

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133822.D
 Acq On : 16 Jun 2023 23:37
 Operator : CG\JU
 Sample : 03223-07 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-05

Quant Time: Jun 17 00:14:16 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)

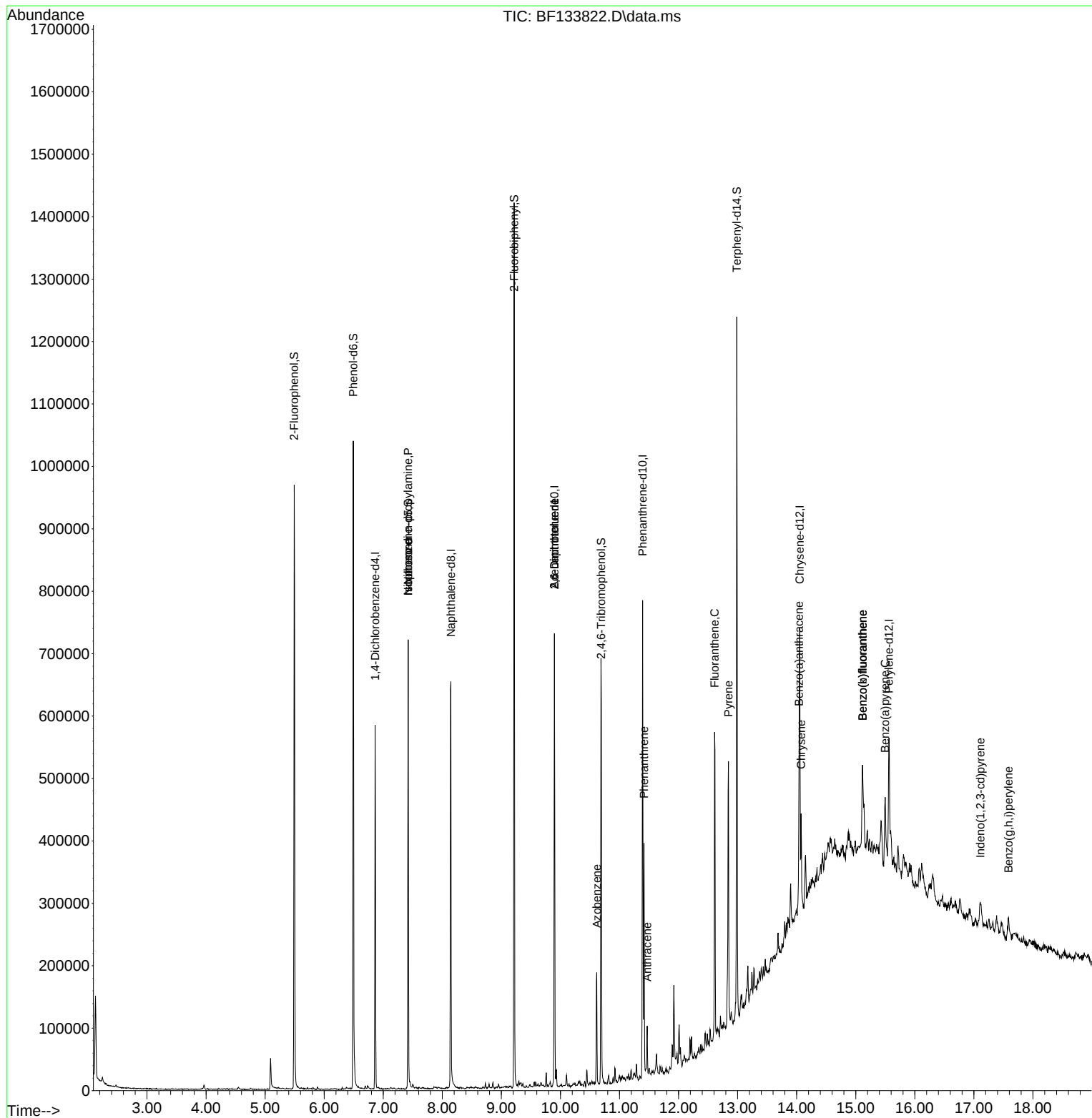
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	78237	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	300357	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	133447	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	251897	20.000	ng	0.00
76) Chrysene-d12	14.051	240	126233	20.000	ng	0.00
86) Perylene-d12	15.562	264	102263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	242234	53.901	ng	0.00
7) Phenol-d6	6.492	99	283627	48.485	ng	0.00
23) Nitrobenzene-d5	7.422	82	182707	33.132	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	79400	47.004	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	370812	39.500	ng	0.00
79) Terphenyl-d14	12.986	244	353580	43.341	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	24870	6.682	ng	# 78
25) Isophorone	7.422	82	182731	18.049	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	18006	8.758	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	18006	6.886	ng	# 20
63) Azobenzene	10.616	77	30923	3.222	ng	# 1
71) Phenanthrene	11.416	178	120101	9.398	ng	98
72) Anthracene	11.469	178	27945	2.097	ng	97
75) Fluoranthene	12.610	202	202143	14.895	ng	97
78) Pyrene	12.845	202	180951	15.388	ng	97
81) Benzo(a)anthracene	14.039	228	69696	7.982	ng	96
83) Chrysene	14.074	228	61859	7.490	ng	97
87) Indeno(1,2,3-cd)pyrene	17.109	276	27661	3.932	ng	97
88) Benzo(b)fluoranthene	15.115	252	90481	14.565	ng	# 89
89) Benzo(k)fluoranthene	15.115	252	90481	14.952	ng	# 90
90) Benzo(a)pyrene	15.498	252	45346	7.865	ng	# 88
92) Benzo(g,h,i)perylene	17.586	276	28070	4.861	ng	# 90

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133822.D
Acq On : 16 Jun 2023 23:37
Operator : CG\JU
Sample : 03223-07 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05

Quant Time: Jun 17 00:14:16 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

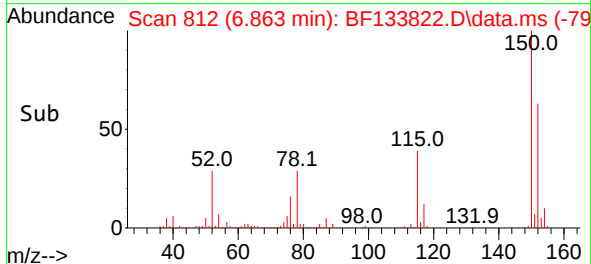
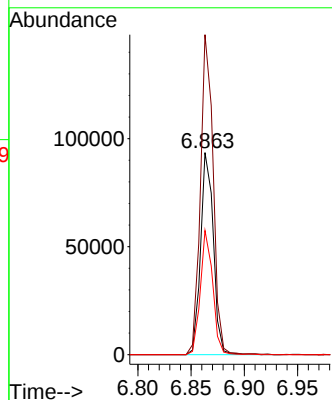
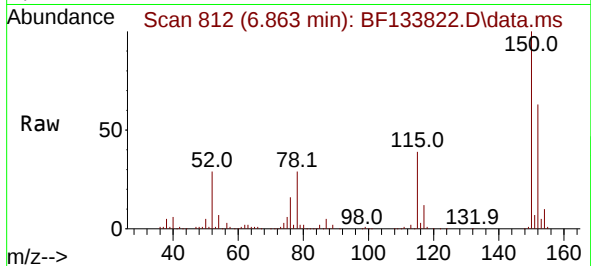




