

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133814.D
 Acq On : 16 Jun 2023 19:09
 Operator : CG\JU
 Sample : 03223-19 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-03

Quant Time: Jun 17 00:10:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

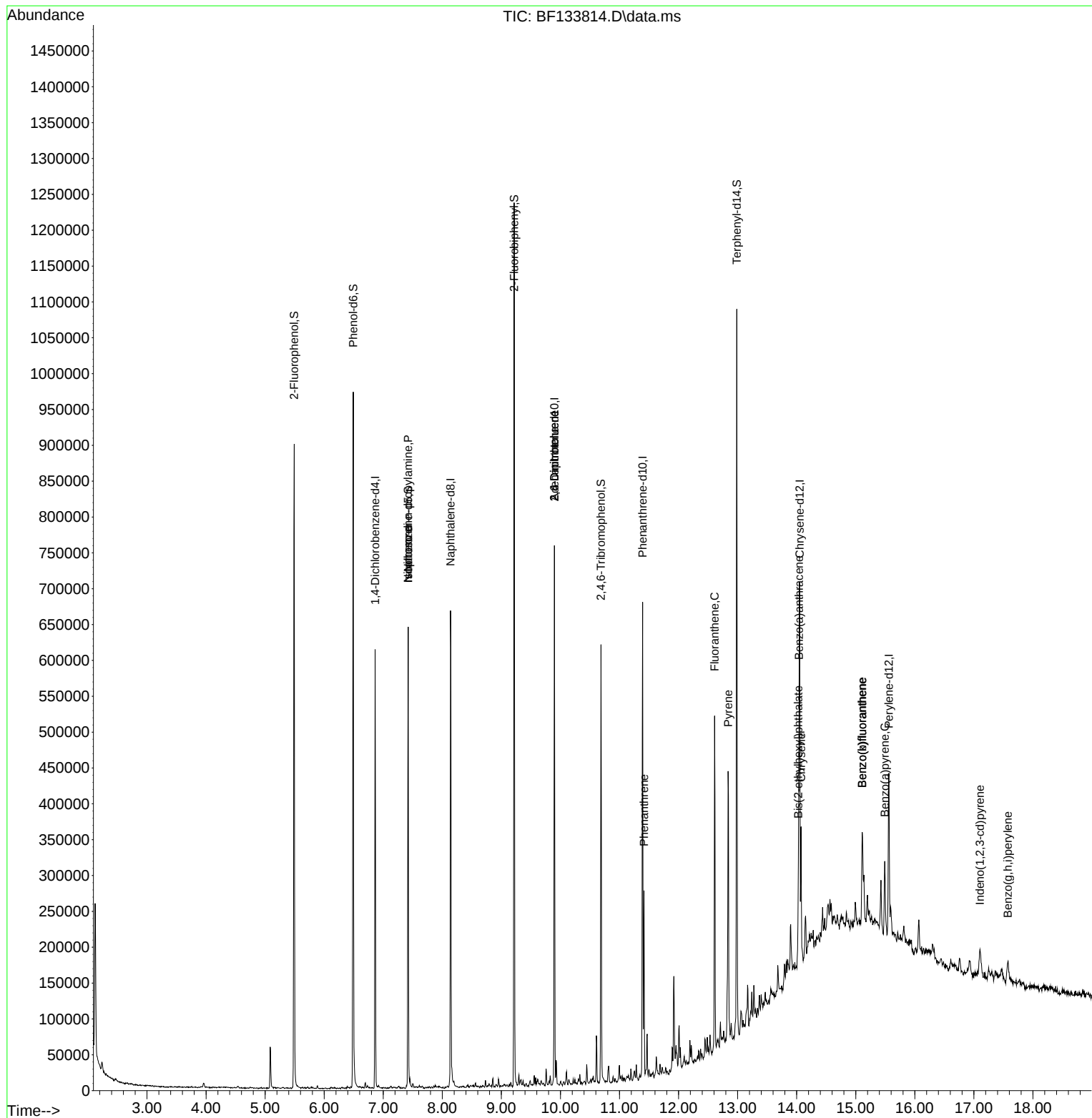
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	79288	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	288712	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	128479	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	228606	20.000	ng	0.00
76) Chrysene-d12	14.051	240	155524	20.000	ng	0.00
86) Perylene-d12	15.562	264	115350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	223572	49.089	ng	0.00
7) Phenol-d6	6.492	99	260707	43.977	ng	0.00
23) Nitrobenzene-d5	7.422	82	163495	30.844	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	63612	39.114	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	324703	35.926	ng	0.00
79) Terphenyl-d14	12.986	244	318675	31.706	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	23145	6.136	ng	# 79
25) Isophorone	7.422	82	163495	16.801	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	16765	8.470	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	16765	6.659	ng	# 19
71) Phenanthrene	11.416	178	85827	7.400	ng	98
75) Fluoranthene	12.610	202	179277	14.556	ng	98
78) Pyrene	12.839	202	164818	11.376	ng	98
81) Benzo(a)anthracene	14.039	228	77730	7.226	ng	99
83) Chrysene	14.074	228	66385	6.524	ng	94
84) Bis(2-ethylhexyl)phtha...	14.027	149	26594	3.531	ng	99
87) Indeno(1,2,3-cd)pyrene	17.103	276	29058	3.662	ng	98
88) Benzo(b)fluoranthene	15.109	252	95984	13.698	ng	# 95
89) Benzo(k)fluoranthene	15.109	252	95984	14.062	ng	# 96
90) Benzo(a)pyrene	15.492	252	48735	7.494	ng	94
92) Benzo(g,h,i)perylene	17.574	276	30214	4.638	ng	93

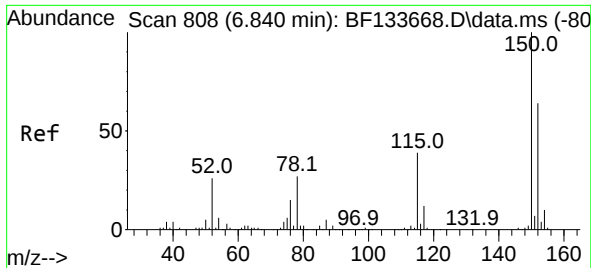
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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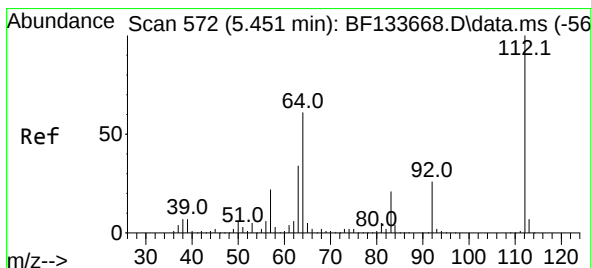
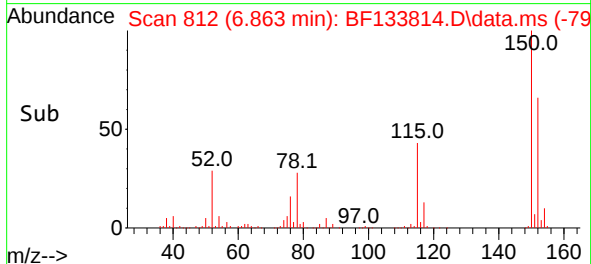
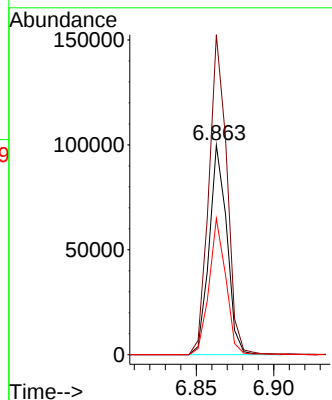
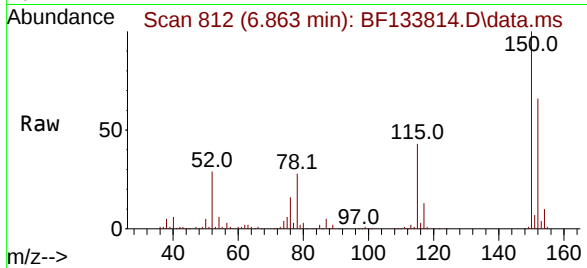




