

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134233.D
 Acq On : 12 Jul 2023 02:17
 Operator : CG\JU
 Sample : 03570-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 03:55:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

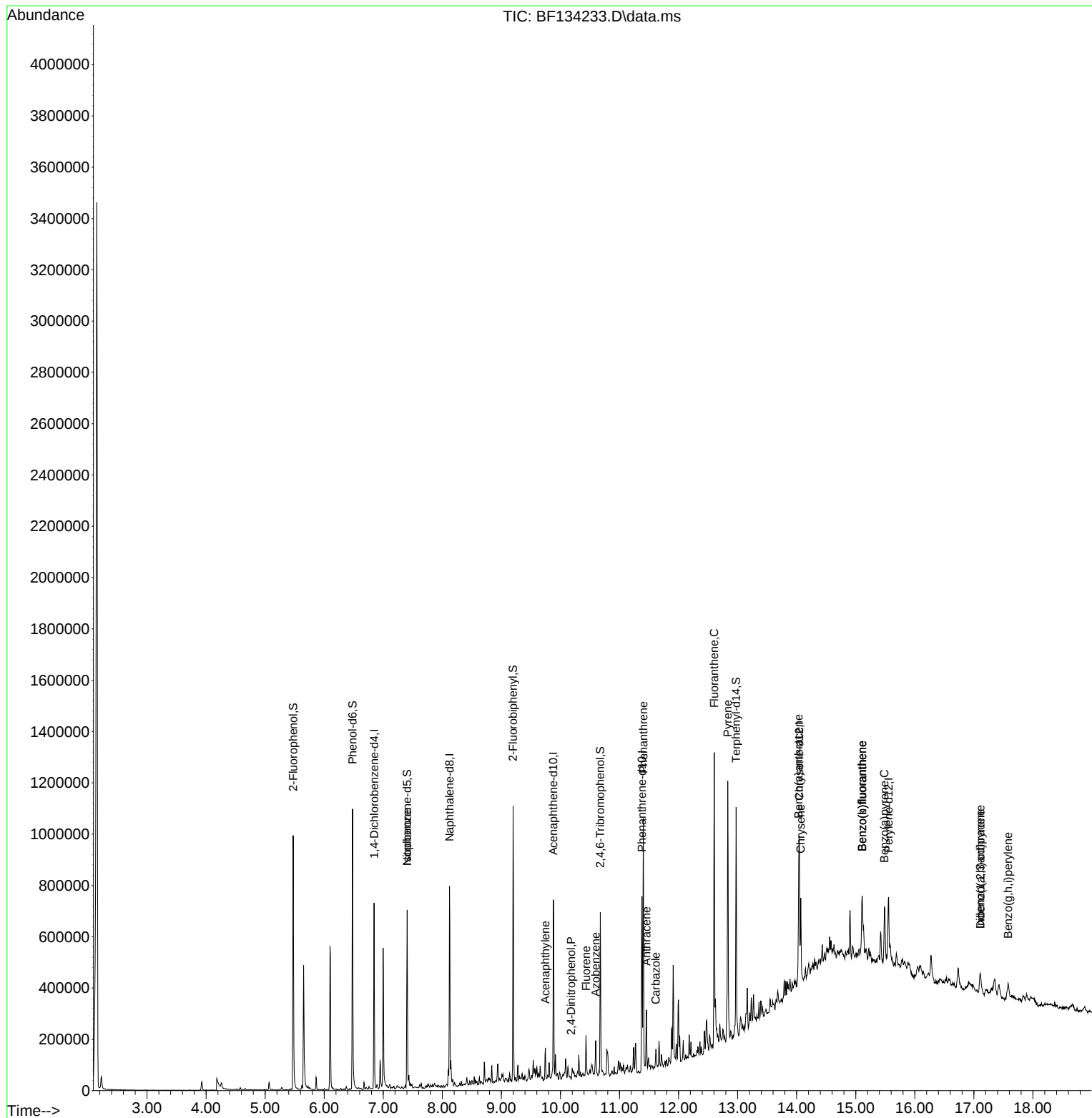
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	94817	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	328164	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	135408	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	240836	20.000	ng	0.00
76) Chrysene-d12	14.045	240	146539	20.000	ng	0.00
86) Perylene-d12	15.557	264	119480	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	256599	45.269	ng	0.00
7) Phenol-d6	6.481	99	302892	43.451	ng	0.00
23) Nitrobenzene-d5	7.404	82	189098	31.062	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	70353	41.439	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	302444	32.474	ng	0.00
79) Terphenyl-d14	12.974	244	285847	31.394	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	95	Below Cal	#	45
25) Isophorone	7.404	82	189008	17.083	ng	# 64
49) Acenaphthylene	9.745	152	41922	3.088	ng	97
54) 2,4-Dinitrophenol	10.180	184	77	3.924	ng	# 15
58) Fluorene	10.433	166	39464	4.120	ng	95
63) Azobenzene	10.598	77	19583	2.022	ng	# 1
71) Phenanthrene	11.404	178	339309	27.986	ng	98
72) Anthracene	11.457	178	88577	7.024	ng	99
73) Carbazole	11.616	167	26636	2.308	ng	99
75) Fluoranthene	12.604	202	417655	31.864	ng	97
78) Pyrene	12.833	202	412757	30.266	ng	99
81) Benzo(a)anthracene	14.033	228	155244	15.276	ng	96
83) Chrysene	14.068	228	127259	12.929	ng	97
87) Indeno(1,2,3-cd)pyrene	17.109	276	57525	6.938	ng	# 92
88) Benzo(b)fluoranthene	15.110	252	174575	24.849	ng	# 92
89) Benzo(k)fluoranthene	15.110	252	174575	24.406	ng	# 91
90) Benzo(a)pyrene	15.486	252	99470	14.642	ng	# 96
91) Dibenzo(a,h)anthracene	17.109	278	13953	2.060	ng	# 58
92) Benzo(g,h,i)perylene	17.580	276	58867	8.430	ng	96

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

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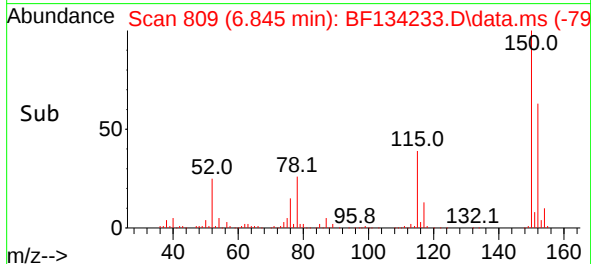
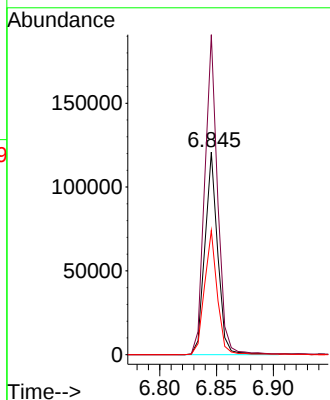
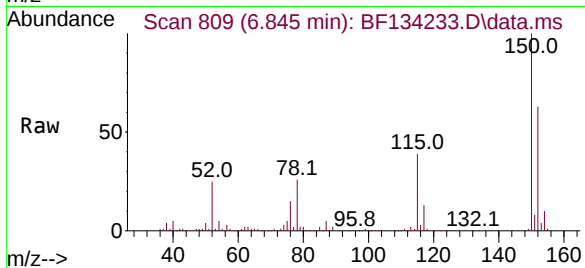




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

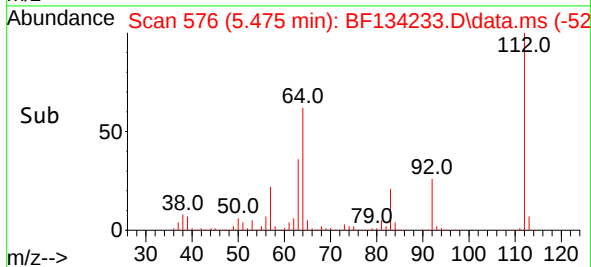
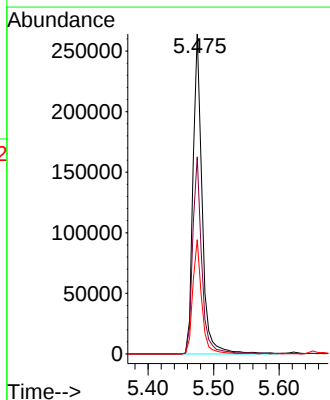
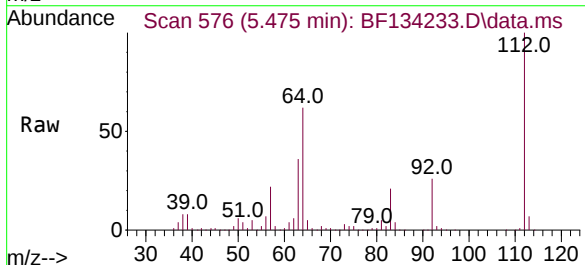
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 94817
Ion Ratio Lower Upper
152 100
150 158.0 124.5 186.7
115 61.3 50.2 75.2



