

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121621\
 Data File : BF126213.D
 Acq On : 16 Dec 2021 15:53
 Operator : JU/CG
 Sample : M5073-04 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 16 16:22:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

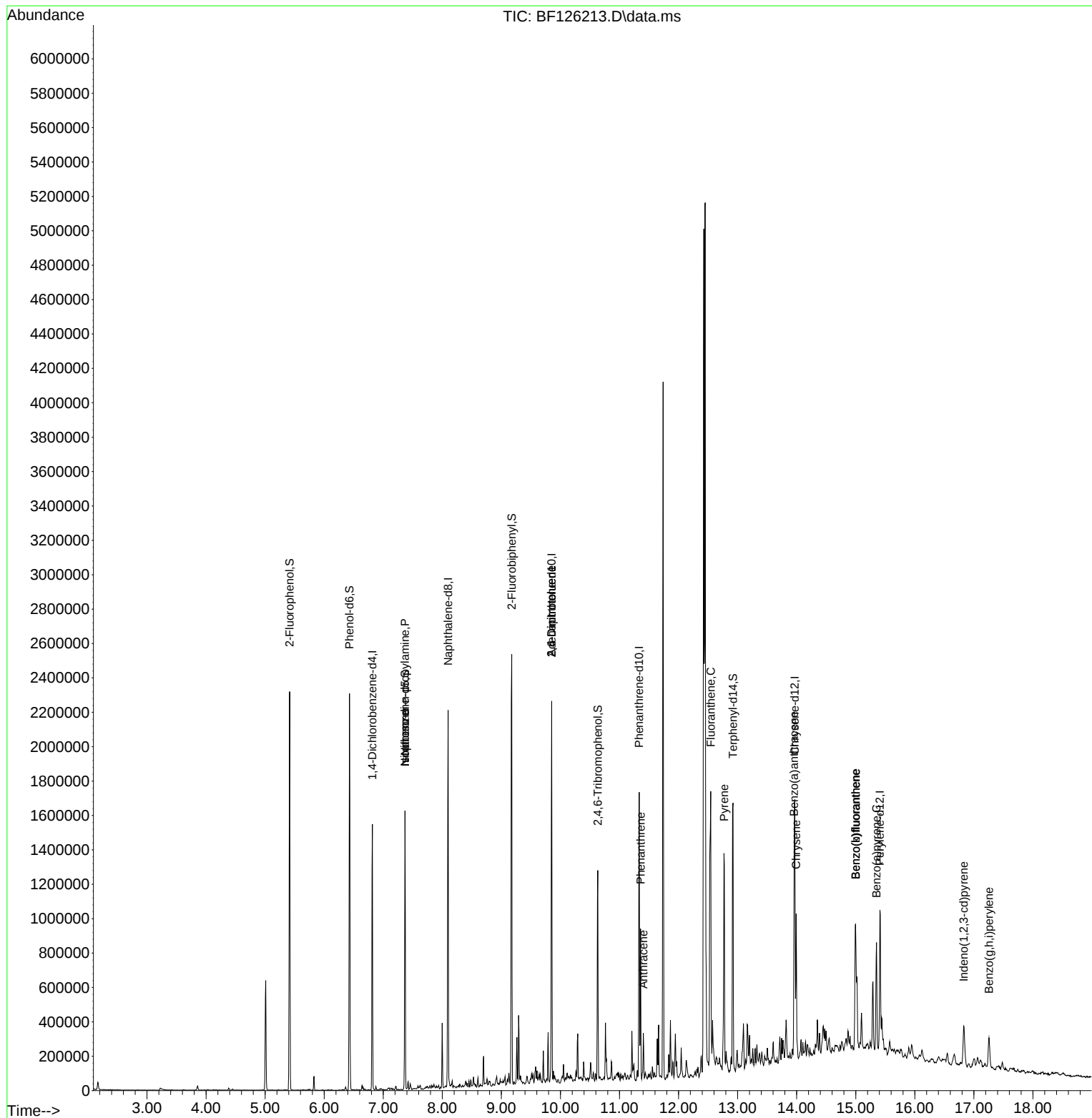
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	209332	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	882305	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	406133	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	556461	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	390587	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	345033	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	620424	43.647	ng	0.00
7) Phenol-d6	6.428	99	773899	42.878	ng	-0.02
23) Nitrobenzene-d5	7.369	82	475690	29.200	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	122460	37.520	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	728939	31.479	ng	0.00
79) Terphenyl-d14	12.921	244	499885	22.245	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	58690	5.297	ng	# 55
25) Isophorone	7.369	82	450560	14.646	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	53331	9.577	ng	# 28
57) 2,4-Dinitrotoluene	9.851	165	53331	7.508	ng	# 20
71) Phenanthrene	11.357	178	280911	9.781	ng	98
72) Anthracene	11.404	178	83578	2.899	ng	98
75) Fluoranthene	12.545	202	545413	21.077	ng	92
78) Pyrene	12.774	202	494674	13.785	ng	97
81) Benzo(a)anthracene	13.957	228	322870	13.955	ng	97
83) Chrysene	13.992	228	278228	11.574	ng	96
87) Indeno(1,2,3-cd)pyrene	16.827	276	145067	6.303	ng	97
88) Benzo(b)fluoranthene	14.998	252	543149	26.199	ng	# 95
89) Benzo(k)fluoranthene	14.998	252	543149	27.387	ng	# 94
90) Benzo(a)pyrene	15.351	252	273308	15.862	ng	# 94
92) Benzo(g,h,i)perylene	17.256	276	126059	6.512	ng	# 91

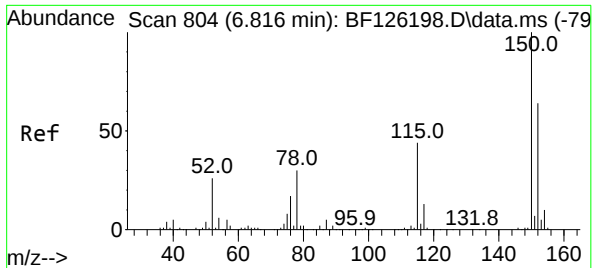
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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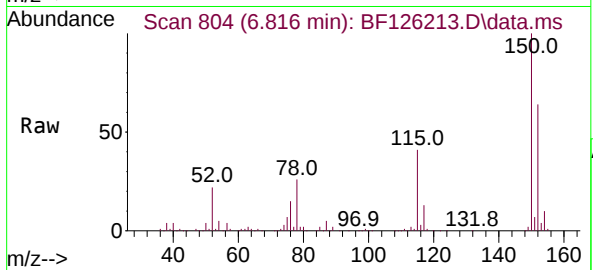
Quant Time: Dec 16 16:22:27 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration



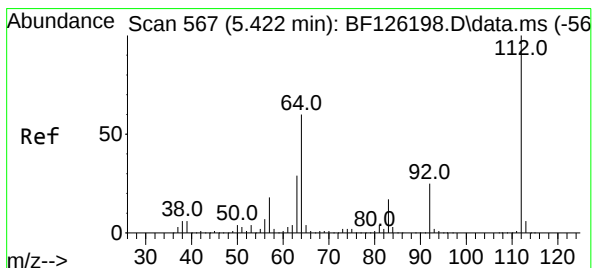
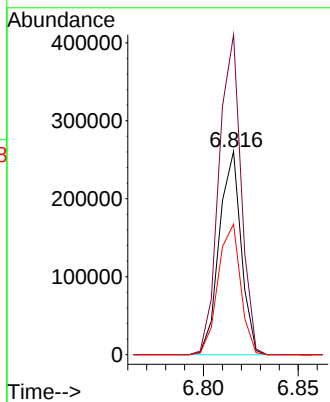
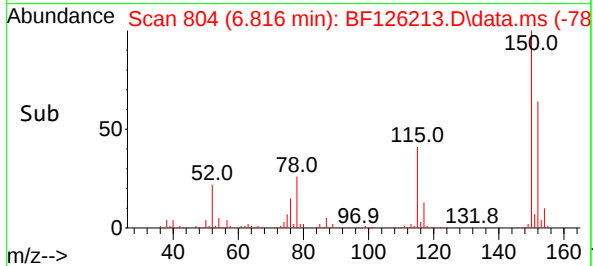


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. -0.000 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53

