

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
 Data File : BF126320.D
 Acq On : 22 Dec 2021 3:31
 Operator : JU/CG
 Sample : M5178-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 05:25:00 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)

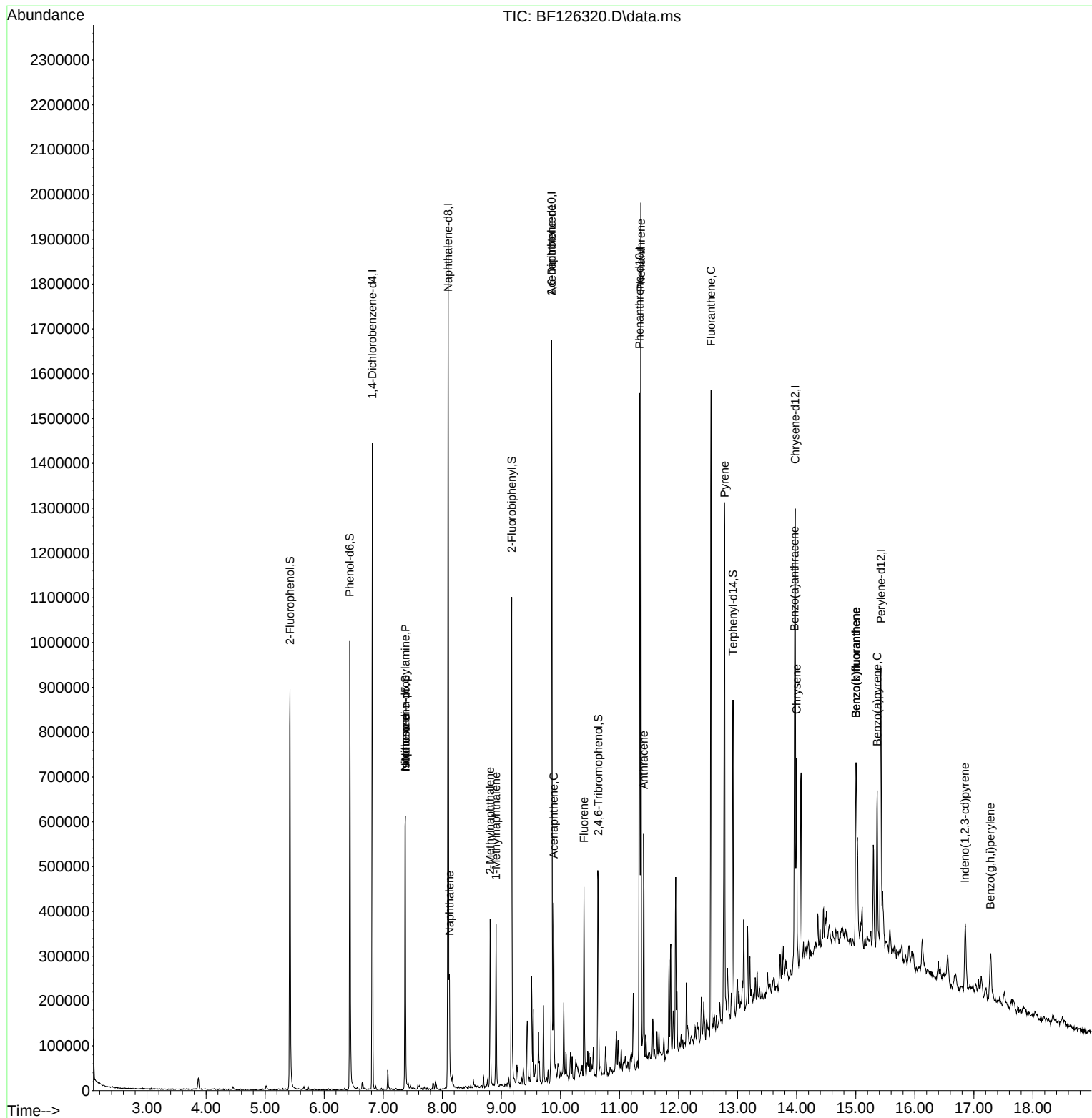
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	197012	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	831293	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	376925	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	538247	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	284156	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	293692	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	284256	21.248	ng	0.00
7) Phenol-d6	6.434	99	358854	21.126	ng	-0.01
23) Nitrobenzene-d5	7.375	82	222361	14.487	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	53771	17.751	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	342306	15.928	ng	0.00
79) Terphenyl-d14	12.921	244	217920	13.330	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	27505	2.638	ng	# 52
25) Isophorone	7.375	82	212543	7.333	ng	# 59
31) Naphthalene	8.122	128	96635	2.486	ng	97
37) 2-Methylnaphthalene	8.810	142	105778	4.418	ng	95
38) 1-Methylnaphthalene	8.910	142	96827	4.167	ng	95
51) 2,6-Dinitrotoluene	9.851	165	49045	9.490	ng	# 28
52) Acenaphthene	9.886	154	85833	4.131	ng	99
58) Fluorene	10.398	166	116368	5.682	ng	99
71) Phenanthrene	11.363	178	654321	23.553	ng	99
72) Anthracene	11.410	178	186402	6.685	ng	99
75) Fluoranthene	12.551	202	545689	21.802	ng	93
78) Pyrene	12.780	202	491585	18.830	ng	98
81) Benzo(a)anthracene	13.962	228	192921	11.462	ng	96
83) Chrysene	13.998	228	165406	9.458	ng	95
87) Indeno(1,2,3-cd)pyrene	16.850	276	93712	4.784	ng	96
88) Benzo(b)fluoranthene	15.004	252	297261	16.845	ng	# 94
89) Benzo(k)fluoranthene	15.004	252	297261	17.609	ng	# 93
90) Benzo(a)pyrene	15.362	252	166249	11.335	ng	# 94
92) Benzo(g,h,i)perylene	17.280	276	86779	5.267	ng	96

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

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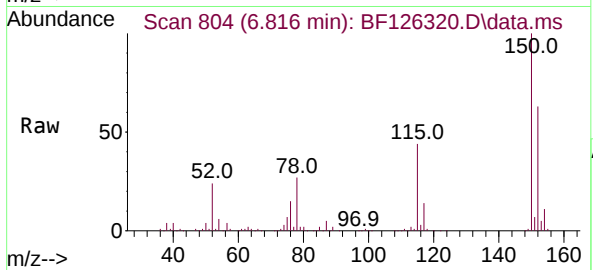
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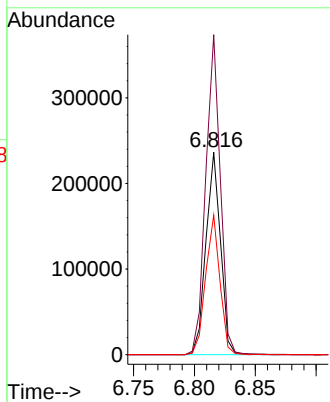
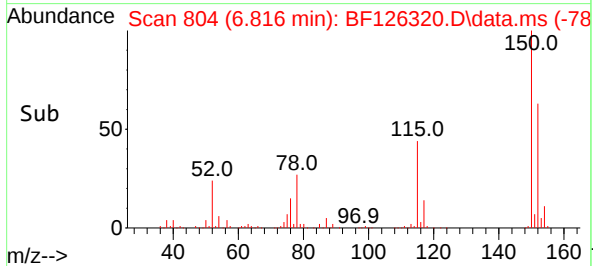


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

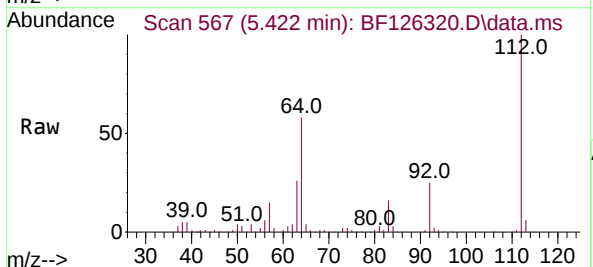
Instrument :
BNA_F
ClientSampleId :



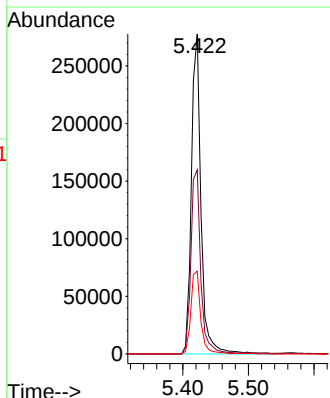
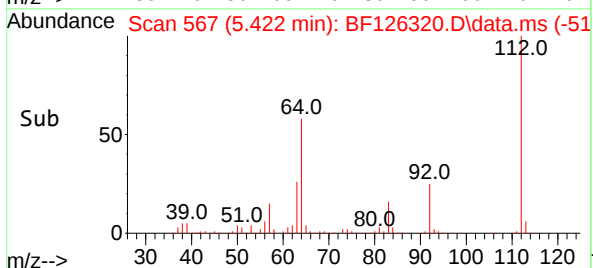
Tgt Ion:152 Resp: 197012
Ion Ratio Lower Upper
152 100
150 158.1 117.6 176.4
115 68.9 47.1 70.7

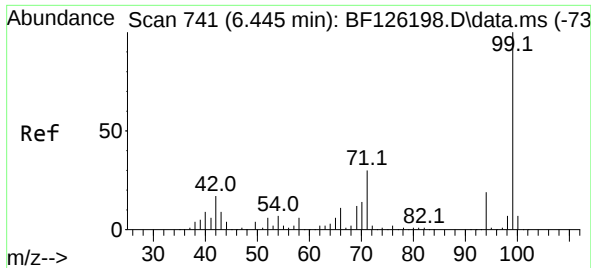


#5
2-Fluorophenol
Concen: 21.248 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31



