

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126241.D
 Acq On : 17 Dec 2021 18:25
 Operator : JU/CG
 Sample : M5083-08DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

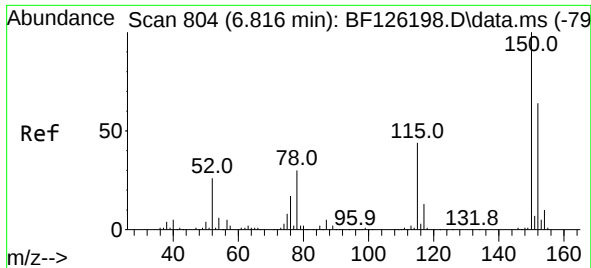
Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 17 18:45:20 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)

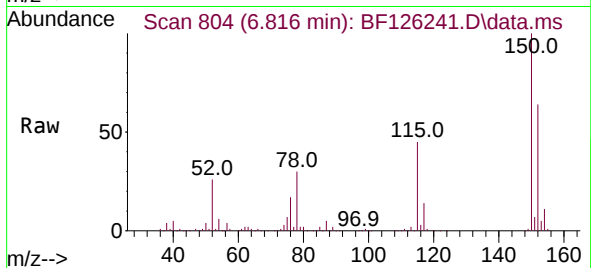
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	219524	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	854037	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	330639	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	448513	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	382921	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	287054	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	793214	53.212	ng	0.00
7) Phenol-d6	6.434	99	966302	51.052	ng	-0.01
23) Nitrobenzene-d5	7.375	82	578837	36.707	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	116372	43.796	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	771108	40.904	ng	0.00
79) Terphenyl-d14	12.921	244	581329	26.387	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	72736	6.260	ng	# 54
25) Isophorone	7.375	82	569499	19.125	ng	# 59
31) Naphthalene	8.122	128	992593	24.852	ng	98
33) 4-Chloroaniline	8.122	127	125691	7.537	ng	# 31
37) 2-Methylnaphthalene	8.810	142	389210	15.824	ng	98
38) 1-Methylnaphthalene	8.910	142	212484	8.902	ng	95
46) 1,1'-Biphenyl	9.275	154	167740	6.861	ng	97
51) 2,6-Dinitrotoluene	9.851	165	53507	11.803	ng	# 28
52) Acenaphthene	9.886	154	487710	26.757	ng	98
55) Dibenzofuran	10.057	168	491279	19.796	ng	97
56) 4-Nitrophenol	10.057	139	180288	43.317	ng	# 11
58) Fluorene	10.398	166	488259	27.177	ng	100
71) Phenanthrene	11.363	178	1374356	59.370	ng	97
72) Anthracene	11.410	178	192355	8.279	ng	99
73) Carbazole	11.563	167	165931	7.583	ng	98
75) Fluoranthene	12.551	202	978737	46.926	ng	91
78) Pyrene	12.780	202	751515	21.362	ng	97
81) Benzo(a)anthracene	13.962	228	270638	11.932	ng	98
83) Chrysene	13.998	228	255975	10.862	ng	97
84) Bis(2-ethylhexyl)phtha...	13.962	149	65370	3.534	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.839	276	59157	3.090	ng	93
88) Benzo(b)fluoranthene	14.998	252	286340	16.602	ng	# 94
89) Benzo(k)fluoranthene	14.998	252	286340	17.354	ng	# 93
90) Benzo(a)pyrene	15.356	252	123087	8.586	ng	# 96
92) Benzo(g,h,i)perylene	17.268	276	55926	3.473	ng	# 91

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

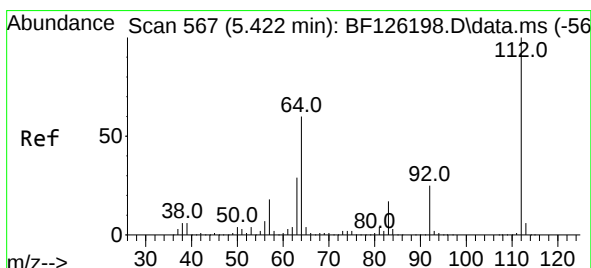
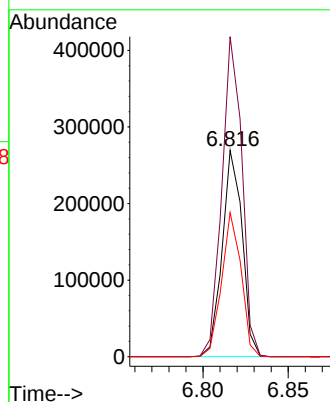
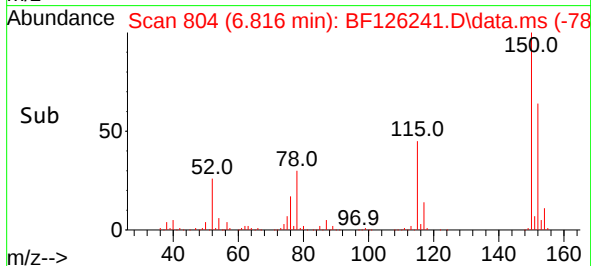


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

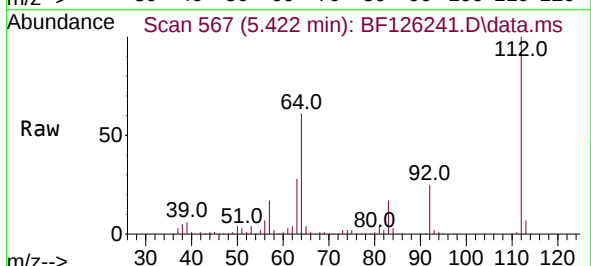
Instrument :
BNA_M
ClientSampleId :



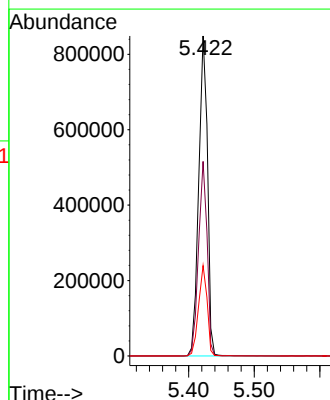
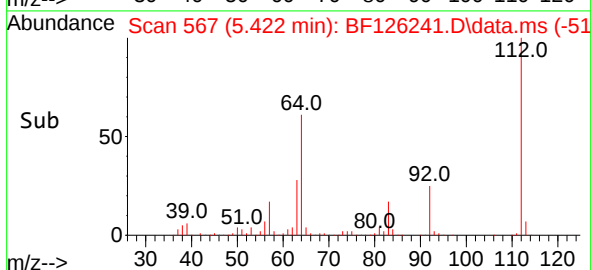
Tgt Ion:152 Resp: 219524
Ion Ratio Lower Upper
152 100
150 155.2 117.6 176.4
115 69.9 47.1 70.7

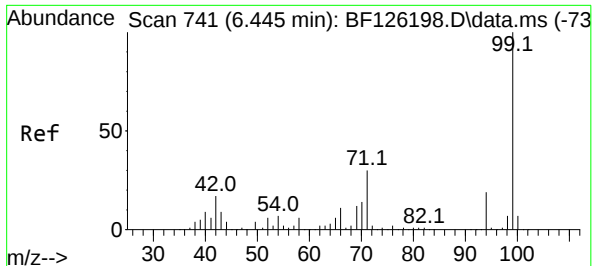


#5
2-Fluorophenol
Concen: 53.212 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25



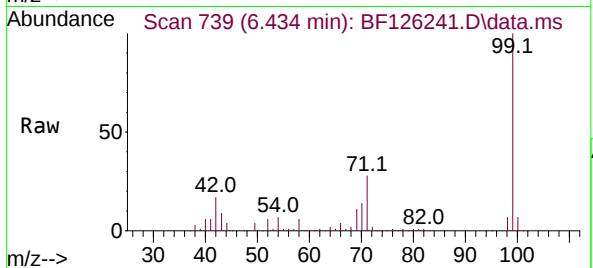
Tgt Ion:112 Resp: 793214
Ion Ratio Lower Upper
112 100
64 60.8 44.2 66.2
63 28.3 26.2 39.2



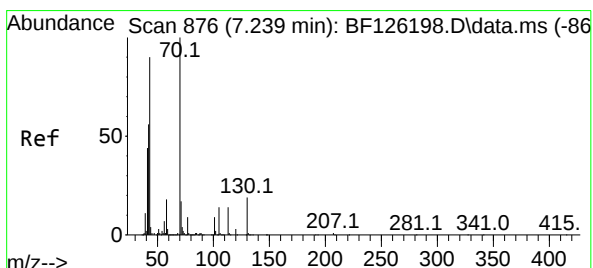
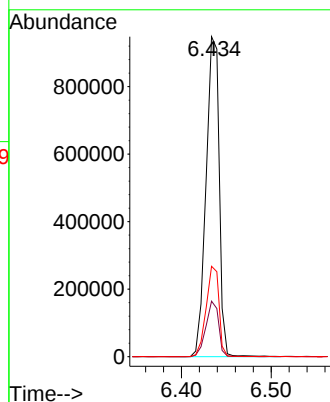
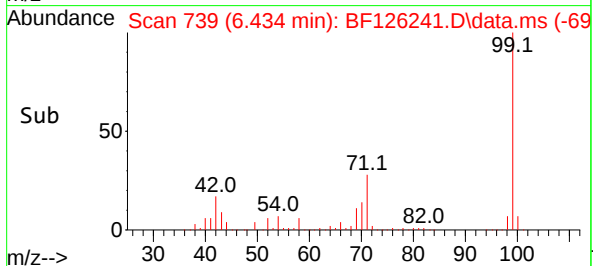


#7
Phenol-d6
Concen: 51.052 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

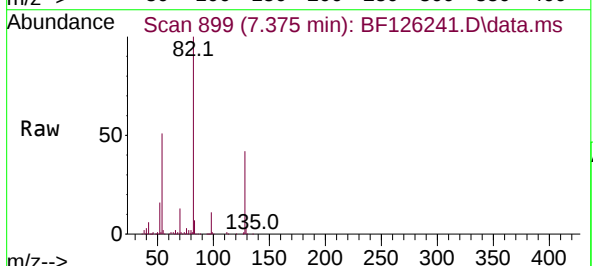
Instrument :
BNA_M
ClientSampleId :



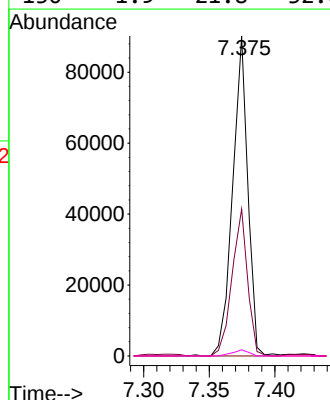
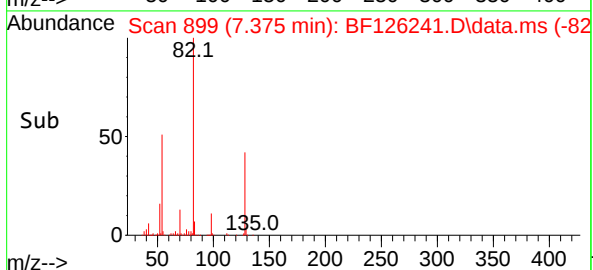
Tgt Ion: 99 Resp: 966302
Ion Ratio Lower Upper
99 100
42 17.4 23.5 35.3#
71 28.3 25.6 38.4

