

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
 Data File : BF130351.D
 Acq On : 20 Sep 2022 18:56
 Operator : CG\JU
 Sample : N4630-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-1

Quant Time: Sep 21 05:17:25 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)

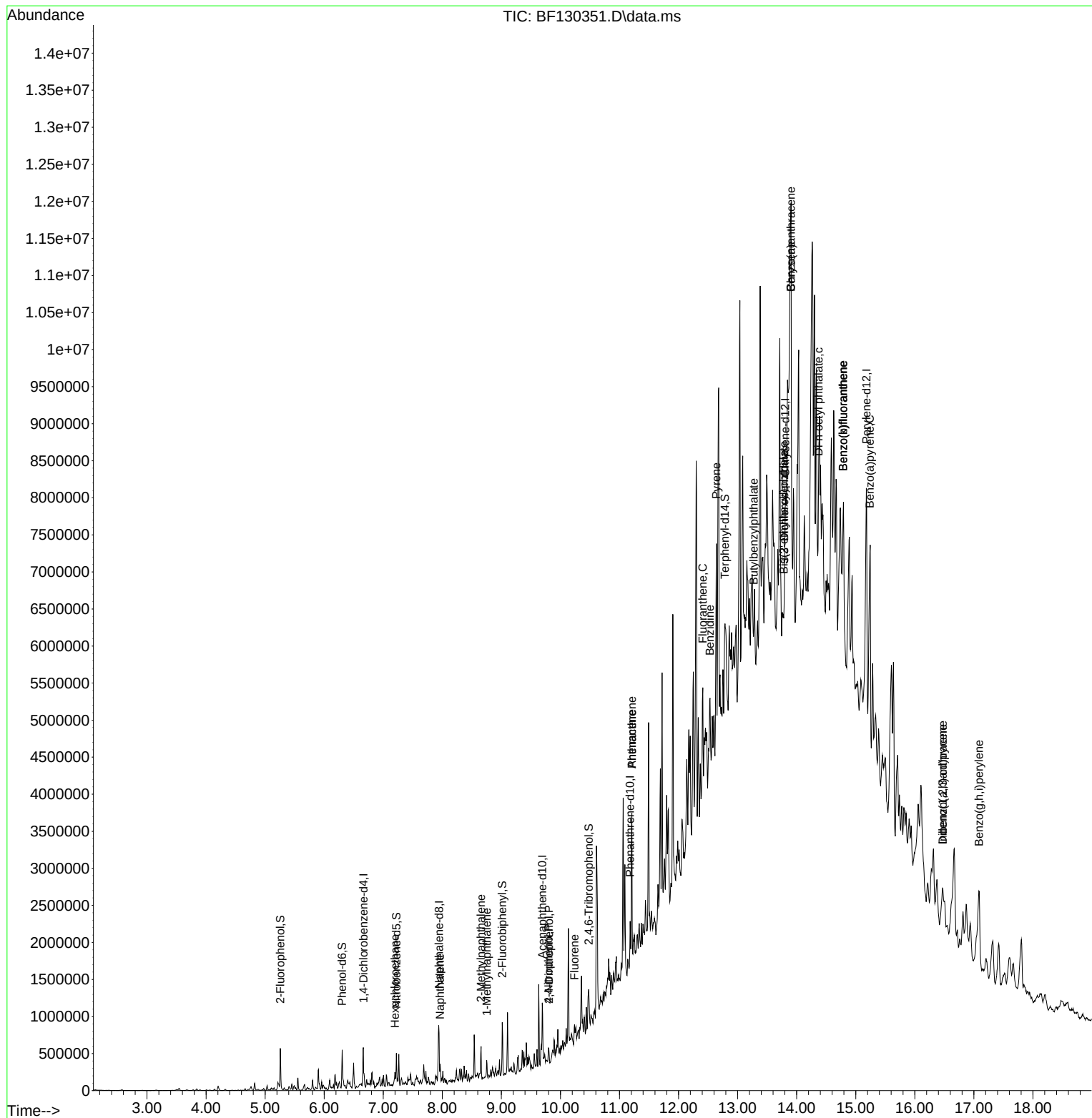
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.663	152	74016	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	258770	20.000	ng	# 0.00
39) Acenaphthene-d10	9.692	164	135696	20.000	ng	0.00
64) Phenanthrene-d10	11.180	188	241673	20.000	ng	0.00
76) Chrysene-d12	13.804	240	6228	20.000	ng	# 0.00
86) Perylene-d12	15.180	264	6477	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.257	112	155108	36.347	ng	0.00
7) Phenol-d6	6.304	99	170284	31.892	ng	0.00
23) Nitrobenzene-d5	7.222	82	100568	19.855	ng	-0.01
42) 2,4,6-Tribromophenol	10.480	330	50512	38.849	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	190888	20.485	ng	0.00
79) Terphenyl-d14	12.786	244	265447	706.022	ng	0.03
Target Compounds						Qvalue
18) Hexachloroethane	7.198	117	5402	2.512	ng	# 1
31) Naphthalene	7.963	128	64019	4.802	ng	100
37) 2-Methylnaphthalene	8.657	142	108206	12.730	ng	98
38) 1-Methylnaphthalene	8.751	142	34368	4.209	ng	97
54) 2,4-Dinitrophenol	9.804	184	53	6.300	ng	# 1
56) 4-Nitrophenol	9.798	139	4840	3.042	ng	# 27
58) Fluorene	10.239	166	36073	3.927	ng	# 92
71) Phenanthrene	11.210	178	745301	54.929	ng	99
72) Anthracene	11.210	178	745301	56.920	ng	100
75) Fluoranthene	12.410	202	418857	31.946	ng	92
77) Benzidine	12.527	184	2215	12.252	ng	# 1
78) Pyrene	12.639	202	1239031	2274.167	ng	98
80) Butylbenzylphthalate	13.274	149	4290	21.255	ng	# 1
81) Benzo(a)anthracene	13.904	228	6589923	15905.515	ng	# 90
82) 3,3'-Dichlorobenzidine	13.786	252	7092	62.883	ng	# 30
83) Chrysene	13.904	228	6589923	16751.432	ng	# 92
84) Bis(2-ethylhexyl)phtha...	13.780	149	5141	22.237	ng	# 23
85) Di-n-octyl phthalate	14.368	149	40871	115.583	ng	# 74
87) Indeno(1,2,3-cd)pyrene	16.474	276	89940	195.815	ng	# 51
88) Benzo(b)fluoranthene	14.786	252	178880	423.133	ng	# 9
89) Benzo(k)fluoranthene	14.786	252	177876	427.732	ng	# 8
90) Benzo(a)pyrene	15.239	252	1394525	4163.761	ng	94
91) Dibenzo(a,h)anthracene	16.474	278	356721	946.718	ng	# 81
92) Benzo(g,h,i)perylene	17.086	276	963231	2537.721	ng	95

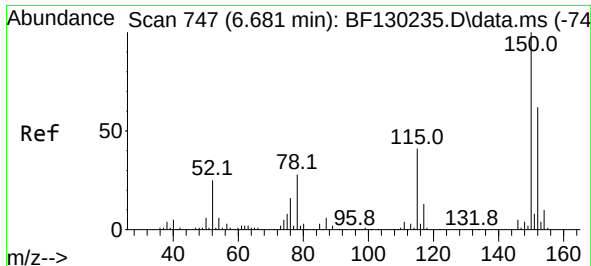
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
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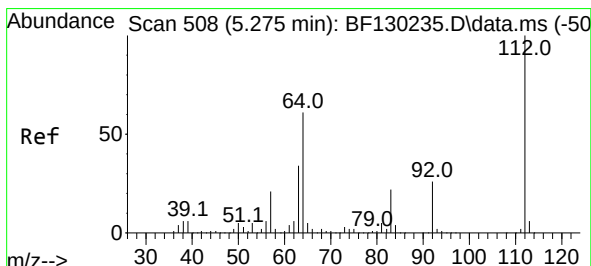
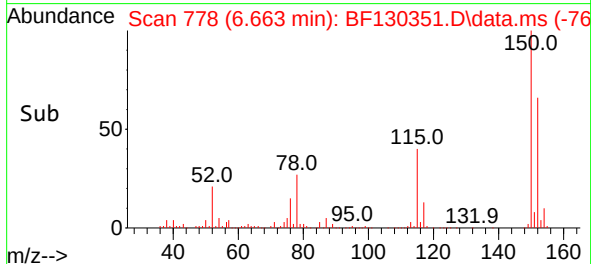
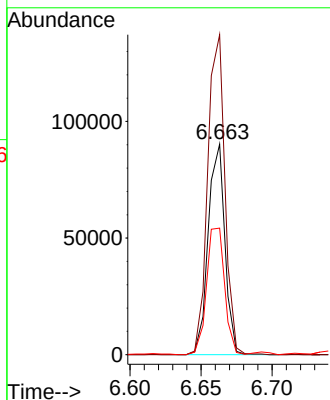
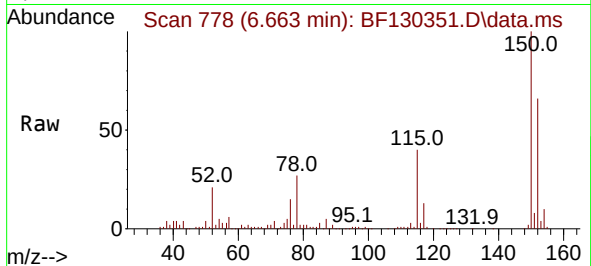




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

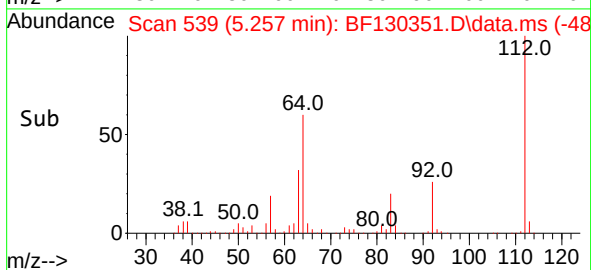
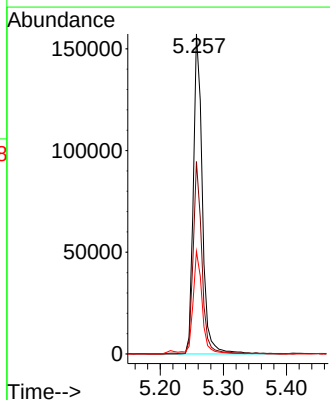
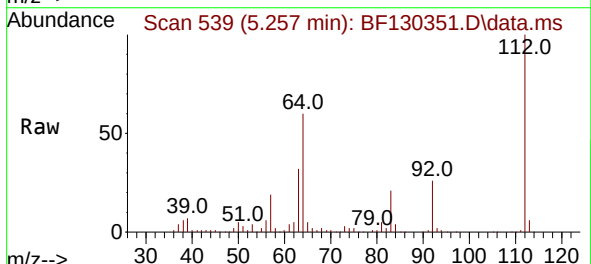
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1

