

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126235.D
 Acq On : 17 Dec 2021 15:08
 Operator : JU/CG
 Sample : M5030-03 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 17 15:30:54 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

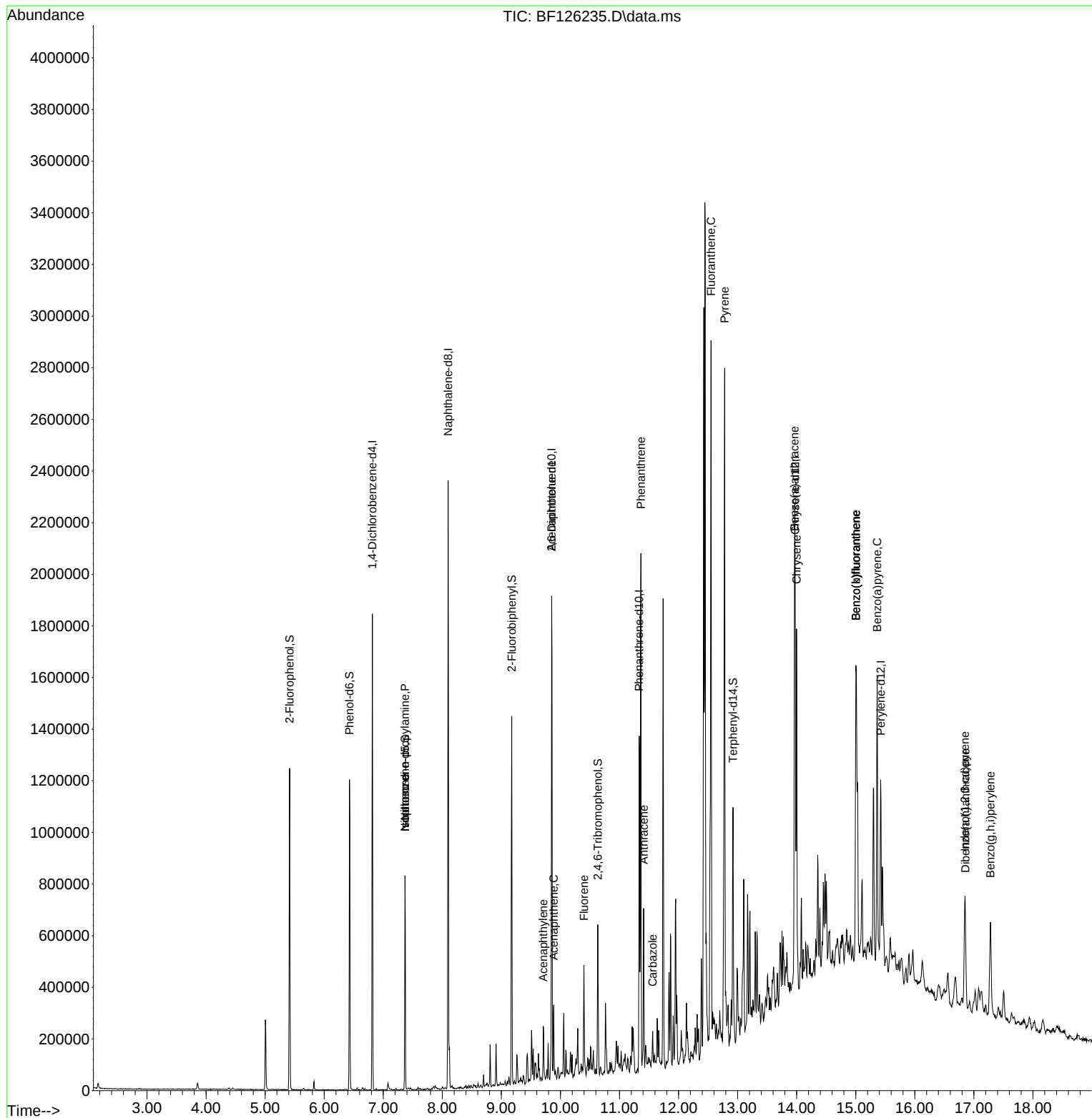
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	235069	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	925378	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	373669	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	484353	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	369692	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	293932	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	332257	20.815	ng	0.00
7) Phenol-d6	6.428	99	403041	19.885	ng	-0.02
23) Nitrobenzene-d5	7.369	82	239737	14.031	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	47046	15.666	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	363285	17.051	ng	0.00
79) Terphenyl-d14	12.921	244	251307	11.815	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.369	70	29478	2.369	ng	# 57
25) Isophorone	7.369	82	233282	7.230	ng	# 59
49) Acenaphthylene	9.710	152	77209	2.431	ng	# 97
51) 2,6-Dinitrotoluene	9.851	165	49775	9.715	ng	# 28
52) Acenaphthene	9.886	154	60127	2.919	ng	98
58) Fluorene	10.398	166	103568	5.101	ng	100
71) Phenanthrene	11.363	178	700038	28.003	ng	98
72) Anthracene	11.410	178	212391	8.465	ng	99
73) Carbazole	11.563	167	47768	2.021	ng	99
75) Fluoranthene	12.551	202	1004081	44.579	ng	92
78) Pyrene	12.780	202	1019736	30.024	ng	97
81) Benzo(a)anthracene	13.962	228	554638	25.328	ng	96
83) Chrysene	13.998	228	496556	21.824	ng	97
87) Indeno(1,2,3-cd)pyrene	16.851	276	278770	14.219	ng	97
88) Benzo(b)fluoranthene	15.004	252	899969	50.958	ng	# 95
89) Benzo(k)fluoranthene	15.004	252	899969	53.269	ng	# 94
90) Benzo(a)pyrene	15.362	252	497849	33.917	ng	# 95
91) Dibenzo(a,h)anthracene	16.856	278	63368	3.976	ng	# 75
92) Benzo(g,h,i)perylene	17.280	276	257584	15.621	ng	# 91

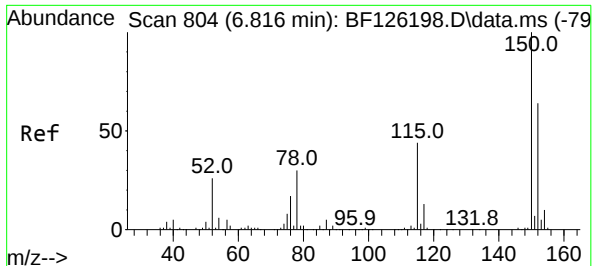
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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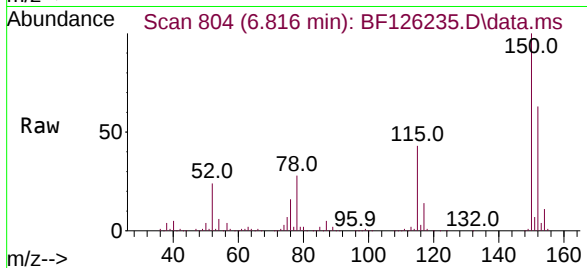
Quant Time: Dec 17 15:30:54 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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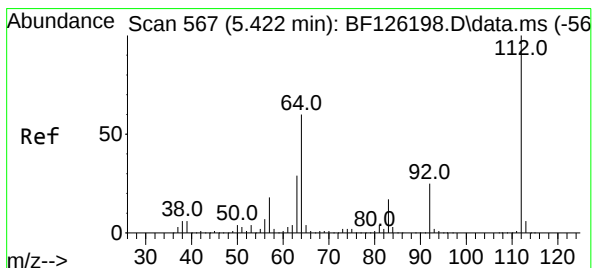
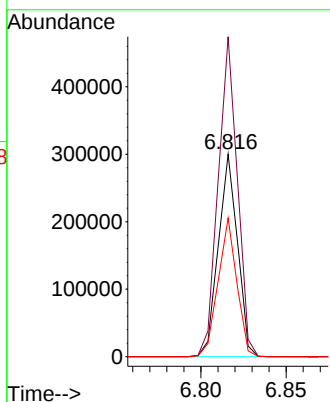
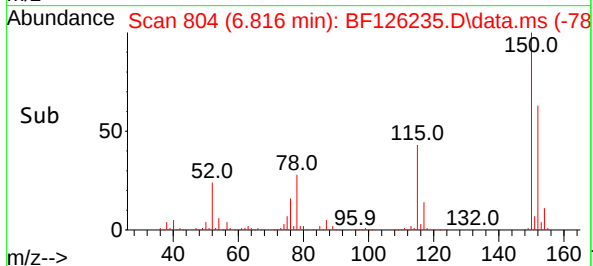


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. -0.000 min
 Lab File: BF126235.D
 Acq: 17 Dec 2021 15:08

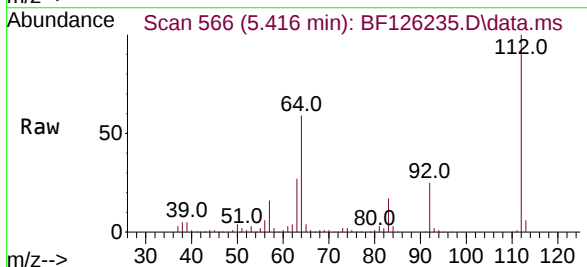
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 ClientSampleId :