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

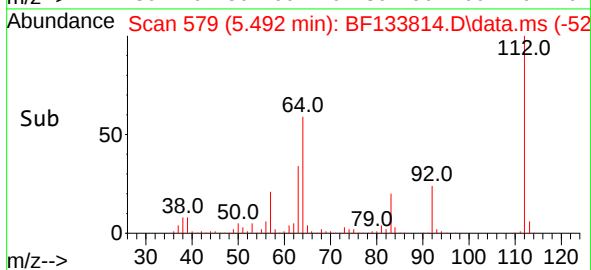
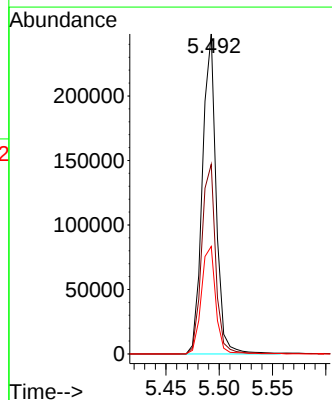
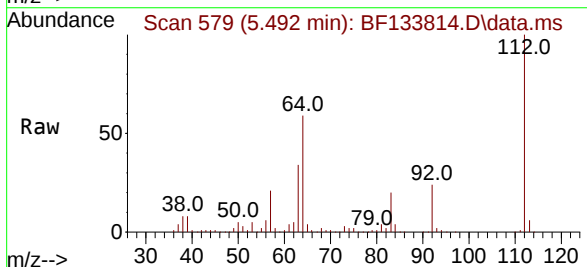
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03

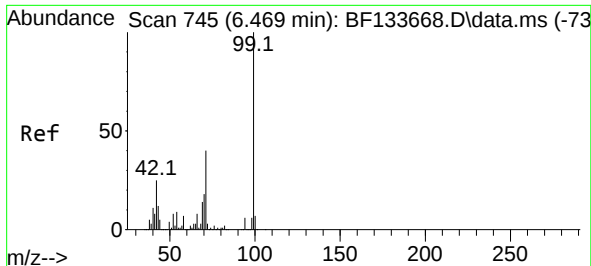
Tgt Ion:152 Resp: 79288
Ion Ratio Lower Upper
152 100
150 152.6 124.3 186.5
115 65.0 48.5 72.7



#5
2-Fluorophenol
Concen: 49.089 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

Tgt Ion:112 Resp: 223572
Ion Ratio Lower Upper
112 100
64 59.2 49.0 73.4
63 33.6 26.8 40.2

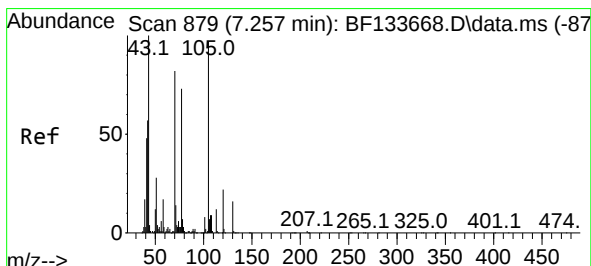
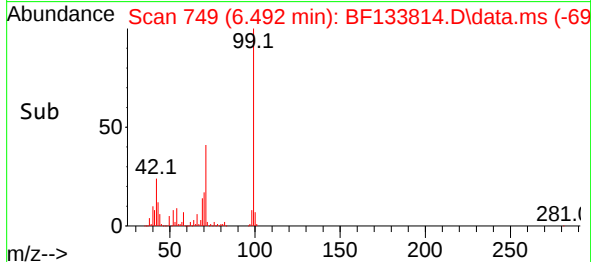
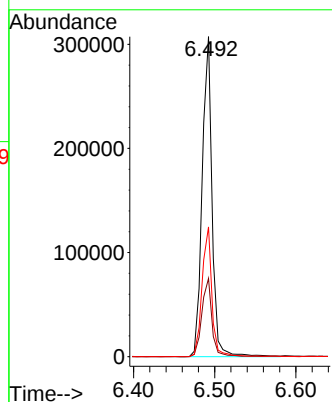
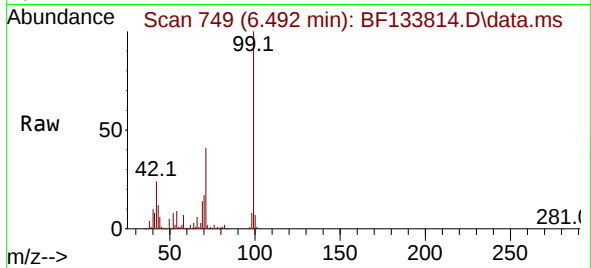




#7
Phenol-d6
Concen: 43.977 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

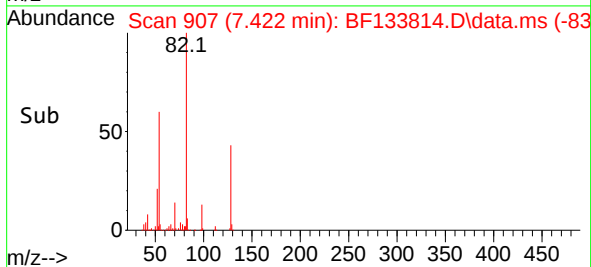
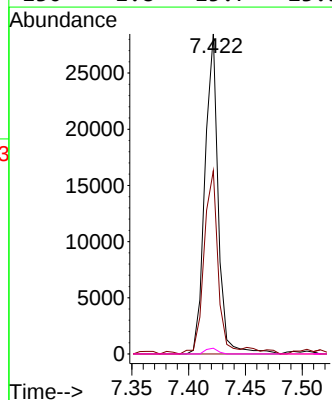
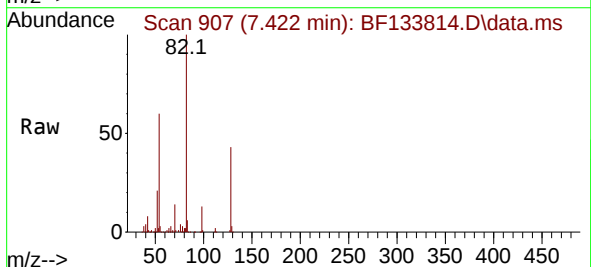
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03

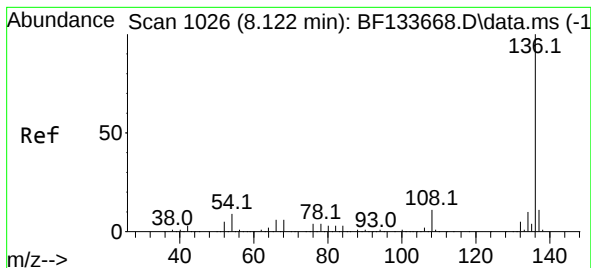
Tgt Ion: 99 Resp: 260707
Ion Ratio Lower Upper
99 100
42 24.5 19.9 29.9
71 40.6 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.136 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

Tgt Ion: 70 Resp: 23145
Ion Ratio Lower Upper
70 100
42 57.3 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. -0.006 min

Lab File: BF133814.D

Acq: 16 Jun 2023 19:09

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-03

Tgt Ion:136 Resp: 288712

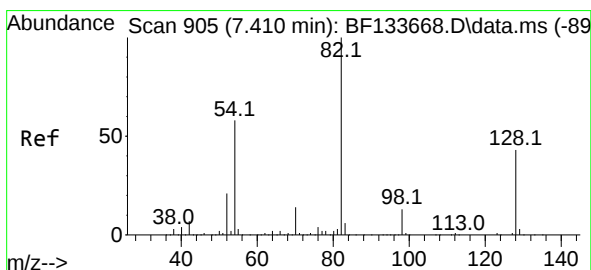
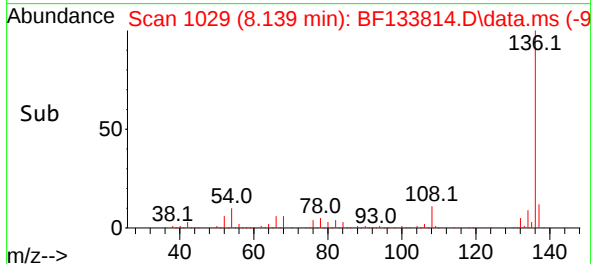
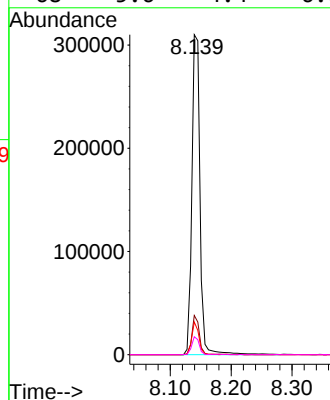
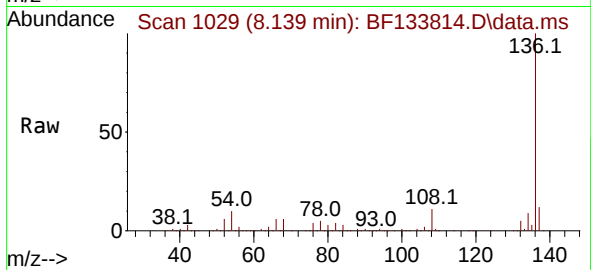
Ion Ratio Lower Upper

