

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126335.D
 Acq On : 22 Dec 2021 18:21
 Operator : JU/CG
 Sample : M5198-04DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 19:14:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

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

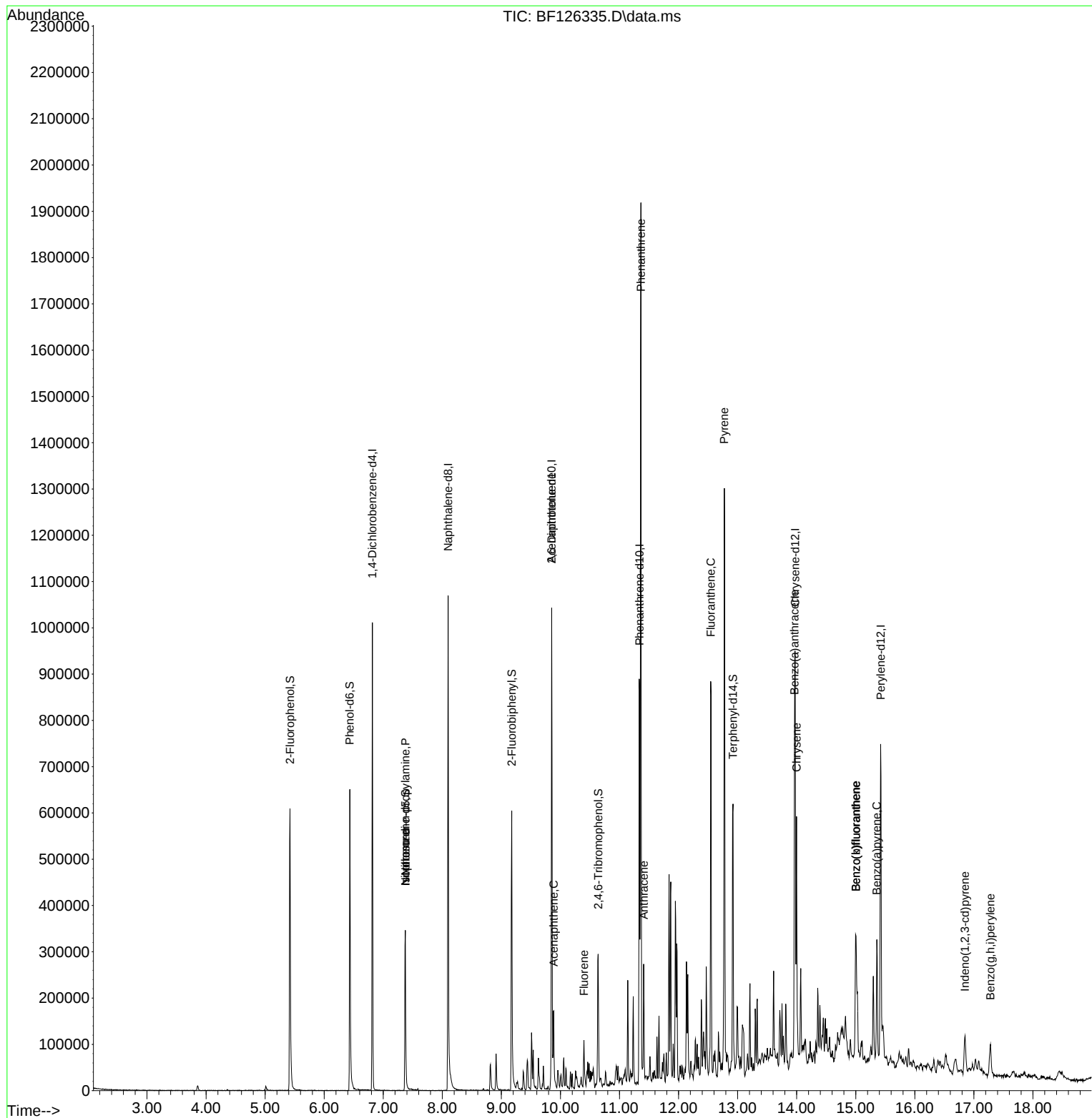
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	133971	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	511051	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	217824	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	333044	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	251037	20.000	ng	0.00
86) Perylene-d12	15.421	264	292162	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	207405	22.799	ng	0.00
7) Phenol-d6	6.434	99	238111	20.613	ng	-0.01
23) Nitrobenzene-d5	7.375	82	138330	14.660	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	35346	20.192	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	217199	17.488	ng	0.00
79) Terphenyl-d14	12.921	244	189958	13.152	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	16854	2.377	ng	# 53
25) Isophorone	7.375	82	138328	7.763	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	28583	9.571	ng	# 28
52) Acenaphthene	9.886	154	35566	2.962	ng	95
58) Fluorene	10.398	166	26697	2.256	ng	# 97
71) Phenanthrene	11.363	178	686930	39.962	ng	99
72) Anthracene	11.410	178	99159	5.747	ng	99
75) Fluoranthene	12.545	202	324769	20.970	ng	90
78) Pyrene	12.774	202	505047	21.898	ng	97
81) Benzo(a)anthracene	13.962	228	178590	12.010	ng	99
83) Chrysene	13.998	228	168631	10.915	ng	99
87) Indeno(1,2,3-cd)pyrene	16.851	276	52330	2.685	ng	94
88) Benzo(b)fluoranthene	15.004	252	176517	10.055	ng	# 94
89) Benzo(k)fluoranthene	15.004	252	176517	10.511	ng	# 93
90) Benzo(a)pyrene	15.357	252	110387	7.566	ng	# 94
92) Benzo(g,h,i)perylene	17.280	276	51990	3.172	ng	# 89

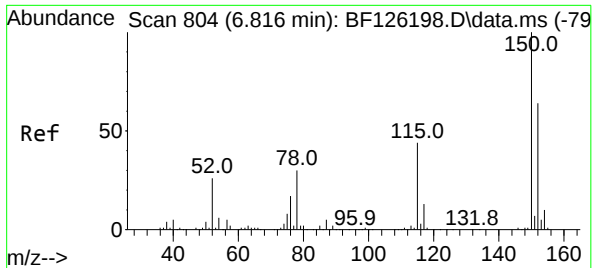
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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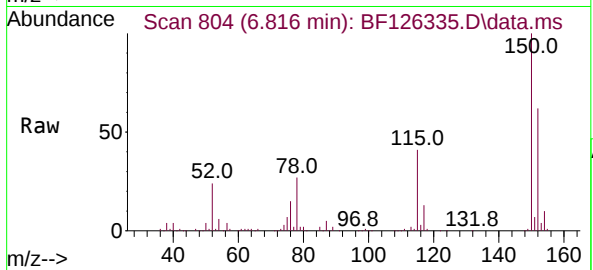
Quant Time: Dec 22 19:14:31 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration



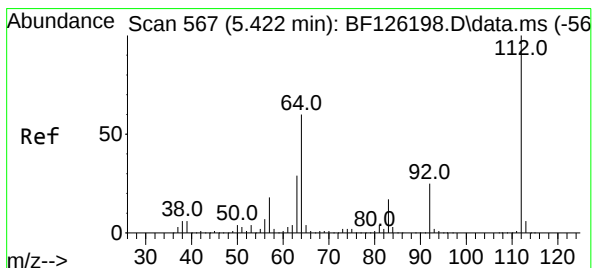
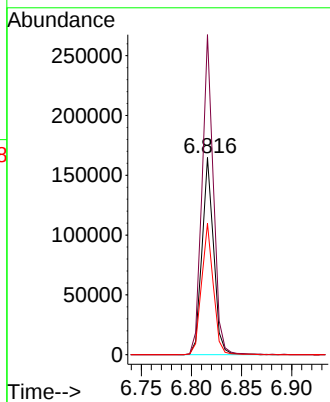
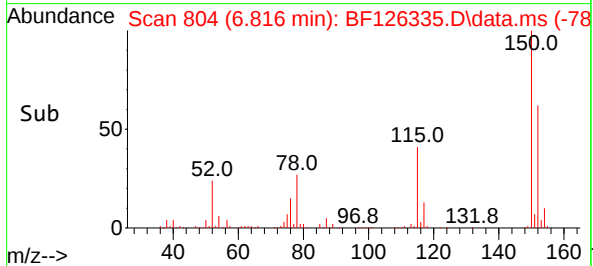


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. -0.000 min
 Lab File: BF126335.D
 Acq: 22 Dec 2021 18:21