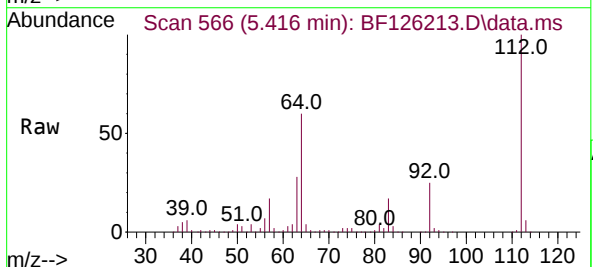
Instrument :
 BNA_F
 ClientSampleId :



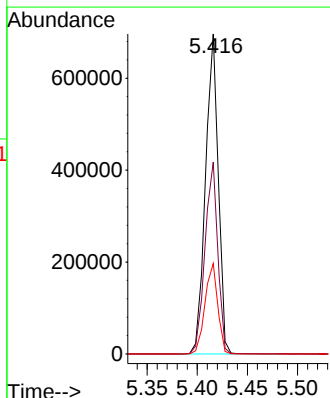
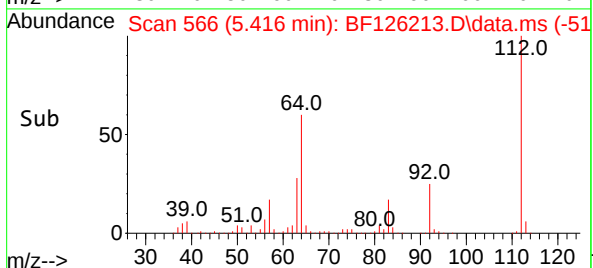
Tgt Ion:152 Resp: 209332
 Ion Ratio Lower Upper
 152 100
 150 157.4 117.6 176.4
 115 64.2 47.1 70.7

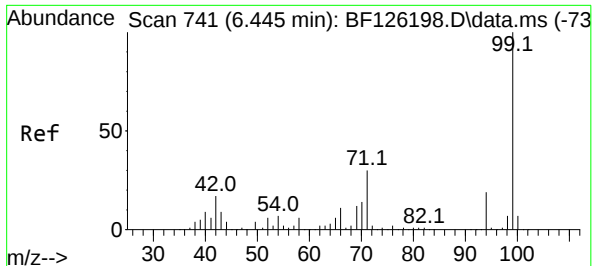


#5
 2-Fluorophenol
 Concen: 43.647 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.006 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53



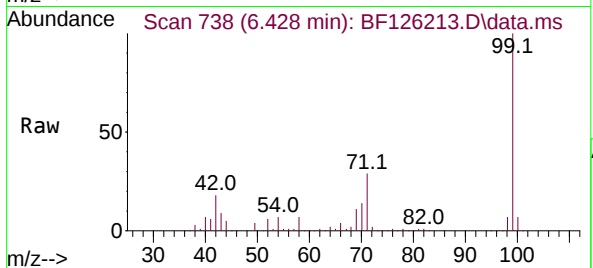
Tgt Ion:112 Resp: 620424
 Ion Ratio Lower Upper
 112 100
 64 60.0 44.2 66.2
 63 28.2 26.2 39.2



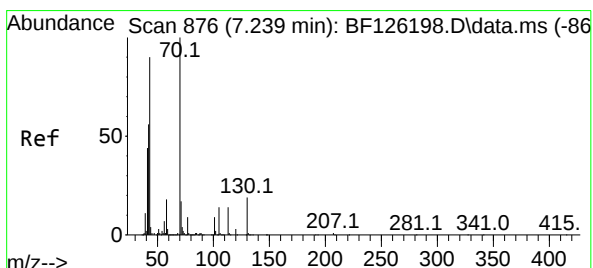
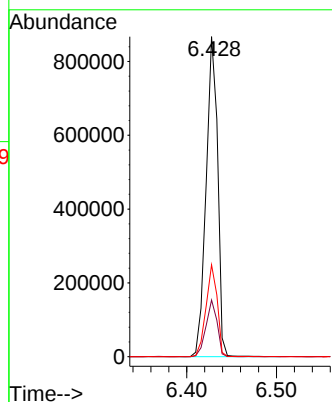
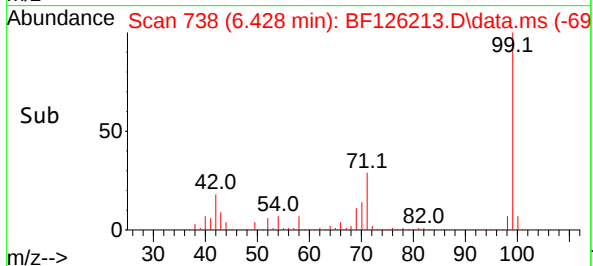


#7
Phenol-d6
Concen: 42.878 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

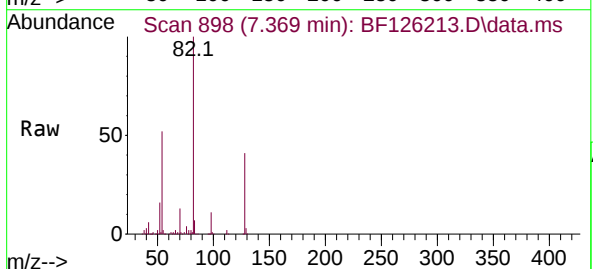
Instrument :
BNA_F
ClientSampleId :



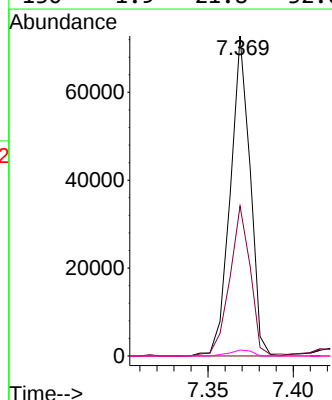
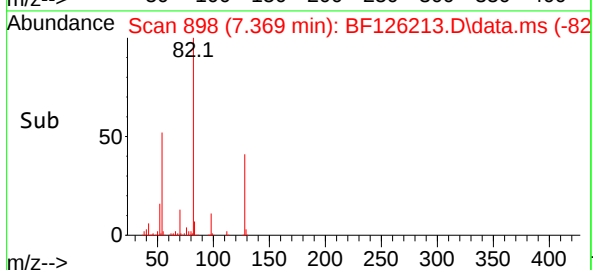
Tgt Ion: 99 Resp: 773899
Ion Ratio Lower Upper
99 100
42 17.7 23.5 35.3#
71 28.7 25.6 38.4

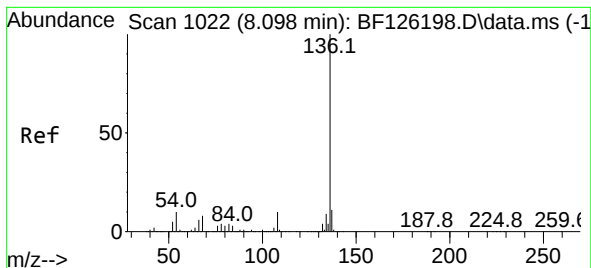


#19
n-Nitroso-di-n-propylamine
Concen: 5.297 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.129 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53



Tgt Ion: 70 Resp: 58690
Ion Ratio Lower Upper
70 100
42 46.9 72.2 108.2#
101 0.0 7.8 11.8#
130 1.9 21.8 32.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1

Delta R.T. 0.000 min

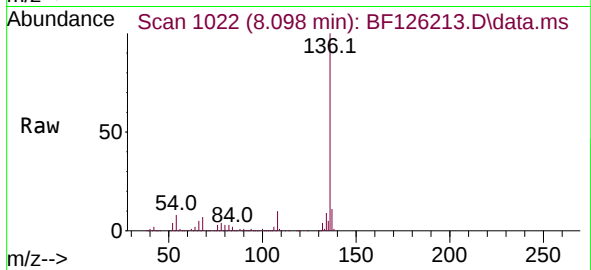
Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 882305

