

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 :
 COMPOSIT-TW-01

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)

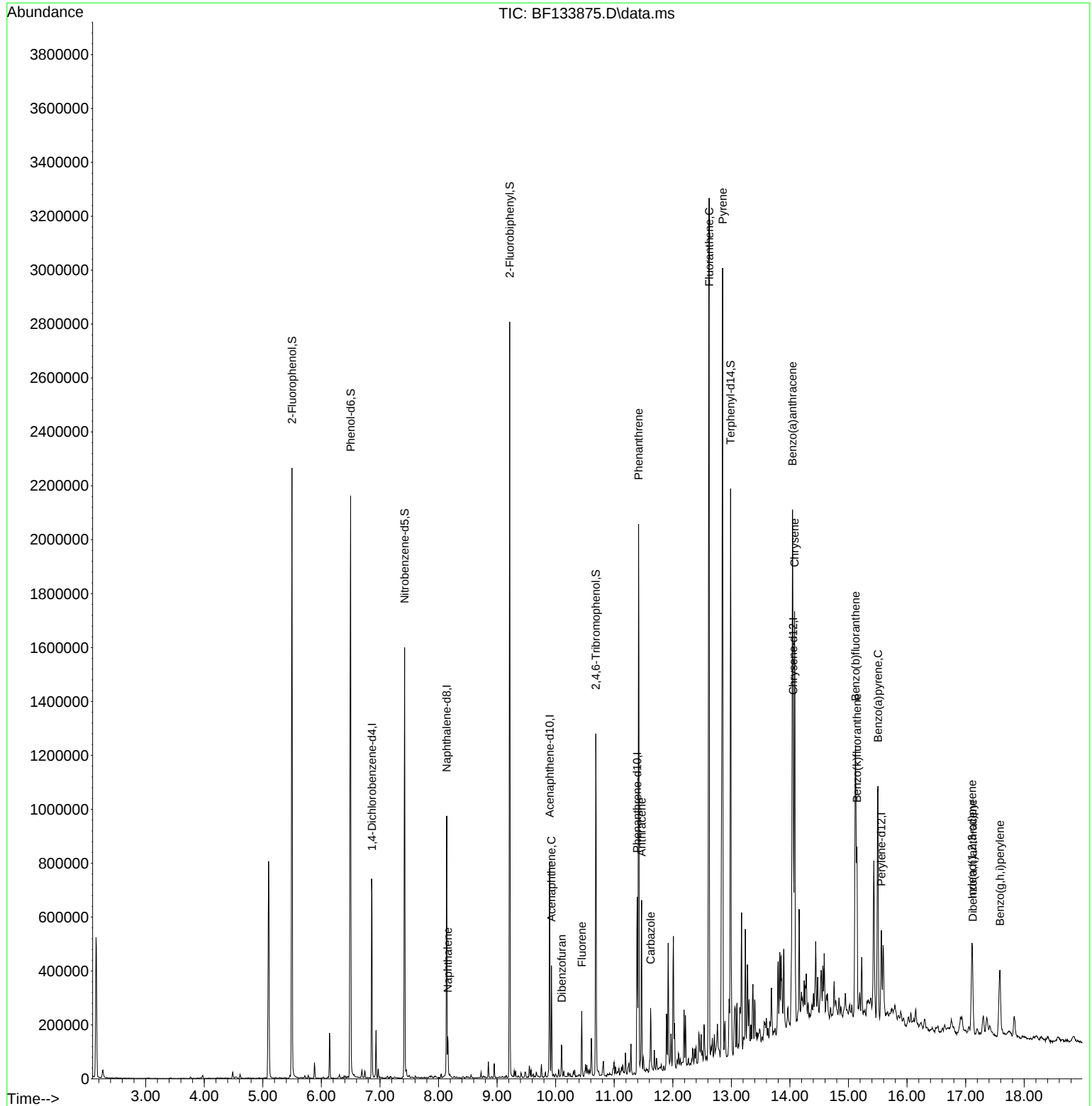
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	106670	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	377627	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	153771	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	252051	20.000	ng	0.00
76) Chrysene-d12	14.057	240	193290	20.000	ng	0.01
86) Perylene-d12	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
31) Naphthalene	8.157	128	49465	2.689	ng	99
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
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	609539m	66.418	ng	
89) Benzo(k)fluoranthene	15.145	252	172343m	19.278	ng	
90) Benzo(a)pyrene	15.504	252	446185	52.386	ng	97
91) Dibenzo(a,h)anthracene	17.121	278	60187m	6.995	ng	
92) Benzo(g,h,i)perylene	17.586	276	228386	26.770	ng	99

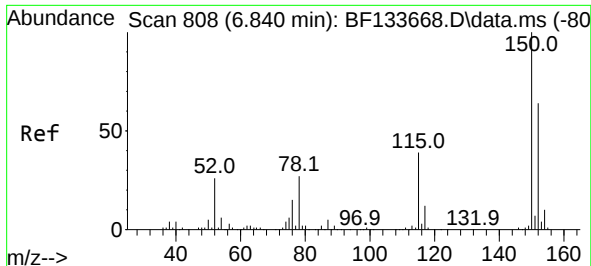
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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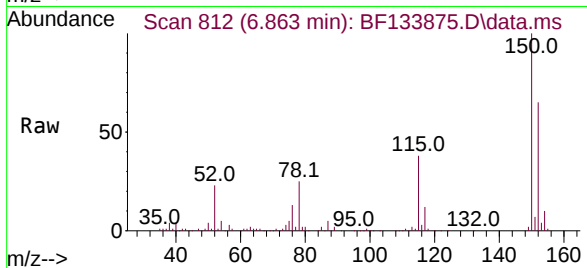
Quant Time: Jun 21 18:06:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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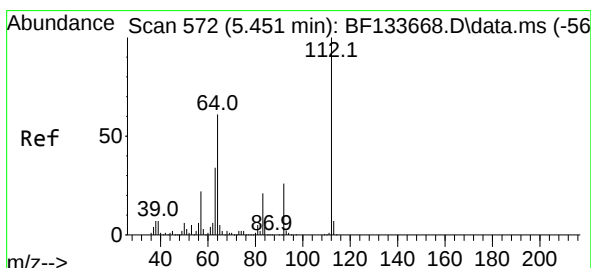
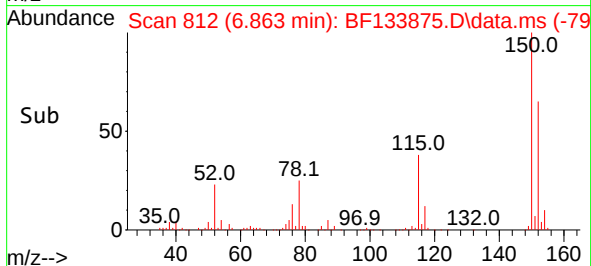
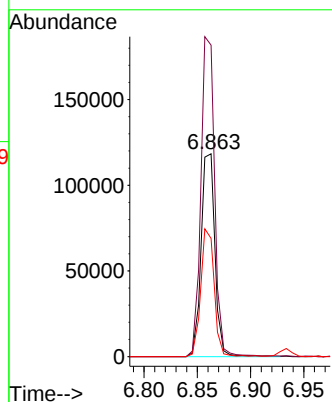


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

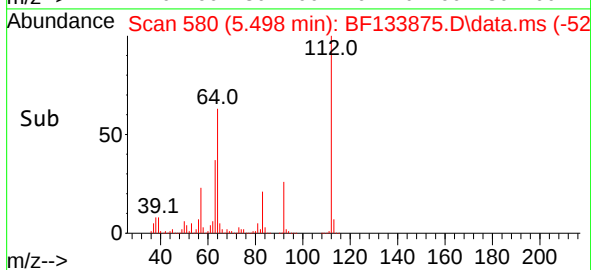
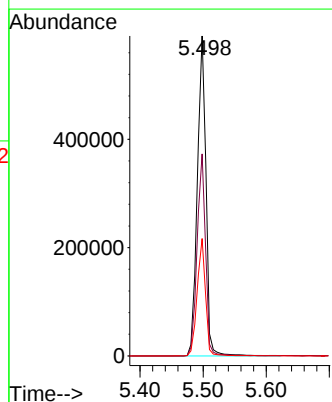
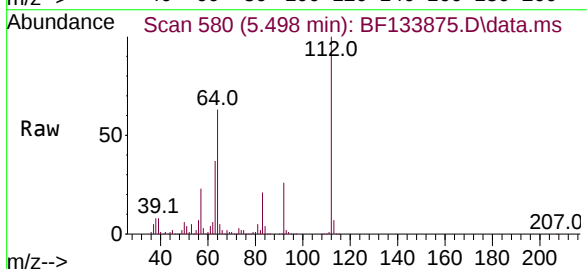