136 100

137 12.2 8.8 13.2

54 10.2 7.4 11.0

68 5.6 4.4 6.6



#23

Nitrobenzene-d5

Concen: 30.844 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF133814.D

Acq: 16 Jun 2023 19:09

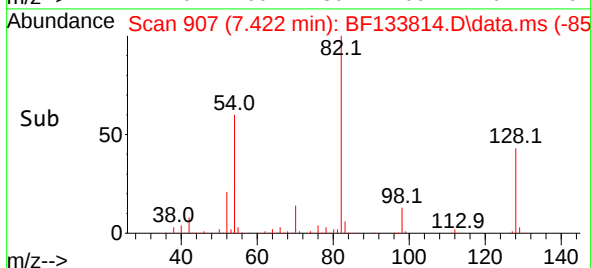
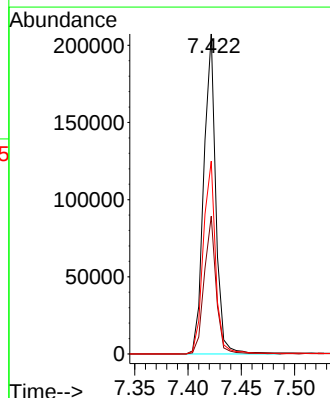
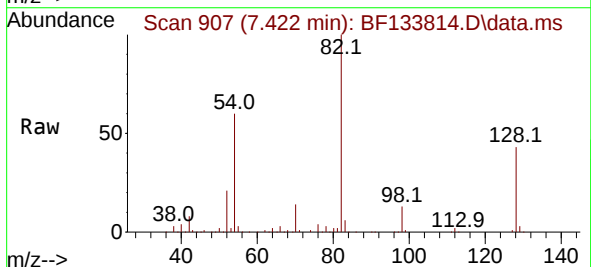
Tgt Ion: 82 Resp: 163495

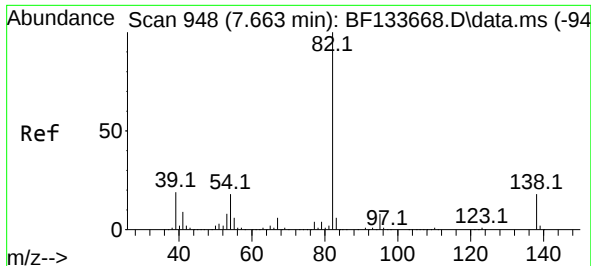
Ion Ratio Lower Upper

82 100

128 43.1 34.2 51.2

54 60.3 46.5 69.7

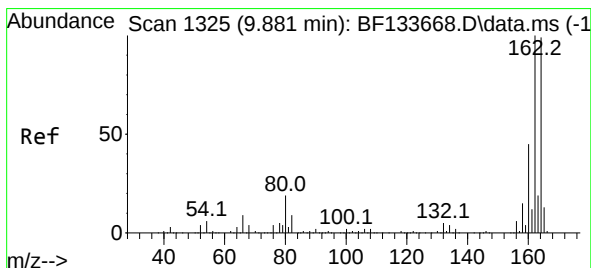
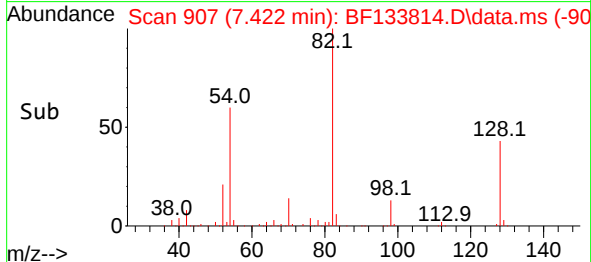
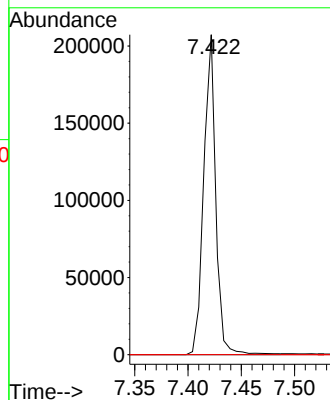
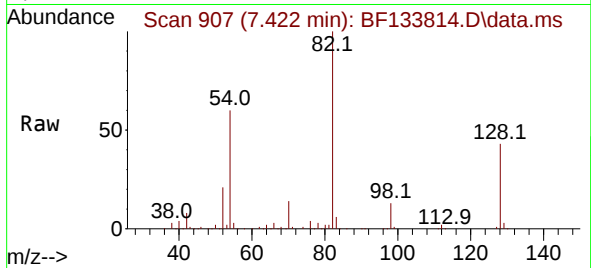




#25
Isophorone
Concen: 16.801 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

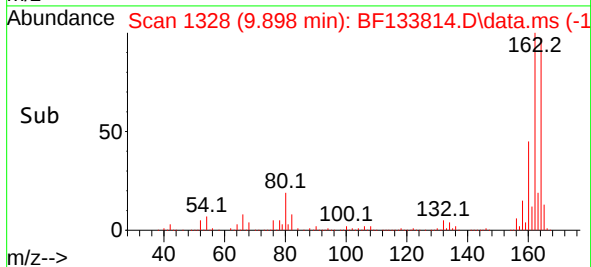
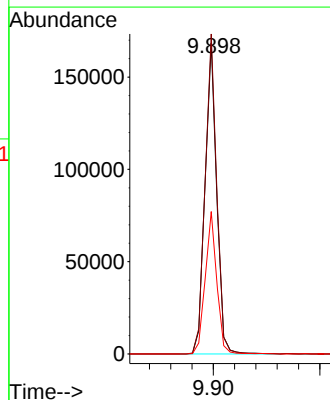
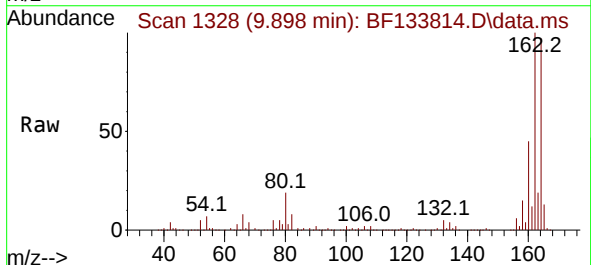
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03

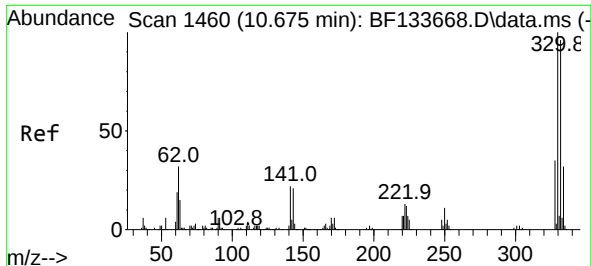
Tgt Ion: 82 Resp: 163495
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

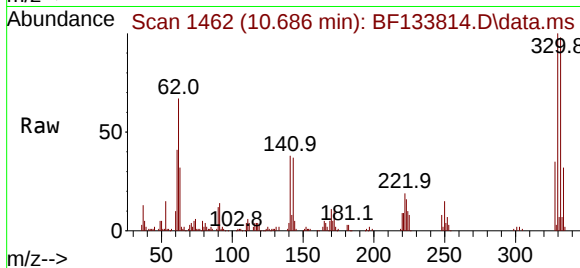
Tgt Ion:164 Resp: 128479
Ion Ratio Lower Upper
164 100
162 102.9 80.8 121.2
160 45.8 36.7 55.1



