Concen: 16.693 ng
RT: 12.374 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

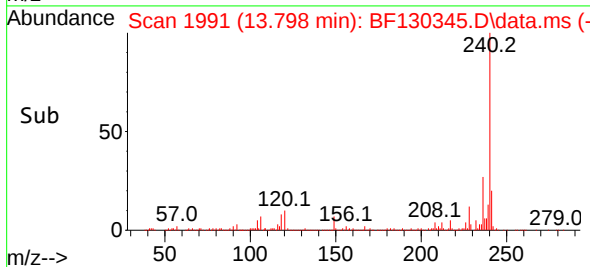
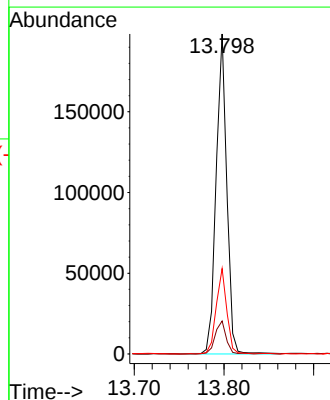
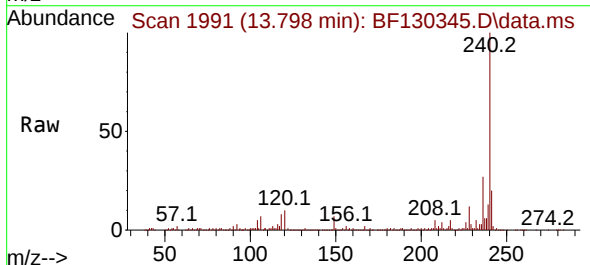
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOIL

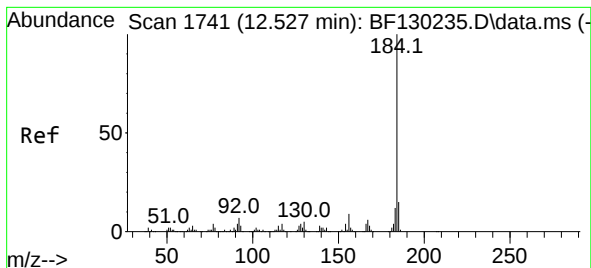
Tgt Ion:202 Resp: 185322
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.8
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.798 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Tgt Ion:240 Resp: 163832
Ion Ratio Lower Upper
240 100
120 10.3 8.7 13.1
236 26.7 20.9 31.3





#77

Benzidine

Concen: 2.010 ng

RT: 12.757 min Scan# 1814

Delta R.T. 0.247 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOIL

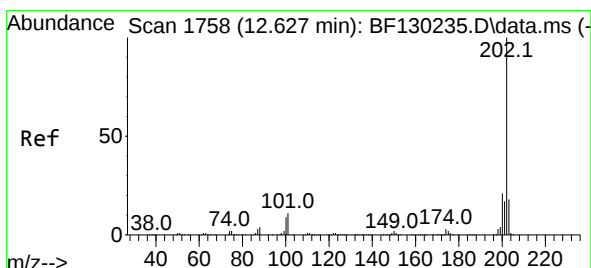
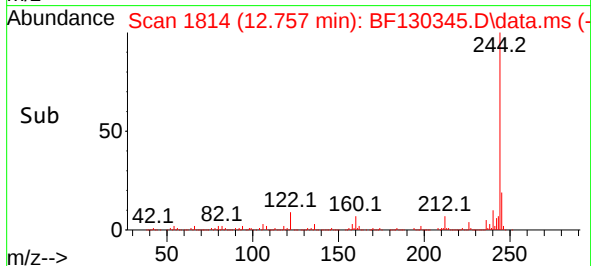
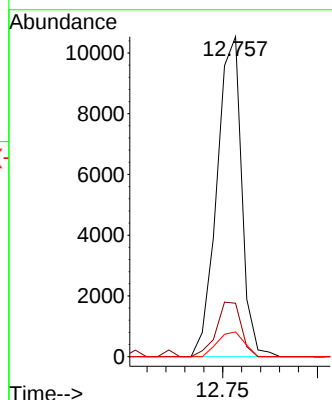
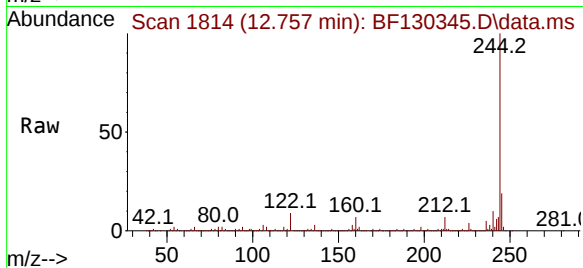
Tgt Ion:184 Resp: 9557

