

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061722\
 Data File : BF128864.D
 Acq On : 17 Jun 2022 20:11
 Operator : CG\JU
 Sample : N3383-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-03-(0-3.5)

Quant Time: Jun 18 05:07:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

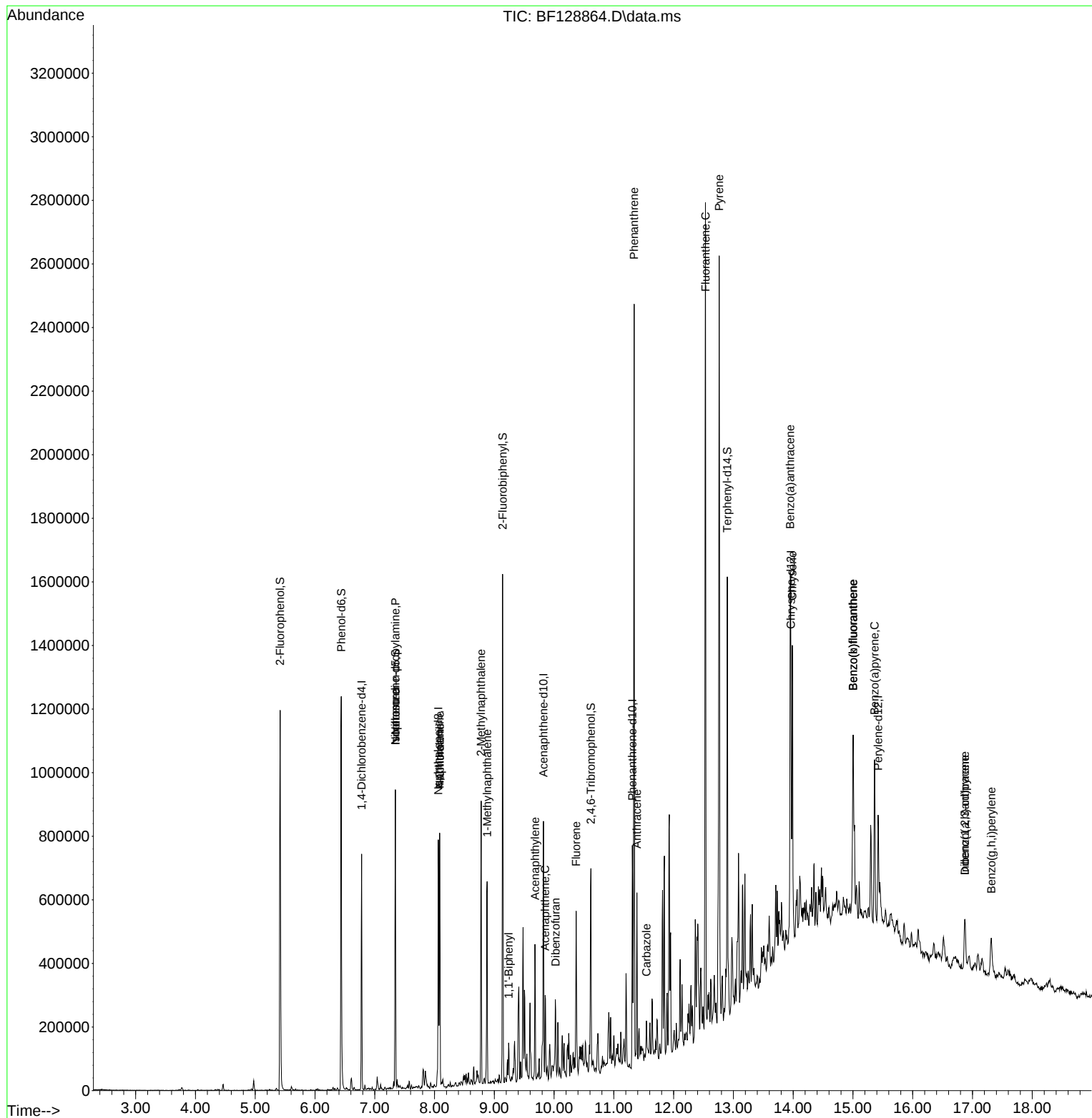
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	93977	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	316862	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	144762	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	257525	20.000	ng	0.00
76) Chrysene-d12	13.963	240	185462	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	119892	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	290386	49.218	ng	0.00
7) Phenol-d6	6.440	99	364572	50.621	ng	0.00
23) Nitrobenzene-d5	7.345	82	246415	36.207	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	69464	40.612	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	416728	40.325	ng	0.00
79) Terphenyl-d14	12.898	244	418676	39.227	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	34111	7.618	ng	# 78
25) Isophorone	7.345	82	245064	23.709	ng	# 65
31) Naphthalene	8.087	128	280805	17.268	ng	99
33) 4-Chloroaniline	8.087	127	36984	6.032	ng	# 35
37) 2-Methylnaphthalene	8.781	142	193510	18.709	ng	99
38) 1-Methylnaphthalene	8.881	142	153336	15.344	ng	99
46) 1,1'-Biphenyl	9.239	154	32308	2.974	ng	98
49) Acenaphthylene	9.681	152	105370	8.304	ng	# 96
52) Acenaphthene	9.851	154	45711	5.532	ng	97
55) Dibenzofuran	10.028	168	44392	3.738	ng	# 93
58) Fluorene	10.369	166	120289	13.062	ng	99
71) Phenanthrene	11.339	178	787684	60.981	ng	99
72) Anthracene	11.386	178	182410	14.267	ng	99
73) Carbazole	11.545	167	29766	2.507	ng	# 93
75) Fluoranthene	12.533	202	946245	70.082	ng	96
78) Pyrene	12.763	202	1012489	73.378	ng	99
81) Benzo(a)anthracene	13.951	228	425862	36.838	ng	95
83) Chrysene	13.986	228	361308	32.782	ng	97
87) Indeno(1,2,3-cd)pyrene	16.874	276	108538	15.020	ng	# 89
88) Benzo(b)fluoranthene	15.004	252	414243	54.072	ng	96
89) Benzo(k)fluoranthene	15.004	252	414243	57.481	ng	95
90) Benzo(a)pyrene	15.363	252	224808	37.336	ng	# 93
91) Dibenzo(a,h)anthracene	16.874	278	31514	5.258	ng	# 81
92) Benzo(g,h,i)perylene	17.315	276	105341	17.732	ng	# 93

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

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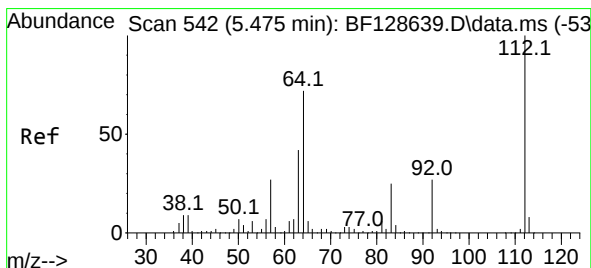
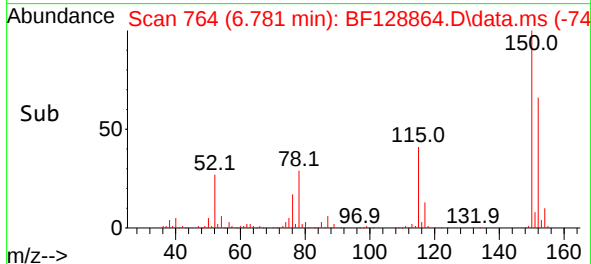
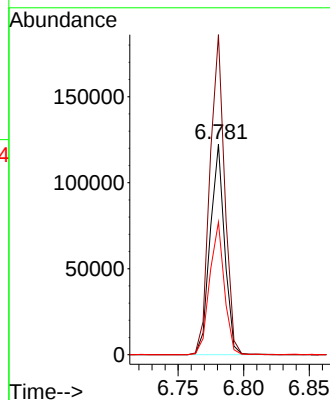
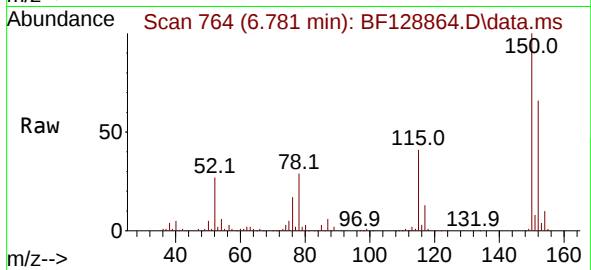




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

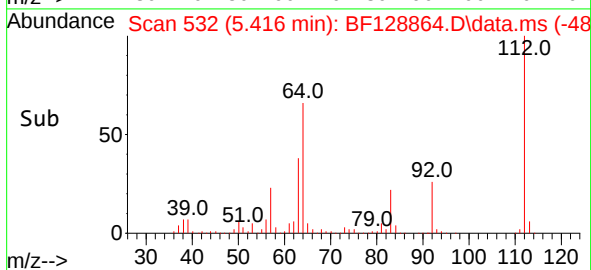
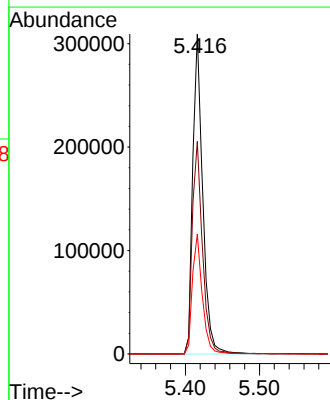
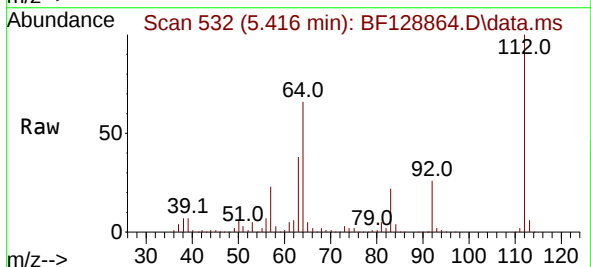
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

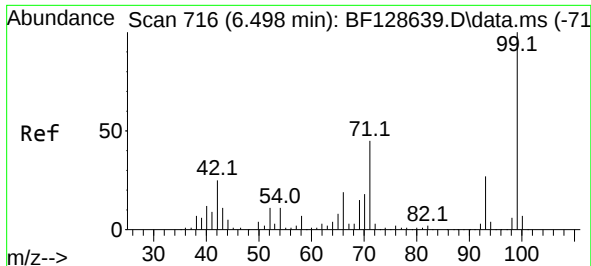
Tgt Ion:152 Resp: 93977
Ion Ratio Lower Upper
152 100
150 152.1 123.7 185.5
115 63.1 49.9 74.9



