

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052722\
 Data File : BF128507.D
 Acq On : 27 May 2022 13:39
 Operator : CG\JU
 Sample : N3056-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

Quant Time: May 27 23:18:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 27 01:51:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	194710	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	694264	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	425947	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	783057	20.000	ng	0.00
76) Chrysene-d12	14.004	240	474507	20.000	ng	0.00
86) Perylene-d12	15.468	264	393683	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	576123	49.011	ng	0.00
7) Phenol-d6	6.469	99	644027	42.970	ng	0.00
23) Nitrobenzene-d5	7.416	82	1166885	96.959	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	600666	148.155	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	2232276	85.143	ng	0.00
79) Terphenyl-d14	12.957	244	2414583	98.310	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.404	77	212834	28.517	ng	# 1
18) Hexachloroethane	7.381	117	609243	123.305	ng	# 1
20) 3+4-Methylphenols	7.245	107	31776	2.535	ng	# 1
22) Acetophenone	7.239	105	878375	54.870	ng	# 60
24) Nitrobenzene	7.416	77	99273	8.344	ng	# 1
25) Isophorone	7.416	82	1153337	51.950	ng	# 66
27) 2,4-Dimethylphenol	7.781	122	156191	15.802	ng	97
31) Naphthalene	8.157	128	5761041	169.543	ng	94
32) Benzoic acid	7.892	122	80650	11.543	ng	# 81
33) 4-Chloroaniline	8.163	127	879125	64.978	ng	# 34
36) 4-Chloro-3-methylphenol	8.645	107	34950	3.326	ng	# 38
37) 2-Methylnaphthalene	8.839	142	1144298	53.352	ng	99
38) 1-Methylnaphthalene	8.939	142	956363	45.846	ng	98
48) 2-Nitroaniline	9.451	65	215118	32.949	ng	# 28
51) 2,6-Dinitrotoluene	9.627	165	67205	13.272	ng	# 1
54) 2,4-Dinitrophenol	9.922	184	211	6.894	ng	# 1
58) Fluorene	10.427	166	60423	2.542	ng	98
65) 4,6-Dinitro-2-methylph...	10.474	198	284	5.571	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	39333	4.862	ng	# 1
71) Phenanthrene	11.386	178	109403	2.949	ng	98
73) Carbazole	11.592	167	222603	6.269	ng	99
77) Benzidine	12.957	184	34082	3.114	ng	# 93

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

BNA F

ClientSampleId :

MW-02

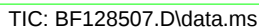
Quant Time: May 27 23:18:08 2022

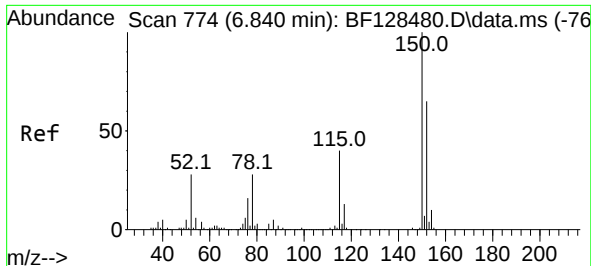
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052622.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri May 27 01:51:59 2022

Response via : Initial Calibration

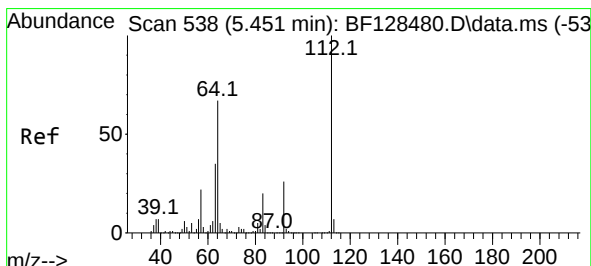
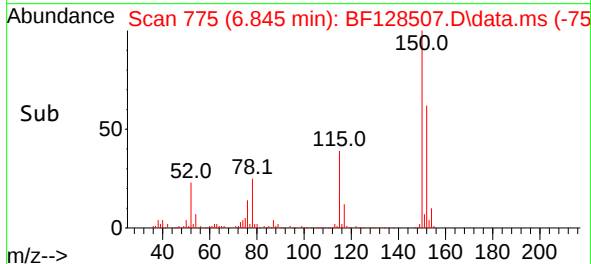
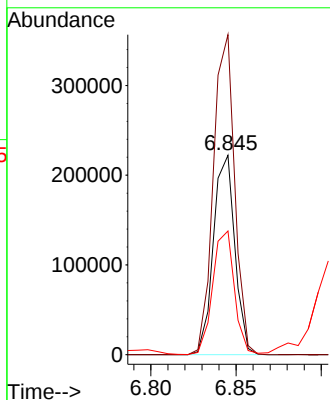
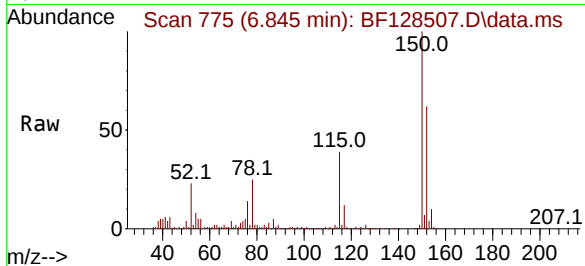




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 71
 Delta R.T. 0.005 min
 Lab File: BF128507.D
 Acq: 27 May 2022 13:39

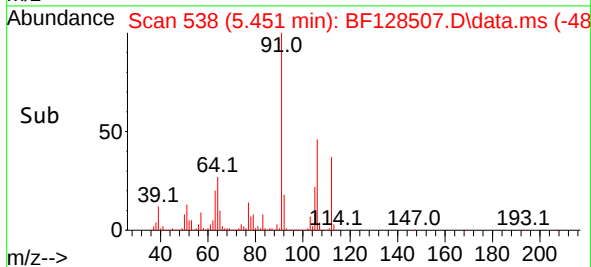
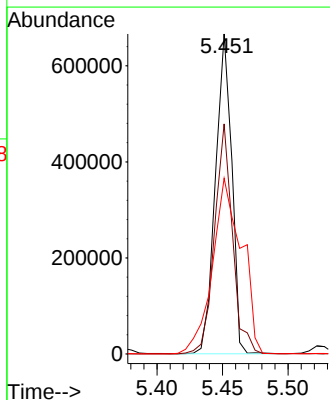
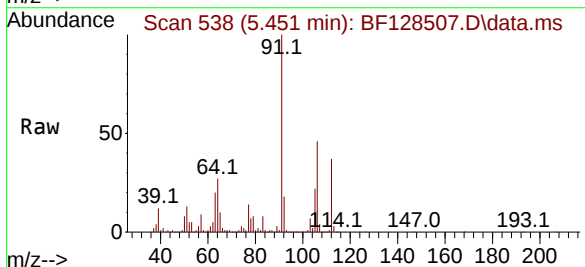
Instrument :
 BNA_F
 ClientSampleId :
 MW-02

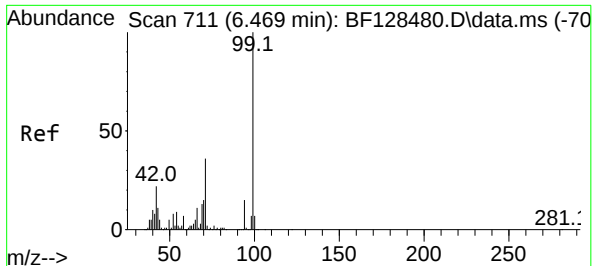
Tgt Ion:152 Resp: 194710
 Ion Ratio Lower Upper
 152 100
 150 160.5 123.7 185.5
 115 62.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 49.011 ng
 RT: 5.451 min Scan# 538
 Delta R.T. -0.000 min
 Lab File: BF128507.D
 Acq: 27 May 2022 13:39

Tgt Ion:112 Resp: 576123
 Ion Ratio Lower Upper
 112 100
 64 71.9 53.3 79.9
 63 54.9 28.0 42.0#





#7
Phenol-d6
Concen: 42.970 ng
RT: 6.469 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

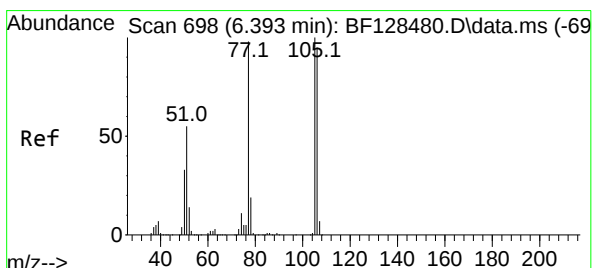
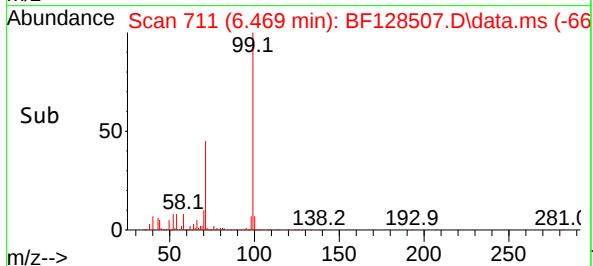
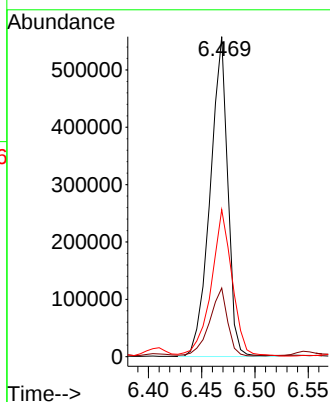
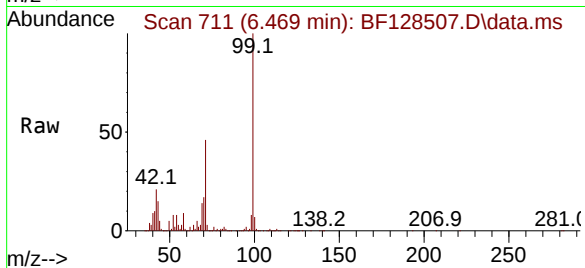
Instrument :

BNA_F

ClientSampleId :

