

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133812.D
 Acq On : 16 Jun 2023 18:03
 Operator : CG\JU
 Sample : 03223-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04

Quant Time: Jun 16 18:46:22 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)

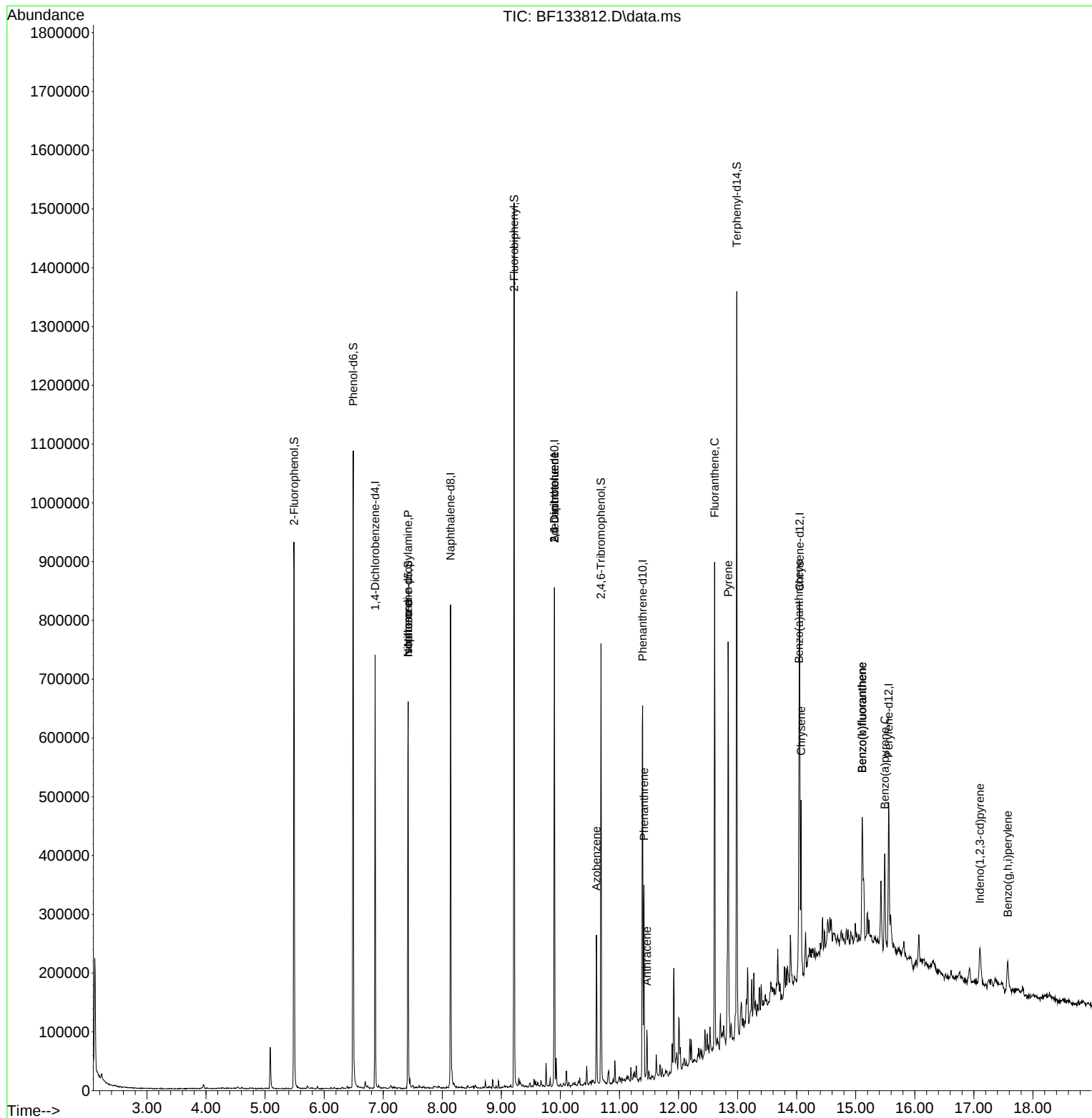
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	92831	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	335262	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	151311	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	243590	20.000	ng	0.00
76) Chrysene-d12	14.051	240	168297	20.000	ng	0.00
86) Perylene-d12	15.557	264	120999	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	245217	45.987	ng	0.00
7) Phenol-d6	6.493	99	317418	45.731	ng	0.00
23) Nitrobenzene-d5	7.422	82	186889	30.362	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	80498	42.028	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	404873	38.036	ng	0.00
79) Terphenyl-d14	12.986	244	394058	36.230	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	26731	6.053	ng	# 78
25) Isophorone	7.422	82	186889	16.538	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	20067	8.608	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	20067	6.768	ng	# 20
63) Azobenzene	10.610	77	41706	3.833	ng	# 1
71) Phenanthrene	11.416	178	119486	9.668	ng	98
72) Anthracene	11.463	178	30485	2.366	ng	99
75) Fluoranthene	12.610	202	312138	23.784	ng	98
78) Pyrene	12.839	202	282495	18.019	ng	99
81) Benzo(a)anthracene	14.039	228	129693	11.141	ng	94
83) Chrysene	14.074	228	104127	9.457	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	48229	5.794	ng	96
88) Benzo(b)fluoranthene	15.110	252	153319	20.859	ng	# 94
89) Benzo(k)fluoranthene	15.110	252	153319	21.413	ng	# 95
90) Benzo(a)pyrene	15.492	252	78783	11.549	ng	96
92) Benzo(g,h,i)perylene	17.574	276	47041	6.884	ng	95

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

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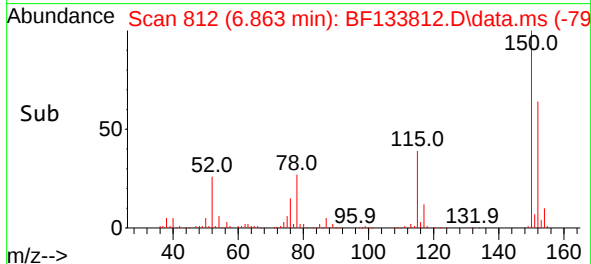
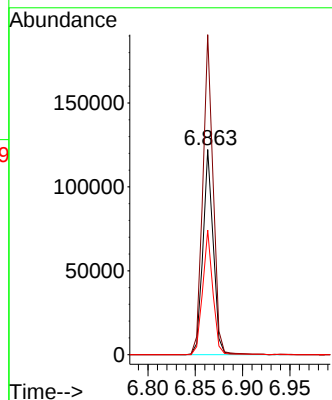
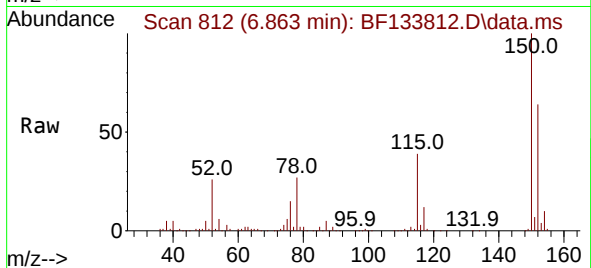




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

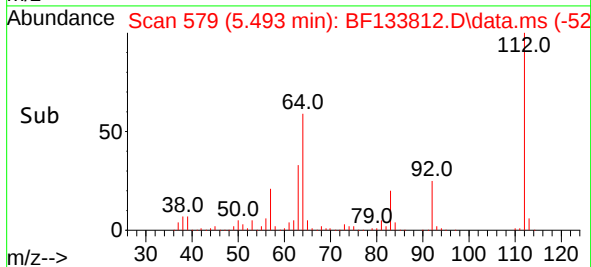
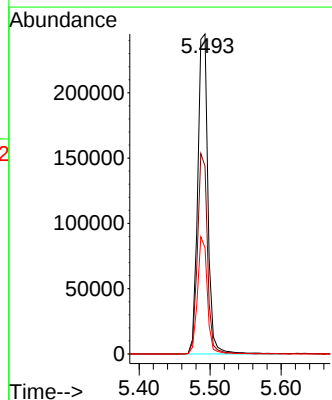
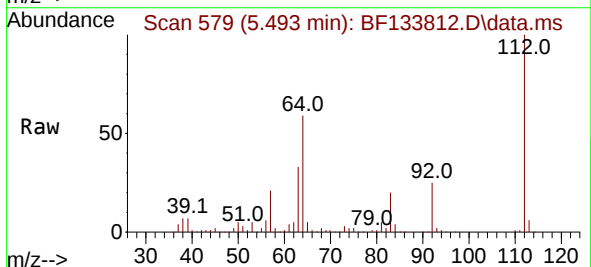
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

