

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126337.D
 Acq On : 22 Dec 2021 19:24
 Operator : JU/CG
 Sample : M5198-02DL 50X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 22 20:08:22 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

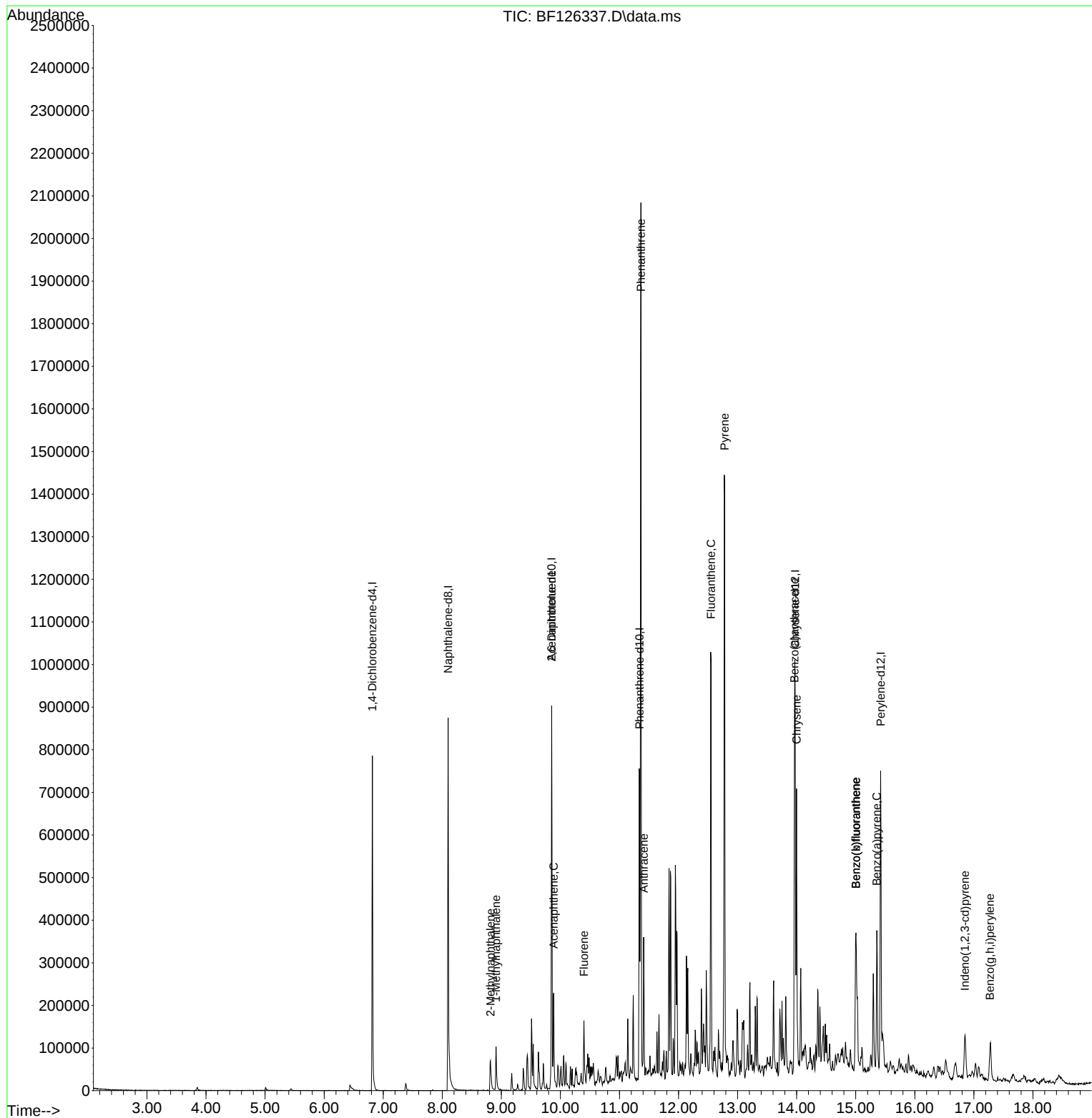
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	115266	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	430987	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	180568	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	278160	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	236419	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	274852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	3305	0.422	ng	0.00
7) Phenol-d6	6.434	99	14995	1.509	ng	-0.01
23) Nitrobenzene-d5	7.387	82	9218	1.158	ng	0.00
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.175	172	16637	1.616	ng	0.00
79) Terphenyl-d14	12.922	244	17407	1.280	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.816	142	36090	2.908	ng	98
38) 1-Methylnaphthalene	8.910	142	35884	2.979	ng	99
51) 2,6-Dinitrotoluene	9.851	165	24645	9.955	ng	# 28
52) Acenaphthene	9.886	154	48477	4.870	ng	95
58) Fluorene	10.398	166	34919	3.559	ng	# 92
71) Phenanthrene	11.363	178	734876	51.187	ng	97
72) Anthracene	11.410	178	123442	8.566	ng	98
75) Fluoranthene	12.551	202	372562	28.803	ng	94
78) Pyrene	12.780	202	582689	26.827	ng	97
81) Benzo(a)anthracene	13.963	228	224910	16.060	ng	99
83) Chrysene	13.998	228	209144	14.374	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	65243	3.559	ng	94
88) Benzo(b)fluoranthene	15.004	252	222593	13.479	ng	# 95
89) Benzo(k)fluoranthene	15.004	252	222593	14.090	ng	# 91
90) Benzo(a)pyrene	15.357	252	141970	10.343	ng	# 94
92) Benzo(g,h,i)perylene	17.274	276	66805	4.333	ng	91

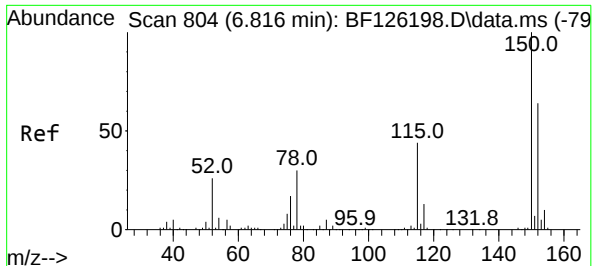
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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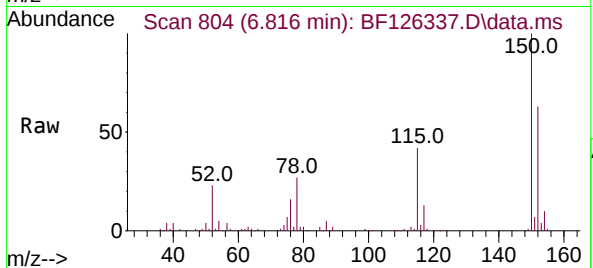
Quant Time: Dec 22 20:08:22 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
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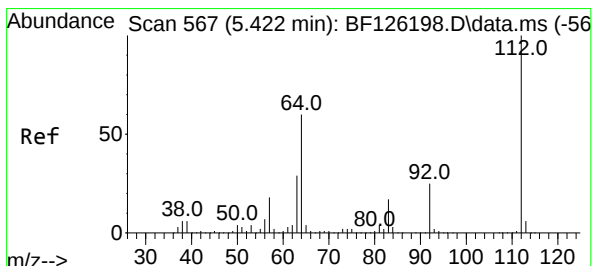
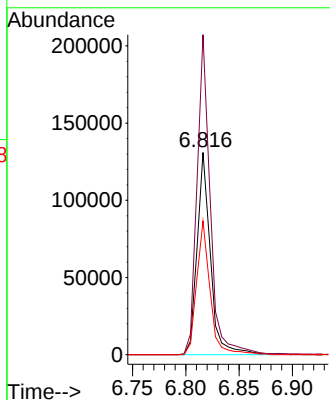
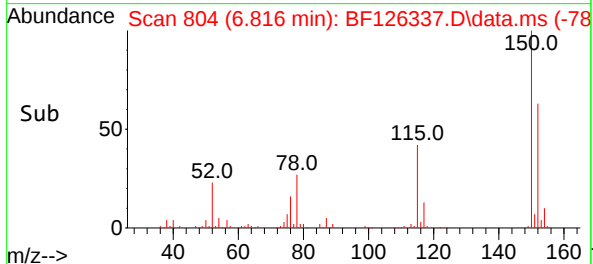


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

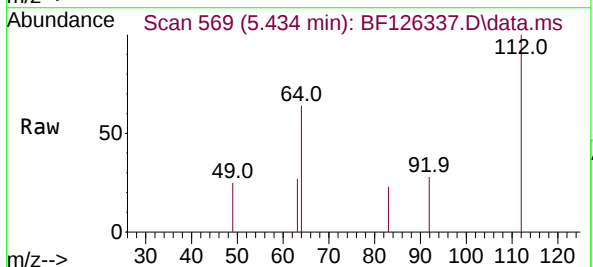
Instrument :
BNA_M
ClientSampleId :



