

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
 Data File : BF126267.D
 Acq On : 18 Dec 2021 21:59
 Operator : JU/CG
 Sample : M5168-06 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 08:04:51 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)

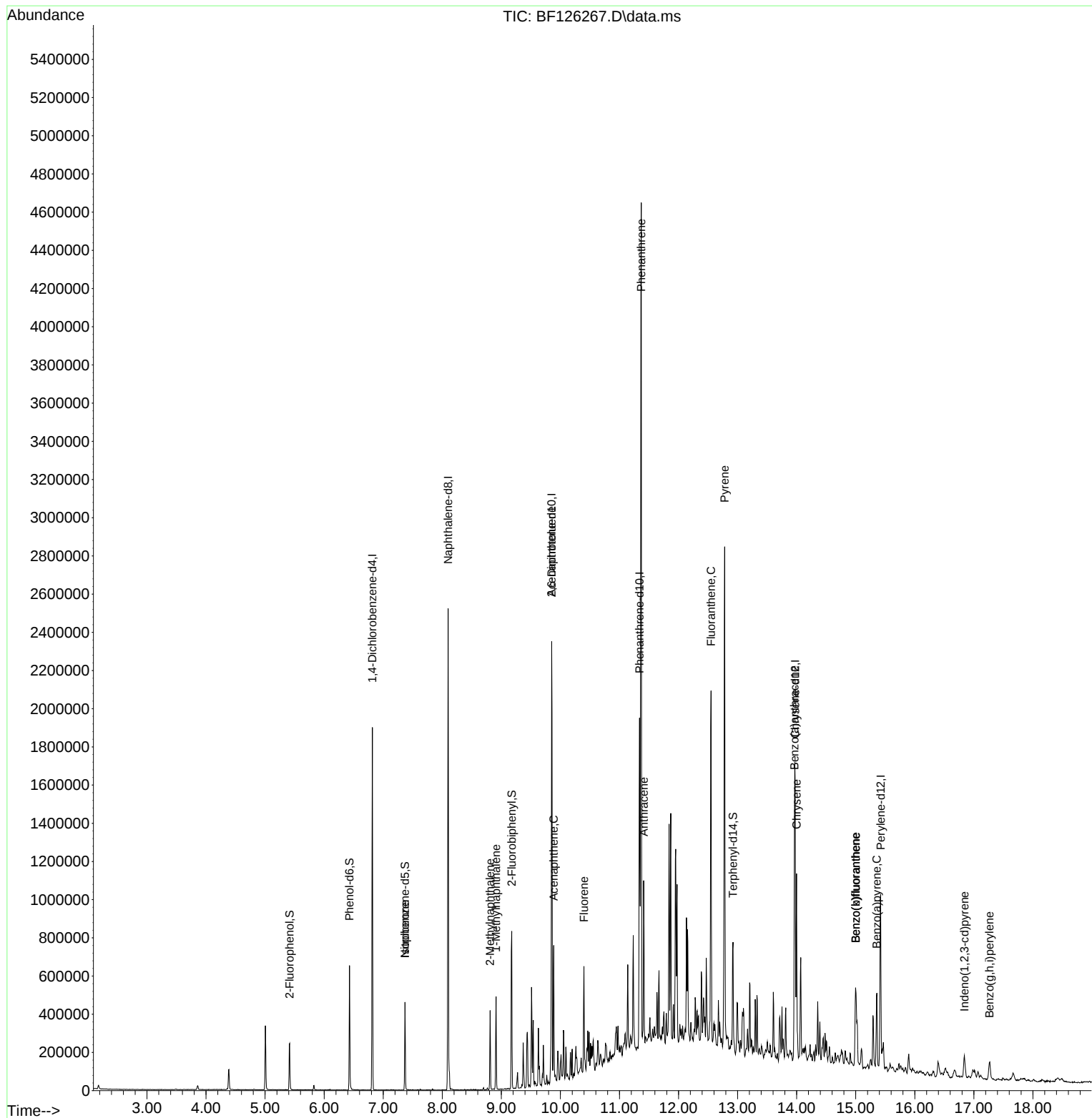
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	248858	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	1030083	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	468651	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	667814	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	395699	20.000	ng	0.00
86) Perylene-d12	15.421	264	367194	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	74893	4.432	ng	0.00
7) Phenol-d6	6.428	99	199817	9.312	ng	-0.02
23) Nitrobenzene-d5	7.369	82	133172	7.002	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	4398	1.168	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	241241	9.028	ng	0.00
79) Terphenyl-d14	12.922	244	168383	7.396	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.369	82	128411	3.575	ng	# 59
37) 2-Methylnaphthalene	8.810	142	97869	3.299	ng	97
38) 1-Methylnaphthalene	8.910	142	112589	3.911	ng	97
51) 2,6-Dinitrotoluene	9.851	165	67151	10.451	ng	# 28
52) Acenaphthene	9.886	154	139709	5.408	ng	98
58) Fluorene	10.398	166	119496	4.693	ng	99
71) Phenanthrene	11.369	178	1757811	50.998	ng	97
72) Anthracene	11.410	178	294991	8.527	ng	99
75) Fluoranthene	12.551	202	702344	22.616	ng	93
78) Pyrene	12.780	202	1037665	28.544	ng	98
81) Benzo(a)anthracene	13.963	228	350690	14.962	ng	99
83) Chrysene	13.998	228	316430	12.993	ng	99
87) Indeno(1,2,3-cd)pyrene	16.839	276	70118	2.863	ng	96
88) Benzo(b)fluoranthene	14.998	252	298443	13.527	ng	# 94
89) Benzo(k)fluoranthene	14.998	252	298443	14.140	ng	# 94
90) Benzo(a)pyrene	15.357	252	172663	9.416	ng	# 96
92) Benzo(g,h,i)perylene	17.262	276	65615	3.185	ng	93

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

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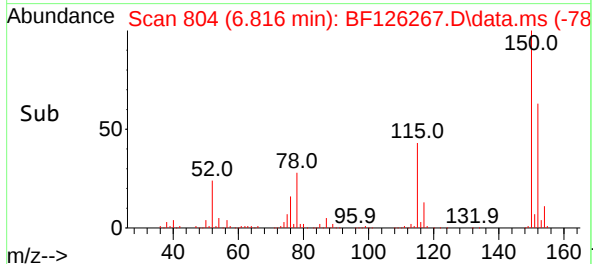
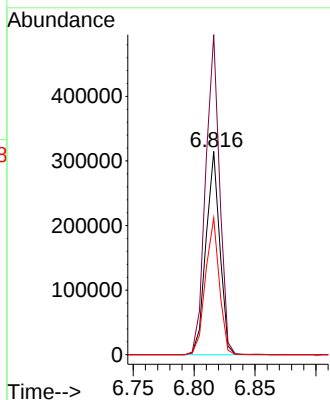
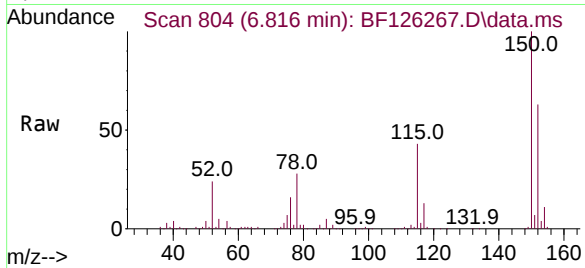




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

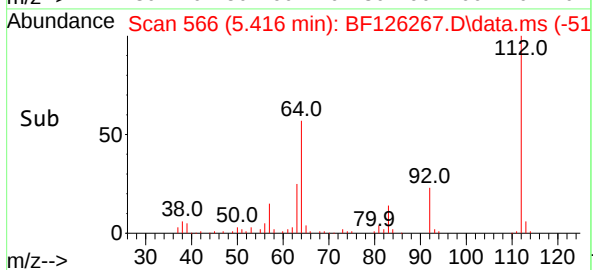
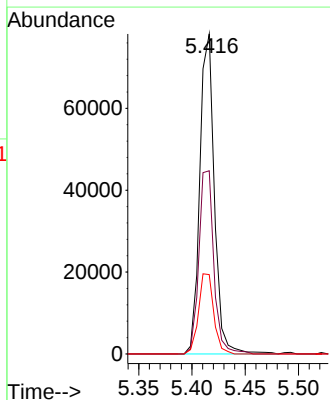
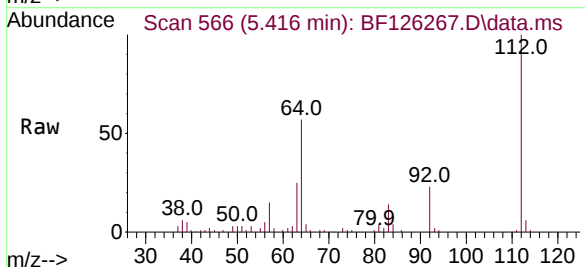
Instrument :
BNA_F
ClientSampleId :

