

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030322\
 Data File : BF127176.D
 Acq On : 03 Mar 2022 17:36
 Operator : CG\JU
 Sample : N1689-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-38

Quant Time: Mar 04 02:14:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

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

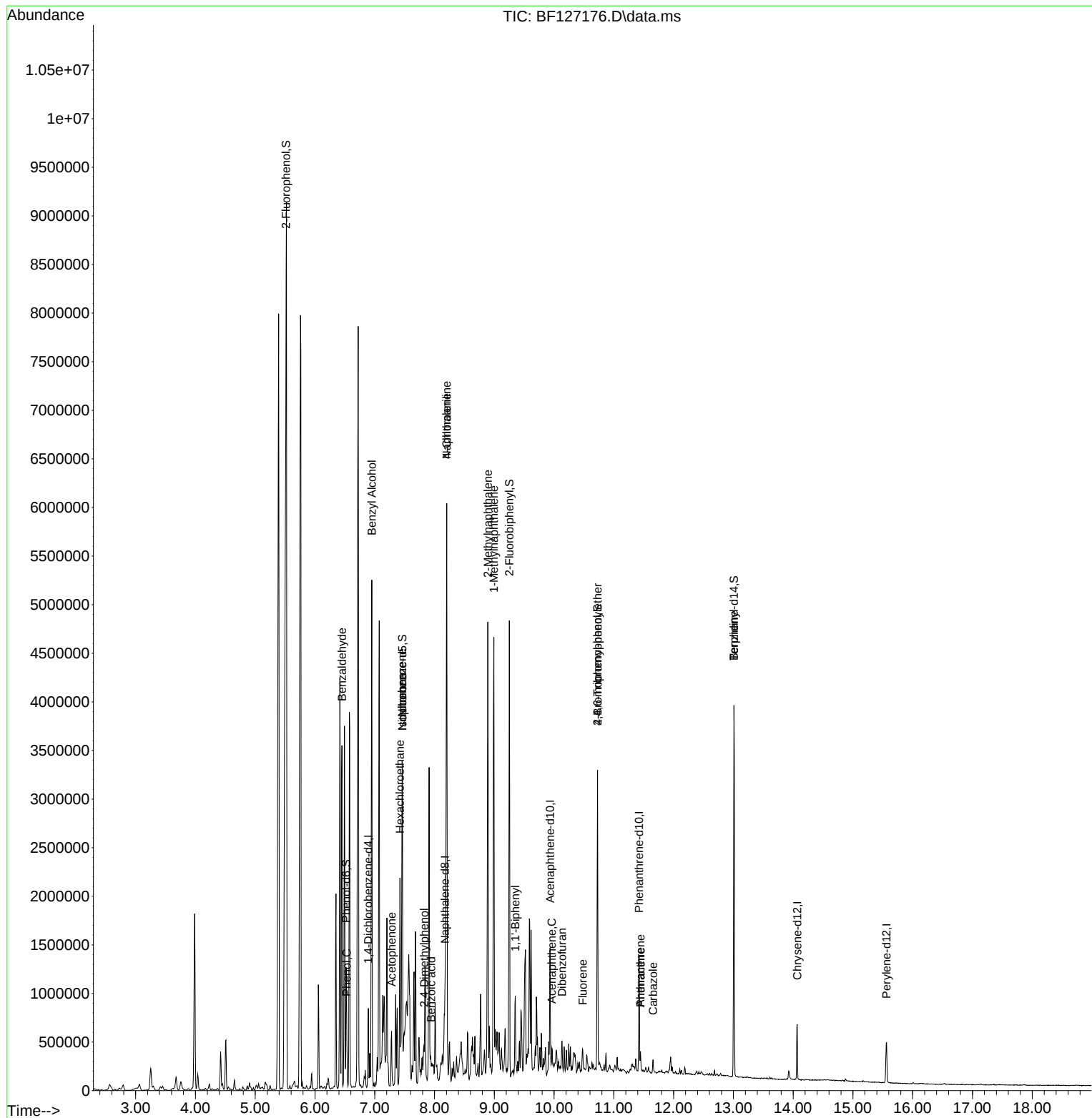
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	104573	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	414016	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	220467	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	381810	20.000	ng	0.00
76) Chrysene-d12	14.068	240	192039	20.000	ng	# 0.00
86) Perylene-d12	15.562	264	187109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	345251	51.028	ng	0.00
7) Phenol-d6	6.522	99	377019	41.296	ng	0.00
23) Nitrobenzene-d5	7.463	82	833135	90.831	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	380384	149.853	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1350775	90.197	ng	0.00
79) Terphenyl-d14	13.010	244	1393752	106.690	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.451	77	149764	26.949	ng	# 1
10) Phenol	6.534	94	80541	8.731	ng	82
15) Benzyl Alcohol	6.951	79	170010	22.104	ng	# 9
18) Hexachloroethane	7.422	117	155666	51.153	ng	# 1
22) Acetophenone	7.281	105	213859	19.619	ng	# 54
24) Nitrobenzene	7.457	77	25393	2.931	ng	# 2
25) Isophorone	7.463	82	827526	54.522	ng	# 69
27) 2,4-Dimethylphenol	7.828	122	37817	6.240	ng	93
31) Naphthalene	8.204	128	2859512	132.309	ng	96
32) Benzoic acid	7.945	122	20421	4.751	ng	# 52
33) 4-Chloroaniline	8.204	127	398185	46.808	ng	# 33
37) 2-Methylnaphthalene	8.892	142	1315430	93.800	ng	97
38) 1-Methylnaphthalene	8.992	142	943324	70.244	ng	100
46) 1,1'-Biphenyl	9.351	154	122835	7.032	ng	98
52) Acenaphthene	9.963	154	31130	2.275	ng	# 89
55) Dibenzofuran	10.133	168	41768	2.220	ng	# 76
58) Fluorene	10.480	166	47286	3.226	ng	95
67) 4-Bromophenyl-phenylether	10.727	248	22041	5.167	ng	# 1
71) Phenanthrene	11.445	178	51002	2.387	ng	98
72) Anthracene	11.445	178	51002	2.397	ng	97
73) Carbazole	11.657	167	42764	2.192	ng	98
77) Benzidine	13.010	184	21006	4.025	ng	# 92

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

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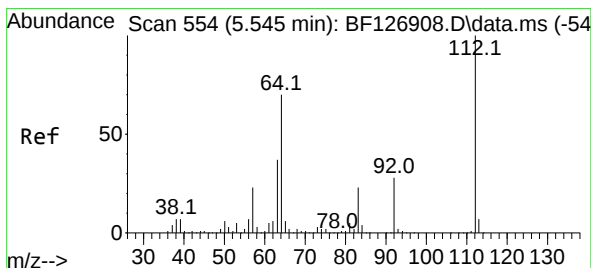
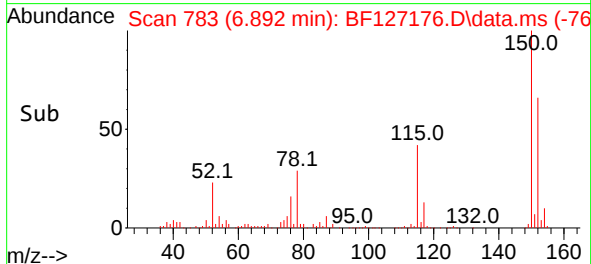
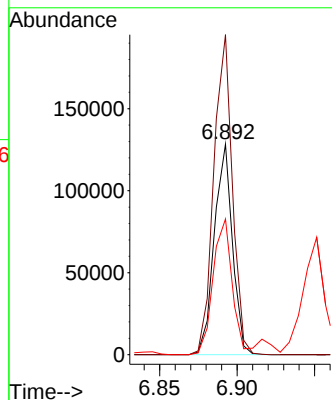
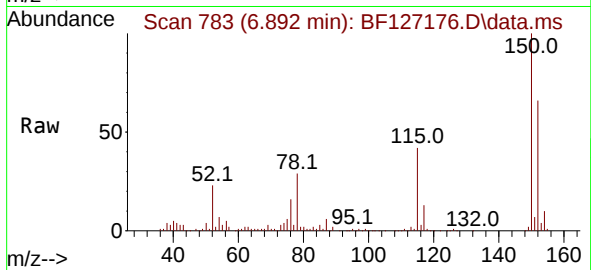




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 71
 Delta R.T. -0.001 min
 Lab File: BF127176.D
 Acq: 03 Mar 2022 17:36

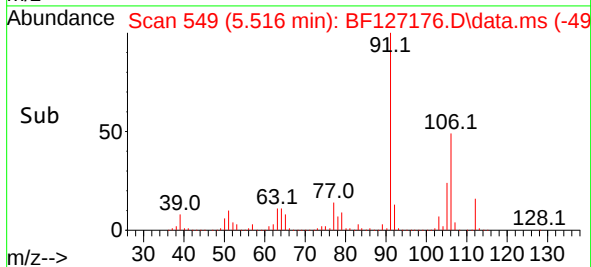
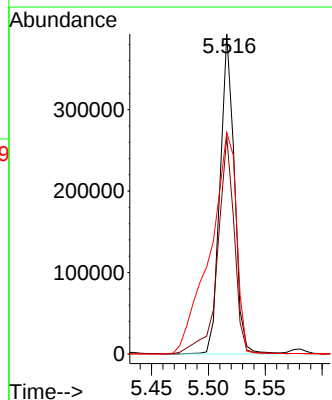
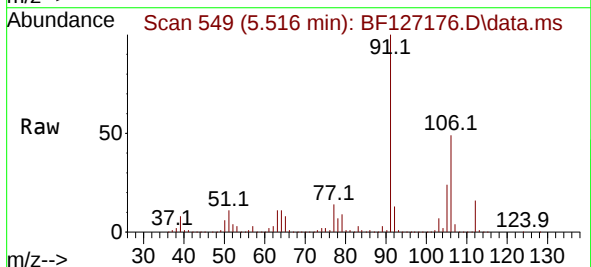
Instrument :
 BNA_F
 ClientSampleId :
 MW-38

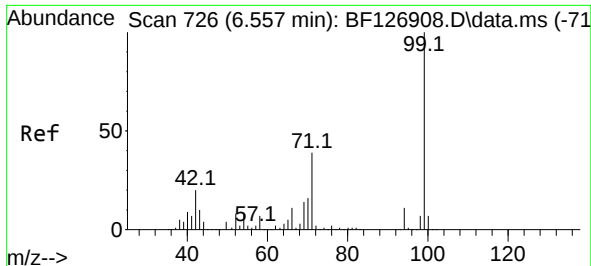
Tgt Ion:152 Resp: 104573
 Ion Ratio Lower Upper
 152 100
 150 152.0 128.1 192.1
 115 64.5 56.7 85.1