#5
2-Fluorophenol
Concen: 45.269 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

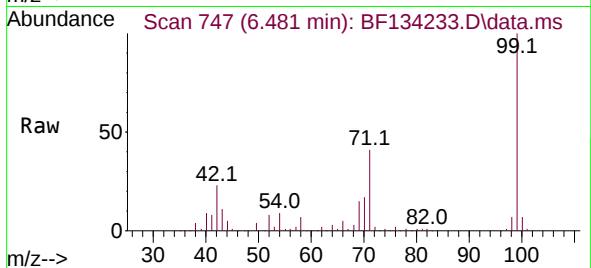
Tgt Ion:112 Resp: 256599
Ion Ratio Lower Upper
112 100
64 61.6 52.1 78.1
63 35.7 28.6 42.8





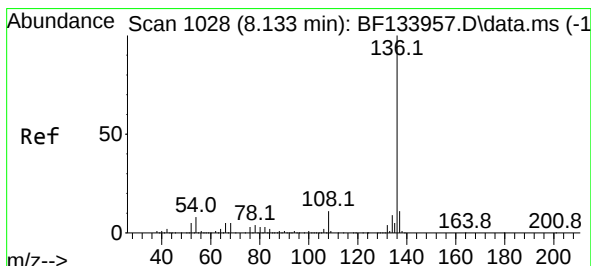
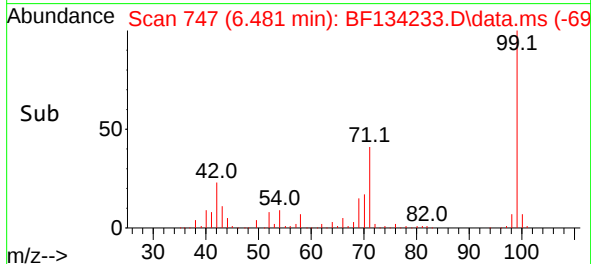
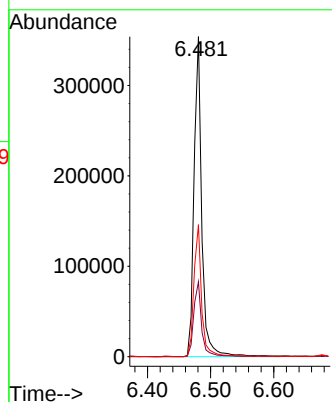
#7
Phenol-d6
Concen: 43.451 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 99 Resp: 302892

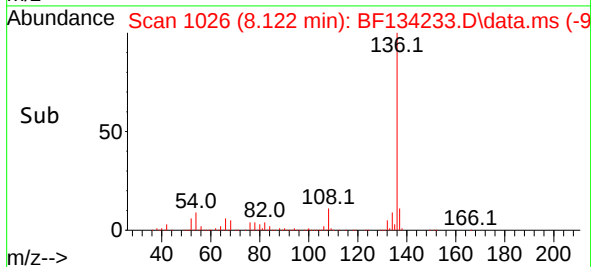
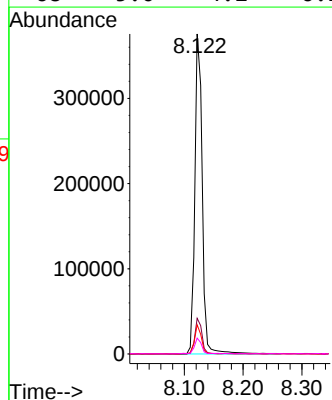
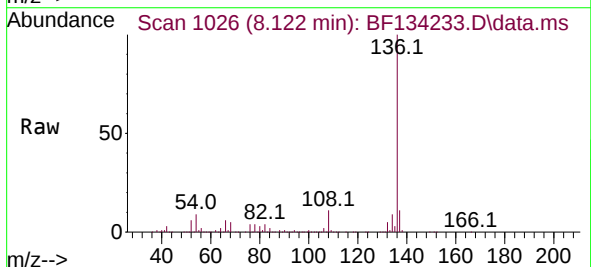
Ion	Ratio	Lower	Upper
99	100		
42	23.4	19.8	29.6
71	41.2	31.9	47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

Tgt Ion: 136 Resp: 328164

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.1	6.5	9.7
68	5.0	4.2	6.2





#23

Nitrobenzene-d5

Concen: 31.062 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

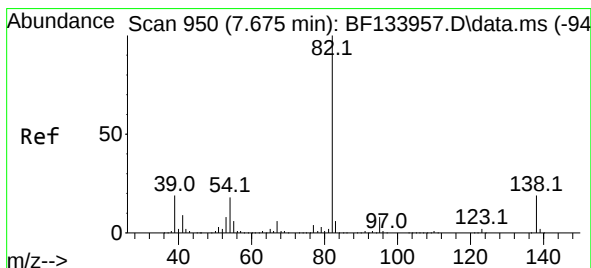
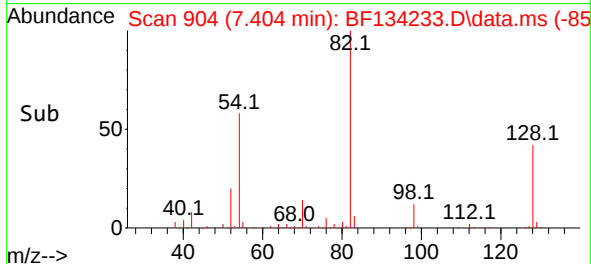
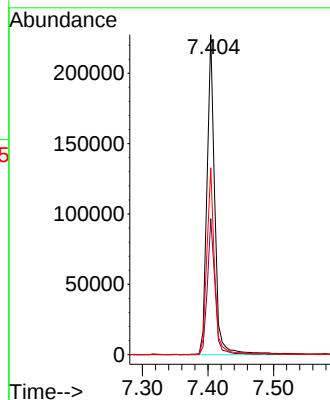
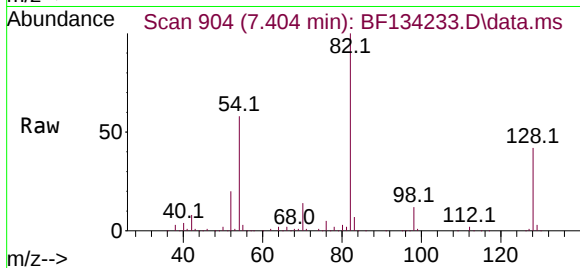
Tgt Ion: 82 Resp: 189098

Ion Ratio Lower Upper

82 100

128 42.5 32.5 48.7

54 58.4 48.2 72.2



#25

Isophorone

Concen: 17.083 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

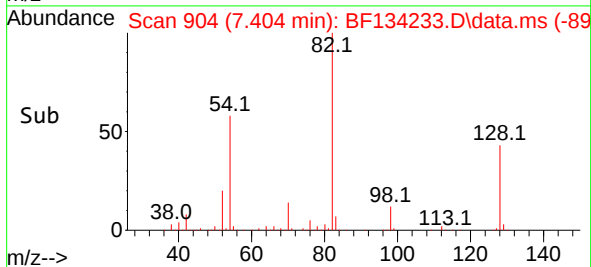
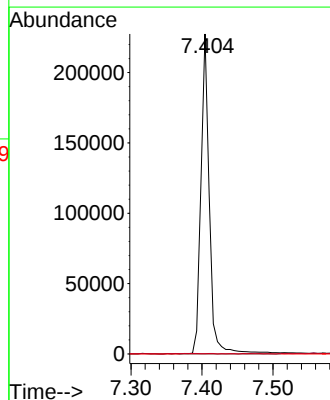
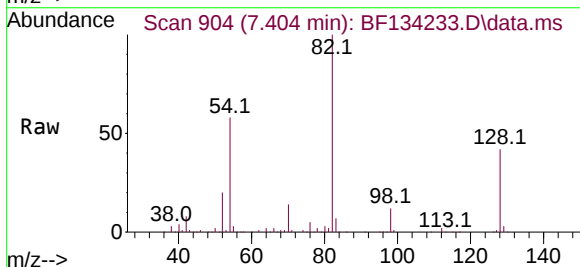
Tgt Ion: 82 Resp: 189008