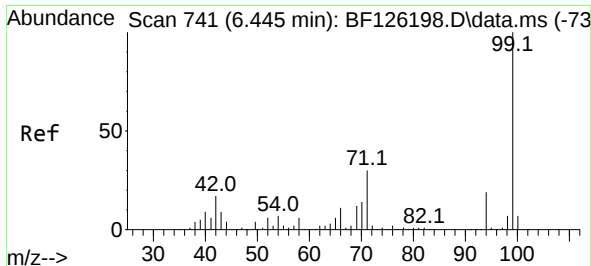
Tgt Ion:152 Resp: 248858
Ion Ratio Lower Upper
152 100
150 157.5 117.6 176.4
115 67.3 47.1 70.7



#5
2-Fluorophenol
Concen: 4.432 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

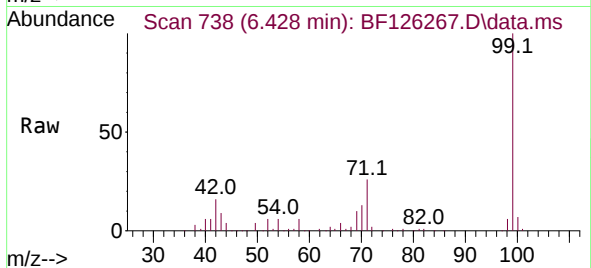
Tgt Ion:112 Resp: 74893
Ion Ratio Lower Upper
112 100
64 57.3 44.2 66.2
63 24.8 26.2 39.2#



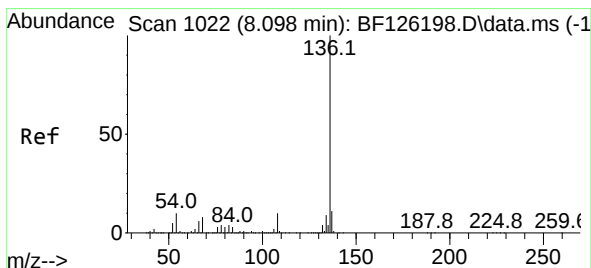
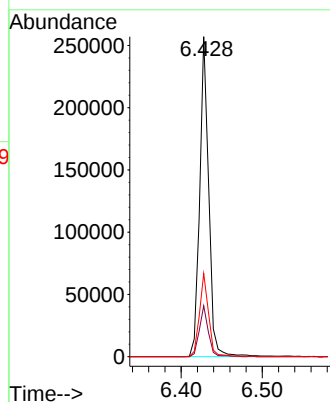
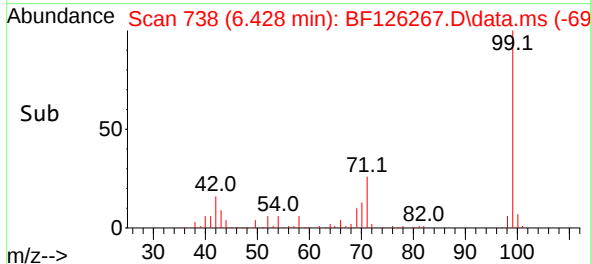


#7
Phenol-d6
Concen: 9.312 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

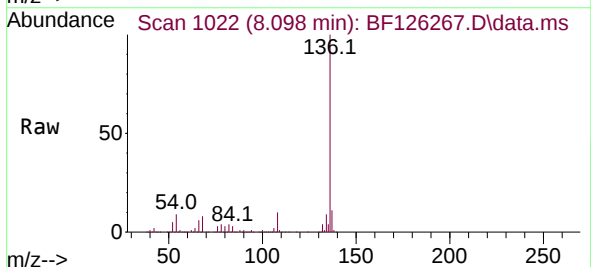
Instrument :
BNA_F
ClientSampleId :



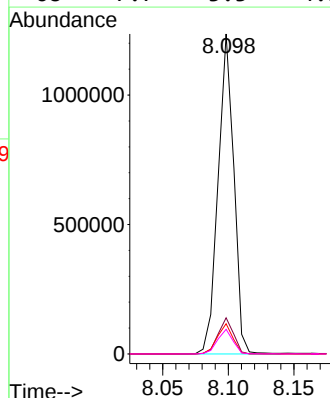
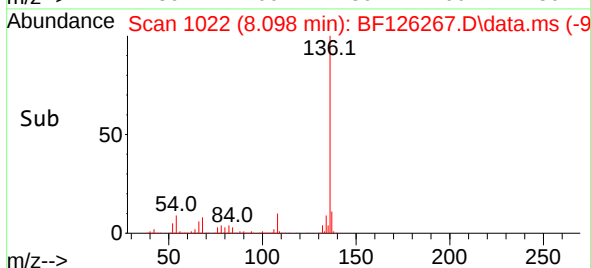
Tgt Ion: 99 Resp: 199817
Ion Ratio Lower Upper
99 100
42 15.9 23.5 35.3#
71 26.0 25.6 38.4

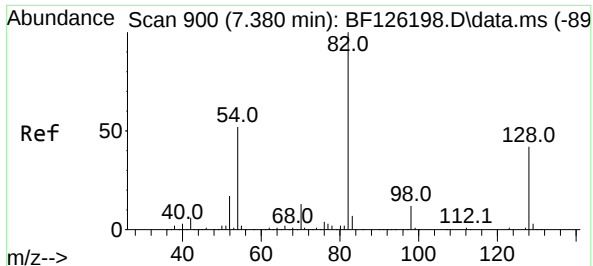


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59



Tgt Ion: 136 Resp: 1030083
Ion Ratio Lower Upper
136 100
137 11.3 9.8 14.6
54 9.4 6.4 9.6
68 7.7 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 7.002 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.011 min

Lab File: BF126267.D

Acq: 18 Dec 2021 21:59

Instrument :

BNA_F

ClientSampleId :

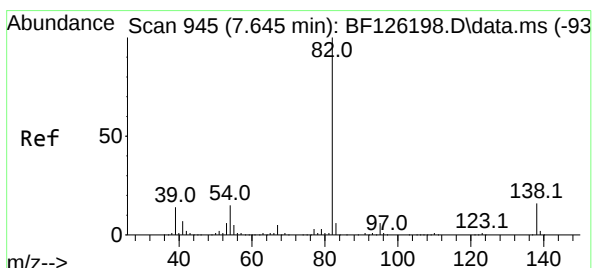
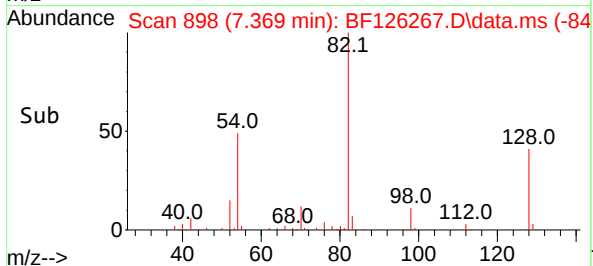
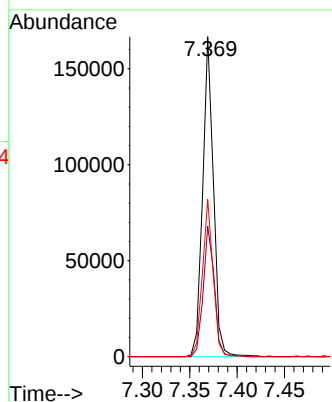
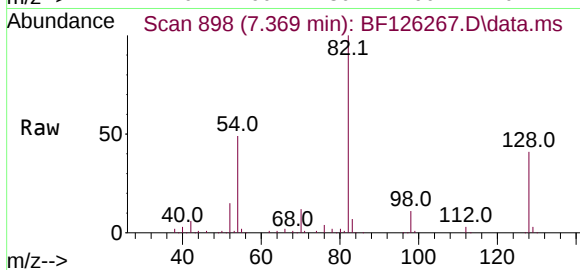
Tgt Ion: 82 Resp: 133172

Ion Ratio Lower Upper

82 100

128 40.8 40.6 60.8

54 49.2 49.6 74.4#



#25

Isophorone

Concen: 3.575 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.276 min

Lab File: BF126267.D

Acq: 18 Dec 2021 21:59

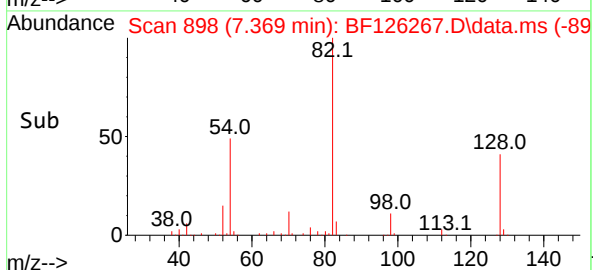
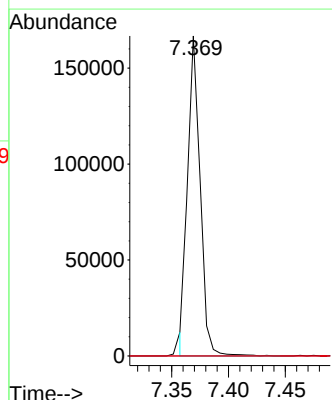
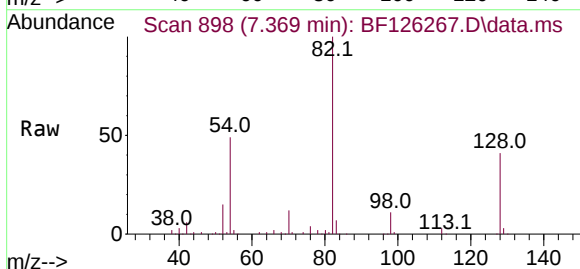
Tgt Ion: 82 Resp: 128411