Tgt Ion:112 Resp: 284256
Ion Ratio Lower Upper
112 100
64 57.5 44.2 66.2
63 25.8 26.2 39.2#

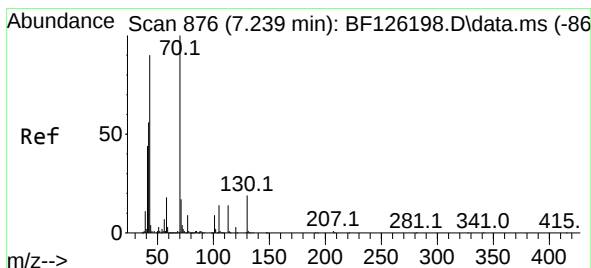
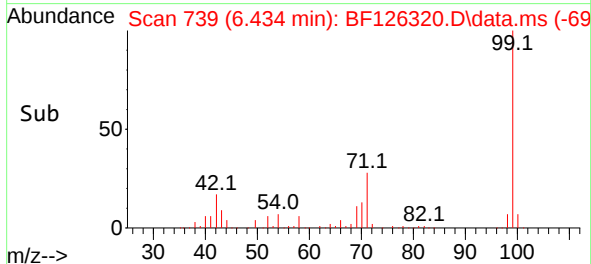
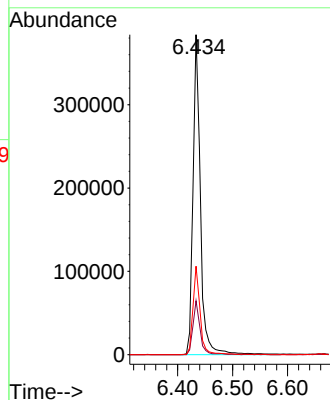
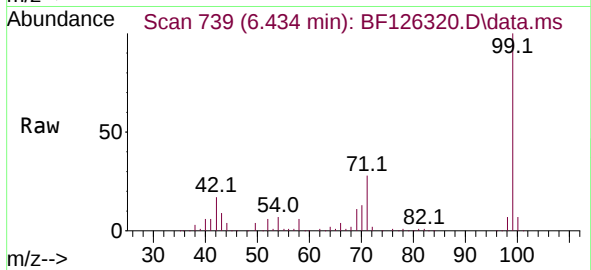




#7
Phenol-d6
Concen: 21.126 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

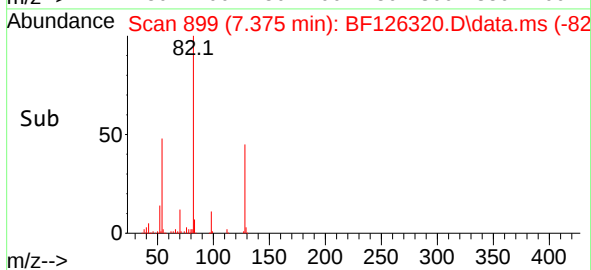
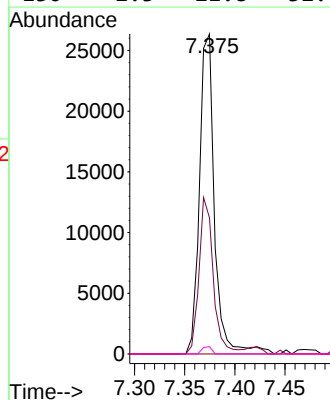
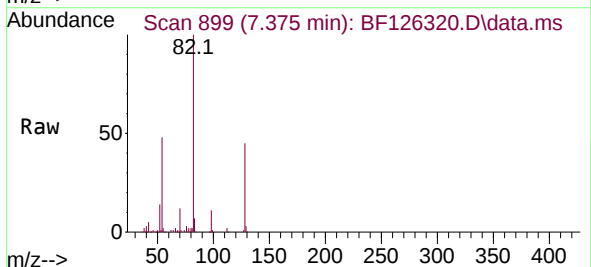
Instrument :
BNA_F
ClientSampleId :

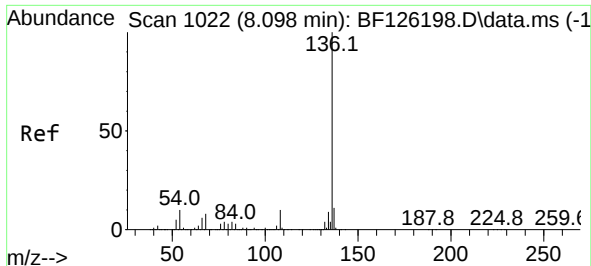
Tgt Ion: 99 Resp: 358854
Ion Ratio Lower Upper
99 100
42 16.8 23.5 35.3#
71 27.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.638 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

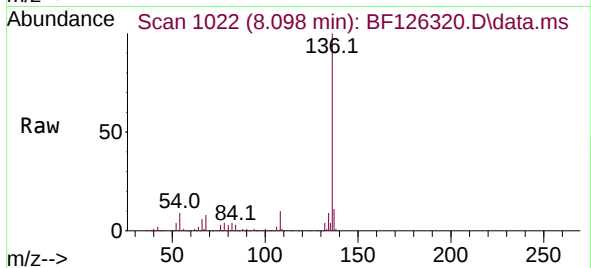
Tgt Ion: 70 Resp: 27505
Ion Ratio Lower Upper
70 100
42 42.5 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#



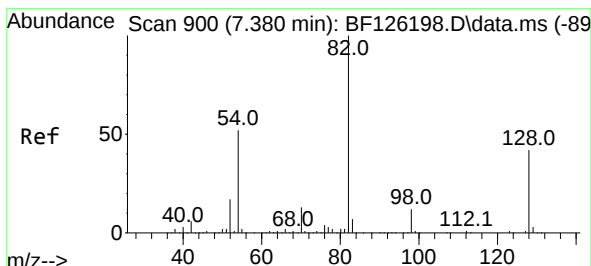
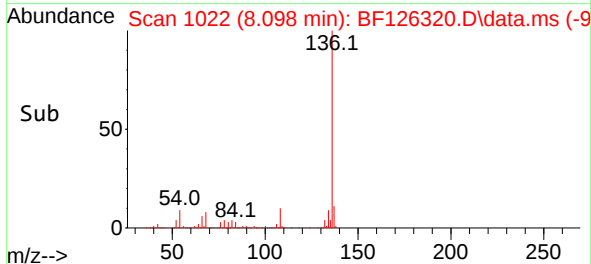
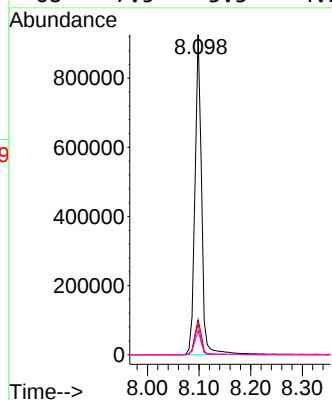


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :
BNA_F
ClientSampleId :

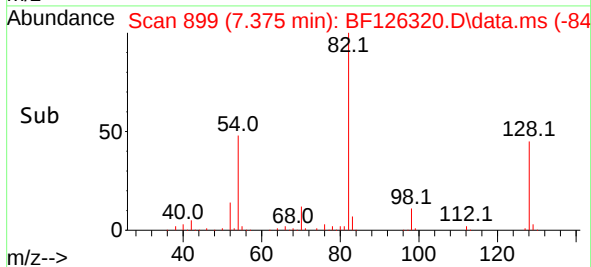
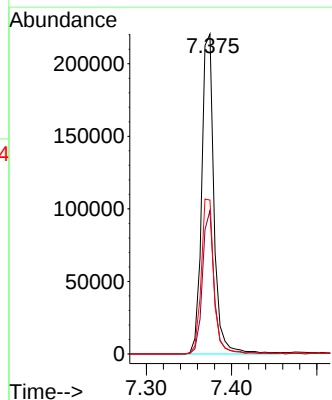
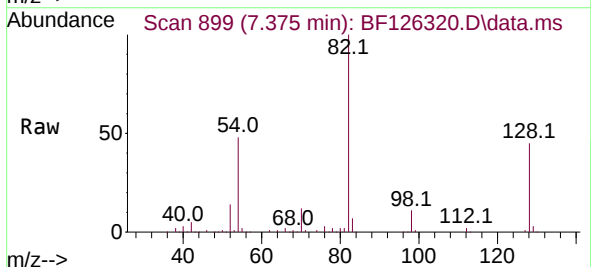


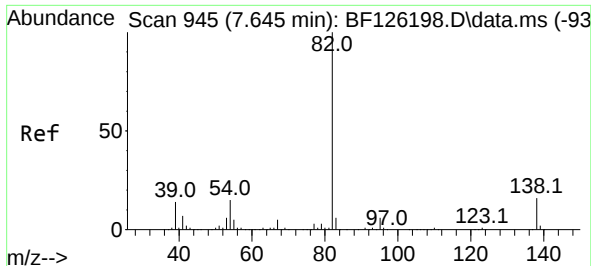
Tgt Ion:136 Resp: 831293
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 9.5 6.4 9.6
68 7.5 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 14.487 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Tgt Ion: 82 Resp: 222361
Ion Ratio Lower Upper
82 100
128 44.8 40.6 60.8
54 48.1 49.6 74.4#

