

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135657.D
 Acq On : 09 Oct 2023 18:36
 Operator : CG\JU
 Sample : 04787-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-10052023

Quant Time: Oct 09 18:55:53 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 04 17:06:20 2023
 Response via : Initial Calibration

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

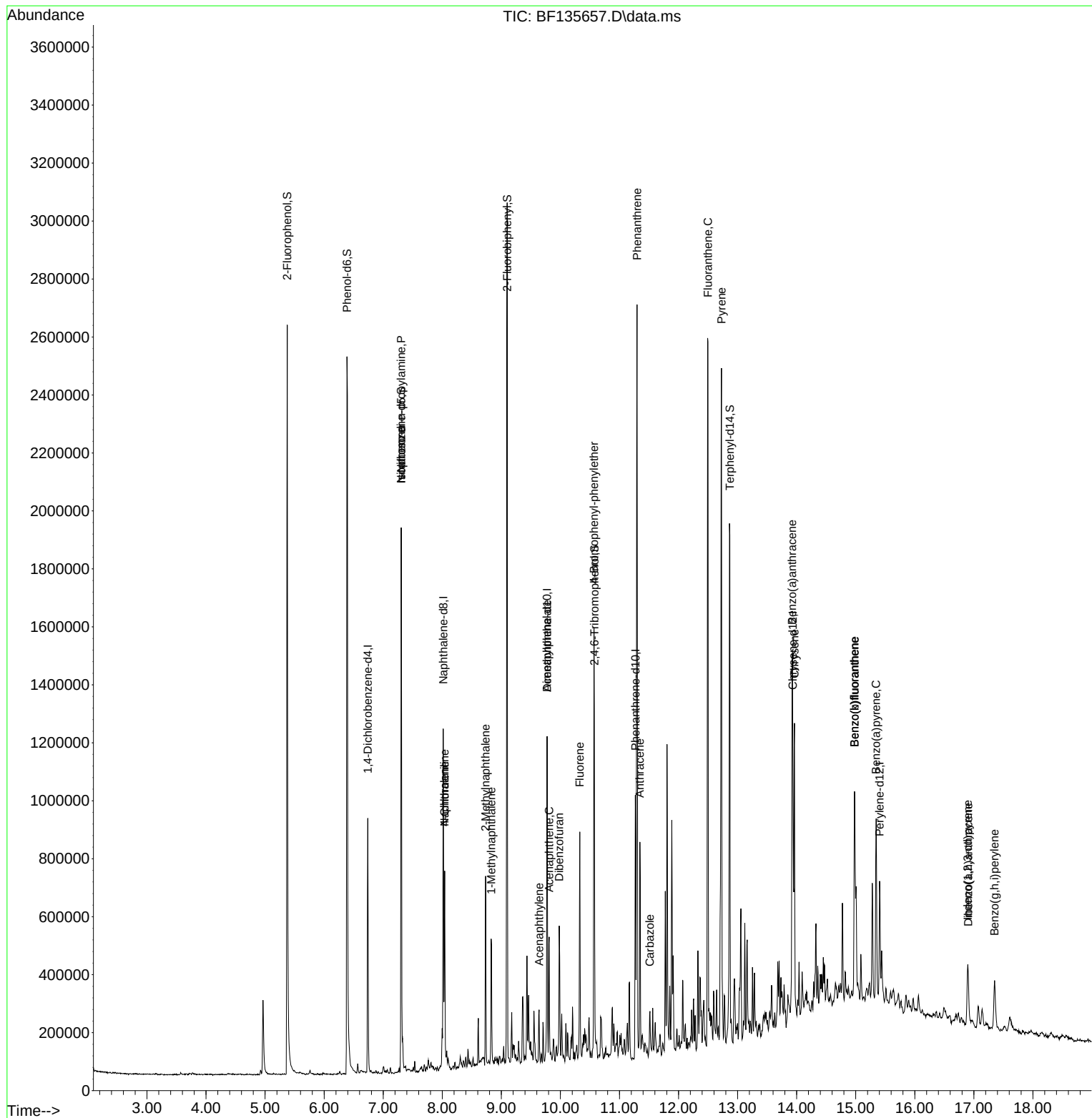
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	124163	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	460711	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	208978	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	332846	20.000	ng	0.00
76) Chrysene-d12	13.933	240	205860	20.000	ng	0.00
86) Perylene-d12	15.404	264	196125	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	745778	97.692	ng	0.00
7) Phenol-d6	6.387	99	920272	94.804	ng	0.00
23) Nitrobenzene-d5	7.304	82	552669	65.174	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	165574	79.728	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	917287	66.224	ng	0.00
79) Terphenyl-d14	12.869	244	667223	50.244	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	73191	12.173	ng	# 80
25) Isophorone	7.304	82	552669	35.493	ng	# 65
31) Naphthalene	8.040	128	275165	12.293	ng	98
33) 4-Chloroaniline	8.040	127	35810	3.646	ng	# 32
37) 2-Methylnaphthalene	8.734	142	161522	10.735	ng	97
38) 1-Methylnaphthalene	8.828	142	120093	8.525	ng	94
49) Acenaphthylene	9.639	152	44084	2.276	ng	# 92
50) Dimethylphthalate	9.775	163	40109	2.839	ng	# 1
52) Acenaphthene	9.810	154	91835	8.028	ng	98
55) Dibenzofuran	9.981	168	137058	7.851	ng	# 94
58) Fluorene	10.328	166	209407	15.604	ng	98
67) 4-Bromophenyl-phenylether	10.569	248	10663	3.221	ng	# 1
71) Phenanthrene	11.298	178	984184	62.519	ng	99
72) Anthracene	11.345	178	278342	17.201	ng	98
73) Carbazole	11.516	167	50945	3.459	ng	99
75) Fluoranthene	12.498	202	1081864	65.954	ng	98
78) Pyrene	12.727	202	1018250	51.953	ng	100
81) Benzo(a)anthracene	13.922	228	466842	35.120	ng	98
83) Chrysene	13.963	228	416846	31.540	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	145728	11.333	ng	97
88) Benzo(b)fluoranthene	14.980	252	553489	52.133	ng	# 97
89) Benzo(k)fluoranthene	14.980	252	553489	52.775	ng	# 97
90) Benzo(a)pyrene	15.345	252	305074	30.132	ng	98
91) Dibenzo(a,h)anthracene	16.904	278	38563	3.665	ng	# 90
92) Benzo(g,h,i)perylene	17.351	276	133934	12.189	ng	98

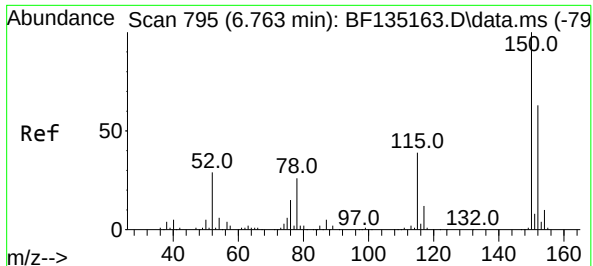
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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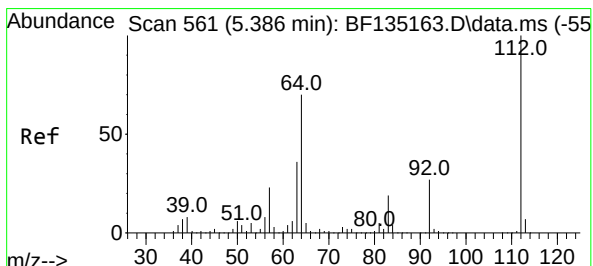
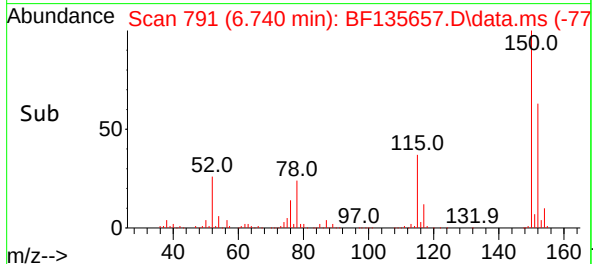
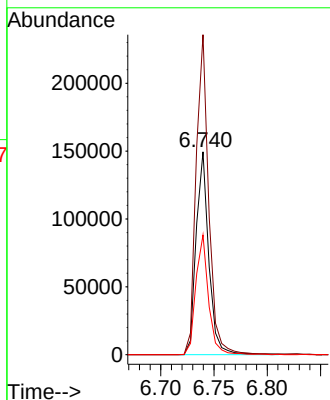
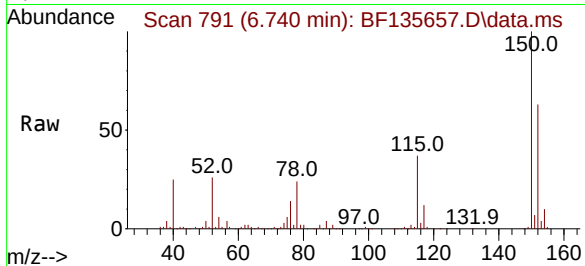




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

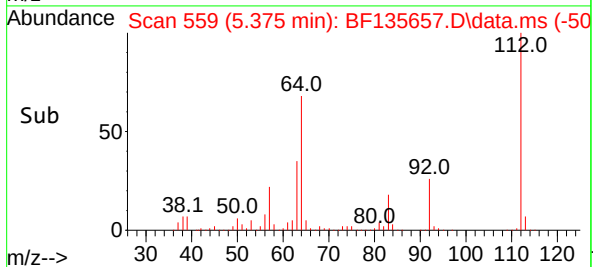
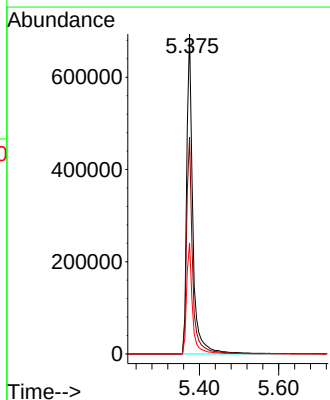
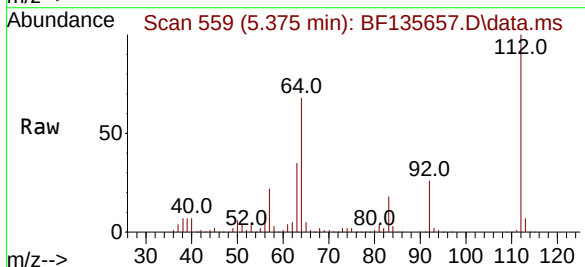
Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

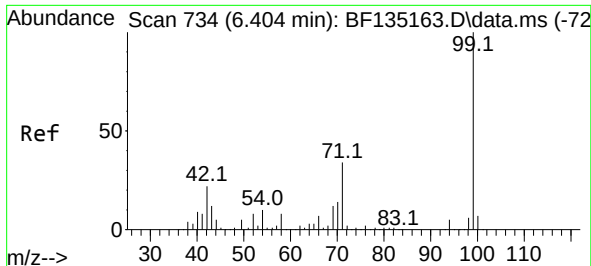
Tgt Ion:152 Resp: 124163
Ion Ratio Lower Upper
152 100
150 157.7 127.8 191.6
115 59.0 49.8 74.8



