

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135738.D
 Acq On : 12 Oct 2023 16:59
 Operator : CG\JU
 Sample : 04657-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-2(0-2IN)

Quant Time: Oct 13 00:56:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

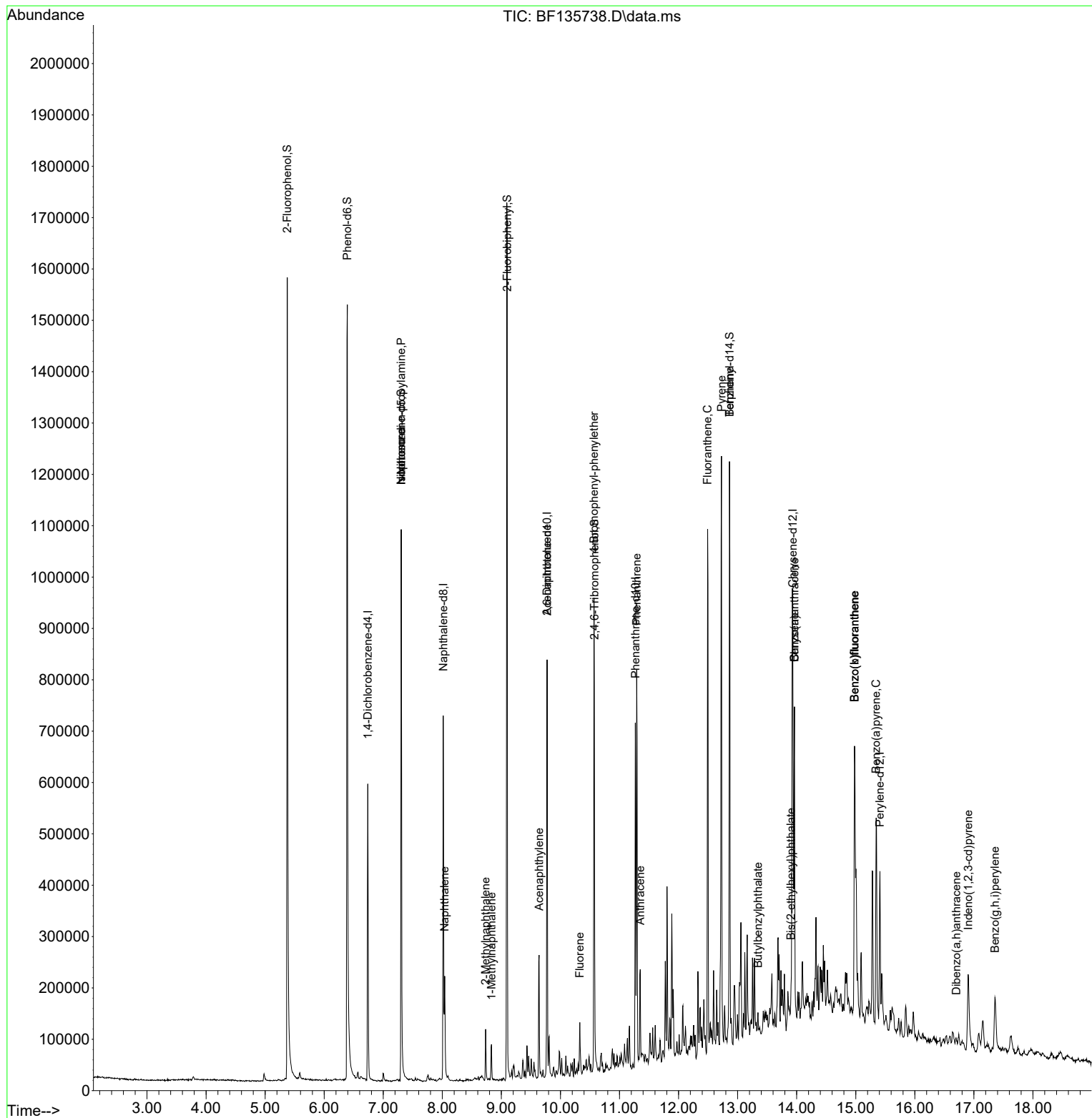
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	82845	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	301056	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	150556	20.000	ng	0.00
64) Phenanthrene-d10	11.268	188	235186	20.000	ng	0.00
76) Chrysene-d12	13.933	240	149457	20.000	ng	0.00
86) Perylene-d12	15.409	264	139308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	469764	92.226	ng	0.00
7) Phenol-d6	6.392	99	581460	89.775	ng	0.00
23) Nitrobenzene-d5	7.304	82	315693	56.971	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	108907	72.791	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	563463	56.465	ng	0.00
79) Terphenyl-d14	12.863	244	390375	40.490	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	42515	10.598	ng	# 80
25) Isophorone	7.304	82	315693	31.025	ng	# 65
31) Naphthalene	8.039	128	72644	4.966	ng	99
37) 2-Methylnaphthalene	8.733	142	25057	2.548	ng	98
38) 1-Methylnaphthalene	8.833	142	19652	2.135	ng	94
49) Acenaphthylene	9.639	152	103174	7.395	ng	99
51) 2,6-Dinitrotoluene	9.774	165	19747	8.856	ng	# 18
58) Fluorene	10.327	166	28292	2.926	ng	# 99
67) 4-Bromophenyl-phenylether	10.569	248	6921	2.959	ng	# 1
71) Phenanthrene	11.292	178	281431	25.301	ng	99
72) Anthracene	11.351	178	88743	7.762	ng	100
75) Fluoranthene	12.492	202	417617	36.031	ng	99
77) Benzidine	12.863	184	6275	2.049	ng	94
78) Pyrene	12.727	202	483475	33.977	ng	99
80) Butylbenzylphthalate	13.345	149	10463	2.088	ng	93
81) Benzo(a)anthracene	13.962	228	249201	25.822	ng	93
83) Chrysene	13.962	228	249201	25.972	ng	97
84) Bis(2-ethylhexyl)phtha...	13.904	149	11252	2.189	ng	98
87) Indeno(1,2,3-cd)pyrene	16.903	276	95325	10.436	ng	95
88) Benzo(b)fluoranthene	14.980	252	411763	54.601	ng	97
89) Benzo(k)fluoranthene	14.980	252	411763	55.275	ng	97
90) Benzo(a)pyrene	15.345	252	210855	29.320	ng	99
91) Dibenzo(a,h)anthracene	16.703	278	16481	2.205	ng	95
92) Benzo(g,h,i)perylene	17.356	276	91682	11.746	ng	98

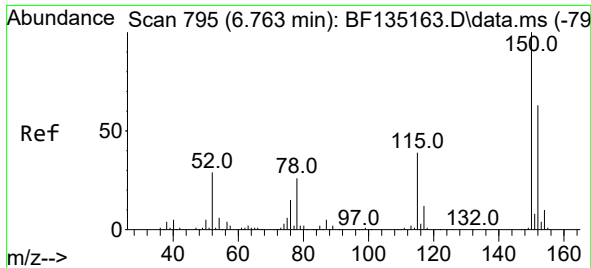
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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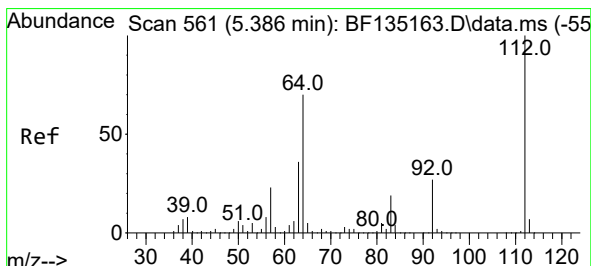
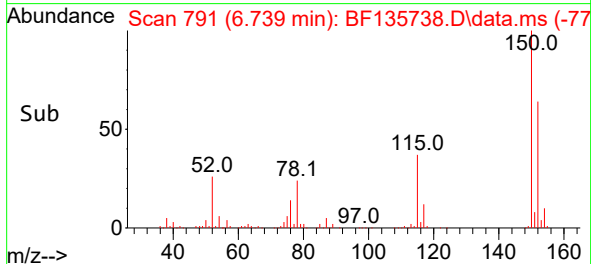
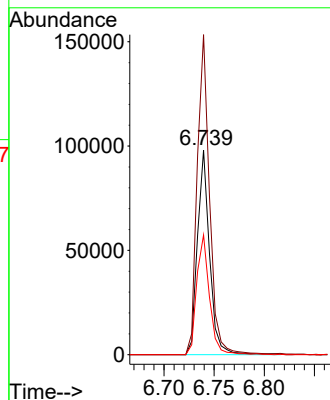
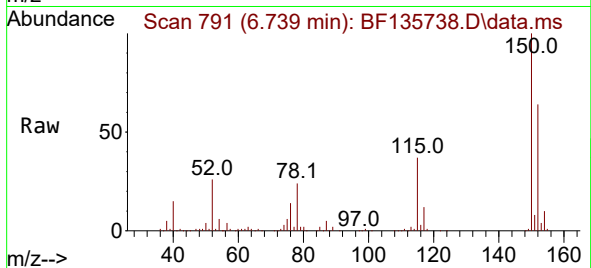




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

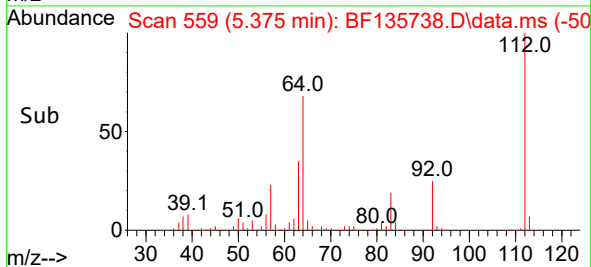
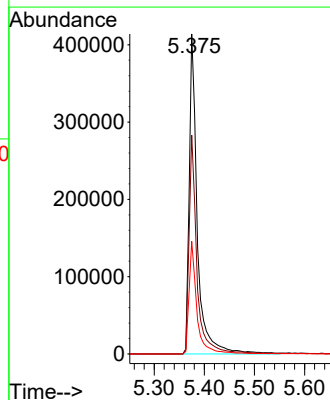
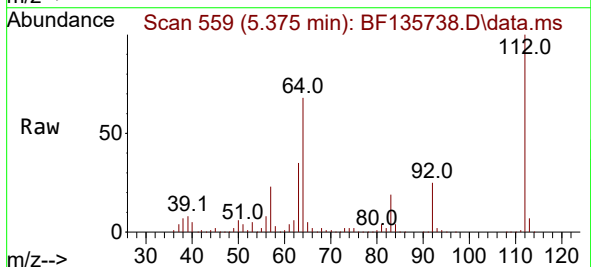
Instrument :
BNA_F
ClientSampleId :
W-2(0-2IN)