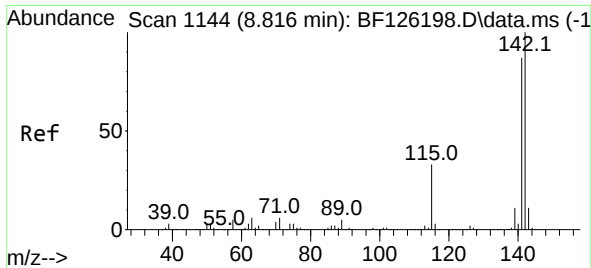
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#





#37

2-Methylnaphthalene

Concen: 3.299 ng

RT: 8.810 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF126267.D

Acq: 18 Dec 2021 21:59

Instrument :

BNA_F

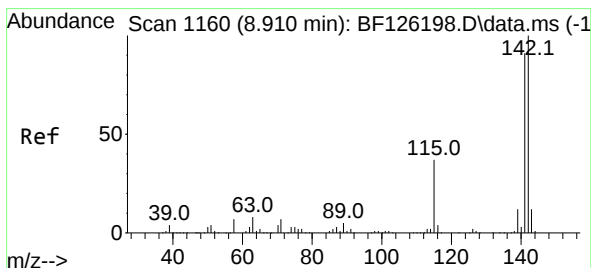
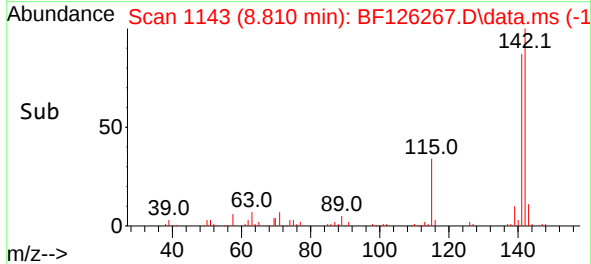
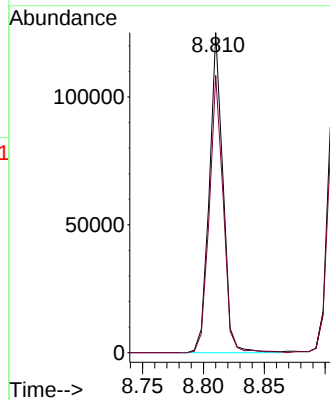
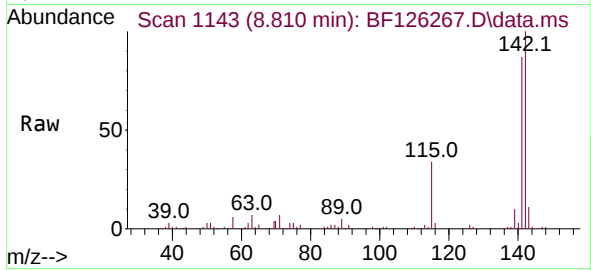
ClientSampleId :

Tgt Ion:142 Resp: 97869

Ion Ratio Lower Upper

142 100

141 86.7 71.2 106.8



#38

1-Methylnaphthalene

Concen: 3.911 ng

RT: 8.910 min Scan# 1160

Delta R.T. 0.000 min

Lab File: BF126267.D

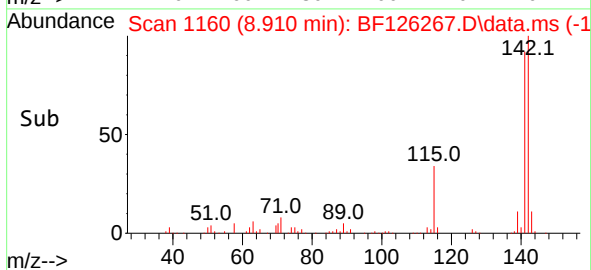
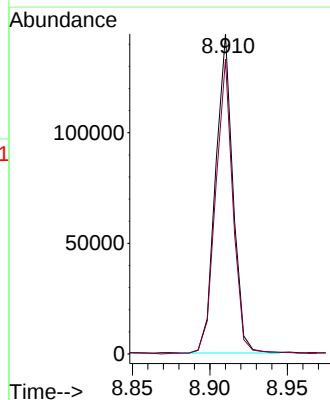
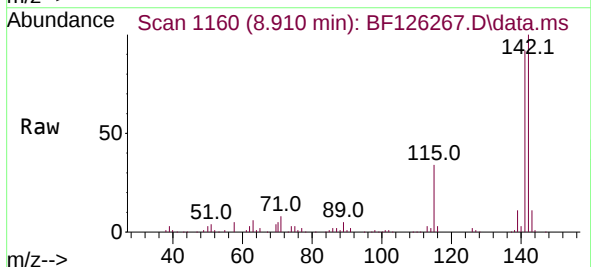
Acq: 18 Dec 2021 21:59

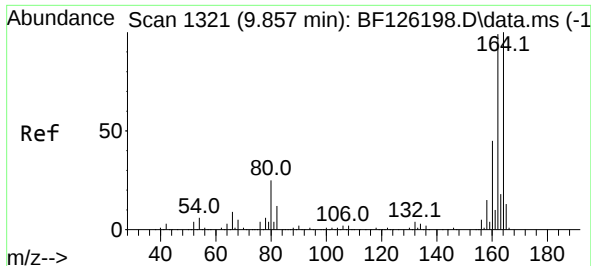
Tgt Ion:142 Resp: 112589

Ion Ratio Lower Upper

142 100

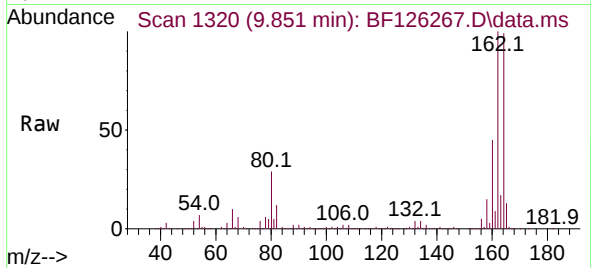
141 92.1 76.0 114.0



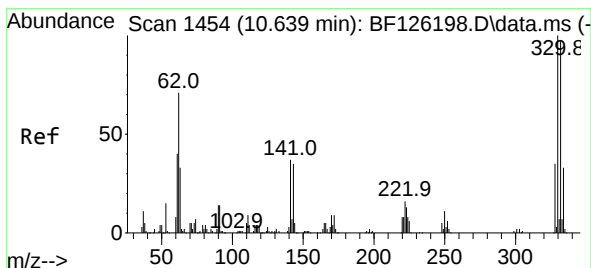
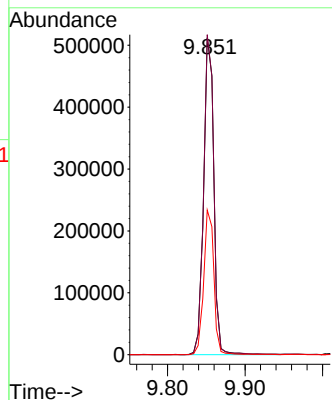
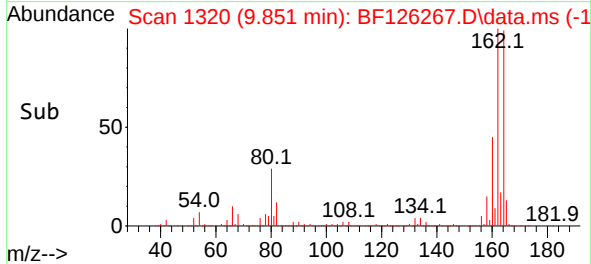


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

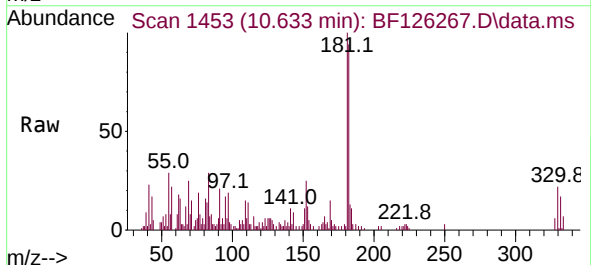
Instrument :
BNA_F
ClientSampleId :



