

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082922\
 Data File : BF130038.D
 Acq On : 29 Aug 2022 17:05
 Operator : CG\JU
 Sample : N4355-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-23

Quant Time: Aug 30 01:28:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 30 01:22:56 2022
 Response via : Initial Calibration

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

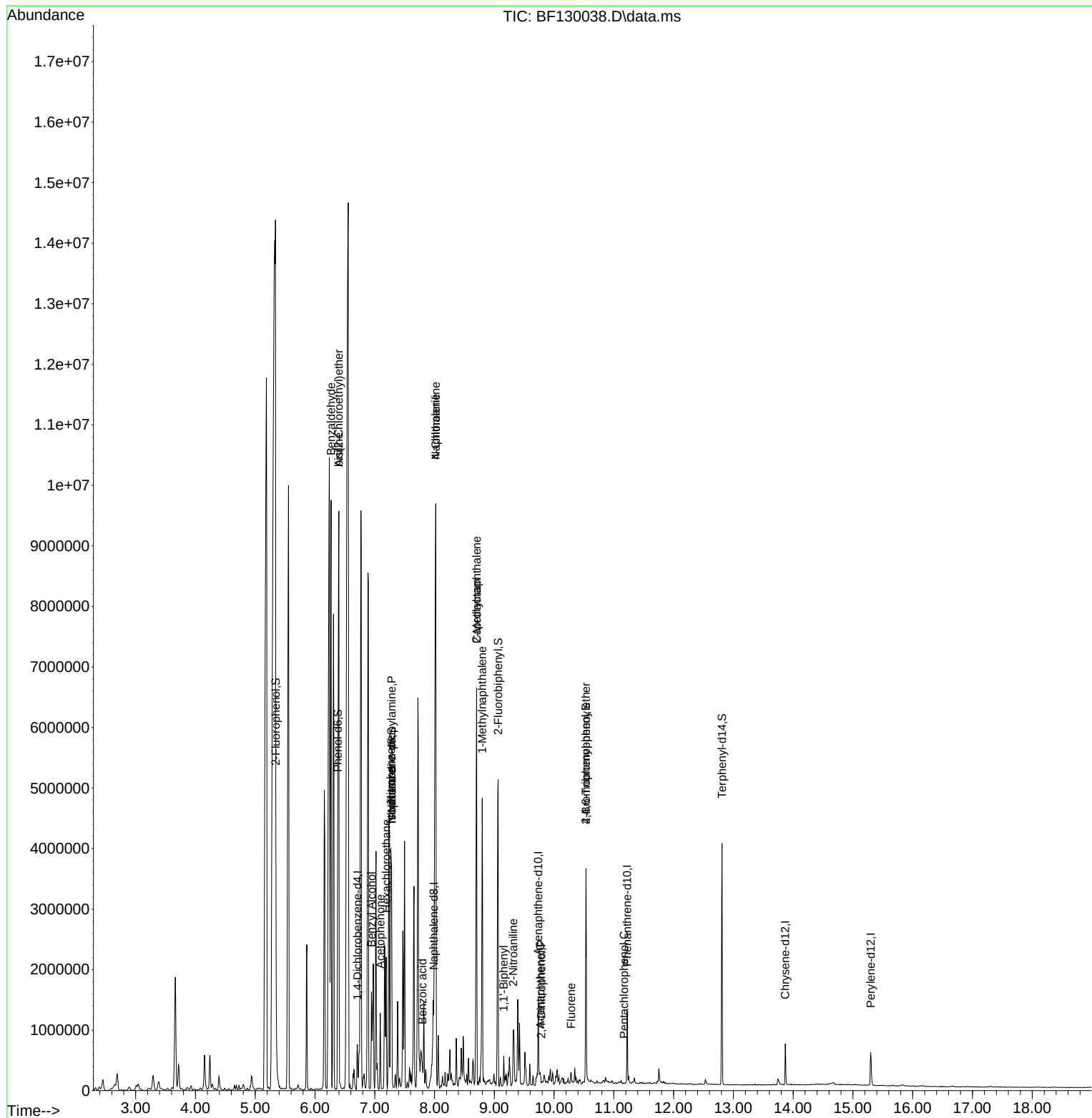
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	116612	20.000	ng	0.00
21) Naphthalene-d8	7.987	136	459733	20.000	ng	0.00
39) Acenaphthene-d10	9.733	164	256015	20.000	ng	0.00
64) Phenanthrene-d10	11.222	188	415236	20.000	ng	0.00
76) Chrysene-d12	13.868	240	209738	20.000	ng	0.00
86) Perylene-d12	15.298	264	240288	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	568809	80.762	ng	0.01
7) Phenol-d6	6.381	99	463984	52.607	ng	0.01
23) Nitrobenzene-d5	7.281	82	891957	103.860	ng	0.00
42) 2,4,6-Tribromophenol	10.533	330	427546	166.393	ng	0.00
45) 2-Fluorobiphenyl	9.063	172	1654981	98.181	ng	0.00
79) Terphenyl-d14	12.810	244	1274246	101.091	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.398	93	21620	2.151	ng	# 1
9) Benzaldehyde	6.269	77	438863	103.571	ng	# 1
11) bis(2-Chloroethyl)ether	6.398	93	21620	2.943	ng	# 1
15) Benzyl Alcohol	6.945	79	30863	4.635	ng	# 1
18) Hexachloroethane	7.192	117	56682	17.452	ng	# 1
19) n-Nitroso-di-n-propyla...	7.281	70	122676	22.005	ng	# 77
22) Acetophenone	7.092	105	455464	40.655	ng	# 56
24) Nitrobenzene	7.269	77	69976	8.081	ng	# 1
25) Isophorone	7.281	82	890918	60.273	ng	# 65
31) Naphthalene	8.022	128	5668998	235.838	ng	# 94
32) Benzoic acid	7.798	122	4732	4.396	ng	# 1
33) 4-Chloroaniline	8.022	127	839700	88.832	ng	# 33
35) Caprolactam	8.704	113	48859	23.521	ng	# 1
37) 2-Methylnaphthalene	8.704	142	1901712	120.539	ng	99
38) 1-Methylnaphthalene	8.798	142	1232311	80.372	ng	99
46) 1,1'-Biphenyl	9.157	154	116506	5.990	ng	99
48) 2-Nitroaniline	9.316	65	10760	2.213	ng	# 28
52) Acenaphthene	9.769	154	28752	2.031	ng	93
54) 2,4-Dinitrophenol	9.786	184	66	5.506	ng	# 1
58) Fluorene	10.286	166	45613	2.568	ng	99
67) 4-Bromophenyl-phenylether	10.533	248	26388	5.426	ng	# 1
70) Pentachlorophenol	11.169	266	53	5.213	ng	# 20
77) Benzidine	12.810	184	19743	Below Cal		# 91

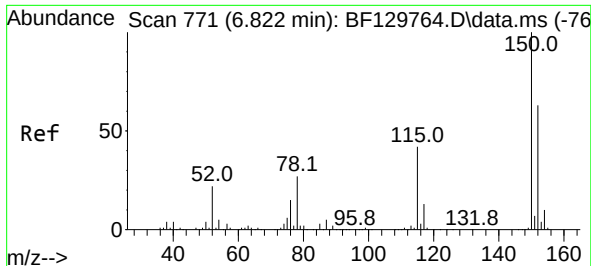
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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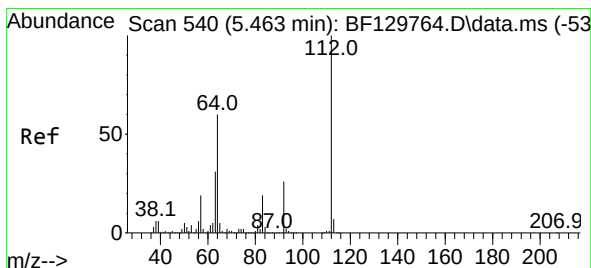
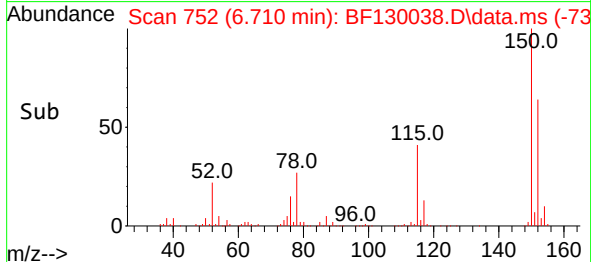
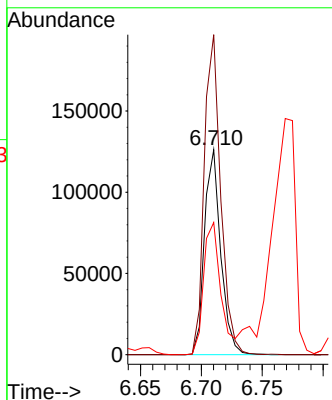
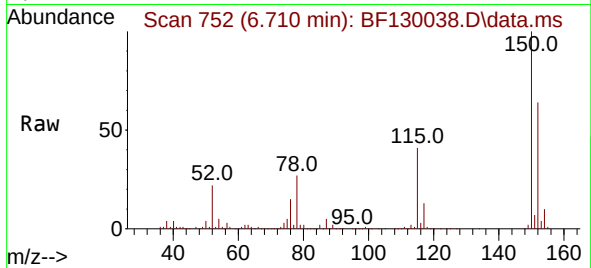




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

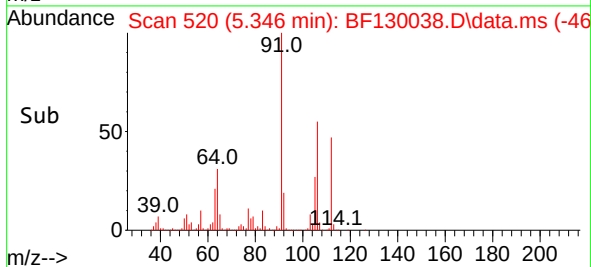
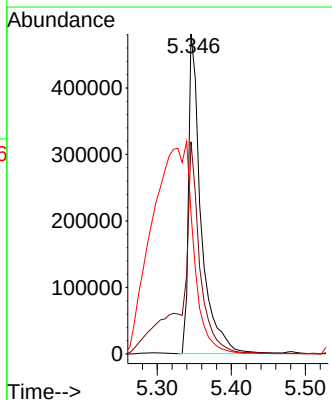
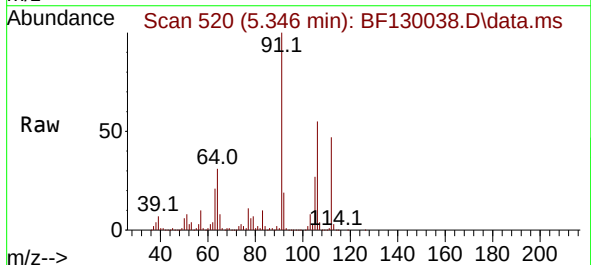
Instrument :
BNA_F
ClientSampleId :
MW-23