#5
 2-Fluorophenol
 Concen: 51.028 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.006 min
 Lab File: BF127176.D
 Acq: 03 Mar 2022 17:36

Tgt Ion:112 Resp: 345251
 Ion Ratio Lower Upper
 112 100
 64 68.0 49.5 74.3
 63 69.2 23.9 35.9#

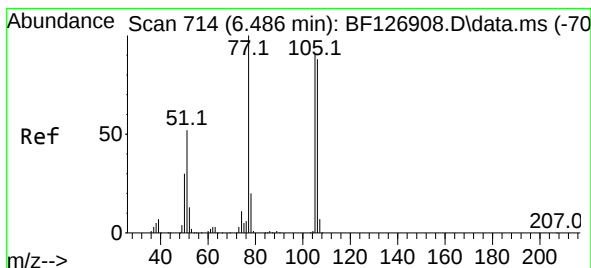
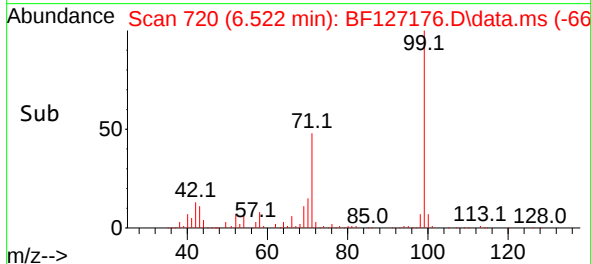
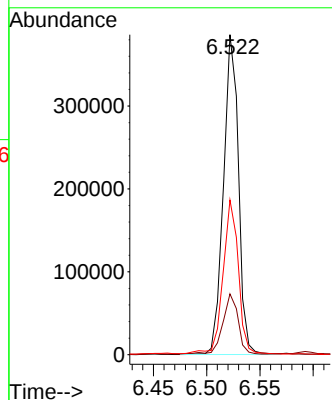
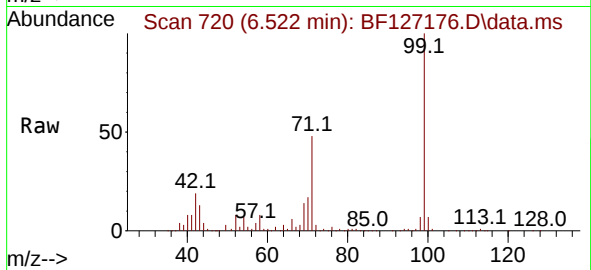




#7
Phenol-d6
Concen: 41.296 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

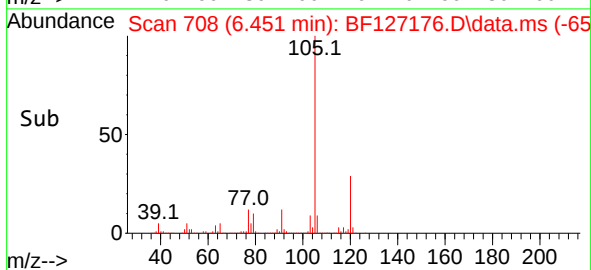
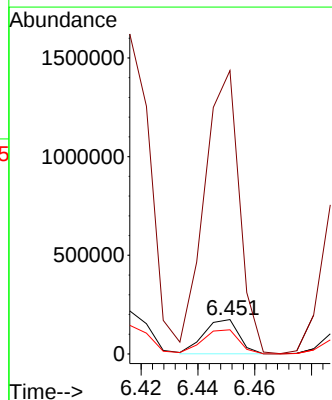
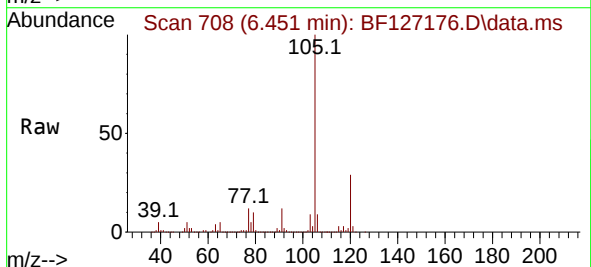
Instrument :
BNA_F
ClientSampleId :
MW-38

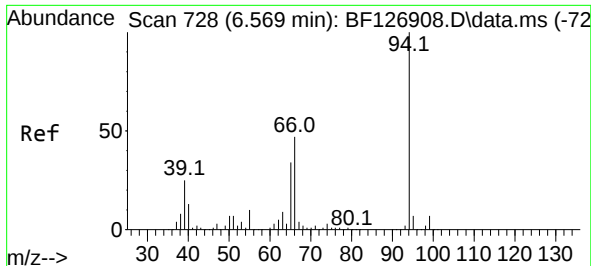
Tgt Ion: 99 Resp: 377019
Ion Ratio Lower Upper
99 100
42 19.0 14.2 21.4
71 48.4 24.3 36.5#



#9
Benzaldehyde
Concen: 26.949 ng
RT: 6.451 min Scan# 708
Delta R.T. 0.006 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

Tgt Ion: 77 Resp: 149764
Ion Ratio Lower Upper
77 100
105 823.2 74.9 114.9#
106 70.4 72.4 112.4#

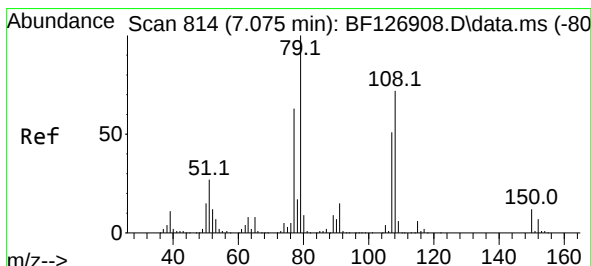
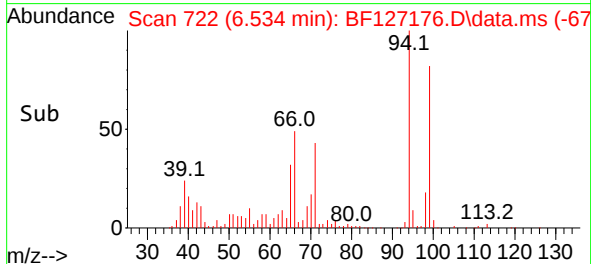
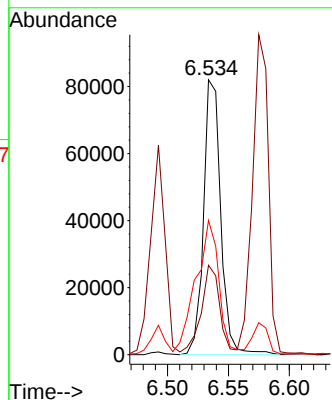
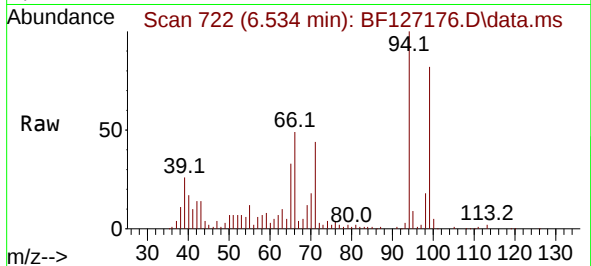




#10
Phenol
Concen: 8.731 ng
RT: 6.534 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

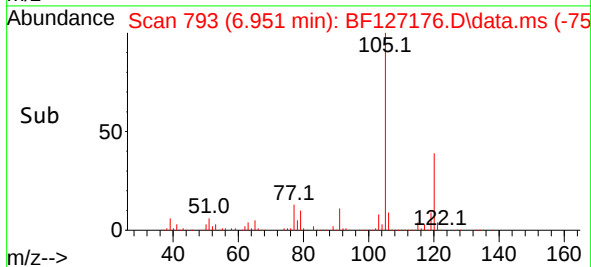
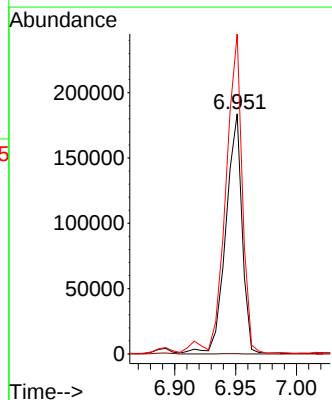
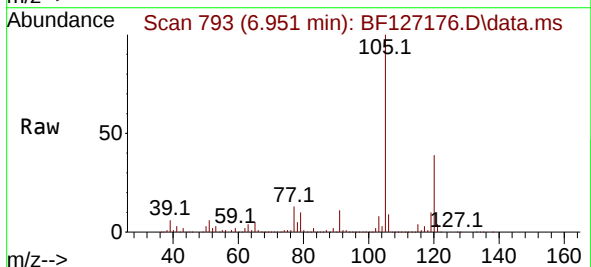
Instrument :
BNA_F
ClientSampleId :
MW-38

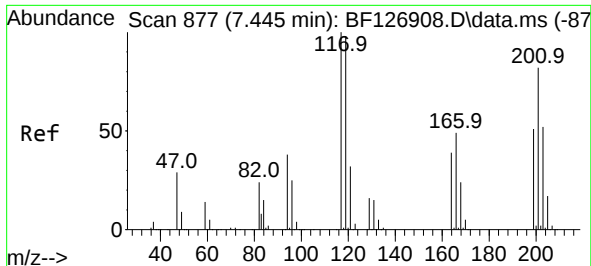
Tgt Ion: 94 Resp: 80541
Ion Ratio Lower Upper
94 100
65 32.5 7.2 47.2
66 48.9 14.5 54.5



#15
Benzyl Alcohol
Concen: 22.104 ng
RT: 6.951 min Scan# 793
Delta R.T. -0.082 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

Tgt Ion: 79 Resp: 170010
Ion Ratio Lower Upper
79 100
108 0.1 63.2 94.8#
77 133.2 49.4 74.2#

