

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092922\
 Data File : BF130478.D
 Acq On : 29 Sep 2022 21:31
 Operator : CG\JU
 Sample : N4857-01DL 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-092722DL

Quant Time: Sep 30 03:11:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

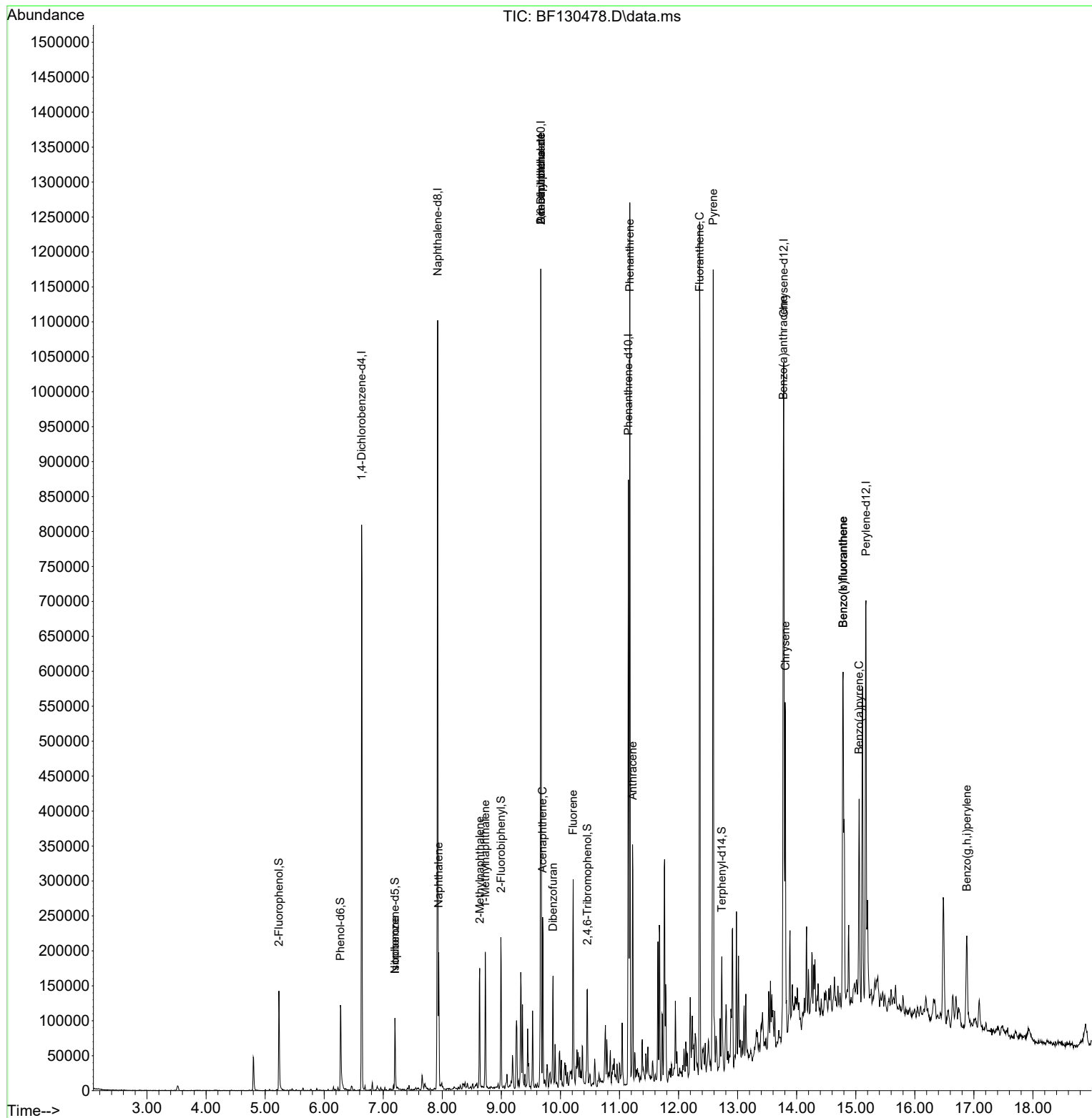
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.634	152	122752	20.000	ng	-0.01
21) Naphthalene-d8	7.922	136	460256	20.000	ng	# 0.00
39) Acenaphthene-d10	9.669	164	216522	20.000	ng	-0.01
64) Phenanthrene-d10	11.151	188	297750	20.000	ng	0.00
76) Chrysene-d12	13.780	240	229833	20.000	ng	-0.01
86) Perylene-d12	15.174	264	255138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	42499	6.005	ng	-0.01
7) Phenol-d6	6.275	99	49707	5.613	ng	-0.02
23) Nitrobenzene-d5	7.198	82	31290	3.473	ng	-0.02
42) 2,4,6-Tribromophenol	10.457	330	10670	5.143	ng	-0.01
45) 2-Fluorobiphenyl	8.992	172	63337	4.260	ng	-0.02
79) Terphenyl-d14	12.733	244	45277	3.263	ng	-0.01
Target Compounds						
25) Isophorone	7.198	82	31289	2.155	ng	# 66
31) Naphthalene	7.939	128	71850	3.030	ng	98
37) 2-Methylnaphthalene	8.634	142	45254	2.993	ng	92
38) 1-Methylnaphthalene	8.728	142	48308	3.326	ng	98
50) Dimethylphthalate	9.669	163	40797	2.728	ng	# 1
51) 2,6-Dinitrotoluene	9.669	165	29659	9.482	ng	# 16
52) Acenaphthene	9.698	154	50053	3.884	ng	100
55) Dibenzofuran	9.875	168	40107	2.238	ng	# 95
58) Fluorene	10.216	166	73627	5.023	ng	99
71) Phenanthrene	11.175	178	403308	24.126	ng	99
72) Anthracene	11.222	178	130142	8.067	ng	99
75) Fluoranthene	12.357	202	474211	29.357	ng	98
78) Pyrene	12.586	202	432770	21.525	ng	99
81) Benzo(a)anthracene	13.774	228	225285	14.735	ng	96
83) Chrysene	13.810	228	197603	13.611	ng	97
88) Benzo(b)fluoranthene	14.786	252	355593	21.353	ng	98
89) Benzo(k)fluoranthene	14.786	252	355593	21.707	ng	97
90) Benzo(a)pyrene	15.057	252	121315	9.195	ng	99
92) Benzo(g,h,i)perylene	16.880	276	99775	6.673	ng	98

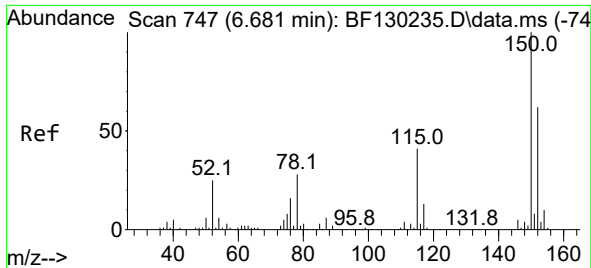
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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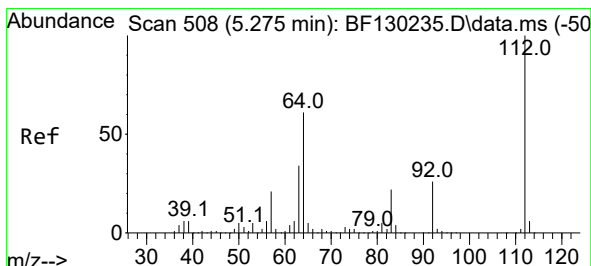
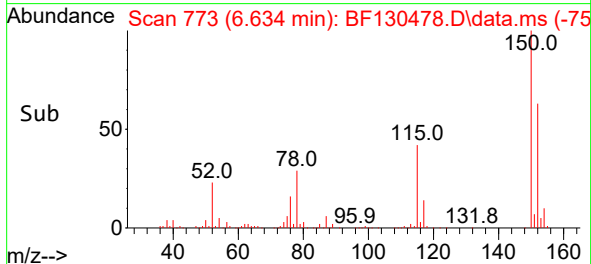
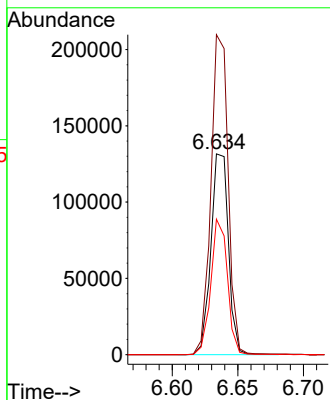
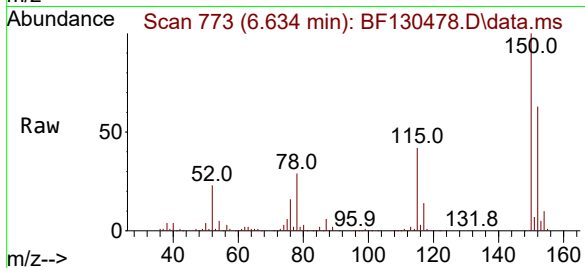




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.634 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BF130478.D
 Acq: 29 Sep 2022 21:31