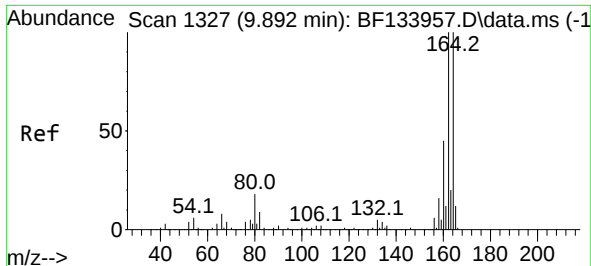
Ion Ratio Lower Upper

82 100

95 0.1 6.1 9.1#

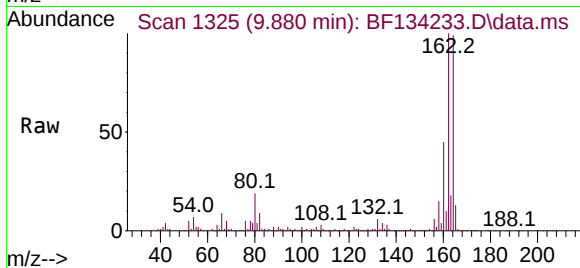
138 0.0 15.2 22.8#



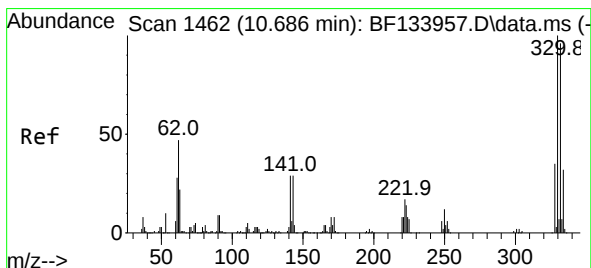
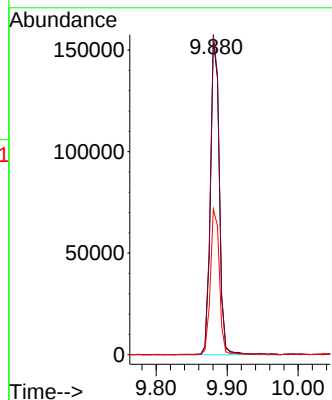
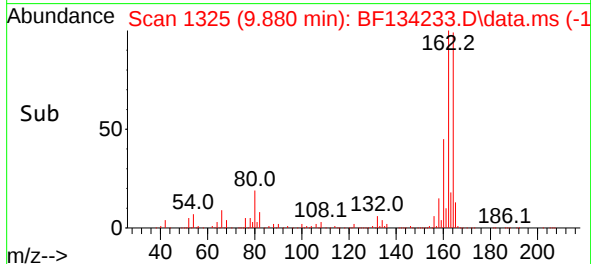


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

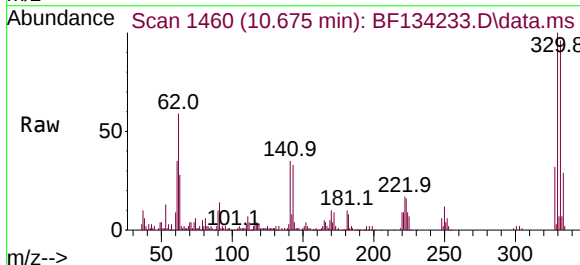
Instrument :
BNA_F
ClientSampleId :



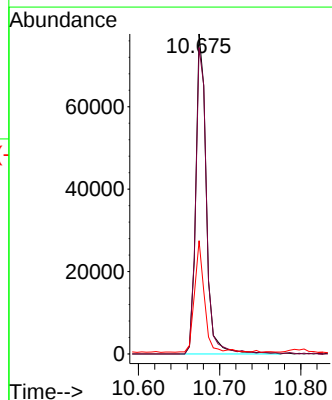
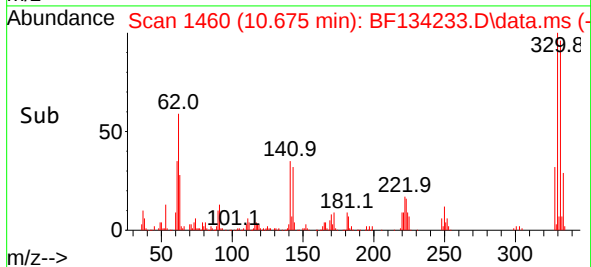
Tgt Ion:164 Resp: 135408
Ion Ratio Lower Upper
164 100
162 101.4 80.0 120.0
160 46.1 35.9 53.9

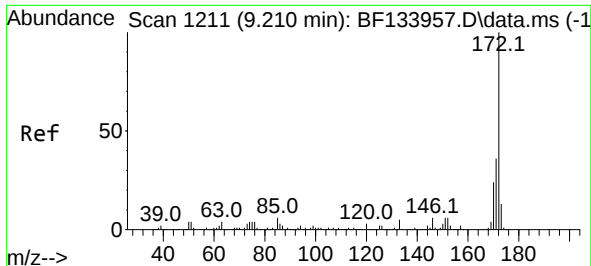


#42
2,4,6-Tribromophenol
Concen: 41.439 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17



Tgt Ion:330 Resp: 70353
Ion Ratio Lower Upper
330 100
332 99.1 77.0 115.6
141 31.9 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 32.474 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

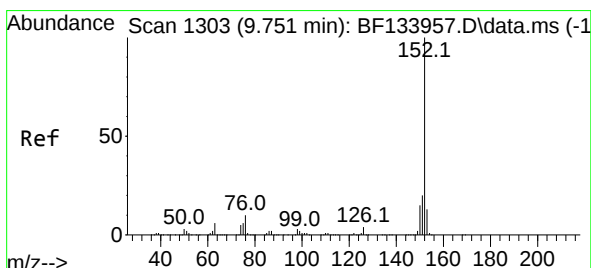
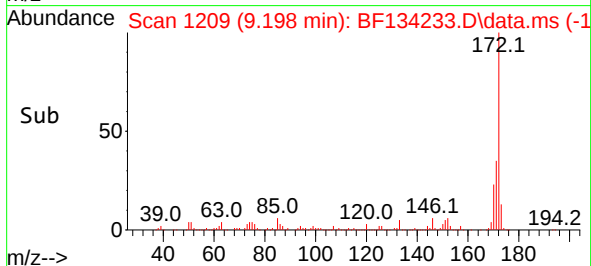
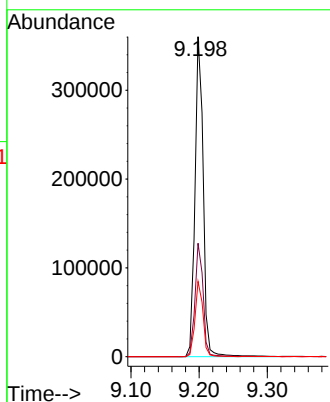
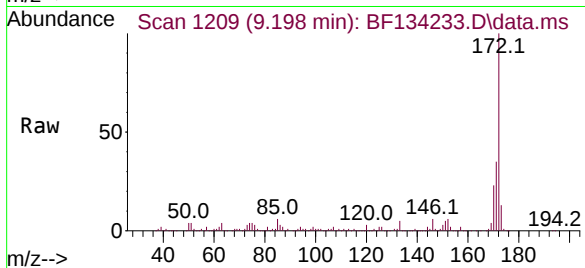
Tgt Ion:172 Resp: 302444

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.5 19.4 29.0



#49

Acenaphthylene

Concen: 3.088 ng

RT: 9.745 min Scan# 1302

Delta R.T. 0.000 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

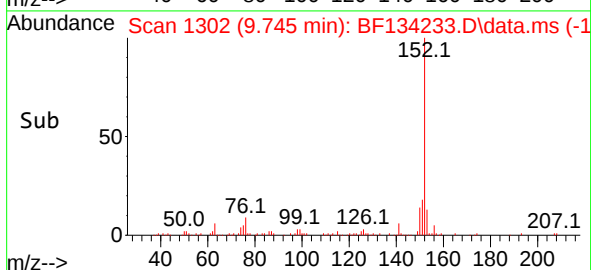
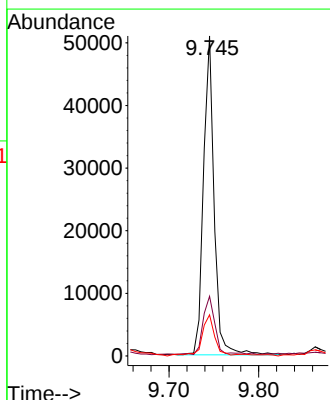
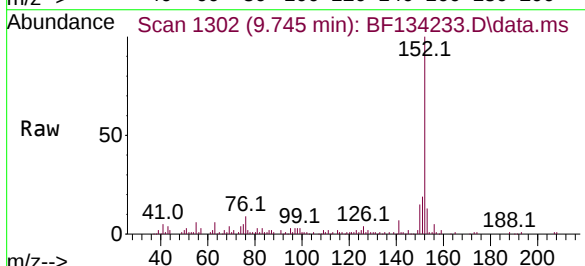
Tgt Ion:152 Resp: 41922

