

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
 Data File : BF135363.D
 Acq On : 20 Sep 2023 18:11
 Operator : CG\JU
 Sample : 04479-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1028

Quant Time: Sep 21 01:52:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

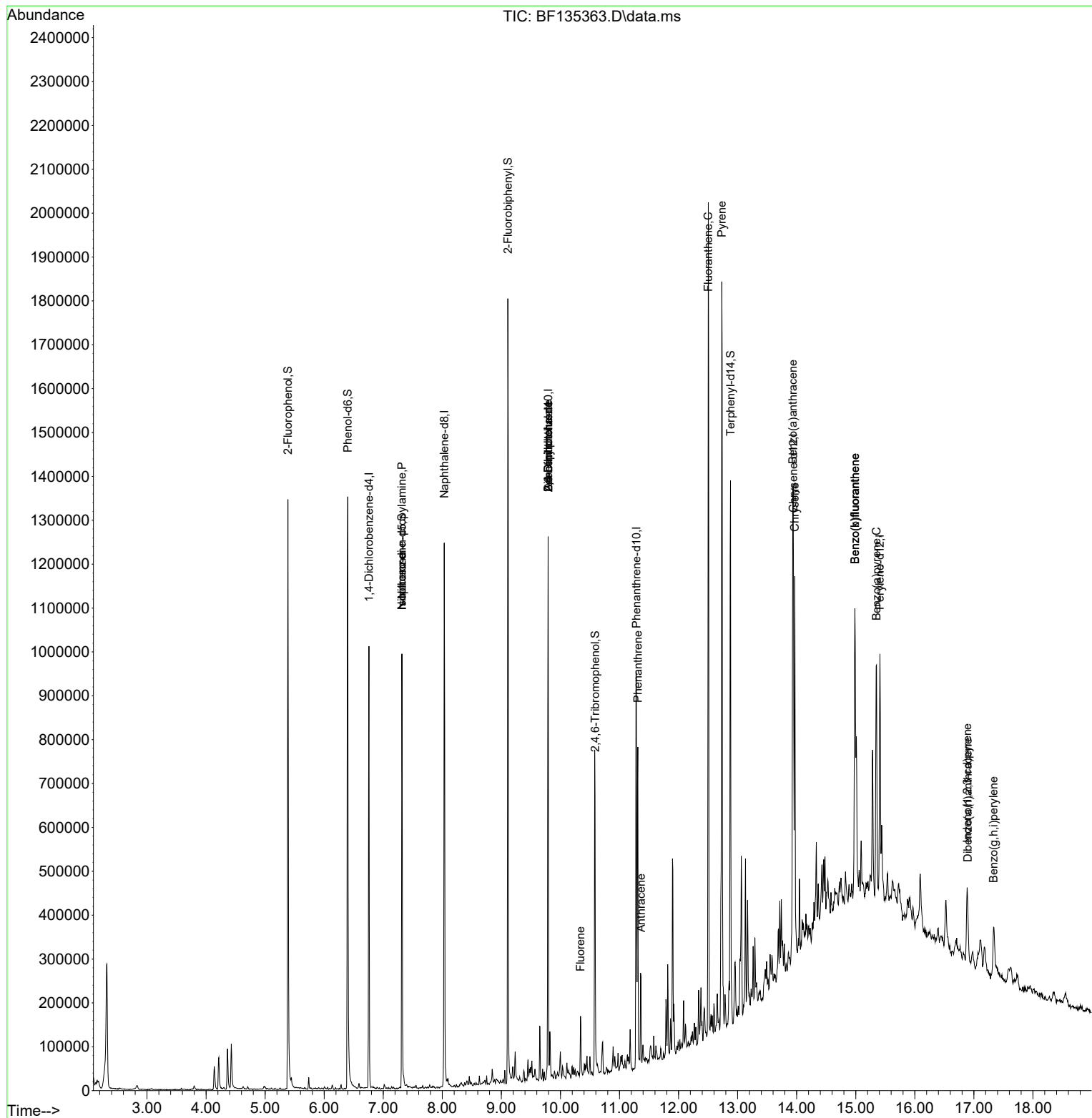
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	136573	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	503011	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	229804	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	362247	20.000	ng	0.00
76) Chrysene-d12	13.945	240	249586	20.000	ng	0.00
86) Perylene-d12	15.410	264	256055	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	361746	43.080	ng	0.00
7) Phenol-d6	6.398	99	464323	43.487	ng	0.00
23) Nitrobenzene-d5	7.316	82	281678	30.424	ng	-0.02
42) 2,4,6-Tribromophenol	10.586	330	82684	36.206	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	564580	37.066	ng	-0.02
79) Terphenyl-d14	12.880	244	439911	27.323	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.316	70	37536	5.676	ng	# 79
25) Isophorone	7.316	82	281675	16.568	ng	# 65
50) Dimethylphthalate	9.792	163	45181	2.908	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	30838	9.060	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	30838	7.237	ng	# 19
58) Fluorene	10.339	166	41748	2.829	ng	98
71) Phenanthrene	11.310	178	269819	15.749	ng	99
72) Anthracene	11.363	178	85666	4.864	ng	98
75) Fluoranthene	12.504	202	758987	42.515	ng	97
78) Pyrene	12.733	202	755447	31.792	ng	100
81) Benzo(a)anthracene	13.933	228	358271	22.230	ng	96
83) Chrysene	13.968	228	307947	19.219	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	111018	6.613	ng	98
88) Benzo(b)fluoranthene	14.986	252	519554	37.483	ng	# 95
89) Benzo(k)fluoranthene	14.986	252	519554	37.945	ng	# 95
90) Benzo(a)pyrene	15.351	252	263592	19.941	ng	99
91) Dibenzo(a,h)anthracene	16.898	278	29242	2.129	ng	# 83
92) Benzo(g,h,i)perylene	17.333	276	97839	6.820	ng	96

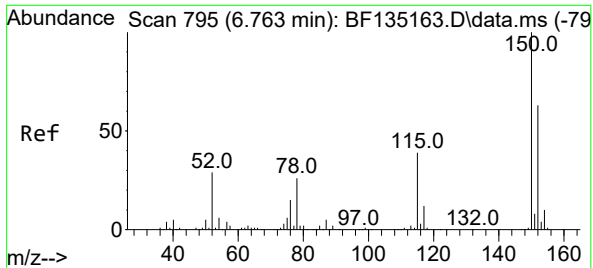
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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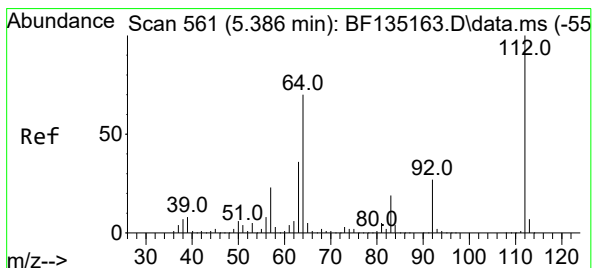
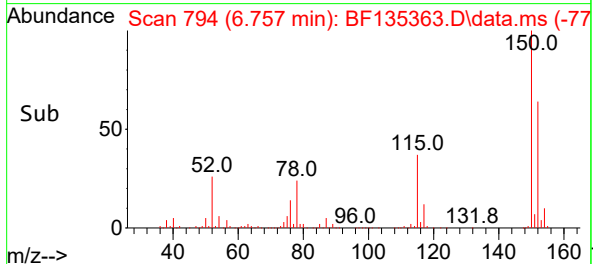
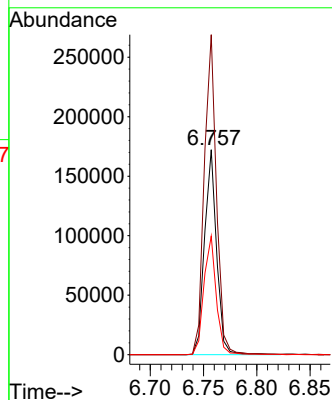
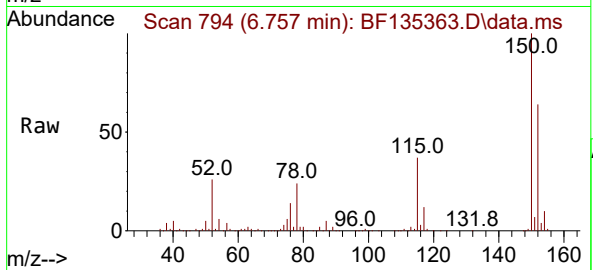




