

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126336.D
 Acq On : 22 Dec 2021 18:52
 Operator : JU/CG
 Sample : M5198-01DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 19:14:53 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)

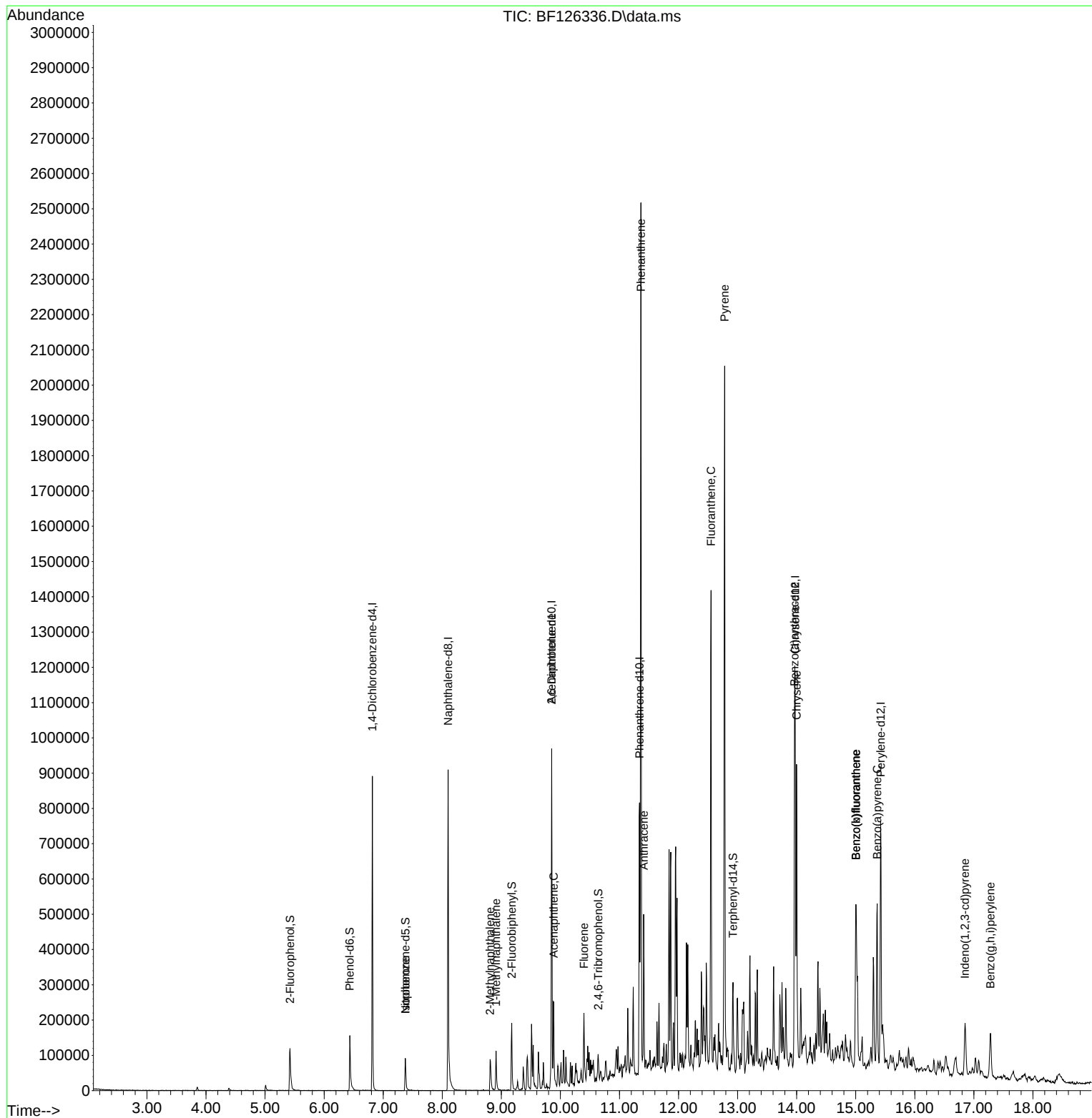
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	121953	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	456605	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	193058	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	293204	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	245578	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	281360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	55726	6.729	ng	0.00
7) Phenol-d6	6.434	99	75074	7.140	ng	-0.01
23) Nitrobenzene-d5	7.375	82	42816	5.079	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	5265	3.393	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	71158	6.465	ng	0.00
79) Terphenyl-d14	12.922	244	66324	4.694	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.375	82	42816	2.689	ng	# 59
37) 2-Methylnaphthalene	8.810	142	40437	3.075	ng	96
38) 1-Methylnaphthalene	8.910	142	37272	2.921	ng	95
51) 2,6-Dinitrotoluene	9.851	165	25944	9.801	ng	# 28
52) Acenaphthene	9.886	154	55178	5.185	ng	97
58) Fluorene	10.398	166	48545	4.628	ng	95
71) Phenanthrene	11.363	178	882567	58.320	ng	98
72) Anthracene	11.410	178	166300	10.948	ng	100
75) Fluoranthene	12.551	202	497225	36.468	ng	93
78) Pyrene	12.780	202	792654	35.133	ng	98
81) Benzo(a)anthracene	13.963	228	309654	21.287	ng	99
83) Chrysene	13.998	228	295845	19.574	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	93496	4.982	ng	97
88) Benzo(b)fluoranthene	15.004	252	316060	18.696	ng	# 93
89) Benzo(k)fluoranthene	15.004	252	316060	19.543	ng	# 93
90) Benzo(a)pyrene	15.363	252	207494	14.768	ng	# 94
92) Benzo(g,h,i)perylene	17.280	276	88451	5.604	ng	92

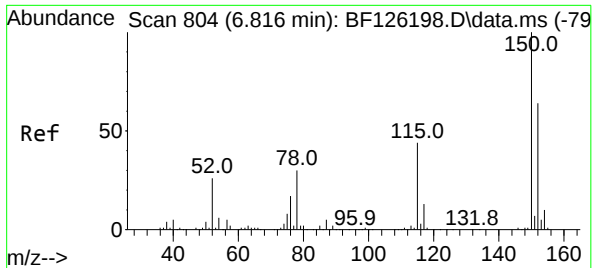
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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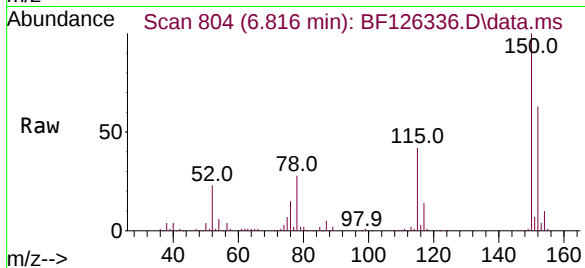
Quant Time: Dec 22 19:14:53 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
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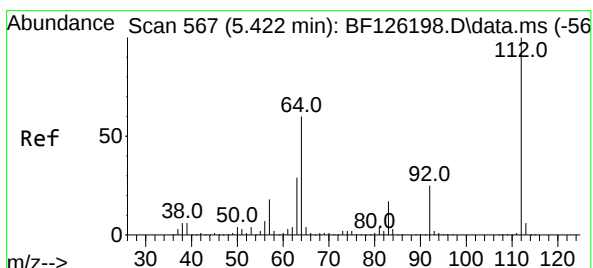
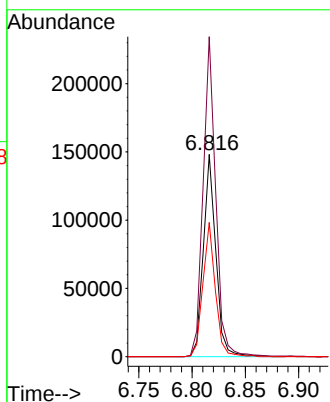
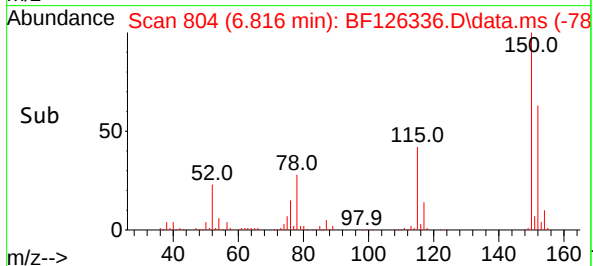


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

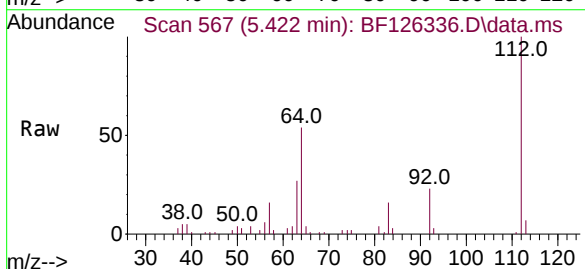
Instrument :
BNA_F
ClientSampleId :