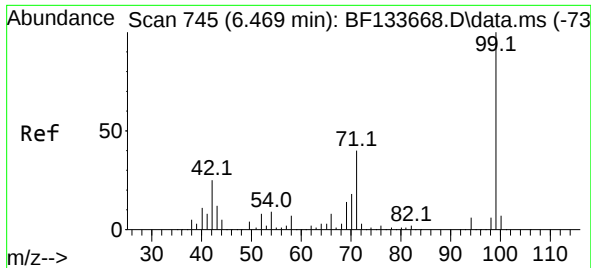
Tgt Ion:152 Resp: 106670
Ion Ratio Lower Upper
152 100
150 153.5 124.3 186.5
115 58.2 48.5 72.7



#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

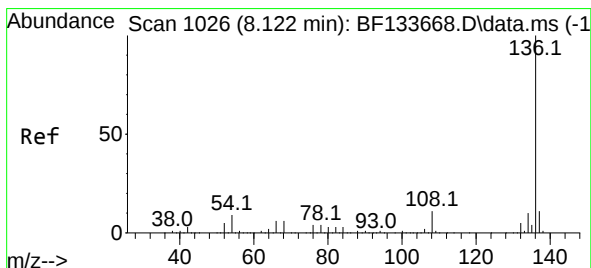
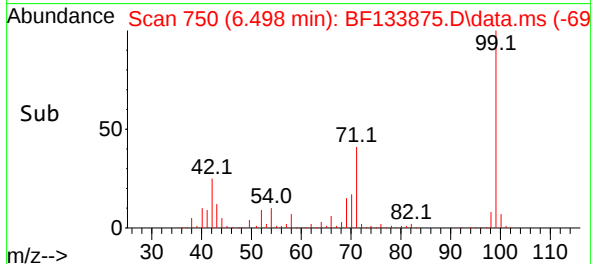
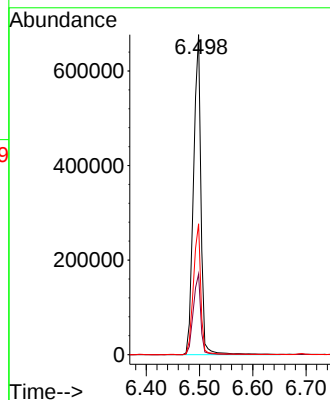
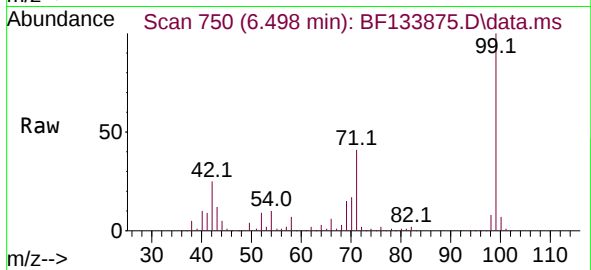




#7
Phenol-d6
Concen: 82.587 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

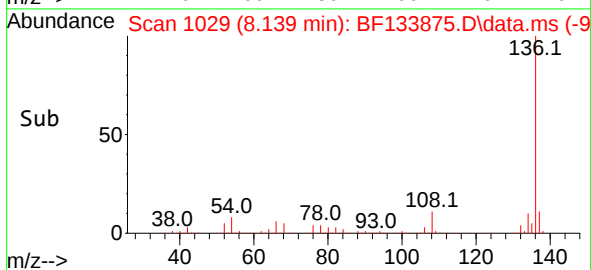
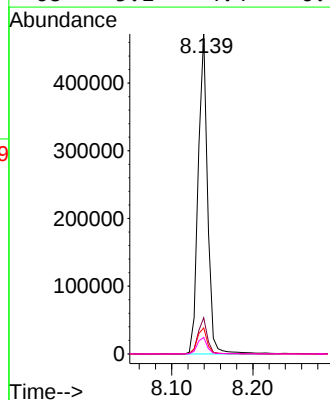
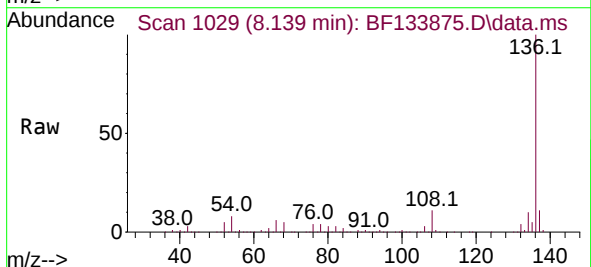
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

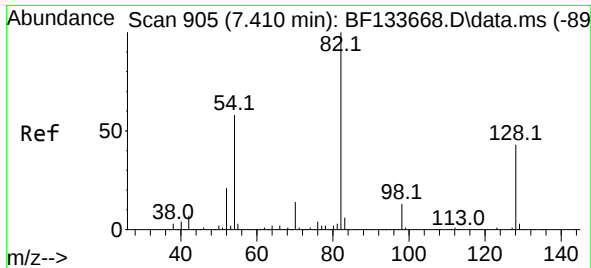
Tgt Ion: 99 Resp: 658690
Ion Ratio Lower Upper
99 100
42 25.2 19.9 29.9
71 40.9 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

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

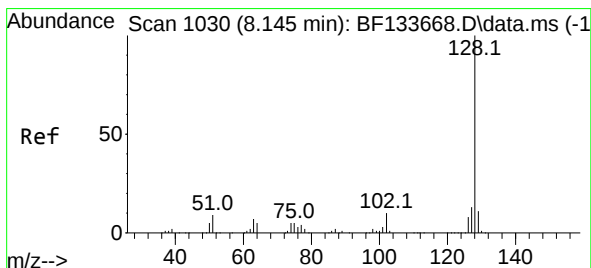
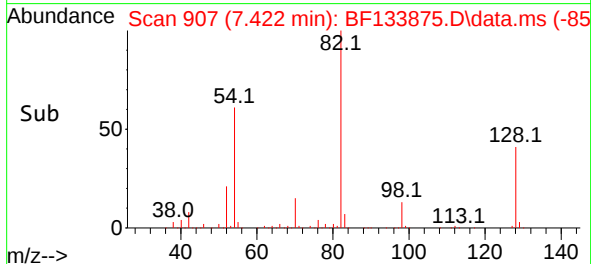
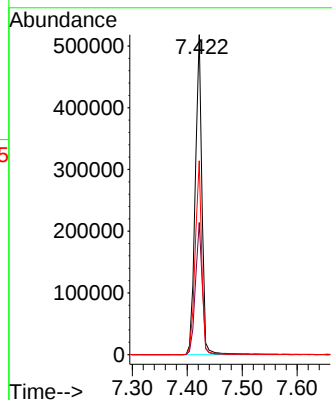
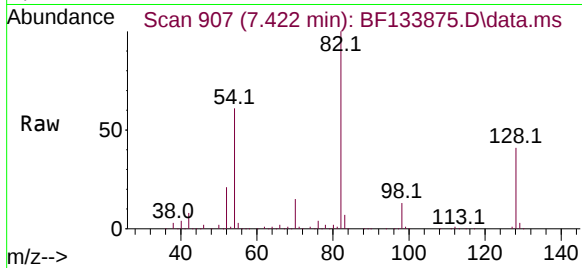




#23
Nitrobenzene-d5
Concen: 63.556 ng
RT: 7.422 min Scan# 905
Delta R.T. 0.000 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