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

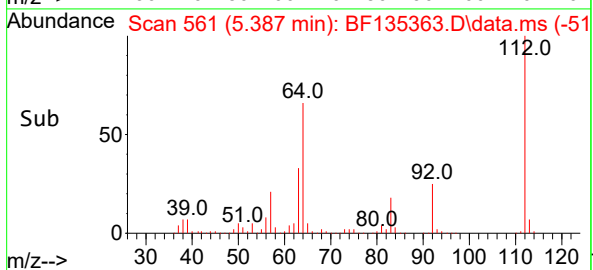
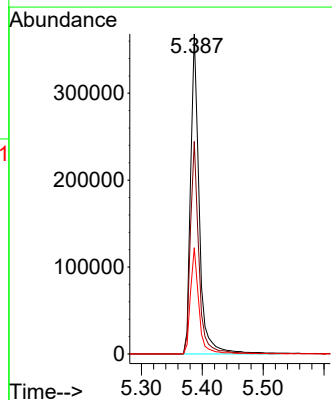
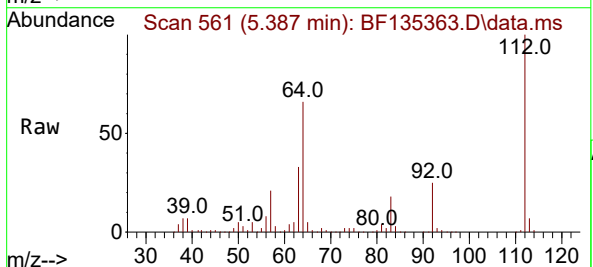
Instrument :
BNA_F
ClientSampleId :
1028

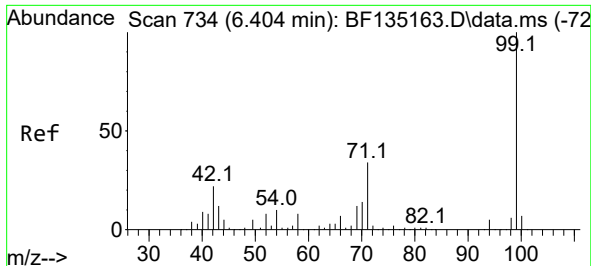
Tgt Ion:152 Resp: 136573
Ion Ratio Lower Upper
152 100
150 156.2 127.8 191.6
115 57.9 49.8 74.8



#5
2-Fluorophenol
Concen: 43.080 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

Tgt Ion:112 Resp: 361746
Ion Ratio Lower Upper
112 100
64 66.4 55.9 83.9
63 33.2 29.0 43.6

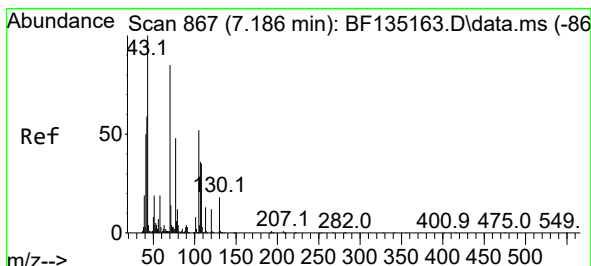
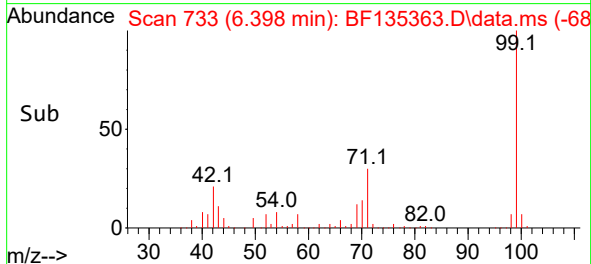
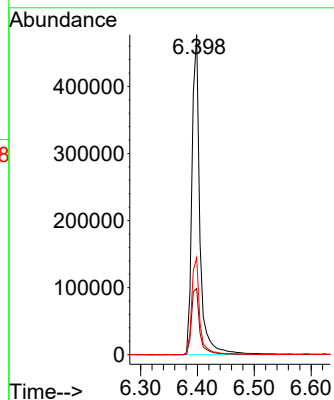
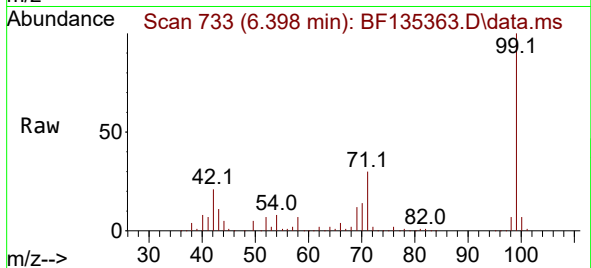




#7
Phenol-d6
Concen: 43.487 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

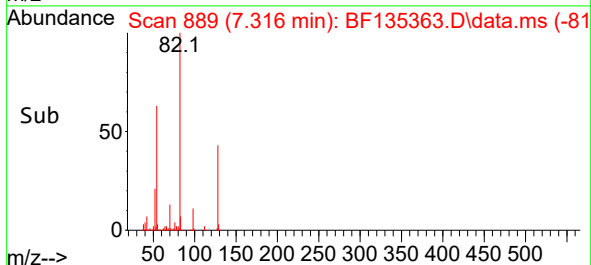
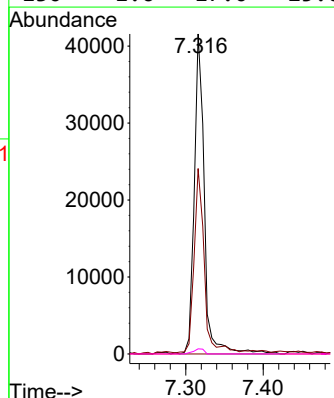
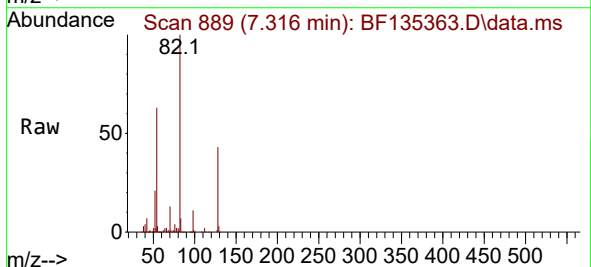
Instrument :
BNA_F
ClientSampleId :
1028

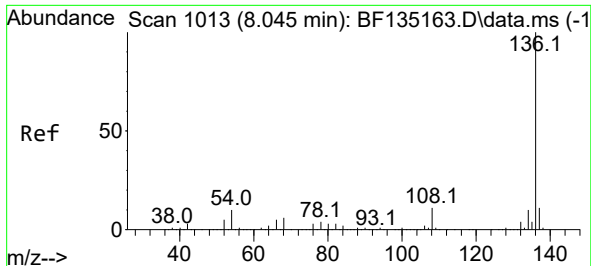
Tgt Ion: 99 Resp: 464323
Ion Ratio Lower Upper
99 100
42 20.6 17.9 26.9
71 30.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 5.676 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.130 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

Tgt Ion: 70 Resp: 37536
Ion Ratio Lower Upper
70 100
42 57.9 55.4 83.0
101 0.0 7.7 11.5#
130 1.6 17.0 25.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1011

Delta R.T. -0.012 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028

Tgt Ion:136 Resp: 503011

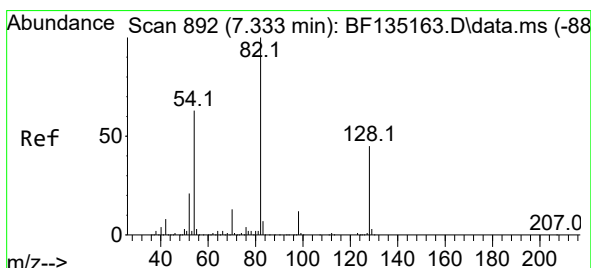
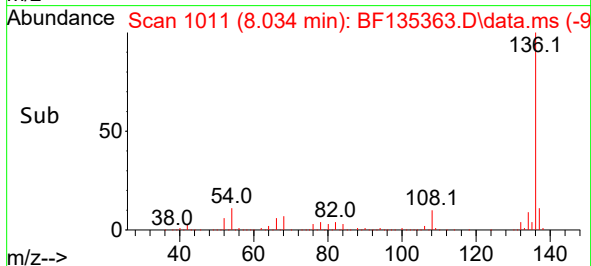
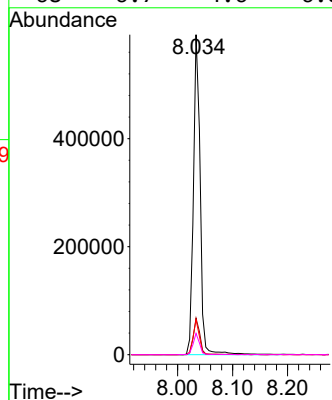
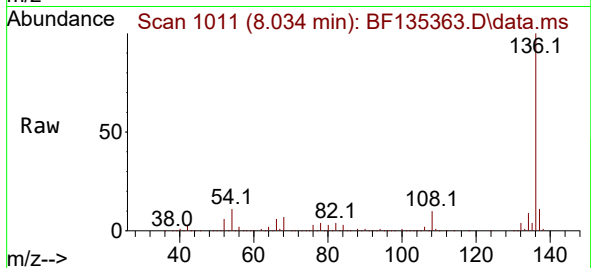
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 11.0 7.7 11.5