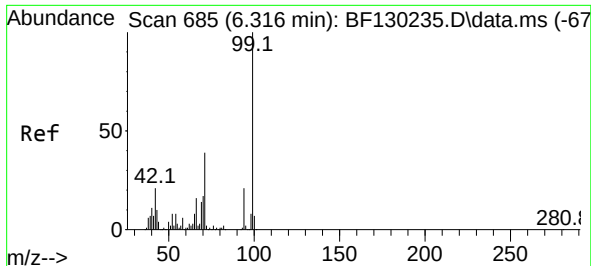
Tgt Ion:152 Resp: 74016
Ion Ratio Lower Upper
152 100
150 152.0 122.8 184.2
115 60.1 53.8 80.8



#5
2-Fluorophenol
Concen: 36.347 ng
RT: 5.257 min Scan# 539
Delta R.T. 0.000 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

Tgt Ion:112 Resp: 155108
Ion Ratio Lower Upper
112 100
64 60.1 51.4 77.0
63 32.1 28.8 43.2

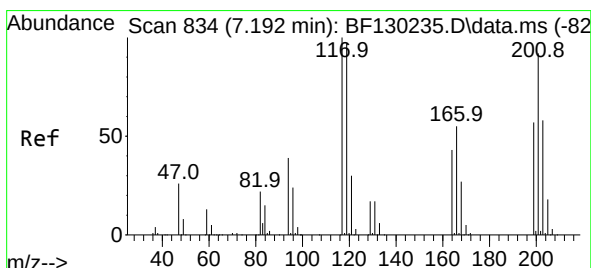
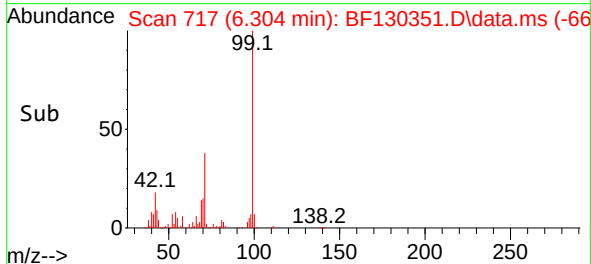
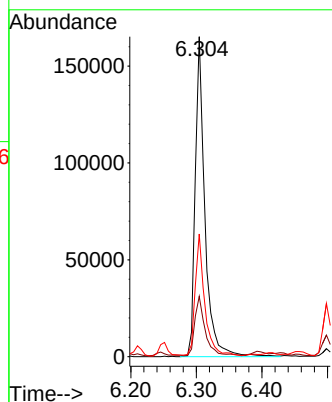
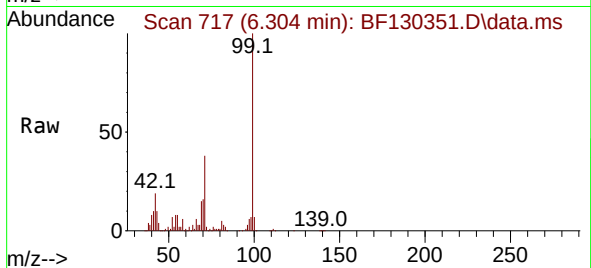




#7
Phenol-d6
Concen: 31.892 ng
RT: 6.304 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

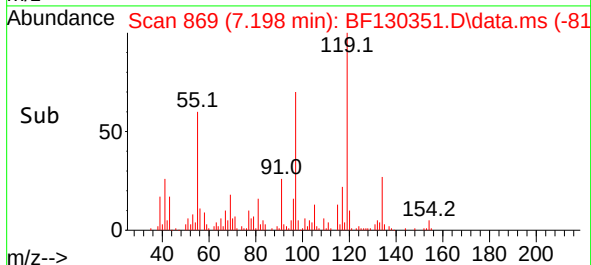
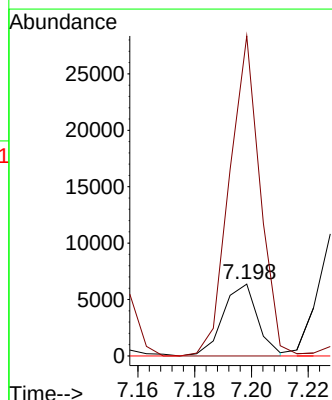
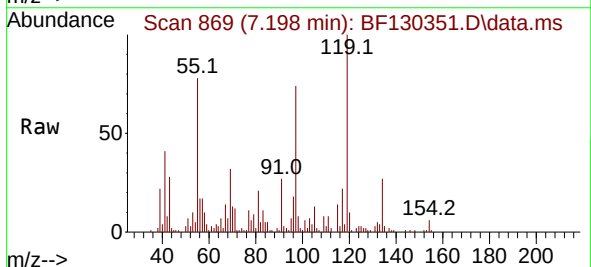
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1

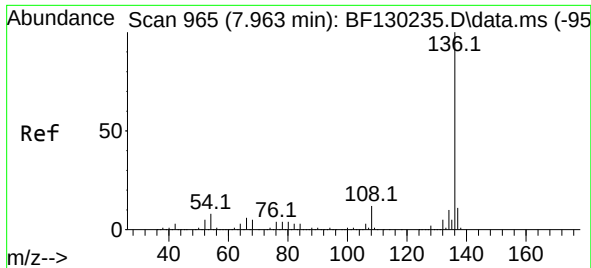
Tgt Ion: 99 Resp: 170284
Ion Ratio Lower Upper
99 100
42 18.8 17.0 25.6
71 38.4 32.3 48.5



#18
Hexachloroethane
Concen: 2.512 ng
RT: 7.198 min Scan# 869
Delta R.T. 0.024 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

Tgt Ion: 117 Resp: 5402
Ion Ratio Lower Upper
117 100
119 445.7 77.8 116.6#
201 0.0 68.7 103.1#

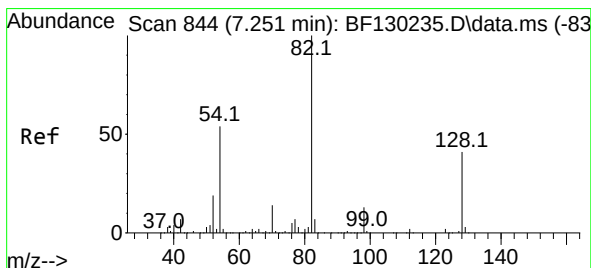
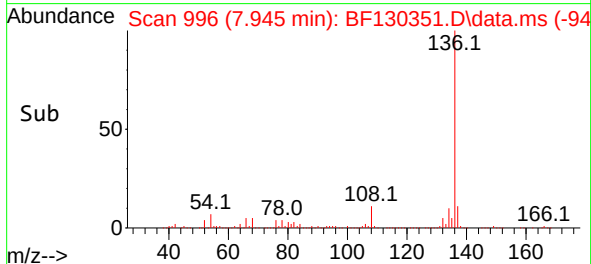
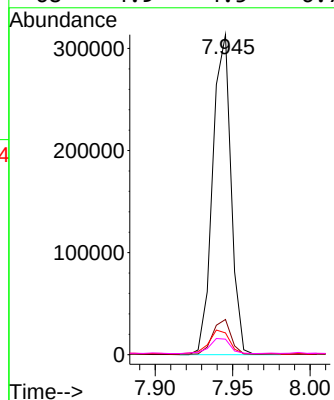
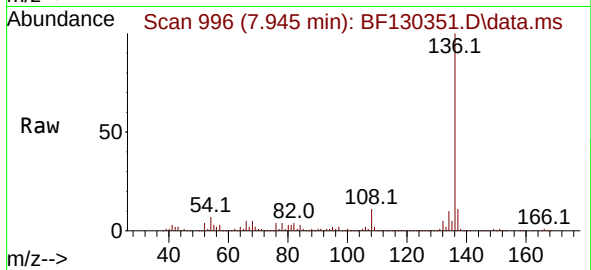




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

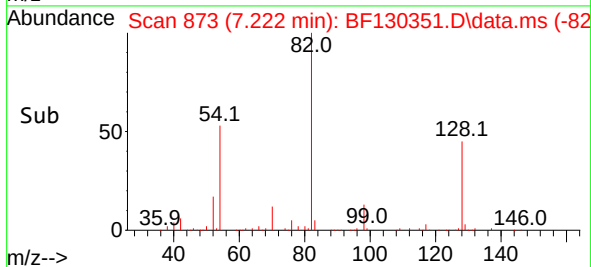
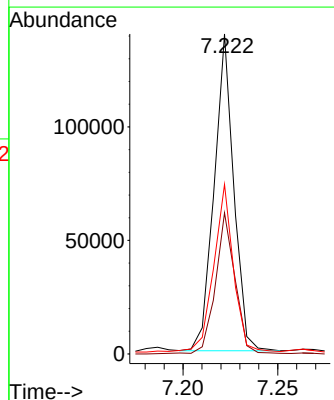
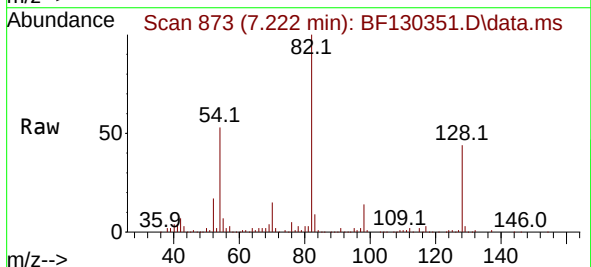
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1

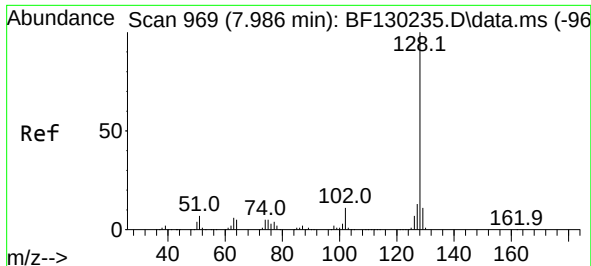
Tgt Ion:136 Resp: 258770
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.8 7.1 10.7#
68 4.9 4.5 6.7



#23
Nitrobenzene-d5
Concen: 19.855 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

Tgt Ion: 82 Resp: 100568
Ion Ratio Lower Upper
82 100
128 44.1 32.6 49.0
54 53.0 43.8 65.6