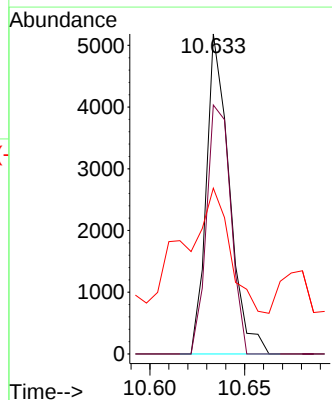
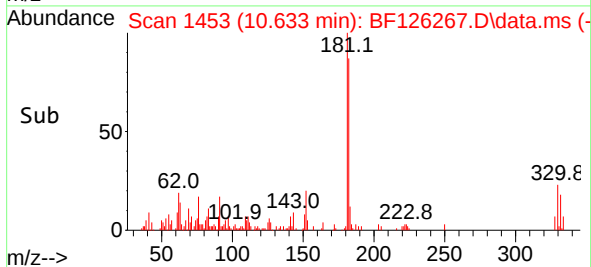
Tgt Ion:164 Resp: 468651
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 45.6 38.0 57.0

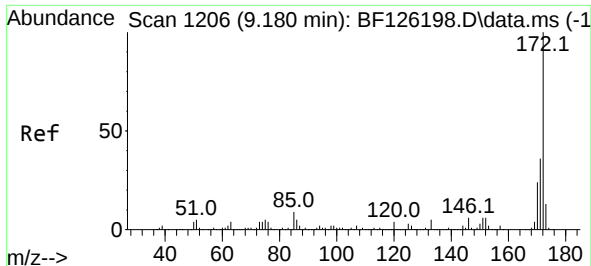


#42
2,4,6-Tribromophenol
Concen: 1.168 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59



Tgt Ion:330 Resp: 4398
Ion Ratio Lower Upper
330 100
332 81.8 76.2 114.4
141 82.2 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 9.028 ng

RT: 9.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126267.D

Acq: 18 Dec 2021 21:59

Instrument :

BNA_F

ClientSampleId :

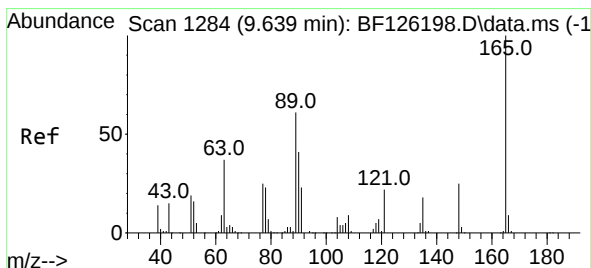
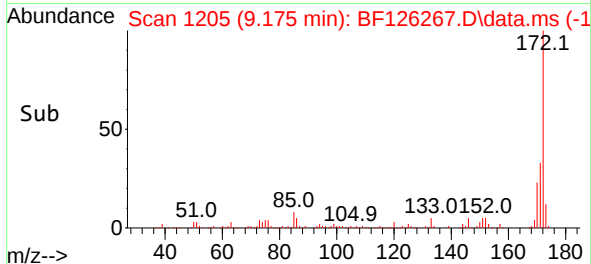
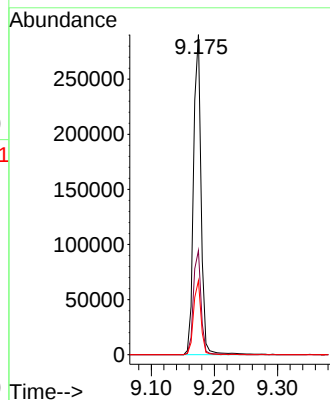
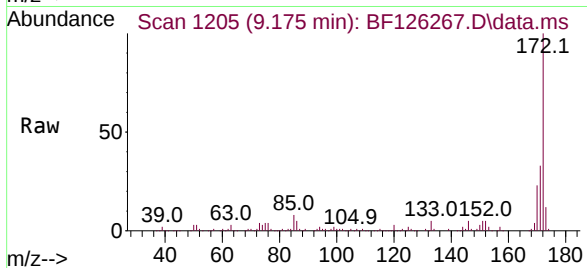
Tgt Ion:172 Resp: 241241

Ion Ratio Lower Upper

172 100

171 32.6 26.5 39.7

170 23.1 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 10.451 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF126267.D

Acq: 18 Dec 2021 21:59

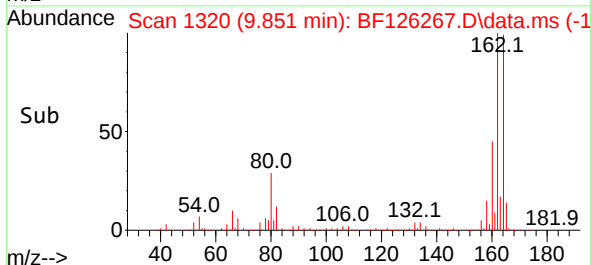
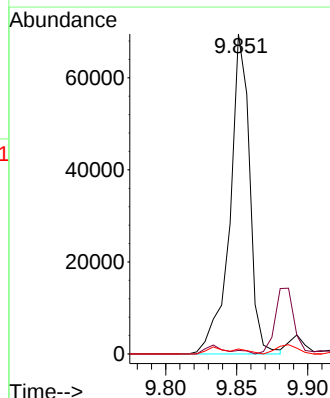
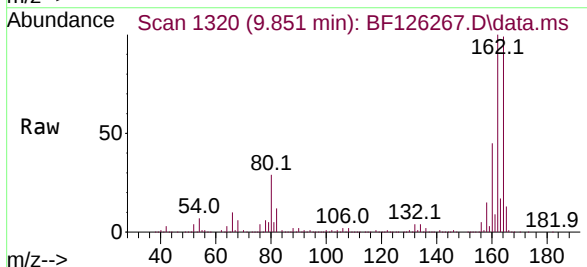
Tgt Ion:165 Resp: 67151

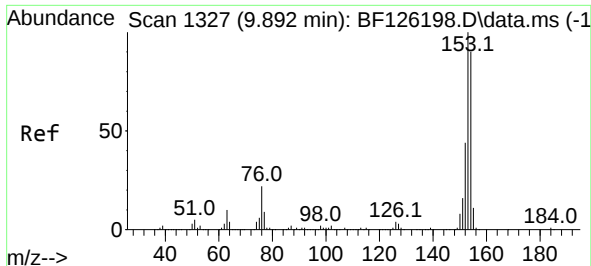
Ion Ratio Lower Upper

165 100

63 1.1 42.6 63.8#

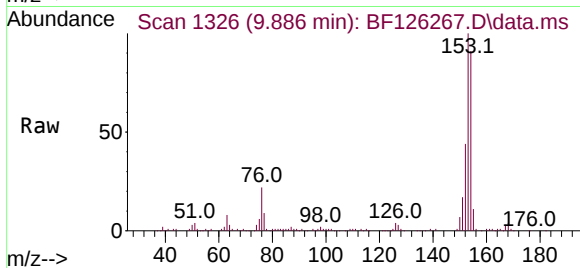
89 1.5 40.6 60.8#



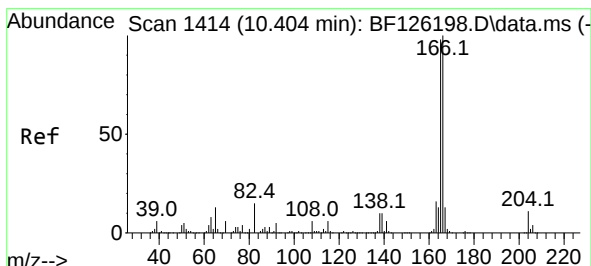
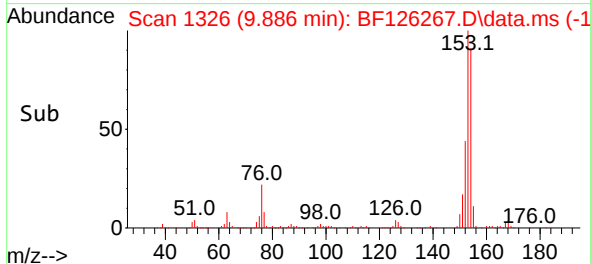
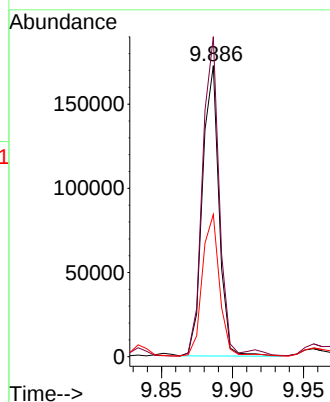


#52
Acenaphthene
Concen: 5.408 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

Instrument :
BNA_F
ClientSampleId :