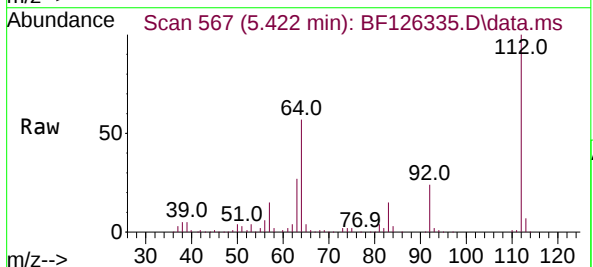
Instrument :
 BNA_F
 ClientSampleId :



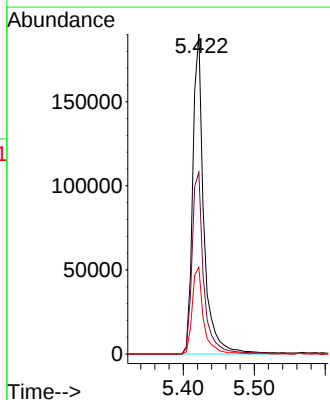
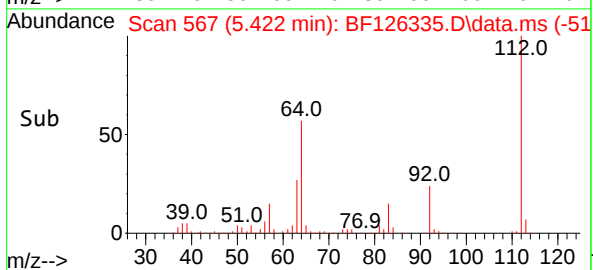
Tgt Ion:152 Resp: 133971
 Ion Ratio Lower Upper
 152 100
 150 162.3 117.6 176.4
 115 66.6 47.1 70.7

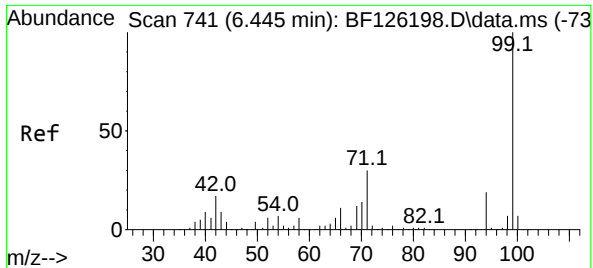


#5
 2-Fluorophenol
 Concen: 22.799 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF126335.D
 Acq: 22 Dec 2021 18:21



Tgt Ion:112 Resp: 207405
 Ion Ratio Lower Upper
 112 100
 64 56.7 44.2 66.2
 63 27.1 26.2 39.2

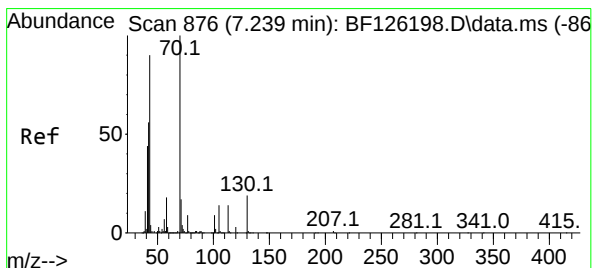
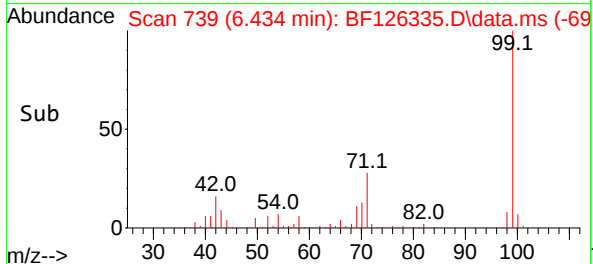
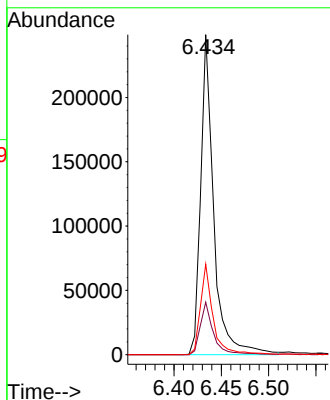
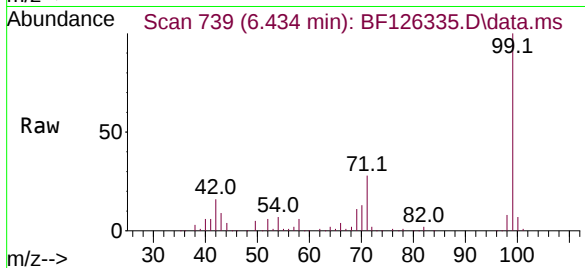




#7
Phenol-d6
Concen: 20.613 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

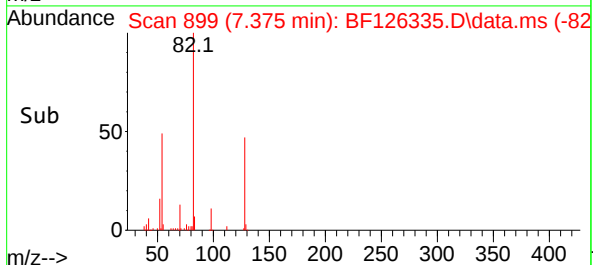
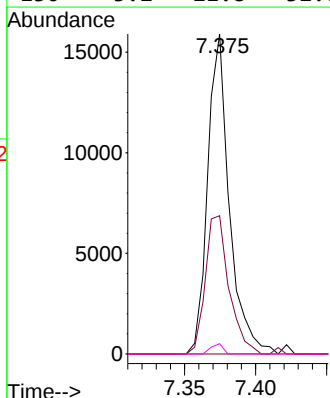
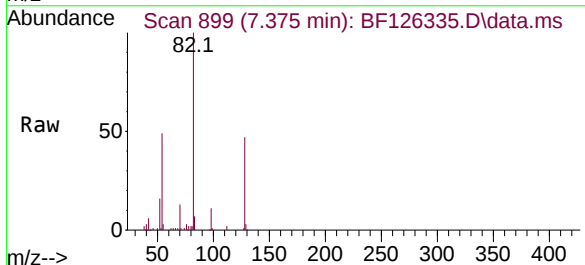
Instrument :
BNA_F
ClientSampleId :

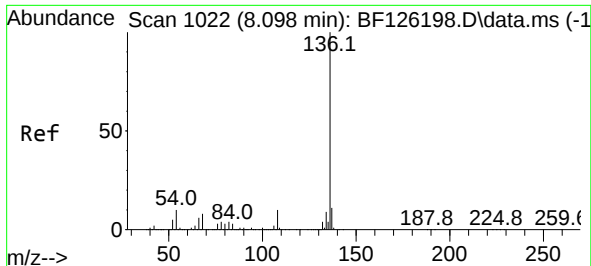
Tgt Ion: 99 Resp: 238111
Ion Ratio Lower Upper
99 100
42 16.4 23.5 35.3#
71 28.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.377 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.141 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Tgt Ion: 70 Resp: 16854
Ion Ratio Lower Upper
70 100
42 43.2 72.2 108.2#
101 0.0 7.8 11.8#
130 3.2 21.8 32.6#

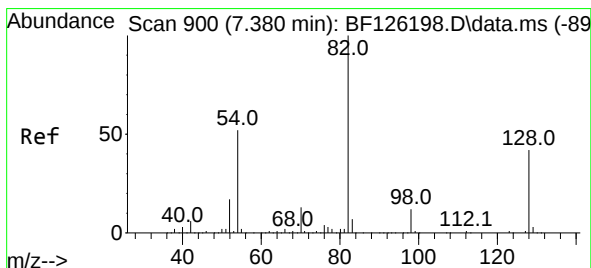
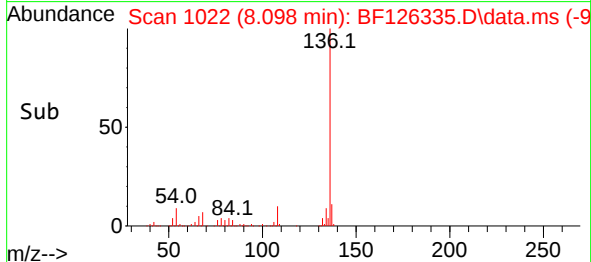
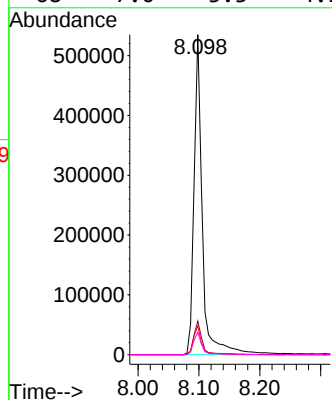
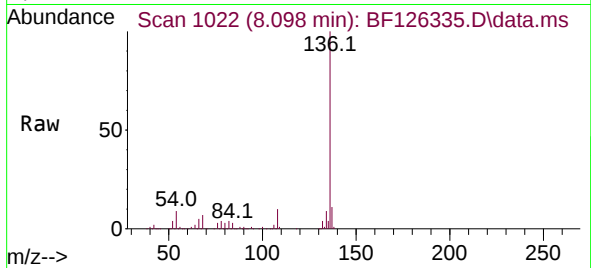