68 6.7 4.6 6.8



#23

Nitrobenzene-d5

Concen: 30.424 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.017 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

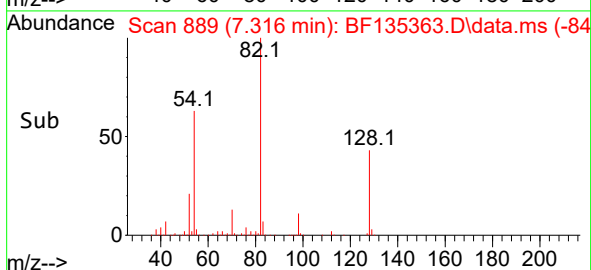
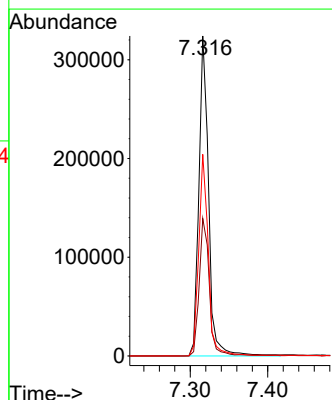
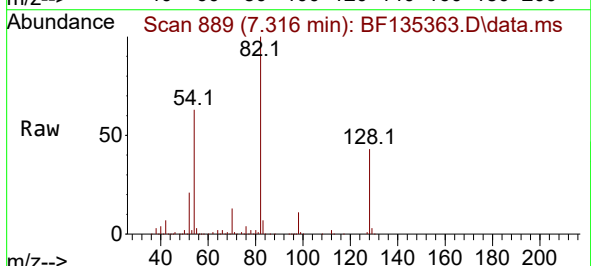
Tgt Ion: 82 Resp: 281678

Ion Ratio Lower Upper

82 100

128 43.0 35.8 53.6

54 63.0 50.6 76.0

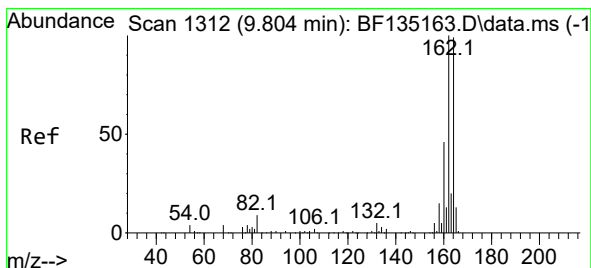
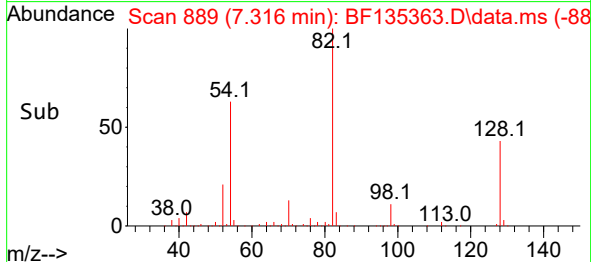
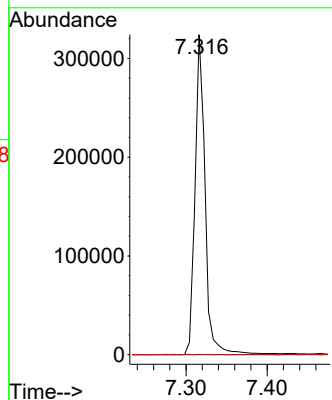
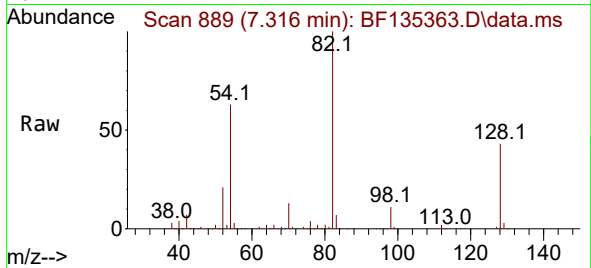




#25
Isophorone
Concen: 16.568 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

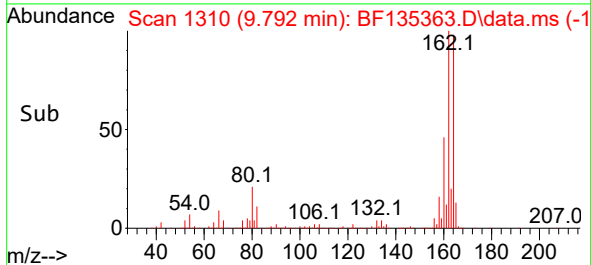
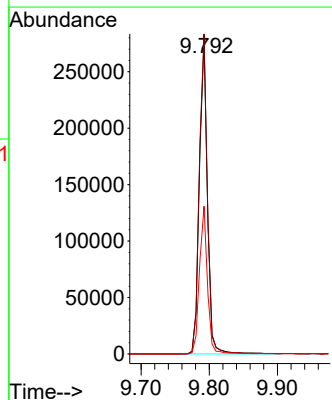
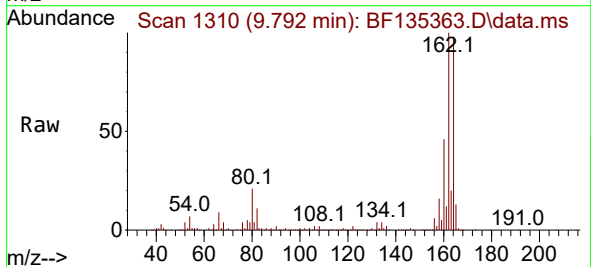
Instrument :
BNA_F
ClientSampleId :
1028

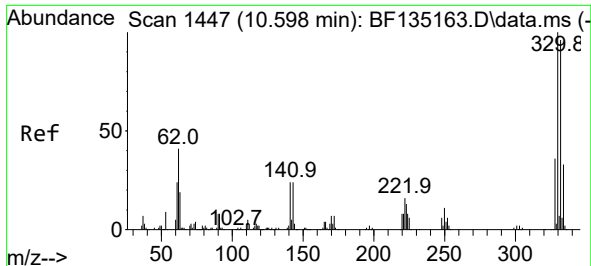
Tgt Ion: 82 Resp: 281675
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

Tgt Ion: 164 Resp: 229804
Ion Ratio Lower Upper
164 100
162 101.9 81.0 121.4
160 47.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 36.206 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028

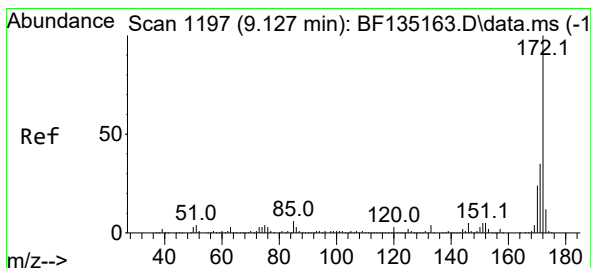
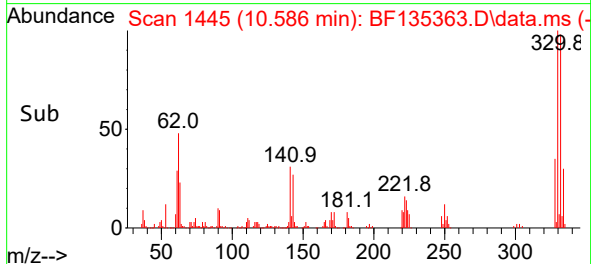
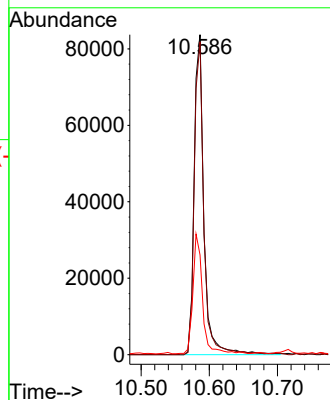
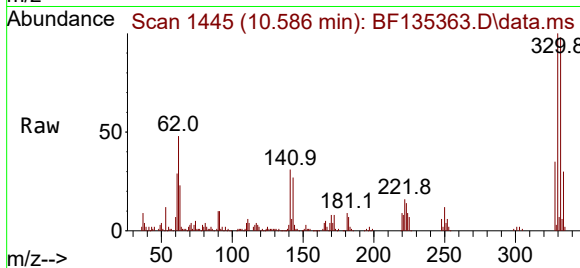
Tgt Ion:330 Resp: 82684

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

141 36.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 37.066 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.017 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