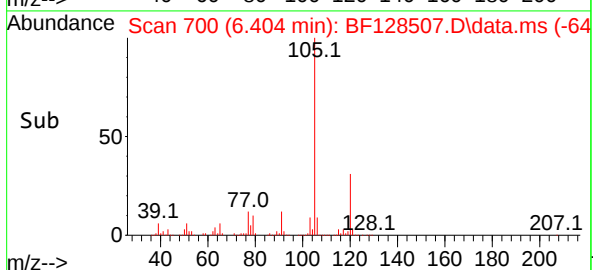
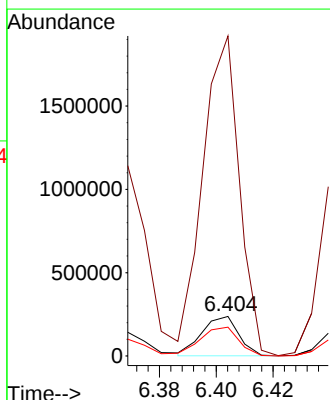
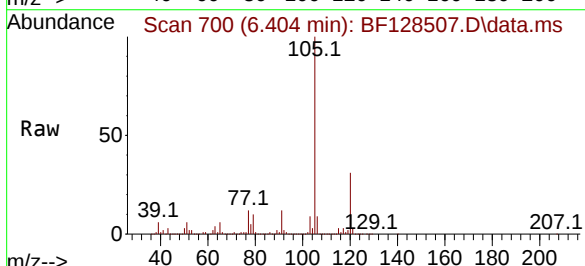
MW-02

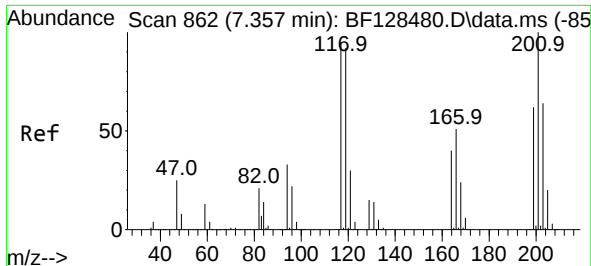
Tgt Ion: 99 Resp: 644027
Ion Ratio Lower Upper
99 100
42 21.5 17.3 25.9
71 46.0 28.9 43.3#



#9
Benzaldehyde
Concen: 28.517 ng
RT: 6.404 min Scan# 700
Delta R.T. 0.011 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

Tgt Ion: 77 Resp: 212834
Ion Ratio Lower Upper
77 100
105 808.8 81.6 121.6#
106 72.6 76.1 116.1#





#18

Hexachloroethane

Concen: 123.305 ng

RT: 7.381 min Scan# 80

Delta R.T. 0.023 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

Instrument :

BNA_F

ClientSampleId :

MW-02

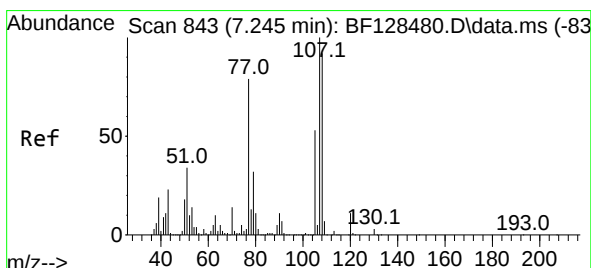
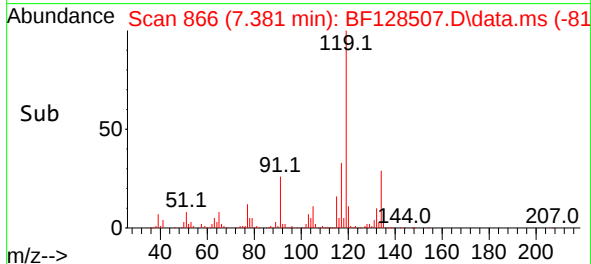
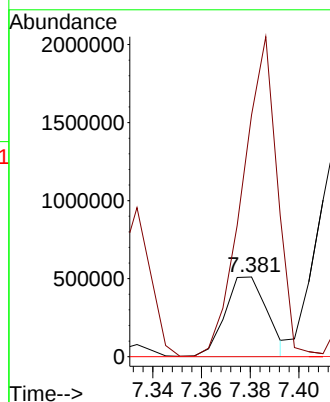
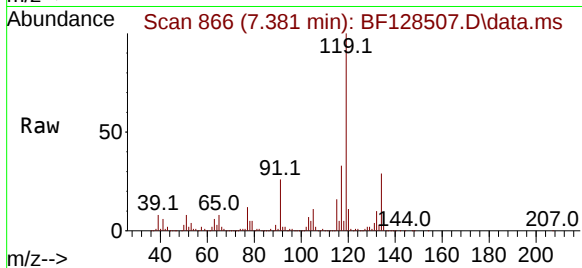
Tgt Ion:117 Resp: 609243

Ion Ratio Lower Upper

117 100

119 303.2 77.4 116.2#

201 0.0 84.6 127.0#



#20

3+4-Methylphenols

Concen: 2.535 ng

RT: 7.245 min Scan# 843

Delta R.T. -0.000 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

Tgt Ion:107 Resp: 31776

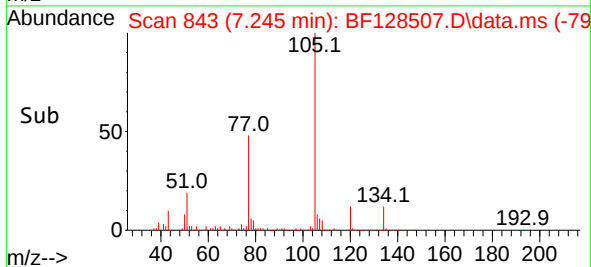
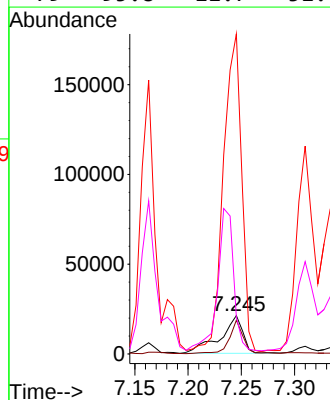
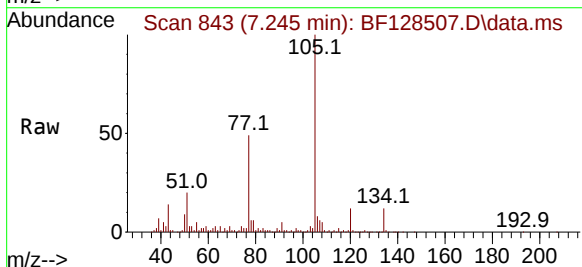
Ion Ratio Lower Upper

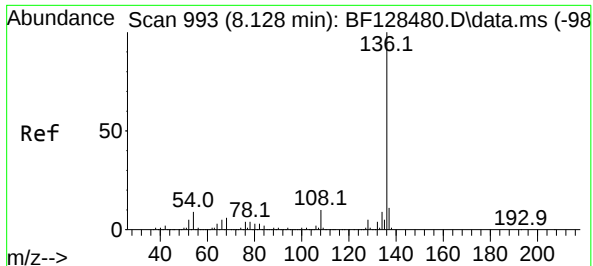
107 100

108 88.0 71.8 111.8

77 832.6 59.3 99.3#

79 95.8 11.7 51.7#

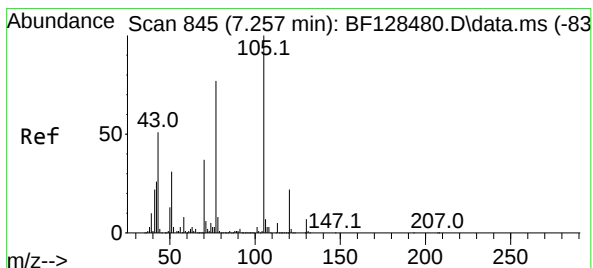
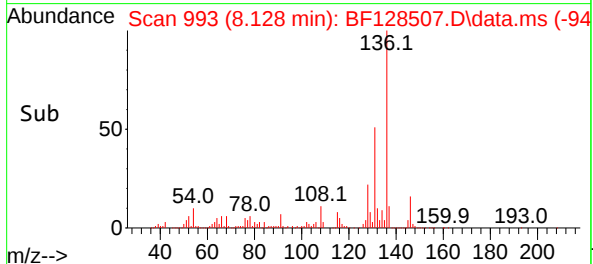
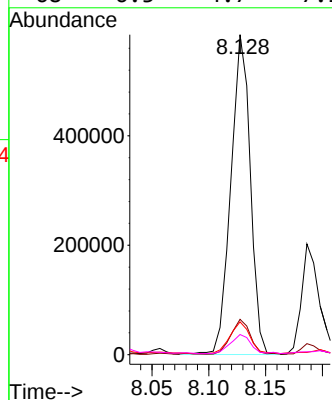
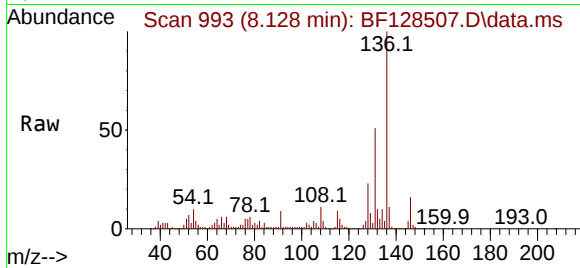