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

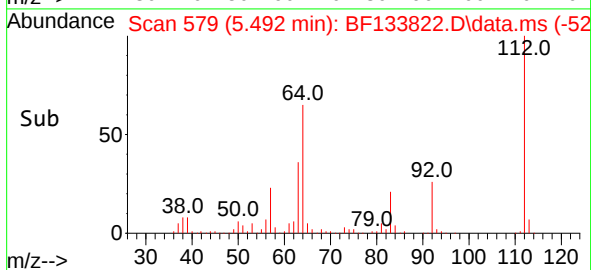
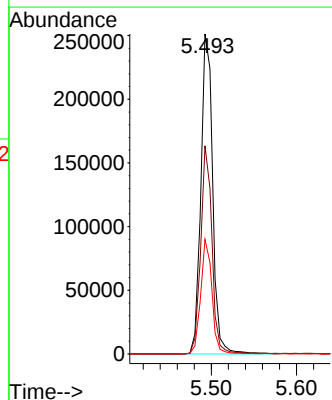
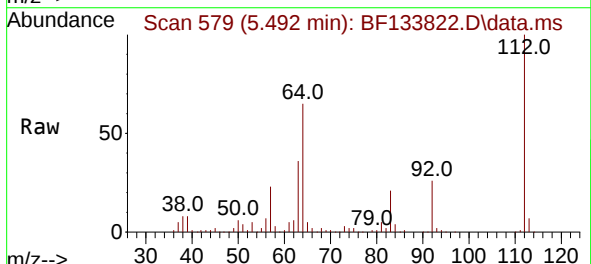
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05

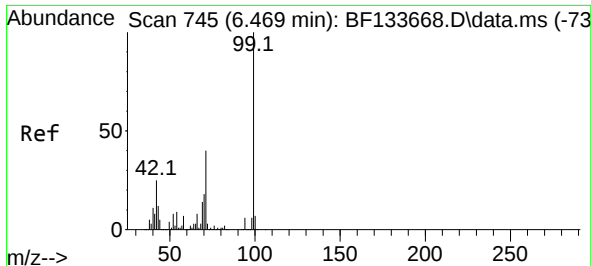
Tgt Ion:152 Resp: 78237
Ion Ratio Lower Upper
152 100
150 158.4 124.3 186.5
115 61.5 48.5 72.7



#5
2-Fluorophenol
Concen: 53.901 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Tgt Ion:112 Resp: 242234
Ion Ratio Lower Upper
112 100
64 65.1 49.0 73.4
63 35.8 26.8 40.2





#7

Phenol-d6

Concen: 48.485 ng

RT: 6.492 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05

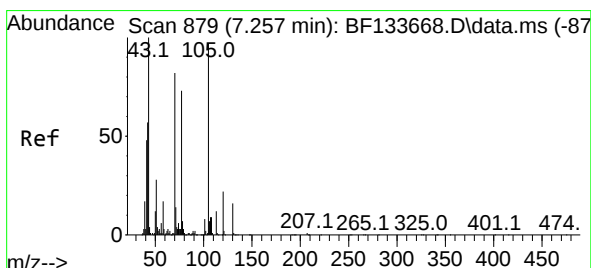
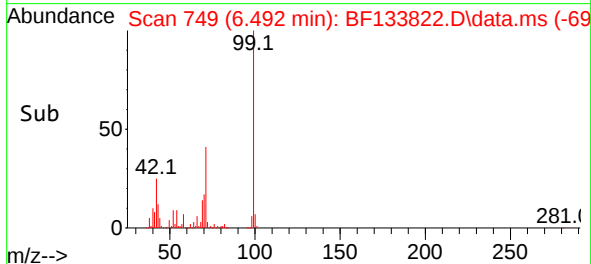
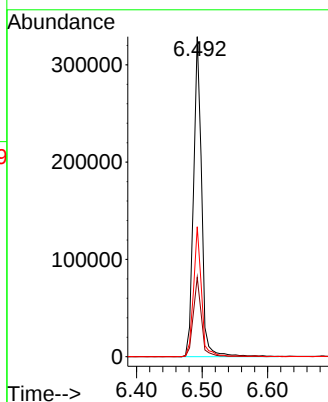
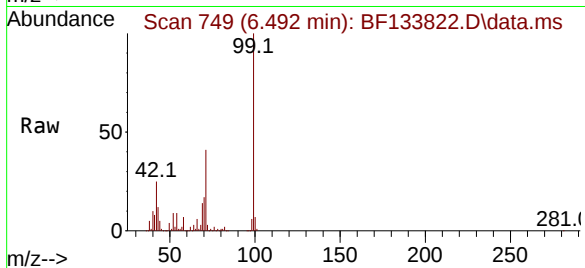
Tgt Ion: 99 Resp: 283627

Ion Ratio Lower Upper

99 100

42 24.8 19.9 29.9

71 40.6 32.2 48.4



#19

n-Nitroso-di-n-propylamine

Concen: 6.682 ng

RT: 7.422 min Scan# 907

Delta R.T. 0.147 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Tgt Ion: 70 Resp: 24870

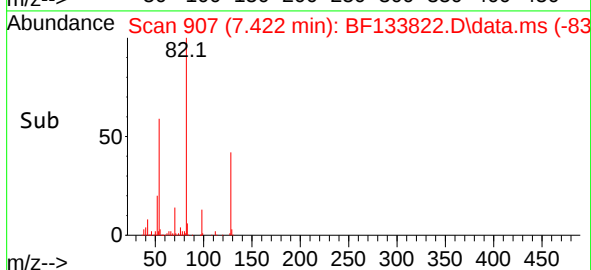
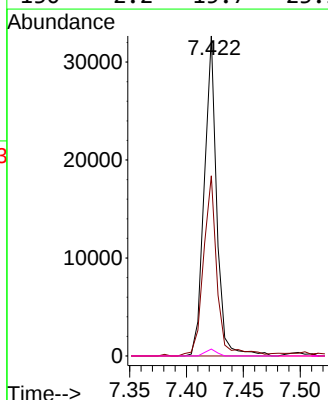
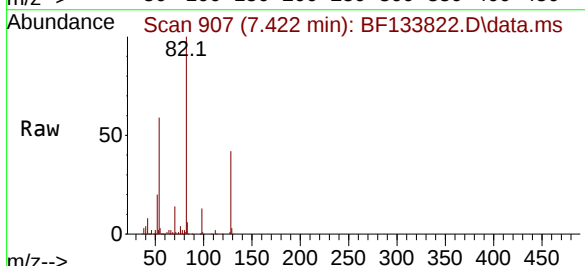
Ion Ratio Lower Upper

70 100

42 56.3 55.8 83.8

101 0.0 8.1 12.1#

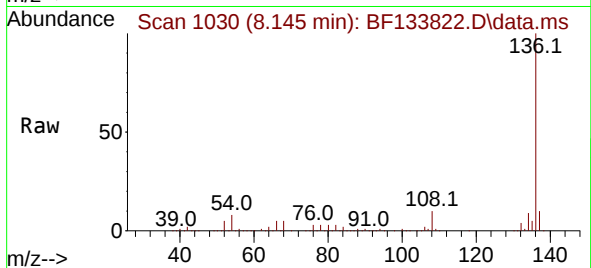
130 2.2 15.7 23.5#



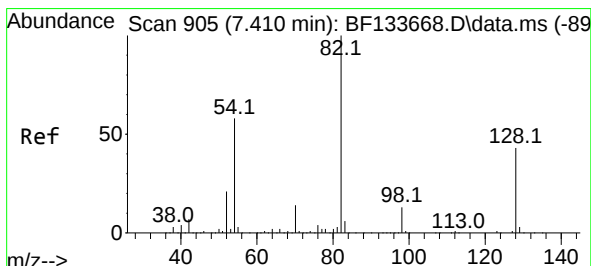
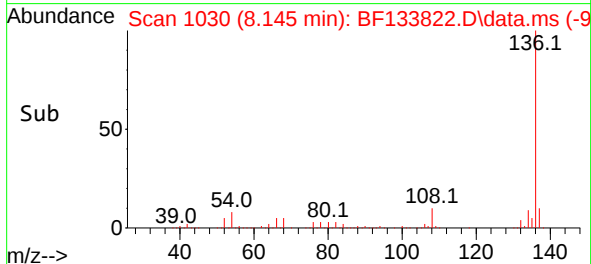
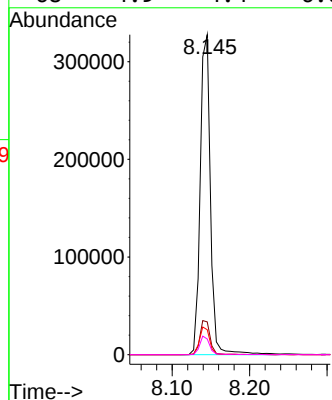