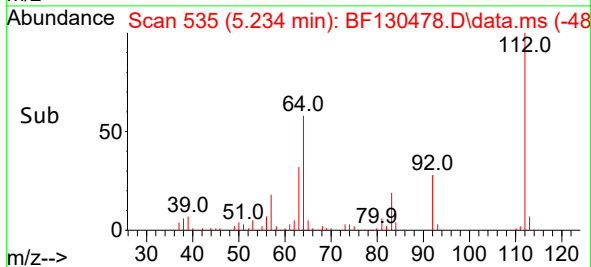
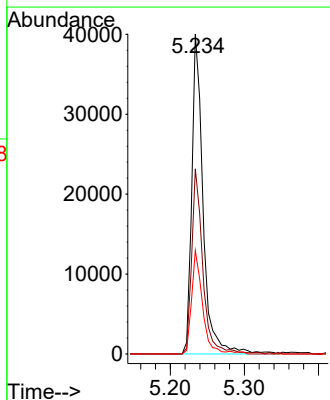
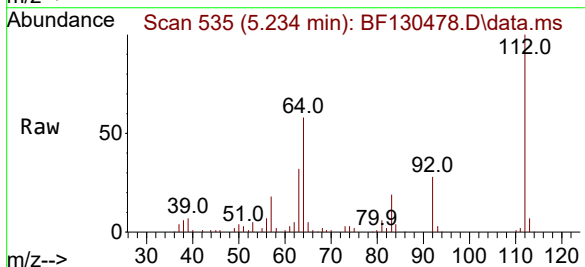
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 ClientSampleId :
 OR-02-092722DL

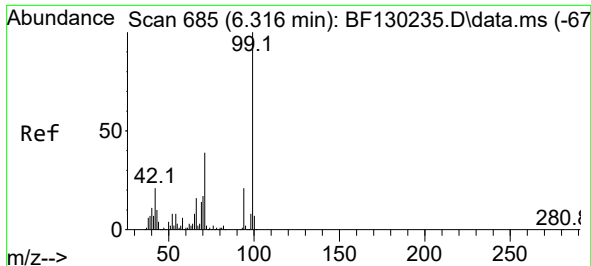
Tgt Ion:152 Resp: 122752
 Ion Ratio Lower Upper
 152 100
 150 159.3 122.8 184.2
 115 67.5 53.8 80.8



#5
 2-Fluorophenol
 Concen: 6.005 ng
 RT: 5.234 min Scan# 535
 Delta R.T. -0.012 min
 Lab File: BF130478.D
 Acq: 29 Sep 2022 21:31

Tgt Ion:112 Resp: 42499
 Ion Ratio Lower Upper
 112 100
 64 57.9 51.4 77.0
 63 32.3 28.8 43.2

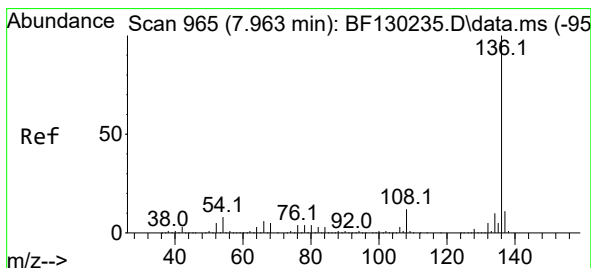
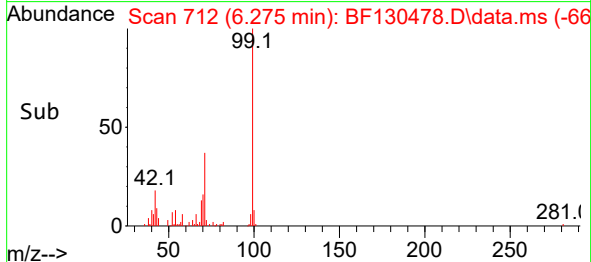
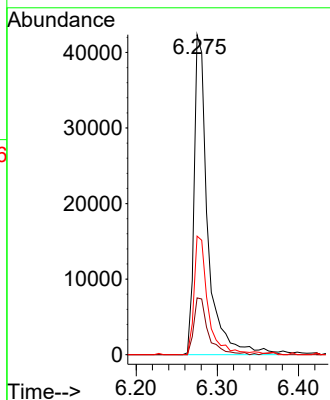
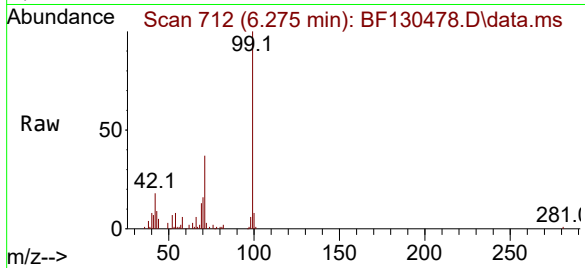




#7
Phenol-d6
Concen: 5.613 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

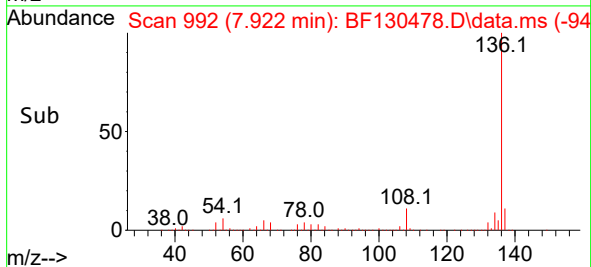
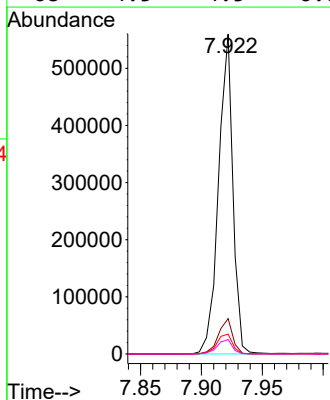
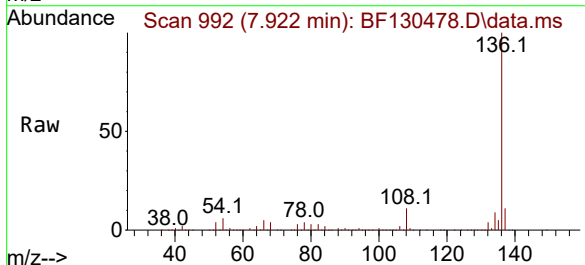
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BNA_F
ClientSampleId :
OR-02-092722DL

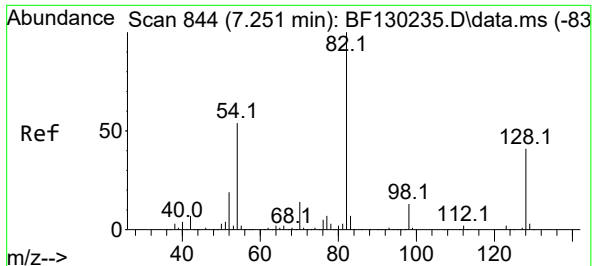
Tgt Ion: 99 Resp: 49707
Ion Ratio Lower Upper
99 100
42 17.8 17.0 25.6
71 37.1 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.922 min Scan# 992
Delta R.T. -0.006 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

Tgt Ion: 136 Resp: 460256
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.2 7.1 10.7#
68 4.5 4.5 6.7





#23

Nitrobenzene-d5

Concen: 3.473 ng

RT: 7.198 min Scan# 869

Delta R.T. -0.018 min

Lab File: BF130478.D

Acq: 29 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

OR-02-092722DL

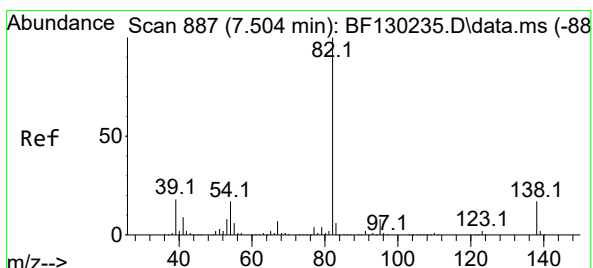
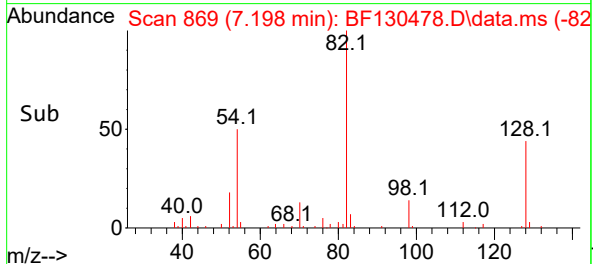
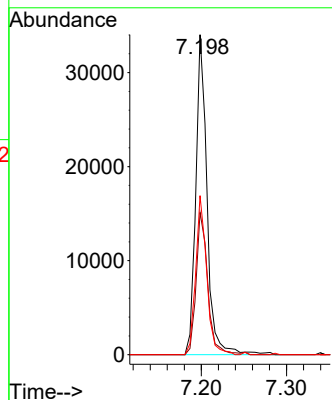
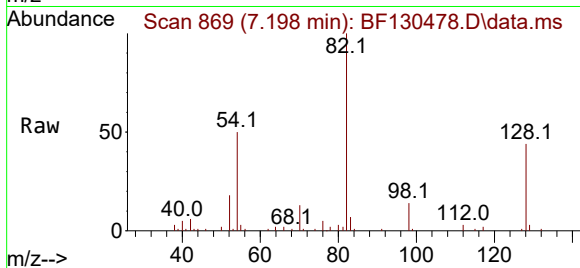
Tgt Ion: 82 Resp: 31290