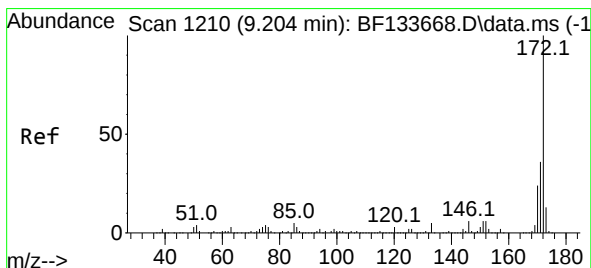
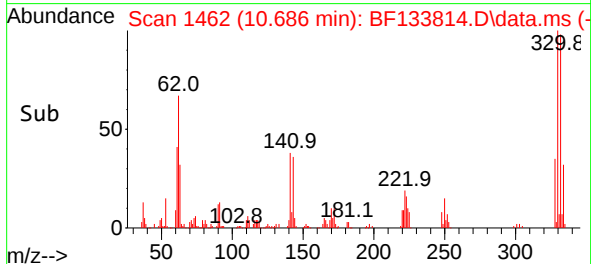
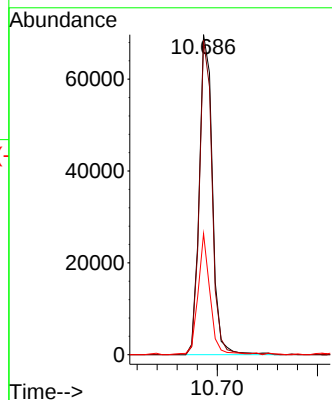


#42
2,4,6-Tribromophenol
Concen: 39.114 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03

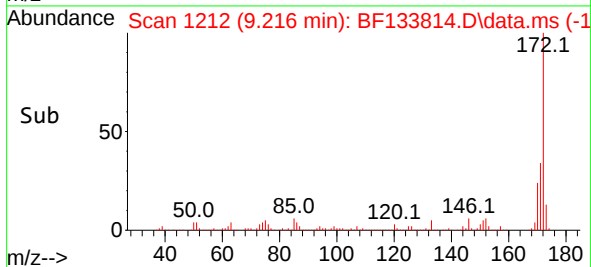
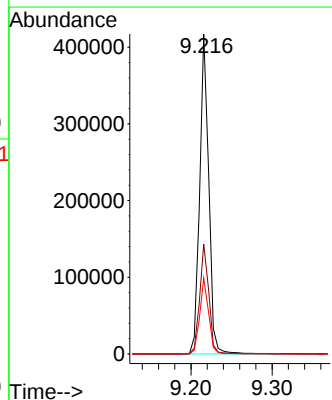
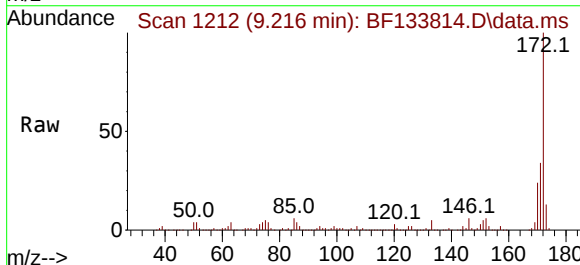


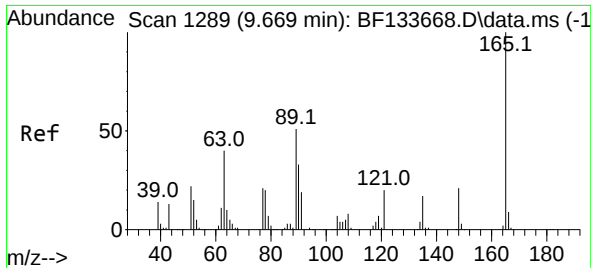
Tgt Ion:330 Resp: 63612
Ion Ratio Lower Upper
330 100
332 95.7 77.2 115.8
141 34.4 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 35.926 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

Tgt Ion:172 Resp: 324703
Ion Ratio Lower Upper
172 100
171 34.3 28.6 43.0
170 23.7 19.1 28.7

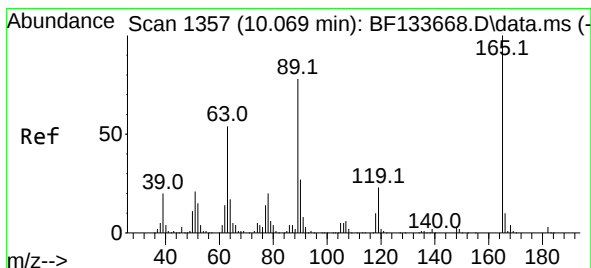
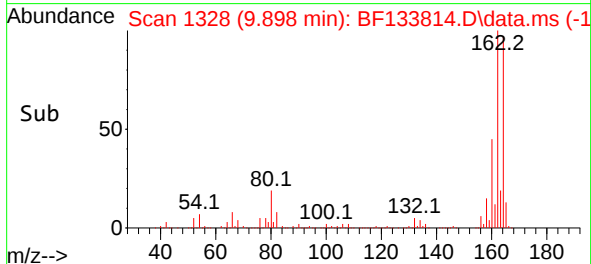
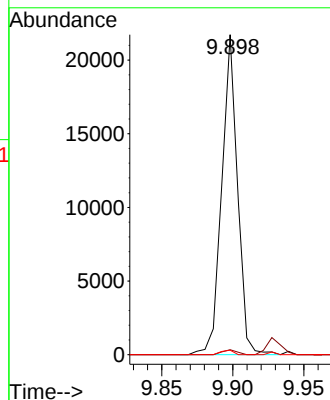
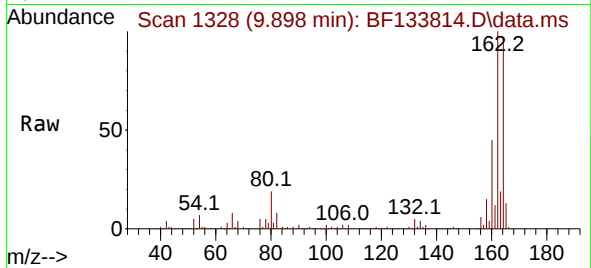




#51
2,6-Dinitrotoluene
Concen: 8.470 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

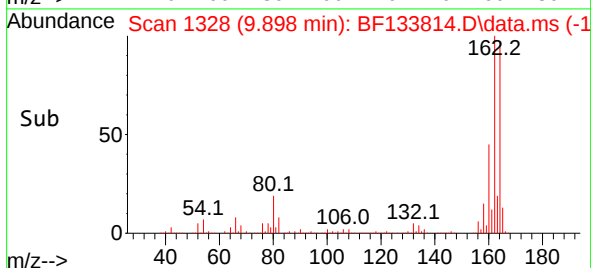
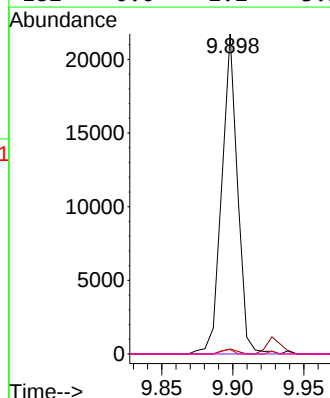
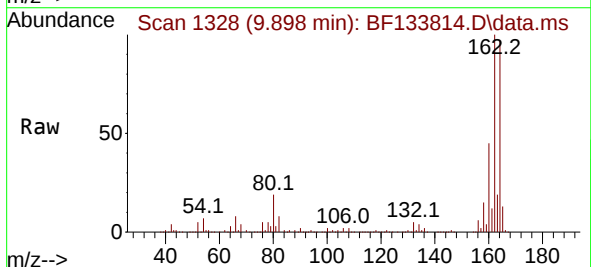
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03

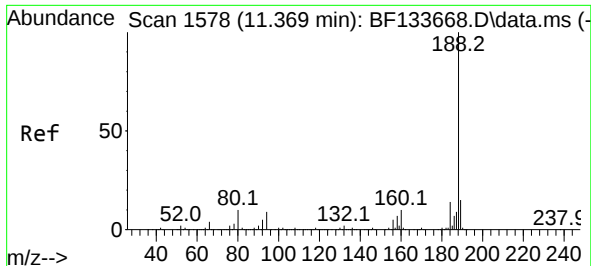
Tgt Ion:165 Resp: 16765
Ion Ratio Lower Upper
165 100
63 1.5 42.1 63.1#
89 1.4 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.659 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