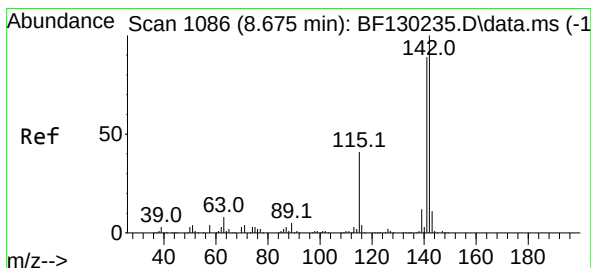
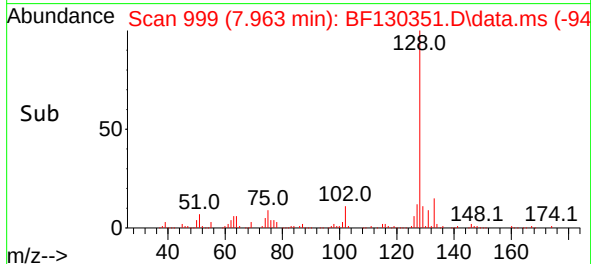
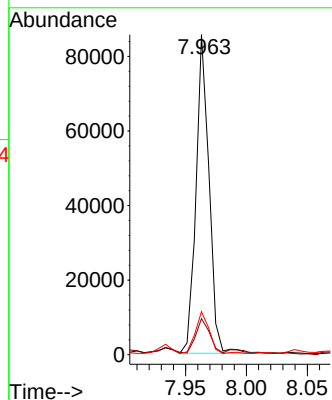
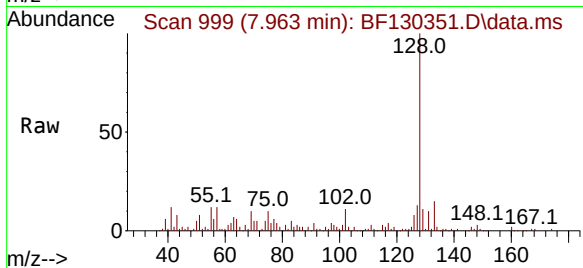




#31
Naphthalene
Concen: 4.802 ng
RT: 7.963 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

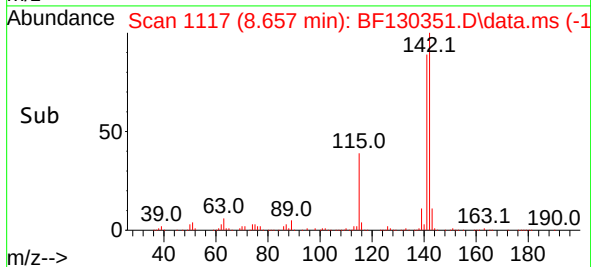
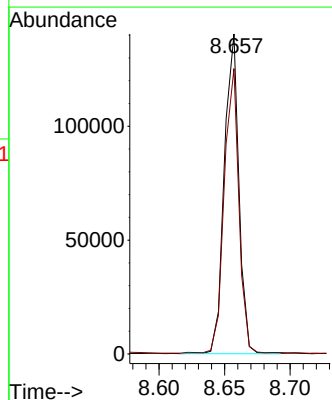
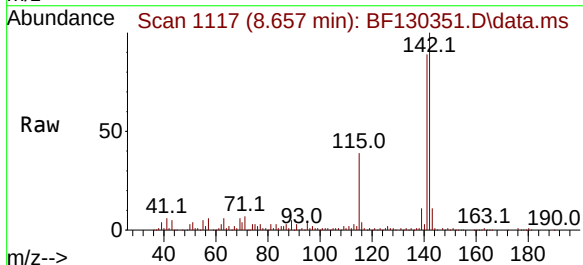
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1

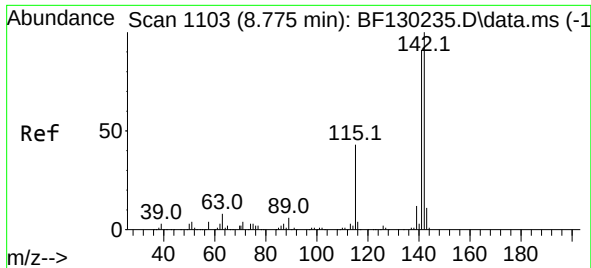
Tgt Ion:128 Resp: 64019
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.4 10.6 16.0



#37
2-Methylnaphthalene
Concen: 12.730 ng
RT: 8.657 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

Tgt Ion:142 Resp: 108206
Ion Ratio Lower Upper
142 100
141 89.2 70.0 105.0

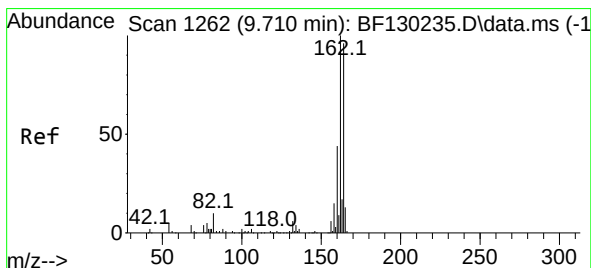
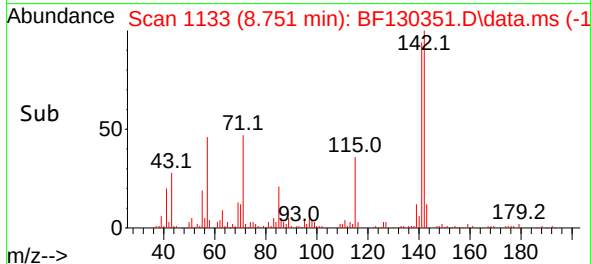
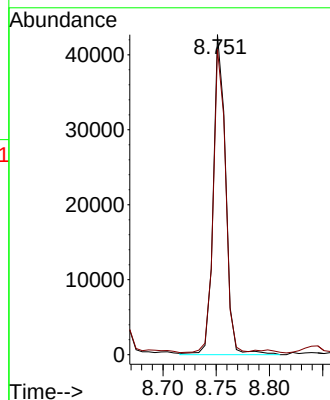
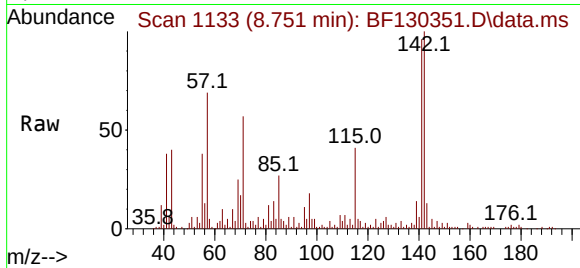




#38
1-Methylnaphthalene
Concen: 4.209 ng
RT: 8.751 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

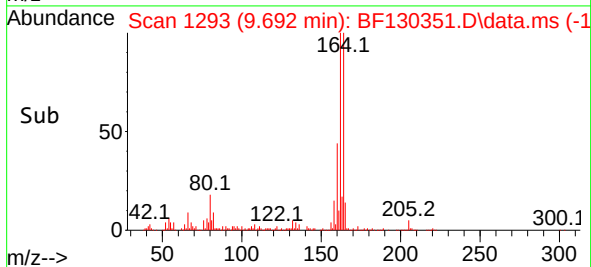
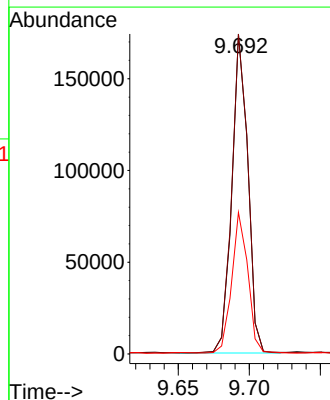
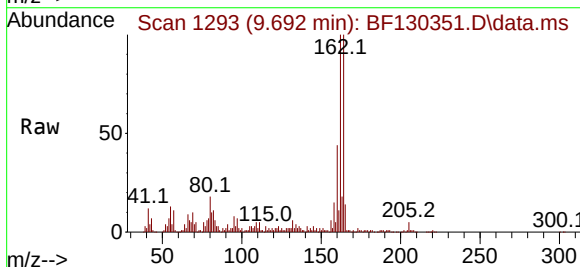
Instrument :
BNA_F
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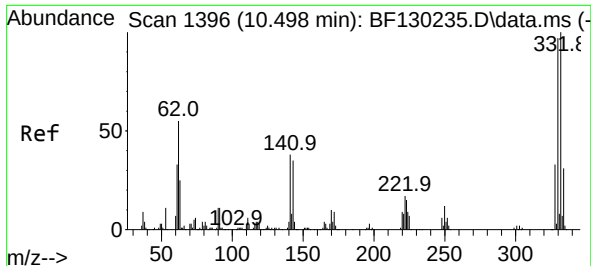
Tgt Ion:142 Resp: 34368
Ion Ratio Lower Upper
142 100
141 95.5 73.8 110.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

Tgt Ion:164 Resp: 135696
Ion Ratio Lower Upper
164 100
162 99.9 81.4 122.0
160 44.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 38.849 ng

RT: 10.480 min Scan# 1427

Delta R.T. 0.000 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1

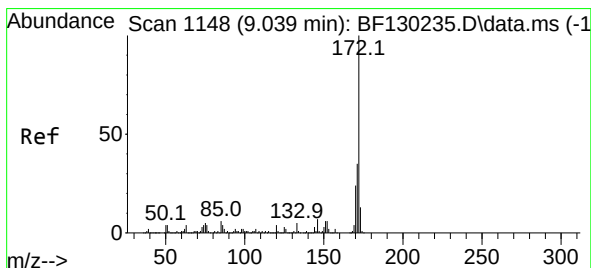
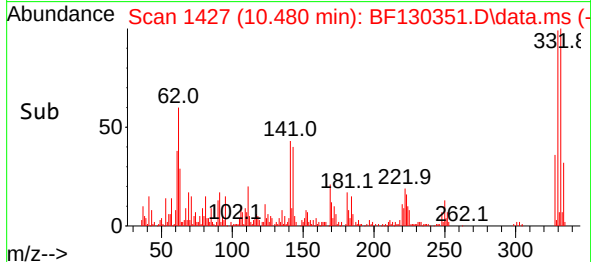
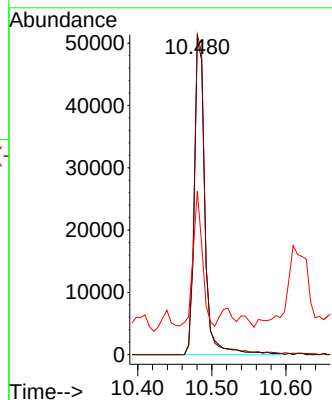
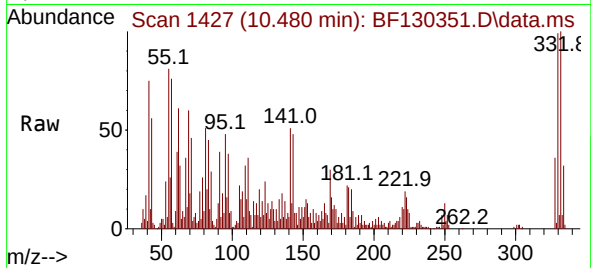
Tgt Ion:330 Resp: 50512

Ion Ratio Lower Upper

330 100

332 101.5 83.4 125.2

141 36.7 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 20.485 ng

RT: 9.016 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

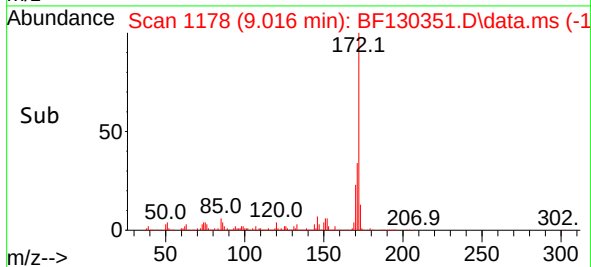
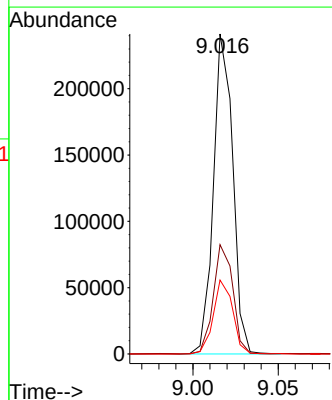
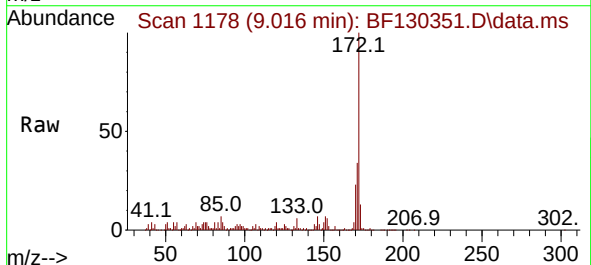
Tgt Ion:172 Resp: 190888