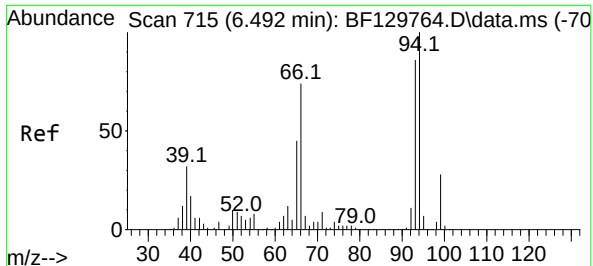
Tgt Ion:152 Resp: 116612
Ion Ratio Lower Upper
152 100
150 156.1 126.9 190.3
115 64.5 53.4 80.0



#5
2-Fluorophenol
Concen: 80.762 ng
RT: 5.346 min Scan# 520
Delta R.T. 0.012 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion:112 Resp: 568809
Ion Ratio Lower Upper
112 100
64 66.3 47.6 71.4
63 44.0 24.6 37.0#

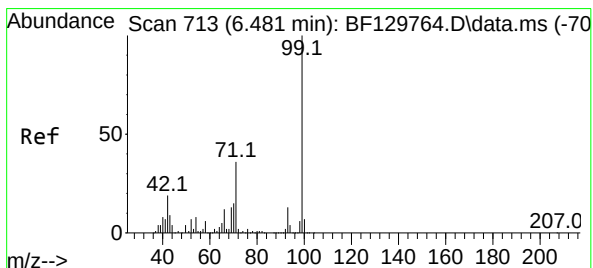
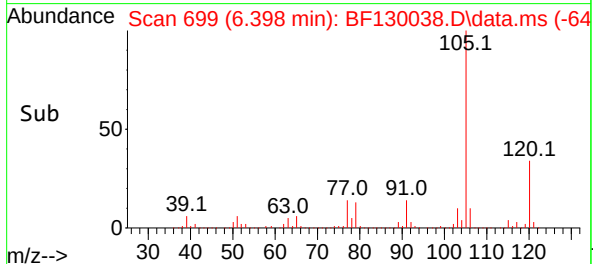
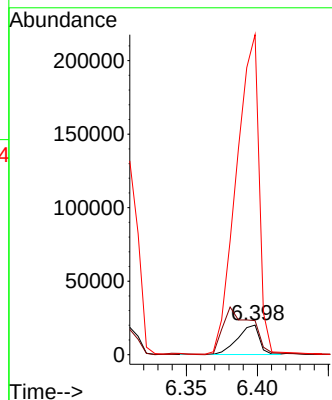
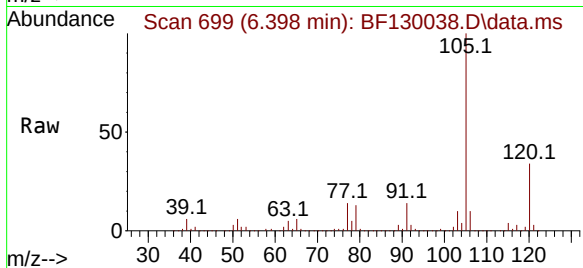




#6
Aniline
Concen: 2.151 ng
RT: 6.398 min Scan# 64
Delta R.T. 0.024 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

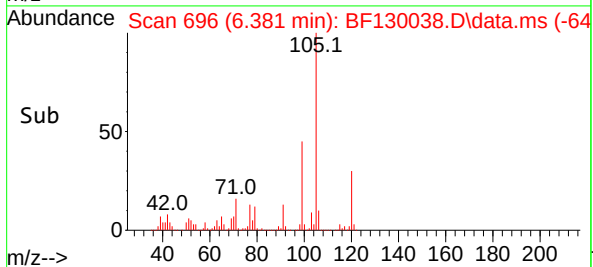
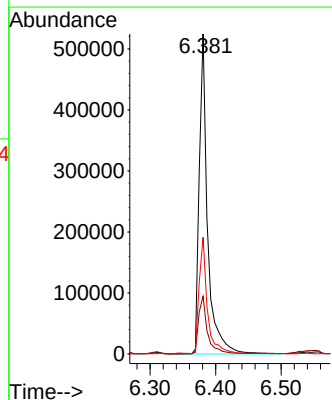
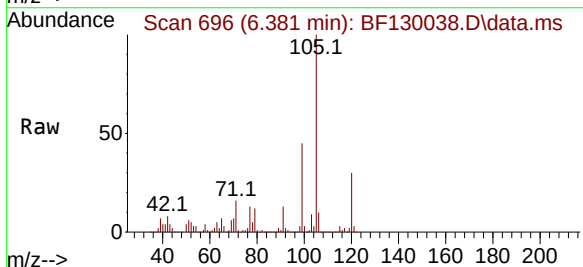
Instrument :
BNA_F
ClientSampleId :
MW-23

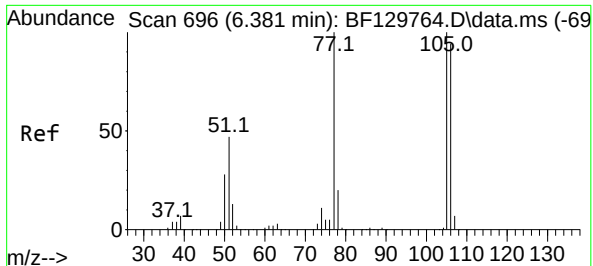
Tgt Ion: 93 Resp: 21620
Ion Ratio Lower Upper
93 100
66 115.1 68.7 103.1#
65 1081.0 41.6 62.4#



#7
Phenol-d6
Concen: 52.607 ng
RT: 6.381 min Scan# 696
Delta R.T. 0.012 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion: 99 Resp: 463984
Ion Ratio Lower Upper
99 100
42 18.0 15.0 22.4
71 36.5 28.8 43.2





#9

Benzaldehyde

Concen: 103.571 ng

RT: 6.269 min Scan# 61

Delta R.T. 0.006 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

Instrument :

BNA_F

ClientSampleId :

MW-23

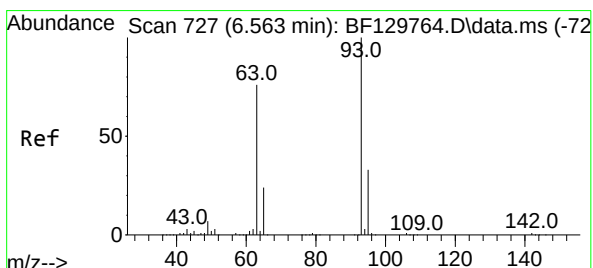
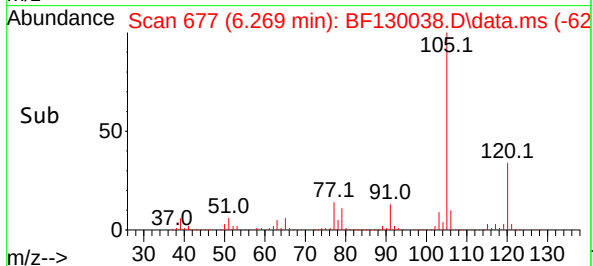
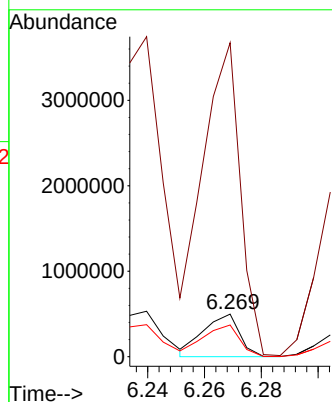
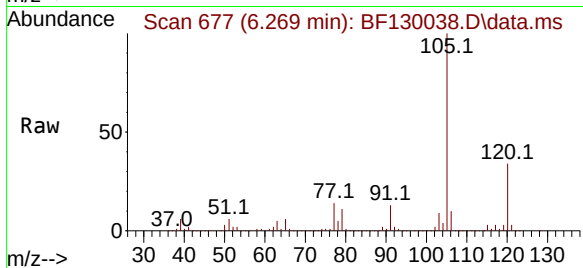
Tgt Ion: 77 Resp: 438863

Ion Ratio Lower Upper

77 100

105 738.7 80.3 120.3#

106 74.5 74.3 114.3



#11

bis(2-Chloroethyl)ether

Concen: 2.943 ng

RT: 6.398 min Scan# 699

Delta R.T. -0.047 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

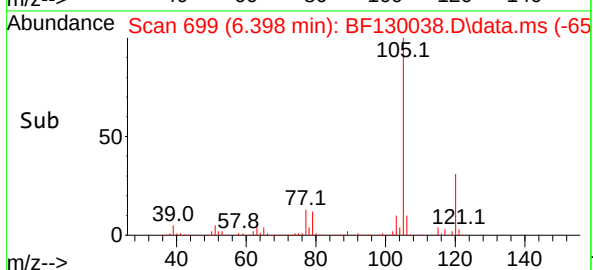
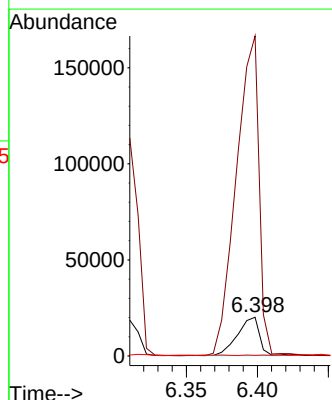
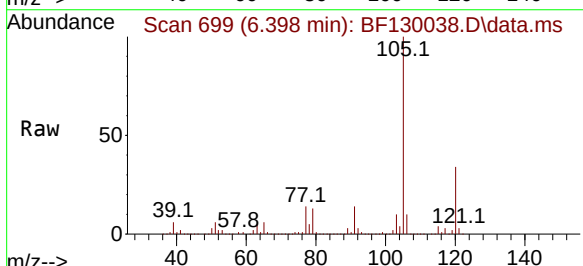
Tgt Ion: 93 Resp: 21620

