

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126237.D
 Acq On : 17 Dec 2021 16:14
 Operator : JU/CG
 Sample : M5083-11DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 17 16:36:09 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)

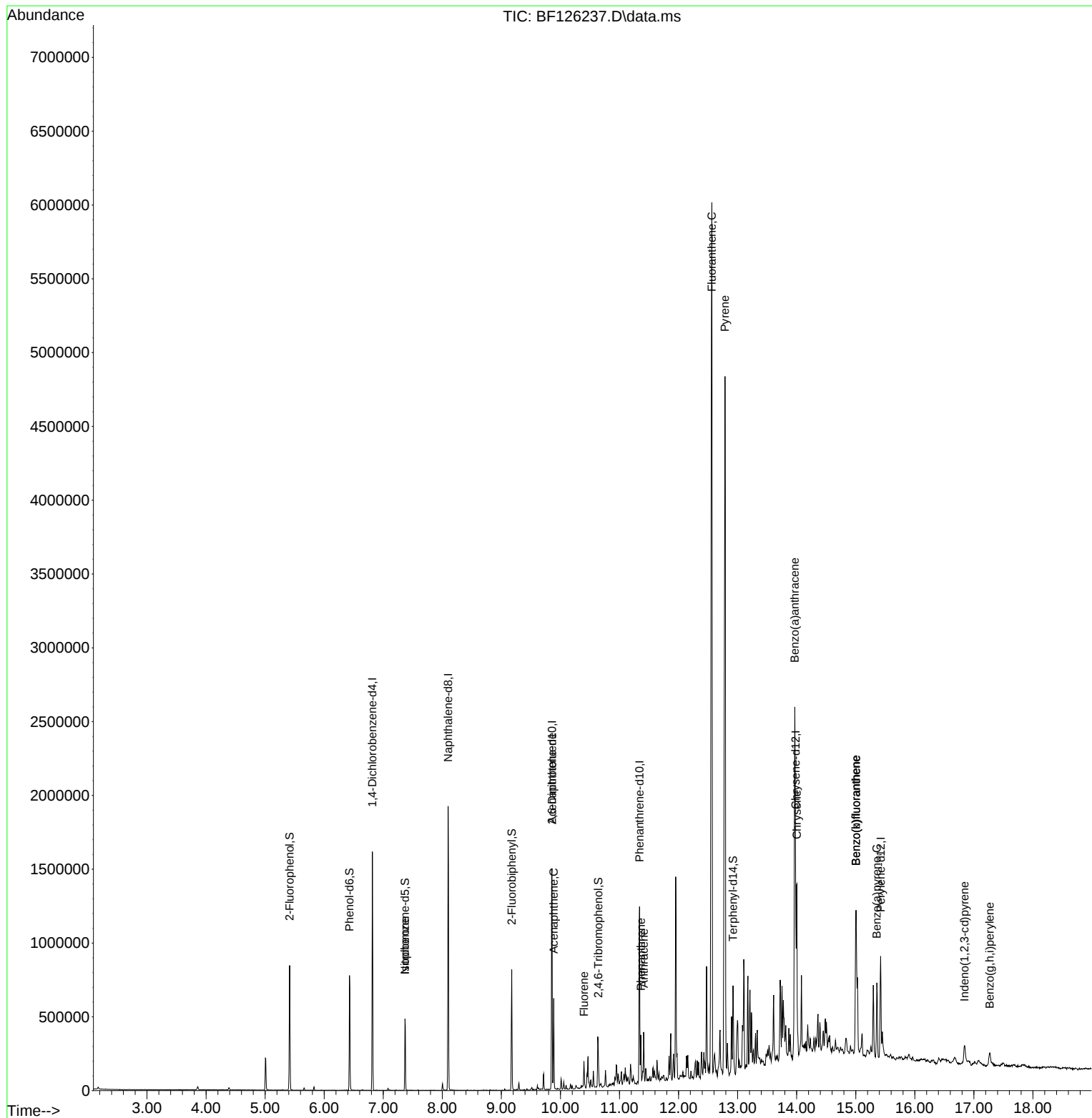
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	210437	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	791432	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	307481	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	412240	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	331416	20.000	ng	0.01
86) Perylene-d12	15.421	264	270750	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	214644	15.021	ng	0.00
7) Phenol-d6	6.428	99	259068	14.278	ng	-0.02
23) Nitrobenzene-d5	7.369	82	147257	10.077	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	29464	11.924	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	213202	12.161	ng	0.00
79) Terphenyl-d14	12.921	244	147056	7.712	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.369	82	145511	5.273	ng	# 59
51) 2,6-Dinitrotoluene	9.857	165	39154	9.287	ng	# 27
52) Acenaphthene	9.886	154	115138	6.793	ng	99
58) Fluorene	10.398	166	42282	2.531	ng	99
71) Phenanthrene	11.363	178	117747	5.534	ng	98
72) Anthracene	11.410	178	122012	5.713	ng	99
75) Fluoranthene	12.563	202	2853524	148.853	ng	89
78) Pyrene	12.786	202	2242053	73.636	ng	94
81) Benzo(a)anthracene	13.968	228	775249	39.490	ng	98
83) Chrysene	14.004	228	514740	25.236	ng	96
87) Indeno(1,2,3-cd)pyrene	16.839	276	71203	3.943	ng	94
88) Benzo(b)fluoranthene	15.004	252	690005	42.415	ng	# 94
89) Benzo(k)fluoranthene	15.004	252	690005	44.338	ng	# 93
90) Benzo(a)pyrene	15.357	252	225068	16.646	ng	# 93
92) Benzo(g,h,i)perylene	17.268	276	57355	3.776	ng	# 91

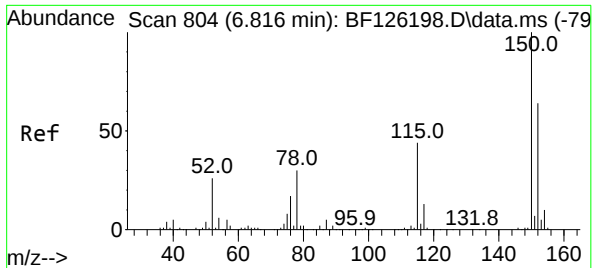
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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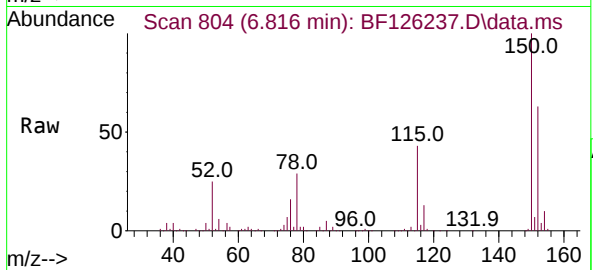
Quant Time: Dec 17 16:36:09 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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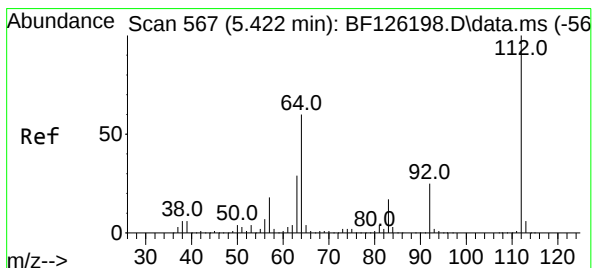
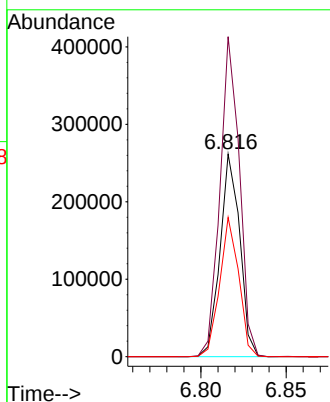
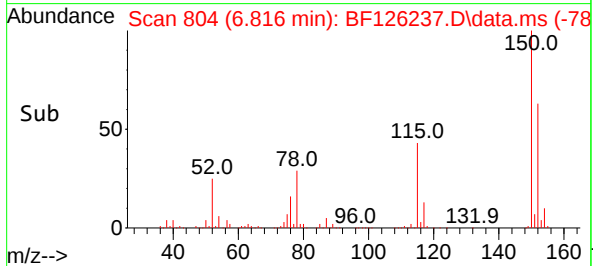


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. -0.000 min
 Lab File: BF126237.D
 Acq: 17 Dec 2021 16:14