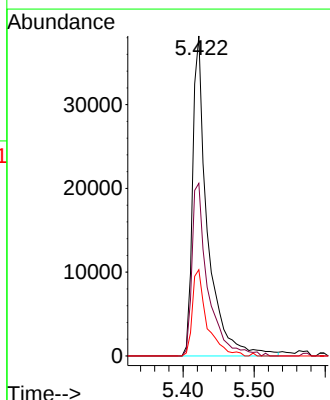
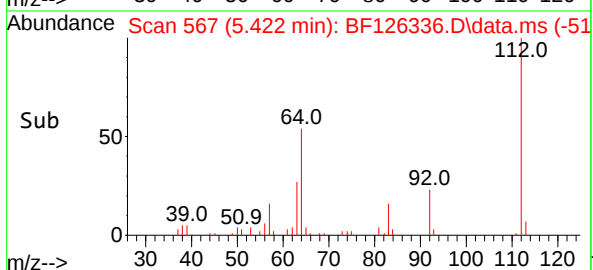
Tgt Ion:152 Resp: 121953
Ion Ratio Lower Upper
152 100
150 158.2 117.6 176.4
115 66.4 47.1 70.7

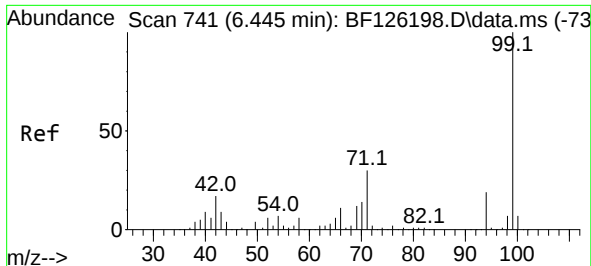


#5
2-Fluorophenol
Concen: 6.729 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52



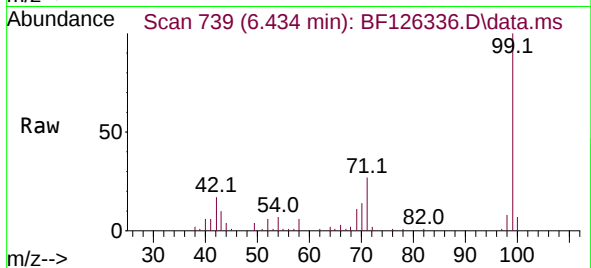
Tgt Ion:112 Resp: 55726
Ion Ratio Lower Upper
112 100
64 53.9 44.2 66.2
63 26.9 26.2 39.2



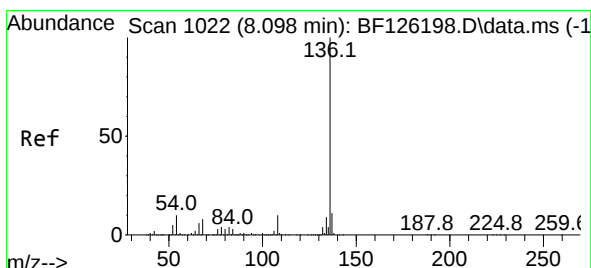
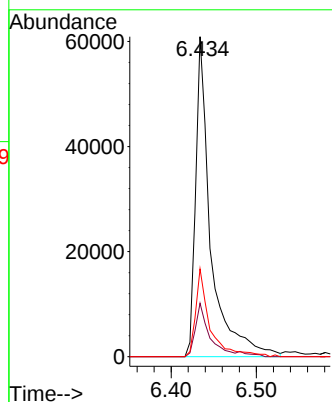
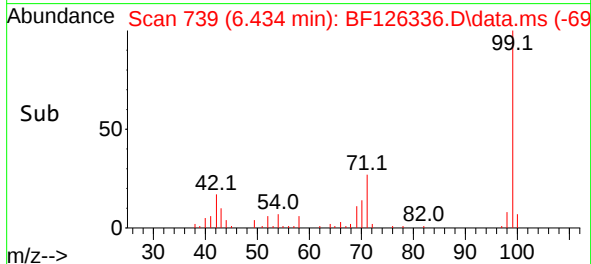


#7
Phenol-d6
Concen: 7.140 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

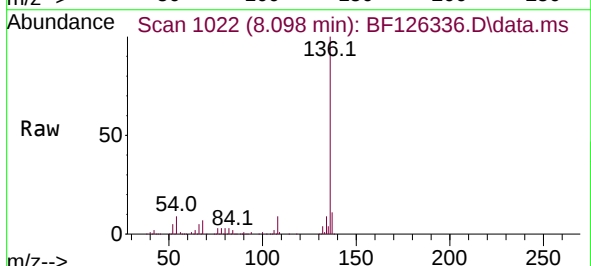
Instrument :
BNA_F
ClientSampleId :



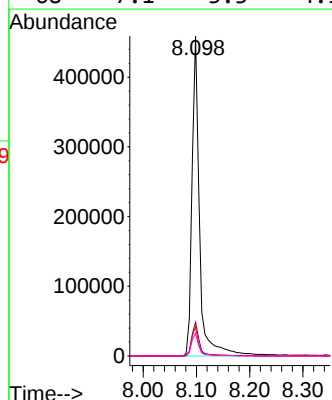
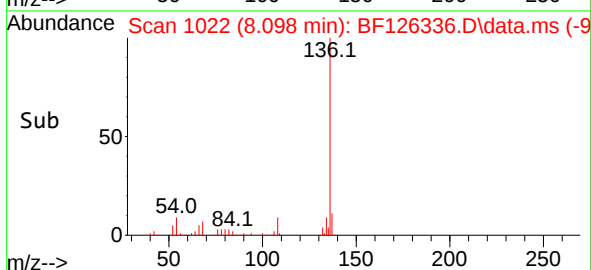
Tgt Ion: 99 Resp: 75074
Ion Ratio Lower Upper
99 100
42 16.7 23.5 35.3#
71 27.4 25.6 38.4

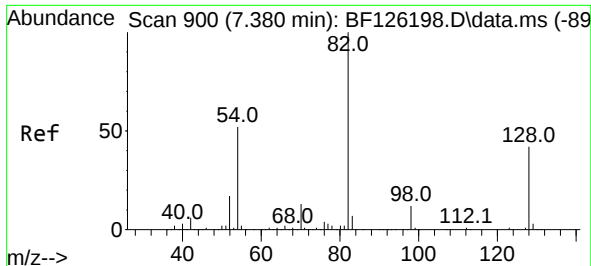


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52



Tgt Ion: 136 Resp: 456605
Ion Ratio Lower Upper
136 100
137 10.5 9.8 14.6
54 9.0 6.4 9.6
68 7.1 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 5.079 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

Instrument :

BNA_F

ClientSampleId :

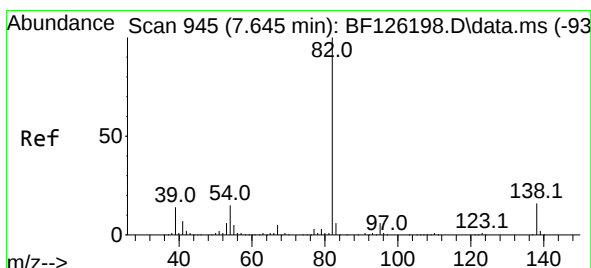
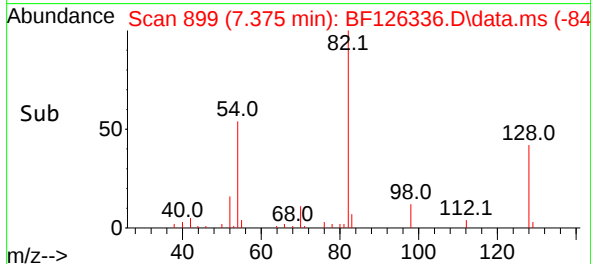
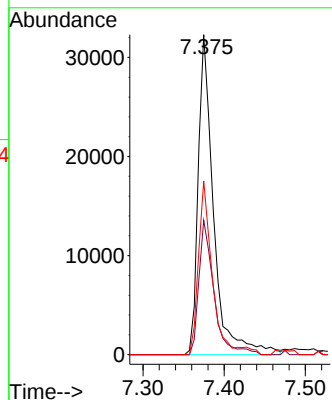
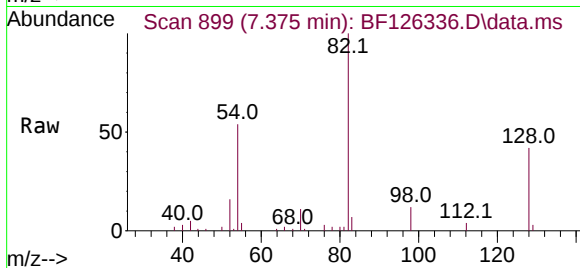
Tgt Ion: 82 Resp: 42816