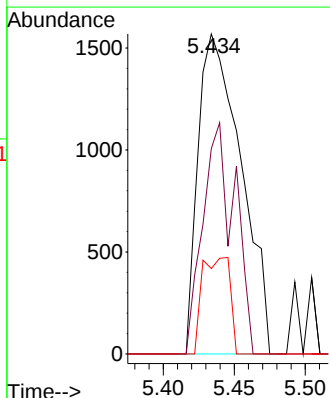
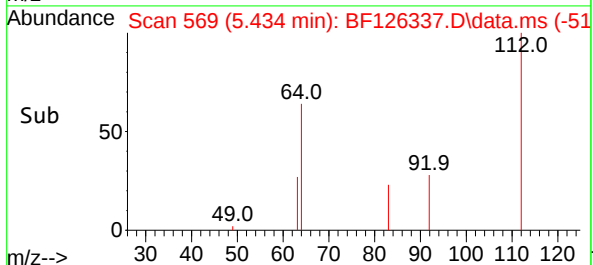
Tgt Ion:152 Resp: 115266
Ion Ratio Lower Upper
152 100
150 158.2 117.6 176.4
115 66.1 47.1 70.7

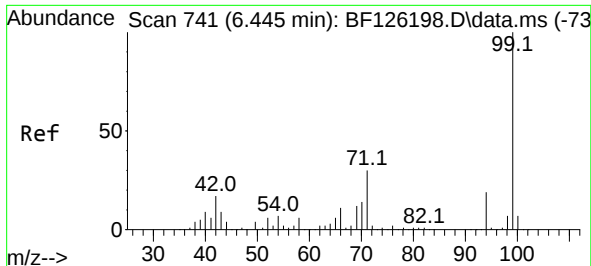


#5
2-Fluorophenol
Concen: 0.422 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24



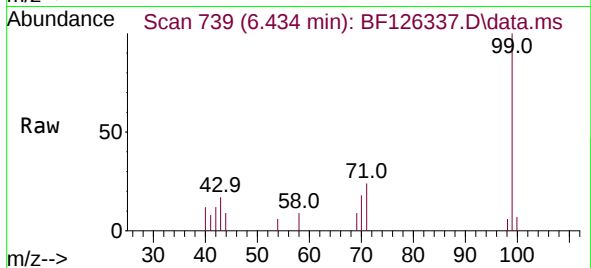
Tgt Ion:112 Resp: 3305
Ion Ratio Lower Upper
112 100
64 64.2 44.2 66.2
63 26.7 26.2 39.2



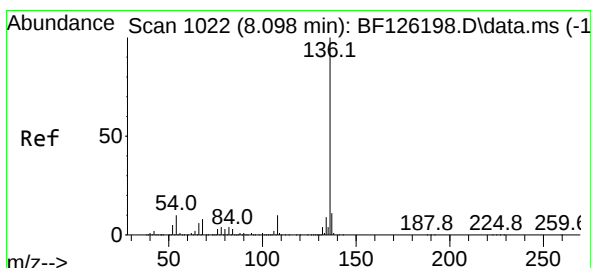
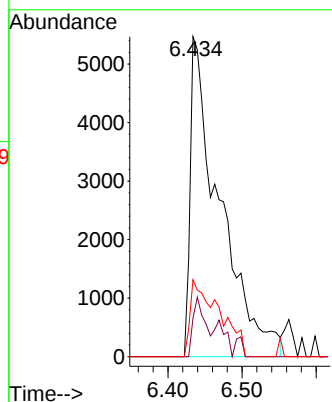
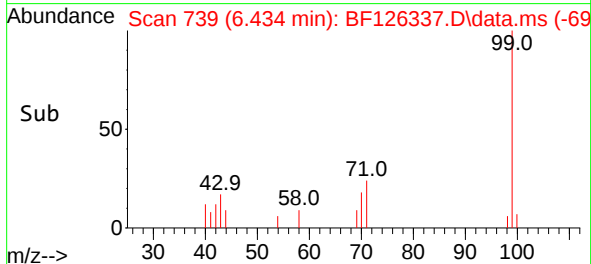


#7
Phenol-d6
Concen: 1.509 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

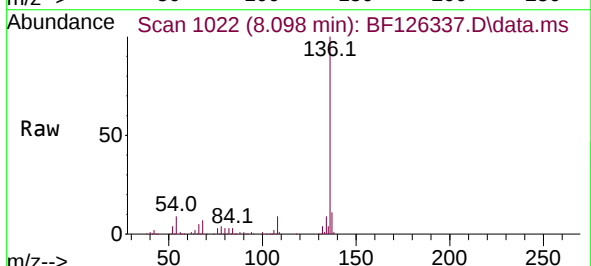
Instrument :
BNA_M
ClientSampleId :



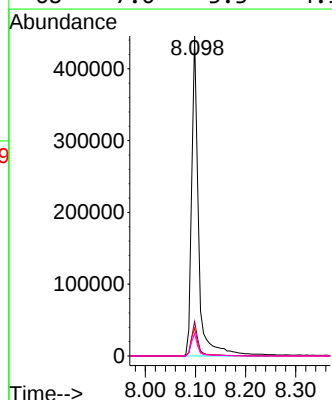
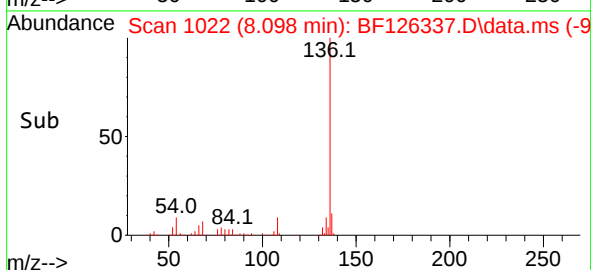
Tgt Ion: 99 Resp: 14995
Ion Ratio Lower Upper
99 100
42 12.1 23.5 35.3#
71 24.1 25.6 38.4#

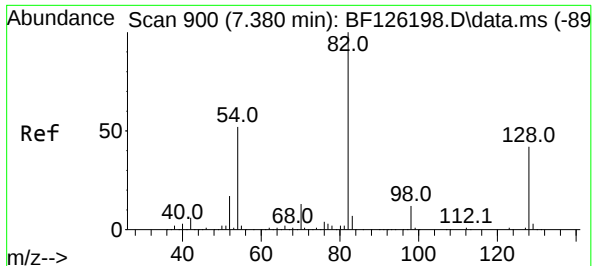


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24



Tgt Ion: 136 Resp: 430987
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 8.7 6.4 9.6
68 7.0 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 1.158 ng

RT: 7.387 min Scan# 901

Delta R.T. 0.006 min

Lab File: BF126337.D

Acq: 22 Dec 2021 19:24

Instrument :

BNA_M

ClientSampleId :

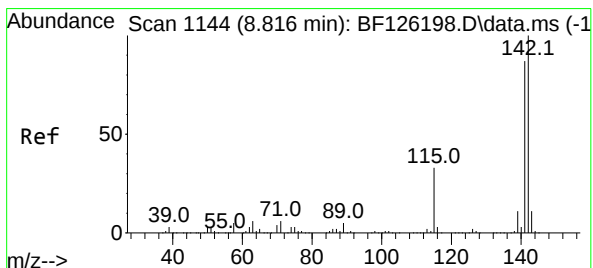
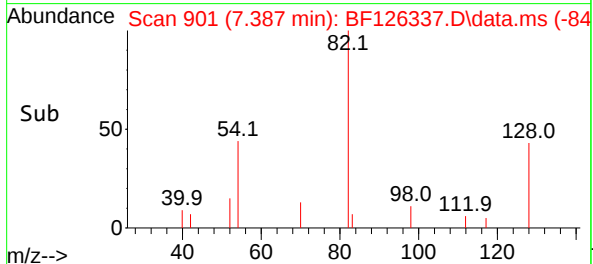
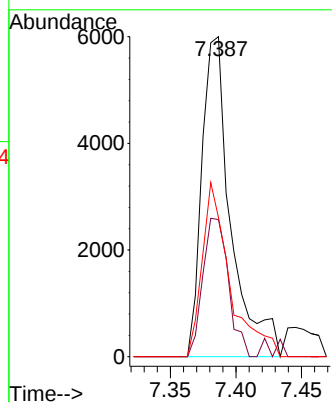
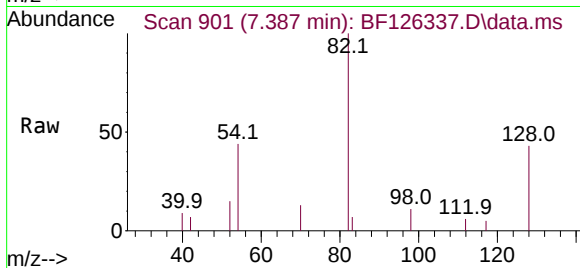
Tgt Ion: 82 Resp: 9218