Ion Ratio Lower Upper

82 100

128 44.5 32.6 49.0

54 49.7 43.8 65.6



#25

Isophorone

Concen: 2.155 ng

RT: 7.198 min Scan# 869

Delta R.T. -0.276 min

Lab File: BF130478.D

Acq: 29 Sep 2022 21:31

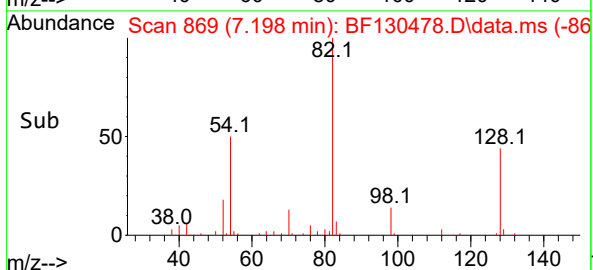
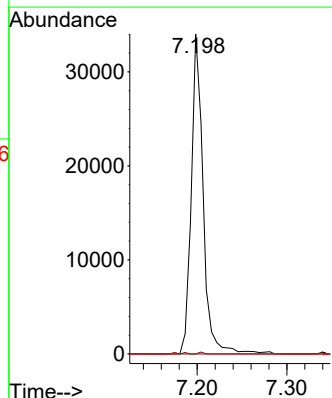
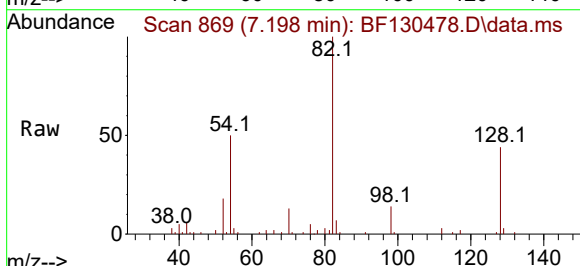
Tgt Ion: 82 Resp: 31289

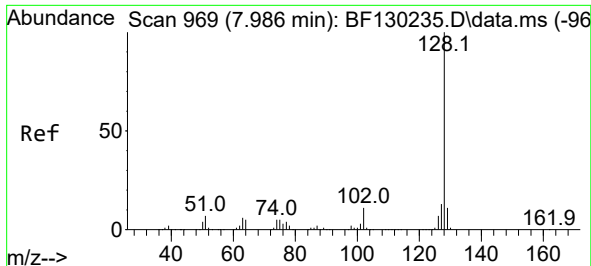
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 13.8 20.6#

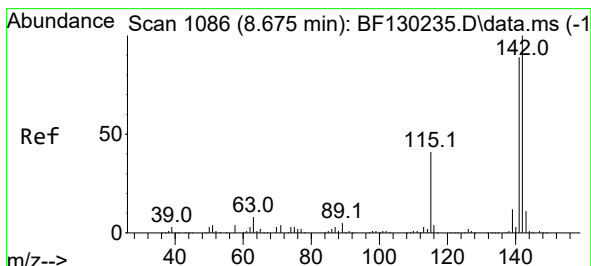
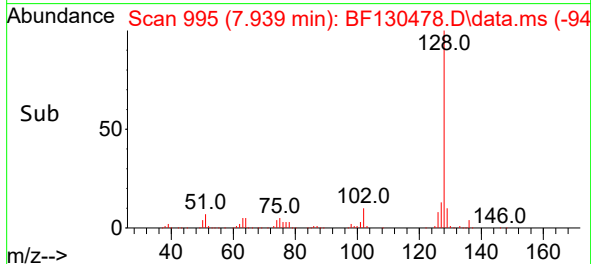
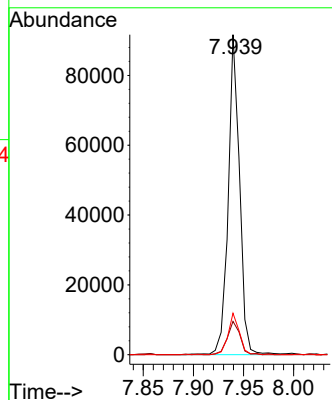
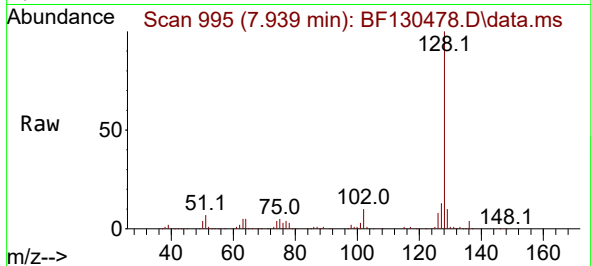




#31
Naphthalene
Concen: 3.030 ng
RT: 7.939 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

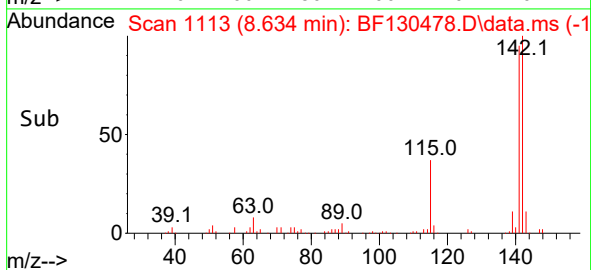
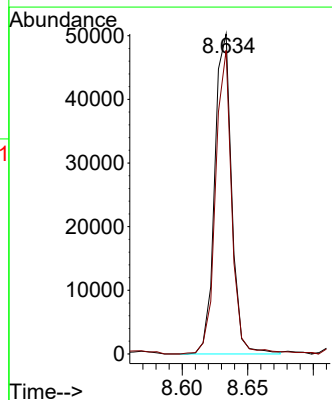
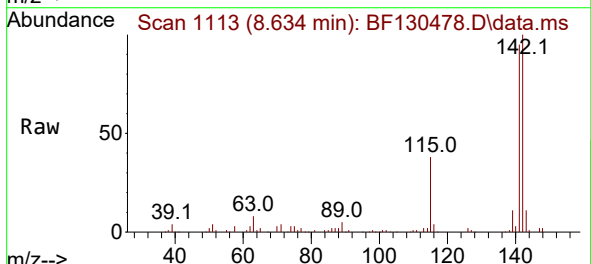
Instrument :
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ClientSampleId :
OR-02-092722DL

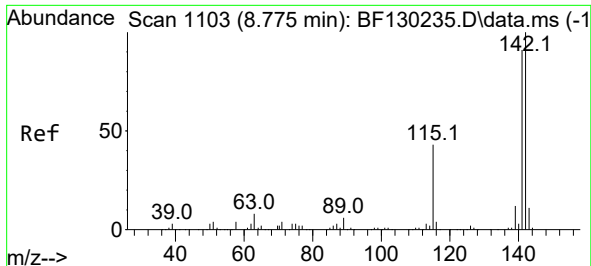
Tgt Ion:128 Resp: 71850
Ion Ratio Lower Upper
128 100
129 10.4 9.1 13.7
127 12.9 10.6 16.0



#37
2-Methylnaphthalene
Concen: 2.993 ng
RT: 8.634 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

Tgt Ion:142 Resp: 45254
Ion Ratio Lower Upper
142 100
141 94.9 70.0 105.0





#38

1-Methylnaphthalene

Concen: 3.326 ng

RT: 8.728 min Scan# 1103

Delta R.T. -0.012 min

Lab File: BF130478.D

Acq: 29 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

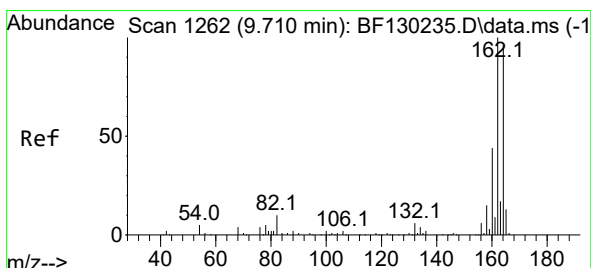
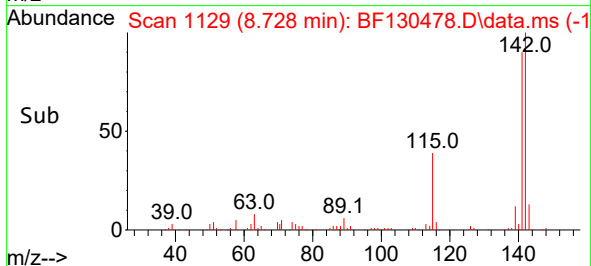
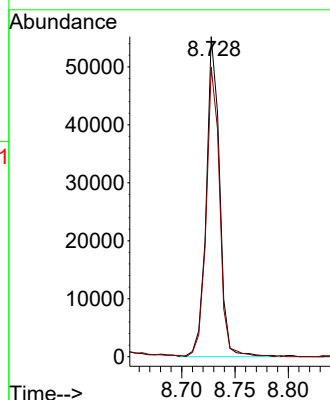
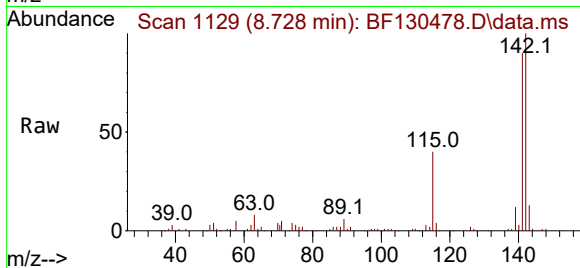
OR-02-092722DL

Tgt Ion:142 Resp: 48308

Ion Ratio Lower Upper

142 100

141 90.4 73.8 110.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.669 min Scan# 1289

Delta R.T. -0.012 min

Lab File: BF130478.D

Acq: 29 Sep 2022 21:31

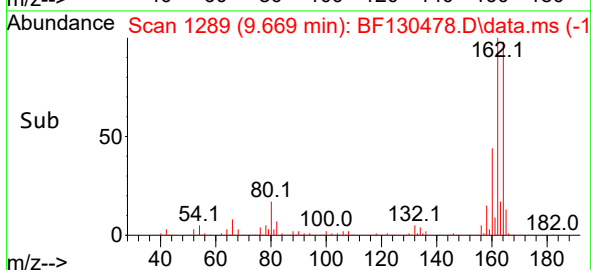
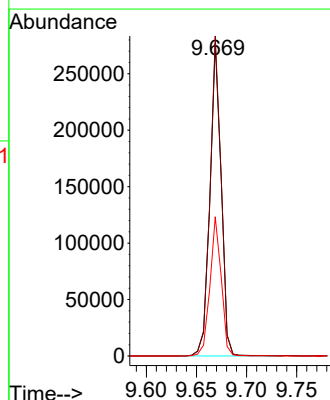
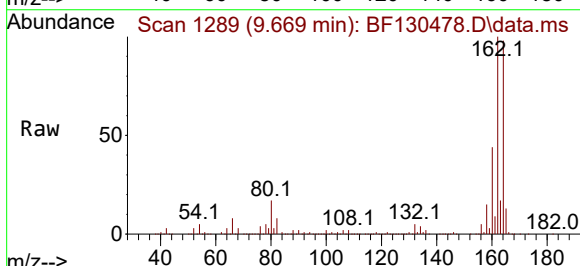
Tgt Ion:164 Resp: 216522