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

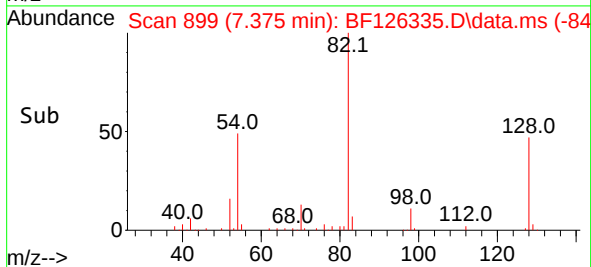
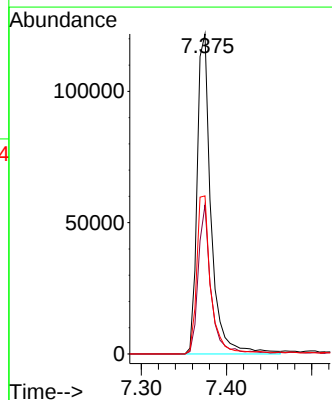
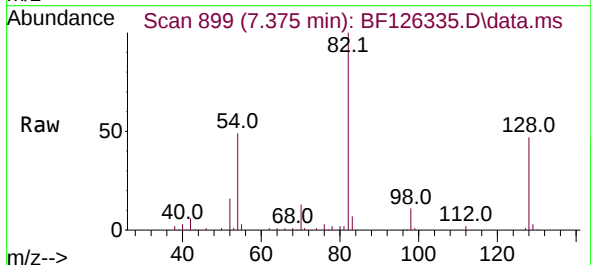
Instrument :
BNA_F
ClientSampleId :

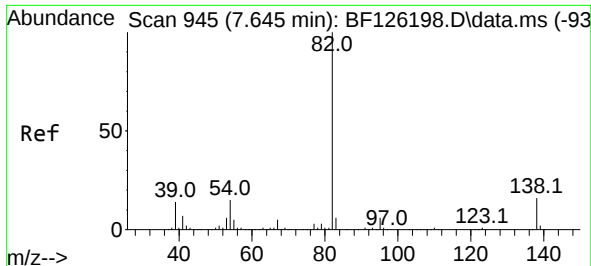
Tgt Ion:	136	Resp:	511051
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.8	14.6
54	8.9	6.4	9.6
68	7.0	3.3	4.9



#23
Nitrobenzene-d5
Concen: 14.660 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Tgt Ion:	82	Resp:	138330
Ion Ratio	Lower	Upper	
82	100		
128	46.6	40.6	60.8
54	49.4	49.6	74.4

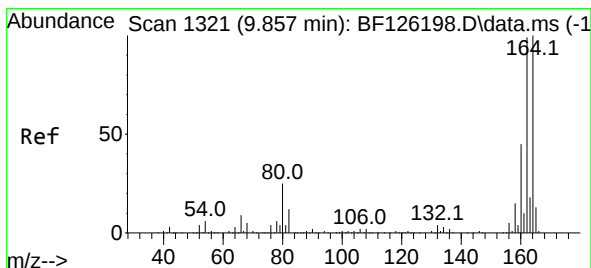
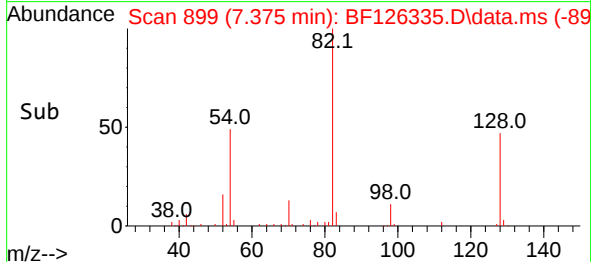
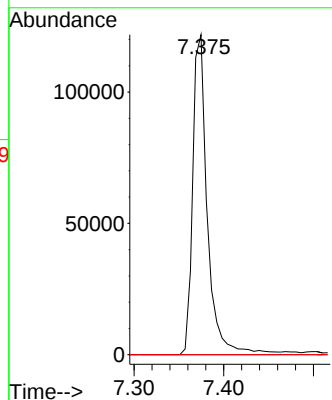
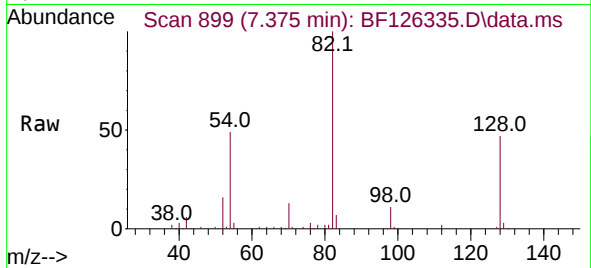




#25
Isophorone
Concen: 7.763 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

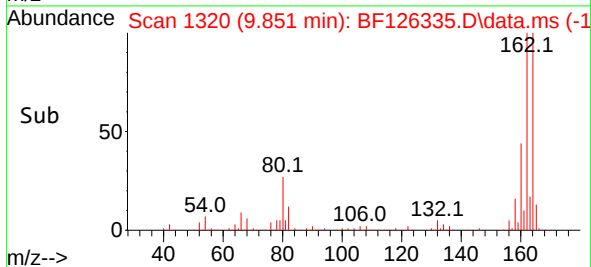
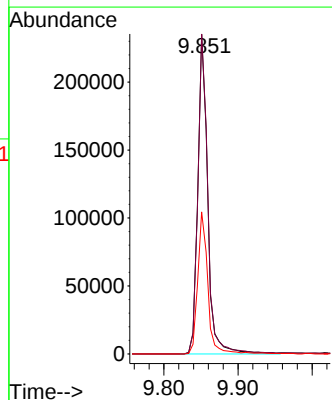
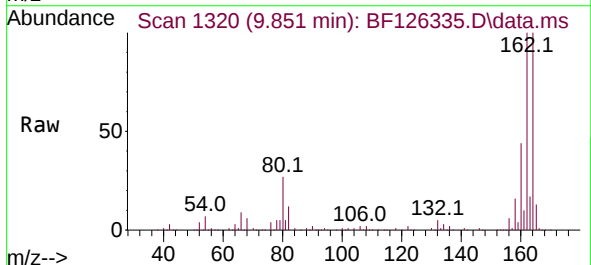
Instrument :
BNA_F
ClientSampleId :

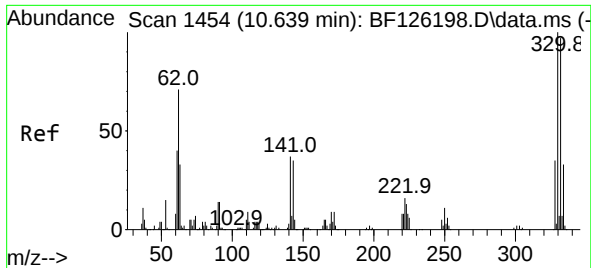
Tgt Ion: 82 Resp: 138328
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

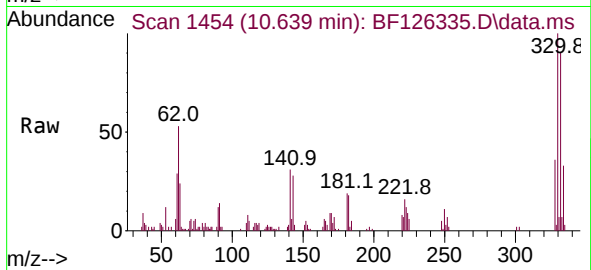
Tgt Ion:164 Resp: 217824
Ion Ratio Lower Upper
164 100
162 100.1 81.3 121.9
160 44.4 38.0 57.0