Ion Ratio Lower Upper

82 100

128 42.8 40.6 60.8

54 43.6 49.6 74.4#



#37

2-Methylnaphthalene

Concen: 2.908 ng

RT: 8.816 min Scan# 1144

Delta R.T. 0.000 min

Lab File: BF126337.D

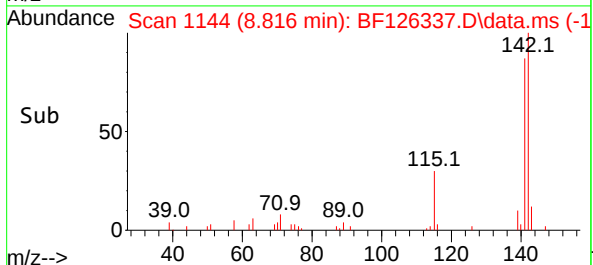
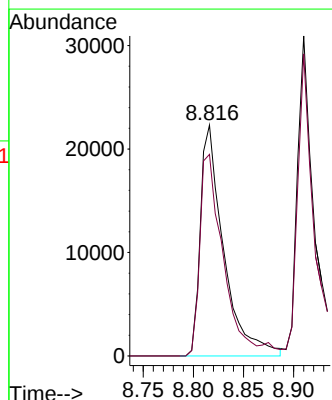
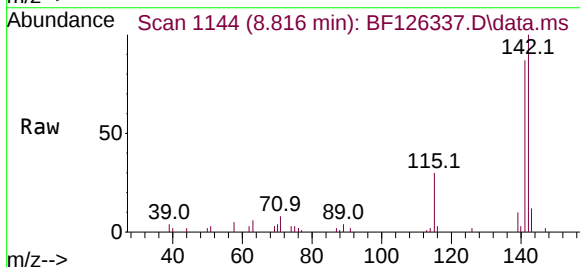
Acq: 22 Dec 2021 19:24

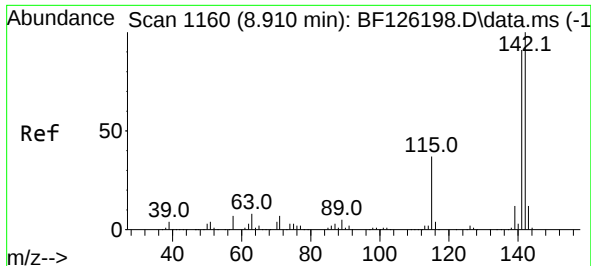
Tgt Ion: 142 Resp: 36090

Ion Ratio Lower Upper

142 100

141 87.3 71.2 106.8





#38

1-Methylnaphthalene

Concen: 2.979 ng

RT: 8.910 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF126337.D

Acq: 22 Dec 2021 19:24

Instrument :

BNA_M

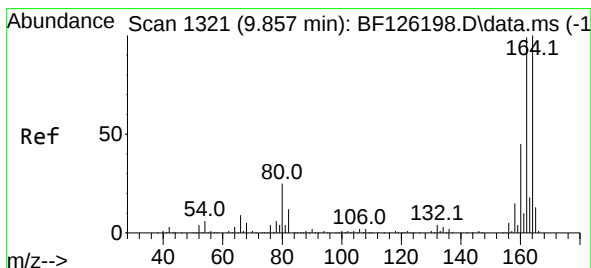
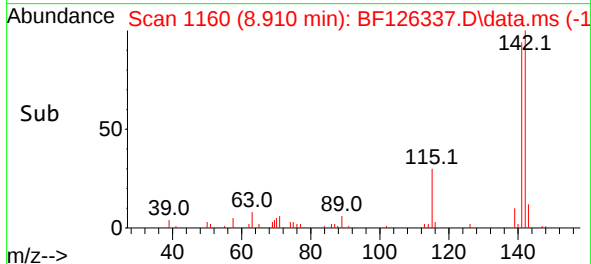
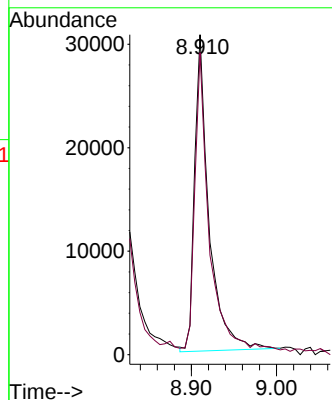
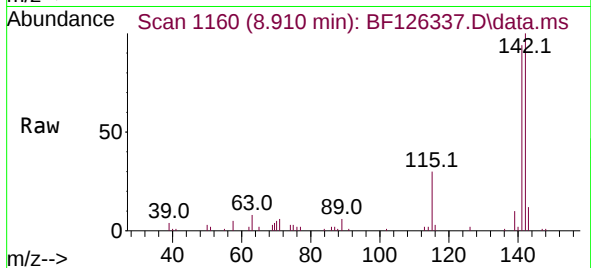
ClientSampleId :

Tgt Ion:142 Resp: 35884

Ion Ratio Lower Upper

142 100

141 94.4 76.0 114.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF126337.D

Acq: 22 Dec 2021 19:24

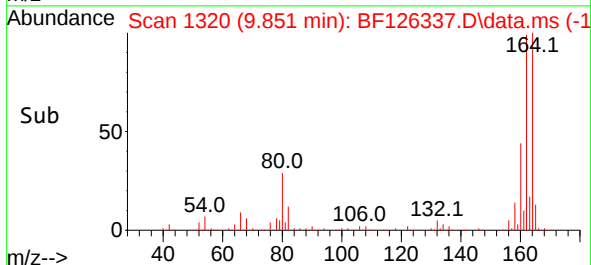
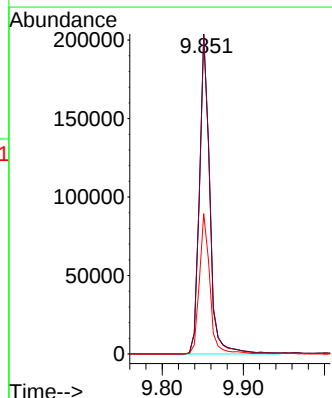
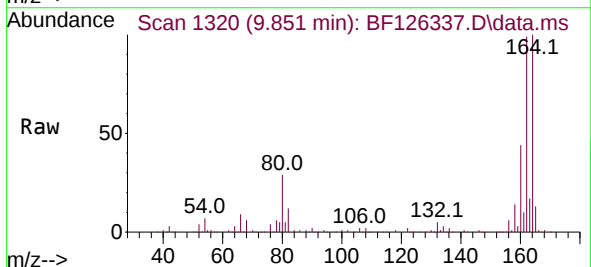
Tgt Ion:164 Resp: 180568

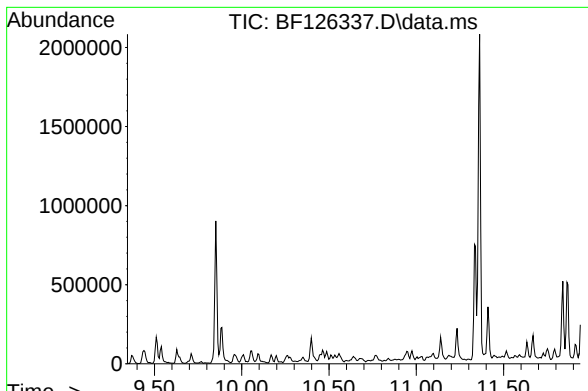
Ion Ratio Lower Upper

164 100

162 99.5 81.3 121.9

160 43.9 38.0 57.0

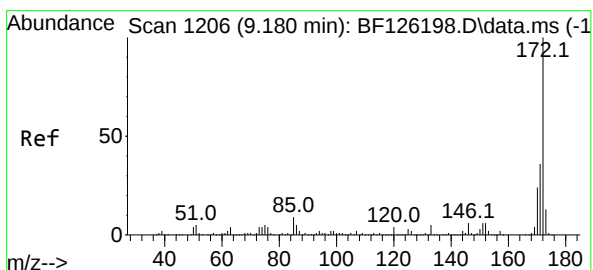
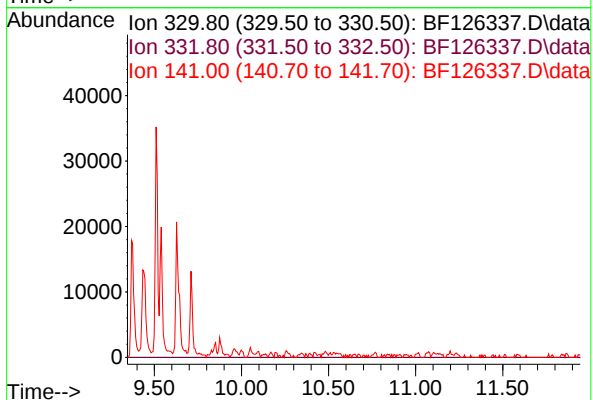