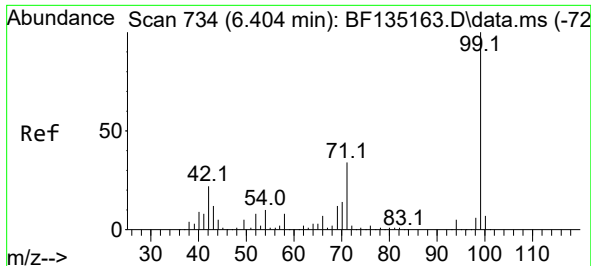
Tgt Ion:152 Resp: 82845
Ion Ratio Lower Upper
152 100
150 156.4 127.8 191.6
115 58.5 49.8 74.8



#5
2-Fluorophenol
Concen: 92.226 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion:112 Resp: 469764
Ion Ratio Lower Upper
112 100
64 68.4 55.9 83.9
63 35.2 29.0 43.6

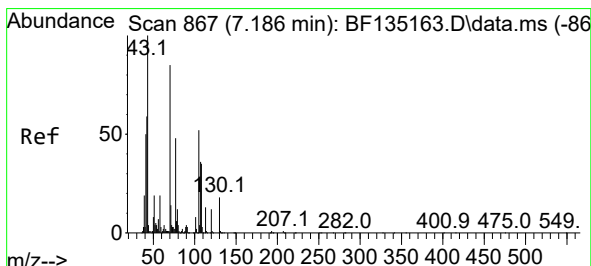
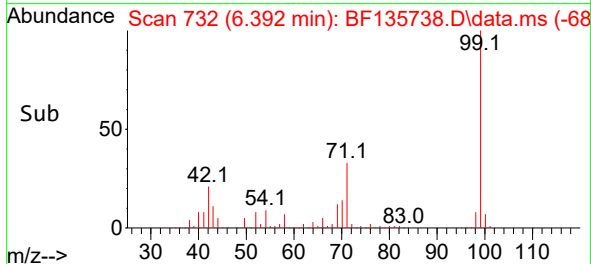
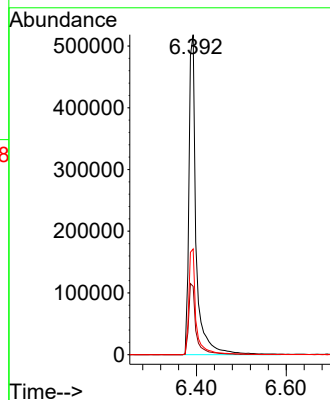
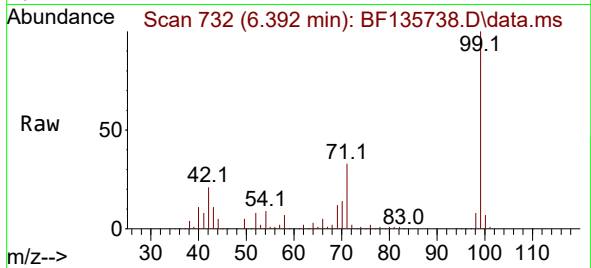




#7
Phenol-d6
Concen: 89.775 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

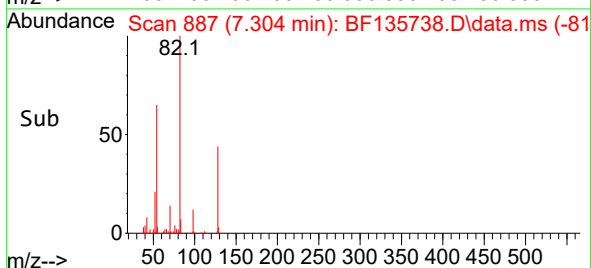
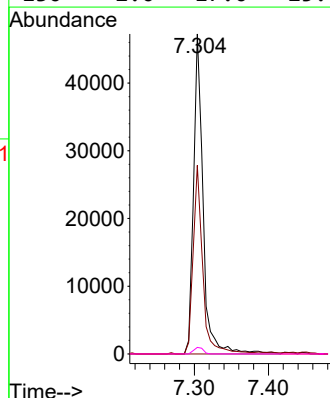
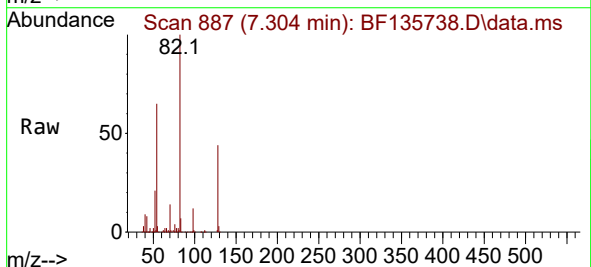
Instrument :
BNA_F
ClientSampleId :
W-2(0-2IN)

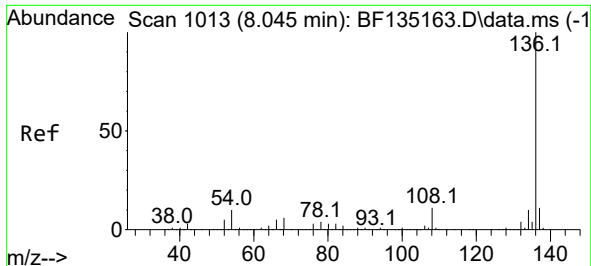
Tgt Ion: 99 Resp: 581460
Ion Ratio Lower Upper
99 100
42 21.4 17.9 26.9
71 33.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.598 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion: 70 Resp: 42515
Ion Ratio Lower Upper
70 100
42 58.9 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

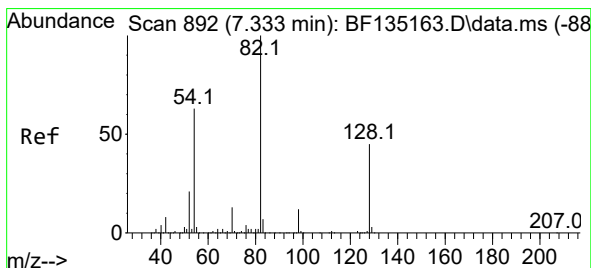
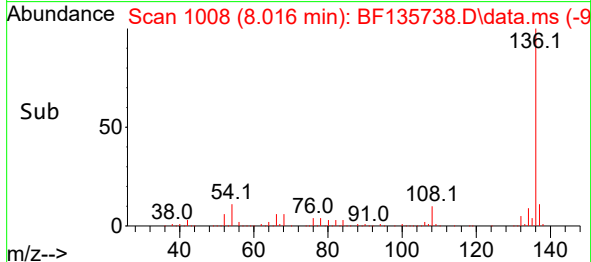
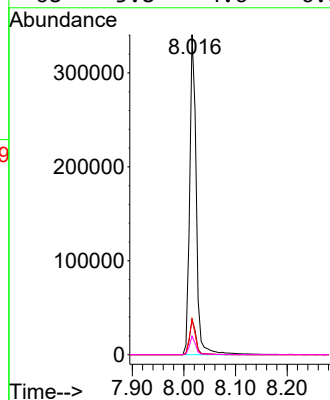
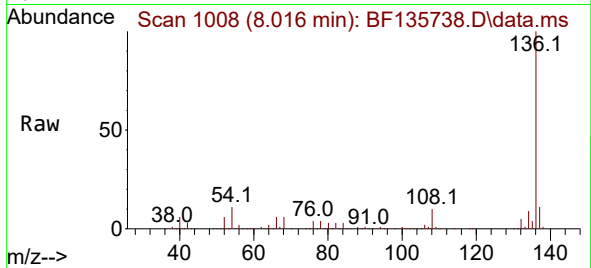




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

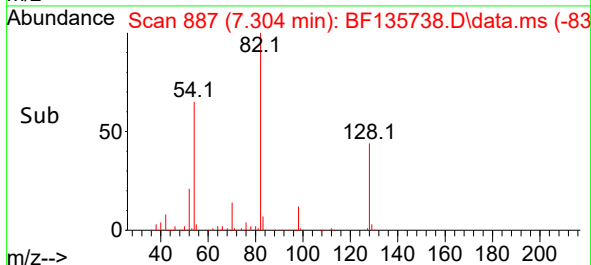
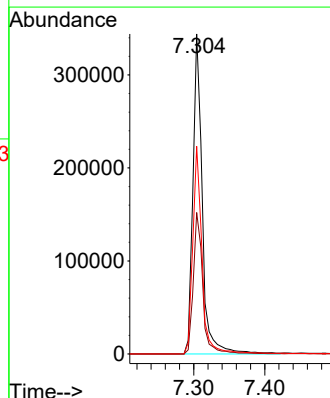
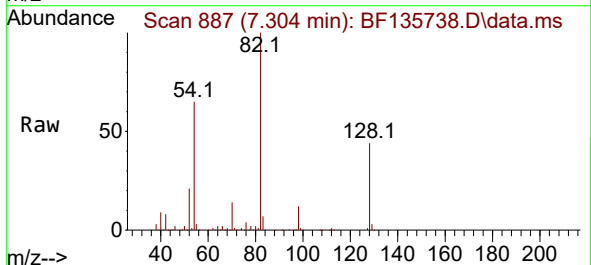
Instrument :
BNA_F
ClientSampleId :
W-2(0-2IN)

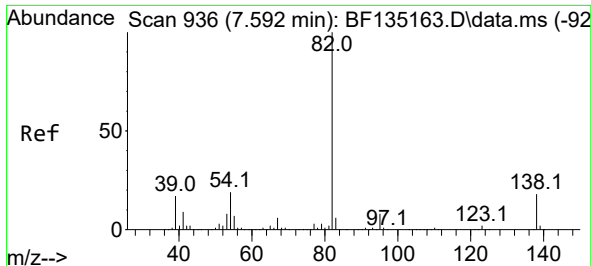
Tgt Ion:136 Resp: 301056
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.0 7.7 11.5
68 5.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 56.971 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion: 82 Resp: 315693
Ion Ratio Lower Upper
82 100
128 44.2 35.8 53.6
54 64.9 50.6 76.0

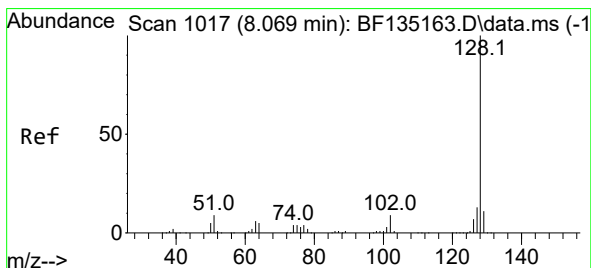
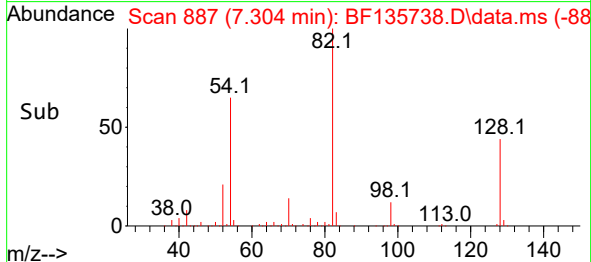
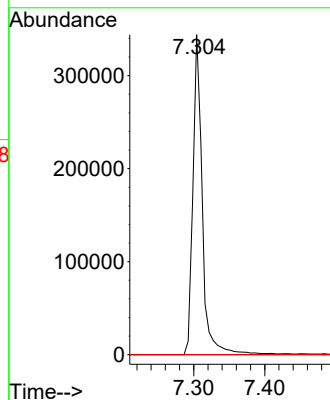
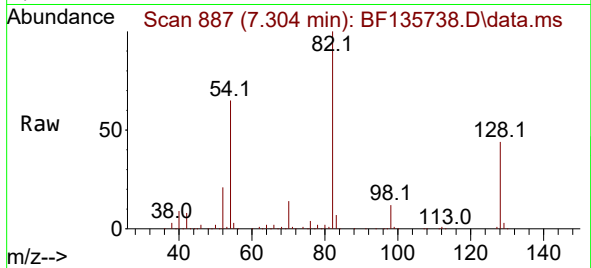