Ion Ratio Lower Upper

82 100

128 42.0 40.6 60.8

54 54.3 49.6 74.4



#25

Isophorone

Concen: 2.689 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.265 min

Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

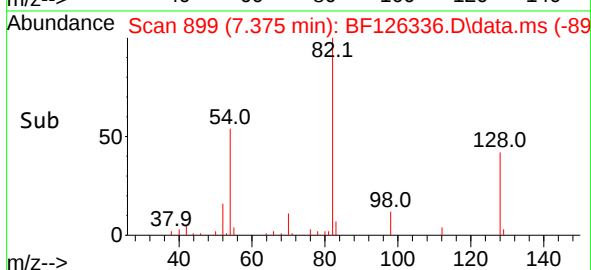
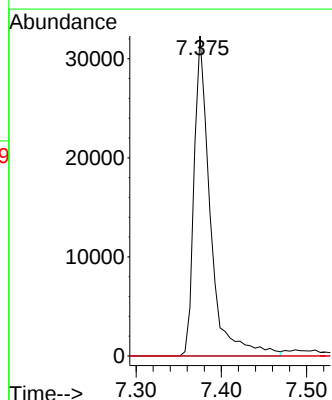
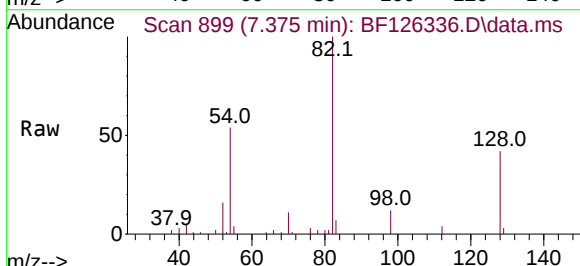
Tgt Ion: 82 Resp: 42816

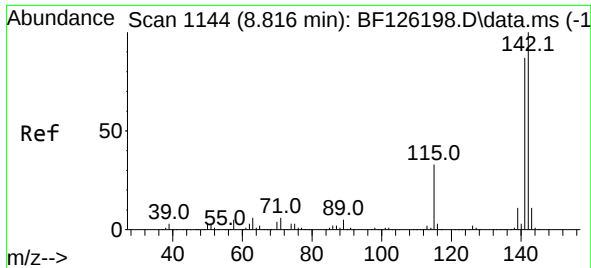
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#





#37

2-Methylnaphthalene

Concen: 3.075 ng

RT: 8.810 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

Instrument :

BNA_F

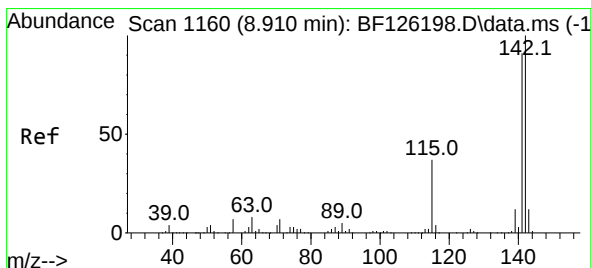
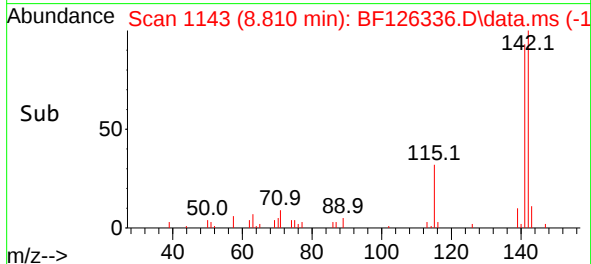
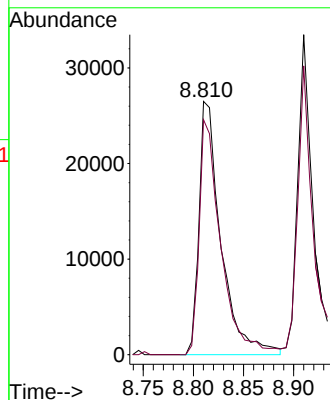
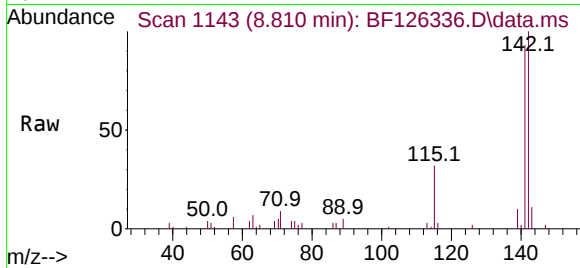
ClientSampleId :

Tgt Ion:142 Resp: 40437

Ion Ratio Lower Upper

142 100

141 92.7 71.2 106.8



#38

1-Methylnaphthalene

Concen: 2.921 ng

RT: 8.910 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF126336.D

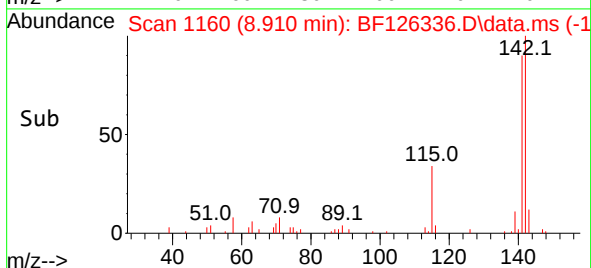
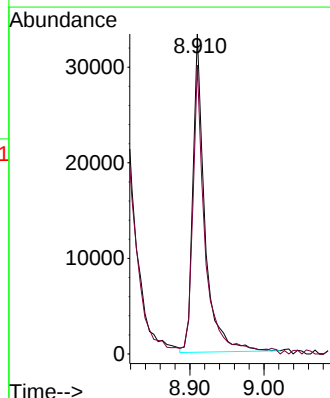
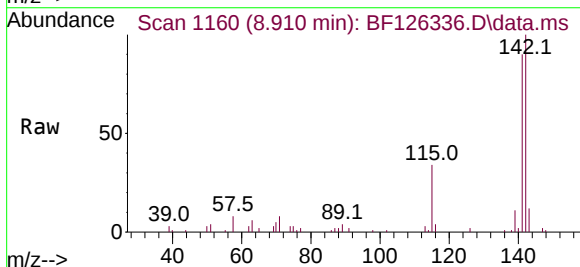
Acq: 22 Dec 2021 18:52

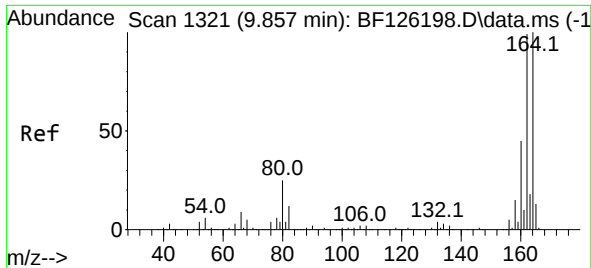
Tgt Ion:142 Resp: 37272

Ion Ratio Lower Upper

142 100

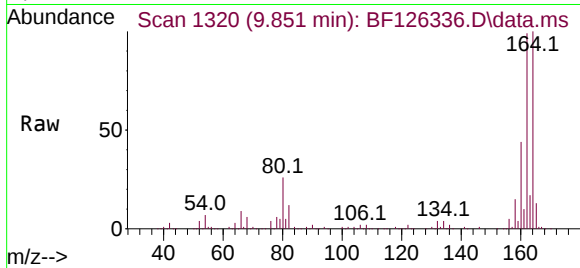
141 90.3 76.0 114.0



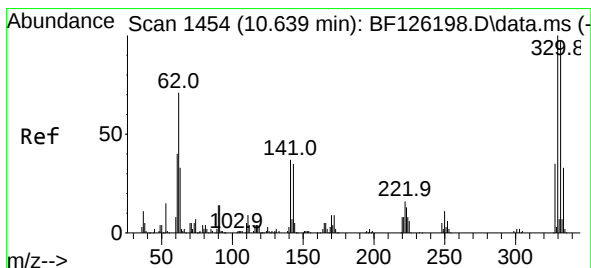
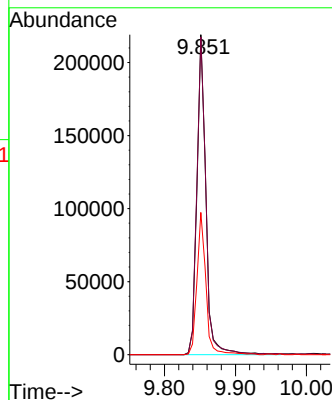
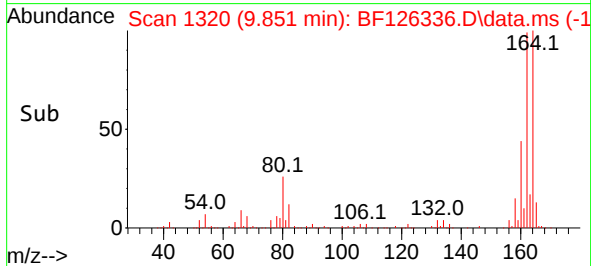


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

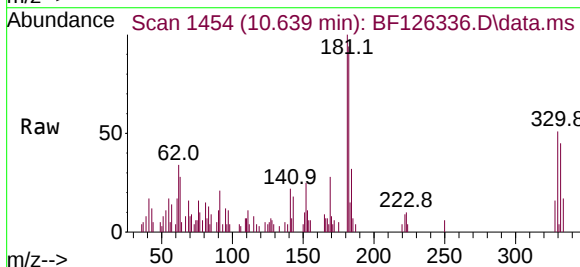
Instrument :
BNA_F
ClientSampleId :