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.65 min
 Lab File: BF126337.D
 Acq: 22 Dec 2021 19:24

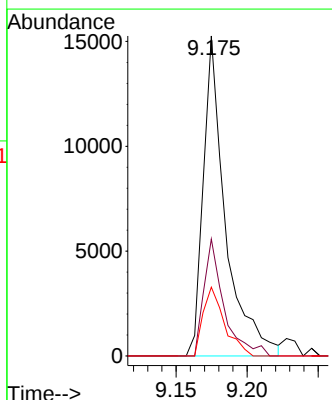
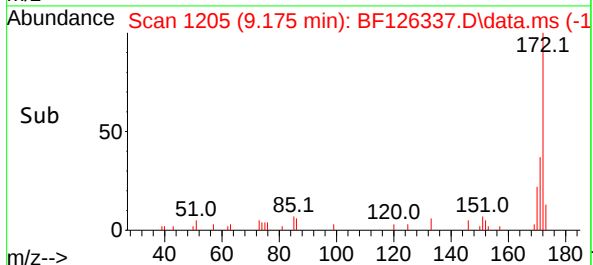
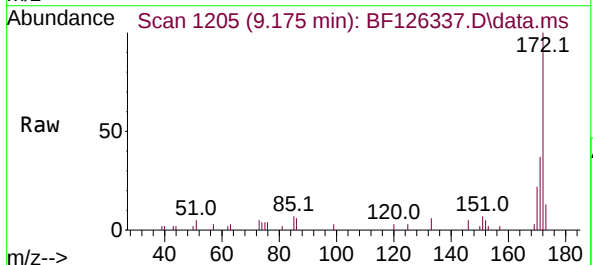
Instrument :
 BNA_M
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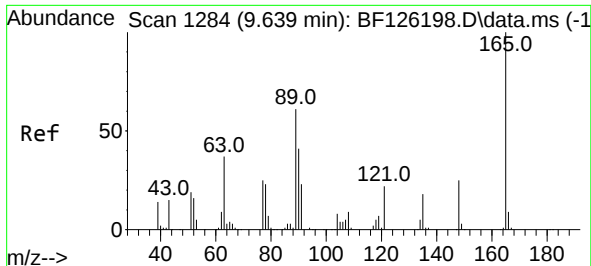
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 95.3
 141 55.7



#45
 2-Fluorobiphenyl
 Concen: 1.616 ng
 RT: 9.175 min Scan# 1205
 Delta R.T. -0.006 min
 Lab File: BF126337.D
 Acq: 22 Dec 2021 19:24

Tgt Ion: 172 Resp: 16637
 Ion Ratio Lower Upper
 172 100
 171 36.5 26.5 39.7
 170 21.5 18.8 28.2

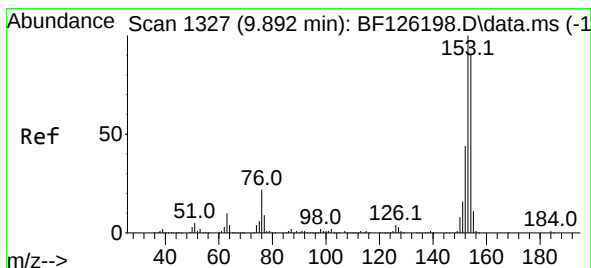
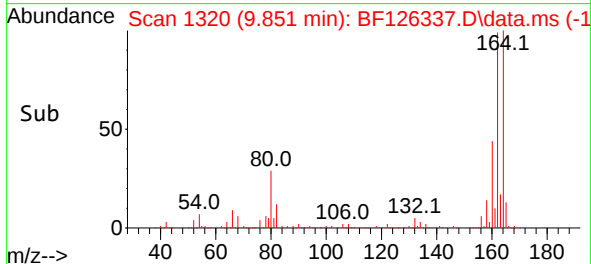
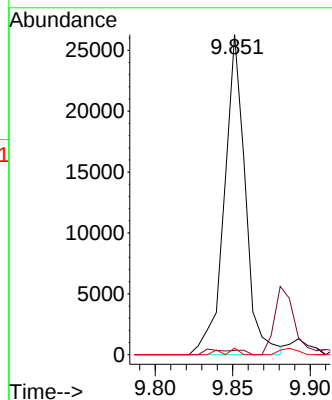
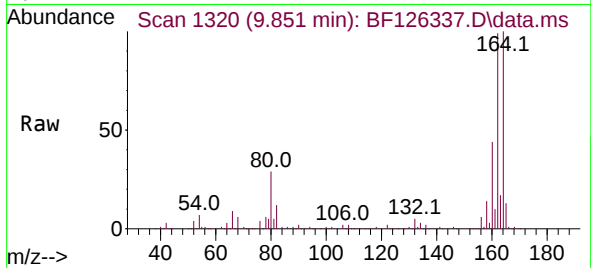




#51
2,6-Dinitrotoluene
Concen: 9.955 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

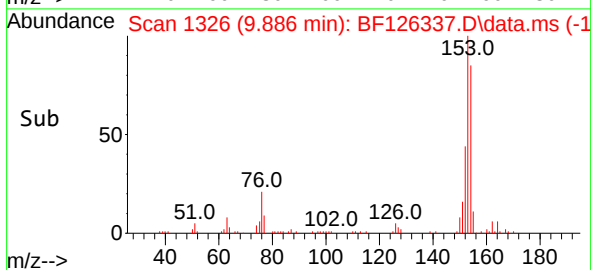
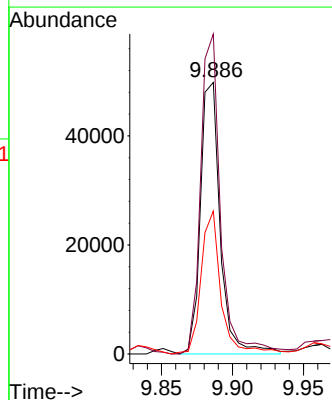
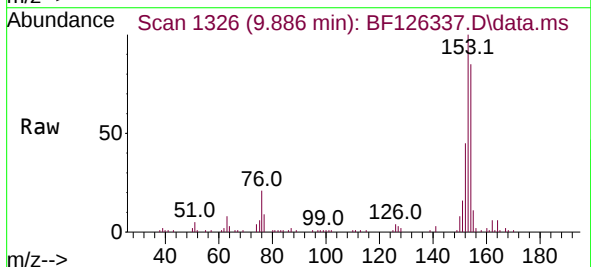
Instrument :
BNA_M
ClientSampleId :

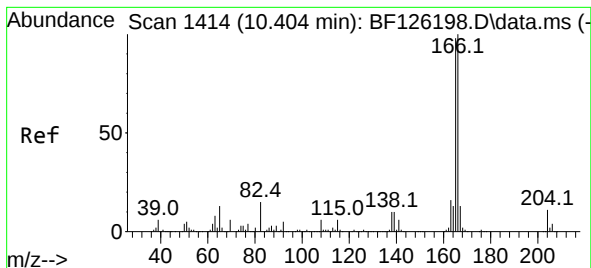
Tgt Ion:165 Resp: 24645
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 2.0 40.6 60.8#



#52
Acenaphthene
Concen: 4.870 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

Tgt Ion:154 Resp: 48477
Ion Ratio Lower Upper
154 100
153 117.8 89.4 134.2
152 52.6 40.5 60.7