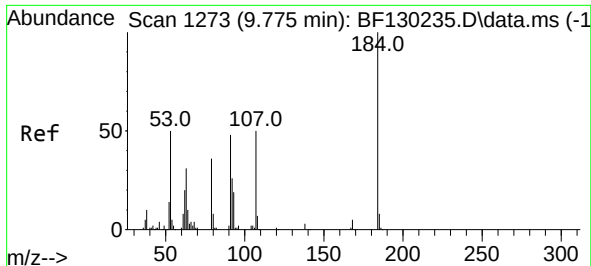
Ion Ratio Lower Upper

172 100

171 34.2 28.3 42.5

170 23.1 18.7 28.1

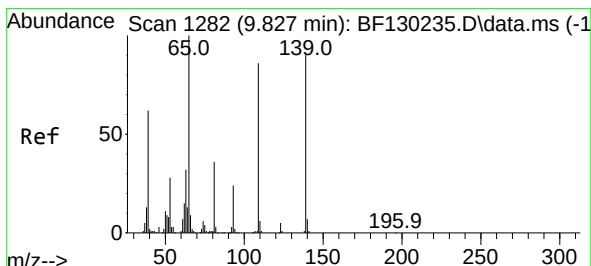
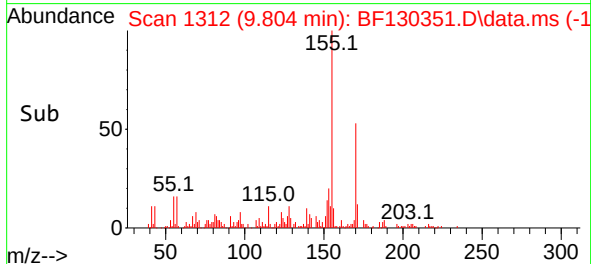
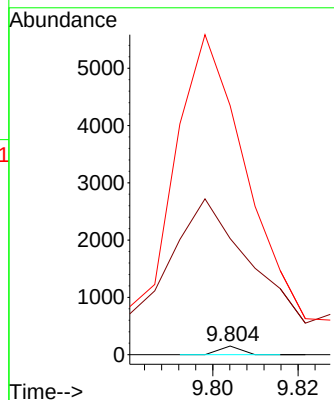
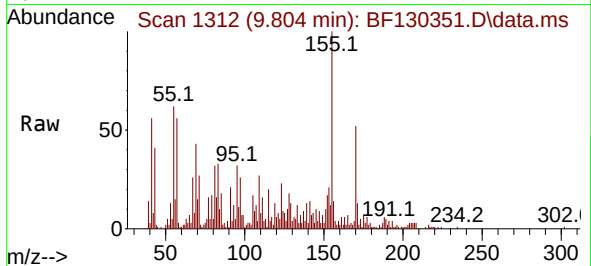




#54
2,4-Dinitrophenol
Concen: 6.300 ng
RT: 9.804 min Scan# 111
Delta R.T. 0.047 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

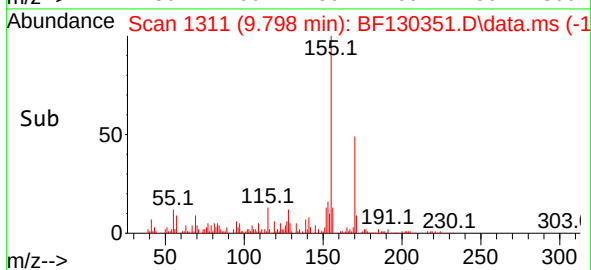
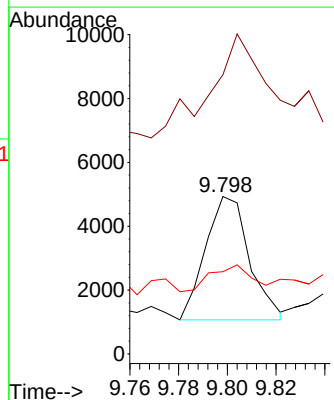
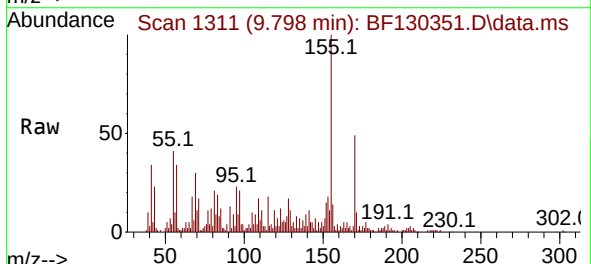
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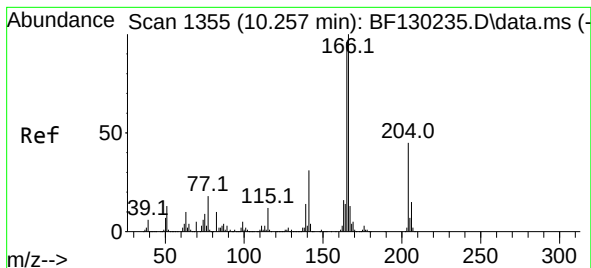
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 1351.3 70.0 105.0#
154 2900.0 63.0 94.6#



#56
4-Nitrophenol
Concen: 3.042 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.018 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

Tgt Ion:139 Resp: 4840
Ion Ratio Lower Upper
139 100
109 177.4 72.2 112.2#
65 52.3 97.7 137.7#





#58

Fluorene

Concen: 3.927 ng

RT: 10.239 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1

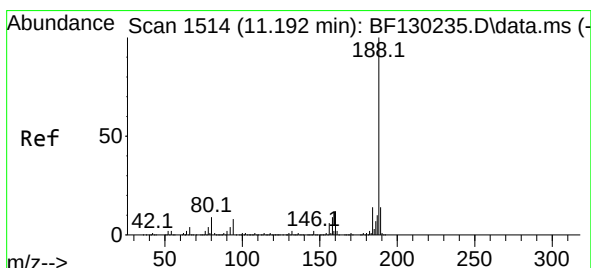
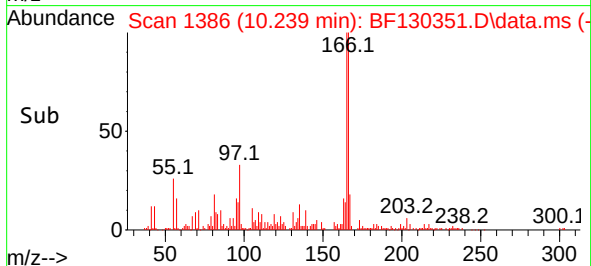
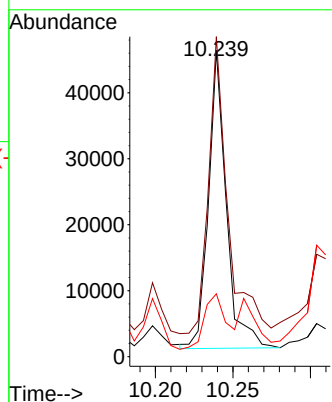
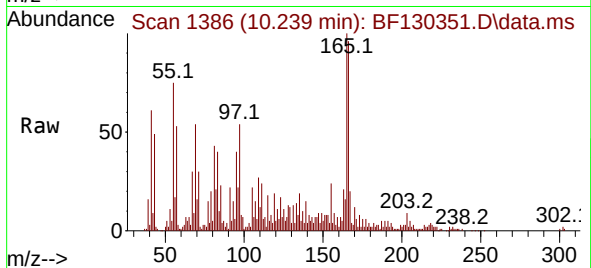
Tgt Ion:166 Resp: 36073

Ion Ratio Lower Upper

166 100

165 104.5 78.8 118.2

167 20.5 10.6 15.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.180 min Scan# 1546

Delta R.T. 0.006 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

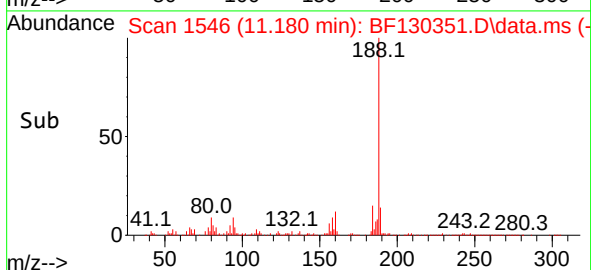
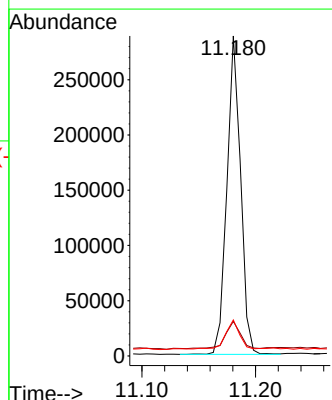
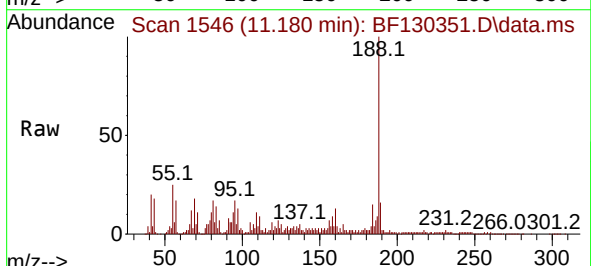
Tgt Ion:188 Resp: 241673