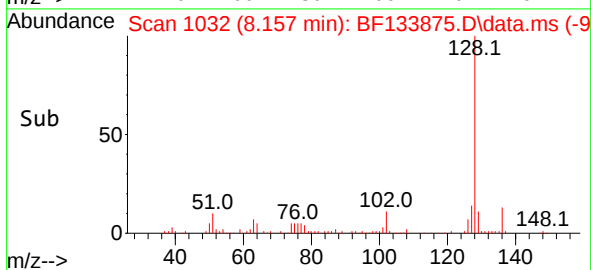
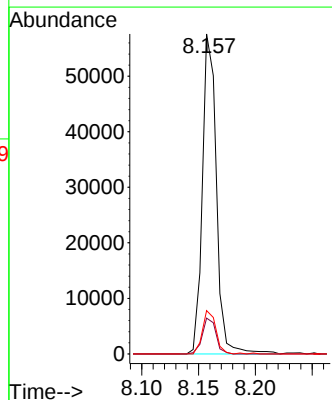
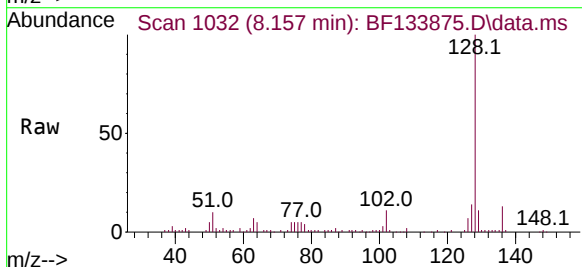
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

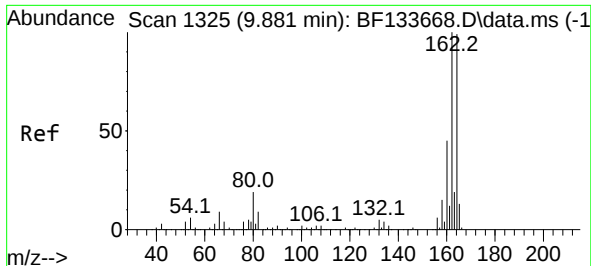
Tgt Ion: 82 Resp: 440646
Ion Ratio Lower Upper
82 100
128 41.3 34.2 51.2
54 60.6 46.5 69.7



#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

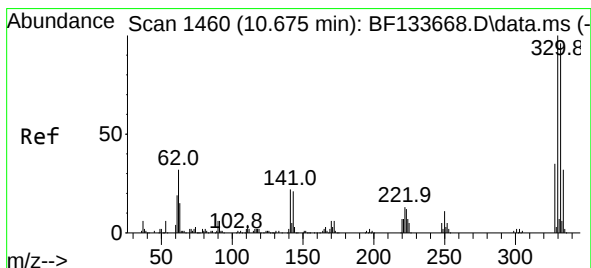
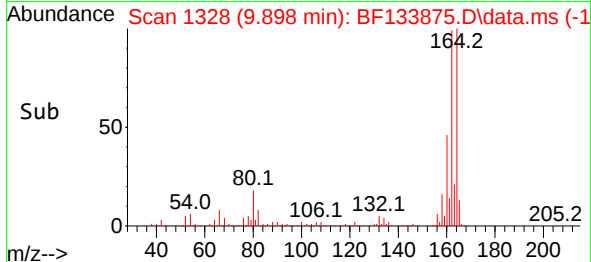
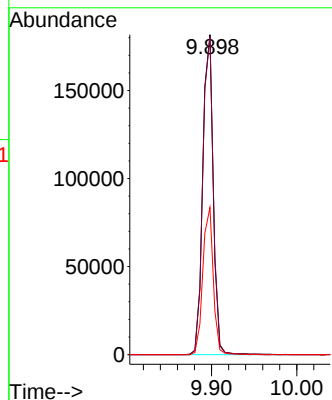
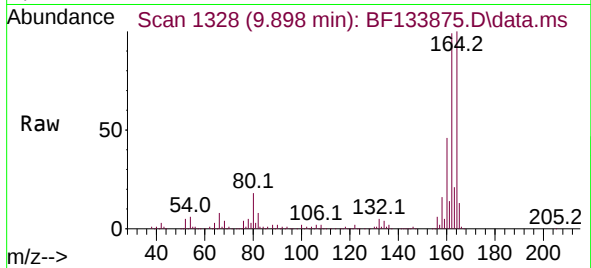




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

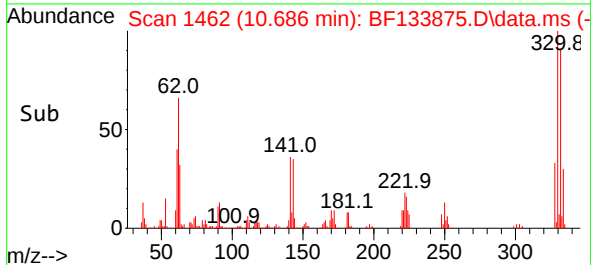
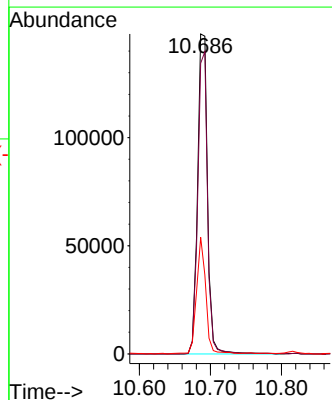
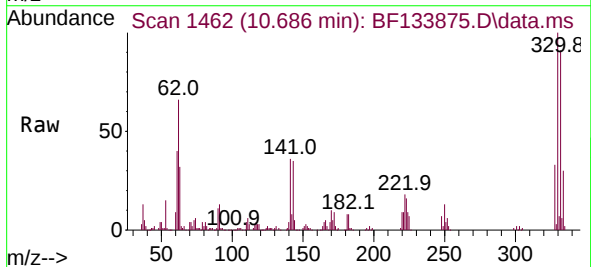
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

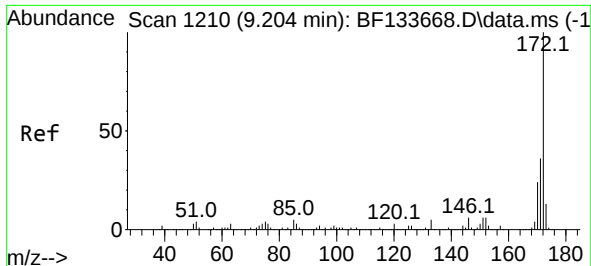
Tgt Ion:164 Resp: 153771
Ion Ratio Lower Upper
164 100
162 99.4 80.8 121.2
160 46.0 36.7 55.1



#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# 1210

Delta R.T. 0.000 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-01

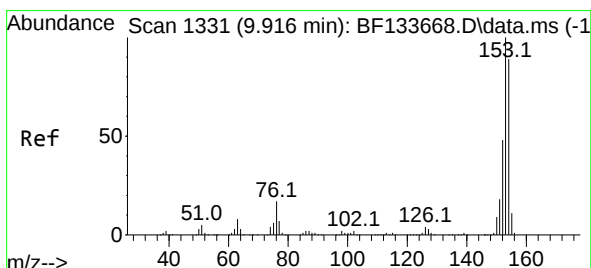
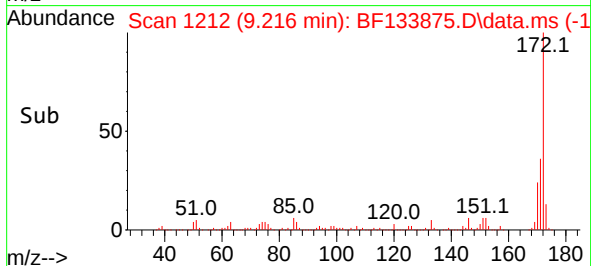
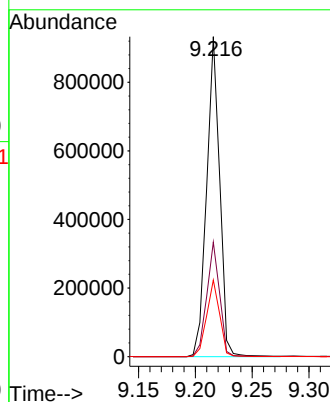
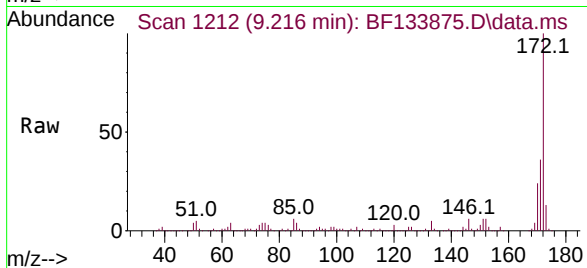
Tgt Ion:172 Resp: 745103