#58

Fluorene

Concen: 3.559 ng

RT: 10.398 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF126337.D

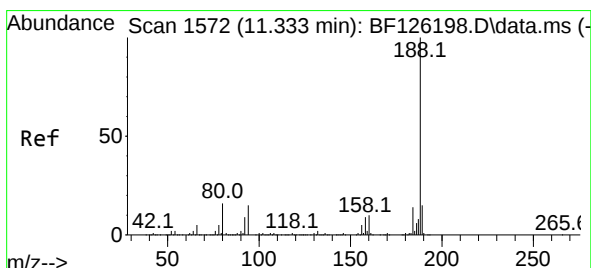
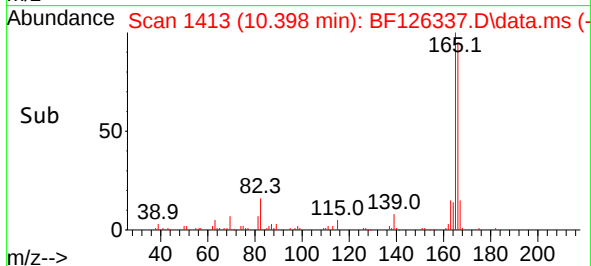
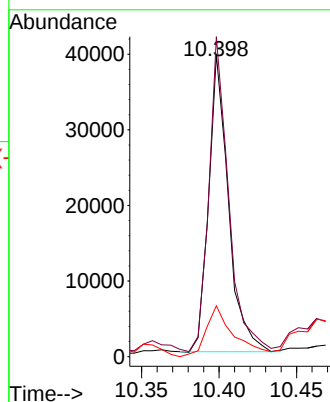
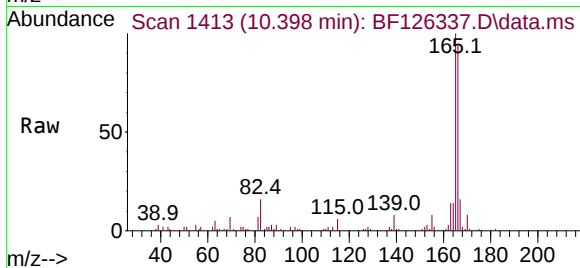
Acq: 22 Dec 2021 19:24

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:166 Resp: 34919
 Ion Ratio Lower Upper
 166 100
 165 105.9 78.1 117.1
 167 16.9 11.1 16.7#



#64

Phenanthrene-d10

Concen: 20.000 ng

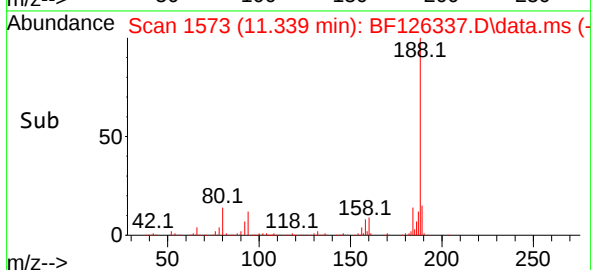
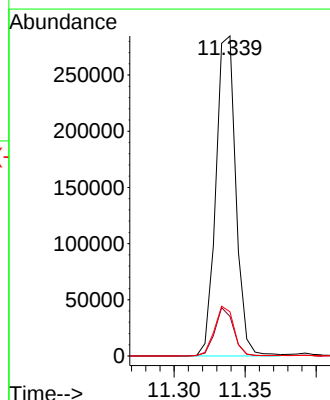
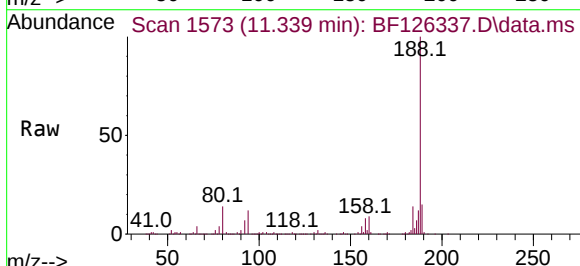
RT: 11.339 min Scan# 1573

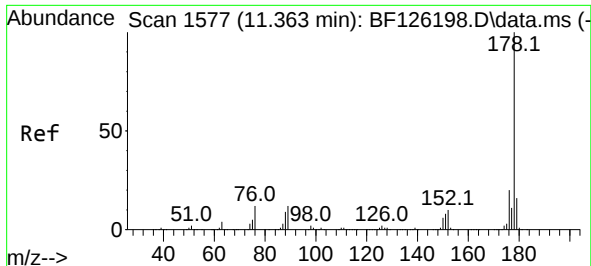
Delta R.T. 0.000 min

Lab File: BF126337.D

Acq: 22 Dec 2021 19:24

Tgt Ion:188 Resp: 278160
 Ion Ratio Lower Upper
 188 100
 94 12.4 6.7 10.1#
 80 13.8 7.5 11.3#

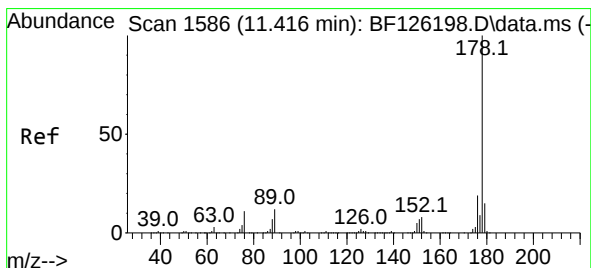
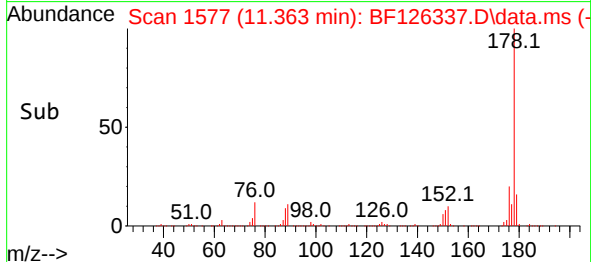
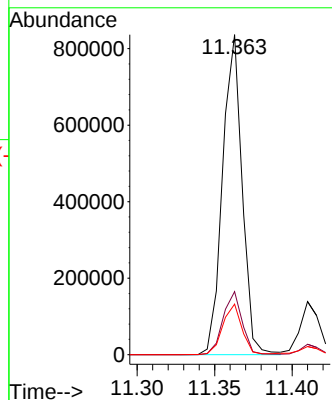
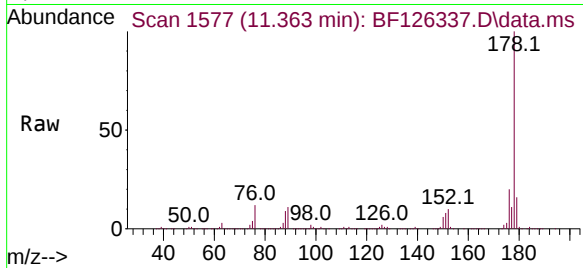




#71
Phenanthrene
Concen: 51.187 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

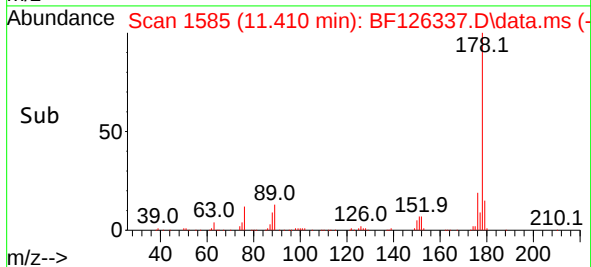
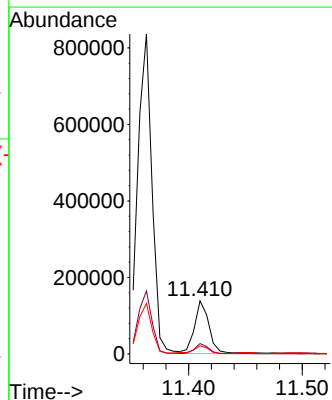
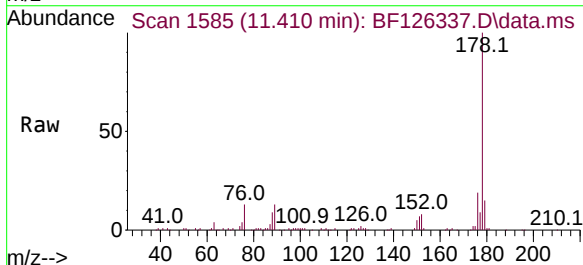
Instrument :
BNA_M
ClientSampleId :

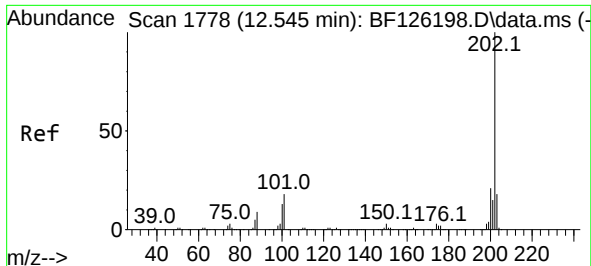
Tgt Ion:178 Resp: 734876
Ion Ratio Lower Upper
178 100
176 19.7 14.7 22.1
179 15.8 11.5 17.3



#72
Anthracene
Concen: 8.566 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