#25
Isophorone
Concen: 31.025 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

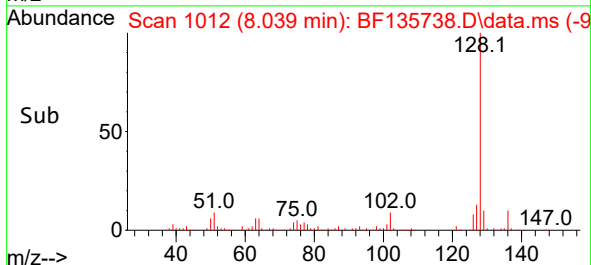
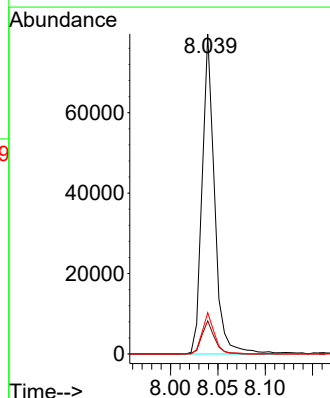
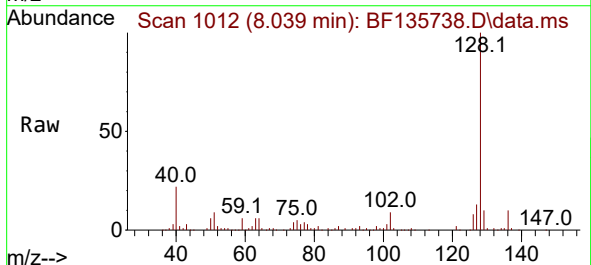
Instrument :
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ClientSampleId :
W-2(0-2IN)

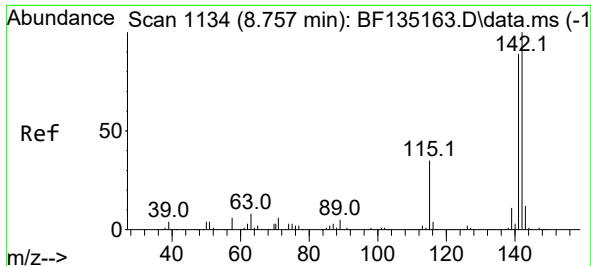
Tgt Ion: 82 Resp: 315693
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 4.966 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion:128 Resp: 72644
Ion Ratio Lower Upper
128 100
129 10.3 8.7 13.1
127 12.9 10.7 16.1

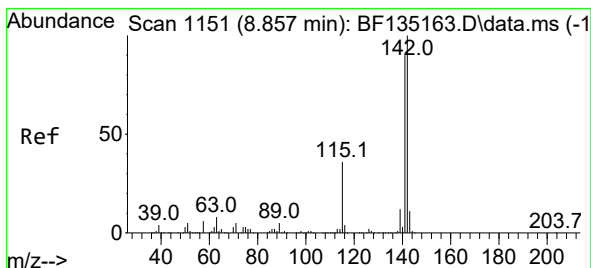
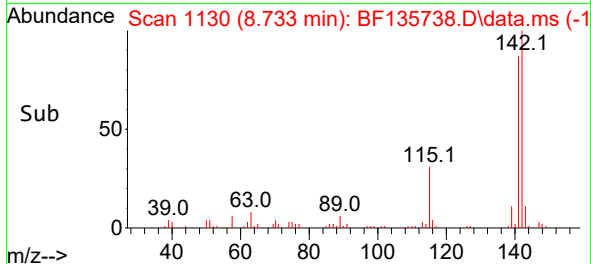
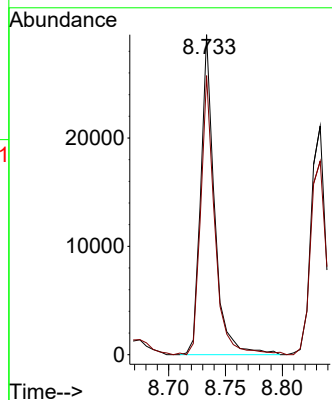
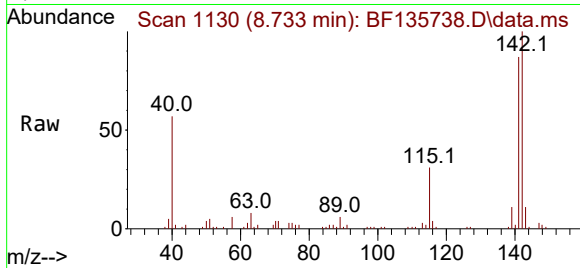




#37
2-Methylnaphthalene
Concen: 2.548 ng
RT: 8.733 min Scan# 1134
Delta R.T. -0.000 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

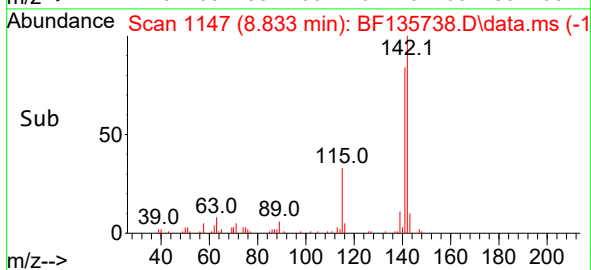
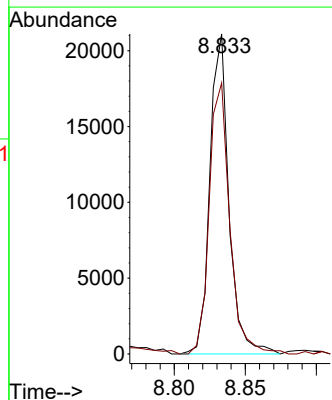
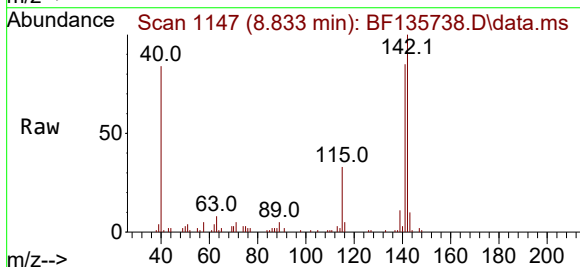
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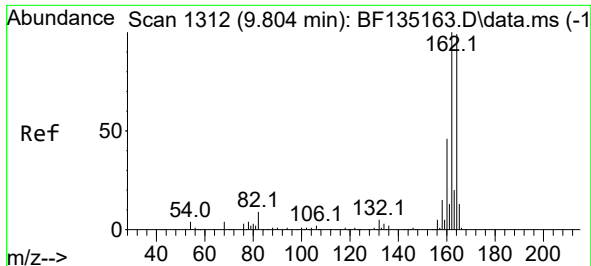
Tgt Ion:142 Resp: 25057
Ion Ratio Lower Upper
142 100
141 87.2 71.0 106.6



#38
1-Methylnaphthalene
Concen: 2.135 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion:142 Resp: 19652
Ion Ratio Lower Upper
142 100
141 84.7 72.4 108.6

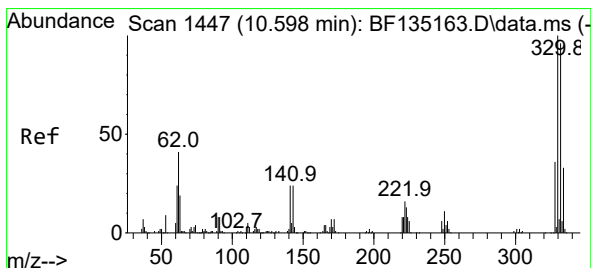
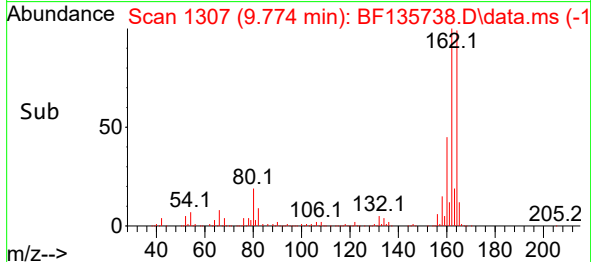
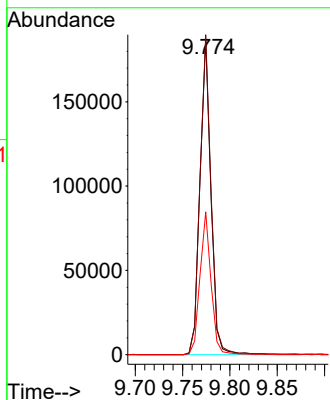
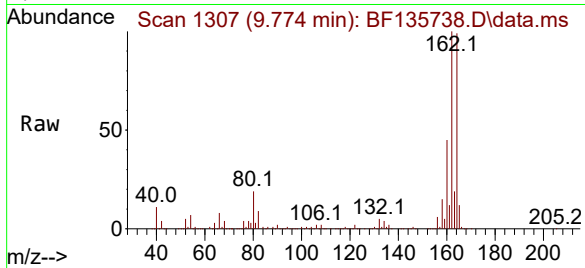