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 23.9 19.1 28.7



#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

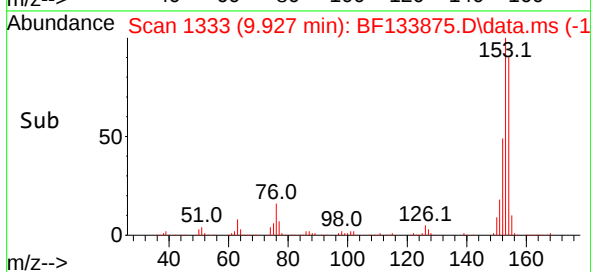
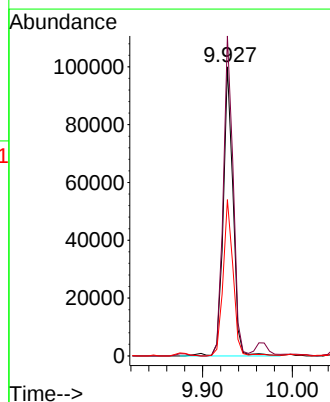
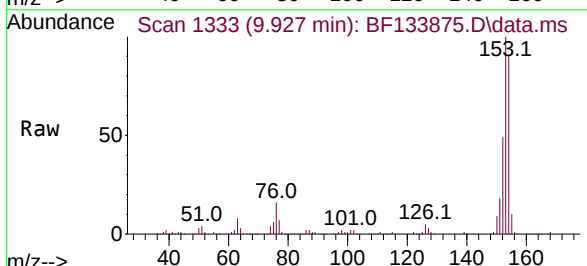
Tgt Ion:154 Resp: 75933

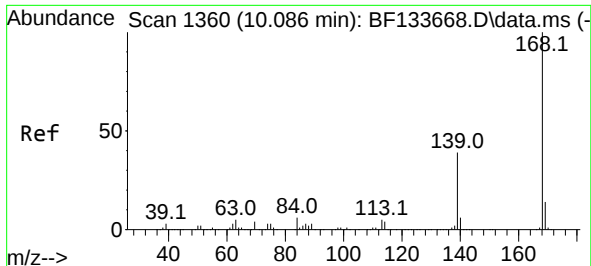
Ion Ratio Lower Upper

154 100

153 110.7 89.8 134.8

152 54.1 43.4 65.2

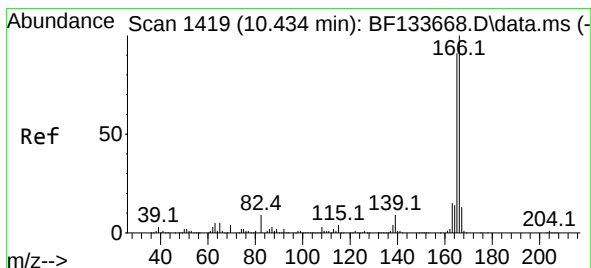
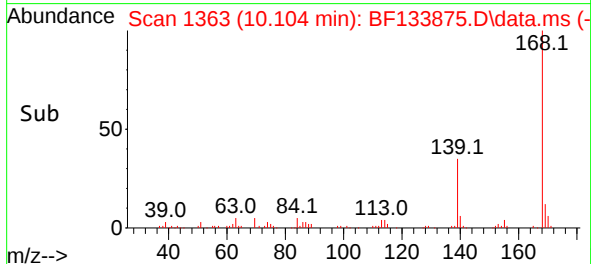
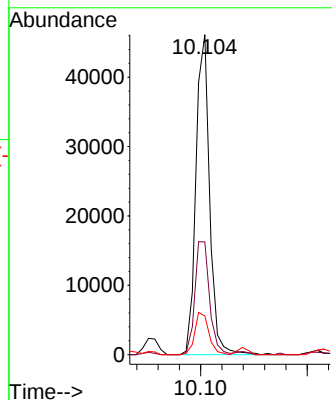
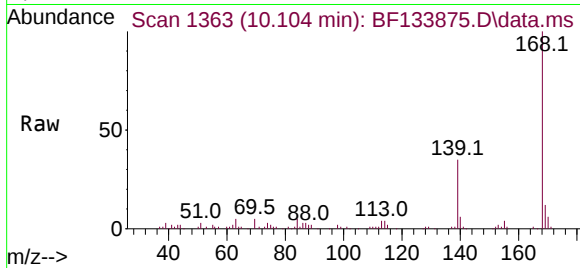




#55
Dibenzenofuran
Concen: 2.964 ng
RT: 10.104 min Scan# 1360
Delta R.T. 0.000 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

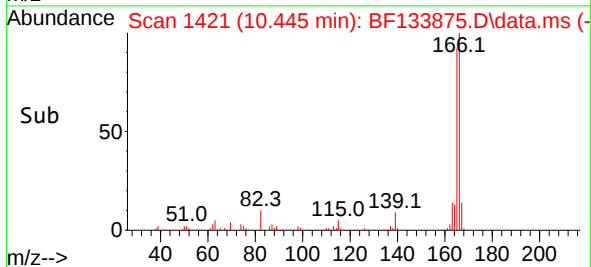
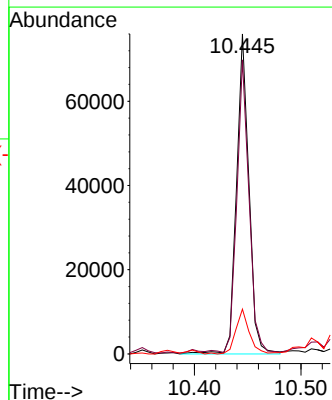
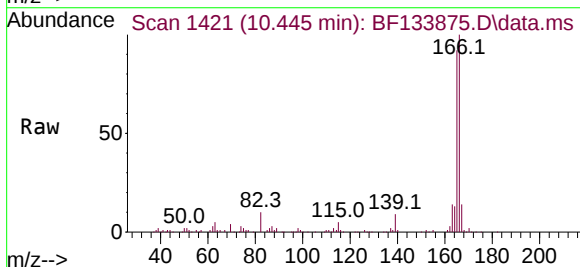
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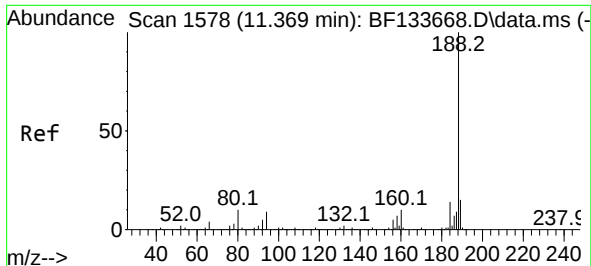
Tgt Ion:168 Resp: 40995
Ion Ratio Lower Upper
168 100
139 35.2 30.9 46.3
169 12.1 10.9 16.3



#58
Fluorene
Concen: 5.780 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

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

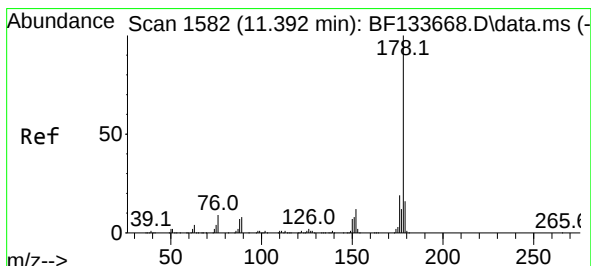
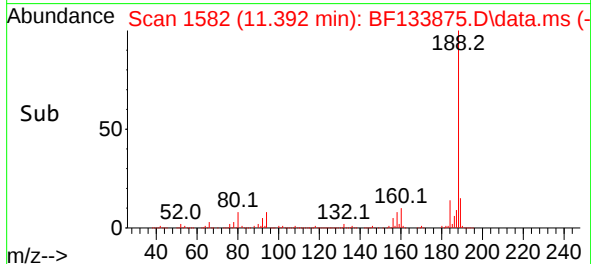
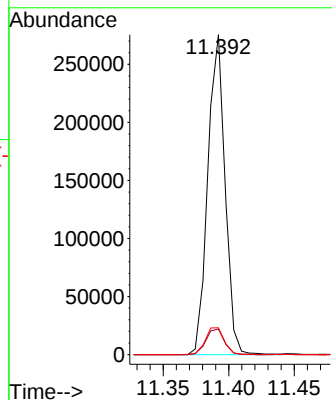
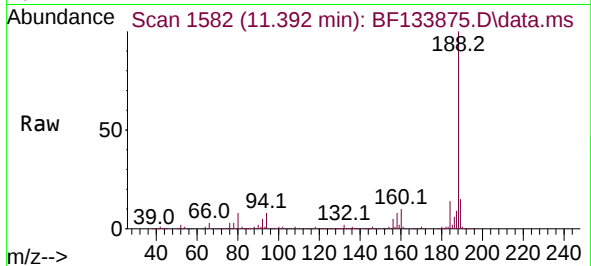