Tgt Ion:165 Resp: 16765
Ion Ratio Lower Upper
165 100
63 1.5 43.0 64.6#
89 1.4 62.6 93.8#
182 0.0 2.2 3.2#

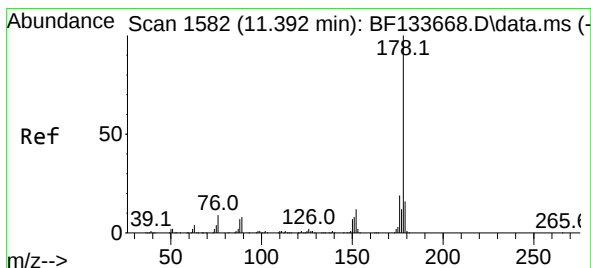
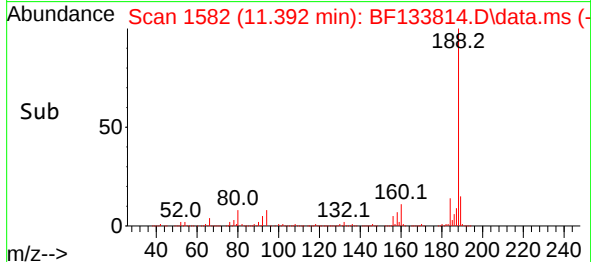
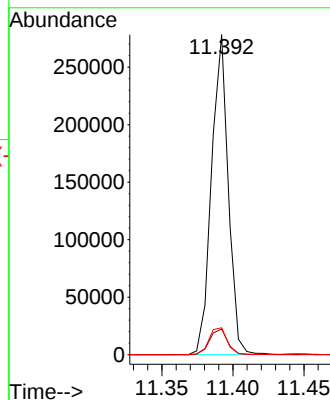
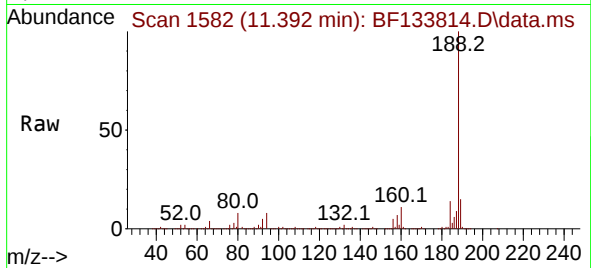




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

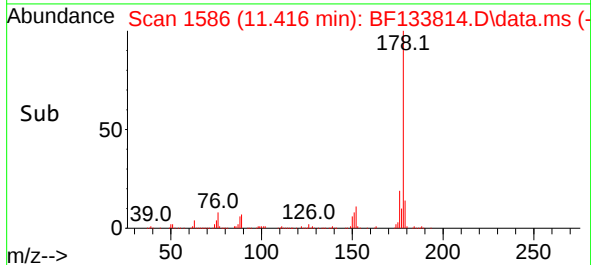
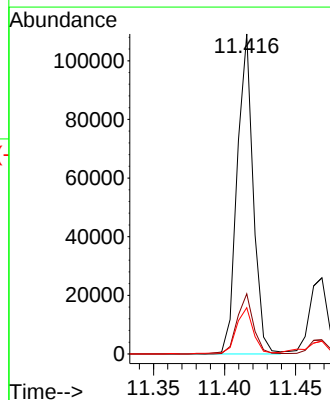
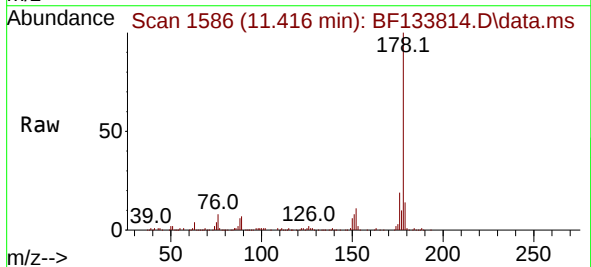
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03

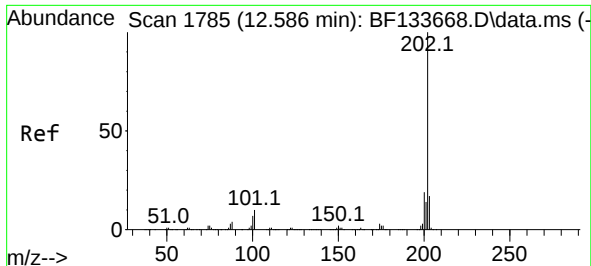
Tgt Ion:188 Resp: 228606
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.4 7.8 11.6



#71
Phenanthrene
Concen: 7.400 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

Tgt Ion:178 Resp: 85827
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 14.5 12.4 18.6

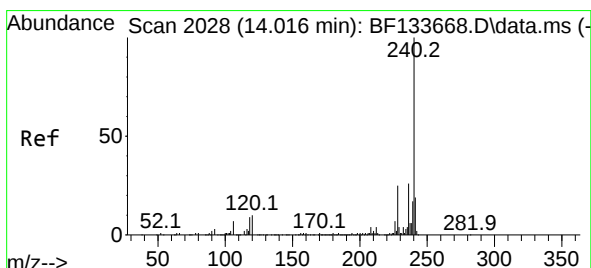
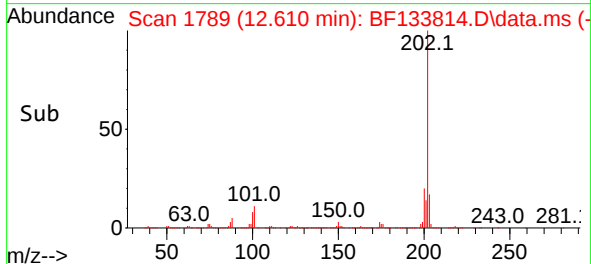
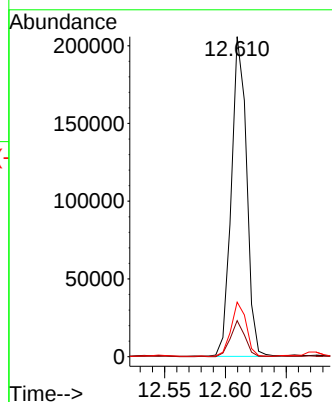
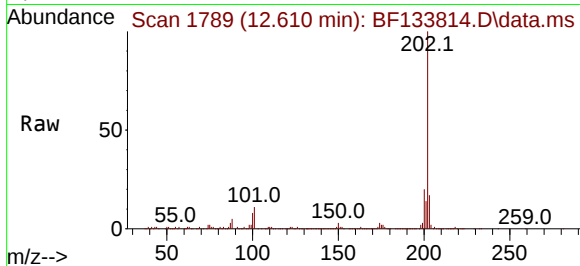




#75
Fluoranthene
Concen: 14.556 ng
RT: 12.610 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

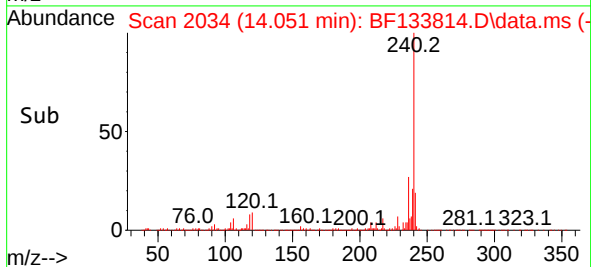
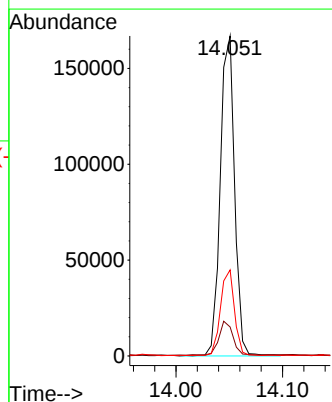
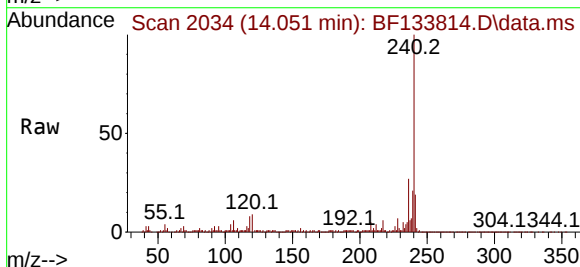
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03