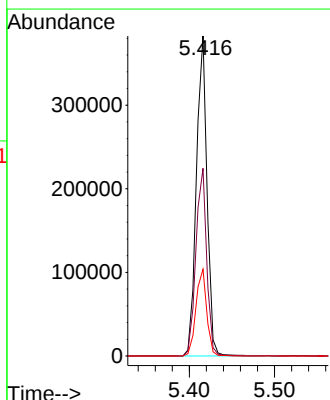
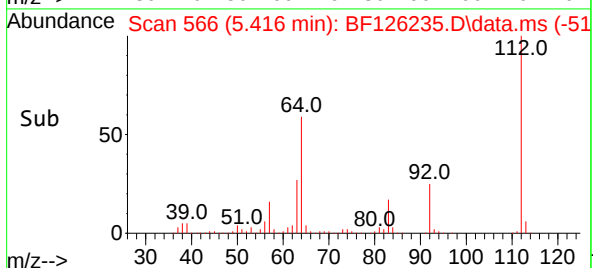
Tgt Ion:152 Resp: 235069
 Ion Ratio Lower Upper
 152 100
 150 158.0 117.6 176.4
 115 68.5 47.1 70.7

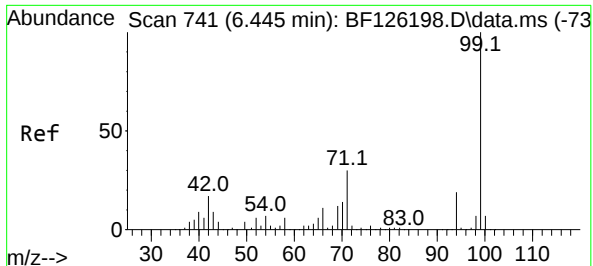


#5
 2-Fluorophenol
 Concen: 20.815 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.006 min
 Lab File: BF126235.D
 Acq: 17 Dec 2021 15:08



Tgt Ion:112 Resp: 332257
 Ion Ratio Lower Upper
 112 100
 64 58.6 44.2 66.2
 63 27.1 26.2 39.2

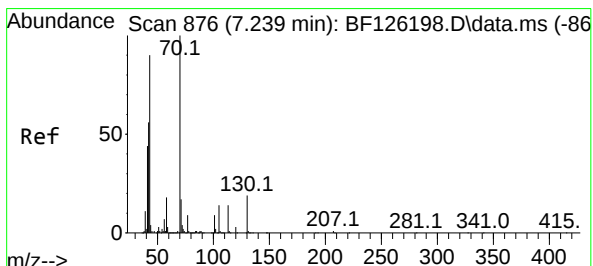
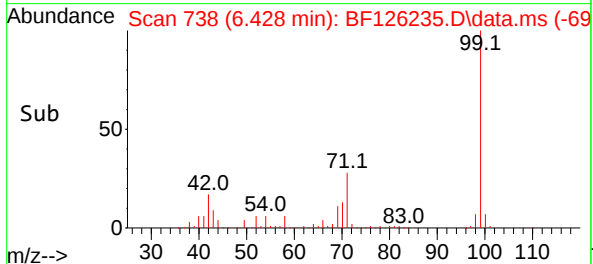
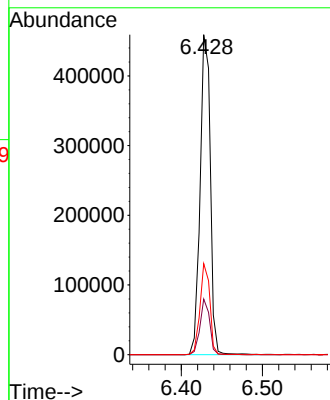
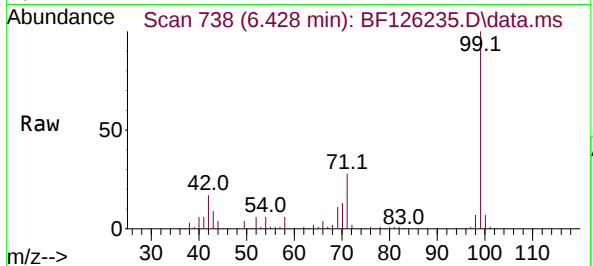




#7
Phenol-d6
Concen: 19.885 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

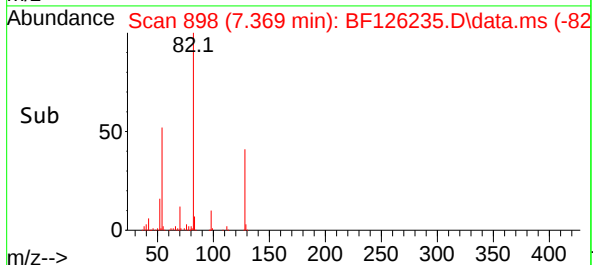
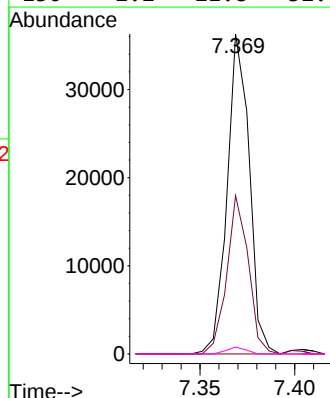
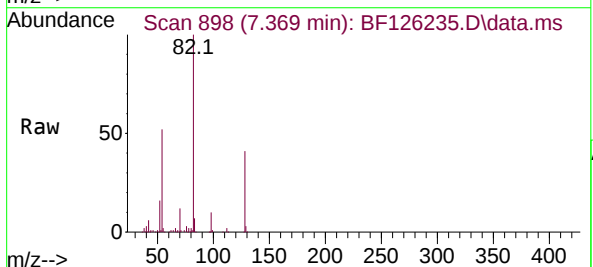
Instrument :
BNA_M
ClientSampleId :

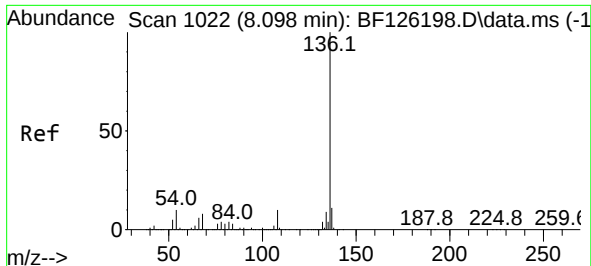
Tgt Ion: 99 Resp: 403041
Ion Ratio Lower Upper
99 100
42 17.4 23.5 35.3#
71 28.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.369 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.129 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Tgt Ion: 70 Resp: 29478
Ion Ratio Lower Upper
70 100
42 49.5 72.2 108.2#
101 0.0 7.8 11.8#
130 2.2 21.8 32.6#



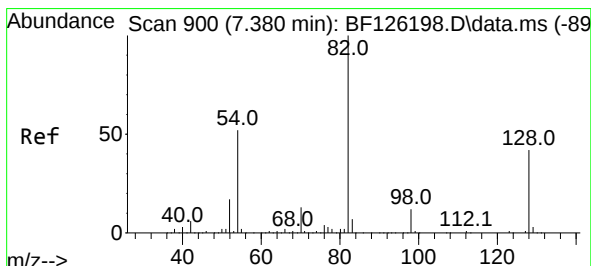
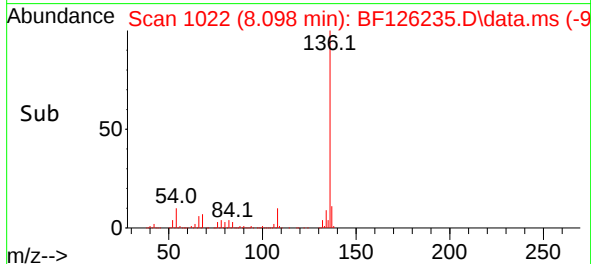
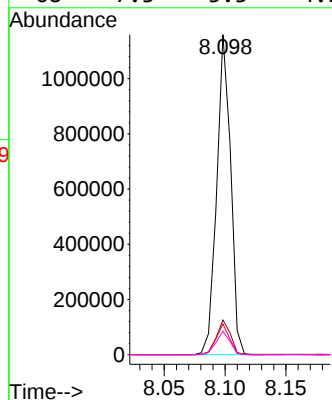
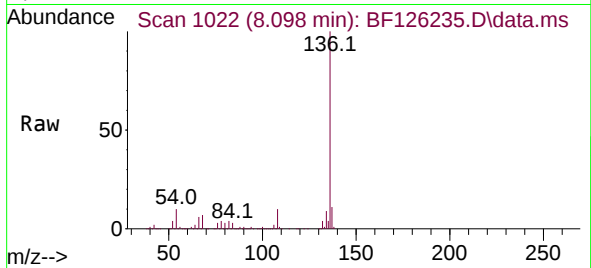


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:136 Resp: 925378

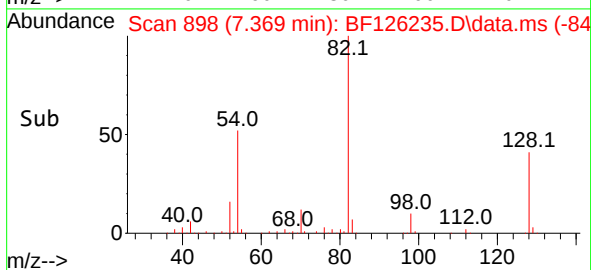
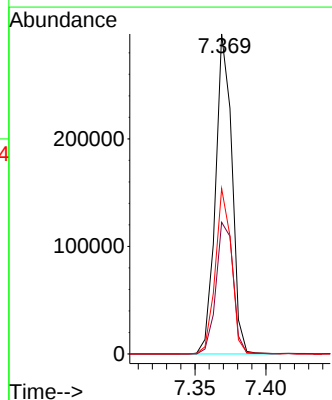
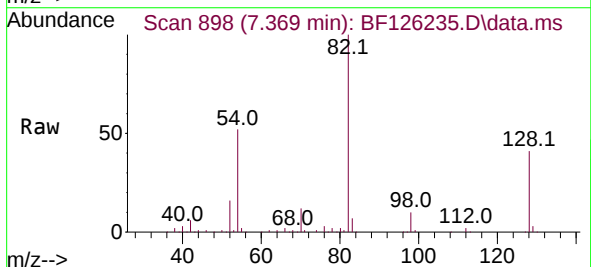
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.8	14.6
54	9.6	6.4	9.6#
68	7.3	3.3	4.9#

