

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133875.D
 Acq On : 21 Jun 2023 17:25
 Operator : CG\JU
 Sample : 03296-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 18:06:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

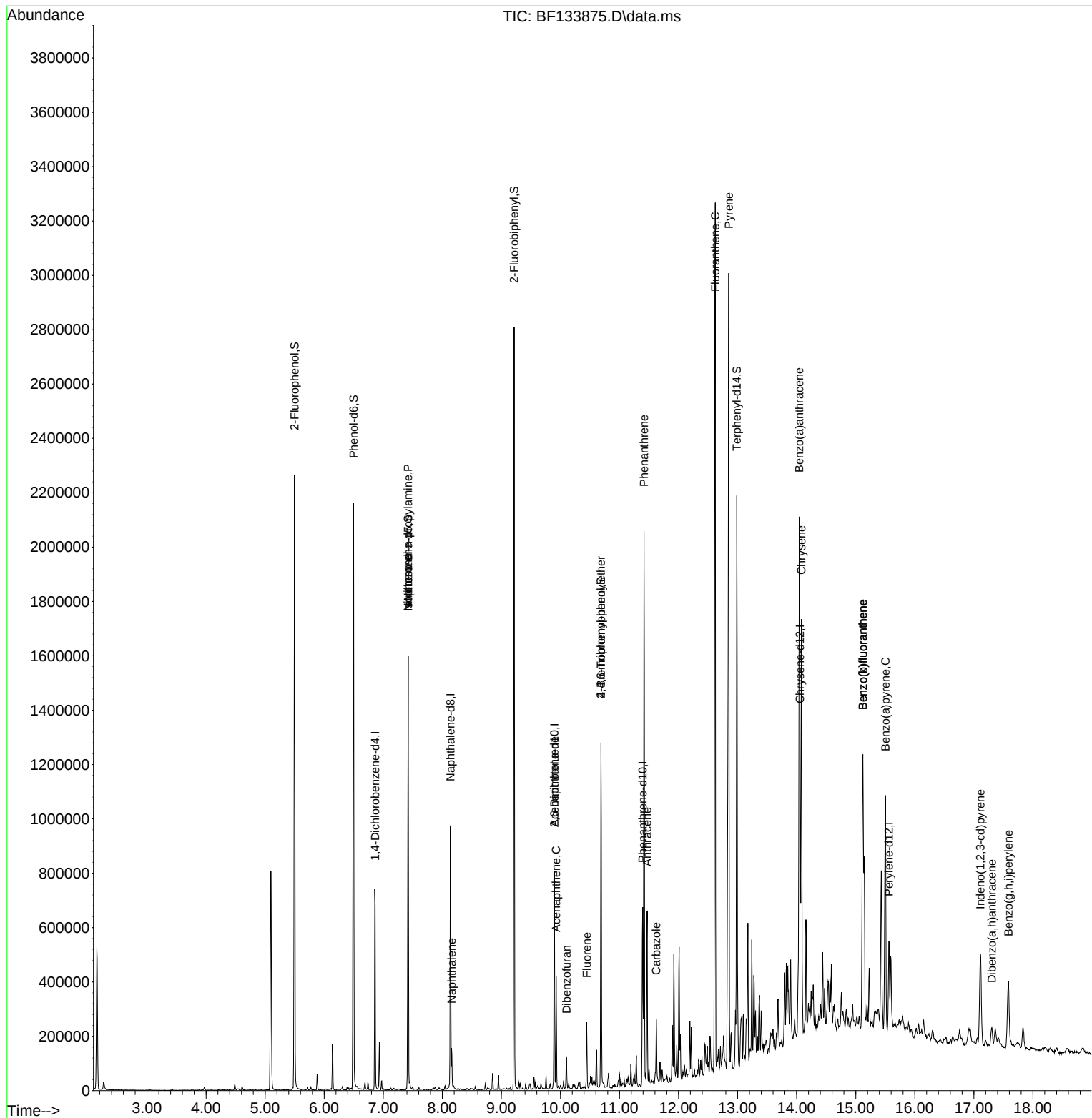
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	106670	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	377627	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	153771	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	252051	20.000	ng	0.00
76) Chrysene-d12	14.057	240	193290	20.000	ng	0.01
86) Perylene-d12	15.562	264	151078	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	564740	92.168	ng	0.01
7) Phenol-d6	6.498	99	658690	82.587	ng	0.00
23) Nitrobenzene-d5	7.422	82	440646	63.556	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	143875	73.916	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	745103	68.880	ng	0.00
79) Terphenyl-d14	12.986	244	685684	54.891	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	63202	12.455	ng	# 77
25) Isophorone	7.422	82	440643	34.619	ng	# 65
31) Naphthalene	8.157	128	49465	2.689	ng	99
51) 2,6-Dinitrotoluene	9.898	165	19959	8.425	ng	# 29
52) Acenaphthene	9.927	154	75933	8.378	ng	99
55) Dibenzofuran	10.104	168	40995	2.964	ng	95
58) Fluorene	10.445	166	61131	5.780	ng	99
67) 4-Bromophenyl-phenylether	10.686	248	8723	3.101	ng	# 1
71) Phenanthrene	11.416	178	729922	57.080	ng	99
72) Anthracene	11.469	178	227338	17.050	ng	98
73) Carbazole	11.621	167	86761	6.986	ng	99
75) Fluoranthene	12.621	202	1441966	106.185	ng	99
78) Pyrene	12.851	202	1338749	74.351	ng	99
81) Benzo(a)anthracene	14.045	228	778344	58.216	ng	96
83) Chrysene	14.080	228	593287	46.917	ng	97
87) Indeno(1,2,3-cd)pyrene	17.109	276	248486	23.907	ng	94
88) Benzo(b)fluoranthene	15.121	252	863665	94.108	ng	96
89) Benzo(k)fluoranthene	15.121	252	863665	96.609	ng	96
90) Benzo(a)pyrene	15.504	252	446185	52.386	ng	97
91) Dibenzo(a,h)anthracene	17.303	278	50312	5.847	ng	96
92) Benzo(g,h,i)perylene	17.586	276	228386	26.770	ng	99

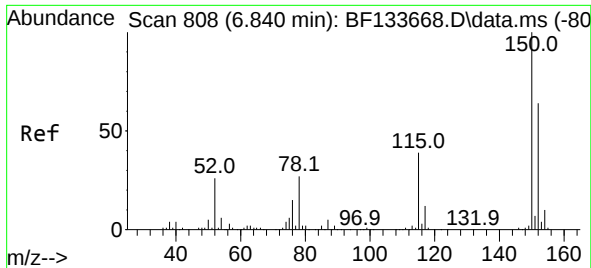
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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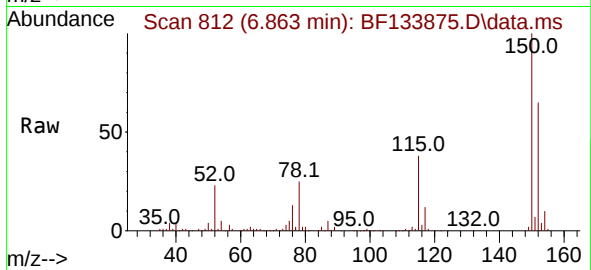
Quant Time: Jun 21 18:06:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 13:43:46 2023
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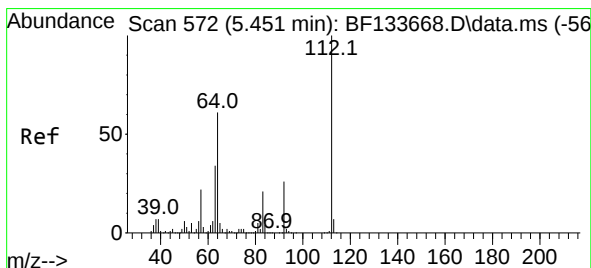
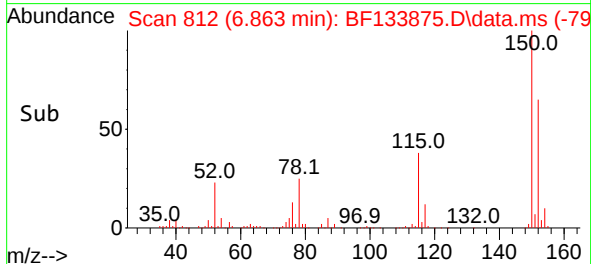
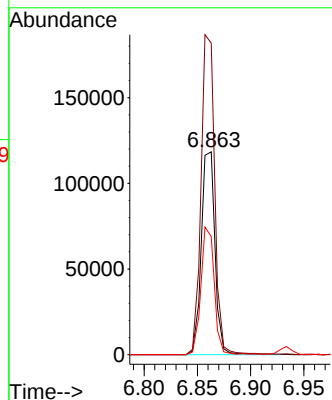


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

Instrument :
BNA_F
ClientSampleId :

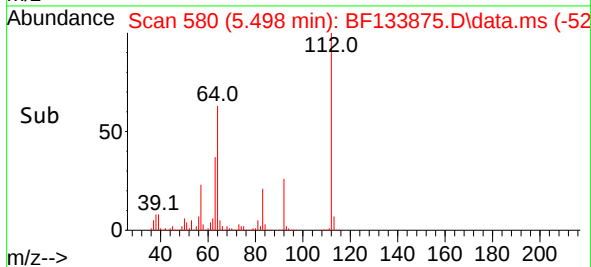
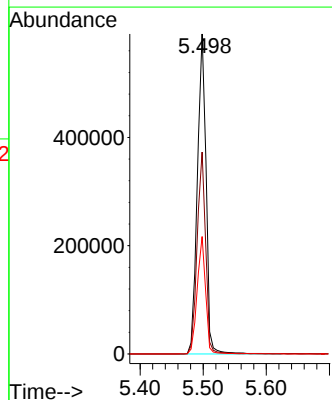
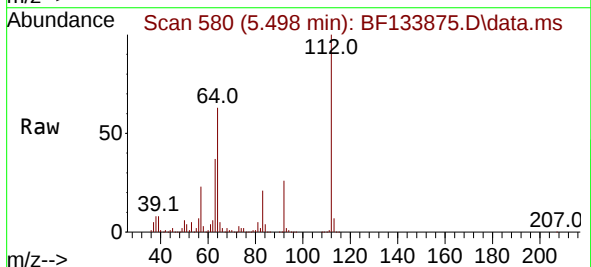