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

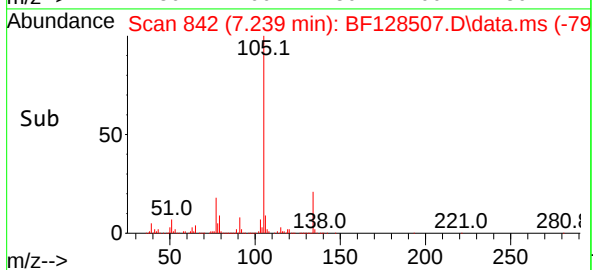
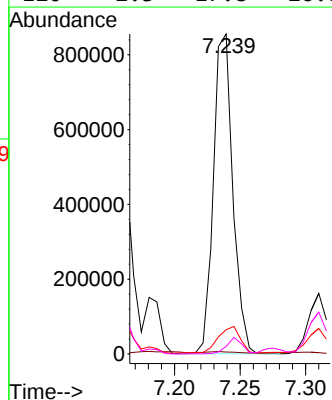
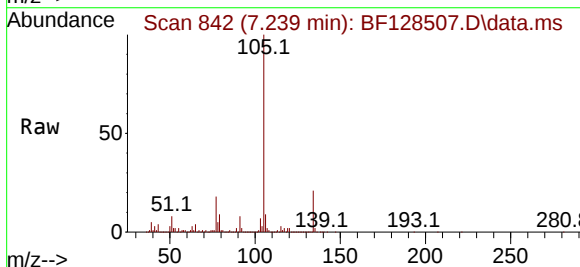
Instrument :
BNA_F
ClientSampleId :
MW-02

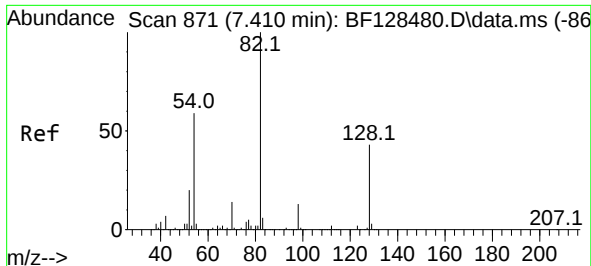
Tgt Ion:136 Resp: 694264
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.3 7.5 11.3
68 6.3 4.7 7.1



#22
Acetophenone
Concen: 54.870 ng
RT: 7.239 min Scan# 842
Delta R.T. -0.018 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

Tgt Ion:105 Resp: 878375
Ion Ratio Lower Upper
105 100
71 0.6 5.0 7.4#
51 7.5 25.0 37.4#
120 2.3 17.8 26.8#





#23

Nitrobenzene-d5

Concen: 96.959 ng

RT: 7.416 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

Instrument :

BNA_F

ClientSampleId :

MW-02

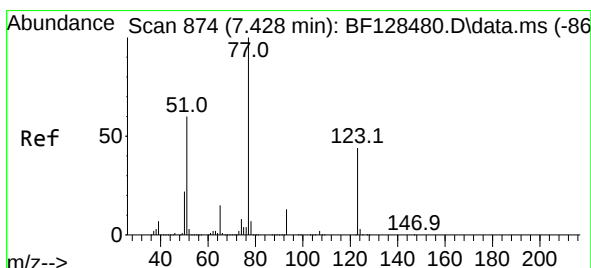
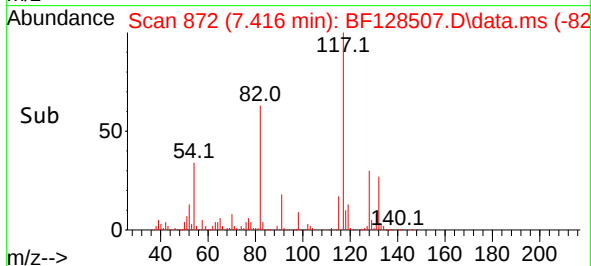
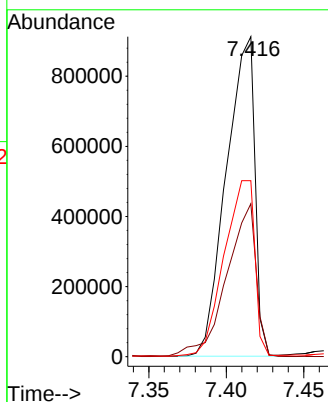
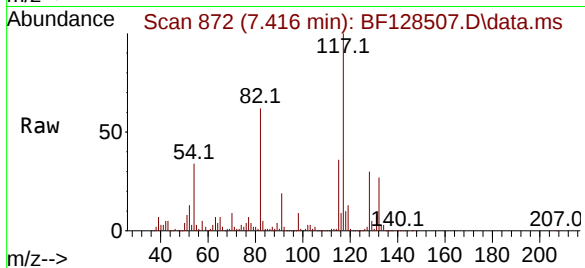
Tgt Ion: 82 Resp: 1166885

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

54 55.0 46.9 70.3



#24

Nitrobenzene

Concen: 8.344 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.012 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

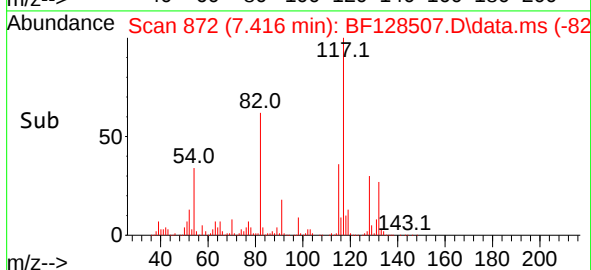
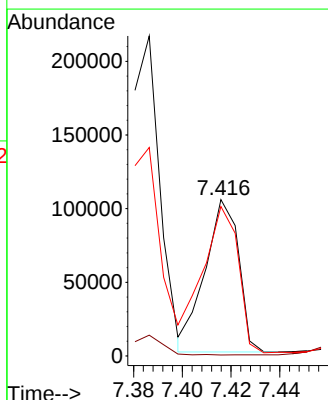
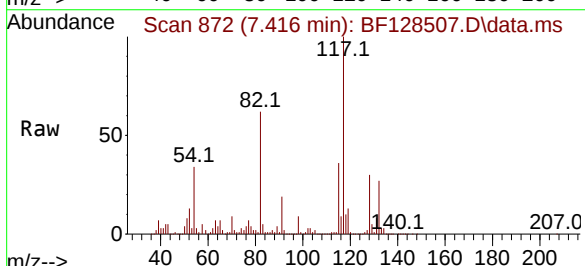
Tgt Ion: 77 Resp: 99273

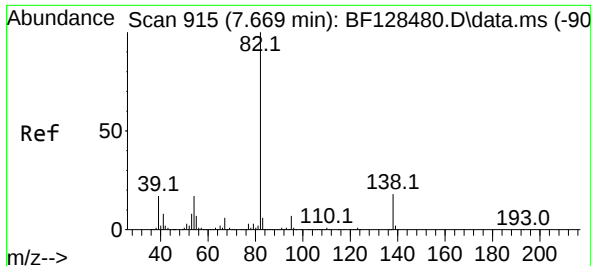
Ion Ratio Lower Upper

77 100

123 0.6 35.4 53.2#

65 95.6 11.8 17.8#

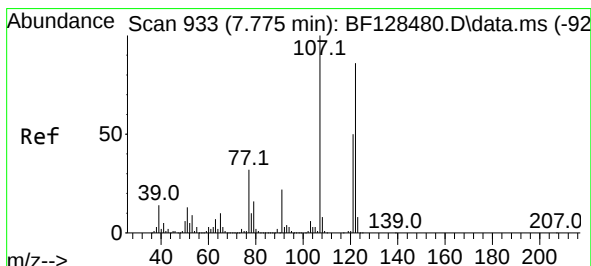
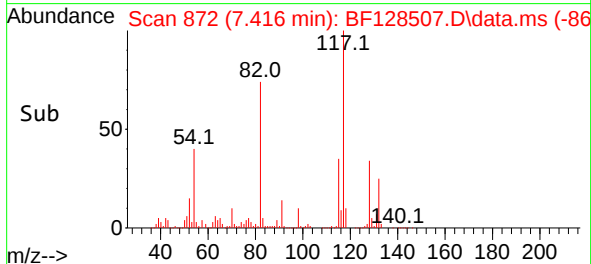
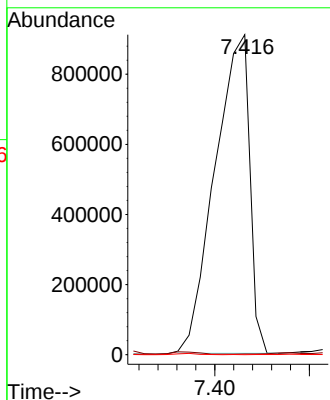
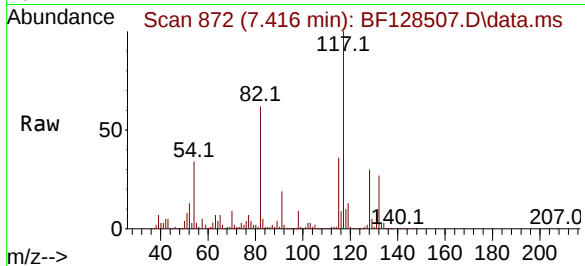




#25
Isophorone
Concen: 51.950 ng
RT: 7.416 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

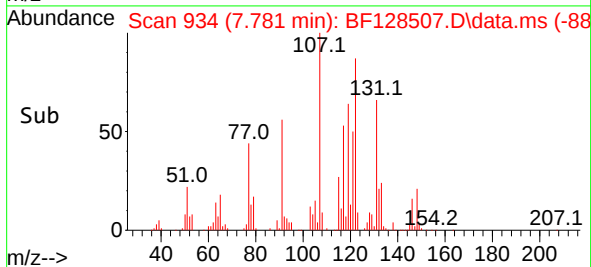
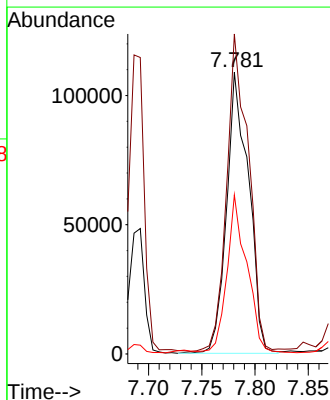
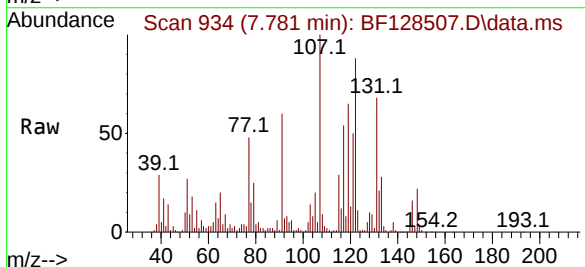
Instrument :
BNA_F
ClientSampleId :
MW-02