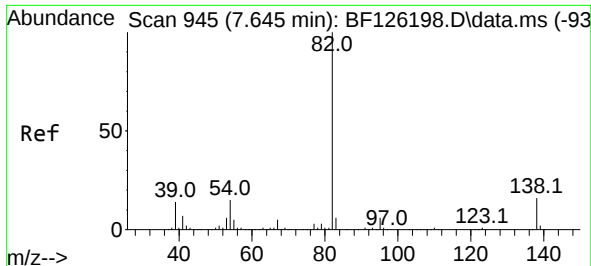


#23
Nitrobenzene-d5
Concen: 14.031 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Tgt Ion: 82 Resp: 239737

Ion	Ratio	Lower	Upper
82	100		
128	41.2	40.6	60.8
54	51.7	49.6	74.4

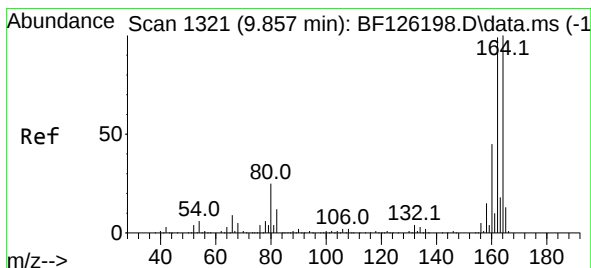
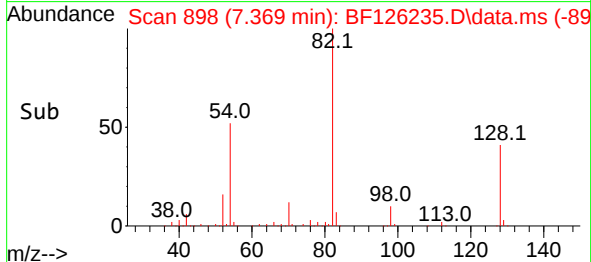
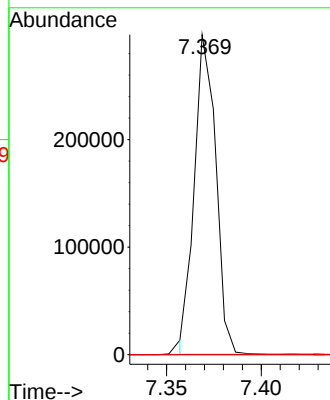
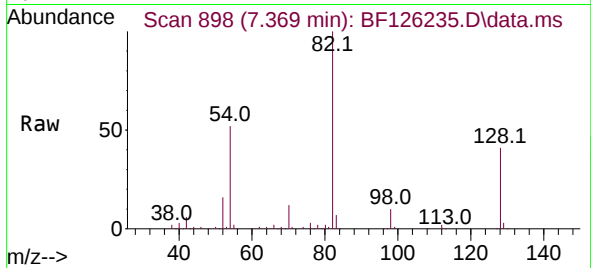




#25
Isophorone
Concen: 7.230 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

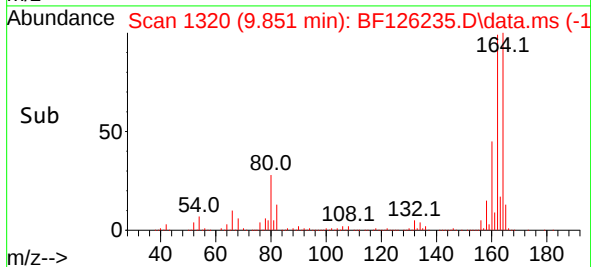
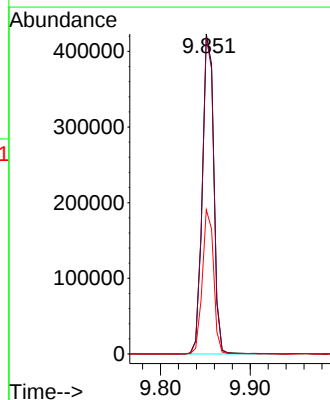
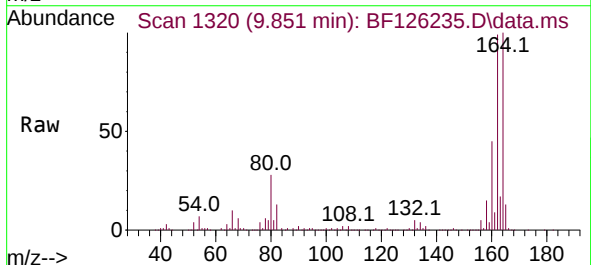
Instrument :
BNA_M
ClientSampleId :

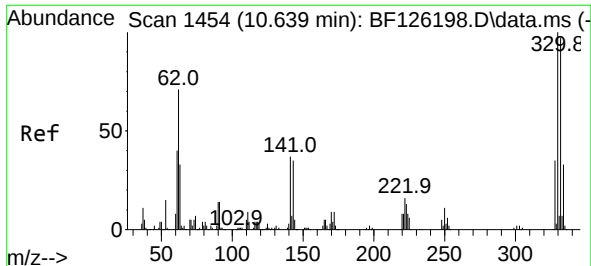
Tgt Ion: 82 Resp: 233282
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Tgt Ion:164 Resp: 373669
Ion Ratio Lower Upper
164 100
162 98.9 81.3 121.9
160 45.1 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 15.666 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

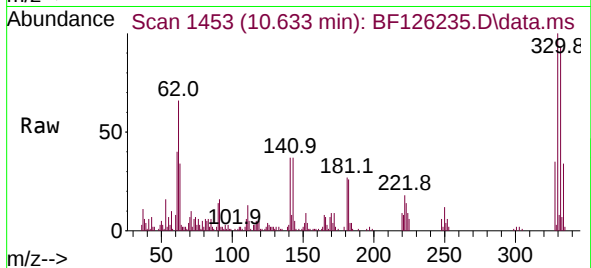
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Acq: 17 Dec 2021 15:08

Instrument :

BNA_M

ClientSampleId :



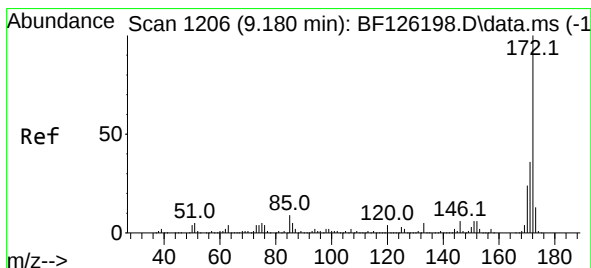
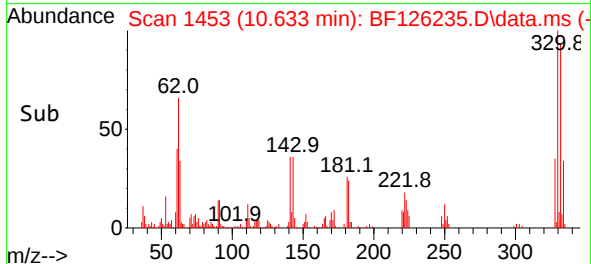
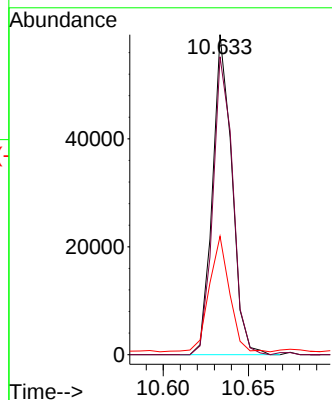
Tgt Ion:330 Resp: 47046

Ion Ratio Lower Upper

330 100

332 94.9 76.2 114.4

141 37.4 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 17.051 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF126235.D

Acq: 17 Dec 2021 15:08

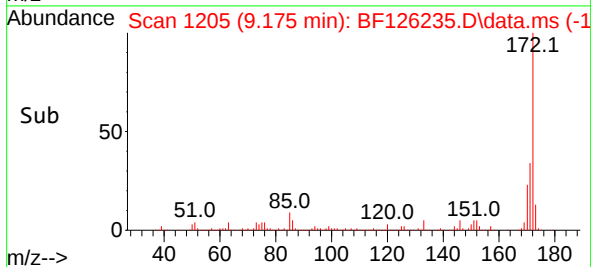
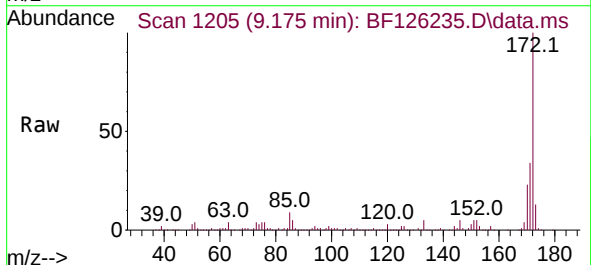
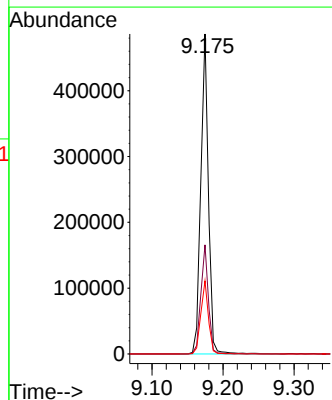
Tgt Ion:172 Resp: 363285