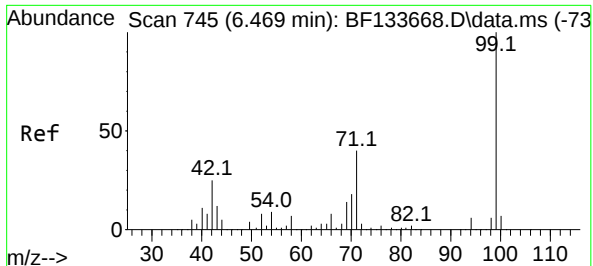
Tgt Ion:152 Resp: 106670
Ion Ratio Lower Upper
152 100
150 153.5 124.3 186.5
115 58.2 48.5 72.7



#5
2-Fluorophenol
Concen: 92.168 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

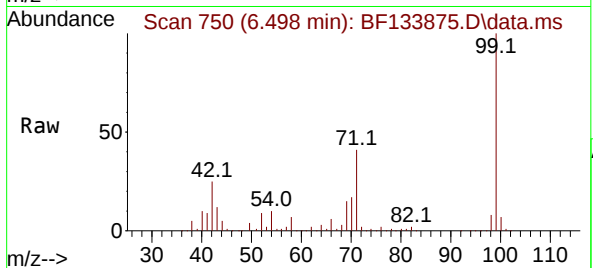
Tgt Ion:112 Resp: 564740
Ion Ratio Lower Upper
112 100
64 63.1 49.0 73.4
63 36.7 26.8 40.2



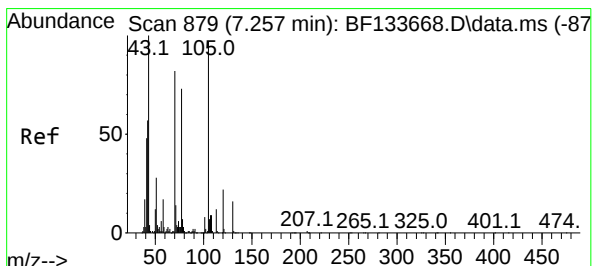
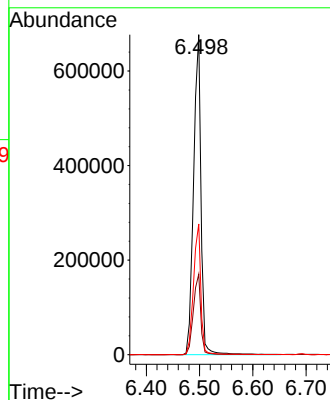
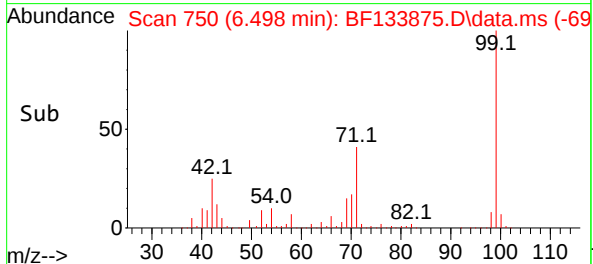


#7
Phenol-d6
Concen: 82.587 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

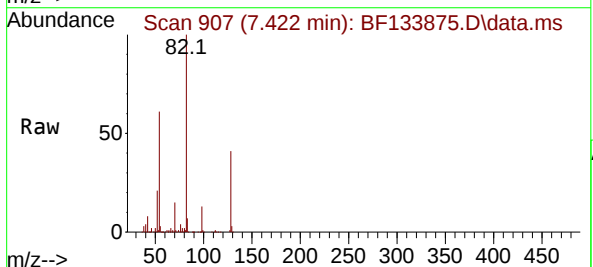
Instrument :
BNA_F
ClientSampleId :



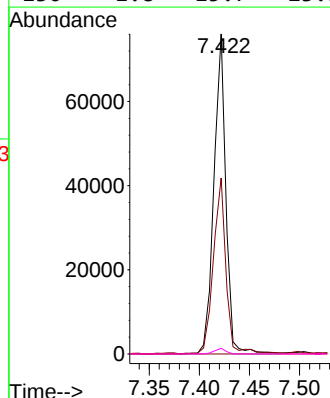
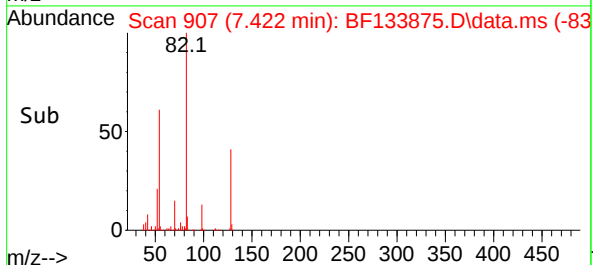
Tgt Ion: 99 Resp: 658690
Ion Ratio Lower Upper
99 100
42 25.2 19.9 29.9
71 40.9 32.2 48.4

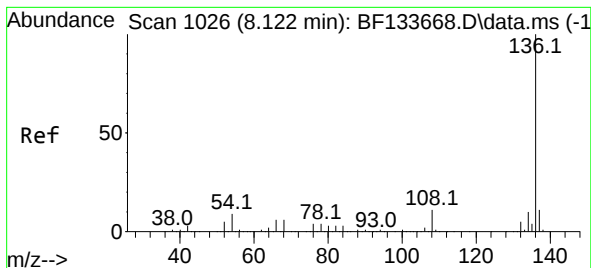


#19
n-Nitroso-di-n-propylamine
Concen: 12.455 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25



Tgt Ion: 70 Resp: 63202
Ion Ratio Lower Upper
70 100
42 55.0 55.8 83.8#
101 0.0 8.1 12.1#
130 1.8 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.139 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 377627

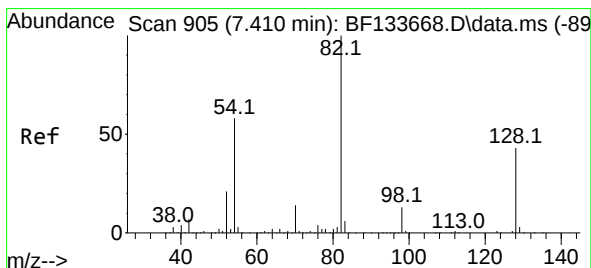
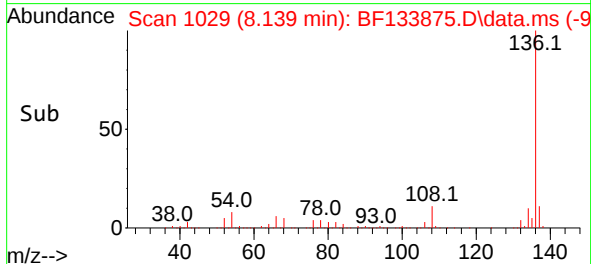
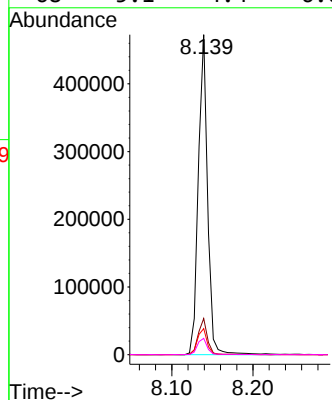
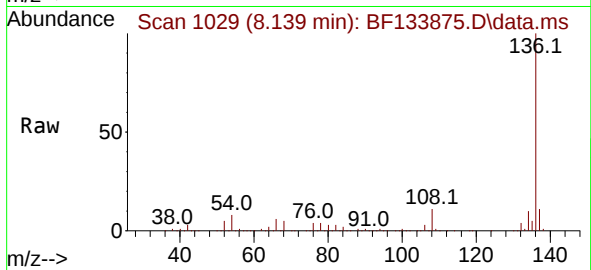
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 8.1 7.4 11.0

68 5.1 4.4 6.6



#23

Nitrobenzene-d5

Concen: 63.556 ng

RT: 7.422 min Scan# 907

Delta R.T. 0.000 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

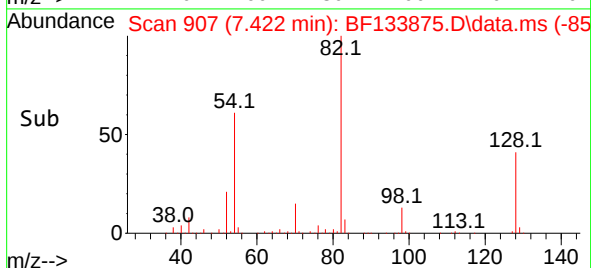
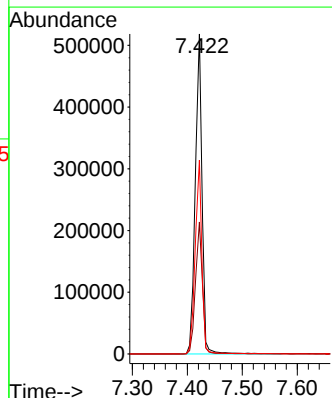
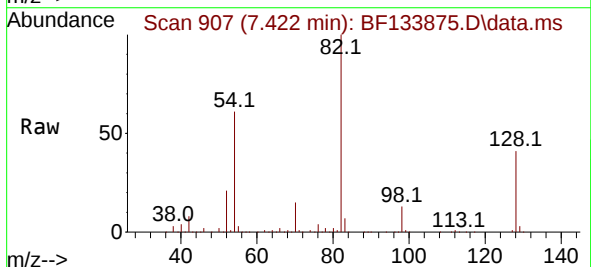
Tgt Ion: 82 Resp: 440646