#5
2-Fluorophenol
Concen: 49.218 ng
RT: 5.416 min Scan# 532
Delta R.T. 0.000 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:112 Resp: 290386
Ion Ratio Lower Upper
112 100
64 66.4 53.3 79.9
63 37.5 28.0 42.0

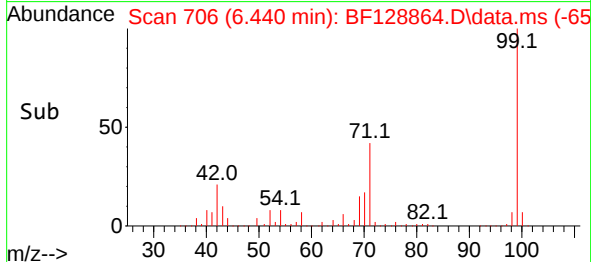
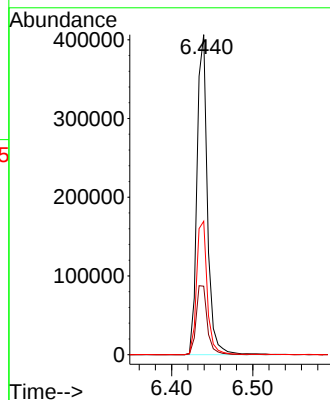
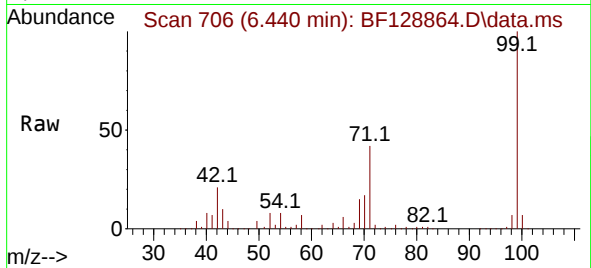




#7
Phenol-d6
Concen: 50.621 ng
RT: 6.440 min Scan# 716
Delta R.T. 0.000 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

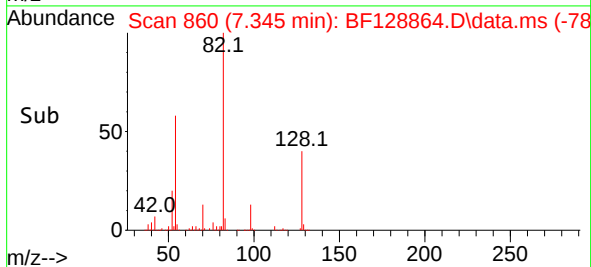
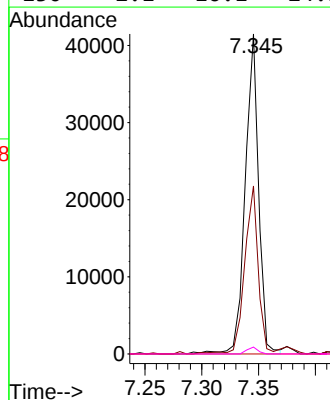
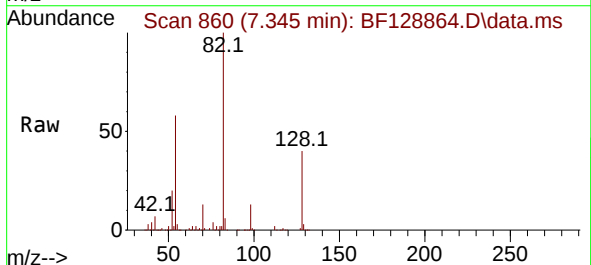
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

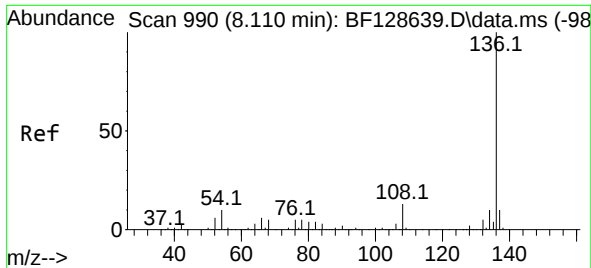
Tgt Ion: 99 Resp: 364572
Ion Ratio Lower Upper
99 100
42 21.4 17.3 25.9
71 41.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 7.618 ng
RT: 7.345 min Scan# 860
Delta R.T. 0.141 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion: 70 Resp: 34111
Ion Ratio Lower Upper
70 100
42 52.5 52.3 78.5
101 0.0 7.5 11.3#
130 2.1 16.1 24.1#

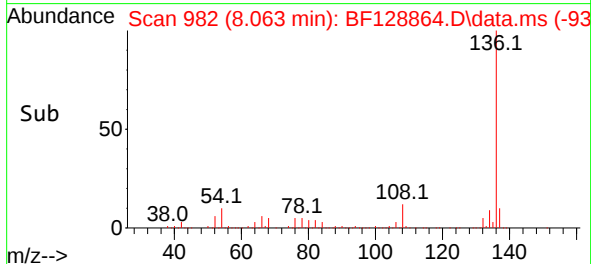
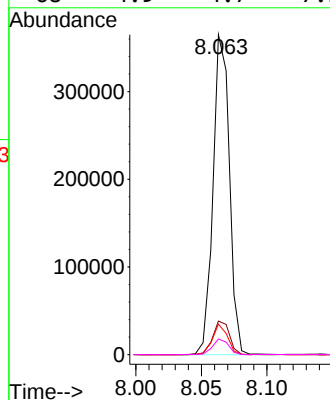
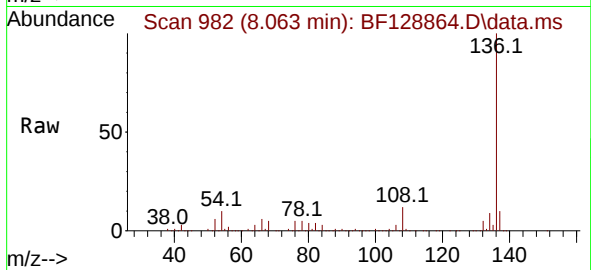




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

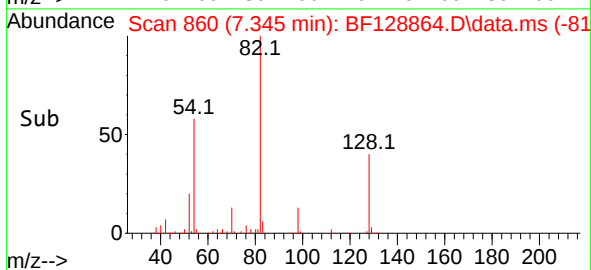
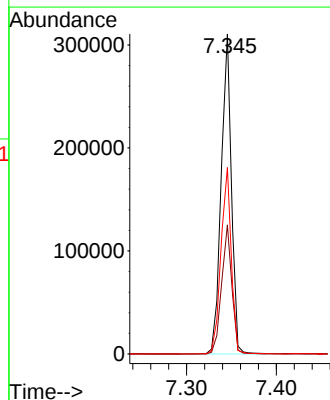
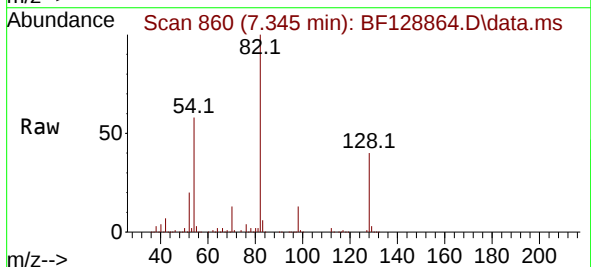
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

Tgt Ion:136 Resp: 316862
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 9.5 7.5 11.3
68 4.9 4.7 7.1



#23
Nitrobenzene-d5
Concen: 36.207 ng
RT: 7.345 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion: 82 Resp: 246415
Ion Ratio Lower Upper
82 100
128 40.3 34.0 51.0
54 58.2 46.9 70.3

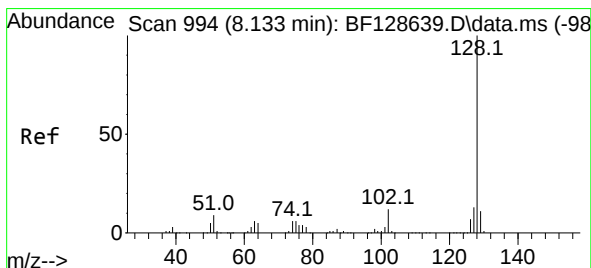
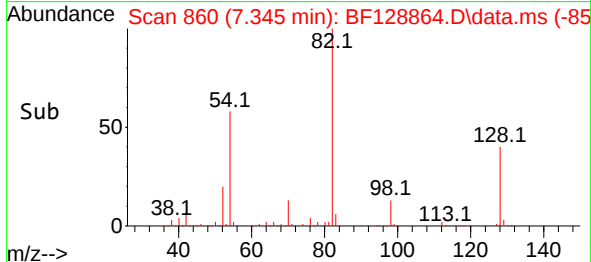
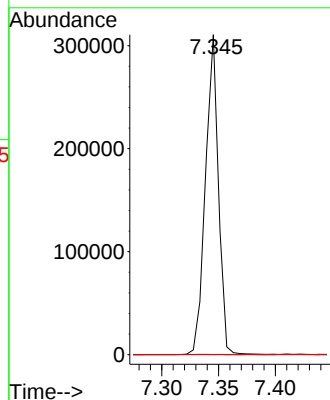
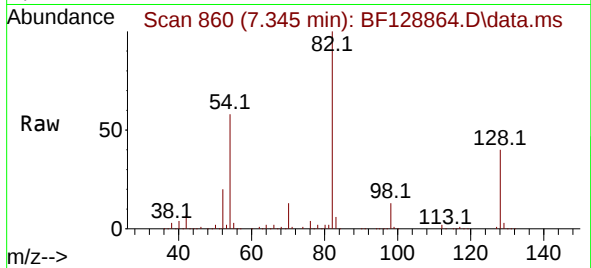




#25
Isophorone
Concen: 23.709 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

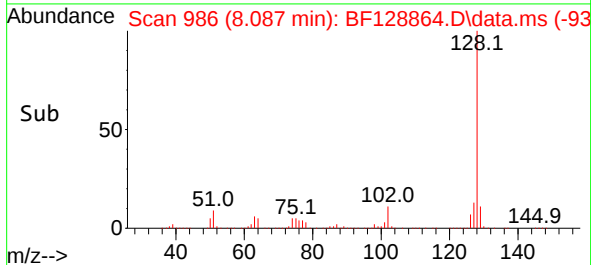
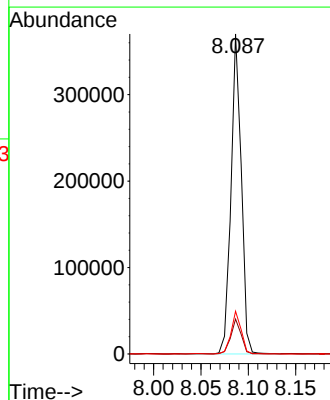
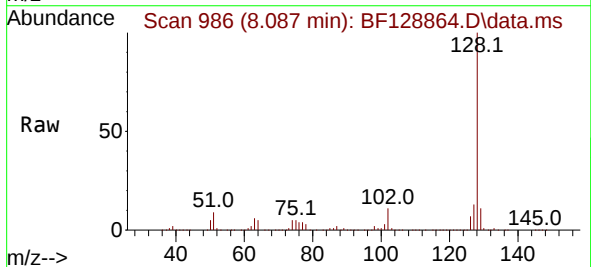
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