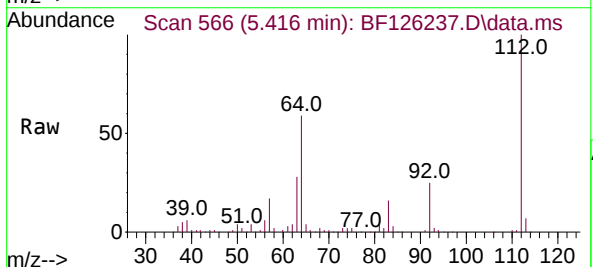
Instrument :
 BNA_M
 ClientSampleId :



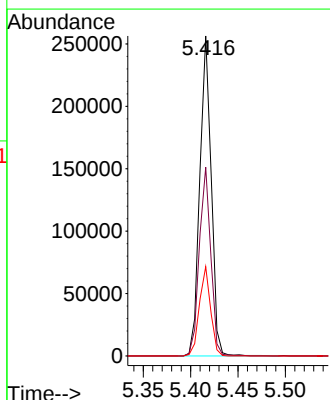
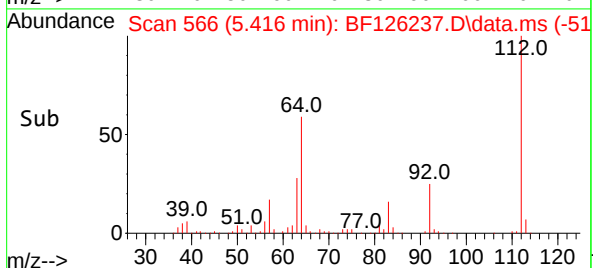
Tgt Ion:152 Resp: 210437
 Ion Ratio Lower Upper
 152 100
 150 158.0 117.6 176.4
 115 68.7 47.1 70.7

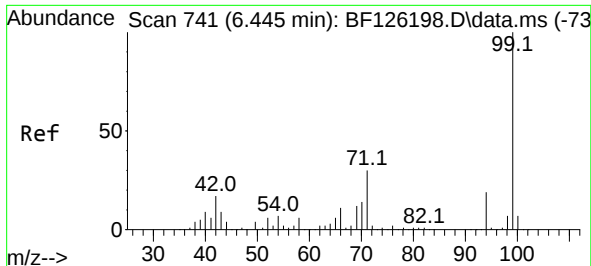


#5
 2-Fluorophenol
 Concen: 15.021 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.006 min
 Lab File: BF126237.D
 Acq: 17 Dec 2021 16:14



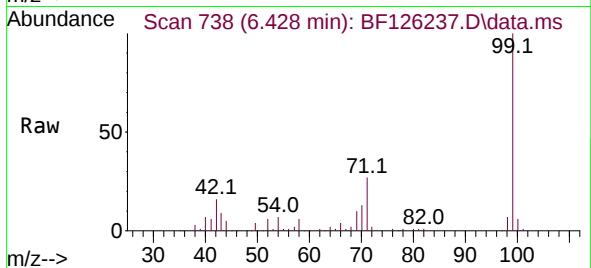
Tgt Ion:112 Resp: 214644
 Ion Ratio Lower Upper
 112 100
 64 59.0 44.2 66.2
 63 27.9 26.2 39.2



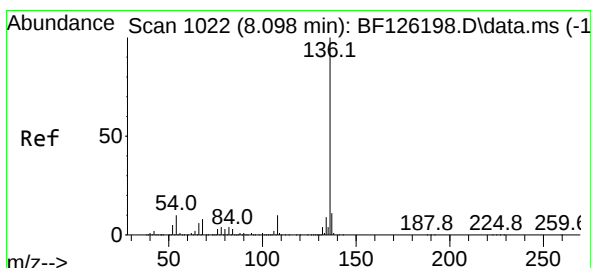
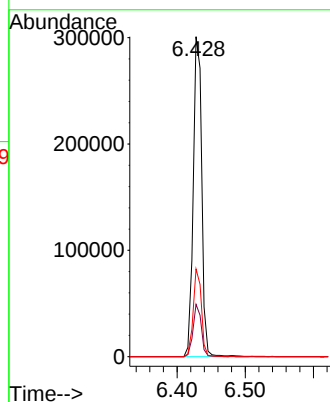
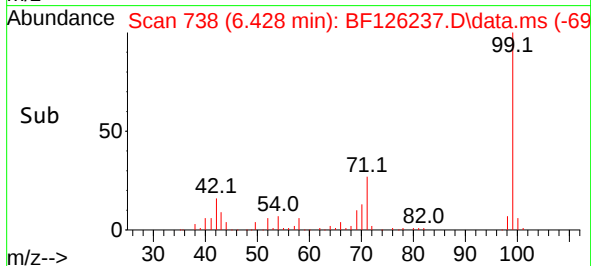


#7
Phenol-d6
Concen: 14.278 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

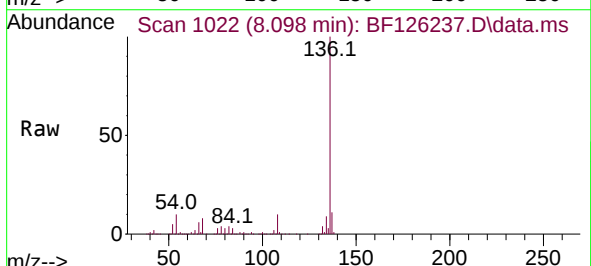
Instrument :
BNA_M
ClientSampleId :



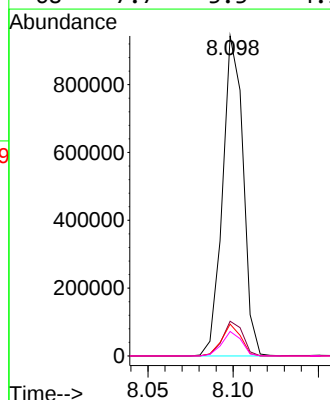
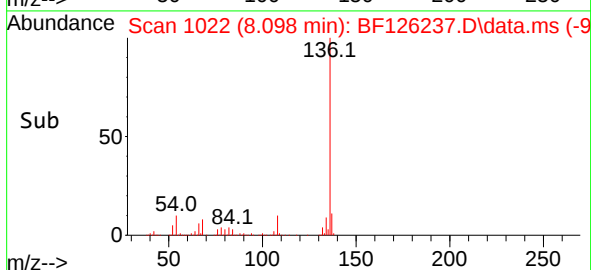
Tgt Ion: 99 Resp: 259068
Ion Ratio Lower Upper
99 100
42 16.4 23.5 35.3#
71 27.4 25.6 38.4

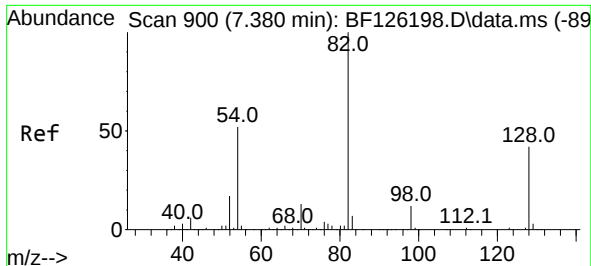


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14



Tgt Ion: 136 Resp: 791432
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 10.0 6.4 9.6#
68 7.7 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 10.077 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

Instrument :

BNA_M

ClientSampleId :