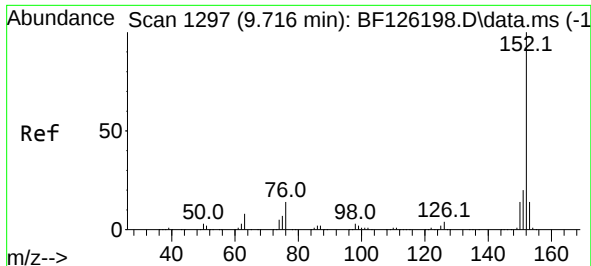
Ion Ratio Lower Upper

172 100

171 34.1 26.5 39.7

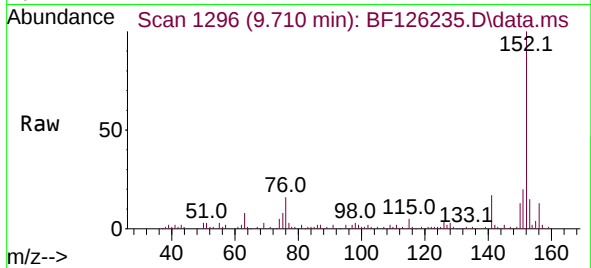
170 22.8 18.8 28.2



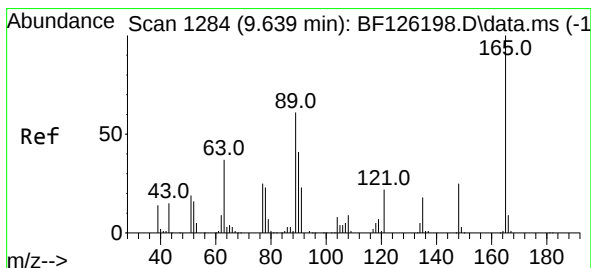
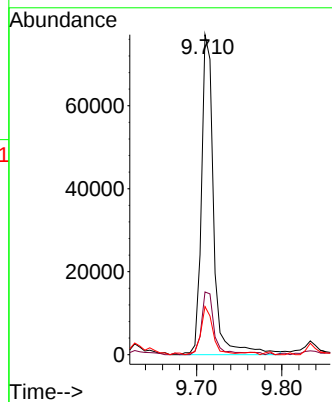
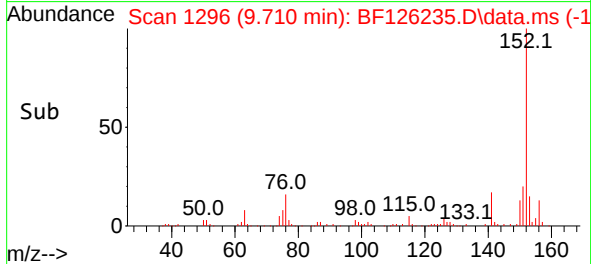


#49
Acenaphthylene
Concen: 2.431 ng
RT: 9.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

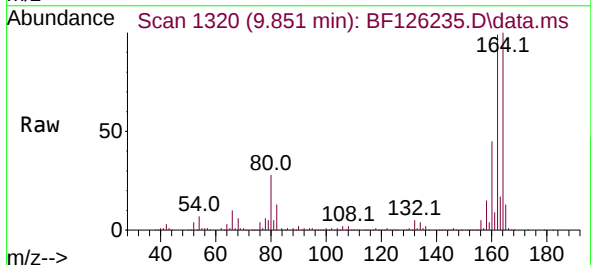
Instrument :
BNA_M
ClientSampleId :



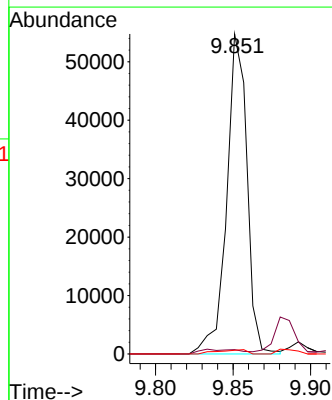
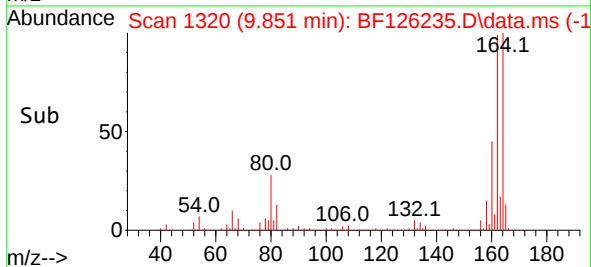
Tgt Ion:152 Resp: 77209
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 15.0 9.8 14.8#

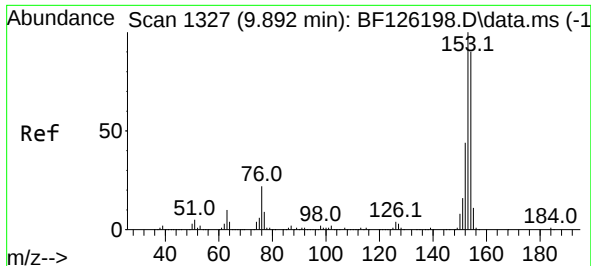


#51
2,6-Dinitrotoluene
Concen: 9.715 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08



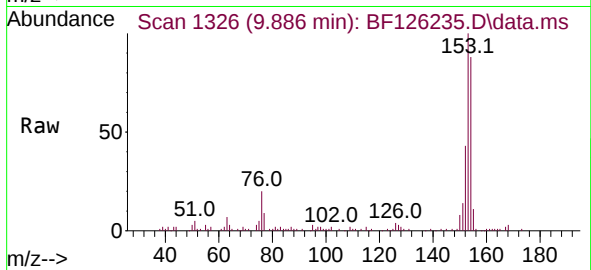
Tgt Ion:165 Resp: 49775
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.1 40.6 60.8#



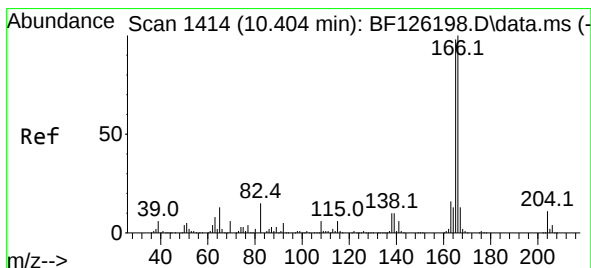
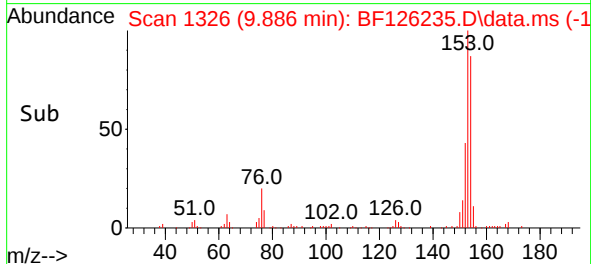
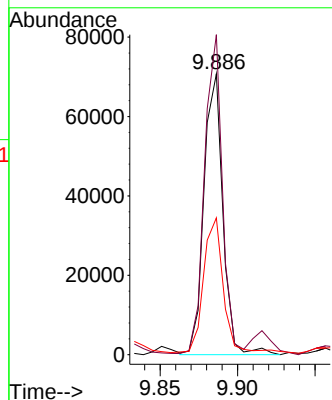


#52
Acenaphthene
Concen: 2.919 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Instrument :
BNA_M
ClientSampleId :

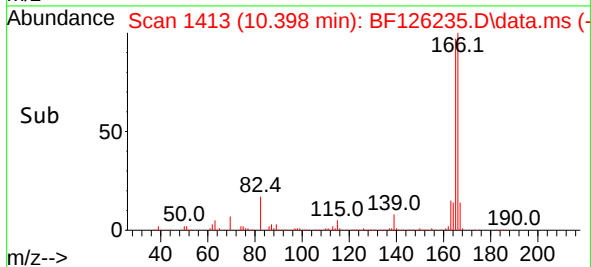
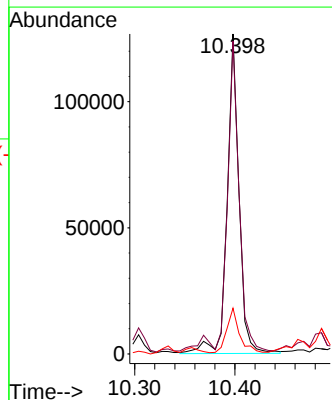
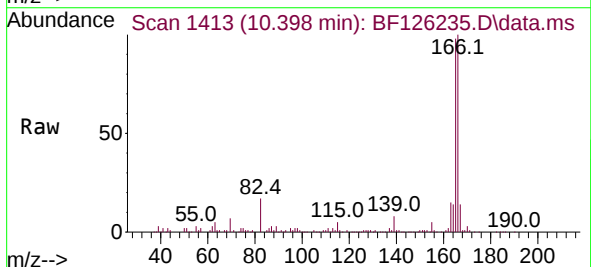


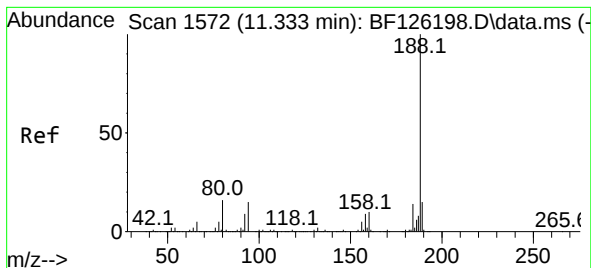
Tgt Ion:154 Resp: 60127
Ion Ratio Lower Upper
154 100
153 114.0 89.4 134.2
152 48.7 40.5 60.7