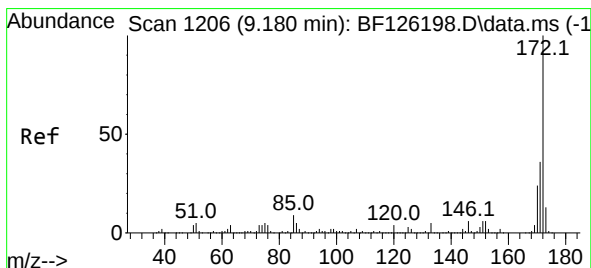
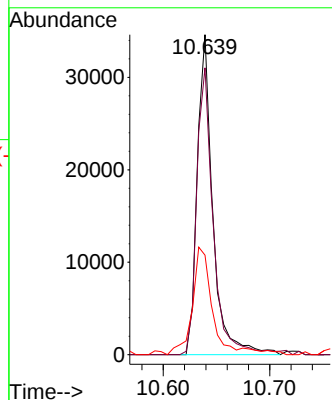
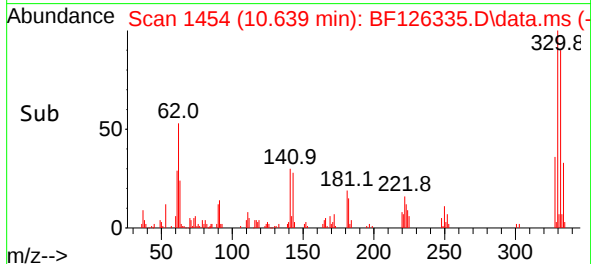


#42
2,4,6-Tribromophenol
Concen: 20.192 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

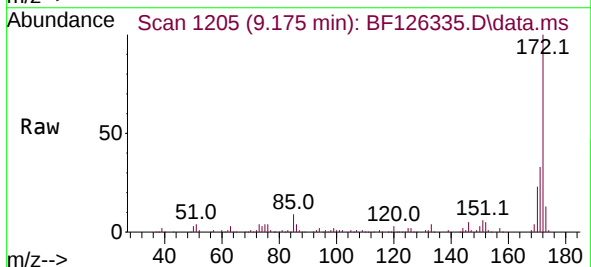
Instrument :
BNA_F
ClientSampleId :



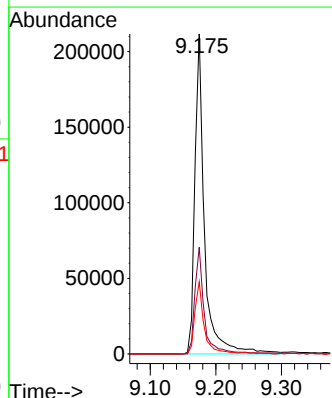
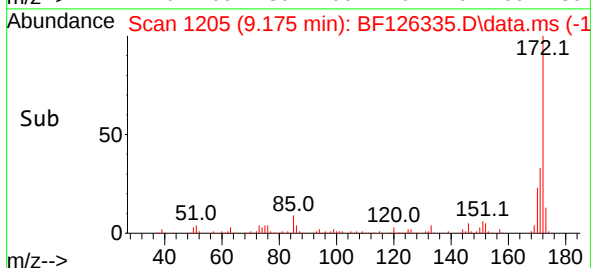
Tgt Ion:330 Resp: 35346
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 44.7 44.6 66.8

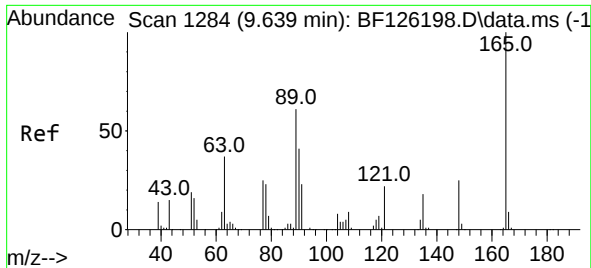


#45
2-Fluorobiphenyl
Concen: 17.488 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21



Tgt Ion:172 Resp: 217199
Ion Ratio Lower Upper
172 100
171 33.3 26.5 39.7
170 22.6 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.571 ng

RT: 9.851 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF126335.D

Acq: 22 Dec 2021 18:21

Instrument :

BNA_F

ClientSampleId :

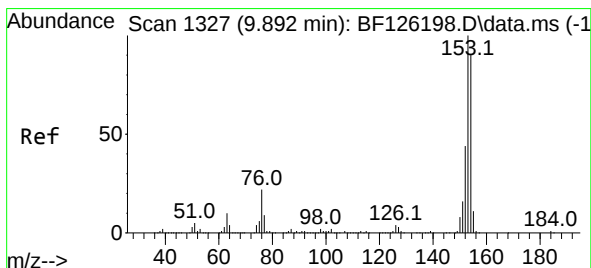
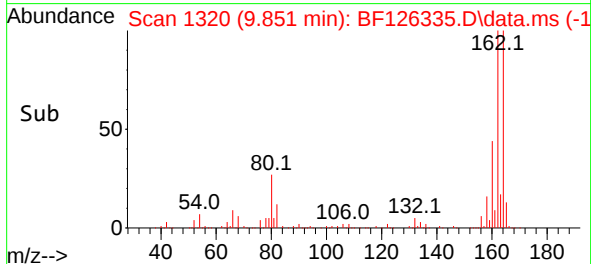
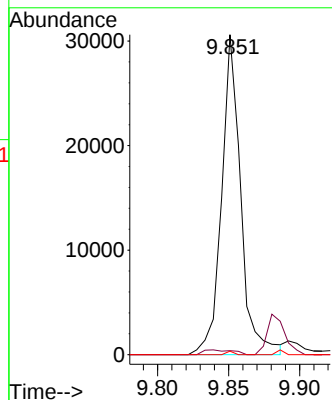
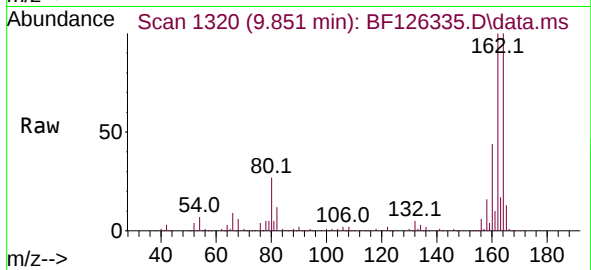
Tgt Ion:165 Resp: 28583

Ion Ratio Lower Upper

165 100

63 1.3 42.6 63.8#

89 1.1 40.6 60.8#



#52

Acenaphthene

Concen: 2.962 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF126335.D

Acq: 22 Dec 2021 18:21

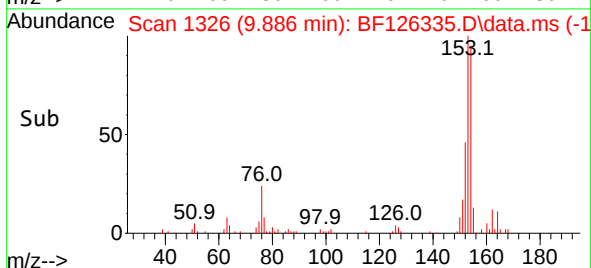
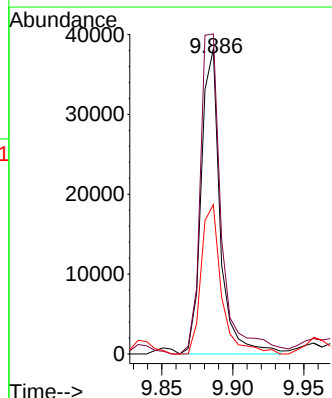
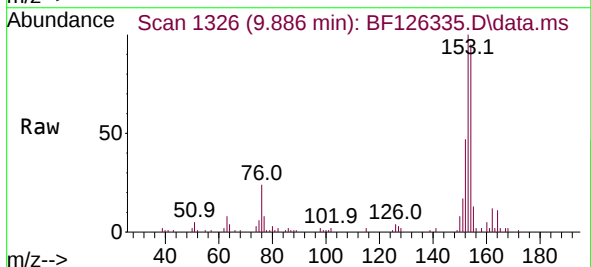
Tgt Ion:154 Resp: 35566