#5
2-Fluorophenol
Concen: 97.692 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:112 Resp: 745778
Ion Ratio Lower Upper
112 100
64 67.8 55.9 83.9
63 34.7 29.0 43.6

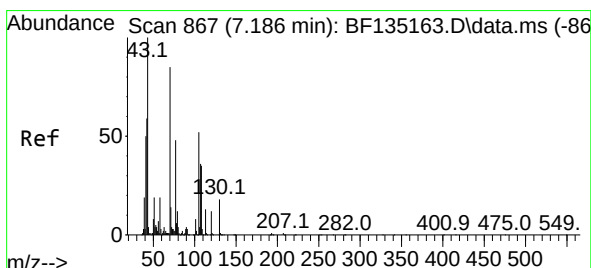
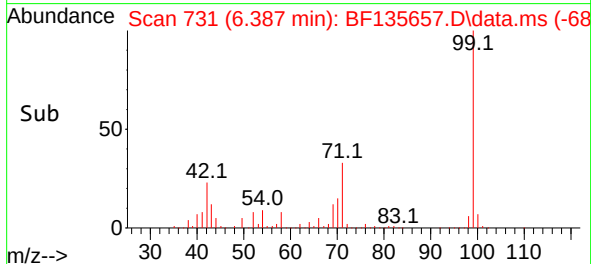
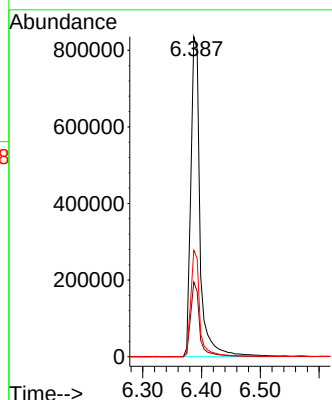
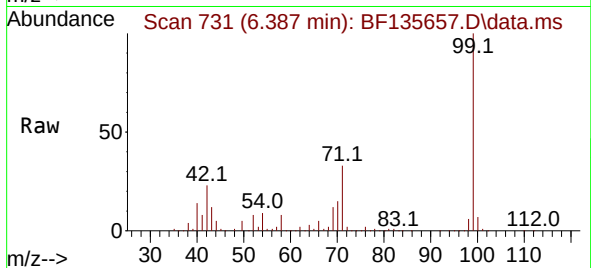




#7
Phenol-d6
Concen: 94.804 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

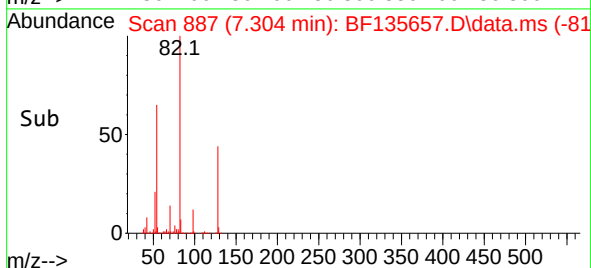
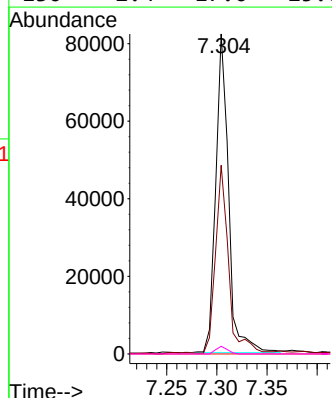
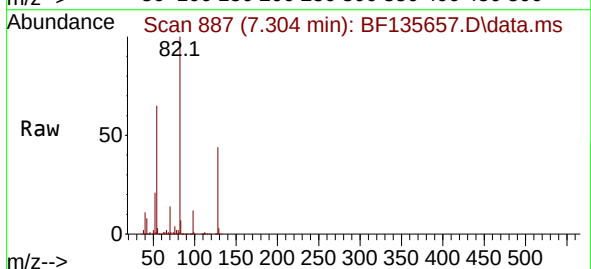
Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

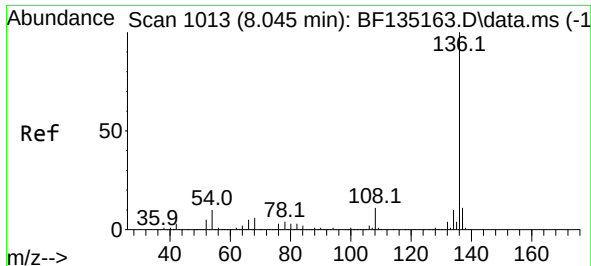
Tgt Ion: 99 Resp: 920272
Ion Ratio Lower Upper
99 100
42 23.4 17.9 26.9
71 33.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.173 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion: 70 Resp: 73191
Ion Ratio Lower Upper
70 100
42 58.9 55.4 83.0
101 0.0 7.7 11.5#
130 2.4 17.0 25.6#

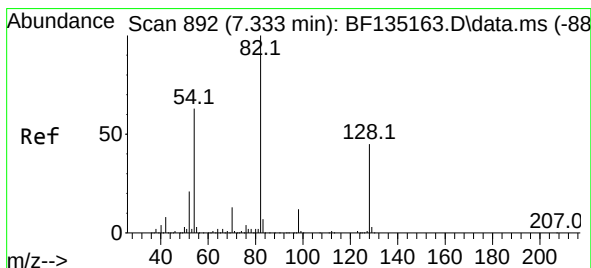
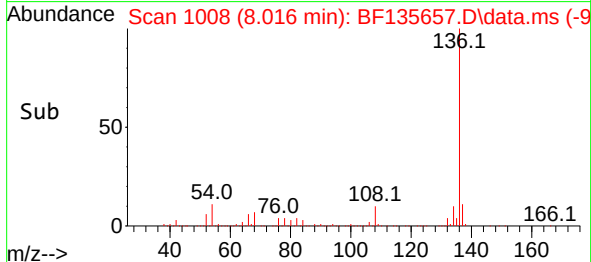
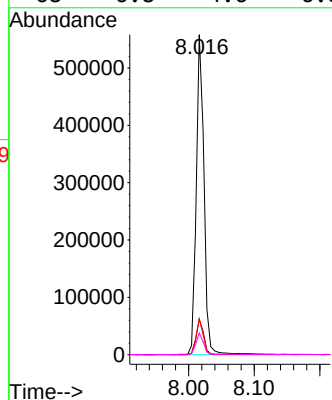
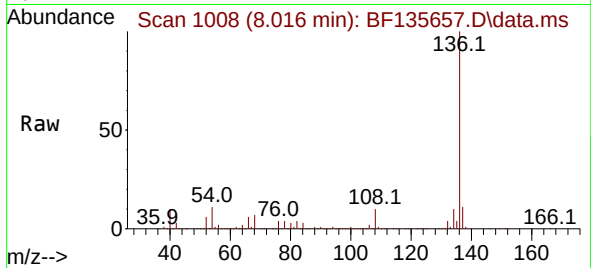




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

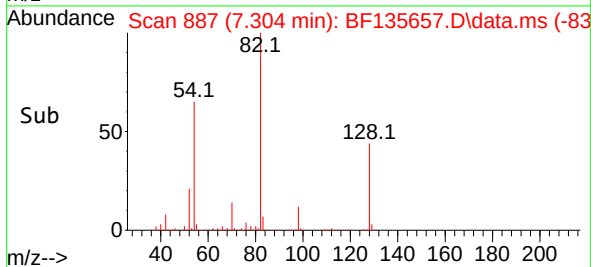
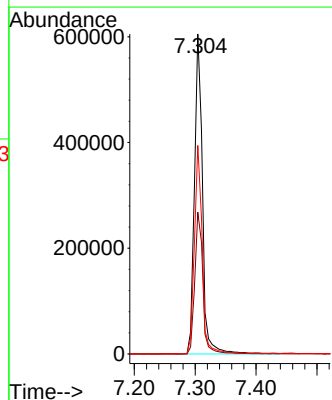
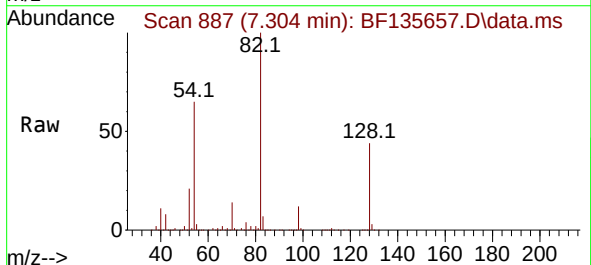
Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

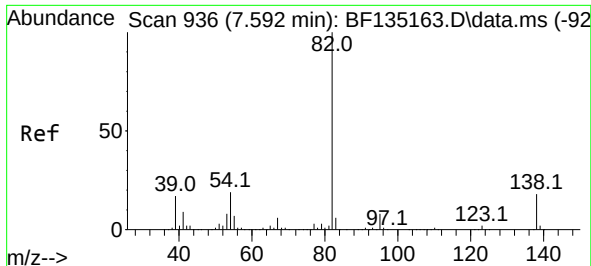
Tgt Ion:136 Resp: 460711
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.1 7.7 11.5
68 6.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 65.174 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion: 82 Resp: 552669
Ion Ratio Lower Upper
82 100
128 44.3 35.8 53.6
54 65.2 50.6 76.0

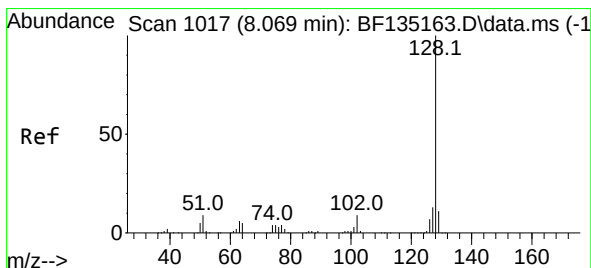
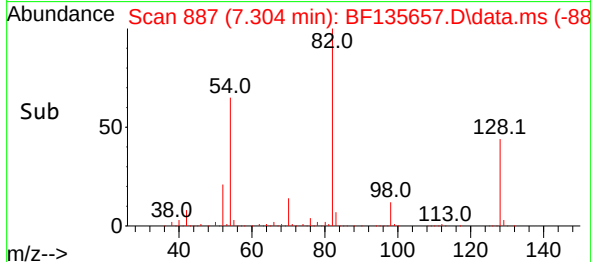
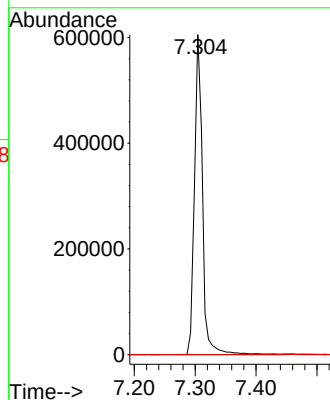
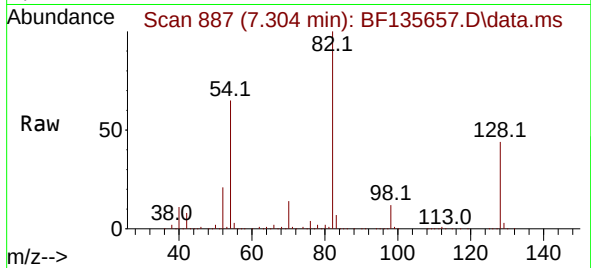




