

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136590.D
 Acq On : 15 Dec 2023 13:45
 Operator : CG\JU
 Sample : 05612-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-06IDL

Quant Time: Dec 15 14:58:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

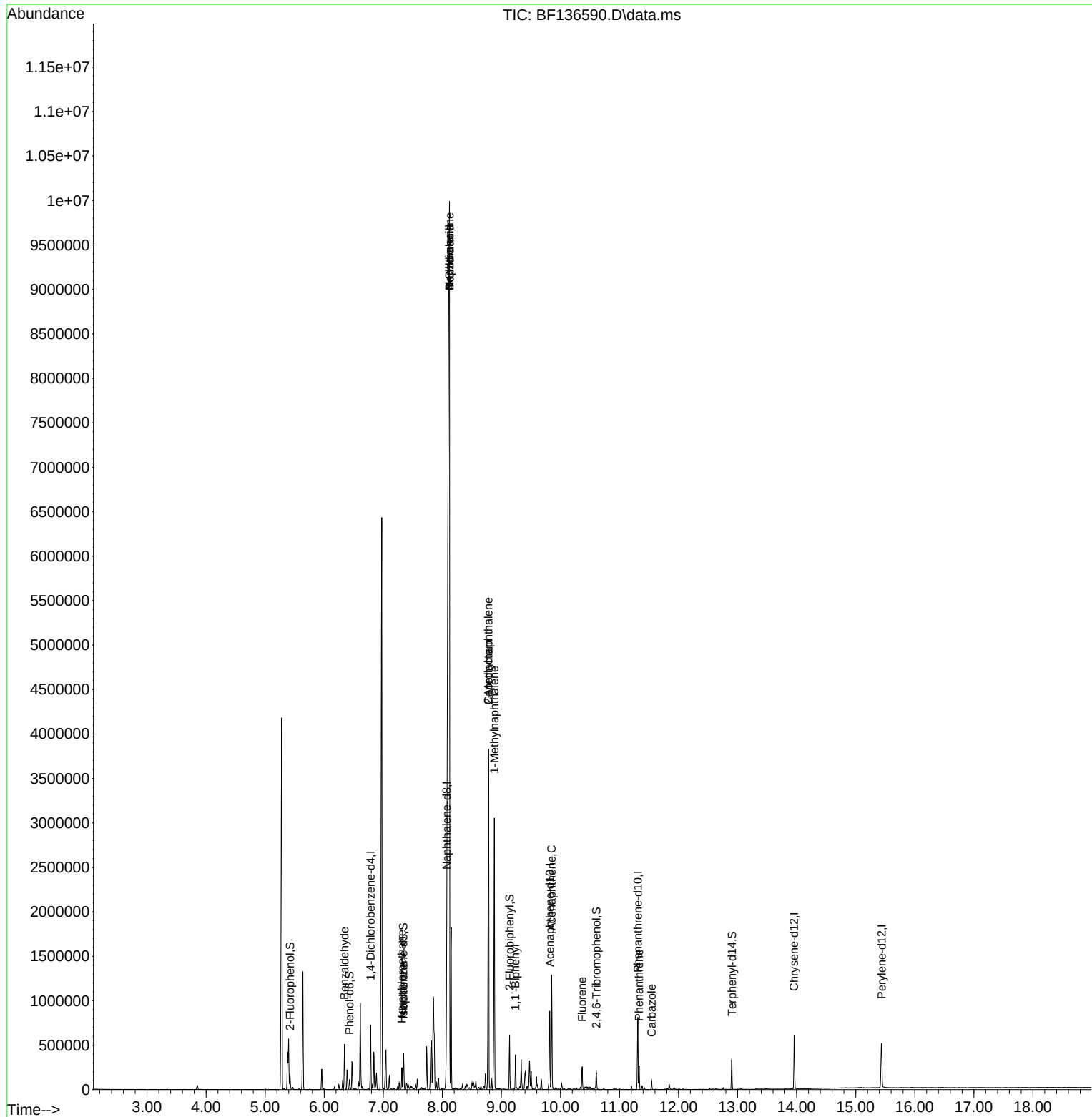
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	101029	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	361262	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	190669	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	286772	20.000	ng	0.00
76) Chrysene-d12	13.957	240	203188	20.000	ng	#-0.01
86) Perylene-d12	15.439	264	247072	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	48044	7.023	ng	0.00
7) Phenol-d6	6.428	99	39244	4.598	ng	0.00
23) Nitrobenzene-d5	7.339	82	73605	11.014	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	25044	10.653	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	163378	11.692	ng	0.00
79) Terphenyl-d14	12.904	244	118686	7.699	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.345	77	17625	2.208	ng	# 1
18) Hexachloroethane	7.316	117	11573	3.891	ng	# 1
25) Isophorone	7.339	82	72439	6.034	ng	# 65
31) Naphthalene	8.122	128	10309196	517.474	ng	95
32) Benzoic acid	8.122	122	28836	7.133	ng	# 1
33) 4-Chloroaniline	8.122	127	1600650	225.367	ng	# 42
35) Caprolactam	8.781	113	23759	14.343	ng	# 1
37) 2-Methylnaphthalene	8.781	142	1067456	84.222	ng	95
38) 1-Methylnaphthalene	8.881	142	725871	58.364	ng	97
46) 1,1'-Biphenyl	9.239	154	104039	6.413	ng	95
52) Acenaphthene	9.851	154	253631	22.003	ng	94
58) Fluorene	10.369	166	67852	5.020	ng	100
71) Phenanthrene	11.333	178	90953	5.770	ng	97
73) Carbazole	11.545	167	36997	2.633	ng	99
77) Benzidine	12.651	184	348	Below Cal	#	1