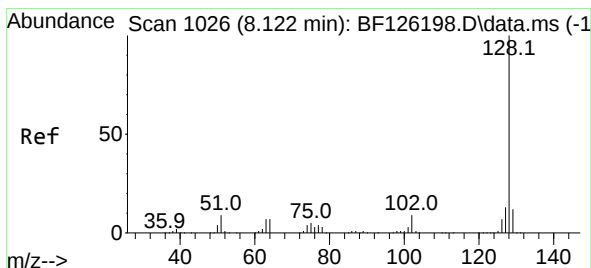
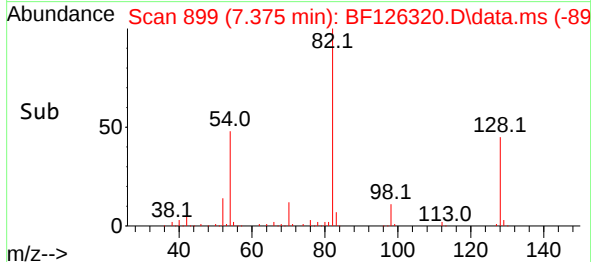
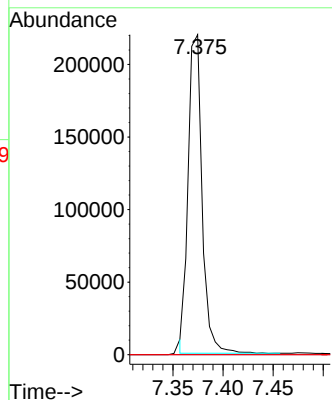
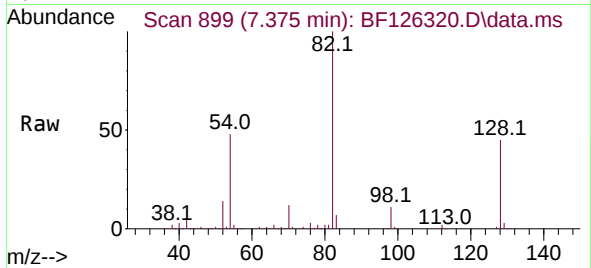




#25
Isophorone
Concen: 7.333 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

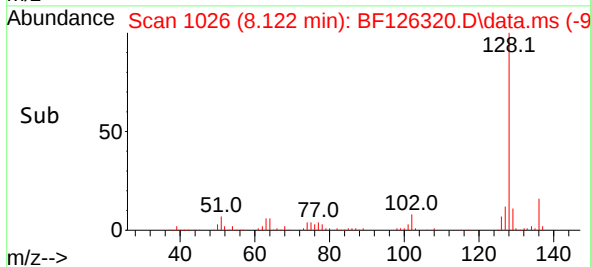
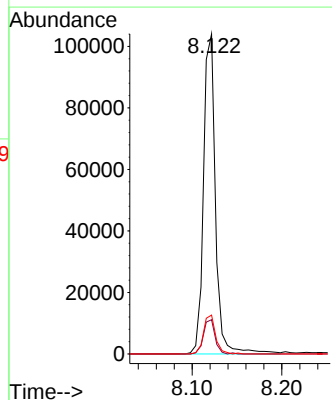
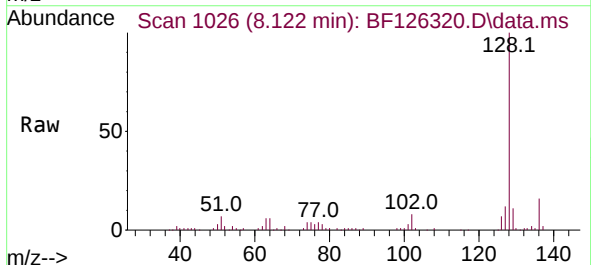
Instrument :
BNA_F
ClientSampleId :

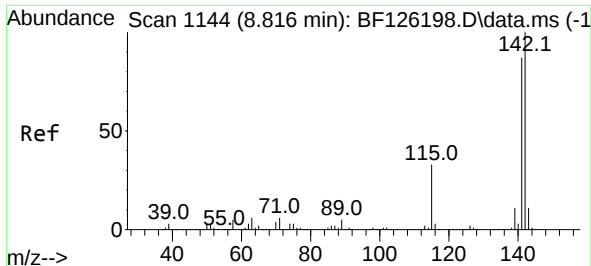
Tgt Ion: 82 Resp: 212543
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 2.486 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Tgt Ion: 128 Resp: 96635
Ion Ratio Lower Upper
128 100
129 10.7 9.4 14.0
127 12.1 10.9 16.3





#37

2-Methylnaphthalene

Concen: 4.418 ng

RT: 8.810 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF126320.D

Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

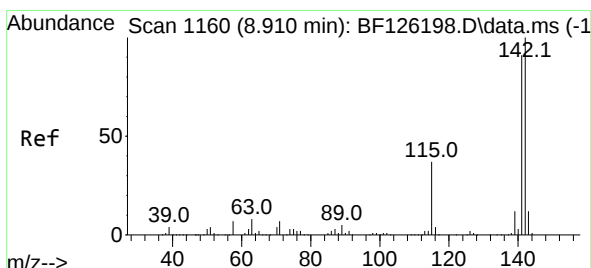
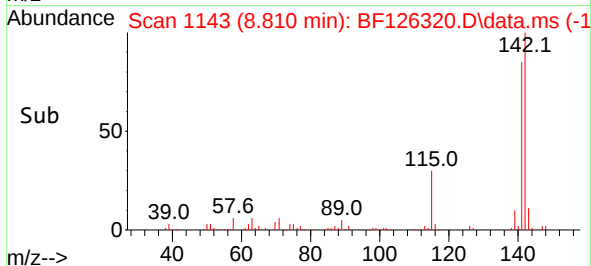
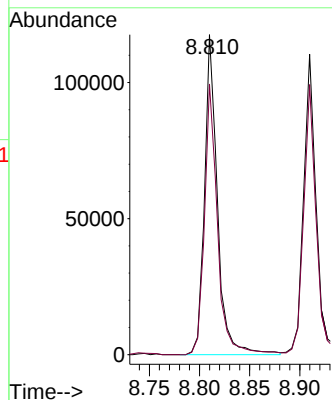
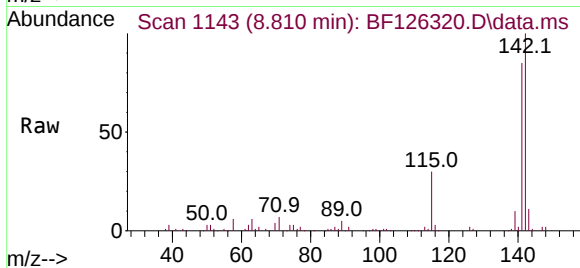
ClientSampleId :

Tgt Ion:142 Resp: 105778

Ion Ratio Lower Upper

142 100

141 84.6 71.2 106.8



#38

1-Methylnaphthalene

Concen: 4.167 ng

RT: 8.910 min Scan# 1160

Delta R.T. 0.000 min

Lab File: BF126320.D

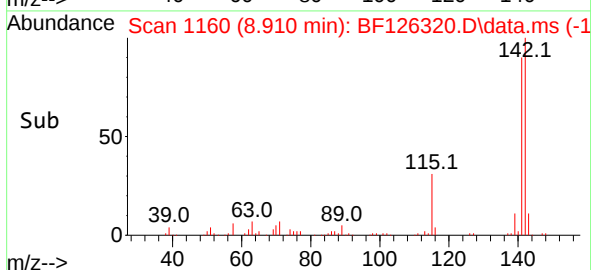
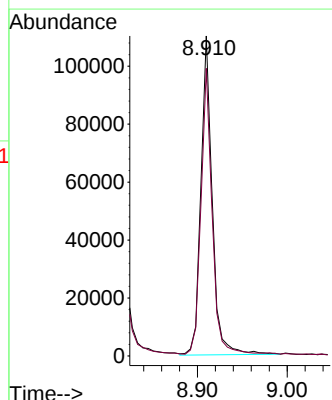
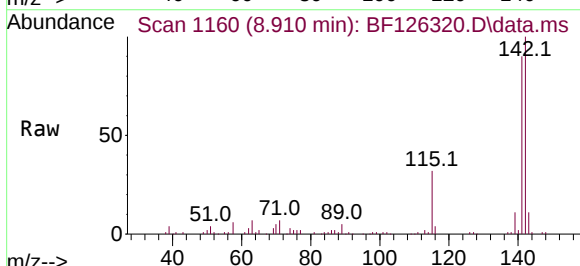
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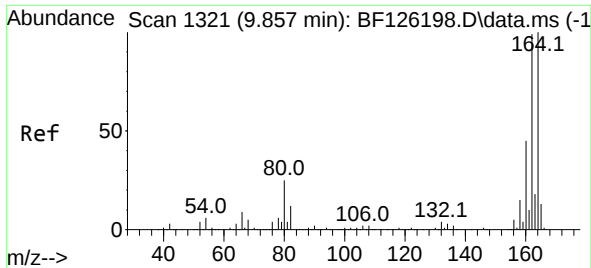
Tgt Ion:142 Resp: 96827