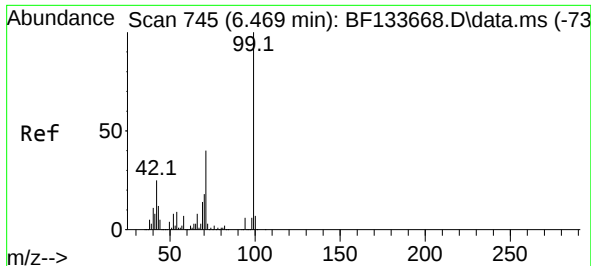
Tgt Ion:152 Resp: 92831
Ion Ratio Lower Upper
152 100
150 156.0 124.3 186.5
115 60.7 48.5 72.7



#5
2-Fluorophenol
Concen: 45.987 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Tgt Ion:112 Resp: 245217
Ion Ratio Lower Upper
112 100
64 58.7 49.0 73.4
63 33.2 26.8 40.2

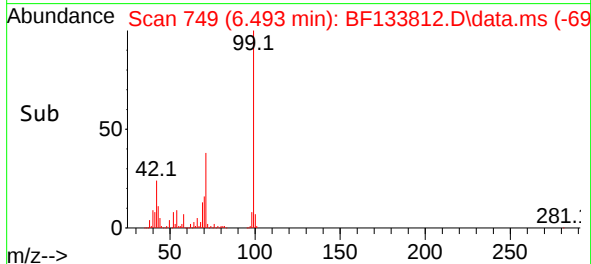
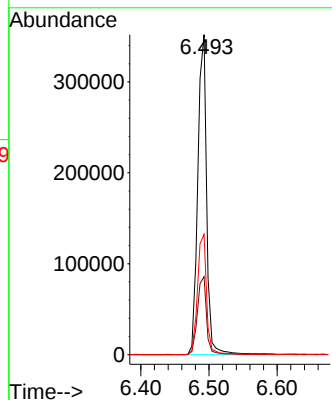
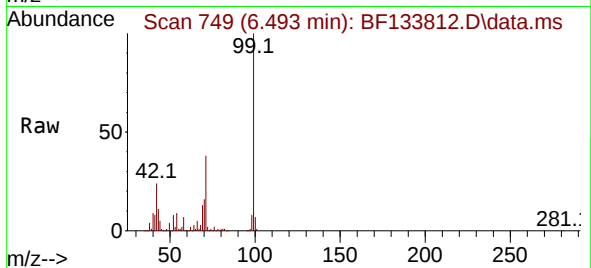




#7
Phenol-d6
Concen: 45.731 ng
RT: 6.493 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

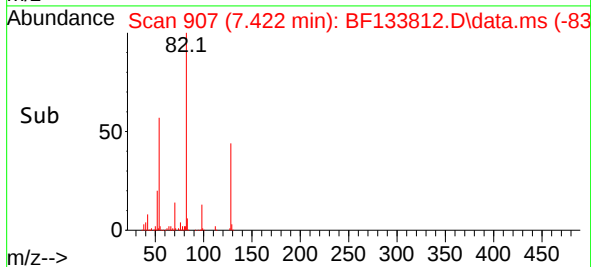
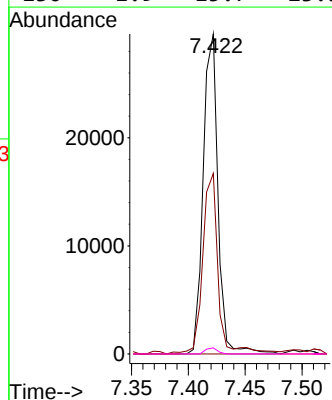
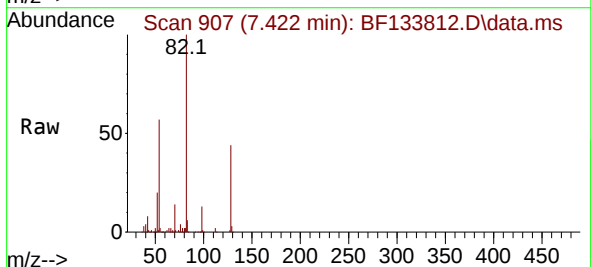
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

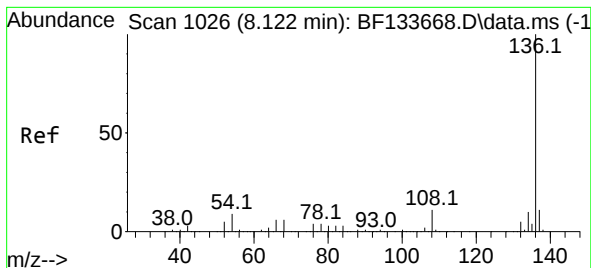
Tgt Ion: 99 Resp: 317418
Ion Ratio Lower Upper
99 100
42 24.4 19.9 29.9
71 37.6 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.053 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Tgt Ion: 70 Resp: 26731
Ion Ratio Lower Upper
70 100
42 56.4 55.8 83.8
101 0.0 8.1 12.1#
130 1.9 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.140 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

Tgt Ion:136 Resp: 335262

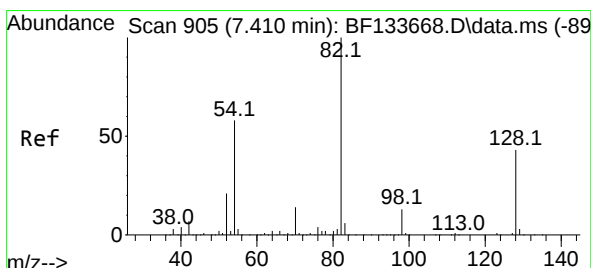
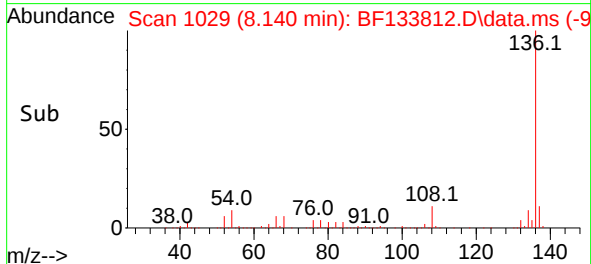
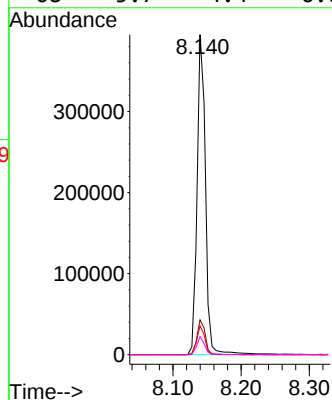
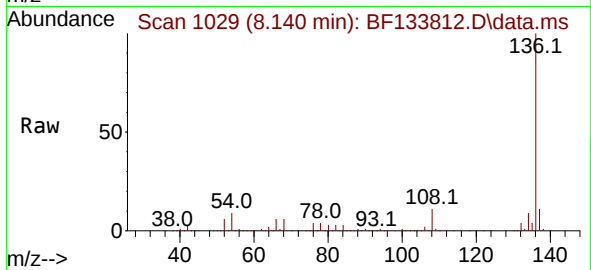
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.0 7.4 11.0