Ion Ratio Lower Upper

82 100

128 41.3 34.2 51.2

54 60.6 46.5 69.7

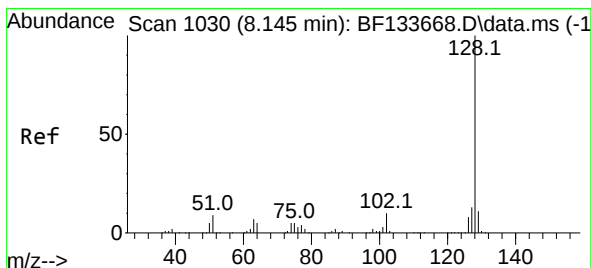
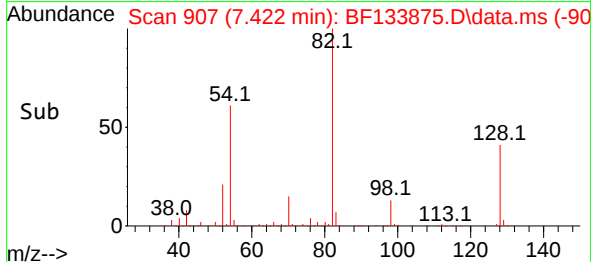
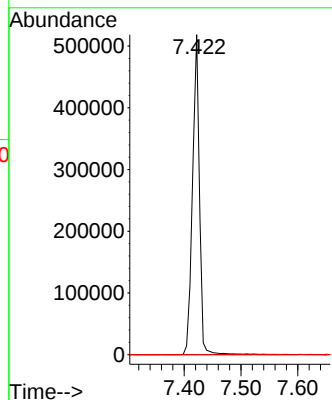
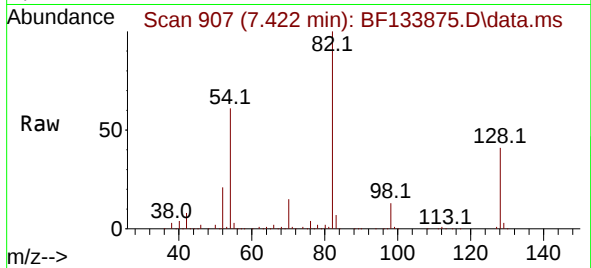




#25
Isophorone
Concen: 34.619 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

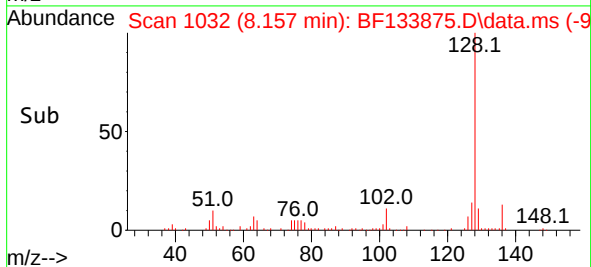
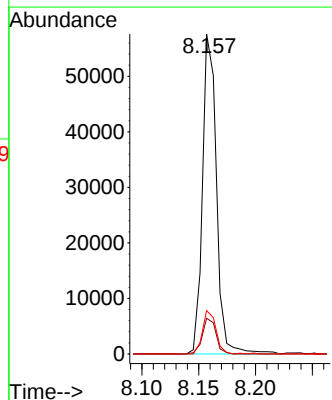
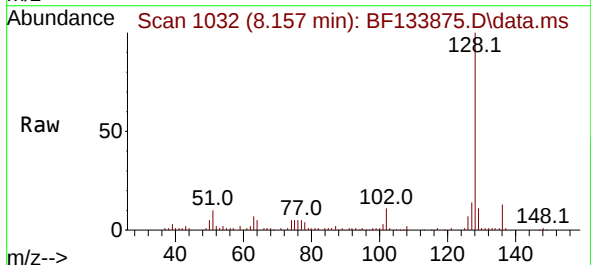
Instrument :
BNA_F
ClientSampleId :

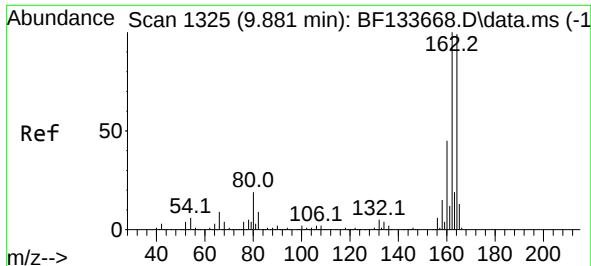
Tgt Ion: 82 Resp: 440643
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 2.689 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

Tgt Ion:128 Resp: 49465
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.5 10.5 15.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

Instrument :

BNA_F

ClientSampleId :

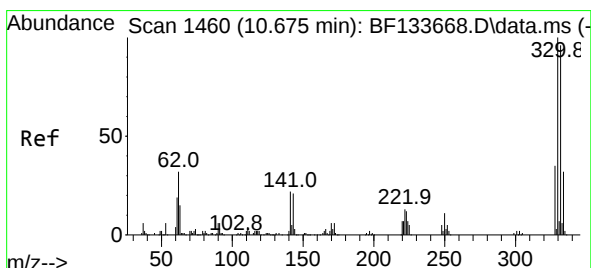
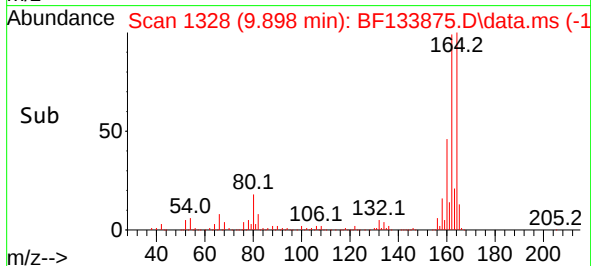
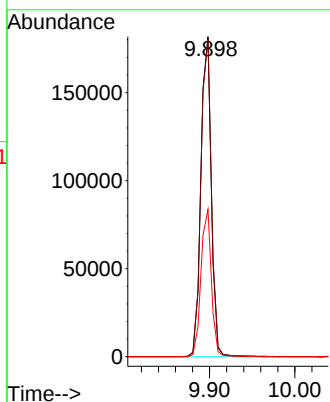
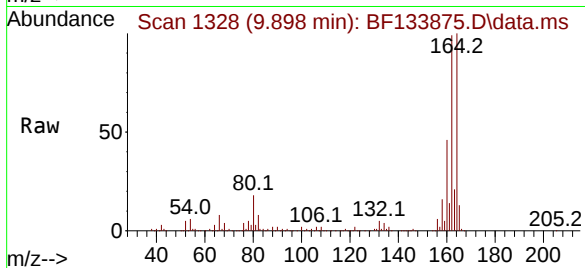
Tgt Ion:164 Resp: 153771

Ion Ratio Lower Upper

164 100

162 99.4 80.8 121.2

160 46.0 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 73.916 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

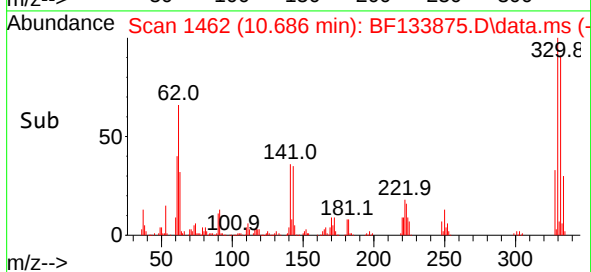
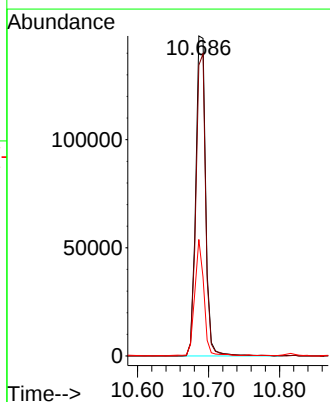
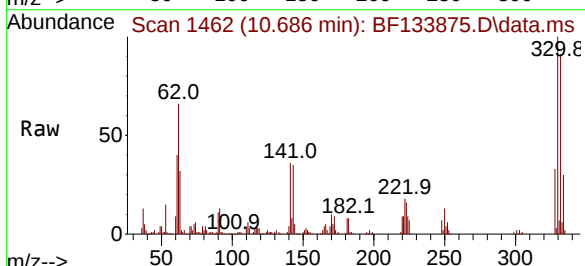
Tgt Ion:330 Resp: 143875

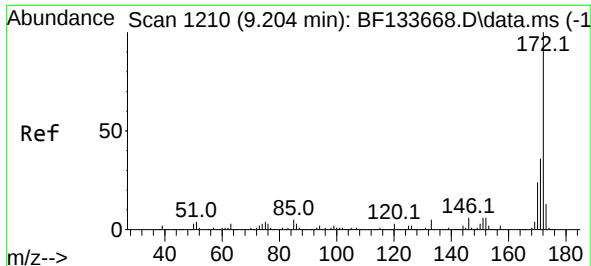
Ion Ratio Lower Upper

330 100

332 92.9 77.2 115.8

141 34.0 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 68.880 ng

RT: 9.216 min Scan# 1

Delta R.T. 0.000 min

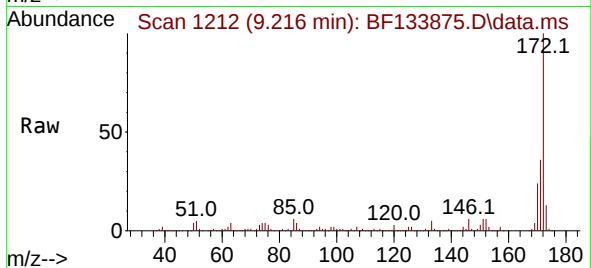
Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

Instrument :

BNA_F

ClientSampleId :