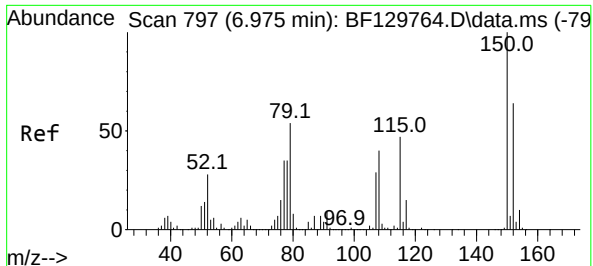
Ion Ratio Lower Upper

93 100

63 827.0 55.9 95.9#

95 1.7 12.3 52.3#

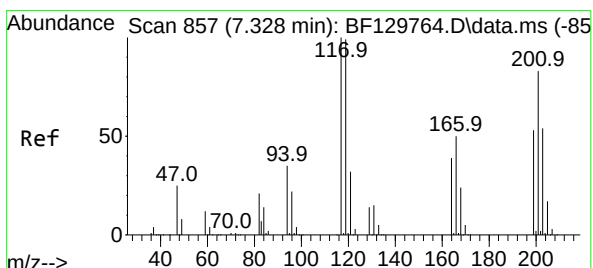
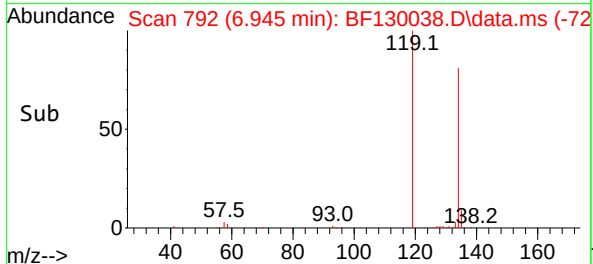
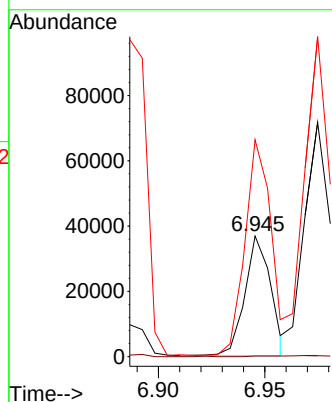
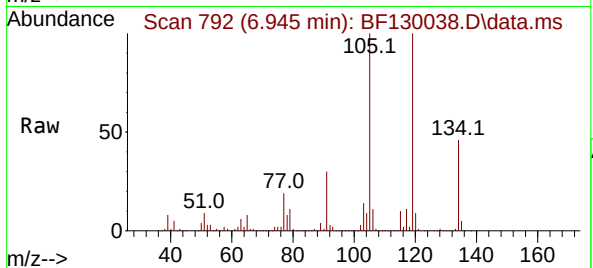




#15
Benzyl Alcohol
Concen: 4.635 ng
RT: 6.945 min Scan# 79
Delta R.T. 0.083 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

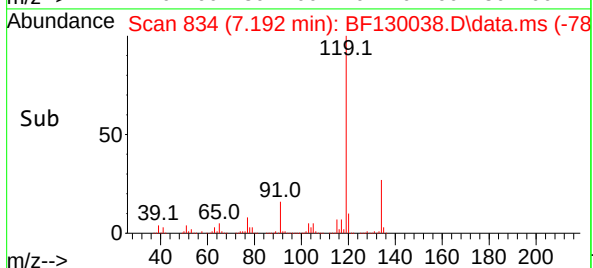
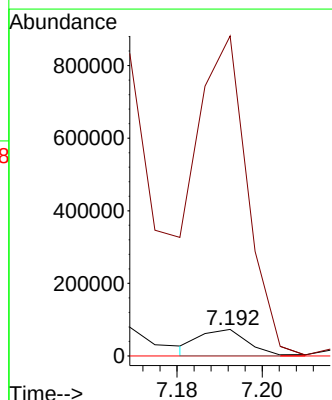
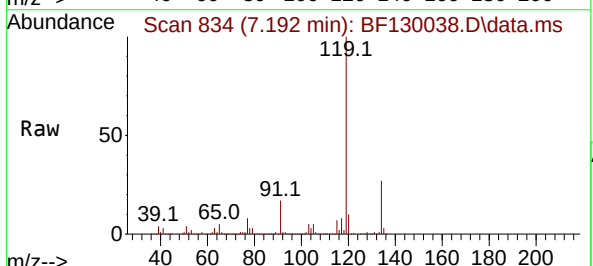
Instrument :
BNA_F
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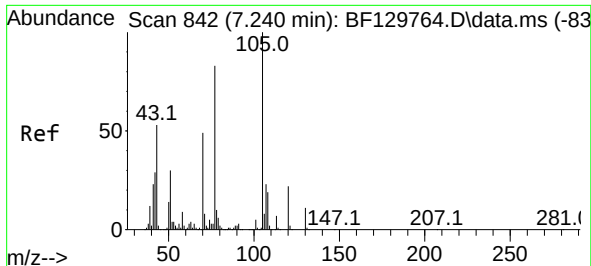
Tgt Ion: 79 Resp: 30863
Ion Ratio Lower Upper
79 100
108 0.5 59.2 88.8#
77 180.0 51.9 77.9#



#18
Hexachloroethane
Concen: 17.452 ng
RT: 7.192 min Scan# 834
Delta R.T. -0.012 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion: 117 Resp: 56682
Ion Ratio Lower Upper
117 100
119 1204.5 79.1 118.7#
201 0.0 66.6 100.0#





#19

n-Nitroso-di-n-propylamine

Concen: 22.005 ng

RT: 7.281 min Scan# 84

Delta R.T. 0.153 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

Instrument :

BNA_F

ClientSampleId :

MW-23

Tgt Ion: 70 Resp: 122676

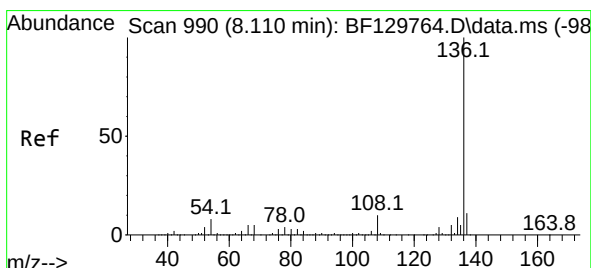
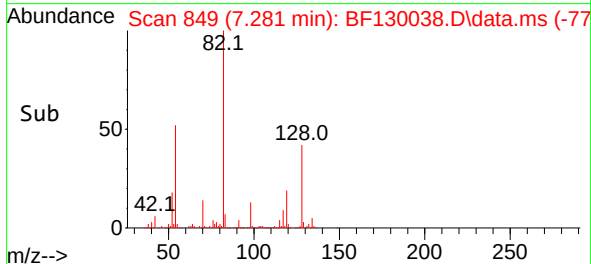
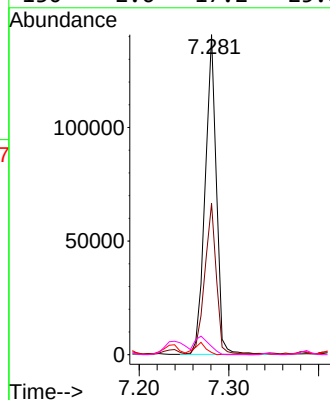
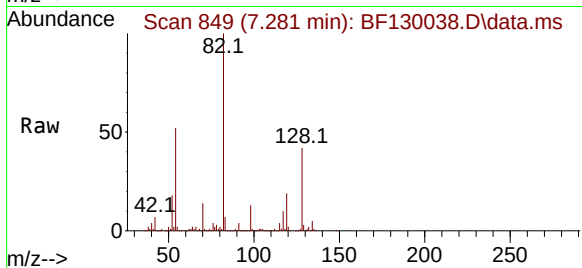
Ion Ratio Lower Upper

70 100

42 47.3 47.6 71.4#

101 0.7 8.1 12.1#

130 2.6 17.2 25.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.987 min Scan# 969

Delta R.T. 0.000 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

Tgt Ion:136 Resp: 459733

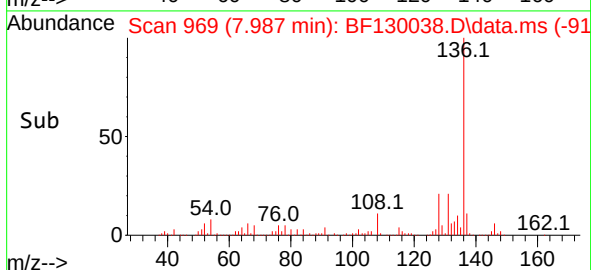
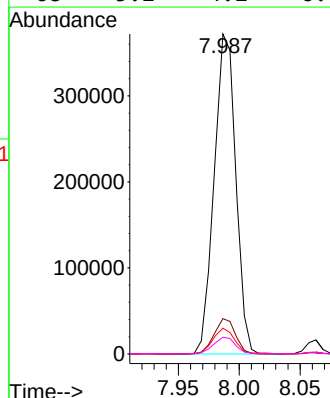
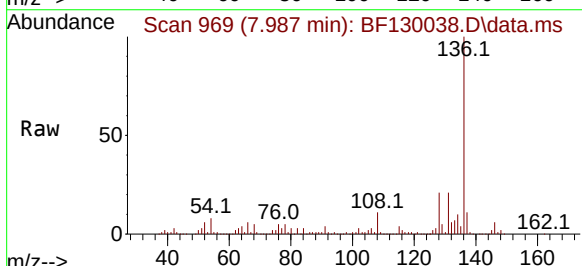
Ion Ratio Lower Upper

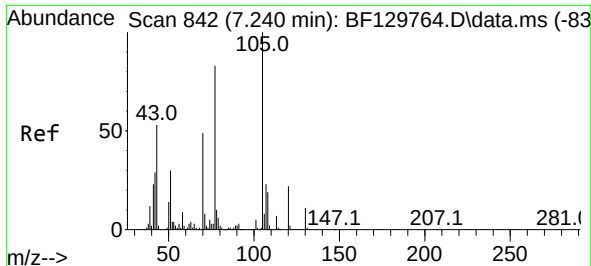
136 100

137 11.1 8.4 12.6

54 8.1 6.2 9.2

68 5.2 4.2 6.4

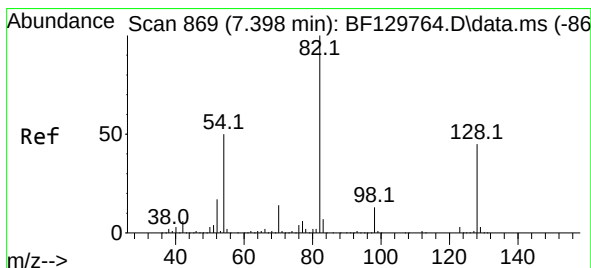
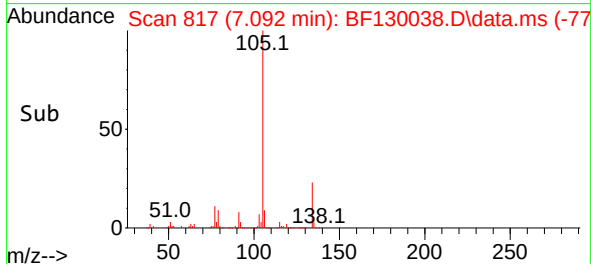
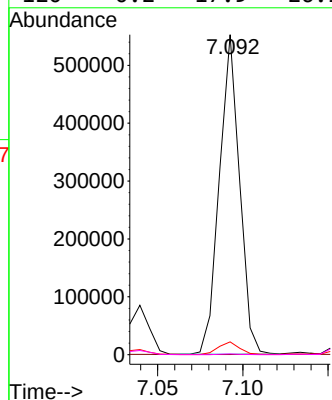
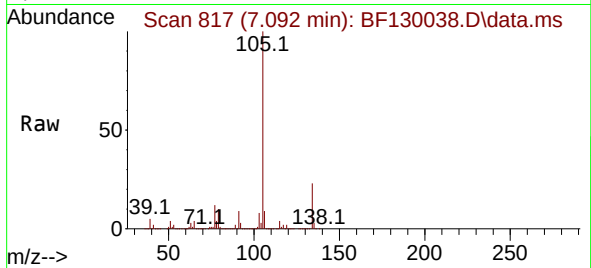