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05

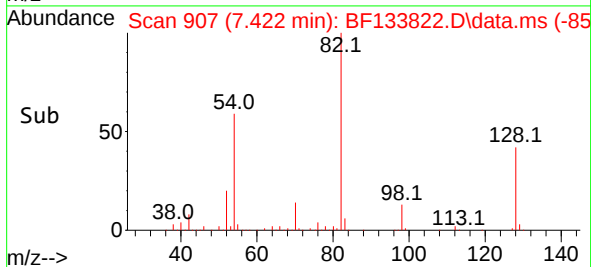
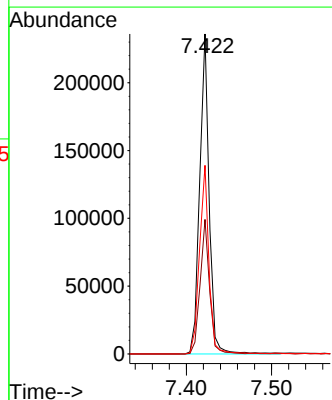
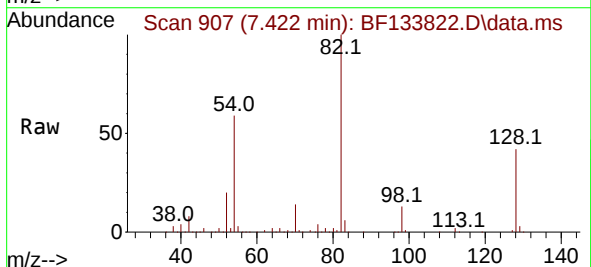


Tgt Ion:136 Resp: 300357
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 7.8 7.4 11.0
68 4.9 4.4 6.6



#23
Nitrobenzene-d5
Concen: 33.132 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Tgt Ion: 82 Resp: 182707
Ion Ratio Lower Upper
82 100
128 42.0 34.2 51.2
54 59.0 46.5 69.7

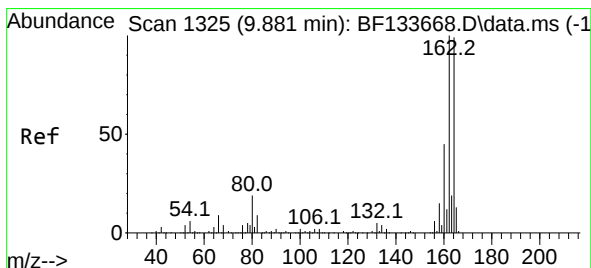
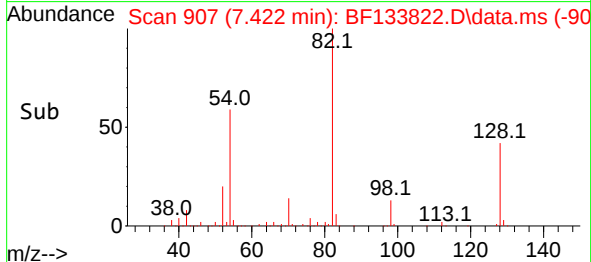
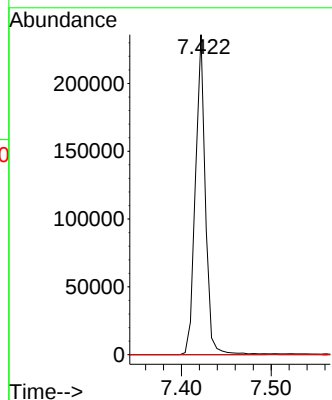
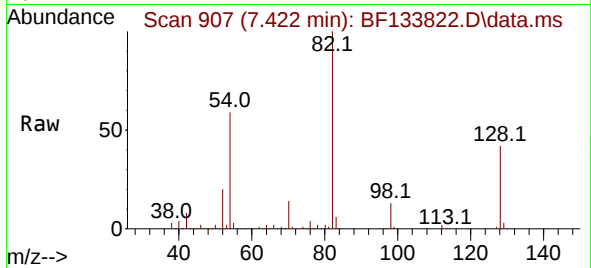




#25
Isophorone
Concen: 18.049 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

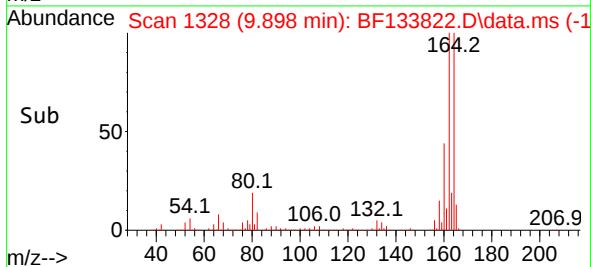
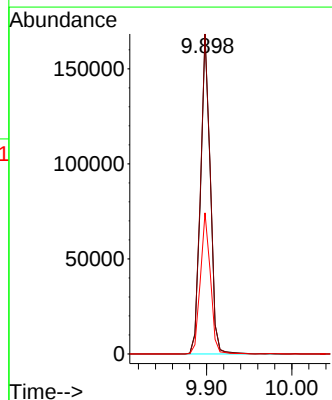
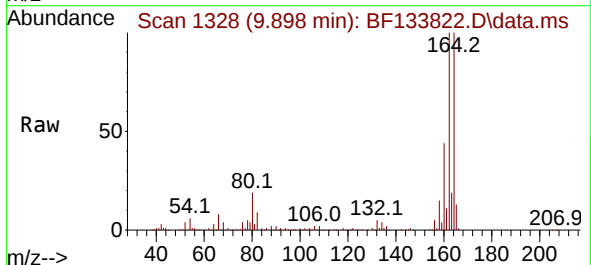
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05

Tgt Ion: 82 Resp: 182731
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: BF133822.D
Acq: 16 Jun 2023 23:37

Tgt Ion:164 Resp: 133447
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 44.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 47.004 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.000 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05

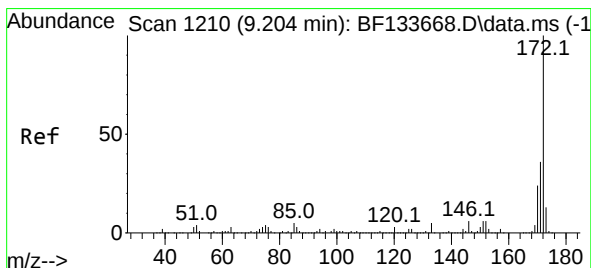
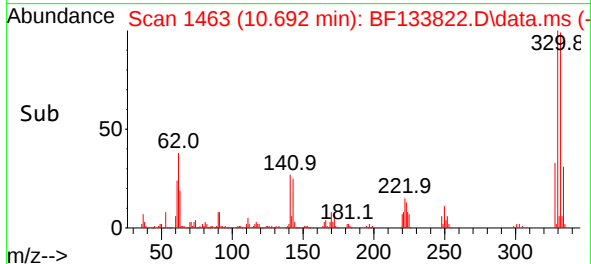
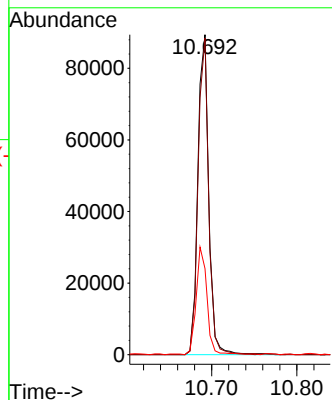
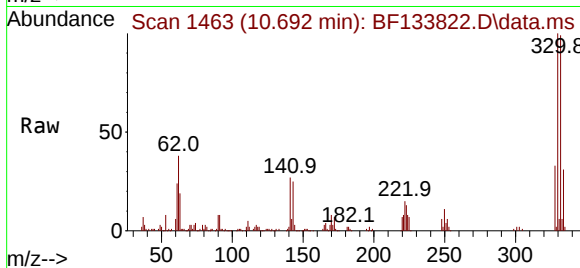
Tgt Ion:330 Resp: 79400

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

141 33.7 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 39.500 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