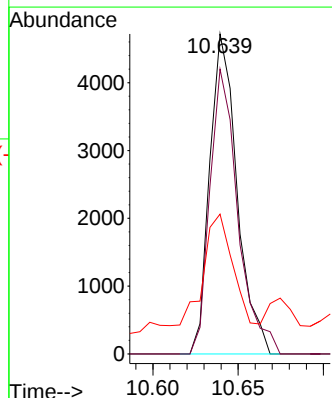
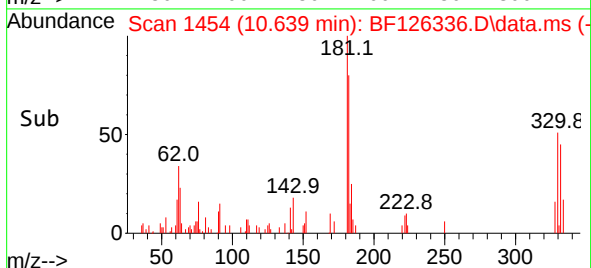
Tgt Ion:164 Resp: 193058
Ion Ratio Lower Upper
164 100
162 99.3 81.3 121.9
160 44.4 38.0 57.0

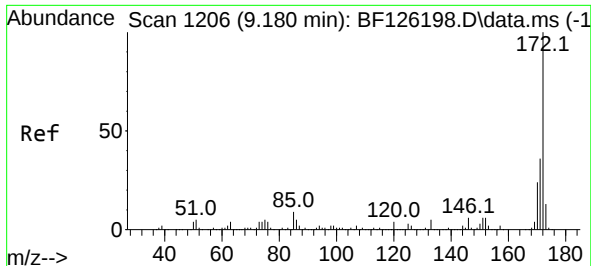


#42
2,4,6-Tribromophenol
Concen: 3.393 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52



Tgt Ion:330 Resp: 5265
Ion Ratio Lower Upper
330 100
332 91.1 76.2 114.4
141 46.2 44.6 66.8





#45

2-Fluorobiphenyl

Concen: 6.465 ng

RT: 9.175 min Scan# 11

Delta R.T. -0.006 min

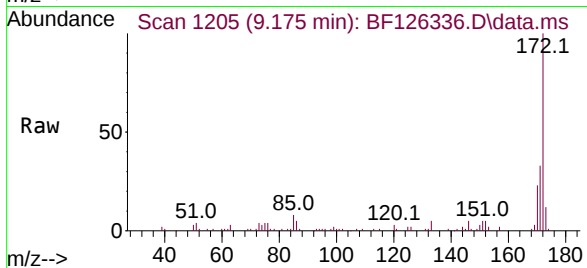
Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

Instrument :

BNA_F

ClientSampleId :



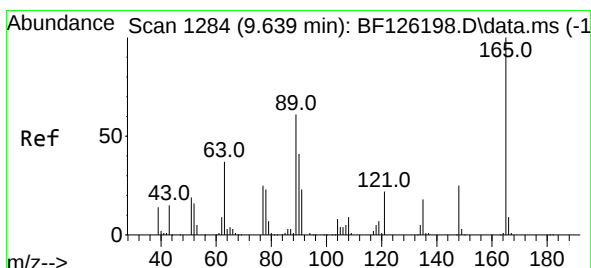
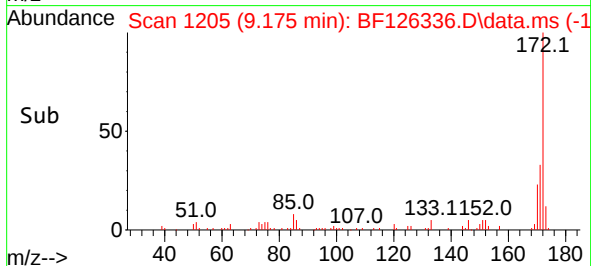
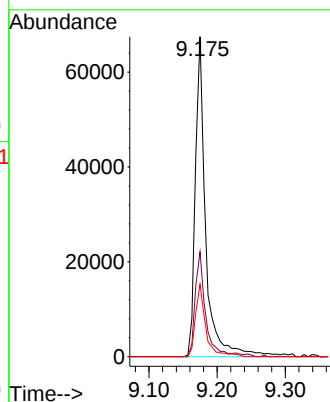
Tgt Ion:172 Resp: 71158

Ion Ratio Lower Upper

172 100

171 32.7 26.5 39.7

170 22.6 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.801 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

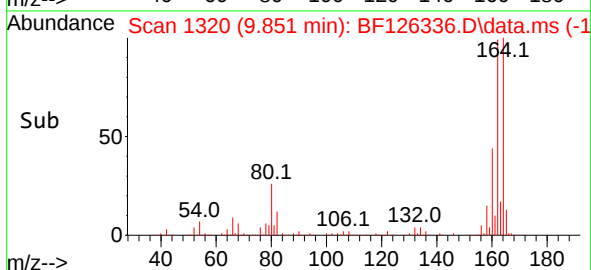
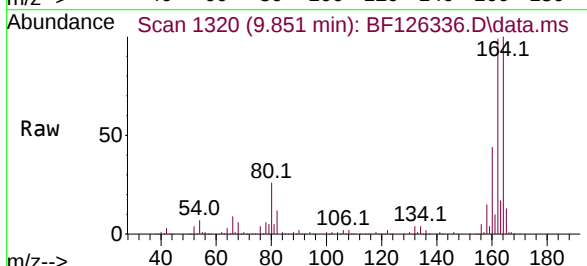
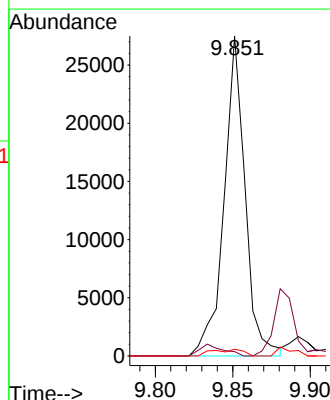
Tgt Ion:165 Resp: 25944

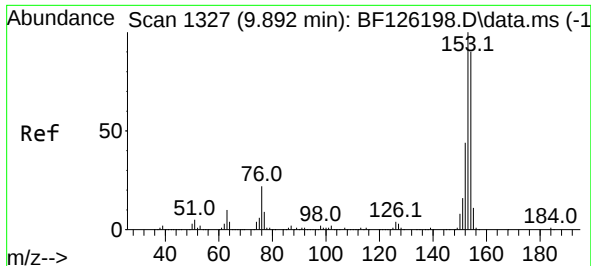
Ion Ratio Lower Upper

165 100

63 1.4 42.6 63.8#

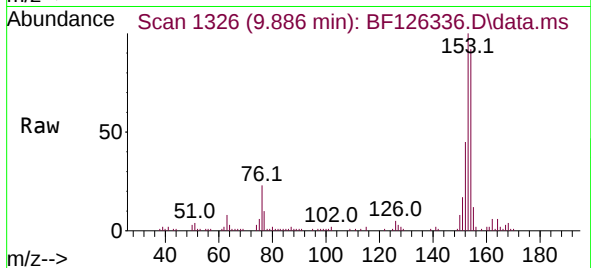
89 2.1 40.6 60.8#



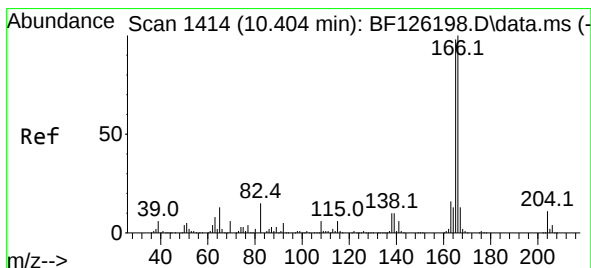
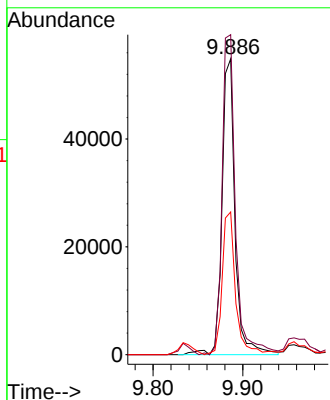
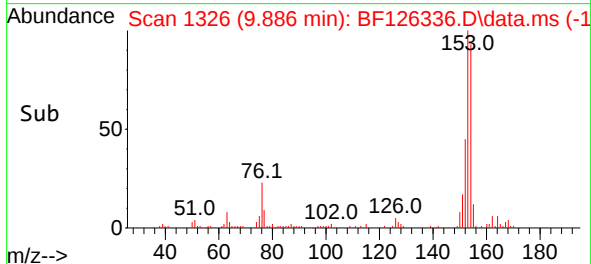


#52
Acenaphthene
Concen: 5.185 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