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

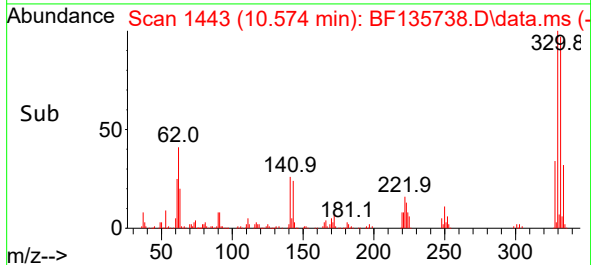
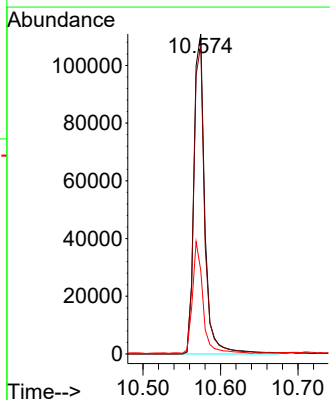
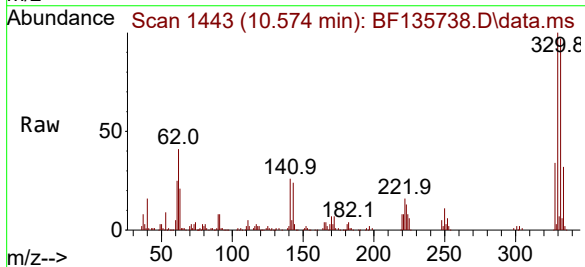
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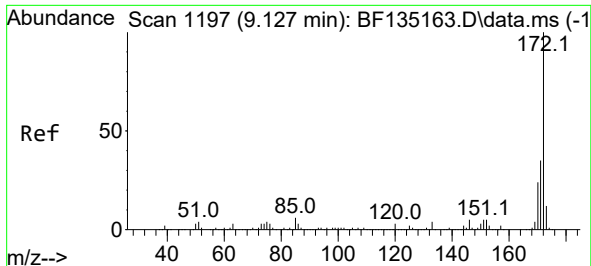
Tgt Ion:164 Resp: 150556
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 45.2 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 72.791 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion:330 Resp: 108907
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 32.7 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 56.465 ng

RT: 9.098 min Scan# 1197

Delta R.T. -0.000 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

Instrument :

BNA_F

ClientSampleId :

W-2(0-2IN)

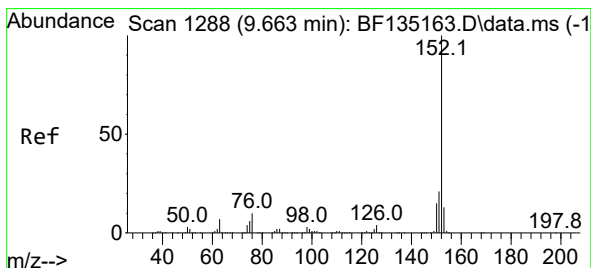
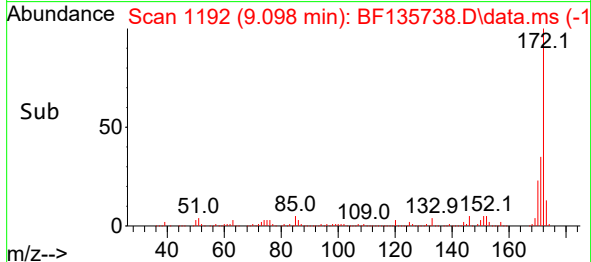
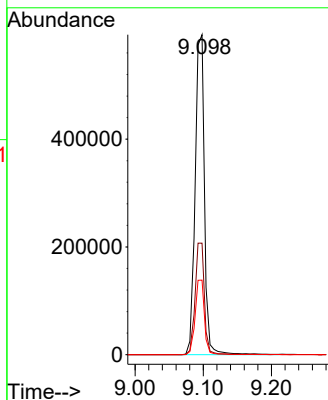
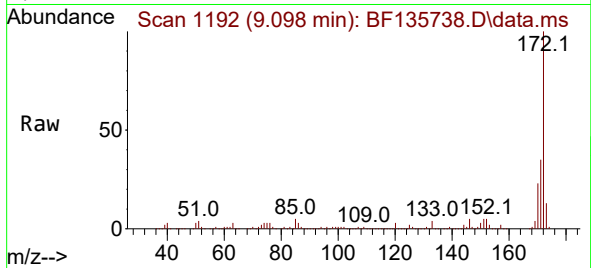
Tgt Ion:172 Resp: 563463

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.3 19.0 28.4



#49

Acenaphthylene

Concen: 7.395 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.000 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

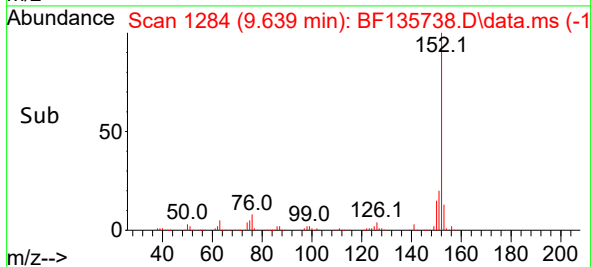
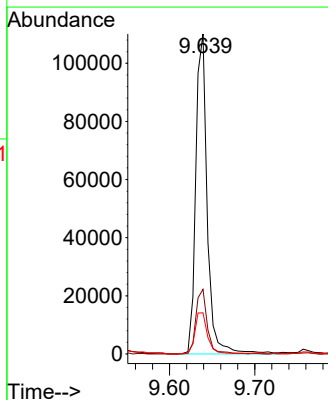
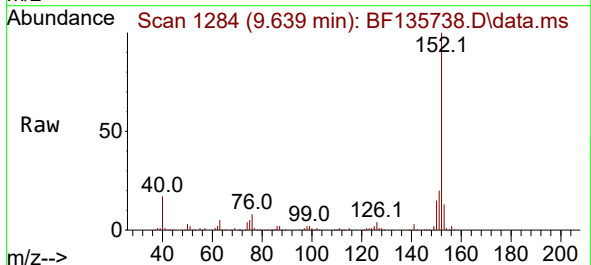
Tgt Ion:152 Resp: 103174

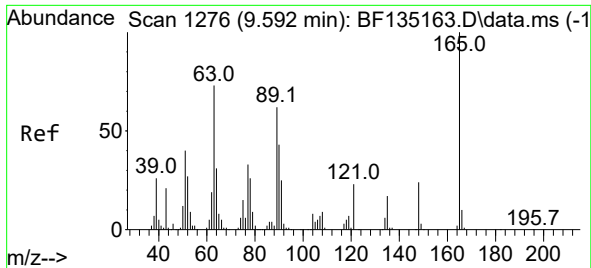
Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 12.9 10.4 15.6

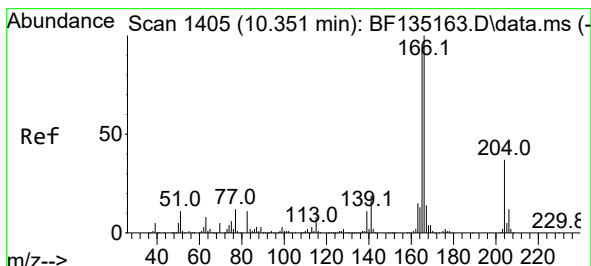
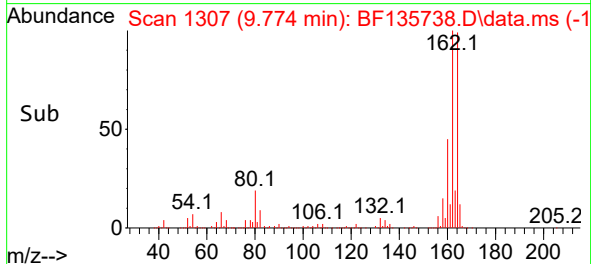
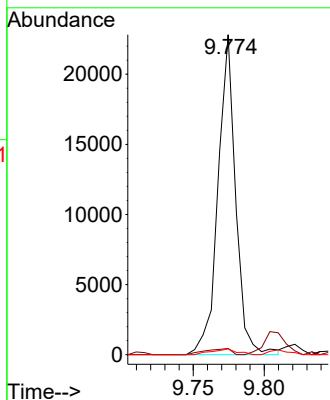
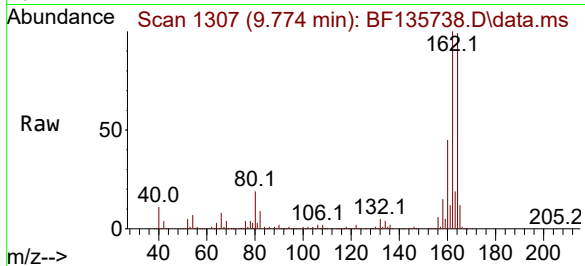




#51
2,6-Dinitrotoluene
Concen: 8.856 ng
RT: 9.774 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

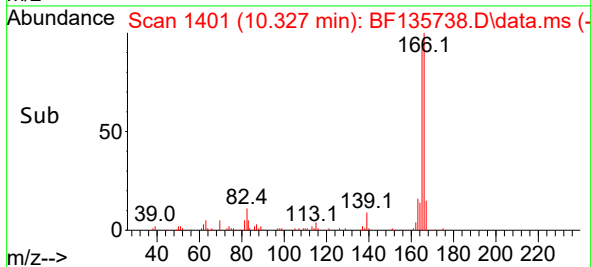
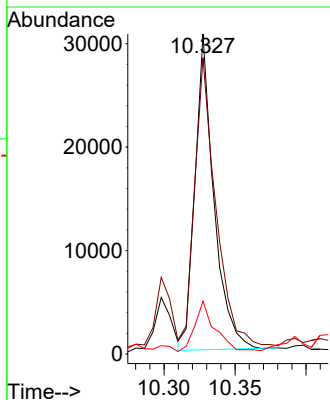
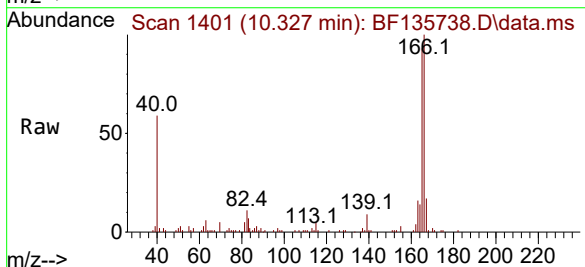
Instrument :
BNA_F
ClientSampleId :
W-2(0-2IN)

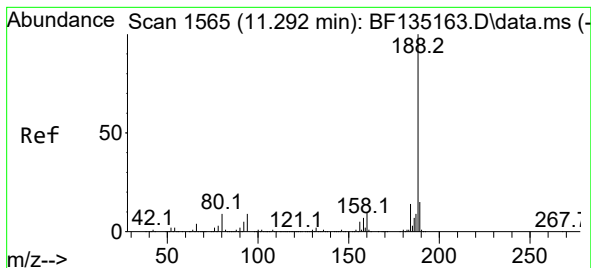
Tgt Ion:165 Resp: 19747
Ion Ratio Lower Upper
165 100
63 1.9 59.4 89.2#
89 1.8 49.8 74.8#



#58
Fluorene
Concen: 2.926 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion:166 Resp: 28292
Ion Ratio Lower Upper
166 100
165 92.6 74.3 111.5
167 16.5 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.268 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

Instrument :

BNA_F

ClientSampleId :

W-2(0-2IN)