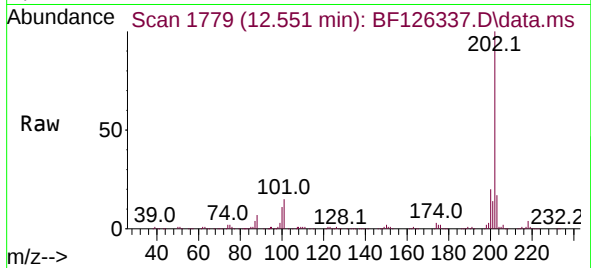
Tgt Ion:178 Resp: 123442
Ion Ratio Lower Upper
178 100
176 19.5 14.3 21.5
179 15.5 12.2 18.4



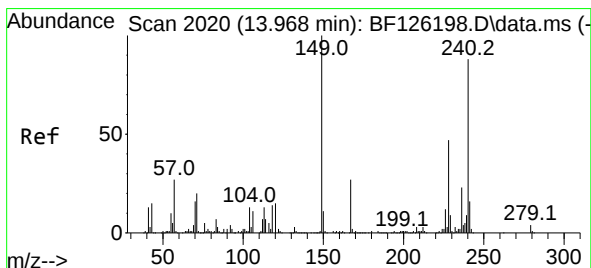
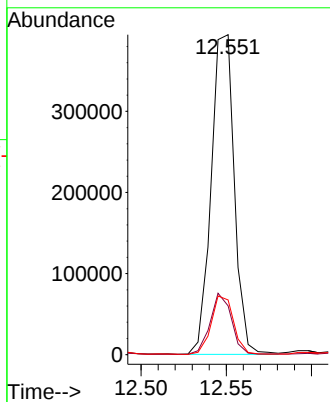
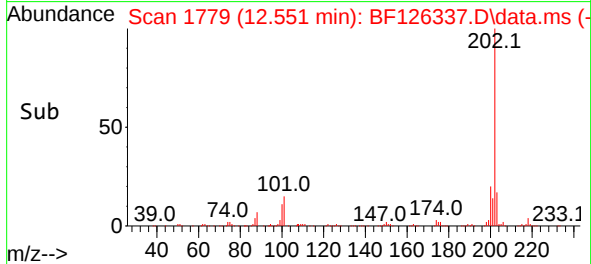


#75
Fluoranthene
Concen: 28.803 ng
RT: 12.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

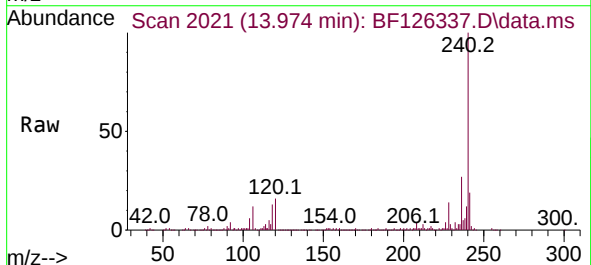
Instrument :
BNA_M
ClientSampleId :



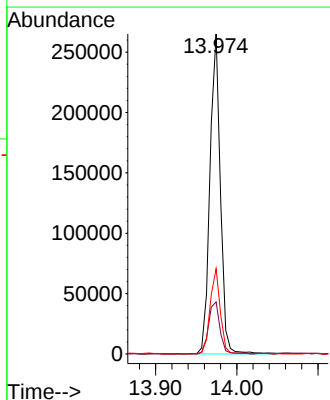
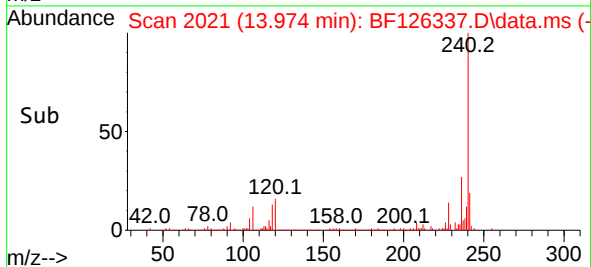
Tgt Ion:202 Resp: 372562
Ion Ratio Lower Upper
202 100
101 15.2 0.0 30.7
203 17.1 0.0 36.3

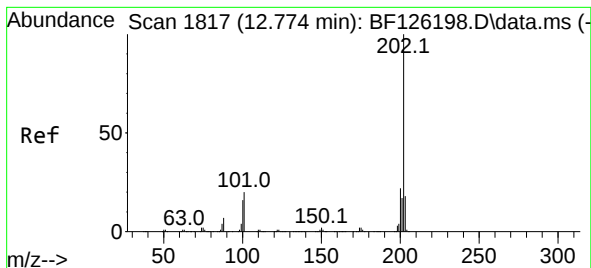


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24



Tgt Ion:240 Resp: 236419
Ion Ratio Lower Upper
240 100
120 16.3 10.8 16.2#
236 26.6 21.6 32.4





#78

Pyrene

Concen: 26.827 ng

RT: 12.780 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF126337.D

Acq: 22 Dec 2021 19:24

Instrument :

BNA_M

ClientSampleId :

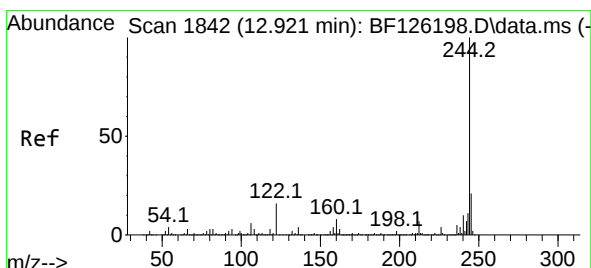
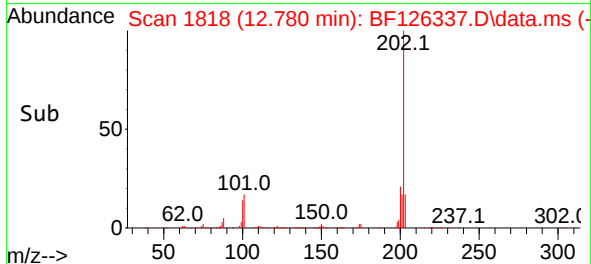
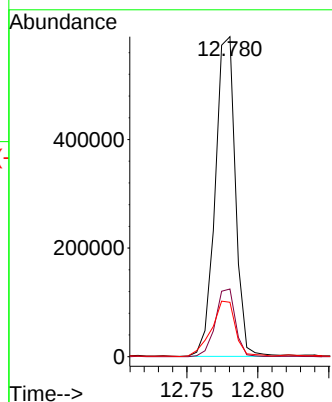
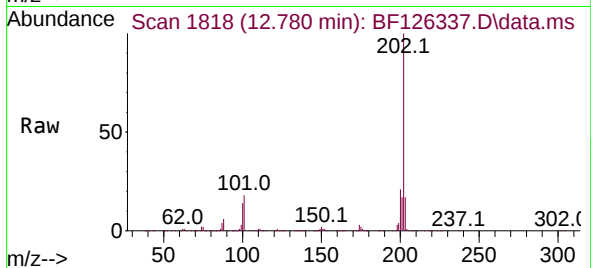
Tgt Ion:202 Resp: 582689

Ion Ratio Lower Upper

202 100

200 21.2 15.3 22.9

203 17.0 13.4 20.0



#79

Terphenyl-d14

Concen: 1.280 ng

RT: 12.922 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF126337.D

Acq: 22 Dec 2021 19:24

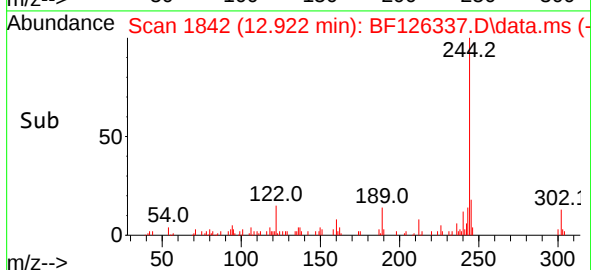
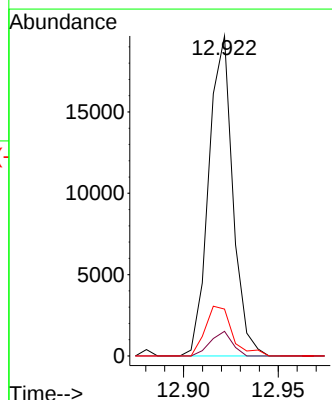
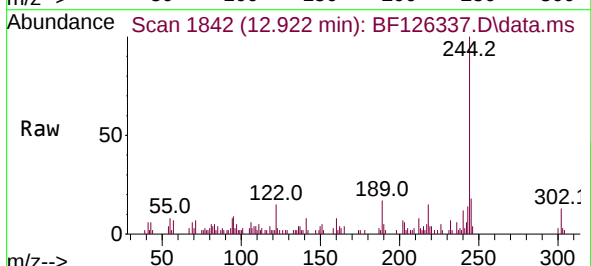
Tgt Ion:244 Resp: 17407