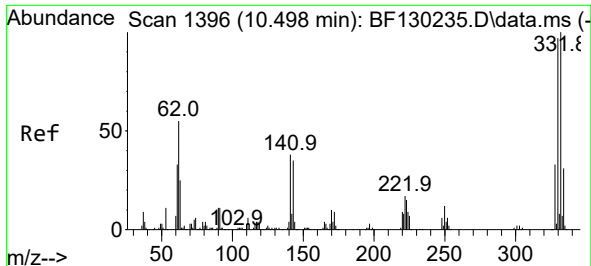
Ion Ratio Lower Upper

164 100

162 102.3 81.4 122.0

160 44.5 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 5.143 ng

RT: 10.457 min Scan# 1423

Delta R.T. -0.012 min

Lab File: BF130478.D

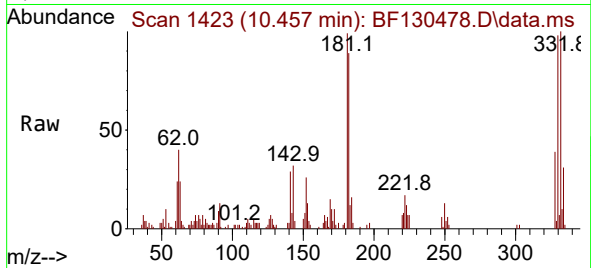
Acq: 29 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

OR-02-092722DL



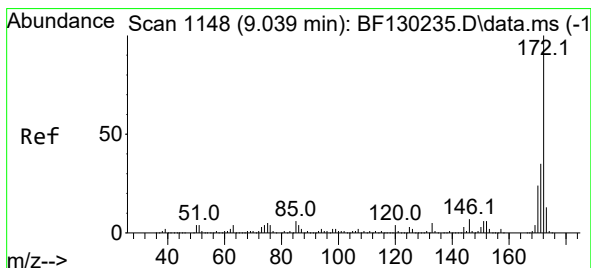
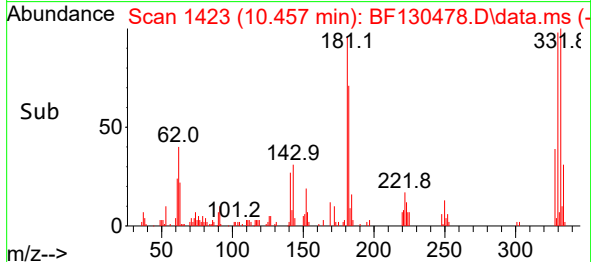
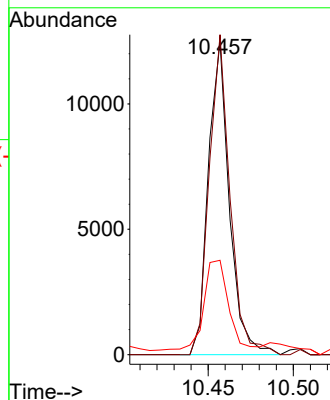
Tgt Ion:330 Resp: 10670

Ion Ratio Lower Upper

330 100

332 101.7 83.4 125.2

141 36.5 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 4.260 ng

RT: 8.992 min Scan# 1174

Delta R.T. -0.018 min

Lab File: BF130478.D

Acq: 29 Sep 2022 21:31

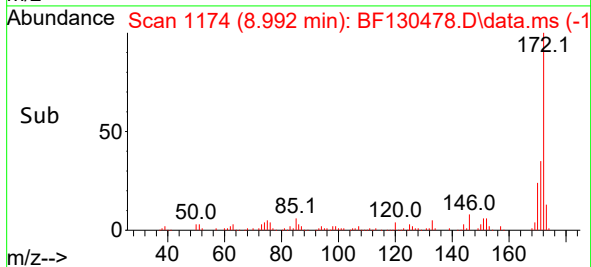
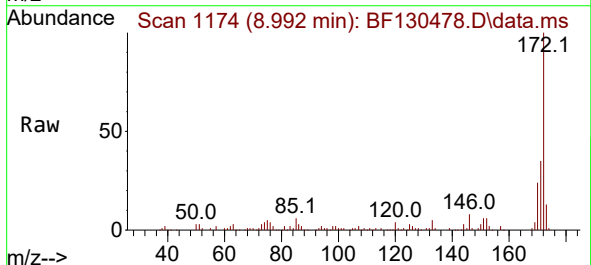
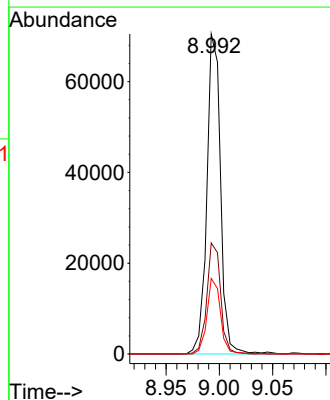
Tgt Ion:172 Resp: 63337

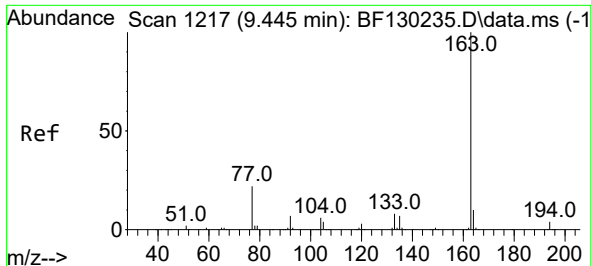
Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 23.6 18.7 28.1

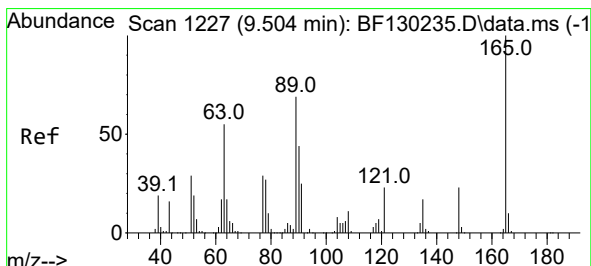
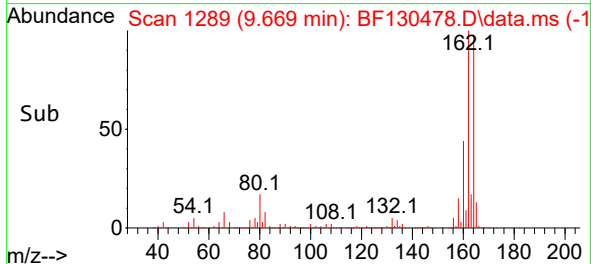
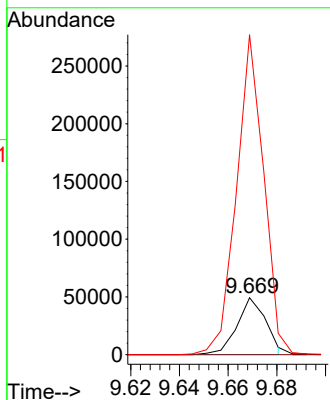
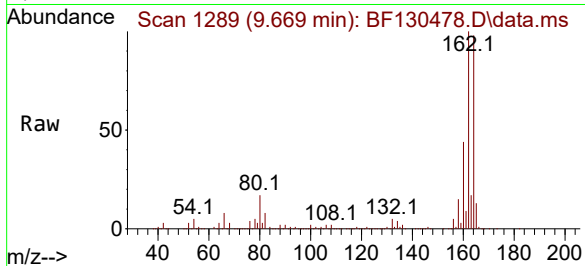




#50
Dimethylphthalate
Concen: 2.728 ng
RT: 9.669 min Scan# 1289
Delta R.T. 0.253 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

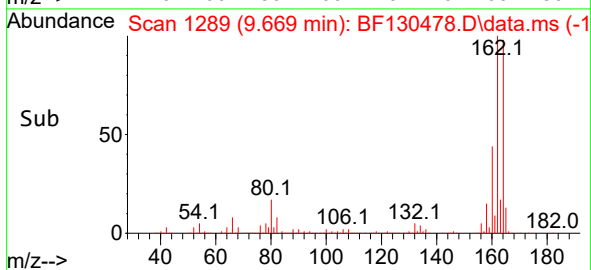
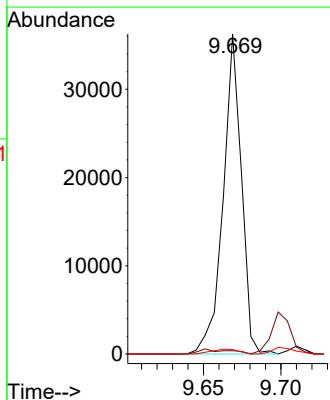
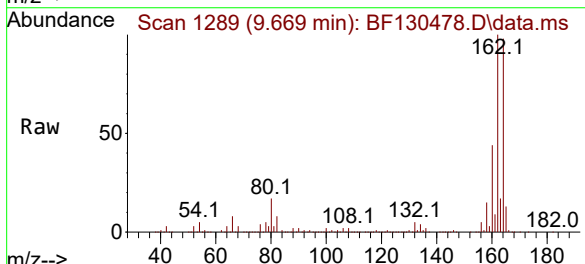
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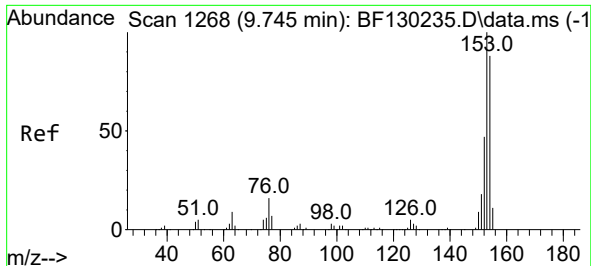
Tgt Ion:163 Resp: 40797
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 562.4 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 9.482 ng
RT: 9.669 min Scan# 1289
Delta R.T. 0.194 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