68 5.7 4.4 6.6



#23

Nitrobenzene-d5

Concen: 30.362 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

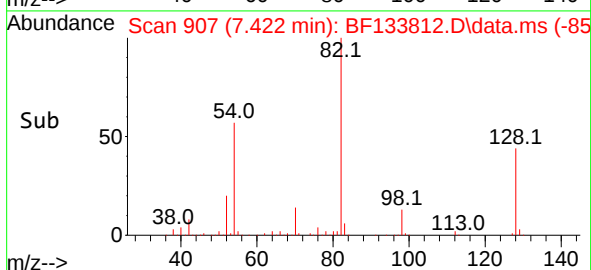
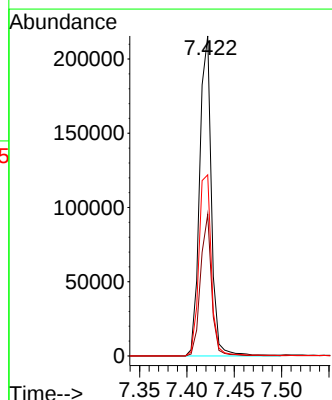
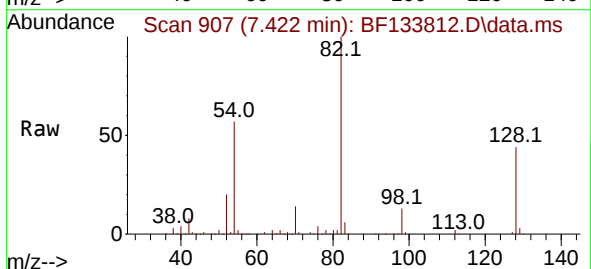
Tgt Ion: 82 Resp: 186889

Ion Ratio Lower Upper

82 100

128 44.3 34.2 51.2

54 56.6 46.5 69.7

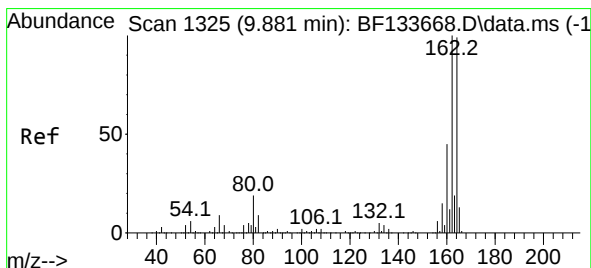
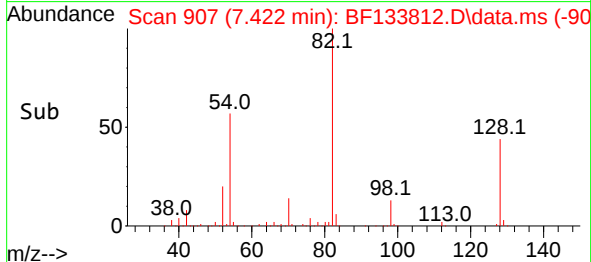
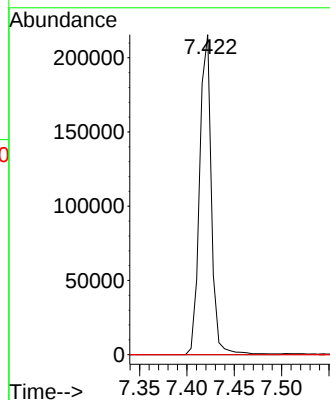
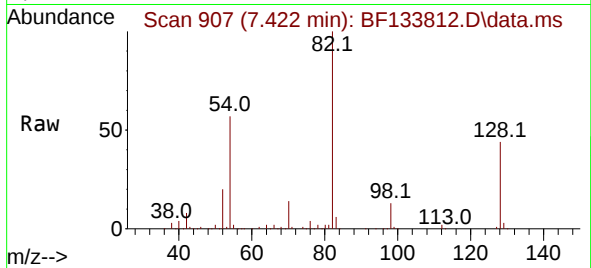




#25
Isophorone
Concen: 16.538 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

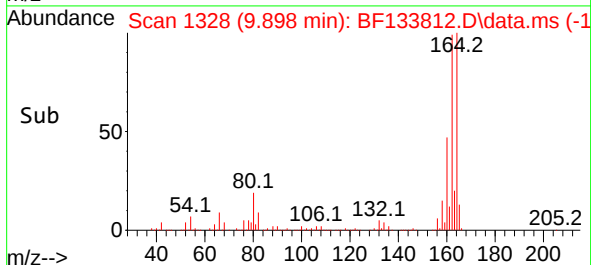
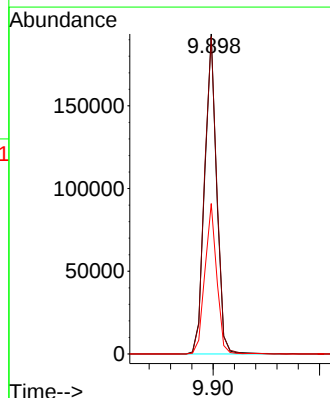
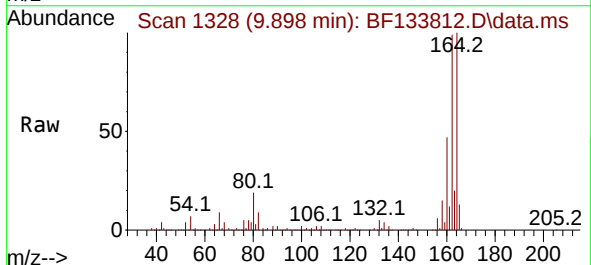
Instrument :
BNA_F
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COMPOSIT-SB-04

Tgt Ion: 82 Resp: 186889
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: BF133812.D
Acq: 16 Jun 2023 18:03

Tgt Ion:164 Resp: 151311
Ion Ratio Lower Upper
164 100
162 99.2 80.8 121.2
160 47.0 36.7 55.1

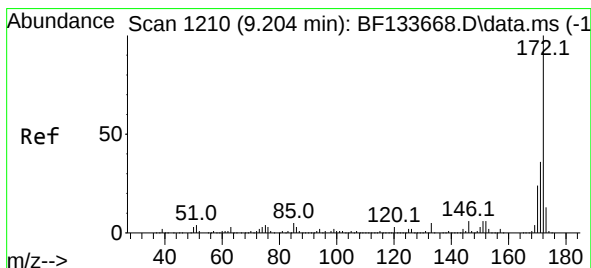
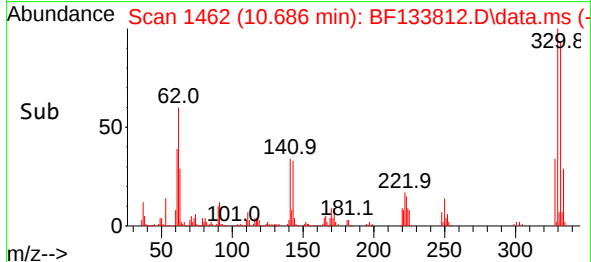
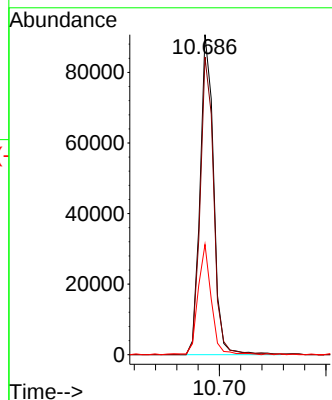
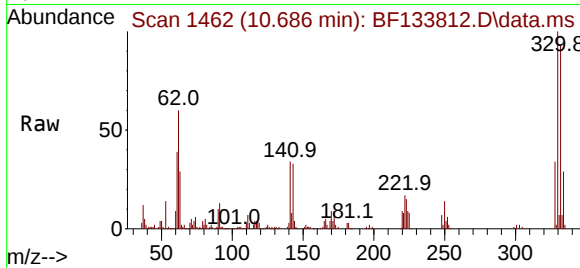




#42
 2,4,6-Tribromophenol
 Concen: 42.028 ng
 RT: 10.686 min Scan# 1462
 Delta R.T. -0.006 min
 Lab File: BF133812.D
 Acq: 16 Jun 2023 18:03