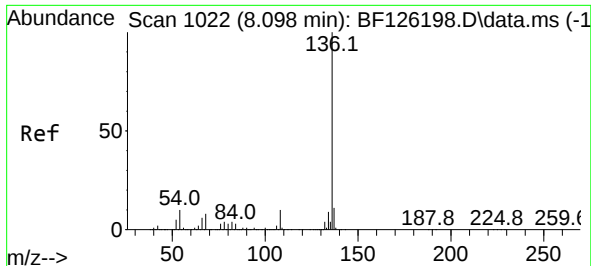


#19
n-Nitroso-di-n-propylamine
Concen: 6.260 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25



Tgt Ion: 70 Resp: 72736
Ion Ratio Lower Upper
70 100
42 45.9 72.2 108.2#
101 0.0 7.8 11.8#
130 1.9 21.8 32.6#

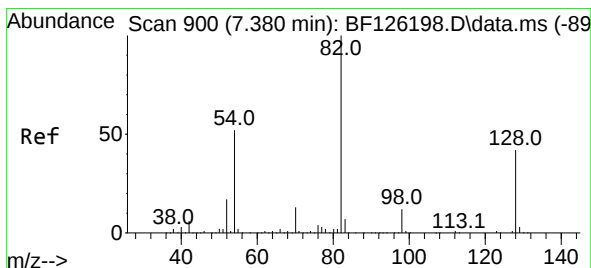
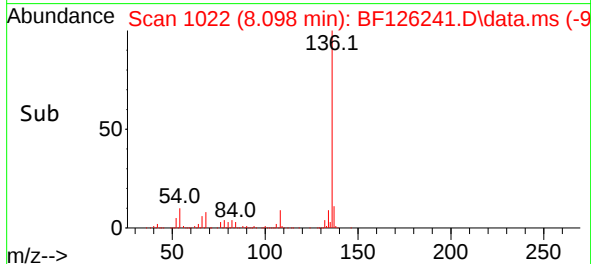
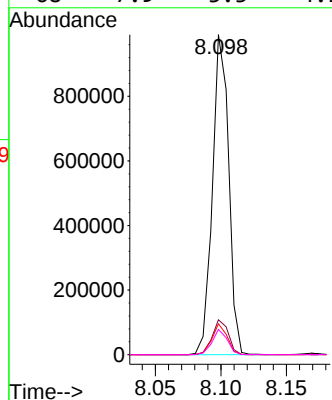
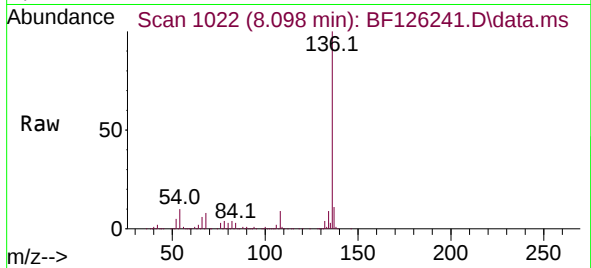




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

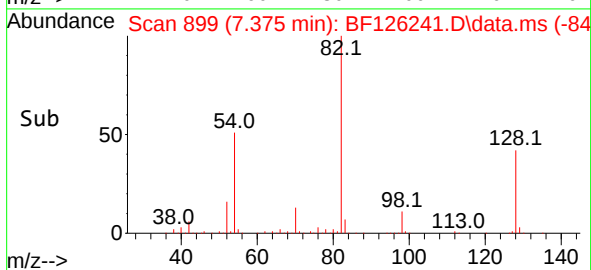
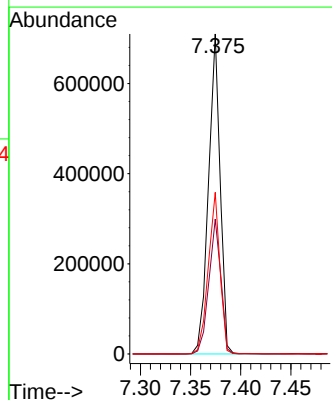
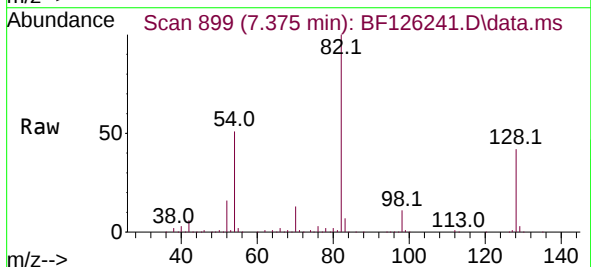
Instrument :
BNA_M
ClientSampleId :

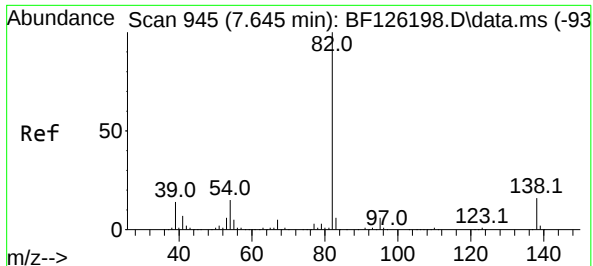
Tgt Ion:136	Resp: 854037
Ion Ratio	Lower Upper
136	100
137	10.9 9.8 14.6
54	9.6 6.4 9.6#
68	7.9 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 36.707 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

Tgt Ion: 82	Resp: 578837
Ion Ratio	Lower Upper
82	100
128	42.2 40.6 60.8
54	50.5 49.6 74.4

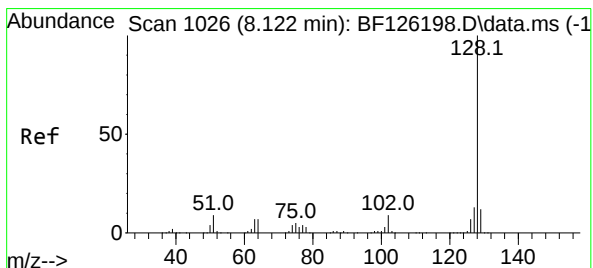
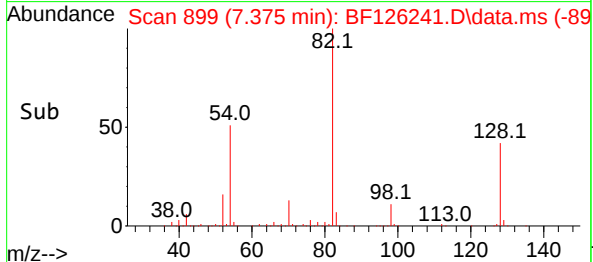
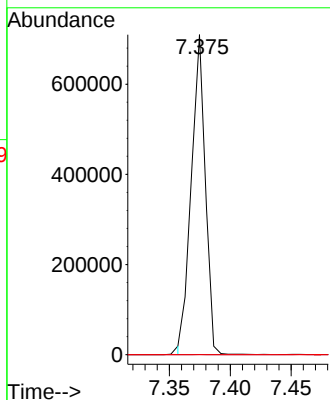
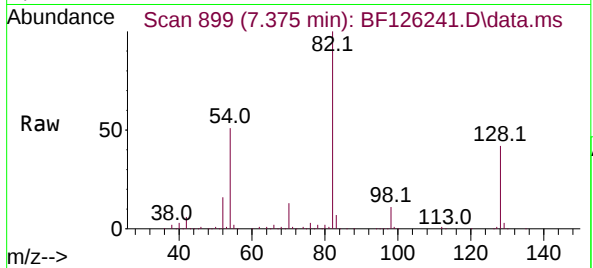




#25
Isophorone
Concen: 19.125 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

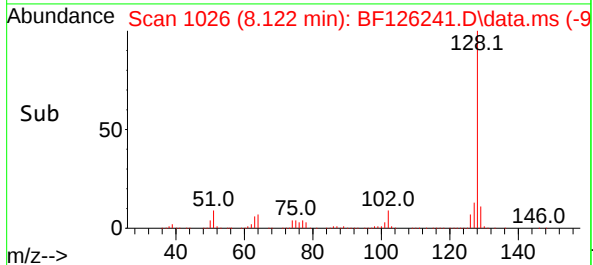
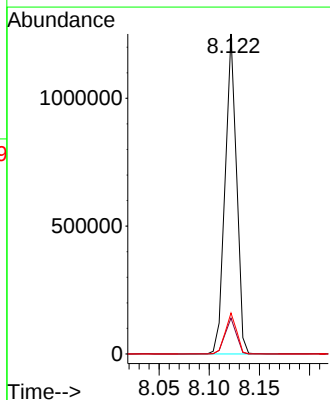
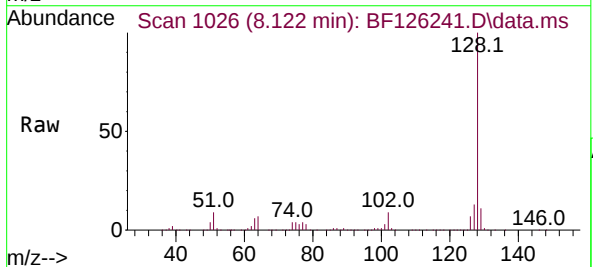
Instrument :
BNA_M
ClientSampleId :

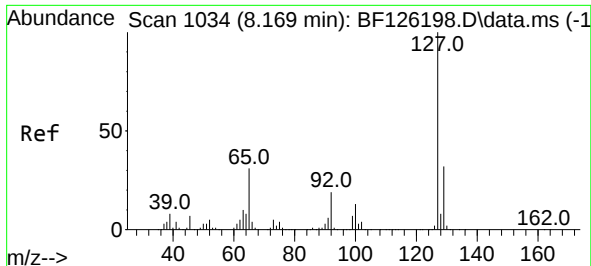
Tgt Ion: 82 Resp: 569499
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 24.852 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

Tgt Ion:128 Resp: 992593
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.0
127 12.8 10.9 16.3