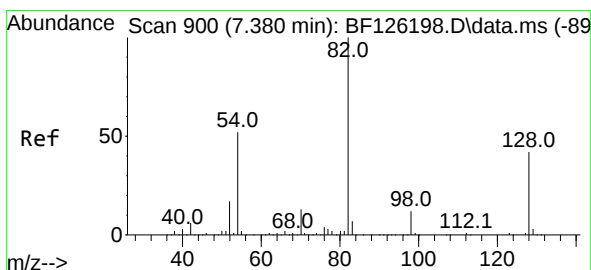
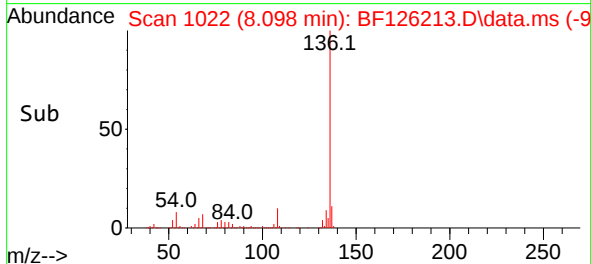
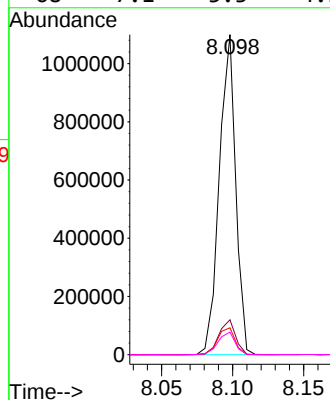
Ion Ratio Lower Upper

136 100

137 10.9 9.8 14.6

54 8.4 6.4 9.6

68 7.1 3.3 4.9#



#23

Nitrobenzene-d5

Concen: 29.200 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

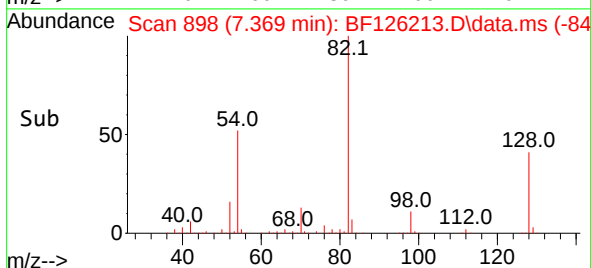
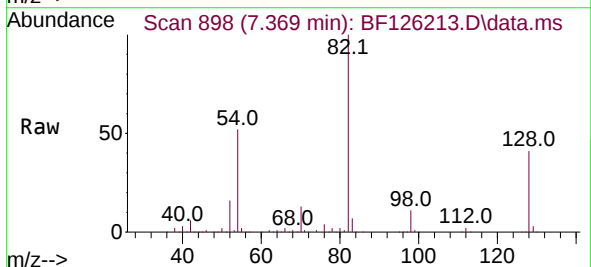
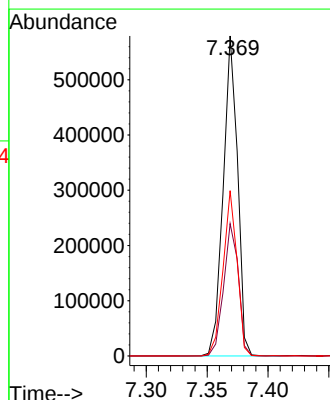
Tgt Ion: 82 Resp: 475690

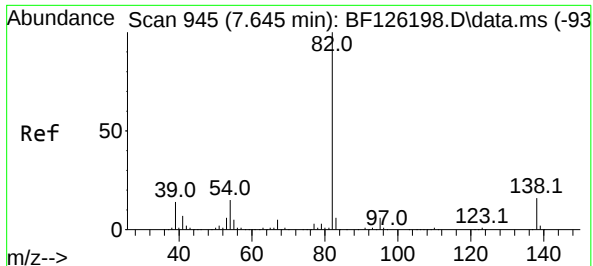
Ion Ratio Lower Upper

82 100

128 41.3 40.6 60.8

54 51.6 49.6 74.4

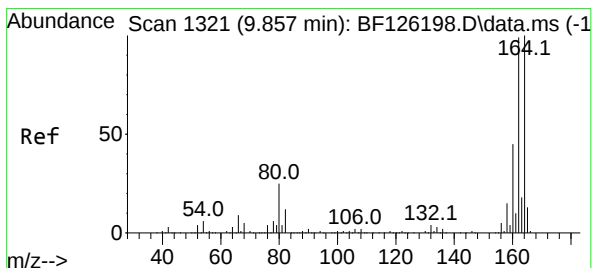
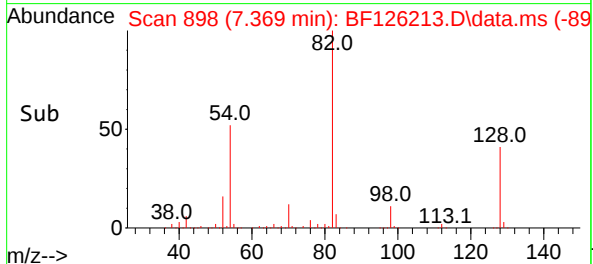
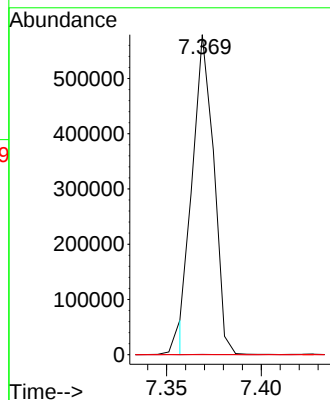
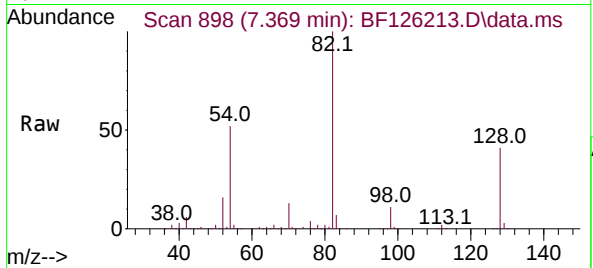




#25
Isophorone
Concen: 14.646 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

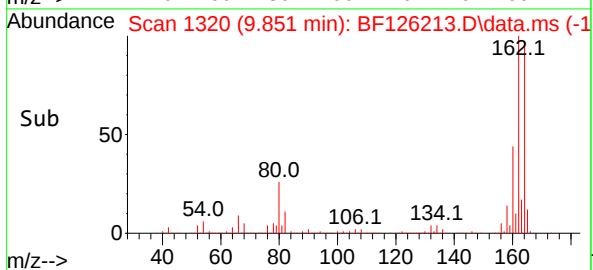
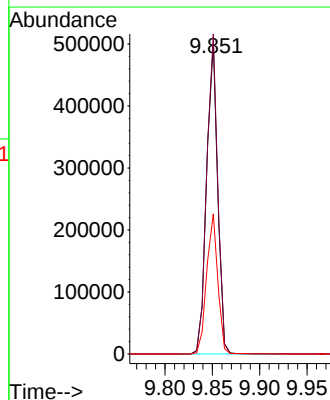
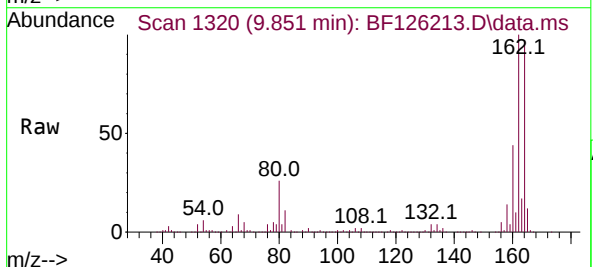
Instrument :
BNA_F
ClientSampleId :

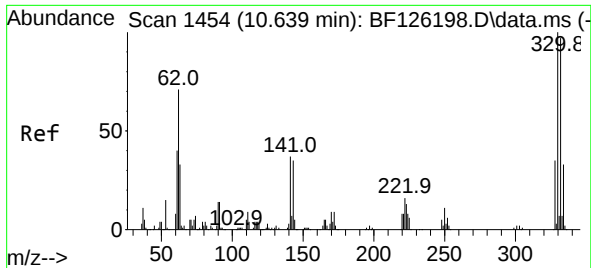
Tgt Ion: 82 Resp: 450560
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

Tgt Ion: 164 Resp: 406133
Ion Ratio Lower Upper
164 100
162 103.1 81.3 121.9
160 45.2 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 37.520 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