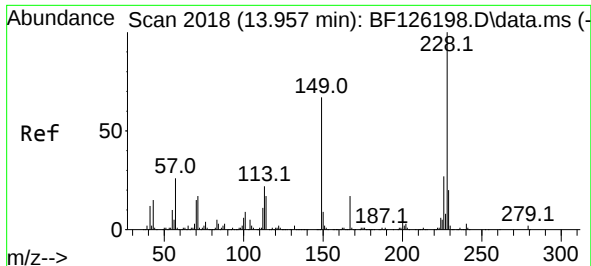
Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

122 14.6 9.0 13.4

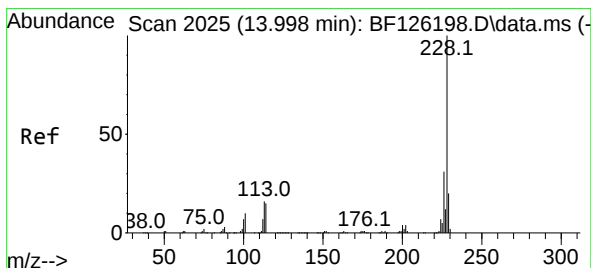
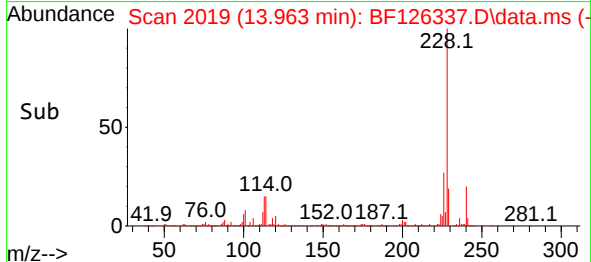
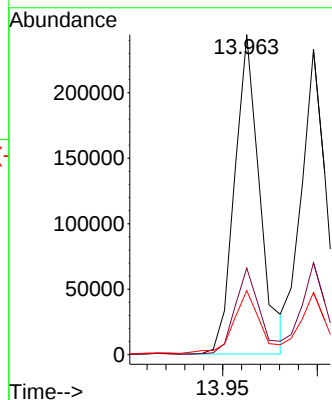
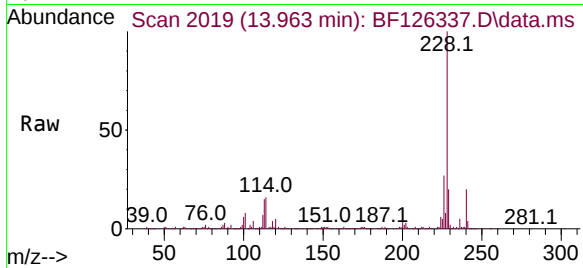




#81
Benzo(a)anthracene
Concen: 16.060 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

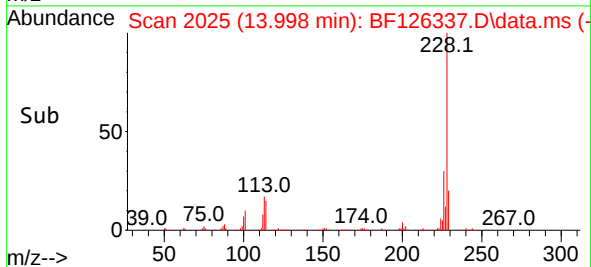
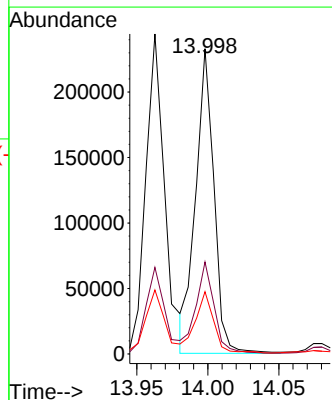
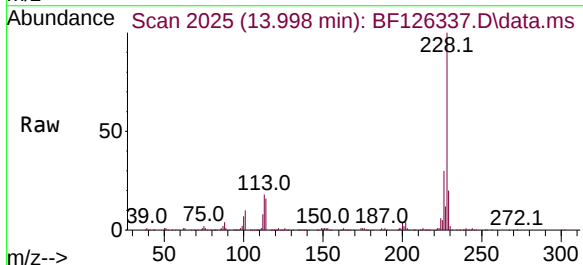
Instrument :
BNA_M
ClientSampleId :

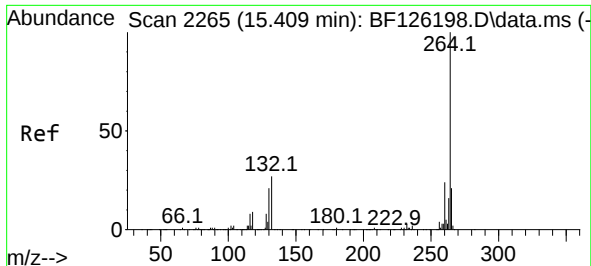
Tgt Ion:228 Resp: 224910
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 20.0 15.6 23.4



#83
Chrysene
Concen: 14.374 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

Tgt Ion:228 Resp: 209144
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 20.4 15.9 23.9

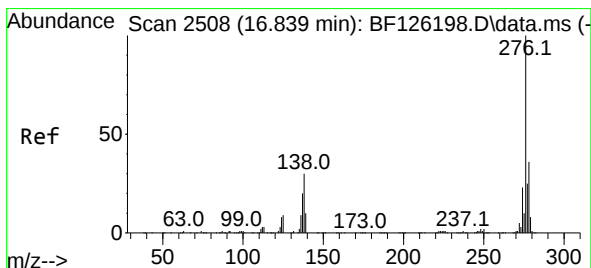
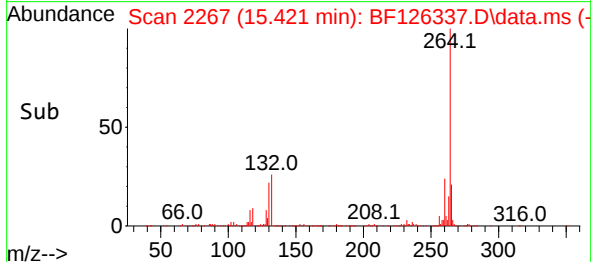
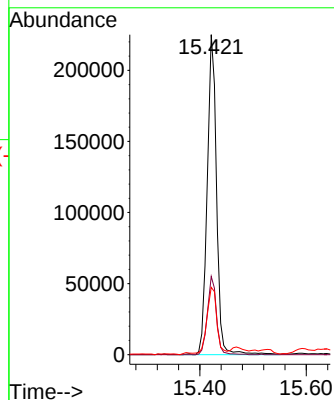
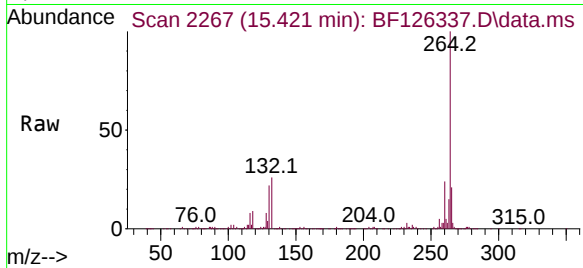




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

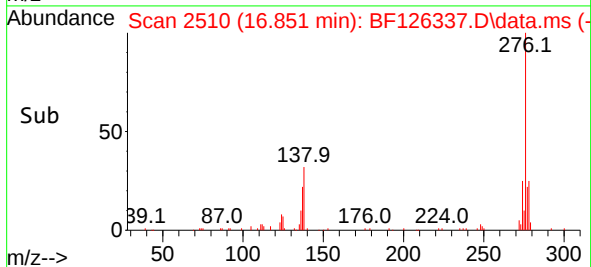
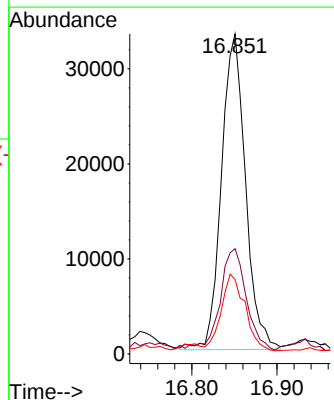
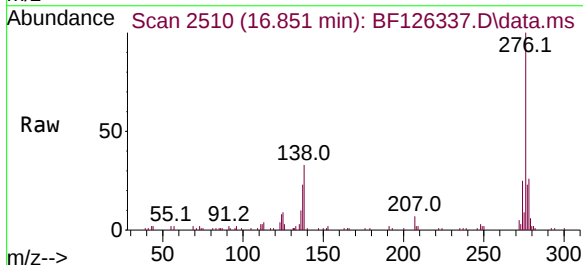
Instrument :
BNA_M
ClientSampleId :