Ion Ratio Lower Upper

184 100

185 16.7 11.8 17.6

183 7.7 9.1 13.7#



#78

Pyrene

Concen: 14.129 ng

RT: 12.604 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

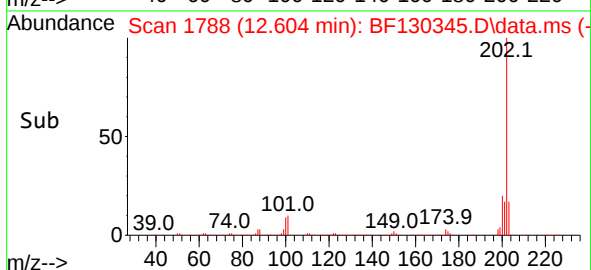
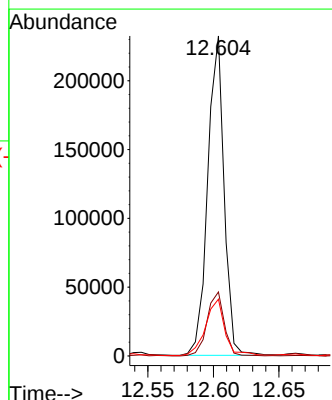
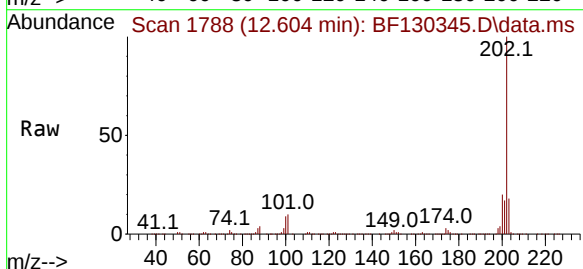
Tgt Ion:202 Resp: 202497