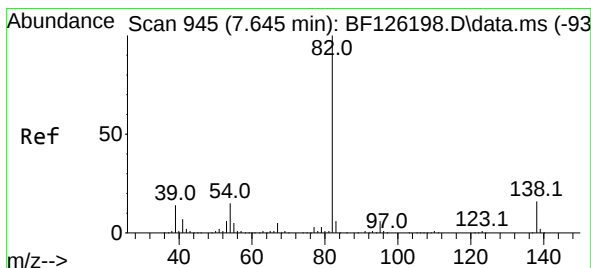
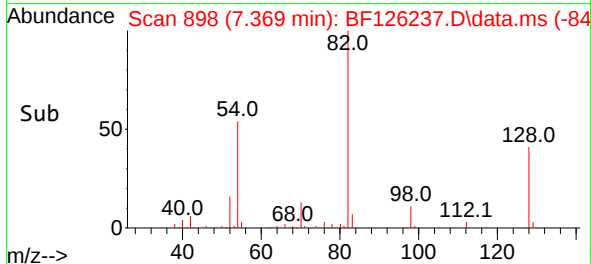
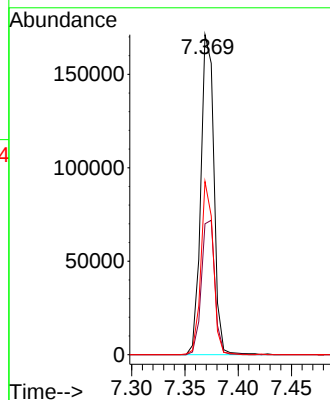
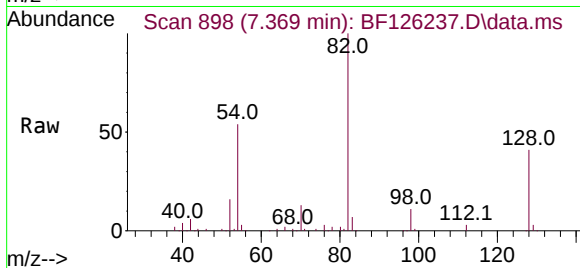
Tgt Ion: 82 Resp: 147257

Ion Ratio Lower Upper

82 100

128 40.9 40.6 60.8

54 54.1 49.6 74.4



#25

Isophorone

Concen: 5.273 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.276 min

Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

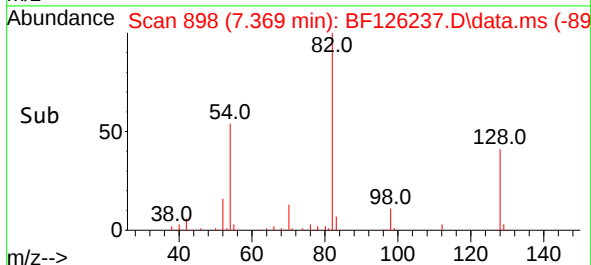
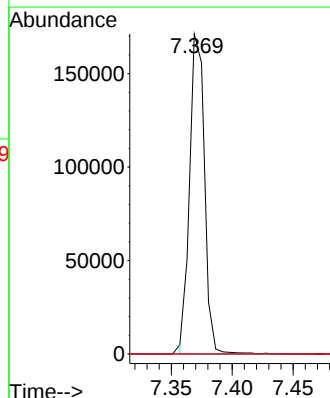
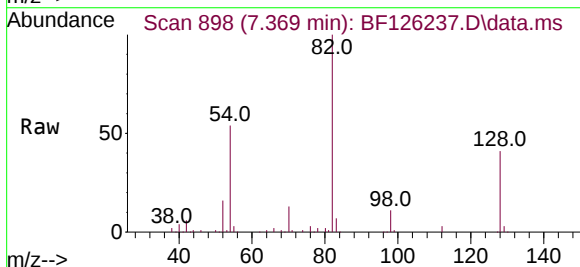
Tgt Ion: 82 Resp: 145511

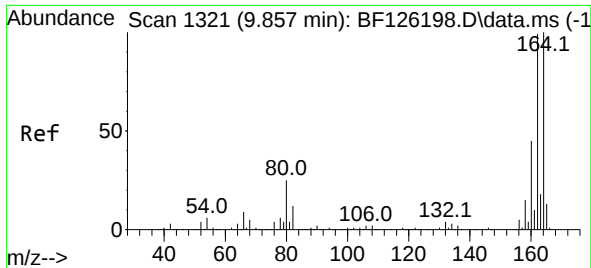
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

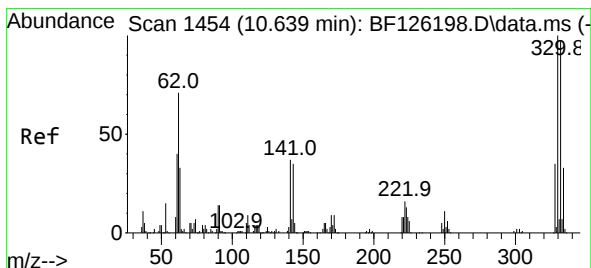
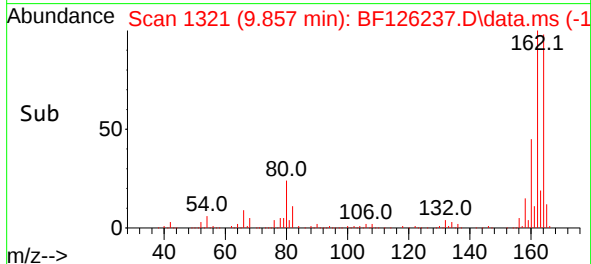
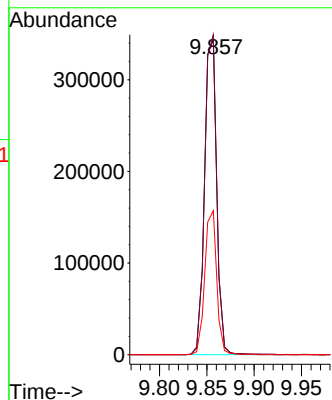
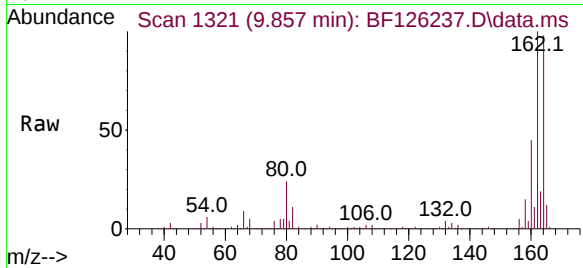




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

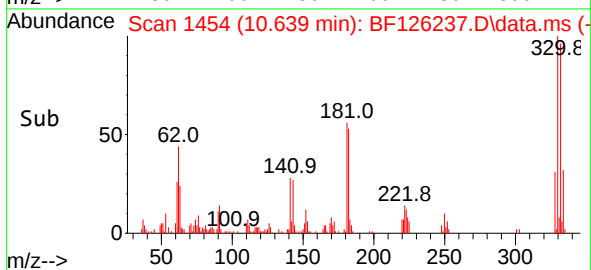
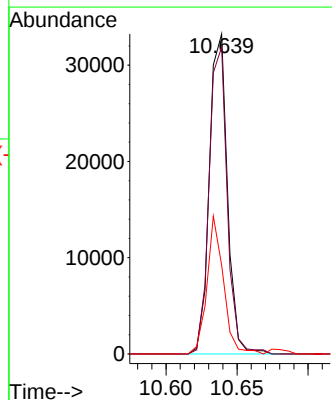
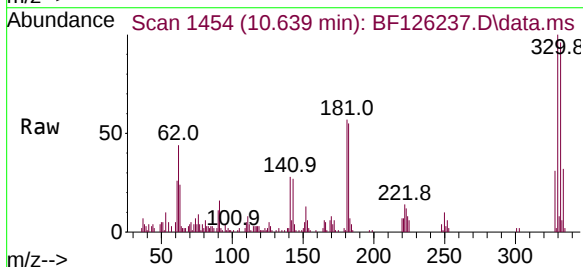
Instrument :
BNA_M
ClientSampleId :

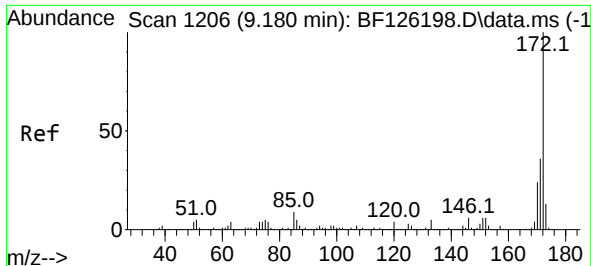
Tgt Ion:164 Resp: 307481
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 45.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 11.924 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

Tgt Ion:330 Resp: 29464
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 39.2 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 12.161 ng

RT: 9.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

Instrument :

BNA_M

ClientSampleId :