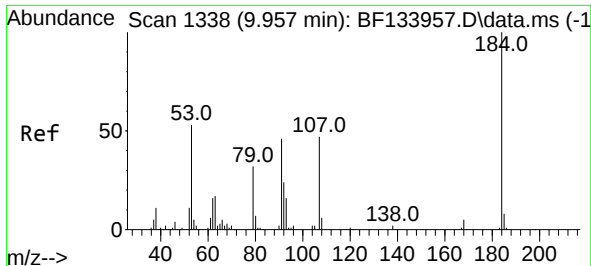
Ion Ratio Lower Upper

152 100

151 18.6 16.2 24.2

153 12.9 10.8 16.2

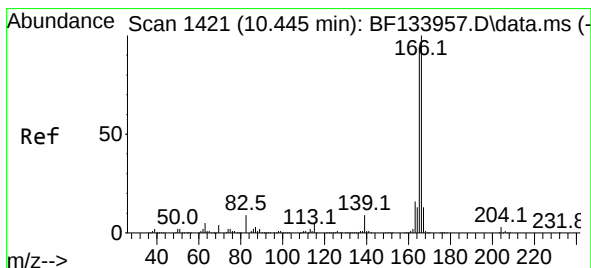
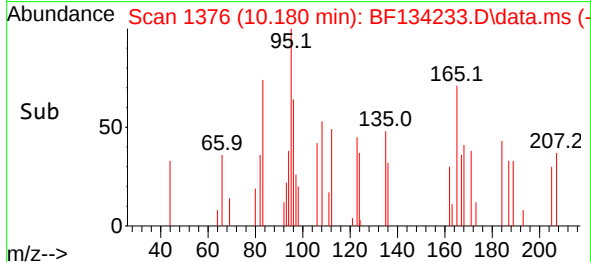
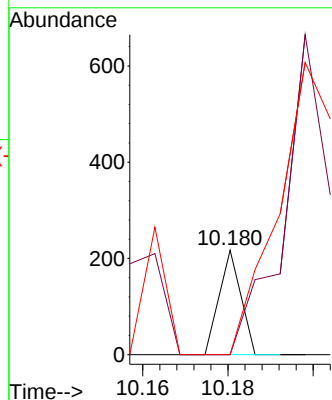
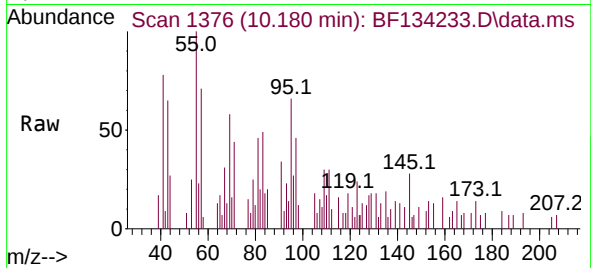




#54
2,4-Dinitrophenol
Concen: 3.924 ng
RT: 10.180 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

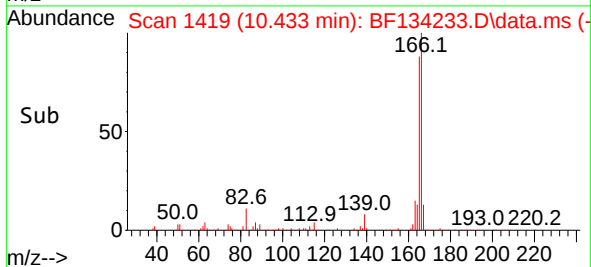
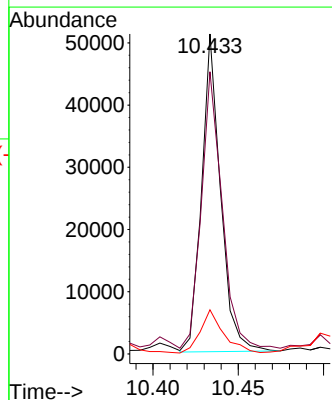
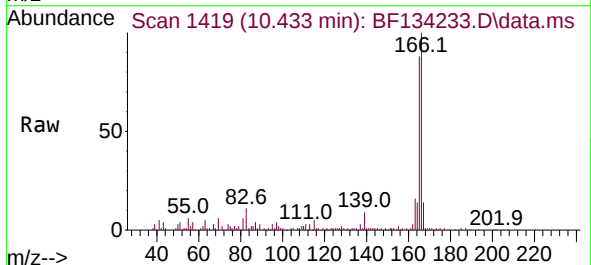
Instrument :
BNA_F
ClientSampleId :

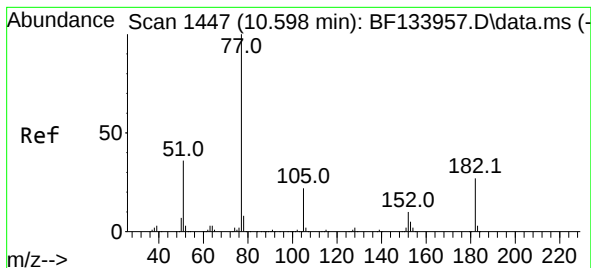
Tgt Ion:184 Resp: 77
Ion Ratio Lower Upper
184 100
63 0.0 56.9 85.3#
154 0.0 55.4 83.0#



#58
Fluorene
Concen: 4.120 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

Tgt Ion:166 Resp: 39464
Ion Ratio Lower Upper
166 100
165 88.2 75.0 112.4
167 13.8 10.6 15.8





#63

Azobenzene

Concen: 2.022 ng

RT: 10.598 min Scan# 1447

Delta R.T. 0.006 min

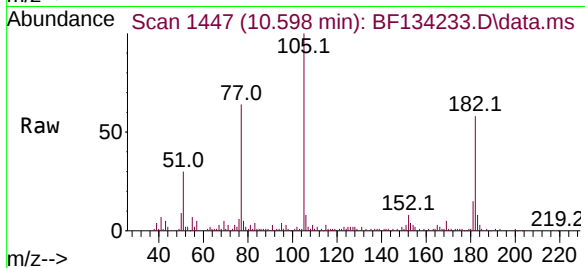
Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 19583

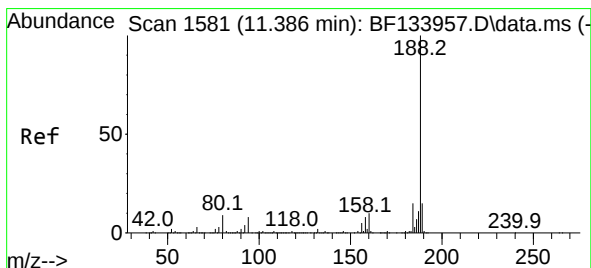
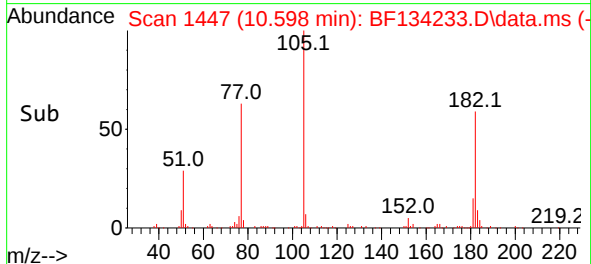
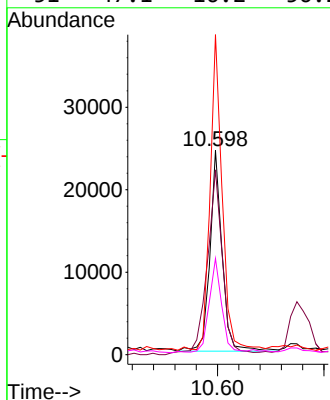
Ion Ratio Lower Upper

77 100

182 90.5 6.8 46.8#

105 156.7 2.3 42.3#

51 47.1 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

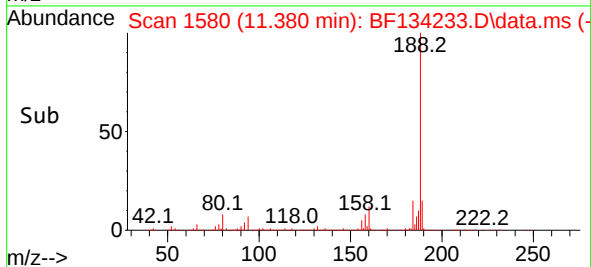
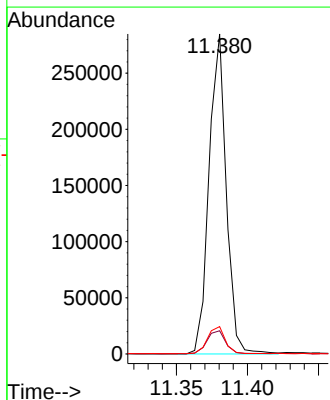
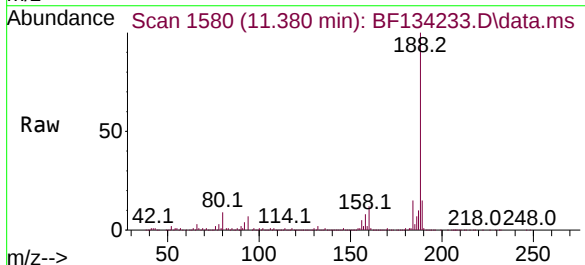
Tgt Ion:188 Resp: 240836