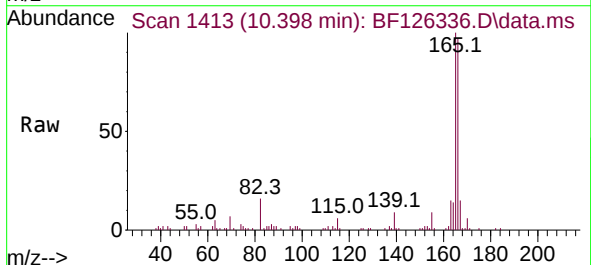
Instrument :
BNA_F
ClientSampleId :



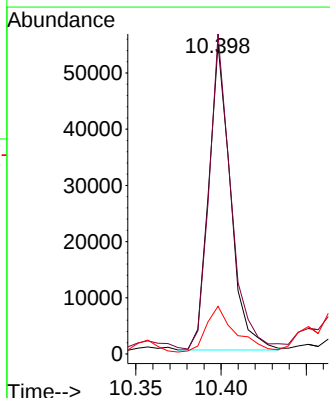
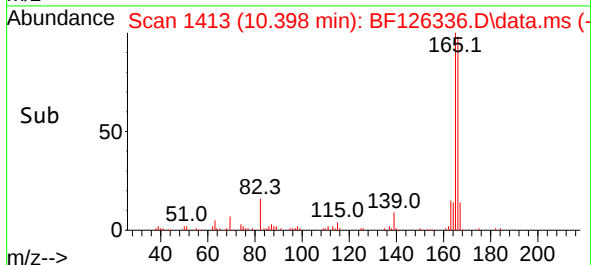
Tgt Ion:154 Resp: 55178
Ion Ratio Lower Upper
154 100
153 108.2 89.4 134.2
152 48.3 40.5 60.7

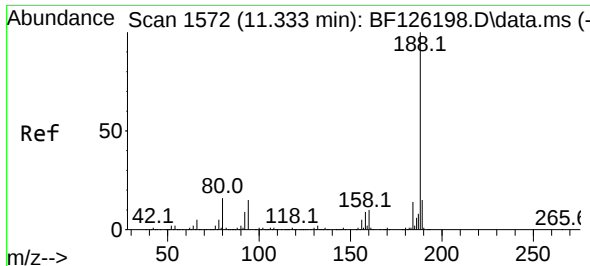


#58
Fluorene
Concen: 4.628 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52



Tgt Ion:166 Resp: 48545
Ion Ratio Lower Upper
166 100
165 103.2 78.1 117.1
167 15.4 11.1 16.7

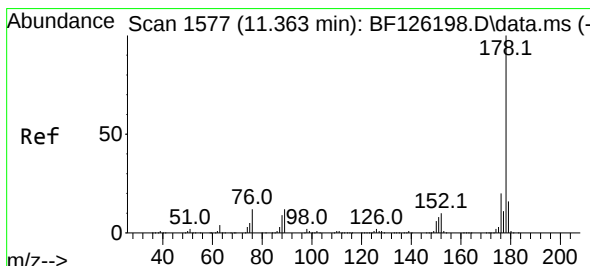
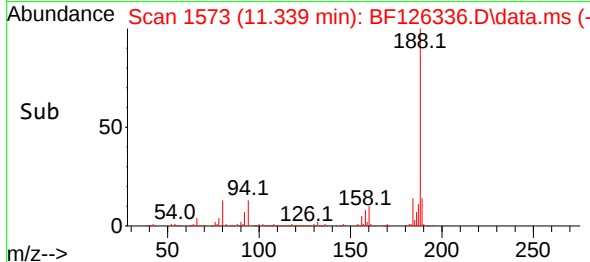
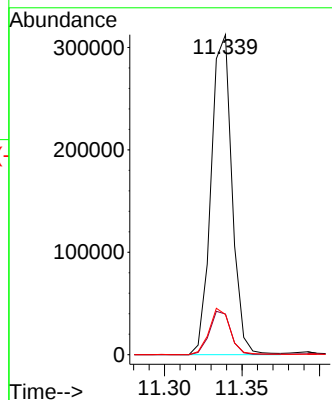
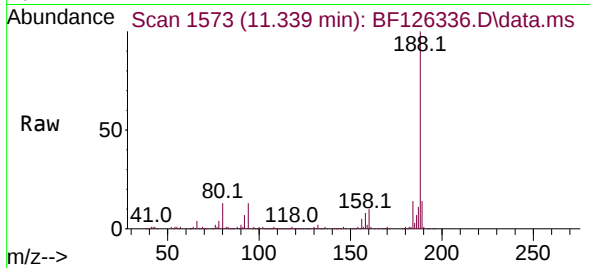




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

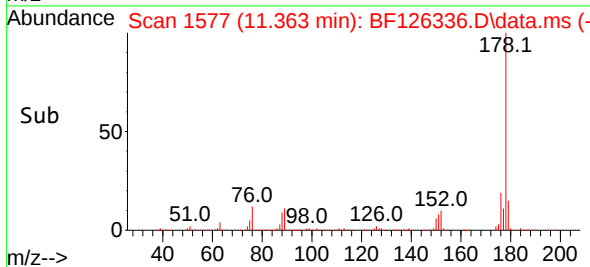
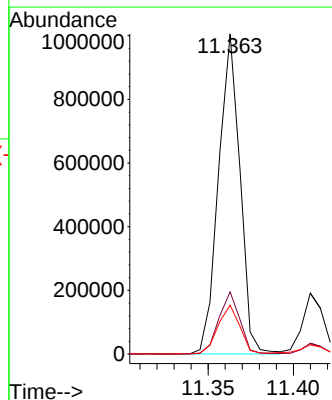
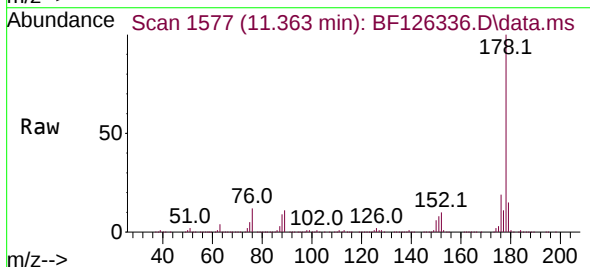
Instrument :
BNA_F
ClientSampleId :

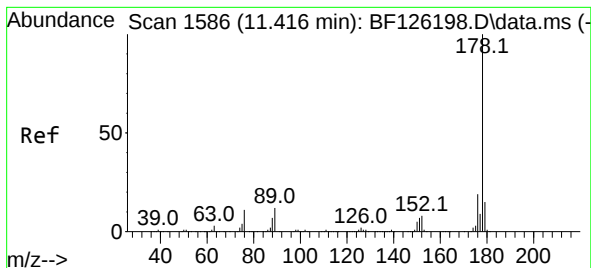
Tgt Ion:188 Resp: 293204
Ion Ratio Lower Upper
188 100
94 12.7 6.7 10.1#
80 12.5 7.5 11.3#



#71
Phenanthrene
Concen: 58.320 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

Tgt Ion:178 Resp: 882567
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.3 11.5 17.3





#72

Anthracene

Concen: 10.948 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

Instrument :

BNA_F

ClientSampleId :

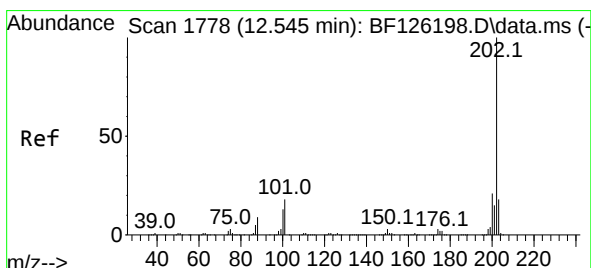
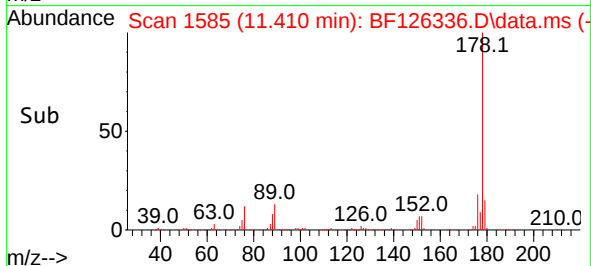
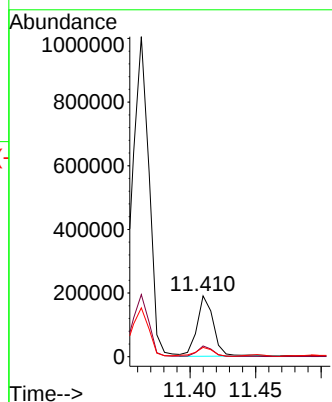
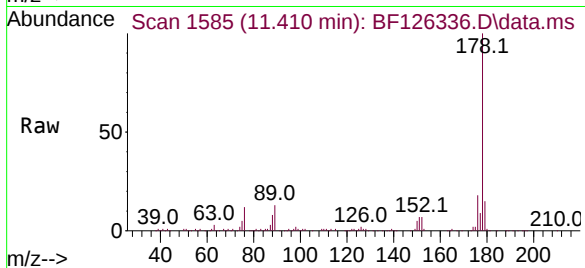
Tgt Ion:178 Resp: 166300