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

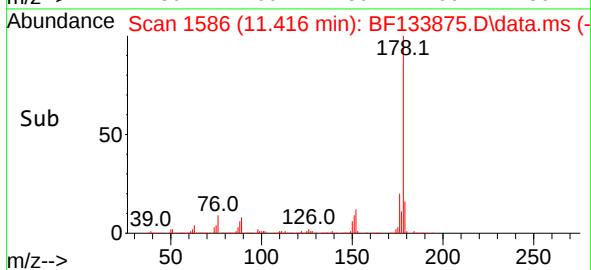
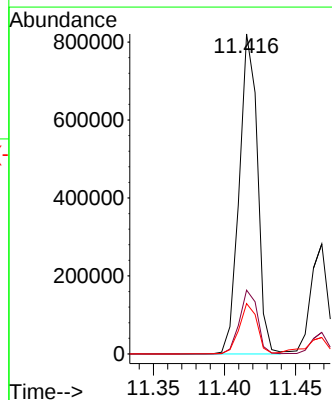
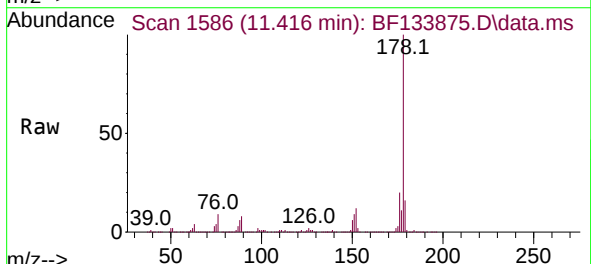
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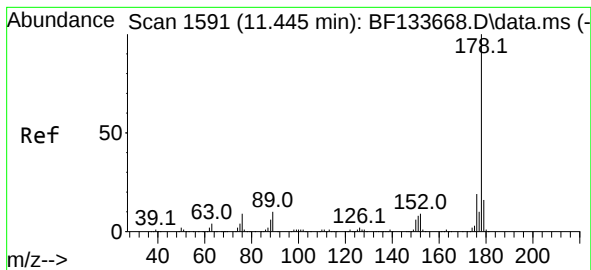
Tgt Ion:188 Resp: 252051
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.4 7.8 11.6



#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 :

COMPOSIT-TW-01

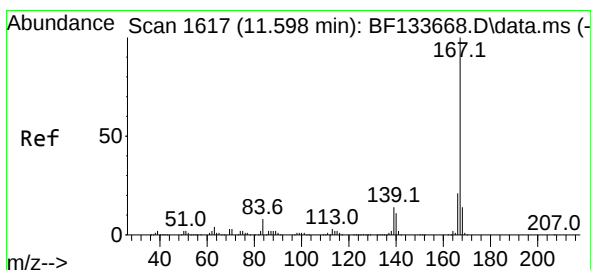
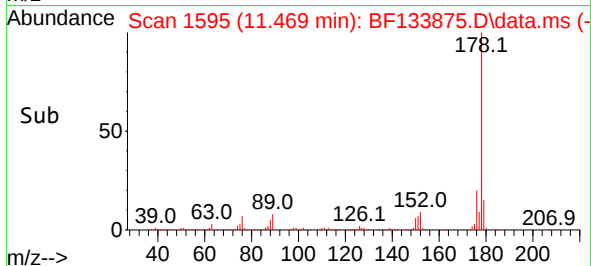
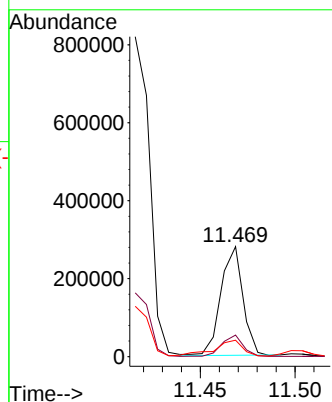
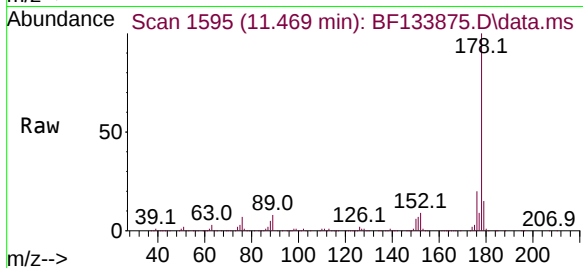
Tgt Ion:178 Resp: 227338

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

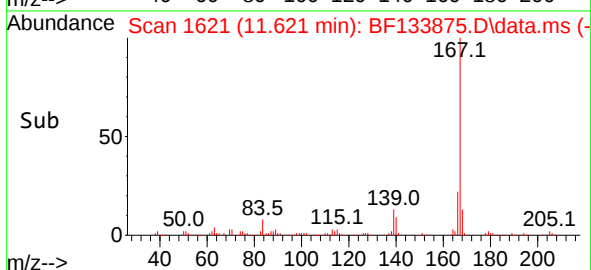
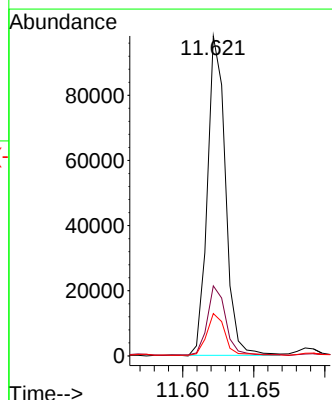
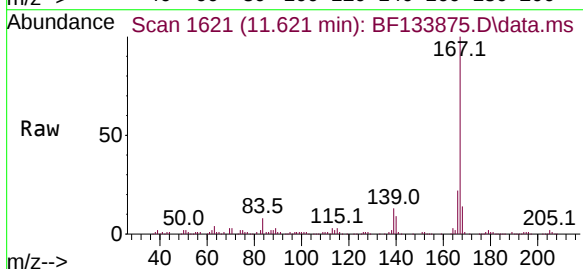
Tgt Ion:167 Resp: 86761

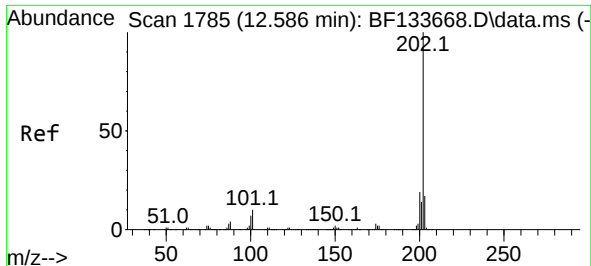
Ion Ratio Lower Upper

167 100

166 21.9 17.0 25.6

139 13.2 11.2 16.8

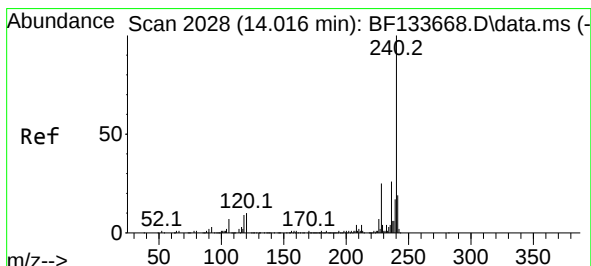
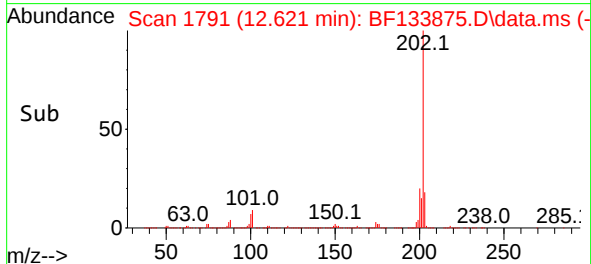
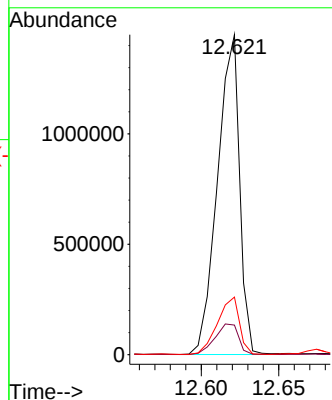
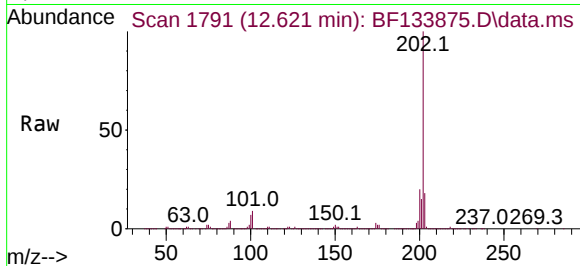