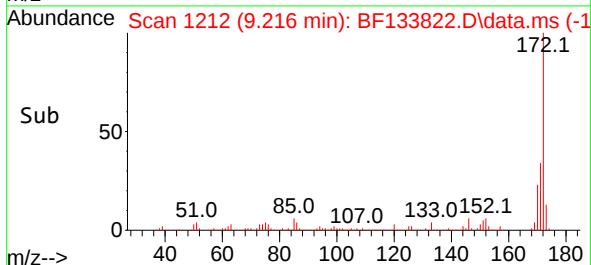
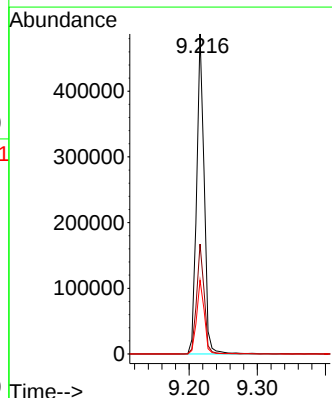
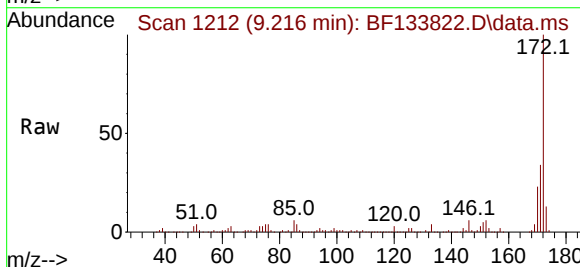
Tgt Ion:172 Resp: 370812

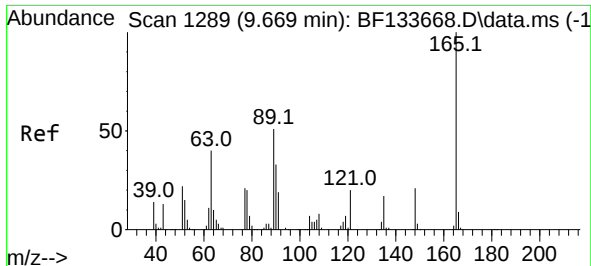
Ion Ratio Lower Upper

172 100

171 34.4 28.6 43.0

170 23.1 19.1 28.7

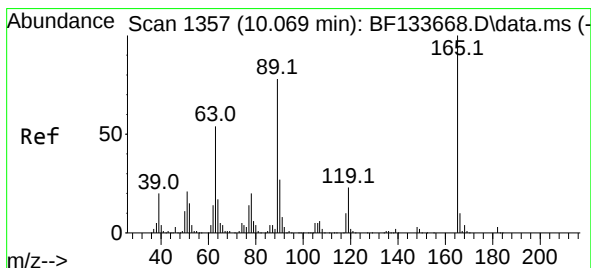
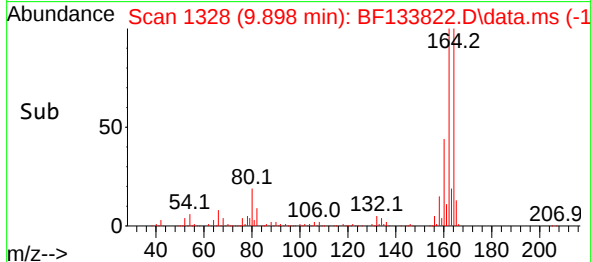
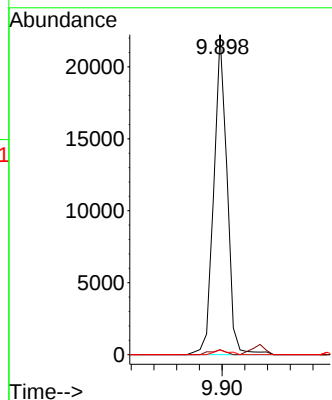
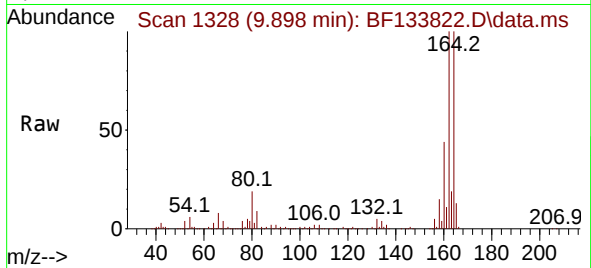




#51
2,6-Dinitrotoluene
Concen: 8.758 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

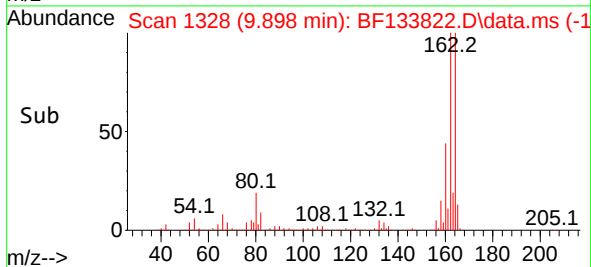
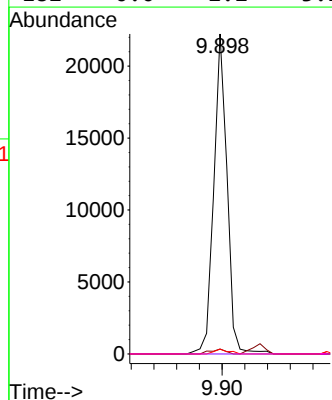
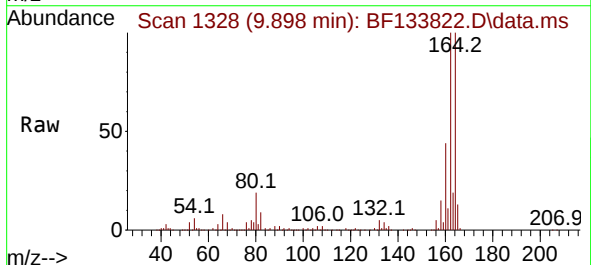
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05

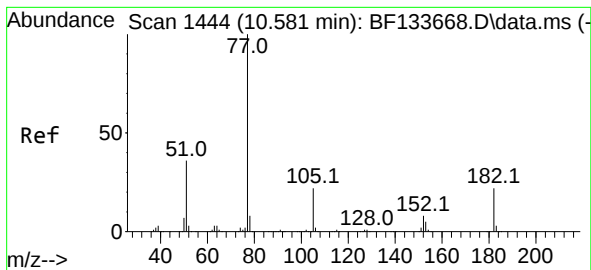
Tgt Ion:165 Resp: 18006
Ion Ratio Lower Upper
165 100
63 1.6 42.1 63.1#
89 1.5 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.886 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Tgt Ion:165 Resp: 18006
Ion Ratio Lower Upper
165 100
63 1.6 43.0 64.6#
89 1.5 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 3.222 ng

RT: 10.616 min Scan# 1444

Delta R.T. 0.012 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05

Tgt Ion: 77 Resp: 30923

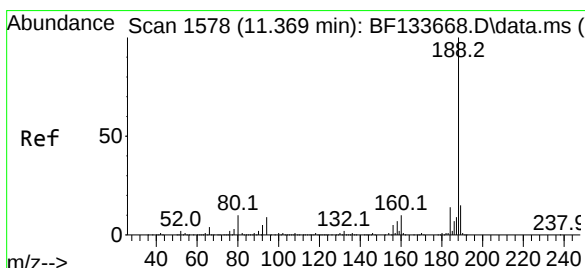
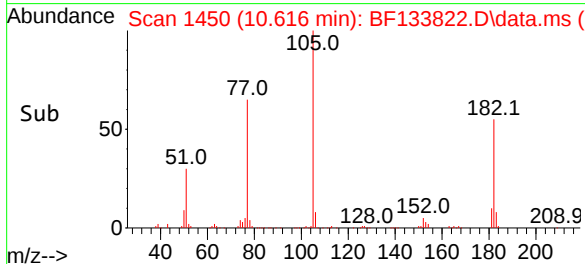
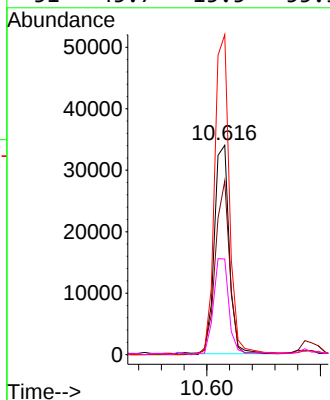
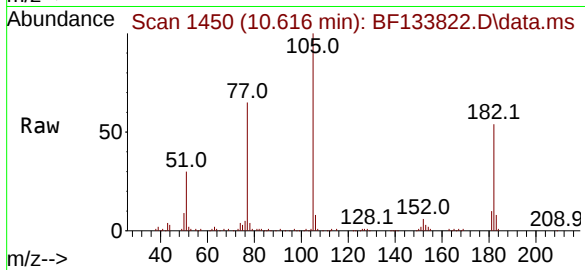
Ion Ratio Lower Upper