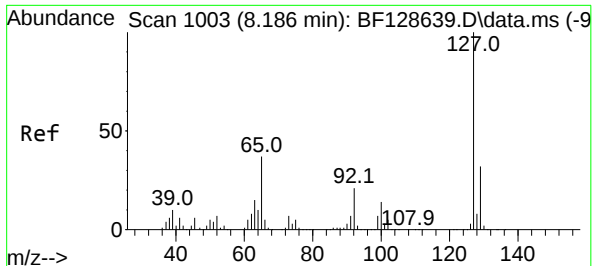
Tgt Ion: 82 Resp: 245064
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 17.268 ng
RT: 8.087 min Scan# 986
Delta R.T. -0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:128 Resp: 280805
Ion Ratio Lower Upper
128 100
129 10.9 9.2 13.8
127 13.3 10.5 15.7

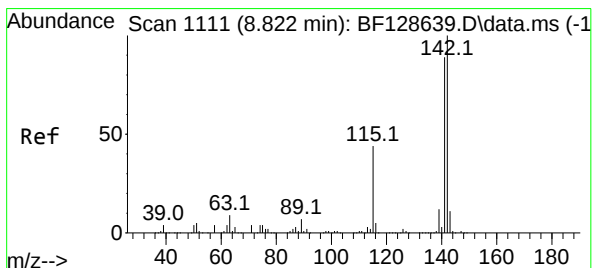
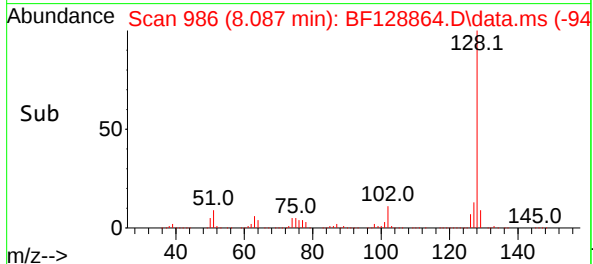
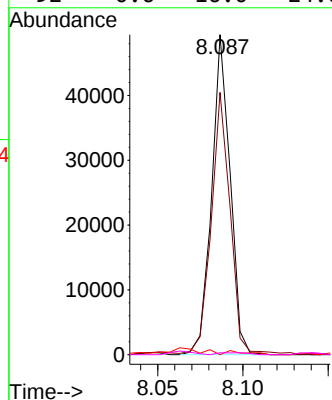
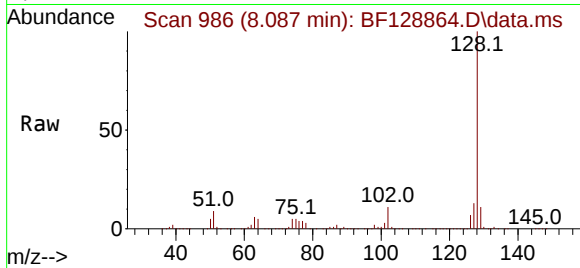




#33
4-Chloroaniline
Concen: 6.032 ng
RT: 8.087 min Scan# 91
Delta R.T. -0.059 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

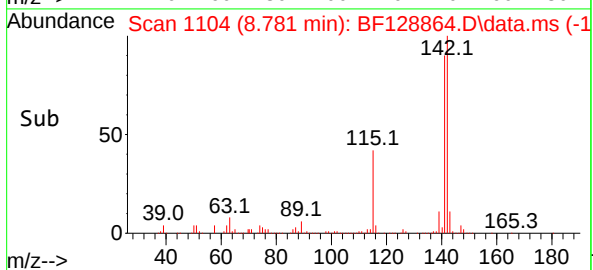
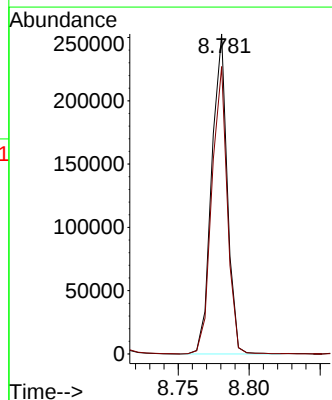
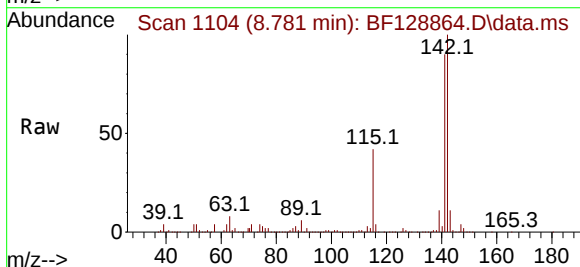
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

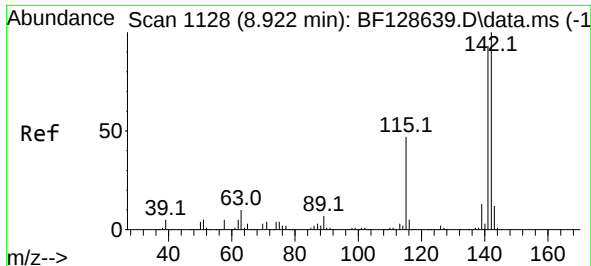
Tgt Ion:	127	Resp:	36984
Ion Ratio	Lower	Upper	
127	100		
129	81.9	26.4	39.6#
65	0.0	26.4	39.6#
92	0.6	16.0	24.0#



#37
2-Methylnaphthalene
Concen: 18.709 ng
RT: 8.781 min Scan# 1104
Delta R.T. 0.000 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:	142	Resp:	193510
Ion Ratio	Lower	Upper	
142	100		
141	89.8	71.0	106.4





#38

1-Methylnaphthalene

Concen: 15.344 ng

RT: 8.881 min Scan# 1121

Delta R.T. 0.000 min

Lab File: BF128864.D

Acq: 17 Jun 2022 20:11

Instrument :

BNA_F

ClientSampleId :

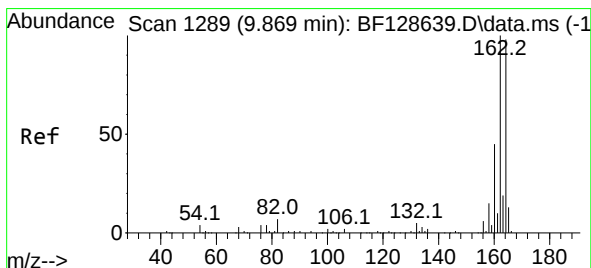
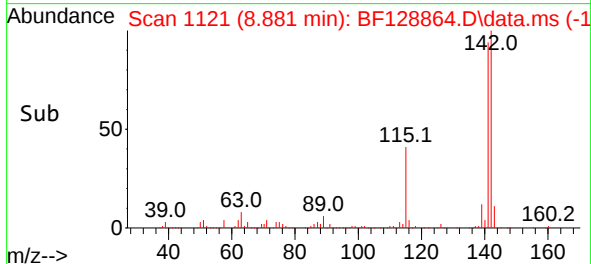
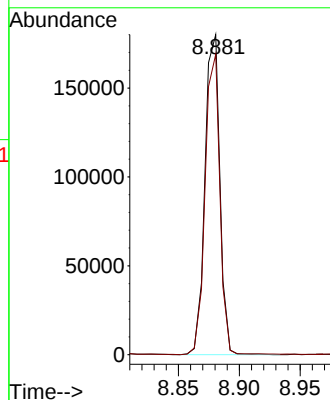
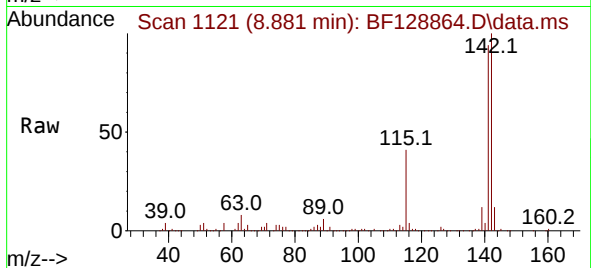
RB-03-(0-3.5)

Tgt Ion:142 Resp: 153336

Ion Ratio Lower Upper

142 100

141 93.8 74.2 111.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF128864.D

Acq: 17 Jun 2022 20:11

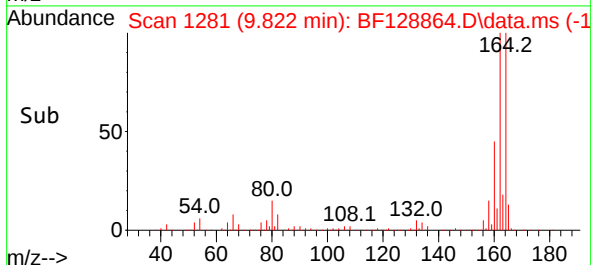
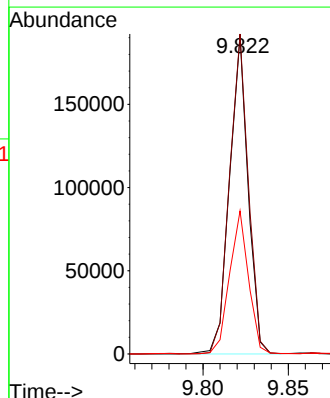
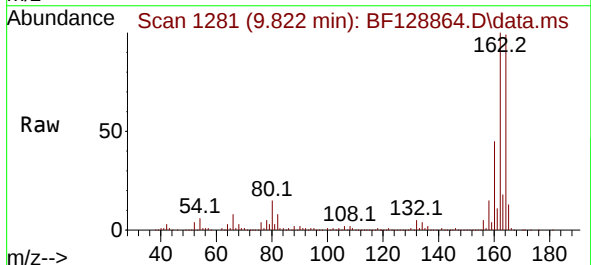
Tgt Ion:164 Resp: 144762