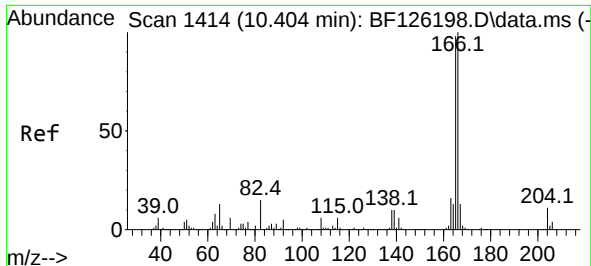
Ion Ratio Lower Upper

154 100

153 105.0 89.4 134.2

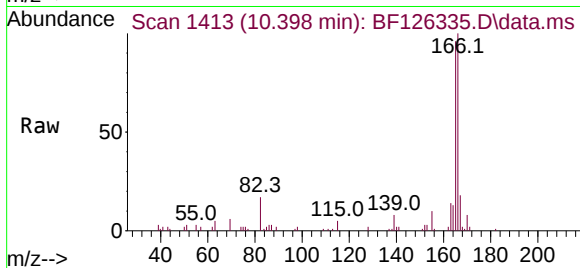
152 49.0 40.5 60.7



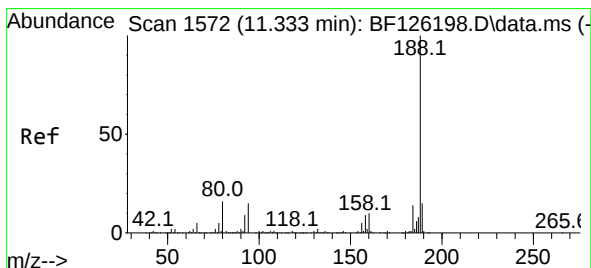
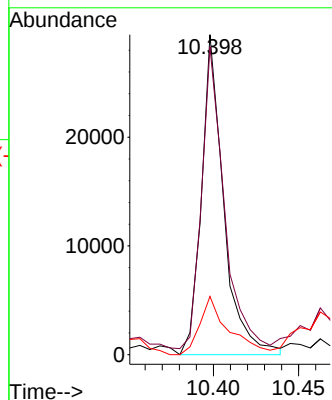
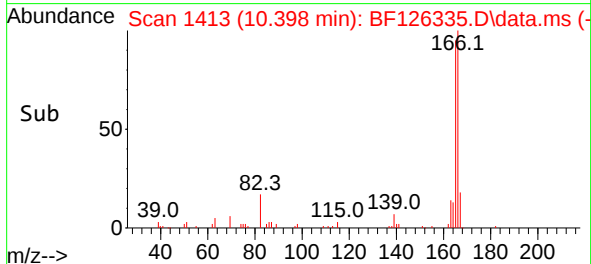


#58
Fluorene
Concen: 2.256 ng
RT: 10.398 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

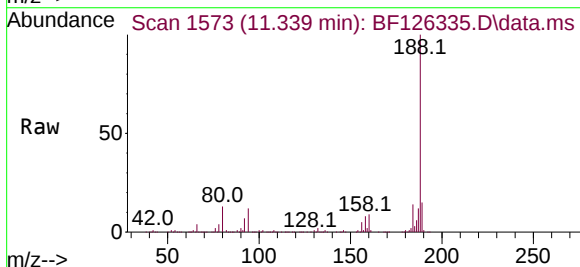
Instrument :
BNA_F
ClientSampleId :



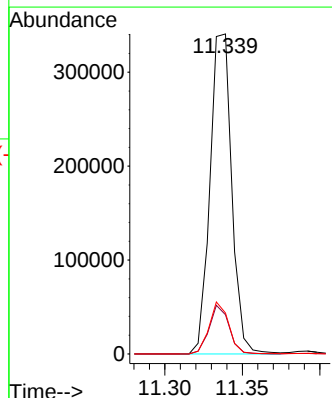
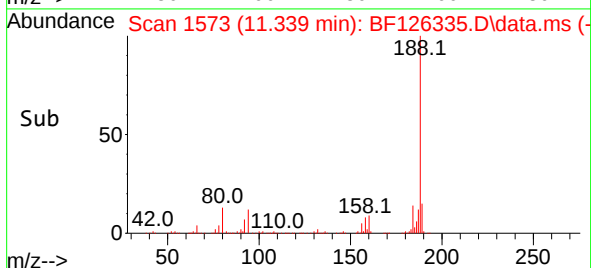
Tgt Ion:166 Resp: 26697
Ion Ratio Lower Upper
166 100
165 96.2 78.1 117.1
167 18.2 11.1 16.7#

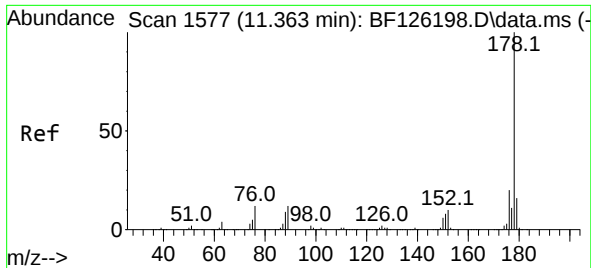


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21



Tgt Ion:188 Resp: 333044
Ion Ratio Lower Upper
188 100
94 12.3 6.7 10.1#
80 12.8 7.5 11.3#

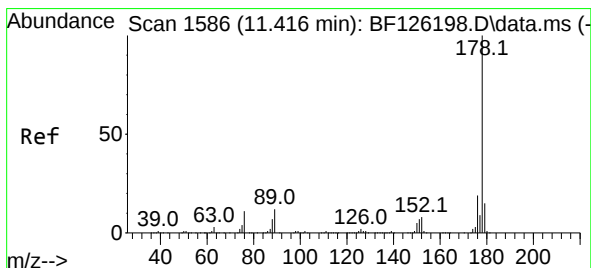
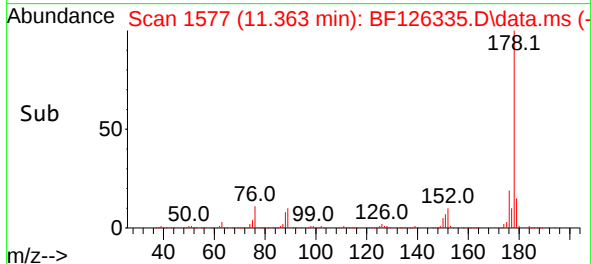
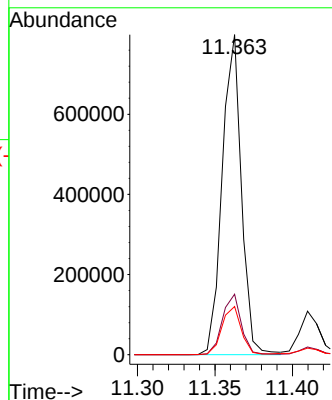
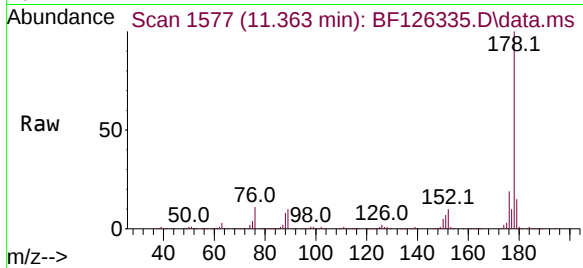




#71
Phenanthrene
Concen: 39.962 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

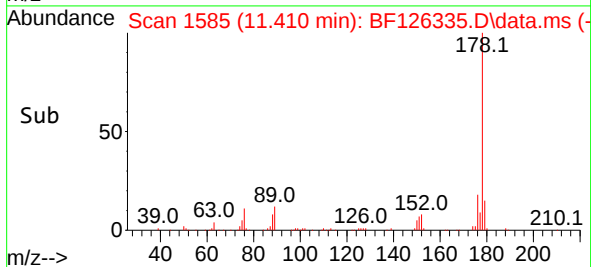
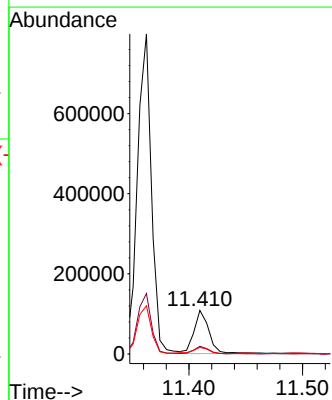
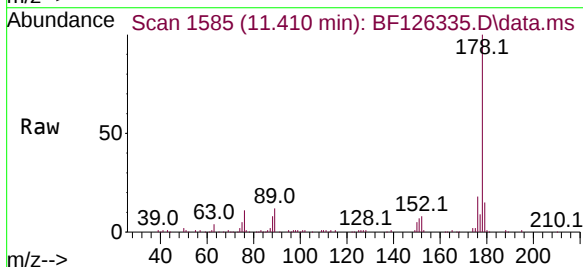
Instrument :
BNA_F
ClientSampleId :

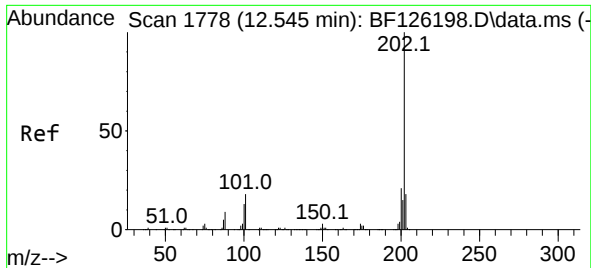
Tgt Ion:178 Resp: 686930
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.0 11.5 17.3