Ion Ratio Lower Upper

178 100

176 17.7 14.3 21.5

179 15.3 12.2 18.4



#75

Fluoranthene

Concen: 36.468 ng

RT: 12.551 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

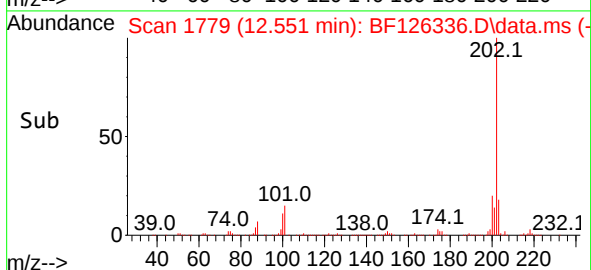
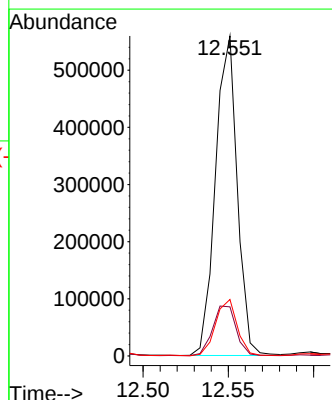
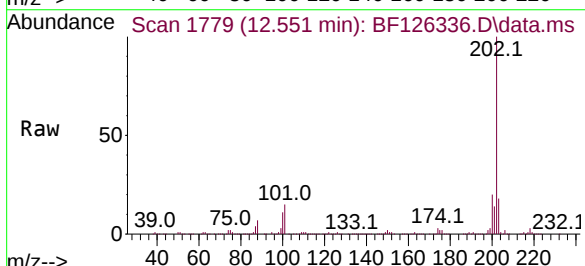
Tgt Ion:202 Resp: 497225

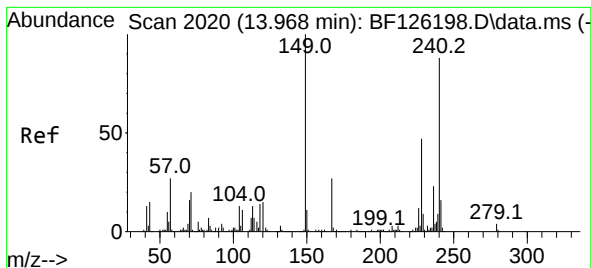
Ion Ratio Lower Upper

202 100

101 15.3 0.0 30.7

203 17.6 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

Instrument :

BNA_F

ClientSampleId :

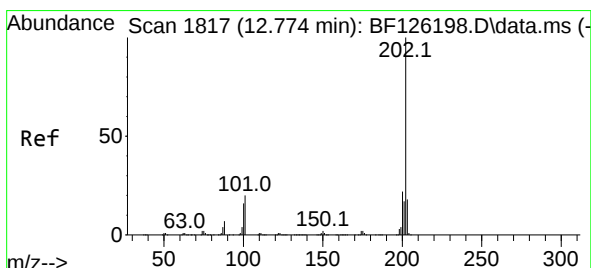
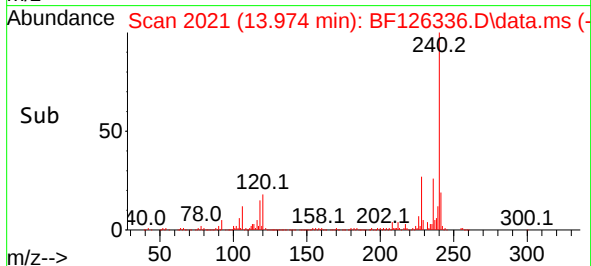
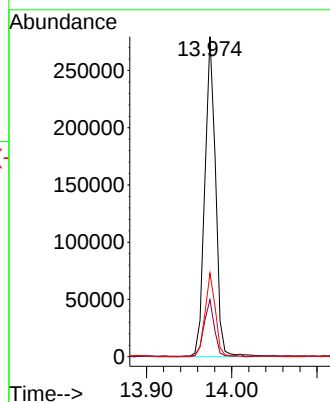
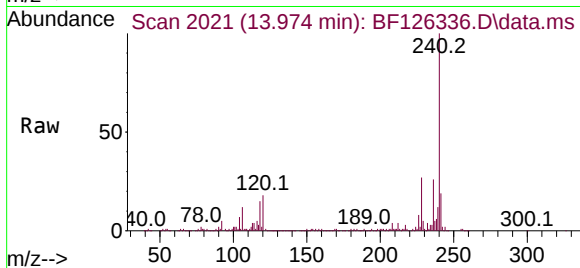
Tgt Ion:240 Resp: 245578

Ion Ratio Lower Upper

240 100

120 17.8 10.8 16.2#

236 26.1 21.6 32.4



#78

Pyrene

Concen: 35.133 ng

RT: 12.780 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

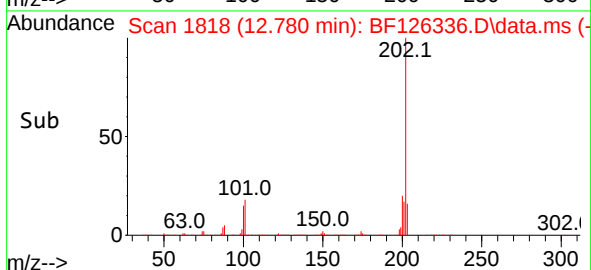
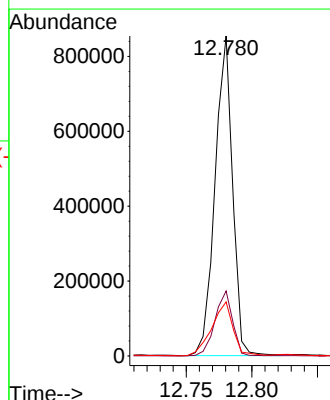
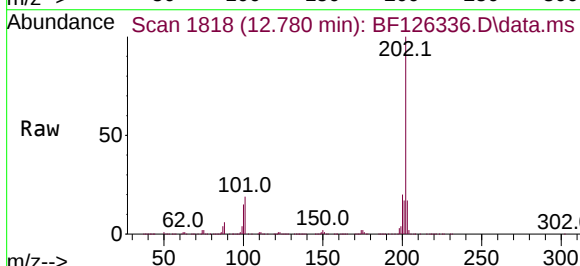
Tgt Ion:202 Resp: 792654

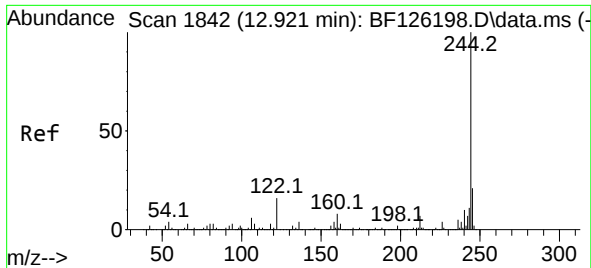
Ion Ratio Lower Upper

202 100

200 20.3 15.3 22.9

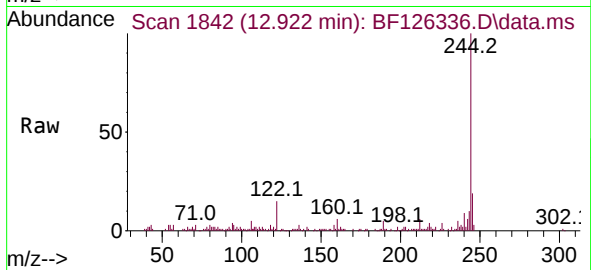
203 16.9 13.4 20.0



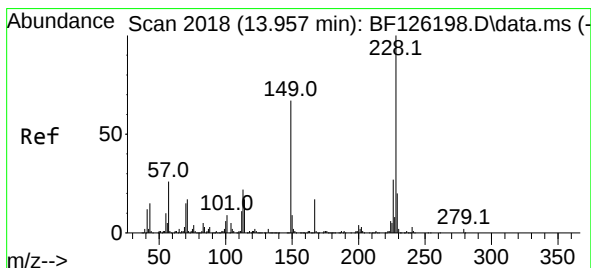
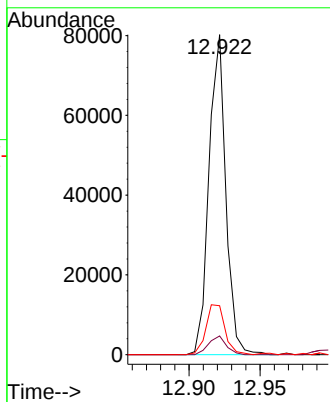
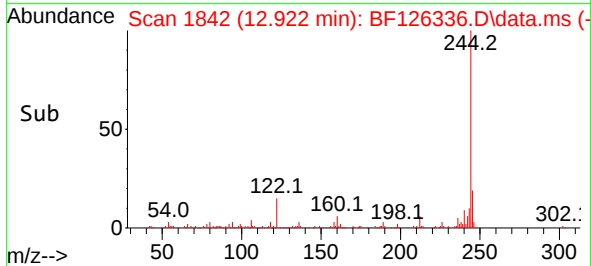