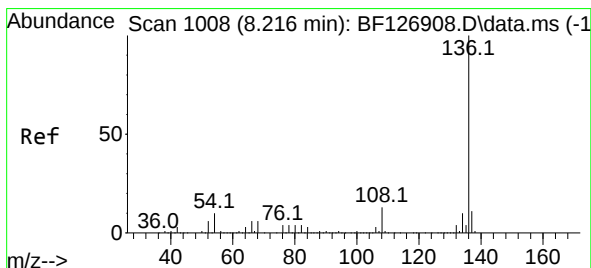
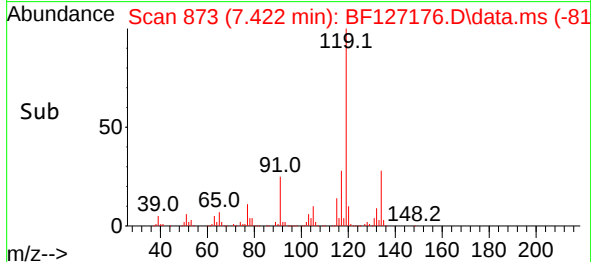
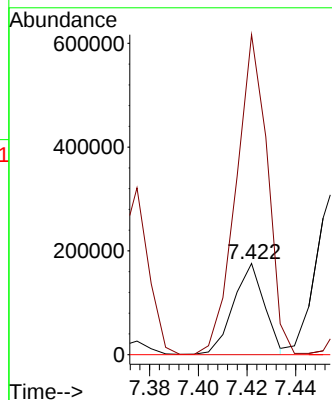
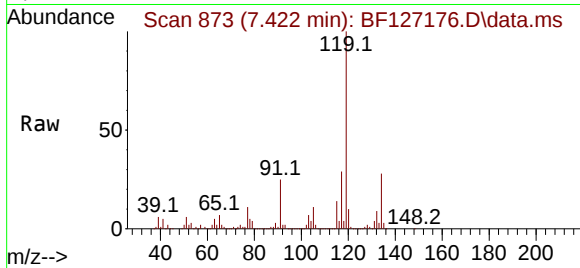




#18
Hexachloroethane
Concen: 51.153 ng
RT: 7.422 min Scan# 81
Delta R.T. 0.018 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

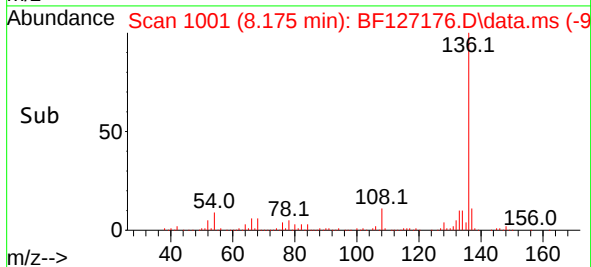
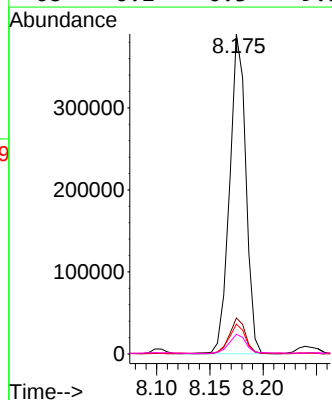
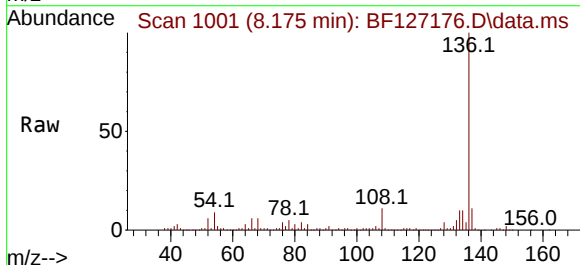
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ClientSampleId :
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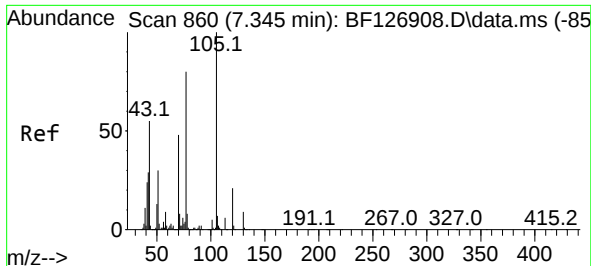
Tgt Ion:117 Resp: 155666
Ion Ratio Lower Upper
117 100
119 350.8 75.4 113.0#
201 0.0 56.8 85.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.000 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

Tgt Ion:136 Resp: 414016
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.3 7.8 11.6
68 6.2 6.3 9.5#

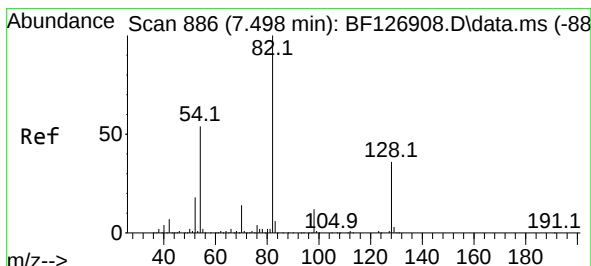
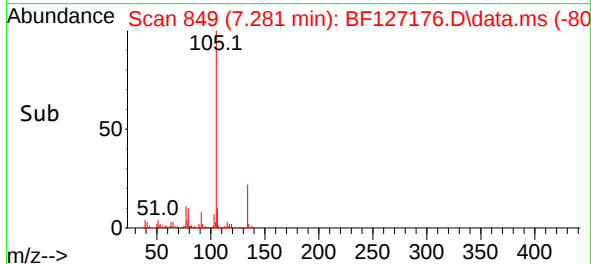
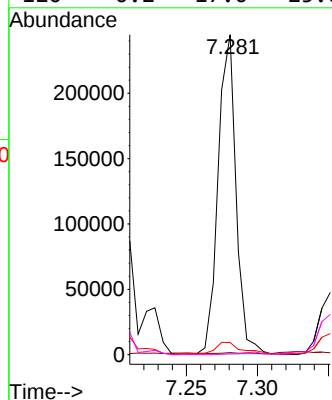
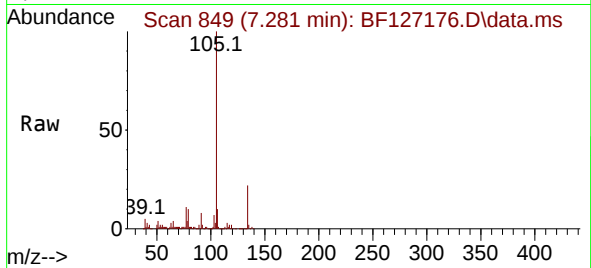




#22
Acetophenone
Concen: 19.619 ng
RT: 7.281 min Scan# 849
Delta R.T. -0.024 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

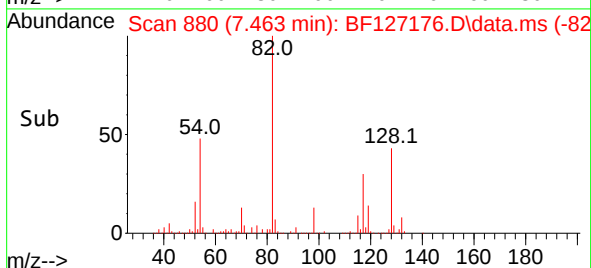
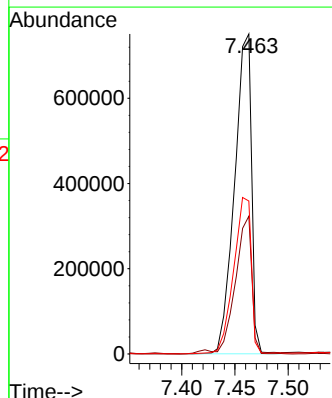
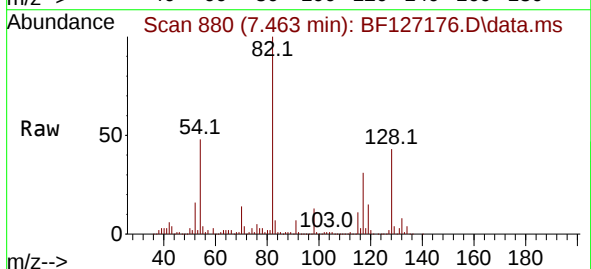
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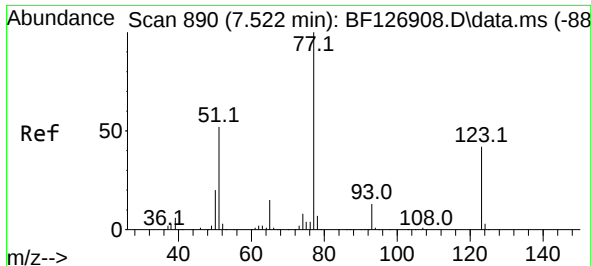
Tgt Ion:105 Resp: 213859
Ion Ratio Lower Upper
105 100
71 0.7 5.4 8.0#
51 3.8 27.4 41.0#
120 0.2 17.0 25.6#



#23
Nitrobenzene-d5
Concen: 90.831 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

Tgt Ion: 82 Resp: 833135
Ion Ratio Lower Upper
82 100
128 43.0 32.7 49.1
54 47.8 41.7 62.5

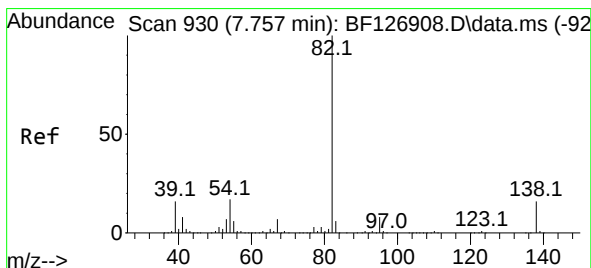
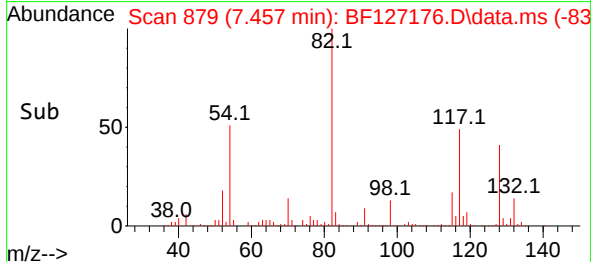
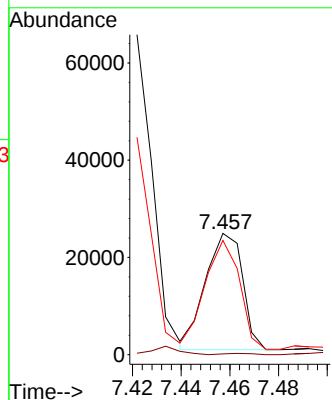
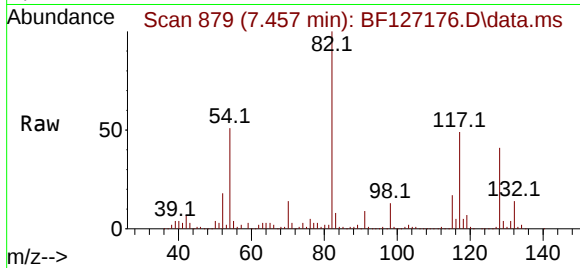