77 100

182 82.9 1.6 41.6#

105 152.8 1.6 41.6#

51 45.7 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: BF133822.D

Acq: 16 Jun 2023 23:37

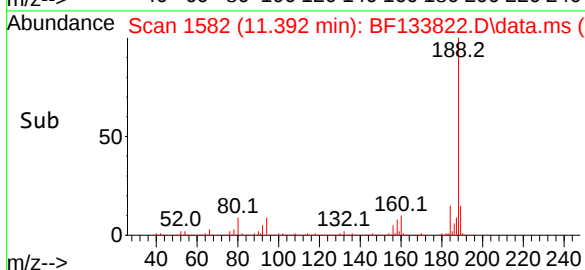
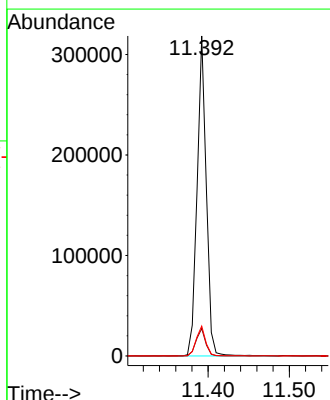
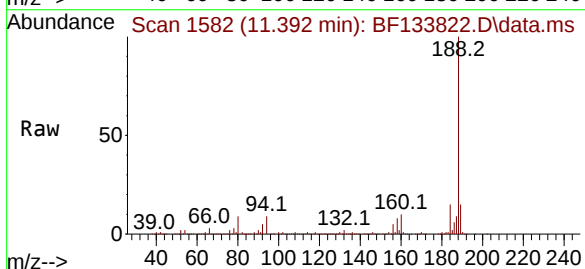
Tgt Ion: 188 Resp: 251897

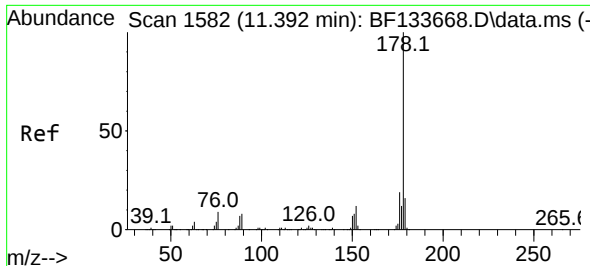
Ion Ratio Lower Upper

188 100

94 8.6 6.8 10.2

80 9.4 7.8 11.6

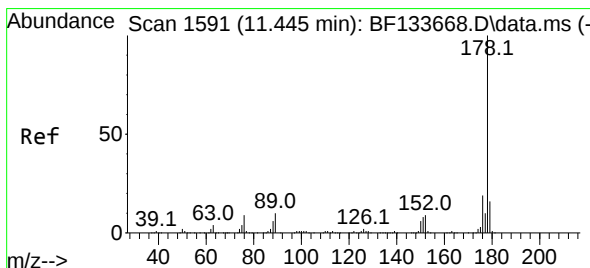
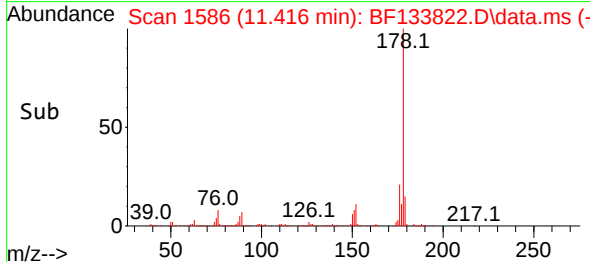
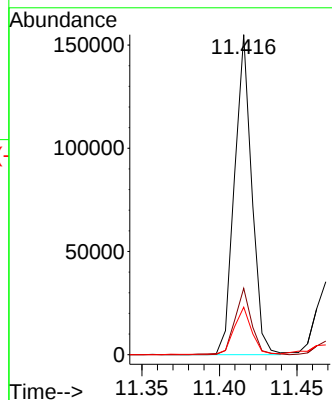
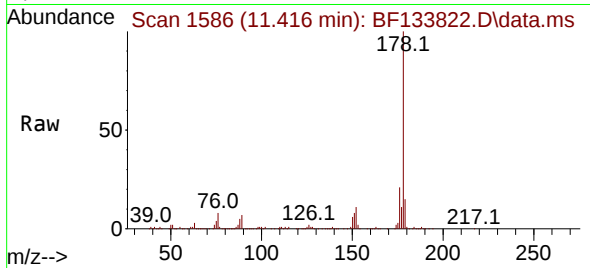




#71
Phenanthrene
Concen: 9.398 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

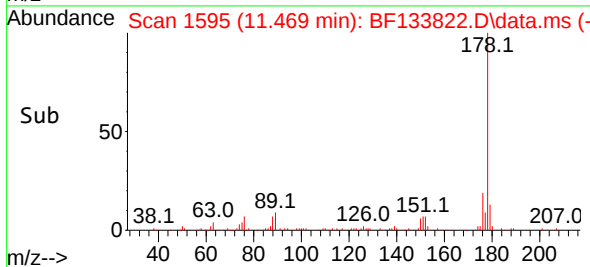
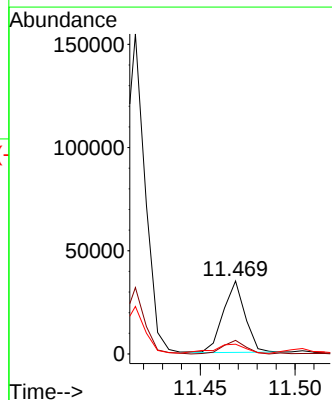
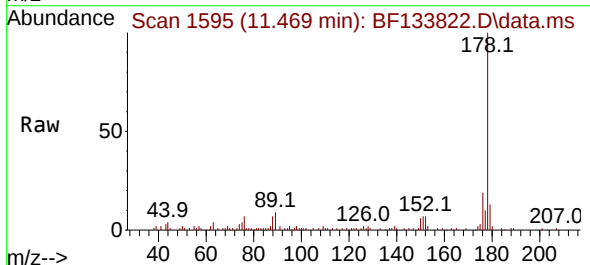
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05

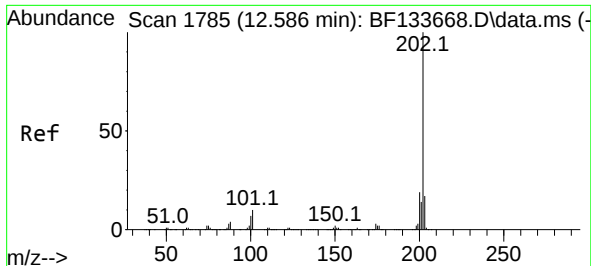
Tgt Ion:178 Resp: 120101
Ion Ratio Lower Upper
178 100
176 20.7 15.6 23.4
179 14.9 12.4 18.6



#72
Anthracene
Concen: 2.097 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Tgt Ion:178 Resp: 27945
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 13.3 12.6 18.8