#58
Fluorene
Concen: 5.101 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Tgt Ion:166 Resp: 103568
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 14.3 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF126235.D

Acq: 17 Dec 2021 15:08

Instrument :

BNA_M

ClientSampleId :

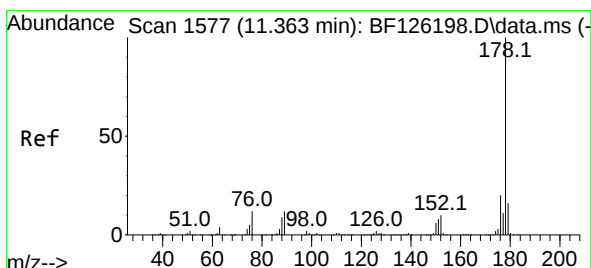
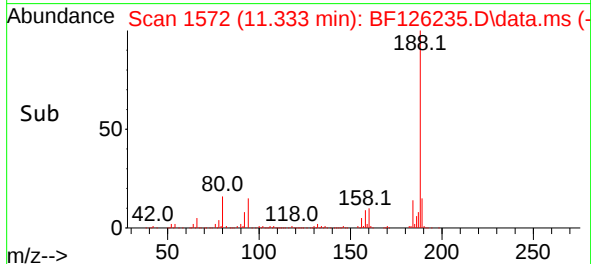
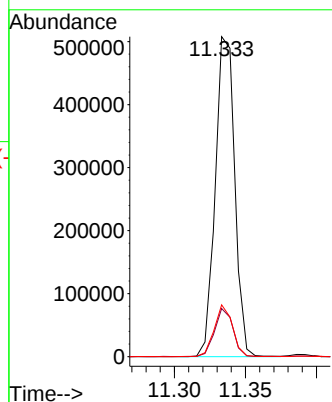
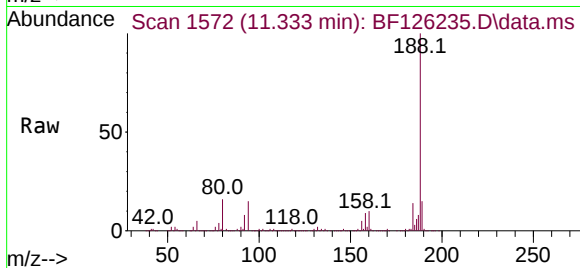
Tgt Ion:188 Resp: 484353

Ion Ratio Lower Upper

188 100

94 15.1 6.7 10.1#

80 16.2 7.5 11.3#



#71

Phenanthrene

Concen: 28.003 ng

RT: 11.363 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF126235.D

Acq: 17 Dec 2021 15:08

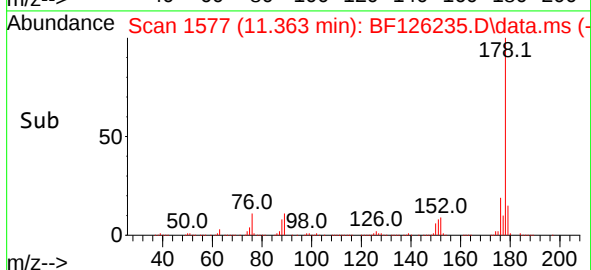
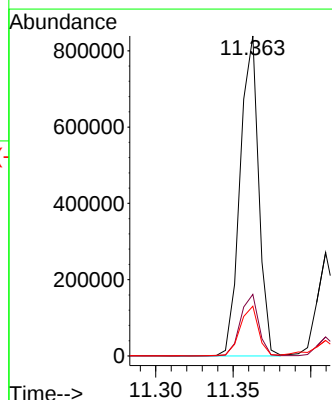
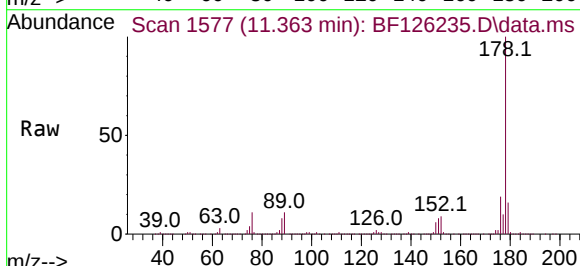
Tgt Ion:178 Resp: 700038

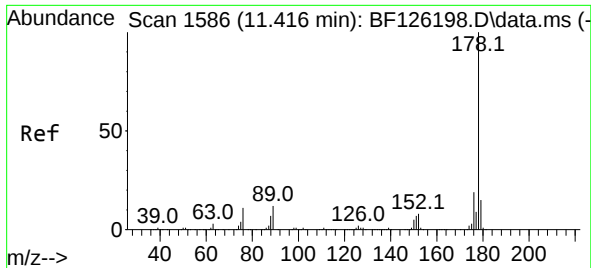
Ion Ratio Lower Upper

178 100

176 19.3 14.7 22.1

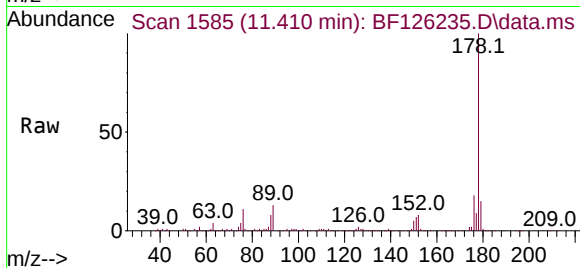
179 15.6 11.5 17.3



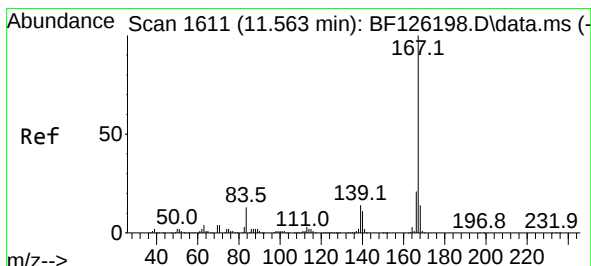
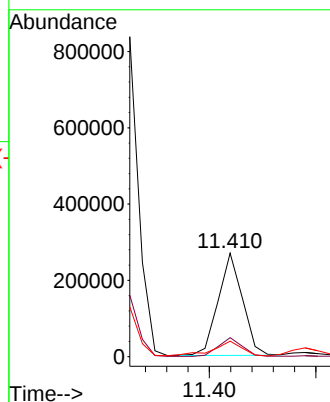
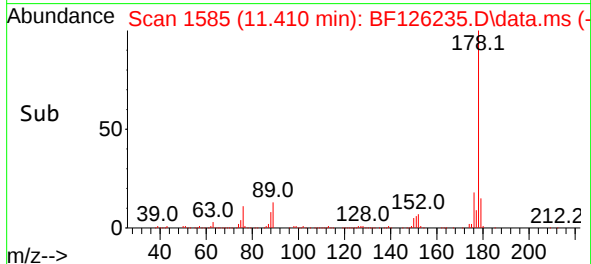


#72
 Anthracene
 Concen: 8.465 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126235.D
 Acq: 17 Dec 2021 15:08

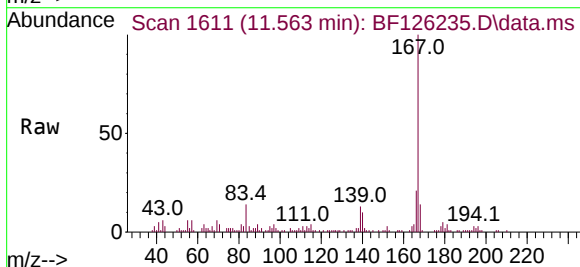
Instrument :
 BNA_M
 ClientSampleId :



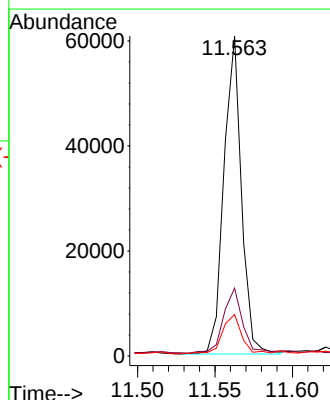
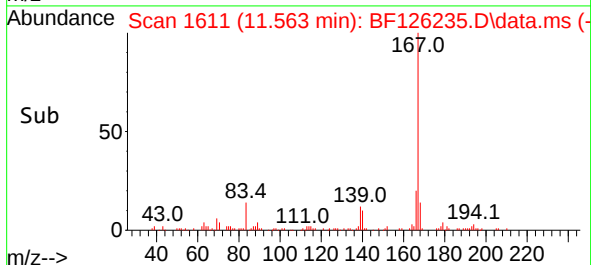
Tgt Ion:178 Resp: 212391
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 14.9 12.2 18.4

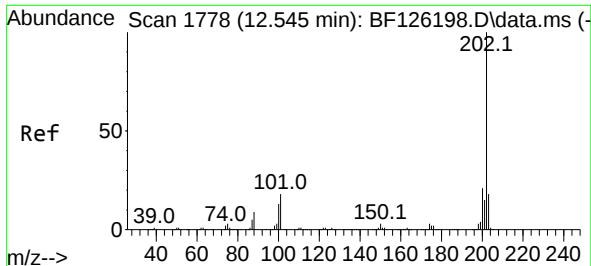


#73
 Carbazole
 Concen: 2.021 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF126235.D
 Acq: 17 Dec 2021 15:08