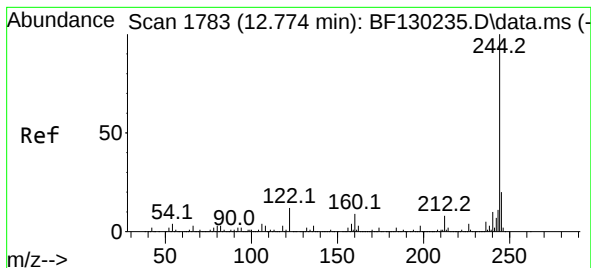
Ion Ratio Lower Upper

202 100

200 20.0 17.2 25.8

203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 64.161 ng

RT: 12.757 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOIL

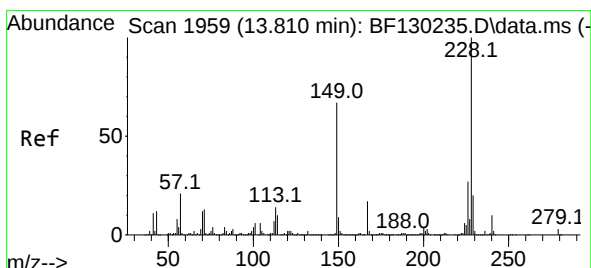
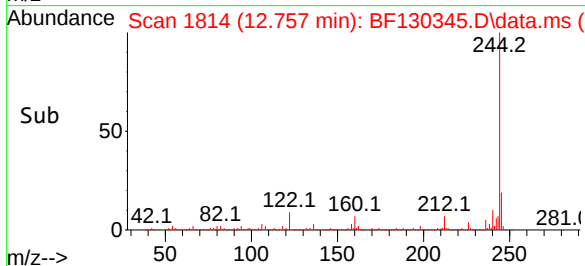
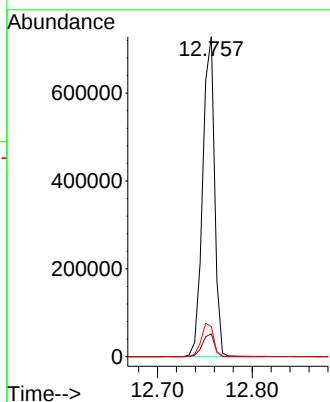
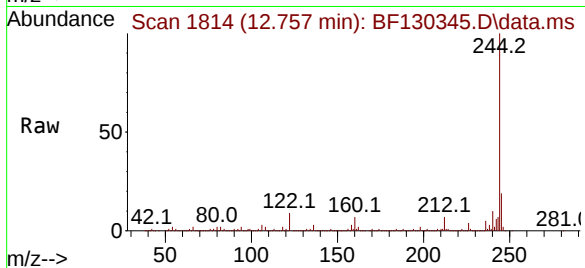
Tgt Ion:244 Resp: 634567

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 9.4 8.5 12.7



#81

Benzo(a)anthracene

Concen: 11.250 ng

RT: 13.786 min Scan# 1989

Delta R.T. -0.006 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

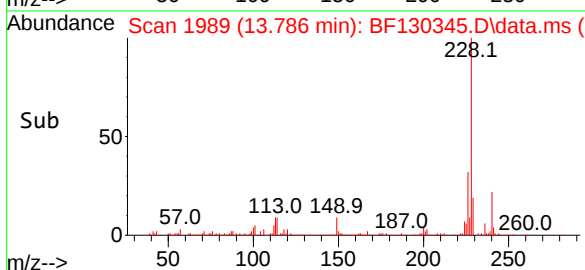
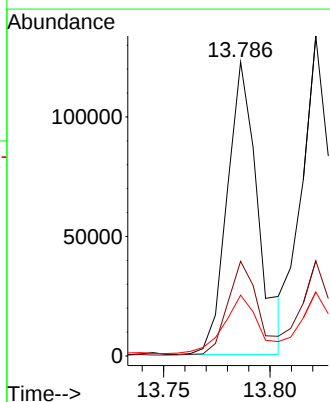
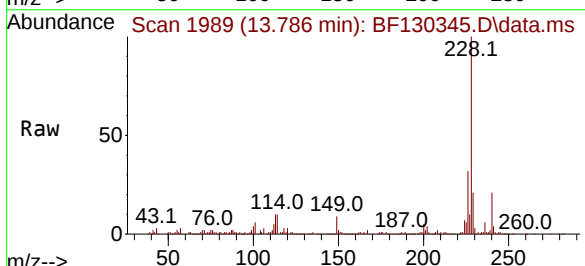
Tgt Ion:228 Resp: 122609