#22
Acetophenone
Concen: 40.655 ng
RT: 7.092 min Scan# 817
Delta R.T. -0.029 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

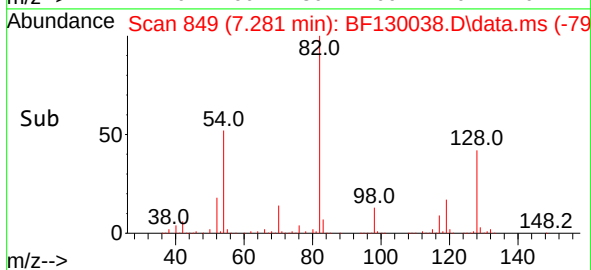
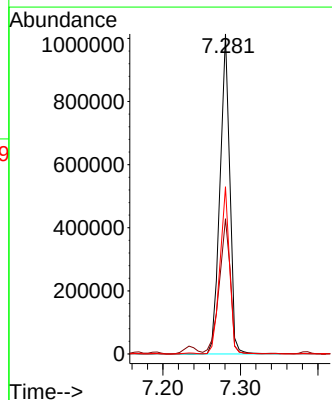
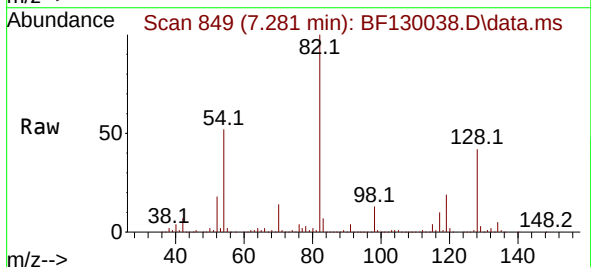
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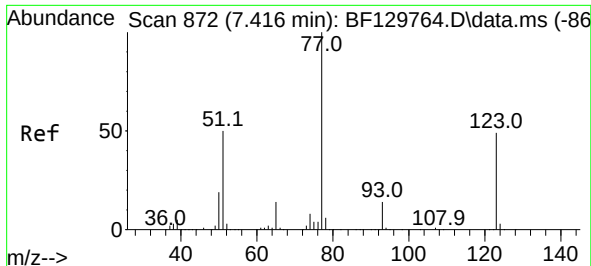
Tgt Ion:105 Resp: 455464
Ion Ratio Lower Upper
105 100
71 0.1 6.6 9.8#
51 4.0 23.8 35.8#
120 0.2 17.9 26.9#



#23
Nitrobenzene-d5
Concen: 103.860 ng
RT: 7.281 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion: 82 Resp: 891957
Ion Ratio Lower Upper
82 100
128 42.2 36.1 54.1
54 52.2 40.0 60.0

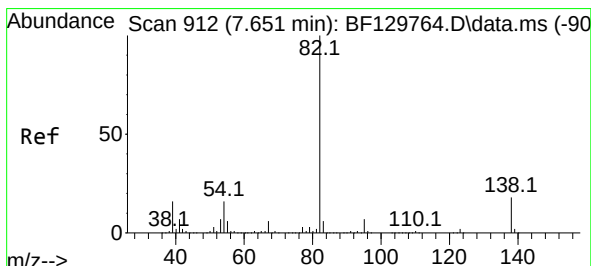
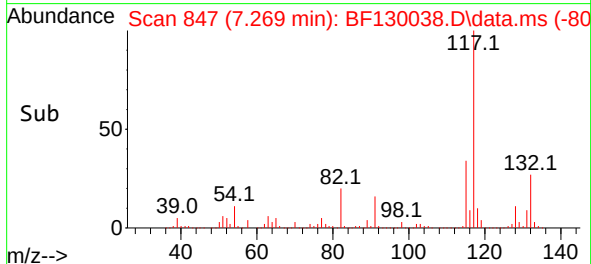
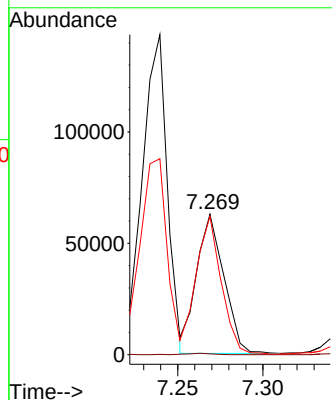
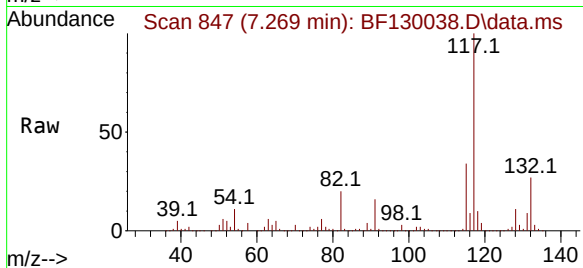




#24
Nitrobenzene
Concen: 8.081 ng
RT: 7.269 min Scan# 847
Delta R.T. -0.029 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

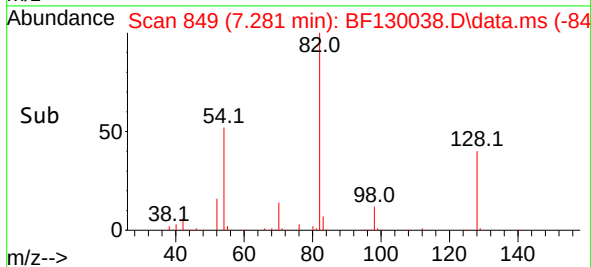
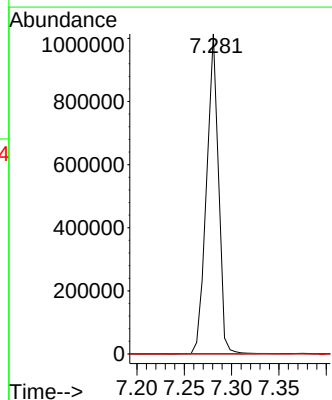
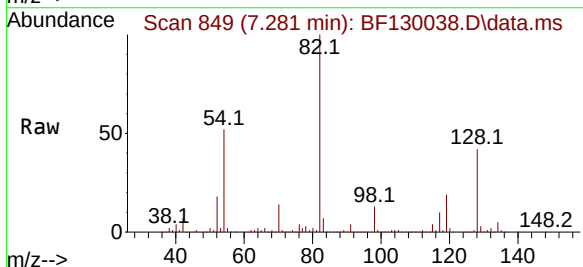
Instrument :
BNA_F
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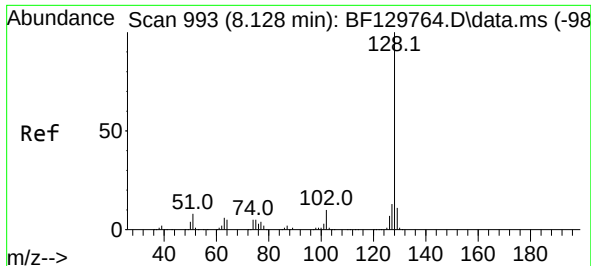
Tgt Ion: 77 Resp: 69976
Ion Ratio Lower Upper
77 100
123 0.5 39.2 58.8#
65 98.5 11.1 16.7#



#25
Isophorone
Concen: 60.273 ng
RT: 7.281 min Scan# 849
Delta R.T. -0.253 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion: 82 Resp: 890918
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

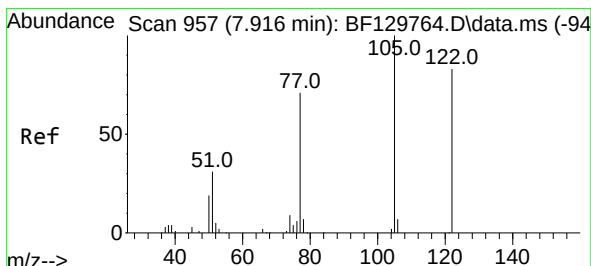
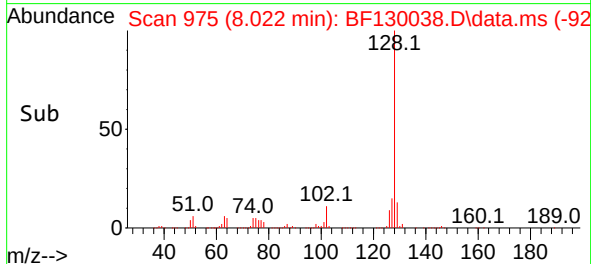
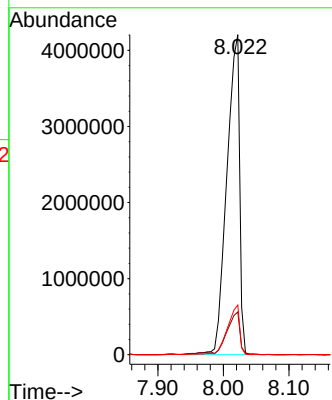
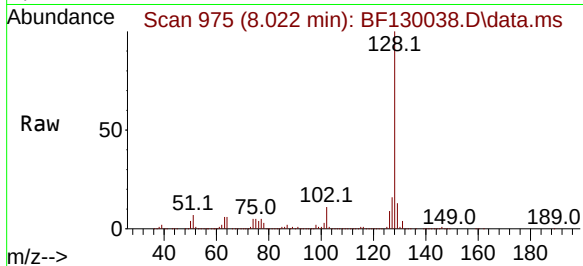