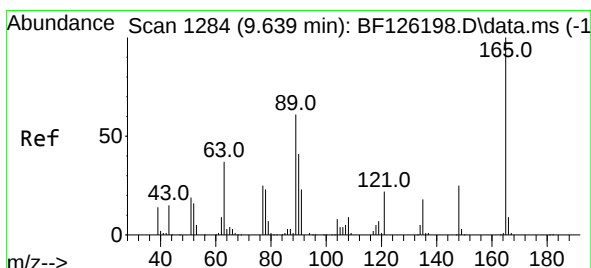
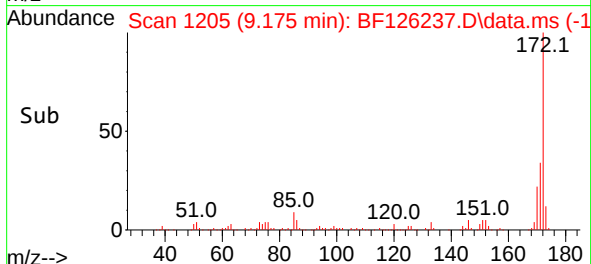
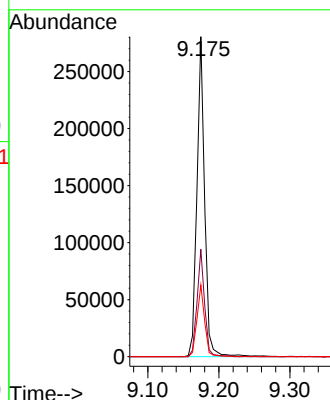
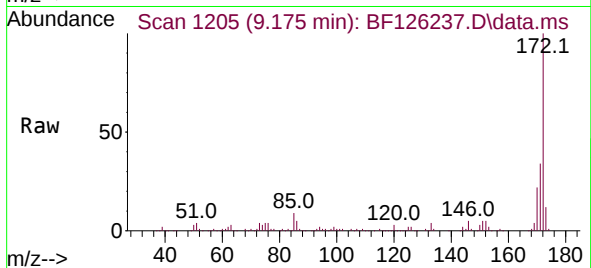
Tgt Ion:172 Resp: 213202

Ion Ratio Lower Upper

172 100

171 33.6 26.5 39.7

170 22.4 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.287 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.218 min

Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

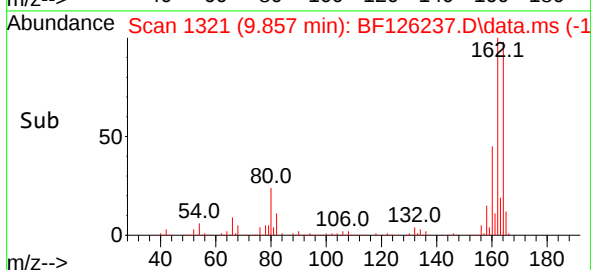
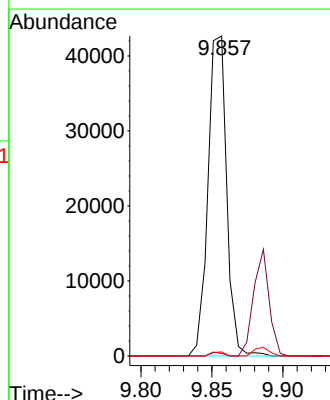
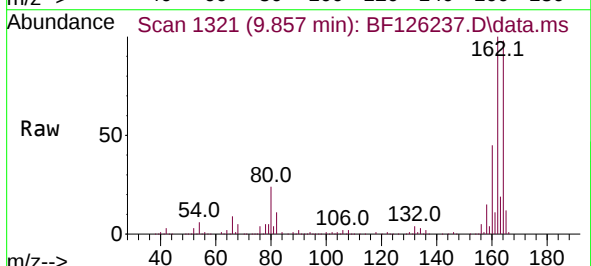
Tgt Ion:165 Resp: 39154

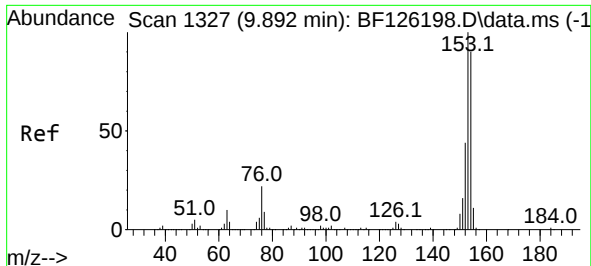
Ion Ratio Lower Upper

165 100

63 0.8 42.6 63.8#

89 1.3 40.6 60.8#

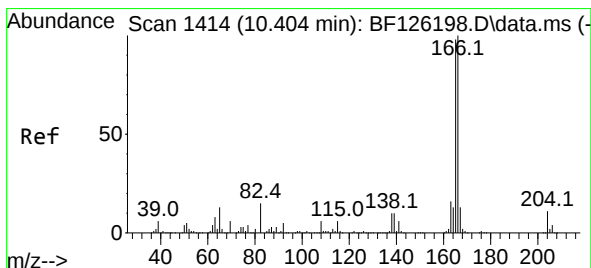
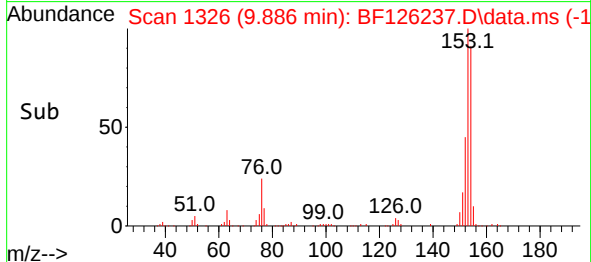
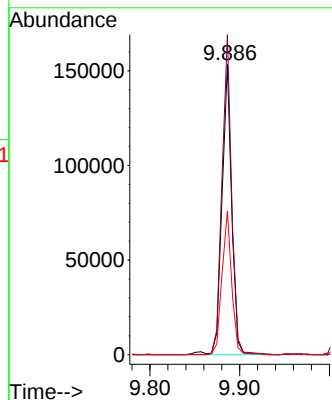
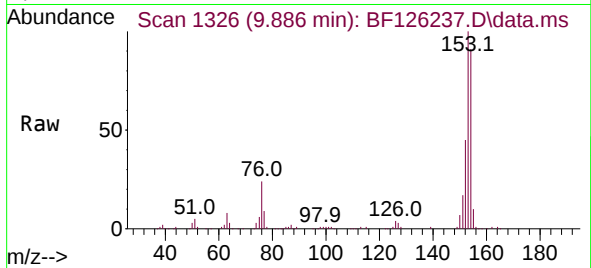




#52
Acenaphthene
Concen: 6.793 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

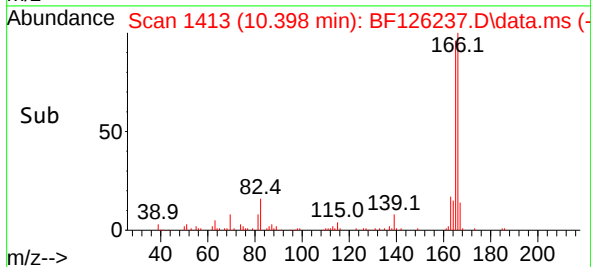
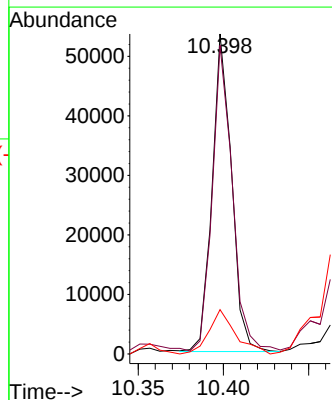
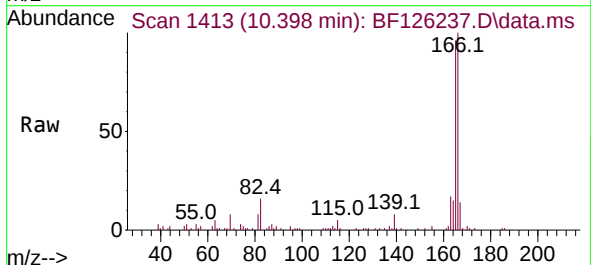
Instrument :
BNA_M
ClientSampleId :

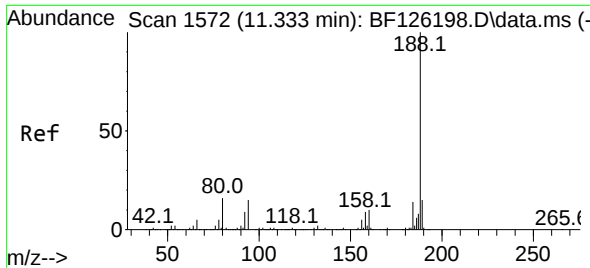
Tgt Ion:154 Resp: 115138
Ion Ratio Lower Upper
154 100
153 110.3 89.4 134.2
152 49.5 40.5 60.7