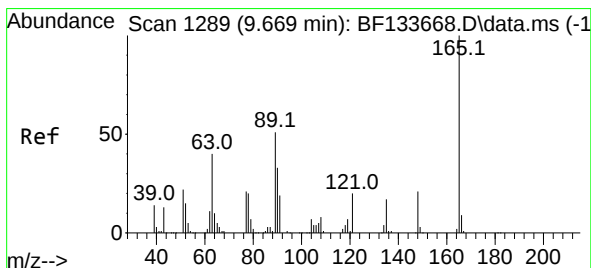
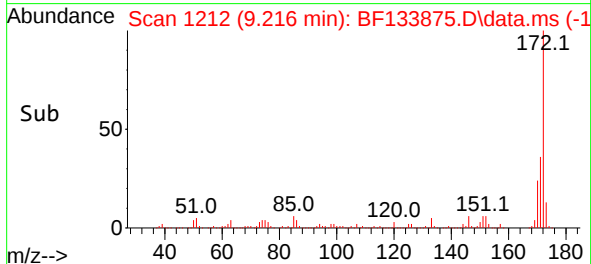
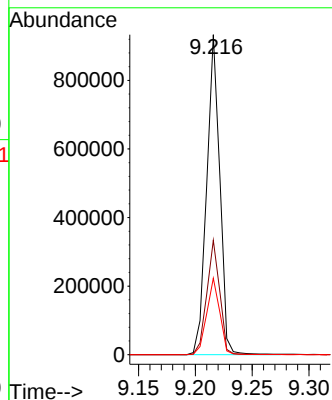
Tgt Ion:172 Resp: 745103

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 23.9 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.425 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.218 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

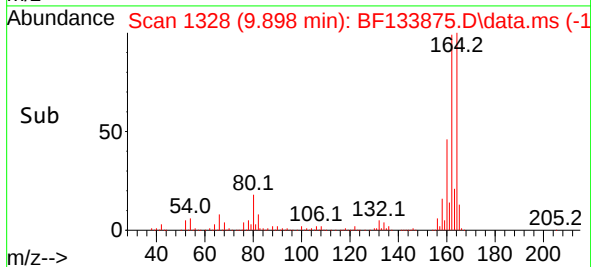
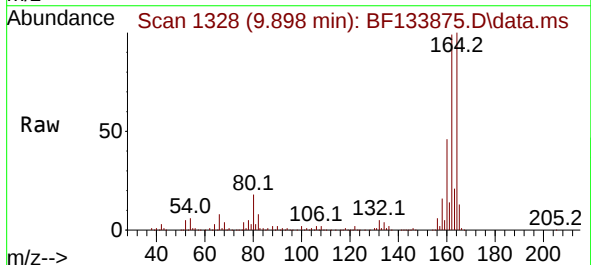
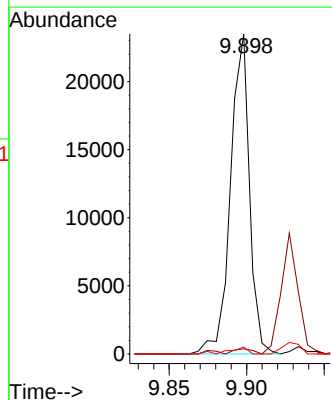
Tgt Ion:165 Resp: 19959

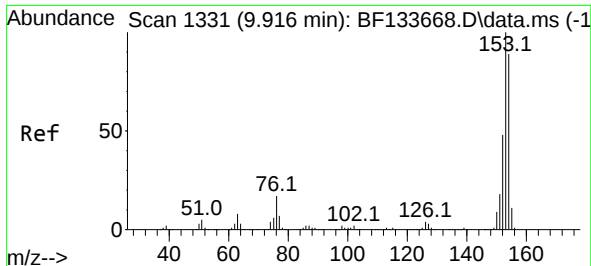
Ion Ratio Lower Upper

165 100

63 1.6 42.1 63.1#

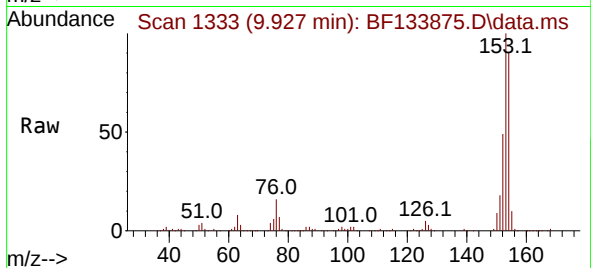
89 2.1 40.9 61.3#



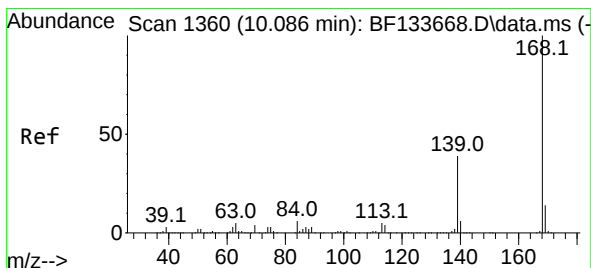
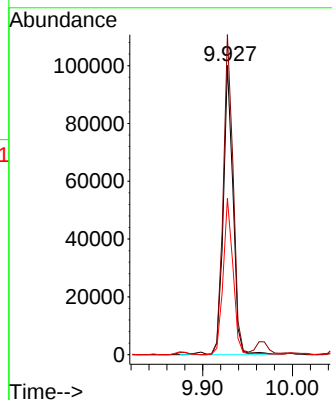
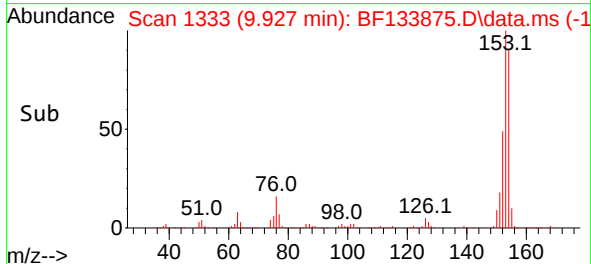


#52
Acenaphthene
Concen: 8.378 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

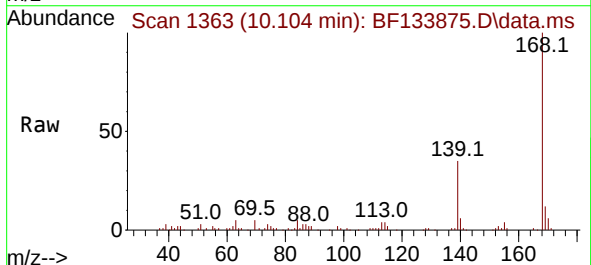
Instrument :
BNA_F
ClientSampleId :



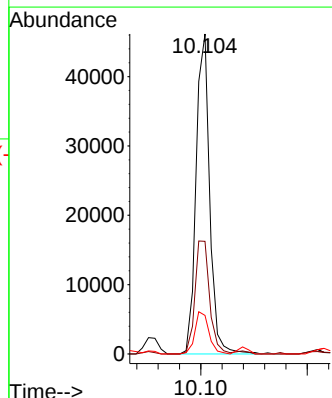
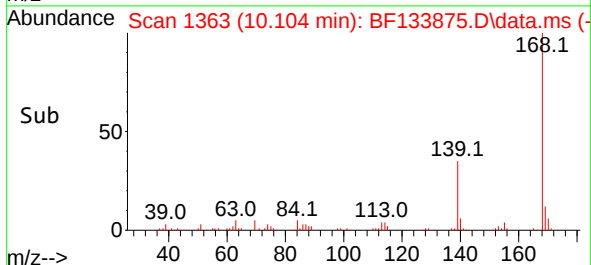
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Ion Ratio Lower Upper
154 100
153 110.7 89.8 134.8
152 54.1 43.4 65.2

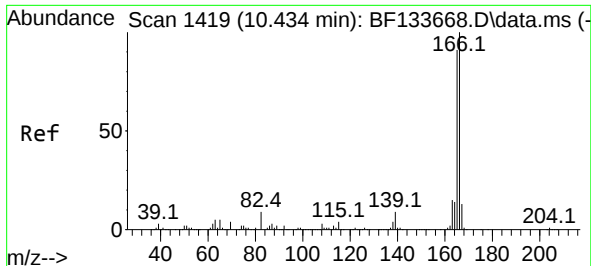


#55
Dibenzofuran
Concen: 2.964 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25



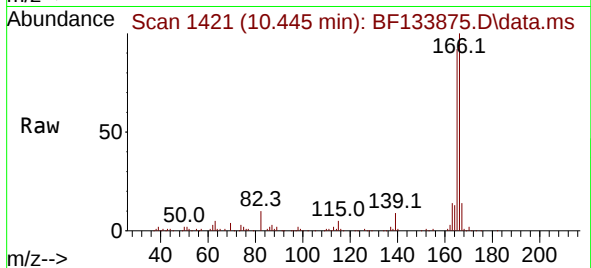
Tgt Ion:168 Resp: 40995
Ion Ratio Lower Upper
168 100
139 35.2 30.9 46.3
169 12.1 10.9 16.3



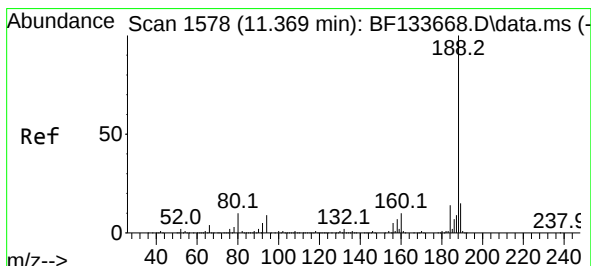
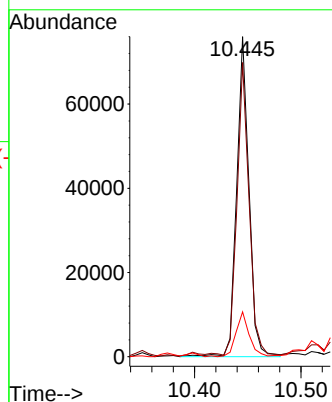
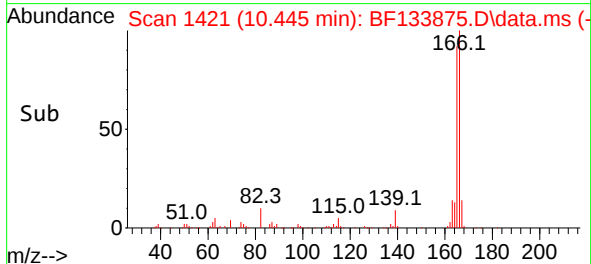