Ion Ratio Lower Upper

142 100

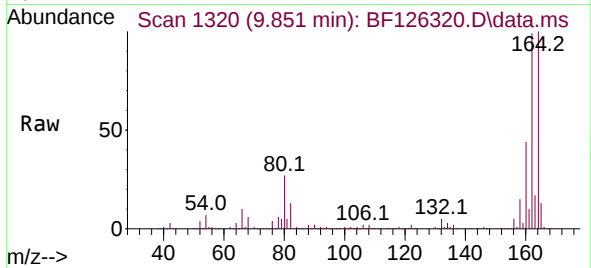
141 89.8 76.0 114.0



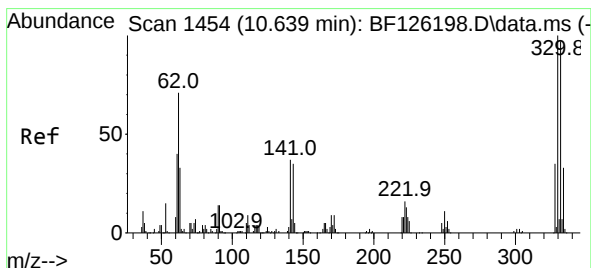
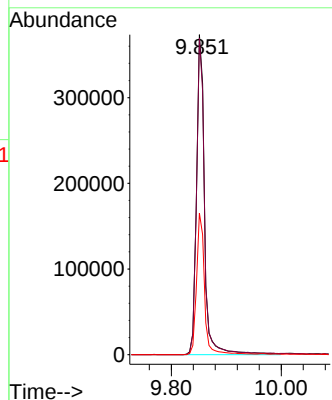
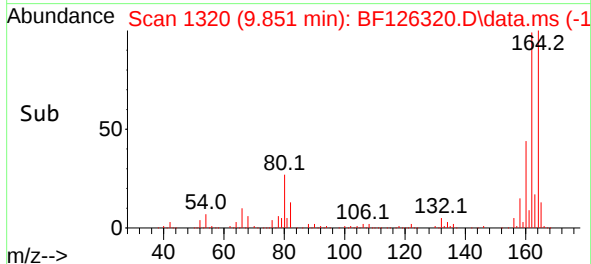


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

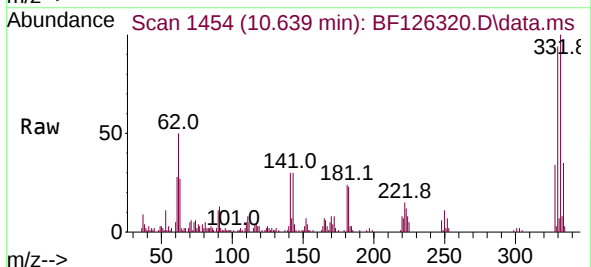
Instrument :
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ClientSampleId :



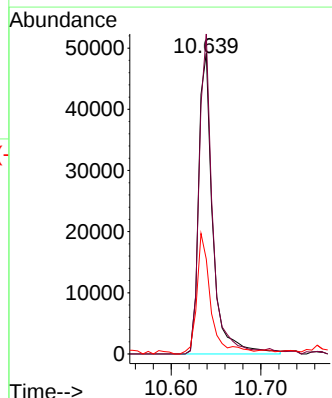
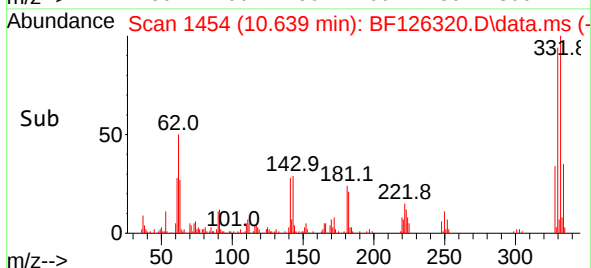
Tgt Ion:164 Resp: 376925
Ion Ratio Lower Upper
164 100
162 98.9 81.3 121.9
160 44.3 38.0 57.0

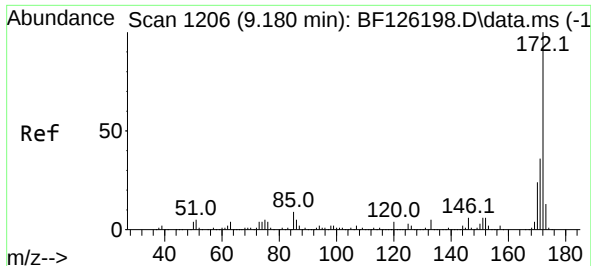


#42
2,4,6-Tribromophenol
Concen: 17.751 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31



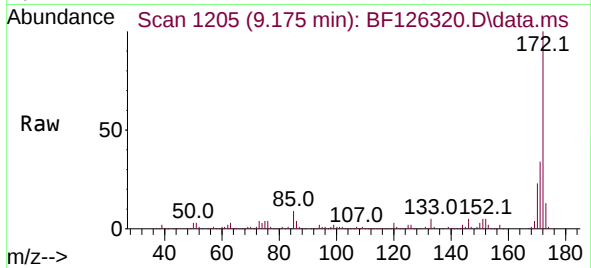
Tgt Ion:330 Resp: 53771
Ion Ratio Lower Upper
330 100
332 99.4 76.2 114.4
141 39.6 44.6 66.8#



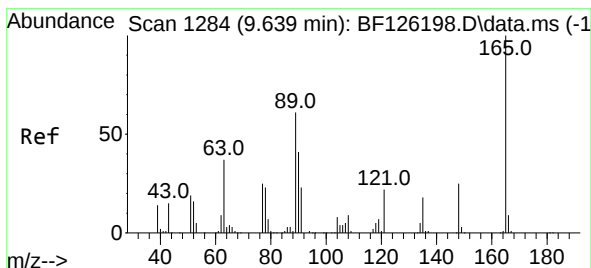
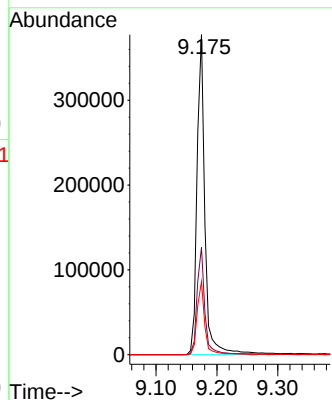
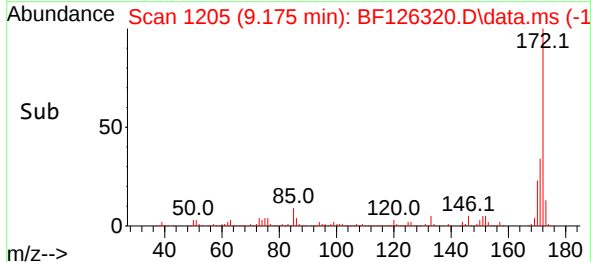


#45
2-Fluorobiphenyl
Concen: 15.928 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

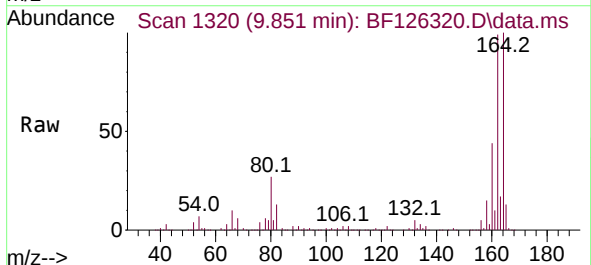
Instrument :
BNA_F
ClientSampleId :



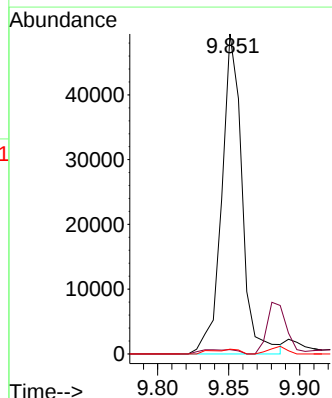
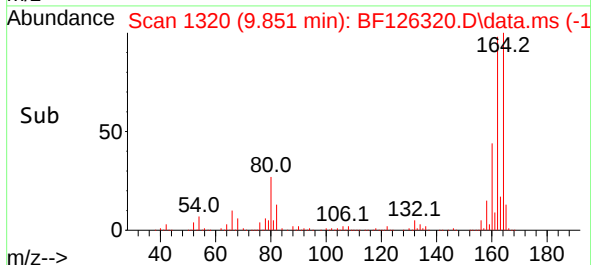
Tgt Ion:172 Resp: 342306
Ion Ratio Lower Upper
172 100
171 33.6 26.5 39.7
170 22.9 18.8 28.2

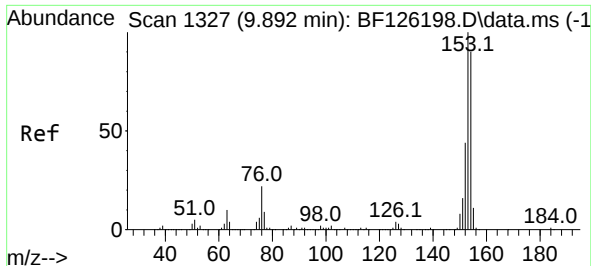


#51
2,6-Dinitrotoluene
Concen: 9.490 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31



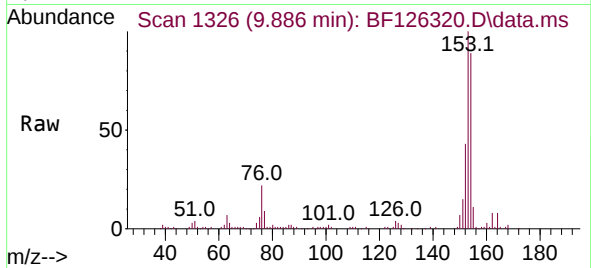
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Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.5 40.6 60.8#