#72
Anthracene
Concen: 5.747 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Tgt Ion:178 Resp: 99159
Ion Ratio Lower Upper
178 100
176 17.5 14.3 21.5
179 15.1 12.2 18.4

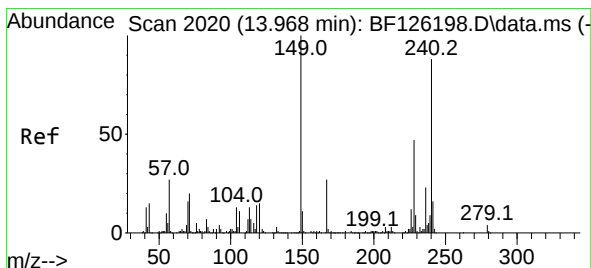
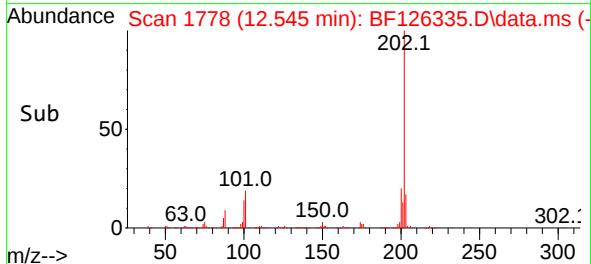
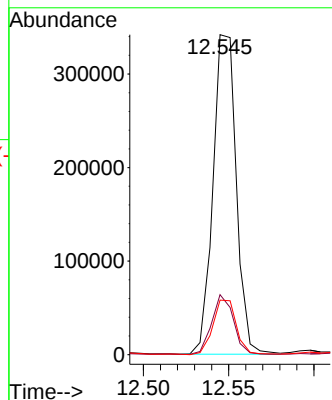
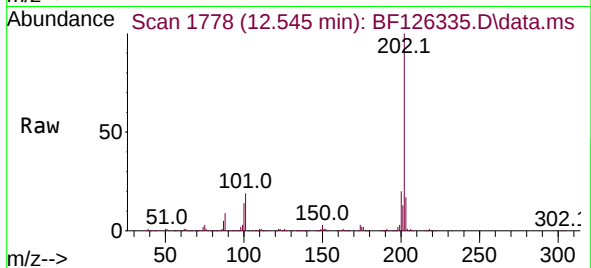




#75
Fluoranthene
Concen: 20.970 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

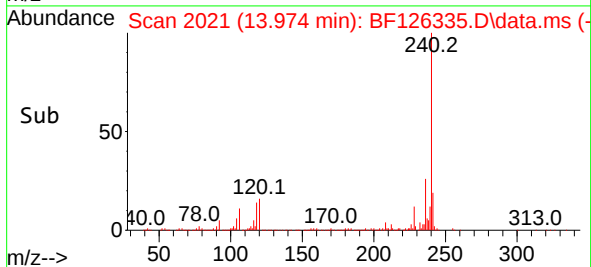
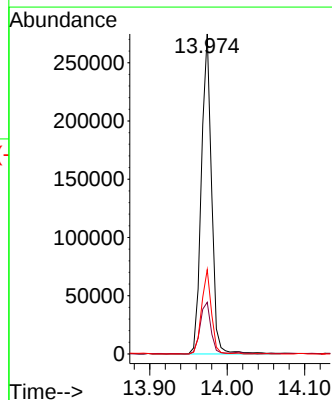
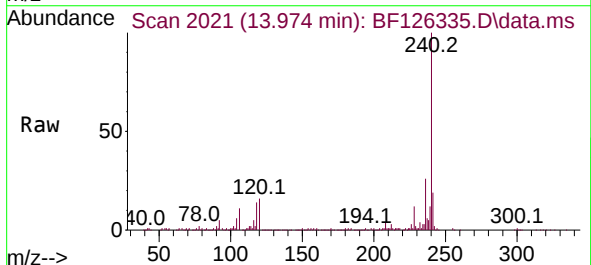
Instrument :
BNA_F
ClientSampleId :

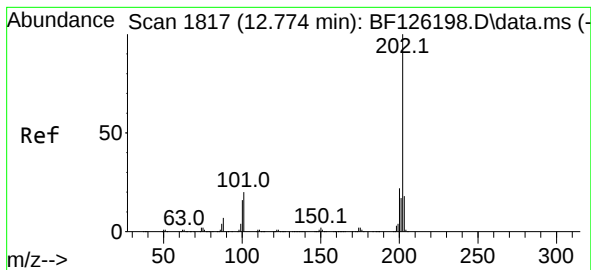
Tgt Ion:202 Resp: 324769
Ion Ratio Lower Upper
202 100
101 18.8 0.0 30.7
203 17.0 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

Tgt Ion:240 Resp: 251037
Ion Ratio Lower Upper
240 100
120 16.2 10.8 16.2
236 26.4 21.6 32.4





#78

Pyrene

Concen: 21.898 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF126335.D

Acq: 22 Dec 2021 18:21

Instrument :

BNA_F

ClientSampleId :

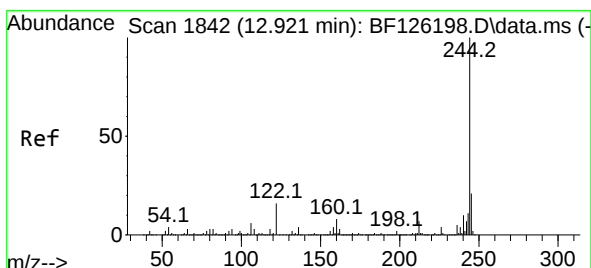
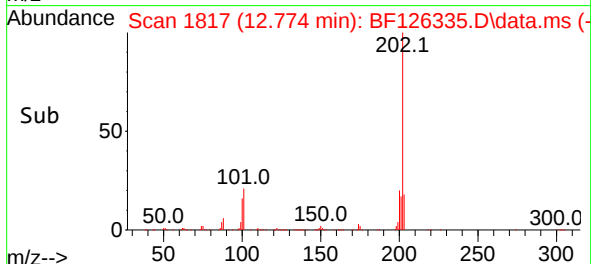
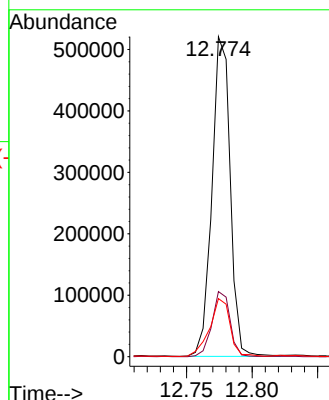
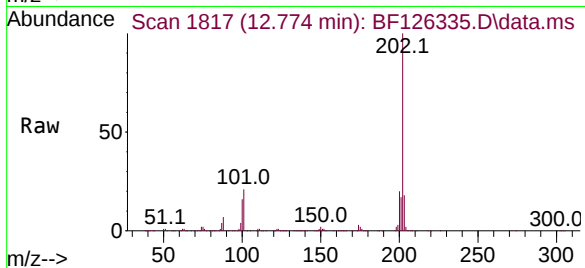
Tgt Ion:202 Resp: 505047

Ion Ratio Lower Upper

202 100

200 20.4 15.3 22.9

203 18.1 13.4 20.0



#79

Terphenyl-d14

Concen: 13.152 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF126335.D

Acq: 22 Dec 2021 18:21

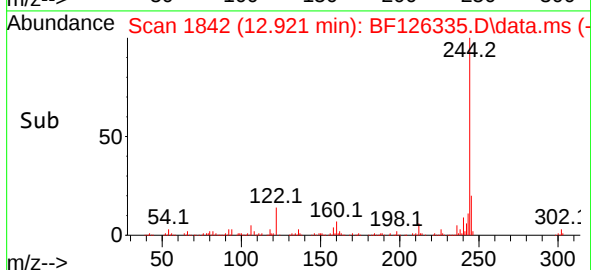
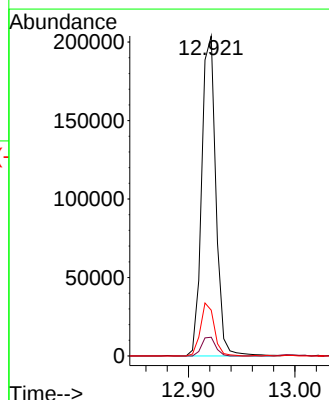
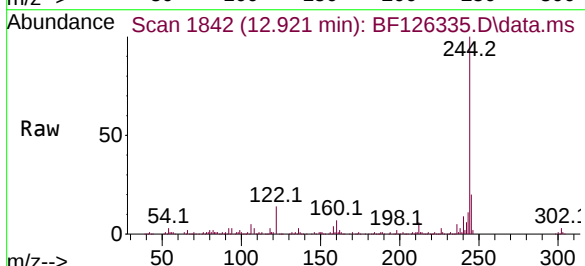
Tgt Ion:244 Resp: 189958