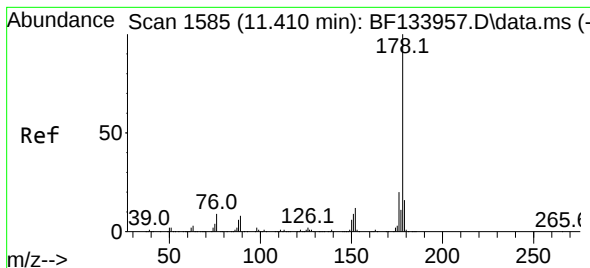
Ion Ratio Lower Upper

188 100

94 7.3 6.4 9.6

80 8.6 7.3 10.9





#71

Phenanthrene

Concen: 27.986 ng

RT: 11.404 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

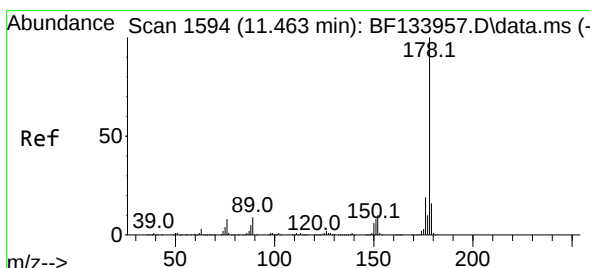
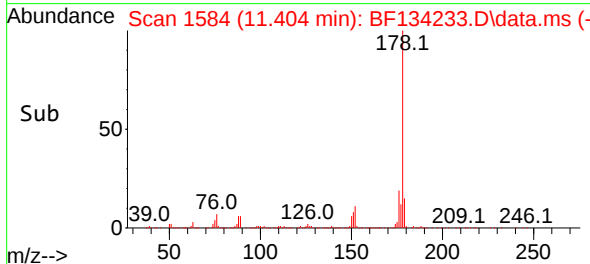
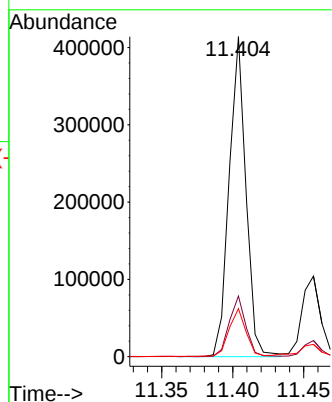
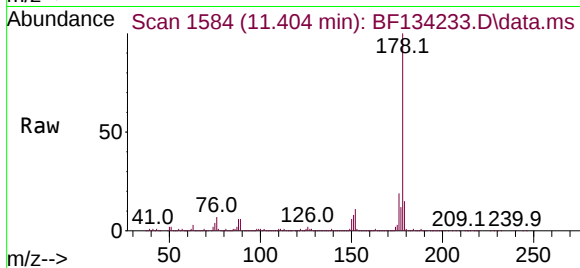
Tgt Ion:178 Resp: 339309

Ion Ratio Lower Upper

178 100

176 18.9 16.0 24.0

179 15.0 12.4 18.6



#72

Anthracene

Concen: 7.024 ng

RT: 11.457 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

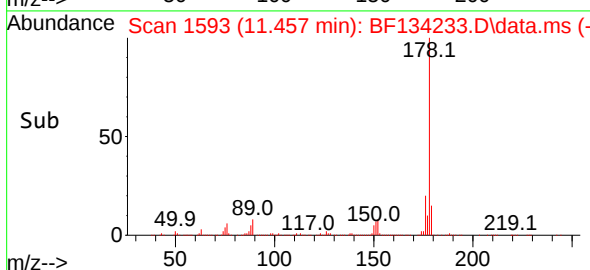
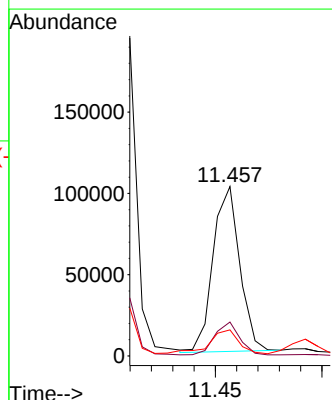
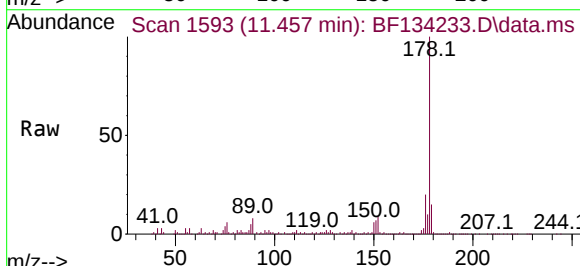
Tgt Ion:178 Resp: 88577

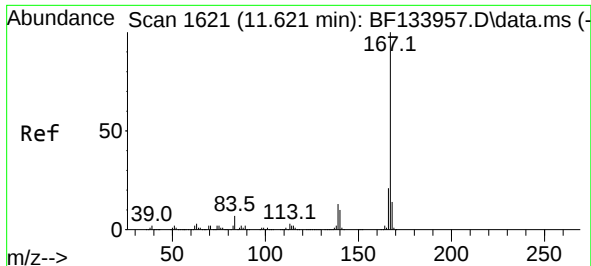
Ion Ratio Lower Upper

178 100

176 20.0 15.3 22.9

179 15.4 12.4 18.6

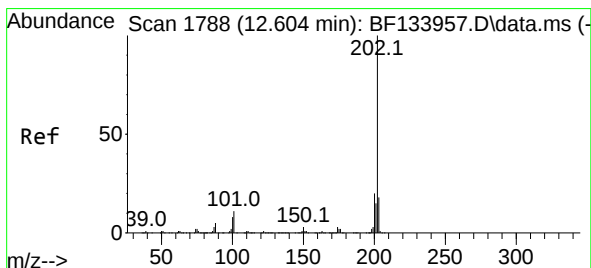
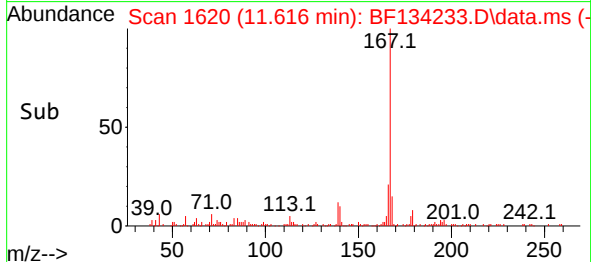
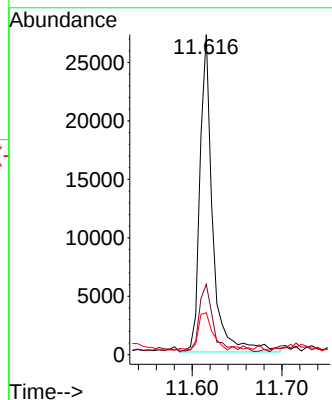
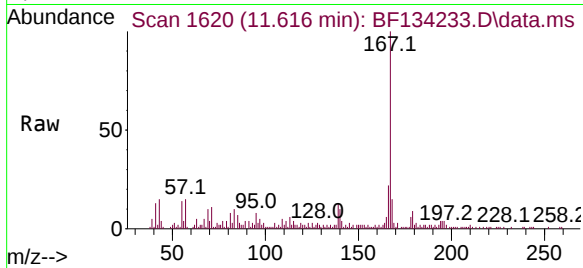




#73
 Carbazole
 Concen: 2.308 ng
 RT: 11.616 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF134233.D
 Acq: 12 Jul 2023 02:17

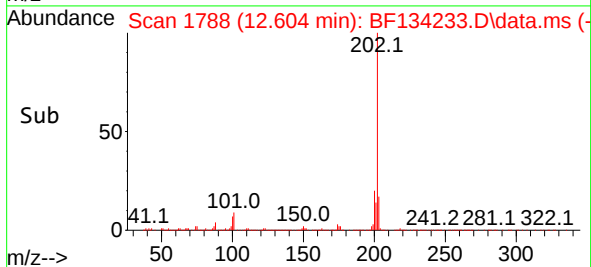
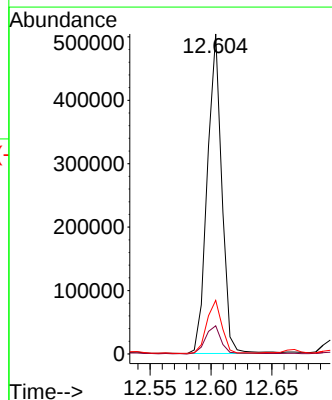
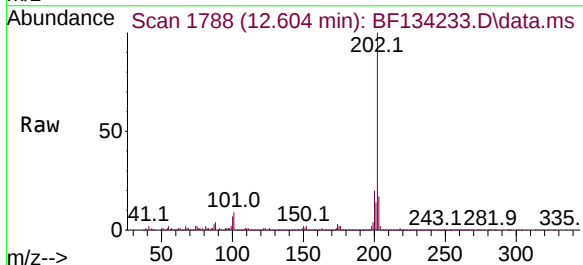
Instrument :
 BNA_F
 ClientSampleId :