Tgt Ion:165 Resp: 29659
Ion Ratio Lower Upper
165 100
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89 1.4 54.5 81.7#

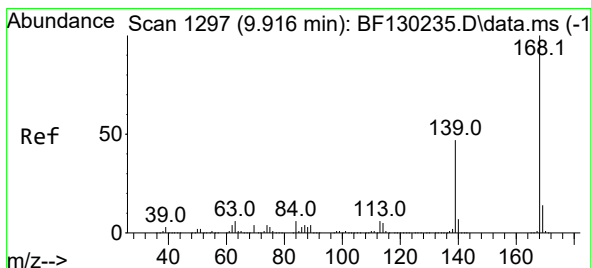
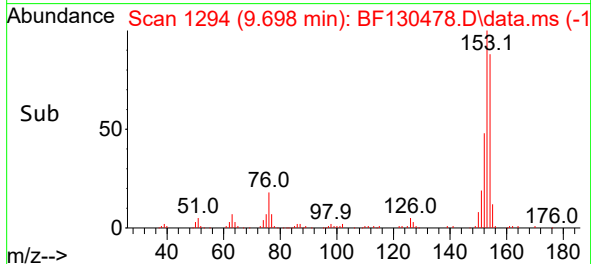
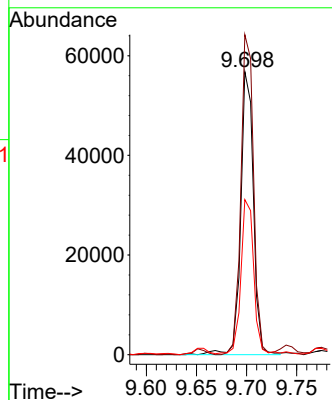
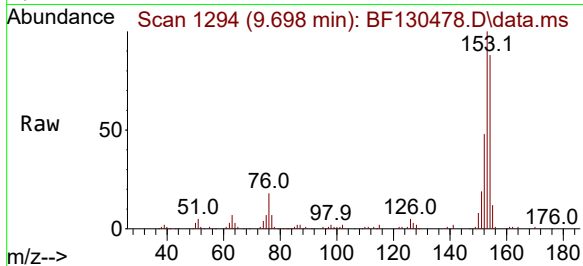




#52
Acenaphthene
Concen: 3.884 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

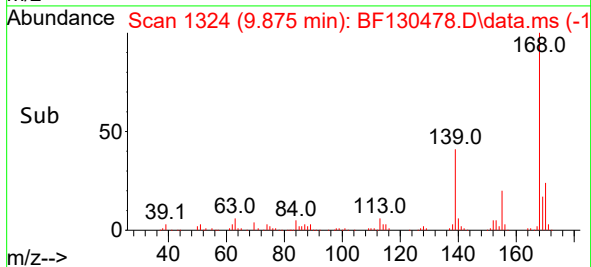
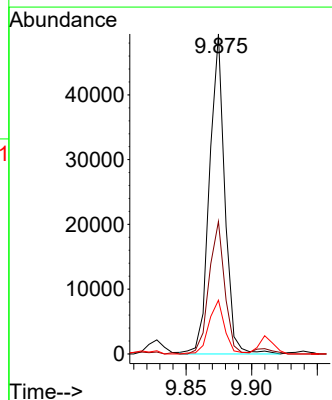
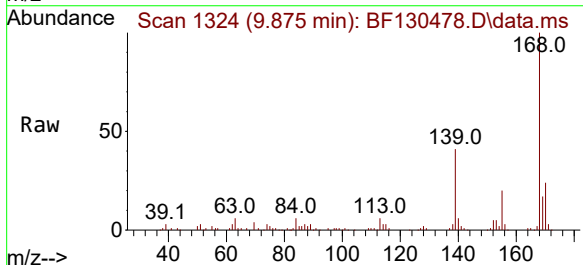
Instrument :
BNA_F
ClientSampleId :
OR-02-092722DL

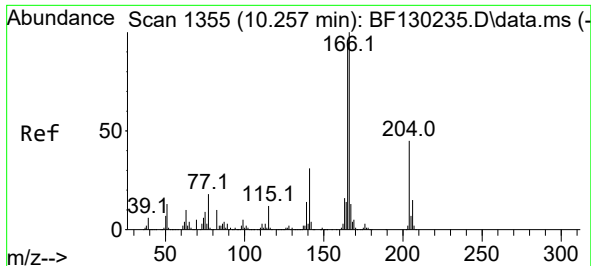
Tgt Ion:154 Resp: 50053
Ion Ratio Lower Upper
154 100
153 113.1 90.6 136.0
152 54.8 43.8 65.6



#55
Dibenzofuran
Concen: 2.238 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

Tgt Ion:168 Resp: 40107
Ion Ratio Lower Upper
168 100
139 41.4 35.0 52.4
169 16.8 10.9 16.3#

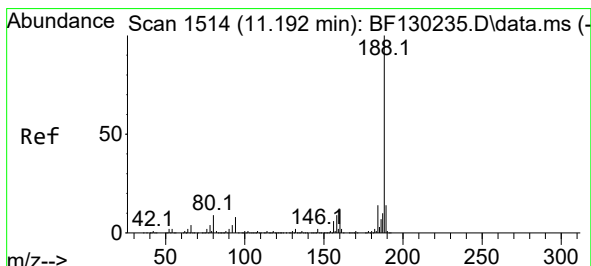
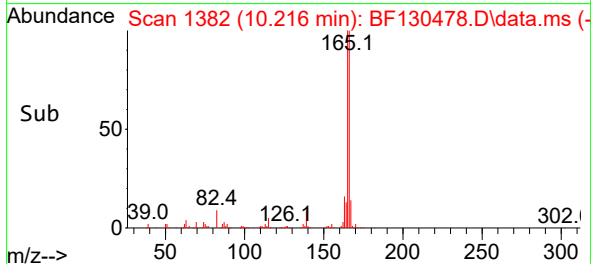
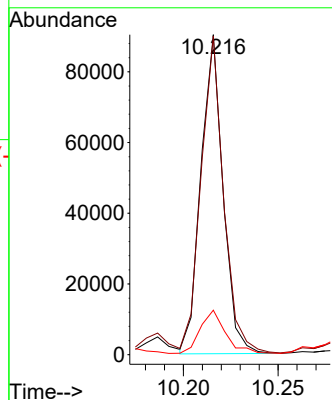
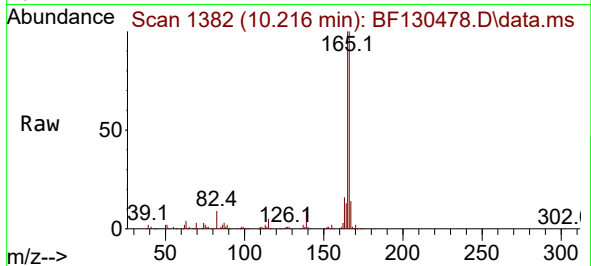




#58
Fluorene
Concen: 5.023 ng
RT: 10.216 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

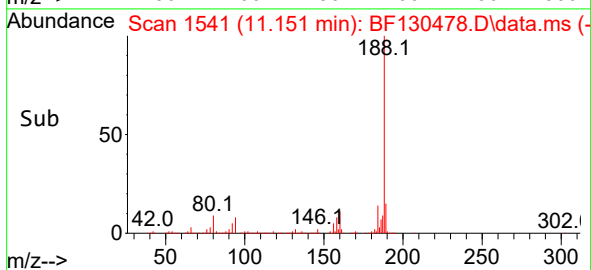
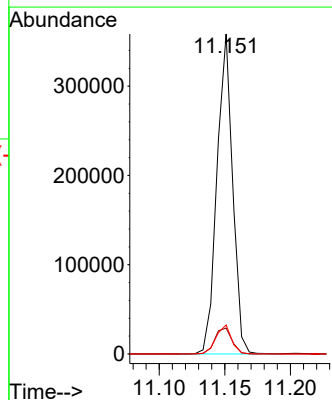
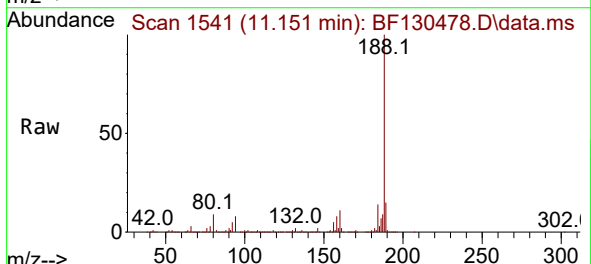
Instrument :
BNA_F
ClientSampleId :
OR-02-092722DL