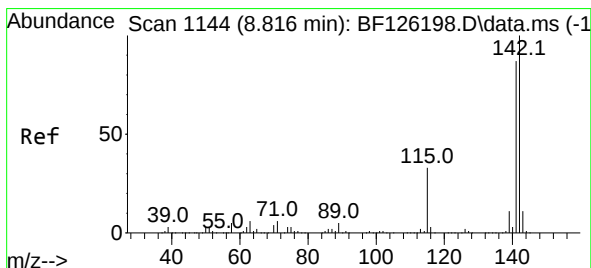
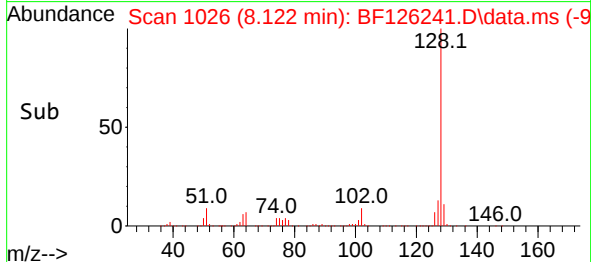
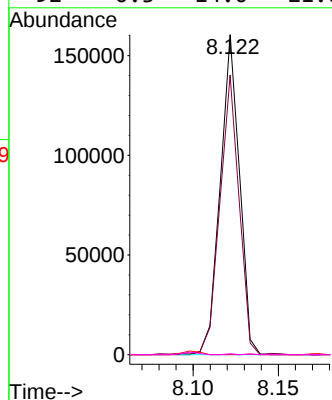
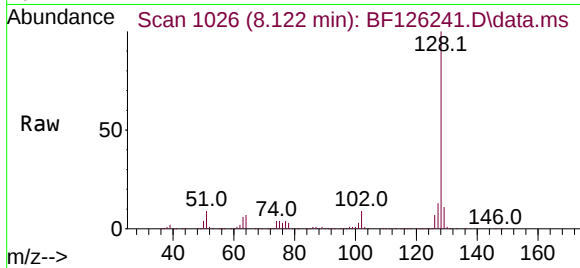




#33
4-Chloroaniline
Concen: 7.537 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.047 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

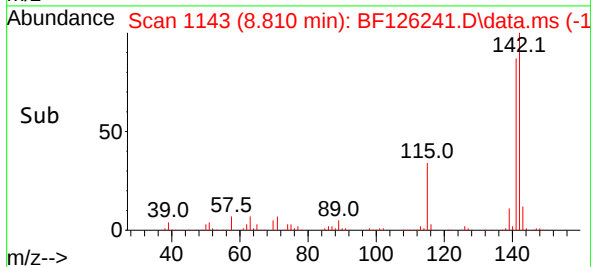
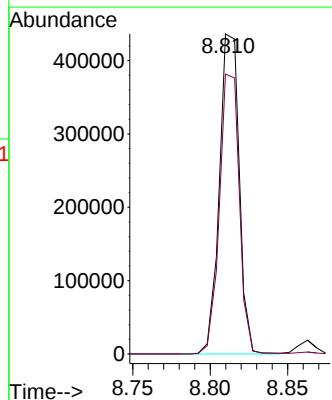
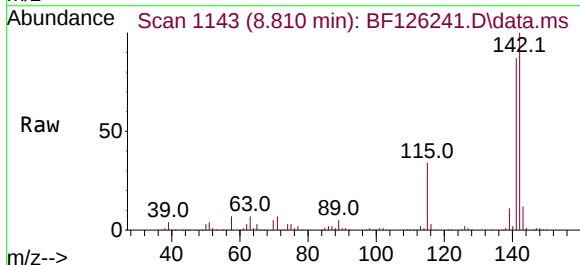
Instrument :
BNA_M
ClientSampleId :

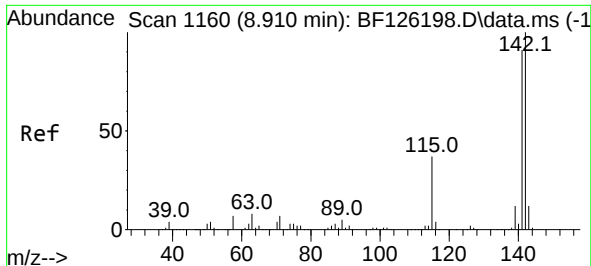
Tgt Ion:127 Resp: 125691
Ion Ratio Lower Upper
127 100
129 87.4 25.7 38.5#
65 0.0 21.2 31.8#
92 0.3 14.0 21.0#



#37
2-Methylnaphthalene
Concen: 15.824 ng
RT: 8.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

Tgt Ion:142 Resp: 389210
Ion Ratio Lower Upper
142 100
141 87.5 71.2 106.8

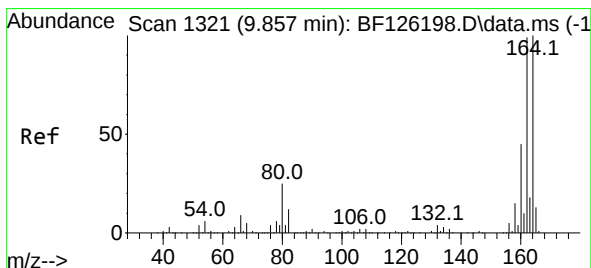
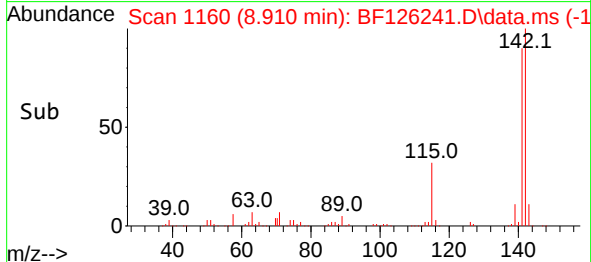
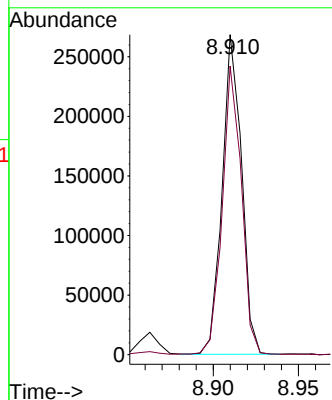
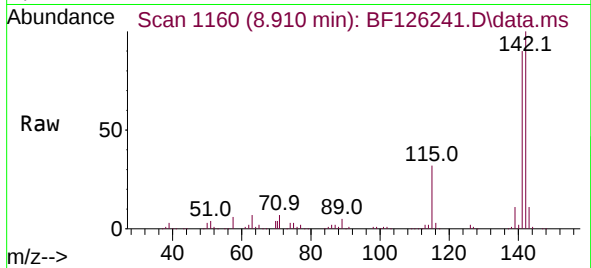




#38
1-Methylnaphthalene
Concen: 8.902 ng
RT: 8.910 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

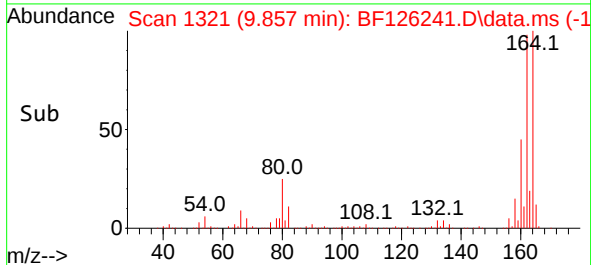
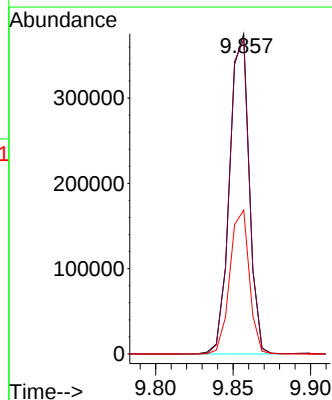
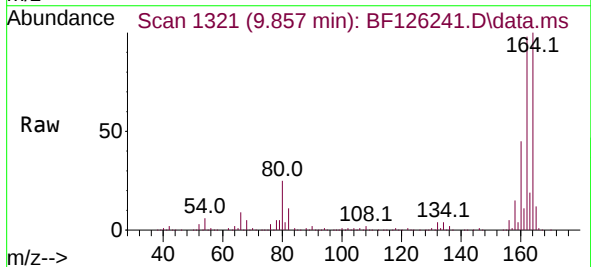
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BNA_M
ClientSampleId :

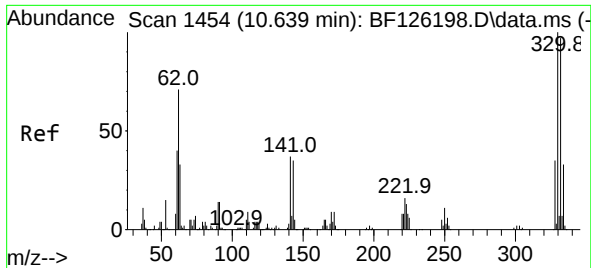
Tgt Ion:142 Resp: 212484
Ion Ratio Lower Upper
142 100
141 90.2 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

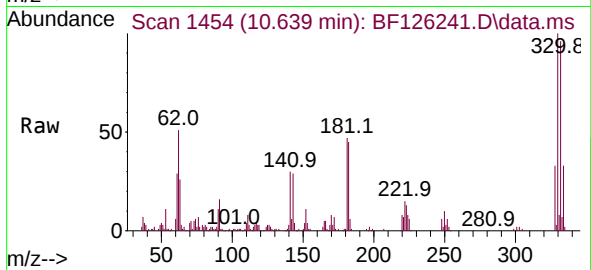
Tgt Ion:164 Resp: 330639
Ion Ratio Lower Upper
164 100
162 98.3 81.3 121.9
160 45.0 38.0 57.0



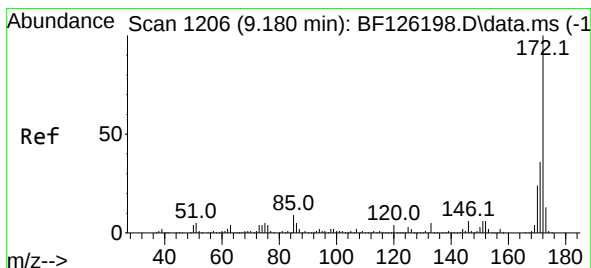
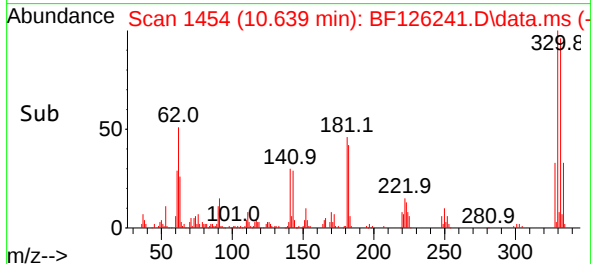
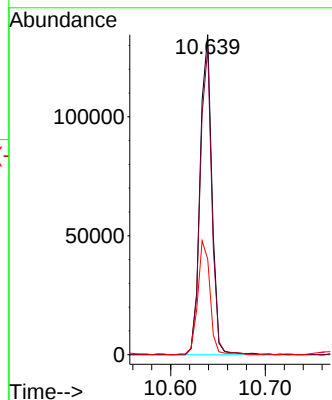


#42
2,4,6-Tribromophenol
Concen: 43.796 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

Instrument :
BNA_M
ClientSampleId :