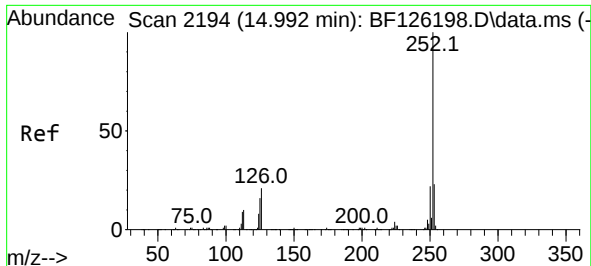
Tgt Ion:264 Resp: 274852
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 21.1 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.559 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

Tgt Ion:276 Resp: 65243
Ion Ratio Lower Upper
276 100
138 35.1 24.1 36.1
277 24.2 18.8 28.2

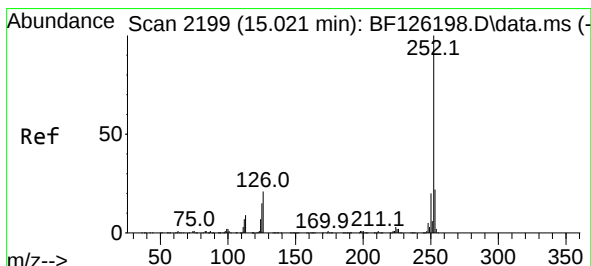
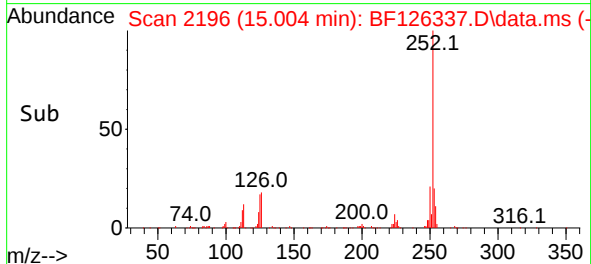
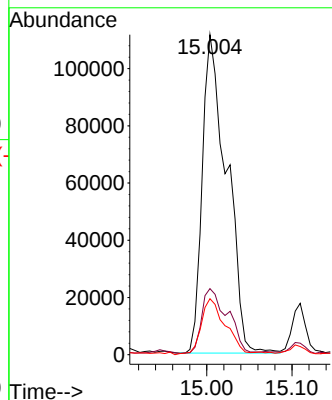
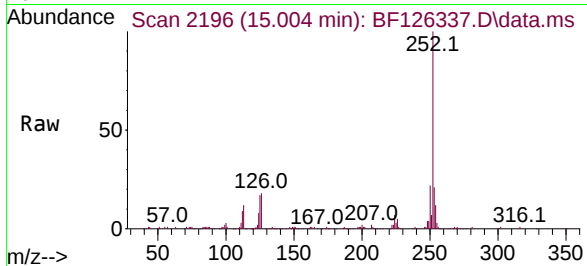




#88
Benzo(b)fluoranthene
Concen: 13.479 ng
RT: 15.004 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

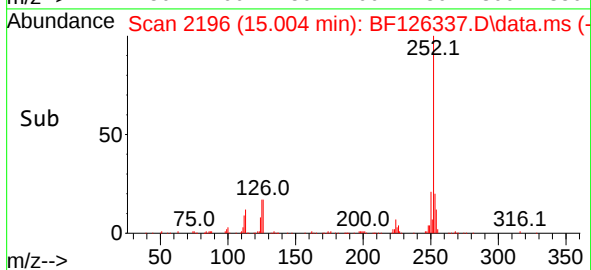
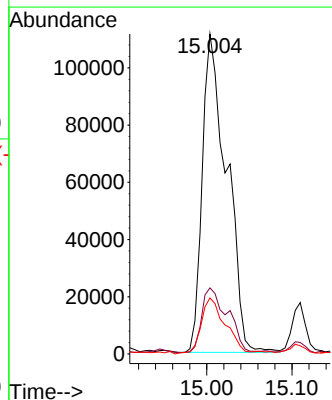
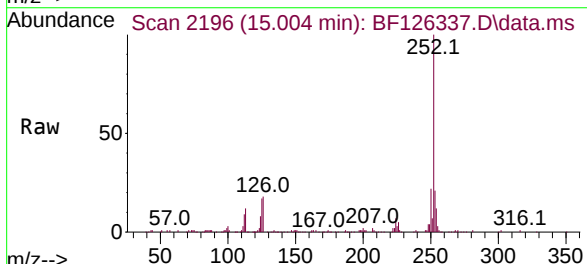
Instrument :
BNA_M
ClientSampleId :

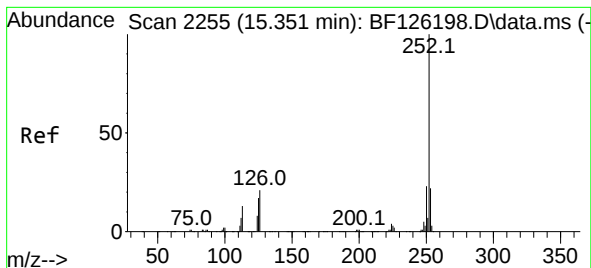
Tgt Ion:252 Resp: 222593
Ion Ratio Lower Upper
252 100
253 20.6 16.8 25.2
125 17.5 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 14.090 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.029 min
Lab File: BF126337.D
Acq: 22 Dec 2021 19:24

Tgt Ion:252 Resp: 222593
Ion Ratio Lower Upper
252 100
253 20.6 17.8 26.8
125 17.5 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 10.343 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126337.D

Acq: 22 Dec 2021 19:24

Instrument :

BNA_M

ClientSampleId :

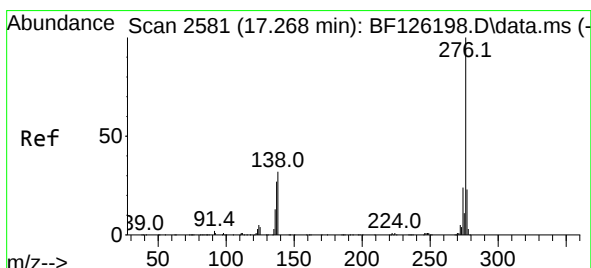
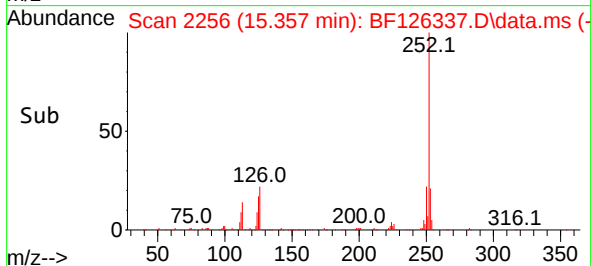
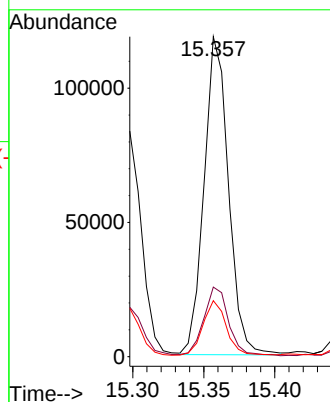
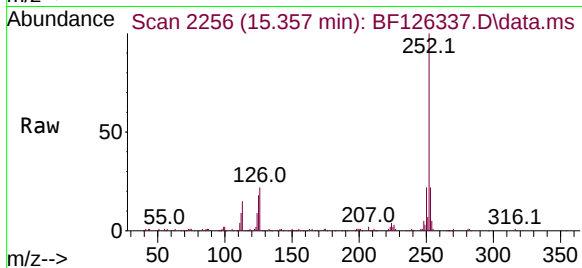
Tgt Ion:252 Resp: 141970

Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

125 17.5 9.9 14.9#



#92

Benzo(g,h,i)perylene

Concen: 4.333 ng

RT: 17.274 min Scan# 2582

Delta R.T. -0.023 min

Lab File: BF126337.D

Acq: 22 Dec 2021 19:24

Tgt Ion:276 Resp: 66805

Ion Ratio Lower Upper

276 100

277 22.5 22.0 33.0

138 31.8 22.2 33.4