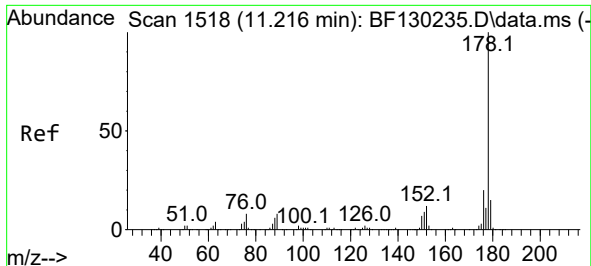
Tgt Ion:166 Resp: 73627
Ion Ratio Lower Upper
166 100
165 99.6 78.8 118.2
167 13.9 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.151 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

Tgt Ion:188 Resp: 297750
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 9.0 7.9 11.9

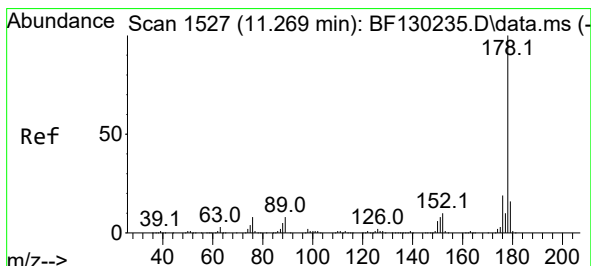
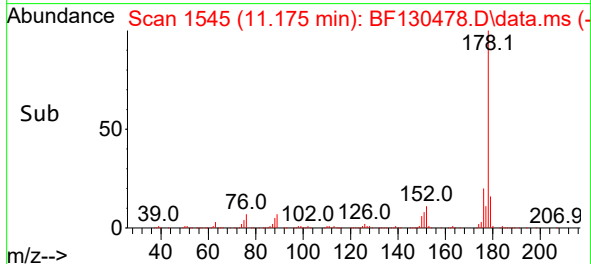
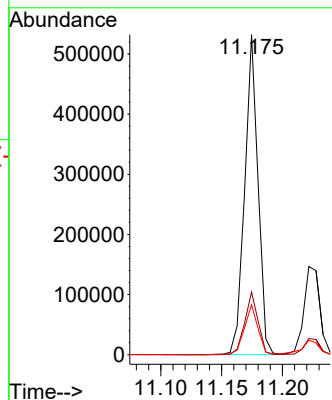
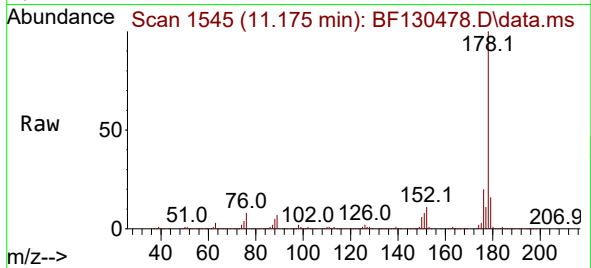




#71
Phenanthrene
Concen: 24.126 ng
RT: 11.175 min Scan# 1518
Delta R.T. -0.012 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

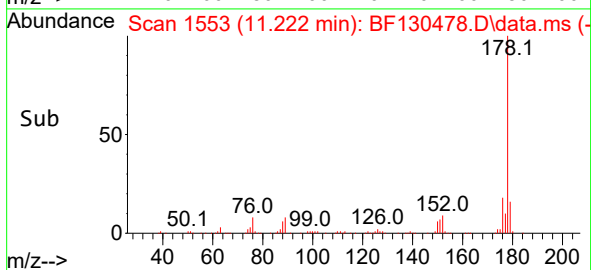
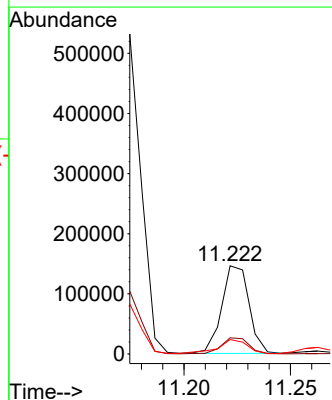
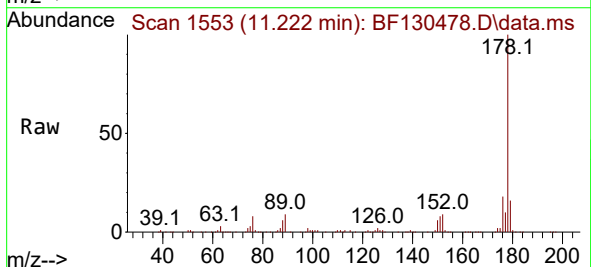
Instrument :
BNA_F
ClientSampleId :
OR-02-092722DL

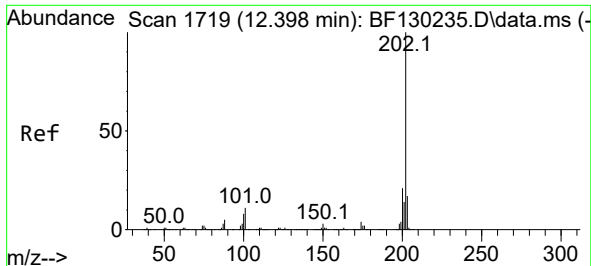
Tgt Ion:178 Resp: 403308
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.6 12.4 18.6



#72
Anthracene
Concen: 8.067 ng
RT: 11.222 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

Tgt Ion:178 Resp: 130142
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 16.3 12.7 19.1

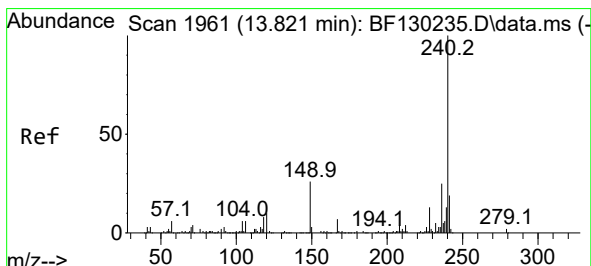
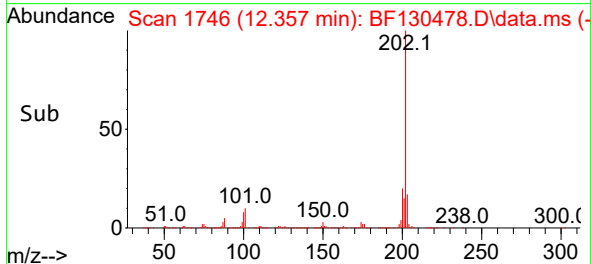
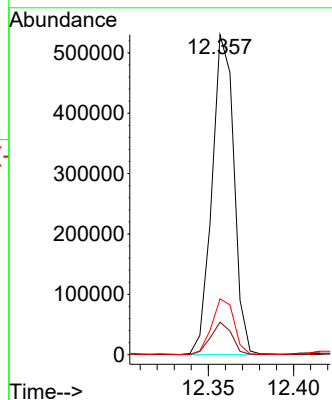
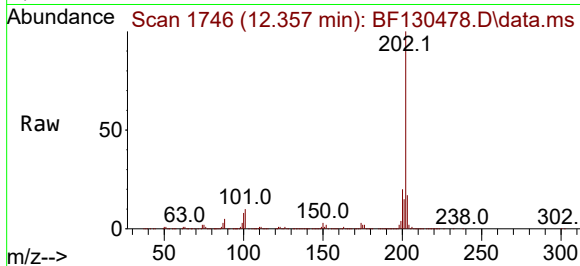




#75
Fluoranthene
Concen: 29.357 ng
RT: 12.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

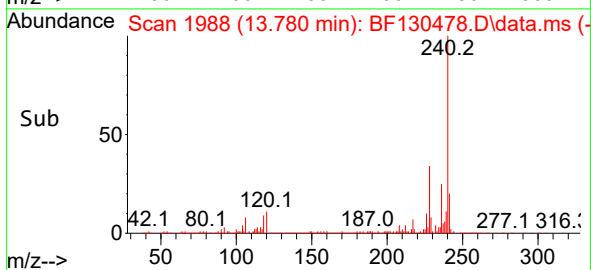
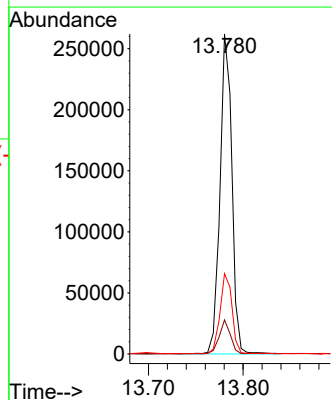
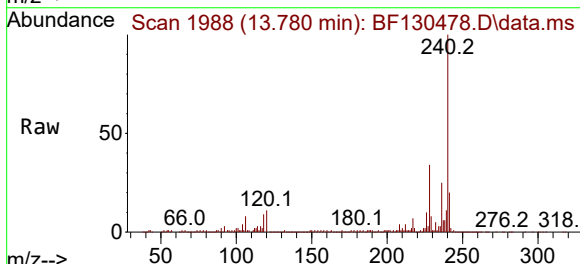
Instrument :
BNA_F
ClientSampleId :
OR-02-092722DL

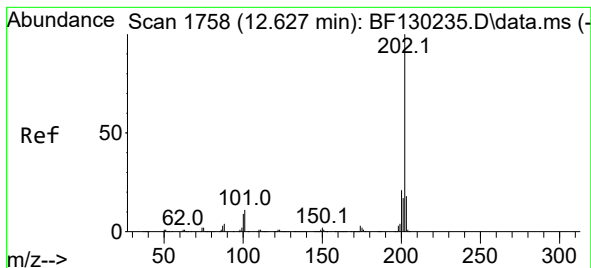
Tgt Ion:202 Resp: 474211
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.780 min Scan# 1988
Delta R.T. -0.012 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

Tgt Ion:240 Resp: 229833
Ion Ratio Lower Upper
240 100
120 10.7 8.7 13.1
236 25.1 20.9 31.3