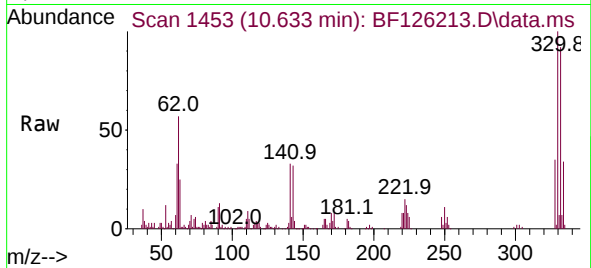
Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

Instrument :

BNA_F

ClientSampleId :



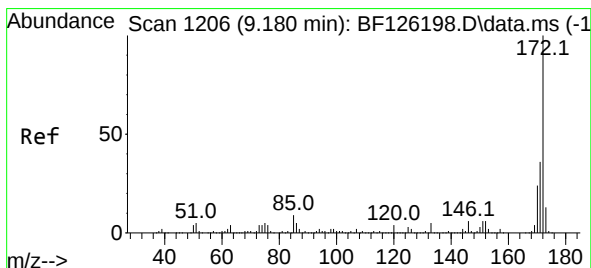
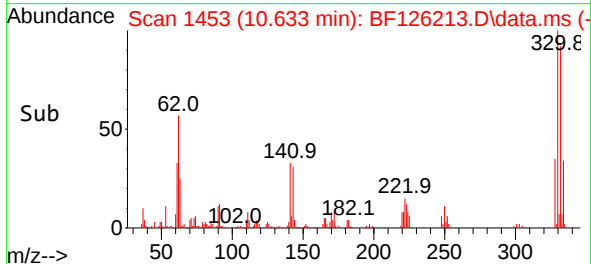
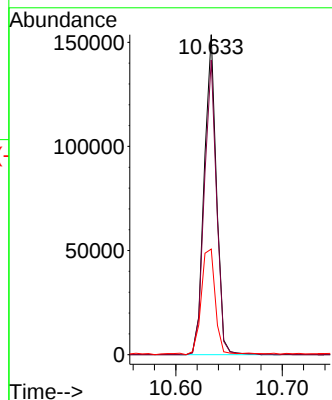
Tgt Ion:330 Resp: 122460

Ion Ratio Lower Upper

330 100

332 92.7 76.2 114.4

141 38.0 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 31.479 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

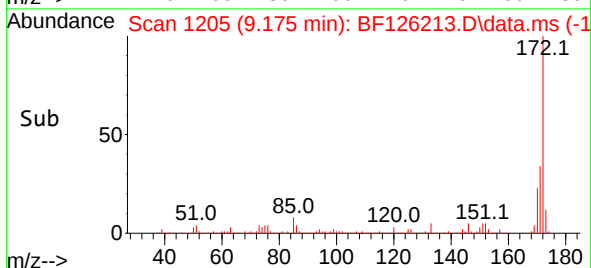
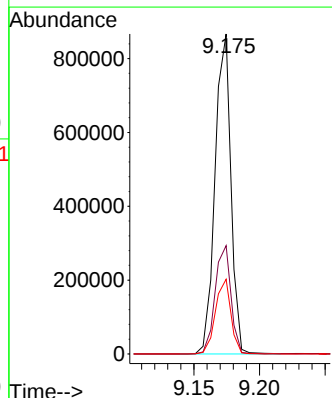
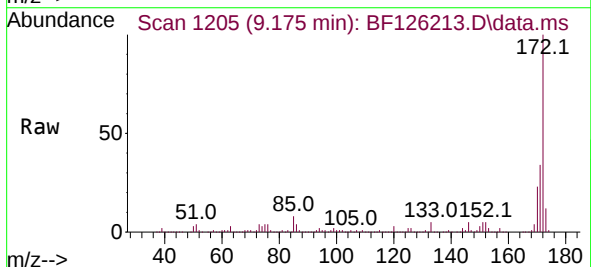
Tgt Ion:172 Resp: 728939

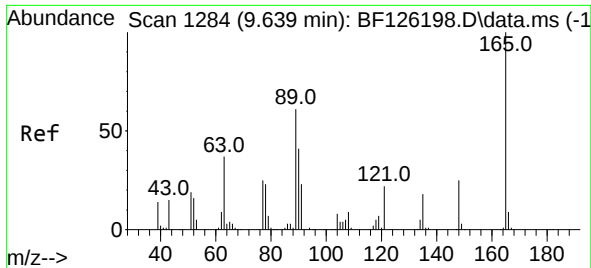
Ion Ratio Lower Upper

172 100

171 33.9 26.5 39.7

170 23.4 18.8 28.2

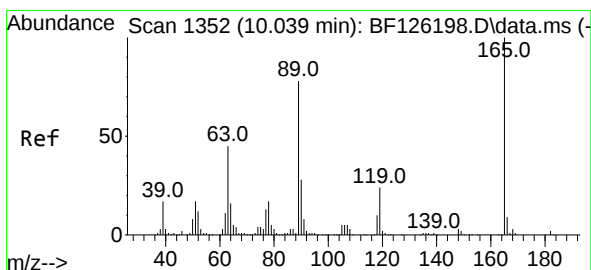
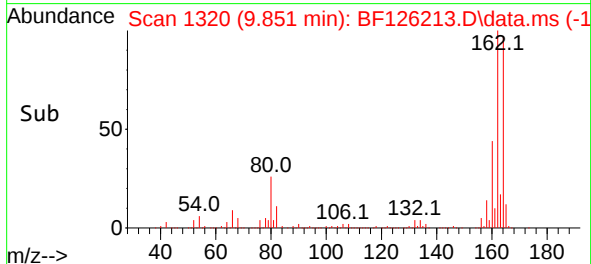
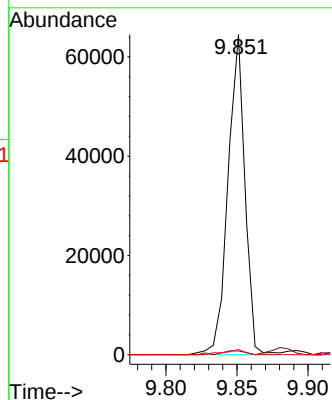
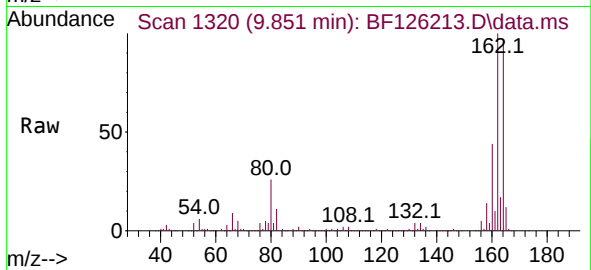




#51
2,6-Dinitrotoluene
Concen: 9.577 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

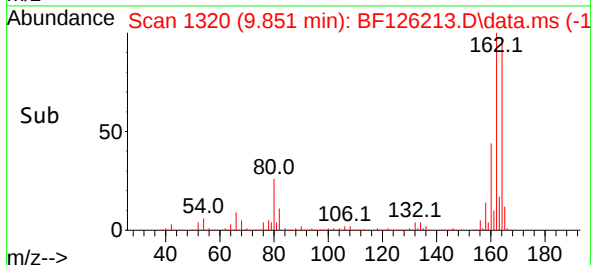
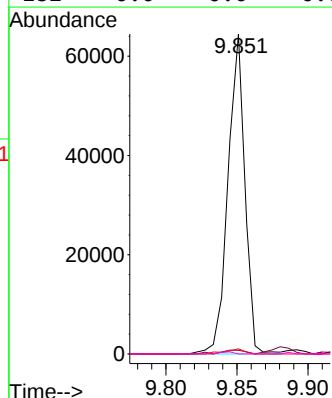
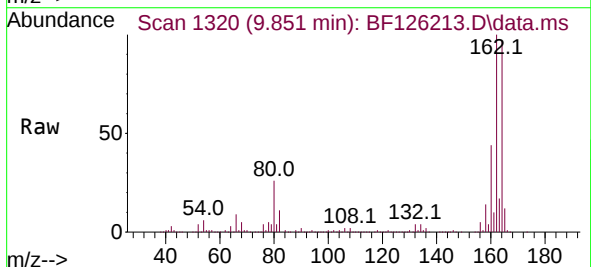
Instrument :
BNA_F
ClientSampleId :