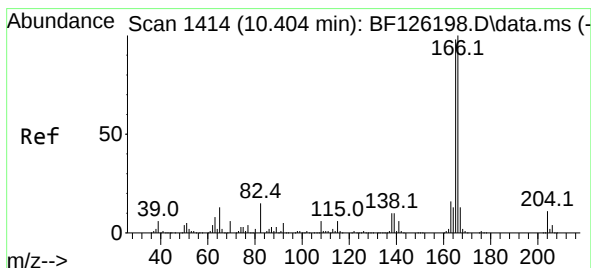
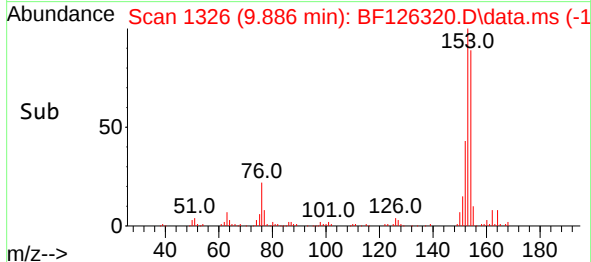
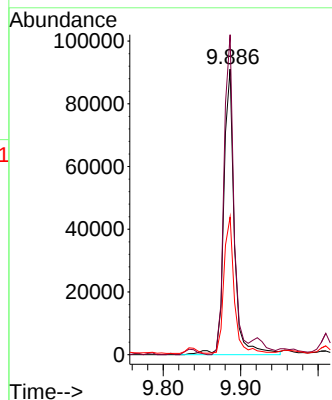


#52
Acenaphthene
Concen: 4.131 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :
BNA_F
ClientSampleId :

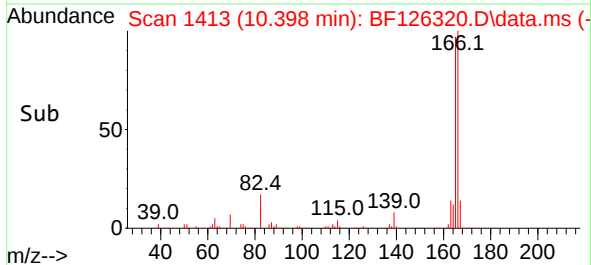
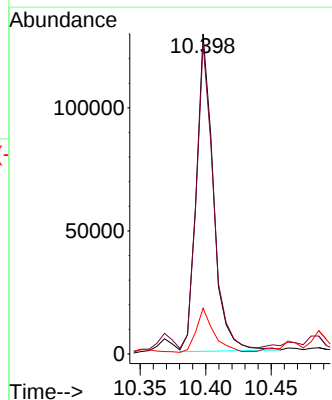
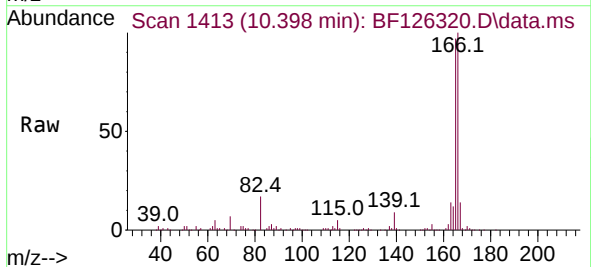


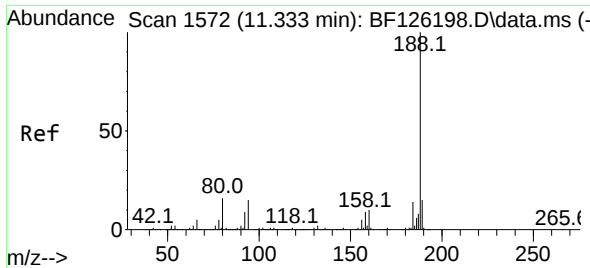
Tgt Ion:154 Resp: 85833
Ion Ratio Lower Upper
154 100
153 112.1 89.4 134.2
152 48.3 40.5 60.7



#58
Fluorene
Concen: 5.682 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

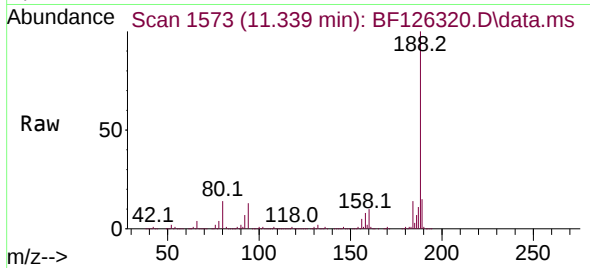
Tgt Ion:166 Resp: 116368
Ion Ratio Lower Upper
166 100
165 97.1 78.1 117.1
167 14.3 11.1 16.7



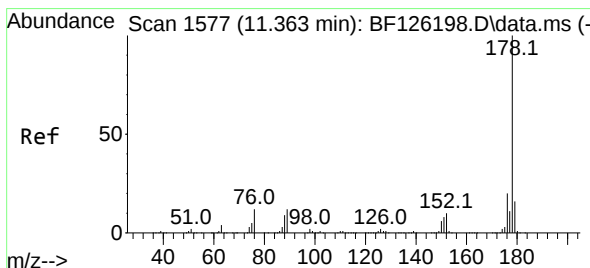
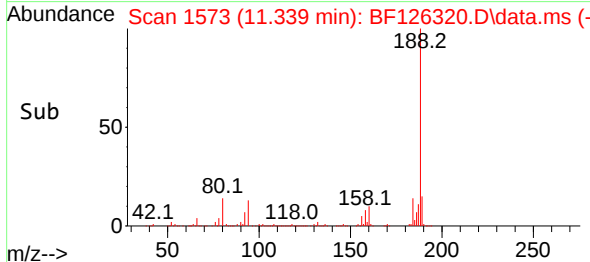
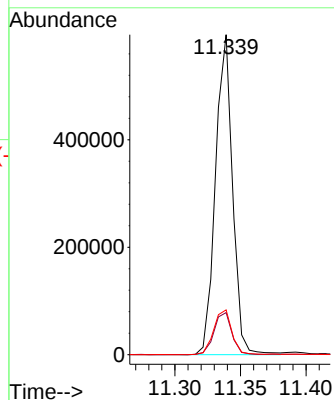


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :
BNA_F
ClientSampleId :

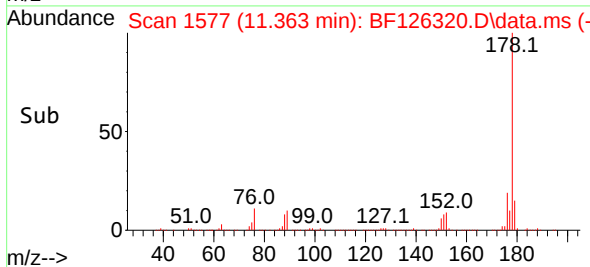
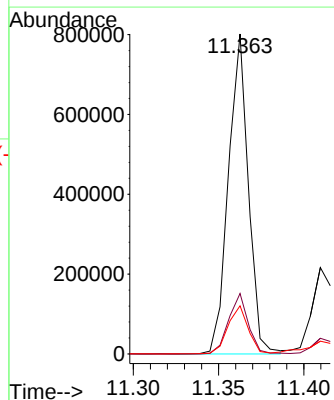
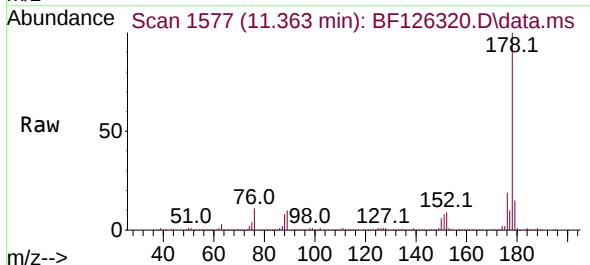


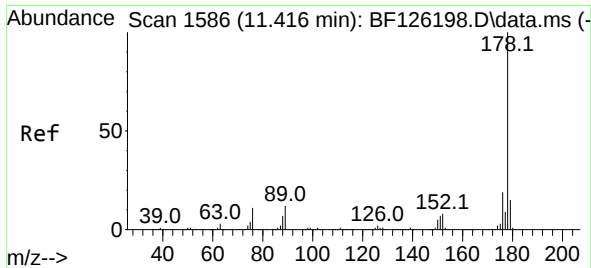
Tgt Ion:188 Resp: 538247
Ion Ratio Lower Upper
188 100
94 13.2 6.7 10.1#
80 14.0 7.5 11.3#



#71
Phenanthrene
Concen: 23.553 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Tgt Ion:178 Resp: 654321
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.0 11.5 17.3