#25
Isophorone
Concen: 35.493 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

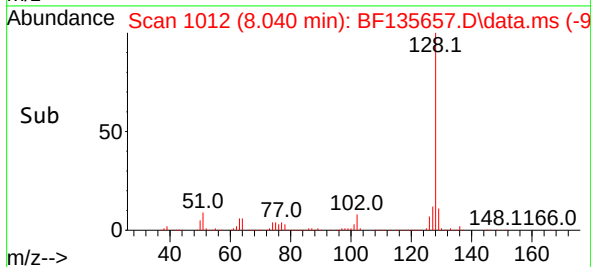
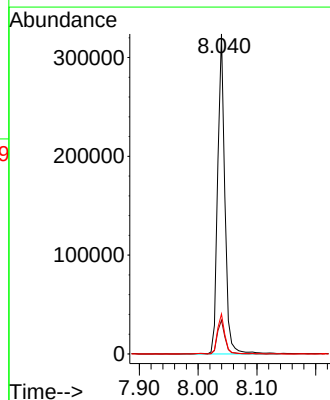
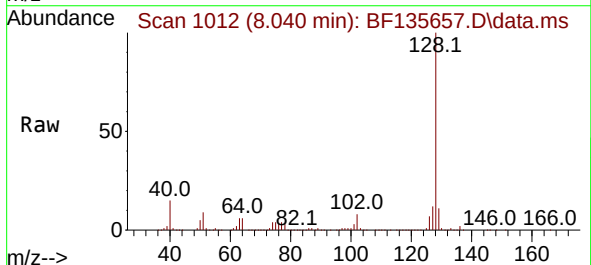
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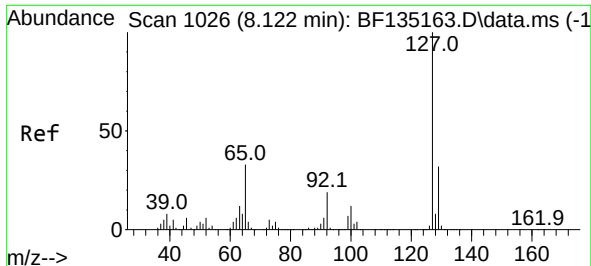
Tgt Ion: 82 Resp: 552669
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 12.293 ng
RT: 8.040 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:128 Resp: 275165
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.5 10.7 16.1

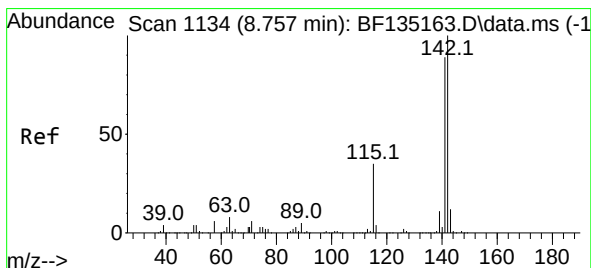
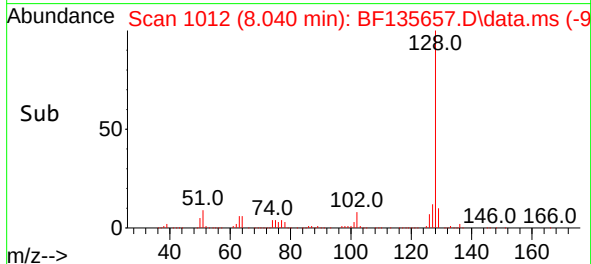
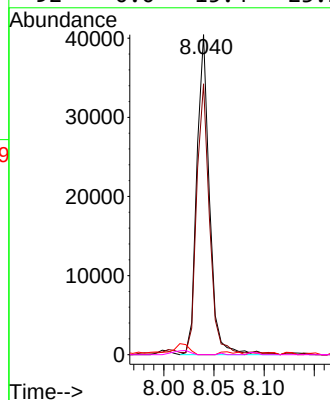
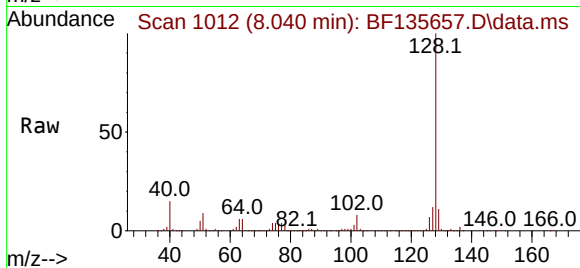




#33
4-Chloroaniline
Concen: 3.646 ng
RT: 8.040 min Scan# 1026
Delta R.T. -0.059 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

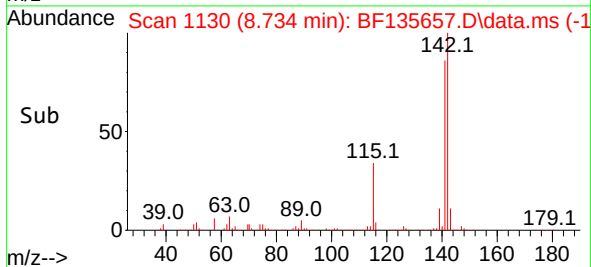
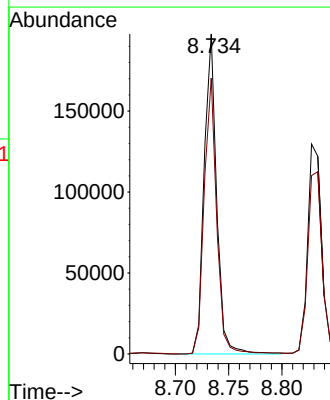
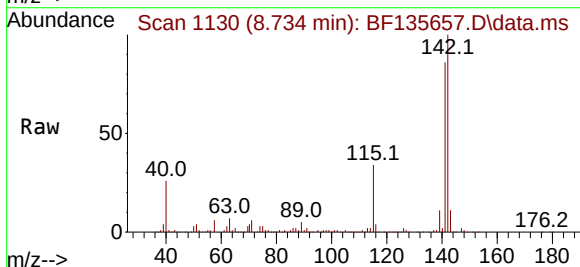
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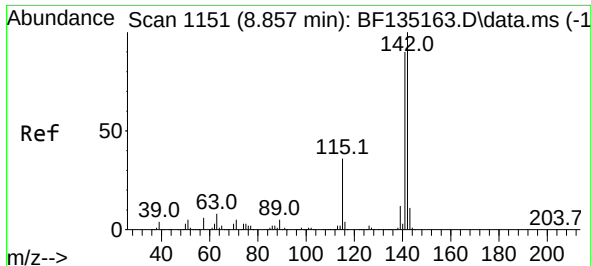
Tgt Ion:127	Resp:	35810
Ion Ratio	Lower	Upper
127	100	
129	84.7	25.8 38.8#
65	0.0	26.6 39.8#
92	0.0	15.4 23.2#



#37
2-Methylnaphthalene
Concen: 10.735 ng
RT: 8.734 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:142	Resp:	161522
Ion Ratio	Lower	Upper
142	100	
141	86.2	71.0 106.6

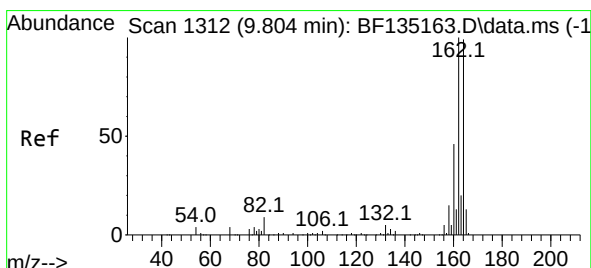
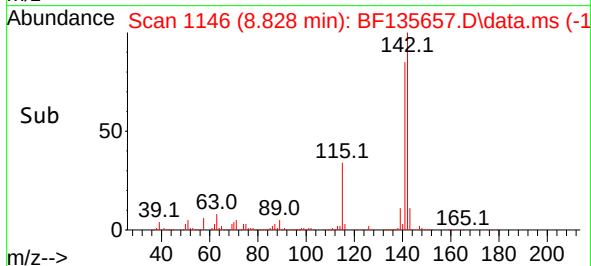
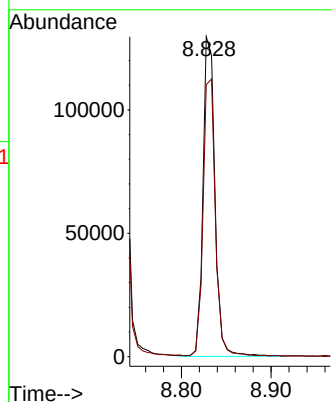
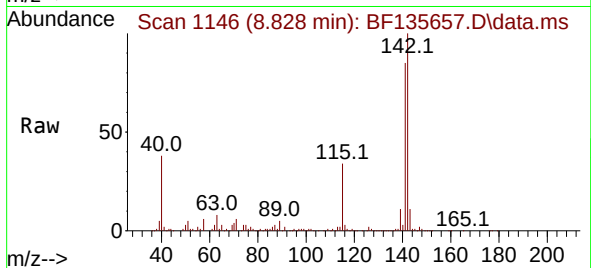




#38
1-Methylnaphthalene
Concen: 8.525 ng
RT: 8.828 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

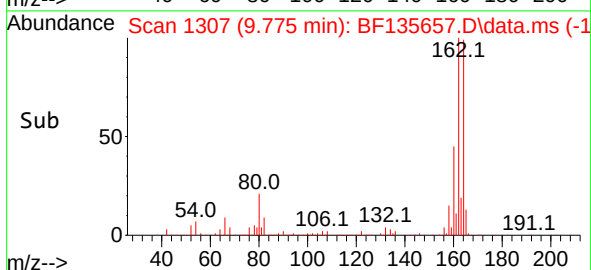
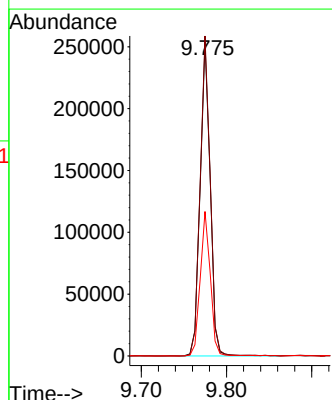
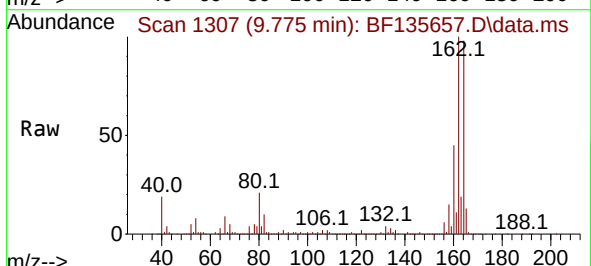
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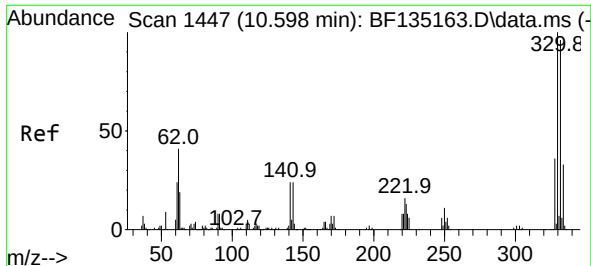
Tgt Ion:142 Resp: 120093
Ion Ratio Lower Upper
142 100
141 85.0 72.4 108.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:164 Resp: 208978
Ion Ratio Lower Upper
164 100
162 101.9 81.0 121.4
160 46.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 79.728 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.006 min