#24
Nitrobenzene
Concen: 2.931 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.024 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

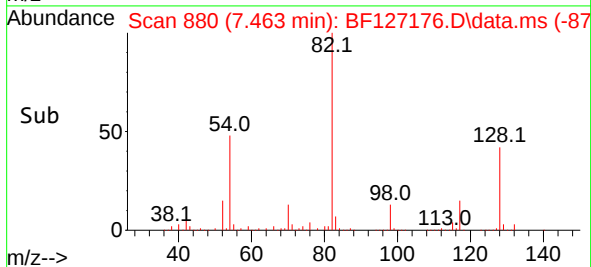
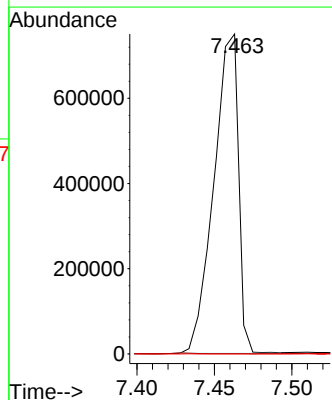
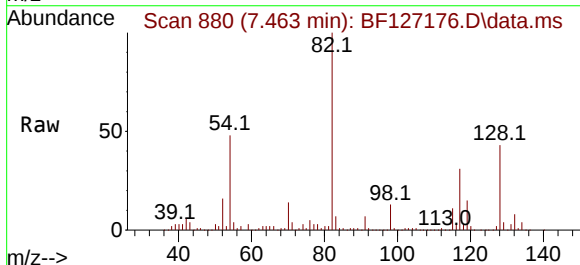
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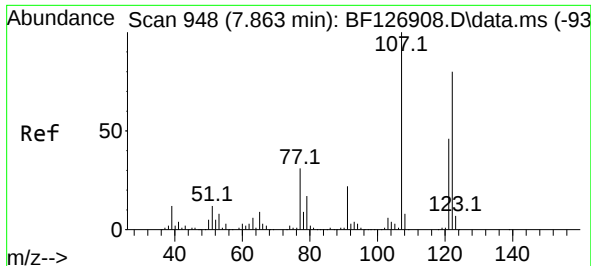
Tgt Ion: 77 Resp: 25393
Ion Ratio Lower Upper
77 100
123 0.7 34.6 52.0#
65 94.2 10.6 15.8#



#25
Isophorone
Concen: 54.522 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.253 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

Tgt Ion: 82 Resp: 827526
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.3 18.5#





#27

2,4-Dimethylphenol

Concen: 6.240 ng

RT: 7.828 min Scan# 94

Delta R.T. -0.000 min

Lab File: BF127176.D

Acq: 03 Mar 2022 17:36

Instrument :

BNA_F

ClientSampleId :

MW-38

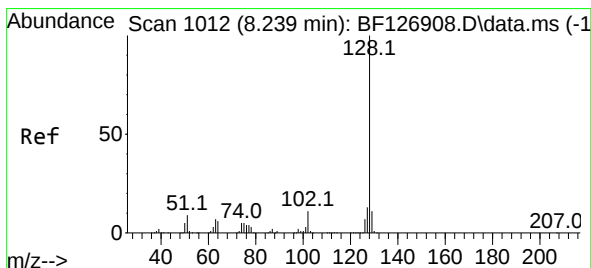
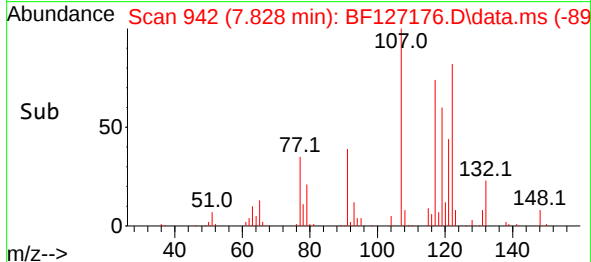
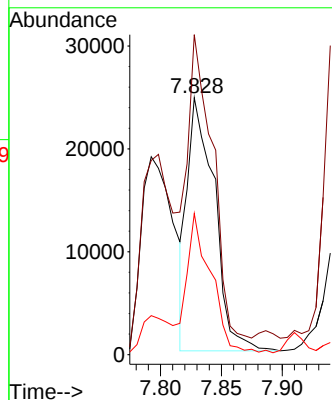
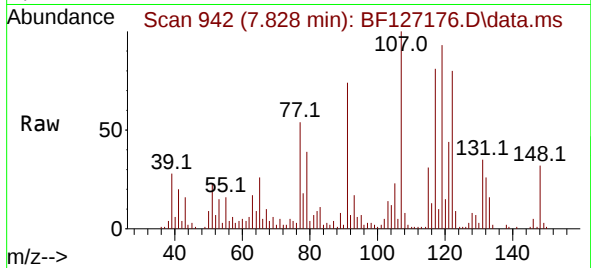
Tgt Ion:122 Resp: 37817

Ion Ratio Lower Upper

122 100

107 124.5 91.2 136.8

121 54.9 44.4 66.6



#31

Naphthalene

Concen: 132.309 ng

RT: 8.204 min Scan# 1006

Delta R.T. 0.006 min

Lab File: BF127176.D

Acq: 03 Mar 2022 17:36

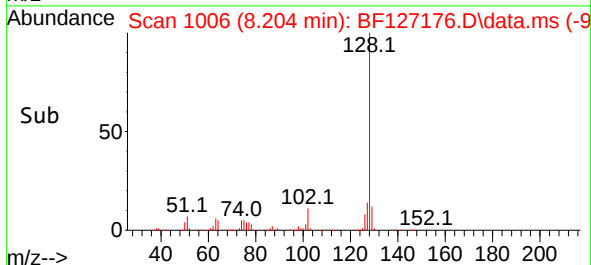
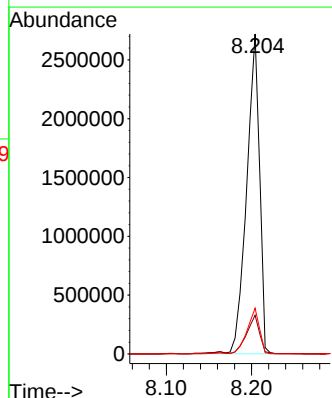
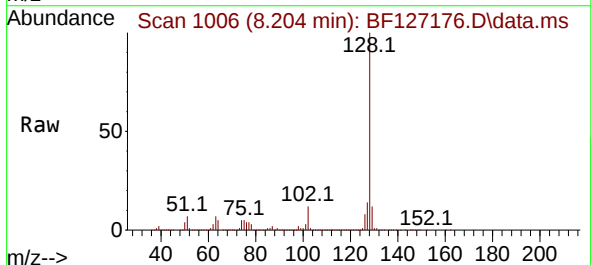
Tgt Ion:128 Resp: 2859512

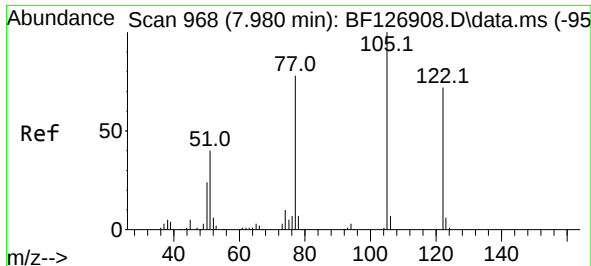
Ion Ratio Lower Upper

128 100

129 12.1 8.6 13.0

127 14.3 10.3 15.5

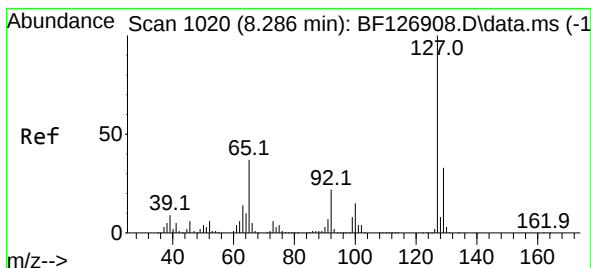
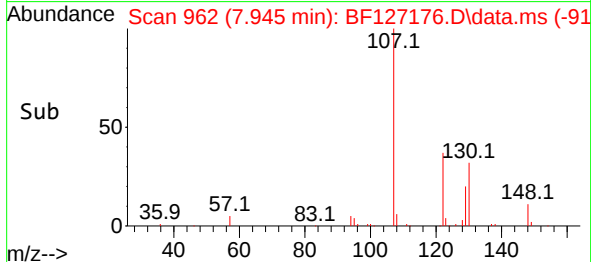
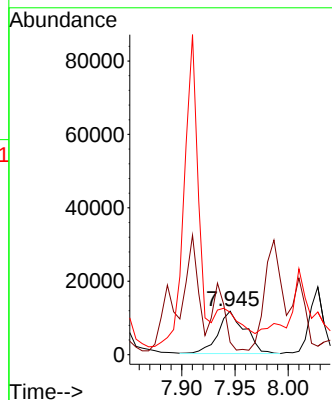
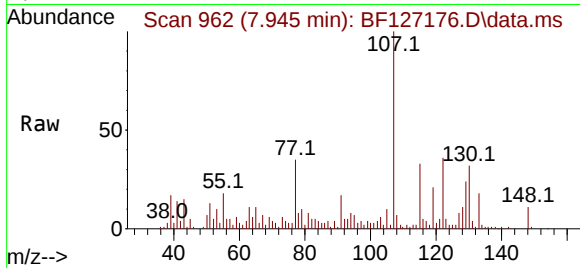




#32
Benzoic acid
Concen: 4.751 ng
RT: 7.945 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

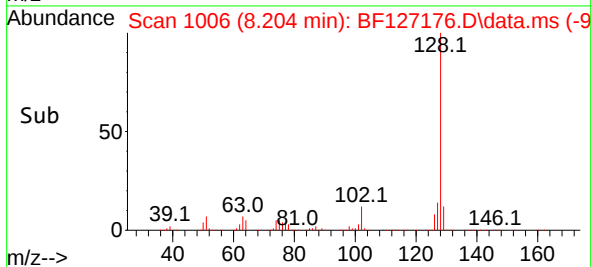
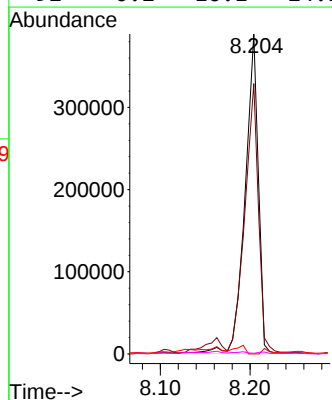
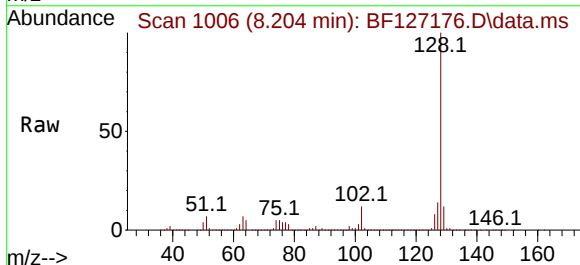
Instrument :
BNA_F
ClientSampleId :
MW-38