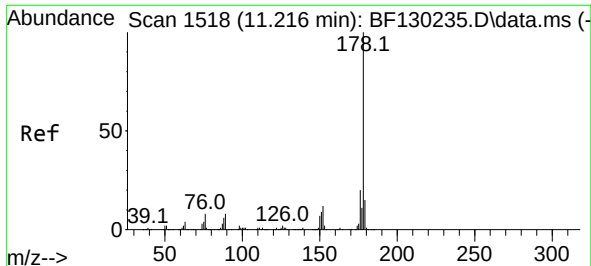
Ion Ratio Lower Upper

188 100

94 10.8 7.4 11.2

80 11.3 7.9 11.9

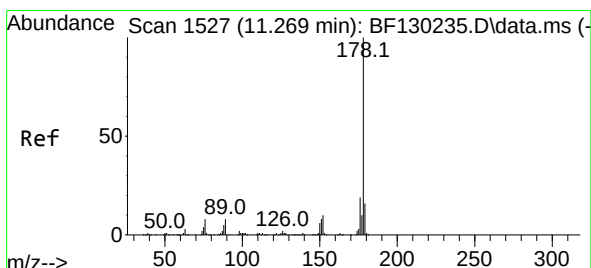
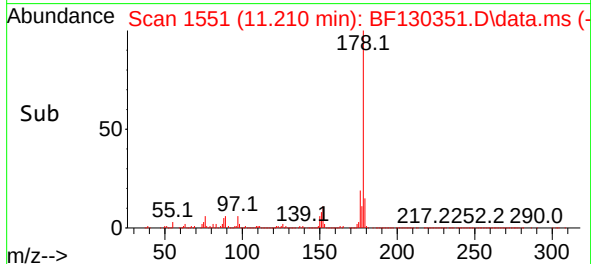
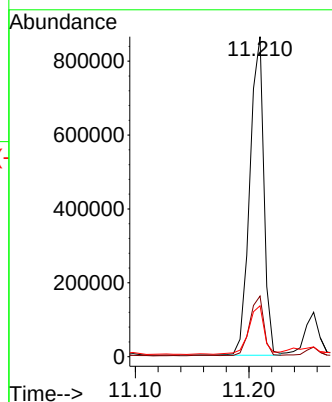
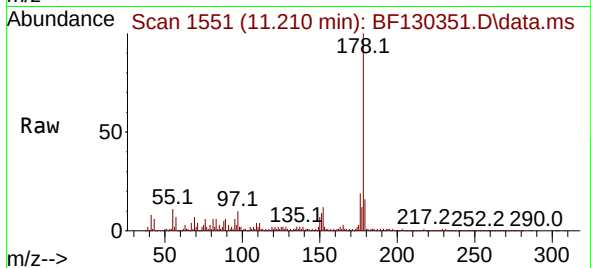




#71
Phenanthrene
Concen: 54.929 ng
RT: 11.210 min Scan# 1551
Delta R.T. 0.012 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

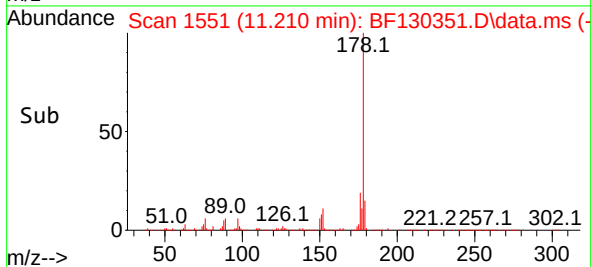
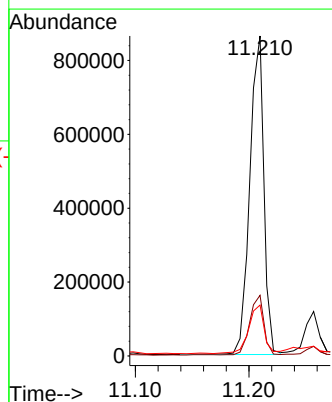
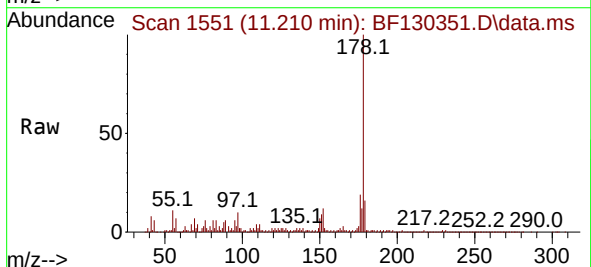
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1

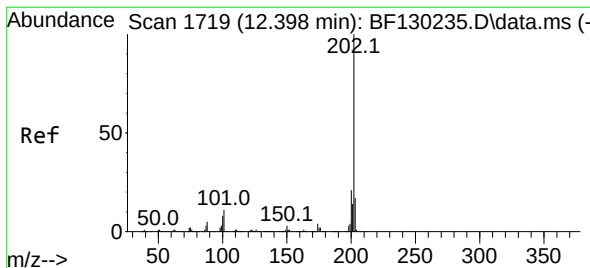
Tgt Ion:178 Resp: 745301
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.9 12.4 18.6



#72
Anthracene
Concen: 56.920 ng
RT: 11.210 min Scan# 1551
Delta R.T. -0.041 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

Tgt Ion:178 Resp: 745301
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.9 12.7 19.1





#75

Fluoranthene

Concen: 31.946 ng

RT: 12.410 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1

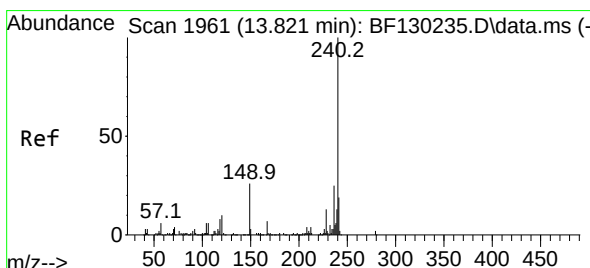
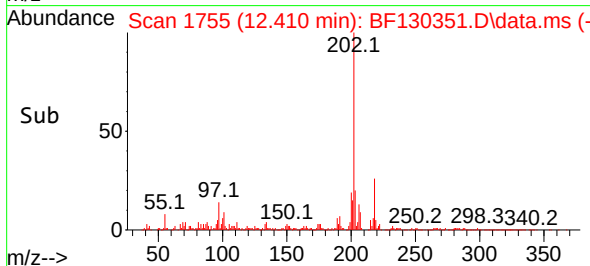
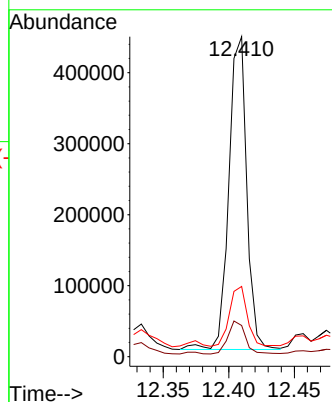
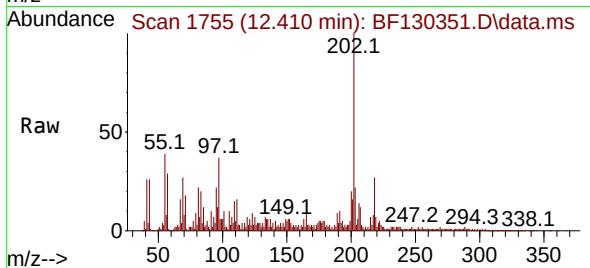
Tgt Ion:202 Resp: 418857

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.8

203 21.9 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.804 min Scan# 1992

Delta R.T. 0.000 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

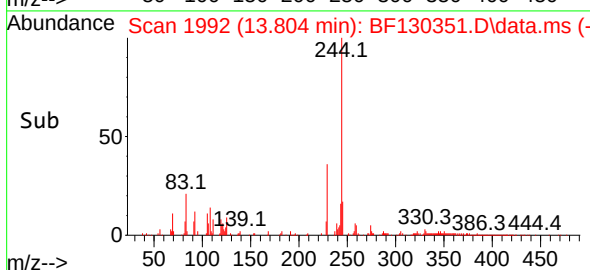
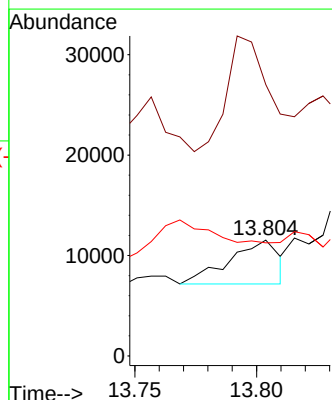
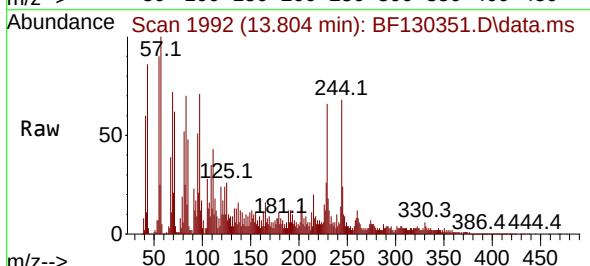
Tgt Ion:240 Resp: 6228

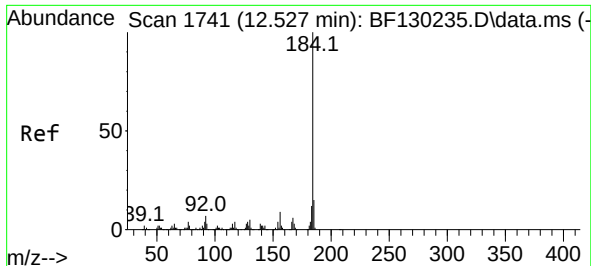
Ion Ratio Lower Upper

240 100

120 234.3 8.7 13.1#

236 97.7 20.9 31.3#

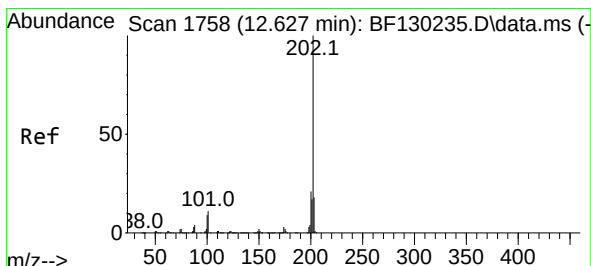
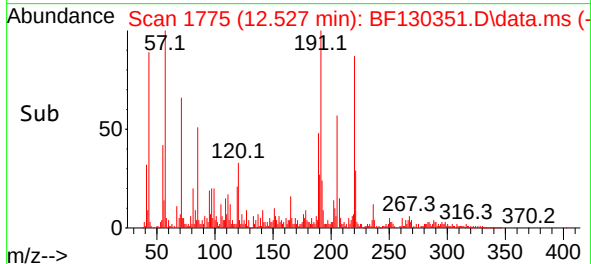
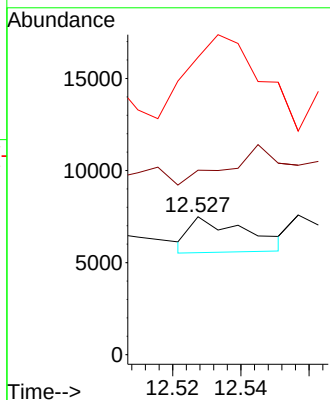
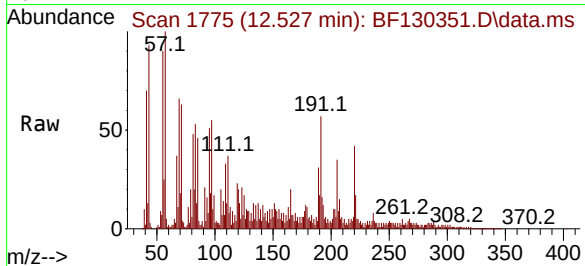




#77
Benzidine
Concen: 12.252 ng
RT: 12.527 min Scan# 1741
Delta R.T. 0.018 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