#75
Fluoranthene
Concen: 106.185 ng
RT: 12.621 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

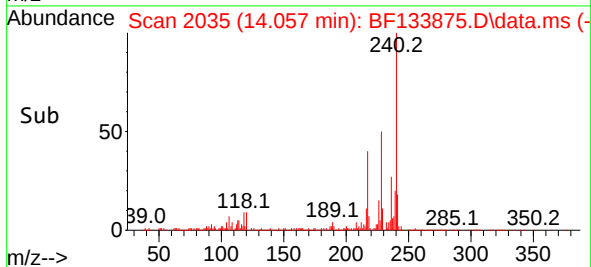
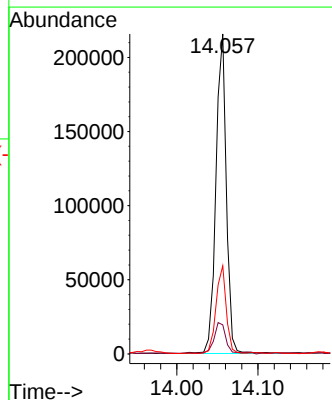
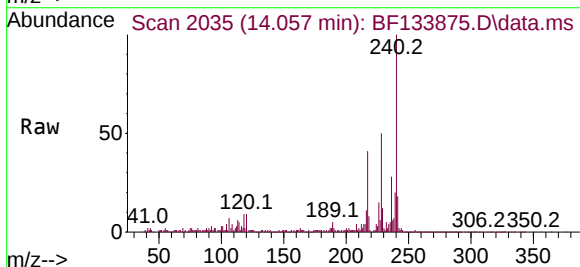
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

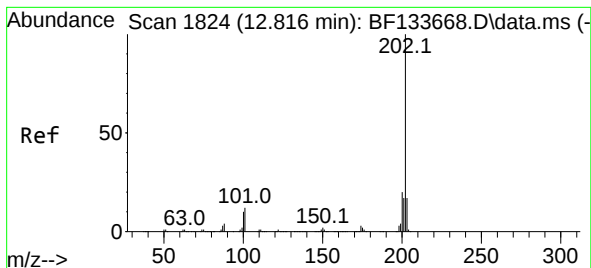
Tgt Ion:202 Resp: 1441966
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.6
203 18.0 0.0 37.4



#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 :

COMPOSIT-TW-01

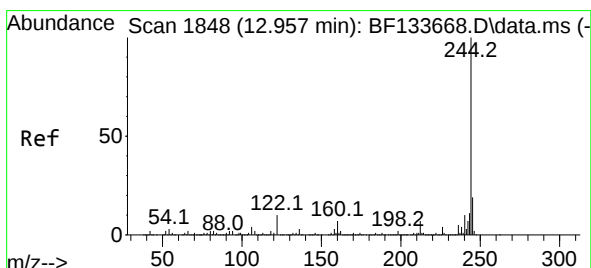
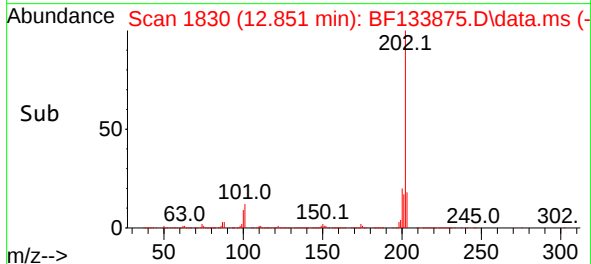
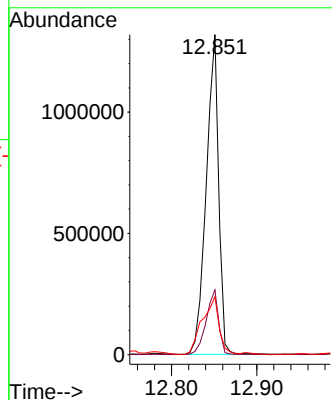
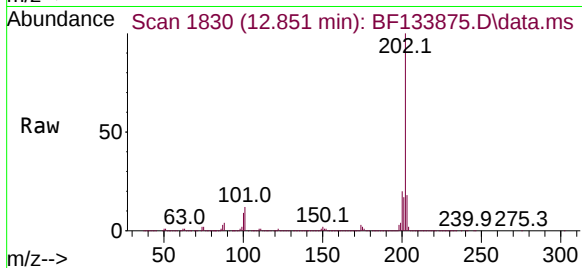
Tgt Ion:202 Resp: 1338749

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

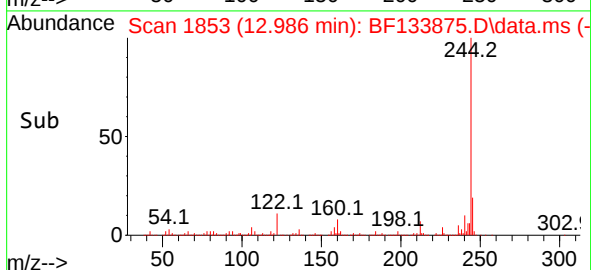
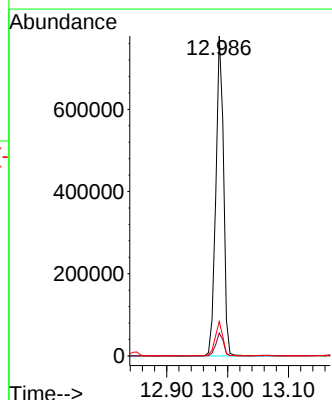
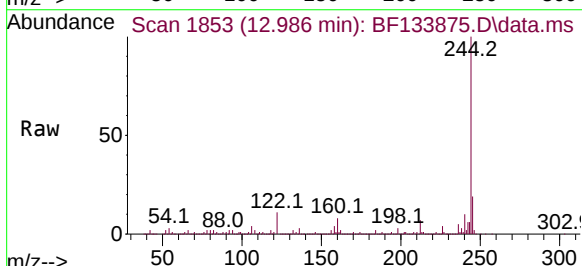
Tgt Ion:244 Resp: 685684

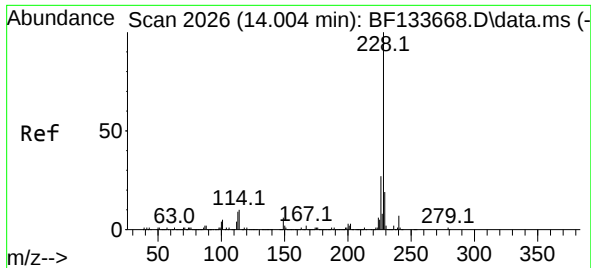
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.7 8.1 12.1

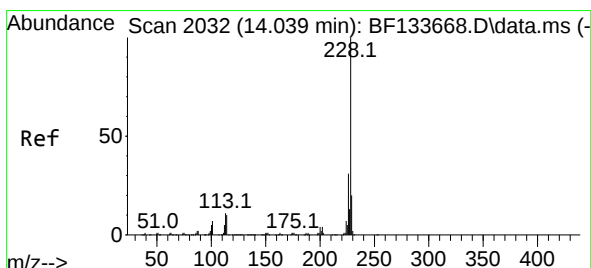
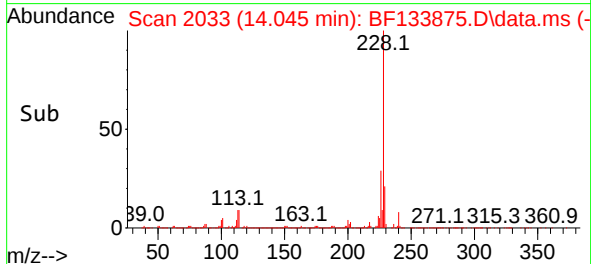
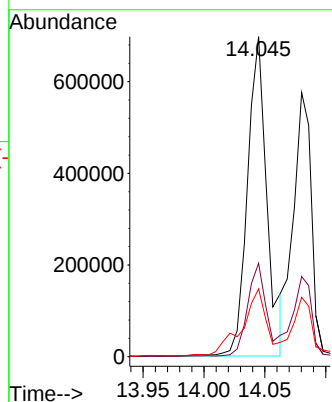
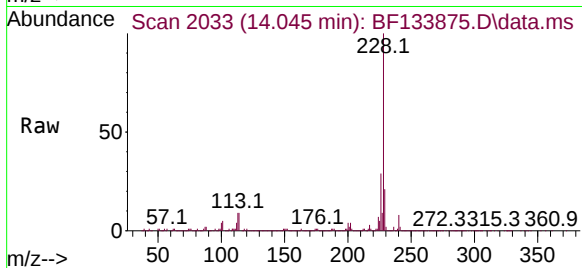