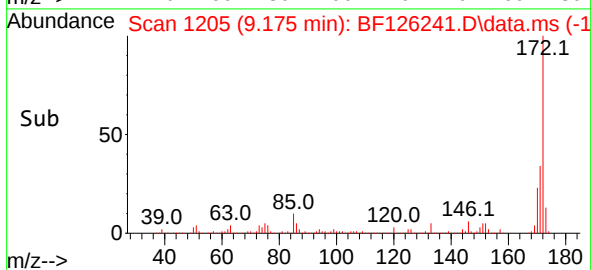
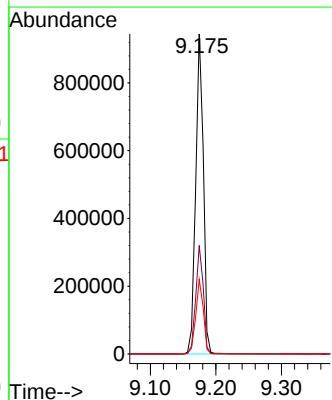
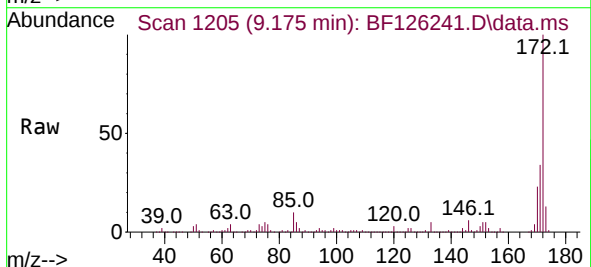


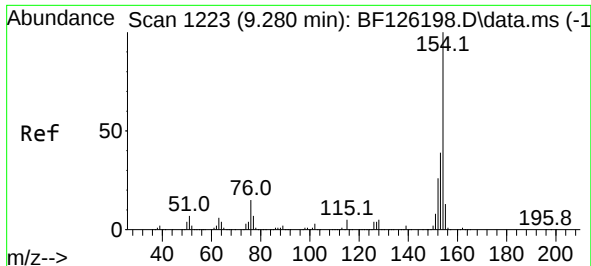
Tgt Ion: 330 Resp: 116372
Ion Ratio Lower Upper
330 100
332 94.7 76.2 114.4
141 37.2 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 40.904 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

Tgt Ion: 172 Resp: 771108
Ion Ratio Lower Upper
172 100
171 33.9 26.5 39.7
170 23.3 18.8 28.2

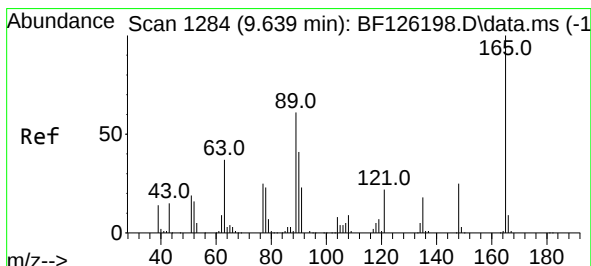
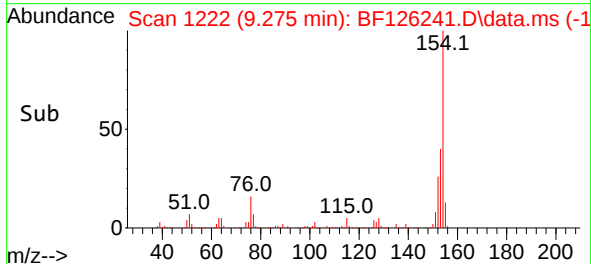
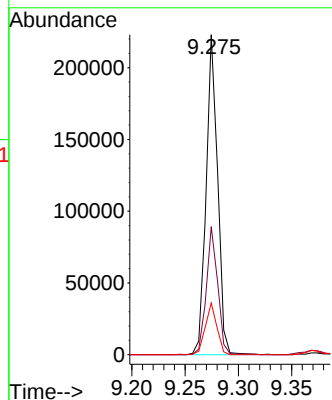
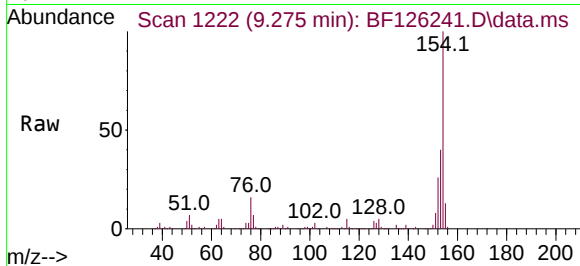




#46
1,1'-Biphenyl
Concen: 6.861 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

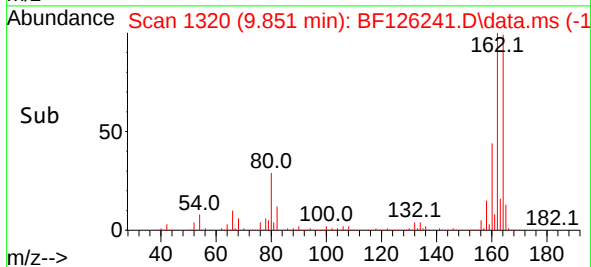
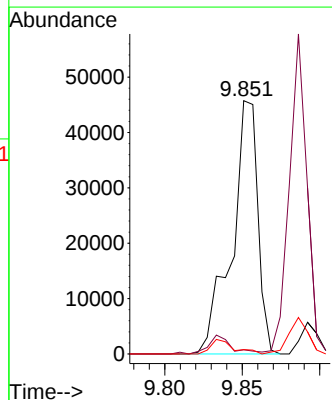
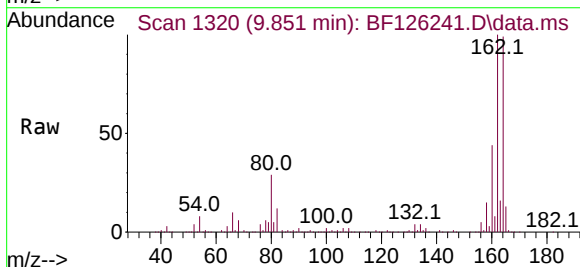
Instrument :
BNA_M
ClientSampleId :

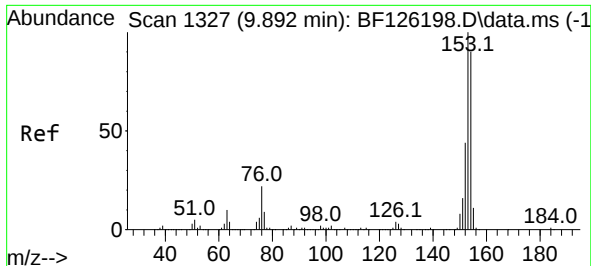
Tgt Ion:154 Resp: 167740
Ion Ratio Lower Upper
154 100
153 40.0 20.0 60.0
76 16.2 0.0 30.3



#51
2,6-Dinitrotoluene
Concen: 11.803 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

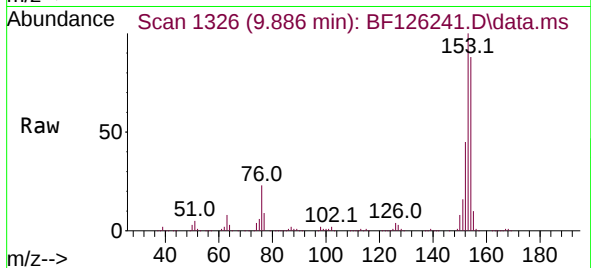
Tgt Ion:165 Resp: 53507
Ion Ratio Lower Upper
165 100
63 1.7 42.6 63.8#
89 1.7 40.6 60.8#



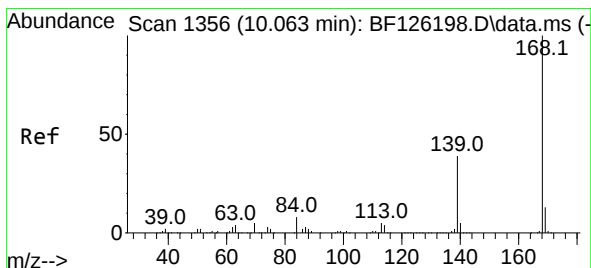
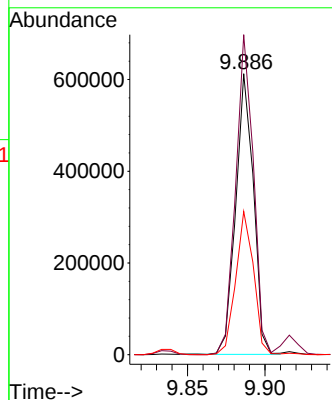
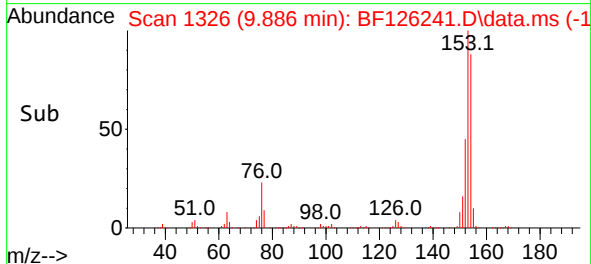


#52
Acenaphthene
Concen: 26.757 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

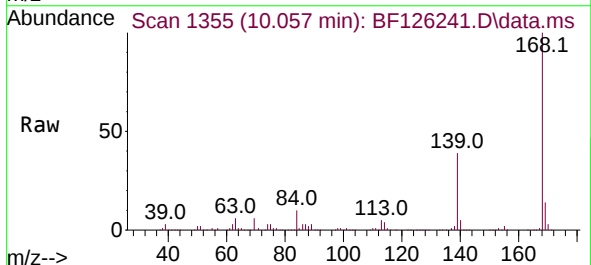
Instrument :
BNA_M
ClientSampleId :



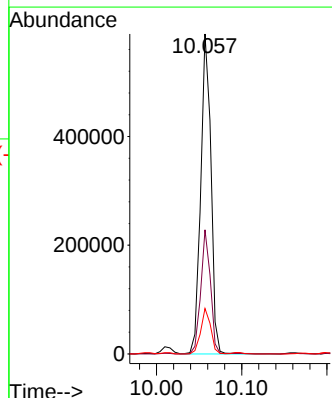
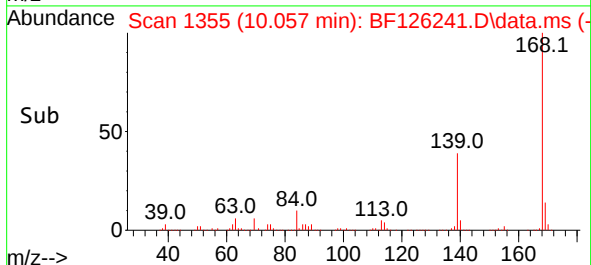
Tgt Ion:154 Resp: 487710
Ion Ratio Lower Upper
154 100
153 113.9 89.4 134.2
152 51.0 40.5 60.7