#58
Fluorene
Concen: 2.531 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

Tgt Ion:166 Resp: 42282
Ion Ratio Lower Upper
166 100
165 96.4 78.1 117.1
167 13.8 11.1 16.7

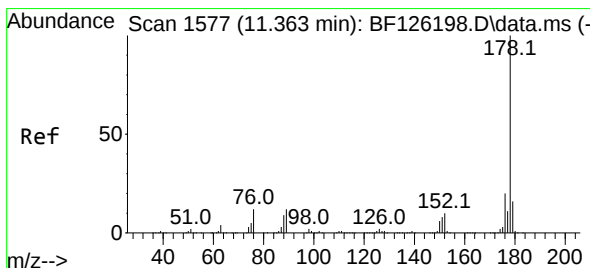
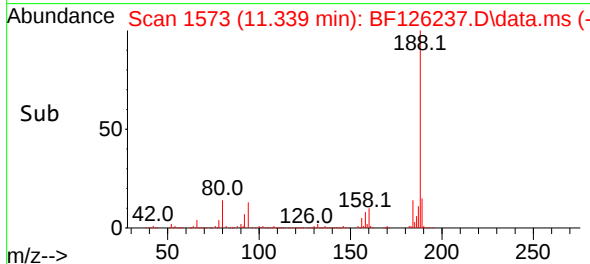
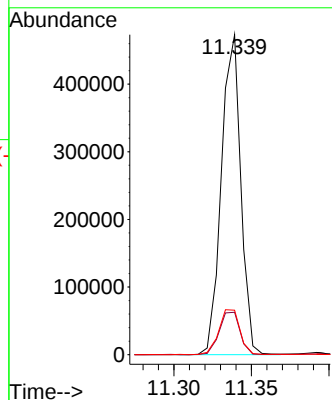
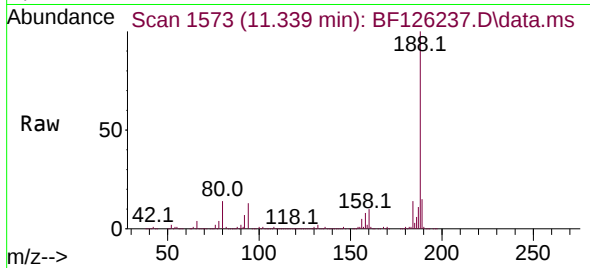




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

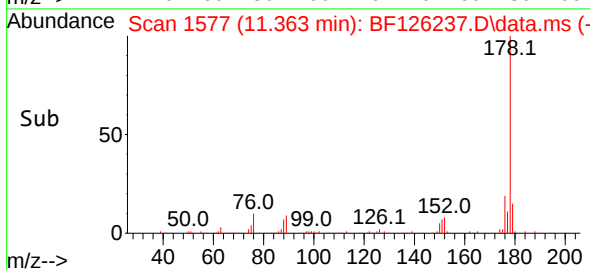
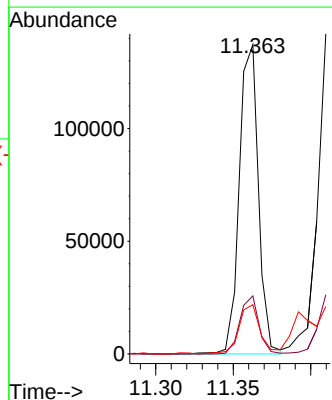
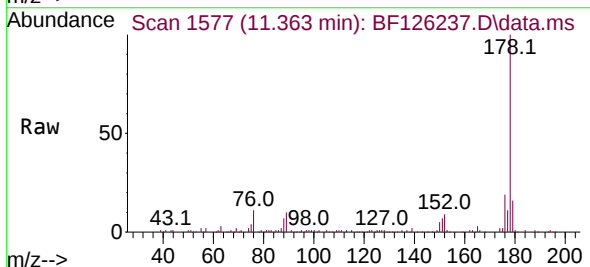
Instrument :
BNA_M
ClientSampleId :

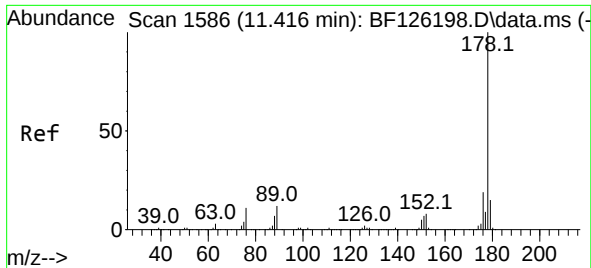
Tgt Ion:188 Resp: 412240
Ion Ratio Lower Upper
188 100
94 13.2 6.7 10.1#
80 13.9 7.5 11.3#



#71
Phenanthrene
Concen: 5.534 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

Tgt Ion:178 Resp: 117747
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.9 11.5 17.3

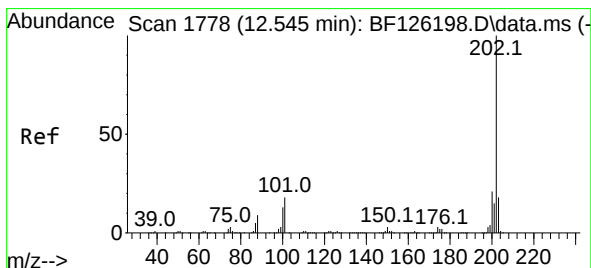
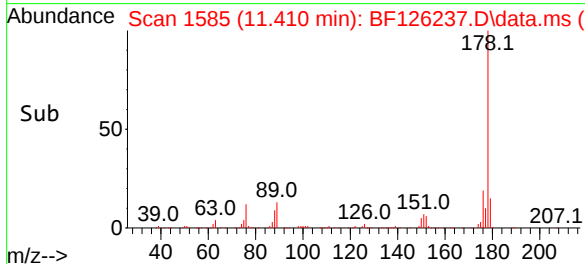
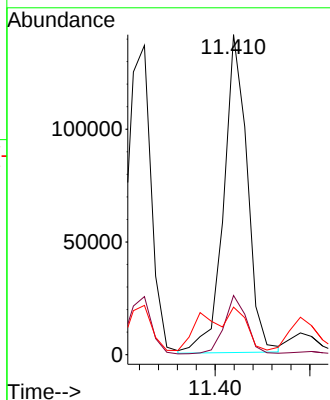
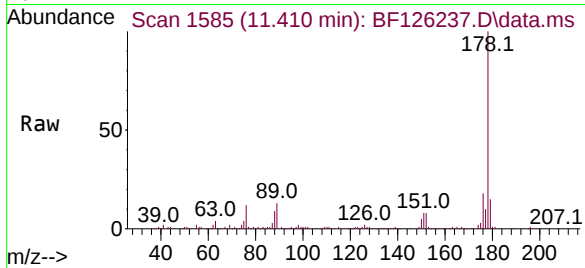




#72
 Anthracene
 Concen: 5.713 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126237.D
 Acq: 17 Dec 2021 16:14

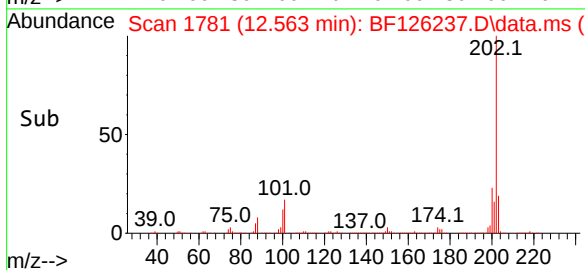
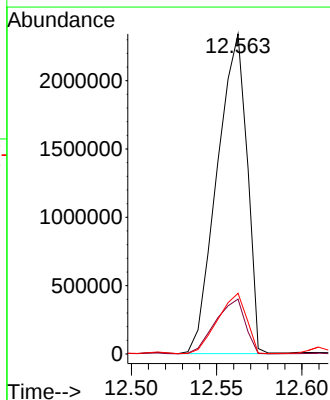
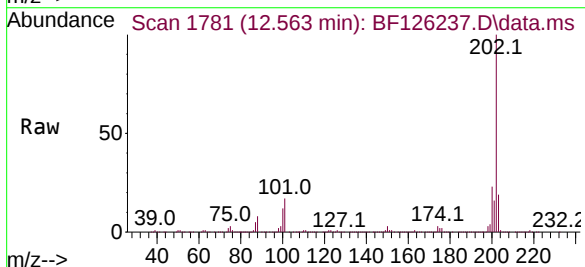
Instrument :
 BNA_M
 ClientSampleId :