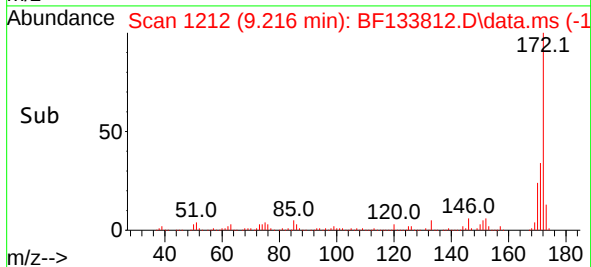
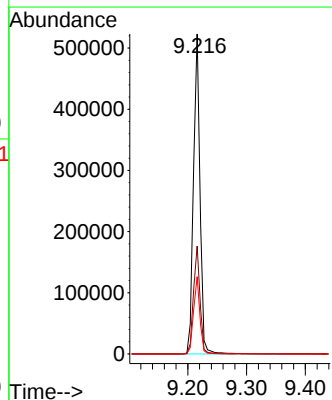
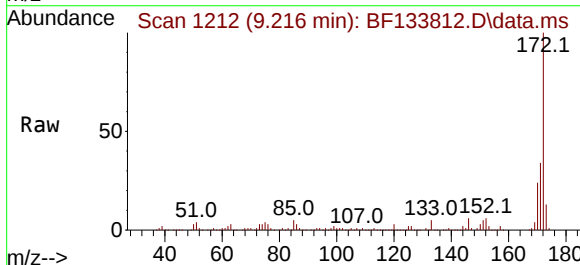
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 COMPOSIT-SB-04

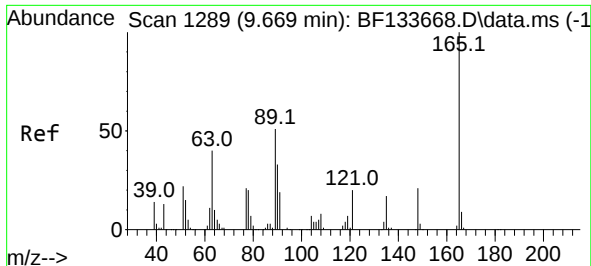
Tgt Ion:330 Resp: 80498
 Ion Ratio Lower Upper
 330 100
 332 93.5 77.2 115.8
 141 33.8 24.9 37.3



#45
 2-Fluorobiphenyl
 Concen: 38.036 ng
 RT: 9.216 min Scan# 1212
 Delta R.T. -0.006 min
 Lab File: BF133812.D
 Acq: 16 Jun 2023 18:03

Tgt Ion:172 Resp: 404873
 Ion Ratio Lower Upper
 172 100
 171 33.7 28.6 43.0
 170 24.1 19.1 28.7

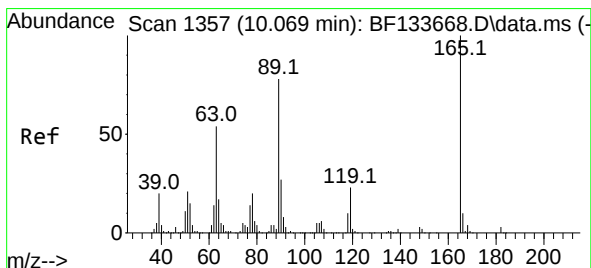
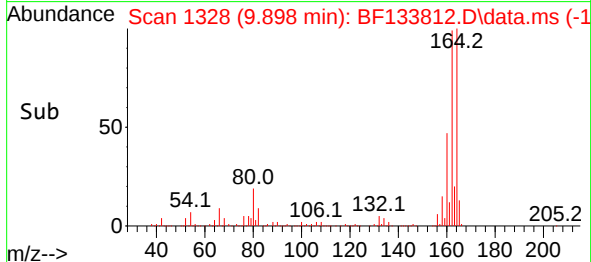
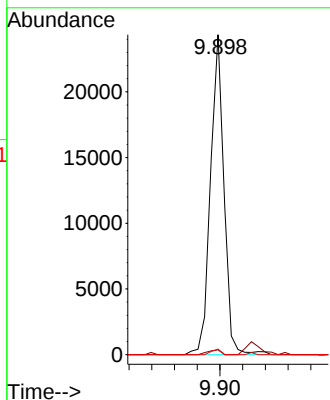
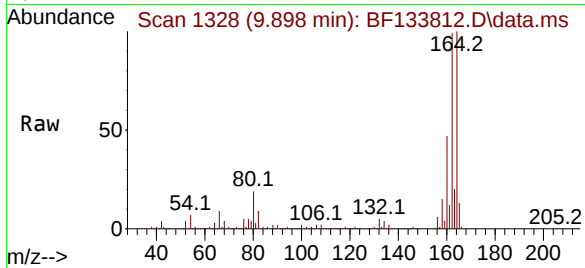




#51
2,6-Dinitrotoluene
Concen: 8.608 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

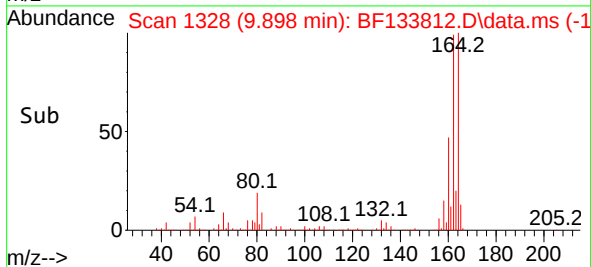
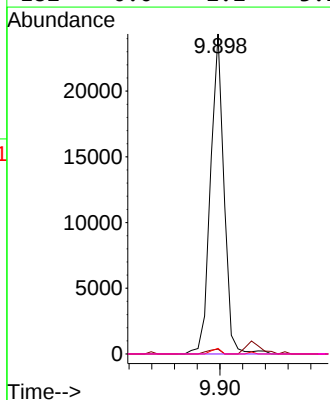
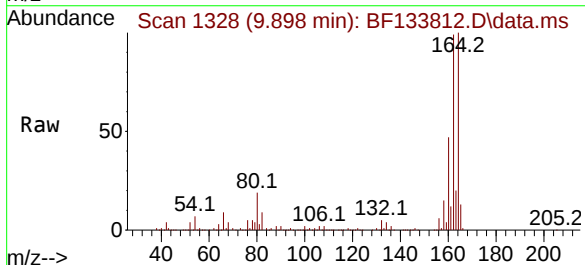
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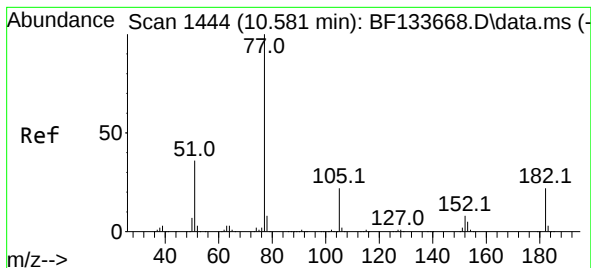
Tgt Ion:165 Resp: 20067
Ion Ratio Lower Upper
165 100
63 1.5 42.1 63.1#
89 1.8 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.768 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Tgt Ion:165 Resp: 20067
Ion Ratio Lower Upper
165 100
63 1.5 43.0 64.6#
89 1.8 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 3.833 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

Tgt Ion: 77 Resp: 41706

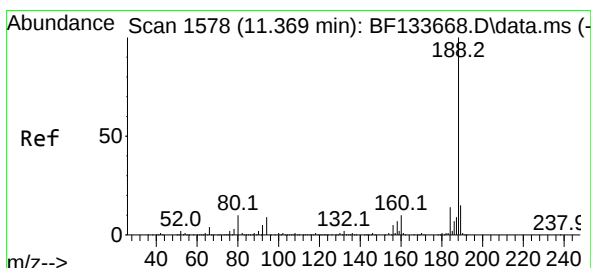
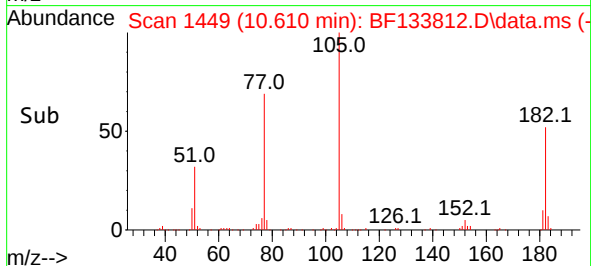
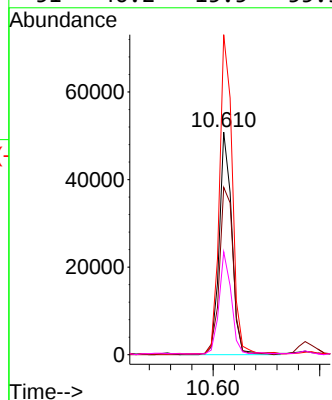
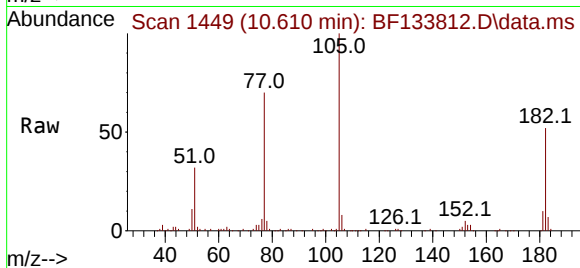
Ion Ratio Lower Upper