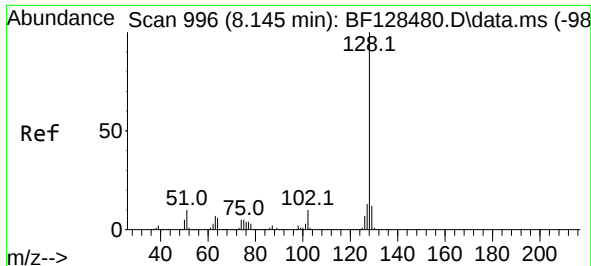
Tgt Ion: 82 Resp: 1153337
Ion Ratio Lower Upper
82 100
95 0.2 5.7 8.5#
138 0.0 14.2 21.2#



#27
2,4-Dimethylphenol
Concen: 15.802 ng
RT: 7.781 min Scan# 934
Delta R.T. 0.006 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

Tgt Ion:122 Resp: 156191
Ion Ratio Lower Upper
122 100
107 113.6 93.0 139.6
121 56.4 46.6 70.0

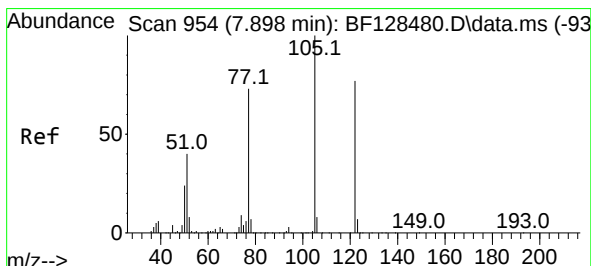
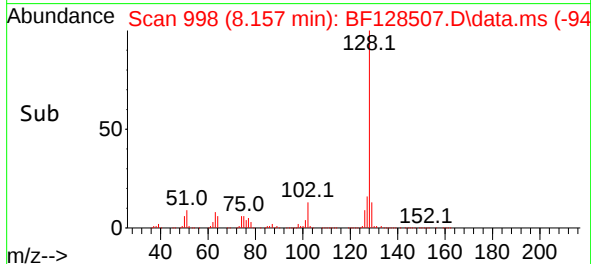
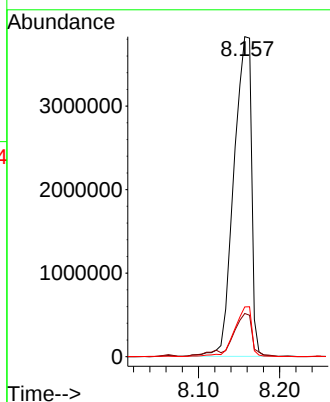
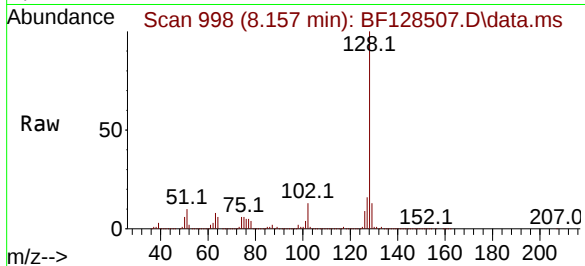




#31
Naphthalene
Concen: 169.543 ng
RT: 8.157 min Scan# 996
Delta R.T. 0.012 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

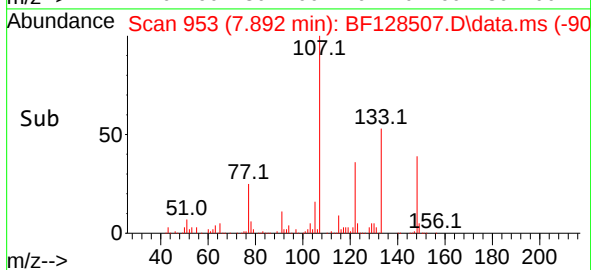
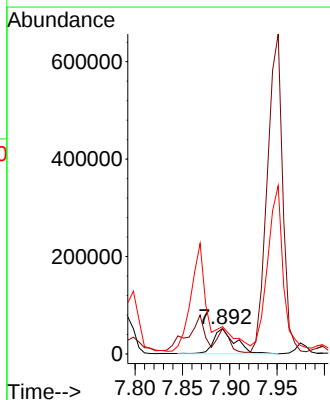
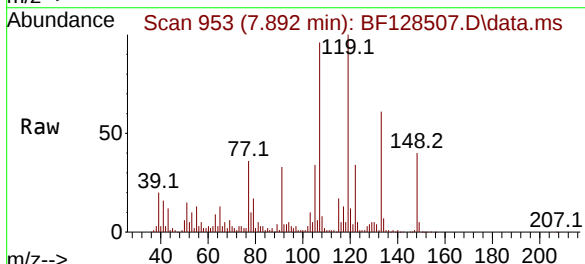
Instrument :
BNA_F
ClientSampleId :
MW-02

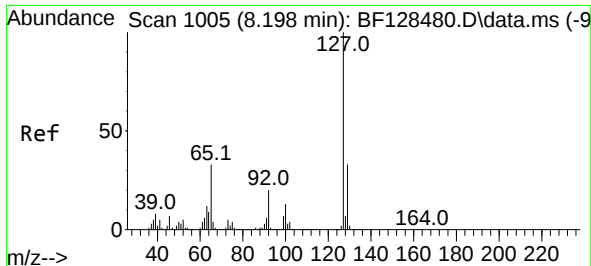
Tgt Ion:128 Resp: 5761041
Ion Ratio Lower Upper
128 100
129 13.5 9.2 13.8
127 15.6 10.5 15.7



#32
Benzoic acid
Concen: 11.543 ng
RT: 7.892 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

Tgt Ion:122 Resp: 80650
Ion Ratio Lower Upper
122 100
105 100.9 107.1 147.1#
77 107.3 74.2 114.2

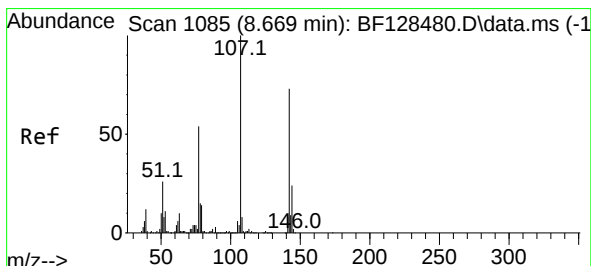
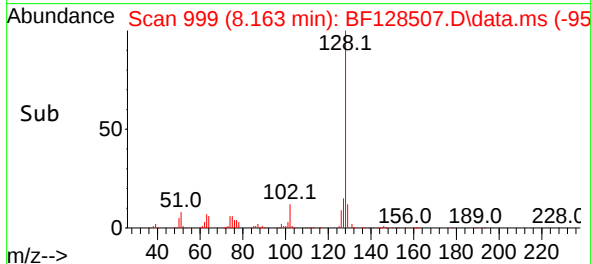
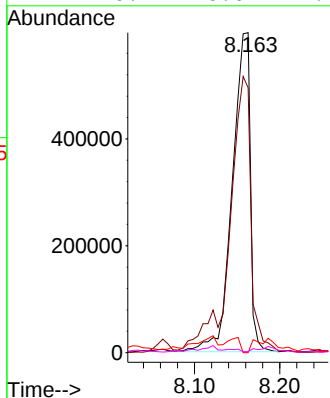
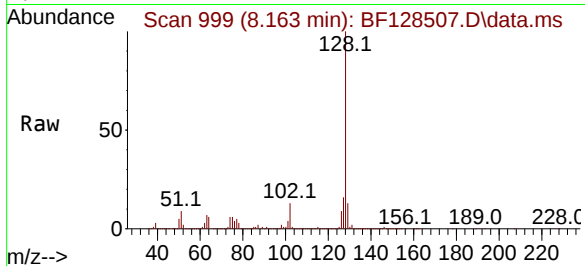




#33
4-Chloroaniline
Concen: 64.978 ng
RT: 8.163 min Scan# 91
Delta R.T. -0.035 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

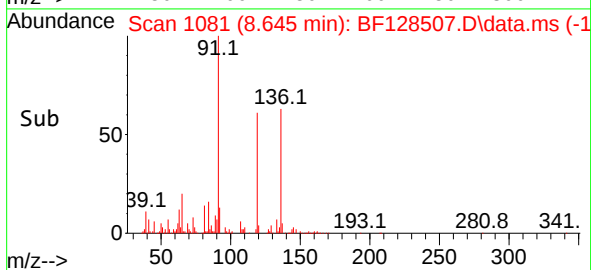
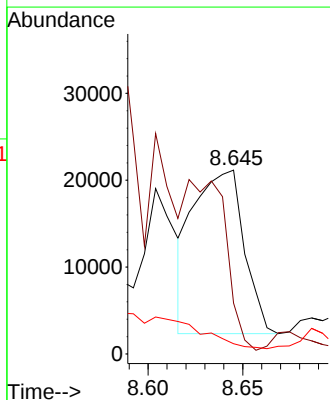
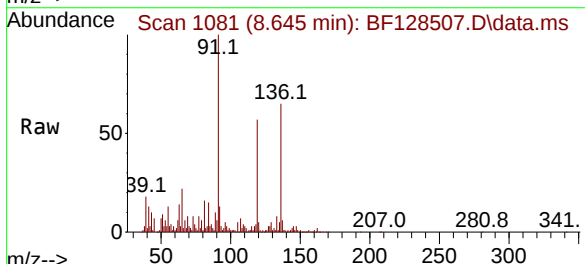
Instrument :
BNA_F
ClientSampleId :
MW-02

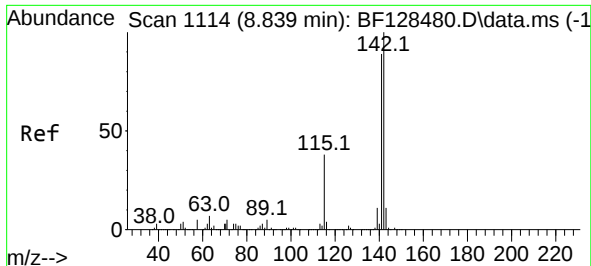
Tgt Ion:127 Resp: 879125
Ion Ratio Lower Upper
127 100
129 82.8 26.4 39.6#
65 0.0 26.4 39.6#
92 0.4 16.0 24.0#