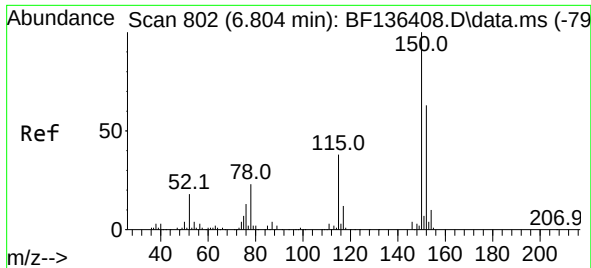
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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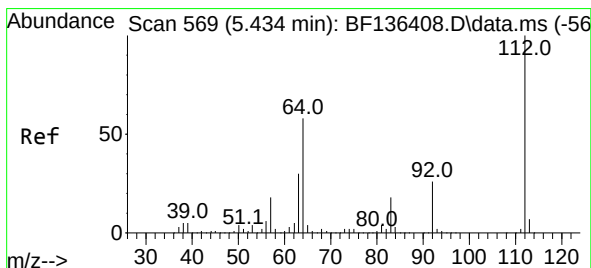
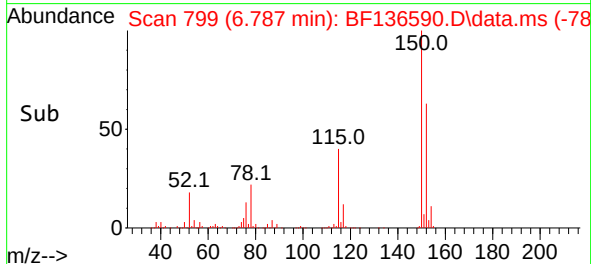
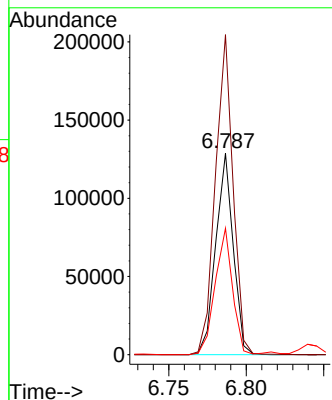
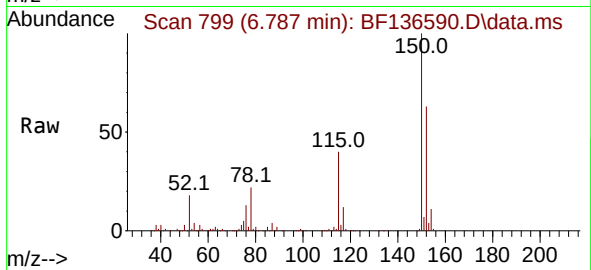




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

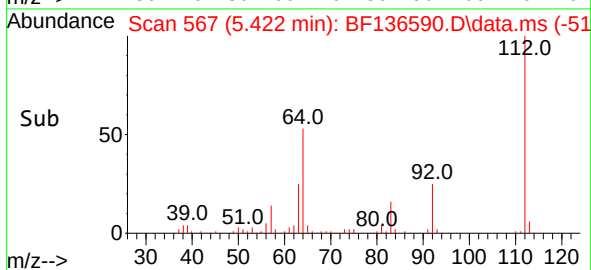
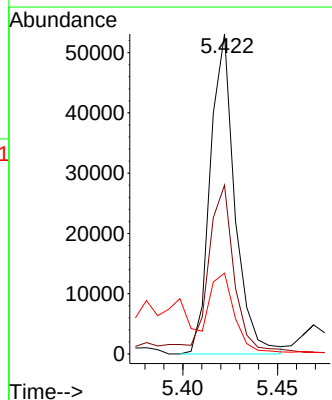
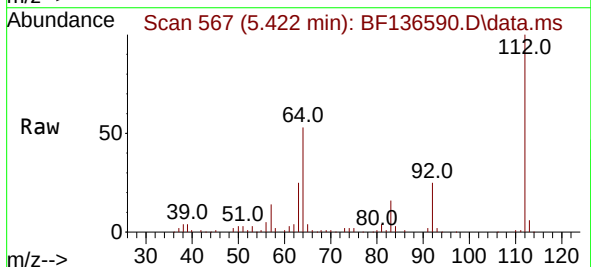
Instrument :
BNA_F
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MW-06IDL