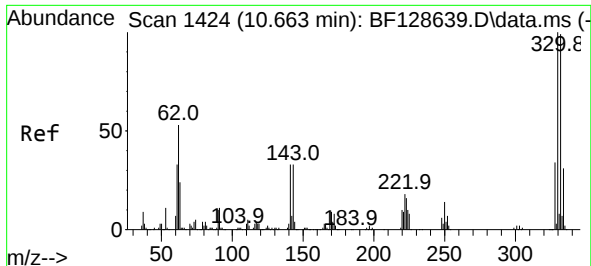
Ion Ratio Lower Upper

164 100

162 100.6 79.5 119.3

160 45.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 40.612 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF128864.D

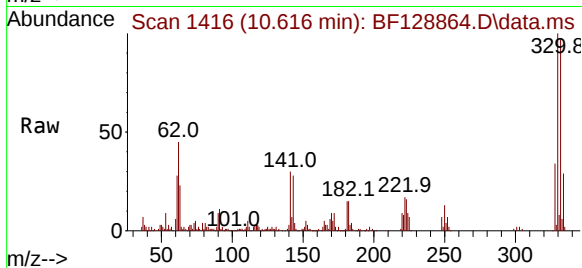
Acq: 17 Jun 2022 20:11

Instrument :

BNA_F

ClientSampleId :

RB-03-(0-3.5)



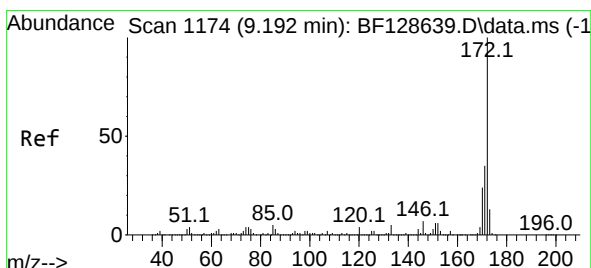
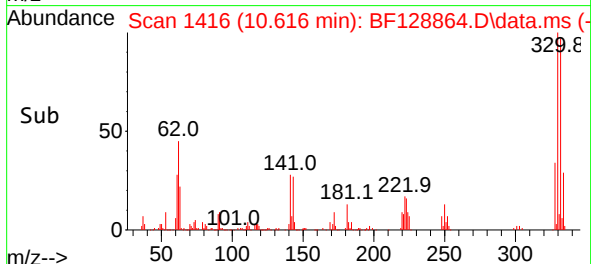
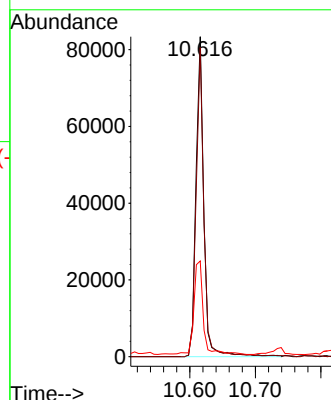
Tgt Ion:330 Resp: 69464

Ion Ratio Lower Upper

330 100

332 95.1 76.8 115.2

141 34.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 40.325 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF128864.D

Acq: 17 Jun 2022 20:11

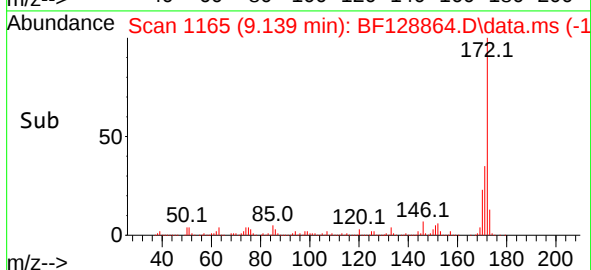
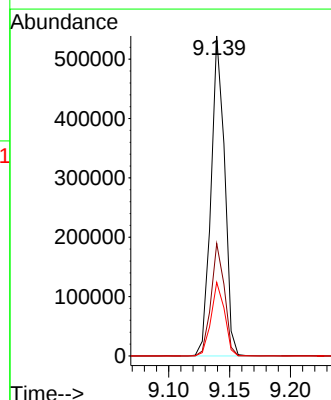
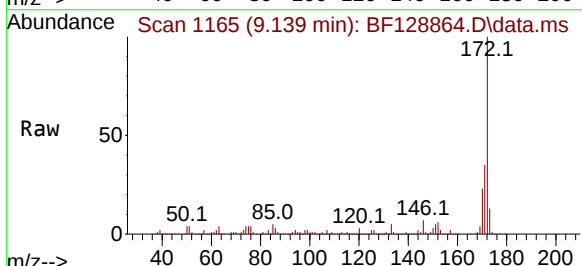
Tgt Ion:172 Resp: 416728

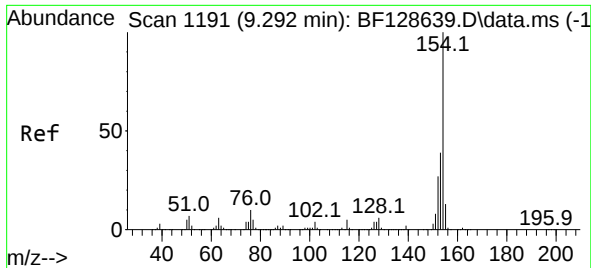
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.0 19.8 29.8

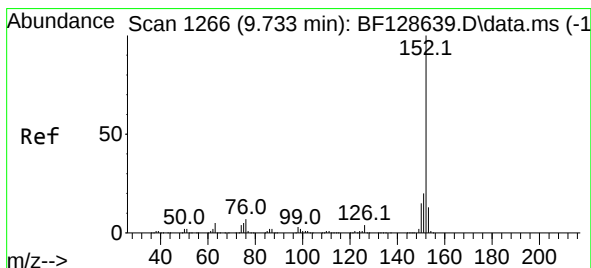
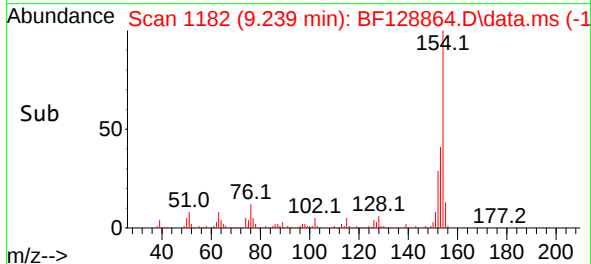
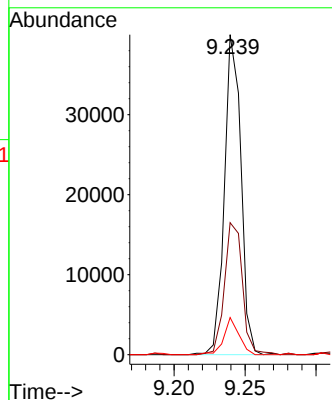
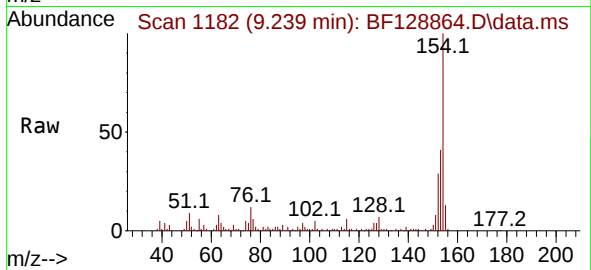




#46
1,1'-Biphenyl
Concen: 2.974 ng
RT: 9.239 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

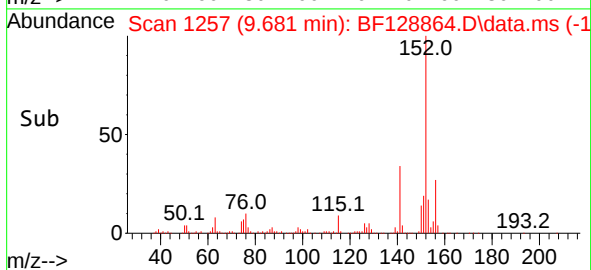
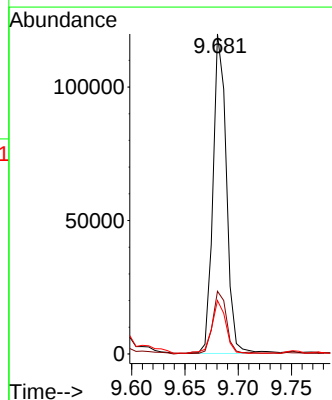
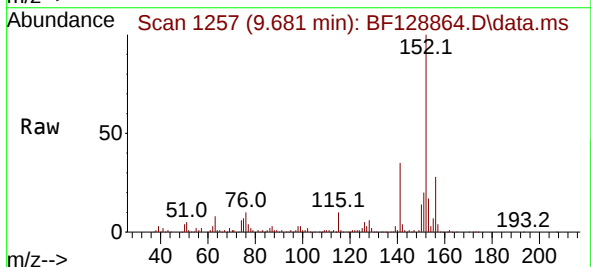
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

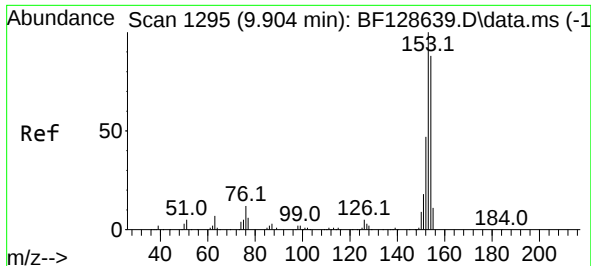
Tgt Ion:154 Resp: 32308
Ion Ratio Lower Upper
154 100
153 41.3 20.6 60.6
76 11.6 0.0 33.3



#49
Acenaphthylene
Concen: 8.304 ng
RT: 9.681 min Scan# 1257
Delta R.T. -0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:152 Resp: 105370
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.4
153 16.7 10.7 16.1#

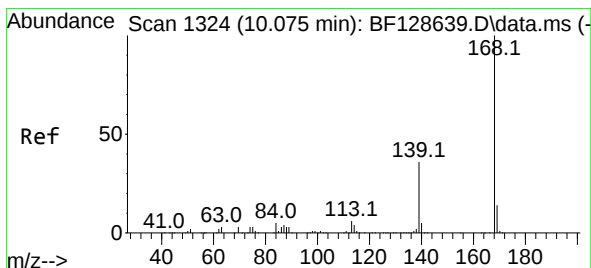
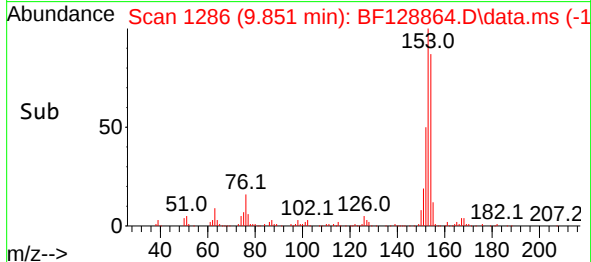
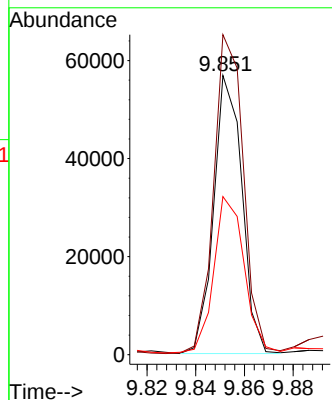
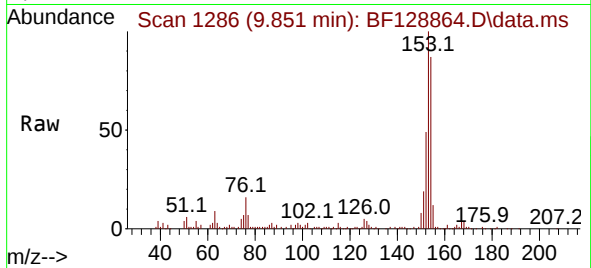