#36
4-Chloro-3-methylphenol
Concen: 3.326 ng
RT: 8.645 min Scan# 1081
Delta R.T. -0.024 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

Tgt Ion:107 Resp: 34950
Ion Ratio Lower Upper
107 100
144 27.7 19.5 29.3
142 5.6 58.2 87.4#

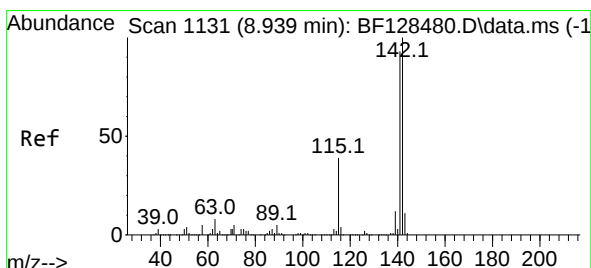
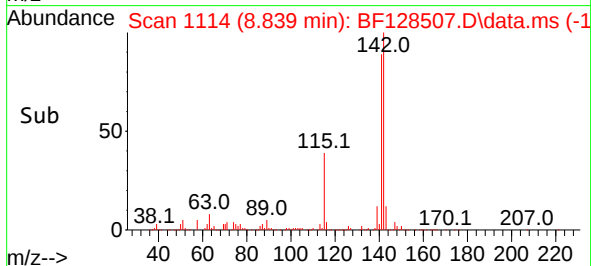
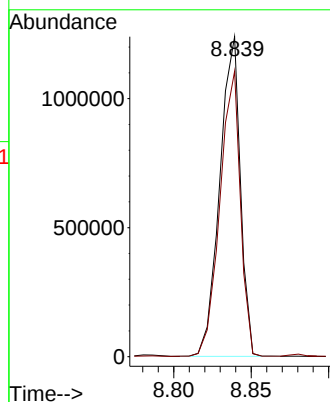
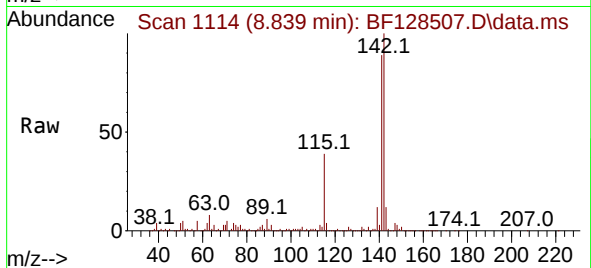




#37
2-Methylnaphthalene
Concen: 53.352 ng
RT: 8.839 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

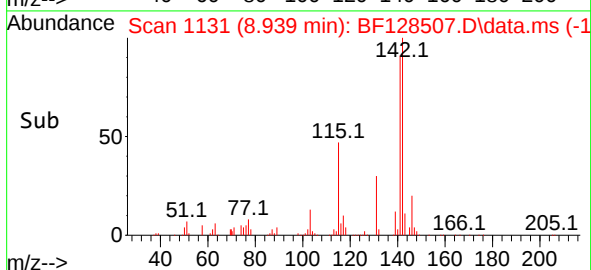
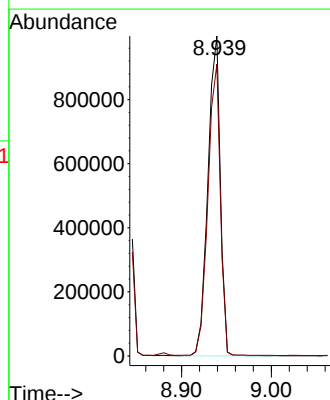
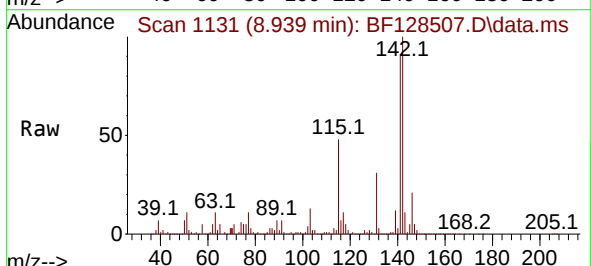
Instrument :
BNA_F
ClientSampleId :
MW-02

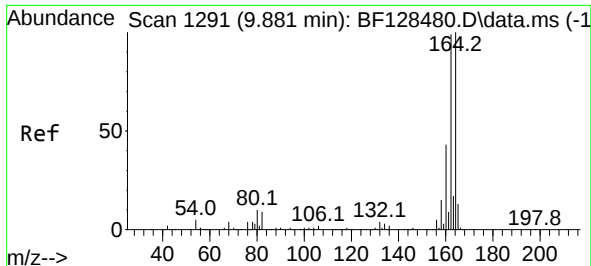
Tgt Ion:142 Resp: 1144298
Ion Ratio Lower Upper
142 100
141 89.2 71.0 106.4



#38
1-Methylnaphthalene
Concen: 45.846 ng
RT: 8.939 min Scan# 1131
Delta R.T. -0.000 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

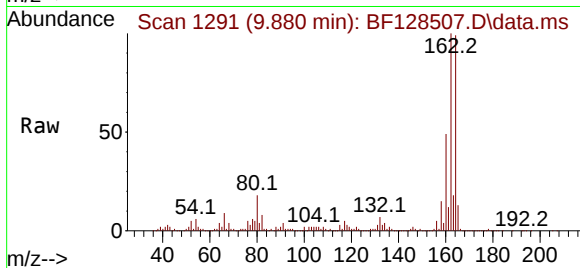
Tgt Ion:142 Resp: 956363
Ion Ratio Lower Upper
142 100
141 91.1 74.2 111.4



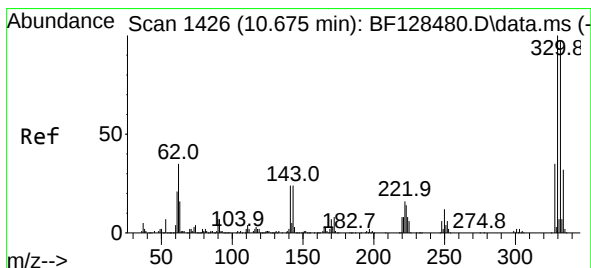
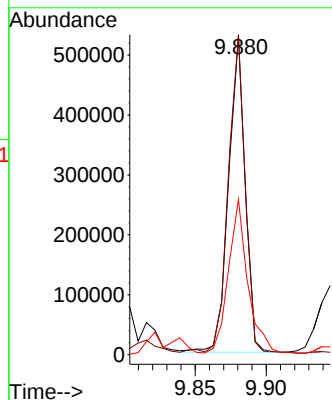
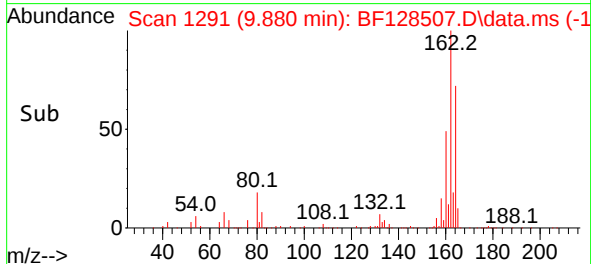


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.001 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

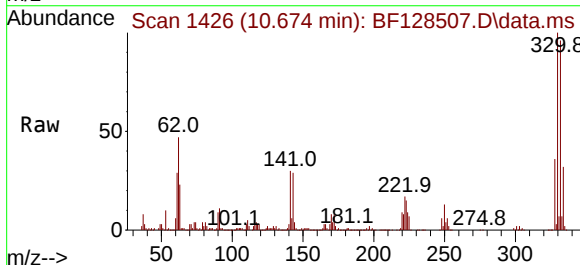
Instrument :
BNA_F
ClientSampleId :
MW-02



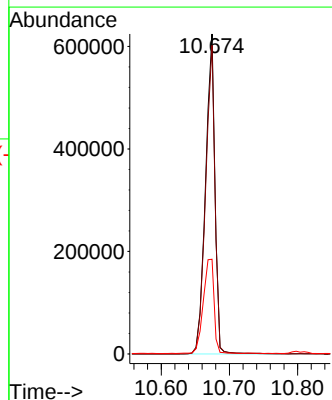
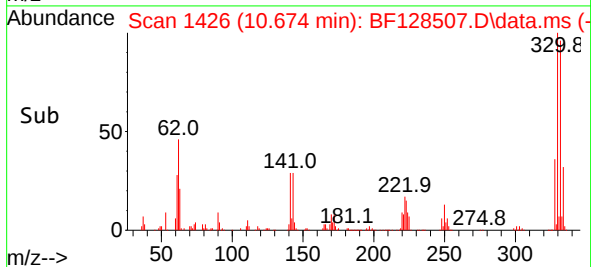
Tgt Ion:164 Resp: 425947
Ion Ratio Lower Upper
164 100
162 100.6 79.5 119.3
160 48.8 34.2 51.4

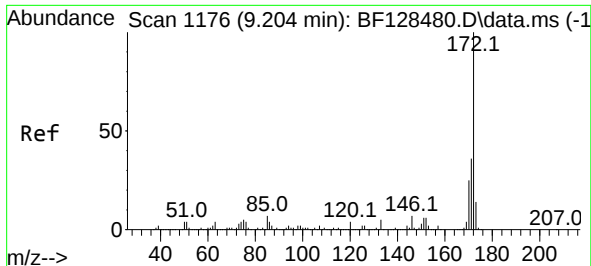


#42
2,4,6-Tribromophenol
Concen: 148.155 ng
RT: 10.674 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39



Tgt Ion:330 Resp: 600666
Ion Ratio Lower Upper
330 100
332 96.3 76.8 115.2
141 33.8 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 85.143 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

Instrument :

BNA_F

ClientSampleId :