#31
Naphthalene
Concen: 235.838 ng
RT: 8.022 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

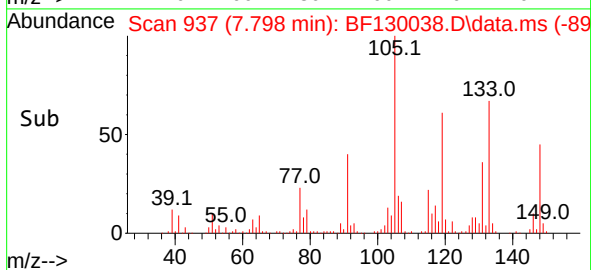
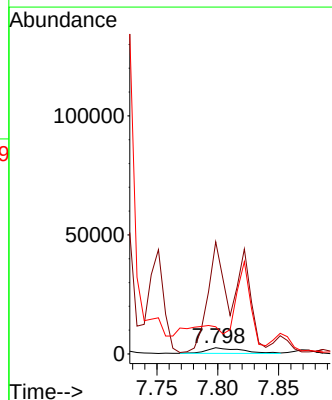
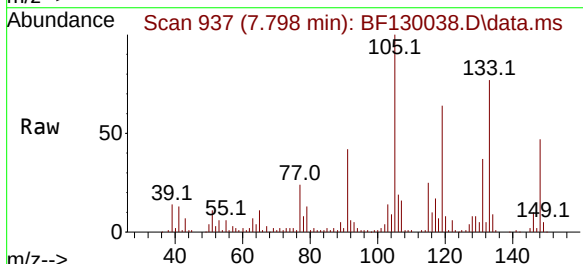
Instrument :
BNA_F
ClientSampleId :
MW-23

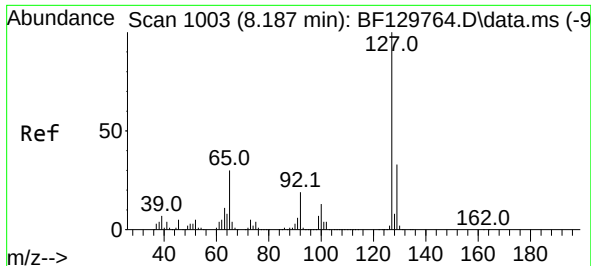
Tgt Ion:128 Resp: 5668998
Ion Ratio Lower Upper
128 100
129 13.3 8.9 13.3#
127 15.5 10.7 16.1



#32
Benzoic acid
Concen: 4.396 ng
RT: 7.798 min Scan# 937
Delta R.T. -0.023 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion:122 Resp: 4732
Ion Ratio Lower Upper
122 100
105 1814.0 99.9 139.9#
77 441.0 65.9 105.9#





#33

4-Chloroaniline

Concen: 88.832 ng

RT: 8.022 min Scan# 91

Delta R.T. -0.047 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

Instrument :

BNA_F

ClientSampleId :

MW-23

Tgt Ion:127 Resp: 839700

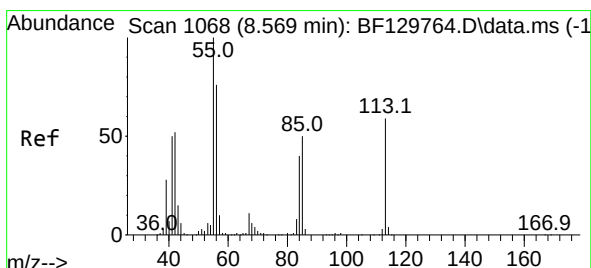
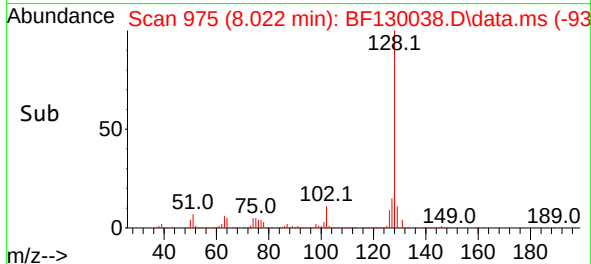
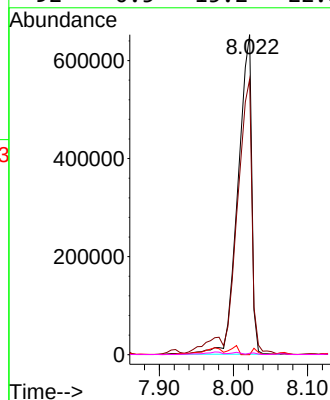
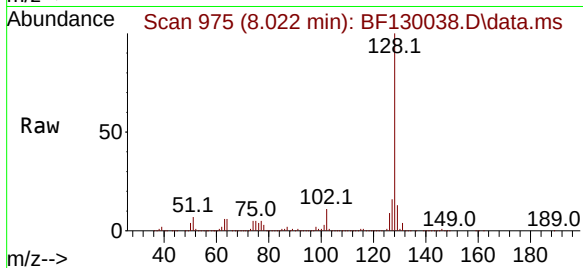
Ion Ratio Lower Upper

127 100

129 86.0 26.7 40.1#

65 0.0 24.2 36.2#

92 0.5 15.2 22.8#



#35

Caprolactam

Concen: 23.521 ng

RT: 8.704 min Scan# 1091

Delta R.T. 0.247 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

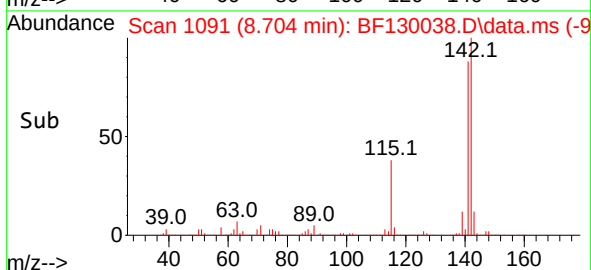
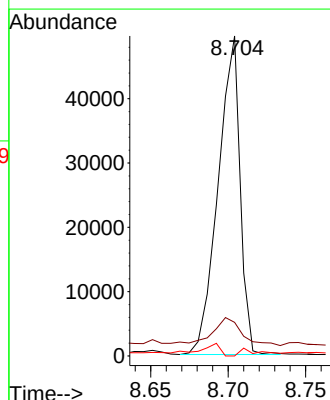
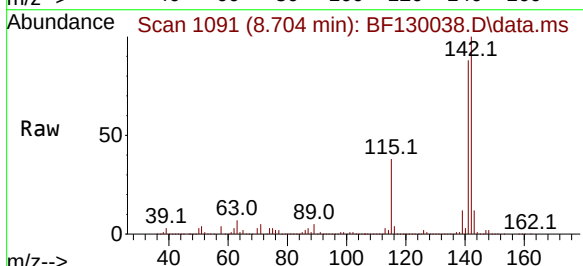
Tgt Ion:113 Resp: 48859

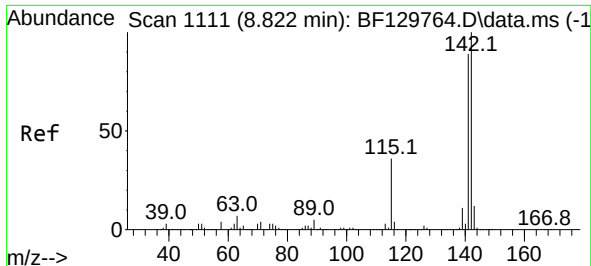
Ion Ratio Lower Upper

113 100

55 10.5 148.8 188.8#

56 0.0 109.1 149.1#





#37

2-Methylnaphthalene

Concen: 120.539 ng

RT: 8.704 min Scan# 1107

Delta R.T. 0.006 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

Instrument :

BNA_F

ClientSampleId :

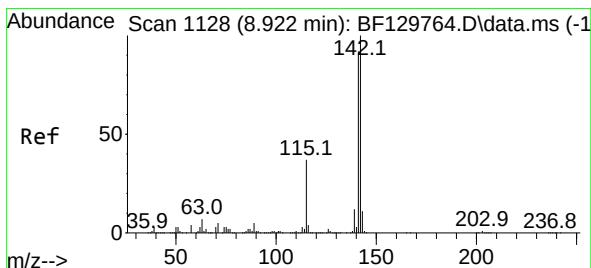
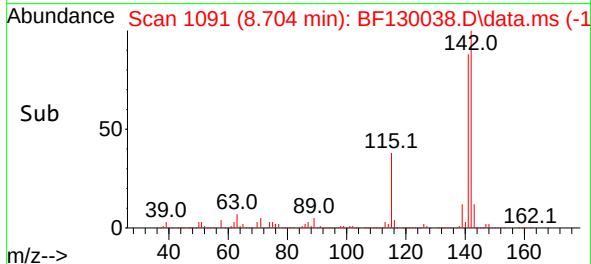
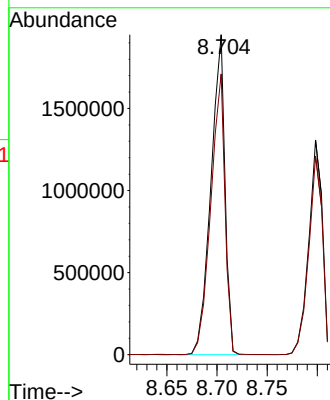
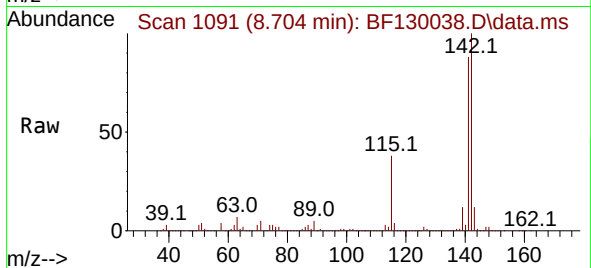
MW-23