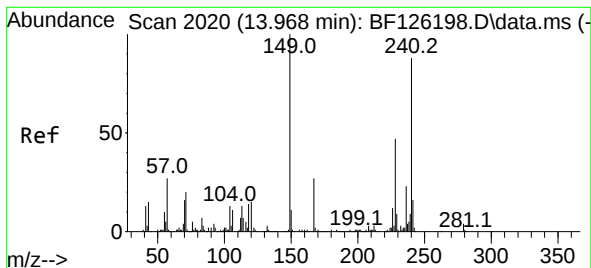
Tgt Ion:178 Resp: 122012
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.3 21.5
 179 14.9 12.2 18.4



#75
 Fluoranthene
 Concen: 148.853 ng
 RT: 12.563 min Scan# 1781
 Delta R.T. 0.018 min
 Lab File: BF126237.D
 Acq: 17 Dec 2021 16:14

Tgt Ion:202 Resp: 2853524
 Ion Ratio Lower Upper
 202 100
 101 17.1 0.0 30.7
 203 19.0 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

Instrument :

BNA_M

ClientSampleId :

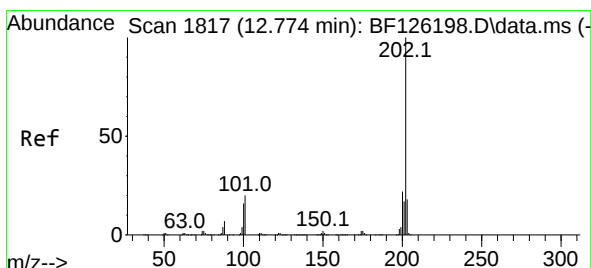
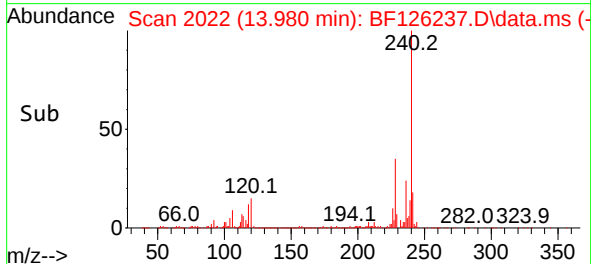
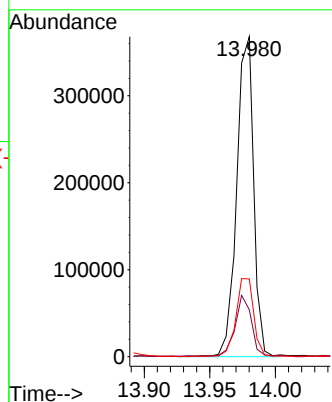
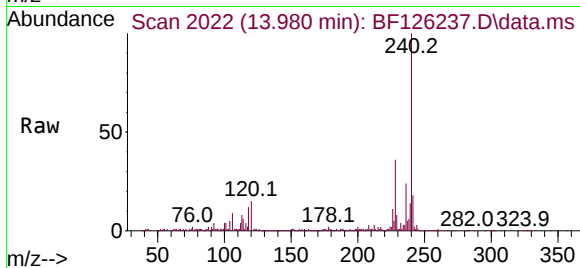
Tgt Ion:240 Resp: 331416

Ion Ratio Lower Upper

240 100

120 14.7 10.8 16.2

236 24.3 21.6 32.4



#78

Pyrene

Concen: 73.636 ng

RT: 12.786 min Scan# 1819

Delta R.T. 0.012 min

Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

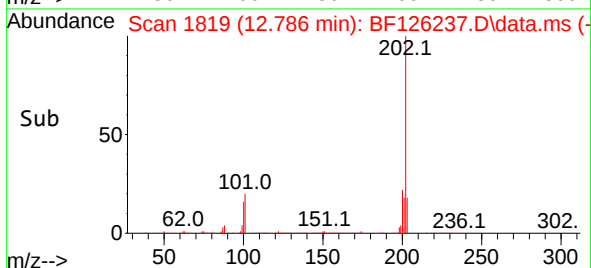
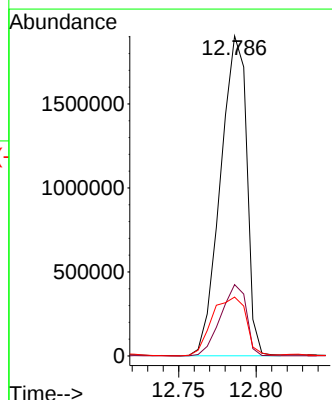
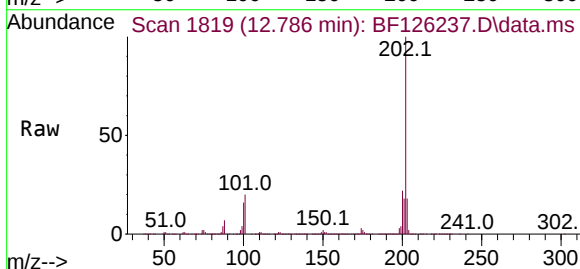
Tgt Ion:202 Resp: 2242053

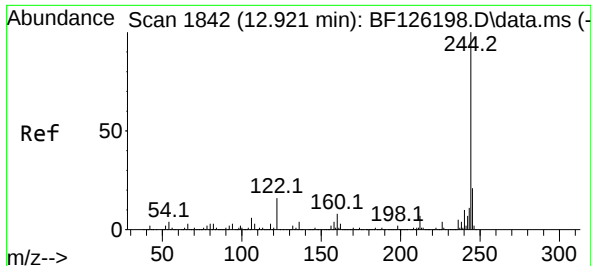
Ion Ratio Lower Upper

202 100

200 22.3 15.3 22.9

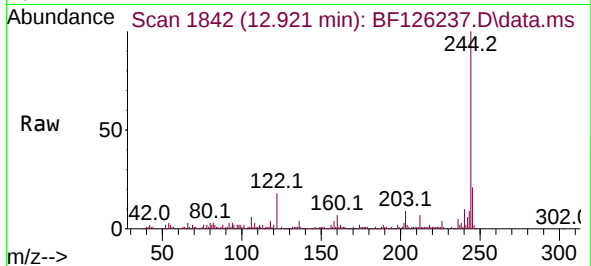
203 18.4 13.4 20.0



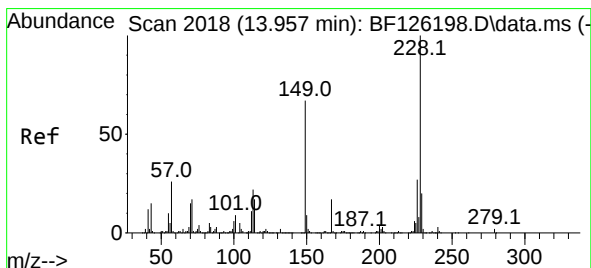
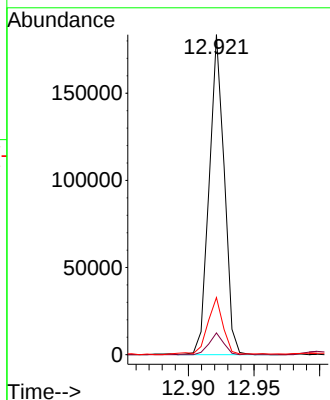
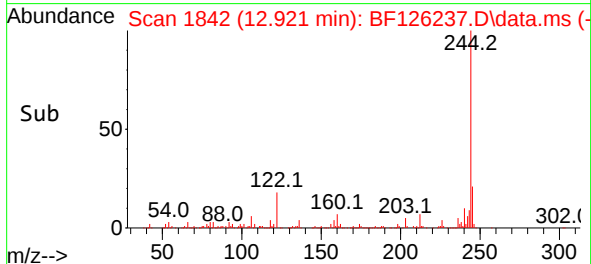


#79
 Terphenyl-d14
 Concen: 7.712 ng
 RT: 12.921 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF126237.D
 Acq: 17 Dec 2021 16:14

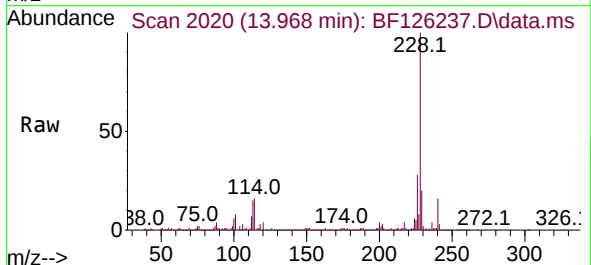
Instrument :
 BNA_M
 ClientSampleId :