Lab File: BF135657.D

Acq: 09 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

PL-02-10052023

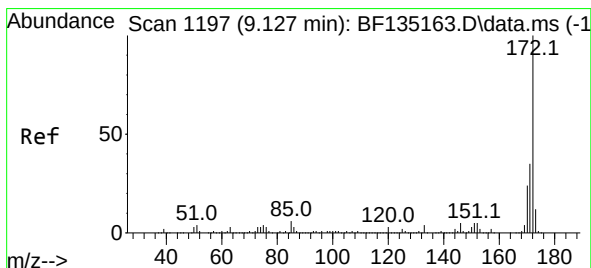
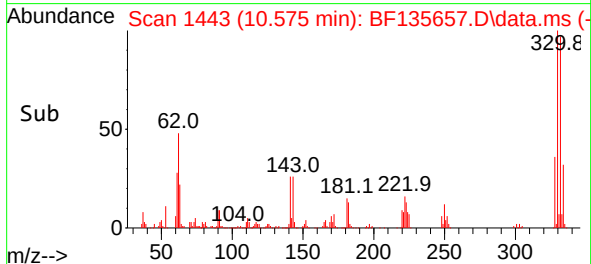
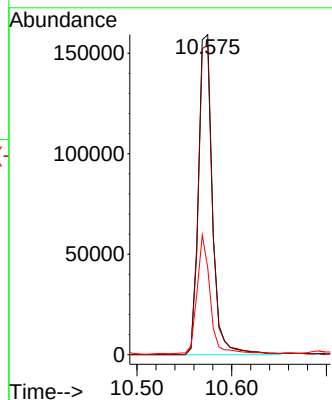
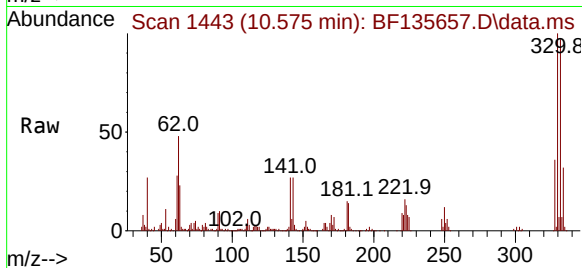
Tgt Ion:330 Resp: 165574

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 34.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 66.224 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF135657.D

Acq: 09 Oct 2023 18:36

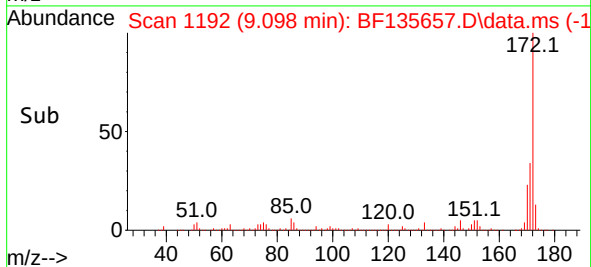
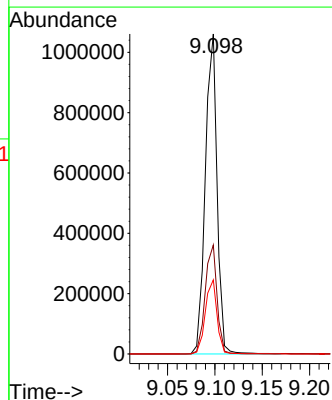
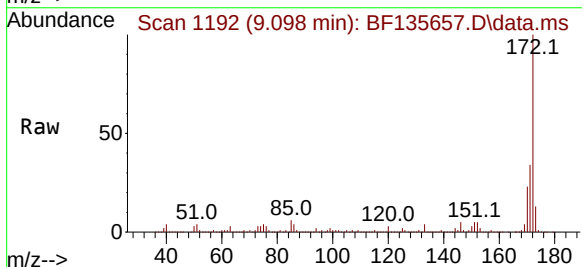
Tgt Ion:172 Resp: 917287

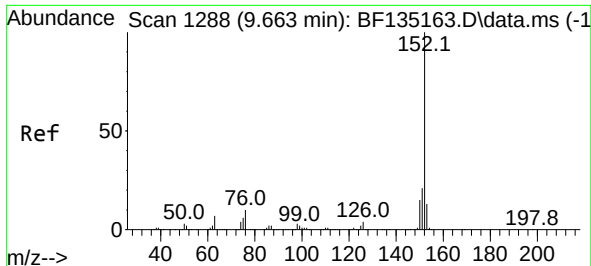
Ion Ratio Lower Upper

172 100

171 34.1 28.4 42.6

170 23.1 19.0 28.4

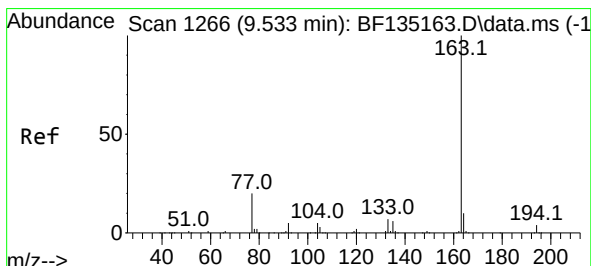
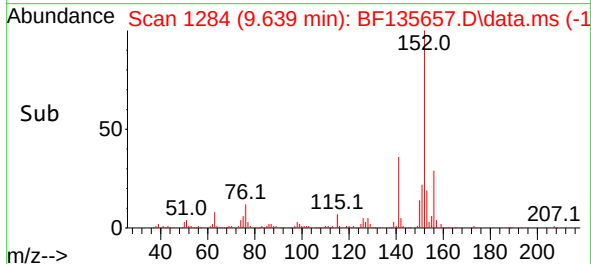
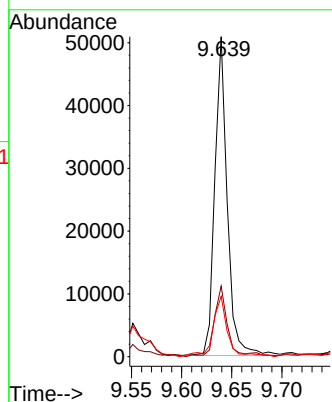
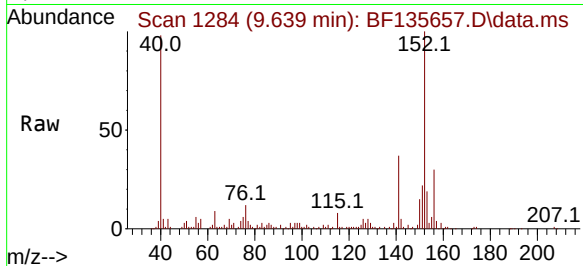




#49
Acenaphthylene
Concen: 2.276 ng
RT: 9.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

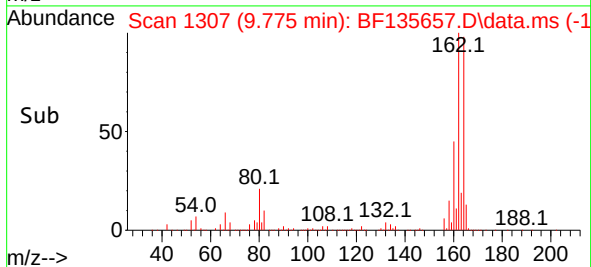
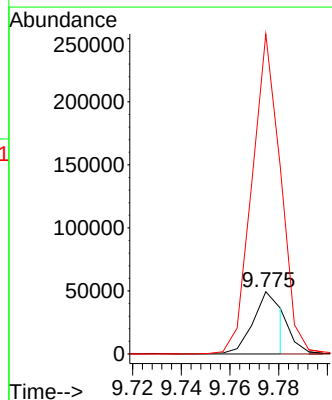
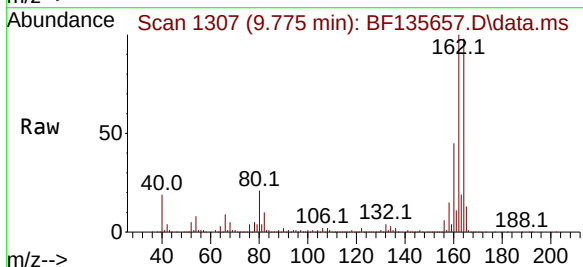
Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

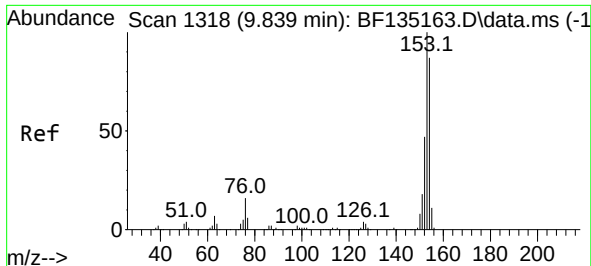
Tgt Ion:152 Resp: 44084
Ion Ratio Lower Upper
152 100
151 22.1 16.4 24.6
153 18.9 10.4 15.6#



#50
Dimethylphthalate
Concen: 2.839 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.271 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:163 Resp: 40109
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 513.7 8.1 12.1#

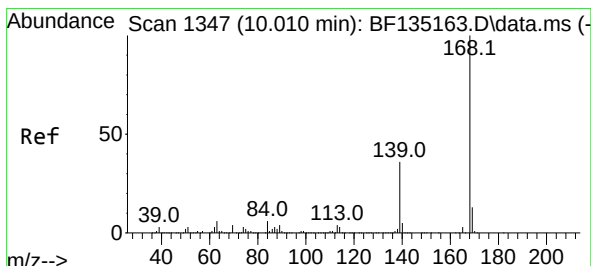
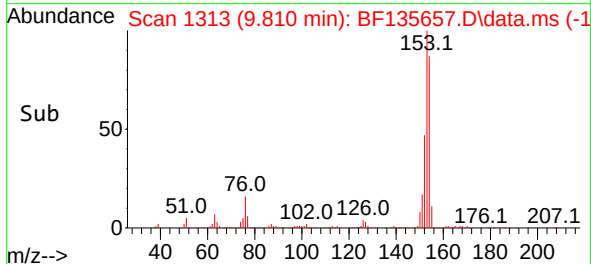
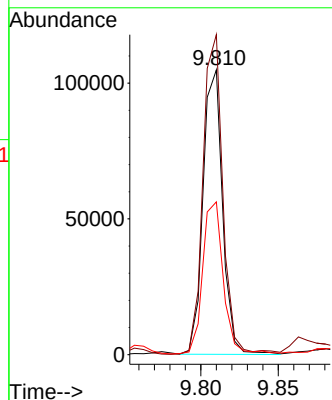
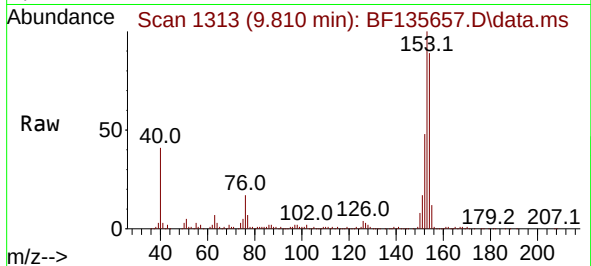