Tgt Ion:142 Resp: 1901712

Ion Ratio Lower Upper

142 100

141 87.7 70.9 106.3



#38

1-Methylnaphthalene

Concen: 80.372 ng

RT: 8.798 min Scan# 1107

Delta R.T. 0.000 min

Lab File: BF130038.D

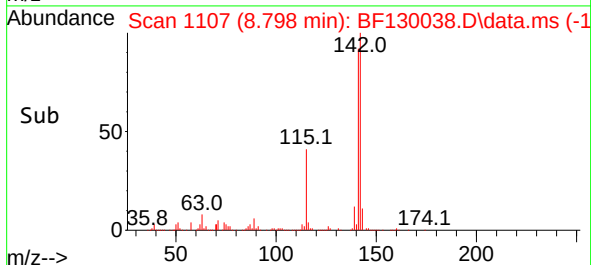
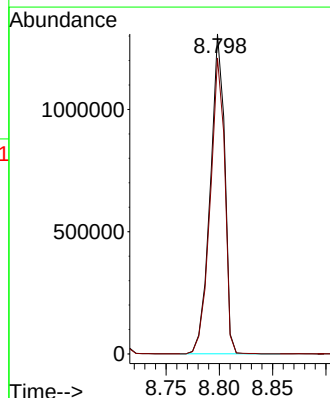
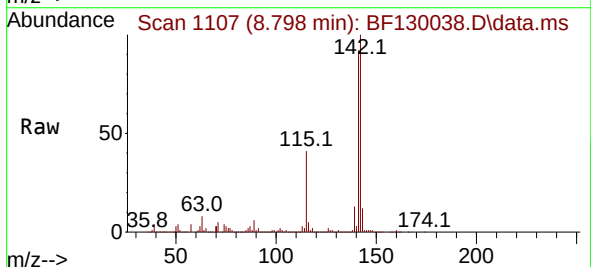
Acq: 29 Aug 2022 17:05

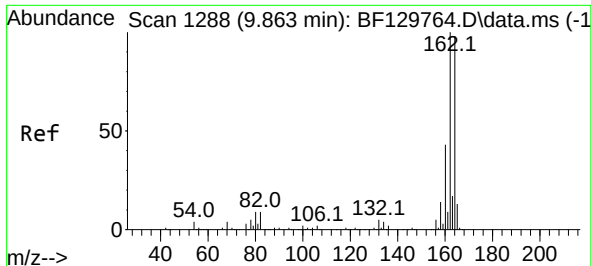
Tgt Ion:142 Resp: 1232311

Ion Ratio Lower Upper

142 100

141 92.5 73.5 110.3

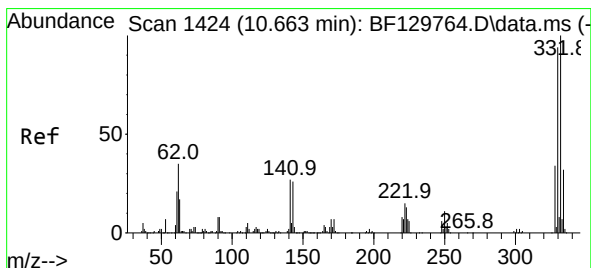
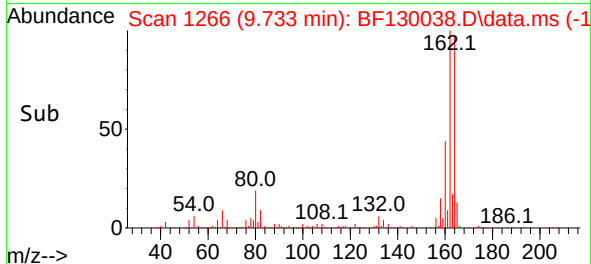
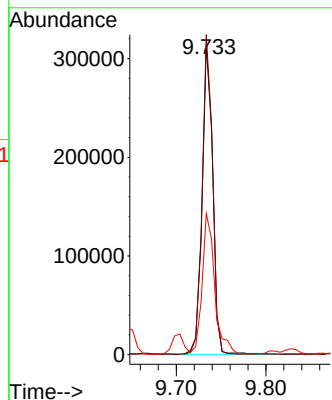
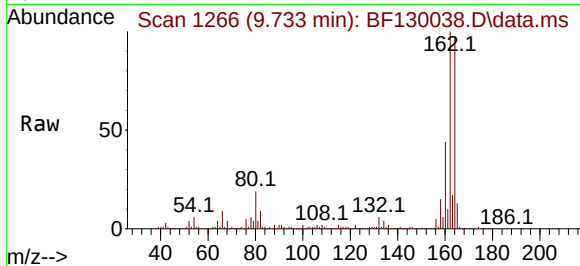




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.733 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

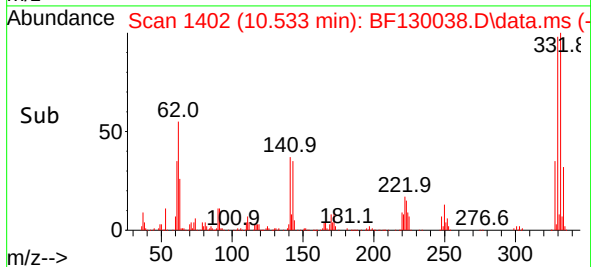
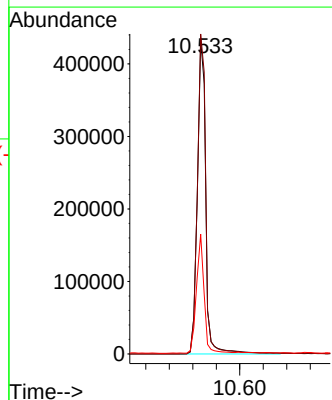
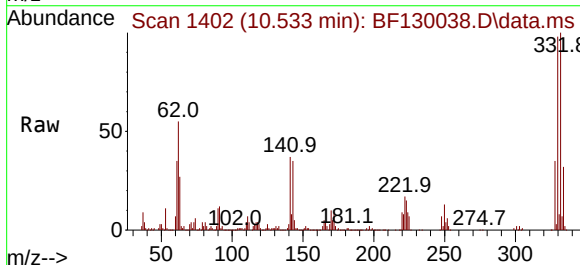
Instrument :
BNA_F
ClientSampleId :
MW-23

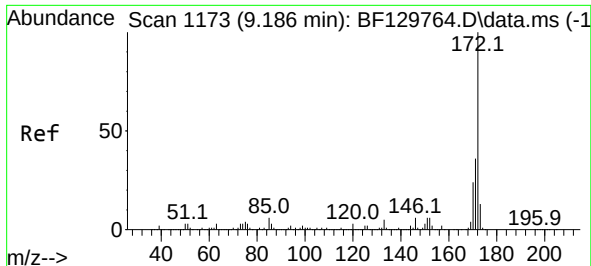
Tgt Ion:164 Resp: 256015
Ion Ratio Lower Upper
164 100
162 103.4 82.0 123.0
160 45.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 166.393 ng
RT: 10.533 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion:330 Resp: 427546
Ion Ratio Lower Upper
330 100
332 102.2 82.6 124.0
141 34.6 27.6 41.4

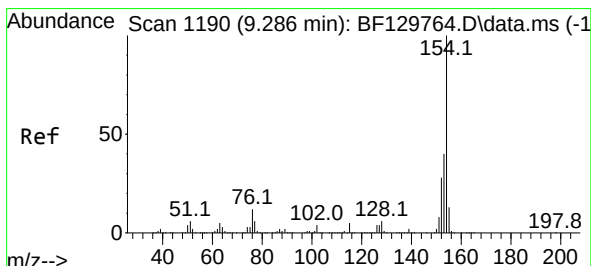
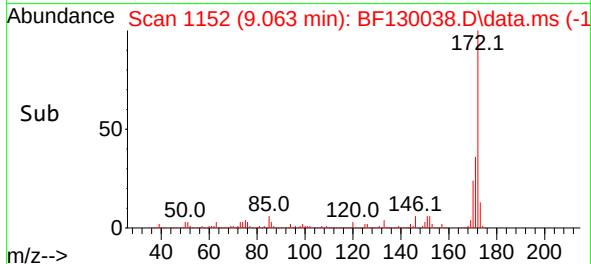
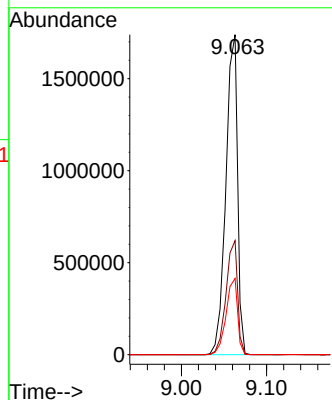
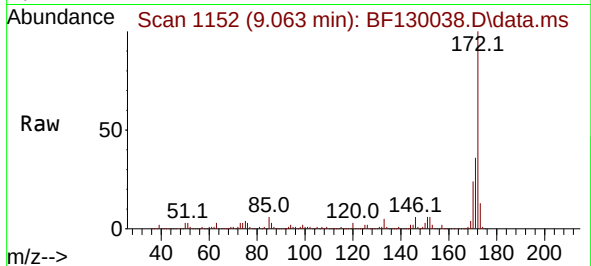




#45
2-Fluorobiphenyl
Concen: 98.181 ng
RT: 9.063 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

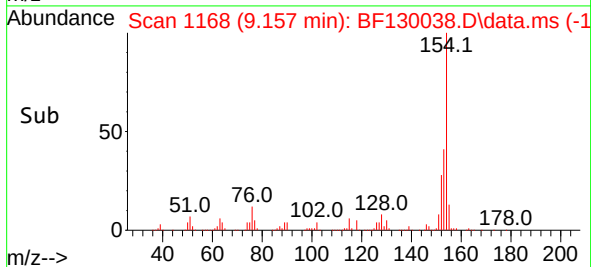
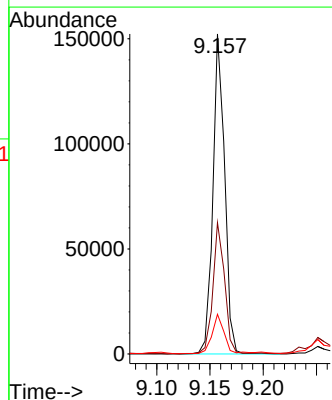
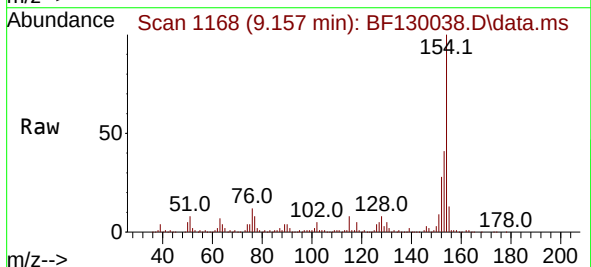
Instrument :
BNA_F
ClientSampleId :
MW-23

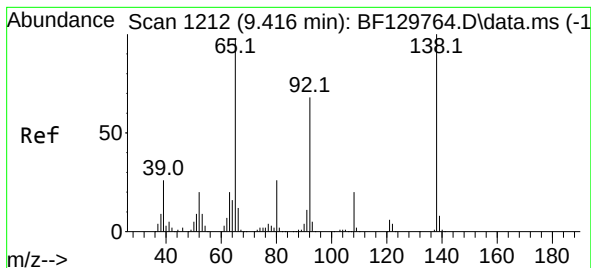
Tgt Ion:172 Resp: 1654981
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.9 19.1 28.7