#58
Fluorene
Concen: 5.780 ng
RT: 10.445 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

Instrument :
BNA_F
ClientSampleId :

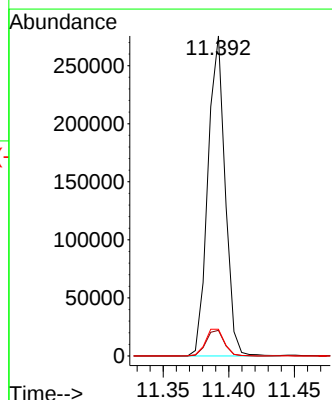
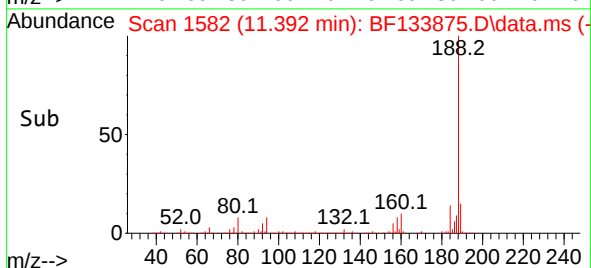
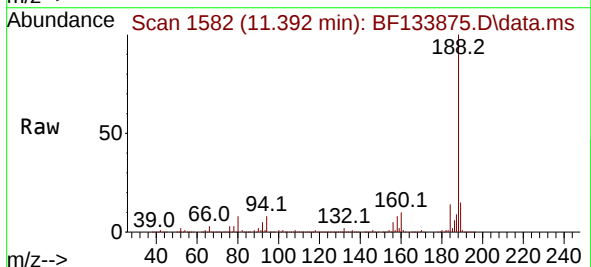


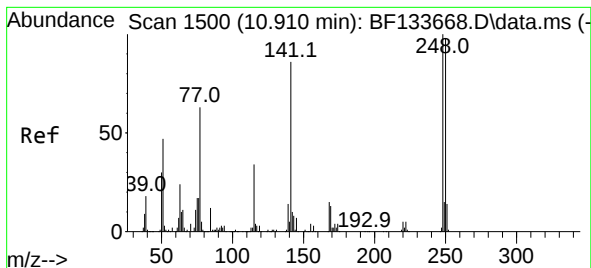
Tgt Ion:166 Resp: 61131
Ion Ratio Lower Upper
166 100
165 91.9 73.1 109.7
167 14.0 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

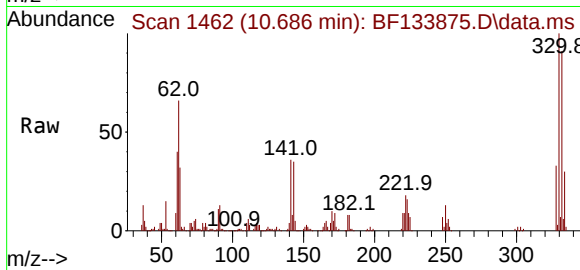
Tgt Ion:188 Resp: 252051
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.4 7.8 11.6



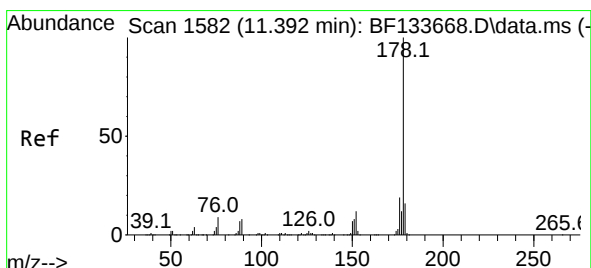
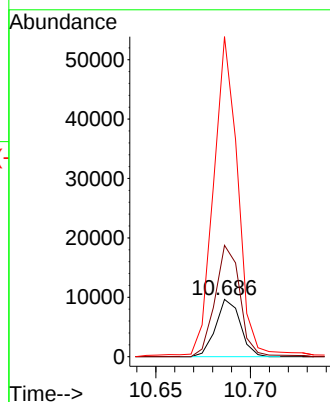
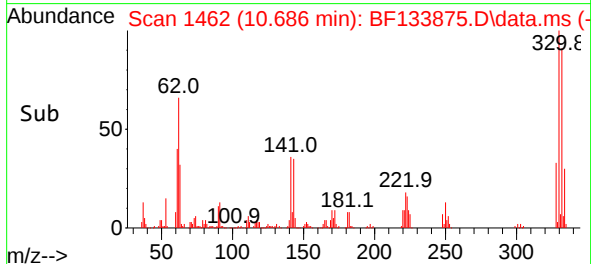


#67
4-Bromophenyl-phenylether
Concen: 3.101 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

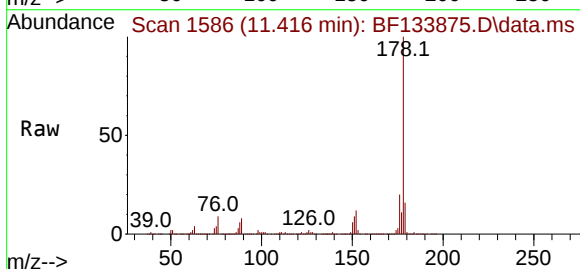
Instrument :
BNA_F
ClientSampleId :



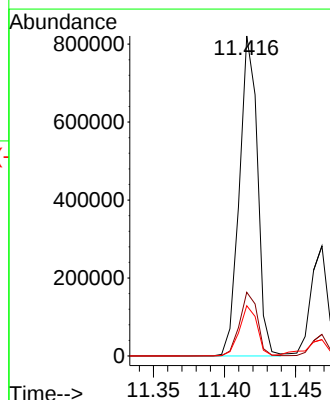
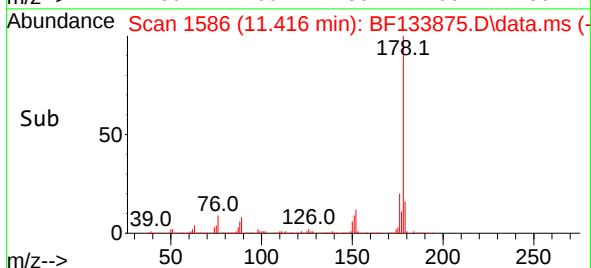
Tgt Ion:248 Resp: 8723
Ion Ratio Lower Upper
248 100
250 194.7 78.3 117.5#
141 559.2 69.0 103.6#

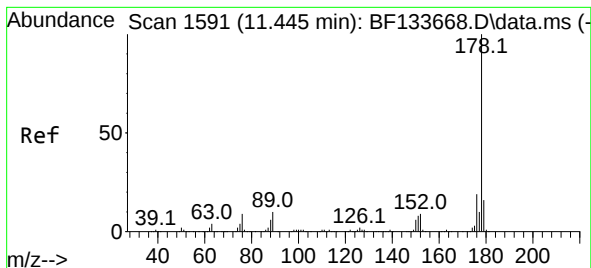


#71
Phenanthrene
Concen: 57.080 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25



Tgt Ion:178 Resp: 729922
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.7 12.4 18.6





#72

Anthracene

Concen: 17.050 ng

RT: 11.469 min Scan# 1595

Delta R.T. 0.000 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

Instrument :

BNA_F

ClientSampleId :

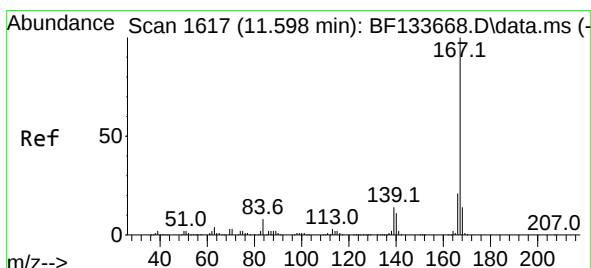
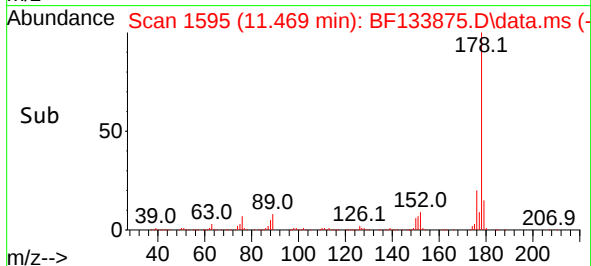
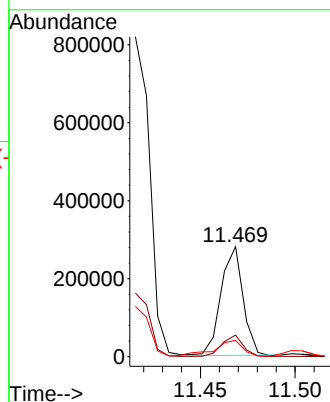
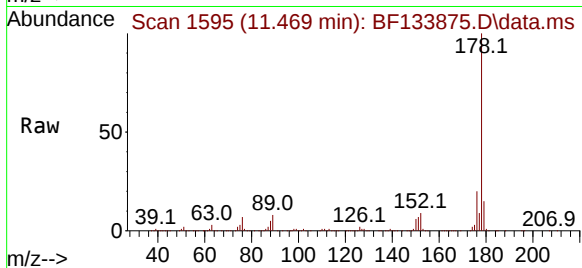
Tgt Ion:178 Resp: 227338