77 100

182 75.2 1.6 41.6#

105 143.8 1.6 41.6#

51 46.2 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

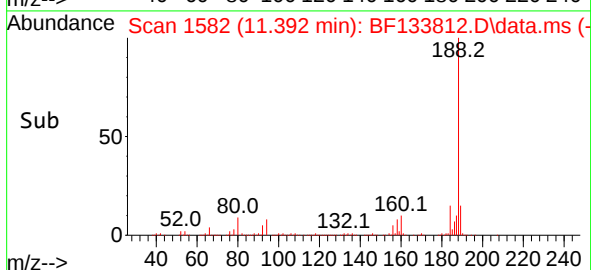
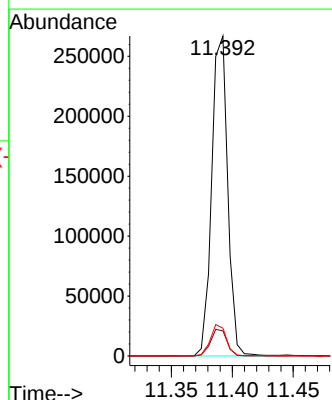
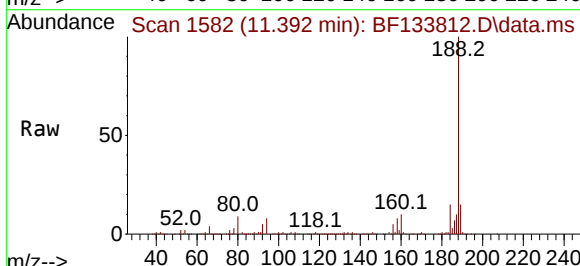
Tgt Ion: 188 Resp: 243590

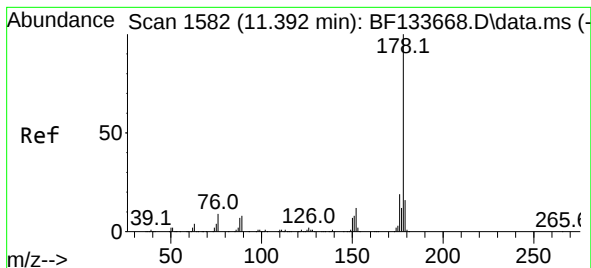
Ion Ratio Lower Upper

188 100

94 7.8 6.8 10.2

80 8.7 7.8 11.6





#71

Phenanthrene

Concen: 9.668 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

Instrument :

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COMPOSIT-SB-04

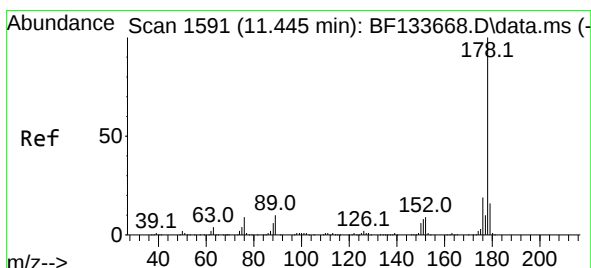
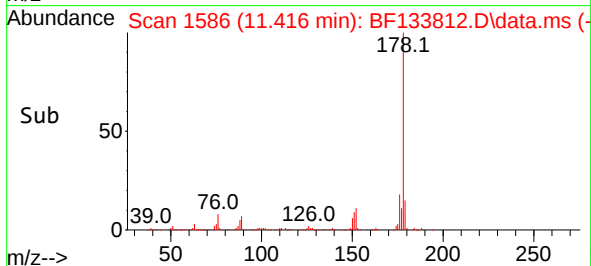
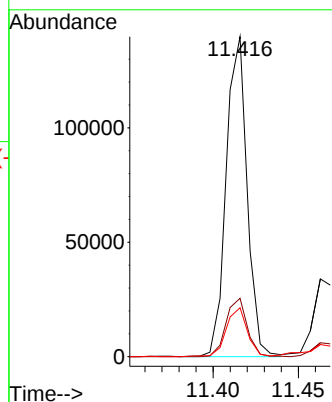
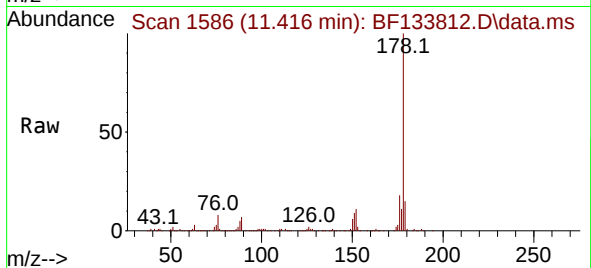
Tgt Ion:178 Resp: 119486

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

179 15.3 12.4 18.6



#72

Anthracene

Concen: 2.366 ng

RT: 11.463 min Scan# 1594

Delta R.T. -0.006 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

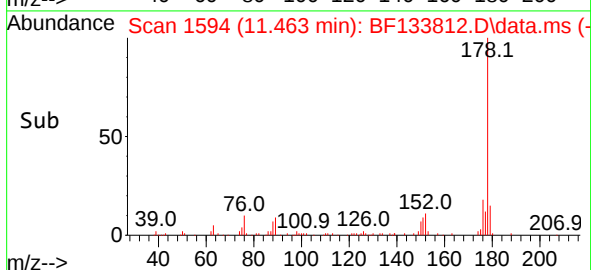
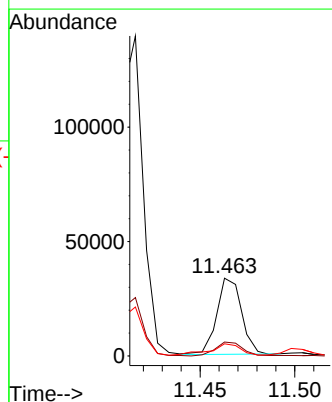
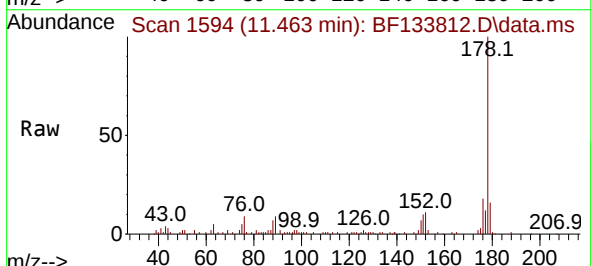
Tgt Ion:178 Resp: 30485

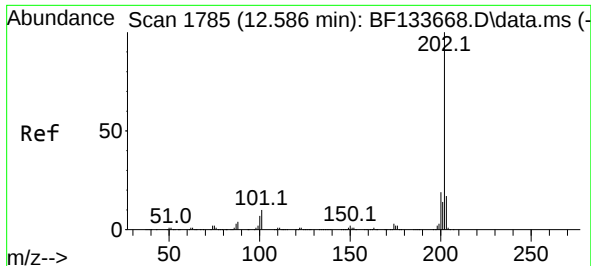
Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