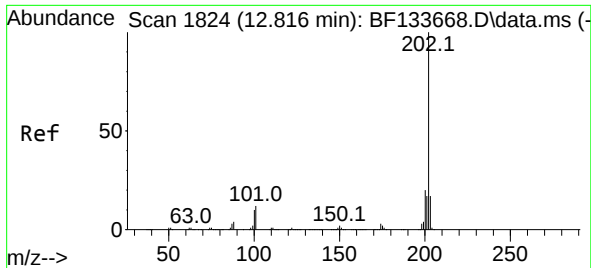
Tgt Ion:202 Resp: 179277
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.6
203 17.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

Tgt Ion:240 Resp: 155524
Ion Ratio Lower Upper
240 100
120 9.1 8.1 12.1
236 26.9 20.5 30.7

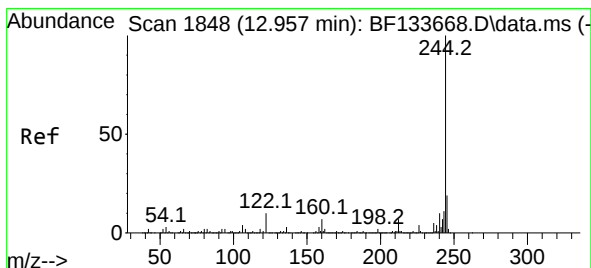
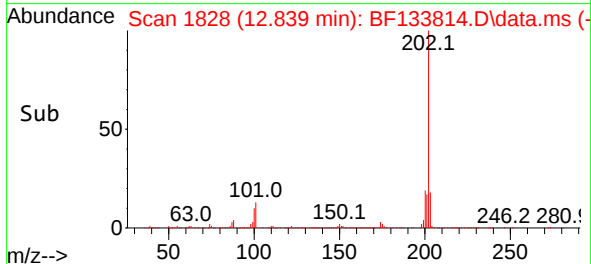
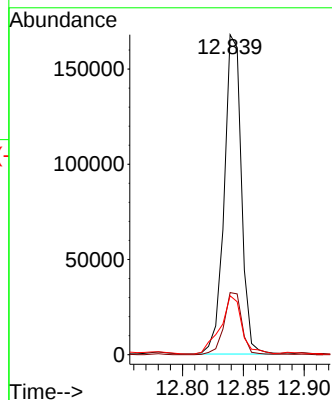
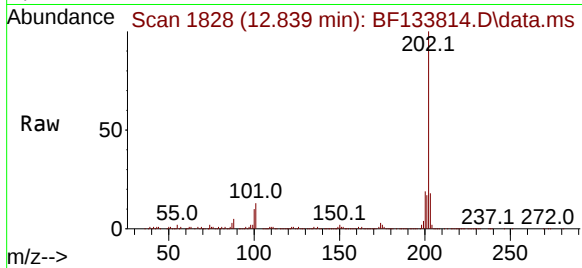




#78
Pyrene
Concen: 11.376 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

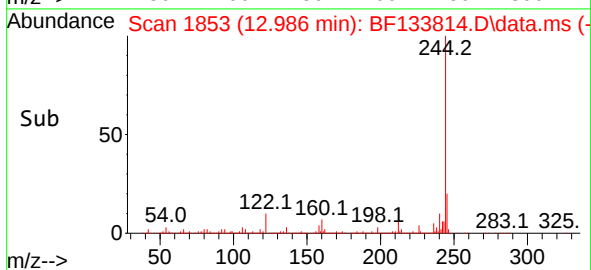
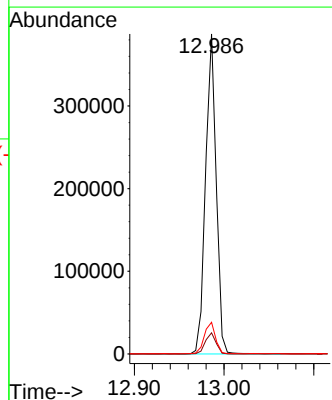
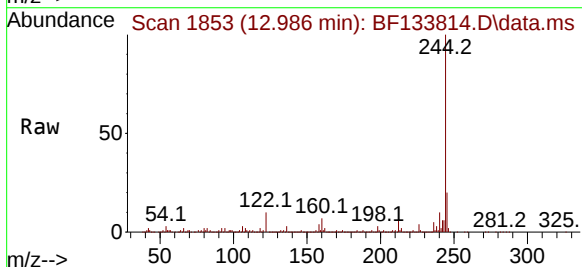
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03

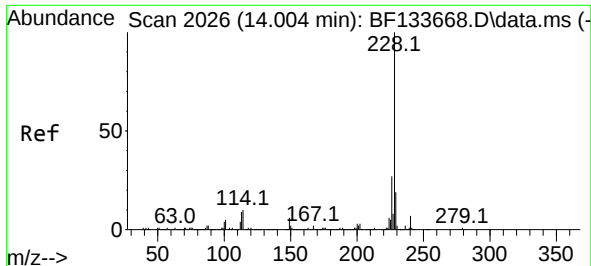
Tgt Ion:202 Resp: 164818
Ion Ratio Lower Upper
202 100
200 19.4 16.2 24.2
203 18.4 13.9 20.9



#79
Terphenyl-d14
Concen: 31.706 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

Tgt Ion:244 Resp: 318675
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 9.9 8.1 12.1

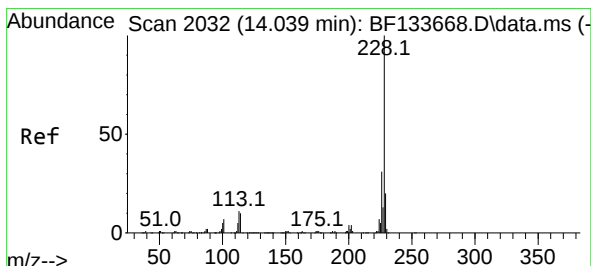
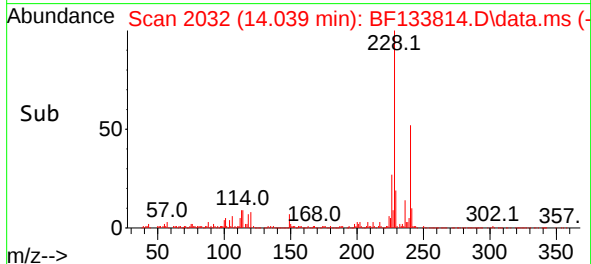
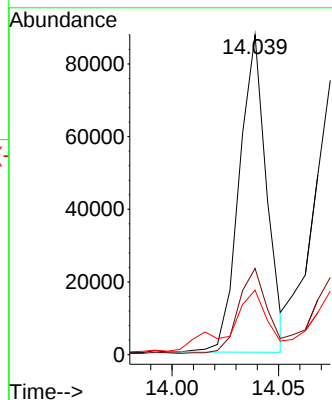
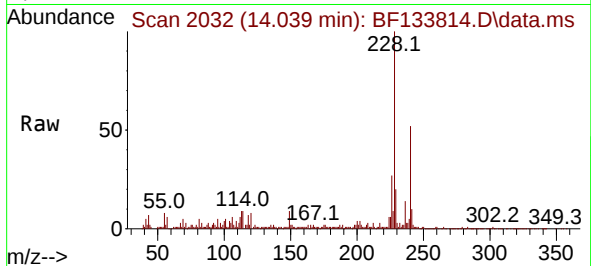




#81
Benzo(a)anthracene
Concen: 7.226 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