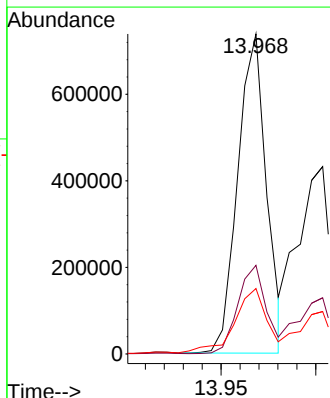
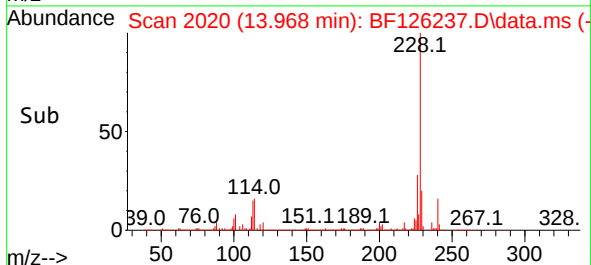
Tgt Ion:244 Resp: 147056
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 17.9 9.0 13.4#

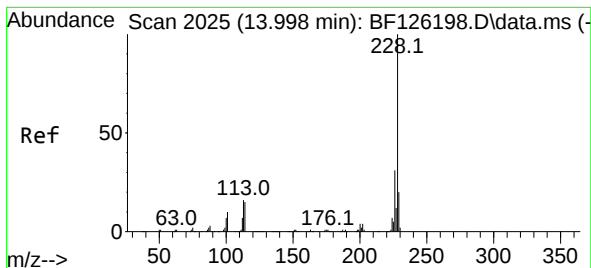


#81
 Benzo(a)anthracene
 Concen: 39.490 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. 0.012 min
 Lab File: BF126237.D
 Acq: 17 Dec 2021 16:14



Tgt Ion:228 Resp: 775249
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.6 32.4
 229 20.5 15.6 23.4





#83

Chrysene

Concen: 25.236 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

Instrument :

BNA_M

ClientSampleId :

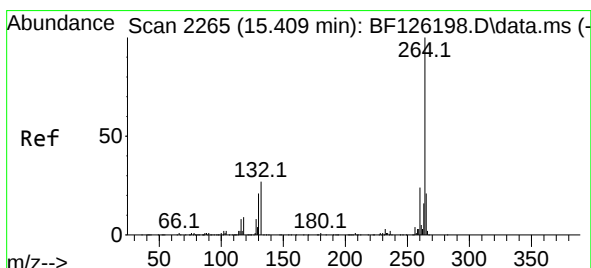
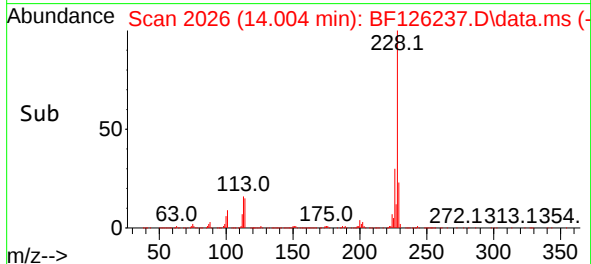
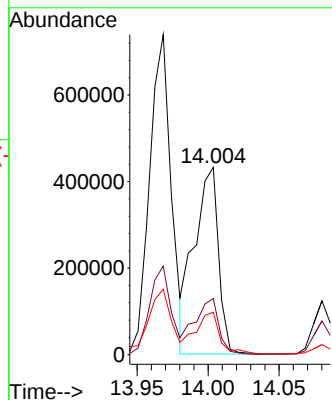
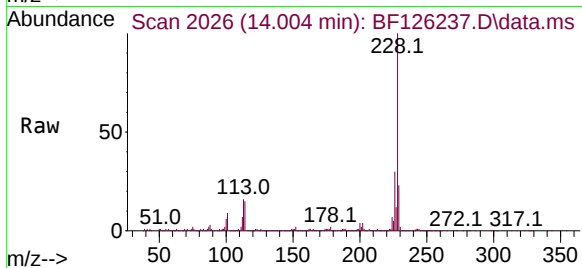
Tgt Ion:228 Resp: 514740

Ion Ratio Lower Upper

228 100

226 30.0 22.6 34.0

229 22.7 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.012 min

Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

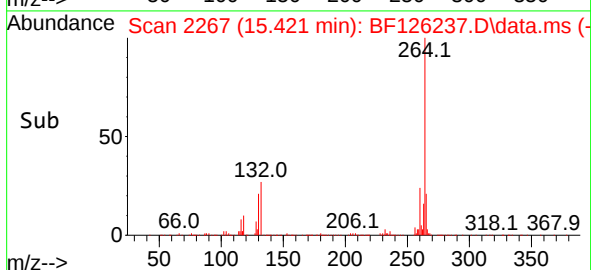
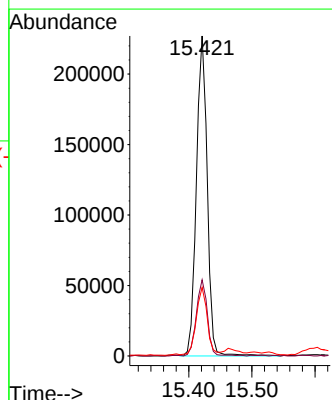
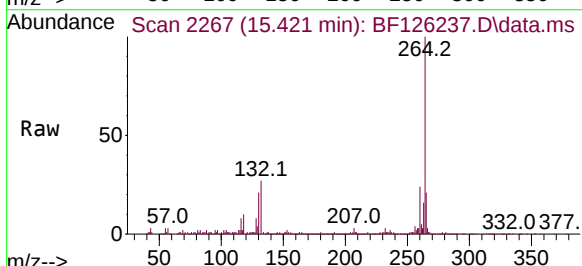
Tgt Ion:264 Resp: 270750

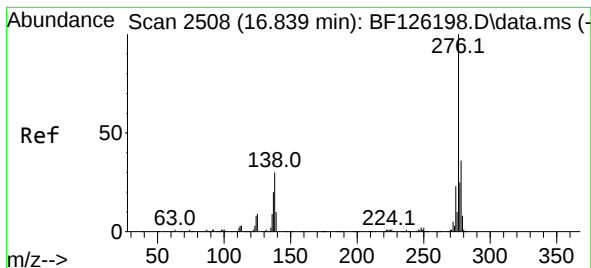
Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

265 21.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.943 ng

RT: 16.839 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

Instrument :

BNA_M

ClientSampleId :

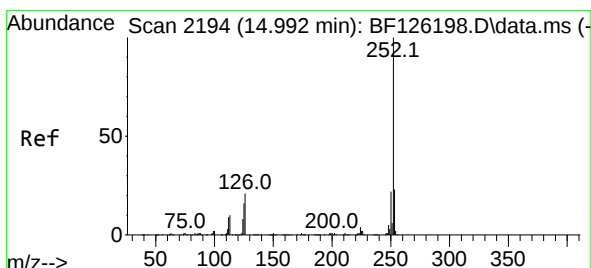
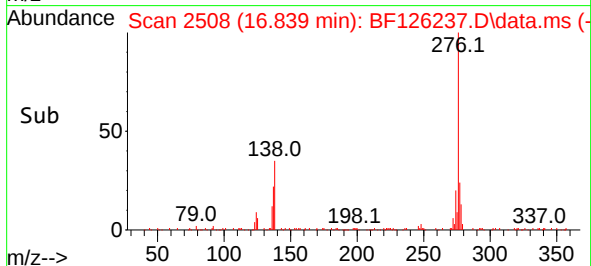
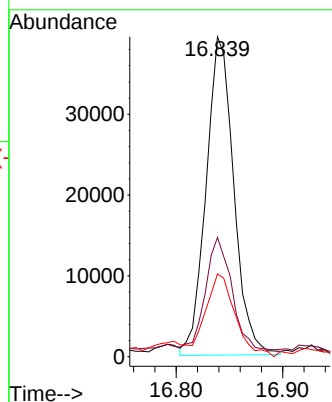
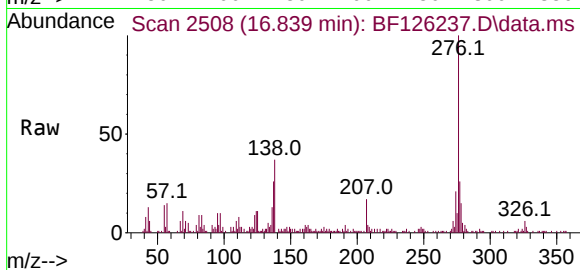
Tgt Ion:276 Resp: 71203