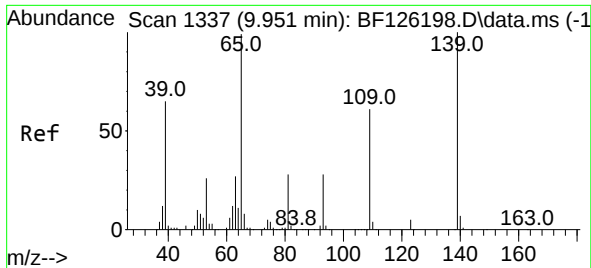


#55
Dibenzofuran
Concen: 19.796 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25



Tgt Ion:168 Resp: 491279
Ion Ratio Lower Upper
168 100
139 38.8 32.7 49.1
169 14.2 11.2 16.8

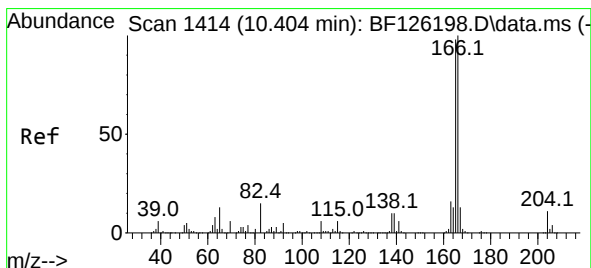
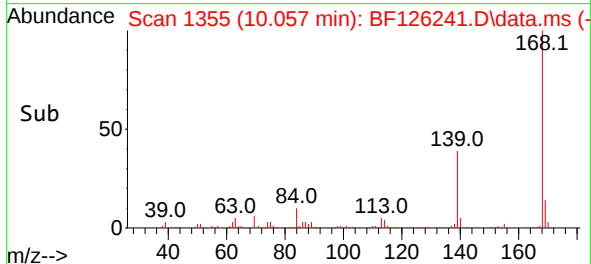
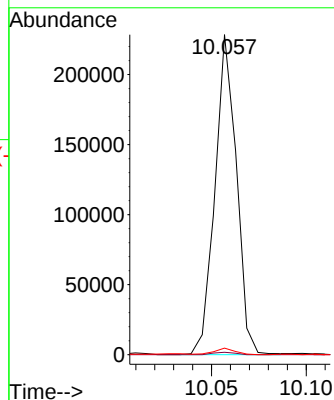
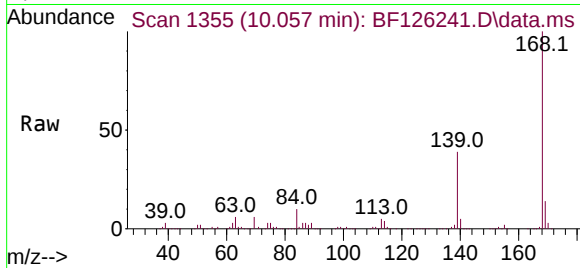




#56
4-Nitrophenol
Concen: 43.317 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.106 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

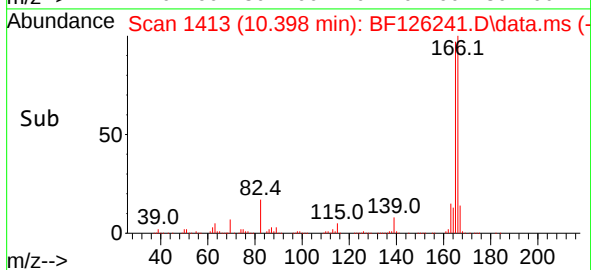
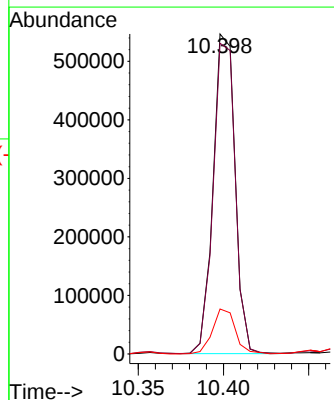
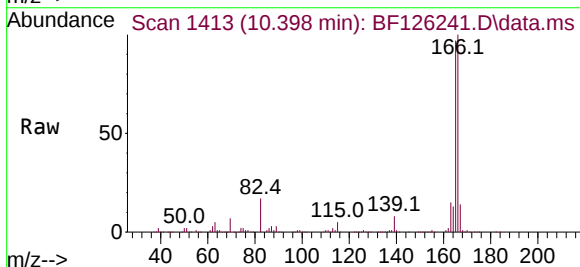
Instrument :
BNA_M
ClientSampleId :

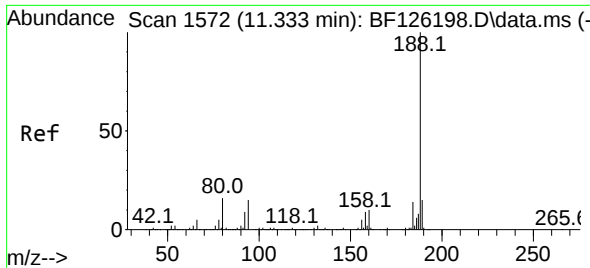
Tgt Ion:139 Resp: 180288
Ion Ratio Lower Upper
139 100
109 0.7 60.4 100.4#
65 2.1 58.4 98.4#



#58
Fluorene
Concen: 27.177 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

Tgt Ion:166 Resp: 488259
Ion Ratio Lower Upper
166 100
165 97.1 78.1 117.1
167 14.0 11.1 16.7

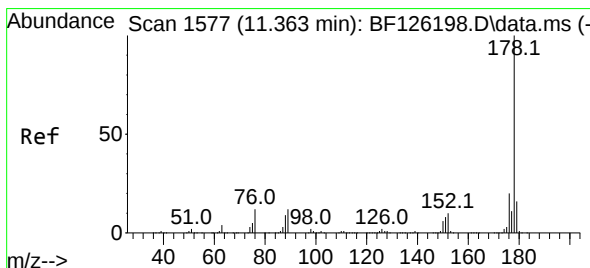
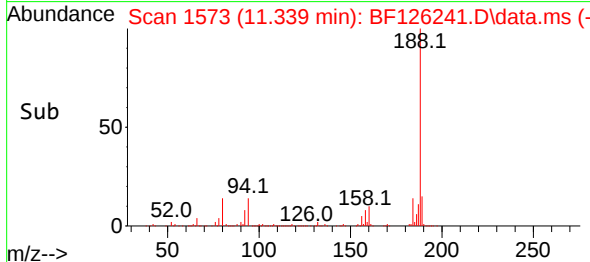
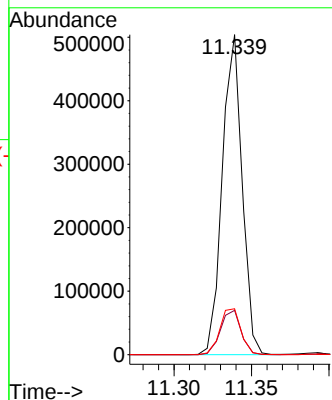
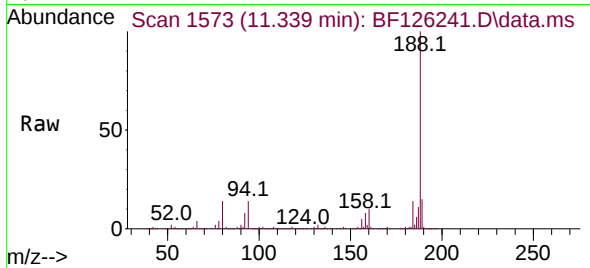




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

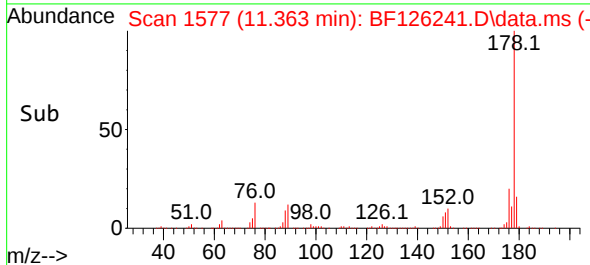
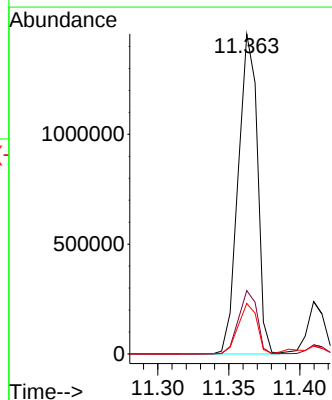
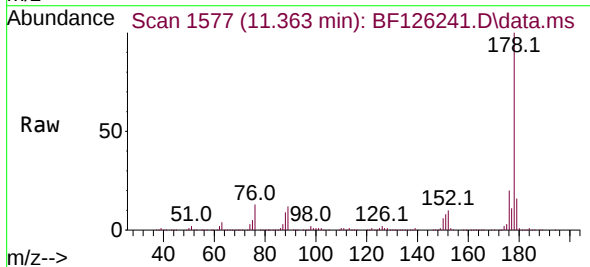
Instrument :
BNA_M
ClientSampleId :

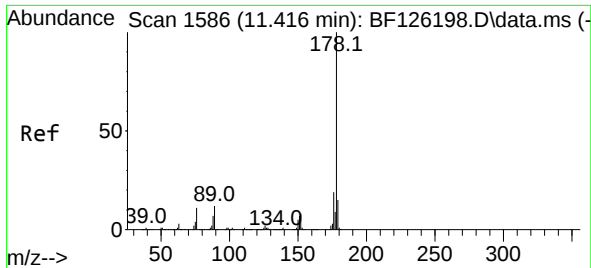
Tgt Ion:188 Resp: 448513
Ion Ratio Lower Upper
188 100
94 13.9 6.7 10.1#
80 14.3 7.5 11.3#



#71
Phenanthrene
Concen: 59.370 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

Tgt Ion:178 Resp: 1374356
Ion Ratio Lower Upper
178 100
176 19.8 14.7 22.1
179 15.8 11.5 17.3