Tgt Ion:167 Resp: 47768
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.4 26.0
 139 12.9 11.0 16.4

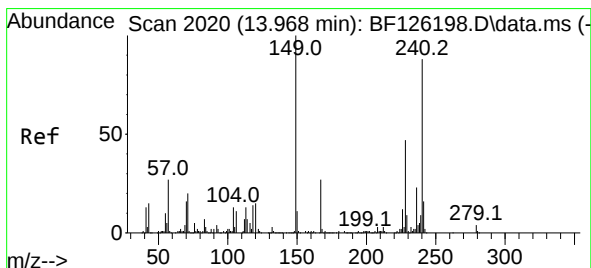
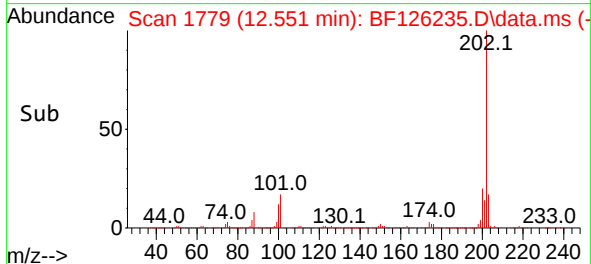
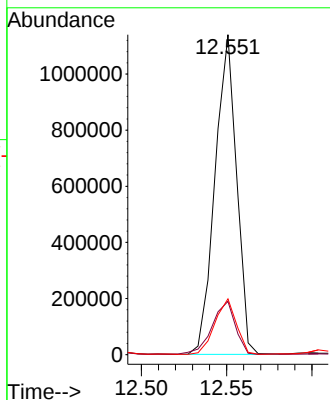
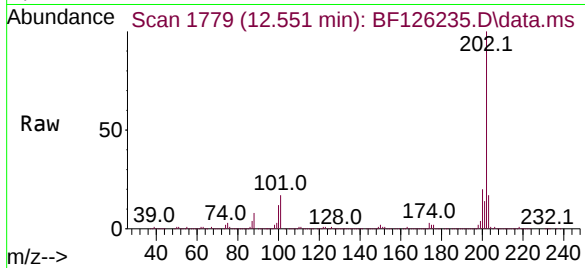




#75
Fluoranthene
Concen: 44.579 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

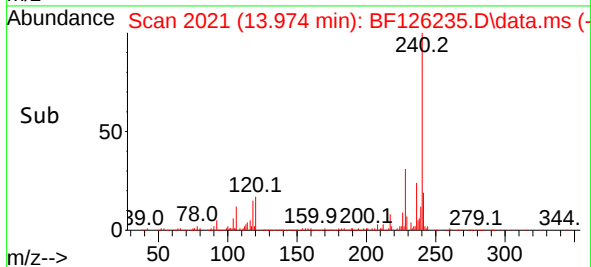
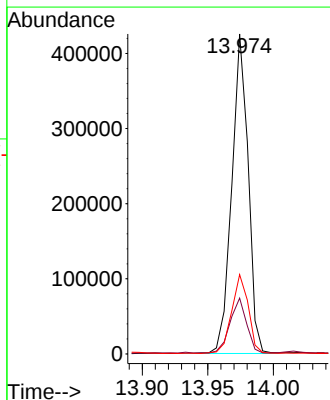
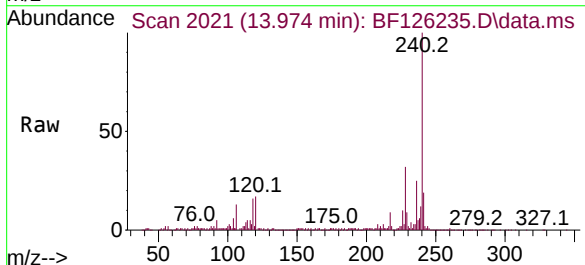
Instrument :
BNA_M
ClientSampleId :

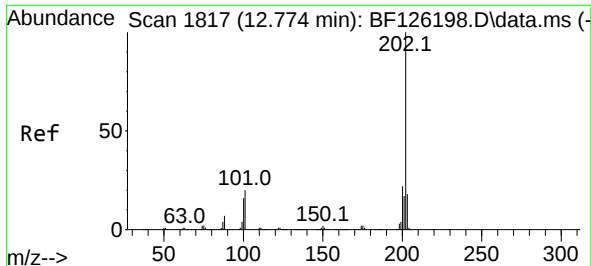
Tgt Ion:202 Resp: 1004081
Ion Ratio Lower Upper
202 100
101 16.7 0.0 30.7
203 17.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Tgt Ion:240 Resp: 369692
Ion Ratio Lower Upper
240 100
120 17.5 10.8 16.2#
236 24.8 21.6 32.4

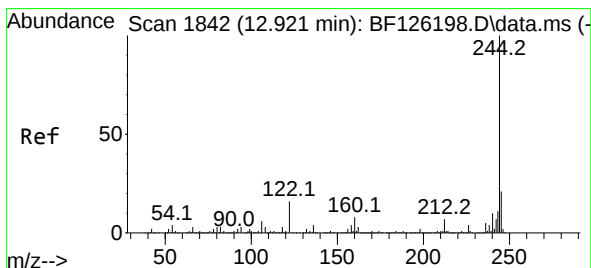
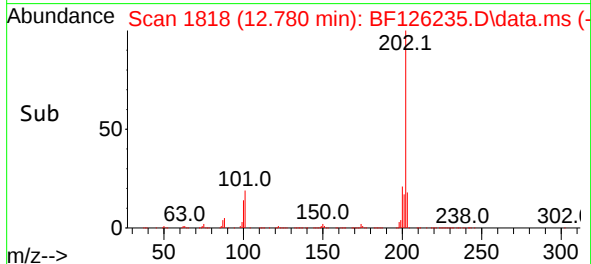
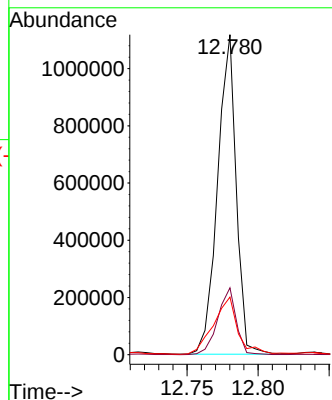
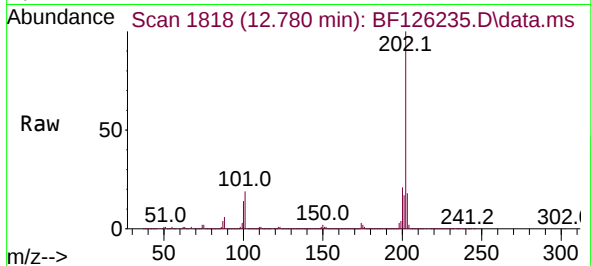




#78
Pyrene
Concen: 30.024 ng
RT: 12.780 min Scan# 1817
Delta R.T. 0.006 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

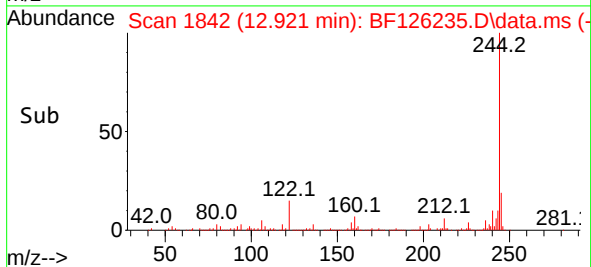
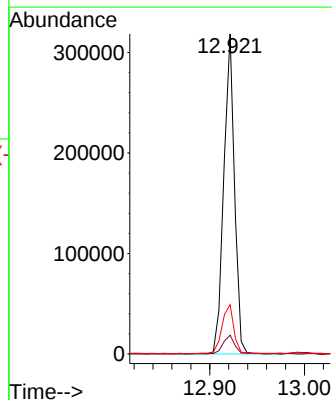
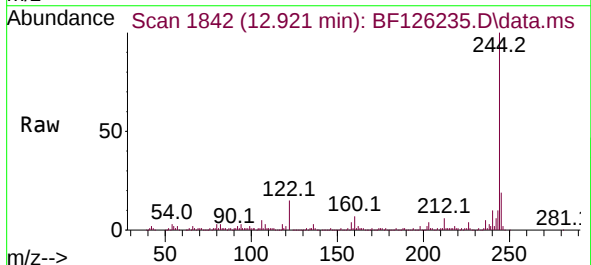
Instrument :
BNA_M
ClientSampleId :

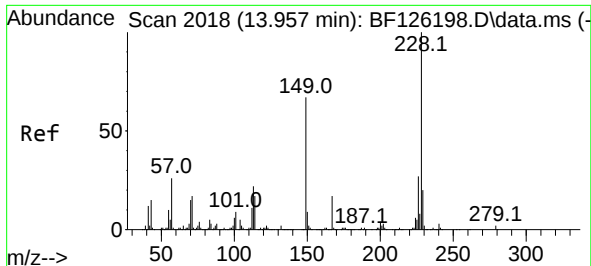
Tgt Ion:202 Resp: 1019736
Ion Ratio Lower Upper
202 100
200 20.9 15.3 22.9
203 18.0 13.4 20.0



#79
Terphenyl-d14
Concen: 11.815 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Tgt Ion:244 Resp: 251307
Ion Ratio Lower Upper
244 100
212 5.8 5.9 8.9#
122 15.4 9.0 13.4#