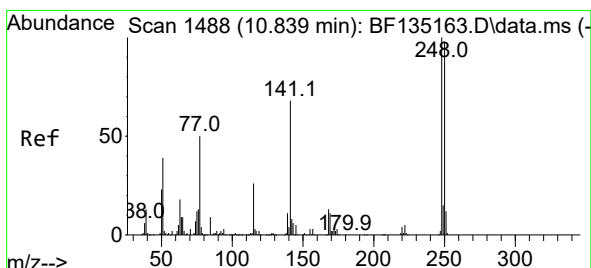
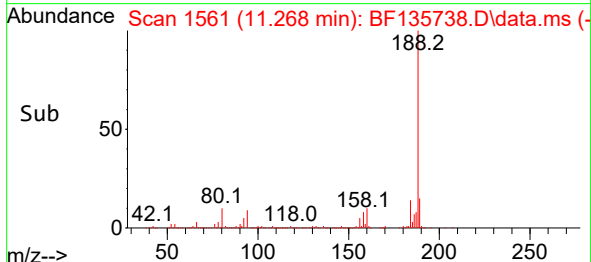
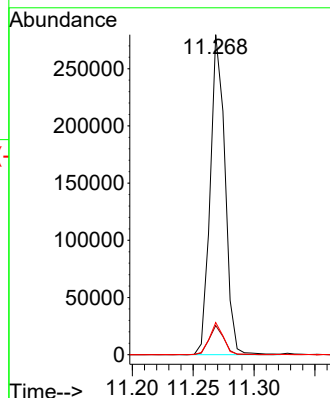
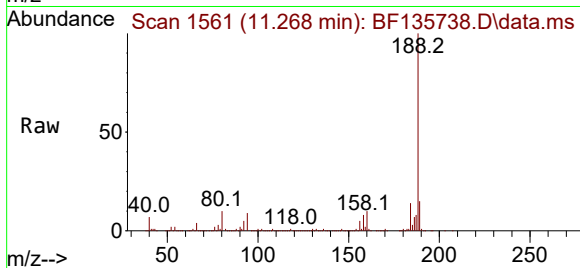
Tgt Ion:188 Resp: 235186

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

80 10.0 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.959 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

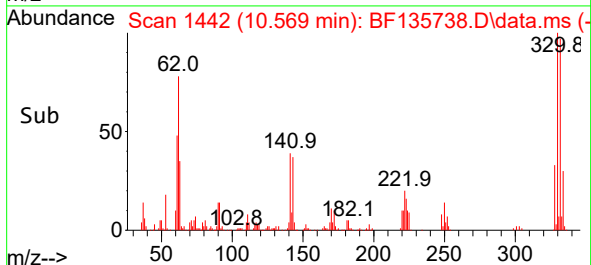
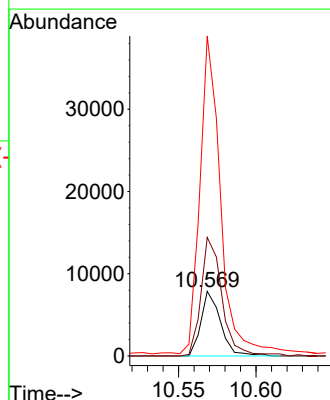
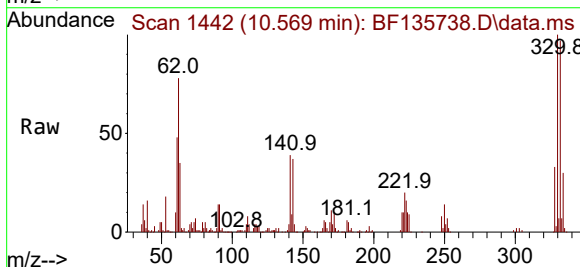
Tgt Ion:248 Resp: 6921

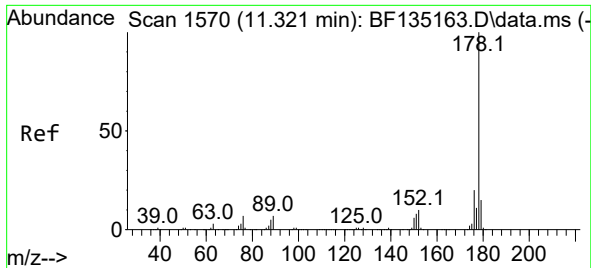
Ion Ratio Lower Upper

248 100

250 183.7 78.6 117.8#

141 495.5 54.2 81.2#

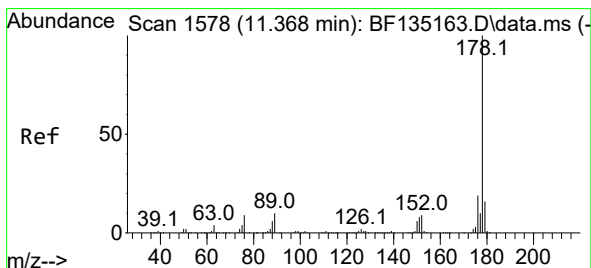
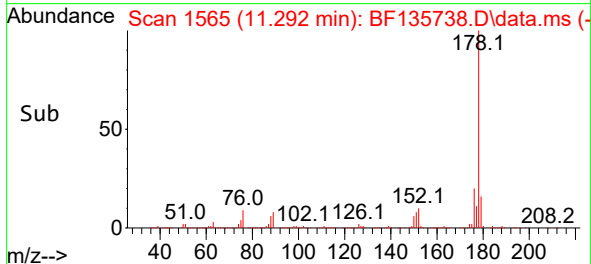
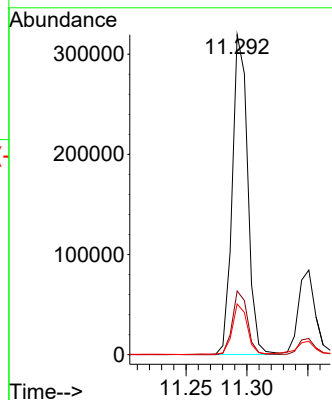
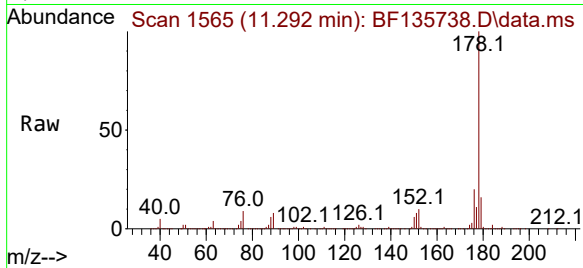




#71
Phenanthrene
Concen: 25.301 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

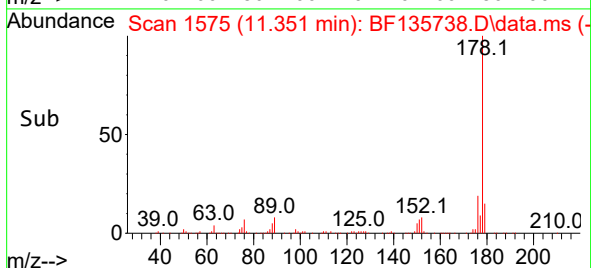
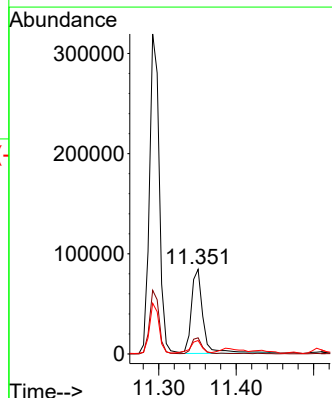
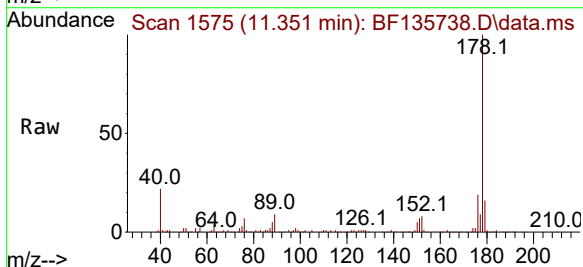
Instrument :
BNA_F
ClientSampleId :
W-2(0-2IN)

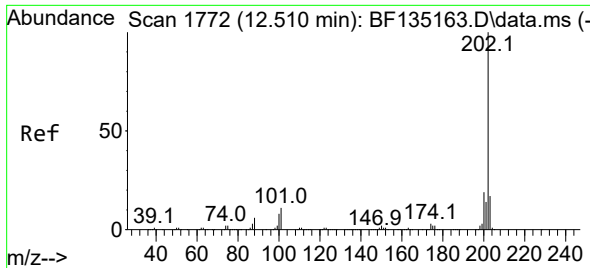
Tgt Ion:178 Resp: 281431
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.9 12.0 18.0



#72
Anthracene
Concen: 7.762 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion:178 Resp: 88743
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.9 12.6 19.0

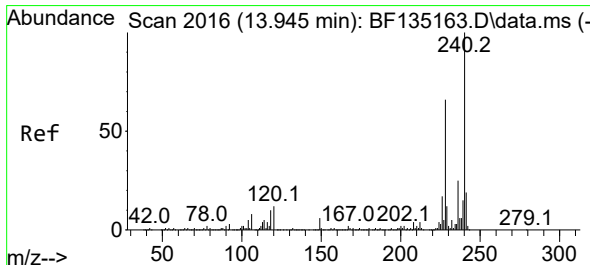
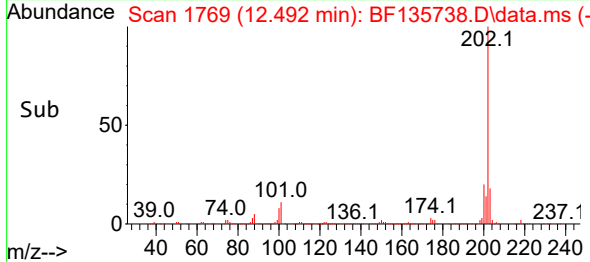
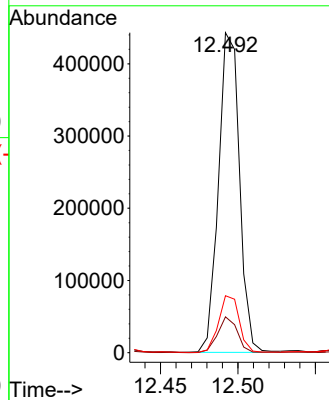
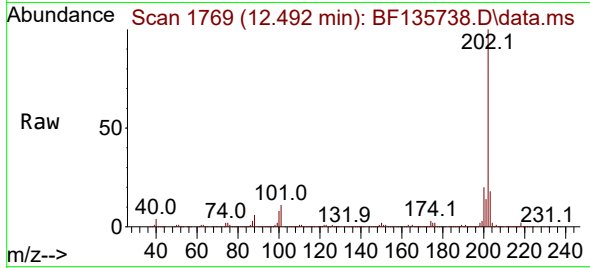




#75
Fluoranthene
Concen: 36.031 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