#52
Acenaphthene
Concen: 5.532 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

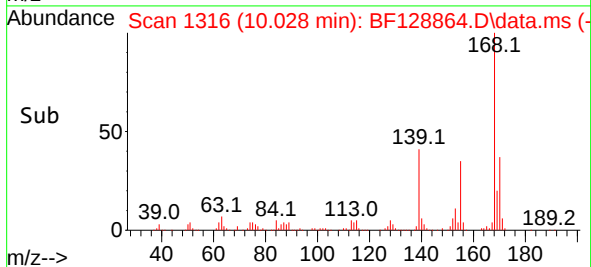
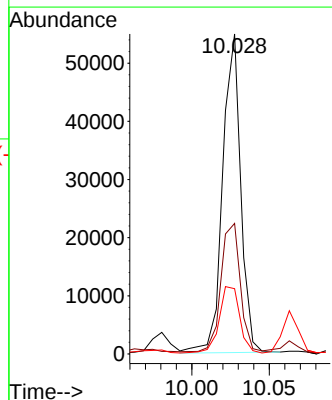
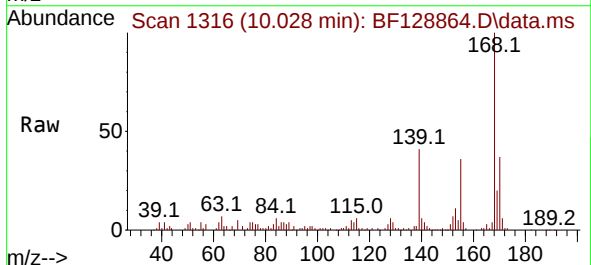
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

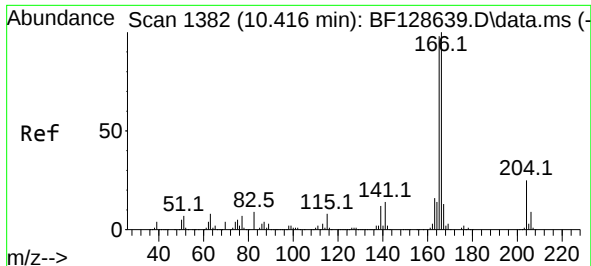
Tgt Ion:154 Resp: 45711
Ion Ratio Lower Upper
154 100
153 114.6 89.6 134.4
152 56.6 42.4 63.6



#55
Dibenzofuran
Concen: 3.738 ng
RT: 10.028 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:168 Resp: 44392
Ion Ratio Lower Upper
168 100
139 40.8 30.6 46.0
169 20.4 11.0 16.6#

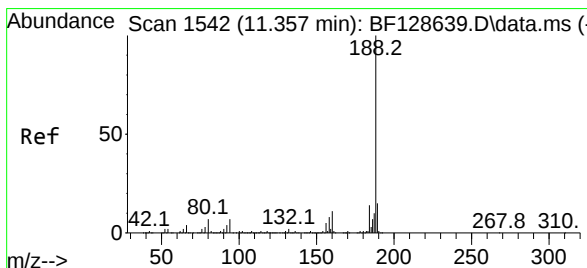
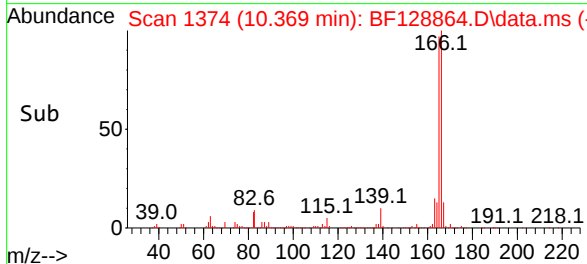
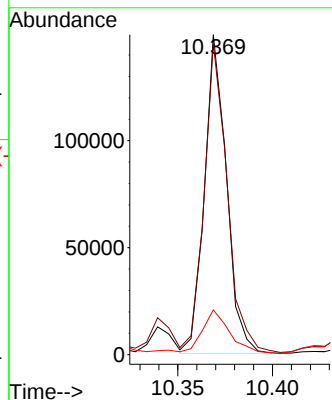
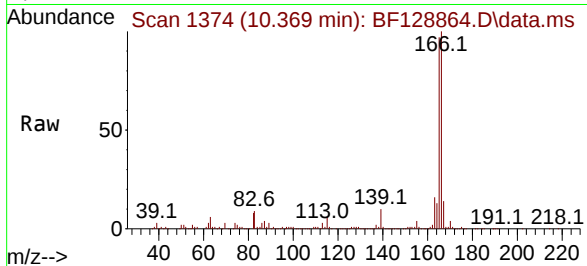




#58
Fluorene
Concen: 13.062 ng
RT: 10.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

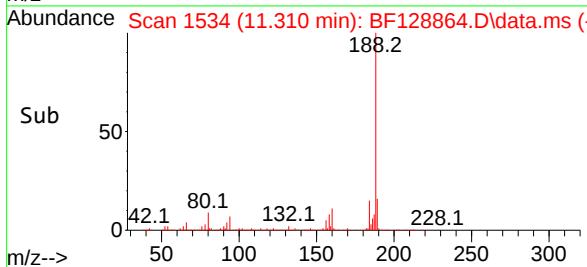
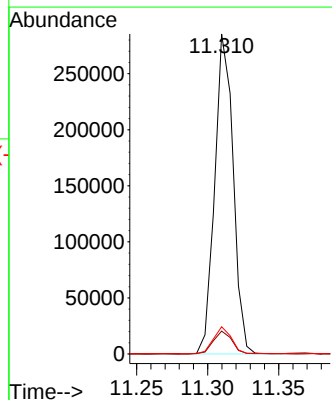
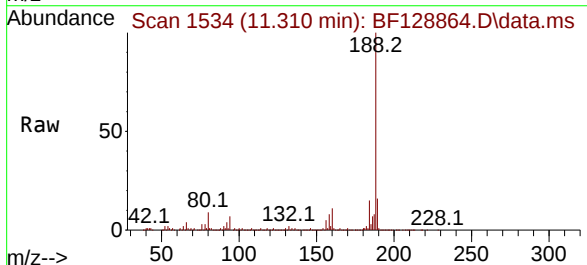
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

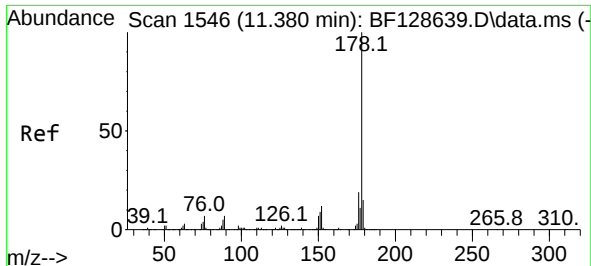
Tgt Ion:166 Resp: 120289
Ion Ratio Lower Upper
166 100
165 97.3 78.1 117.1
167 14.0 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:188 Resp: 257525
Ion Ratio Lower Upper
188 100
94 7.1 7.0 10.6
80 8.5 7.6 11.4

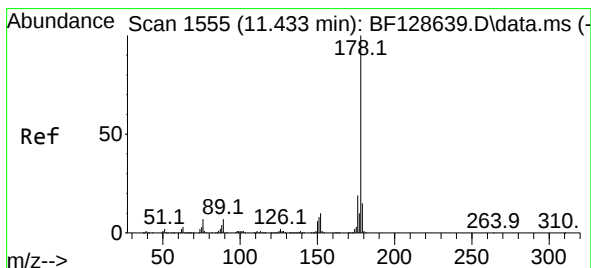
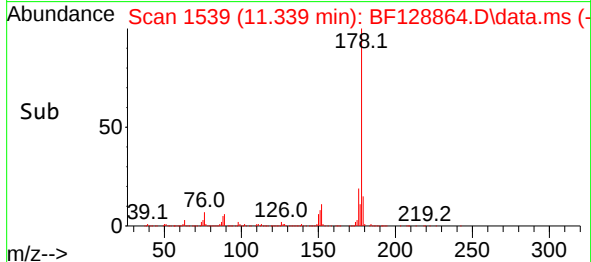
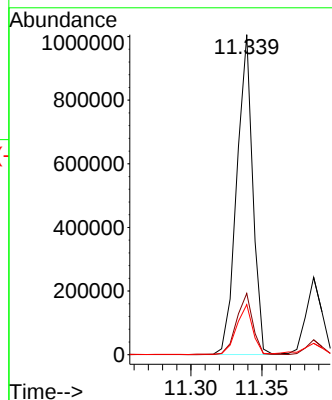
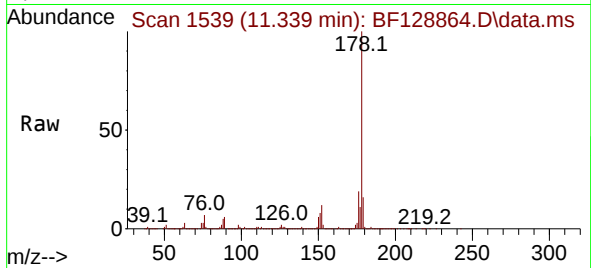




#71
Phenanthrene
Concen: 60.981 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