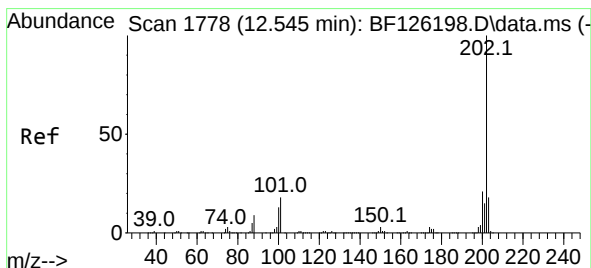
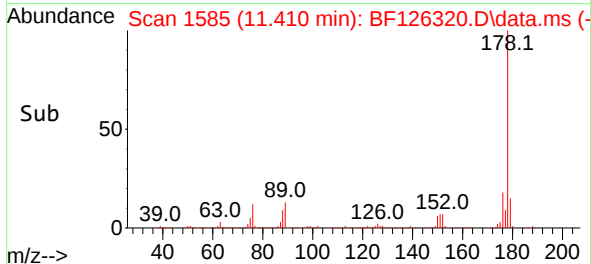
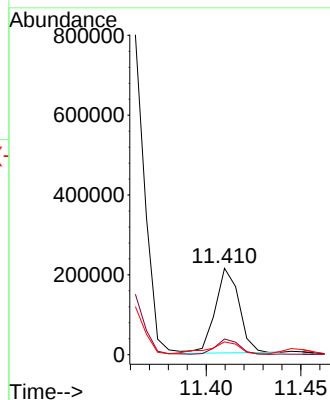
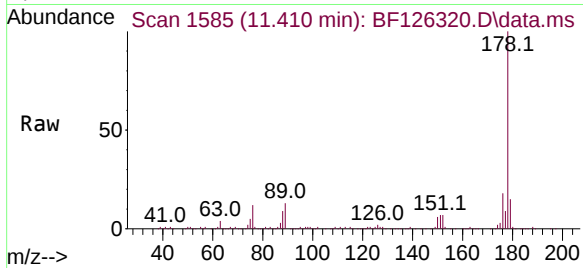




#72
 Anthracene
 Concen: 6.685 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126320.D
 Acq: 22 Dec 2021 3:31

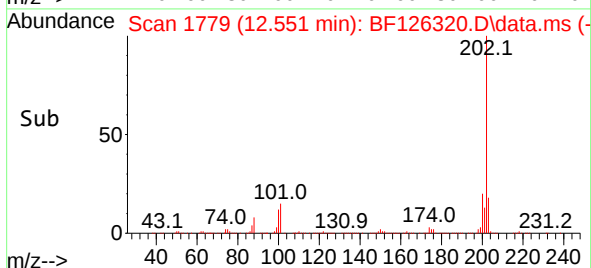
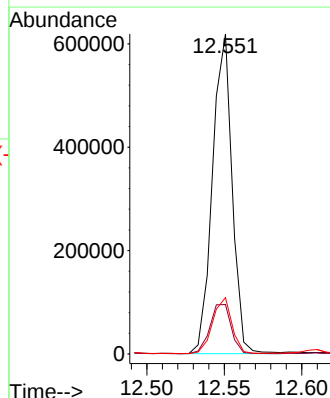
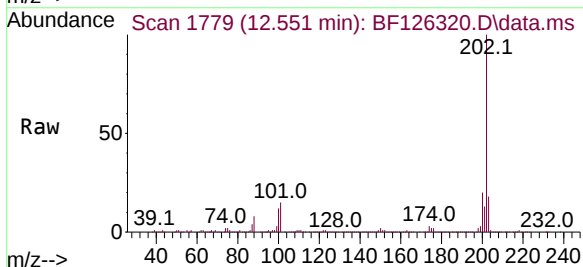
Instrument :
 BNA_F
 ClientSampleId :

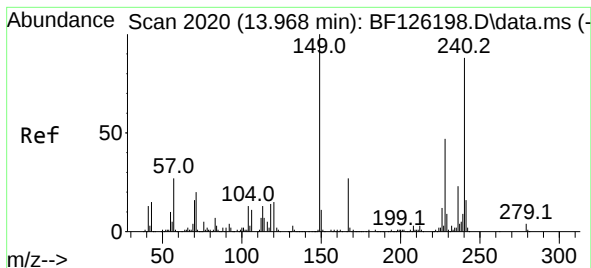
Tgt Ion:178 Resp: 186402
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.3 21.5
 179 14.8 12.2 18.4



#75
 Fluoranthene
 Concen: 21.802 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. 0.006 min
 Lab File: BF126320.D
 Acq: 22 Dec 2021 3:31

Tgt Ion:202 Resp: 545689
 Ion Ratio Lower Upper
 202 100
 101 15.5 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: BF126320.D

Acq: 22 Dec 2021 3:31

Instrument :

BNA_F

ClientSampleId :

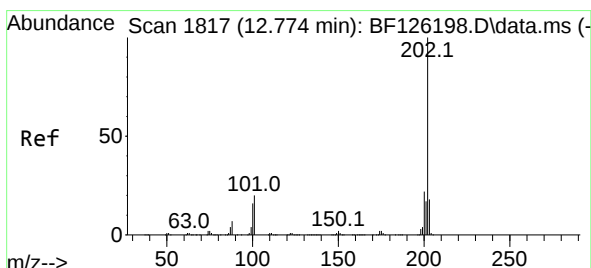
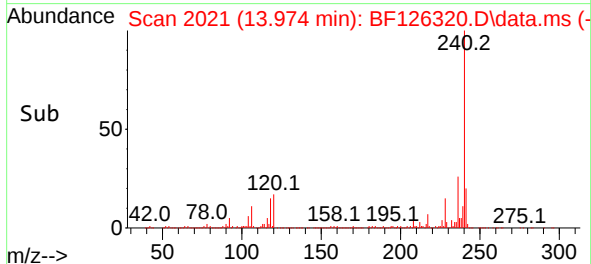
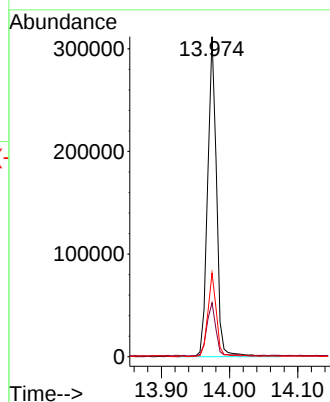
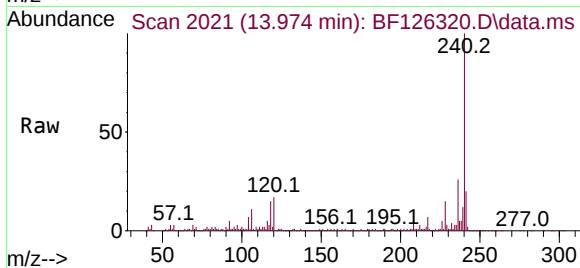
Tgt Ion:240 Resp: 284156

Ion Ratio Lower Upper

240 100

120 16.9 10.8 16.2#

236 26.1 21.6 32.4



#78

Pyrene

Concen: 18.830 ng

RT: 12.780 min Scan# 1818

Delta R.T. 0.006 min

Lab File: BF126320.D

Acq: 22 Dec 2021 3:31

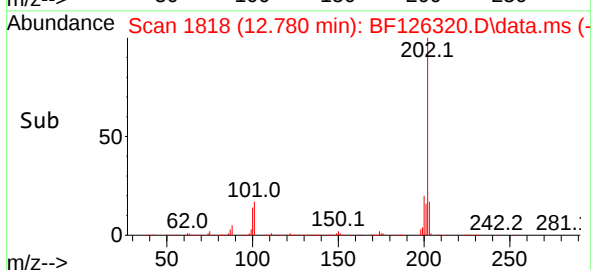
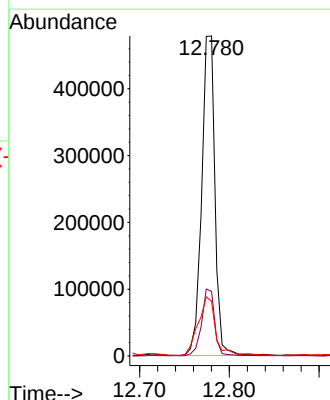
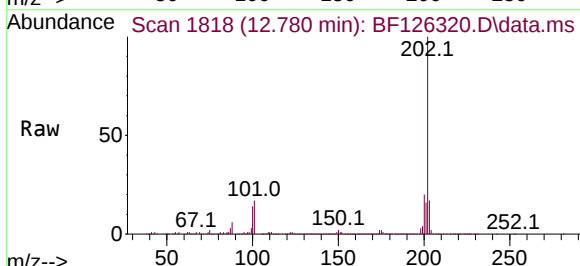
Tgt Ion:202 Resp: 491585