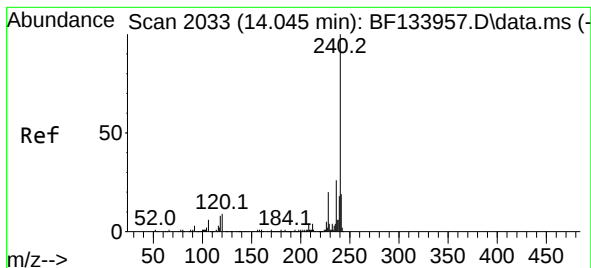
Tgt Ion:	167	Resp:	26636
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.0	25.6
139	13.1	10.4	15.6



#75
 Fluoranthene
 Concen: 31.864 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. 0.000 min
 Lab File: BF134233.D
 Acq: 12 Jul 2023 02:17

Tgt Ion:	202	Resp:	417655
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	31.0
203	16.8	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

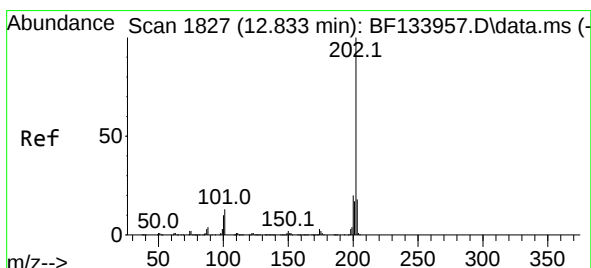
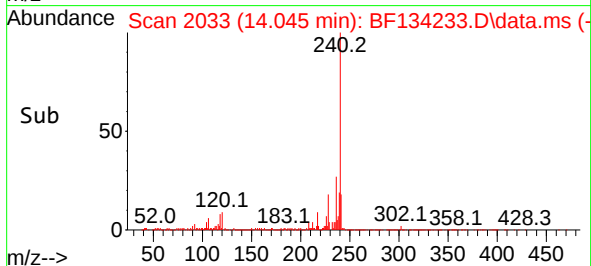
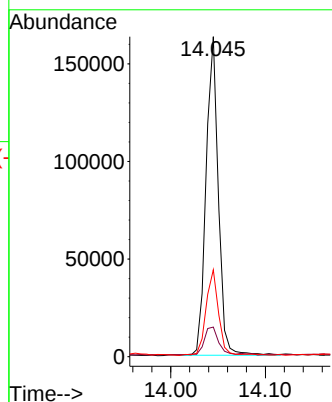
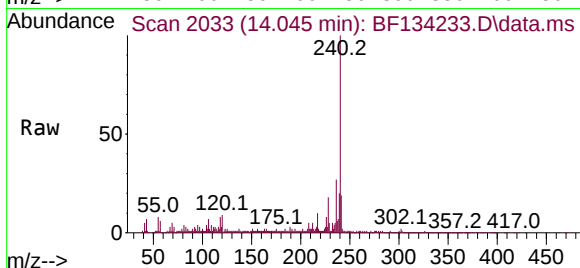
Tgt Ion:240 Resp: 146539

Ion Ratio Lower Upper

240 100

120 9.2 7.4 11.0

236 27.2 21.0 31.6



#78

Pyrene

Concen: 30.266 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

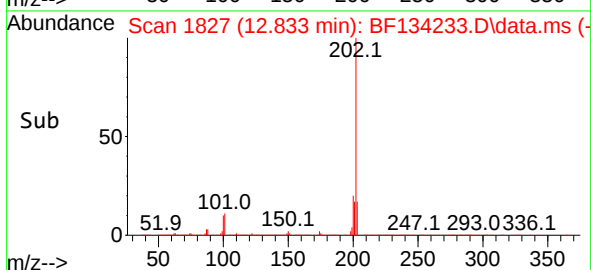
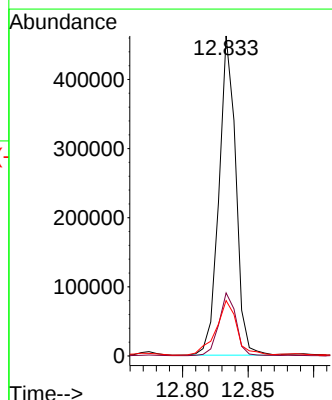
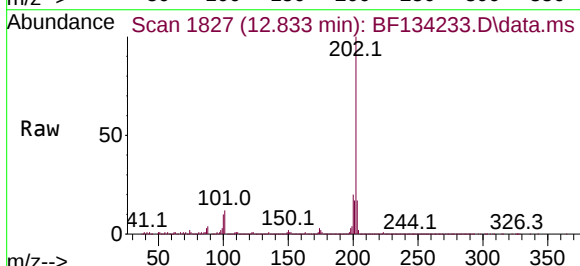
Tgt Ion:202 Resp: 412757

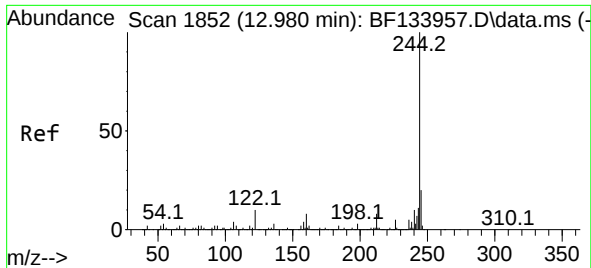
Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

203 17.3 14.3 21.5

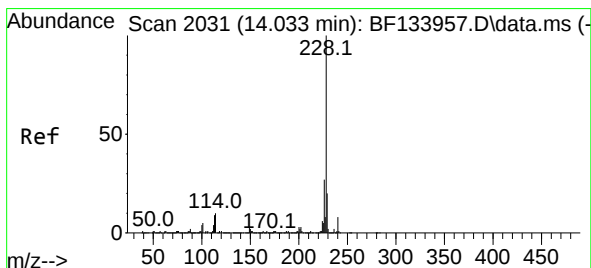
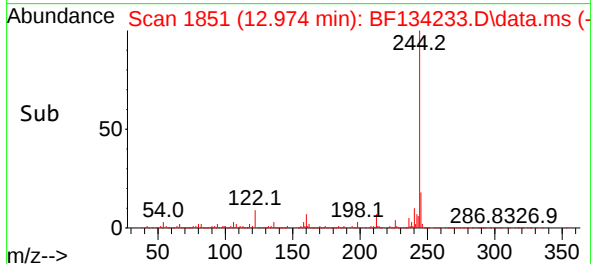
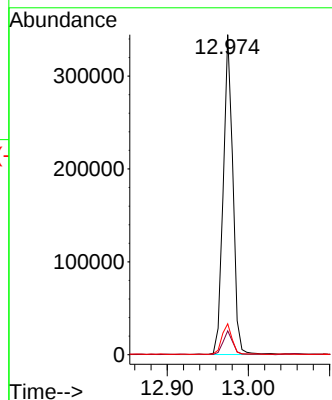
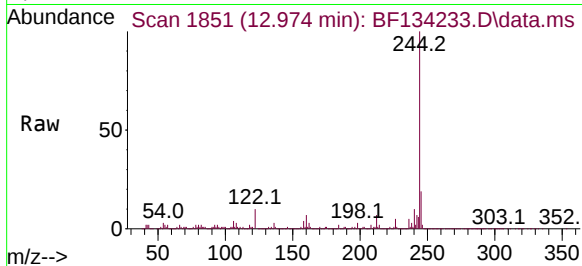




#79
 Terphenyl-d14
 Concen: 31.394 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF134233.D
 Acq: 12 Jul 2023 02:17

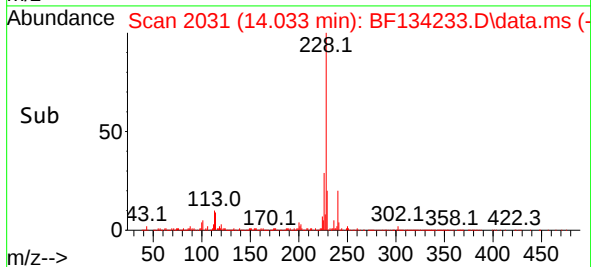
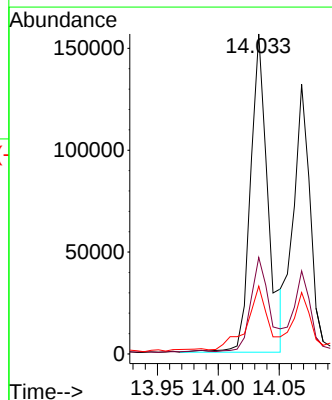
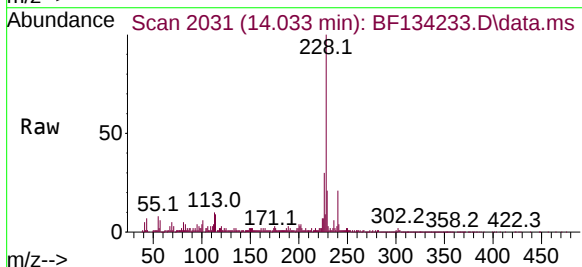
Instrument :
 BNA_F
 ClientSampleId :