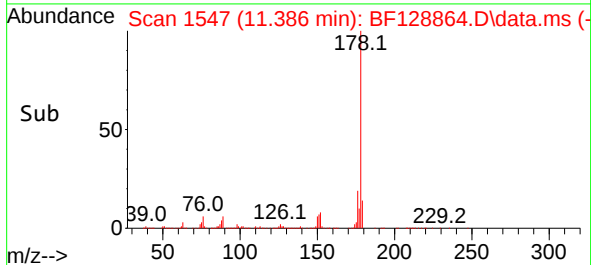
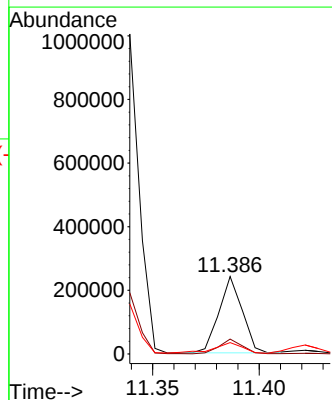
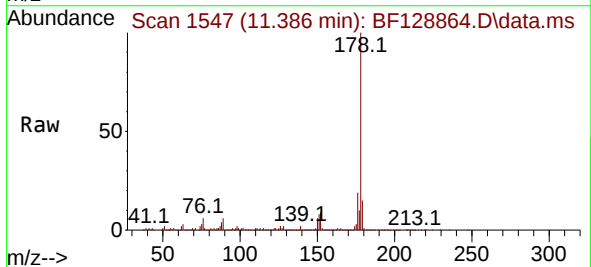
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

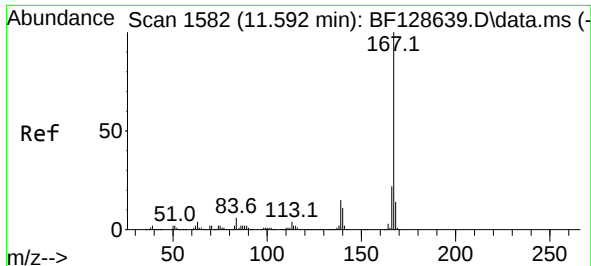
Tgt Ion:178 Resp: 787684
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.7 12.6 19.0



#72
Anthracene
Concen: 14.267 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:178 Resp: 182410
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 14.6 12.6 19.0

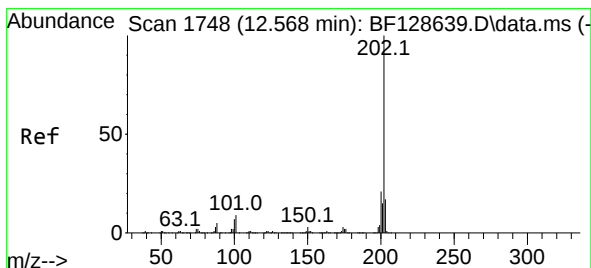
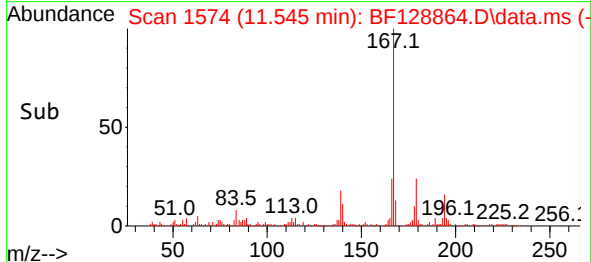
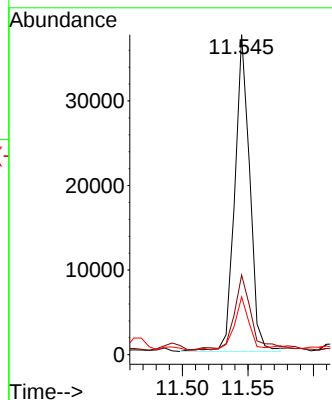
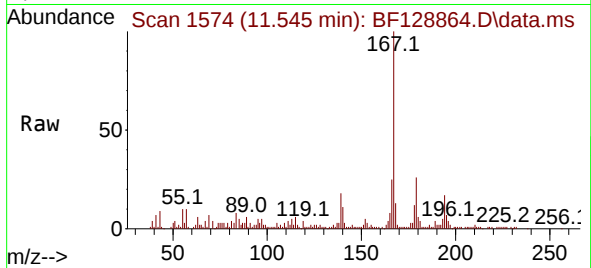




#73
 Carbazole
 Concen: 2.507 ng
 RT: 11.545 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128864.D
 Acq: 17 Jun 2022 20:11

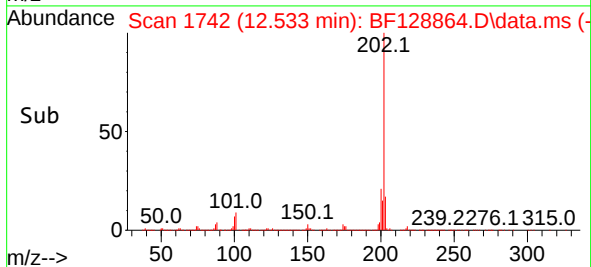
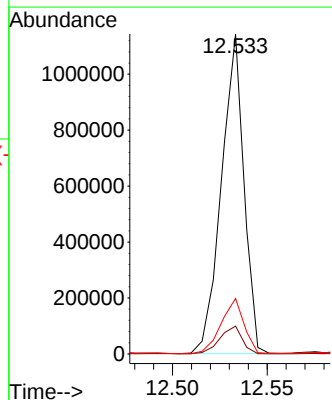
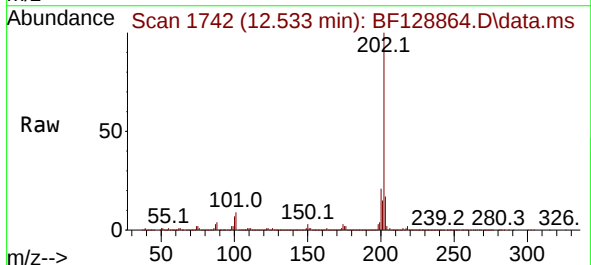
Instrument :
 BNA_F
 ClientSampleId :
 RB-03-(0-3.5)

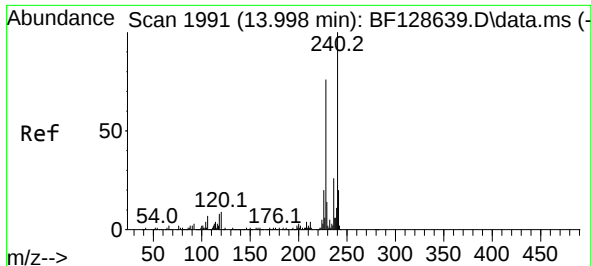
Tgt Ion:167 Resp: 29766
 Ion Ratio Lower Upper
 167 100
 166 24.9 17.7 26.5
 139 18.0 11.2 16.8#



#75
 Fluoranthene
 Concen: 70.082 ng
 RT: 12.533 min Scan# 1742
 Delta R.T. 0.006 min
 Lab File: BF128864.D
 Acq: 17 Jun 2022 20:11

Tgt Ion:202 Resp: 946245
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 31.4
 203 17.4 0.0 38.0

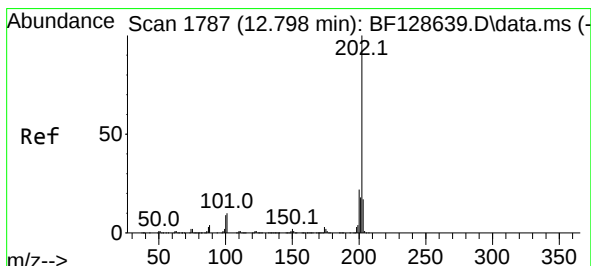
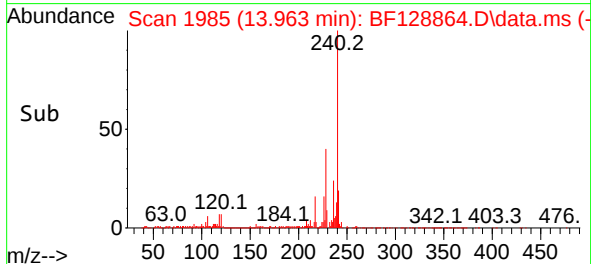
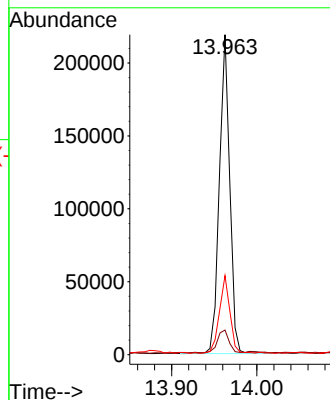
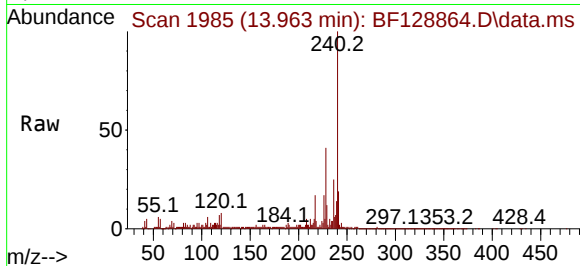




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

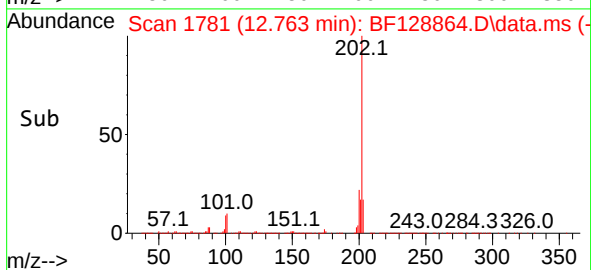
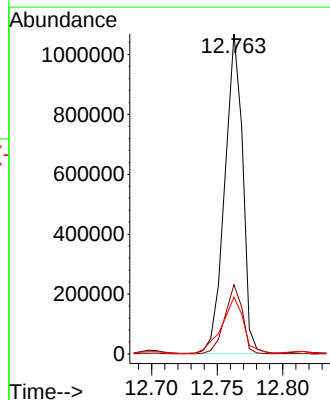
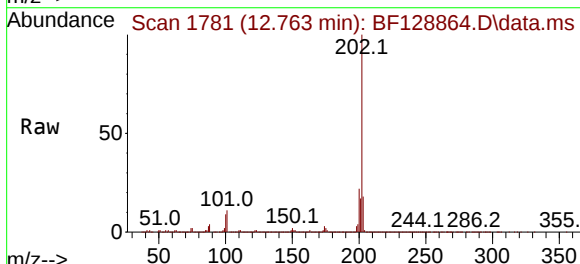
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

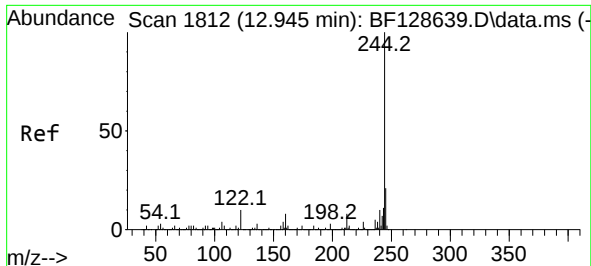
Tgt Ion:240 Resp: 185462
Ion Ratio Lower Upper
240 100
120 7.7 8.9 13.3#
236 24.7 20.8 31.2