#52
Acenaphthene
Concen: 8.028 ng
RT: 9.810 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

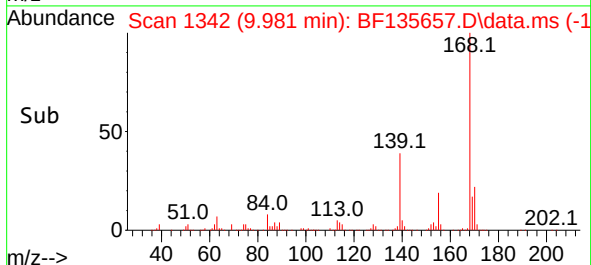
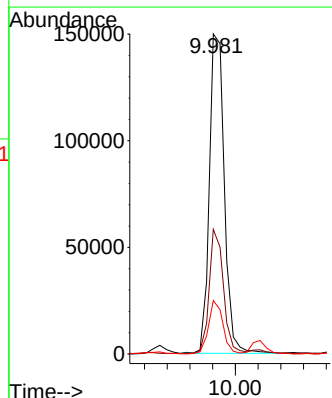
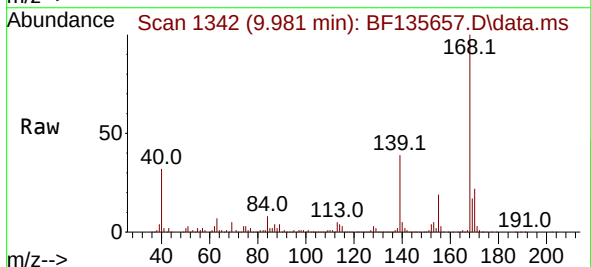
Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

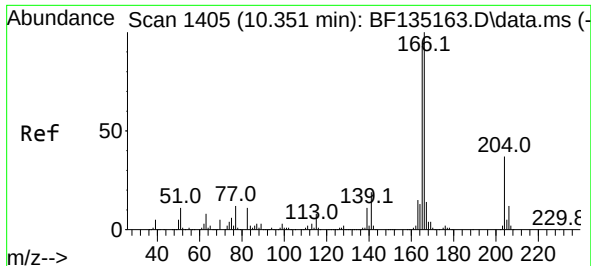
Tgt Ion:154 Resp: 91835
Ion Ratio Lower Upper
154 100
153 112.4 92.1 138.1
152 53.7 43.1 64.7



#55
Dibenzofuran
Concen: 7.851 ng
RT: 9.981 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:168 Resp: 137058
Ion Ratio Lower Upper
168 100
139 38.9 29.0 43.6
169 16.7 10.4 15.6#

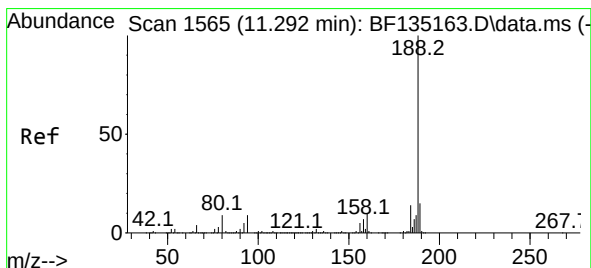
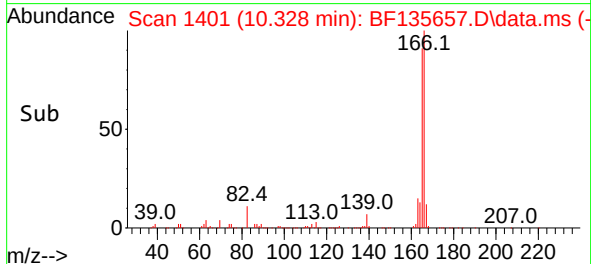
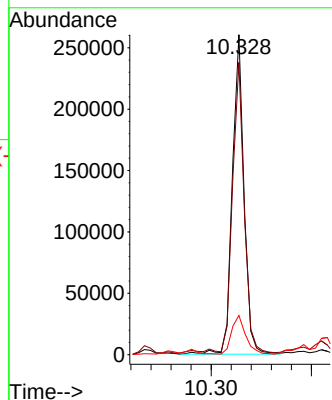
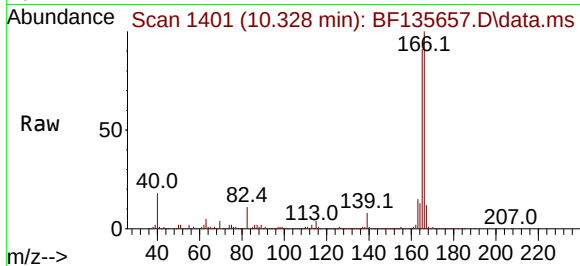




#58
Fluorene
Concen: 15.604 ng
RT: 10.328 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

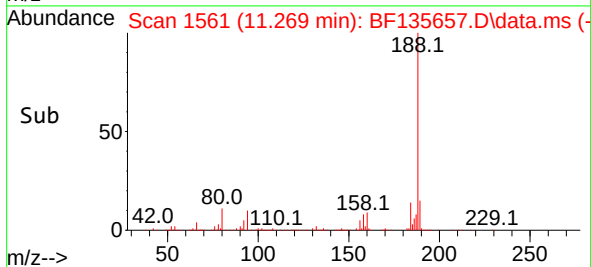
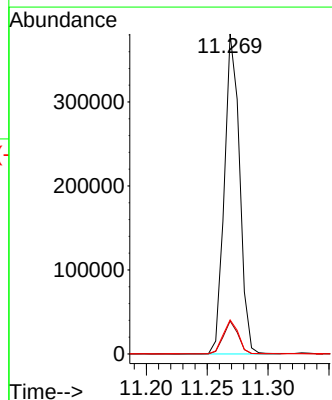
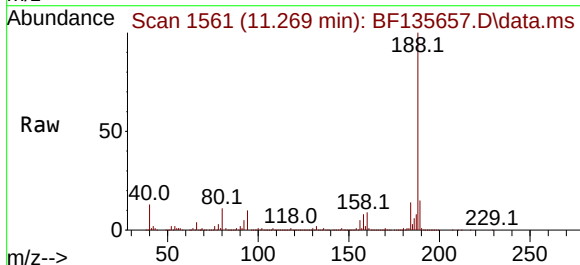
Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

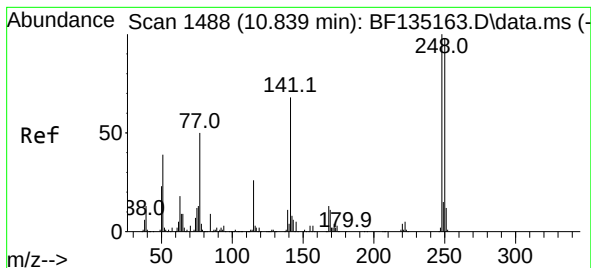
Tgt Ion:166 Resp: 209407
Ion Ratio Lower Upper
166 100
165 91.4 74.3 111.5
167 12.2 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:188 Resp: 332846
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.6
80 10.6 7.5 11.3

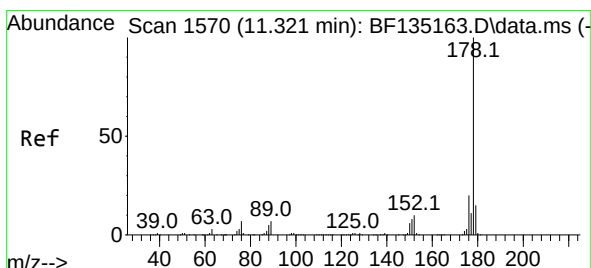
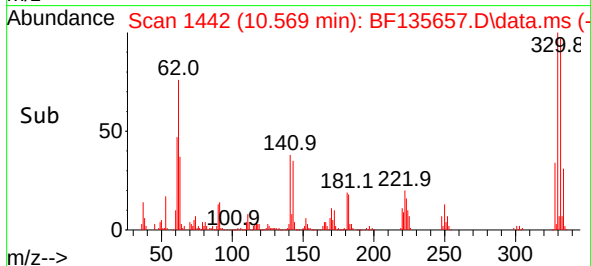
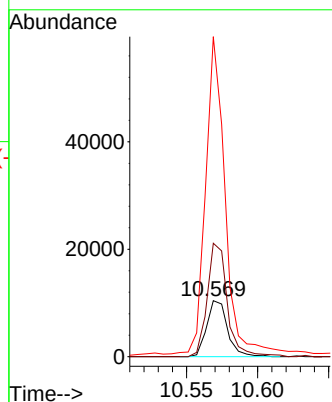
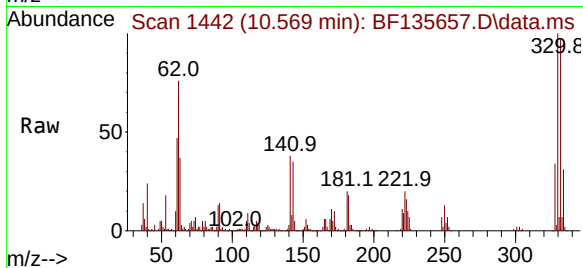




#67
4-Bromophenyl-phenylether
Concen: 3.221 ng
RT: 10.569 min Scan# 1488
Delta R.T. -0.241 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

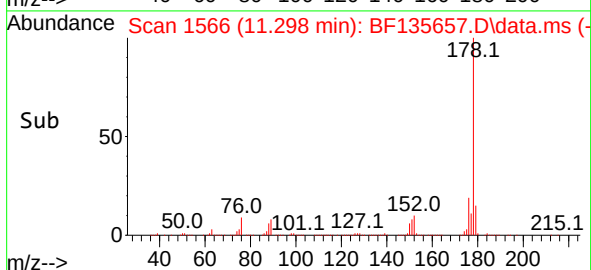
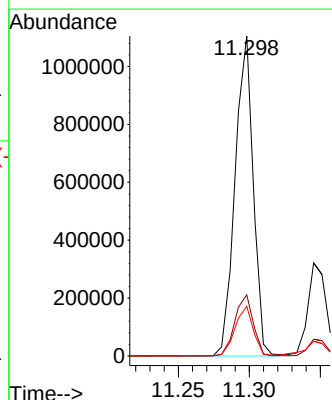
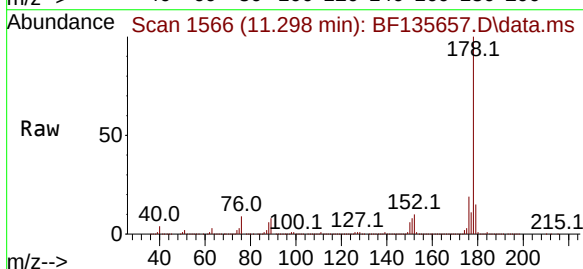
Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