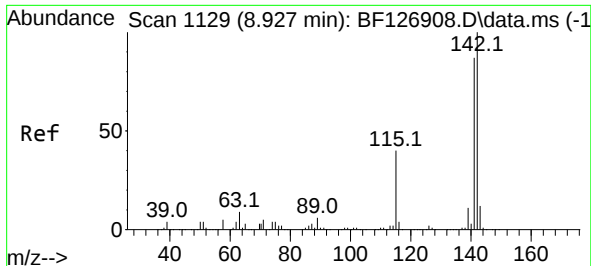
Tgt Ion:122 Resp: 20421
Ion Ratio Lower Upper
122 100
105 28.7 101.0 141.0#
77 97.2 74.5 114.5



#33
4-Chloroaniline
Concen: 46.808 ng
RT: 8.204 min Scan# 1006
Delta R.T. -0.041 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

Tgt Ion:127 Resp: 398185
Ion Ratio Lower Upper
127 100
129 84.5 26.5 39.7#
65 0.0 26.6 39.8#
92 0.2 16.1 24.1#





#37

2-Methylnaphthalene

Concen: 93.800 ng

RT: 8.892 min Scan# 1129

Delta R.T. -0.000 min

Lab File: BF127176.D

Acq: 03 Mar 2022 17:36

Instrument :

BNA_F

ClientSampleId :

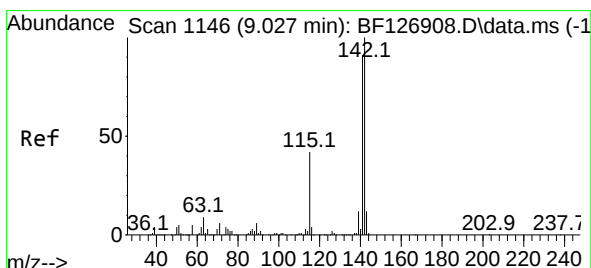
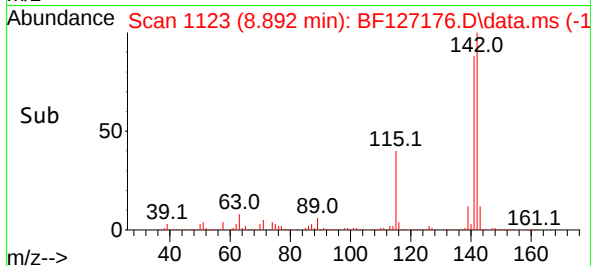
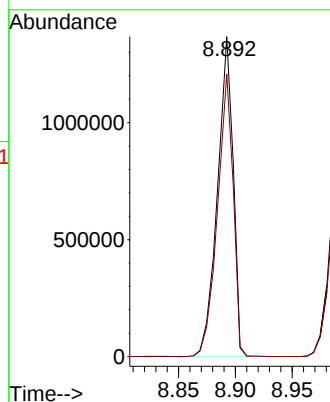
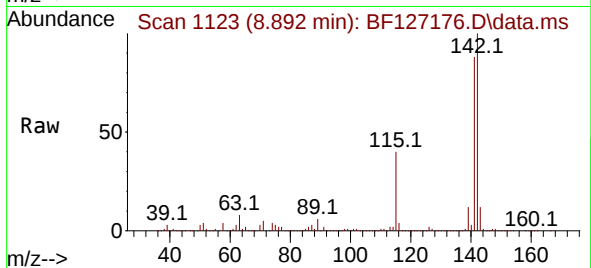
MW-38

Tgt Ion:142 Resp: 1315430

Ion Ratio Lower Upper

142 100

141 88.4 68.6 102.8



#38

1-Methylnaphthalene

Concen: 70.244 ng

RT: 8.992 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF127176.D

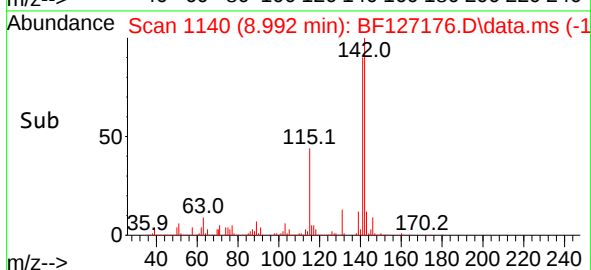
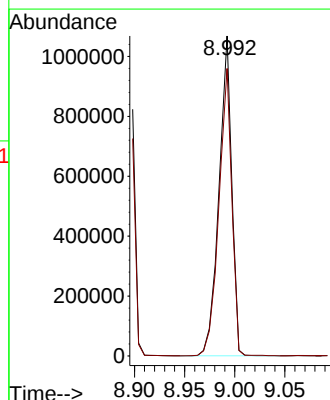
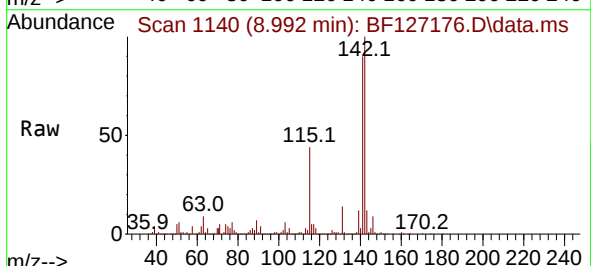
Acq: 03 Mar 2022 17:36

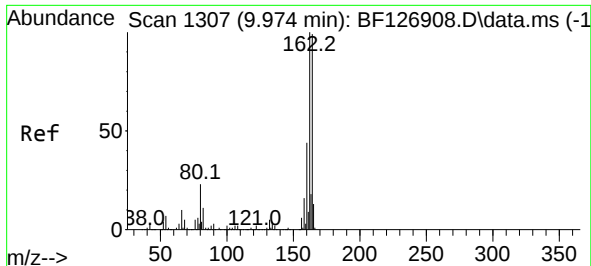
Tgt Ion:142 Resp: 943324

Ion Ratio Lower Upper

142 100

141 89.9 72.1 108.1

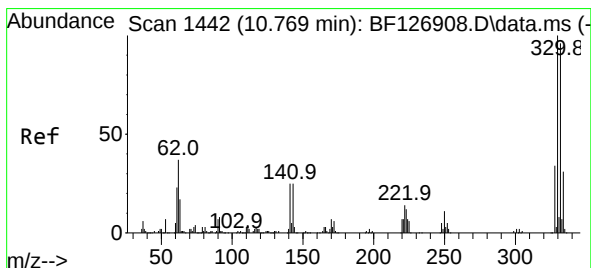
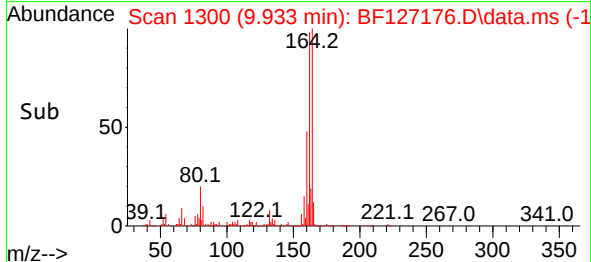
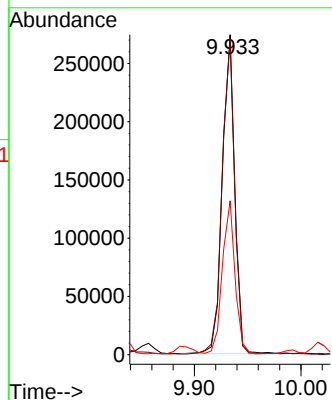
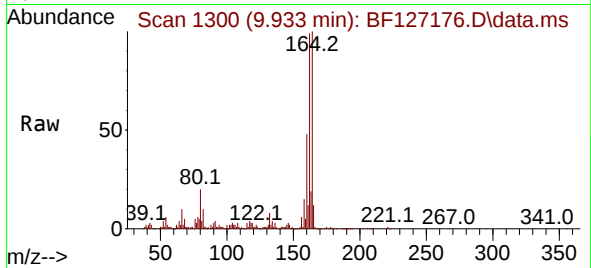




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

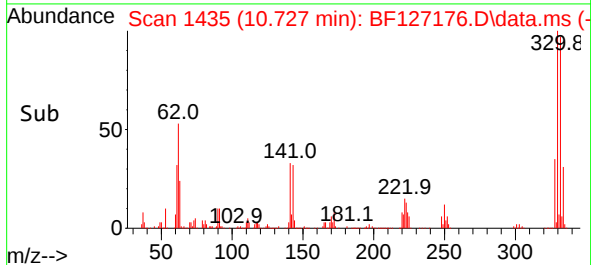
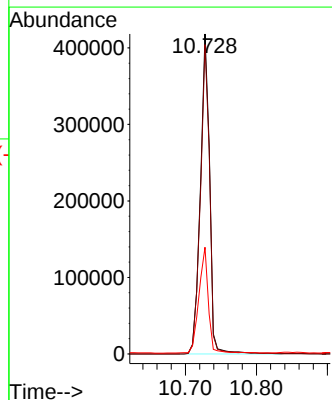
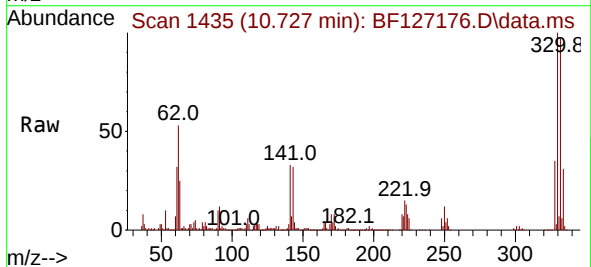
Instrument :
BNA_F
ClientSampleId :
MW-38

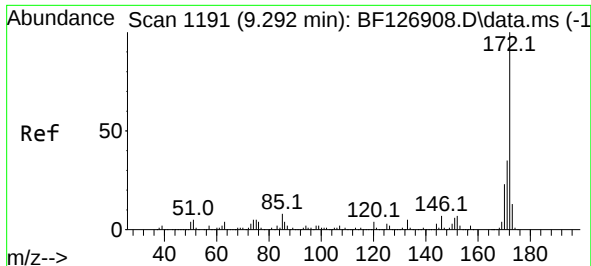
Tgt Ion:164 Resp: 220467
Ion Ratio Lower Upper
164 100
162 98.7 81.4 122.0
160 48.1 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 149.853 ng
RT: 10.727 min Scan# 1435
Delta R.T. -0.000 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