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

179 14.9 12.6 18.8



#73

Carbazole

Concen: 6.986 ng

RT: 11.621 min Scan# 1621

Delta R.T. 0.000 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

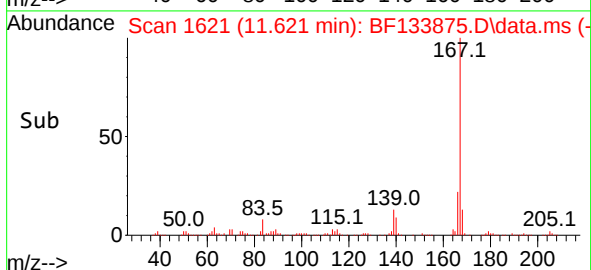
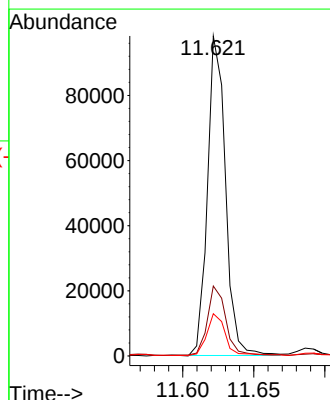
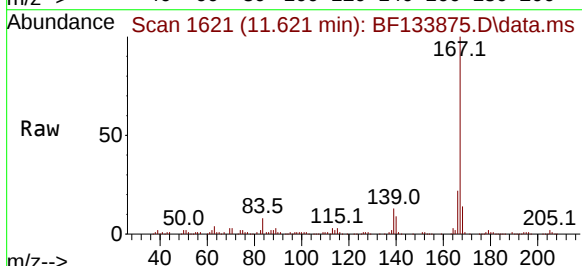
Tgt Ion:167 Resp: 86761

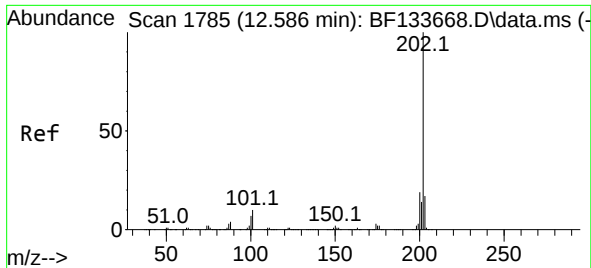
Ion Ratio Lower Upper

167 100

166 21.9 17.0 25.6

139 13.2 11.2 16.8

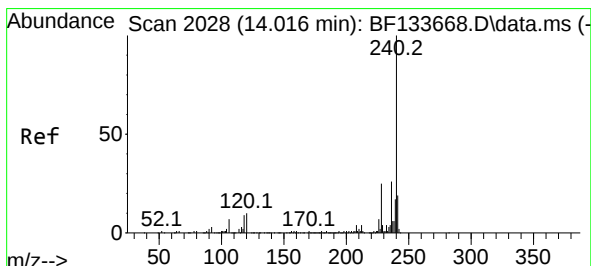
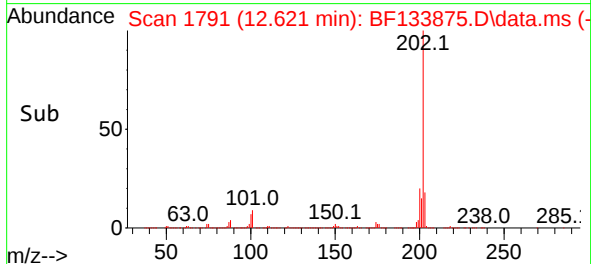
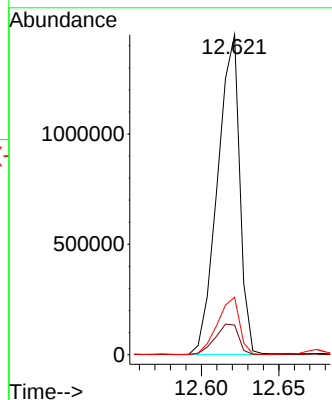
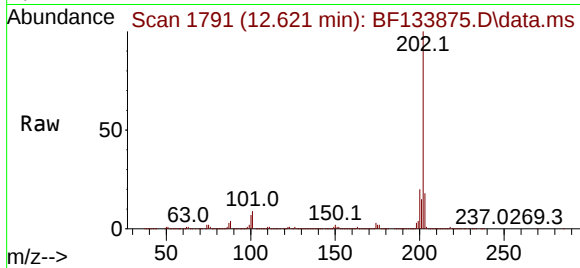




#75
Fluoranthene
Concen: 106.185 ng
RT: 12.621 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

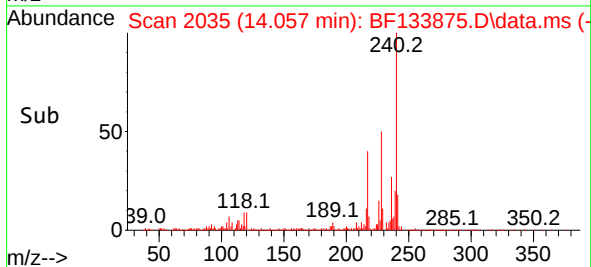
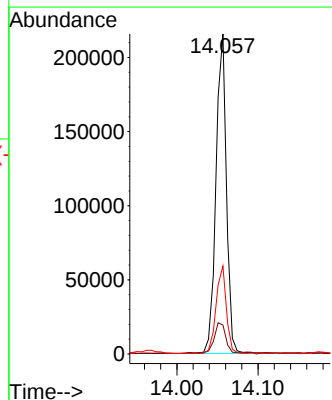
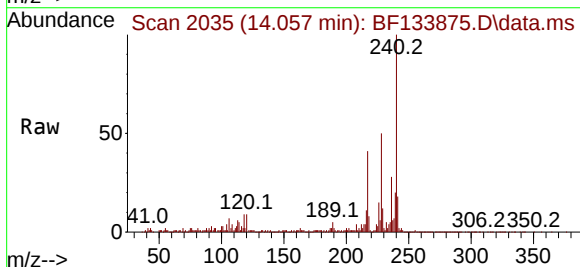
Instrument :
BNA_F
ClientSampleId :

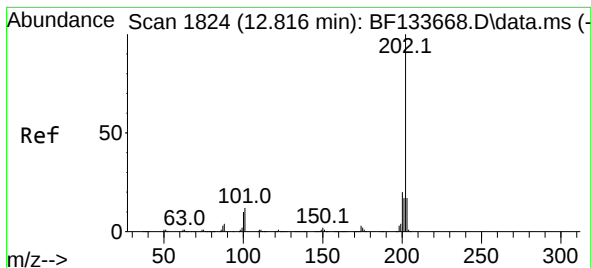
Tgt Ion:202 Resp: 1441966
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.6
203 18.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

Tgt Ion:240 Resp: 193290
Ion Ratio Lower Upper
240 100
120 9.1 8.1 12.1
236 27.5 20.5 30.7





#78

Pyrene

Concen: 74.351 ng

RT: 12.851 min Scan# 1830

Delta R.T. 0.012 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

Instrument :

BNA_F

ClientSampleId :

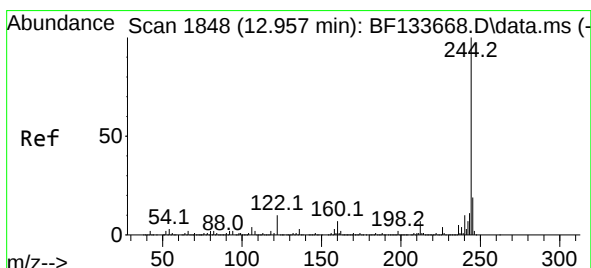
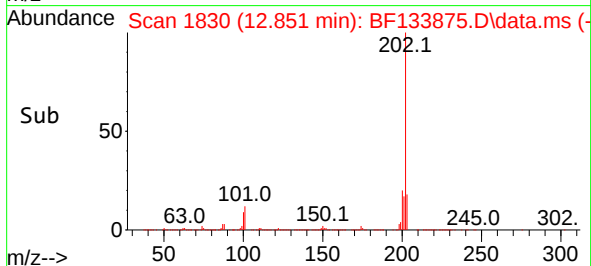
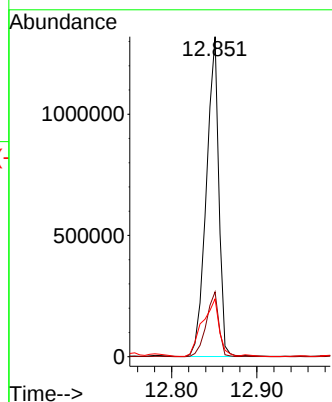
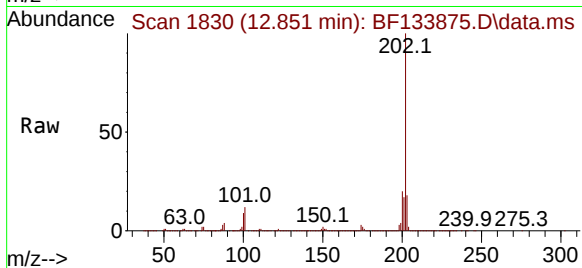
Tgt Ion:202 Resp: 1338749

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 18.1 13.9 20.9



#79

Terphenyl-d14

Concen: 54.891 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.000 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

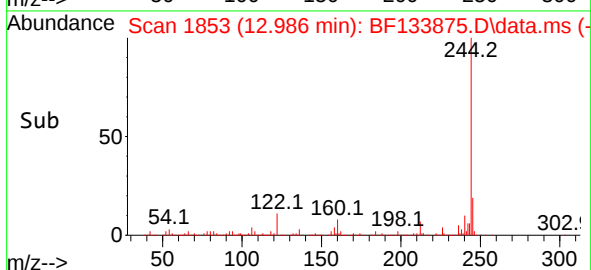
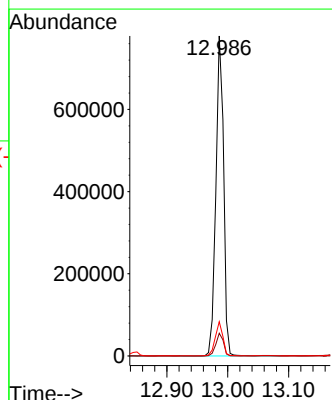
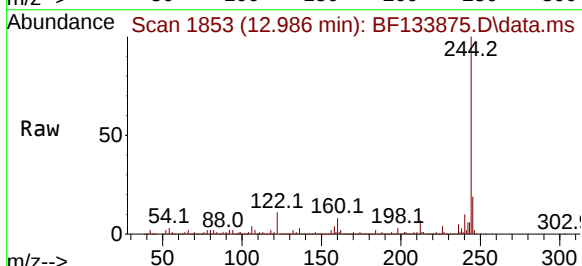
Tgt Ion:244 Resp: 685684