#78

Pyrene

Concen: 21.525 ng

RT: 12.586 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130478.D

Acq: 29 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

OR-02-092722DL

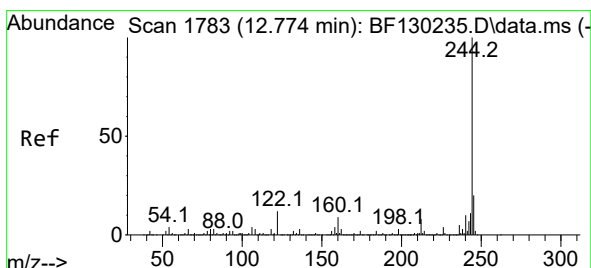
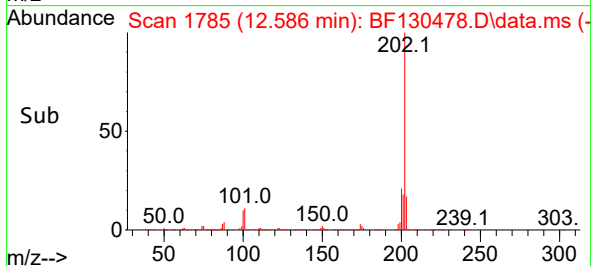
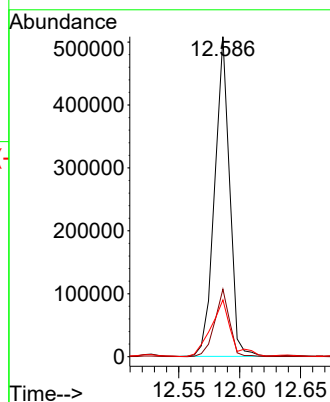
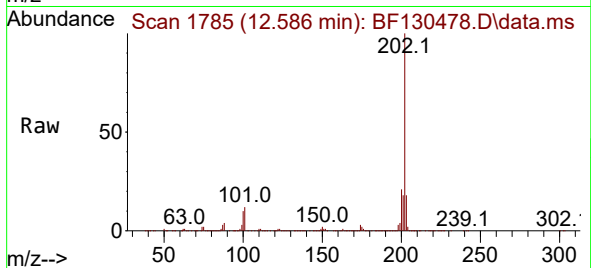
Tgt Ion:202 Resp: 432770

Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 17.7 14.3 21.5



#79

Terphenyl-d14

Concen: 3.263 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF130478.D

Acq: 29 Sep 2022 21:31

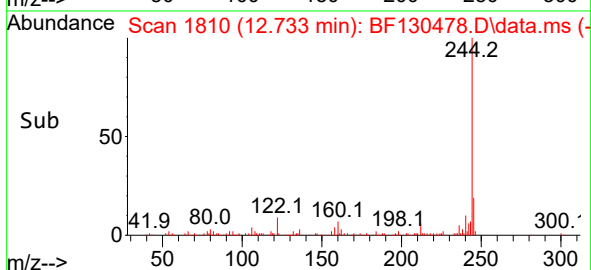
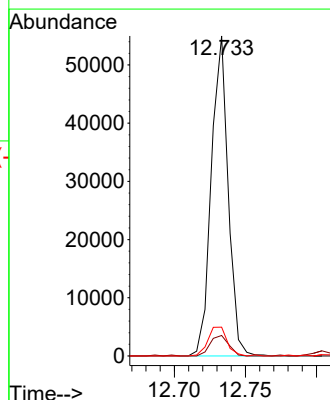
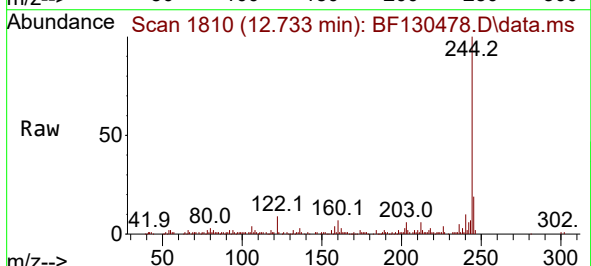
Tgt Ion:244 Resp: 45277

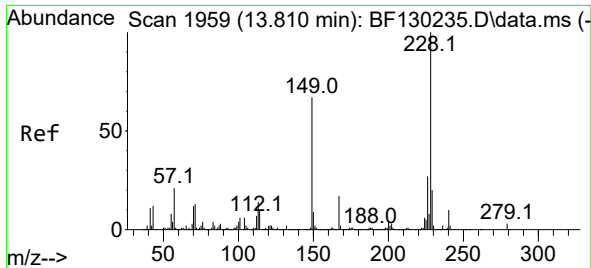
Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

122 9.0 8.5 12.7

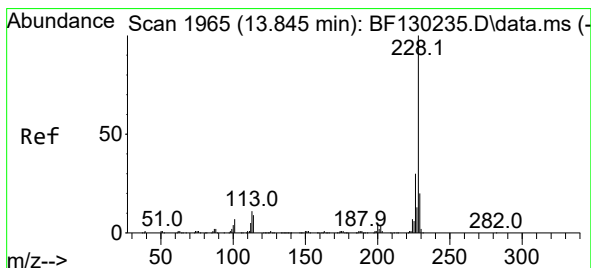
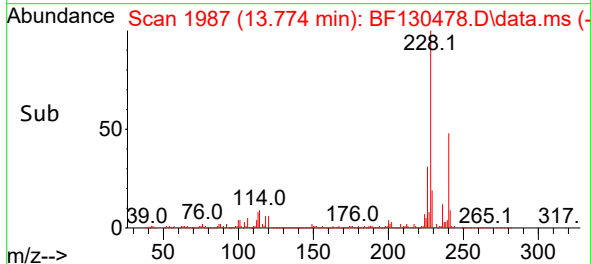
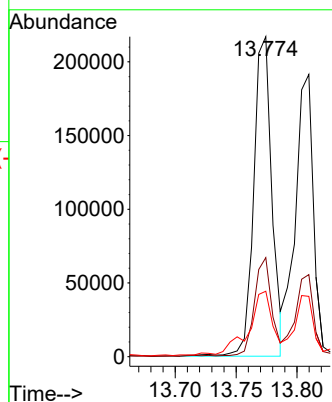
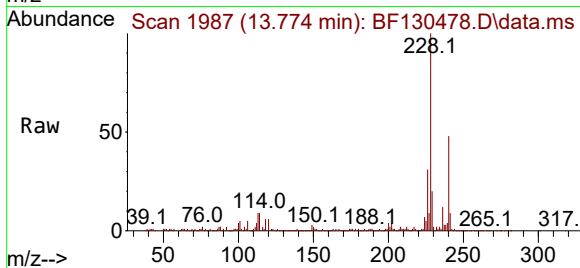




#81
Benzo(a)anthracene
Concen: 14.735 ng
RT: 13.774 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

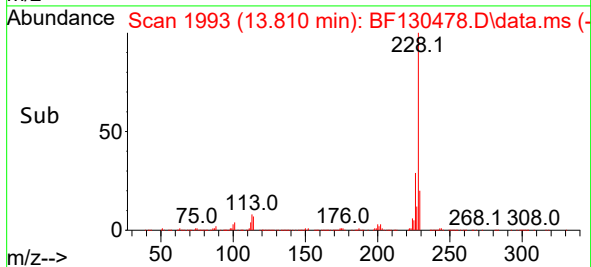
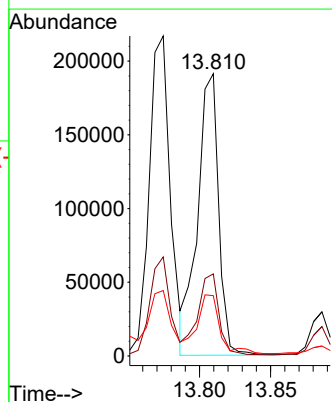
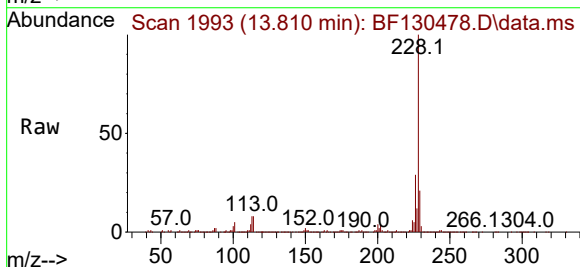
Instrument :
BNA_F
ClientSampleId :
OR-02-092722DL

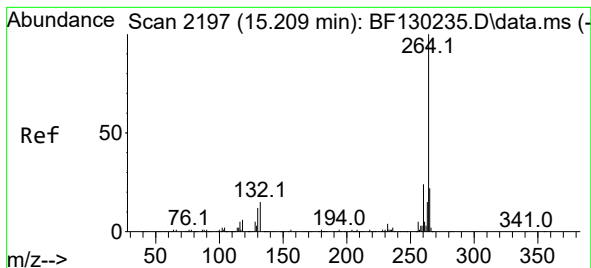
Tgt Ion:228 Resp: 225285
Ion Ratio Lower Upper
228 100
226 31.0 21.9 32.9
229 20.5 16.1 24.1



#83
Chrysene
Concen: 13.611 ng
RT: 13.810 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

Tgt Ion:228 Resp: 197603
Ion Ratio Lower Upper
228 100
226 29.1 23.8 35.8
229 21.4 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.174 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF130478.D