#81
Benzo(a)anthracene
Concen: 58.216 ng
RT: 14.045 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

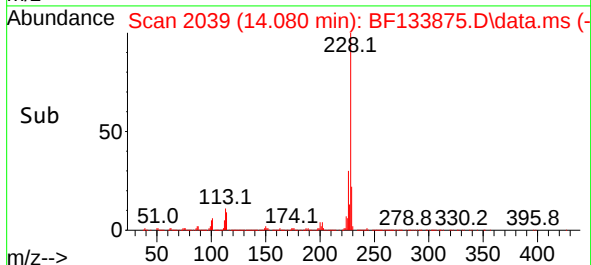
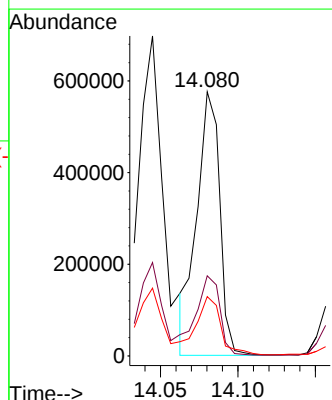
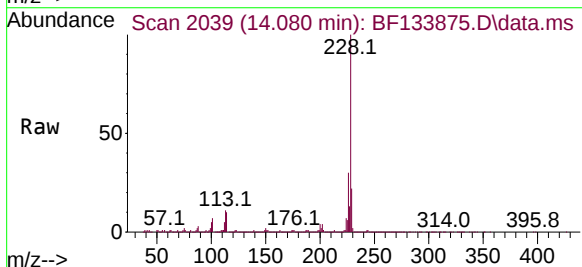
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

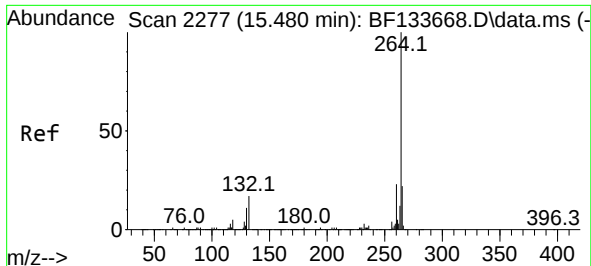
Tgt Ion:228 Resp: 778344
Ion Ratio Lower Upper
228 100
226 29.2 21.7 32.5
229 21.2 15.4 23.2



#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

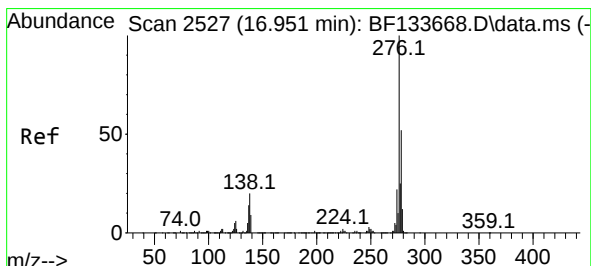
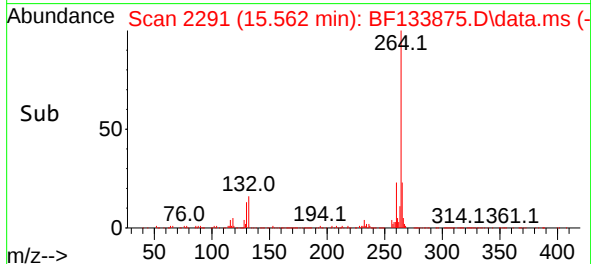
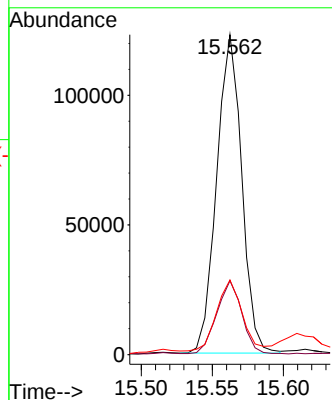
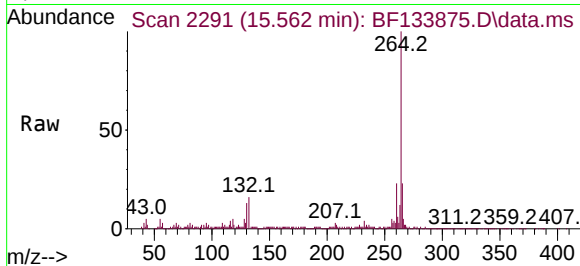




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF133875.D
Acq: 21 Jun 2023 17:25

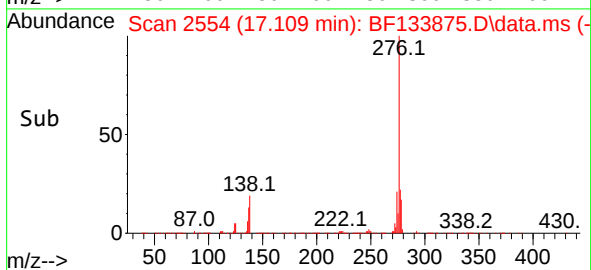
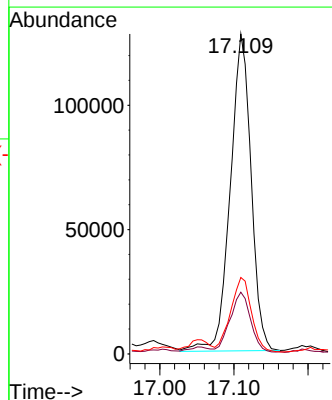
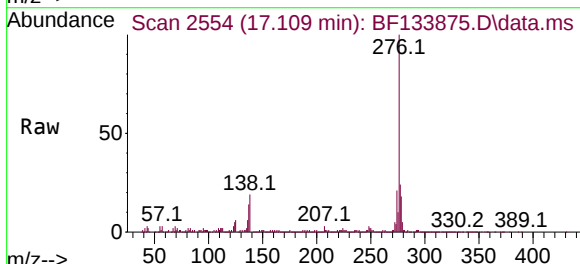
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01

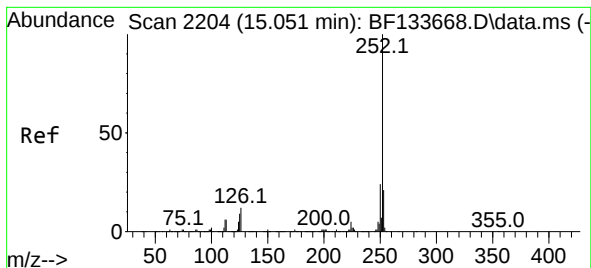
Tgt Ion:264 Resp: 151078
Ion Ratio Lower Upper
264 100
260 23.1 18.2 27.2
265 23.3 17.8 26.6



#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: 66.418 ng m

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 :

COMPOSIT-TW-01

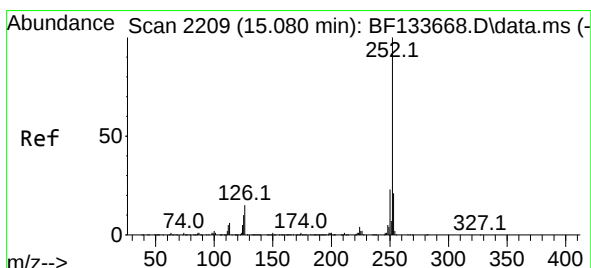
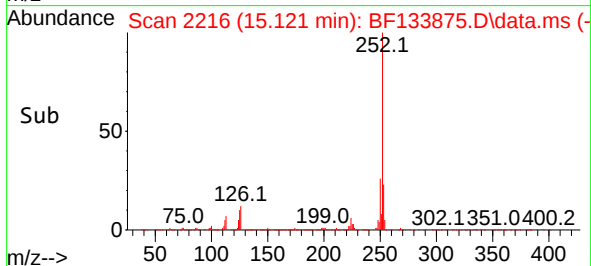
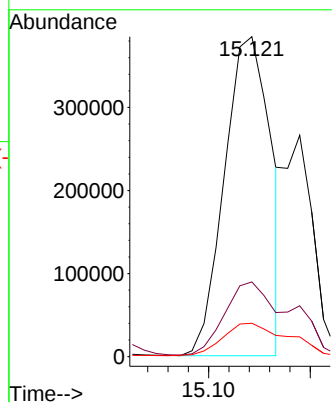
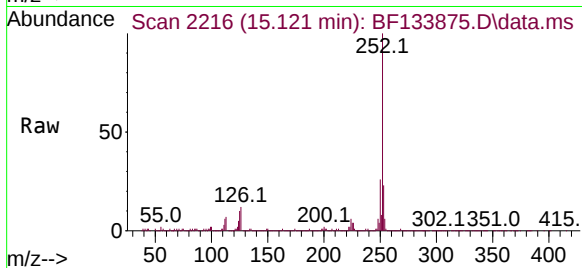
Tgt Ion:252 Resp: 609539