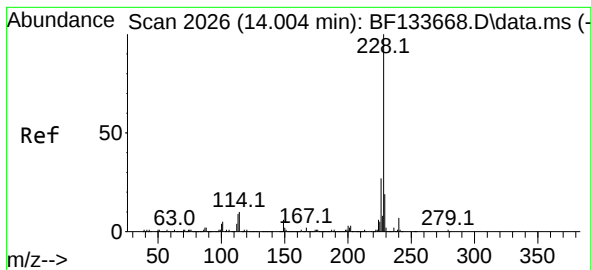
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.7 8.1 12.1





#81

Benzo(a)anthracene

Concen: 58.216 ng

RT: 14.045 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

Instrument :

BNA_F

ClientSampleId :

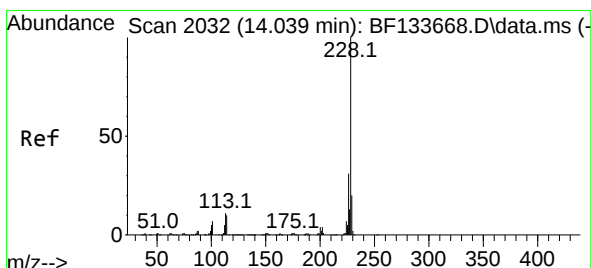
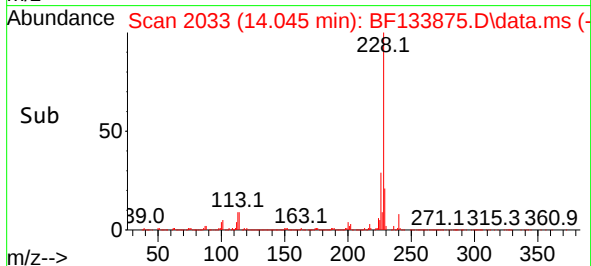
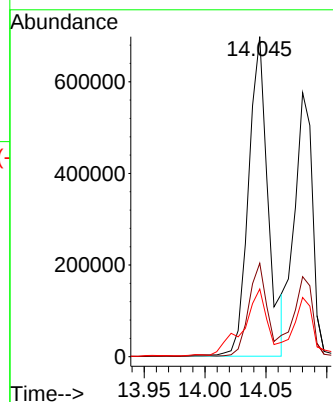
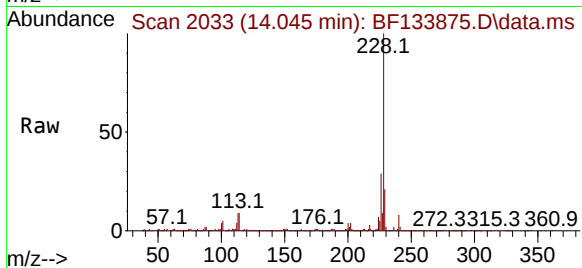
Tgt Ion:228 Resp: 778344

Ion Ratio Lower Upper

228 100

226 29.2 21.7 32.5

229 21.2 15.4 23.2



#83

Chrysene

Concen: 46.917 ng

RT: 14.080 min Scan# 2039

Delta R.T. 0.006 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

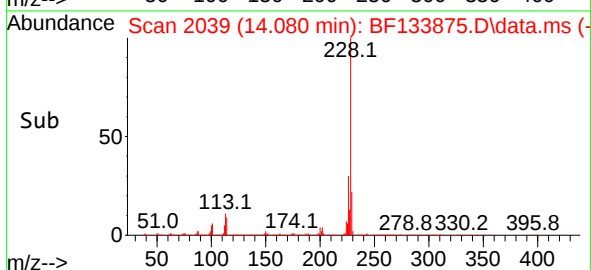
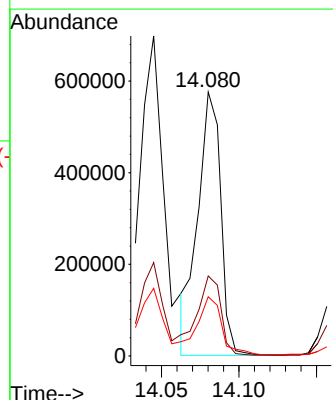
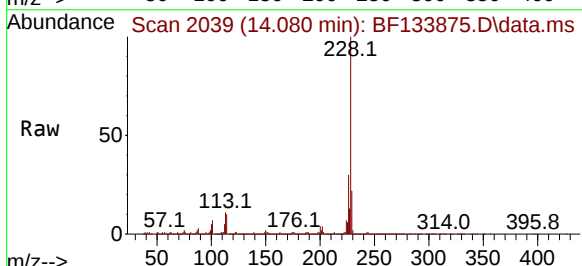
Tgt Ion:228 Resp: 593287

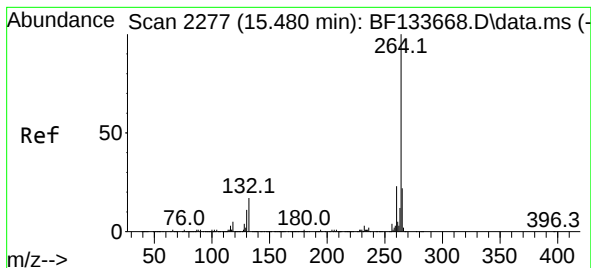
Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

229 22.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

Instrument :

BNA_F

ClientSampleId :

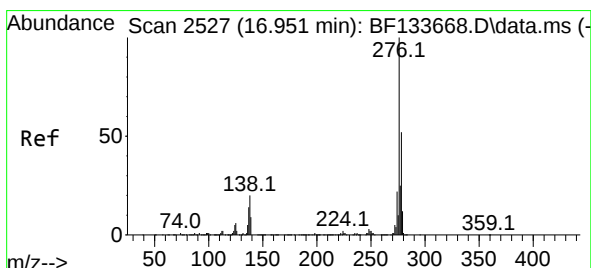
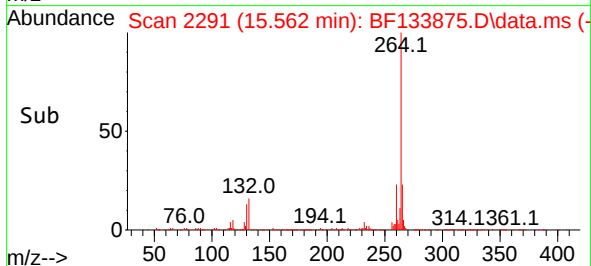
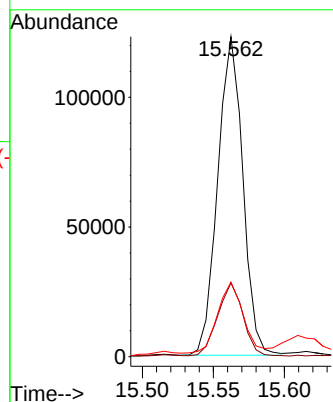
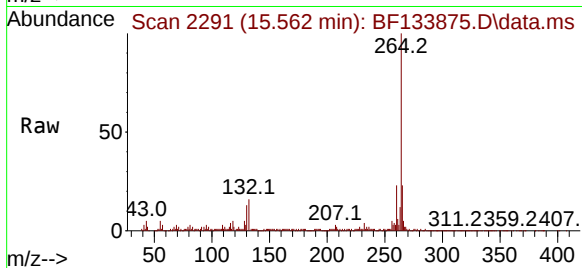
Tgt Ion:264 Resp: 151078

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.2

265 23.3 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 23.907 ng

RT: 17.109 min Scan# 2554

Delta R.T. 0.012 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

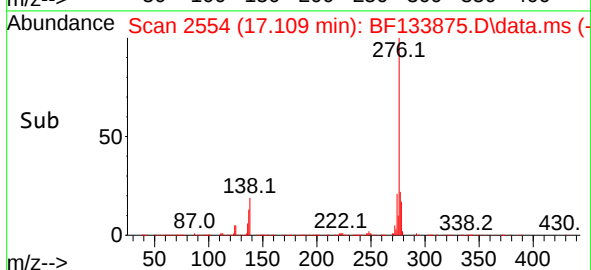
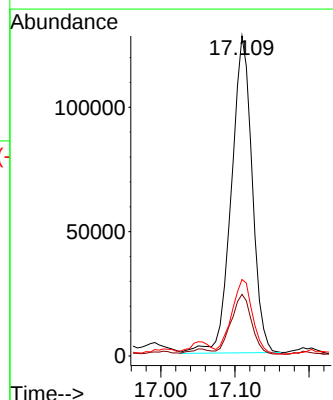
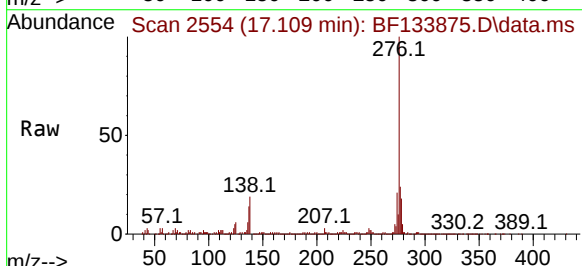
Tgt Ion:276 Resp: 248486