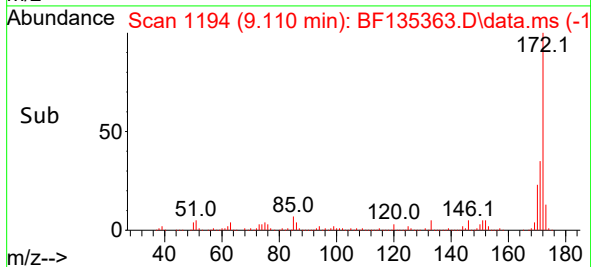
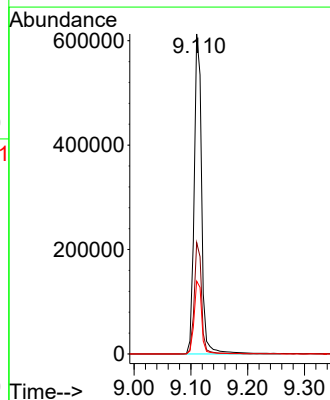
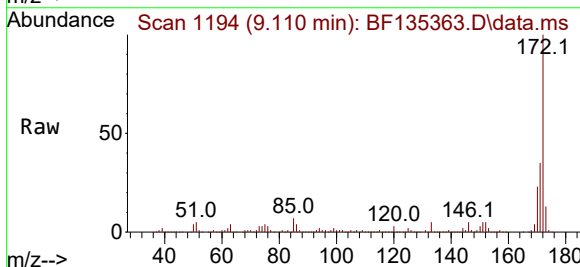
Tgt Ion:172 Resp: 564580

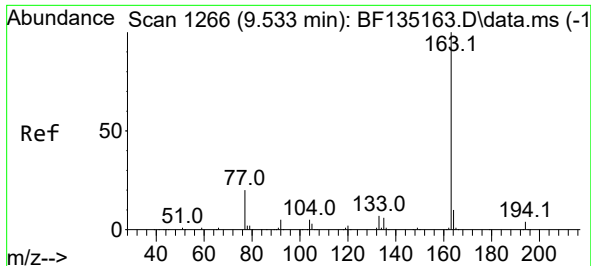
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 22.8 19.0 28.4

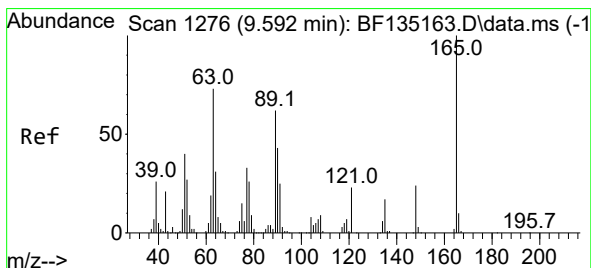
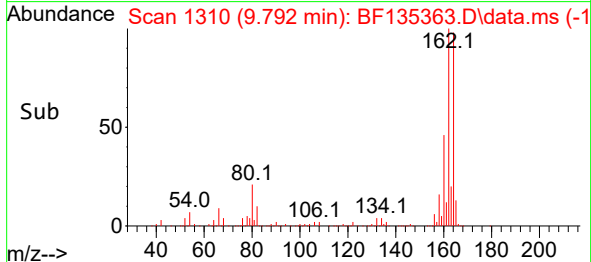
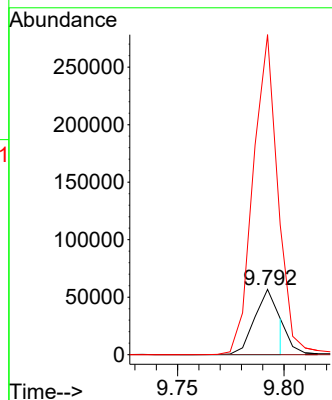
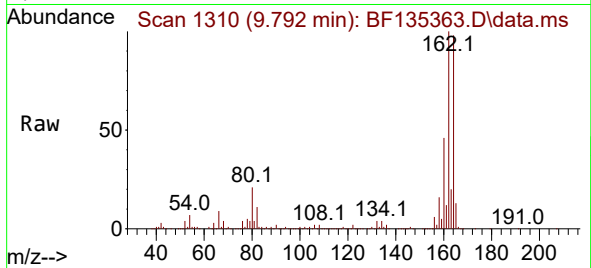




#50
Dimethylphthalate
Concen: 2.908 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

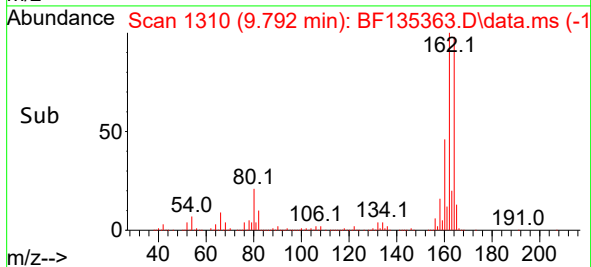
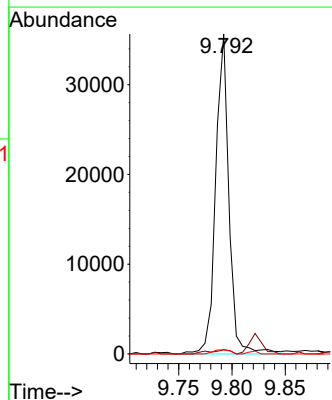
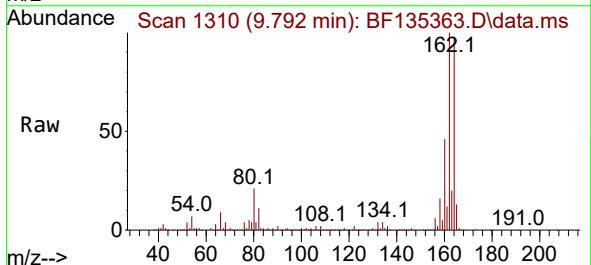
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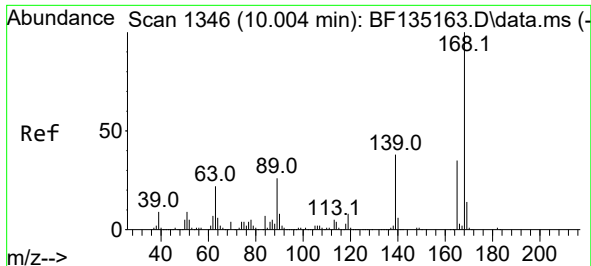
Tgt Ion:163 Resp: 45181
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 490.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.060 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

Tgt Ion:165 Resp: 30838
Ion Ratio Lower Upper
165 100
63 1.3 59.4 89.2#
89 1.2 49.8 74.8#

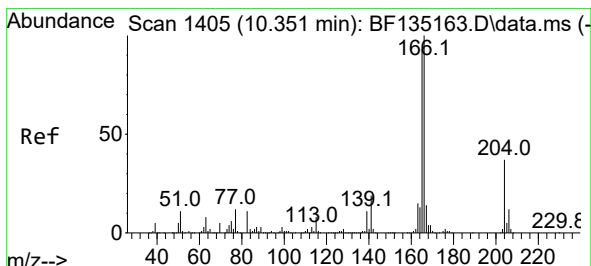
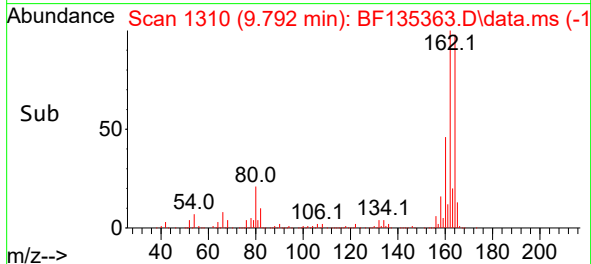
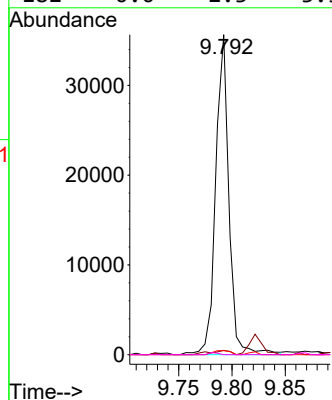
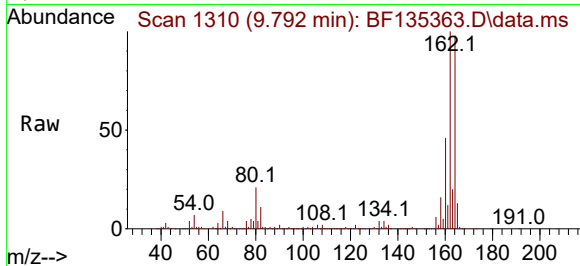




#57
2,4-Dinitrotoluene
Concen: 7.237 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