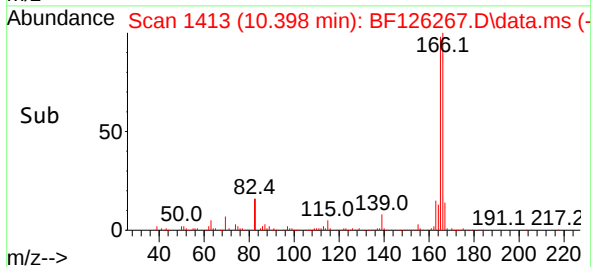
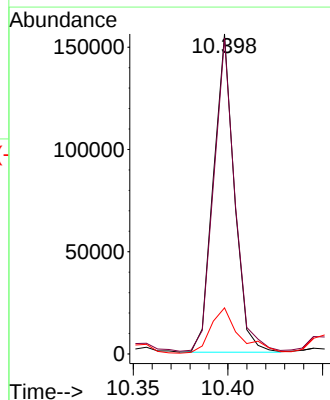
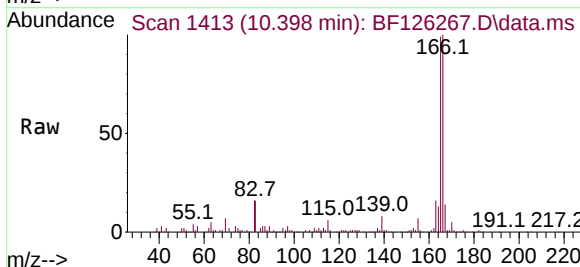


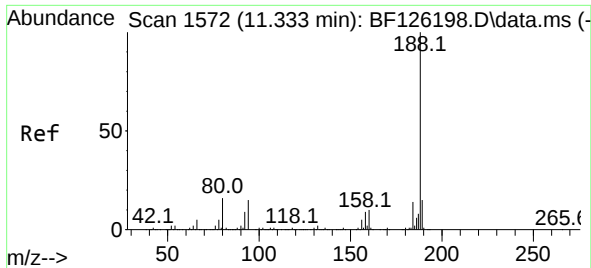
Tgt Ion:154 Resp: 139709
Ion Ratio Lower Upper
154 100
153 110.0 89.4 134.2
152 48.9 40.5 60.7



#58
Fluorene
Concen: 4.693 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

Tgt Ion:166 Resp: 119496
Ion Ratio Lower Upper
166 100
165 98.8 78.1 117.1
167 14.4 11.1 16.7

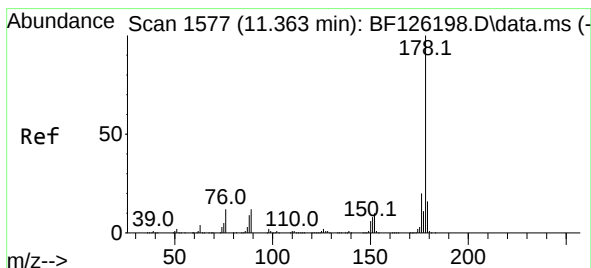
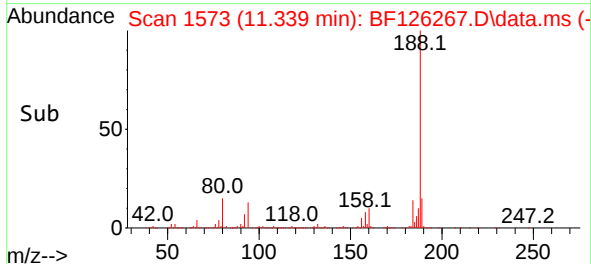
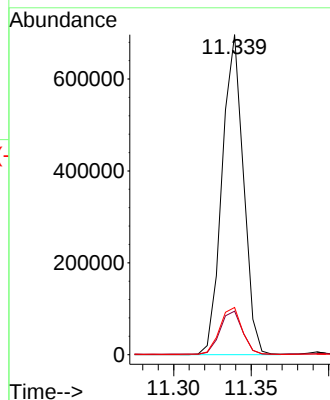
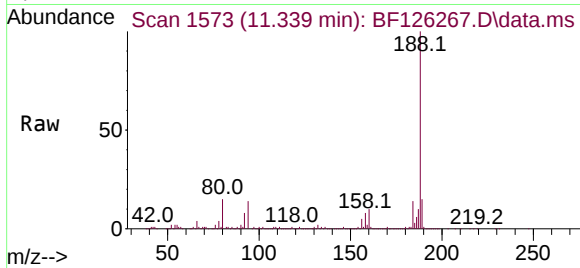




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

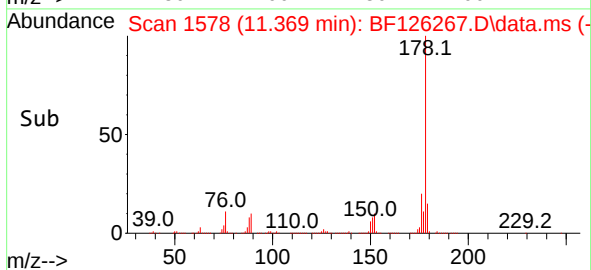
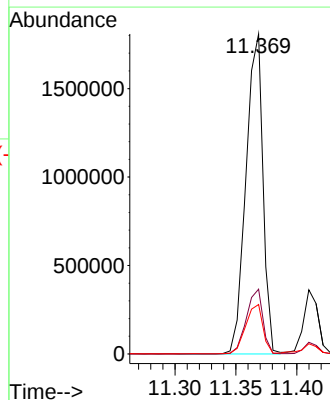
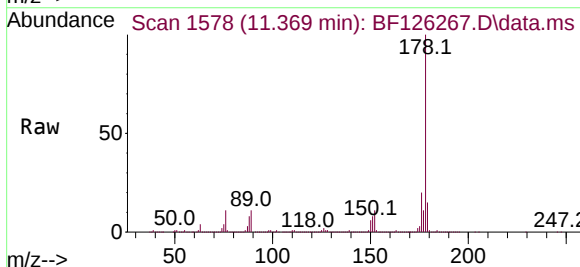
Instrument :
BNA_F
ClientSampleId :

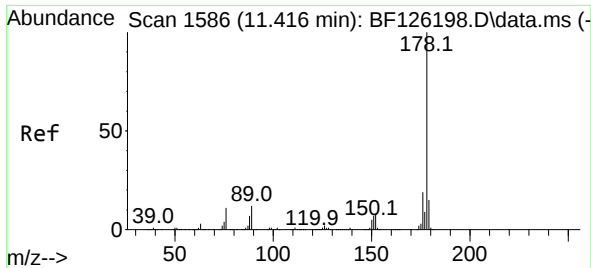
Tgt Ion:188 Resp: 667814
Ion Ratio Lower Upper
188 100
94 13.6 6.7 10.1#
80 14.7 7.5 11.3#



#71
Phenanthrene
Concen: 50.998 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

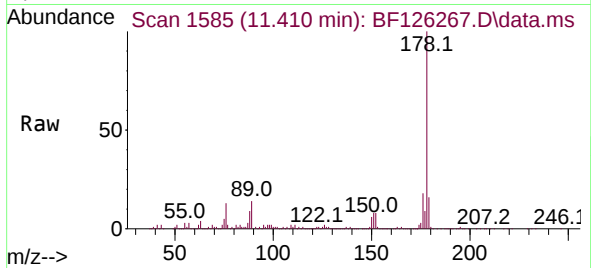
Tgt Ion:178 Resp: 1757811
Ion Ratio Lower Upper
178 100
176 20.3 14.7 22.1
179 15.5 11.5 17.3



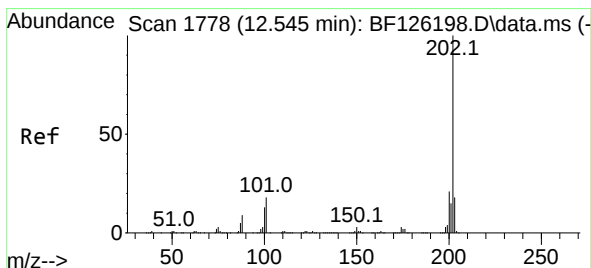
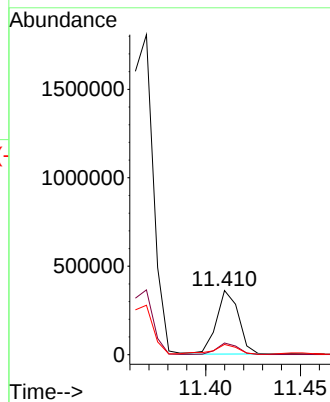
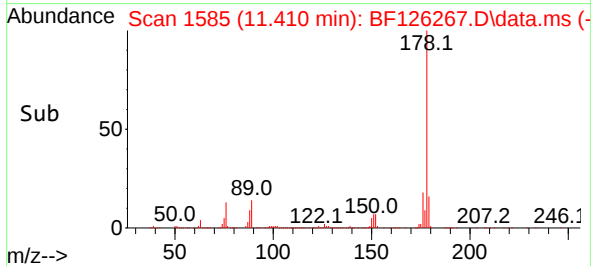