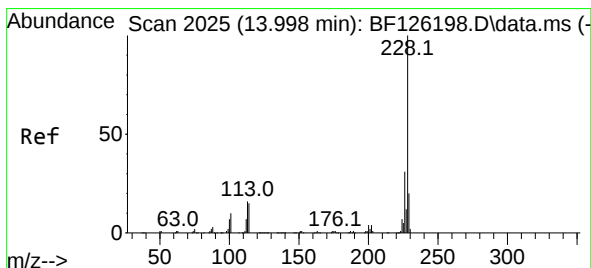
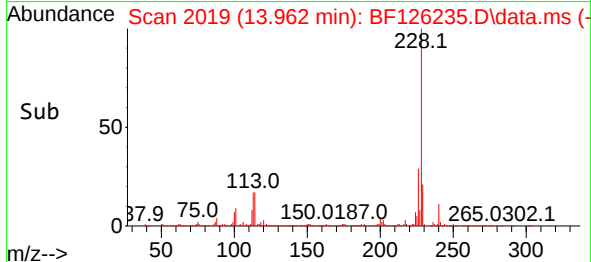
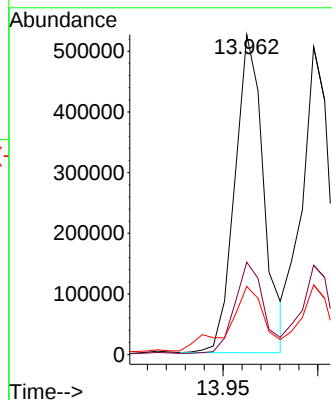
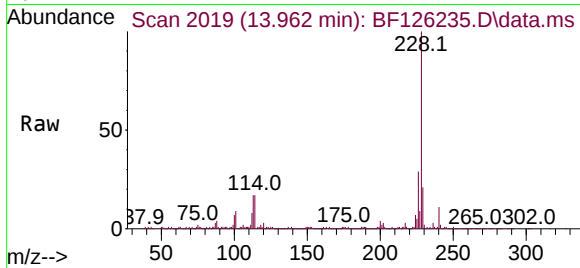




#81
Benzo(a)anthracene
Concen: 25.328 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

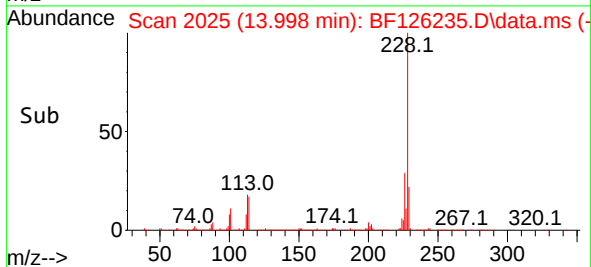
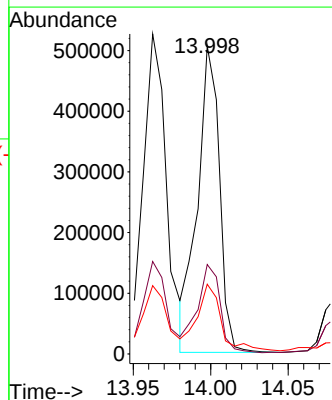
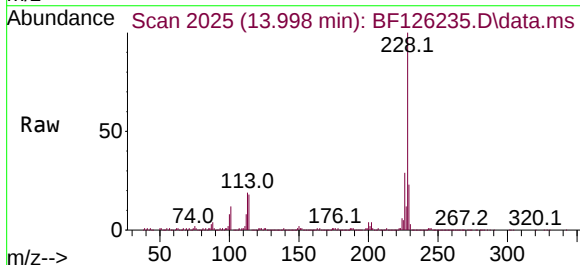
Instrument :
BNA_M
ClientSampleId :

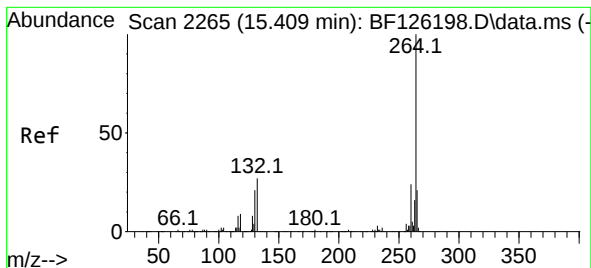
Tgt Ion:228 Resp: 554638
Ion Ratio Lower Upper
228 100
226 28.9 21.6 32.4
229 21.4 15.6 23.4



#83
Chrysene
Concen: 21.824 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Tgt Ion:228 Resp: 496556
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 22.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF126235.D

Acq: 17 Dec 2021 15:08

Instrument :

BNA_M

ClientSampleId :

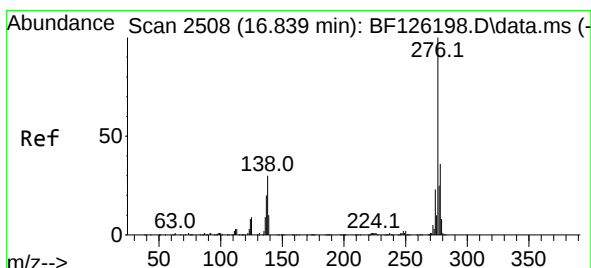
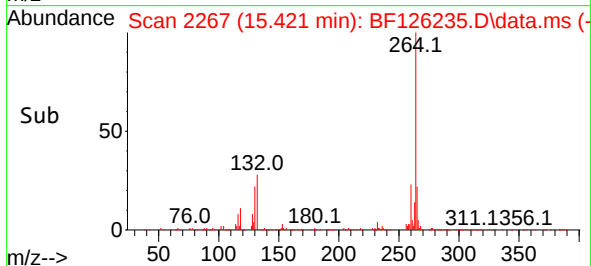
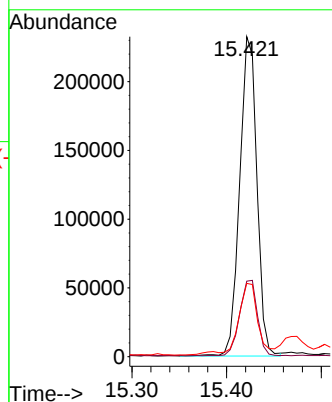
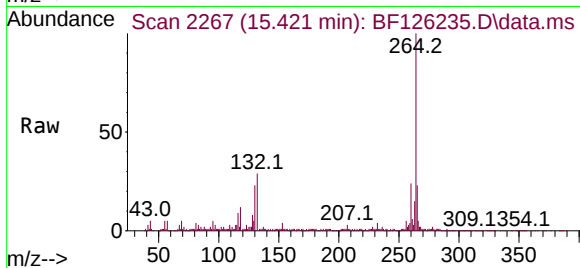
Tgt Ion:264 Resp: 293932

Ion Ratio Lower Upper

264 100

260 23.6 19.6 29.4

265 22.9 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.219 ng

RT: 16.851 min Scan# 2510

Delta R.T. 0.012 min

Lab File: BF126235.D

Acq: 17 Dec 2021 15:08

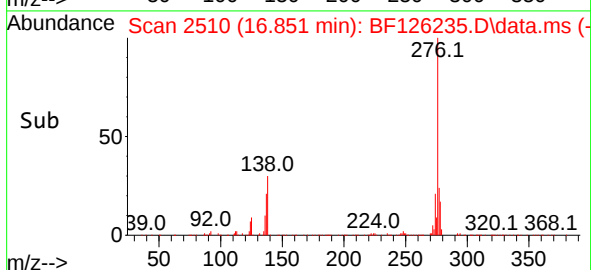
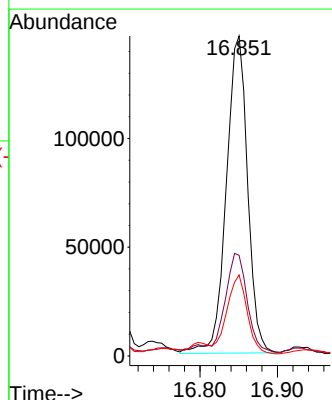
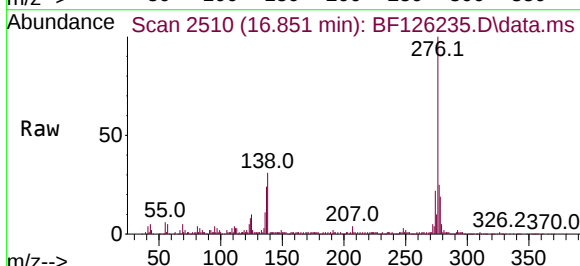
Tgt Ion:276 Resp: 278770