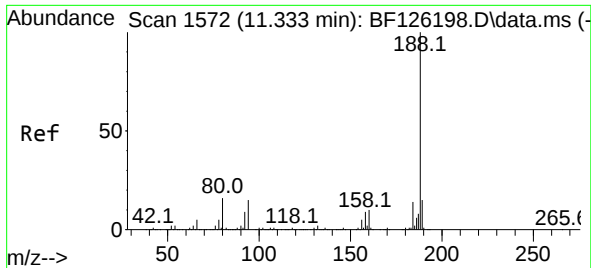
Tgt Ion:165 Resp: 53331
Ion Ratio Lower Upper
165 100
63 1.2 42.6 63.8#
89 1.6 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.508 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

Tgt Ion:165 Resp: 53331
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 1.6 59.7 89.5#
182 0.0 0.0 0.0

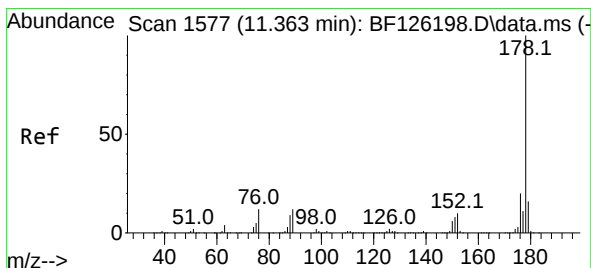
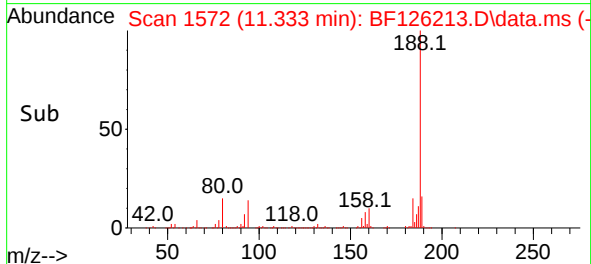
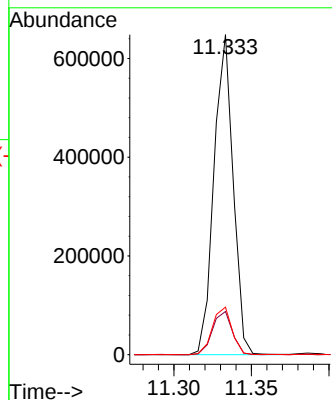
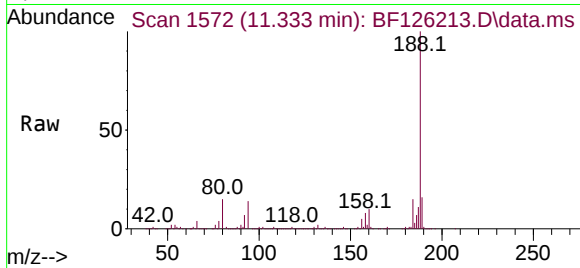




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

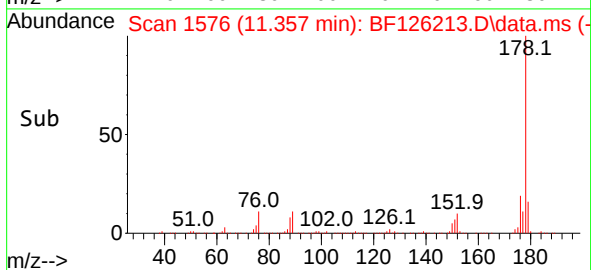
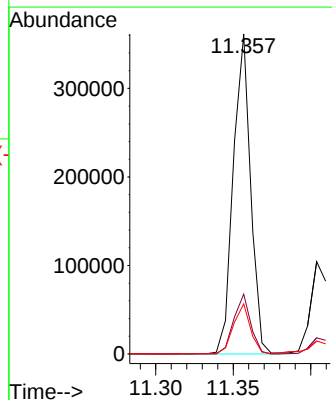
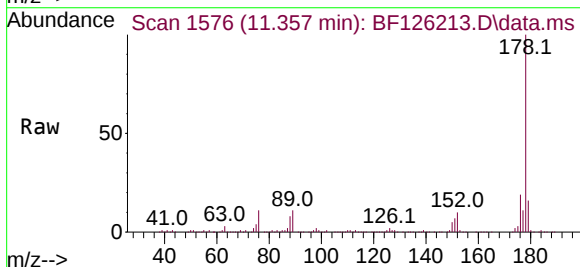
Instrument :
BNA_F
ClientSampleId :

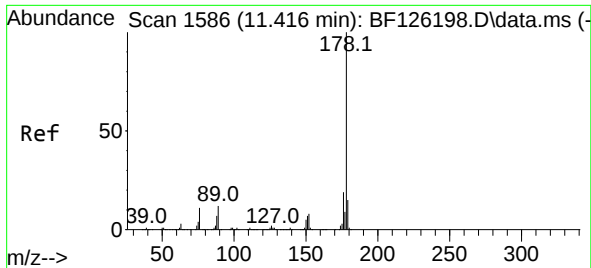
Tgt Ion:188 Resp: 556461
Ion Ratio Lower Upper
188 100
94 13.5 6.7 10.1#
80 14.9 7.5 11.3#



#71
Phenanthrene
Concen: 9.781 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

Tgt Ion:178 Resp: 280911
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.6 11.5 17.3

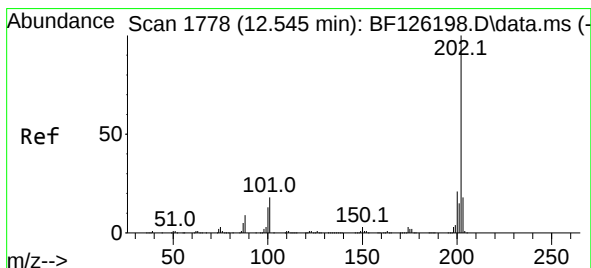
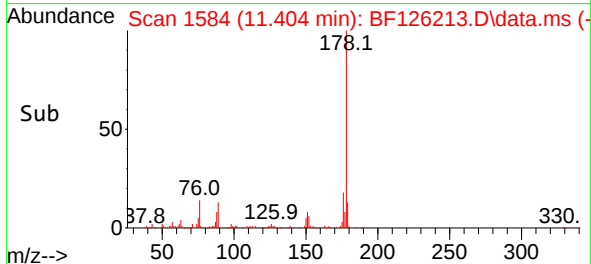
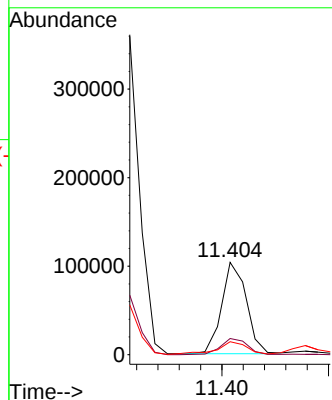
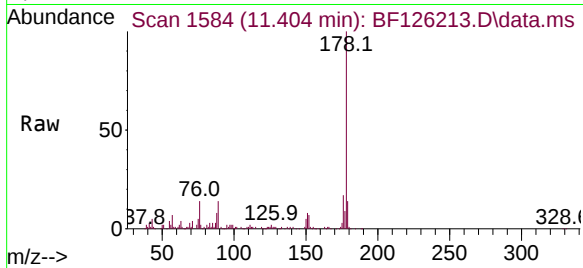




#72
 Anthracene
 Concen: 2.899 ng
 RT: 11.404 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53

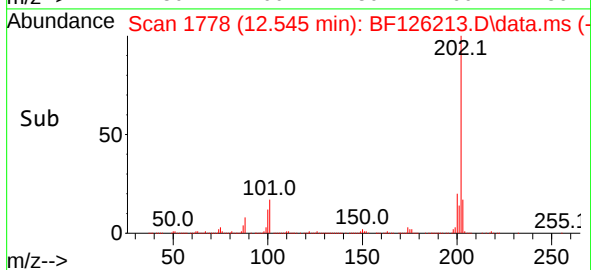
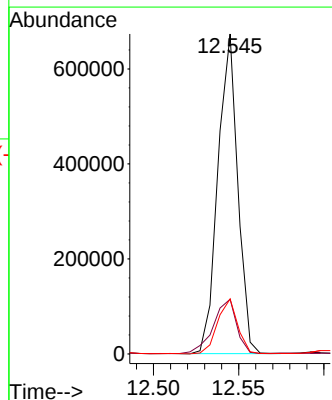
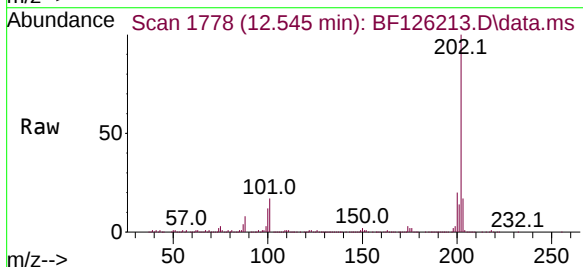
Instrument :
 BNA_F
 ClientSampleId :