179 15.6 12.6 18.8

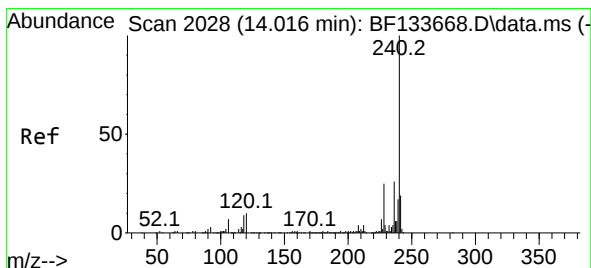
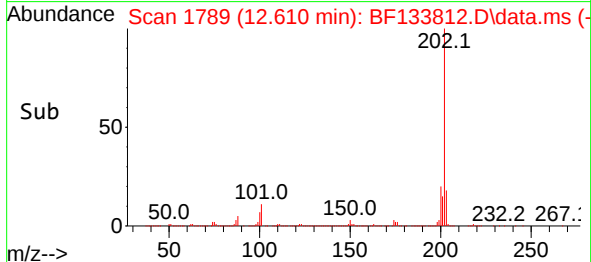
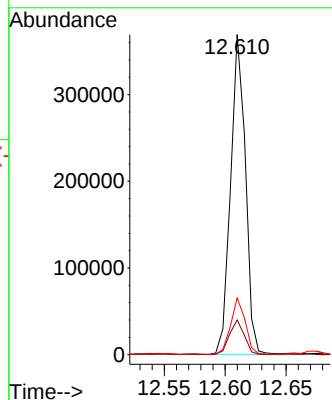
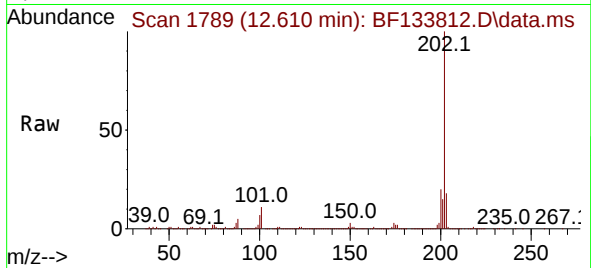




#75
Fluoranthene
Concen: 23.784 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

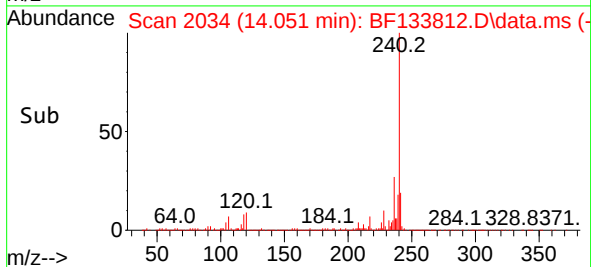
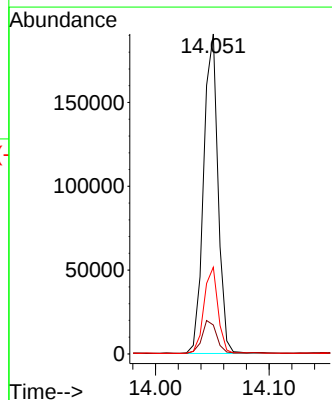
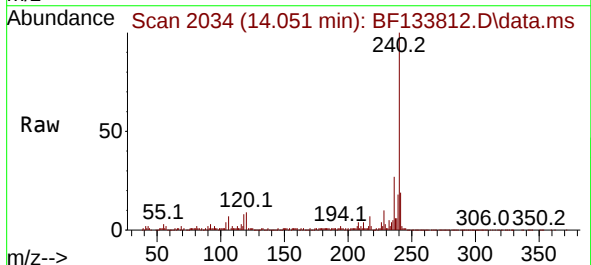
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

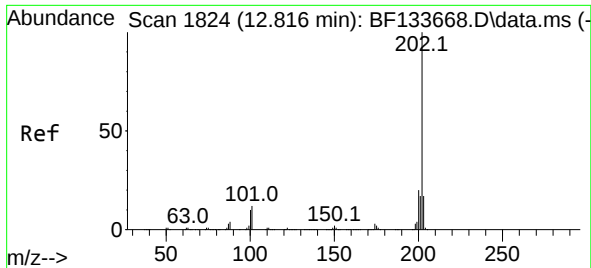
Tgt Ion:202 Resp: 312138
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.6
203 17.7 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Tgt Ion:240 Resp: 168297
Ion Ratio Lower Upper
240 100
120 9.1 8.1 12.1
236 27.1 20.5 30.7

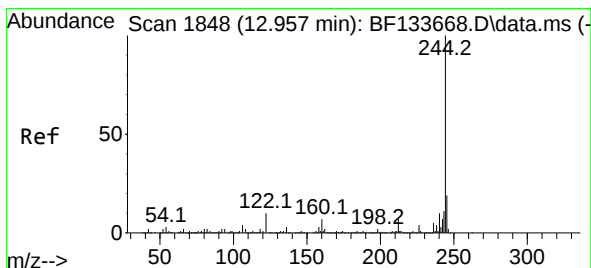
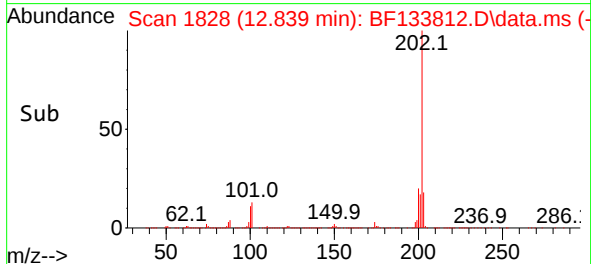
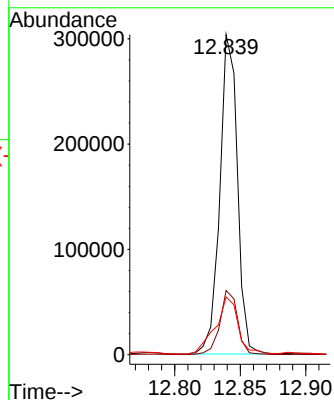
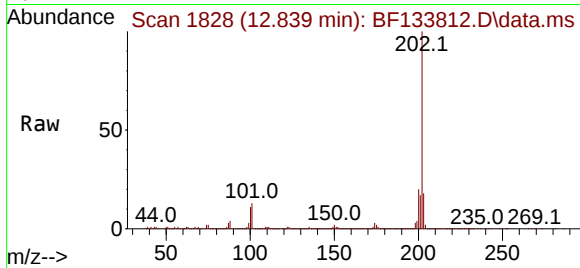




#78
Pyrene
Concen: 18.019 ng
RT: 12.839 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

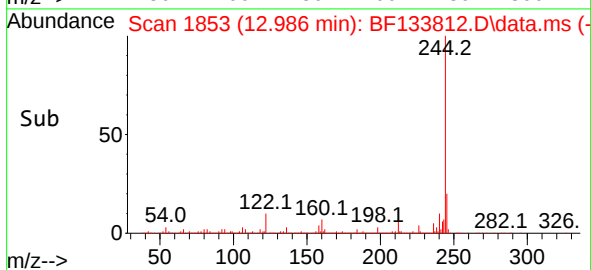
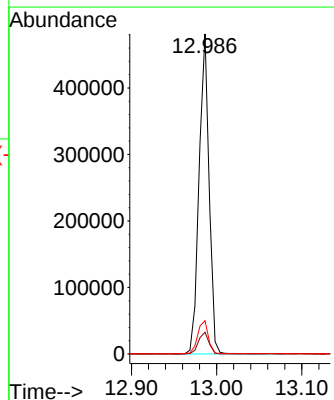
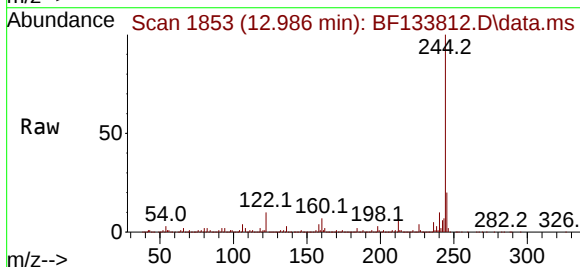
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