Acq: 29 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

OR-02-092722DL

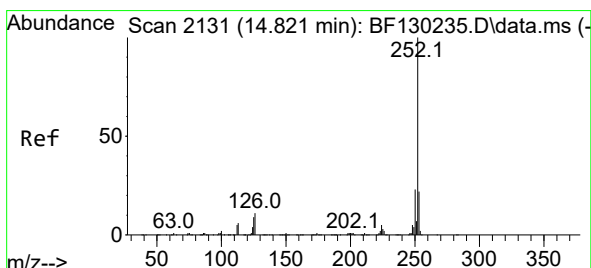
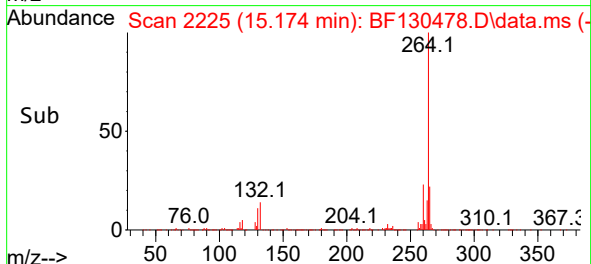
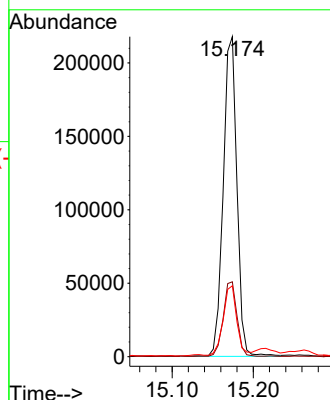
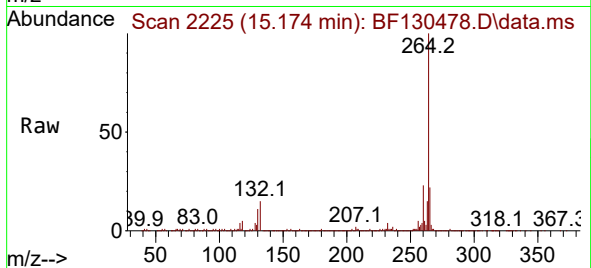
Tgt Ion:264 Resp: 255138

Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 22.2 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 21.353 ng

RT: 14.786 min Scan# 2159

Delta R.T. 0.000 min

Lab File: BF130478.D

Acq: 29 Sep 2022 21:31

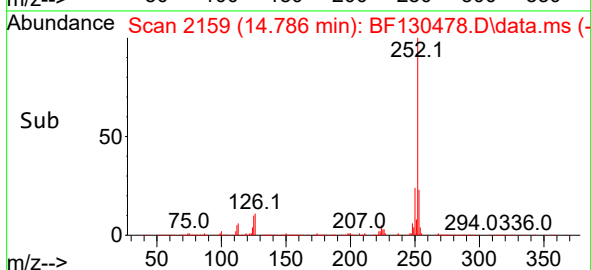
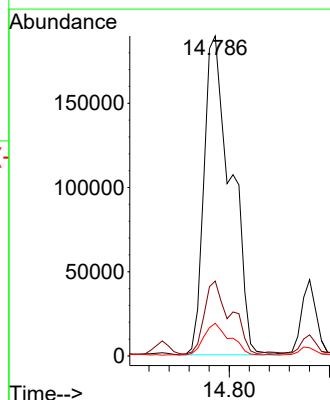
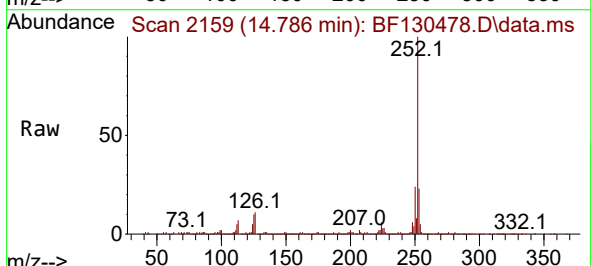
Tgt Ion:252 Resp: 355593

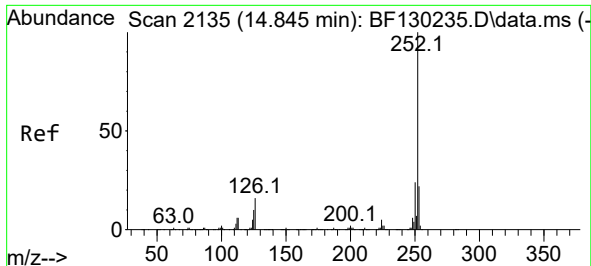
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 10.2 8.1 12.1

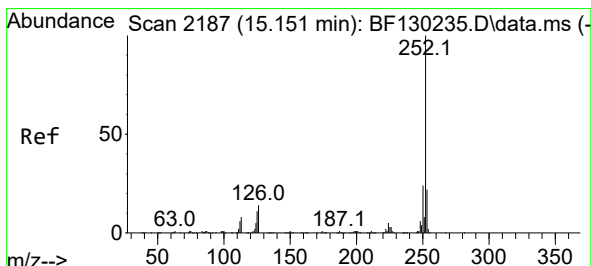
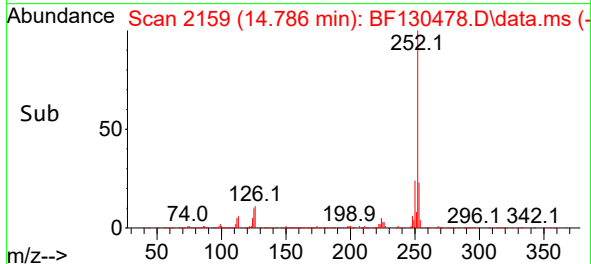
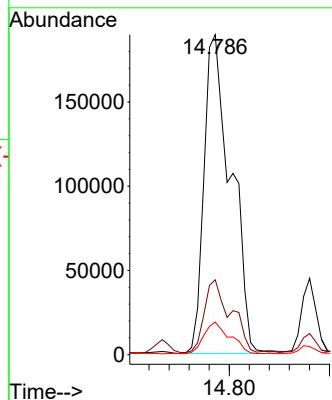
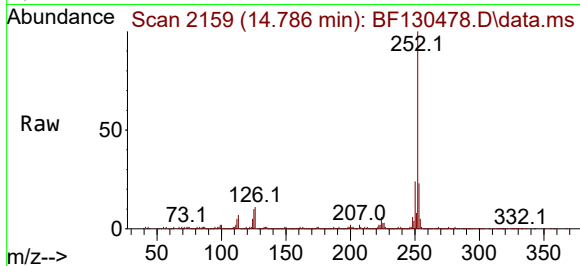




#89
Benzo(k)fluoranthene
Concen: 21.707 ng
RT: 14.786 min Scan# 2135
Delta R.T. -0.029 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

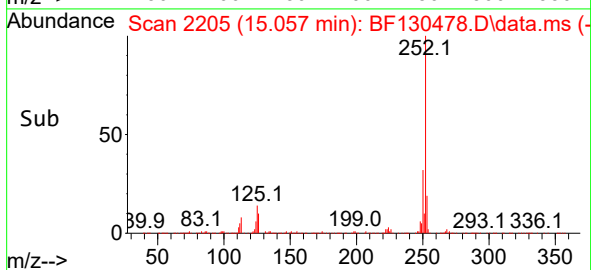
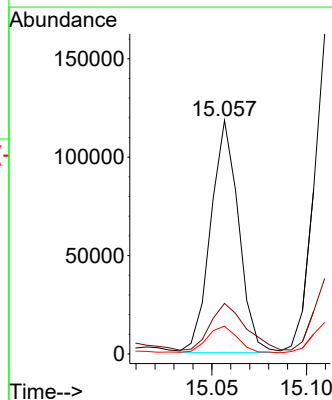
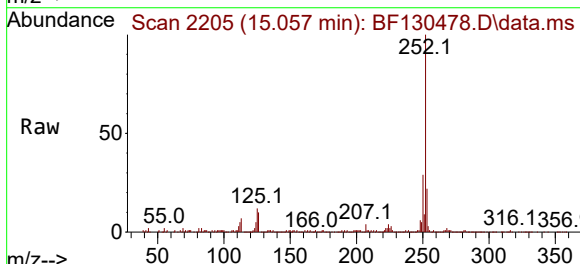
Instrument :
BNA_F
ClientSampleId :
OR-02-092722DL

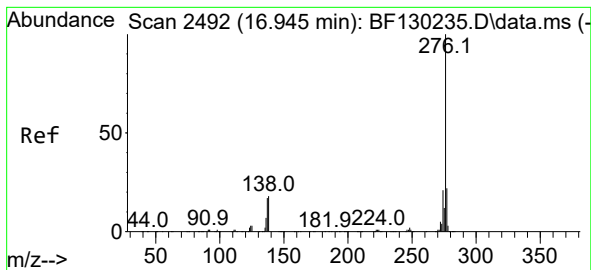
Tgt Ion:252 Resp: 355593
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 10.2 7.9 11.9



#90
Benzo(a)pyrene
Concen: 9.195 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.059 min
Lab File: BF130478.D
Acq: 29 Sep 2022 21:31

Tgt Ion:252 Resp: 121315
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 12.0 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 6.673 ng

RT: 16.880 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF130478.D

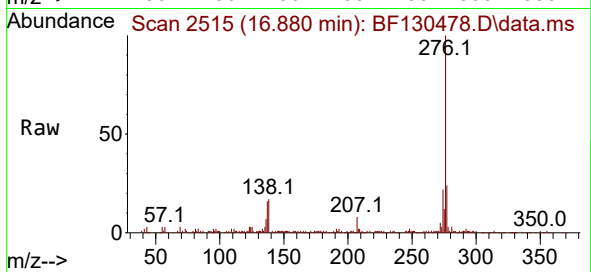
Acq: 29 Sep 2022 21:31

Instrument :

BNA_F

ClientSampleId :

OR-02-092722DL



Tgt Ion:276 Resp: 99775

Ion Ratio Lower Upper

276 100

277 23.8 18.6 27.8

138 16.8 14.6 21.8