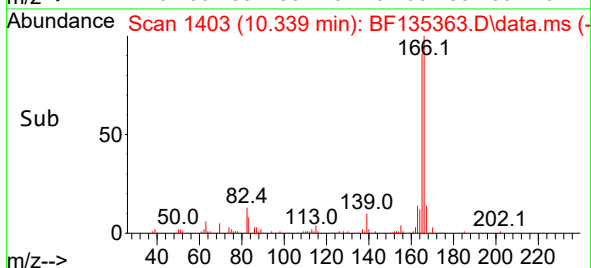
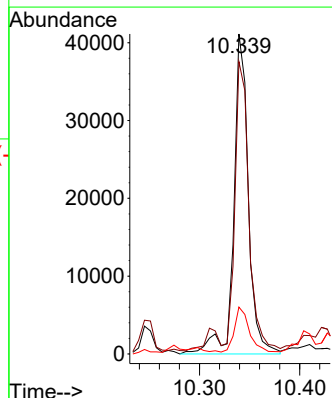
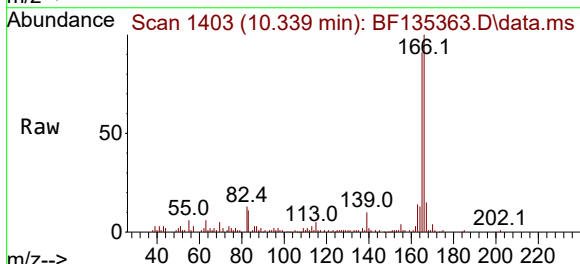
Instrument :
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1028

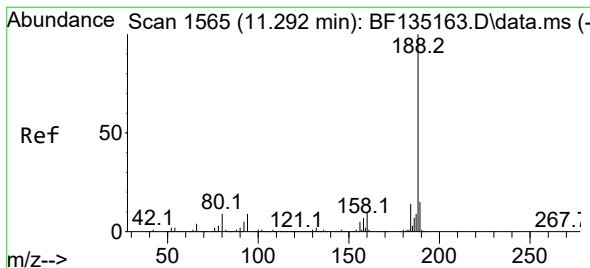
Tgt Ion:165 Resp: 30838
Ion Ratio Lower Upper
165 100
63 1.3 50.1 75.1#
89 1.2 59.3 88.9#
182 0.0 2.3 3.5#



#58
Fluorene
Concen: 2.829 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

Tgt Ion:166 Resp: 41748
Ion Ratio Lower Upper
166 100
165 91.4 74.3 111.5
167 14.7 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028

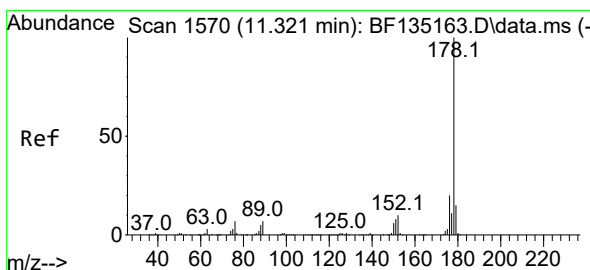
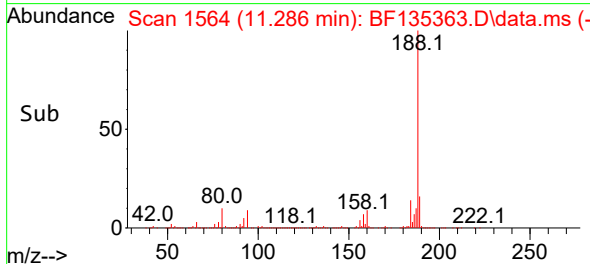
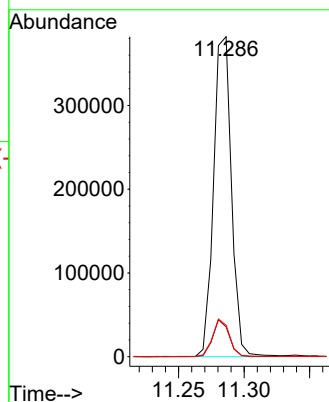
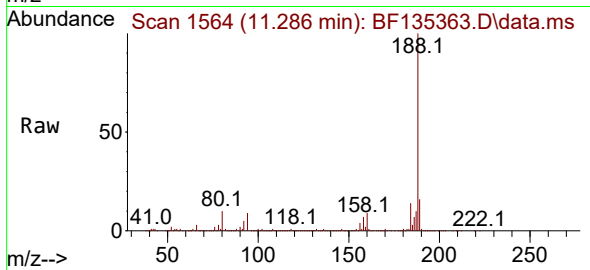
Tgt Ion:188 Resp: 362247

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.6

80 9.9 7.5 11.3



#71

Phenanthrene

Concen: 15.749 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

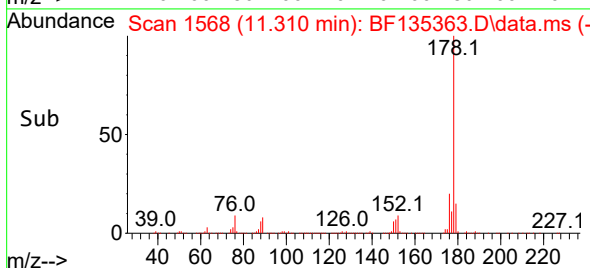
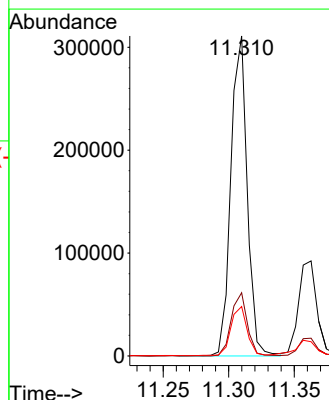
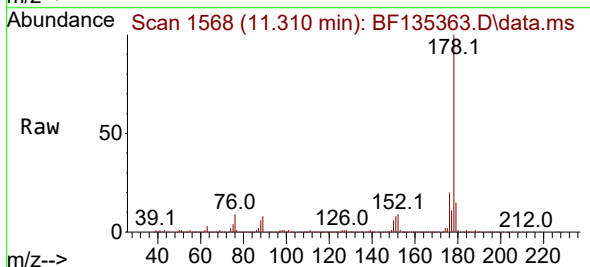
Tgt Ion:178 Resp: 269819

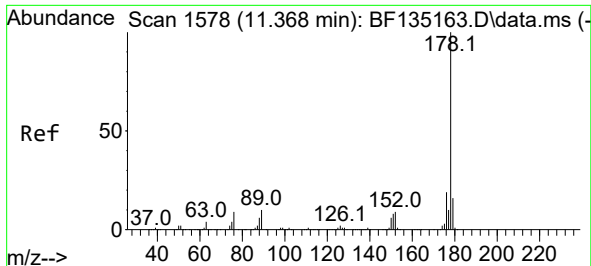
Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 15.4 12.0 18.0

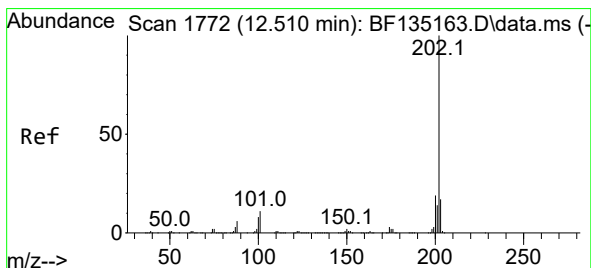
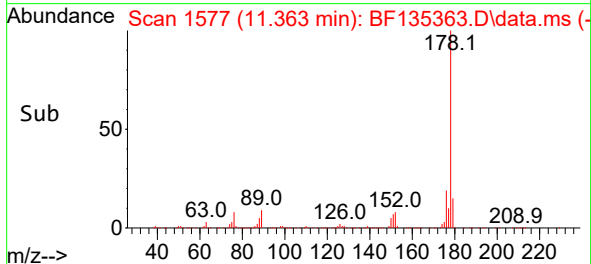
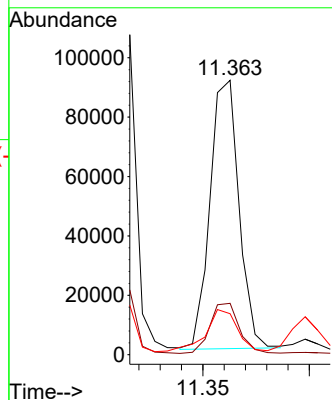
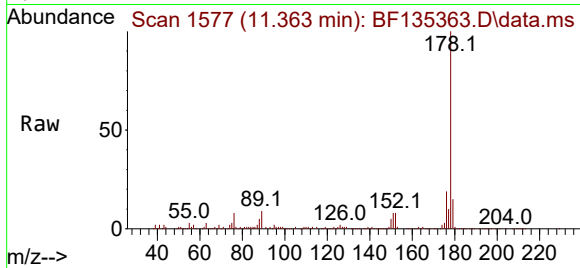




#72
 Anthracene
 Concen: 4.864 ng
 RT: 11.363 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135363.D
 Acq: 20 Sep 2023 18:11