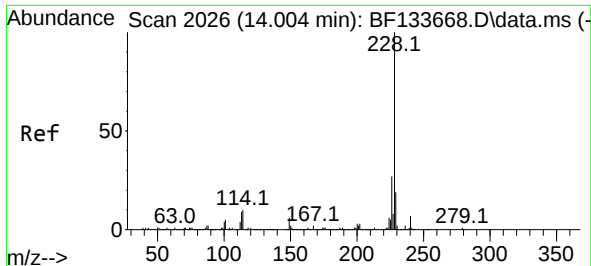
Tgt Ion:202 Resp: 282495
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 18.1 13.9 20.9



#79
Terphenyl-d14
Concen: 36.230 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Tgt Ion:244 Resp: 394058
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 10.4 8.1 12.1

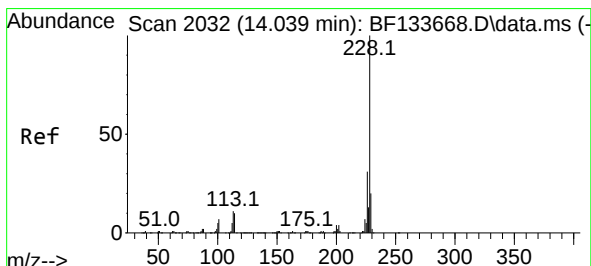
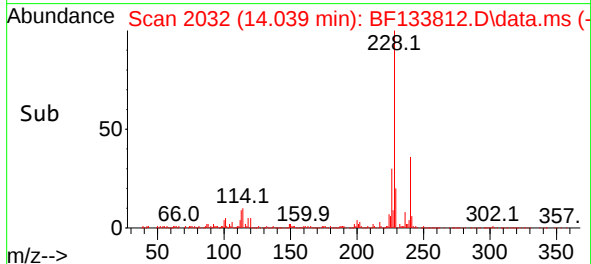
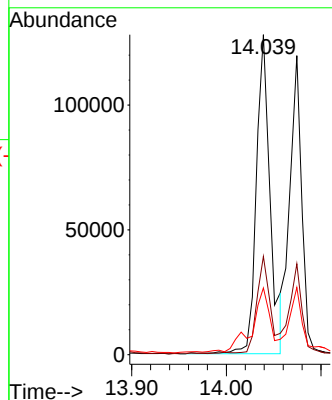
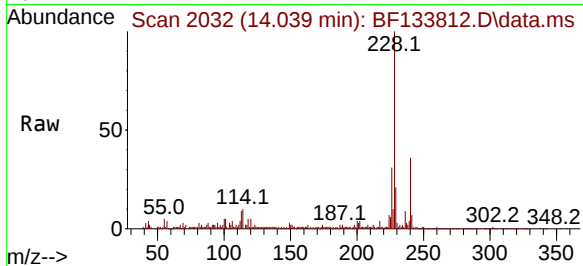




#81
Benzo(a)anthracene
Concen: 11.141 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

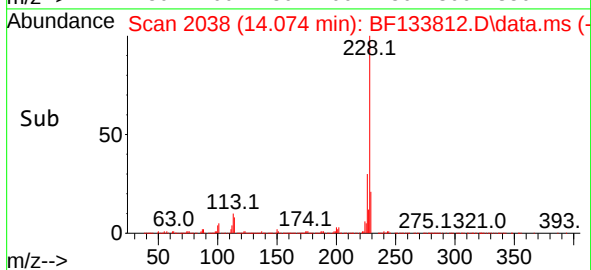
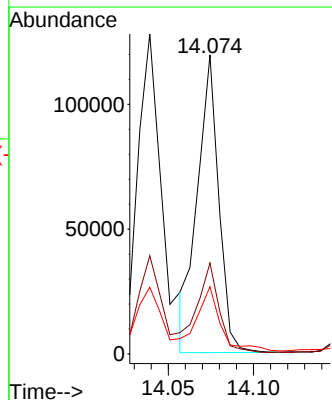
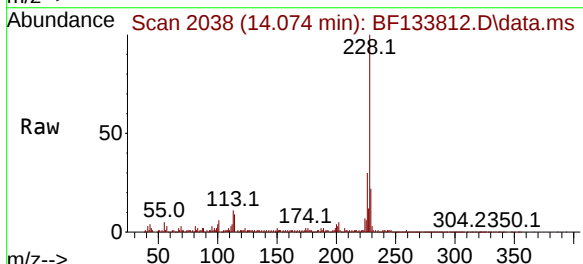
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

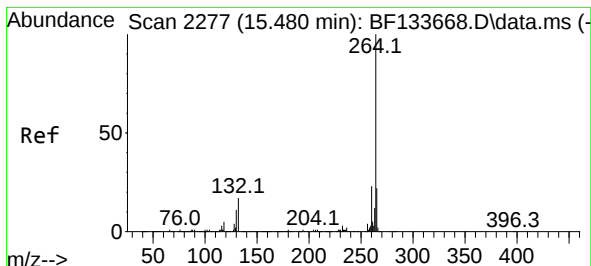
Tgt Ion:228 Resp: 129693
Ion Ratio Lower Upper
228 100
226 30.7 21.7 32.5
229 20.9 15.4 23.2



#83
Chrysene
Concen: 9.457 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133812.D
Acq: 16 Jun 2023 18:03

Tgt Ion:228 Resp: 104127
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.5 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

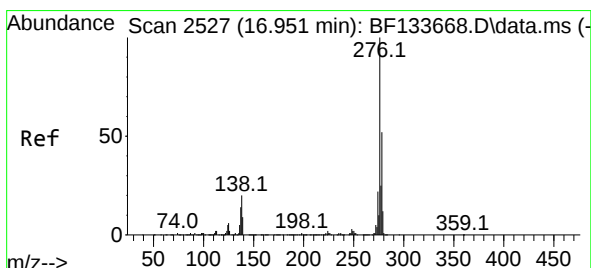
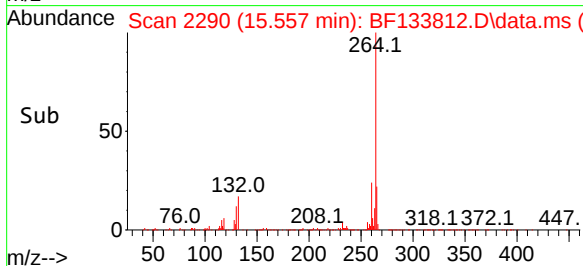
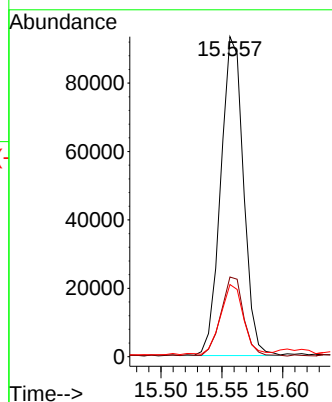
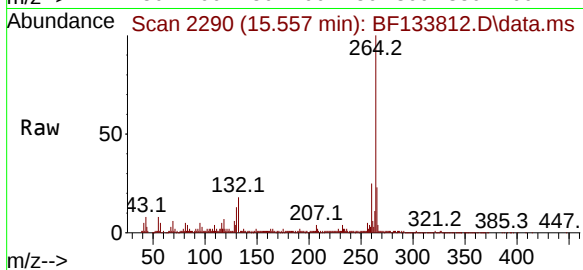
Tgt Ion:264 Resp: 120999

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.2

265 22.6 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.794 ng

RT: 17.104 min Scan# 2553

Delta R.T. -0.012 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

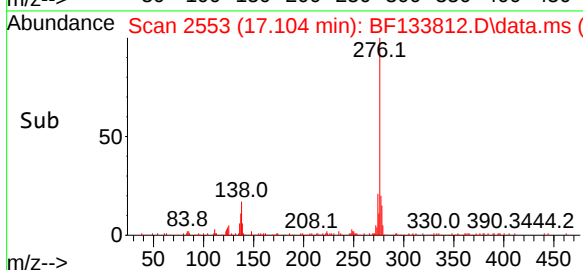
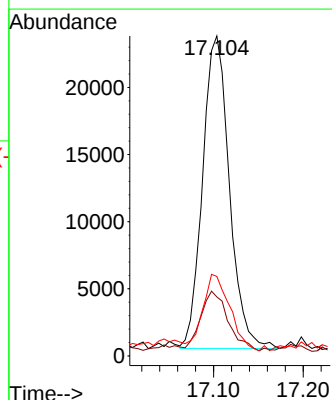
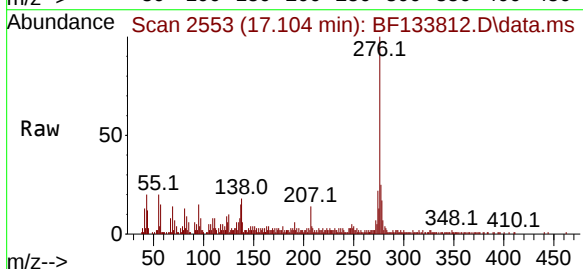
Tgt Ion:276 Resp: 48229