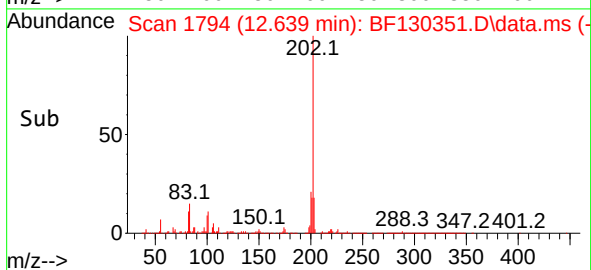
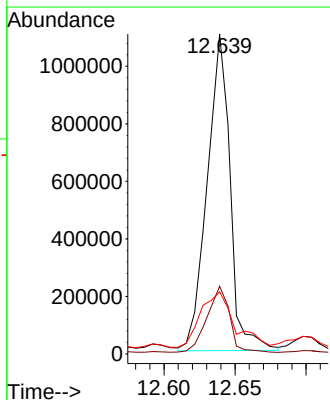
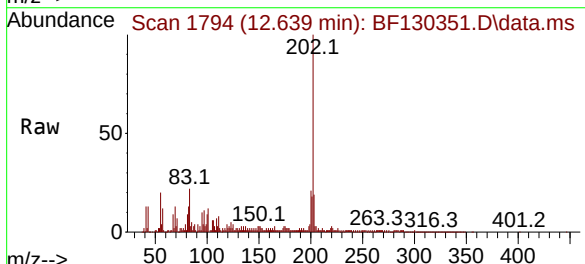
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1

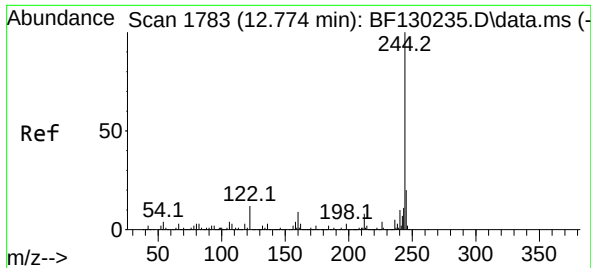
Tgt Ion:184 Resp: 2215
Ion Ratio Lower Upper
184 100
185 133.7 11.8 17.6#
183 215.6 9.1 13.7#



#78
Pyrene
Concen: 2274.167 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.029 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

Tgt Ion:202 Resp: 1239031
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 19.5 14.3 21.5

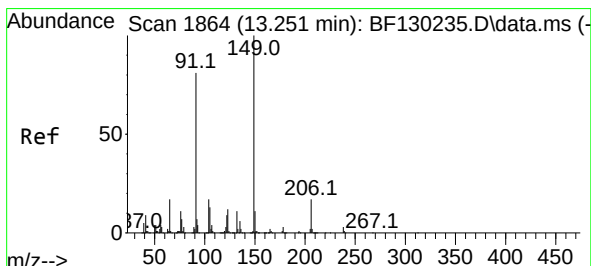
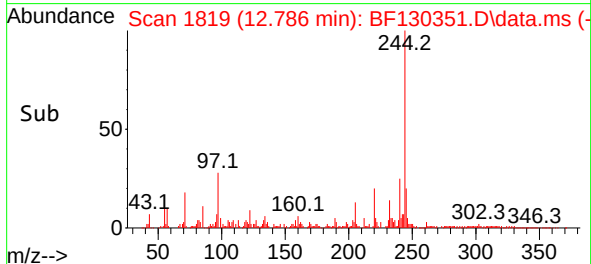
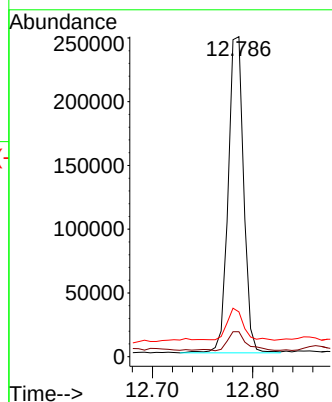
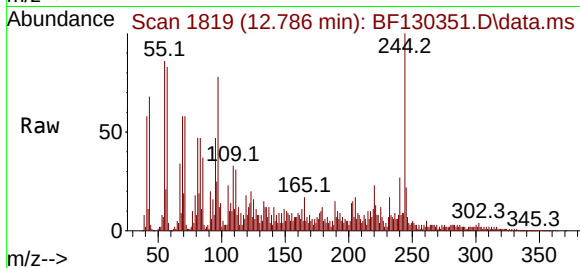




#79
 Terphenyl-d14
 Concen: 706.022 ng
 RT: 12.786 min Scan# 11
 Delta R.T. 0.029 min
 Lab File: BF130351.D
 Acq: 20 Sep 2022 18:56

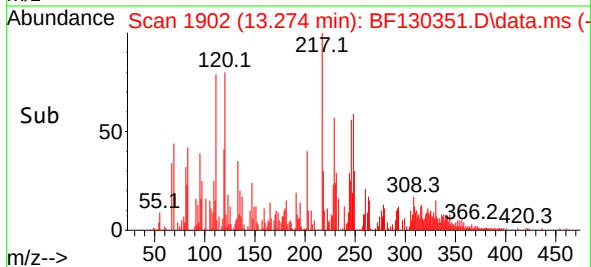
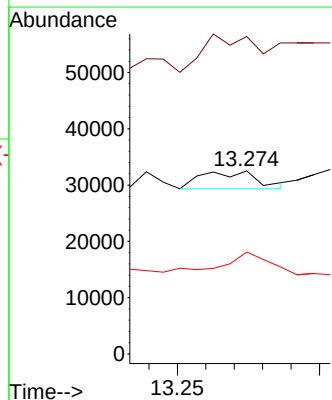
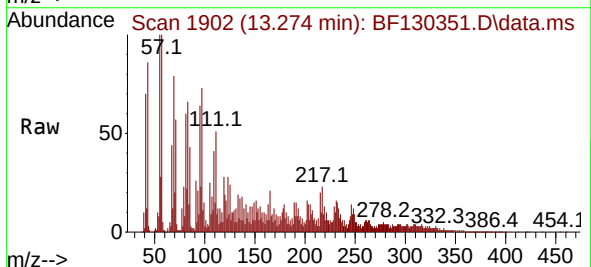
Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-1

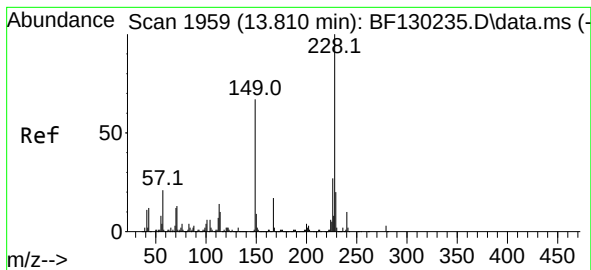
Tgt Ion:244 Resp: 265447
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 14.0 8.5 12.7#



#80
 Butylbenzylphthalate
 Concen: 21.255 ng
 RT: 13.274 min Scan# 1902
 Delta R.T. 0.041 min
 Lab File: BF130351.D
 Acq: 20 Sep 2022 18:56

Tgt Ion:149 Resp: 4290
 Ion Ratio Lower Upper
 149 100
 91 173.4 59.8 89.8#
 206 55.7 13.9 20.9#





#81

Benzo(a)anthracene

Concen: 15905.515 ng

RT: 13.904 min Scan# 20

Delta R.T. 0.112 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1

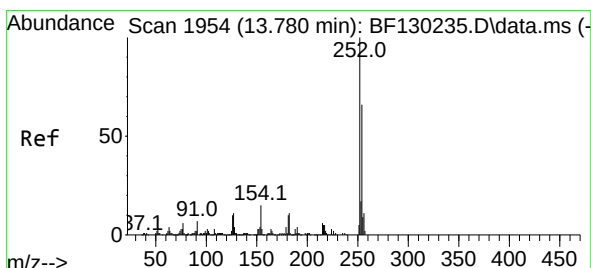
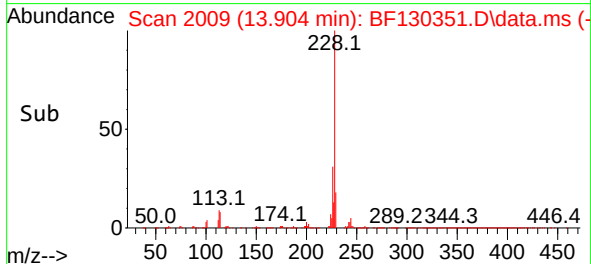
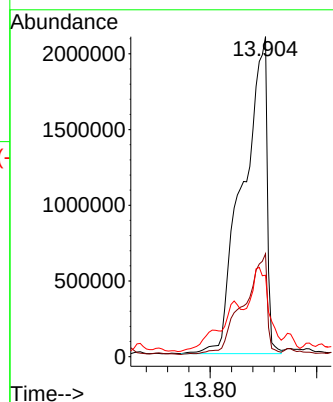
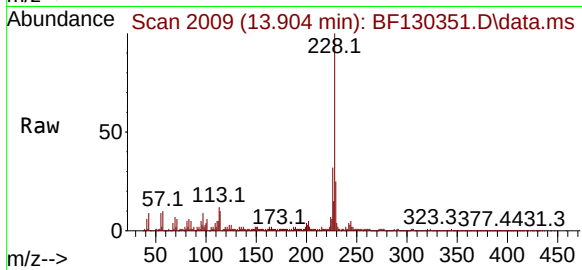
Tgt Ion:228 Resp: 6589923

Ion Ratio Lower Upper

228 100

226 32.2 21.9 32.9

229 25.4 16.1 24.1#



#82

3,3'-Dichlorobenzidine

Concen: 62.883 ng

RT: 13.786 min Scan# 1989

Delta R.T. 0.024 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

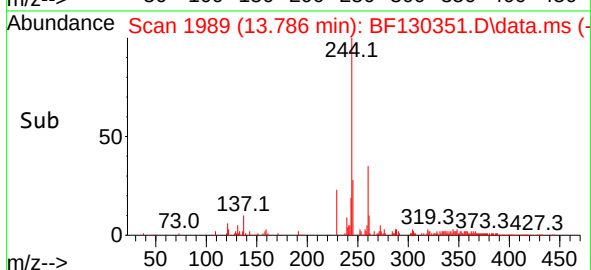
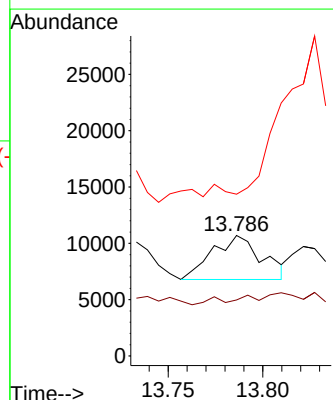
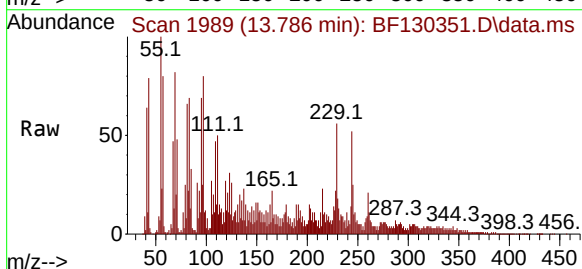
Tgt Ion:252 Resp: 7092