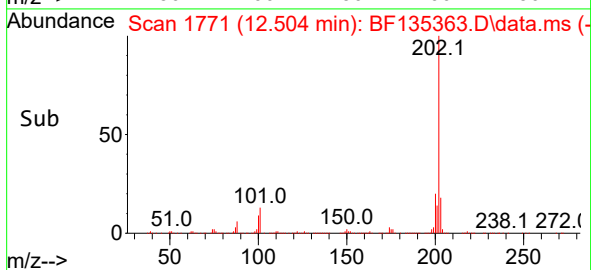
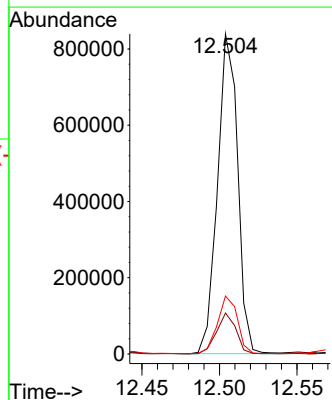
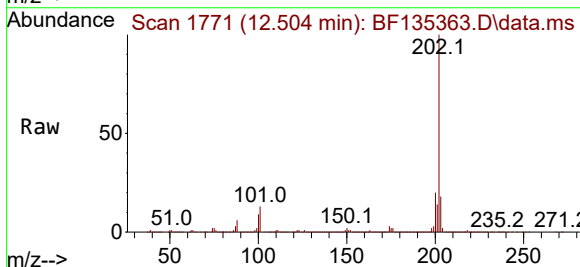
Instrument :
 BNA_F
 ClientSampleId :
 1028

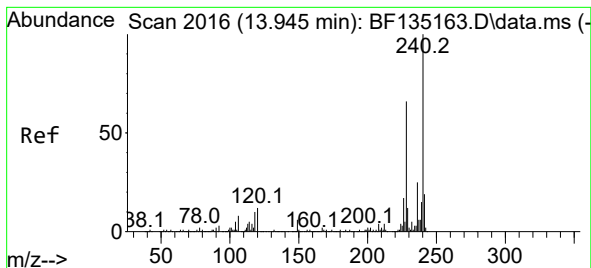
Tgt Ion:178 Resp: 85666
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 14.9 12.6 19.0



#75
 Fluoranthene
 Concen: 42.515 ng
 RT: 12.504 min Scan# 1771
 Delta R.T. -0.006 min
 Lab File: BF135363.D
 Acq: 20 Sep 2023 18:11

Tgt Ion:202 Resp: 758987
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 31.3
 203 18.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028

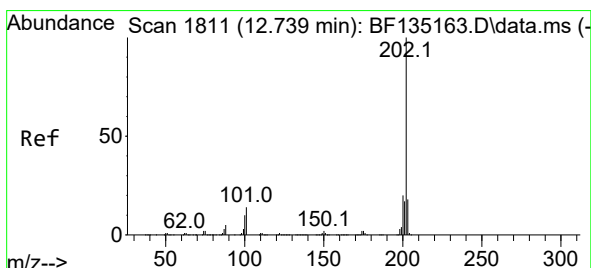
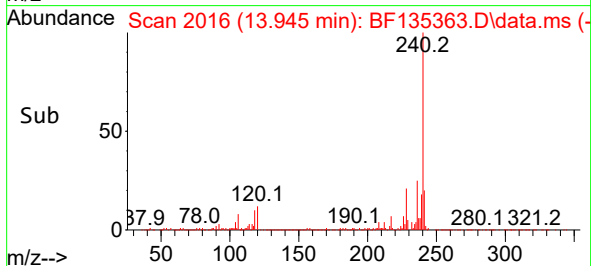
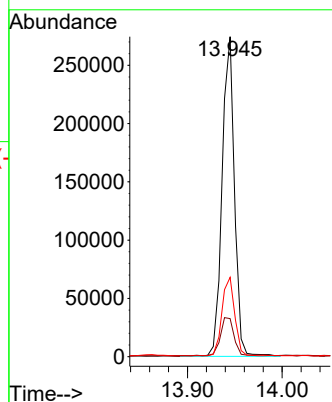
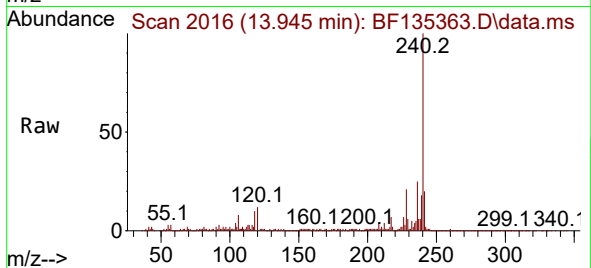
Tgt Ion:240 Resp: 249586

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

236 24.8 19.8 29.8



#78

Pyrene

Concen: 31.792 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

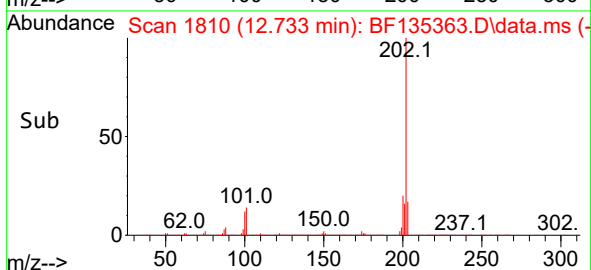
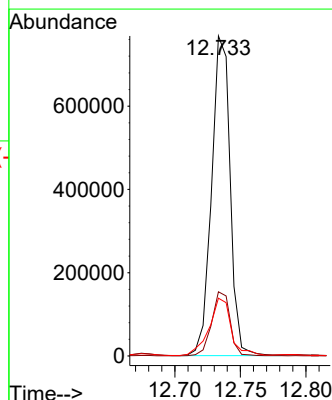
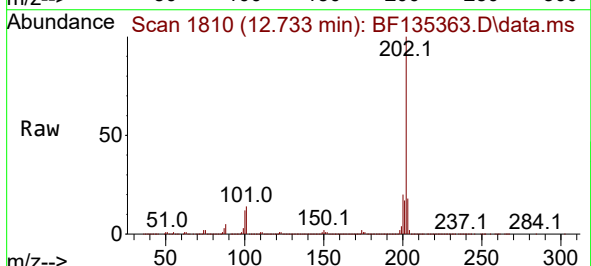
Tgt Ion:202 Resp: 755447

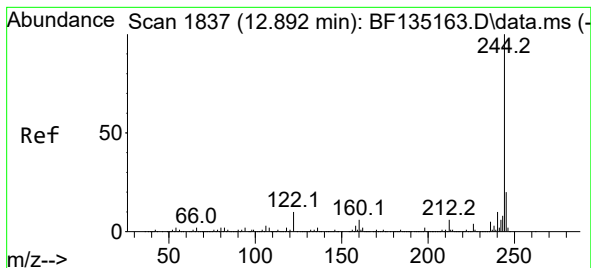
Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 18.1 14.2 21.4





#79

Terphenyl-d14

Concen: 27.323 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028

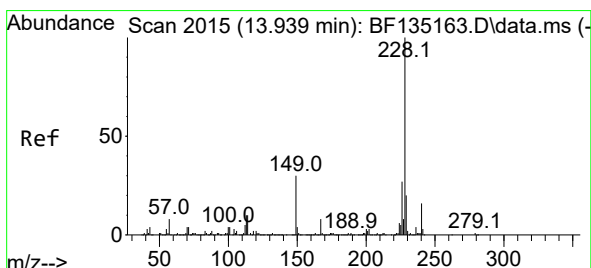
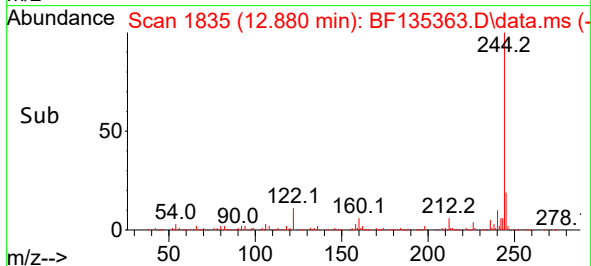
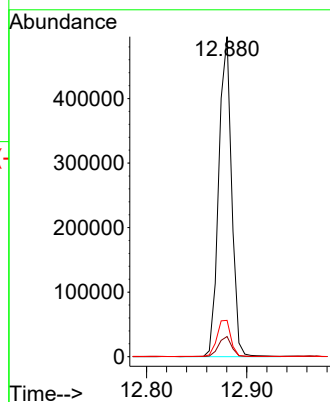
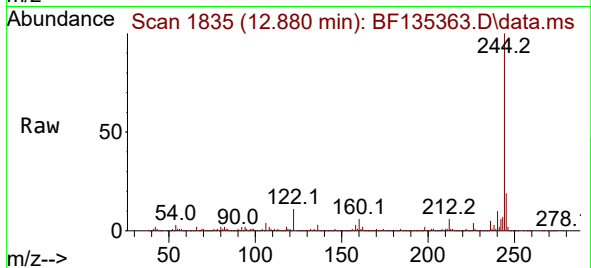
Tgt Ion:244 Resp: 439911