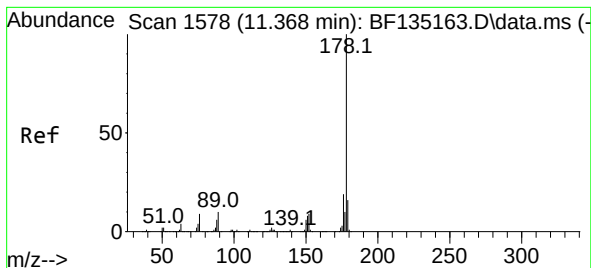
Tgt Ion:248 Resp: 10663
Ion Ratio Lower Upper
248 100
250 202.4 78.6 117.8#
141 571.0 54.2 81.2#



#71
Phenanthrene
Concen: 62.519 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.006 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:178 Resp: 984184
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.5 12.0 18.0





#72

Anthracene

Concen: 17.201 ng

RT: 11.345 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135657.D

Acq: 09 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

PL-02-10052023

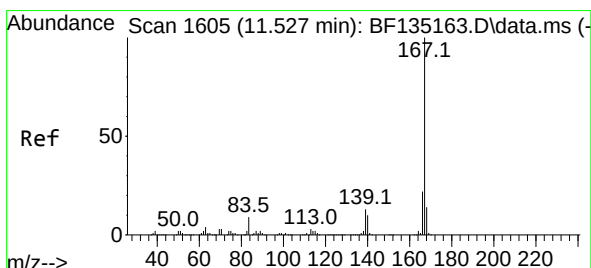
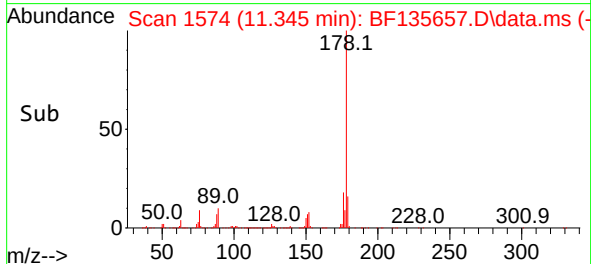
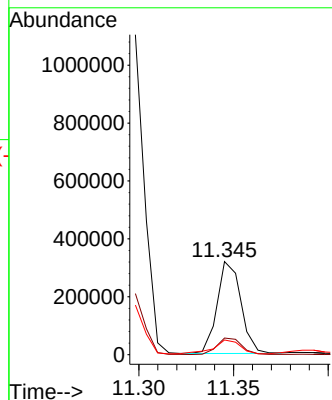
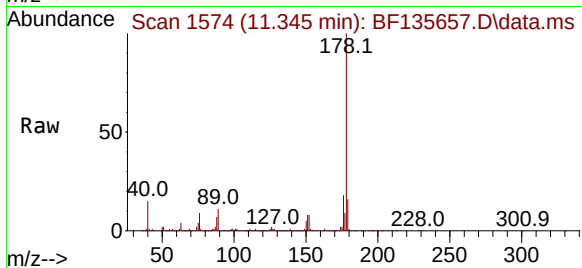
Tgt Ion:178 Resp: 278342

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

179 15.9 12.6 19.0



#73

Carbazole

Concen: 3.459 ng

RT: 11.516 min Scan# 1603

Delta R.T. 0.006 min

Lab File: BF135657.D

Acq: 09 Oct 2023 18:36

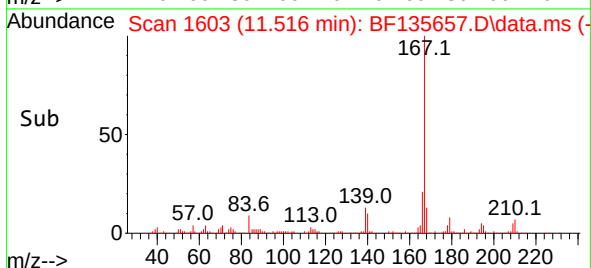
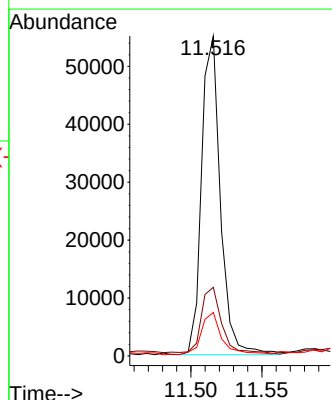
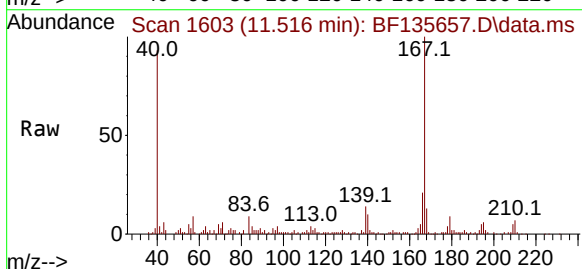
Tgt Ion:167 Resp: 50945

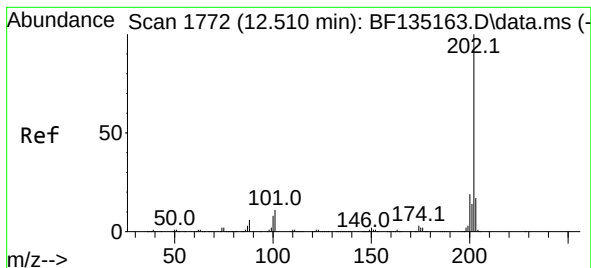
Ion Ratio Lower Upper

167 100

166 21.5 17.4 26.0

139 13.6 10.6 15.8





#75

Fluoranthene

Concen: 65.954 ng

RT: 12.498 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF135657.D

Acq: 09 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

PL-02-10052023

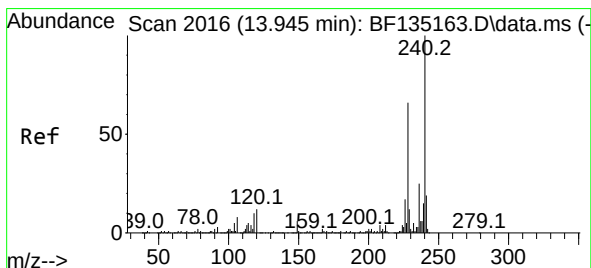
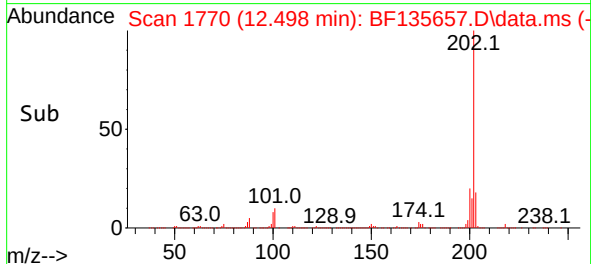
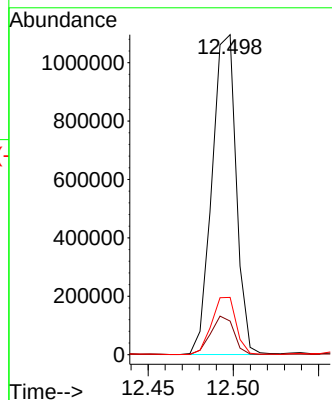
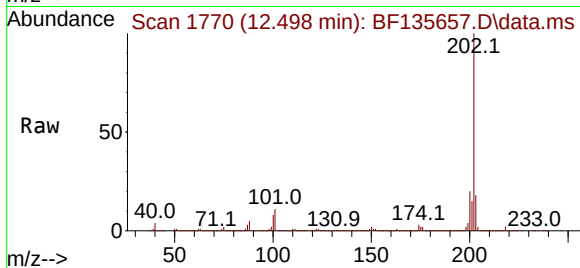
Tgt Ion:202 Resp: 1081864

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.3

203 17.9 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: BF135657.D

Acq: 09 Oct 2023 18:36

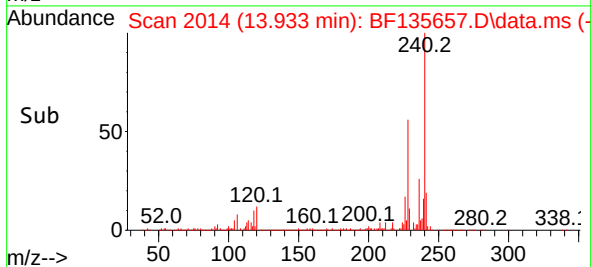
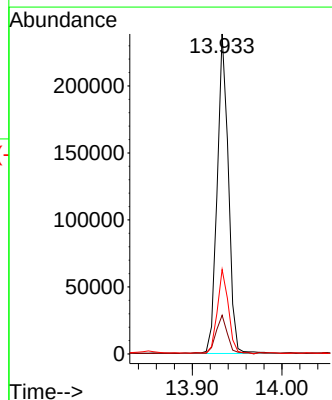
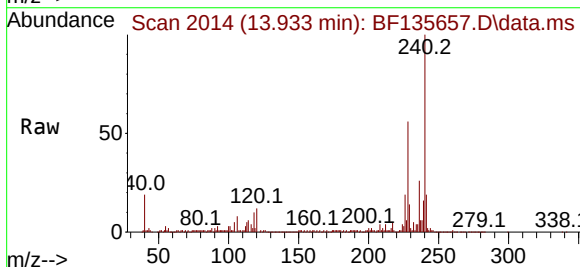
Tgt Ion:240 Resp: 205860

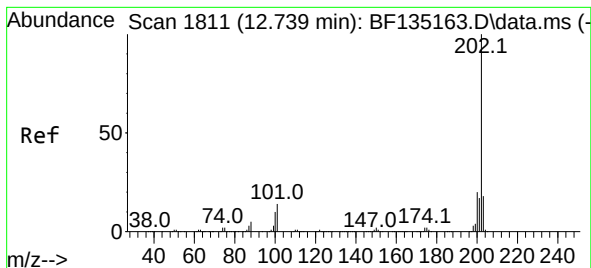
Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