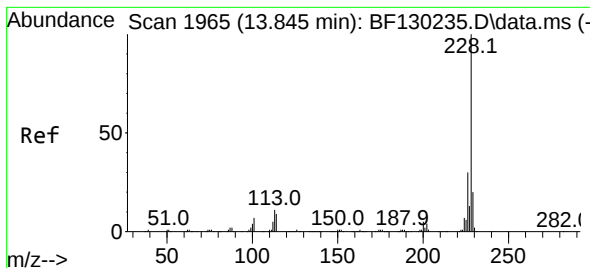
Ion Ratio Lower Upper

228 100

226 32.2 21.9 32.9

229 20.7 16.1 24.1





#83

Chrysene

Concen: 11.894 ng

RT: 13.821 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOIL

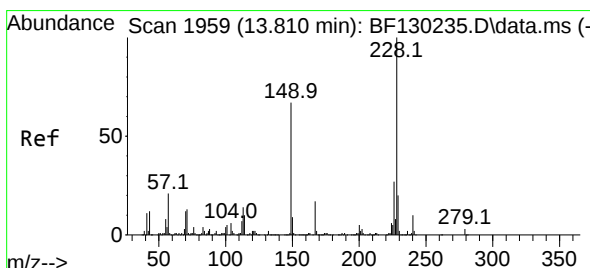
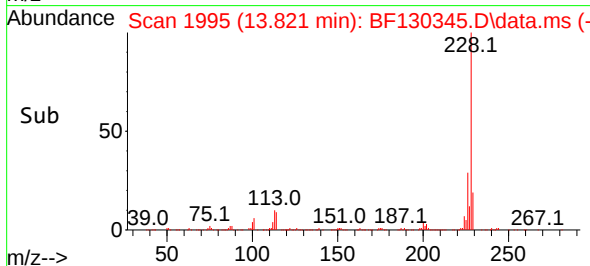
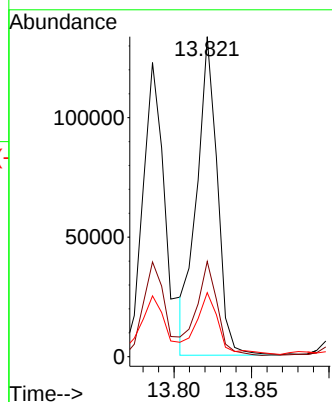
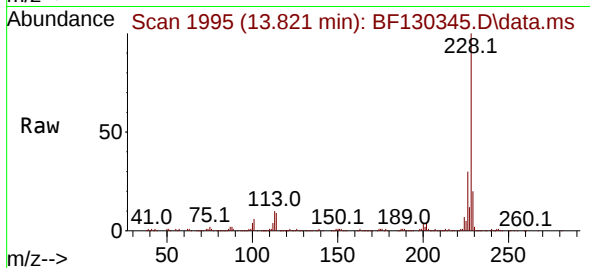
Tgt Ion:228 Resp: 123084

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 20.0 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.269 ng

RT: 13.792 min Scan# 1990

Delta R.T. 0.000 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

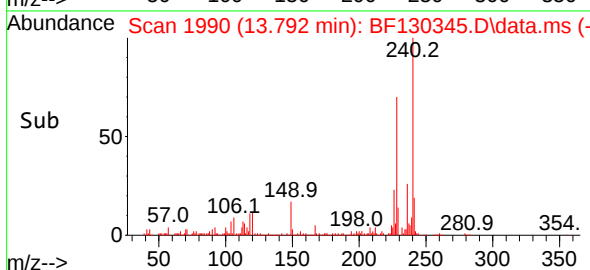
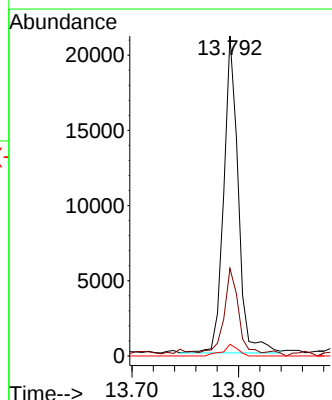
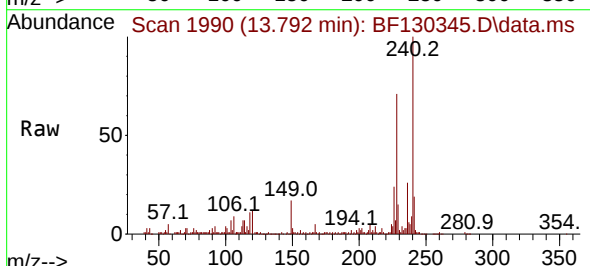
Tgt Ion:149 Resp: 19882

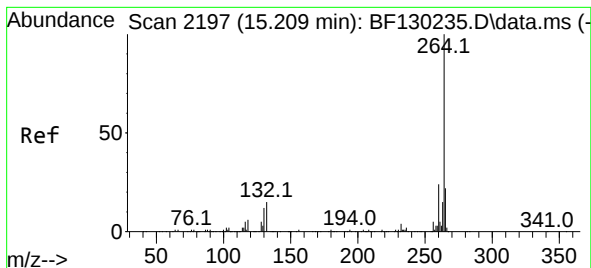
Ion Ratio Lower Upper

149 100

167 27.3 20.5 30.7

279 3.7 2.9 4.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.186 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOIL