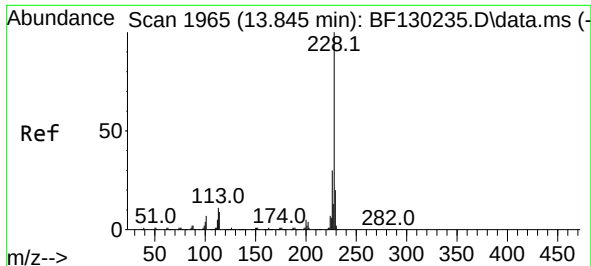
Ion Ratio Lower Upper

252 100

254 46.5 51.1 76.7#

126 134.3 10.4 15.6#

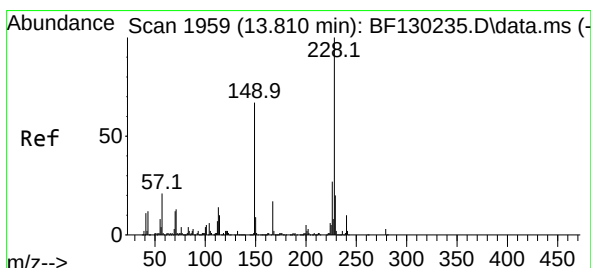
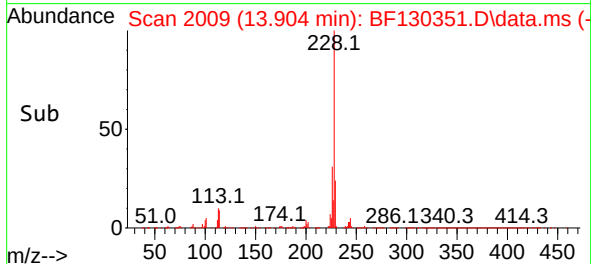
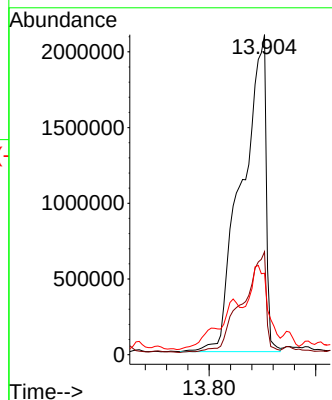
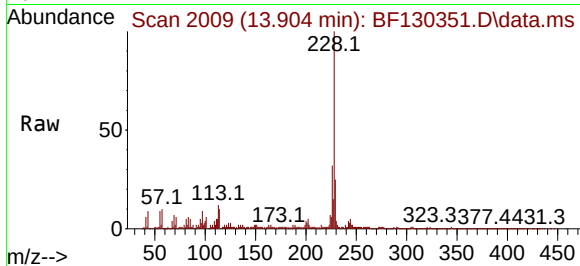




#83
Chrysene
Concen: 16751.432 ng
RT: 13.904 min Scan# 20
Delta R.T. 0.077 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

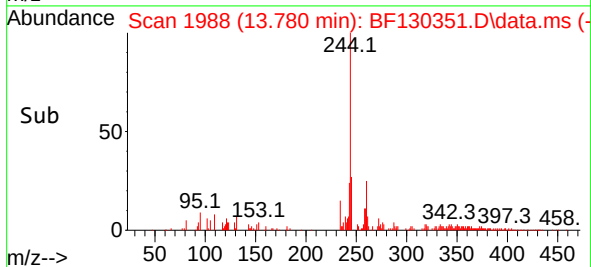
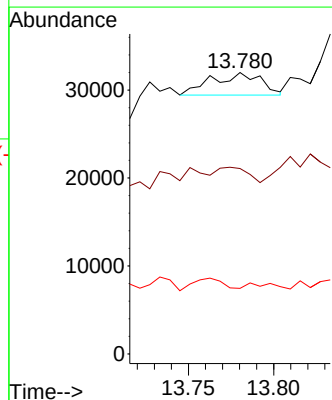
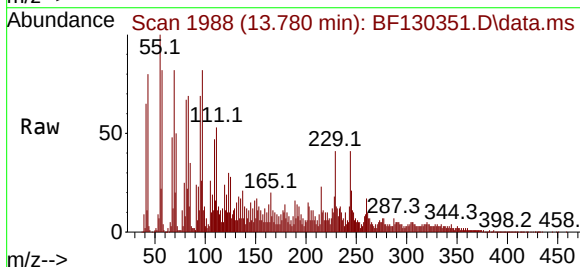
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1

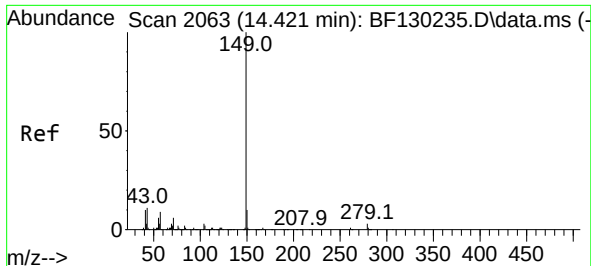
Tgt Ion:228 Resp: 6589923
Ion Ratio Lower Upper
228 100
226 32.2 23.8 35.8
229 25.4 15.3 22.9#



#84
Bis(2-ethylhexyl)phthalate
Concen: 22.237 ng
RT: 13.780 min Scan# 1988
Delta R.T. -0.012 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

Tgt Ion:149 Resp: 5141
Ion Ratio Lower Upper
149 100
167 65.9 20.5 30.7#
279 23.3 2.9 4.3#

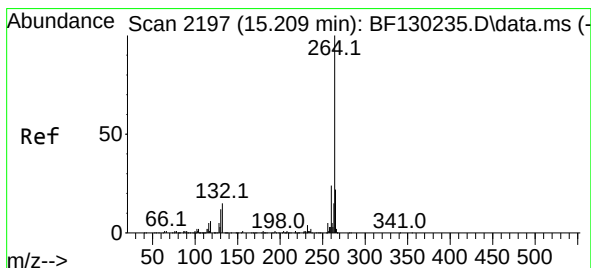
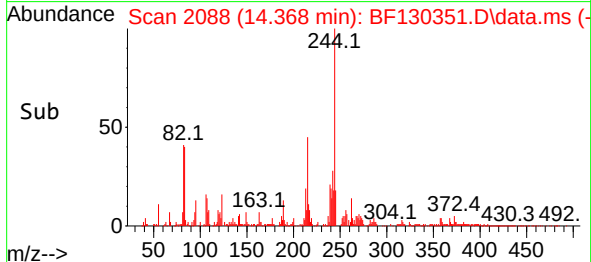
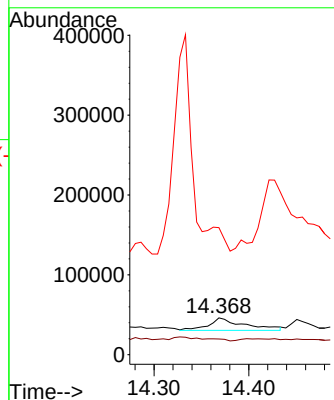
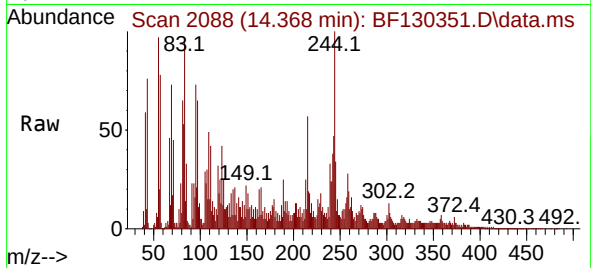




#85
Di-n-octyl phthalate
Concen: 115.583 ng
RT: 14.368 min Scan# 2063
Delta R.T. -0.035 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

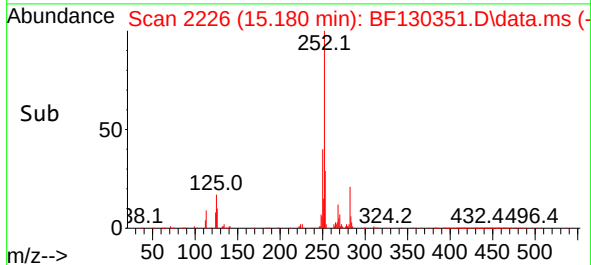
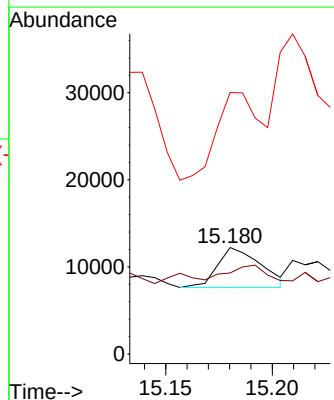
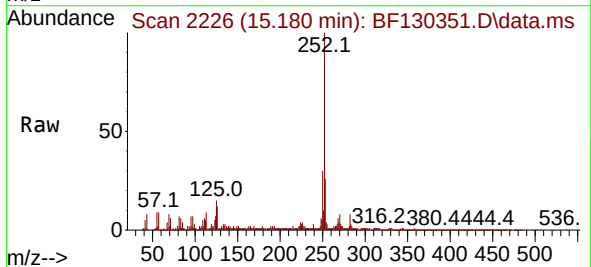
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1

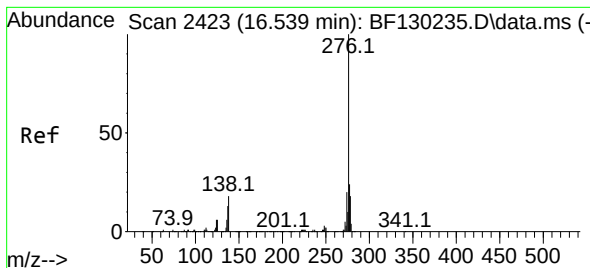
Tgt Ion:149 Resp: 40871
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 8.7 13.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.180 min Scan# 2226
Delta R.T. -0.006 min
Lab File: BF130351.D
Acq: 20 Sep 2022 18:56

Tgt Ion:264 Resp: 6477
Ion Ratio Lower Upper
264 100
260 76.2 19.3 28.9#
265 245.7 17.0 25.4#