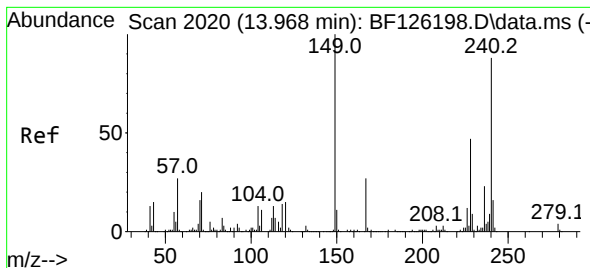
Tgt Ion:178 Resp: 83578
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.3 21.5
 179 14.0 12.2 18.4



#75
 Fluoranthene
 Concen: 21.077 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.000 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53

Tgt Ion:202 Resp: 545413
 Ion Ratio Lower Upper
 202 100
 101 17.1 0.0 30.7
 203 17.2 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

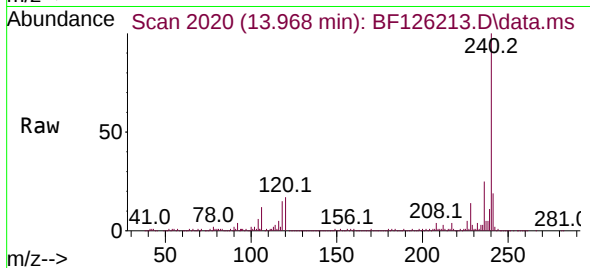
Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

Instrument :

BNA_F

ClientSampleId :



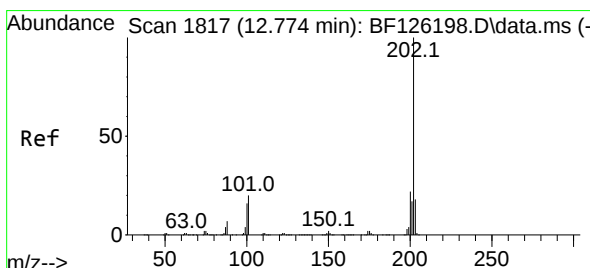
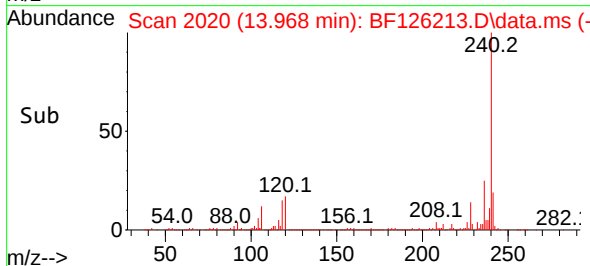
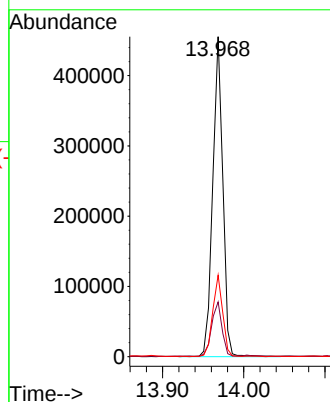
Tgt Ion:240 Resp: 390587

Ion Ratio Lower Upper

240 100

120 17.1 10.8 16.2#

236 25.5 21.6 32.4



#78

Pyrene

Concen: 13.785 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

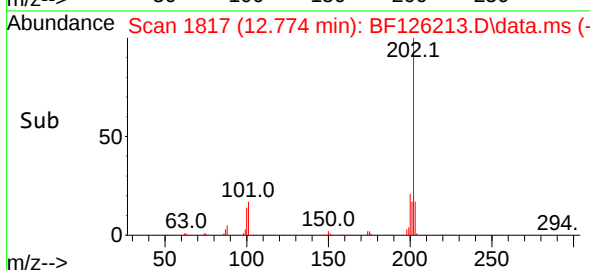
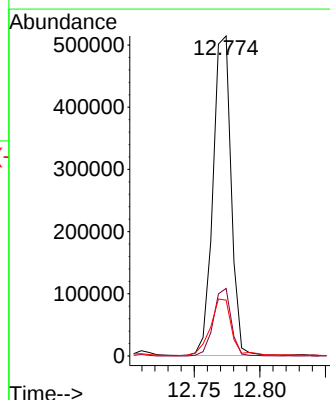
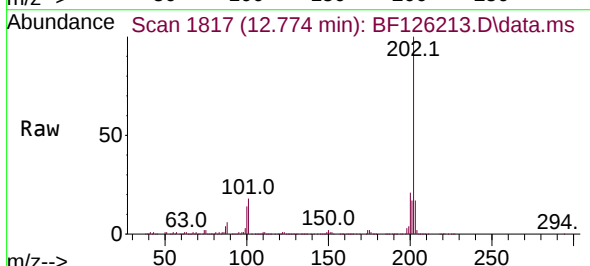
Tgt Ion:202 Resp: 494674

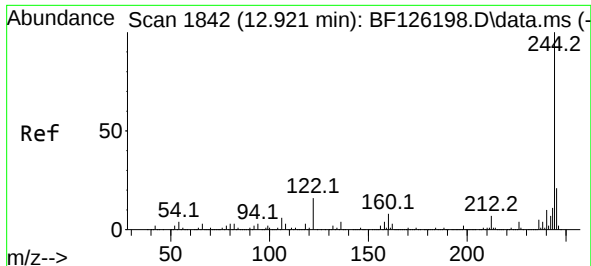
Ion Ratio Lower Upper

202 100

200 21.1 15.3 22.9

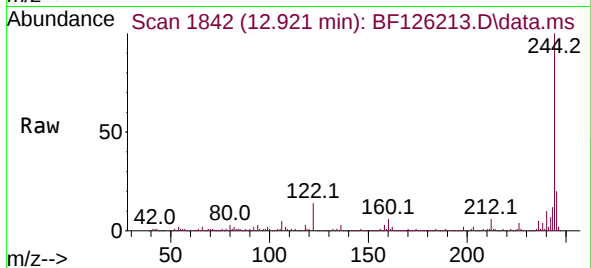
203 17.5 13.4 20.0



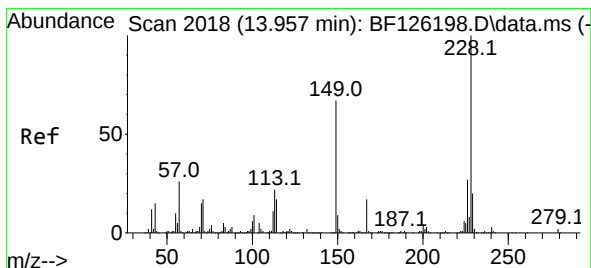
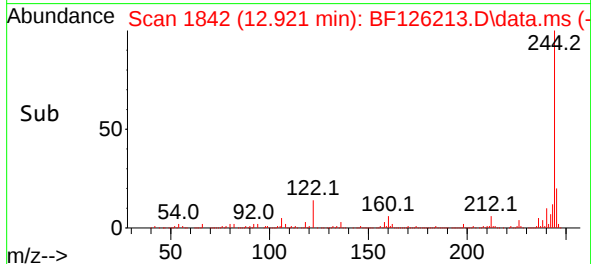
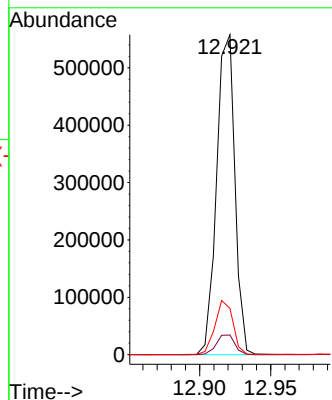


#79
 Terphenyl-d14
 Concen: 22.245 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53

Instrument :
 BNA_F
 ClientSampleId :