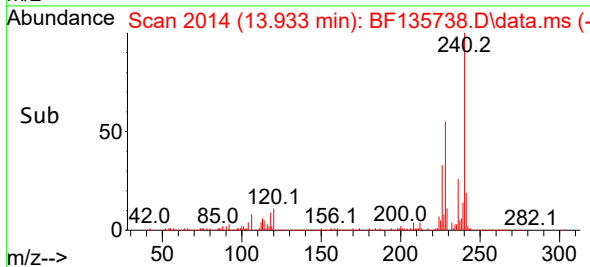
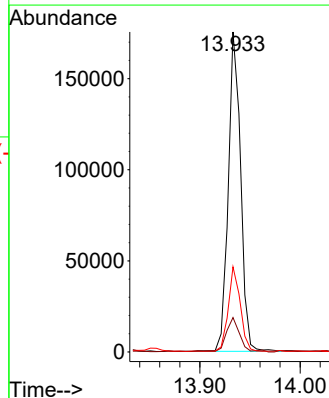
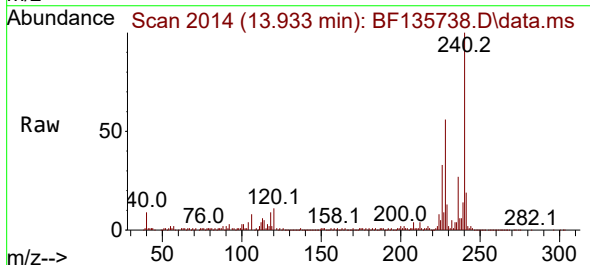
Instrument :
BNA_F
ClientSampleId :
W-2(0-2IN)

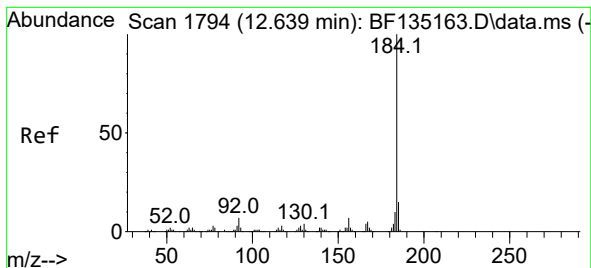
Tgt Ion:202 Resp: 417617
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.3
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion:240 Resp: 149457
Ion Ratio Lower Upper
240 100
120 10.7 9.4 14.2
236 26.6 19.8 29.8





#77

Benzidine

Concen: 2.049 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.235 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

Instrument :

BNA_F

ClientSampleId :

W-2(0-2IN)

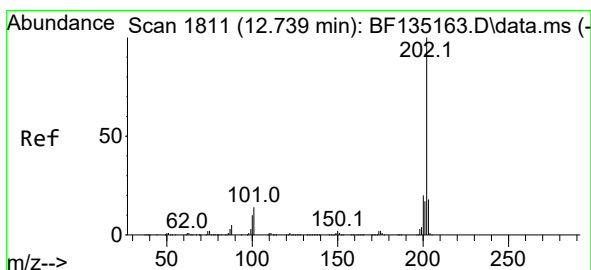
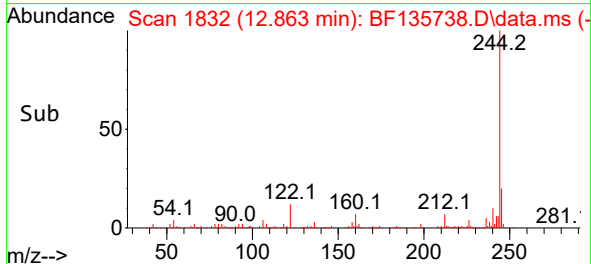
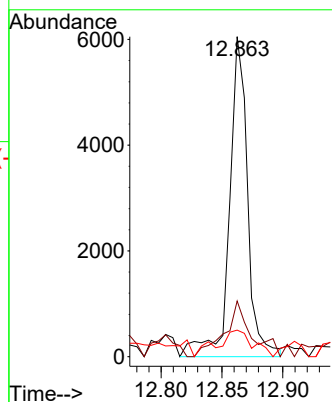
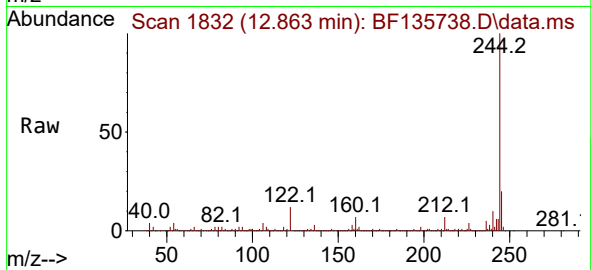
Tgt Ion:184 Resp: 6275

Ion Ratio Lower Upper

184 100

185 17.4 11.7 17.5

183 8.3 8.2 12.4



#78

Pyrene

Concen: 33.977 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.000 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

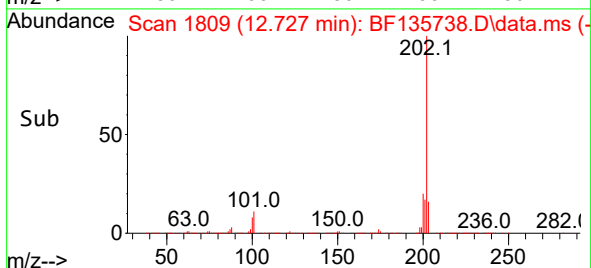
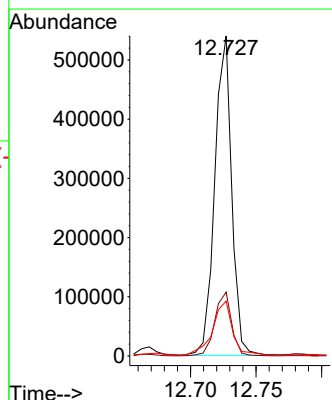
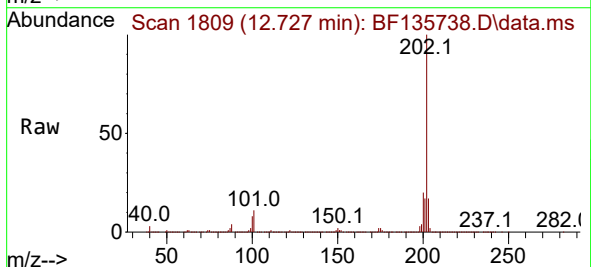
Tgt Ion:202 Resp: 483475

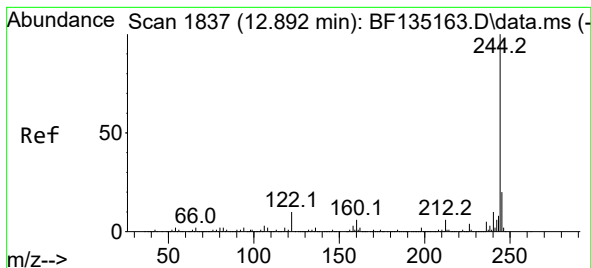
Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 17.2 14.2 21.4





#79

Terphenyl-d14

Concen: 40.490 ng

RT: 12.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

Instrument :

BNA_F

ClientSampleId :

W-2(0-2IN)

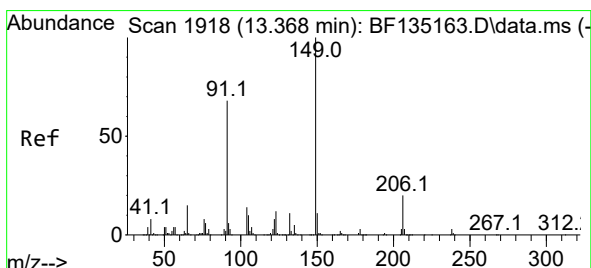
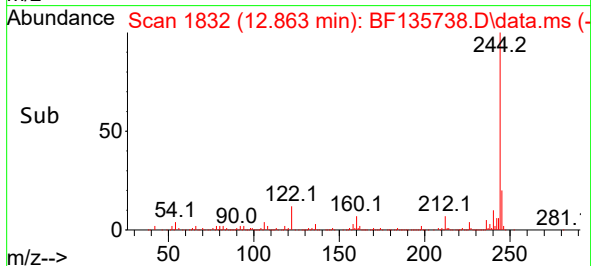
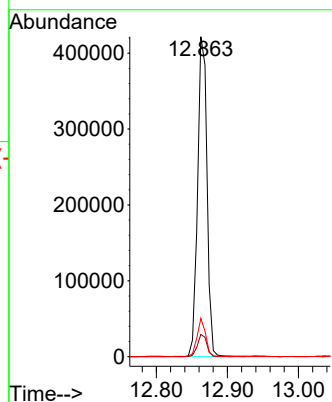
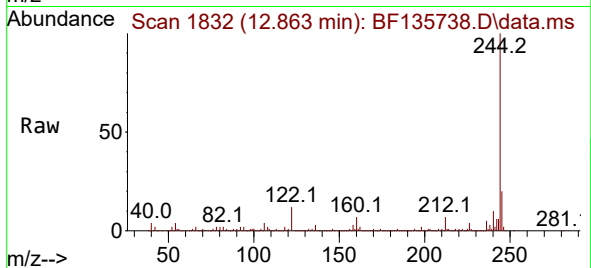
Tgt Ion:244 Resp: 390375

Ion Ratio Lower Upper

244 100

212 6.9 5.1 7.7

122 12.0 7.9 11.9#



#80

Butylbenzylphthalate

Concen: 2.088 ng

RT: 13.345 min Scan# 1914

Delta R.T. -0.000 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

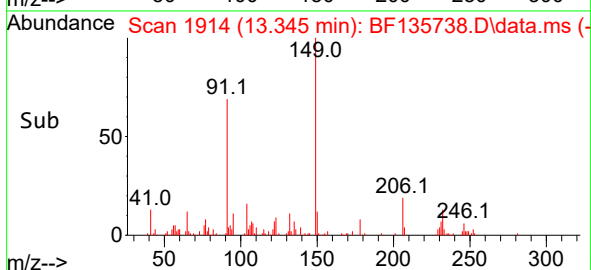
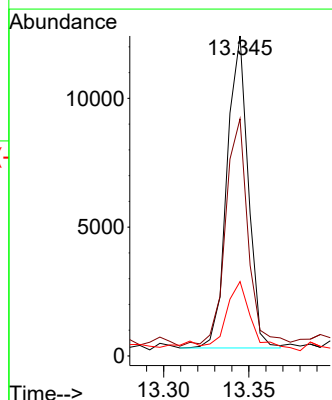
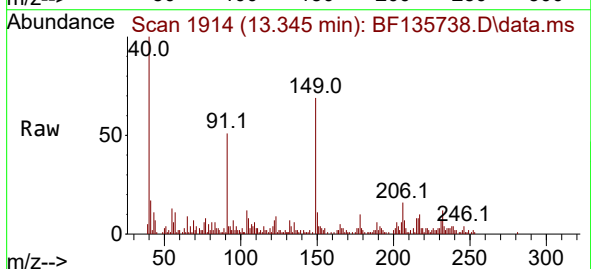
Tgt Ion:149 Resp: 10463