Tgt Ion:330 Resp: 380384
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 33.4 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 90.197 ng

RT: 9.251 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF127176.D

Acq: 03 Mar 2022 17:36

Instrument :

BNA_F

ClientSampleId :

MW-38

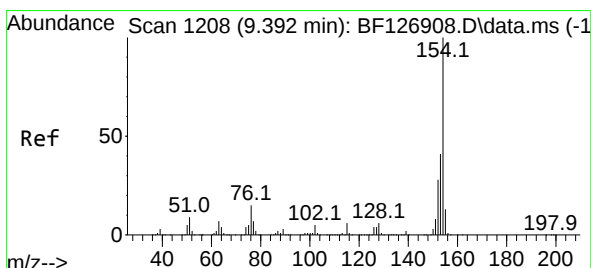
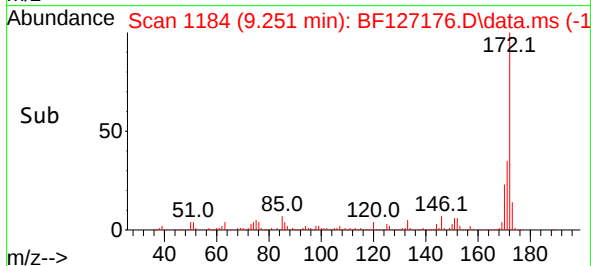
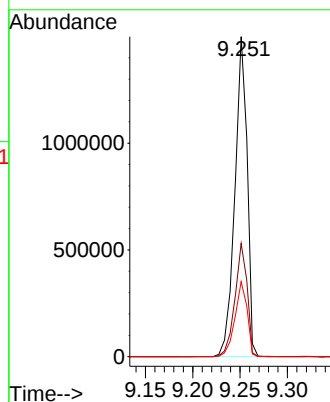
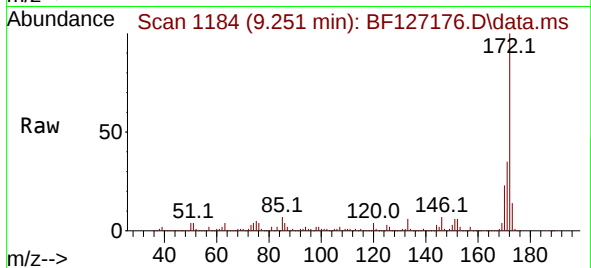
Tgt Ion:172 Resp: 1350775

Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.5 19.0 28.6



#46

1,1'-Biphenyl

Concen: 7.032 ng

RT: 9.351 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF127176.D

Acq: 03 Mar 2022 17:36

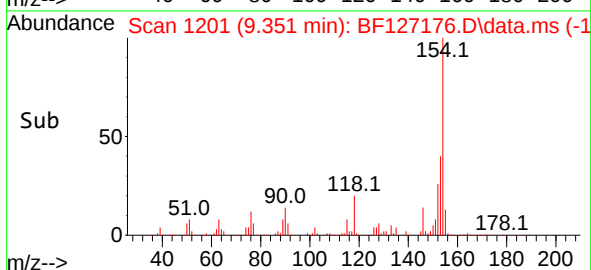
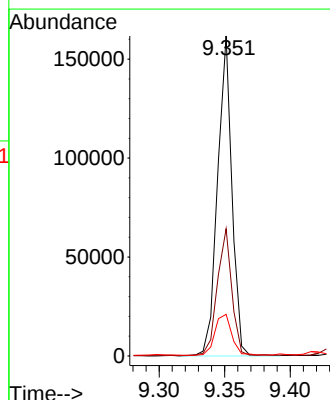
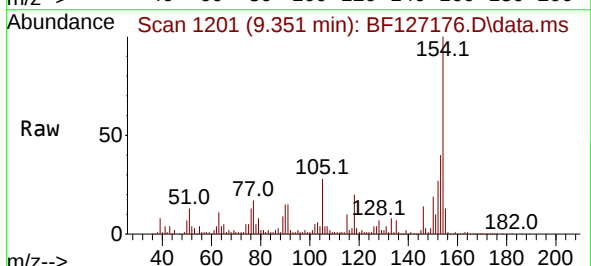
Tgt Ion:154 Resp: 122835

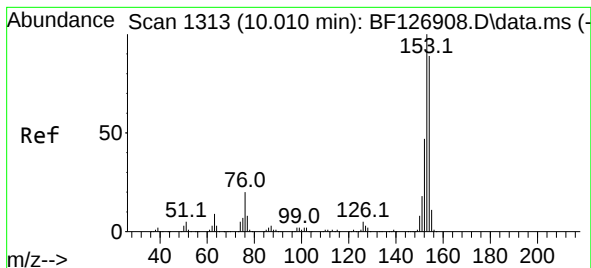
Ion Ratio Lower Upper

154 100

153 39.8 19.0 59.0

76 13.0 0.0 34.5





#52

Acenaphthene

Concen: 2.275 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127176.D

Acq: 03 Mar 2022 17:36

Instrument :

BNA_F

ClientSampleId :

MW-38

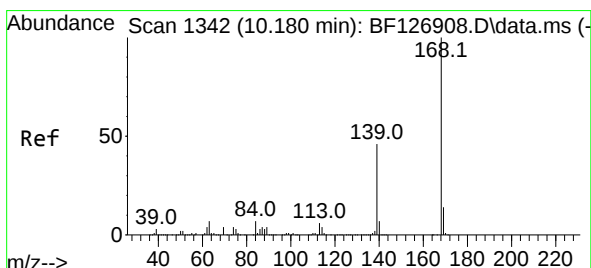
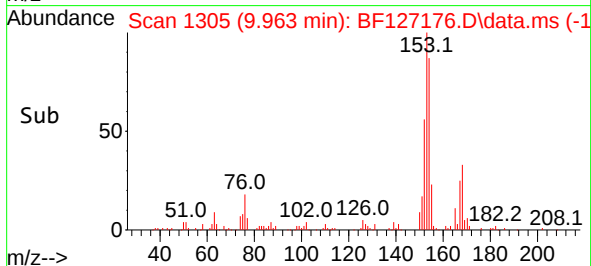
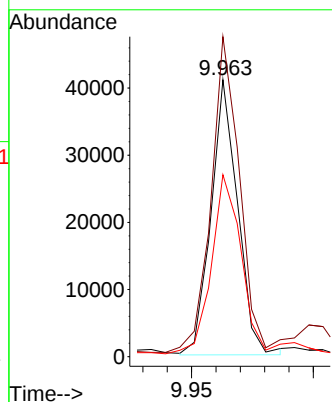
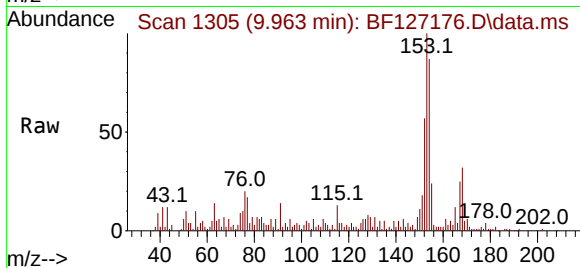
Tgt Ion:154 Resp: 31130

Ion Ratio Lower Upper

154 100

153 115.5 87.8 131.6

152 65.7 39.4 59.2#



#55

Dibenzofuran

Concen: 2.220 ng

RT: 10.133 min Scan# 1334

Delta R.T. -0.012 min

Lab File: BF127176.D

Acq: 03 Mar 2022 17:36

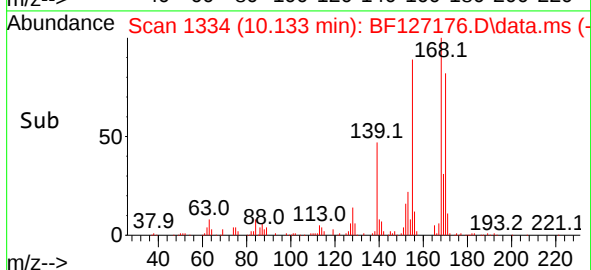
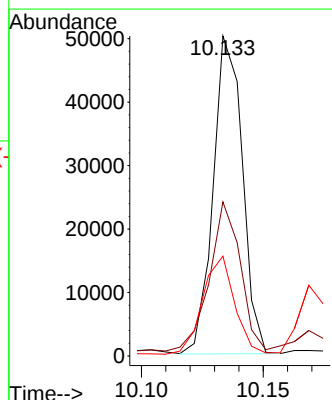
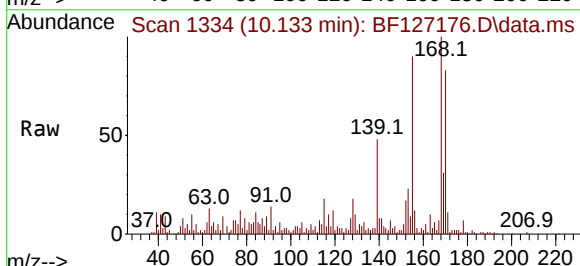
Tgt Ion:168 Resp: 41768