#72
 Anthracene
 Concen: 8.527 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126267.D
 Acq: 18 Dec 2021 21:59

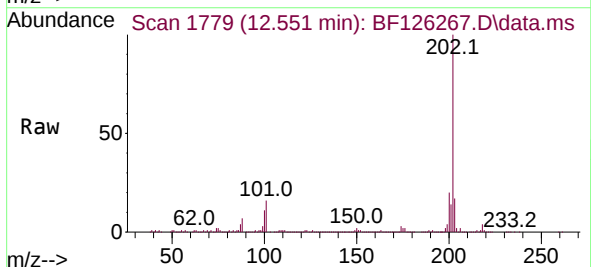
Instrument :
 BNA_F
 ClientSampleId :



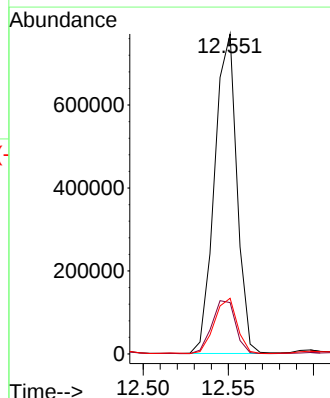
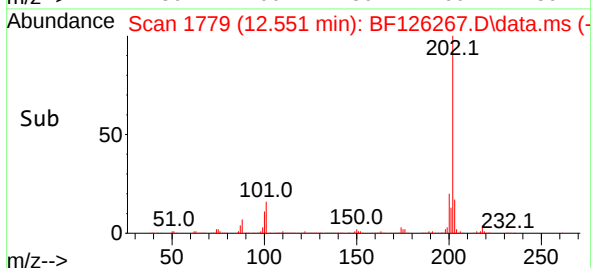
Tgt Ion:178 Resp: 294991
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.3 21.5
 179 16.0 12.2 18.4

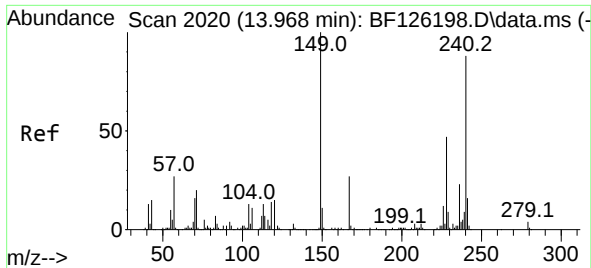


#75
 Fluoranthene
 Concen: 22.616 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. 0.006 min
 Lab File: BF126267.D
 Acq: 18 Dec 2021 21:59



Tgt Ion:202 Resp: 702344
 Ion Ratio Lower Upper
 202 100
 101 16.1 0.0 30.7
 203 17.4 0.0 36.3

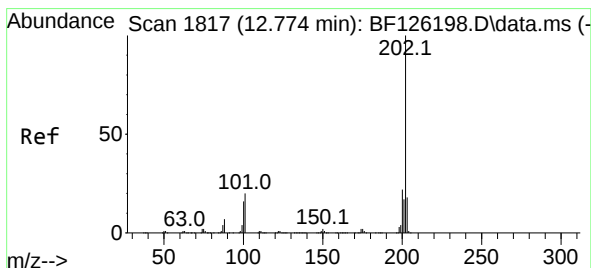
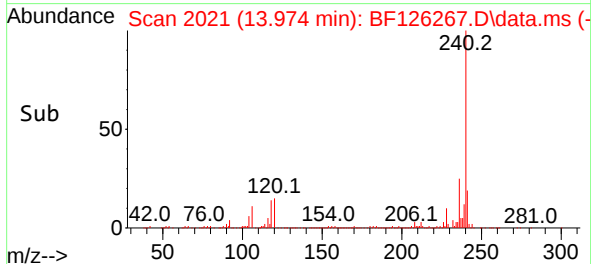
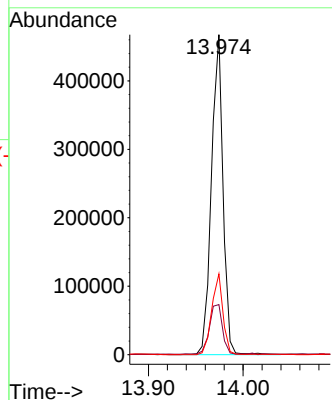
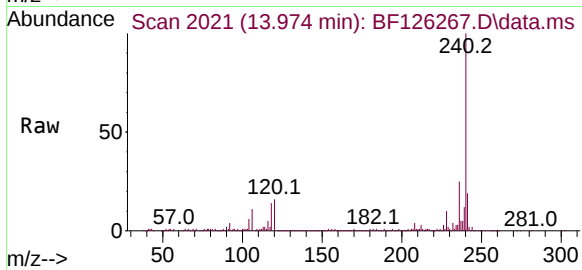




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

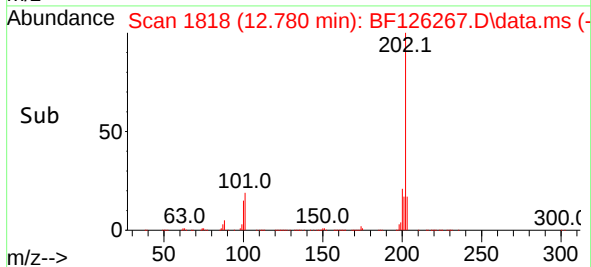
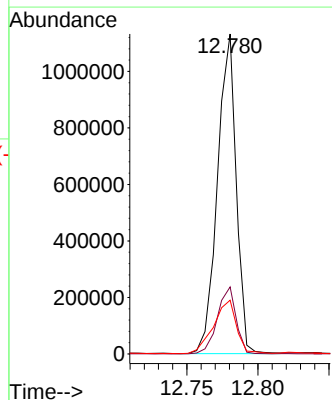
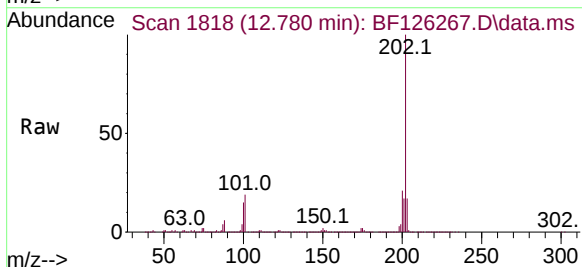
Instrument :
BNA_F
ClientSampleId :

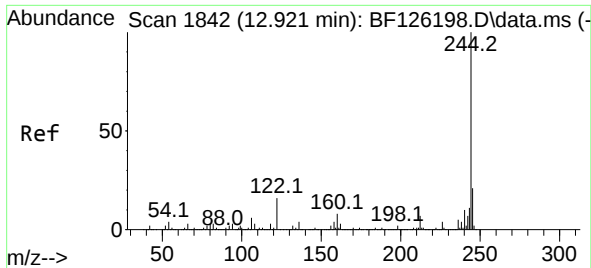
Tgt Ion:240 Resp: 395699
Ion Ratio Lower Upper
240 100
120 15.6 10.8 16.2
236 25.2 21.6 32.4



#78
Pyrene
Concen: 28.544 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

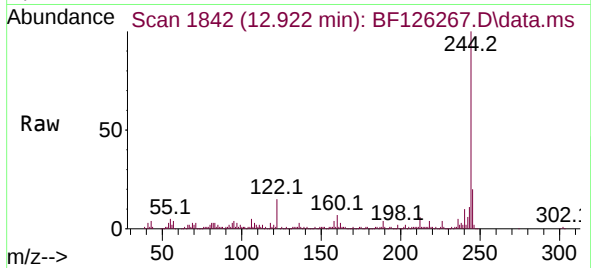
Tgt Ion:202 Resp: 1037665
Ion Ratio Lower Upper
202 100
200 21.0 15.3 22.9
203 16.8 13.4 20.0



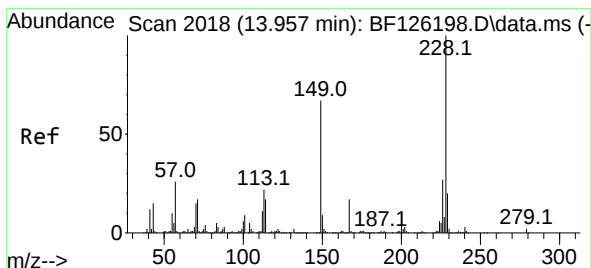
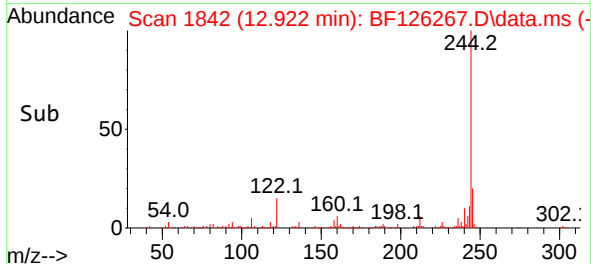
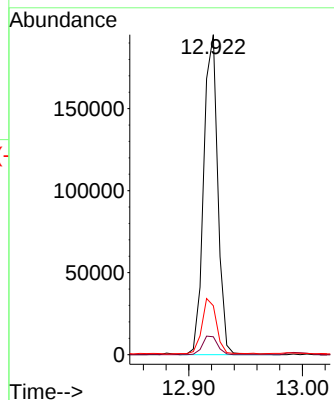