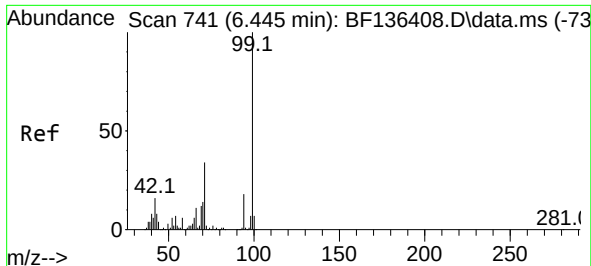
Tgt Ion:152 Resp: 101029
Ion Ratio Lower Upper
152 100
150 158.8 126.4 189.6
115 62.8 48.2 72.4



#5
2-Fluorophenol
Concen: 7.023 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

Tgt Ion:112 Resp: 48044
Ion Ratio Lower Upper
112 100
64 52.7 46.5 69.7
63 25.2 23.9 35.9

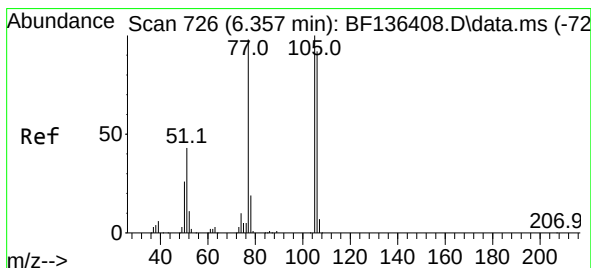
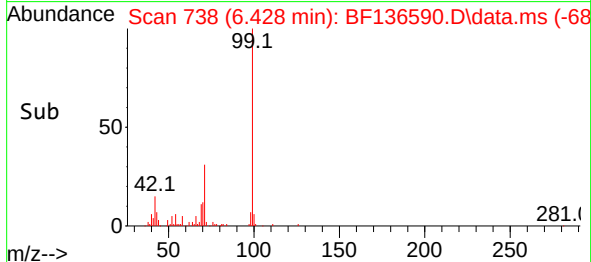
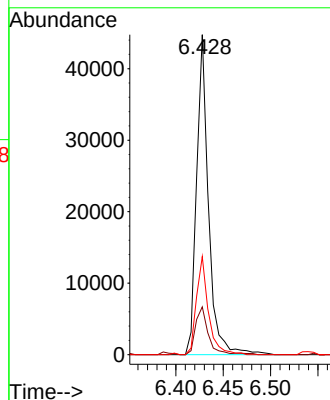
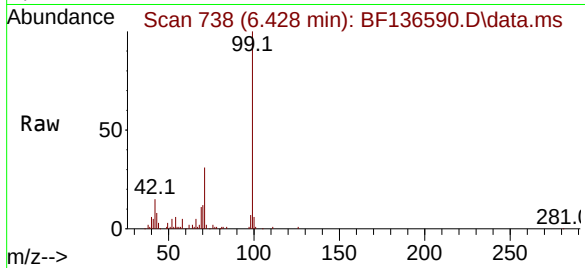




#7
Phenol-d6
Concen: 4.598 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

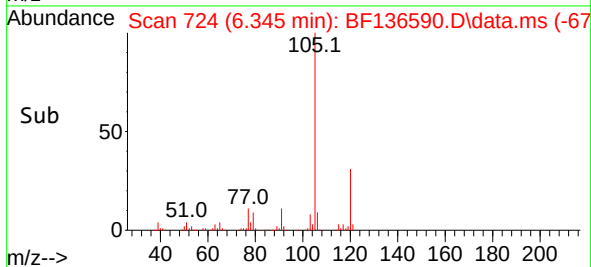
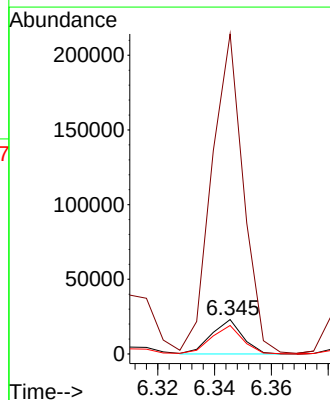
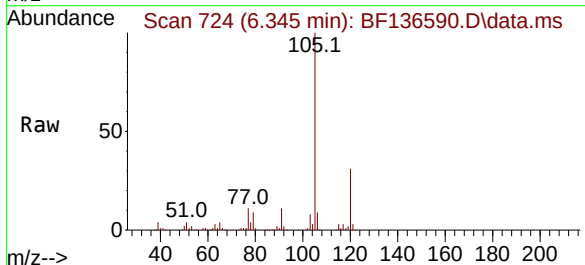
Instrument :
BNA_F
ClientSampleId :
MW-06IDL