Ion Ratio Lower Upper

276 100

138 33.0 24.1 36.1

277 27.1 18.8 28.2



#88

Benzo(b)fluoranthene

Concen: 42.415 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

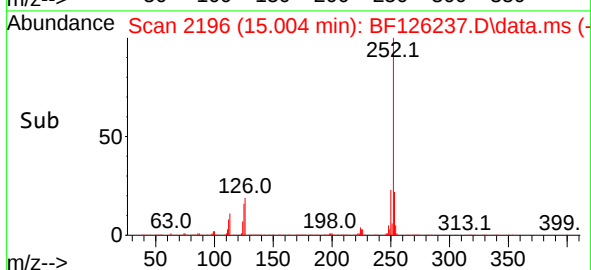
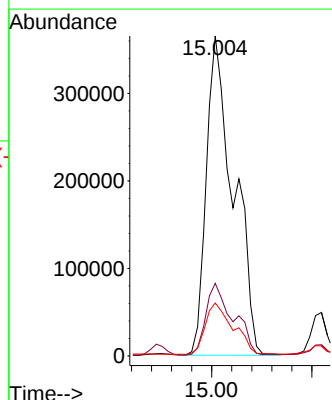
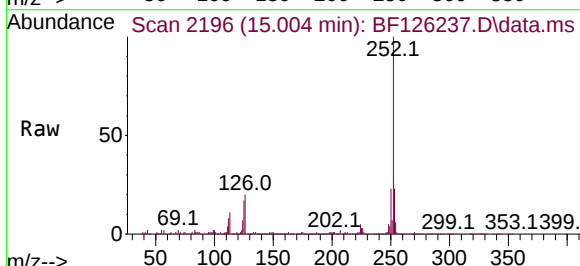
Tgt Ion:252 Resp: 690005

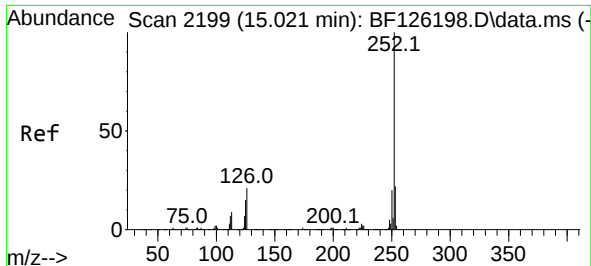
Ion Ratio Lower Upper

252 100

253 22.7 16.8 25.2

125 16.6 9.8 14.8#

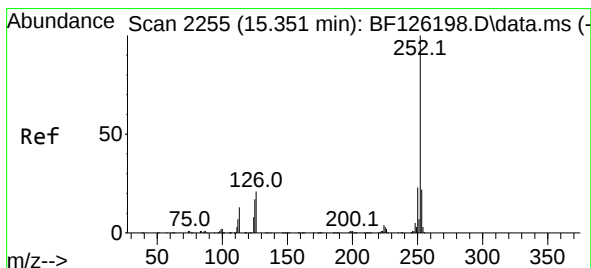
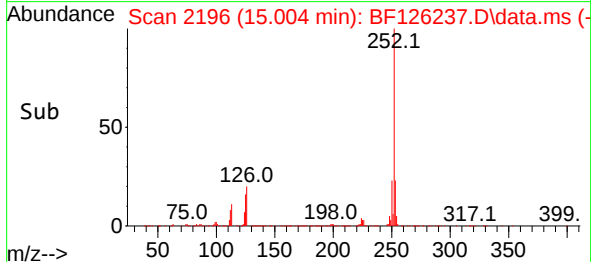
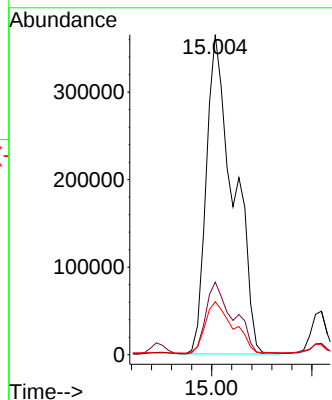
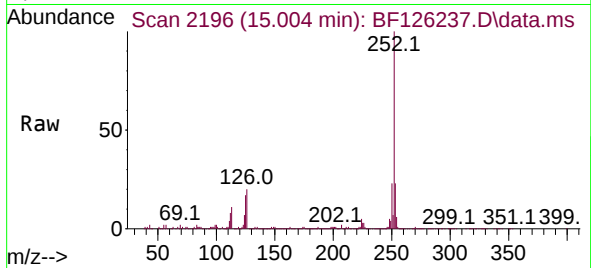




#89
Benzo(k)fluoranthene
Concen: 44.338 ng
RT: 15.004 min Scan# 2199
Delta R.T. -0.018 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

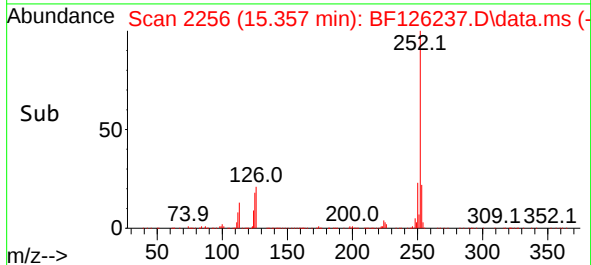
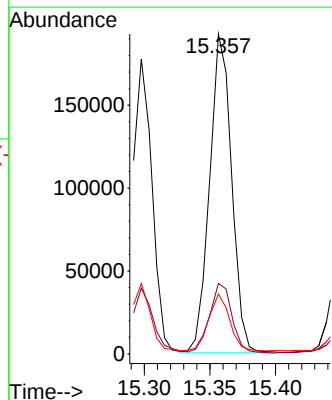
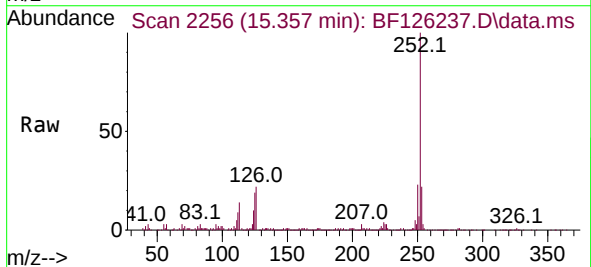
Instrument :
BNA_M
ClientSampleId :

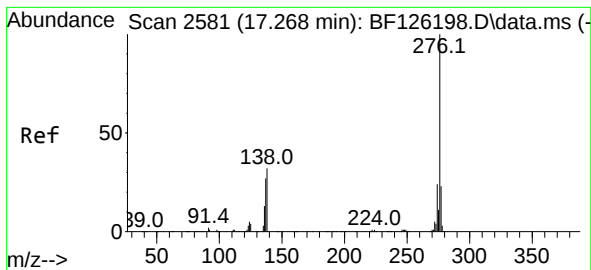
Tgt Ion:252 Resp: 690005
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 16.6 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 16.646 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

Tgt Ion:252 Resp: 225068
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 18.7 9.9 14.9#





#92

Benzo(g,h,i)perylene

Concen: 3.776 ng

RT: 17.268 min Scan# 21

Delta R.T. 0.000 min

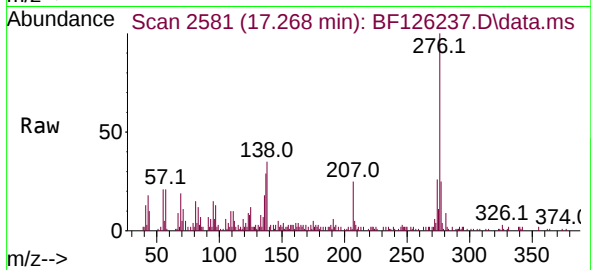
Lab File: BF126237.D

Acq: 17 Dec 2021 16:14

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 57355

Ion Ratio Lower Upper

276 100

277 24.8 22.0 33.0

138 34.6 22.2 33.4#