#79
 Terphenyl-d14
 Concen: 4.694 ng
 RT: 12.922 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126336.D
 Acq: 22 Dec 2021 18:52

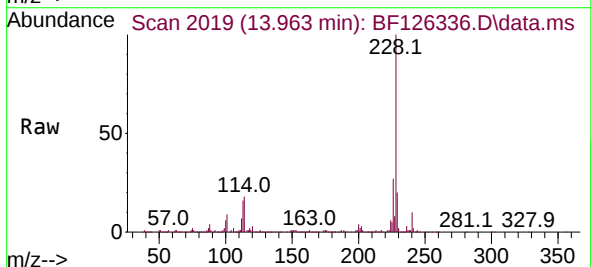
Instrument :
 BNA_F
 ClientSampleId :



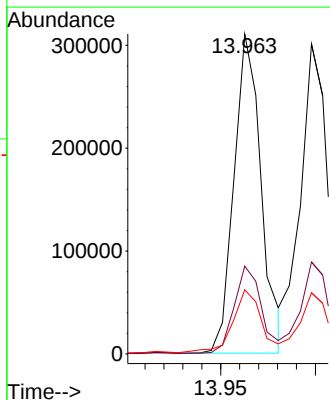
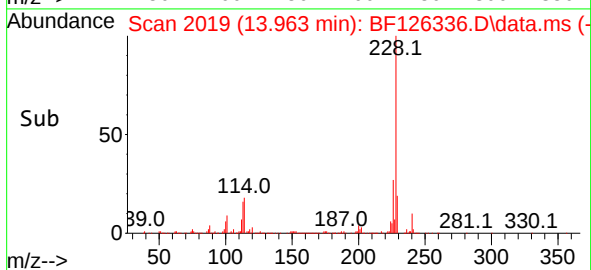
Tgt Ion:244 Resp: 66324
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.9 8.9#
 122 15.3 9.0 13.4#

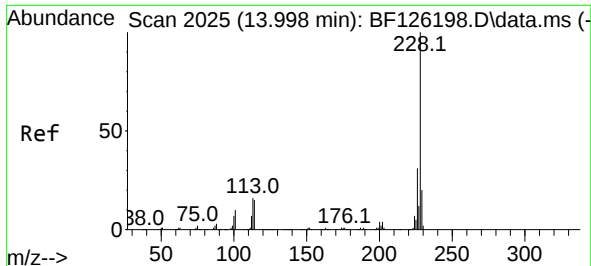


#81
 Benzo(a)anthracene
 Concen: 21.287 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF126336.D
 Acq: 22 Dec 2021 18:52



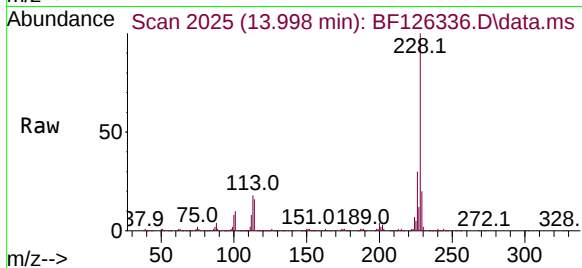
Tgt Ion:228 Resp: 309654
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.6 32.4
 229 20.1 15.6 23.4



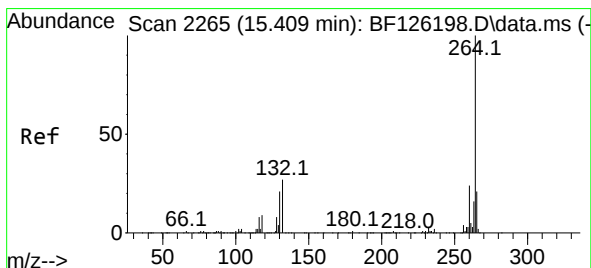
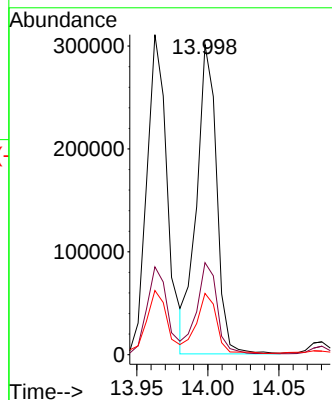
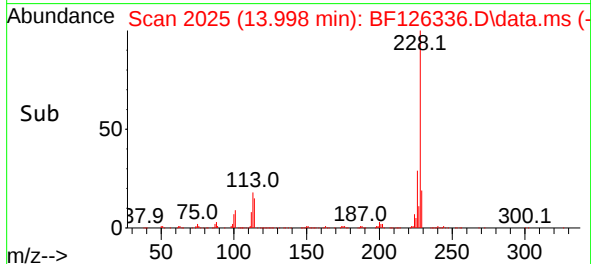


#83
Chrysene
Concen: 19.574 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

Instrument :
BNA_F
ClientSampleId :

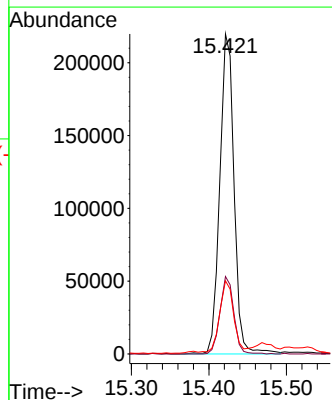
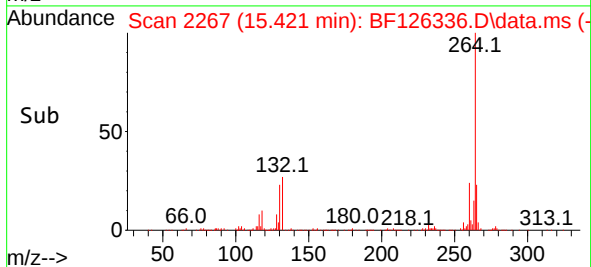
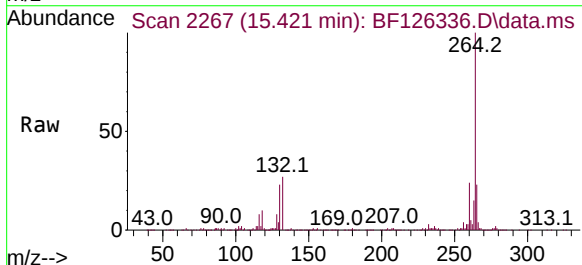


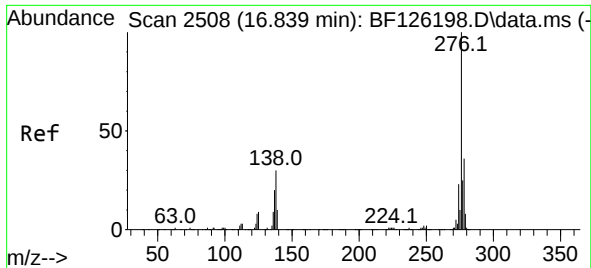
Tgt Ion:228 Resp: 295845
Ion Ratio Lower Upper
228 100
226 29.7 22.6 34.0
229 19.8 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

Tgt Ion:264 Resp: 281360
Ion Ratio Lower Upper
264 100
260 24.2 19.6 29.4
265 22.9 17.2 25.8

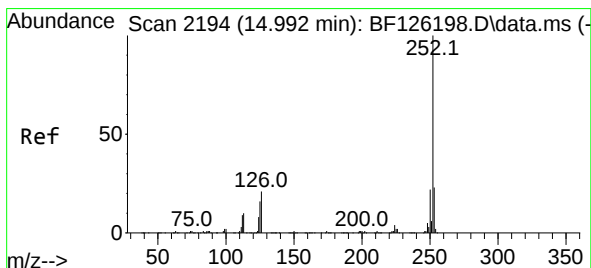
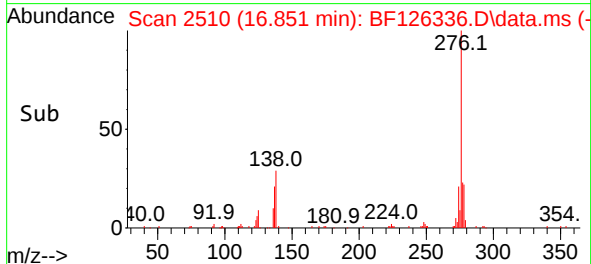
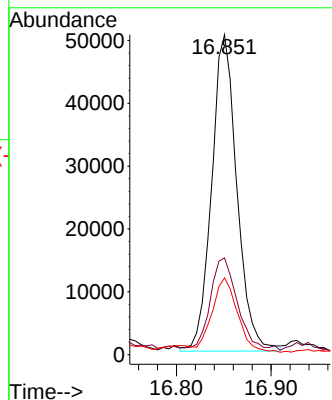
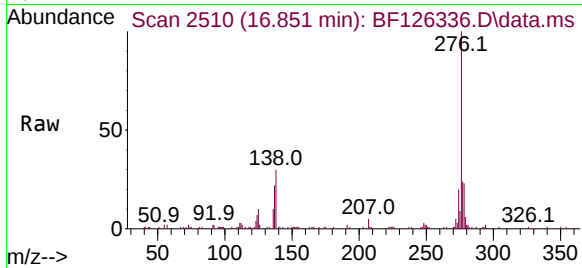