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 11.3 7.9 11.9



#81

Benzo(a)anthracene

Concen: 22.230 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

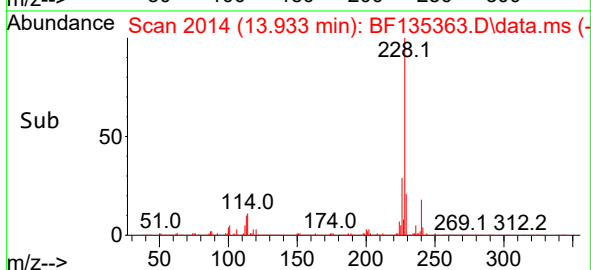
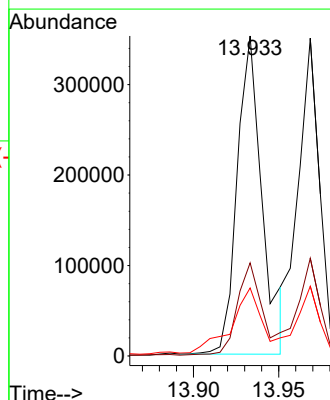
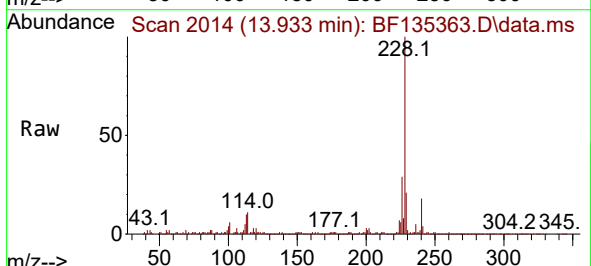
Tgt Ion:228 Resp: 358271

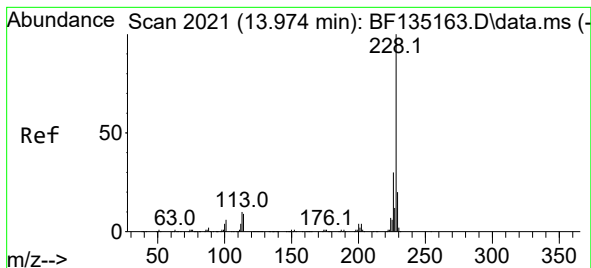
Ion Ratio Lower Upper

228 100

226 29.1 21.7 32.5

229 21.2 15.8 23.8





#83

Chrysene

Concen: 19.219 ng

RT: 13.968 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028

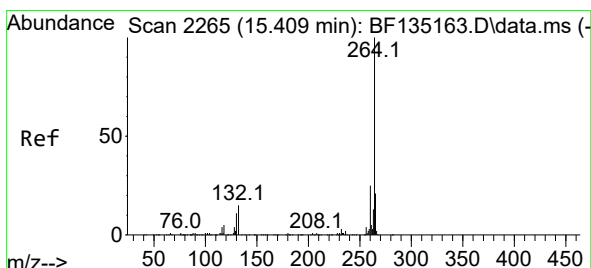
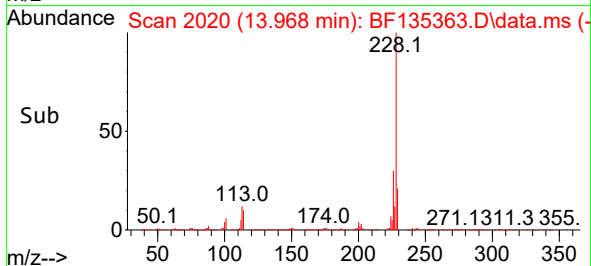
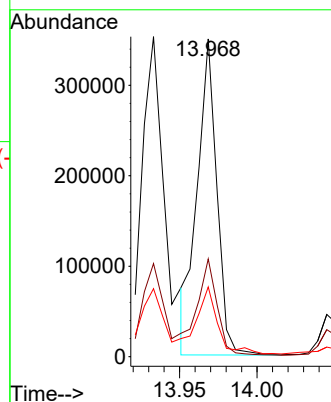
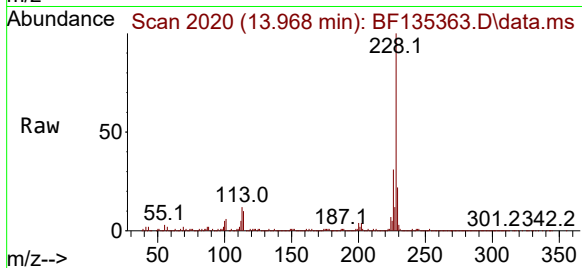
Tgt Ion:228 Resp: 307947

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

229 22.0 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

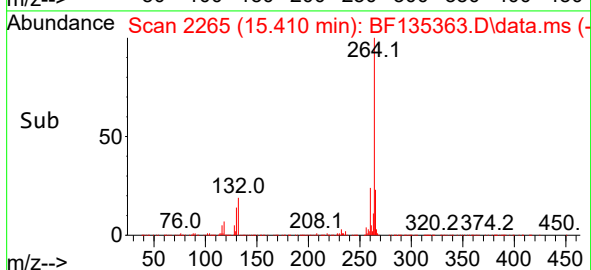
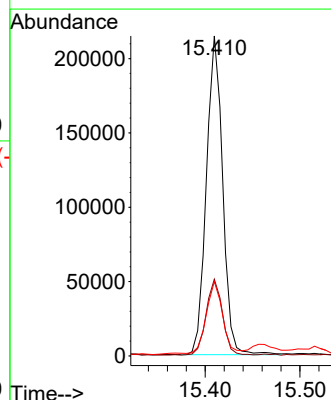
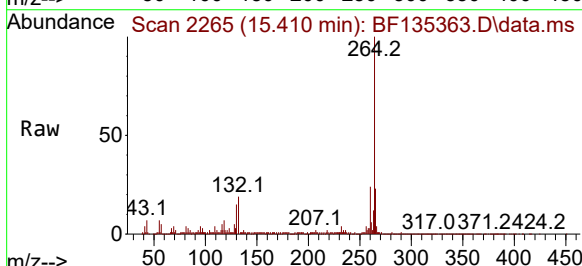
Tgt Ion:264 Resp: 256055

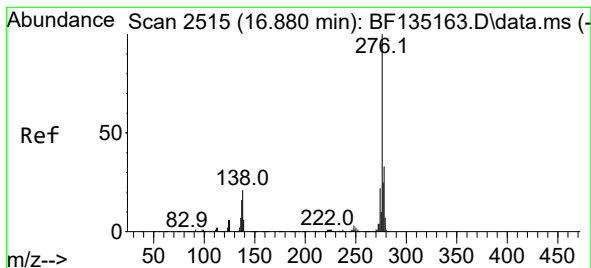
Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 23.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.613 ng

RT: 16.886 min Scan# 2110

Delta R.T. 0.006 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028

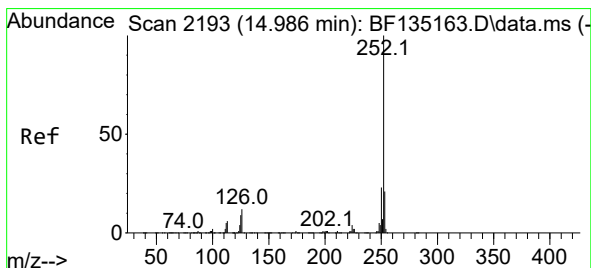
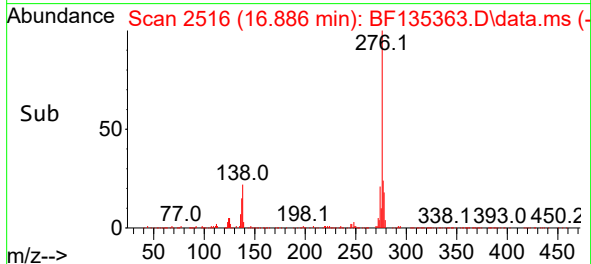
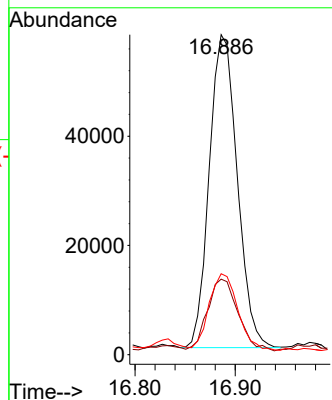
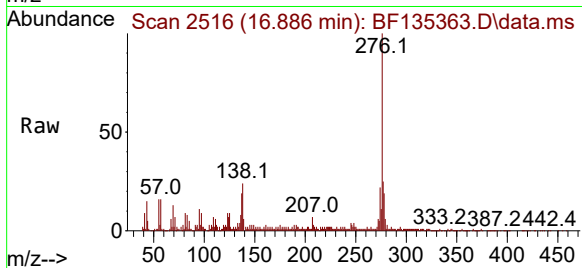
Tgt Ion:276 Resp: 111018

Ion Ratio Lower Upper

276 100

138 24.9 19.2 28.8

277 25.2 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 37.483 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