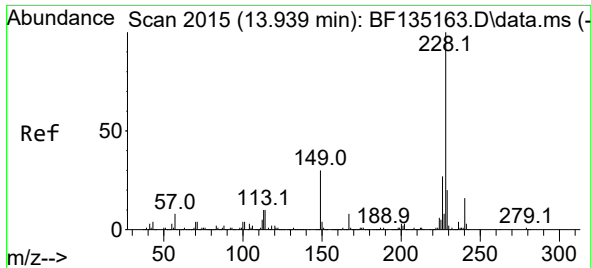
Ion Ratio Lower Upper

149 100

91 74.1 54.7 82.1

206 23.3 16.3 24.5

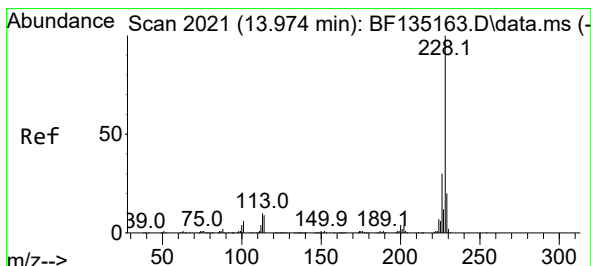
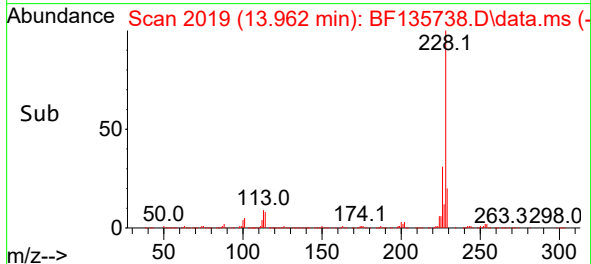
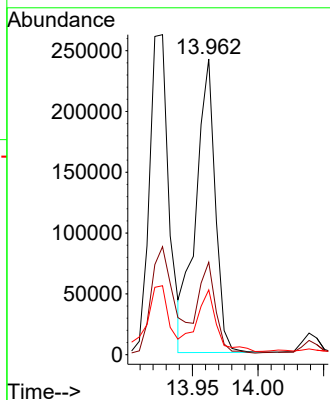
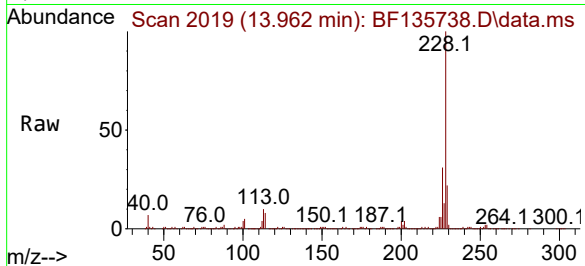




#81
Benzo(a)anthracene
Concen: 25.822 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.035 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

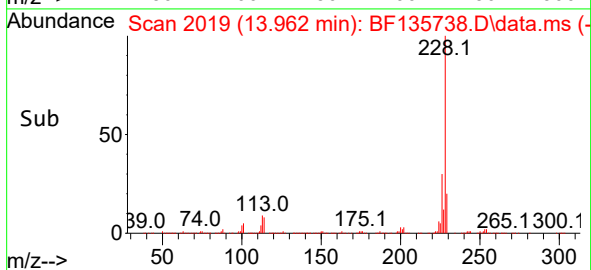
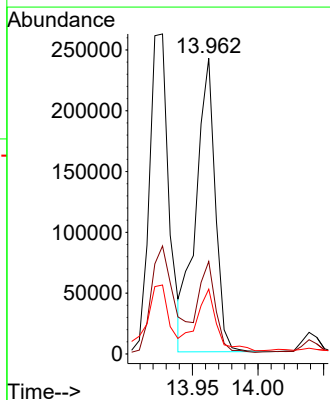
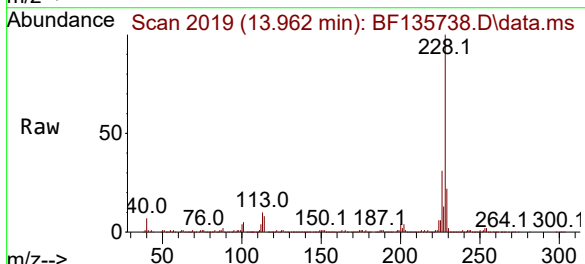
Instrument :
BNA_F
ClientSampleId :
W-2(0-2IN)

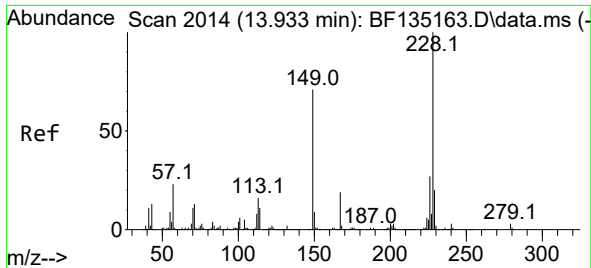
Tgt Ion:228 Resp: 249201
Ion Ratio Lower Upper
228 100
226 31.3 21.7 32.5
229 21.9 15.8 23.8



#83
Chrysene
Concen: 25.972 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion:228 Resp: 249201
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 21.9 16.0 24.0

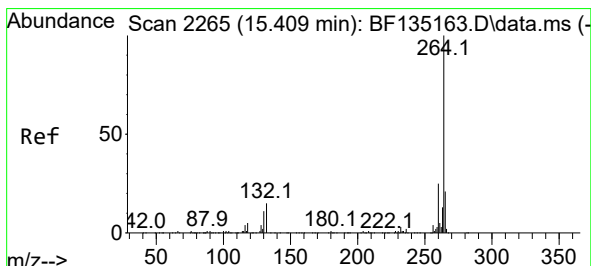
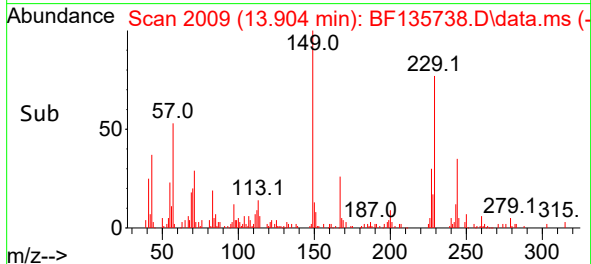
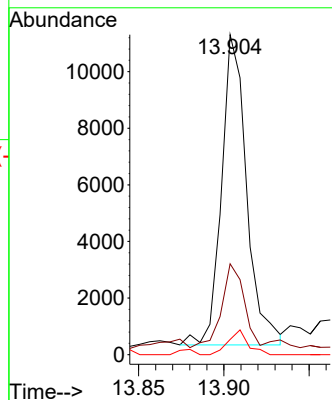
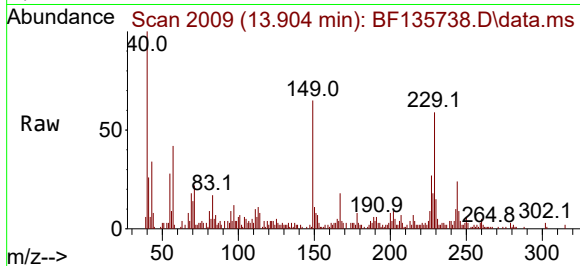




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.189 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

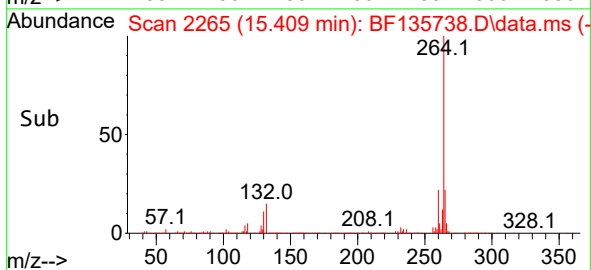
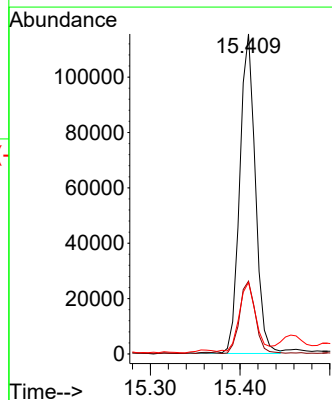
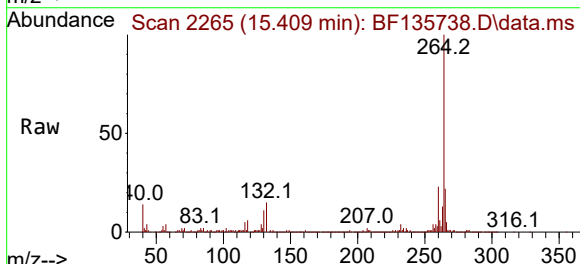
Instrument :
BNA_F
ClientSampleId :
W-2(0-2IN)

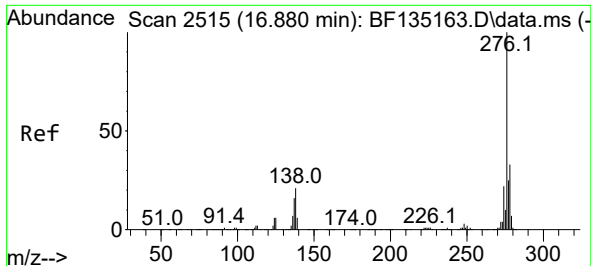
Tgt Ion:	149	Resp:	11252
Ion Ratio	Lower	Upper	
149	100		
167	28.4	21.9	32.9
279	4.8	3.3	4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF135738.D
Acq: 12 Oct 2023 16:59

Tgt Ion:	264	Resp:	139308
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.8	29.6
265	22.4	17.0	25.4

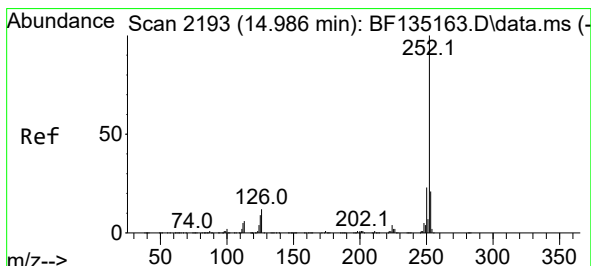
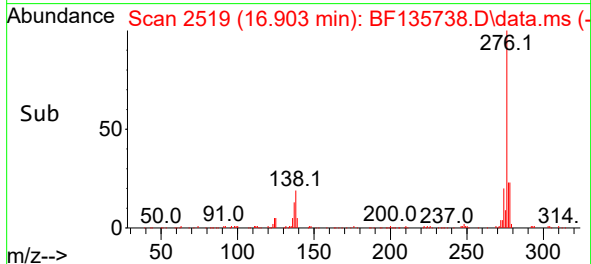
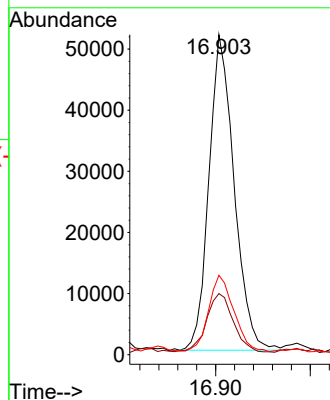
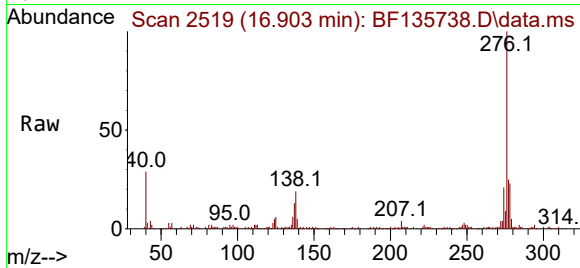