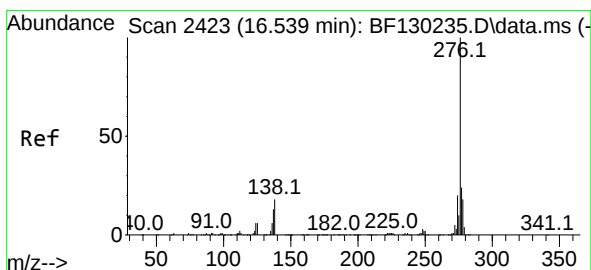
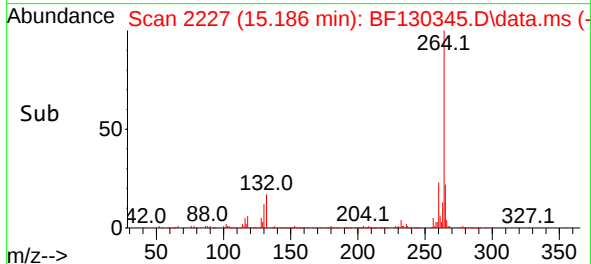
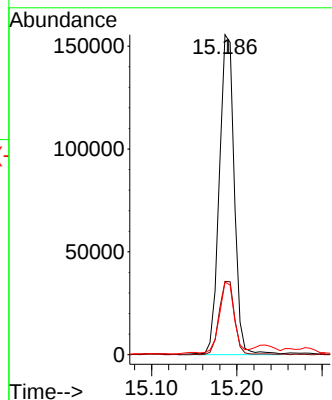
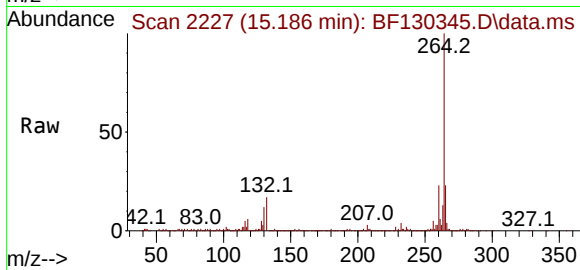
Tgt Ion:264 Resp: 190304

Ion Ratio Lower Upper

264 100

260 22.9 19.3 28.9

265 22.7 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.613 ng

RT: 16.504 min Scan# 2451

Delta R.T. -0.006 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

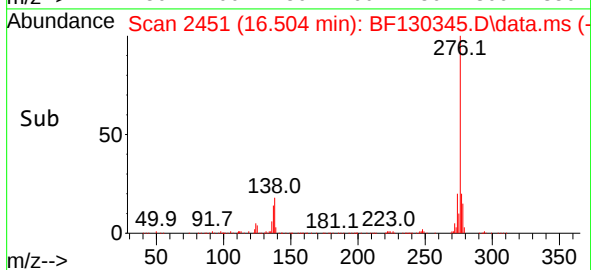
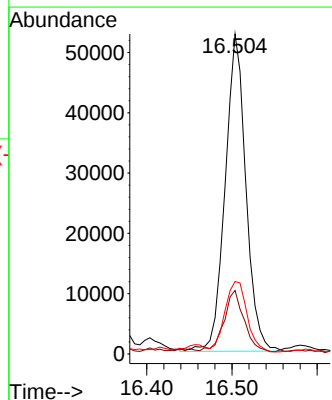
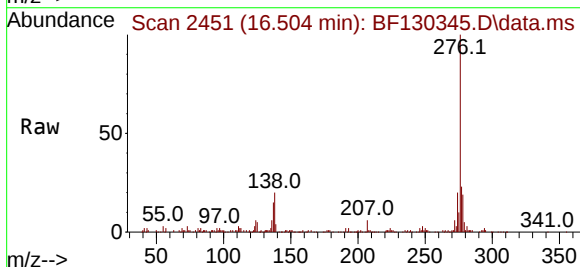
Tgt Ion:276 Resp: 89245