236 26.4 19.8 29.8





#78

Pyrene

Concen: 51.953 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.012 min

Lab File: BF135657.D

Acq: 09 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

PL-02-10052023

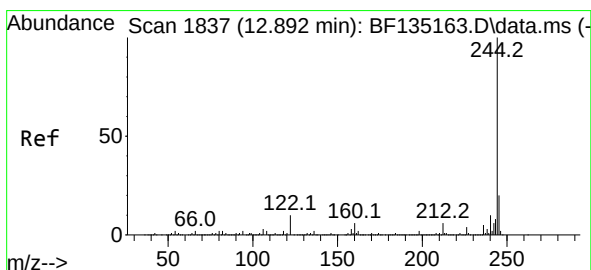
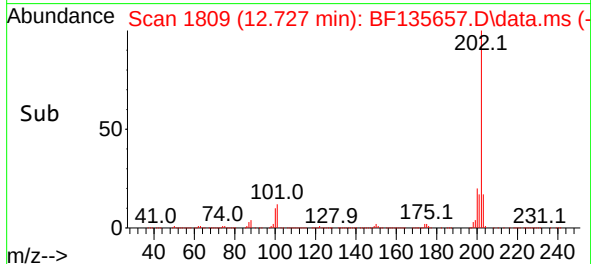
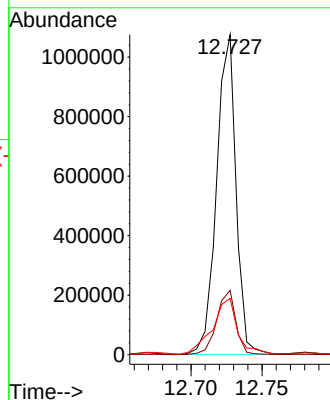
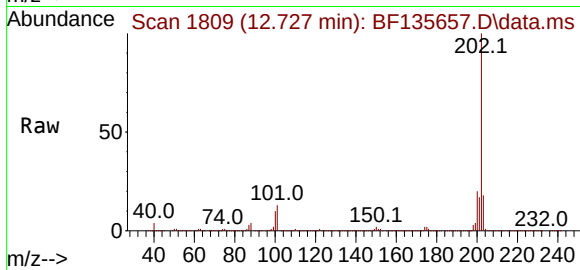
Tgt Ion:202 Resp: 1018250

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 17.6 14.2 21.4



#79

Terphenyl-d14

Concen: 50.244 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.006 min

Lab File: BF135657.D

Acq: 09 Oct 2023 18:36

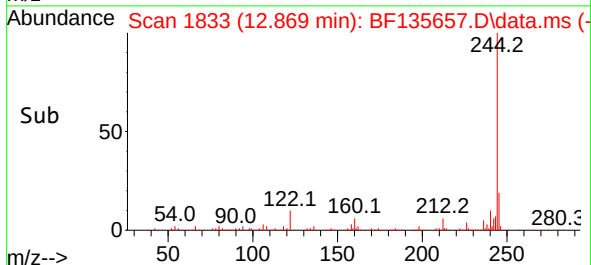
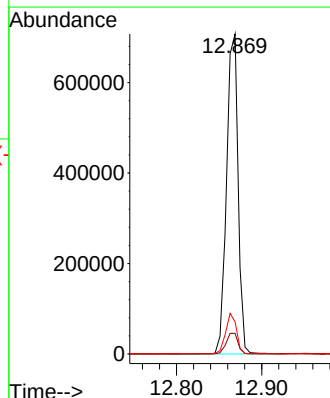
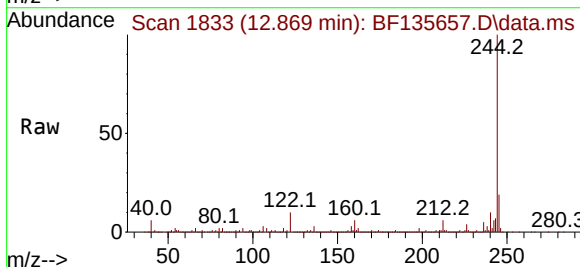
Tgt Ion:244 Resp: 667223

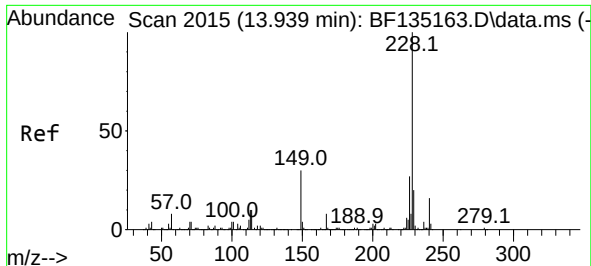
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.0 7.9 11.9

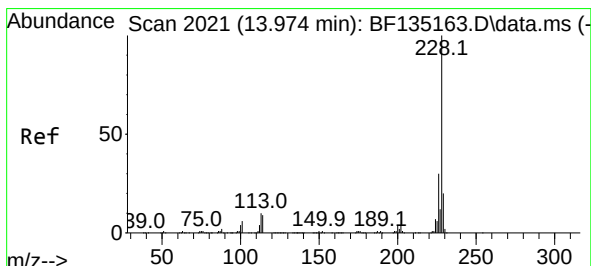
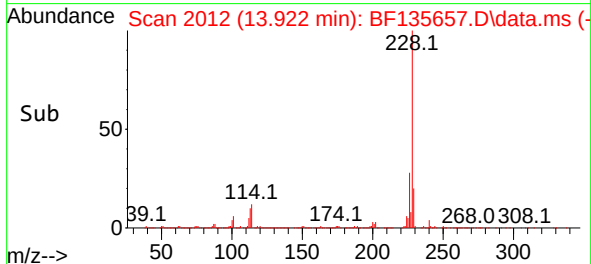
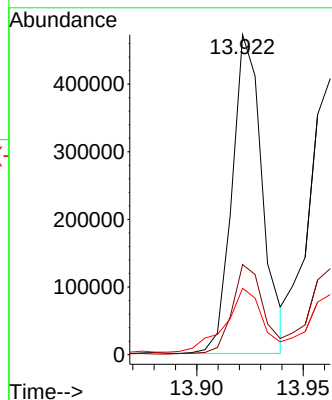
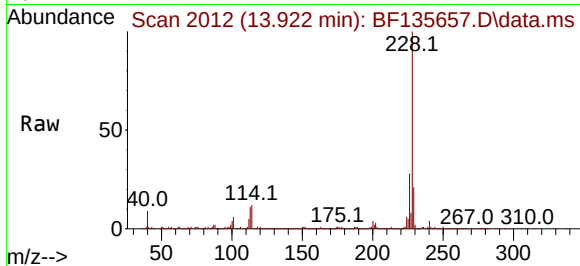




#81
Benzo(a)anthracene
Concen: 35.120 ng
RT: 13.922 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

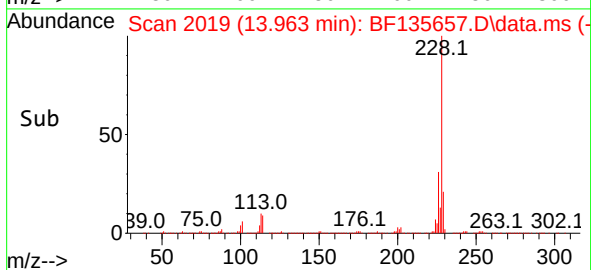
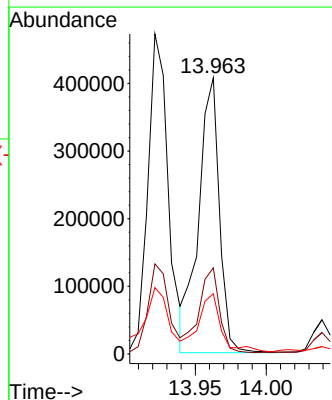
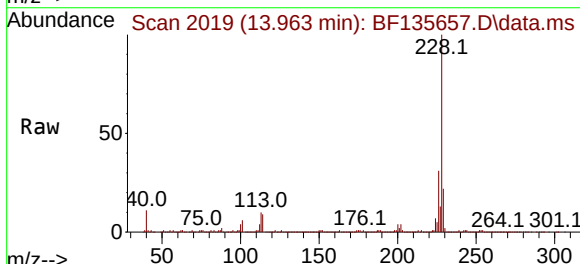
Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

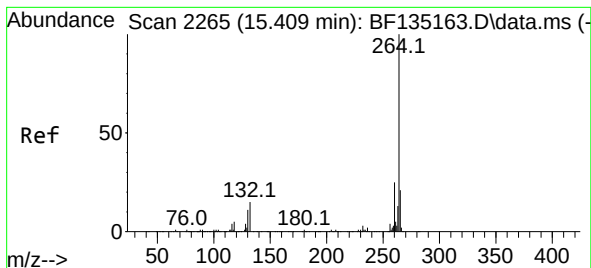
Tgt Ion:228 Resp: 466842
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 20.7 15.8 23.8



#83
Chrysene
Concen: 31.540 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.012 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:228 Resp: 416846
Ion Ratio Lower Upper
228 100
226 31.2 24.3 36.5
229 21.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF135657.D

Acq: 09 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

PL-02-10052023

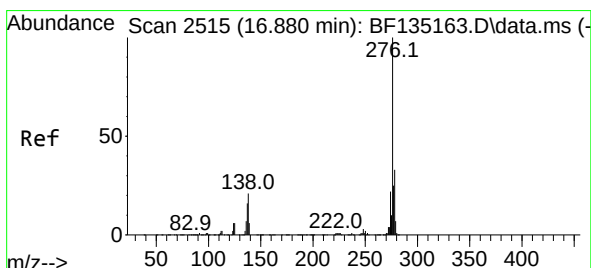
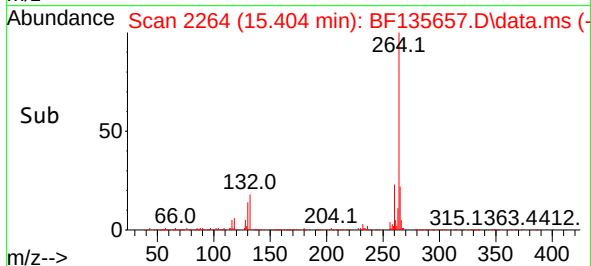
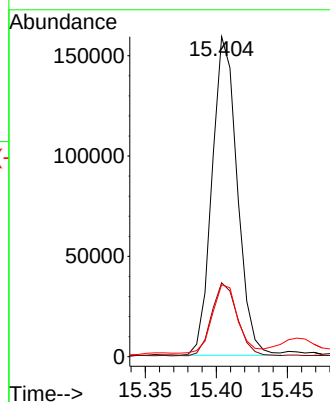
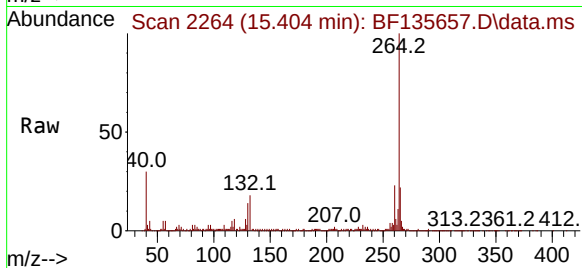
Tgt Ion:264 Resp: 196125

Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.6

265 22.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.333 ng

RT: 16.898 min Scan# 2518

Delta R.T. 0.030 min

Lab File: BF135657.D

Acq: 09 Oct 2023 18:36

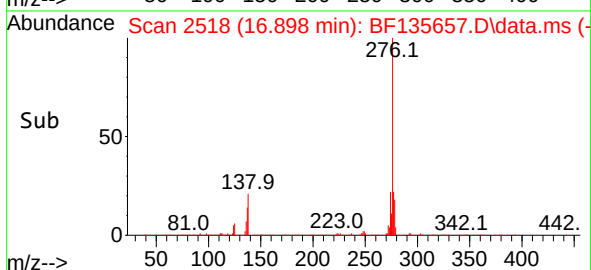
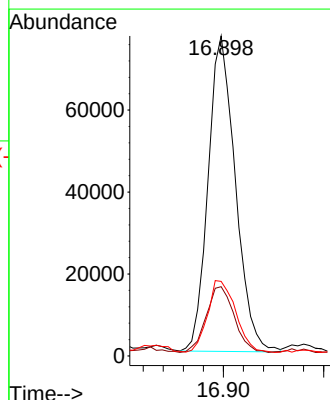
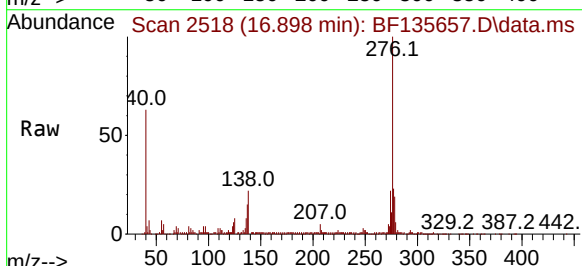
Tgt Ion:276 Resp: 145728