#78
Pyrene
Concen: 73.378 ng
RT: 12.763 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:202 Resp: 1012489
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 17.7 14.6 21.8





#79

Terphenyl-d14

Concen: 39.227 ng

RT: 12.898 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF128864.D

Acq: 17 Jun 2022 20:11

Instrument :

BNA_F

ClientSampleId :

RB-03-(0-3.5)

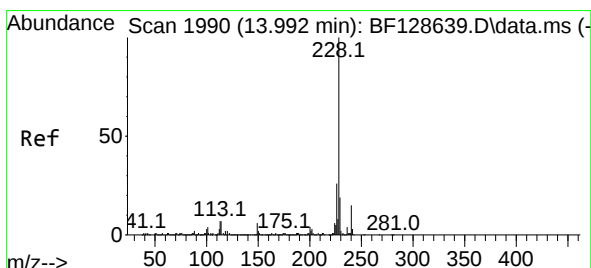
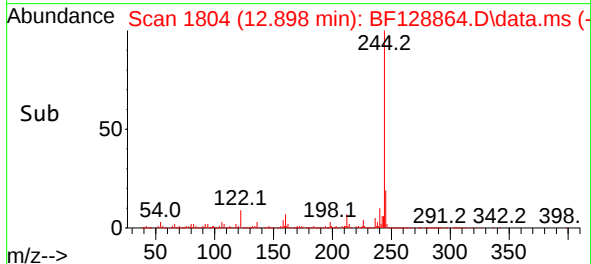
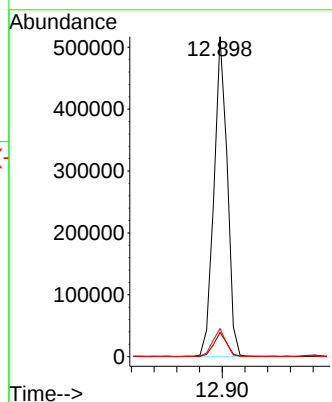
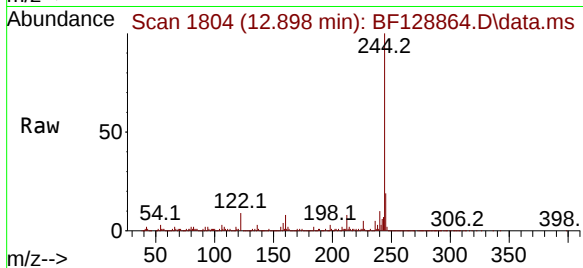
Tgt Ion:244 Resp: 418676

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 8.8 8.8 13.2#



#81

Benzo(a)anthracene

Concen: 36.838 ng

RT: 13.951 min Scan# 1983

Delta R.T. 0.000 min

Lab File: BF128864.D

Acq: 17 Jun 2022 20:11

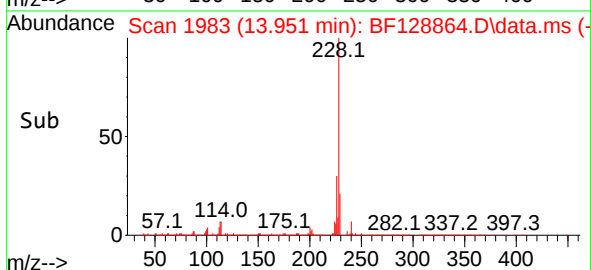
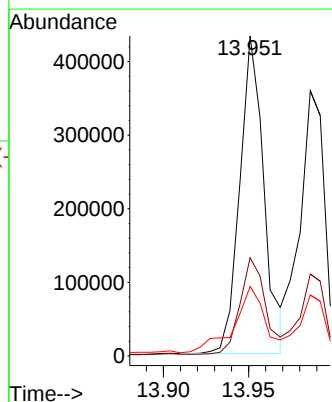
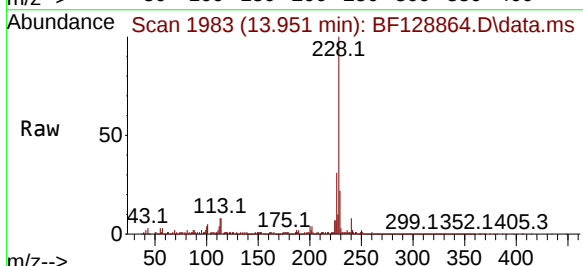
Tgt Ion:228 Resp: 425862

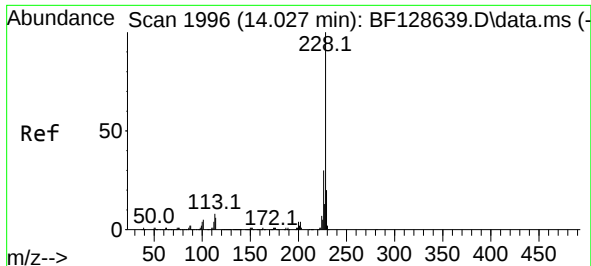
Ion Ratio Lower Upper

228 100

226 30.7 22.1 33.1

229 21.7 15.8 23.8

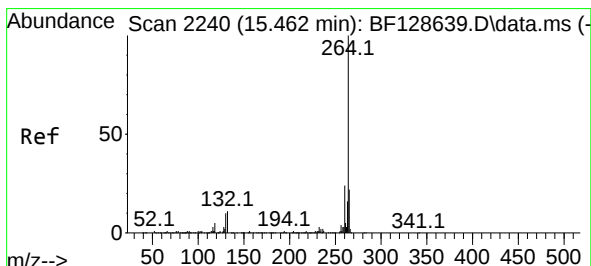
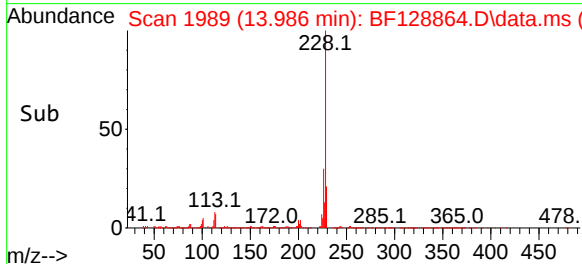
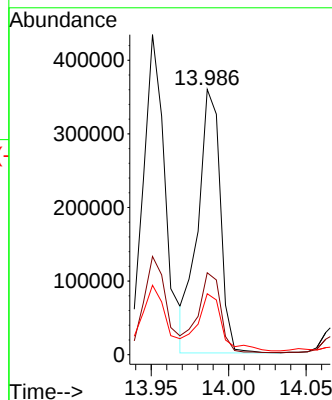
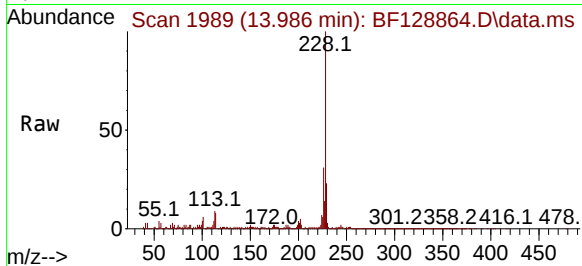




#83
Chrysene
Concen: 32.782 ng
RT: 13.986 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

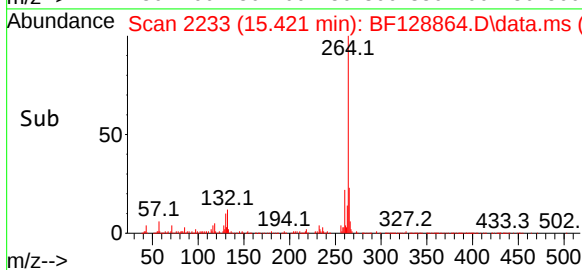
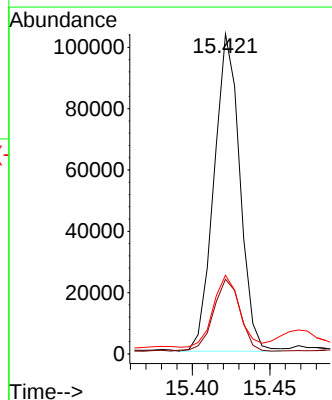
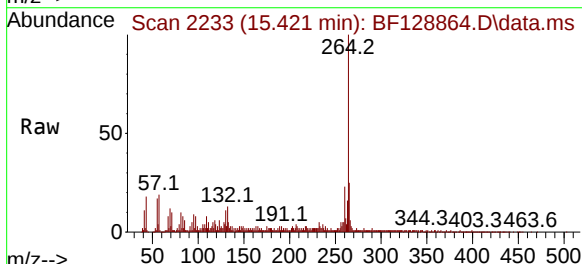
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

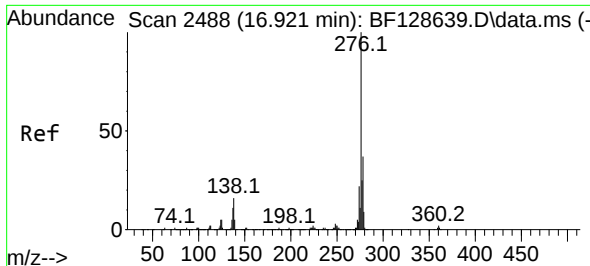
Tgt Ion:228 Resp: 361308
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 23.0 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2233
Delta R.T. 0.006 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:264 Resp: 119892
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 24.6 17.2 25.8

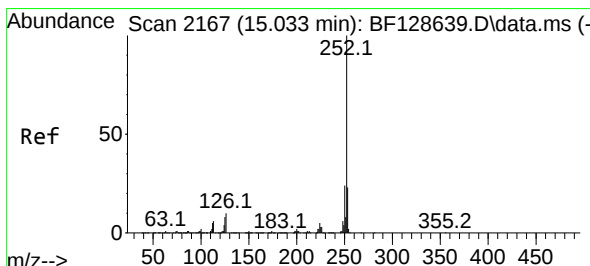
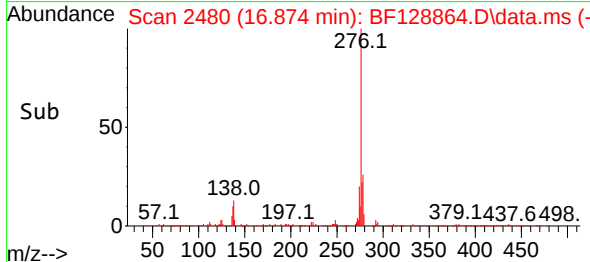
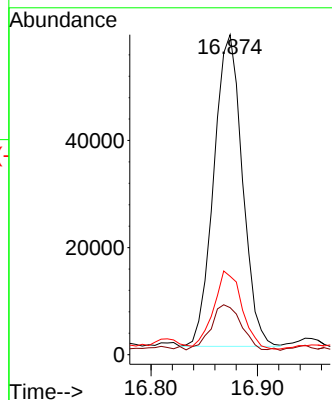
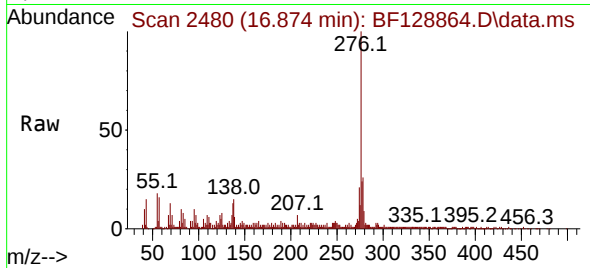