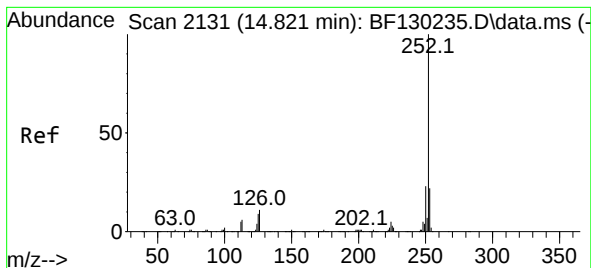
Ion Ratio Lower Upper

276 100

138 18.5 18.5 27.7

277 23.7 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 18.577 ng

RT: 14.798 min Scan# 2161

Delta R.T. 0.000 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOIL

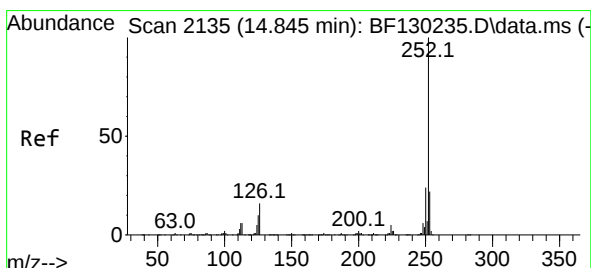
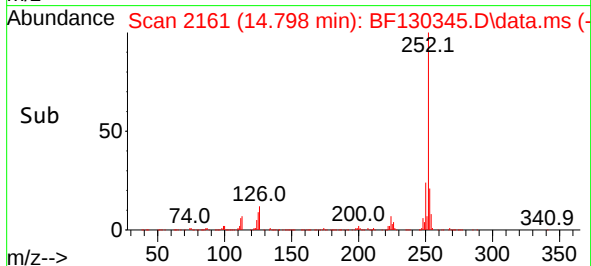
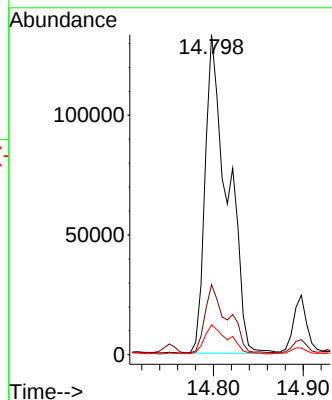
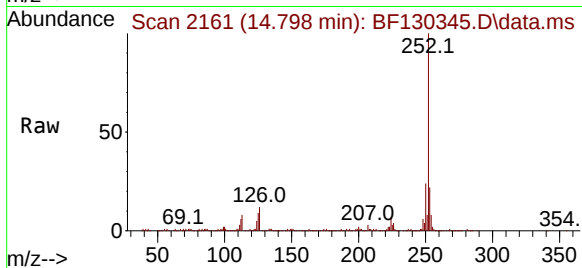
Tgt Ion:252 Resp: 230745

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 9.3 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 18.885 ng