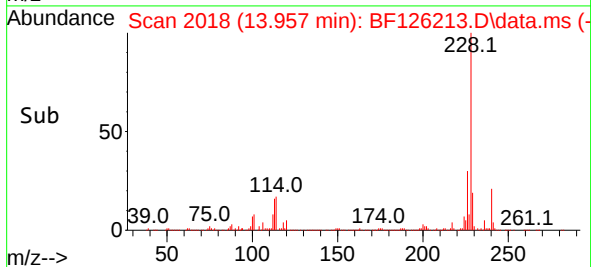
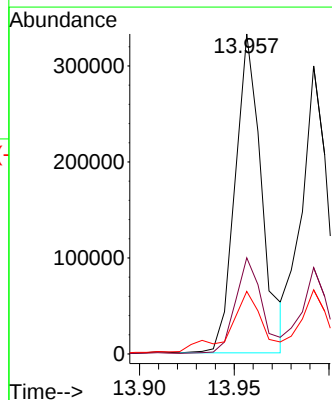
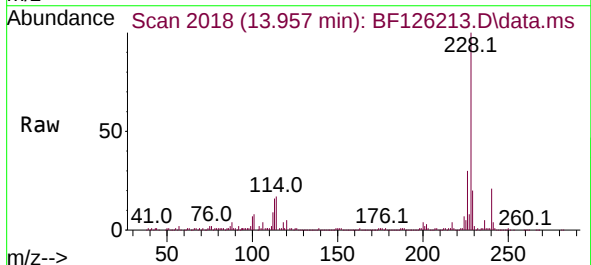


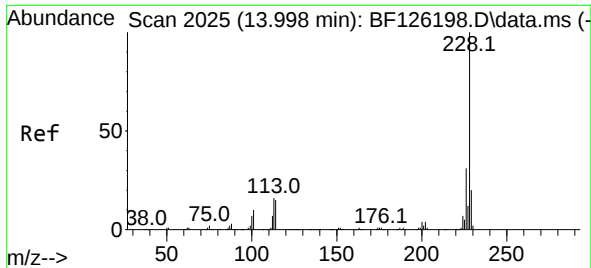
Tgt Ion:244 Resp: 499885
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.9 8.9
 122 14.4 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 13.955 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53

Tgt Ion:228 Resp: 322870
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.6 32.4
 229 19.5 15.6 23.4

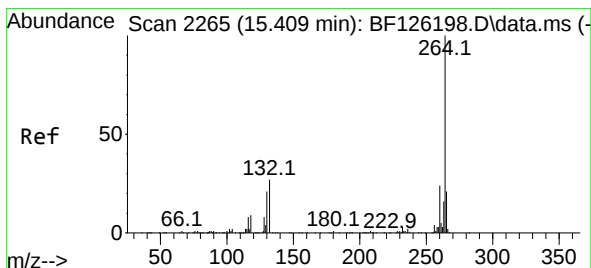
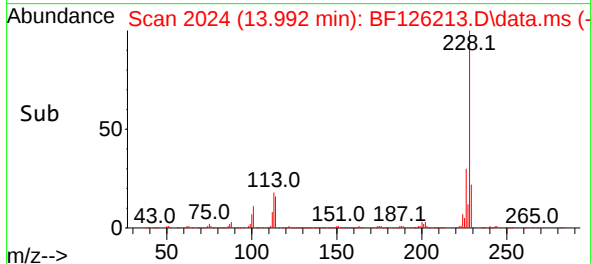
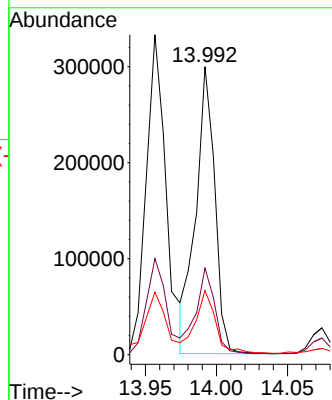
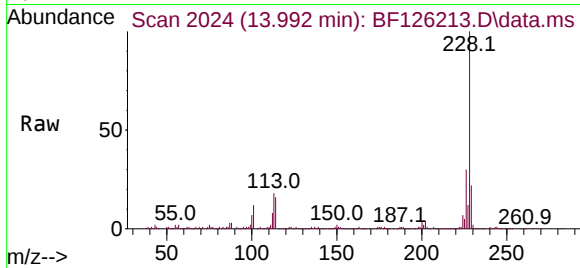




#83
Chrysene
Concen: 11.574 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

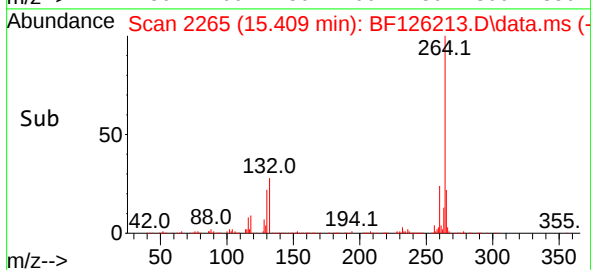
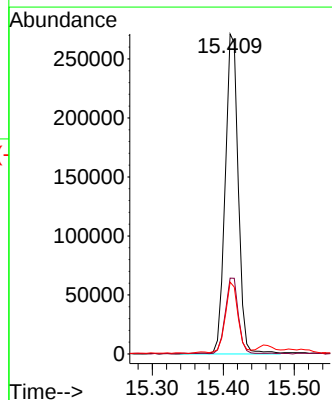
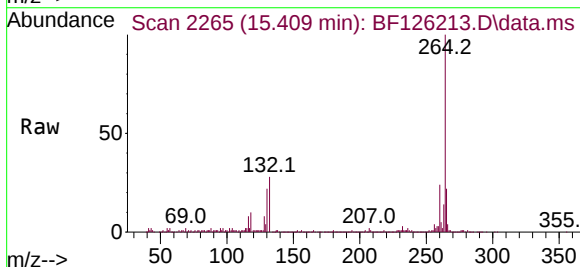
Instrument :
BNA_F
ClientSampleId :

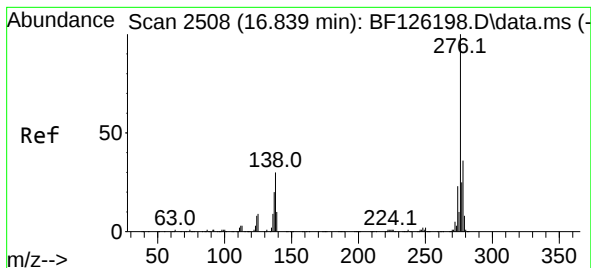
Tgt Ion:228 Resp: 278228
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 22.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

Tgt Ion:264 Resp: 345033
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 22.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.303 ng

RT: 16.827 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

Instrument :

BNA_F

ClientSampleId :

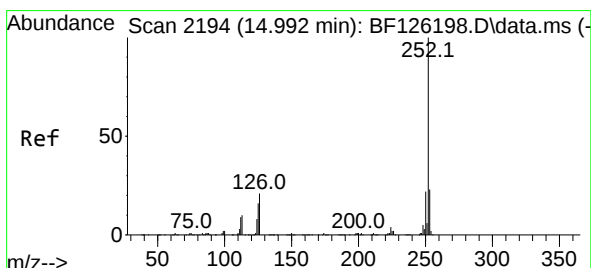
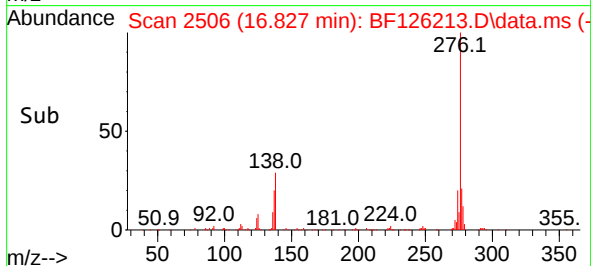
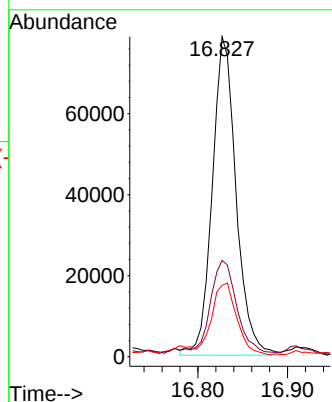
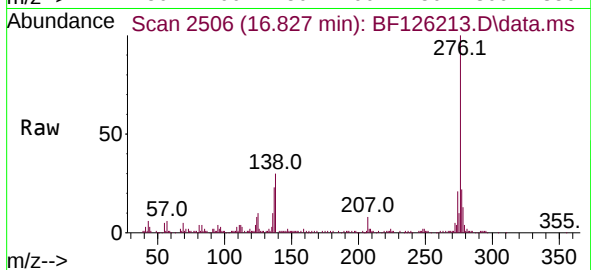
Tgt Ion:276 Resp: 145067