#79
 Terphenyl-d14
 Concen: 7.396 ng
 RT: 12.922 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF126267.D
 Acq: 18 Dec 2021 21:59

Instrument :
 BNA_F
 ClientSampleId :

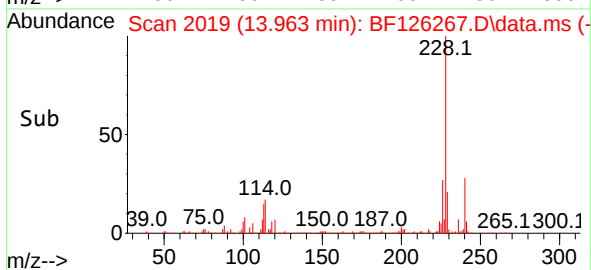
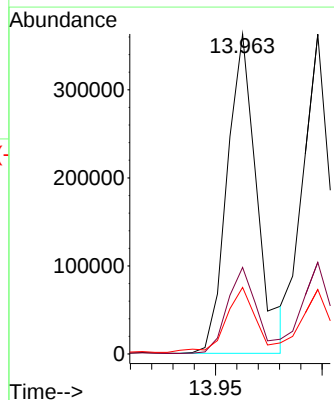
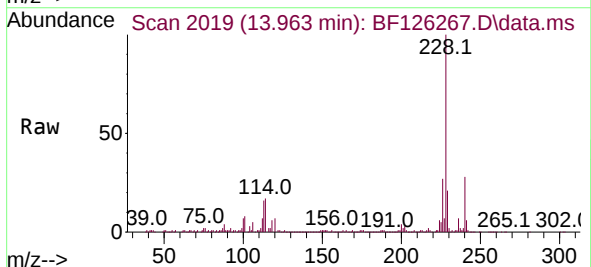


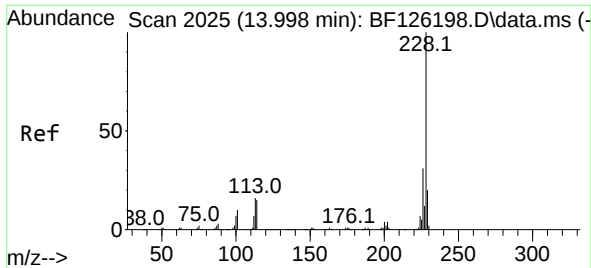
Tgt Ion:244 Resp: 168383
 Ion Ratio Lower Upper
 244 100
 212 5.6 5.9 8.9#
 122 15.3 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 14.962 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF126267.D
 Acq: 18 Dec 2021 21:59

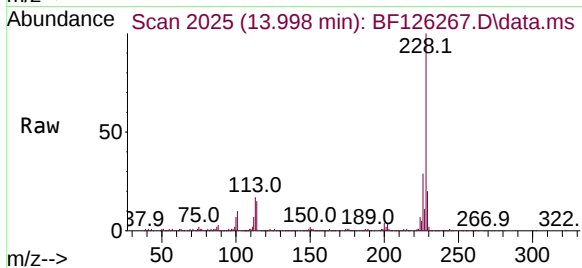
Tgt Ion:228 Resp: 350690
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.6 32.4
 229 20.8 15.6 23.4



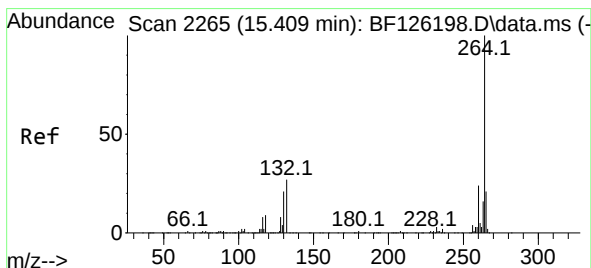
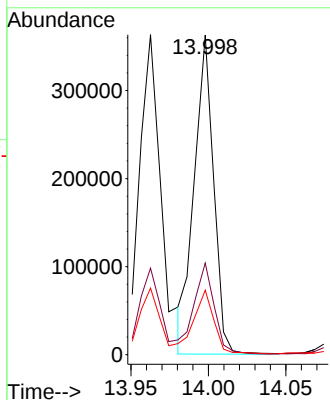
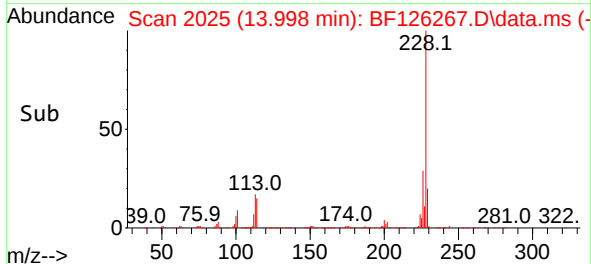


#83
Chrysene
Concen: 12.993 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

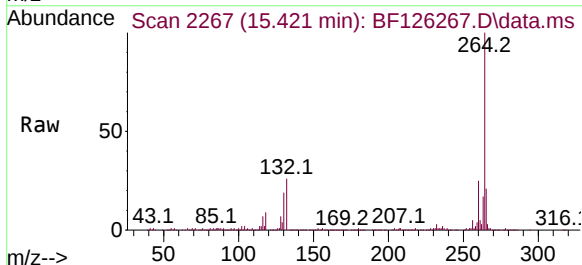
Instrument :
BNA_F
ClientSampleId :



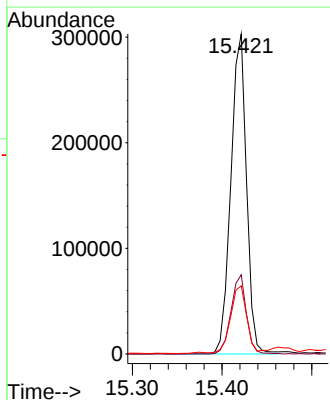
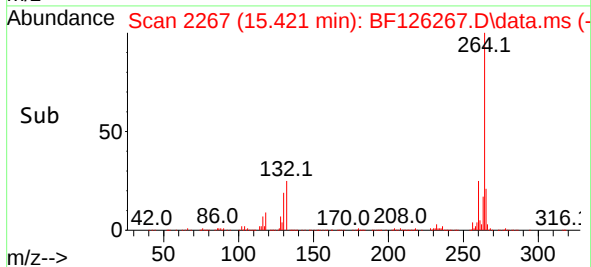
Tgt Ion:228 Resp: 316430
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 20.2 15.9 23.9

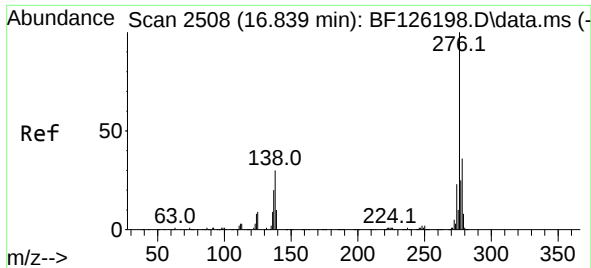


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59



Tgt Ion:264 Resp: 367194
Ion Ratio Lower Upper
264 100
260 24.7 19.6 29.4
265 21.3 17.2 25.8

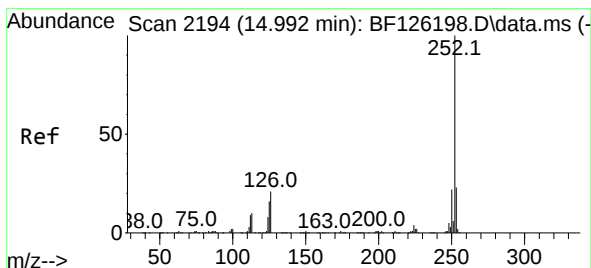
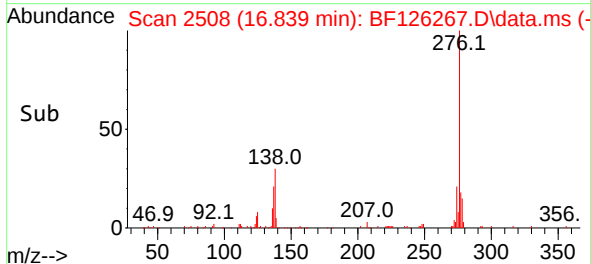
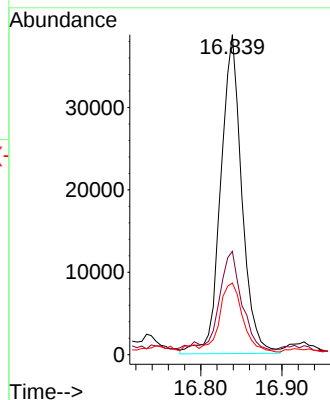
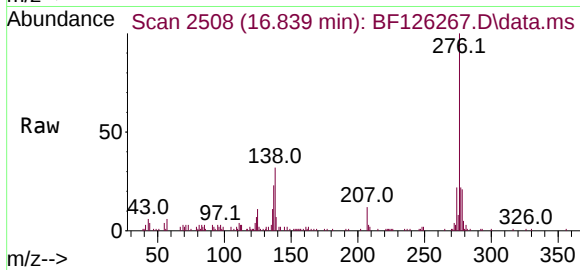