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.982 ng
 RT: 16.851 min Scan# 2196
 Delta R.T. -0.012 min
 Lab File: BF126336.D
 Acq: 22 Dec 2021 18:52

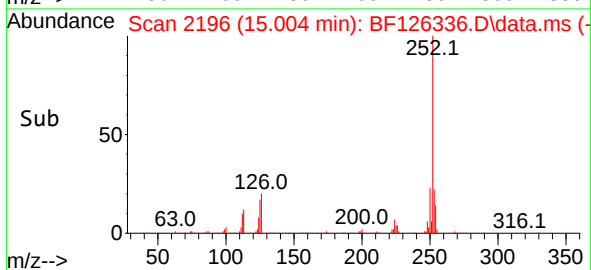
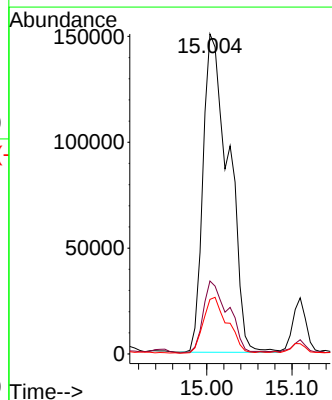
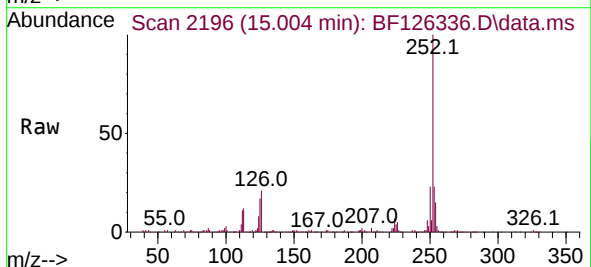
Instrument :
 BNA_F
 ClientSampleId :

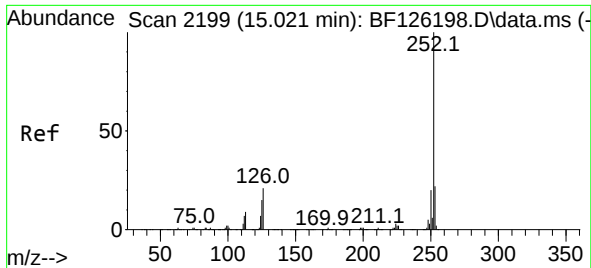
Tgt Ion:276 Resp: 93496
 Ion Ratio Lower Upper
 276 100
 138 31.9 24.1 36.1
 277 24.5 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 18.696 ng
 RT: 15.004 min Scan# 2196
 Delta R.T. 0.000 min
 Lab File: BF126336.D
 Acq: 22 Dec 2021 18:52

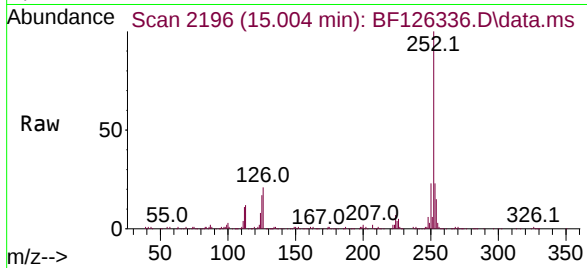
Tgt Ion:252 Resp: 316060
 Ion Ratio Lower Upper
 252 100
 253 22.8 16.8 25.2
 125 17.1 9.8 14.8#



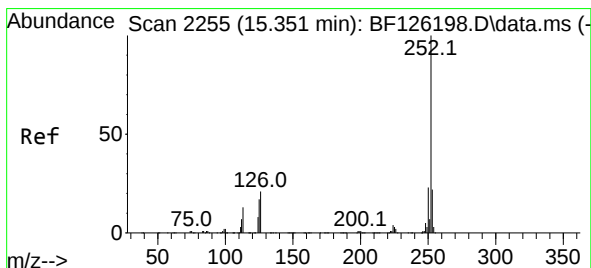
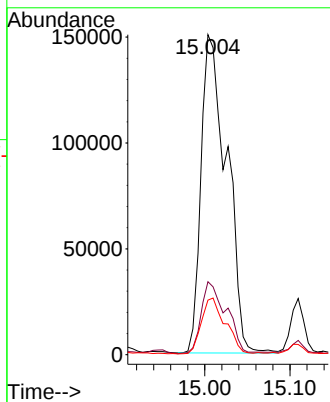
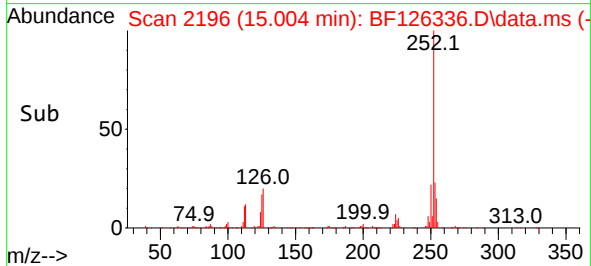


#89
Benzo(k)fluoranthene
Concen: 19.543 ng
RT: 15.004 min Scan# 2199
Delta R.T. -0.029 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

Instrument :
BNA_F
ClientSampleId :

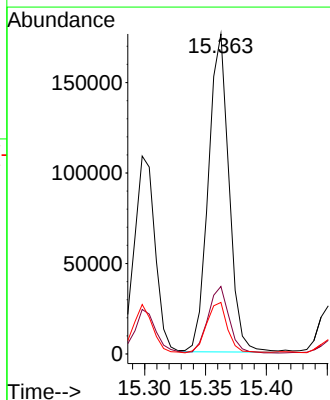
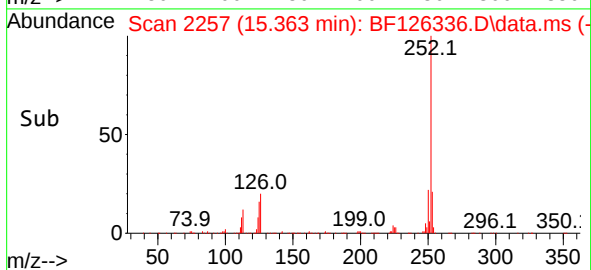
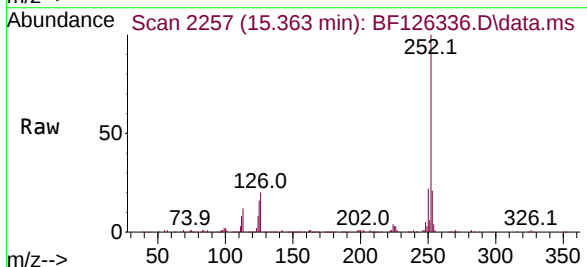


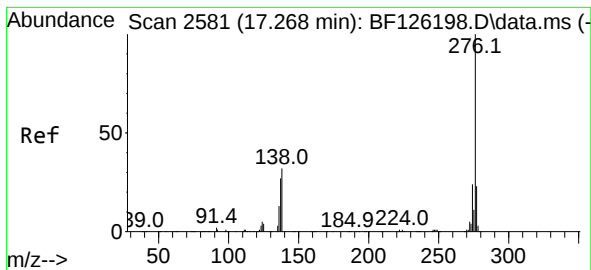
Tgt Ion:252 Resp: 316060
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 17.1 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 14.768 ng
RT: 15.363 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BF126336.D
Acq: 22 Dec 2021 18:52

Tgt Ion:252 Resp: 207494
Ion Ratio Lower Upper
252 100
253 21.1 18.4 27.6
125 16.1 9.9 14.9#





#92

Benzo(g,h,i)perylene

Concen: 5.604 ng

RT: 17.280 min Scan# 21

Delta R.T. -0.017 min

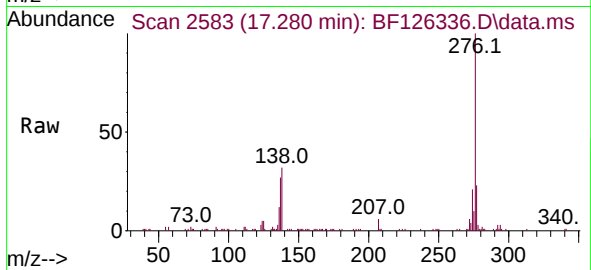
Lab File: BF126336.D

Acq: 22 Dec 2021 18:52

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 276 Resp: 88451

Ion Ratio Lower Upper

276 100

277 23.5 22.0 33.0

138 32.2 22.2 33.4