Ion Ratio Lower Upper

276 100

138 32.8 24.1 36.1

277 23.5 18.8 28.2



#88

Benzo(b)fluoranthene

Concen: 26.199 ng

RT: 14.998 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

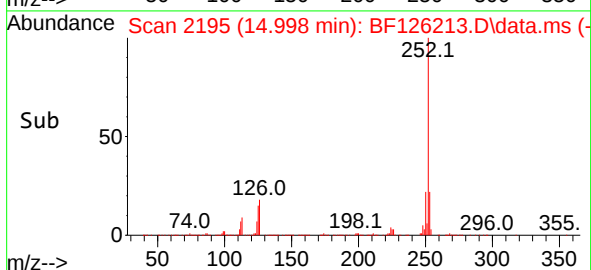
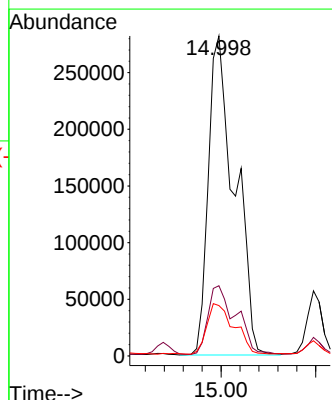
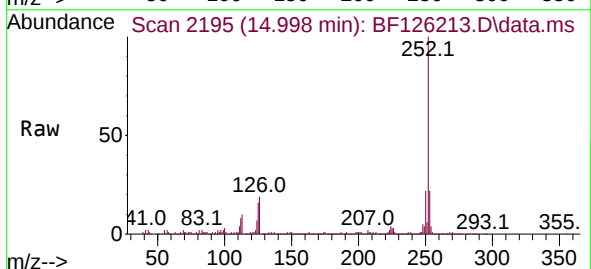
Tgt Ion:252 Resp: 543149

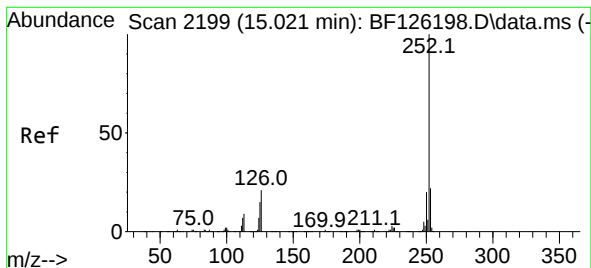
Ion Ratio Lower Upper

252 100

253 22.0 16.8 25.2

125 15.8 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 27.387 ng

RT: 14.998 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

Instrument :

BNA_F

ClientSampleId :

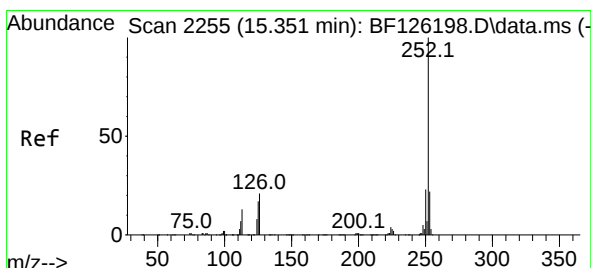
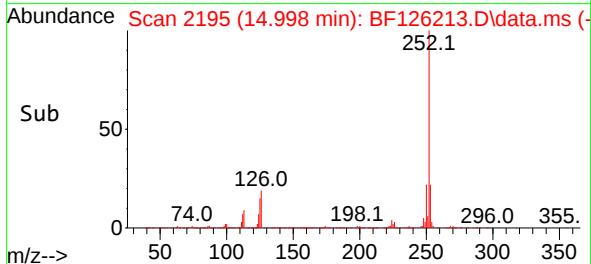
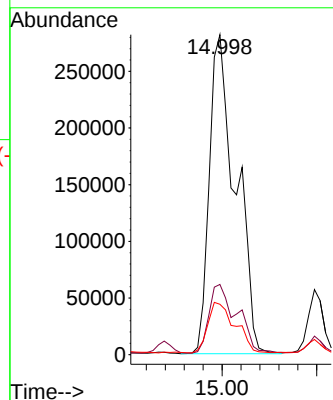
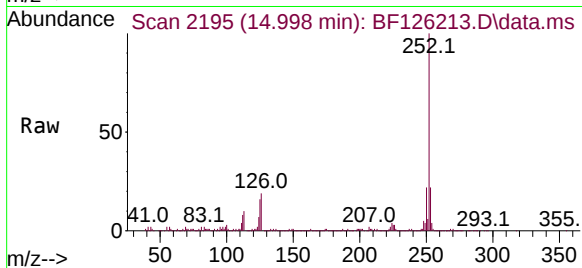
Tgt Ion:252 Resp: 543149

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 15.8 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 15.862 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.000 min

Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

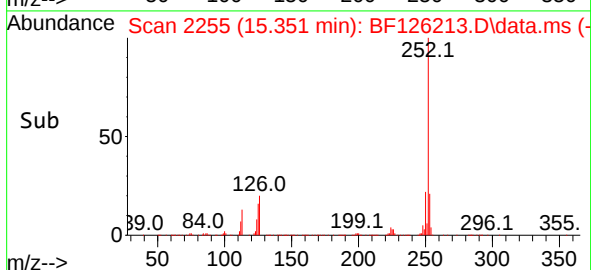
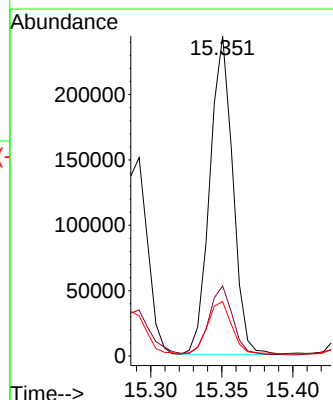
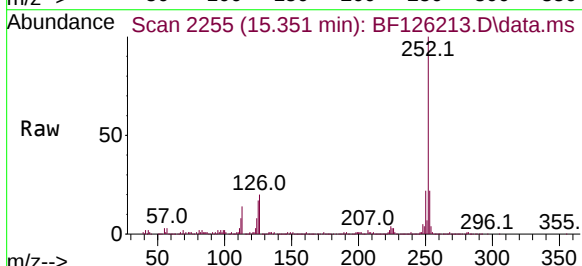
Tgt Ion:252 Resp: 273308

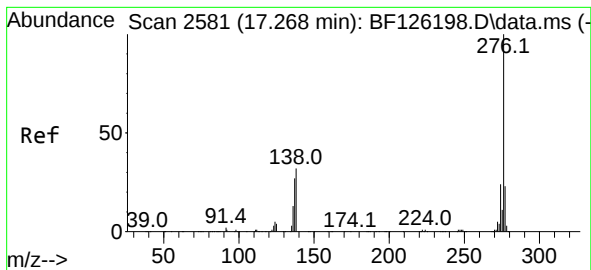
Ion Ratio Lower Upper

252 100

253 21.9 18.4 27.6

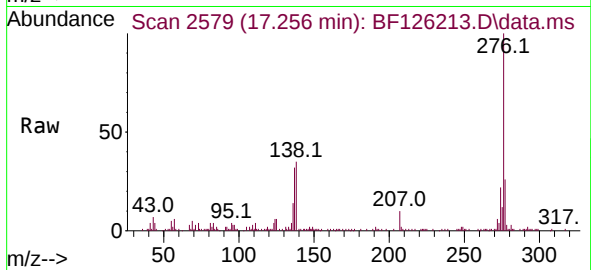
125 17.0 9.9 14.9#





#92
 Benzo(g,h,i)perylene
 Concen: 6.512 ng
 RT: 17.256 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion: 276 Resp: 126059
 Ion Ratio Lower Upper
 276 100
 277 26.2 22.0 33.0
 138 35.5 22.2 33.4#