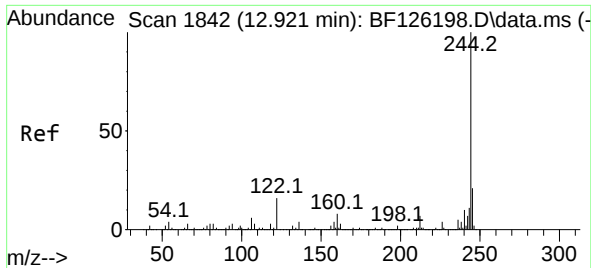
Ion Ratio Lower Upper

202 100

200 20.2 15.3 22.9

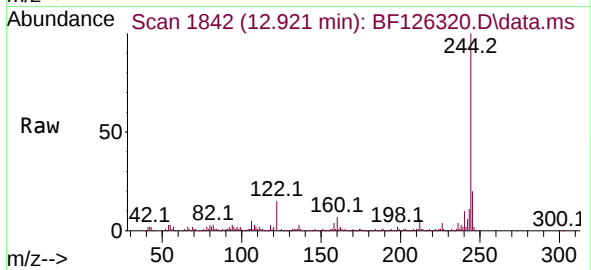
203 17.1 13.4 20.0



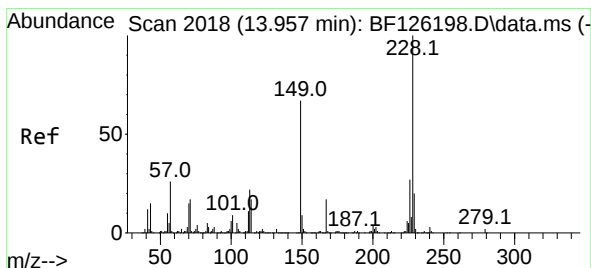
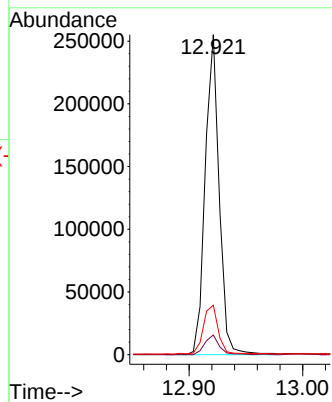
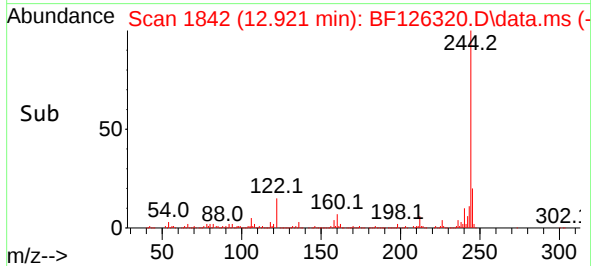


#79
 Terphenyl-d14
 Concen: 13.330 ng
 RT: 12.921 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF126320.D
 Acq: 22 Dec 2021 3:31

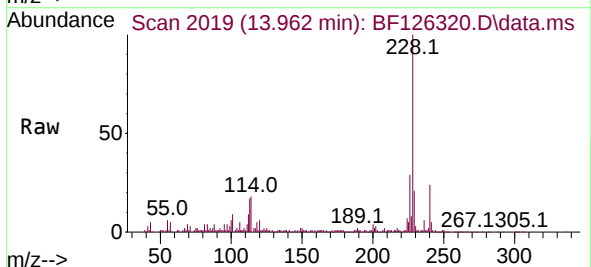
Instrument :
 BNA_F
 ClientSampleId :



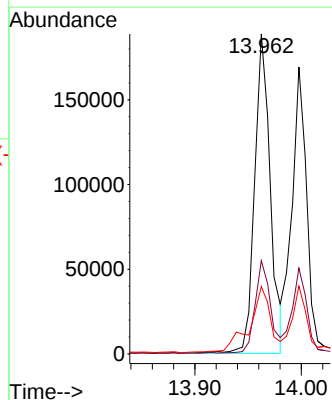
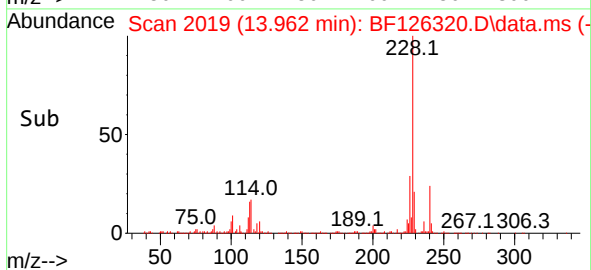
Tgt Ion:244 Resp: 217920
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.9 8.9
 122 15.4 9.0 13.4#

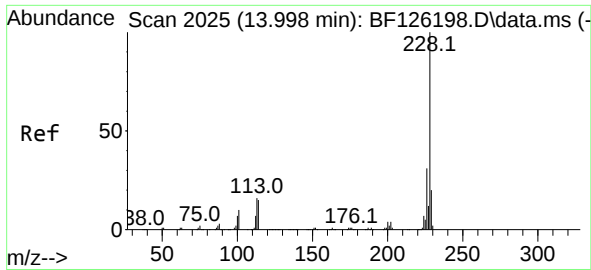


#81
 Benzo(a)anthracene
 Concen: 11.462 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF126320.D
 Acq: 22 Dec 2021 3:31



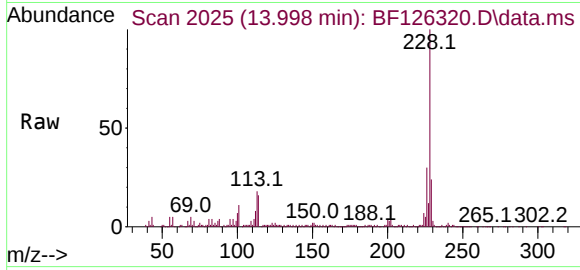
Tgt Ion:228 Resp: 192921
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.6 32.4
 229 21.0 15.6 23.4



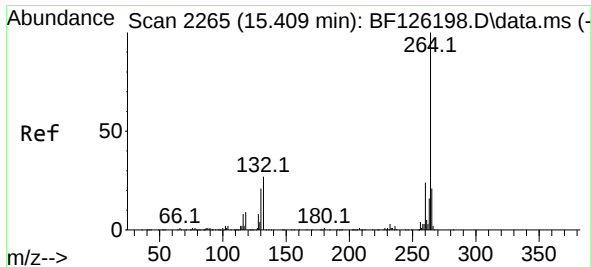
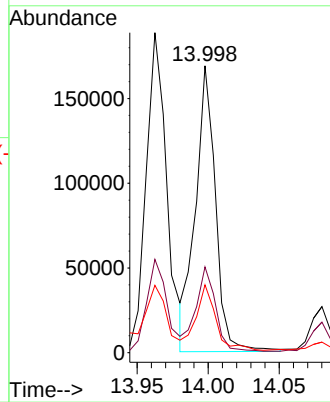
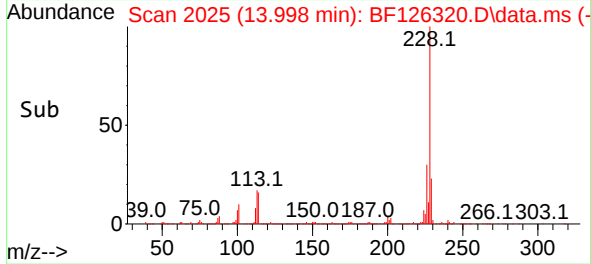


#83
Chrysene
Concen: 9.458 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :
BNA_F
ClientSampleId :

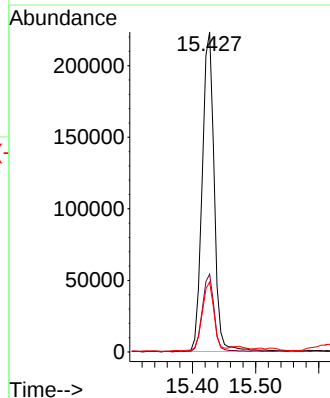
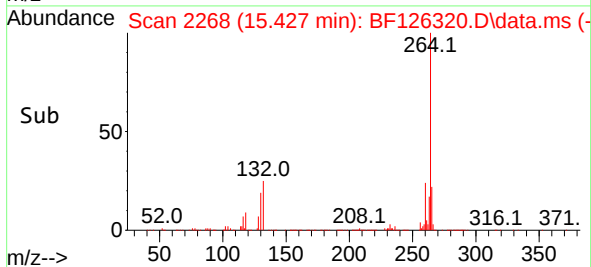
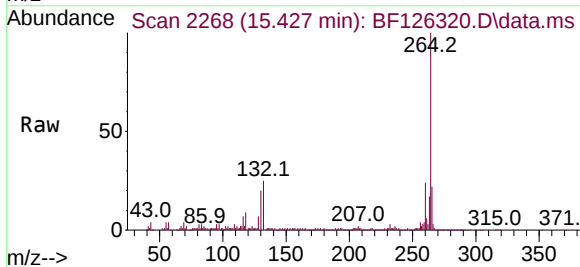


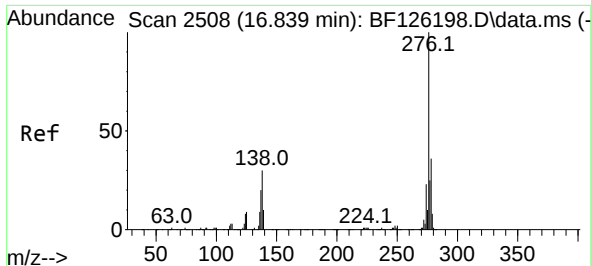
Tgt Ion:228 Resp: 165406
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 23.6 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.018 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Tgt Ion:264 Resp: 293692
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 21.8 17.2 25.8