#87

Indeno(1,2,3-cd)pyrene

Concen: 195.815 ng

RT: 16.474 min Scan# 2423

Delta R.T. -0.035 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1

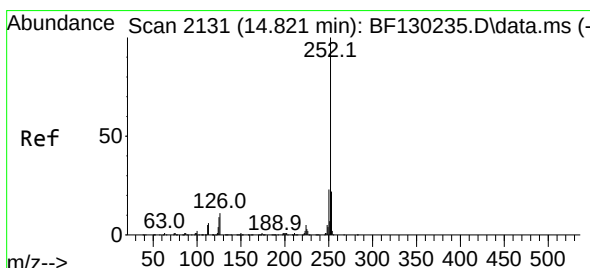
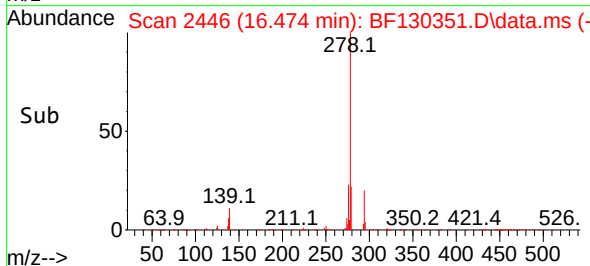
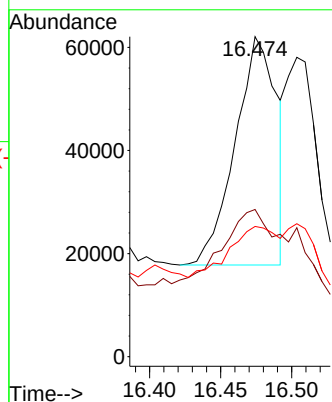
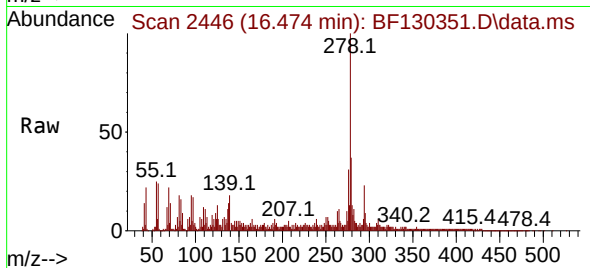
Tgt Ion:276 Resp: 89940

Ion Ratio Lower Upper

276 100

138 72.5 18.5 27.7#

277 25.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 423.133 ng

RT: 14.786 min Scan# 2159

Delta R.T. -0.012 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

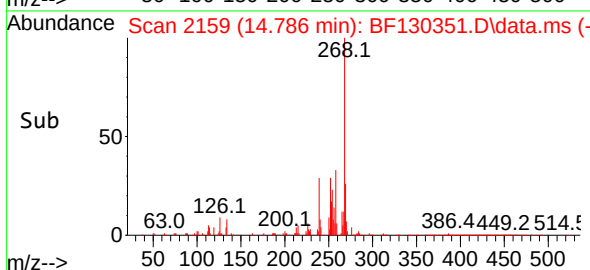
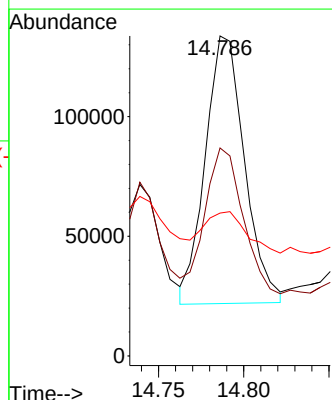
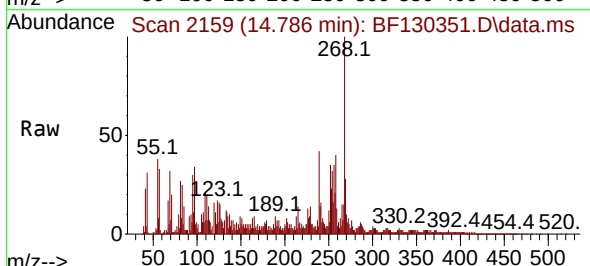
Tgt Ion:252 Resp: 178880

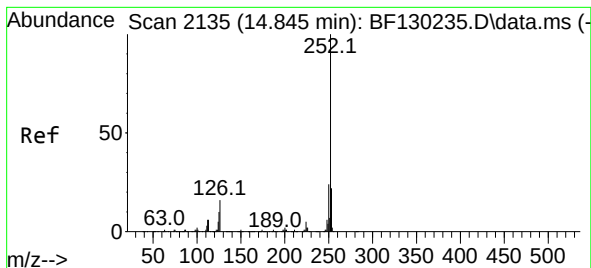
Ion Ratio Lower Upper

252 100

253 65.0 17.7 26.5#

125 44.6 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 427.732 ng

RT: 14.786 min Scan# 2135

Delta R.T. -0.041 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

Instrument :

BNF_F

ClientSampleId :

WC-17-4-1

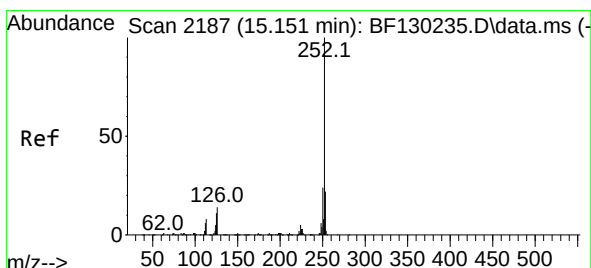
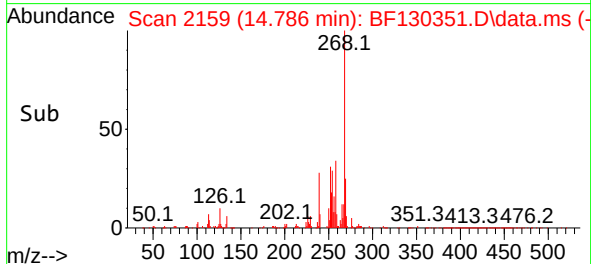
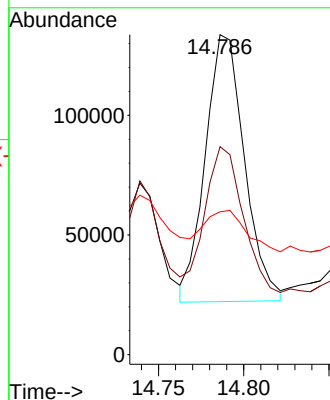
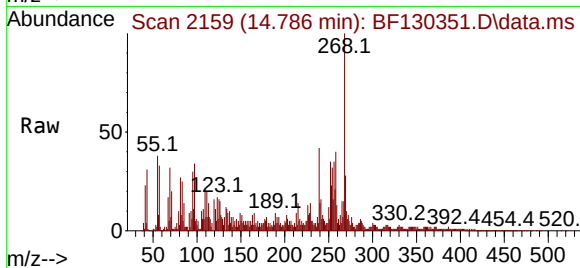
Tgt Ion:252 Resp: 177876

Ion Ratio Lower Upper

252 100

253 65.0 17.4 26.2#

125 44.6 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 4163.761 ng

RT: 15.239 min Scan# 2236

Delta R.T. 0.106 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

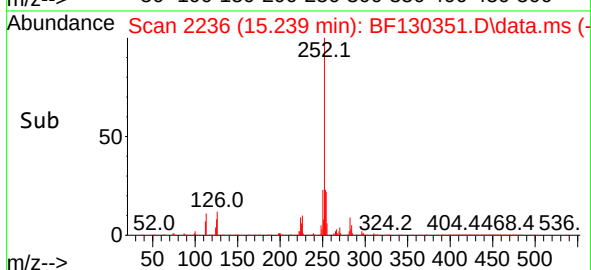
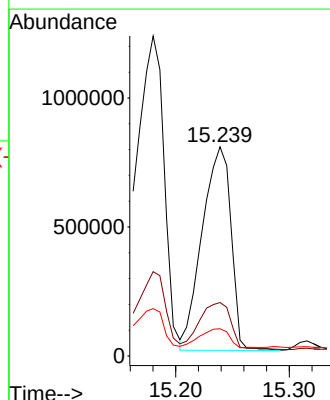
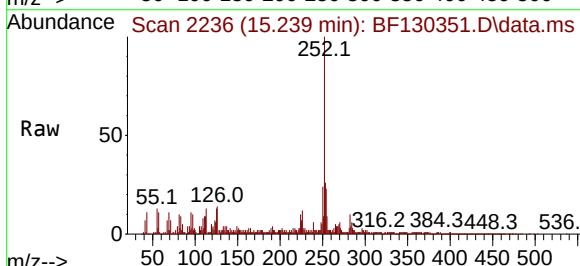
Tgt Ion:252 Resp: 1394525

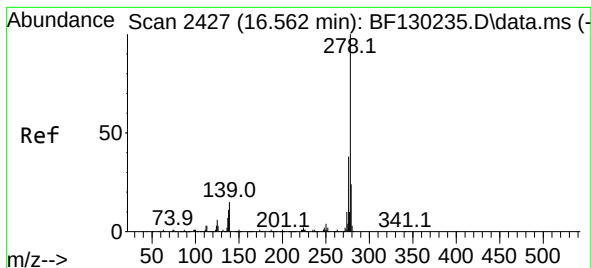
Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.6

125 13.0 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 946.718 ng

RT: 16.474 min Scan# 24

Delta R.T. -0.053 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1

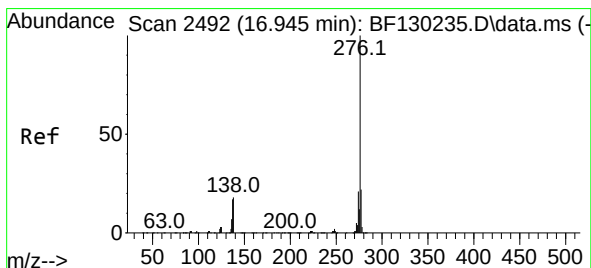
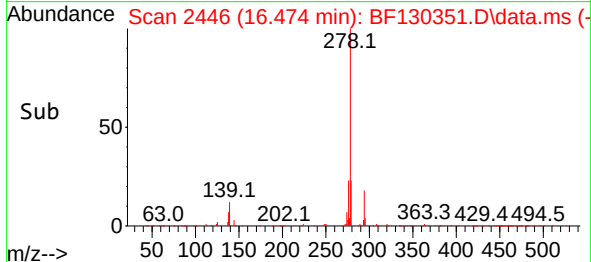
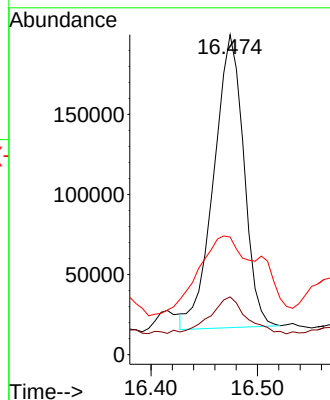
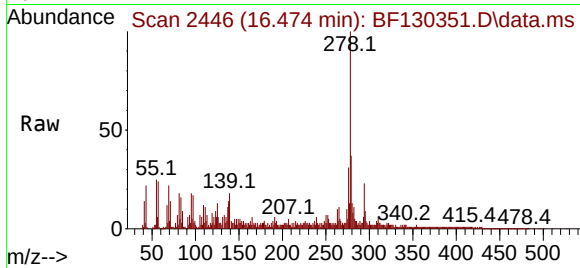
Tgt Ion:278 Resp: 356721

Ion Ratio Lower Upper

278 100

139 18.0 11.8 17.8#

279 36.8 19.4 29.0#



#92

Benzo(g,h,i)perylene

Concen: 2537.721 ng

RT: 17.086 min Scan# 2550

Delta R.T. 0.177 min

Lab File: BF130351.D

Acq: 20 Sep 2022 18:56

Tgt Ion:276 Resp: 963231

Ion Ratio Lower Upper

276 100

277 27.0 18.6 27.8

138 18.9 14.6 21.8