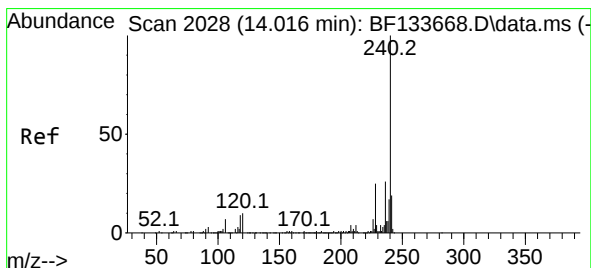
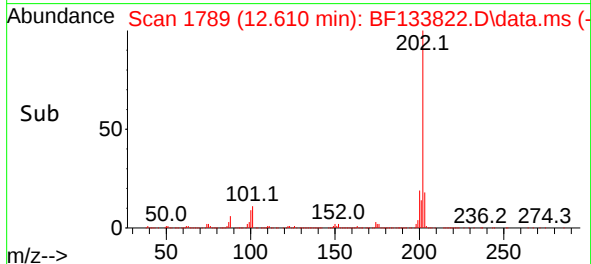
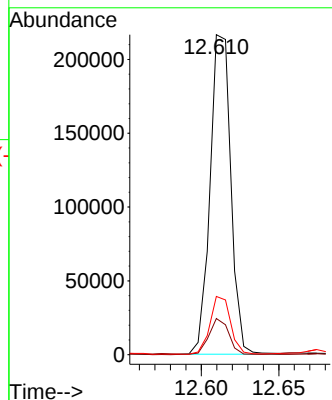
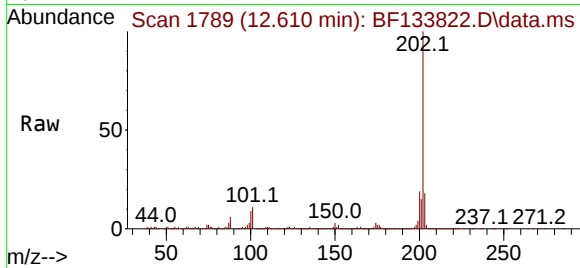




#75
Fluoranthene
Concen: 14.895 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

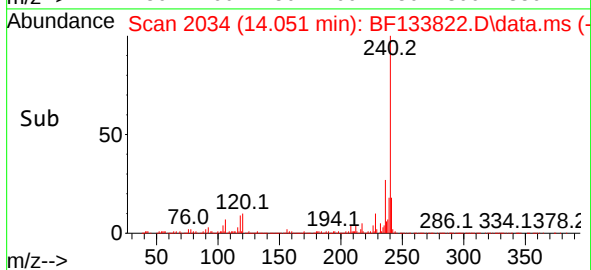
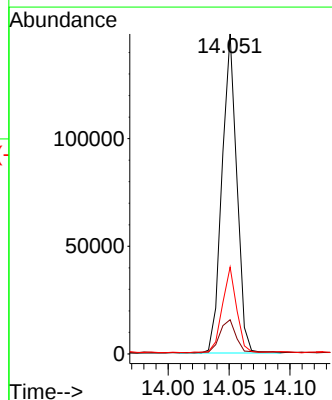
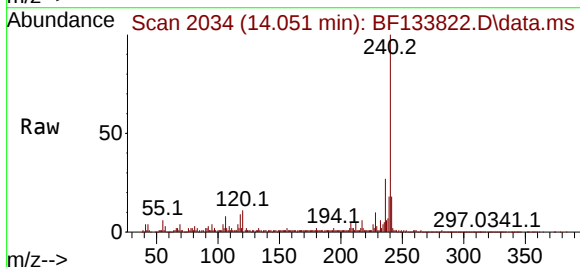
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05

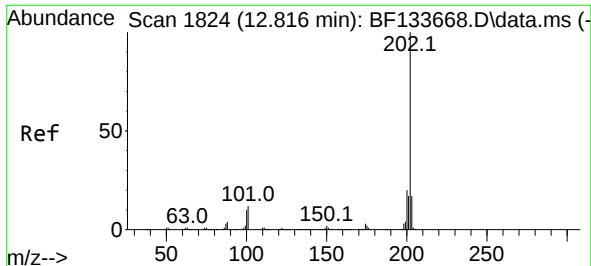
Tgt Ion:202 Resp: 202143
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.6
203 18.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Tgt Ion:240 Resp: 126233
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 27.2 20.5 30.7

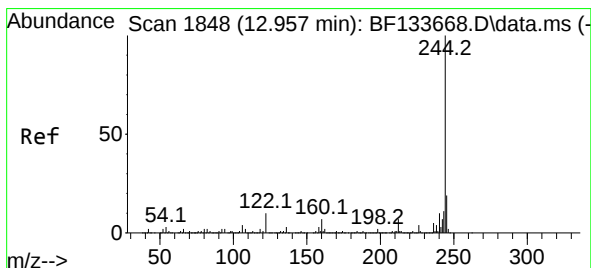
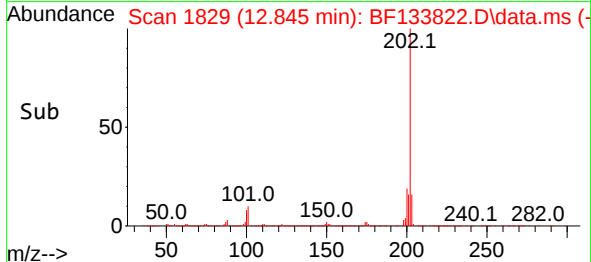
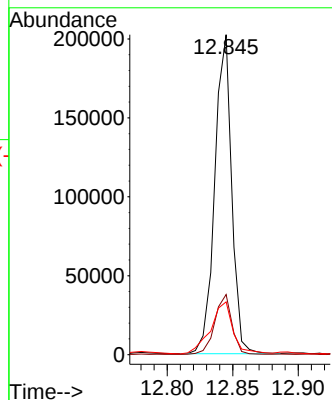
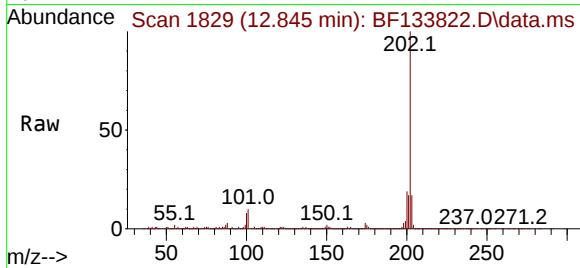




#78
Pyrene
Concen: 15.388 ng
RT: 12.845 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

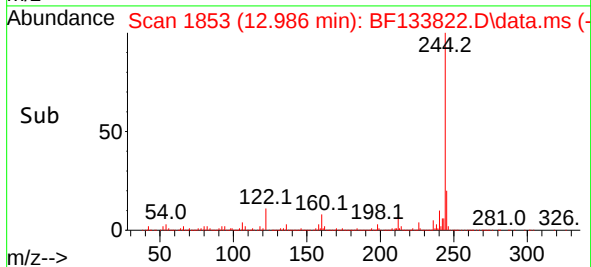
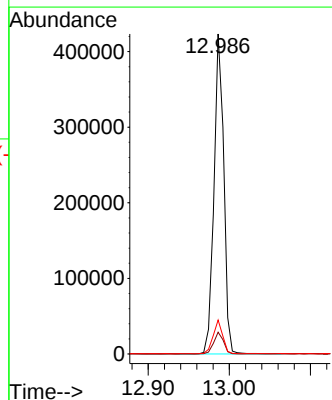
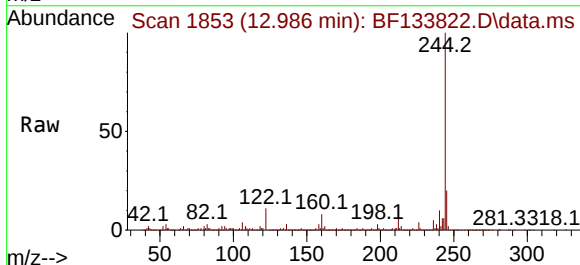
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05

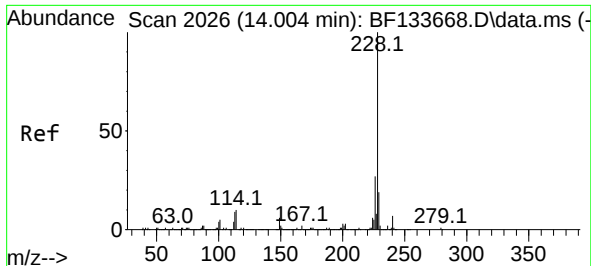
Tgt Ion:202 Resp: 180951
Ion Ratio Lower Upper
202 100
200 18.8 16.2 24.2
203 16.5 13.9 20.9