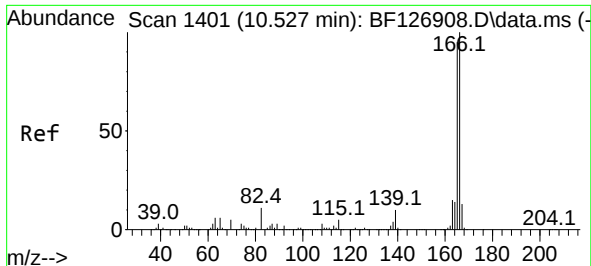
Ion Ratio Lower Upper

168 100

139 48.1 30.6 46.0#

169 31.2 10.0 15.0#

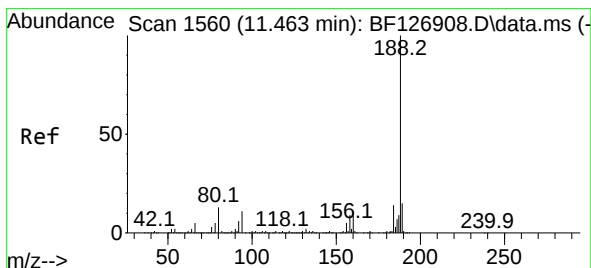
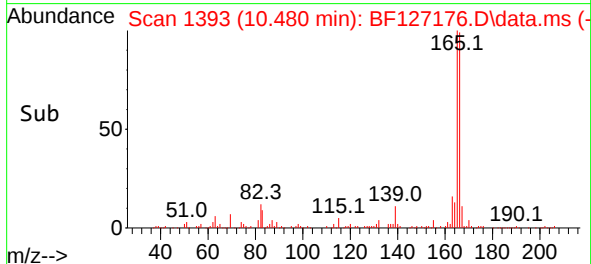
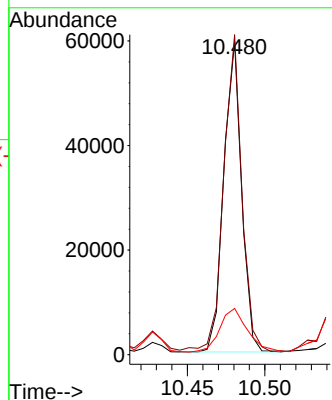
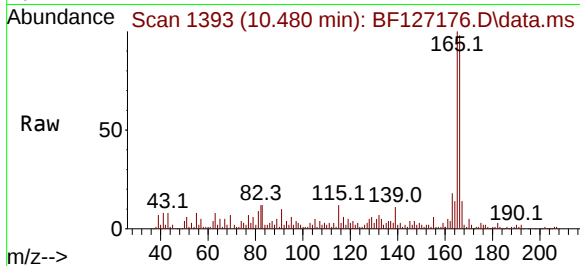




#58
 Fluorene
 Concen: 3.226 ng
 RT: 10.480 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127176.D
 Acq: 03 Mar 2022 17:36

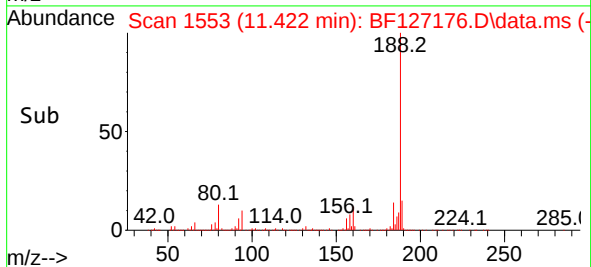
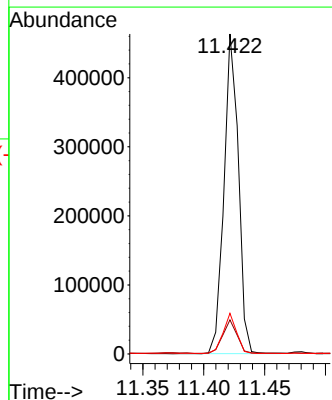
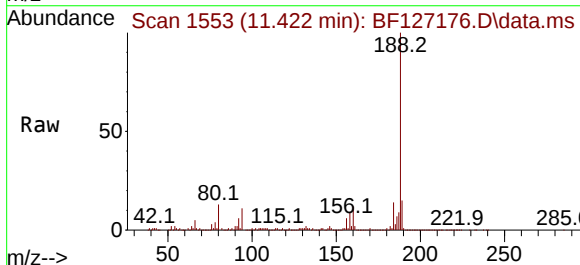
Instrument :
 BNA_F
 ClientSampleId :
 MW-38

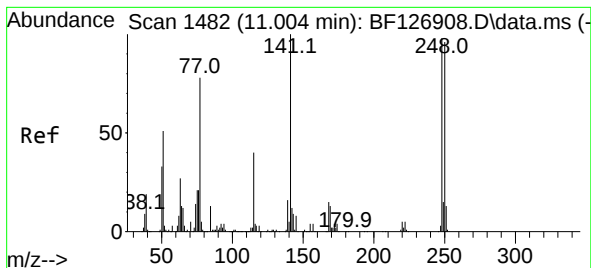
Tgt Ion:166 Resp: 47286
 Ion Ratio Lower Upper
 166 100
 165 102.2 77.7 116.5
 167 14.8 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1553
 Delta R.T. -0.006 min
 Lab File: BF127176.D
 Acq: 03 Mar 2022 17:36

Tgt Ion:188 Resp: 381810
 Ion Ratio Lower Upper
 188 100
 94 10.6 10.1 15.1
 80 12.7 11.8 17.6

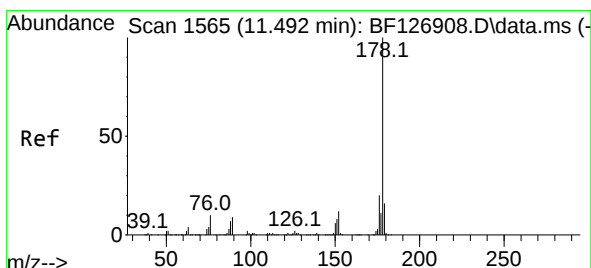
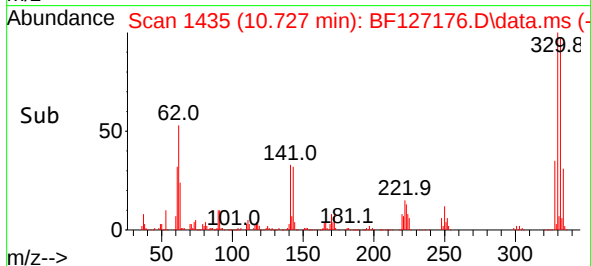
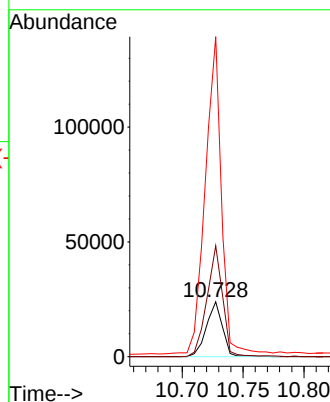
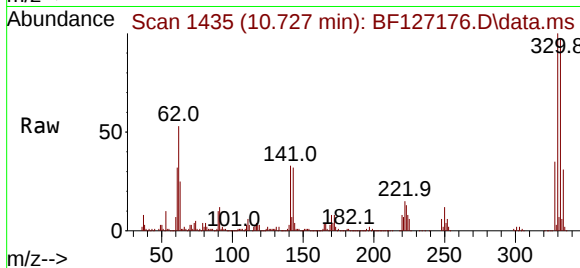




#67
4-Bromophenyl-phenylether
Concen: 5.167 ng
RT: 10.727 min Scan# 1482
Delta R.T. -0.241 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

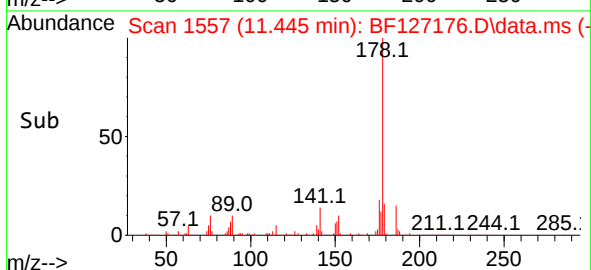
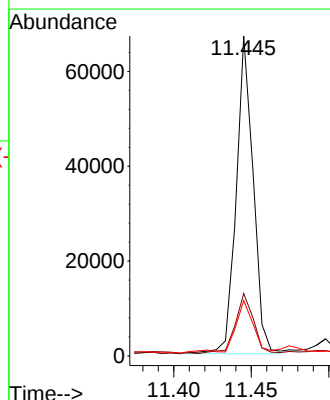
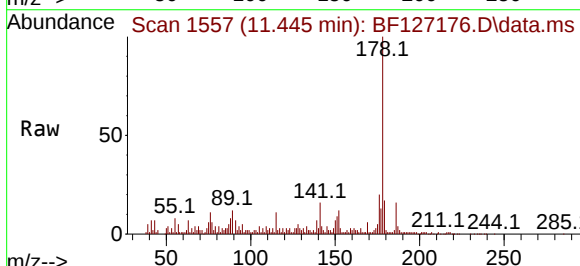
Instrument :
BNA_F
ClientSampleId :
MW-38

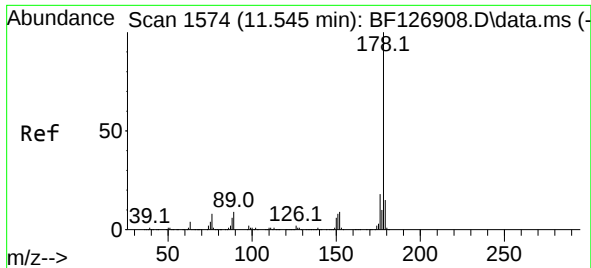
Tgt Ion:248 Resp: 22041
Ion Ratio Lower Upper
248 100
250 201.9 76.2 114.4#
141 582.7 66.2 99.4#



#71
Phenanthrene
Concen: 2.387 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF127176.D
Acq: 03 Mar 2022 17:36

Tgt Ion:178 Resp: 51002
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 17.3 12.3 18.5

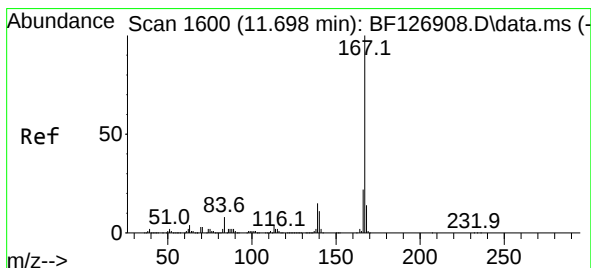
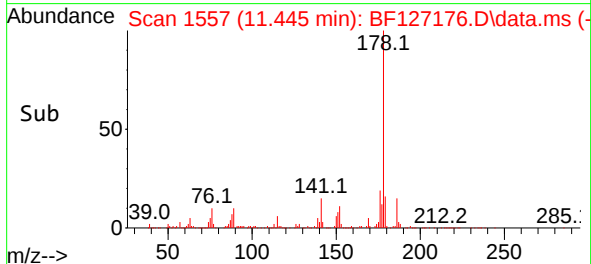
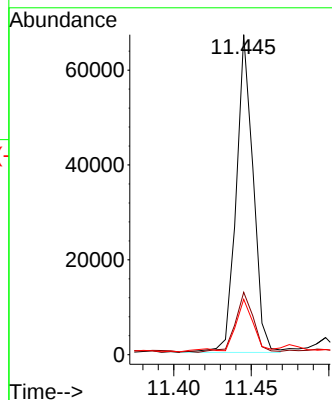
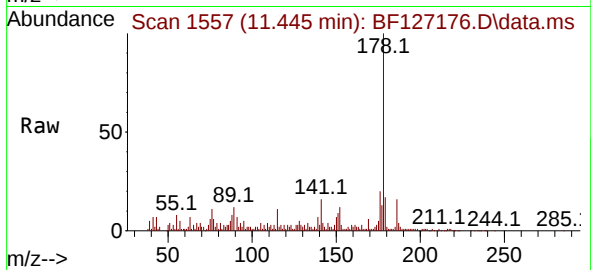