MW-02

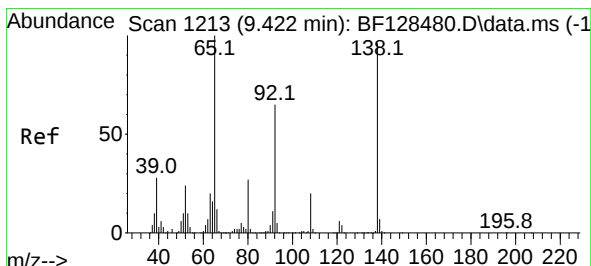
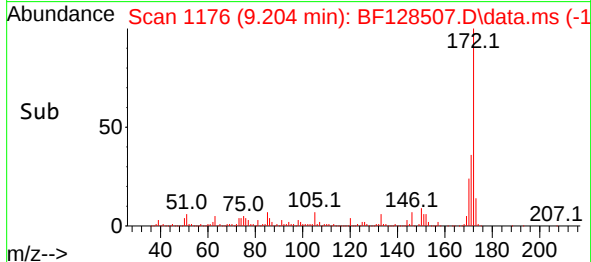
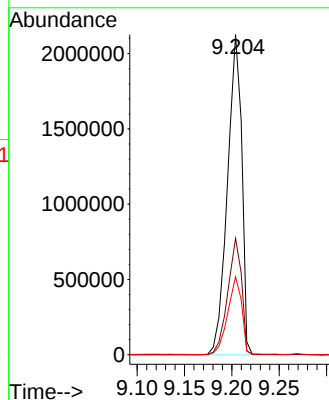
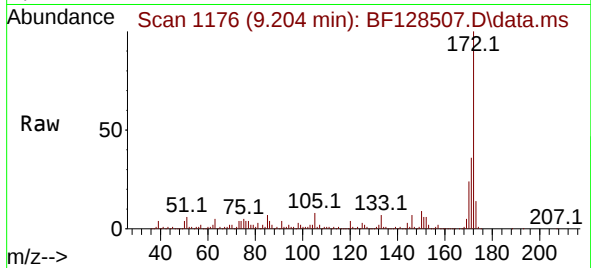
Tgt Ion:172 Resp: 2232276

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 24.4 19.8 29.8



#48

2-Nitroaniline

Concen: 32.949 ng

RT: 9.451 min Scan# 1218

Delta R.T. 0.029 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

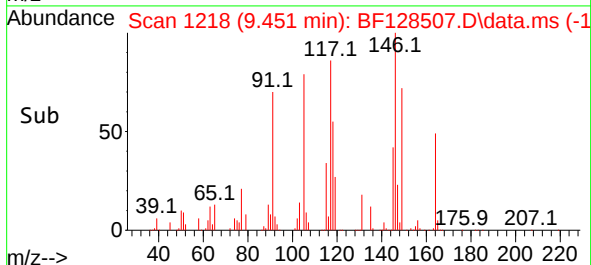
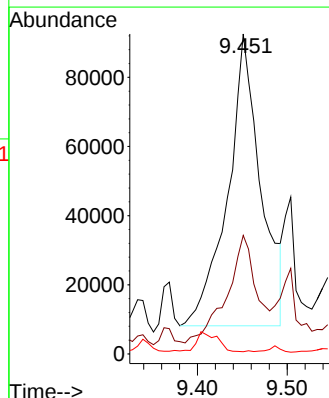
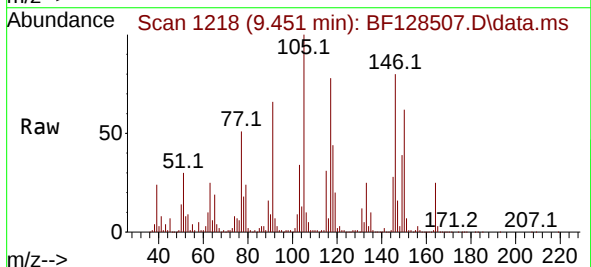
Tgt Ion: 65 Resp: 215118

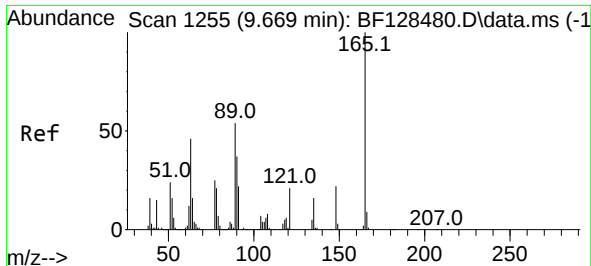
Ion Ratio Lower Upper

65 100

92 37.1 51.9 77.9#

138 0.7 76.4 114.6#





#51

2,6-Dinitrotoluene

Concen: 13.272 ng

RT: 9.627 min Scan# 11

Delta R.T. -0.041 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

Instrument :

BNA_F

ClientSampleId :

MW-02

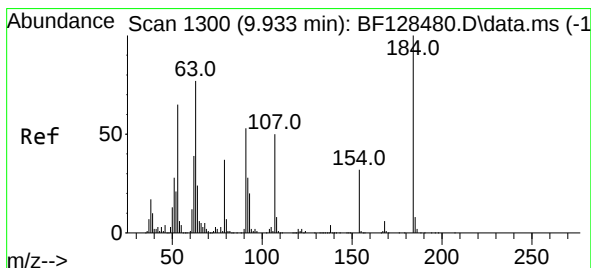
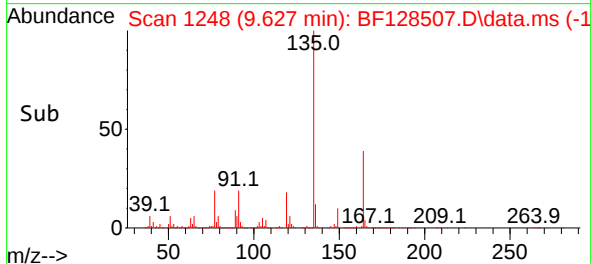
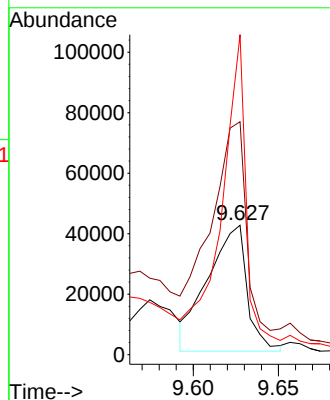
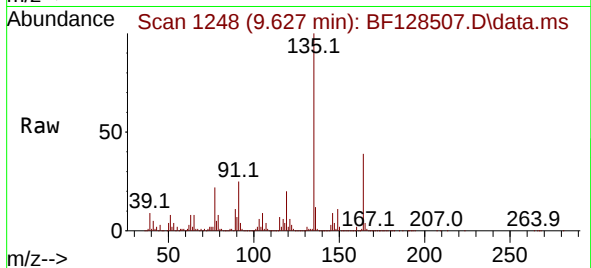
Tgt Ion:165 Resp: 67205

Ion Ratio Lower Upper

165 100

63 179.9 44.9 67.3#

89 247.1 43.6 65.4#



#54

2,4-Dinitrophenol

Concen: 6.894 ng

RT: 9.922 min Scan# 1298

Delta R.T. -0.011 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

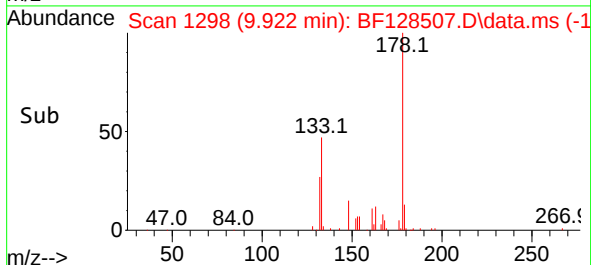
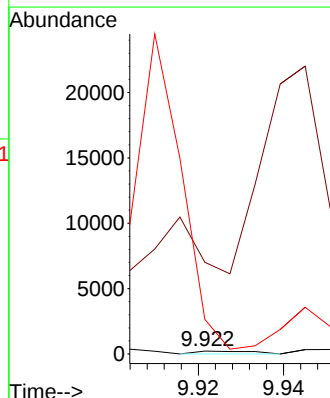
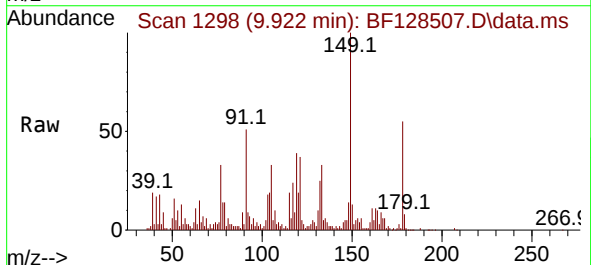
Tgt Ion:184 Resp: 211

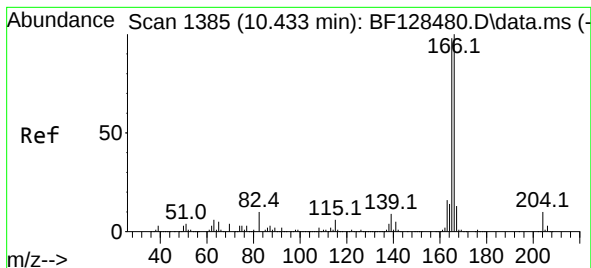
Ion Ratio Lower Upper

184 100

63 3146.2 64.5 96.7#

154 1188.3 50.6 75.8#





#58

Fluorene

Concen: 2.542 ng

RT: 10.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

Instrument :

BNA_F

ClientSampleId :