#79
Terphenyl-d14
Concen: 43.341 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Tgt Ion:244 Resp: 353580
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 10.6 8.1 12.1

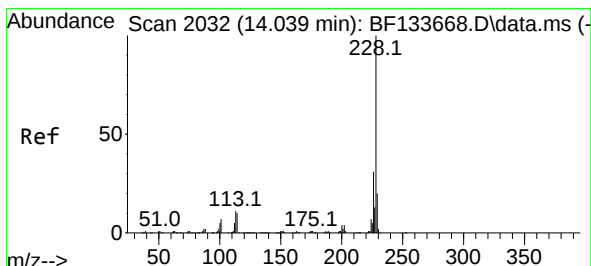
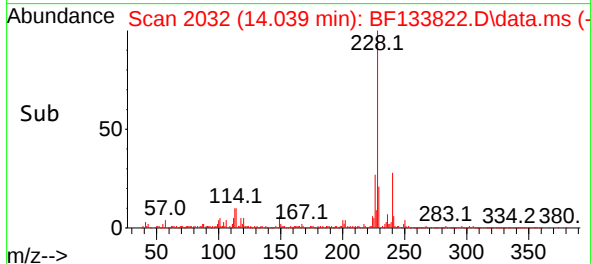
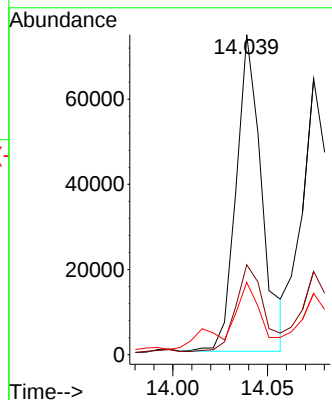
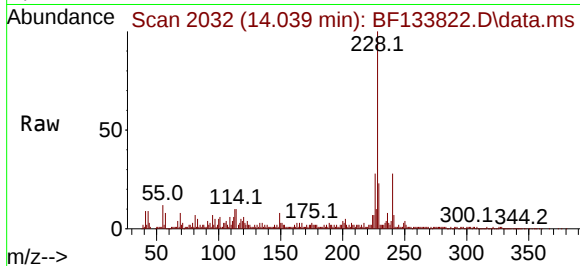




#81
Benzo(a)anthracene
Concen: 7.982 ng
RT: 14.039 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

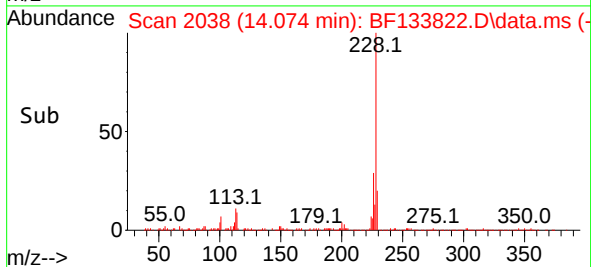
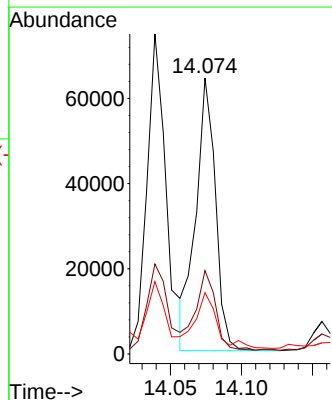
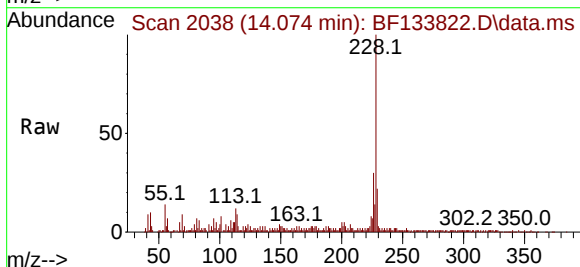
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05

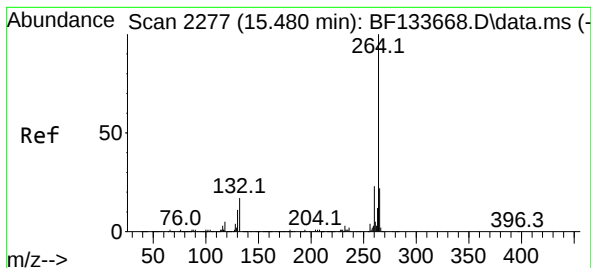
Tgt Ion:228 Resp: 69696
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 22.6 15.4 23.2



#83
Chrysene
Concen: 7.490 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133822.D
Acq: 16 Jun 2023 23:37

Tgt Ion:228 Resp: 61859
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05

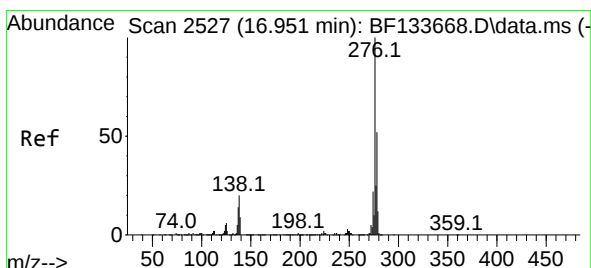
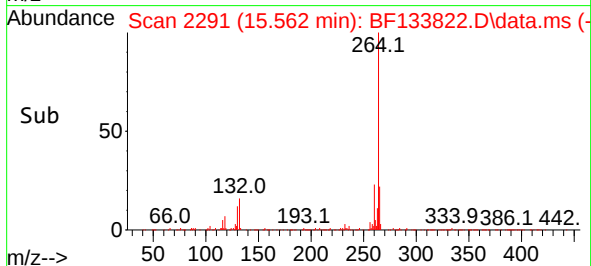
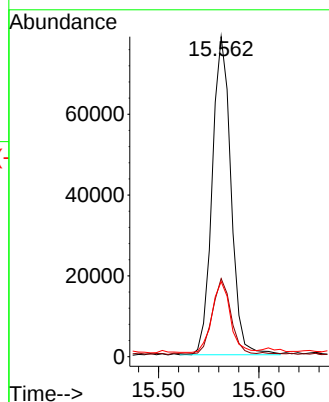
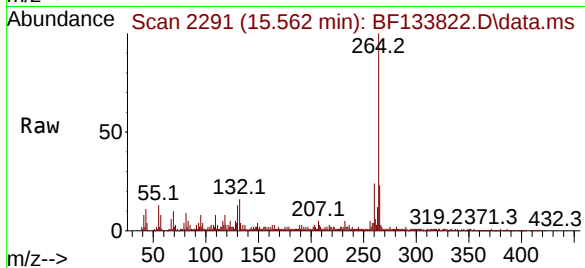
Tgt Ion:264 Resp: 102263

Ion Ratio Lower Upper

264 100

260 24.4 18.2 27.2

265 23.4 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.932 ng

RT: 17.109 min Scan# 2554

Delta R.T. -0.006 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

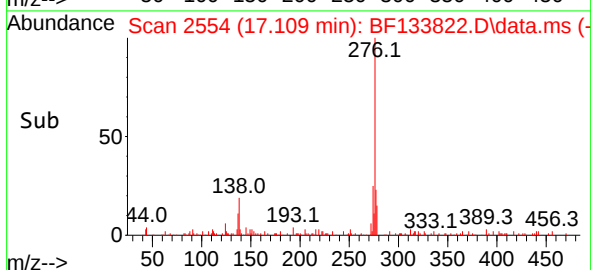
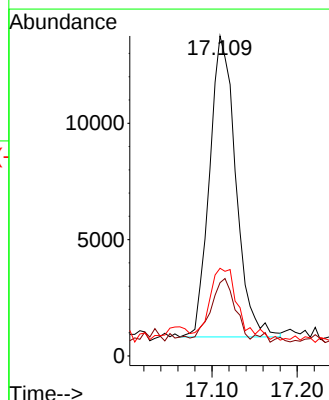
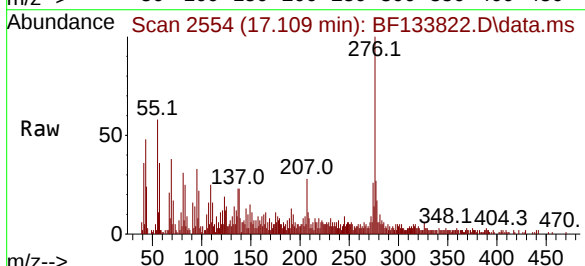
Tgt Ion:276 Resp: 27661