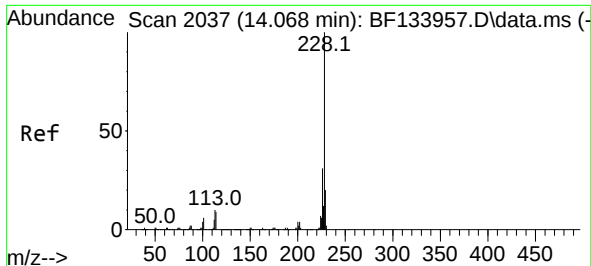
Tgt Ion:244 Resp: 285847
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.6 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 15.276 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF134233.D
 Acq: 12 Jul 2023 02:17

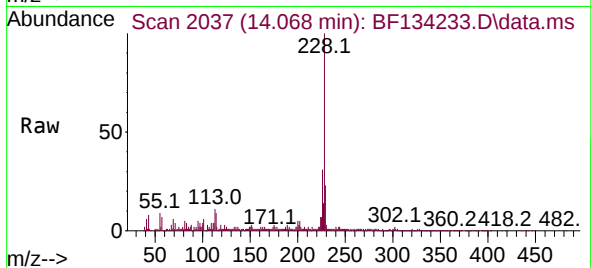
Tgt Ion:228 Resp: 155244
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.0 33.0
 229 21.2 16.3 24.5



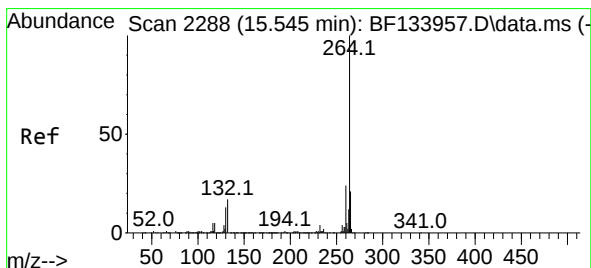
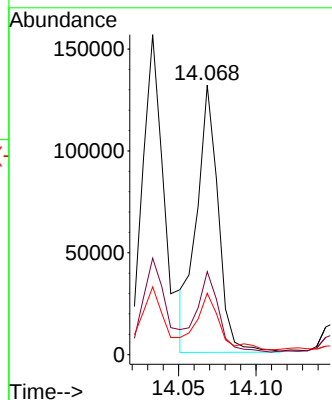
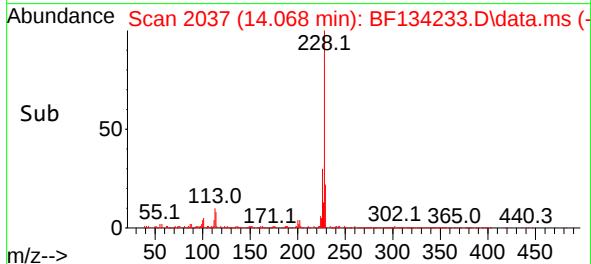


#83
Chrysene
Concen: 12.929 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

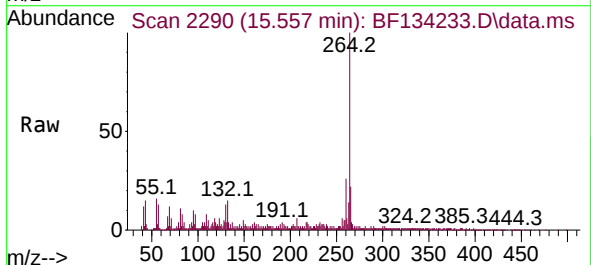
Instrument :
BNA_F
ClientSampleId :



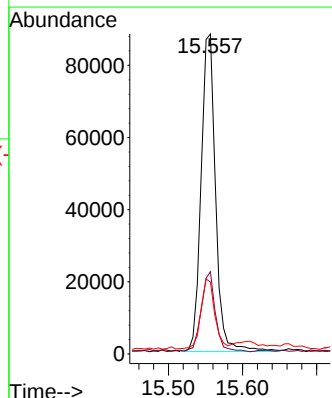
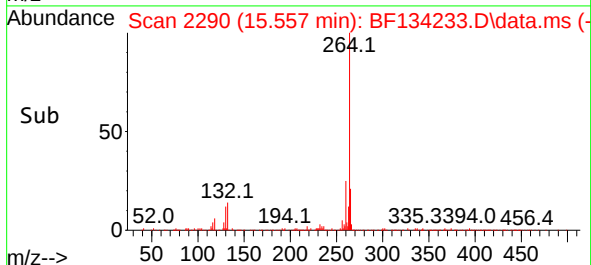
Tgt Ion:228 Resp: 127259
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 22.8 16.1 24.1

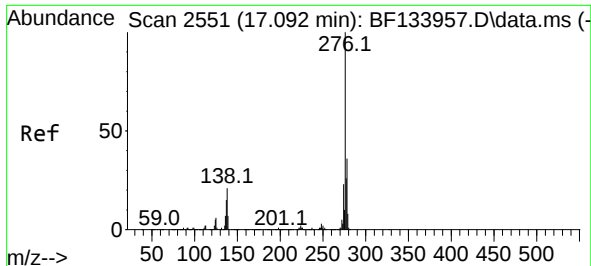


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.012 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17



Tgt Ion:264 Resp: 119480
Ion Ratio Lower Upper
264 100
260 25.7 19.5 29.3
265 22.4 16.6 25.0

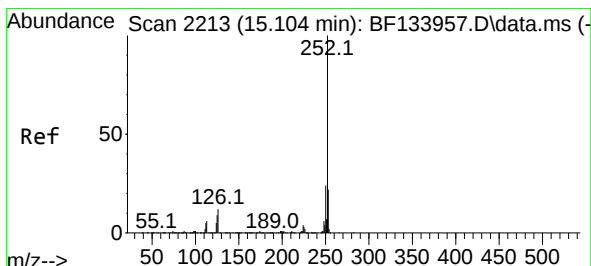
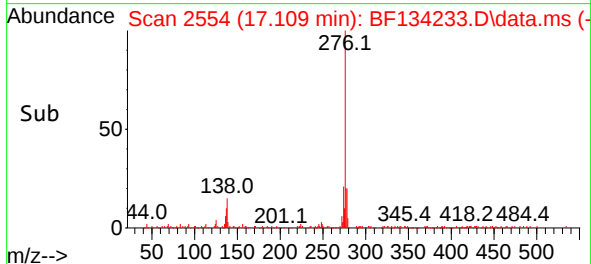
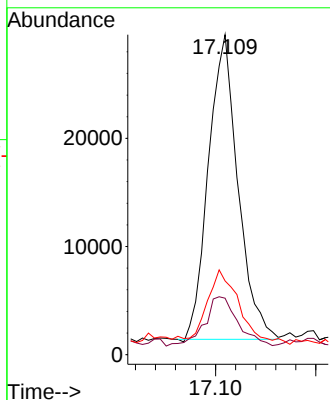
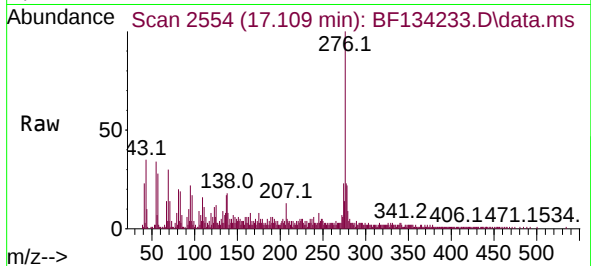




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.938 ng
RT: 17.109 min Scan# 2114
Delta R.T. 0.012 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