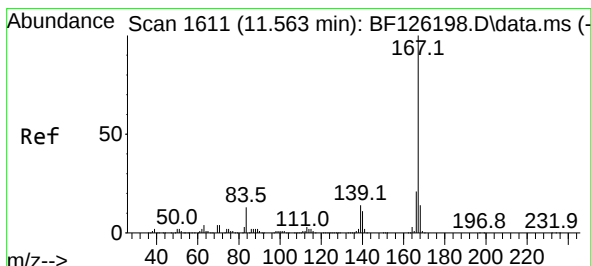
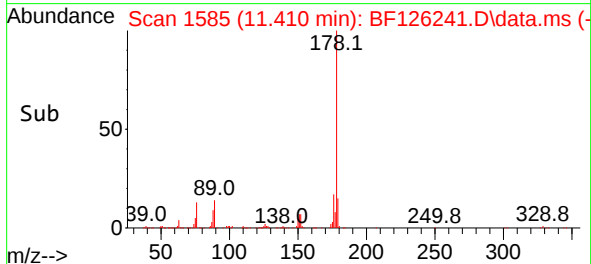
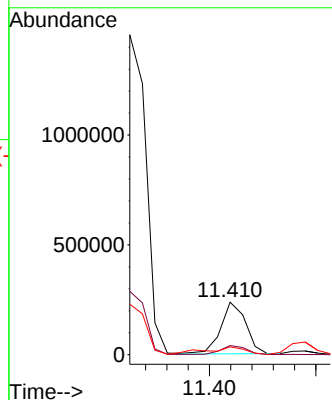
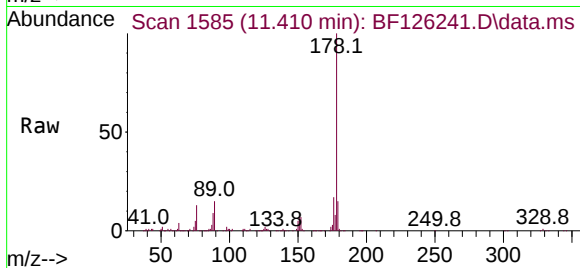




#72
 Anthracene
 Concen: 8.279 ng
 RT: 11.410 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF126241.D
 Acq: 17 Dec 2021 18:25

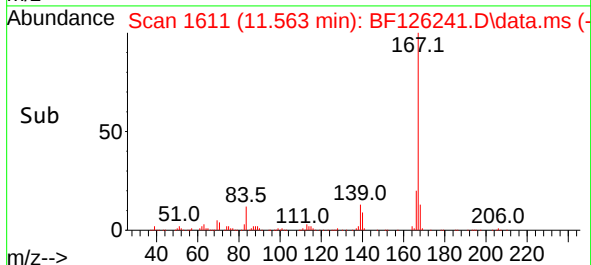
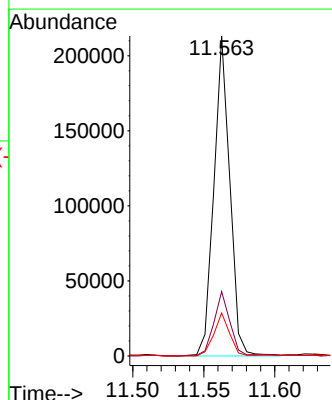
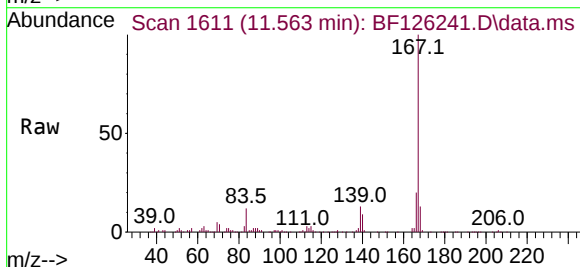
Instrument :
 BNA_M
 ClientSampleId :

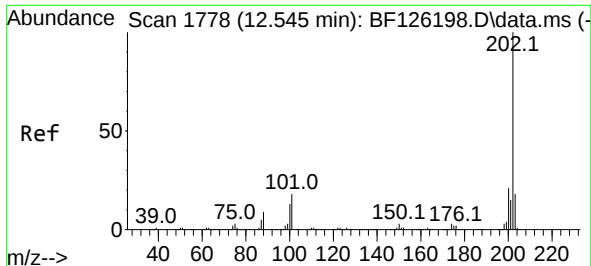
Tgt Ion:178 Resp: 192355
 Ion Ratio Lower Upper
 178 100
 176 17.3 14.3 21.5
 179 14.9 12.2 18.4



#73
 Carbazole
 Concen: 7.583 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF126241.D
 Acq: 17 Dec 2021 18:25

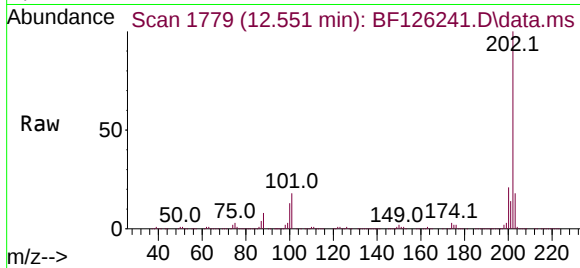
Tgt Ion:167 Resp: 165931
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.4 26.0
 139 13.4 11.0 16.4



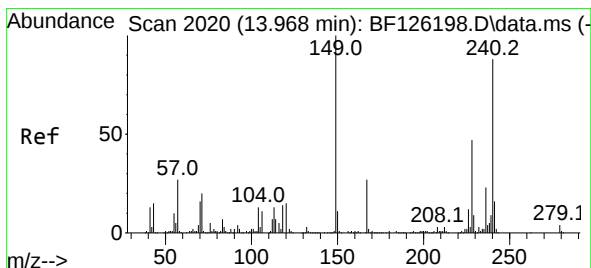
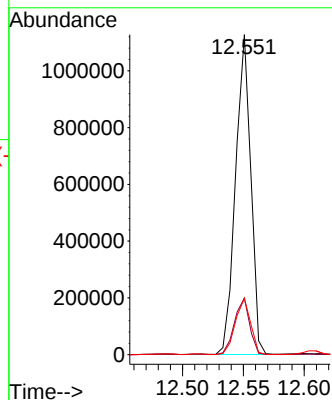
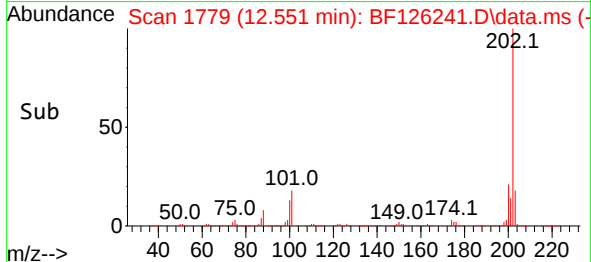


#75
Fluoranthene
Concen: 46.926 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

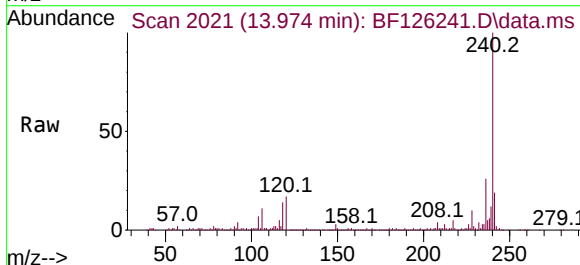
Instrument :
BNA_M
ClientSampleId :



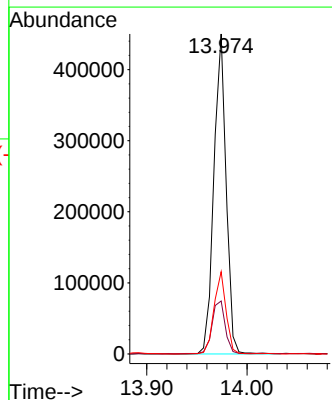
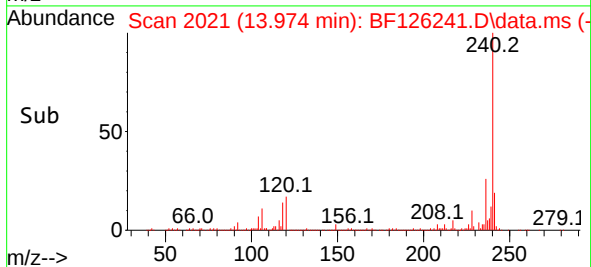
Tgt Ion:202 Resp: 978737
Ion Ratio Lower Upper
202 100
101 17.7 0.0 30.7
203 17.6 0.0 36.3

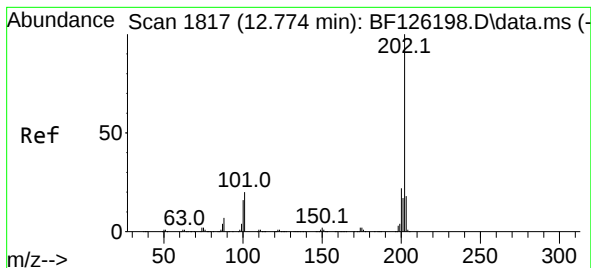


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25



Tgt Ion:240 Resp: 382921
Ion Ratio Lower Upper
240 100
120 16.5 10.8 16.2#
236 25.7 21.6 32.4





#78

Pyrene

Concen: 21.362 ng

RT: 12.780 min Scan# 1817

Delta R.T. 0.006 min

Lab File: BF126241.D

Acq: 17 Dec 2021 18:25

Instrument :

BNA_M

ClientSampleId :

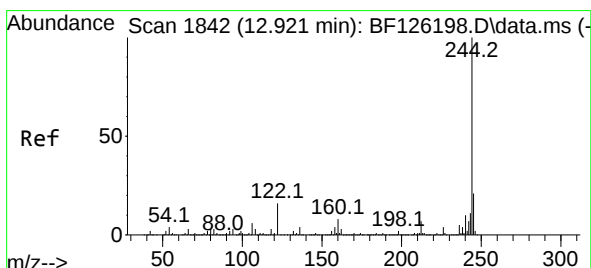
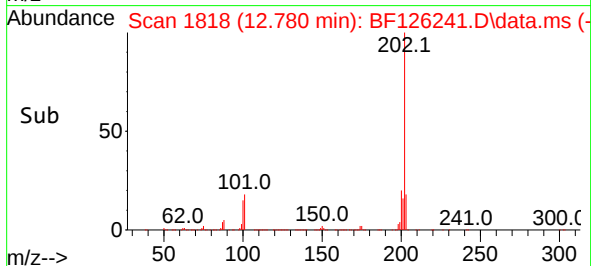
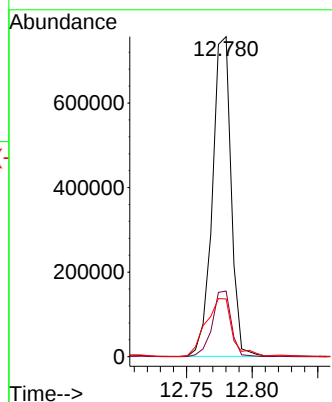
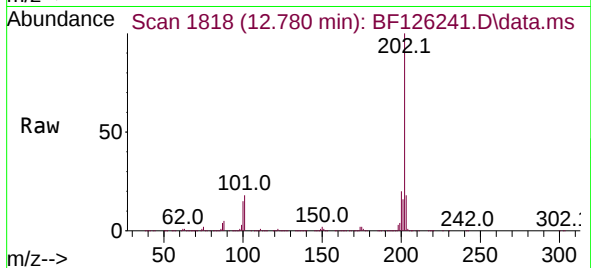
Tgt Ion:202 Resp: 751515