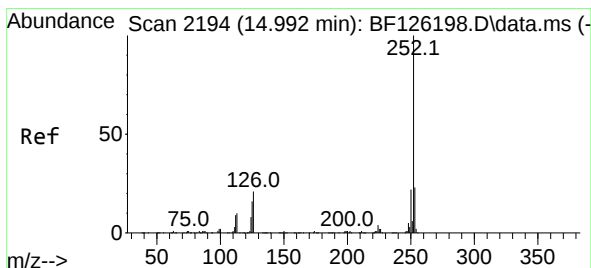
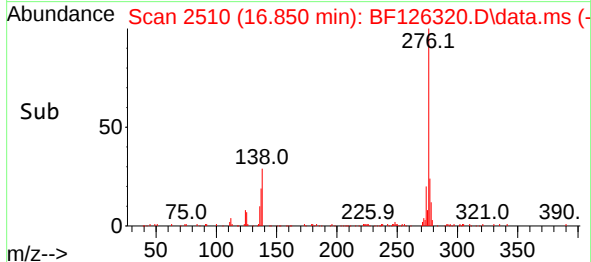
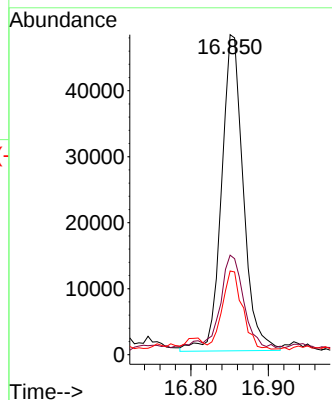
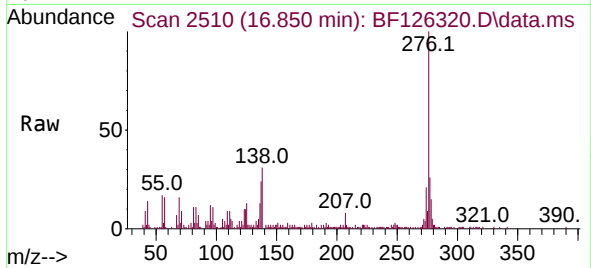




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.784 ng
 RT: 16.850 min Scan# 2196
 Delta R.T. 0.012 min
 Lab File: BF126320.D
 Acq: 22 Dec 2021 3:31

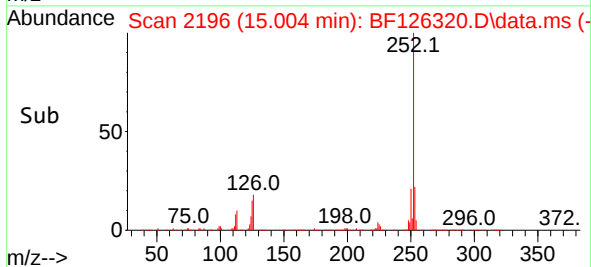
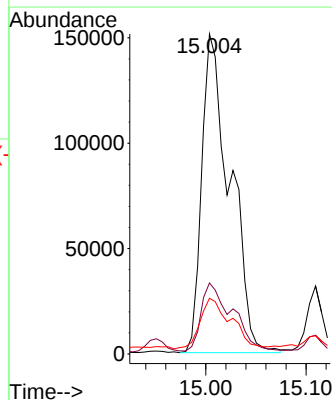
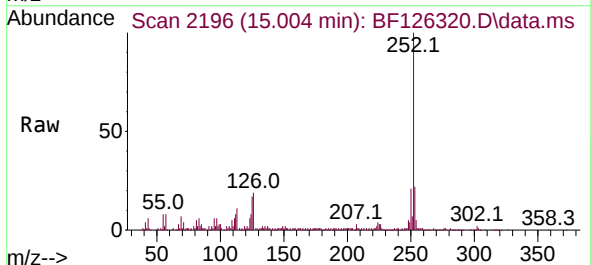
Instrument :
 BNA_F
 ClientSampleId :

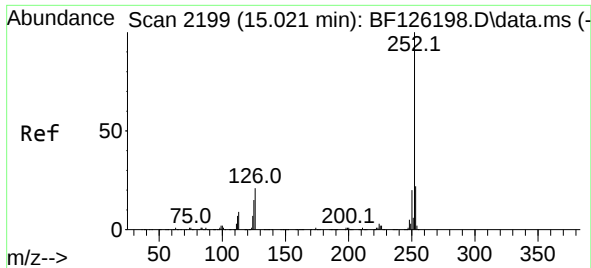
Tgt Ion:276 Resp: 93712
 Ion Ratio Lower Upper
 276 100
 138 33.6 24.1 36.1
 277 22.7 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 16.845 ng
 RT: 15.004 min Scan# 2196
 Delta R.T. 0.012 min
 Lab File: BF126320.D
 Acq: 22 Dec 2021 3:31

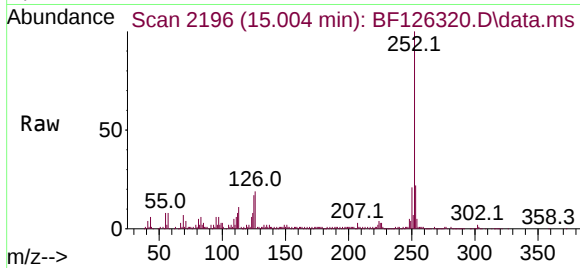
Tgt Ion:252 Resp: 297261
 Ion Ratio Lower Upper
 252 100
 253 22.2 16.8 25.2
 125 17.4 9.8 14.8#



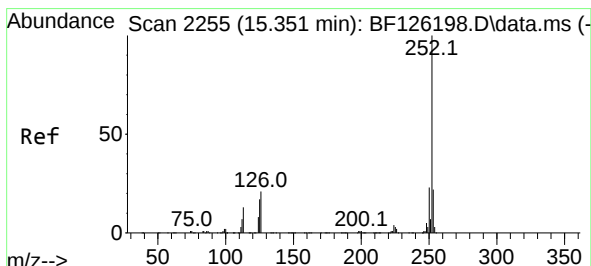
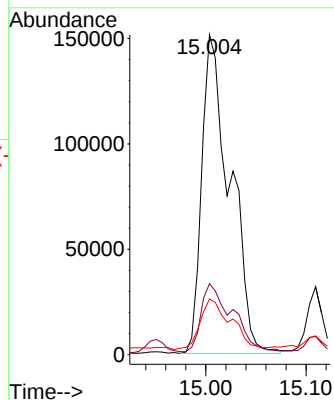
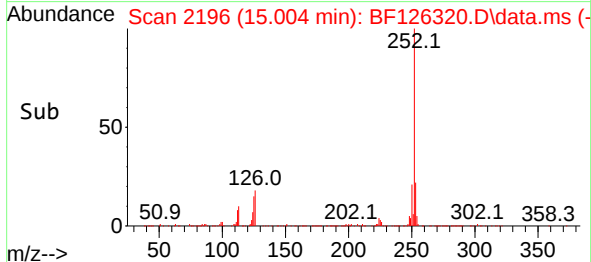


#89
Benzo(k)fluoranthene
Concen: 17.609 ng
RT: 15.004 min Scan# 2199
Delta R.T. -0.018 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

Instrument :
BNA_F
ClientSampleId :

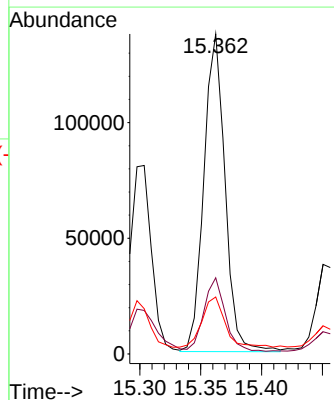
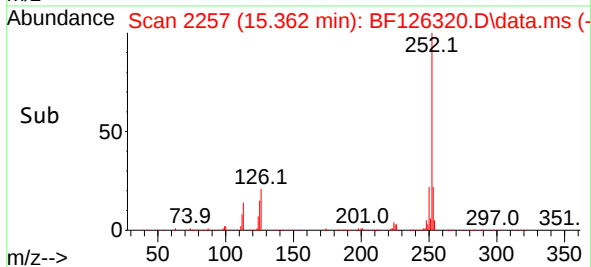
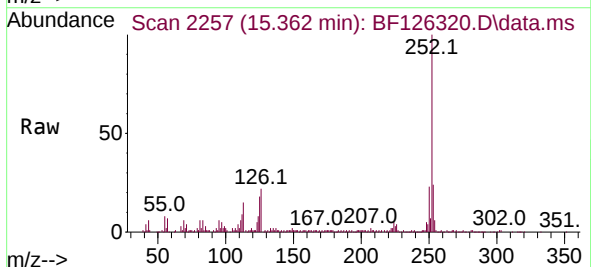


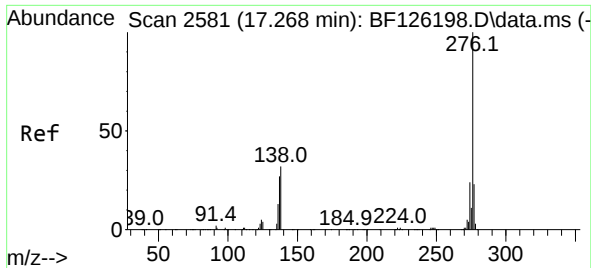
Tgt Ion:252 Resp: 297261
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 17.4 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 11.335 ng
RT: 15.362 min Scan# 2257
Delta R.T. 0.012 min
Lab File: BF126320.D
Acq: 22 Dec 2021 3:31

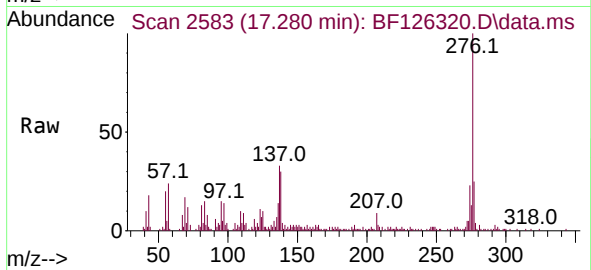
Tgt Ion:252 Resp: 166249
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 17.8 9.9 14.9#





#92
 Benzo(g,h,i)perylene
 Concen: 5.267 ng
 RT: 17.280 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF126320.D
 Acq: 22 Dec 2021 3:31

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	86779
Ion Ratio	Lower	Upper	
276	100		
277	25.3	22.0	33.0
138	30.2	22.2	33.4