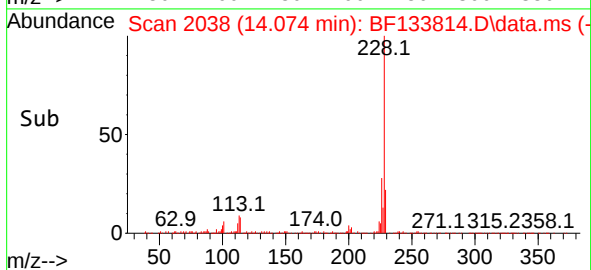
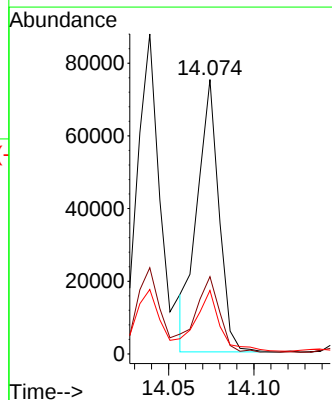
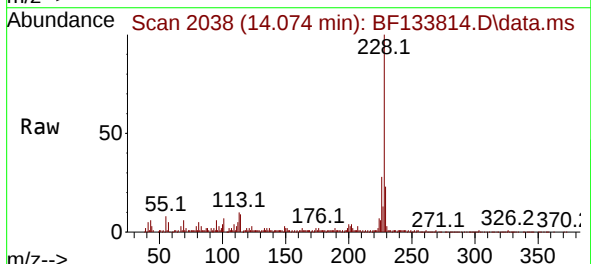
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-03

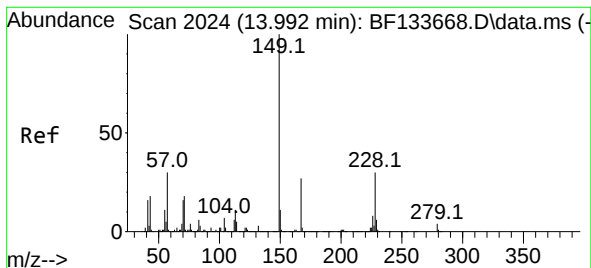
Tgt Ion:228 Resp: 77730
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 20.1 15.4 23.2



#83
Chrysene
Concen: 6.524 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133814.D
Acq: 16 Jun 2023 19:09

Tgt Ion:228 Resp: 66385
Ion Ratio Lower Upper
228 100
226 28.2 25.0 37.6
229 23.2 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.531 ng

RT: 14.027 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF133814.D

Acq: 16 Jun 2023 19:09

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-03

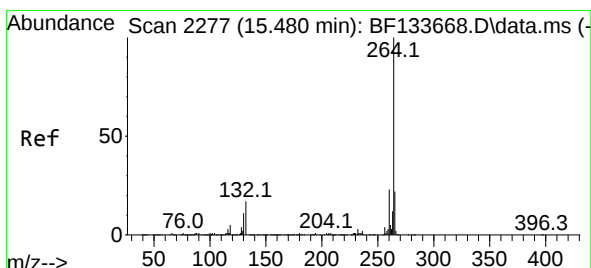
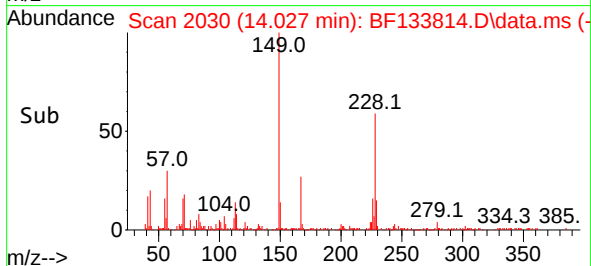
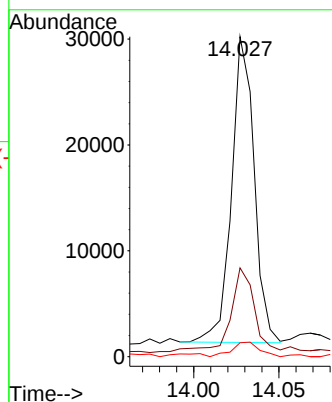
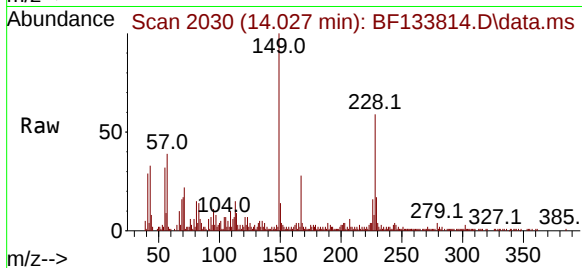
Tgt Ion:149 Resp: 26594

Ion Ratio Lower Upper

149 100

167 27.7 21.8 32.8

279 4.4 3.3 4.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2291

Delta R.T. -0.000 min

Lab File: BF133814.D

Acq: 16 Jun 2023 19:09

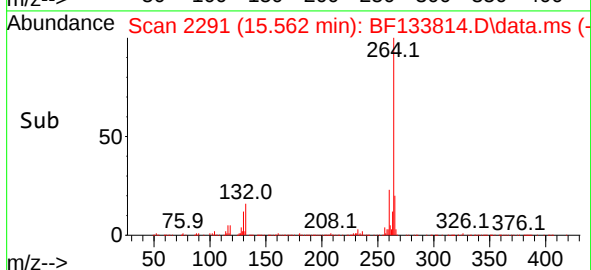
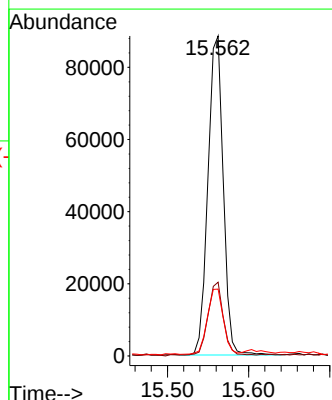
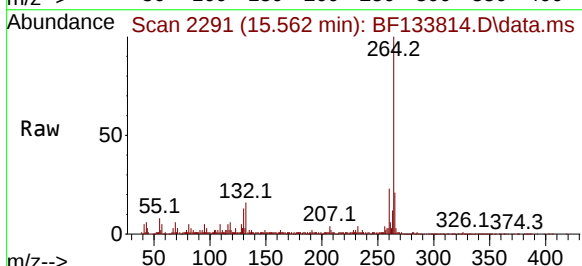
Tgt Ion:264 Resp: 115350

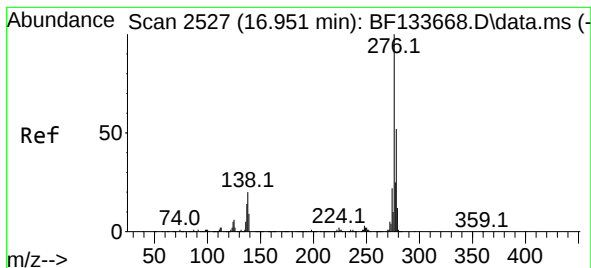
Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.2

265 20.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.662 ng

RT: 17.103 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133814.D

Acq: 16 Jun 2023 19:09

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-03

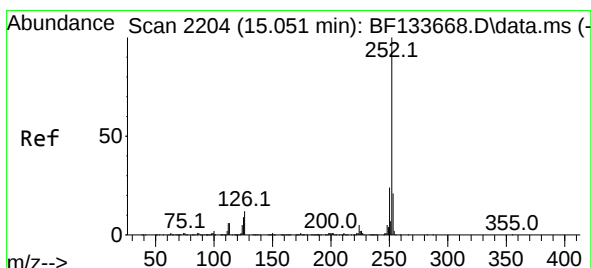
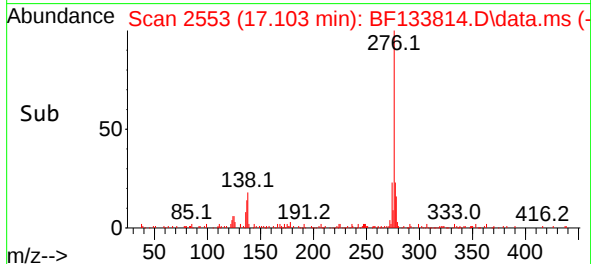
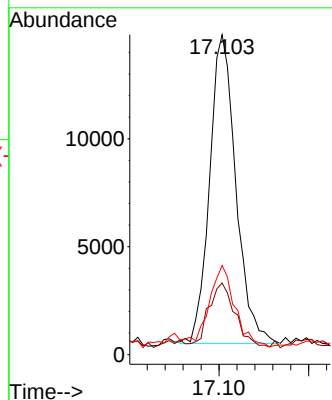
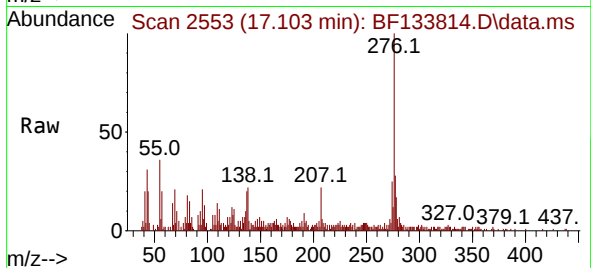
Tgt Ion:276 Resp: 29058