Ion Ratio Lower Upper

202 100

200 20.5 15.3 22.9

203 18.1 13.4 20.0



#79

Terphenyl-d14

Concen: 26.387 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF126241.D

Acq: 17 Dec 2021 18:25

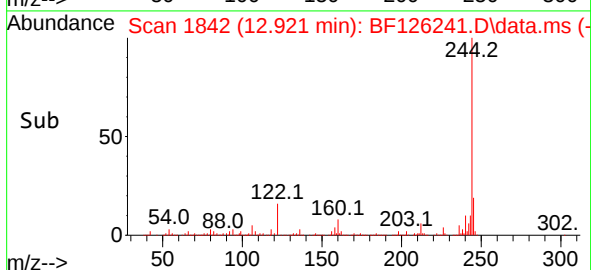
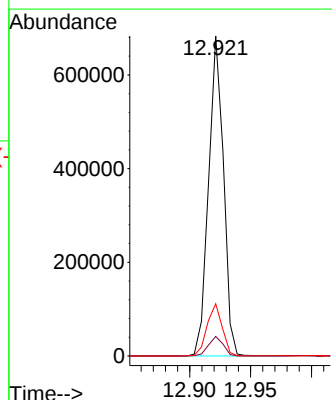
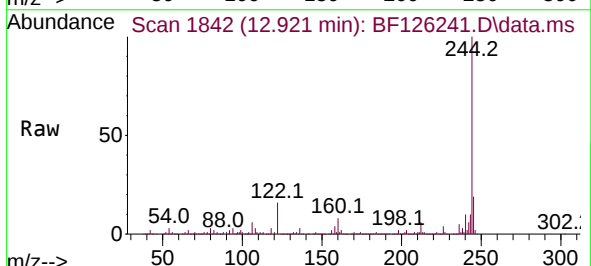
Tgt Ion:244 Resp: 581329

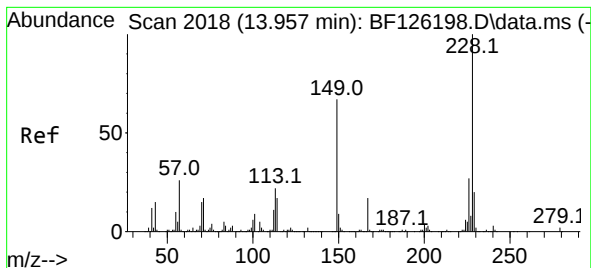
Ion Ratio Lower Upper

244 100

212 6.1 5.9 8.9

122 16.3 9.0 13.4





#81

Benzo(a)anthracene

Concen: 11.932 ng

RT: 13.962 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF126241.D

Acq: 17 Dec 2021 18:25

Instrument :

BNA_M

ClientSampleId :

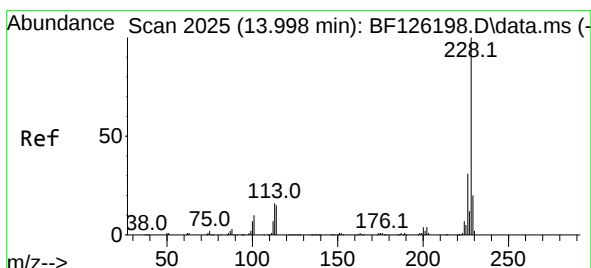
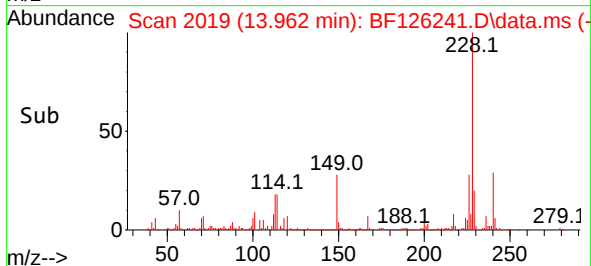
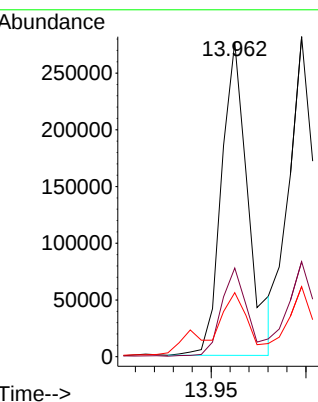
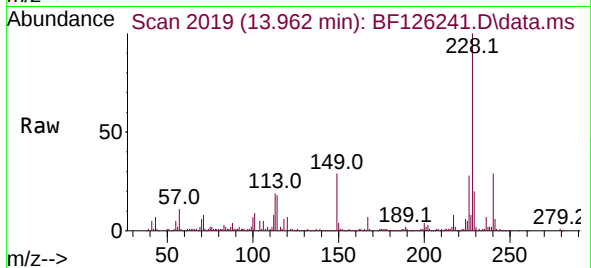
Tgt Ion:228 Resp: 270638

Ion Ratio Lower Upper

228 100

226 28.1 21.6 32.4

229 20.4 15.6 23.4



#83

Chrysene

Concen: 10.862 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF126241.D

Acq: 17 Dec 2021 18:25

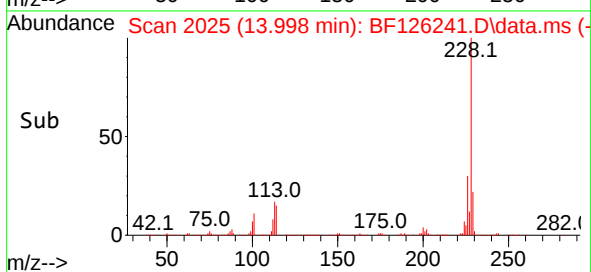
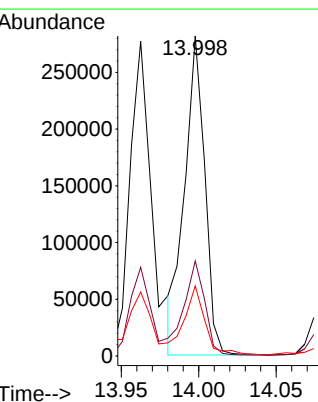
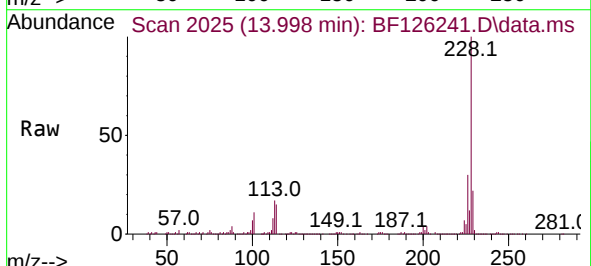
Tgt Ion:228 Resp: 255975

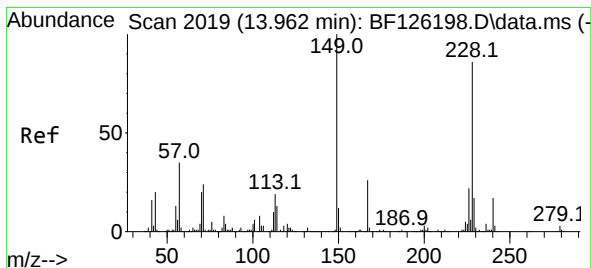
Ion Ratio Lower Upper

228 100

226 29.7 22.6 34.0

229 21.9 15.9 23.9

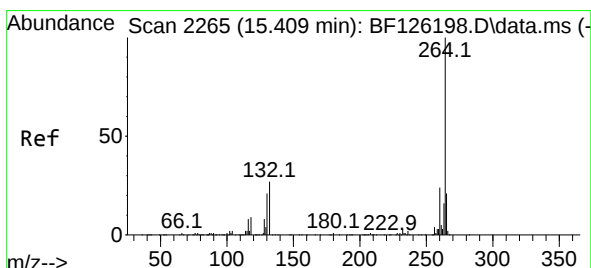
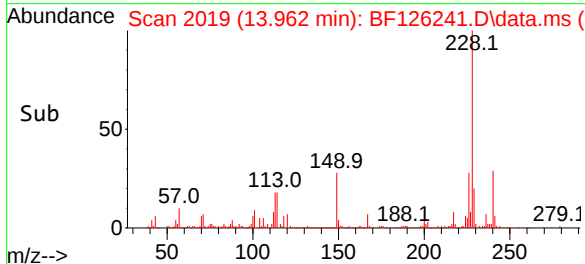
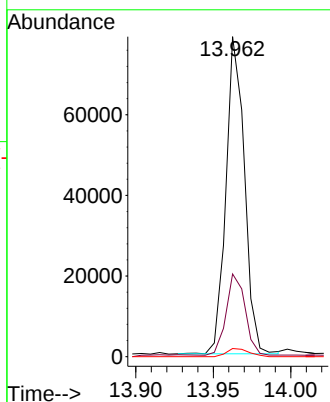
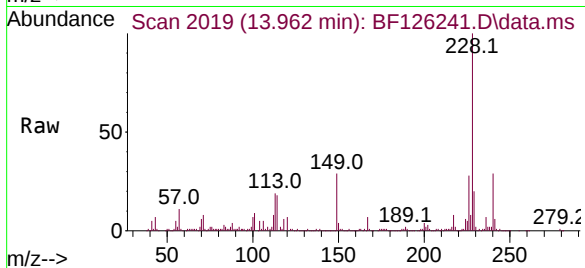




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.534 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

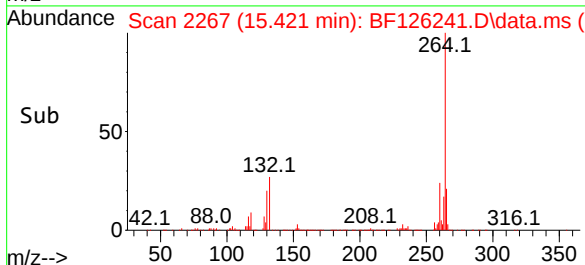
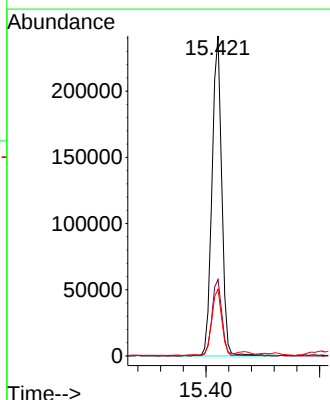
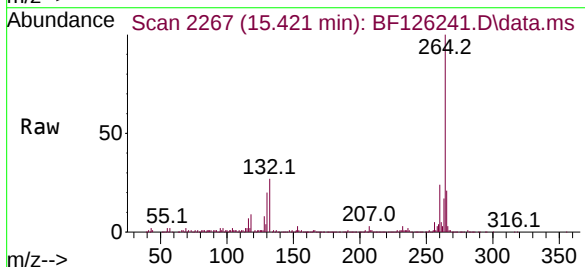
Instrument :
BNA_M
ClientSampleId :