RT: 14.798 min Scan# 2161

Delta R.T. -0.029 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

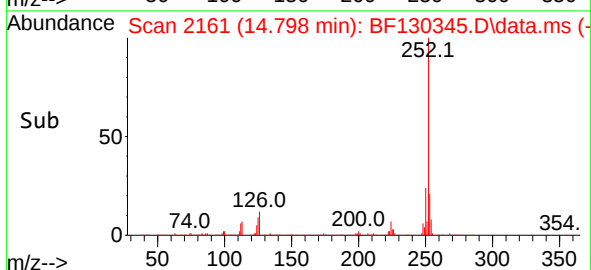
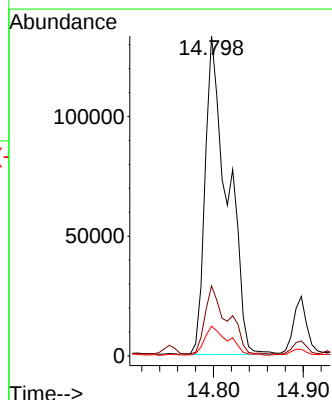
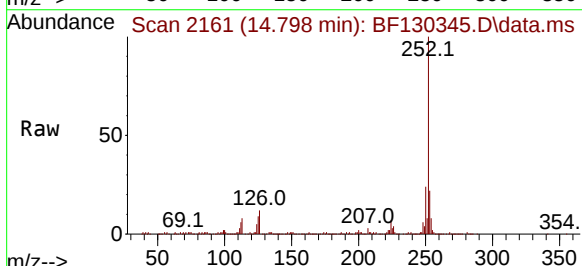
Tgt Ion:252 Resp: 230745

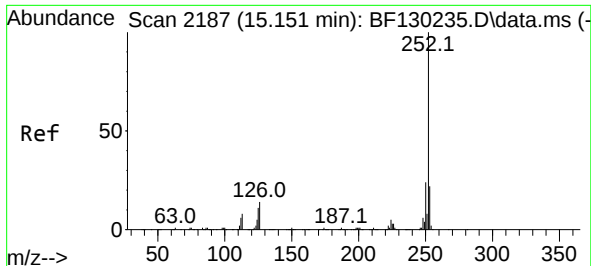
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.3 7.9 11.9

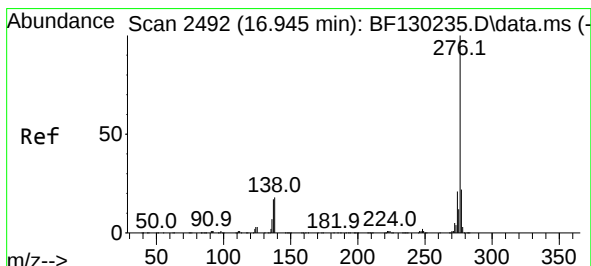
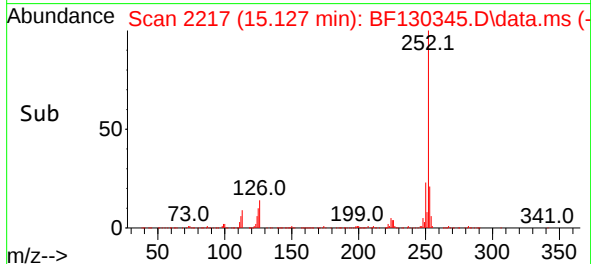
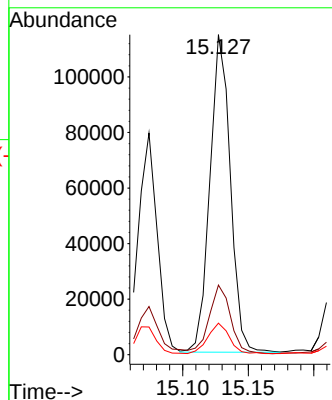
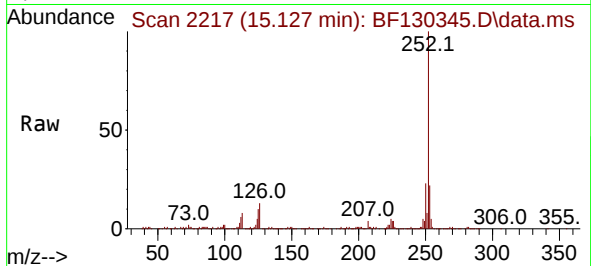




#90
Benzo(a)pyrene
Concen: 12.592 ng
RT: 15.127 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOIL

Tgt Ion:252 Resp: 123908
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 9.8 9.0 13.6



#92
Benzo(g,h,i)perylene
Concen: 8.140 ng
RT: 16.904 min Scan# 2519
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Tgt Ion:276 Resp: 90774
Ion Ratio Lower Upper
276 100
277 25.3 18.6 27.8
138 19.8 14.6 21.8