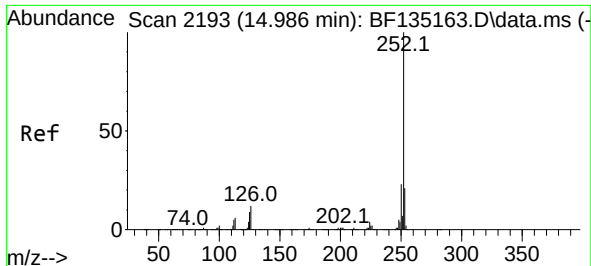
Ion Ratio Lower Upper

276 100

138 22.5 19.2 28.8

277 23.5 19.7 29.5

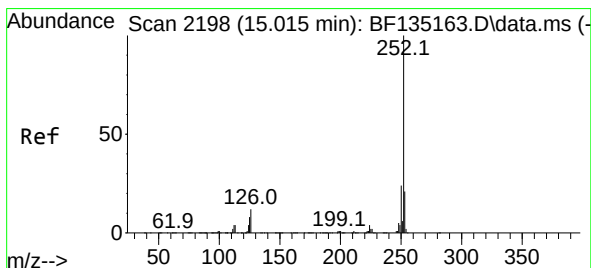
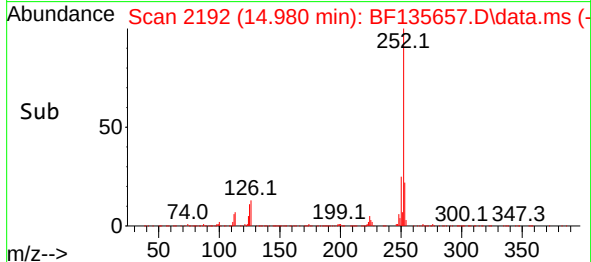
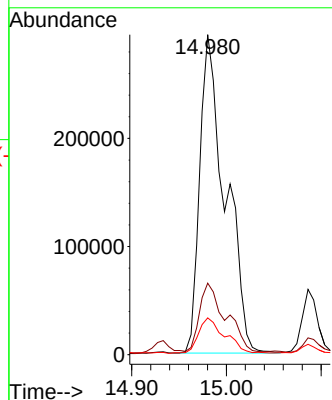
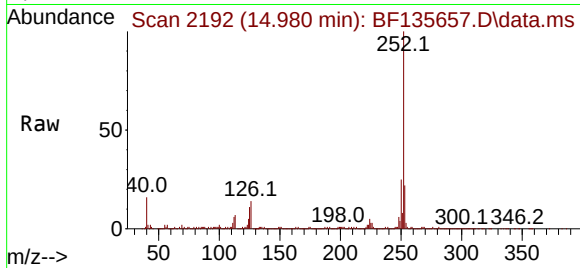




#88
Benzo(b)fluoranthene
Concen: 52.133 ng
RT: 14.980 min Scan# 2192
Delta R.T. 0.018 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

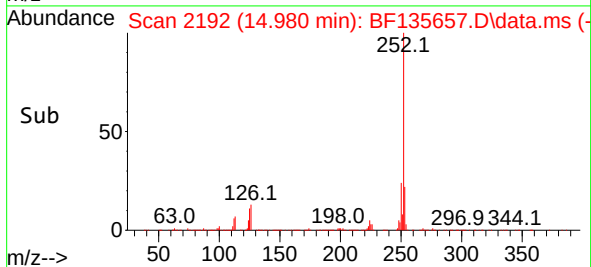
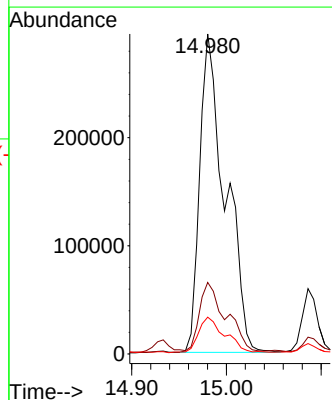
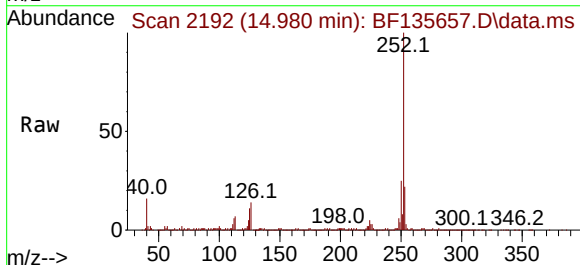
Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

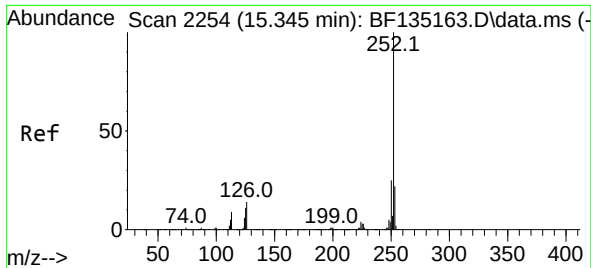
Tgt Ion:252 Resp: 553489
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 11.5 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 52.775 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:252 Resp: 553489
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 11.5 7.2 10.8#

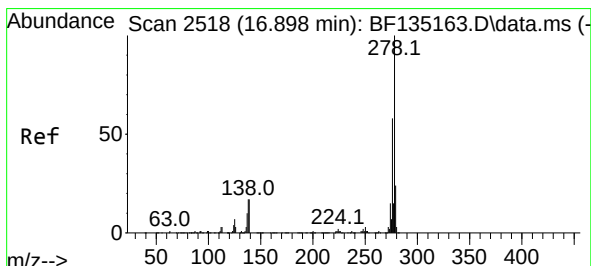
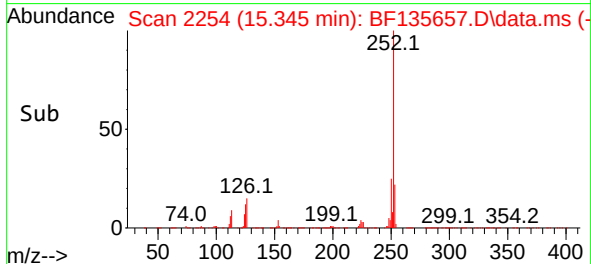
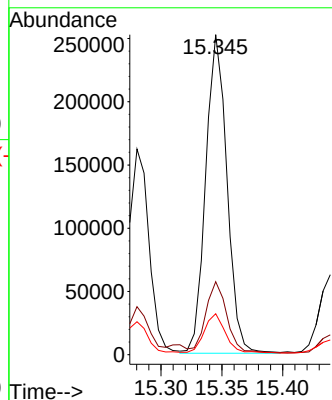
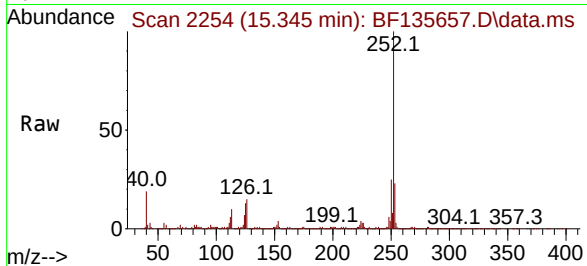




#90
Benzo(a)pyrene
Concen: 30.132 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

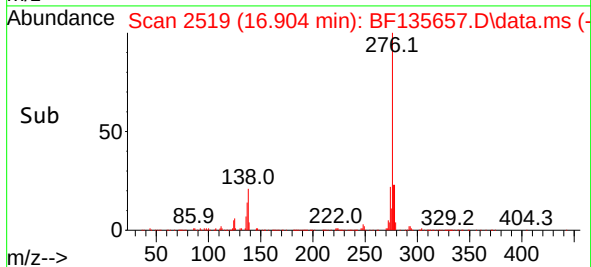
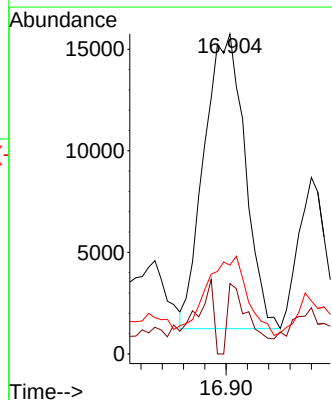
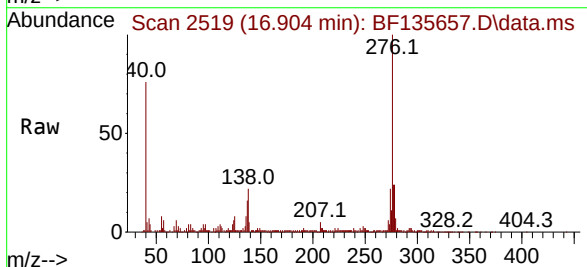
Instrument :
BNA_F
ClientSampleId :
PL-02-10052023

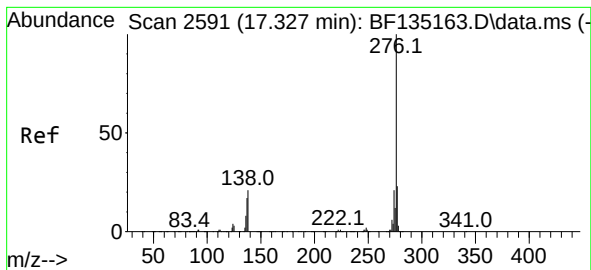
Tgt Ion:252 Resp: 305074
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 12.8 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 3.665 ng
RT: 16.904 min Scan# 2519
Delta R.T. 0.024 min
Lab File: BF135657.D
Acq: 09 Oct 2023 18:36

Tgt Ion:278 Resp: 38563
Ion Ratio Lower Upper
278 100
139 22.0 13.4 20.0#
279 27.7 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 12.189 ng

RT: 17.351 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF135657.D

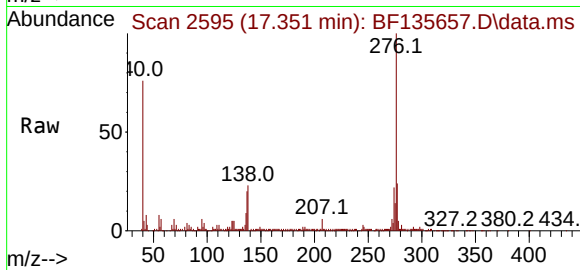
Acq: 09 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

PL-02-10052023



Tgt Ion:276 Resp: 133934

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 22.7 16.9 25.3