MW-02

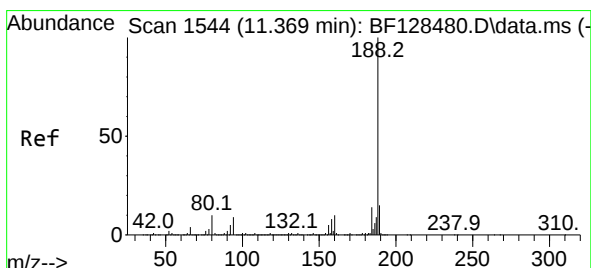
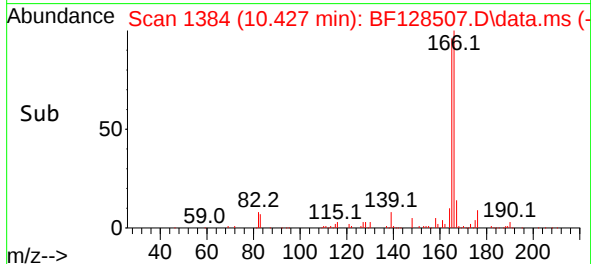
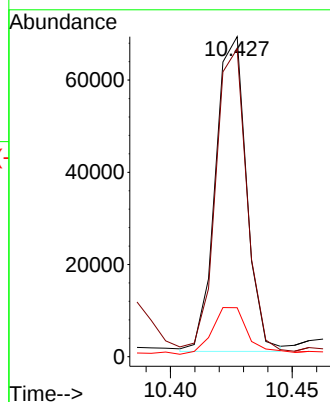
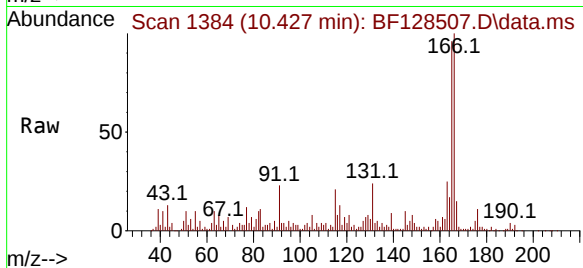
Tgt Ion:166 Resp: 60423

Ion Ratio Lower Upper

166 100

165 96.2 78.1 117.1

167 15.3 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.368 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

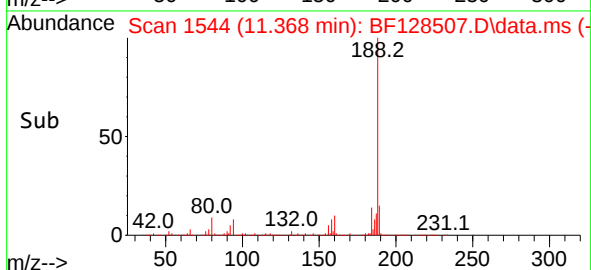
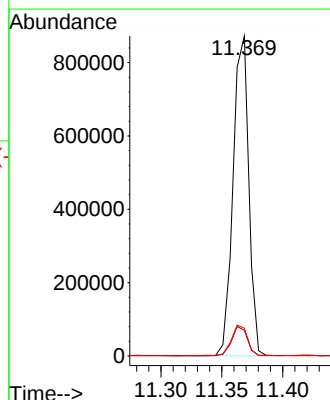
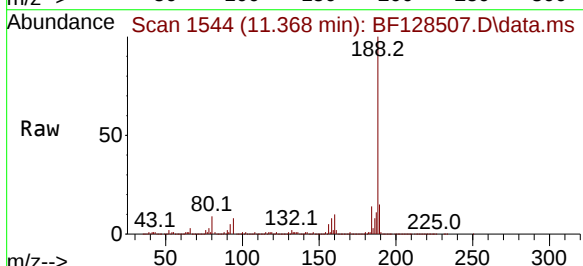
Tgt Ion:188 Resp: 783057

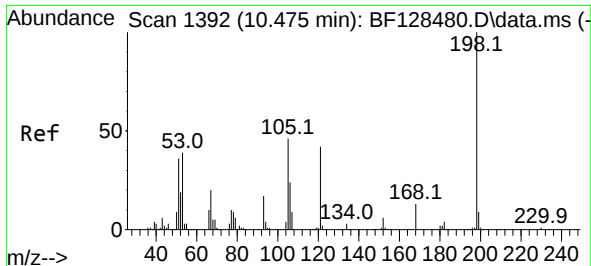
Ion Ratio Lower Upper

188 100

94 8.0 7.0 10.6

80 8.7 7.6 11.4

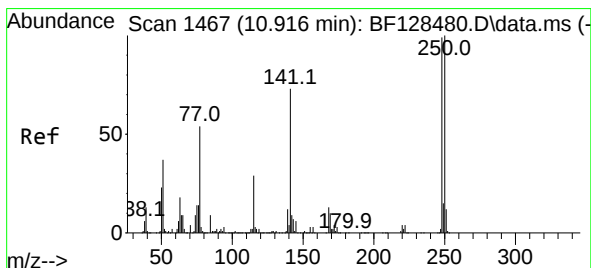
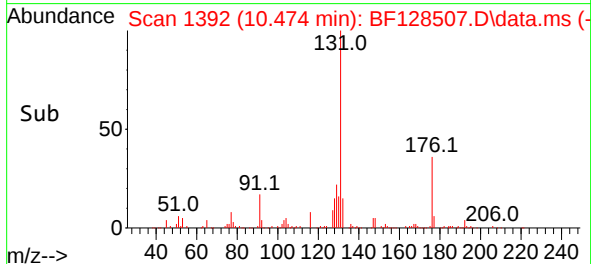
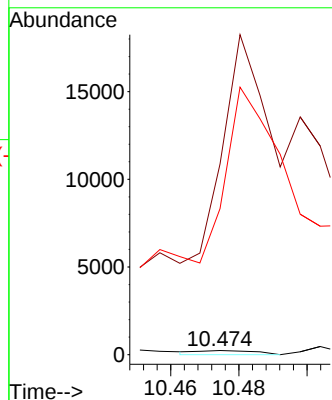
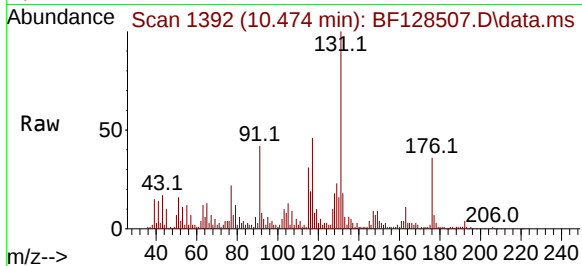




#65
4,6-Dinitro-2-methylphenol
Concen: 5.571 ng
RT: 10.474 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

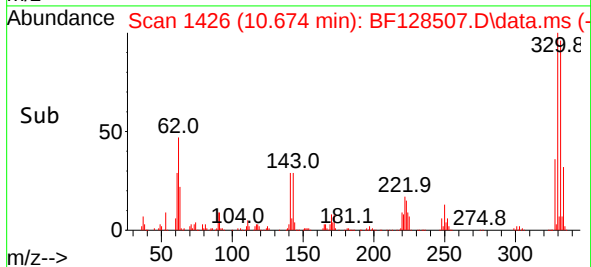
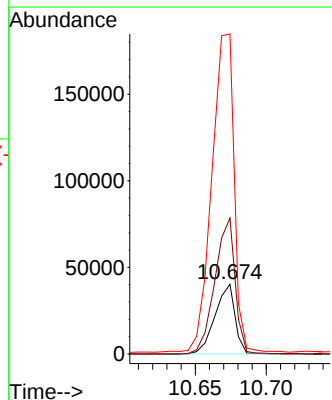
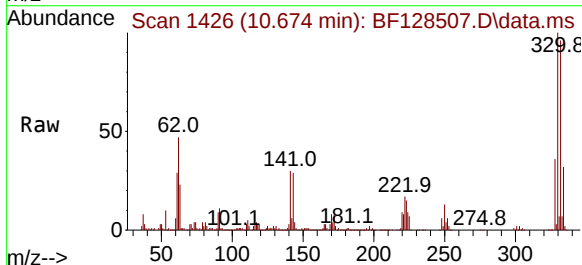
Instrument :
BNA_F
ClientSampleId :
MW-02

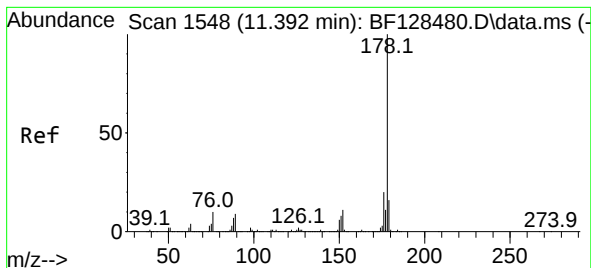
Tgt Ion:198 Resp: 284
Ion Ratio Lower Upper
198 100
51 4530.4 37.6 77.6#
105 3472.9 27.0 67.0#



#67
4-Bromophenyl-phenylether
Concen: 4.862 ng
RT: 10.674 min Scan# 1426
Delta R.T. -0.242 min
Lab File: BF128507.D
Acq: 27 May 2022 13:39

Tgt Ion:248 Resp: 39333
Ion Ratio Lower Upper
248 100
250 195.2 80.6 120.8#
141 459.7 58.9 88.3#





#71

Phenanthrene

Concen: 2.949 ng

RT: 11.386 min Scan# 1547

Delta R.T. -0.006 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

Instrument :

BNA_F

ClientSampleId :

MW-02

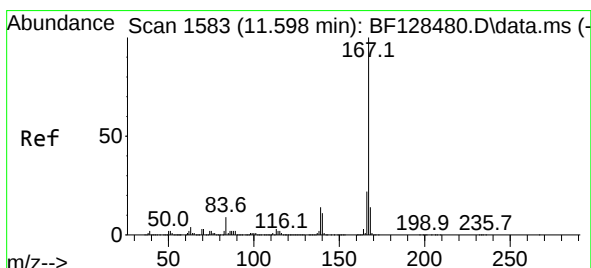
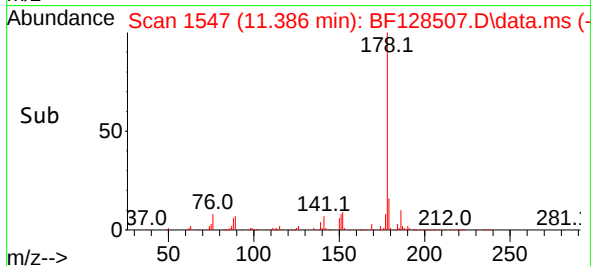
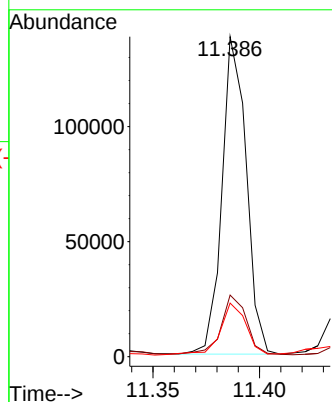
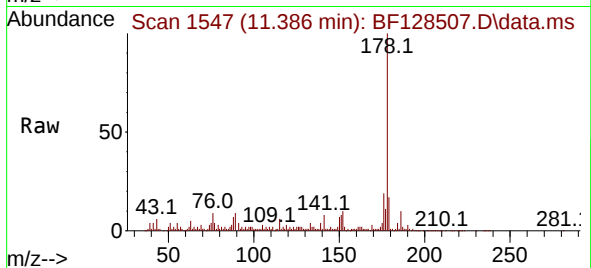
Tgt Ion:178 Resp: 109403