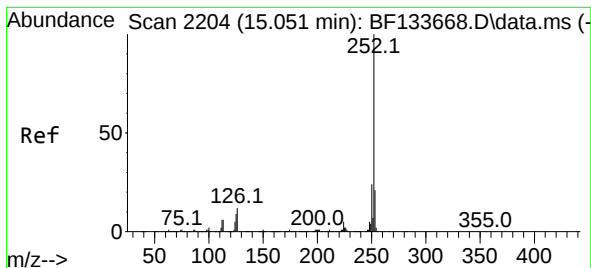
Ion Ratio Lower Upper

276 100

138 19.6 17.9 26.9

277 24.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 20.859 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

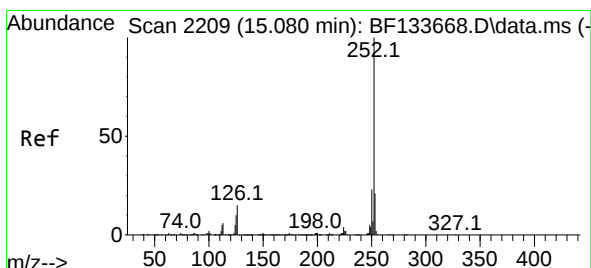
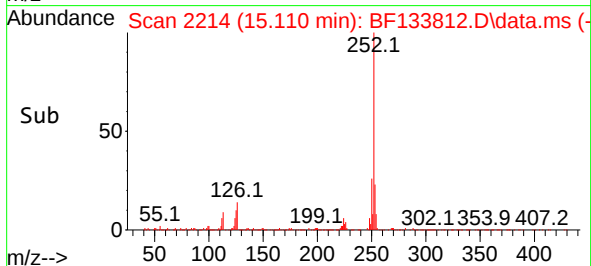
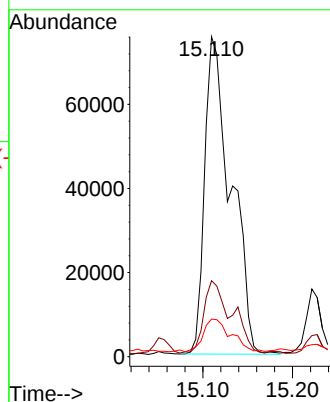
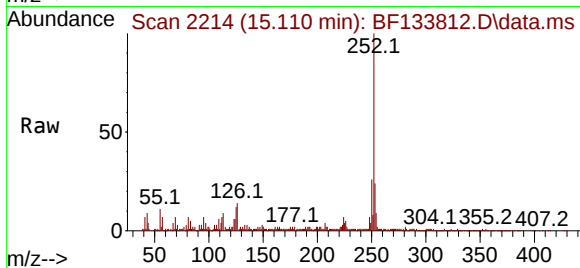
Tgt Ion:252 Resp: 153319

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.6

125 11.7 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 21.413 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.035 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

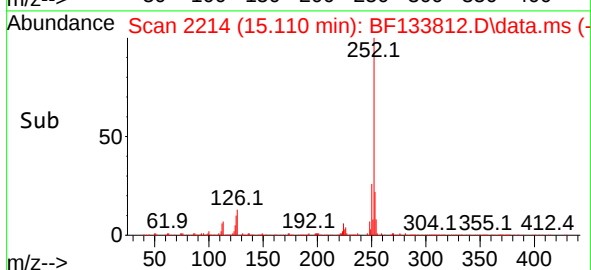
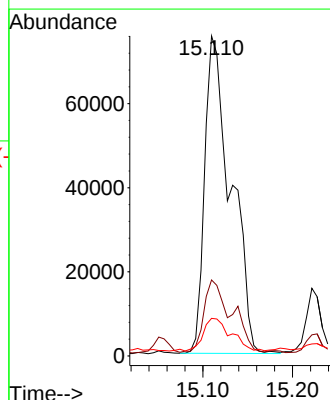
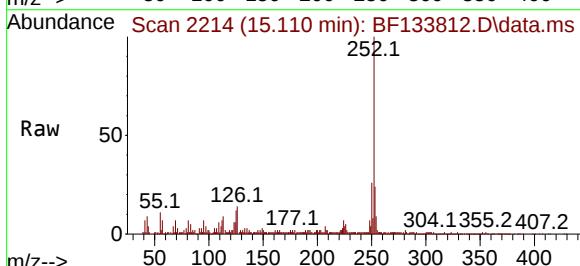
Tgt Ion:252 Resp: 153319

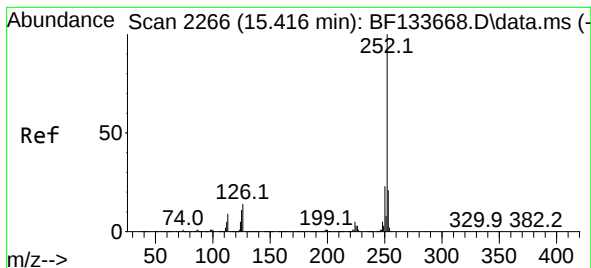
Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.4

125 11.7 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 11.549 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

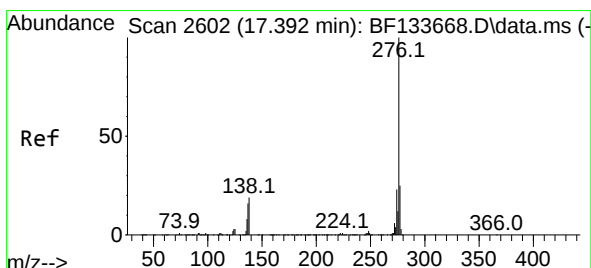
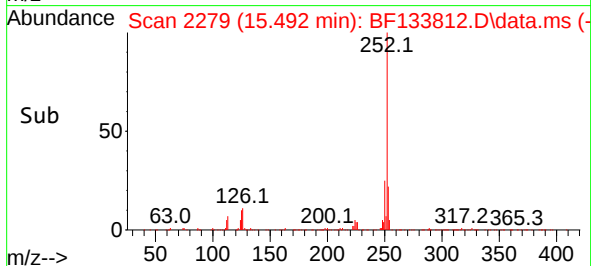
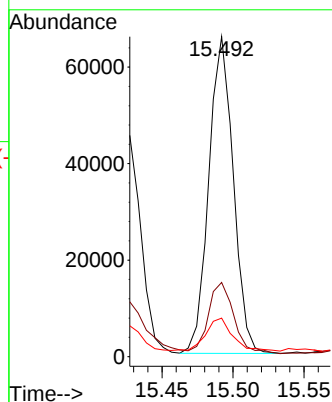
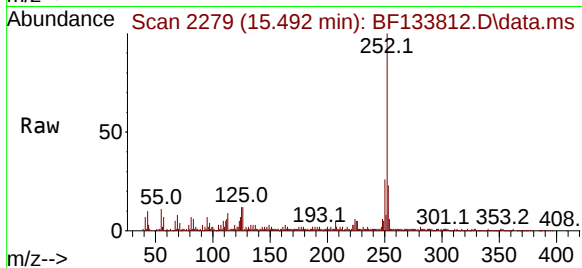
Tgt Ion:252 Resp: 78783

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 12.0 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 6.884 ng

RT: 17.574 min Scan# 2633

Delta R.T. -0.018 min

Lab File: BF133812.D

Acq: 16 Jun 2023 18:03

Tgt Ion:276 Resp: 47041

Ion Ratio Lower Upper

276 100

277 23.6 19.8 29.8

138 22.3 15.0 22.4