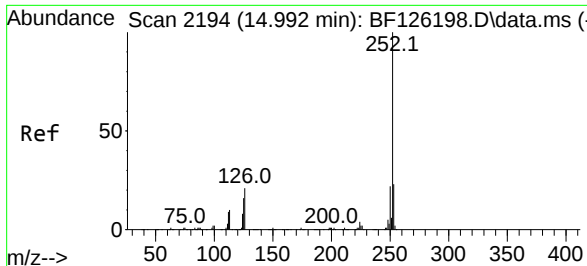
Ion Ratio Lower Upper

276 100

138 32.7 24.1 36.1

277 23.7 18.8 28.2

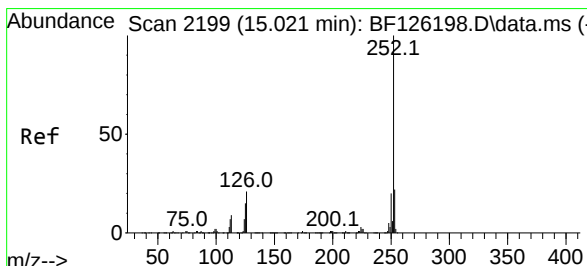
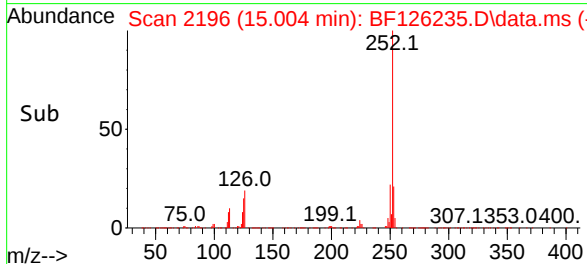
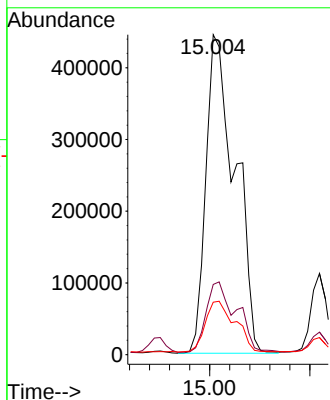
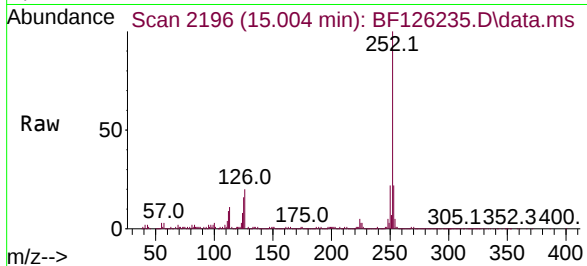




#88
Benzo(b)fluoranthene
Concen: 50.958 ng
RT: 15.004 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

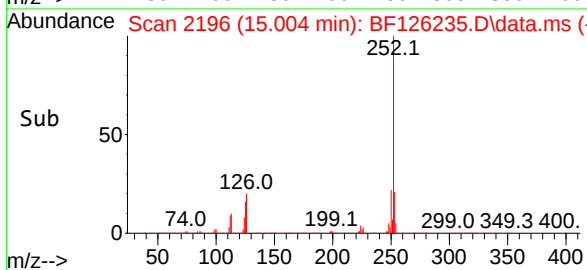
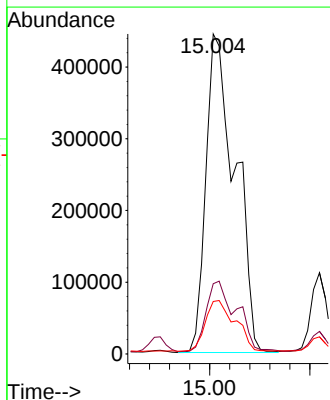
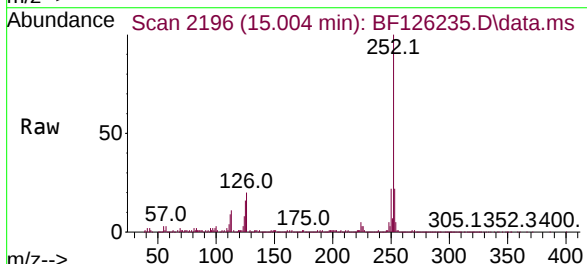
Instrument :
BNA_M
ClientSampleId :

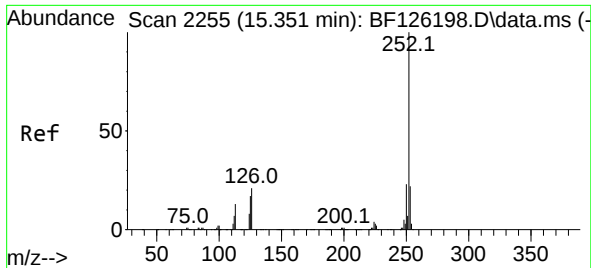
Tgt Ion:252 Resp: 899969
Ion Ratio Lower Upper
252 100
253 21.9 16.8 25.2
125 16.4 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 53.269 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Tgt Ion:252 Resp: 899969
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 16.4 7.2 10.8#

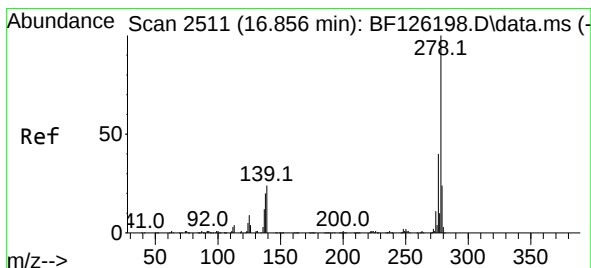
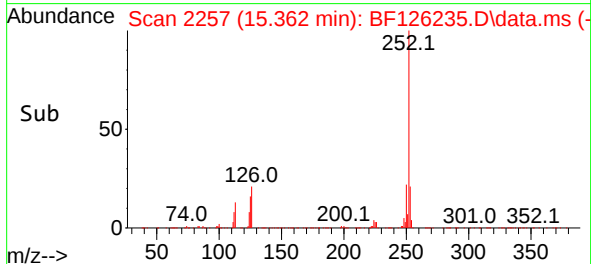
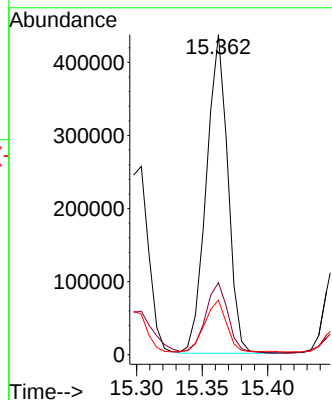
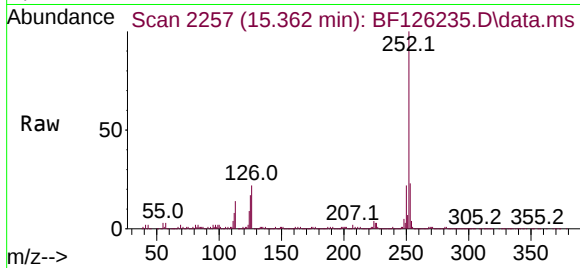




#90
Benzo(a)pyrene
Concen: 33.917 ng
RT: 15.362 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

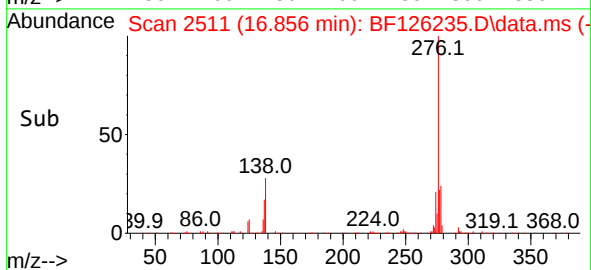
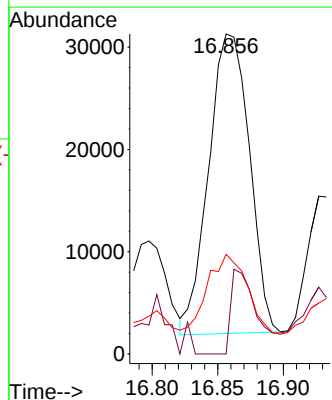
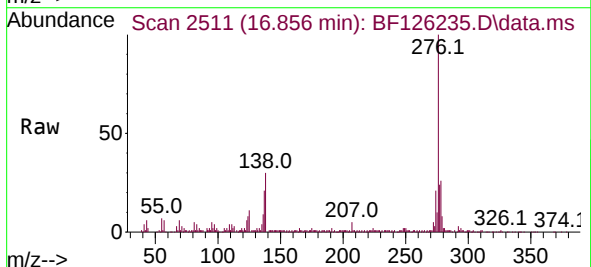
Instrument :
BNA_M
ClientSampleId :

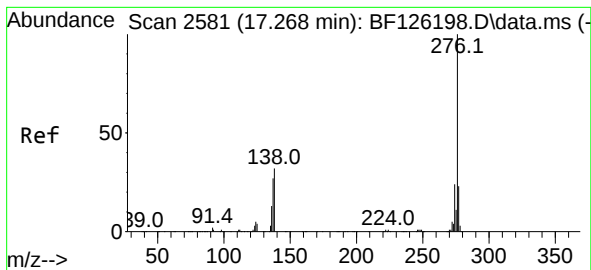
Tgt Ion:252 Resp: 497849
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 17.1 9.9 14.9#



#91
Dibenzo(a,h)anthracene
Concen: 3.976 ng
RT: 16.856 min Scan# 2511
Delta R.T. 0.000 min
Lab File: BF126235.D
Acq: 17 Dec 2021 15:08

Tgt Ion:278 Resp: 63368
Ion Ratio Lower Upper
278 100
139 0.0 14.9 22.3#
279 31.2 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 15.621 ng

RT: 17.280 min Scan# 2

Delta R.T. 0.012 min

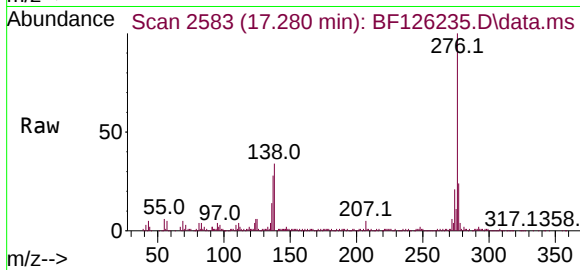
Lab File: BF126235.D

Acq: 17 Dec 2021 15:08

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 257584

Ion Ratio Lower Upper

276 100

277 24.3 22.0 33.0

138 33.8 22.2 33.4#