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

179 16.8 12.6 19.0



#73

Carbazole

Concen: 6.269 ng

RT: 11.592 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

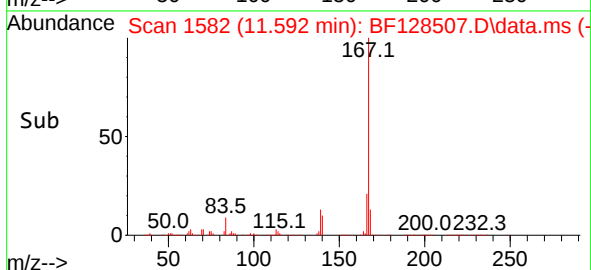
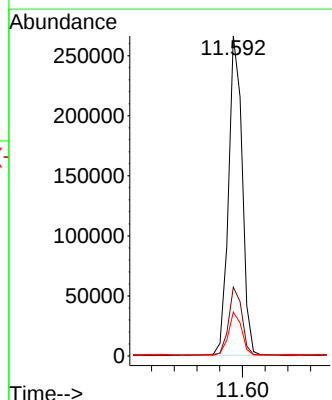
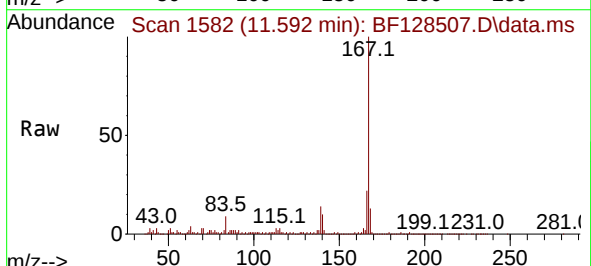
Tgt Ion:167 Resp: 222603

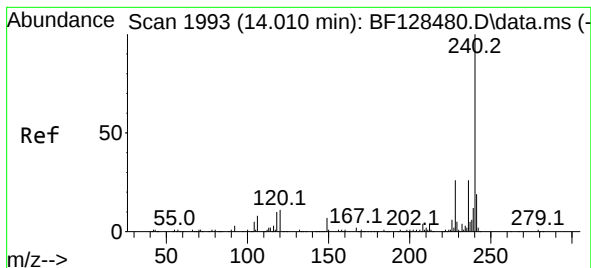
Ion Ratio Lower Upper

167 100

166 21.5 17.7 26.5

139 13.7 11.2 16.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

Instrument :

BNA_F

ClientSampleId :

MW-02

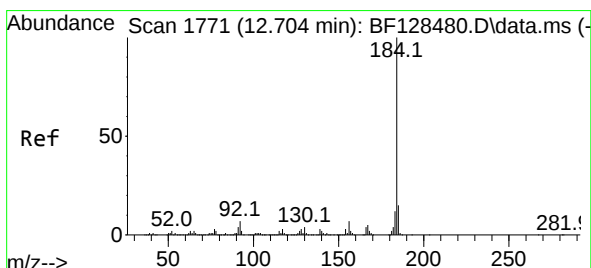
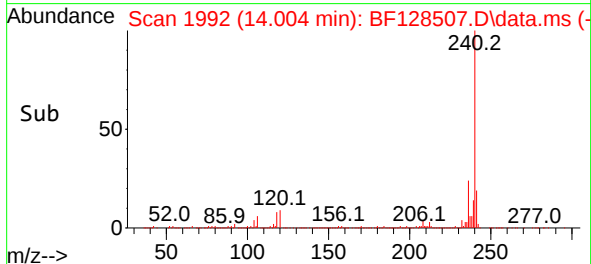
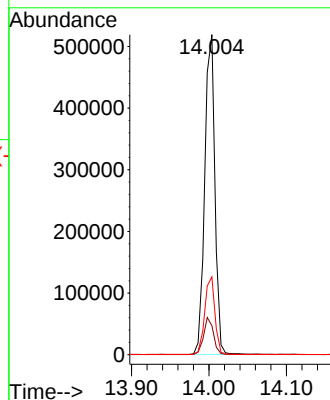
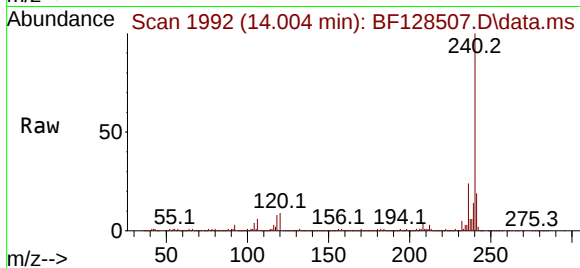
Tgt Ion:240 Resp: 474507

Ion Ratio Lower Upper

240 100

120 9.1 8.9 13.3

236 24.3 20.8 31.2



#77

Benidine

Concen: 3.114 ng

RT: 12.957 min Scan# 1814

Delta R.T. 0.253 min

Lab File: BF128507.D

Acq: 27 May 2022 13:39

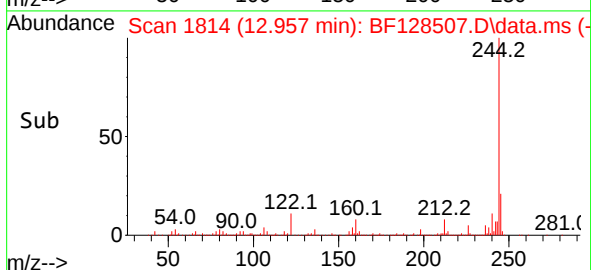
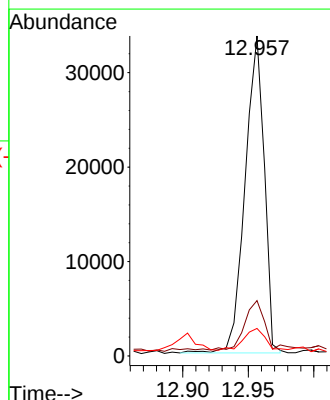
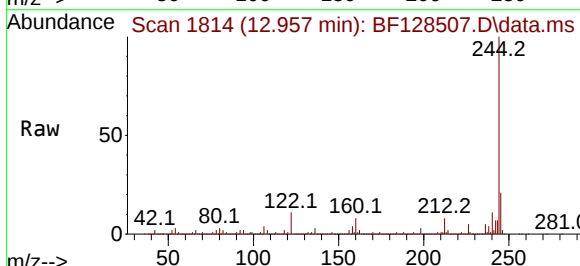
Tgt Ion:184 Resp: 34082

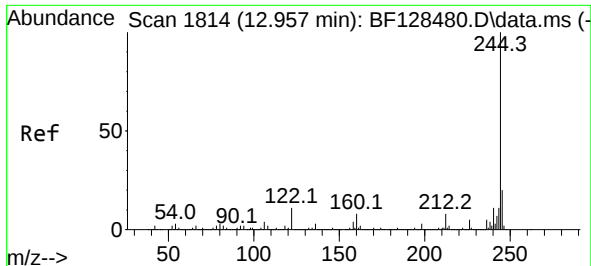
Ion Ratio Lower Upper

184 100

185 17.3 11.9 17.9

183 8.6 9.3 13.9#

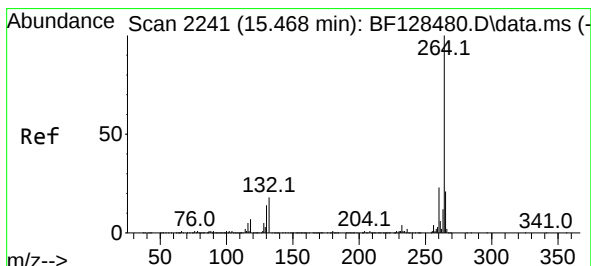
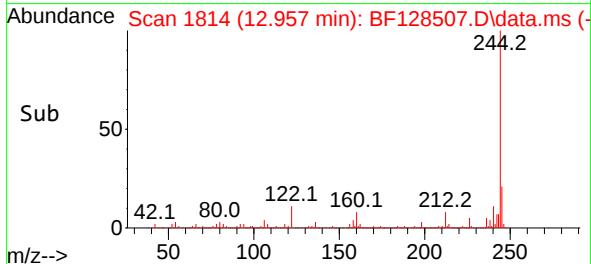
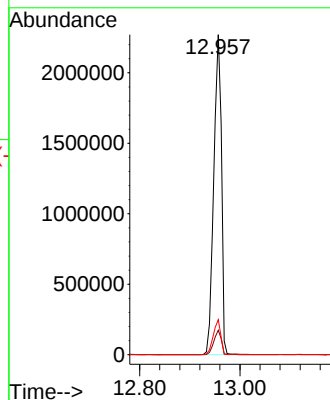
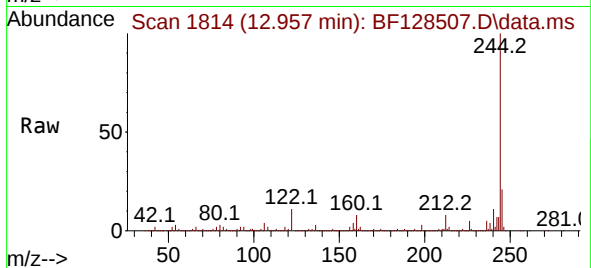




#79
 Terphenyl-d14
 Concen: 98.310 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.000 min
 Lab File: BF128507.D
 Acq: 27 May 2022 13:39

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

Tgt Ion:244 Resp: 2414583
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 11.0 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 2241
 Delta R.T. -0.000 min
 Lab File: BF128507.D
 Acq: 27 May 2022 13:39

Tgt Ion:264 Resp: 393683
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.4 27.6
 265 21.0 17.2 25.8