#72
 Anthracene
 Concen: 2.397 ng
 RT: 11.445 min Scan# 1593
 Delta R.T. -0.059 min
 Lab File: BF127176.D
 Acq: 03 Mar 2022 17:36

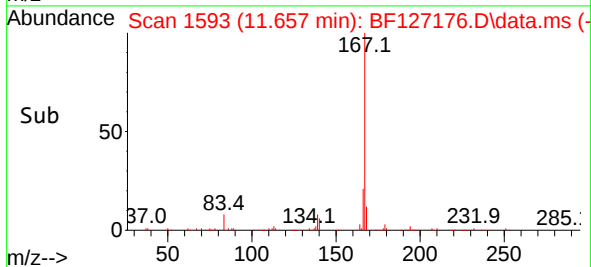
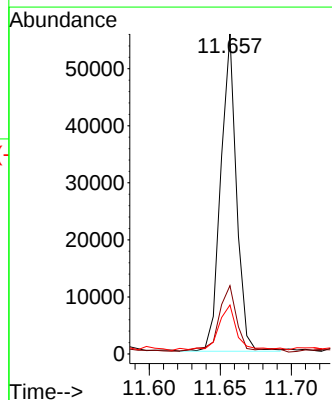
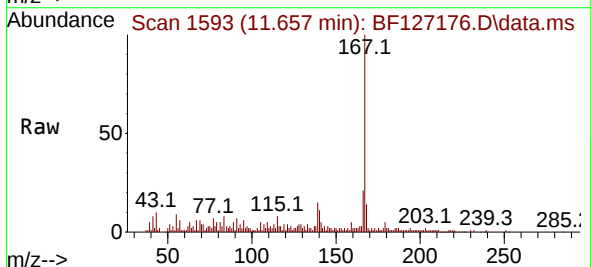
Instrument :
 BNA_F
 ClientSampleId :
 MW-38

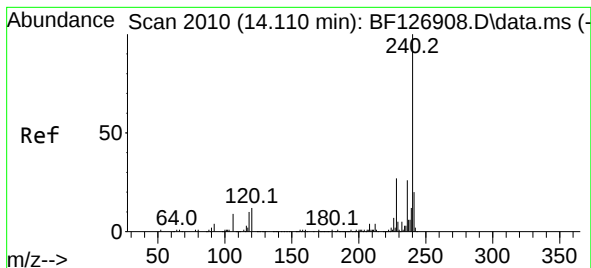
Tgt Ion:178 Resp: 51002
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.0 22.6
 179 17.3 12.5 18.7



#73
 Carbazole
 Concen: 2.192 ng
 RT: 11.657 min Scan# 1593
 Delta R.T. -0.006 min
 Lab File: BF127176.D
 Acq: 03 Mar 2022 17:36

Tgt Ion:167 Resp: 42764
 Ion Ratio Lower Upper
 167 100
 166 21.3 16.9 25.3
 139 15.3 11.3 16.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127176.D

Acq: 03 Mar 2022 17:36

Instrument :

BNA_F

ClientSampleId :

MW-38

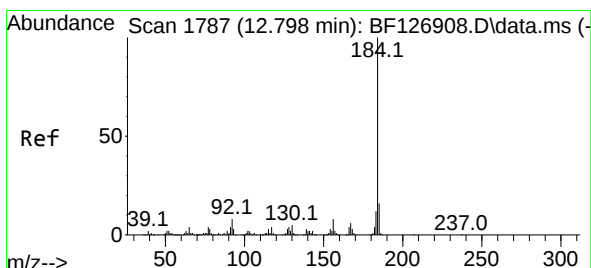
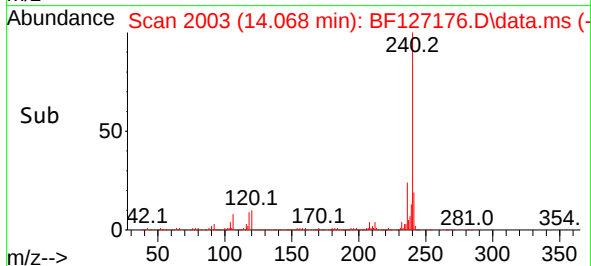
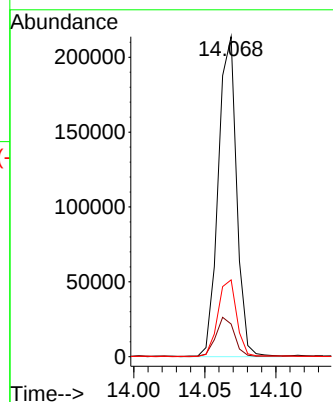
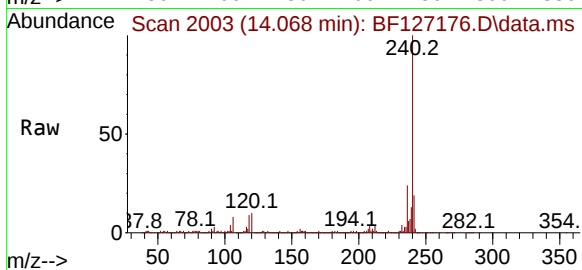
Tgt Ion:240 Resp: 192039

Ion Ratio Lower Upper

240 100

120 10.2 14.4 21.6#

236 24.0 20.5 30.7



#77

Benzidine

Concen: 4.025 ng

RT: 13.010 min Scan# 1823

Delta R.T. 0.247 min

Lab File: BF127176.D

Acq: 03 Mar 2022 17:36

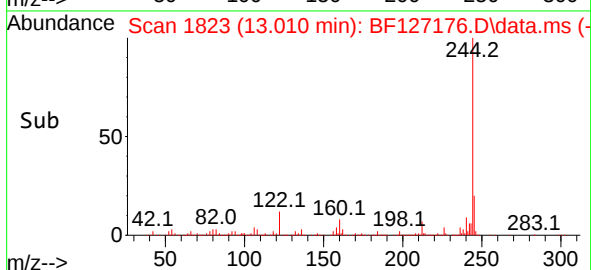
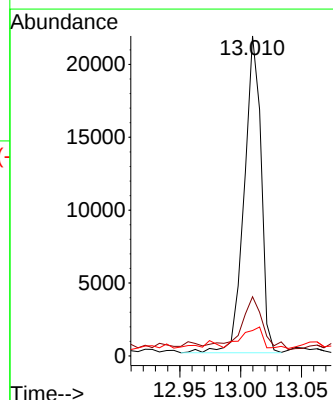
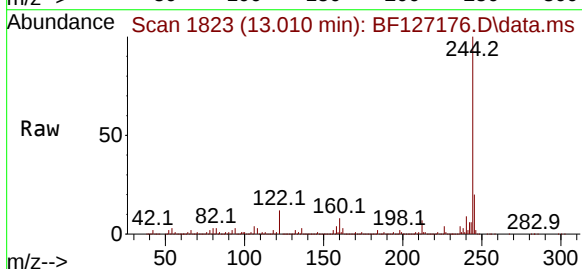
Tgt Ion:184 Resp: 21006

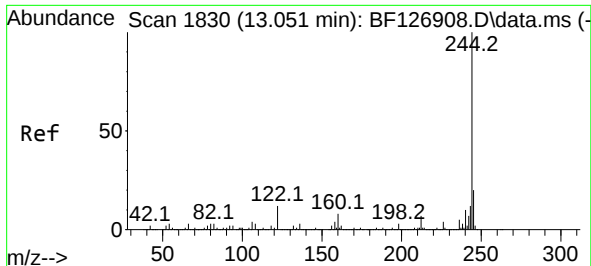
Ion Ratio Lower Upper

184 100

185 18.5 11.8 17.8#

183 8.0 8.2 12.2#

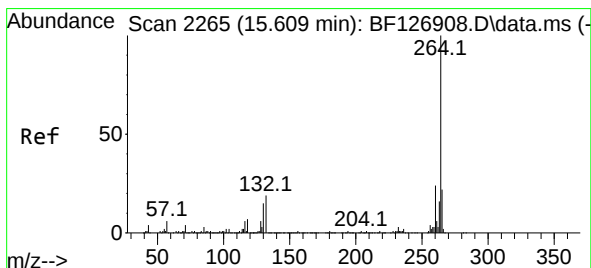
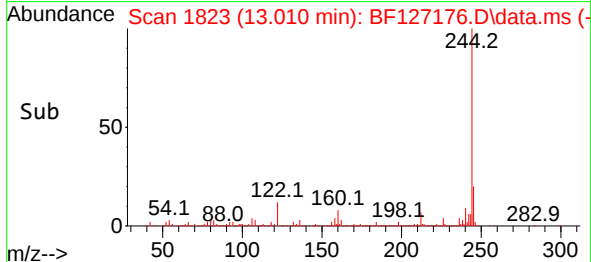
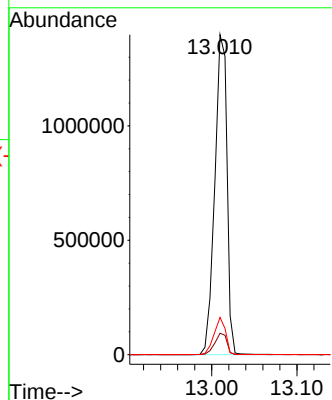
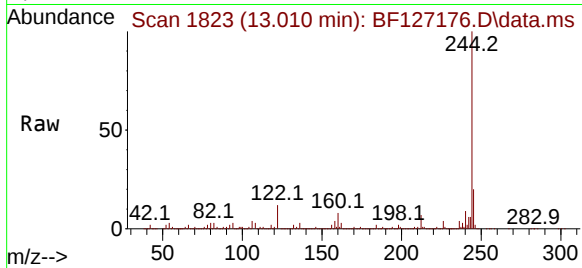




#79
 Terphenyl-d14
 Concen: 106.690 ng
 RT: 13.010 min Scan# 1823
 Delta R.T. -0.006 min
 Lab File: BF127176.D
 Acq: 03 Mar 2022 17:36

Instrument :
 BNA_F
 ClientSampleId :
 MW-38

Tgt Ion:244 Resp: 1393752
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.0 7.4
 122 11.6 13.3 19.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2257
 Delta R.T. -0.006 min
 Lab File: BF127176.D
 Acq: 03 Mar 2022 17:36

Tgt Ion:264 Resp: 187109
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.2 28.8
 265 20.2 17.4 26.2