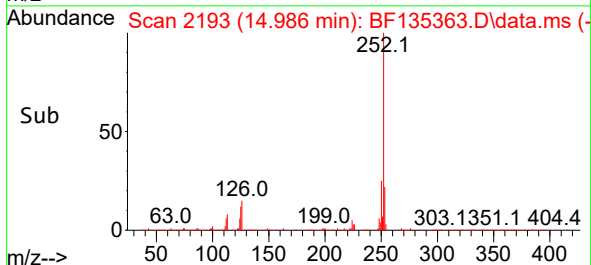
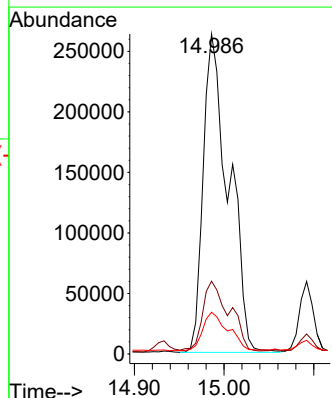
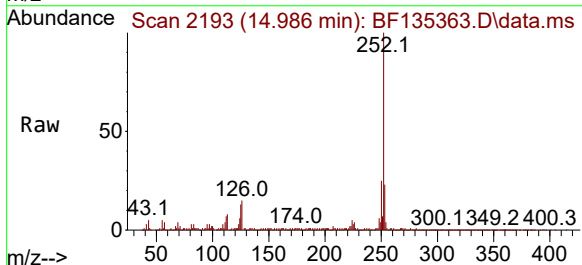
Tgt Ion:252 Resp: 519554

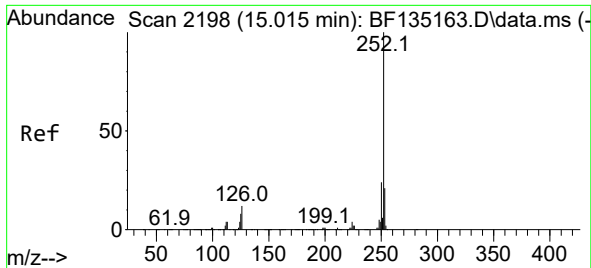
Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 13.1 7.1 10.7#

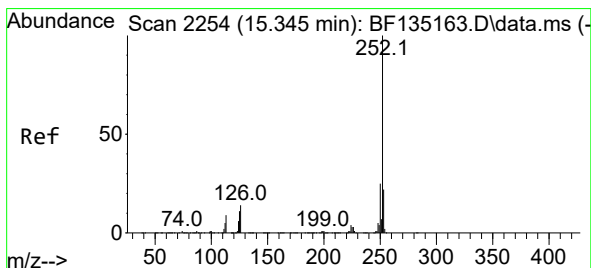
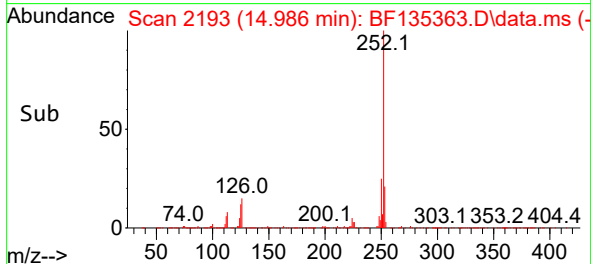
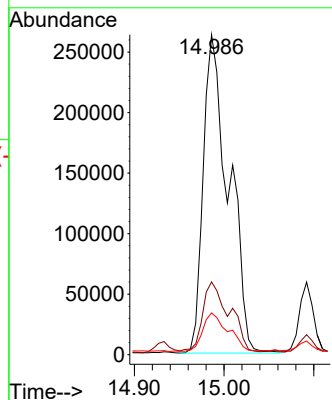
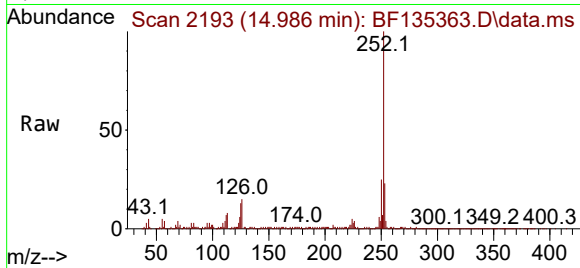




#89
Benzo(k)fluoranthene
Concen: 37.945 ng
RT: 14.986 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

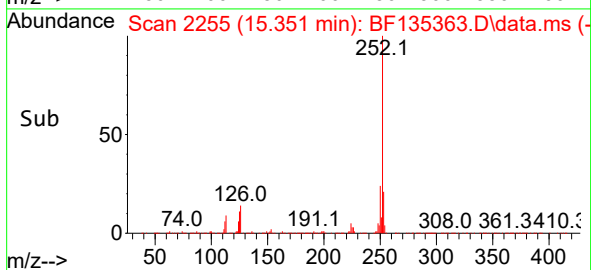
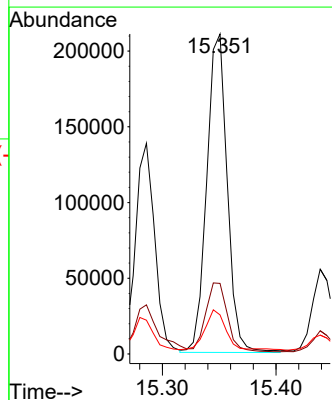
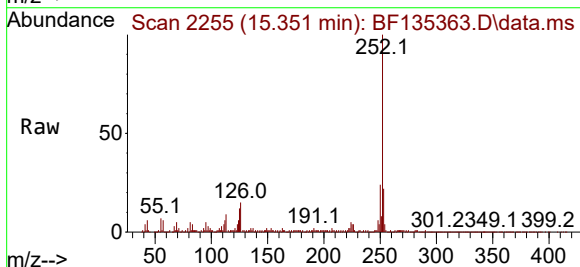
Instrument :
BNA_F
ClientSampleId :
1028

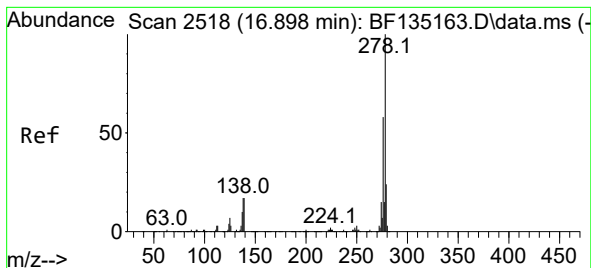
Tgt Ion:252 Resp: 519554
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 13.1 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 19.941 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

Tgt Ion:252 Resp: 263592
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 12.2 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 2.129 ng

RT: 16.898 min Scan# 2518

Delta R.T. 0.000 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028

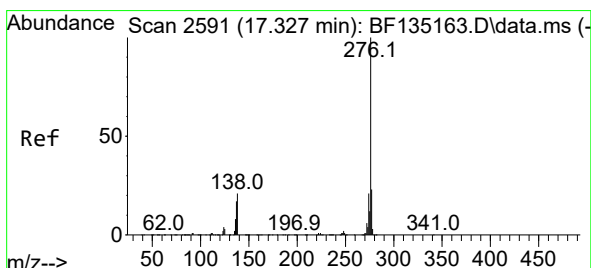
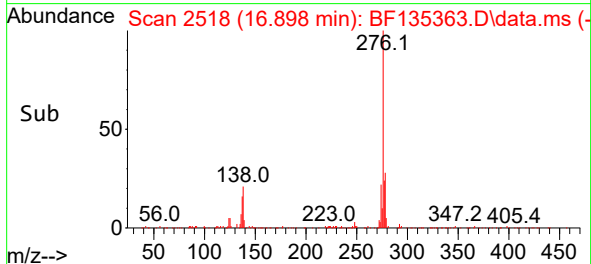
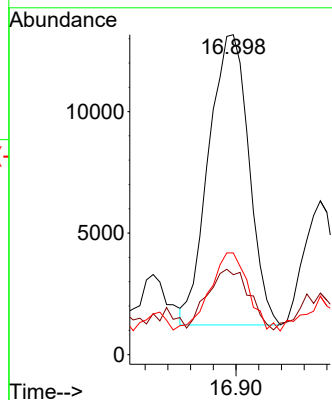
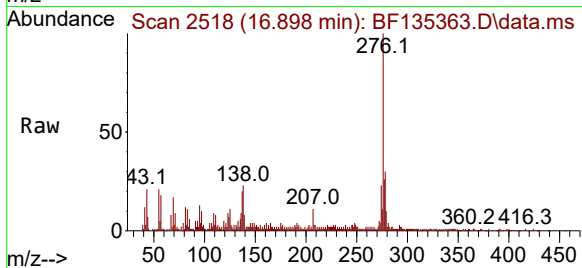
Tgt Ion:278 Resp: 29242

Ion Ratio Lower Upper

278 100

139 25.0 13.4 20.0#

279 31.8 19.0 28.6#



#92

Benzo(g,h,i)perylene

Concen: 6.820 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Tgt Ion:276 Resp: 97839

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 24.4 16.9 25.3