#87
Indeno(1,2,3-cd)pyrene
Concen: 15.020 ng
RT: 16.874 min Scan# 2488
Delta R.T. 0.012 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

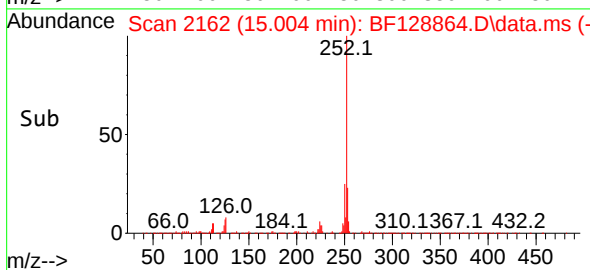
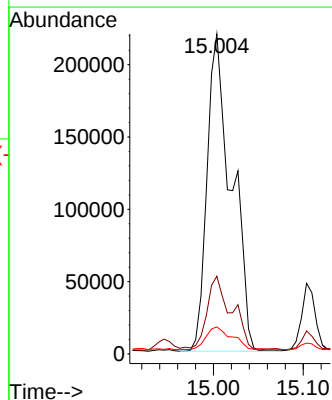
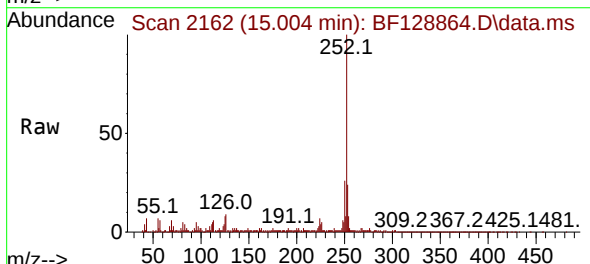
Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

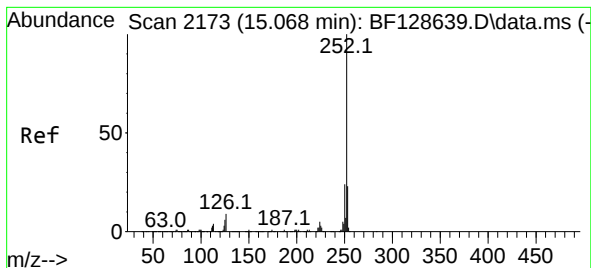
Tgt Ion:276 Resp: 108538
Ion Ratio Lower Upper
276 100
138 15.6 21.1 31.7#
277 24.8 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 54.072 ng
RT: 15.004 min Scan# 2162
Delta R.T. 0.012 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:252 Resp: 414243
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 8.5 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 57.481 ng

RT: 15.004 min Scan# 2173

Delta R.T. -0.024 min

Lab File: BF128864.D

Acq: 17 Jun 2022 20:11

Instrument :

BNA_F

ClientSampleId :

RB-03-(0-3.5)

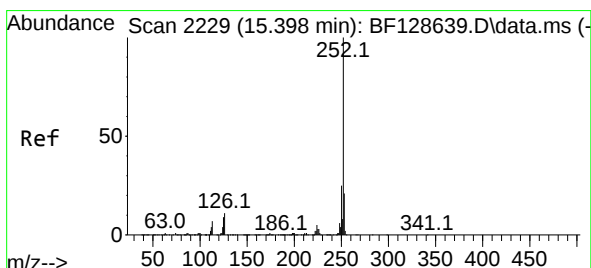
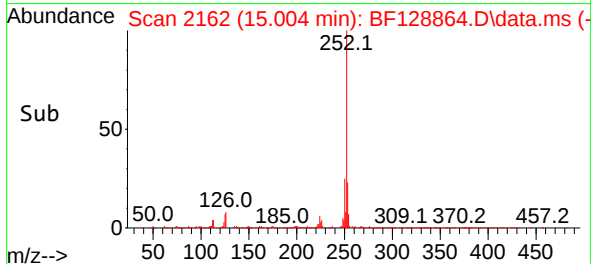
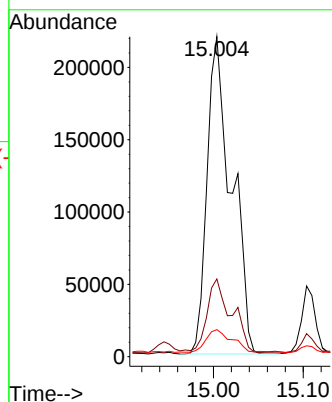
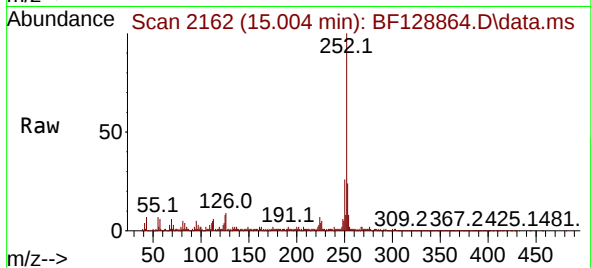
Tgt Ion:252 Resp: 414243

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

125 8.5 8.3 12.5



#90

Benzo(a)pyrene

Concen: 37.336 ng

RT: 15.363 min Scan# 2223

Delta R.T. 0.006 min

Lab File: BF128864.D

Acq: 17 Jun 2022 20:11

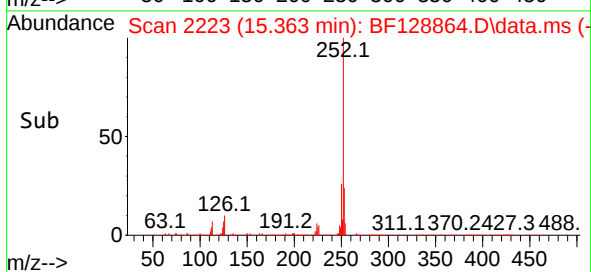
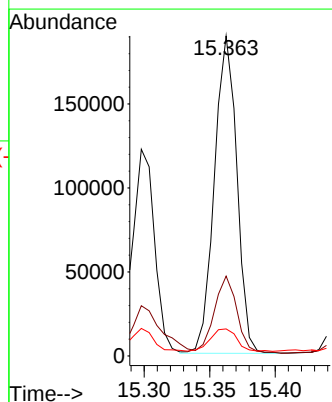
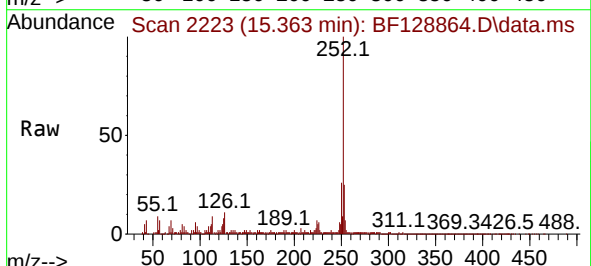
Tgt Ion:252 Resp: 224808

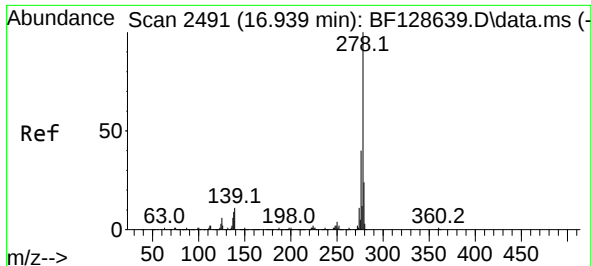
Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.6

125 8.5 8.8 13.2#

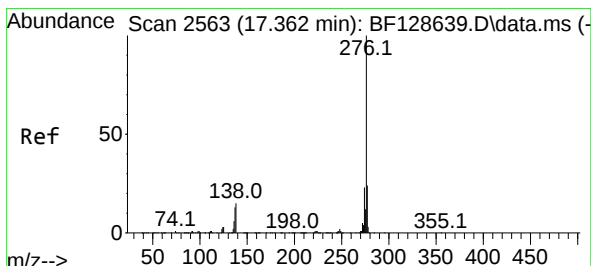
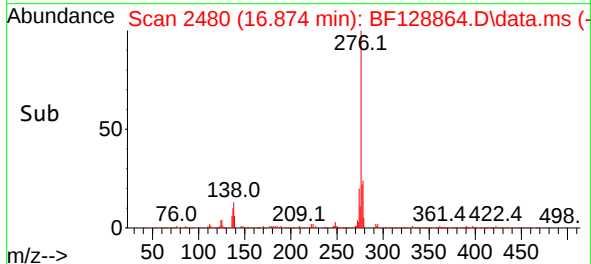
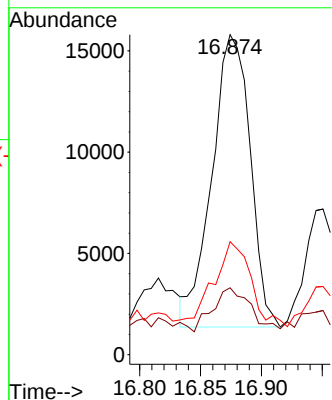
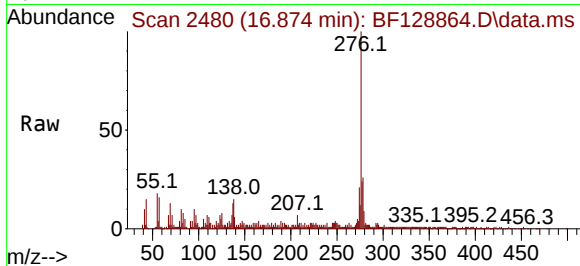




#91
Dibenzo(a,h)anthracene
Concen: 5.258 ng
RT: 16.874 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Instrument :
BNA_F
ClientSampleId :
RB-03-(0-3.5)

Tgt Ion:278 Resp: 31514
Ion Ratio Lower Upper
278 100
139 20.9 12.8 19.2#
279 35.3 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 17.732 ng
RT: 17.315 min Scan# 2555
Delta R.T. 0.018 min
Lab File: BF128864.D
Acq: 17 Jun 2022 20:11

Tgt Ion:276 Resp: 105341
Ion Ratio Lower Upper
276 100
277 25.6 19.1 28.7
138 17.0 18.0 27.0#