#46
1,1'-Biphenyl
Concen: 5.990 ng
RT: 9.157 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion:154 Resp: 116506
Ion Ratio Lower Upper
154 100
153 41.0 20.2 60.2
76 12.4 0.0 32.1





#48

2-Nitroaniline

Concen: 2.213 ng

RT: 9.316 min Scan# 1195

Delta R.T. 0.012 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

Instrument :

BNA_F

ClientSampleId :

MW-23

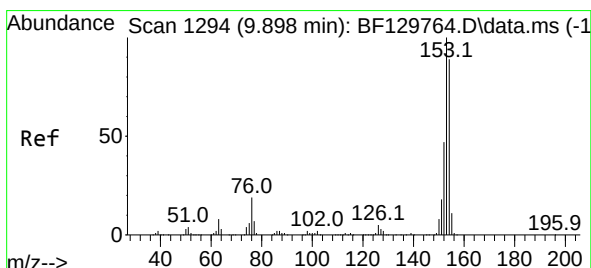
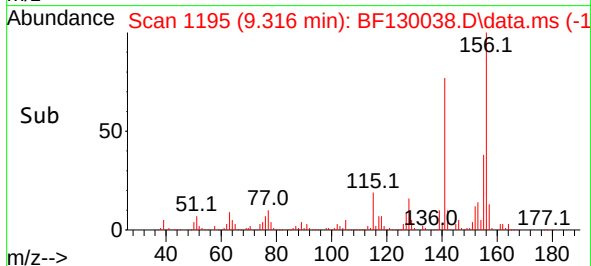
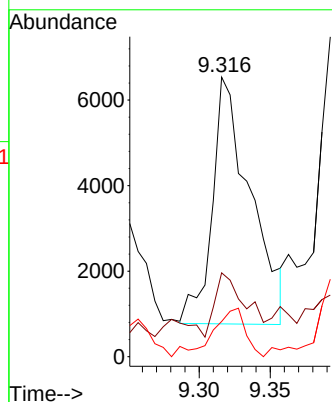
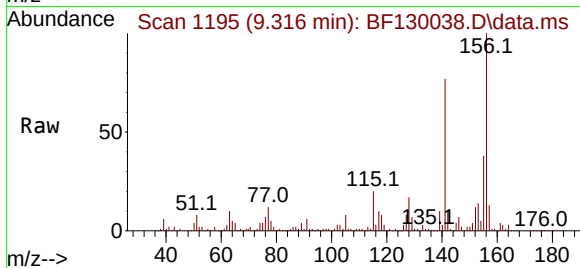
Tgt Ion: 65 Resp: 10760

Ion Ratio Lower Upper

65 100

92 30.0 55.0 82.4#

138 12.6 81.3 121.9#



#52

Acenaphthene

Concen: 2.031 ng

RT: 9.769 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

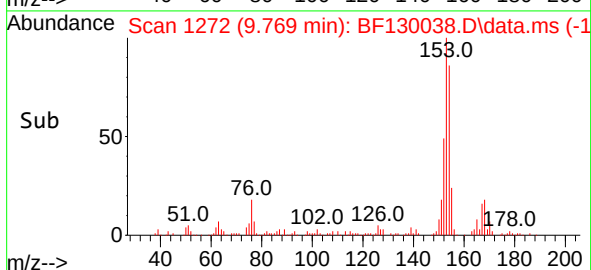
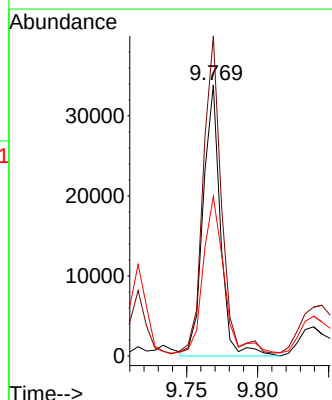
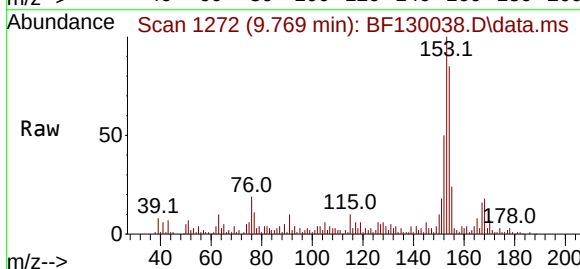
Tgt Ion: 154 Resp: 28752

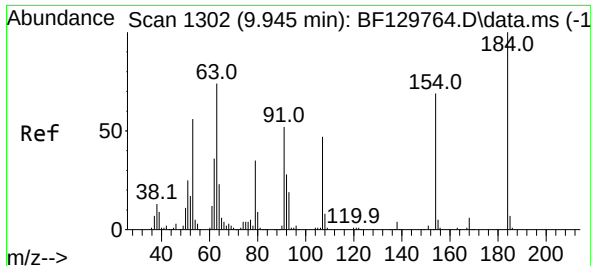
Ion Ratio Lower Upper

154 100

153 118.1 89.8 134.6

152 58.8 42.1 63.1

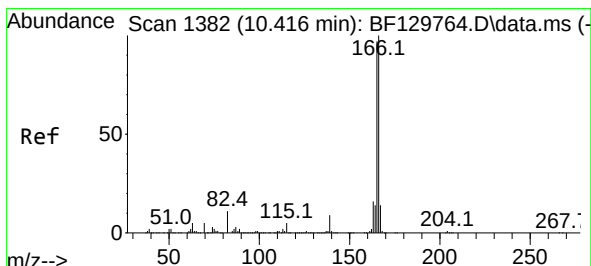
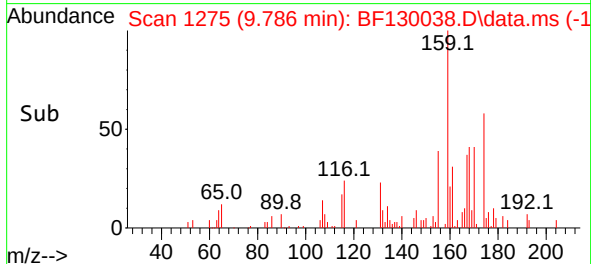
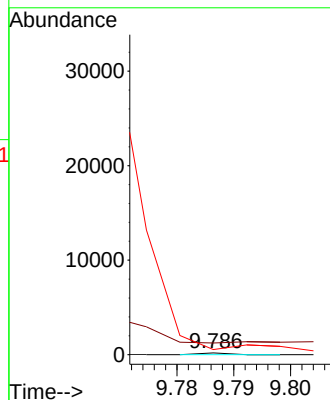
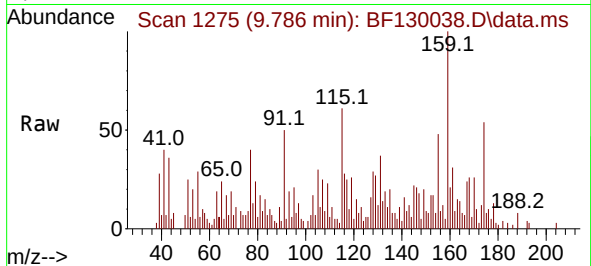




#54
2,4-Dinitrophenol
Concen: 5.506 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.053 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

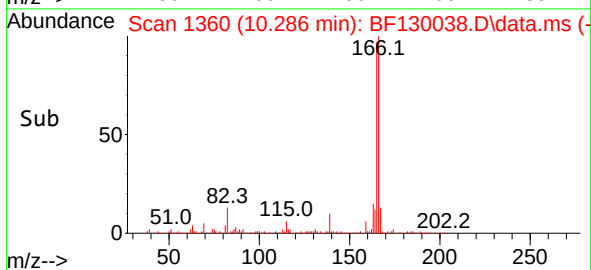
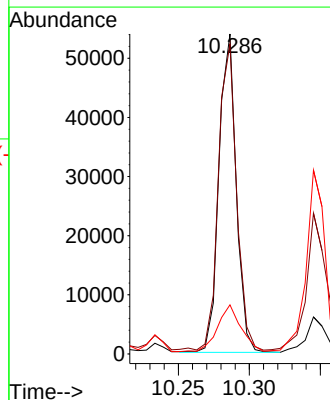
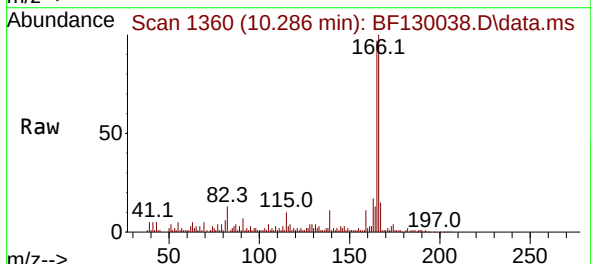
Instrument :
BNA_F
ClientSampleId :
MW-23

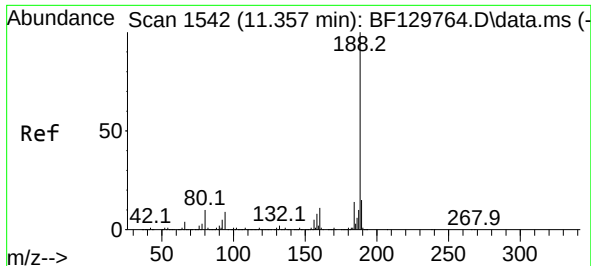
Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 661.2 59.6 89.4#
154 289.9 55.3 82.9#



#58
Fluorene
Concen: 2.568 ng
RT: 10.286 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion:166 Resp: 45613
Ion Ratio Lower Upper
166 100
165 96.9 77.9 116.9
167 15.4 11.0 16.4