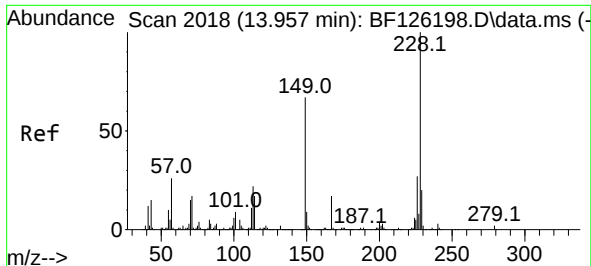
Ion Ratio Lower Upper

244 100

212 5.9 5.9 8.9#

122 14.3 9.0 13.4#

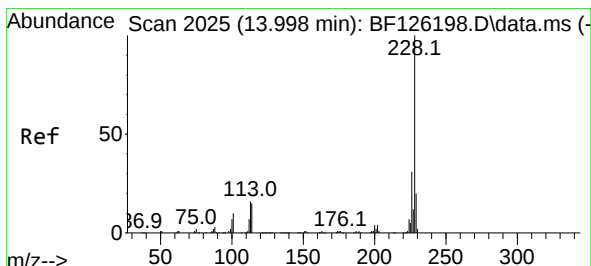
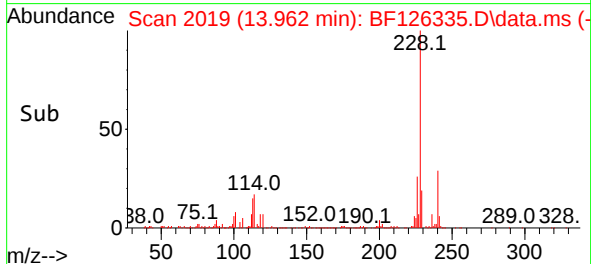
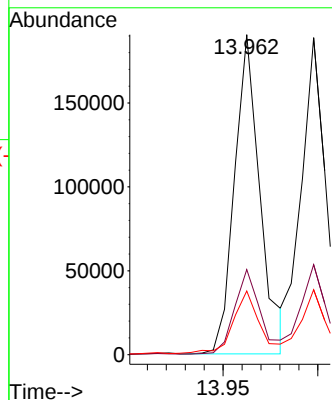
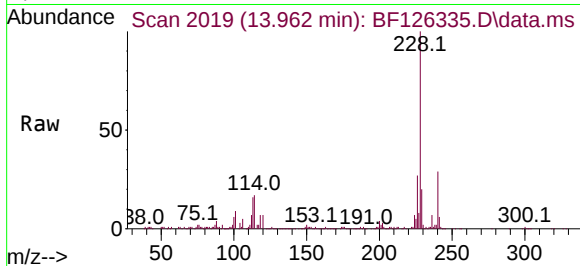




#81
Benzo(a)anthracene
Concen: 12.010 ng
RT: 13.962 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

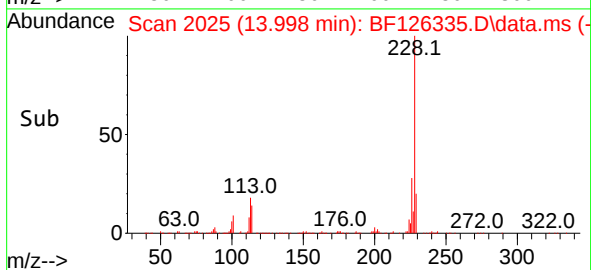
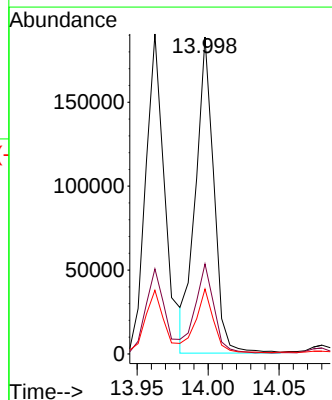
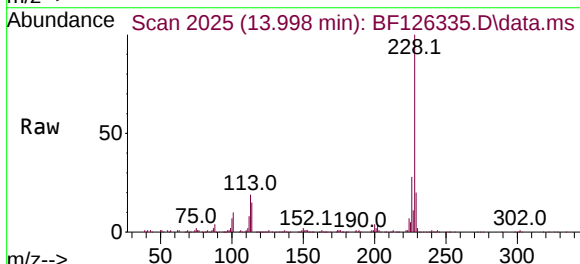
Instrument :
BNA_F
ClientSampleId :

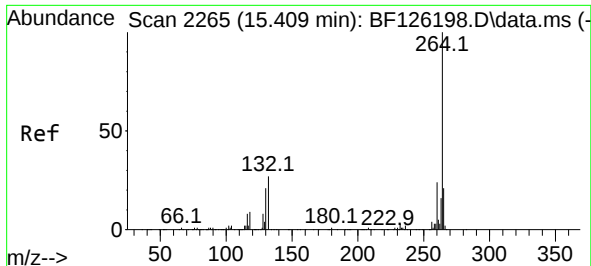
Tgt Ion:228 Resp: 178590
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 19.9 15.6 23.4



#83
Chrysene
Concen: 10.915 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

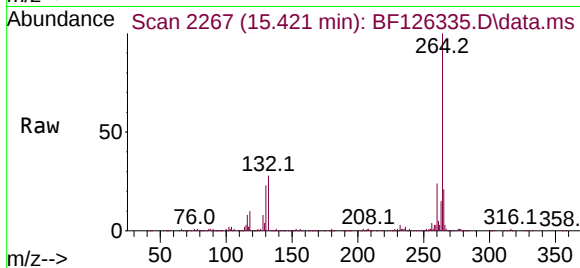
Tgt Ion:228 Resp: 168631
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 20.5 15.9 23.9



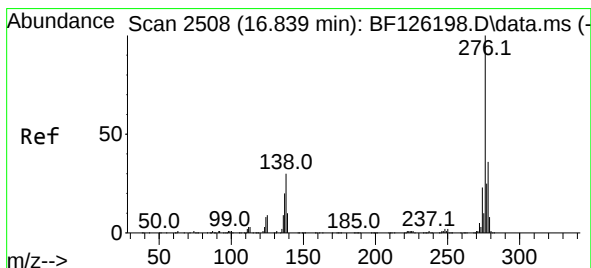
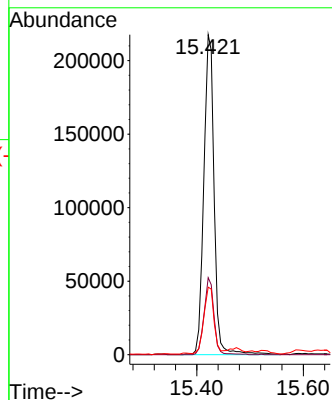
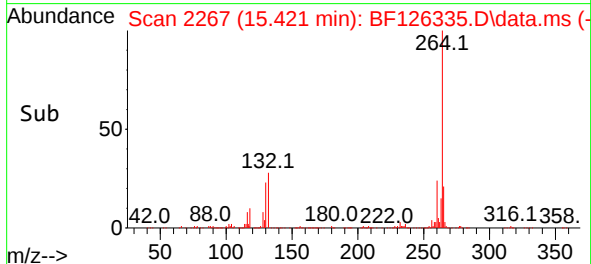


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21

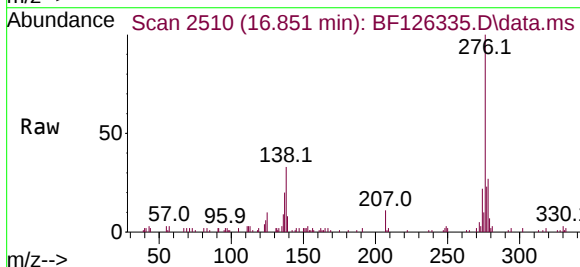
Instrument :
BNA_F
ClientSampleId :



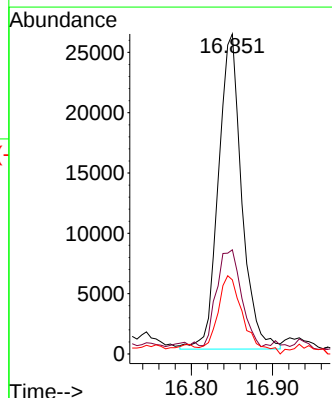
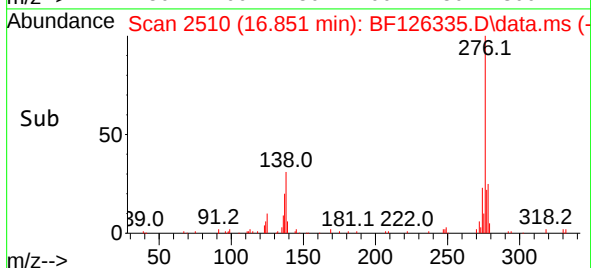
Tgt Ion:264 Resp: 292162
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 21.1 17.2 25.8