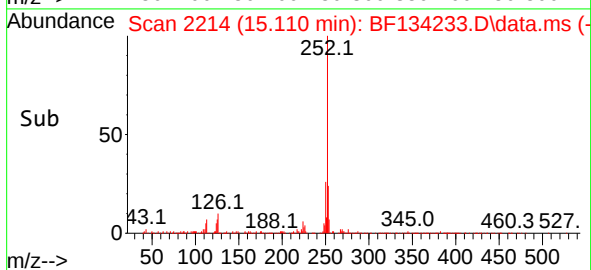
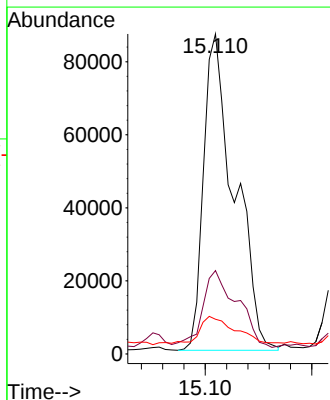
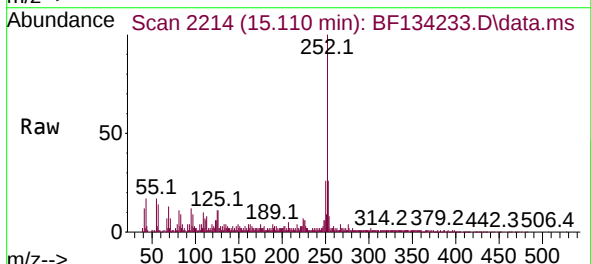
Instrument :
BNA_F
ClientSampleId :

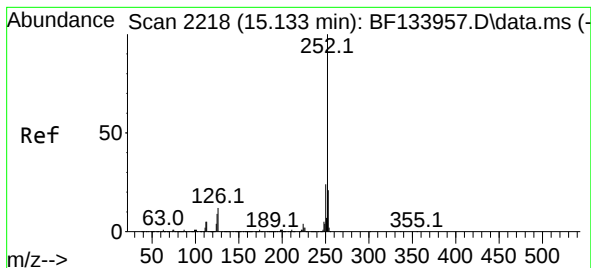
Tgt Ion:276 Resp: 57525
Ion Ratio Lower Upper
276 100
138 17.7 18.7 28.1#
277 26.8 19.9 29.9



#88
Benzo(b)fluoranthene
Concen: 24.849 ng
RT: 15.110 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

Tgt Ion:252 Resp: 174575
Ion Ratio Lower Upper
252 100
253 26.0 17.4 26.0#
125 10.9 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 24.406 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

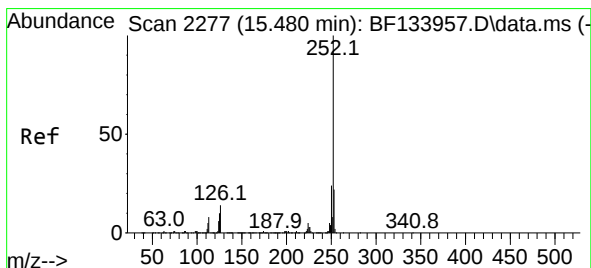
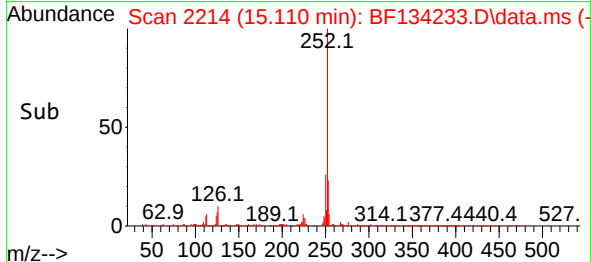
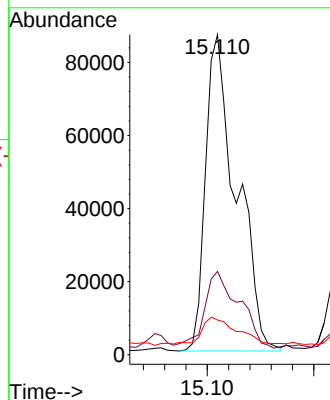
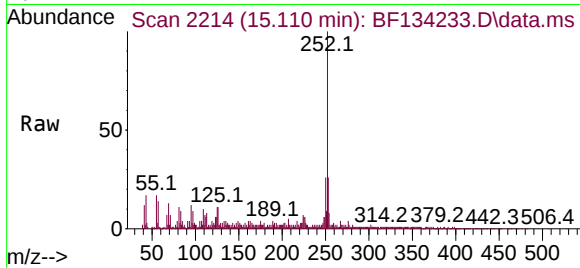
Tgt Ion:252 Resp: 174575

Ion Ratio Lower Upper

252 100

253 26.0 16.9 25.3#

125 10.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 14.642 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

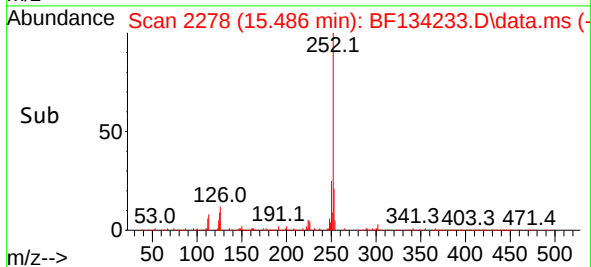
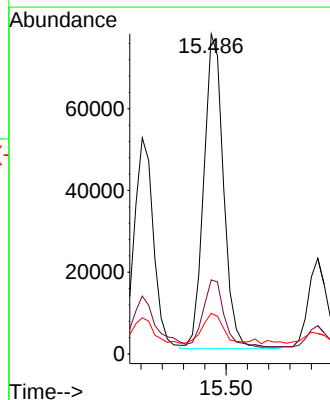
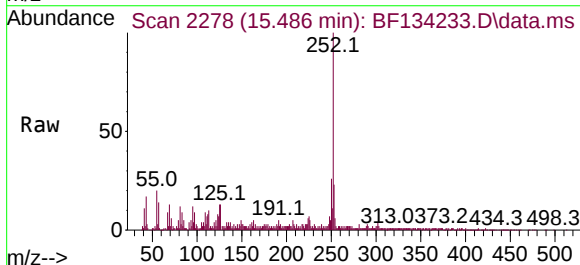
Tgt Ion:252 Resp: 99470

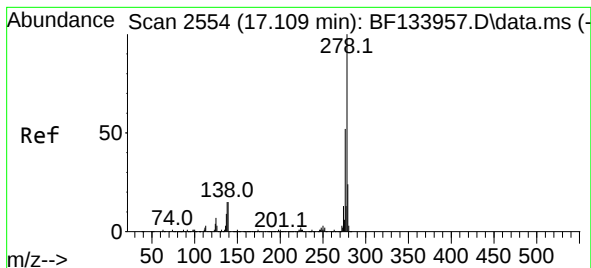
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 12.7 8.4 12.6#





#91

Dibenzo(a,h)anthracene

Concen: 2.060 ng

RT: 17.109 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

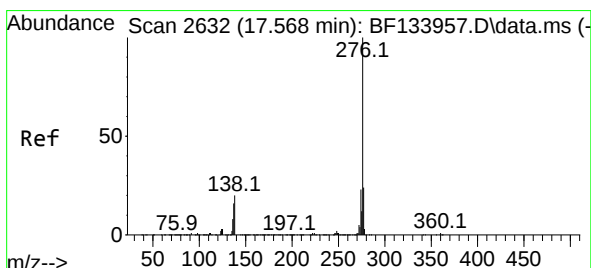
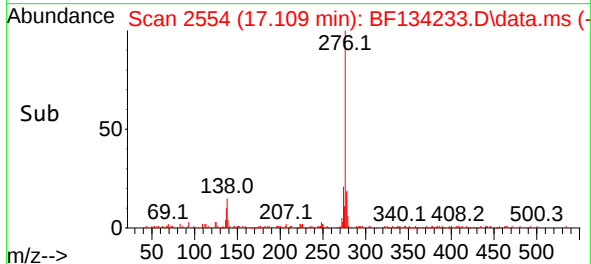
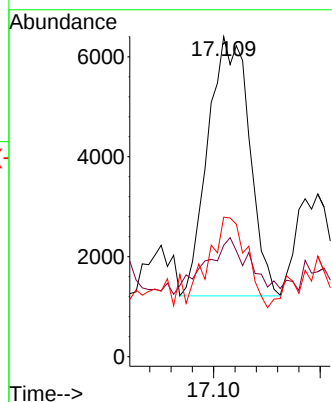
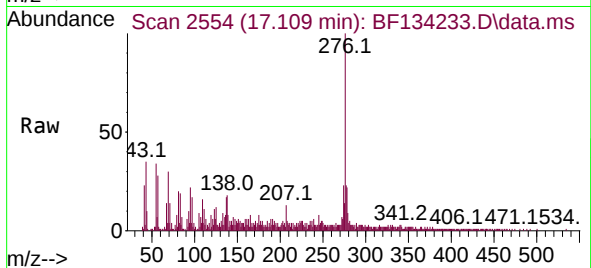
Tgt Ion:278 Resp: 13953

Ion Ratio Lower Upper

278 100

139 34.8 12.2 18.4#

279 43.6 19.4 29.2#



#92

Benzo(g,h,i)perylene

Concen: 8.430 ng

RT: 17.580 min Scan# 2634

Delta R.T. 0.012 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Tgt Ion:276 Resp: 58867

Ion Ratio Lower Upper

276 100

277 26.8 19.0 28.6

138 19.1 16.2 24.2