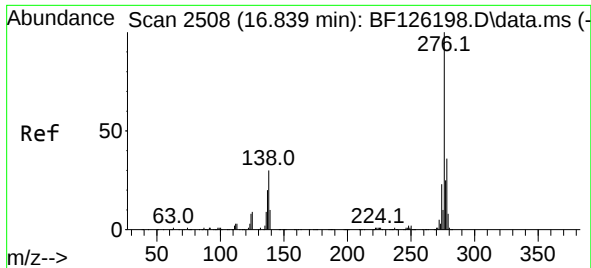
Tgt Ion:149 Resp: 65370
Ion Ratio Lower Upper
149 100
167 25.8 21.4 32.0
279 2.5 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

Tgt Ion:264 Resp: 287054
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 20.9 17.2 25.8

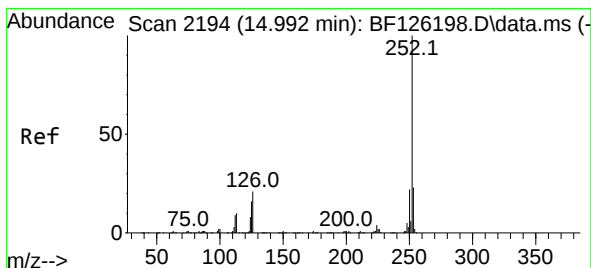
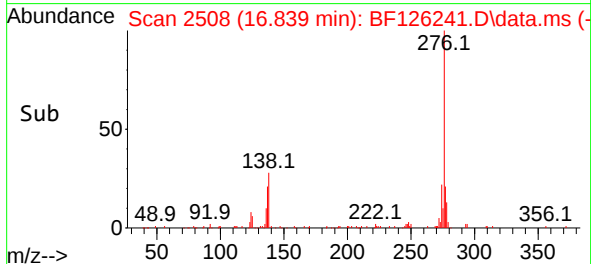
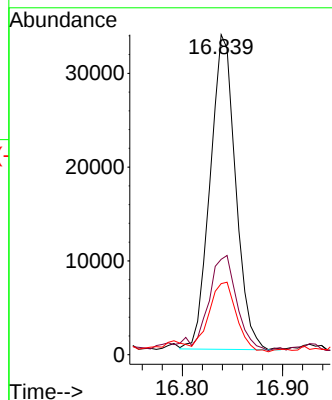
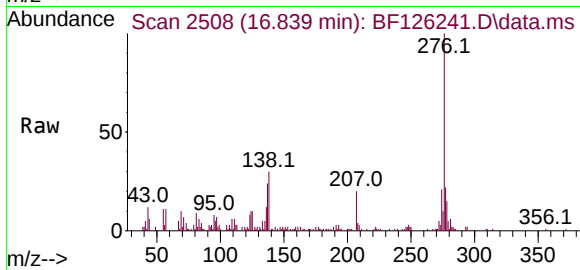




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.090 ng
 RT: 16.839 min Scan# 2195
 Delta R.T. 0.000 min
 Lab File: BF126241.D
 Acq: 17 Dec 2021 18:25

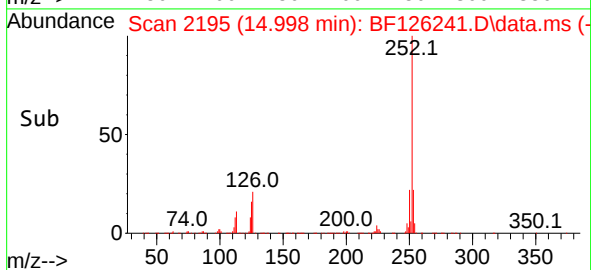
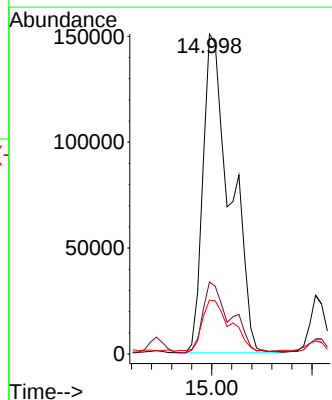
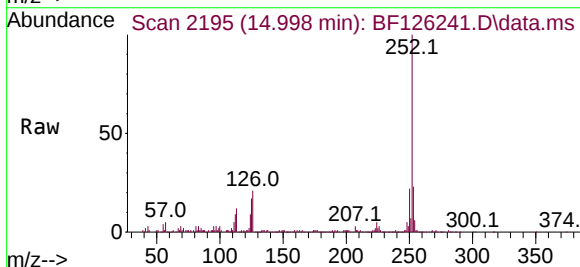
Instrument :
 BNA_M
 ClientSampleId :

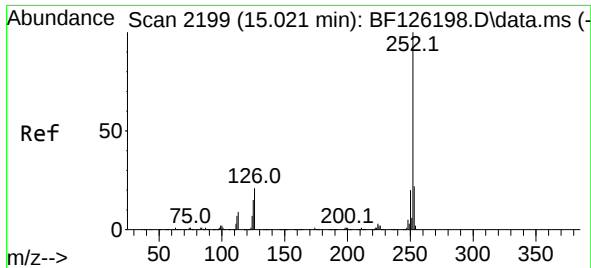
Tgt Ion:276 Resp: 59157
 Ion Ratio Lower Upper
 276 100
 138 35.8 24.1 36.1
 277 25.0 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 16.602 ng
 RT: 14.998 min Scan# 2195
 Delta R.T. 0.006 min
 Lab File: BF126241.D
 Acq: 17 Dec 2021 18:25

Tgt Ion:252 Resp: 286340
 Ion Ratio Lower Upper
 252 100
 253 22.5 16.8 25.2
 125 16.8 9.8 14.8#

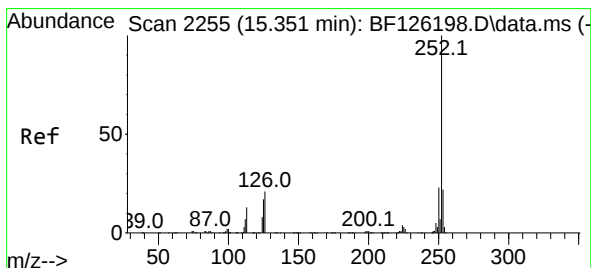
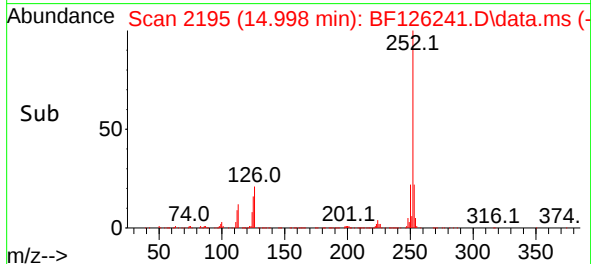
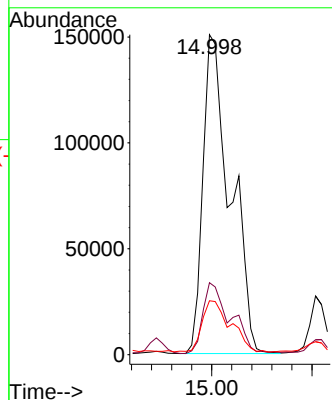
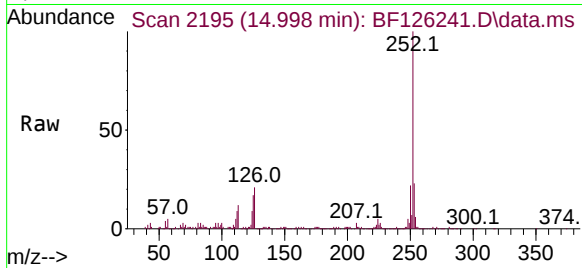




#89
Benzo(k)fluoranthene
Concen: 17.354 ng
RT: 14.998 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

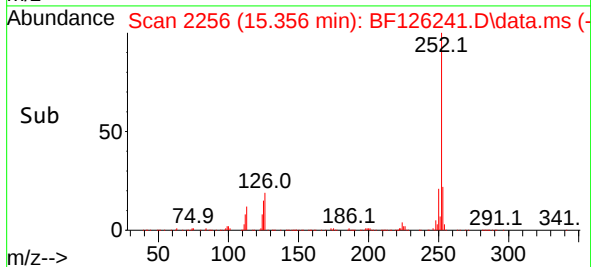
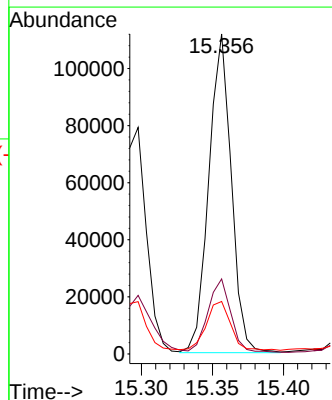
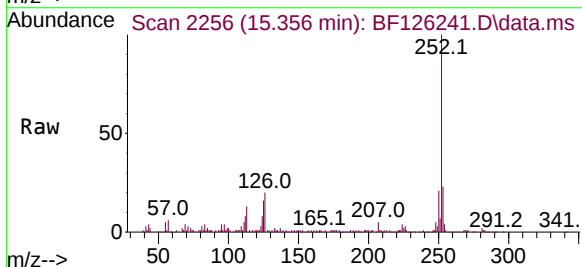
Instrument :
BNA_M
ClientSampleId :

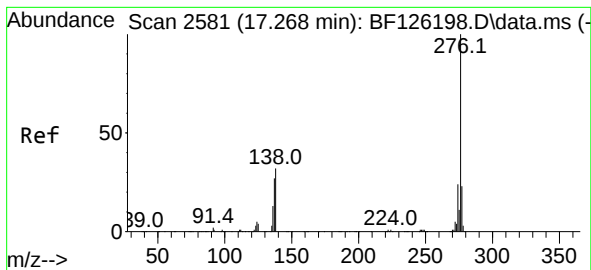
Tgt Ion:252 Resp: 286340
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 16.8 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 8.586 ng
RT: 15.356 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126241.D
Acq: 17 Dec 2021 18:25

Tgt Ion:252 Resp: 123087
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 16.4 9.9 14.9#





#92

Benzo(g,h,i)perylene

Concen: 3.473 ng

RT: 17.268 min Scan# 2

Delta R.T. 0.000 min

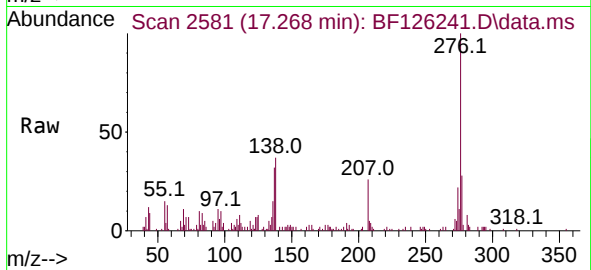
Lab File: BF126241.D

Acq: 17 Dec 2021 18:25

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 55926

Ion Ratio Lower Upper

276 100

277 27.7 22.0 33.0

138 37.2 22.2 33.4#