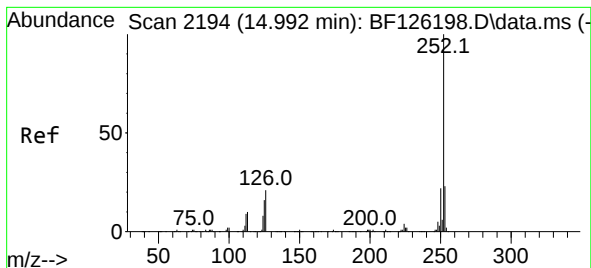


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.685 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF126335.D
Acq: 22 Dec 2021 18:21



Tgt Ion:276 Resp: 52330
Ion Ratio Lower Upper
276 100
138 32.5 24.1 36.1
277 27.2 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 10.055 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF126335.D

Acq: 22 Dec 2021 18:21

Instrument :

BNA_F

ClientSampleId :

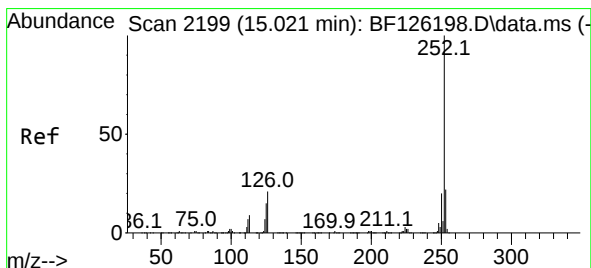
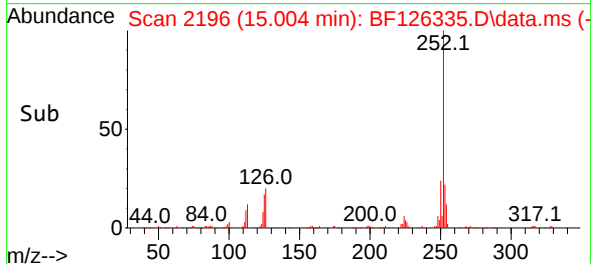
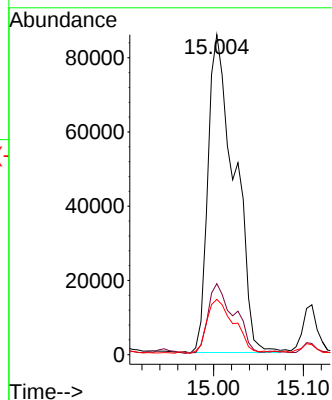
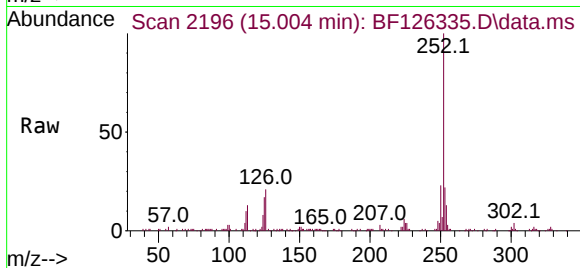
Tgt Ion:252 Resp: 176517

Ion Ratio Lower Upper

252 100

253 22.2 16.8 25.2

125 17.3 9.8 14.8#



#89

Benzo(k)fluoranthene

Concen: 10.511 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.029 min

Lab File: BF126335.D

Acq: 22 Dec 2021 18:21

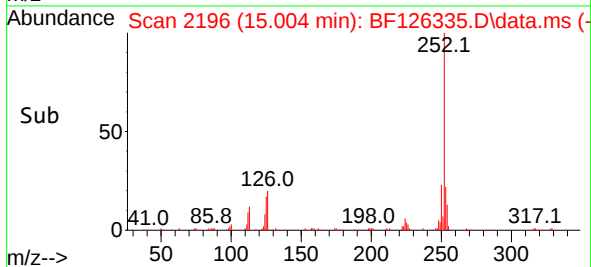
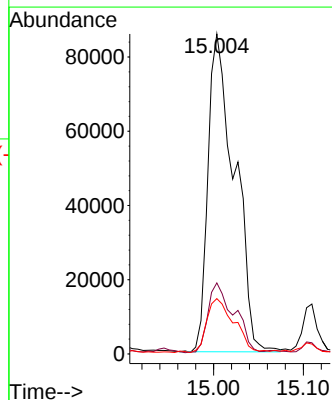
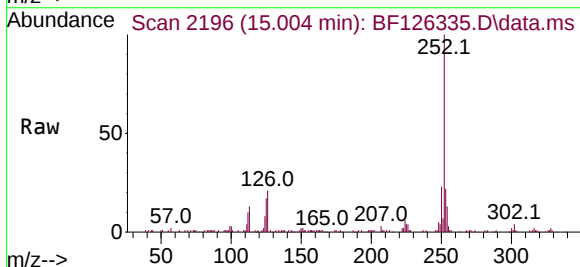
Tgt Ion:252 Resp: 176517

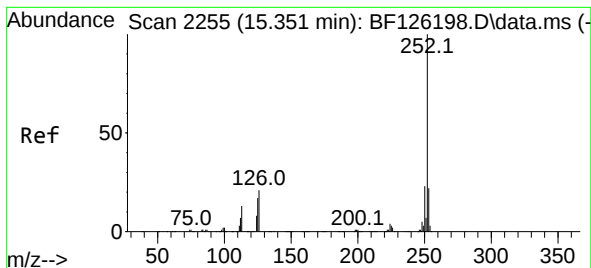
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 17.3 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 7.566 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126335.D

Acq: 22 Dec 2021 18:21

Instrument :

BNA_F

ClientSampleId :

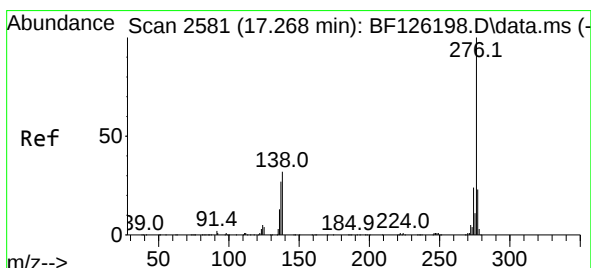
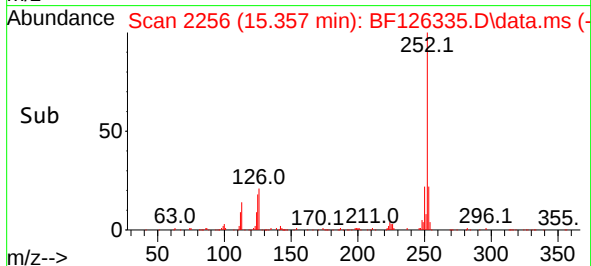
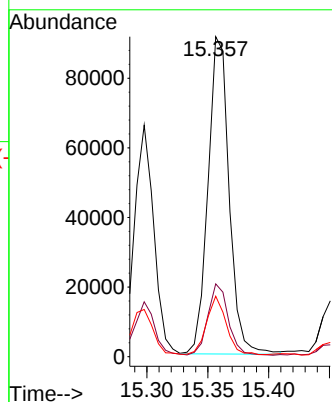
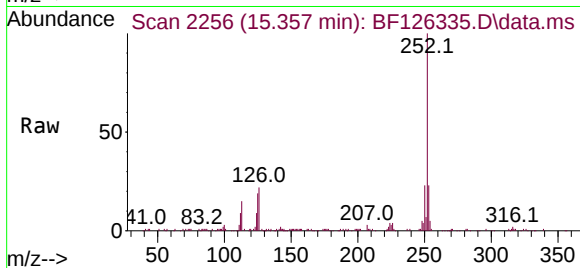
Tgt Ion:252 Resp: 110387

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

125 18.9 9.9 14.9#



#92

Benzo(g,h,i)perylene

Concen: 3.172 ng

RT: 17.280 min Scan# 2583

Delta R.T. -0.018 min

Lab File: BF126335.D

Acq: 22 Dec 2021 18:21

Tgt Ion:276 Resp: 51990

Ion Ratio Lower Upper

276 100

277 25.5 22.0 33.0

138 37.8 22.2 33.4#