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.436 ng
 RT: 16.903 min Scan# 2119
 Delta R.T. -0.000 min
 Lab File: BF135738.D
 Acq: 12 Oct 2023 16:59

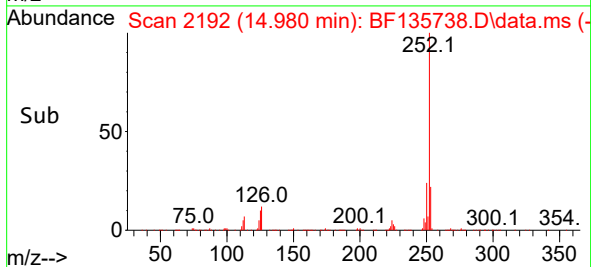
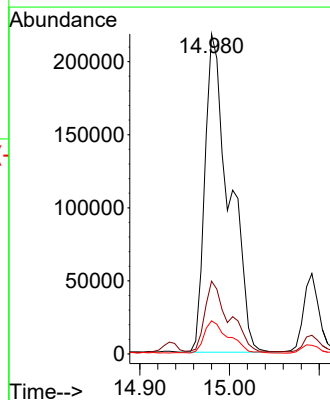
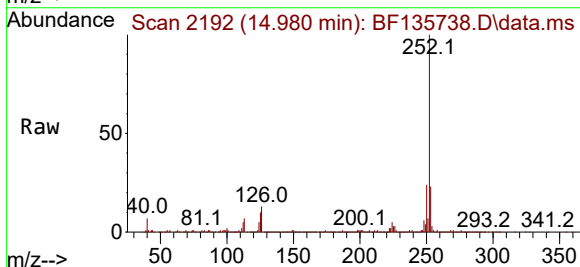
Instrument :
 BNA_F
 ClientSampleId :
 W-2(0-2IN)

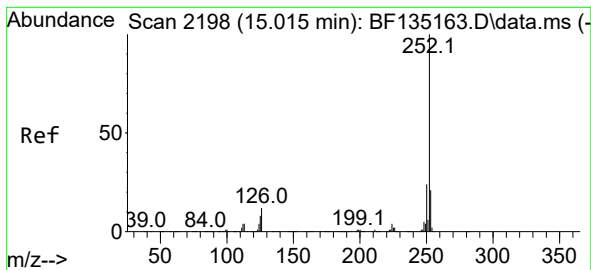
Tgt Ion:276 Resp: 95325
 Ion Ratio Lower Upper
 276 100
 138 19.6 19.2 28.8
 277 24.3 19.7 29.5



#88
 Benzo(b)fluoranthene
 Concen: 54.601 ng
 RT: 14.980 min Scan# 2192
 Delta R.T. -0.000 min
 Lab File: BF135738.D
 Acq: 12 Oct 2023 16:59

Tgt Ion:252 Resp: 411763
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.2 25.8
 125 10.3 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 55.275 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.024 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

Instrument :

BNA_F

ClientSampleId :

W-2(0-2IN)

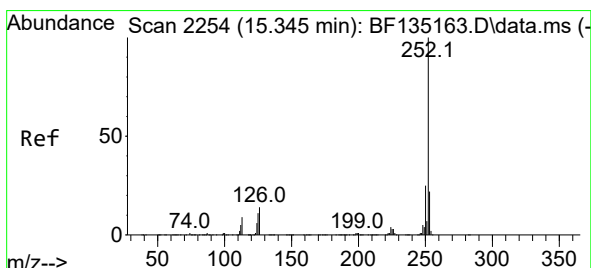
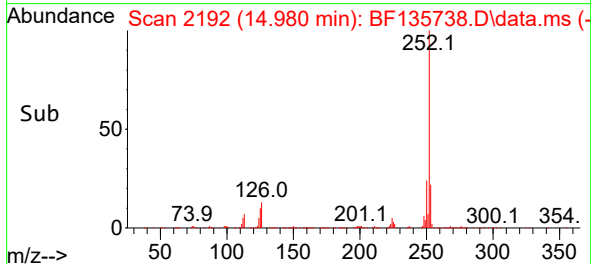
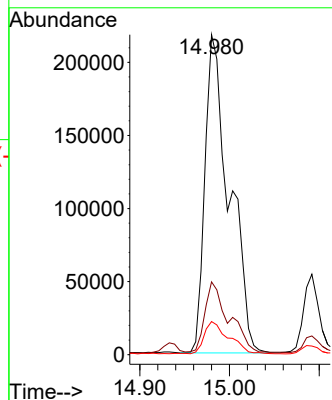
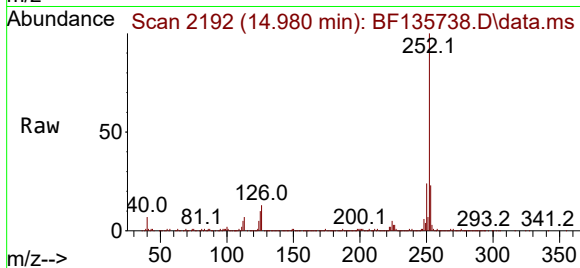
Tgt Ion:252 Resp: 411763

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 10.3 7.2 10.8



#90

Benzo(a)pyrene

Concen: 29.320 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.000 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

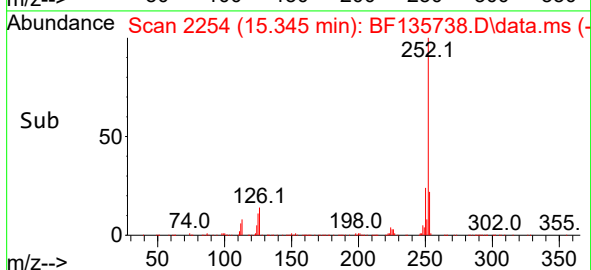
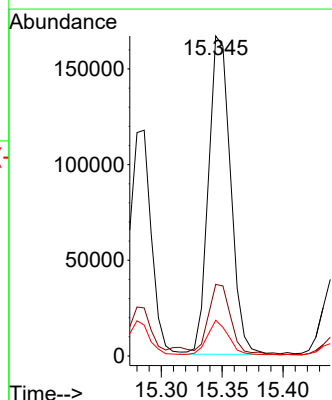
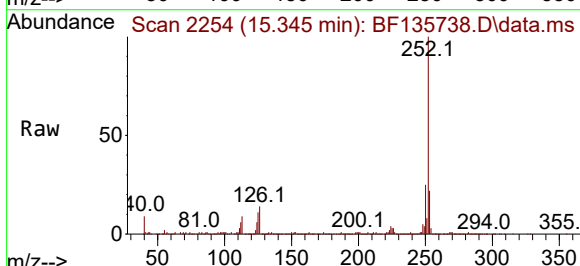
Tgt Ion:252 Resp: 210855

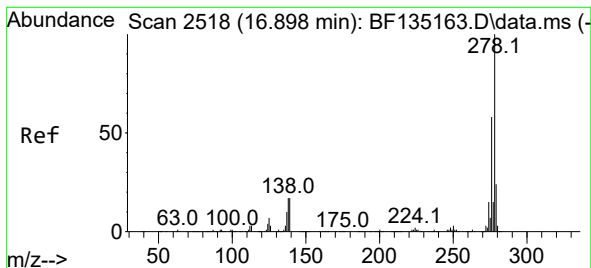
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 11.1 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 2.205 ng

RT: 16.703 min Scan# 2485

Delta R.T. -0.206 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

Instrument :

BNA_F

ClientSampleId :

W-2(0-2IN)

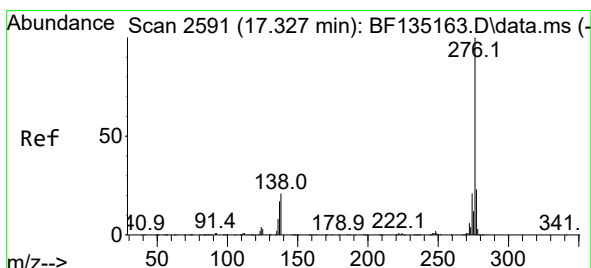
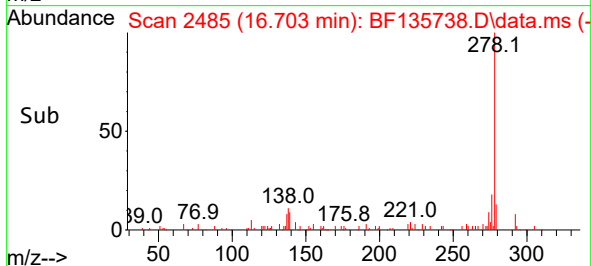
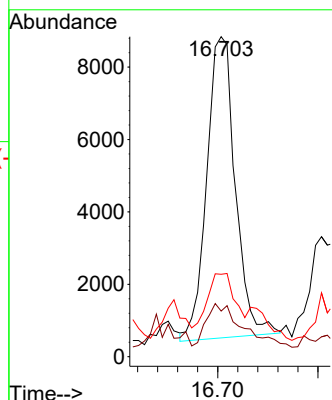
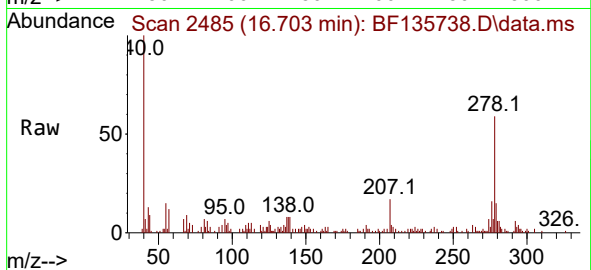
Tgt Ion:278 Resp: 16481

Ion Ratio Lower Upper

278 100

139 14.3 13.4 20.0

279 25.8 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 11.746 ng

RT: 17.356 min Scan# 2596

Delta R.T. 0.006 min

Lab File: BF135738.D

Acq: 12 Oct 2023 16:59

Tgt Ion:276 Resp: 91682

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 22.7 16.9 25.3