Ion Ratio Lower Upper

276 100

138 20.7 17.9 26.9

277 26.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 13.698 ng

RT: 15.109 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF133814.D

Acq: 16 Jun 2023 19:09

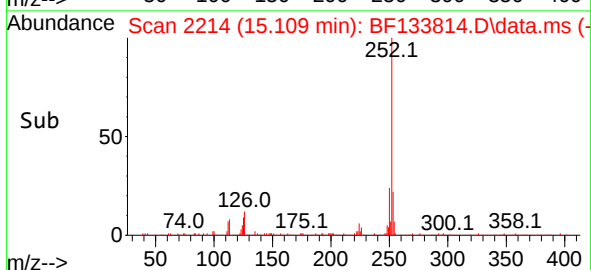
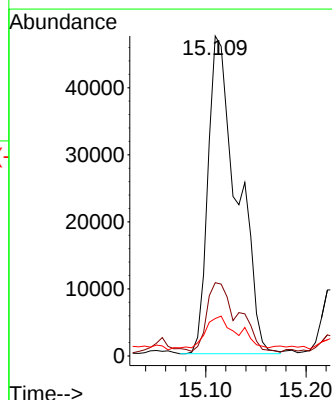
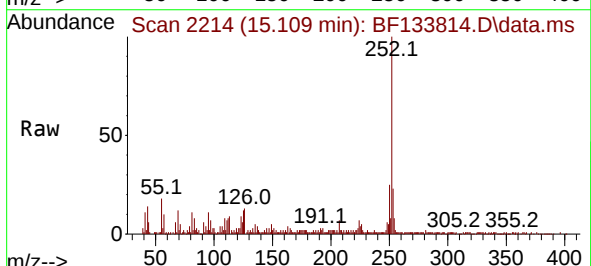
Tgt Ion:252 Resp: 95984

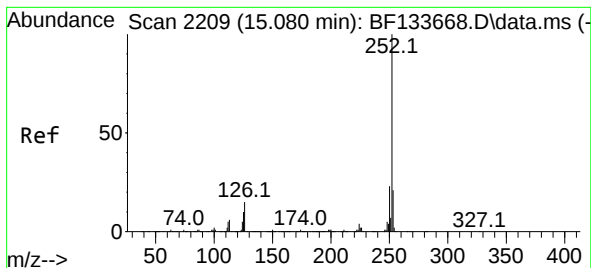
Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

125 11.7 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 14.062 ng

RT: 15.109 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF133814.D

Acq: 16 Jun 2023 19:09

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-03

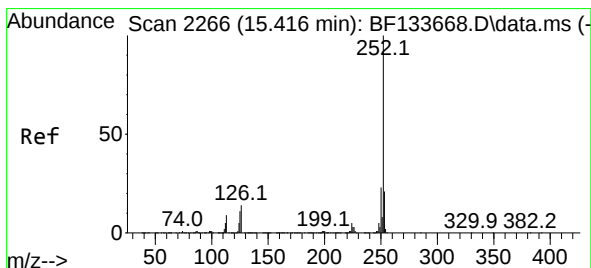
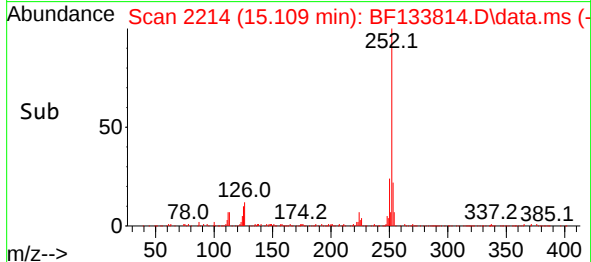
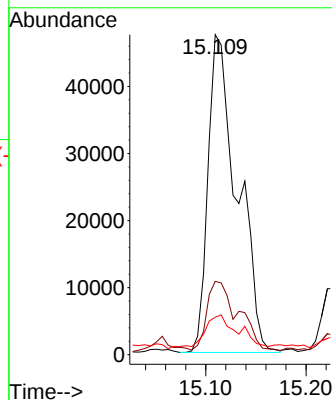
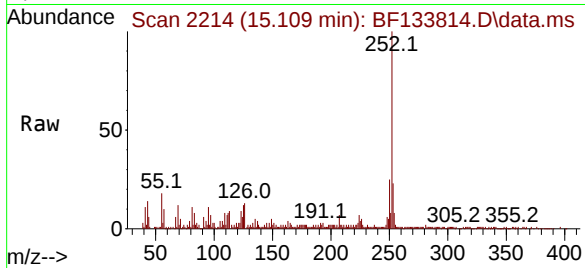
Tgt Ion:252 Resp: 95984

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 11.7 7.8 11.6#



#90

Benzo(a)pyrene

Concen: 7.494 ng

RT: 15.492 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF133814.D

Acq: 16 Jun 2023 19:09

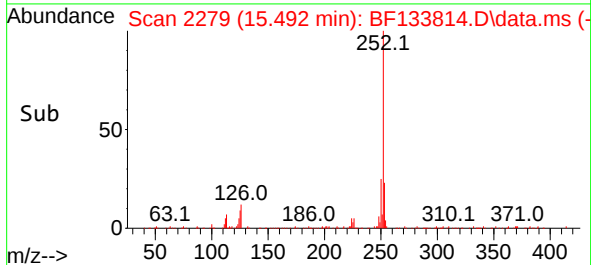
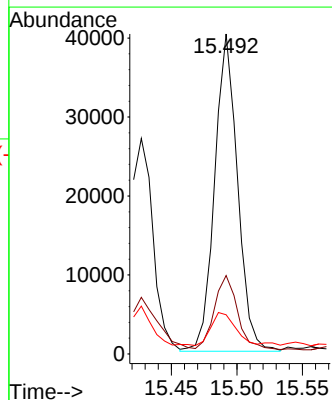
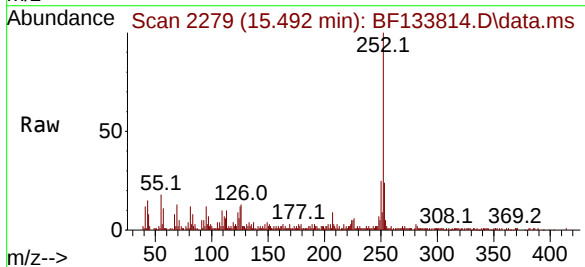
Tgt Ion:252 Resp: 48735

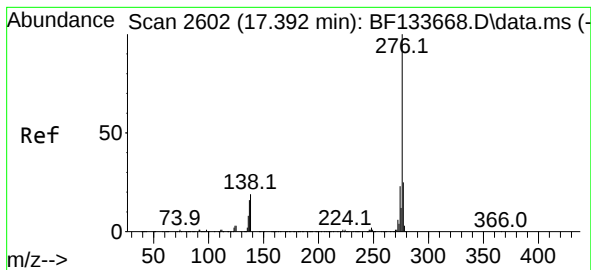
Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

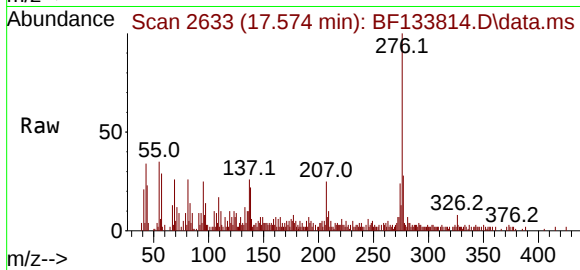
125 12.3 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.638 ng
 RT: 17.574 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF133814.D
 Acq: 16 Jun 2023 19:09

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-03



Tgt Ion:	276	Resp:	30214
Ion	Ratio	Lower	Upper
276	100		
277	28.3	19.8	29.8
138	21.5	15.0	22.4