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: 19.278 ng m

RT: 15.145 min Scan# 2220

Delta R.T. 0.012 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

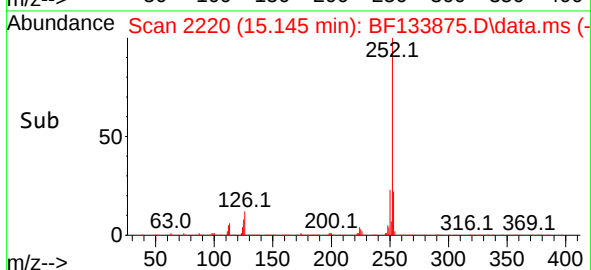
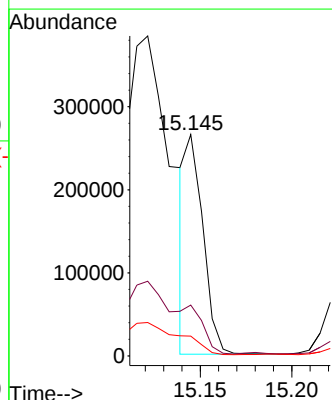
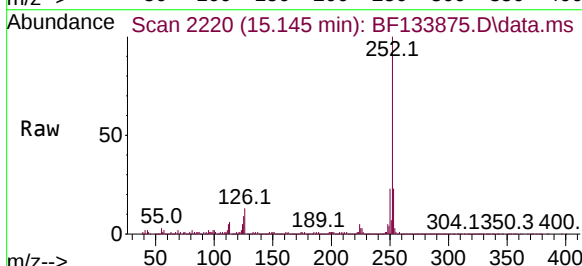
Tgt Ion:252 Resp: 172343

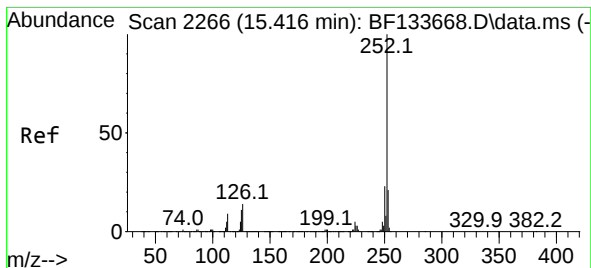
Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

125 9.0 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 :

COMPOSIT-TW-01

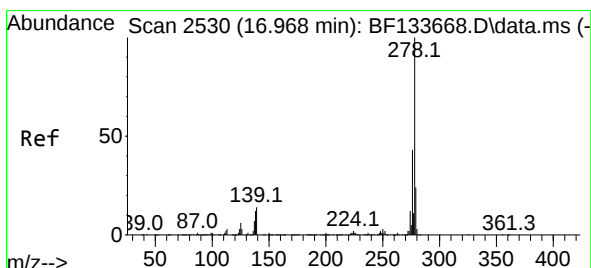
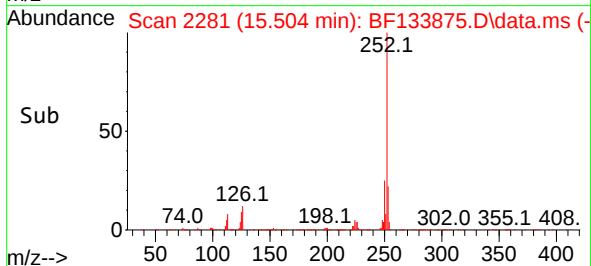
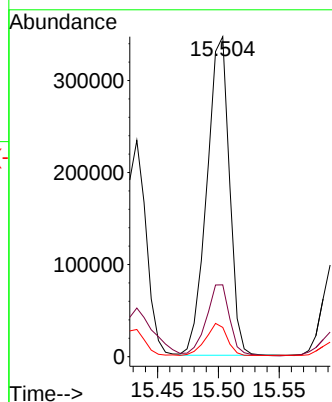
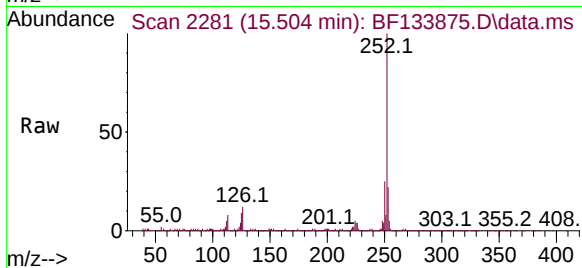
Tgt Ion:252 Resp: 446185

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: 6.995 ng m

RT: 17.121 min Scan# 2556

Delta R.T. 0.000 min

Lab File: BF133875.D

Acq: 21 Jun 2023 17:25

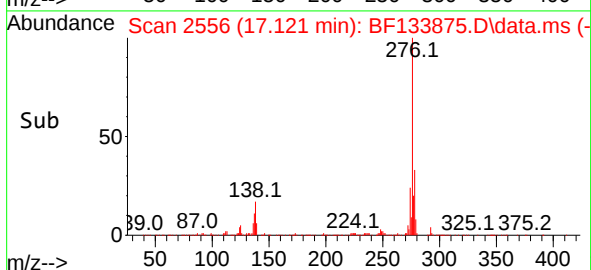
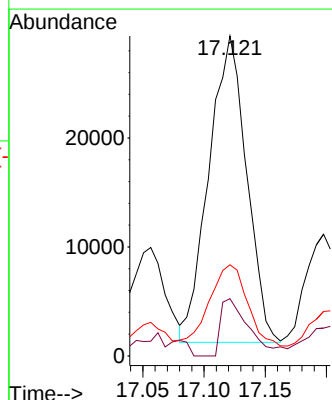
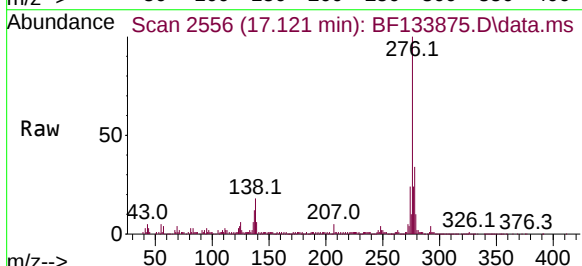
Tgt Ion:278 Resp: 60187

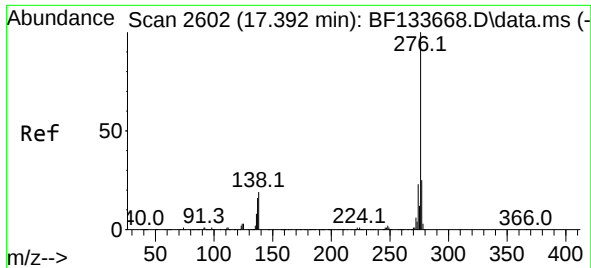
Ion Ratio Lower Upper

278 100

139 17.9 11.4 17.2#

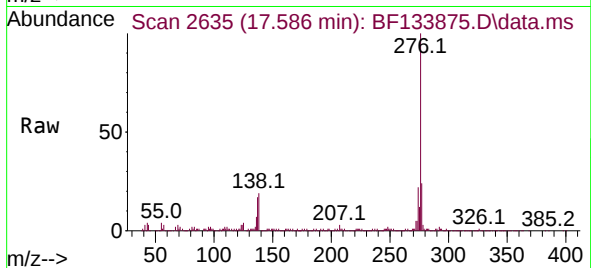
279 28.5 19.0 28.4#





#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 :
COMPOSIT-TW-01



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