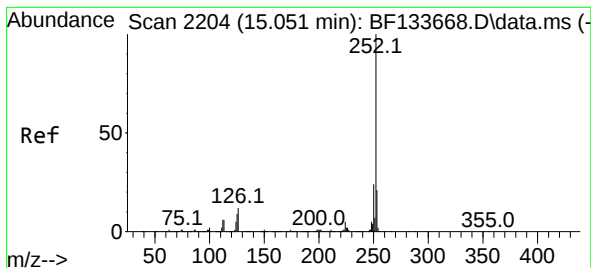
Ion Ratio Lower Upper

276 100

138 20.3 17.9 26.9

277 26.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 14.565 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05

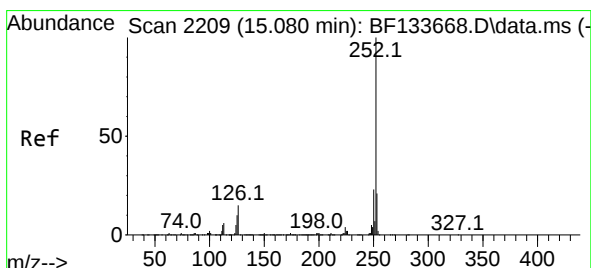
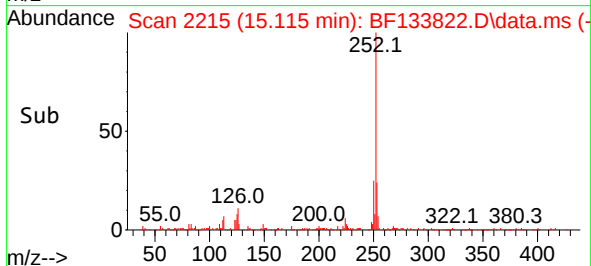
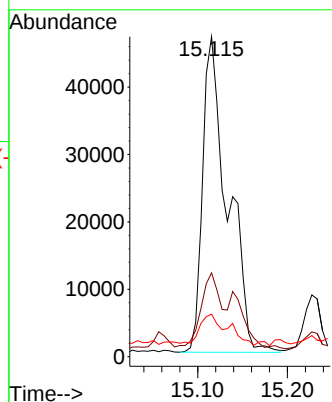
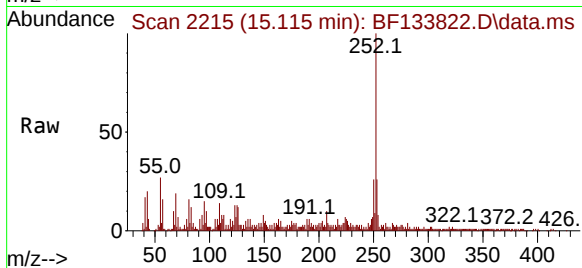
Tgt Ion:252 Resp: 90481

Ion Ratio Lower Upper

252 100

253 26.2 17.0 25.6#

125 13.3 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 14.952 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.029 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

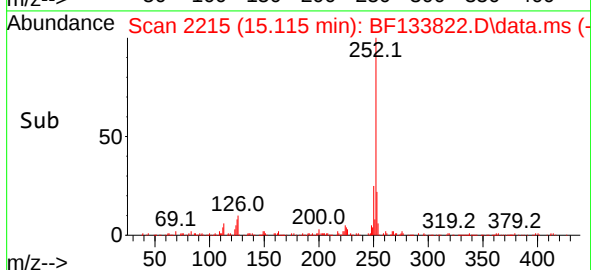
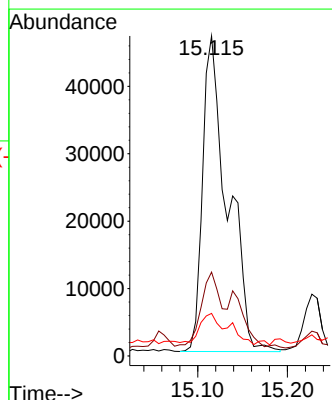
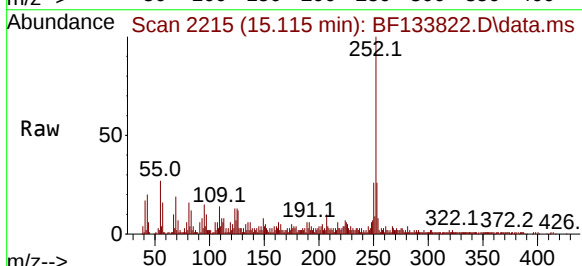
Tgt Ion:252 Resp: 90481

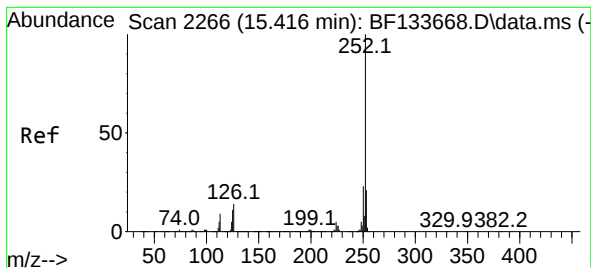
Ion Ratio Lower Upper

252 100

253 26.2 17.0 25.4#

125 13.3 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 7.865 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05

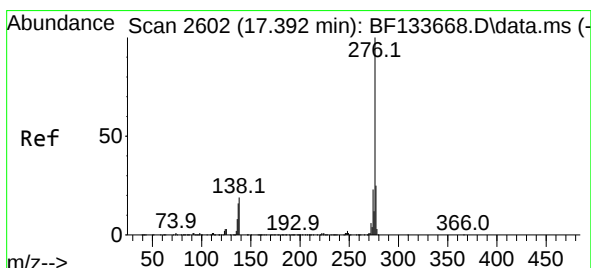
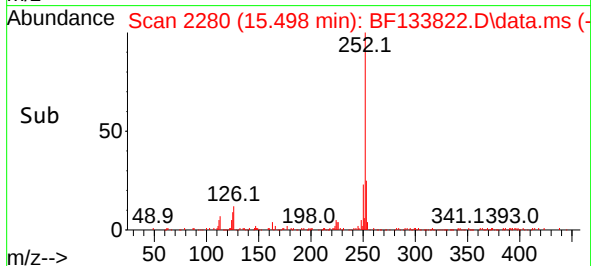
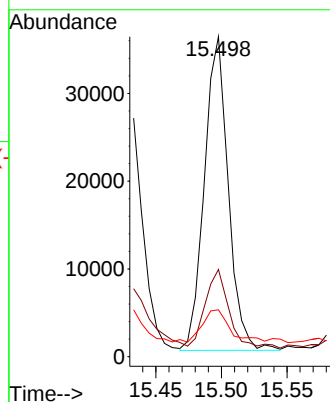
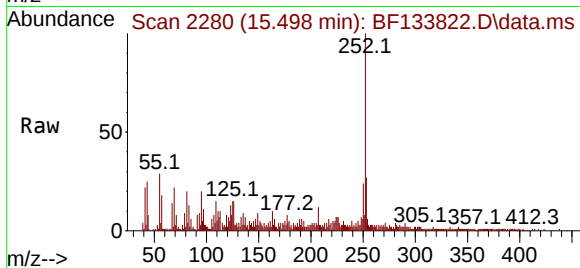
Tgt Ion:252 Resp: 45346

Ion Ratio Lower Upper

252 100

253 27.3 17.1 25.7#

125 14.7 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 4.861 ng

RT: 17.586 min Scan# 2635

Delta R.T. -0.006 min

Lab File: BF133822.D

Acq: 16 Jun 2023 23:37

Tgt Ion:276 Resp: 28070

Ion Ratio Lower Upper

276 100

277 29.4 19.8 29.8

138 23.4 15.0 22.4#