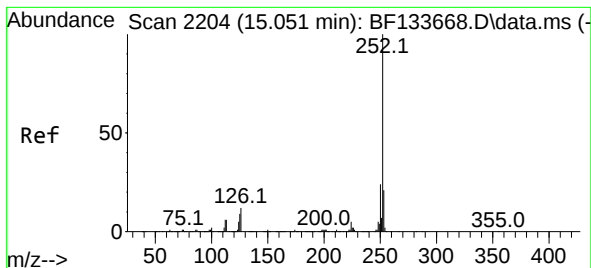
Ion Ratio Lower Upper

276 100

138 18.4 17.9 26.9

277 23.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 94.108 ng

RT: 15.121 min Scan# 2216

Delta R.T. 0.018 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

Instrument :

BNA_F

ClientSampleId :

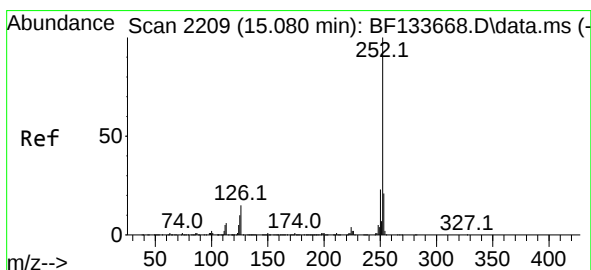
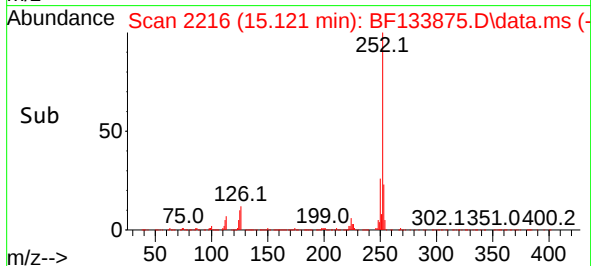
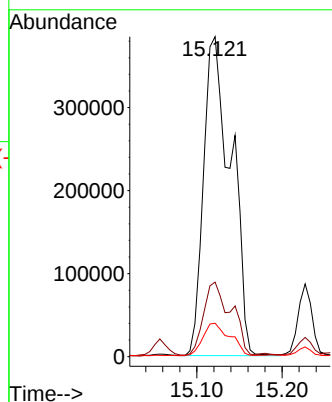
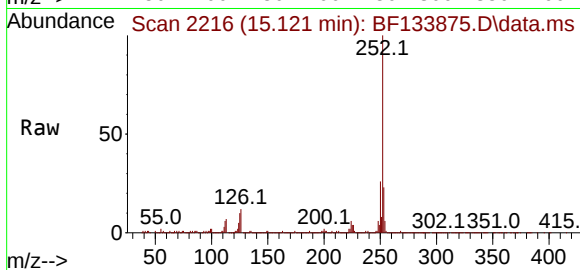
Tgt Ion:252 Resp: 863665

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 10.4 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 96.609 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.012 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

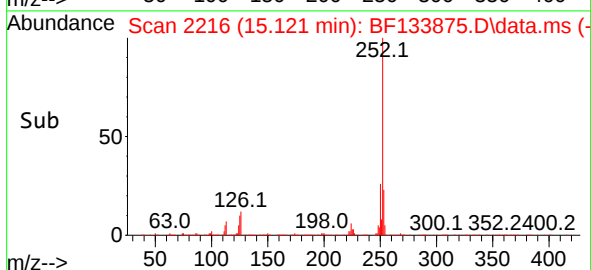
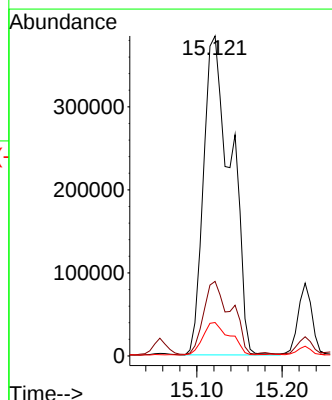
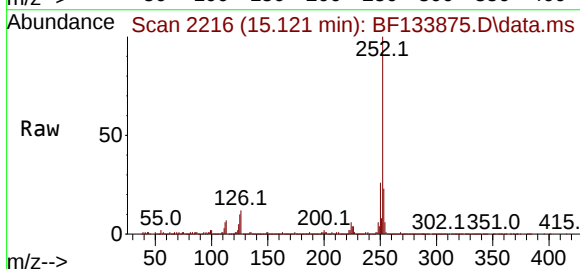
Tgt Ion:252 Resp: 863665

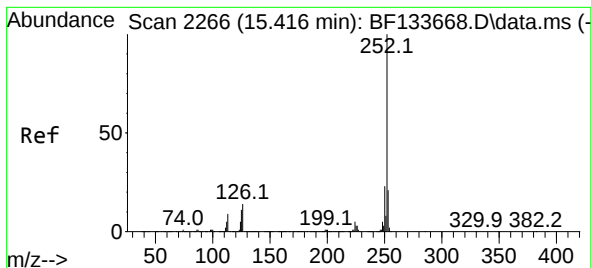
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 10.4 7.8 11.6





#90

Benzo(a)pyrene

Concen: 52.386 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

Instrument :

BNA_F

ClientSampleId :

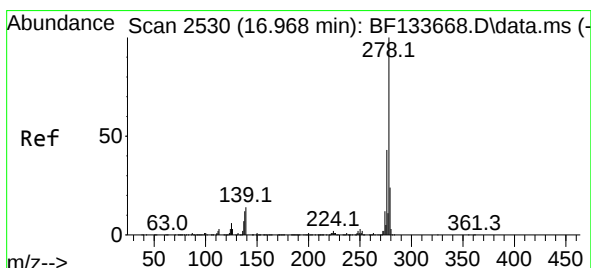
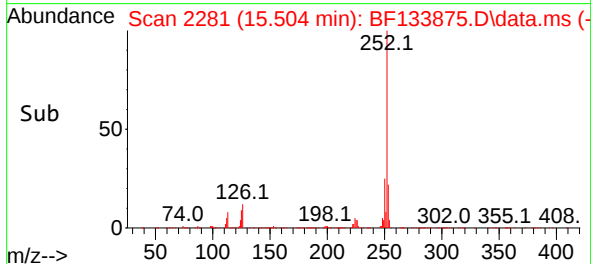
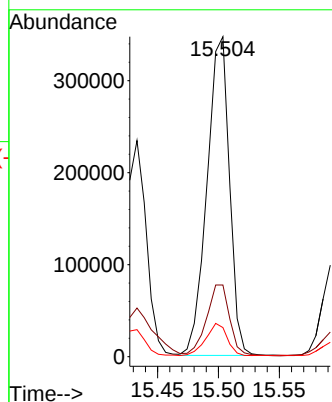
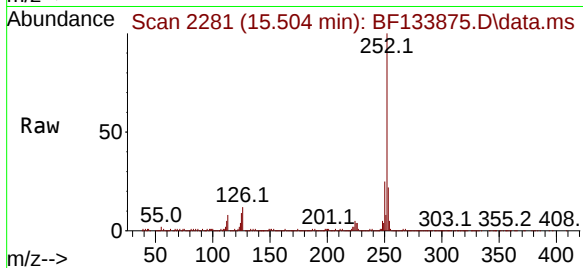
Tgt Ion:252 Resp: 446185

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 9.1 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 5.847 ng

RT: 17.303 min Scan# 2587

Delta R.T. 0.182 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

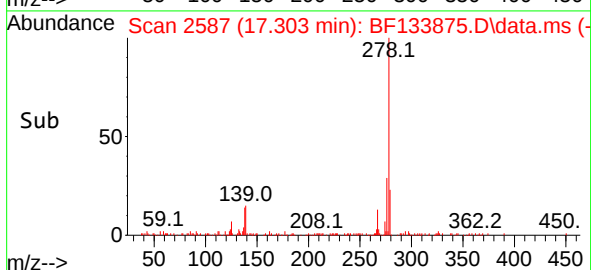
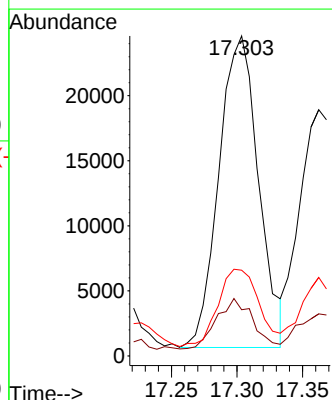
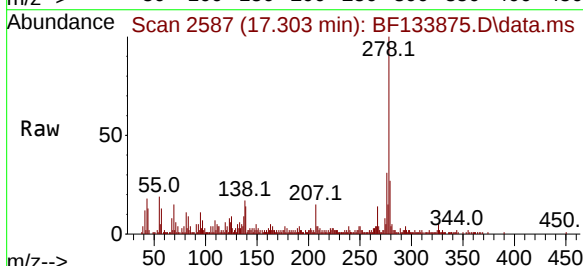
Tgt Ion:278 Resp: 50312

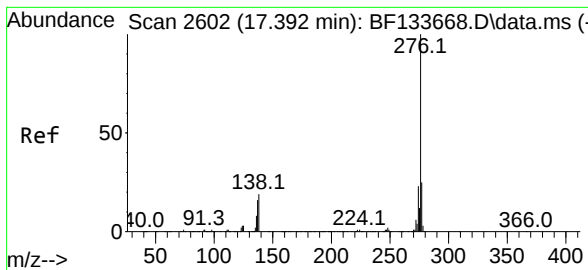
Ion Ratio Lower Upper

278 100

139 14.4 11.4 17.2

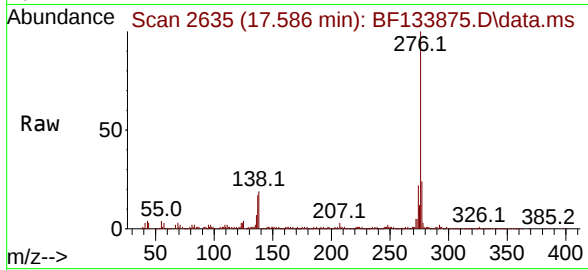
279 26.8 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 26.770 ng
 RT: 17.586 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF133875.D
 Acq: 21 Jun 2023 17:25

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:276 Resp: 228386
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.8 29.8
 138 18.7 15.0 22.4