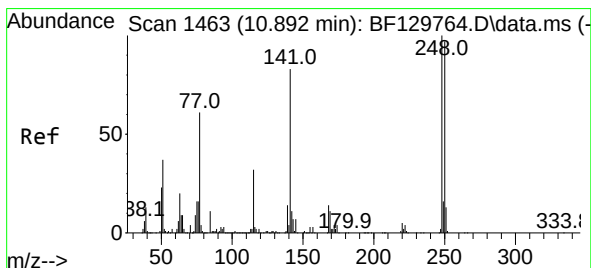
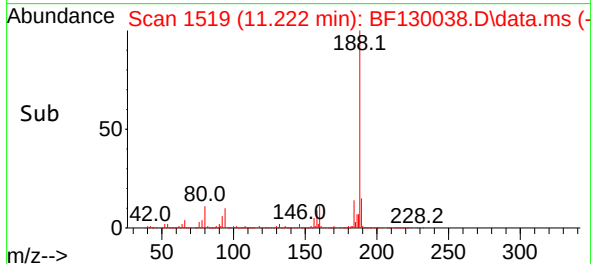
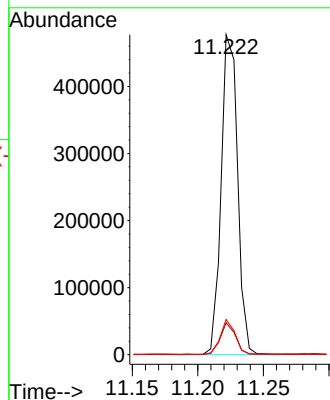
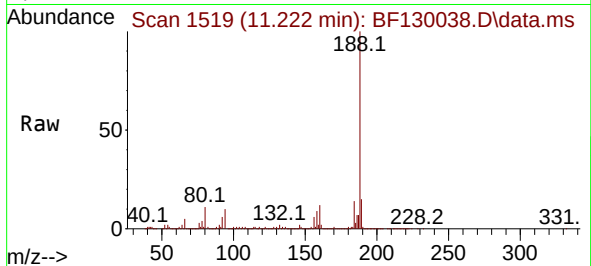




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

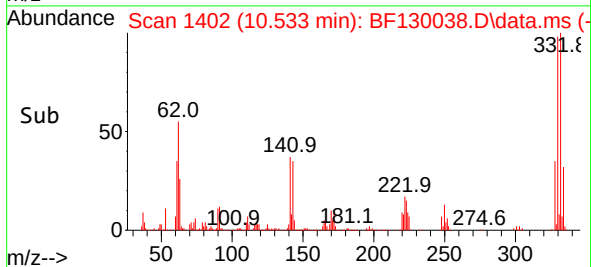
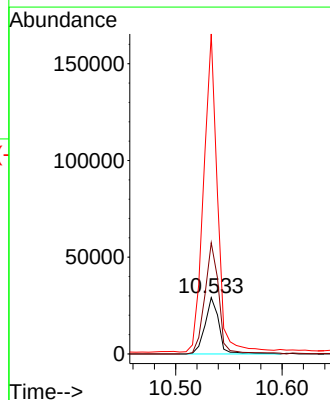
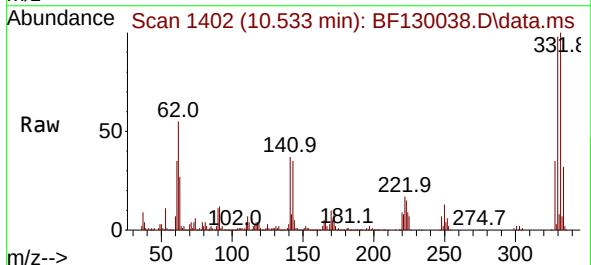
Instrument :
BNA_F
ClientSampleId :
MW-23

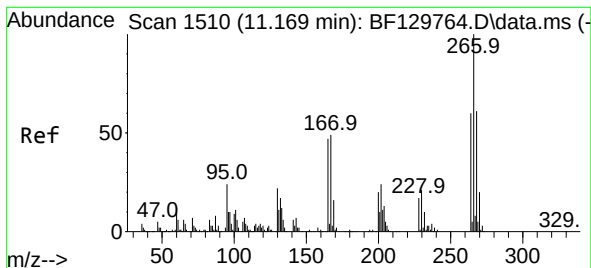
Tgt Ion:188 Resp: 415236
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.2
80 11.0 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 5.426 ng
RT: 10.533 min Scan# 1402
Delta R.T. -0.235 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion:248 Resp: 26388
Ion Ratio Lower Upper
248 100
250 197.2 77.8 116.6#
141 567.8 66.2 99.2#





#70

Pentachlorophenol

Concen: 5.213 ng

RT: 11.169 min Scan# 1

Delta R.T. 0.118 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

Instrument :

BNA_F

ClientSampleId :

MW-23

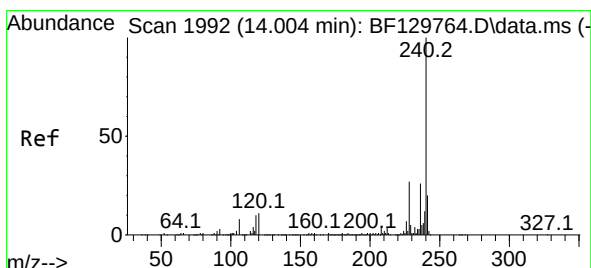
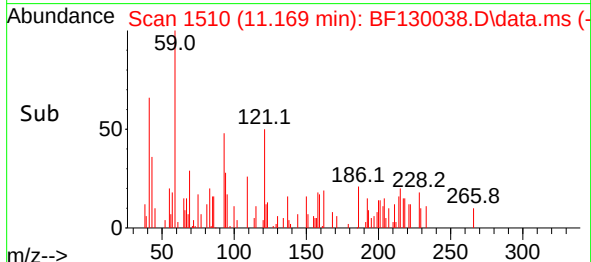
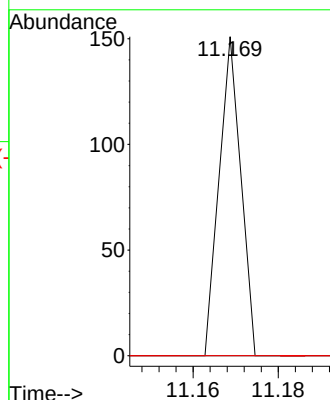
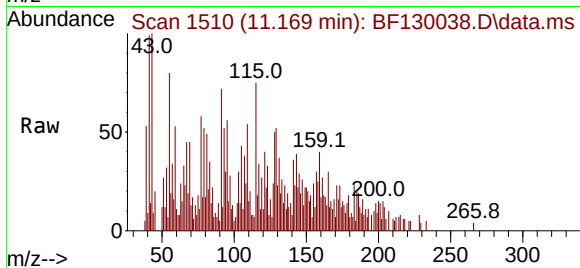
Tgt Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

268 0.0 49.0 73.4#

264 0.0 47.9 71.9#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.868 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BF130038.D

Acq: 29 Aug 2022 17:05

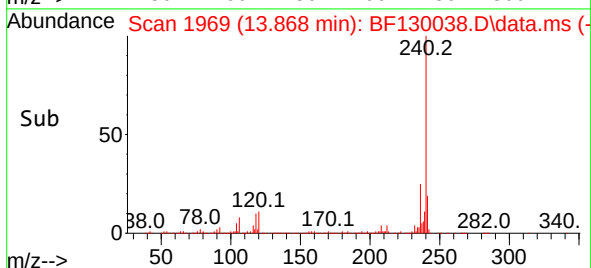
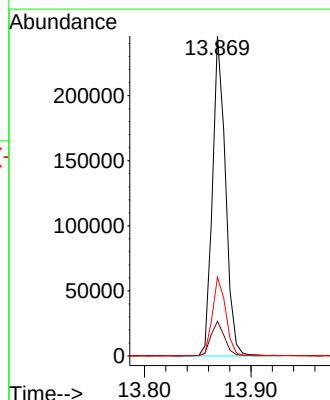
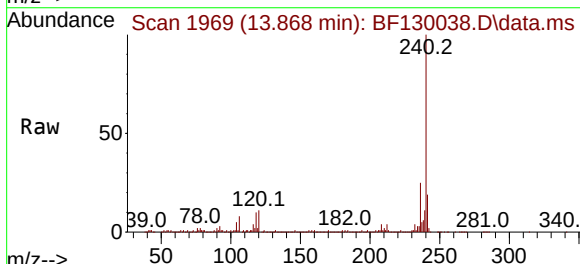
Tgt Ion:240 Resp: 209738

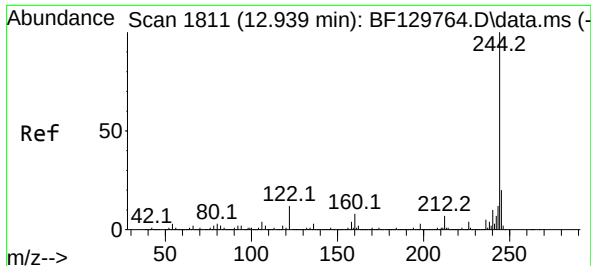
Ion Ratio Lower Upper

240 100

120 10.9 9.2 13.8

236 24.6 20.7 31.1

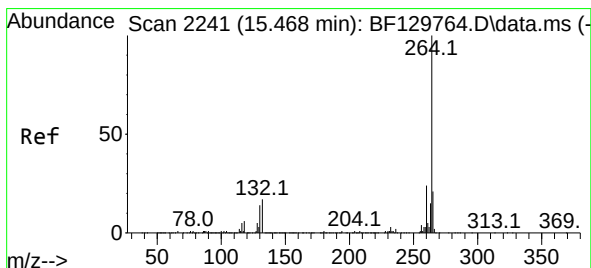
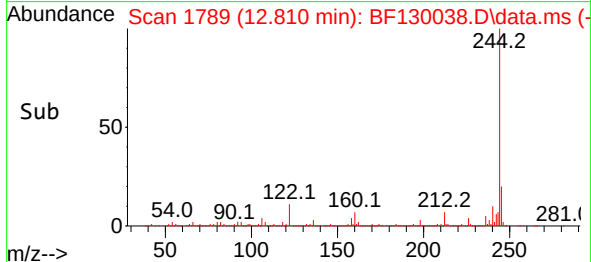
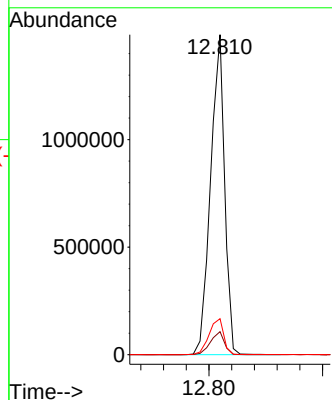
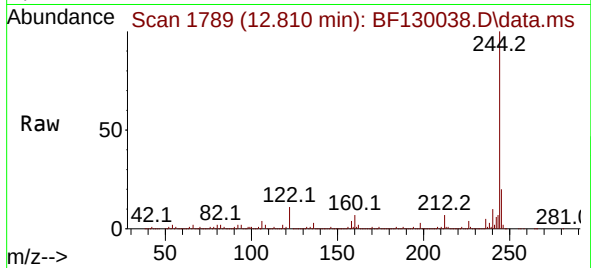




#79
Terphenyl-d14
Concen: 101.091 ng
RT: 12.810 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Instrument :
BNA_F
ClientSampleId :
MW-23

Tgt Ion:244 Resp: 1274246
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 11.3 9.9 14.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BF130038.D
Acq: 29 Aug 2022 17:05

Tgt Ion:264 Resp: 240288
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 21.8 16.7 25.1