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.863 ng
 RT: 16.839 min Scan# 2118
 Delta R.T. 0.000 min
 Lab File: BF126267.D
 Acq: 18 Dec 2021 21:59

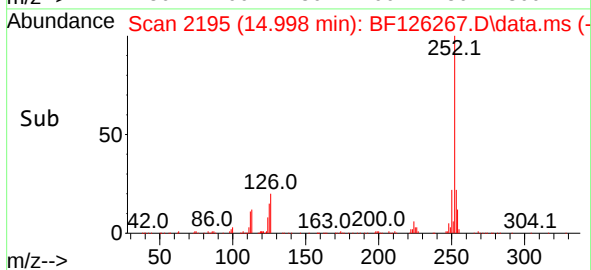
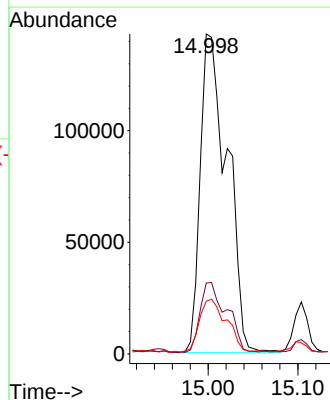
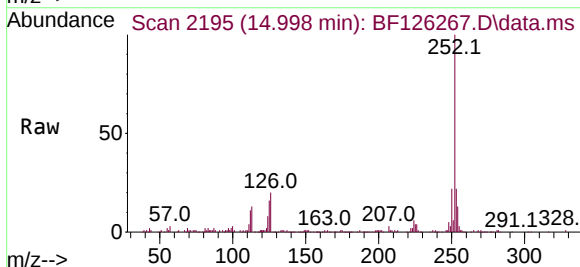
Instrument :
 BNA_F
 ClientSampleId :

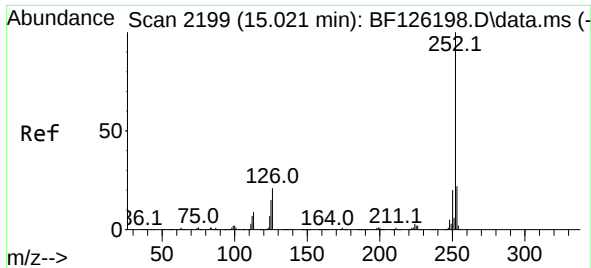
Tgt Ion:276 Resp: 70118
 Ion Ratio Lower Upper
 276 100
 138 32.6 24.1 36.1
 277 25.1 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 13.527 ng
 RT: 14.998 min Scan# 2195
 Delta R.T. 0.006 min
 Lab File: BF126267.D
 Acq: 18 Dec 2021 21:59

Tgt Ion:252 Resp: 298443
 Ion Ratio Lower Upper
 252 100
 253 22.2 16.8 25.2
 125 16.5 9.8 14.8#

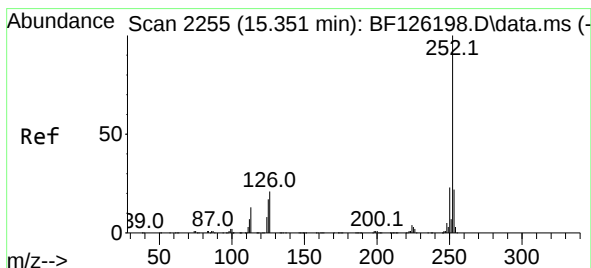
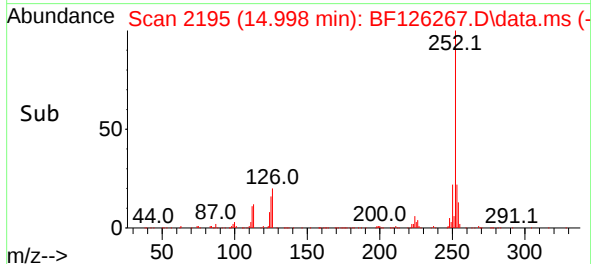
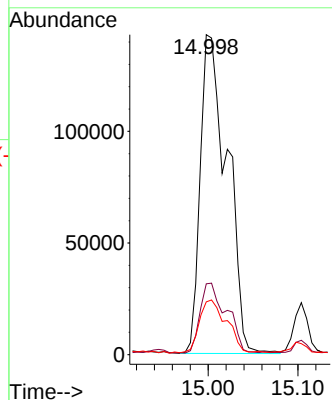
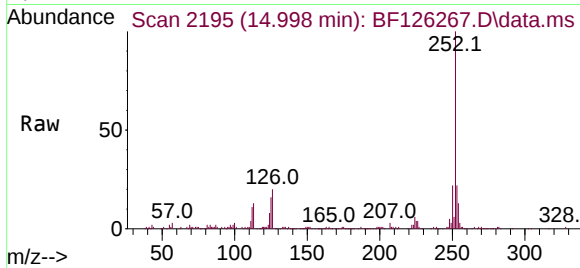




#89
Benzo(k)fluoranthene
Concen: 14.140 ng
RT: 14.998 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

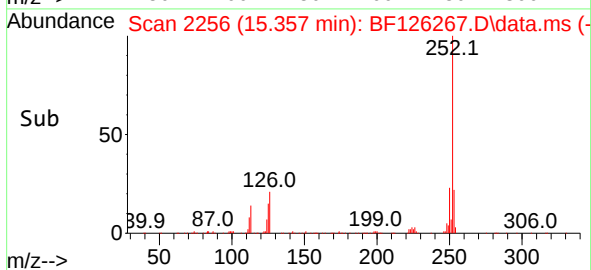
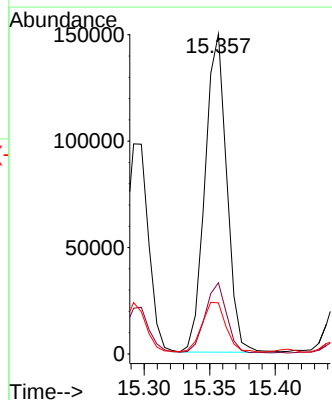
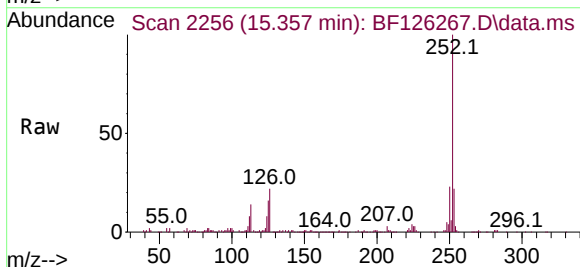
Instrument :
BNA_F
ClientSampleId :

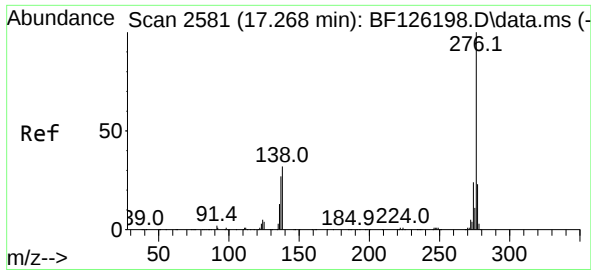
Tgt Ion:252 Resp: 298443
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 16.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 9.416 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

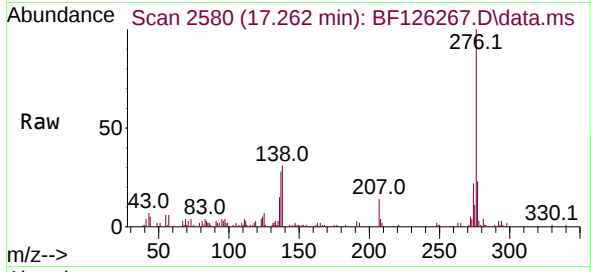
Tgt Ion:252 Resp: 172663
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 16.0 9.9 14.9#





#92
 Benzo(g,h,i)perylene
 Concen: 3.185 ng
 RT: 17.262 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF126267.D
 Acq: 18 Dec 2021 21:59

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	65615
Ion Ratio	Lower	Upper	
276	100		
277	23.1	22.0	33.0
138	30.9	22.2	33.4