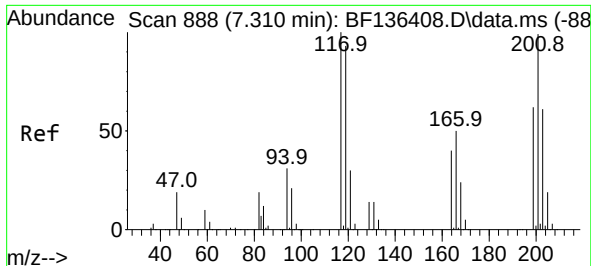
Tgt Ion: 99 Resp: 39244
Ion Ratio Lower Upper
99 100
42 15.0 12.8 19.2
71 30.7 27.0 40.4



#9
Benzaldehyde
Concen: 2.208 ng
RT: 6.345 min Scan# 724
Delta R.T. 0.000 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

Tgt Ion: 77 Resp: 17625
Ion Ratio Lower Upper
77 100
105 928.7 82.5 122.5#
106 82.7 74.5 114.5

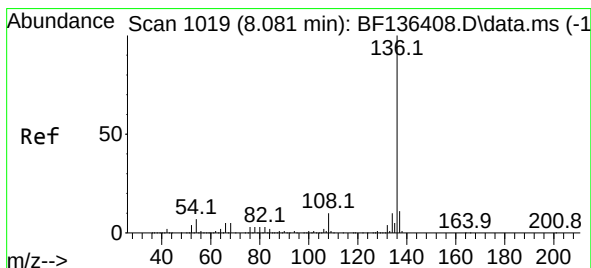
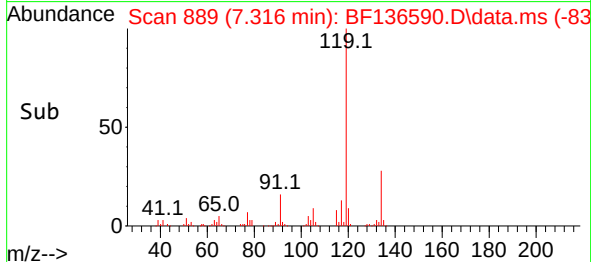
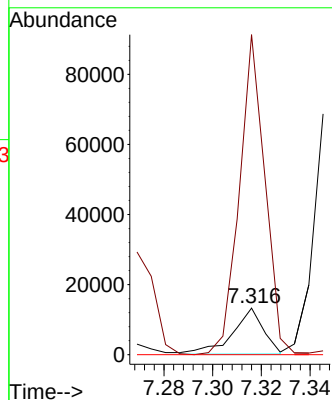
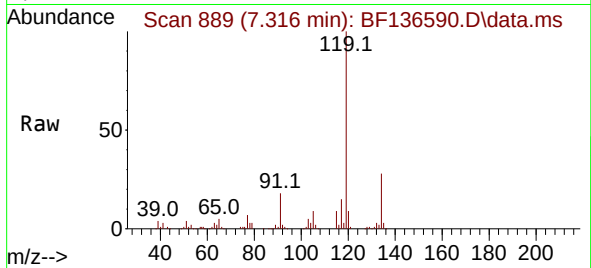




#18
Hexachloroethane
Concen: 3.891 ng
RT: 7.316 min Scan# 81
Delta R.T. 0.018 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

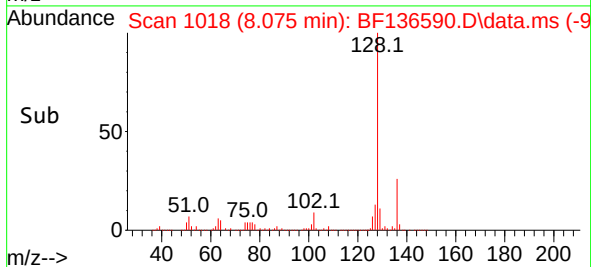
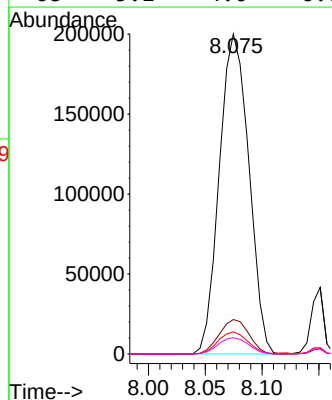
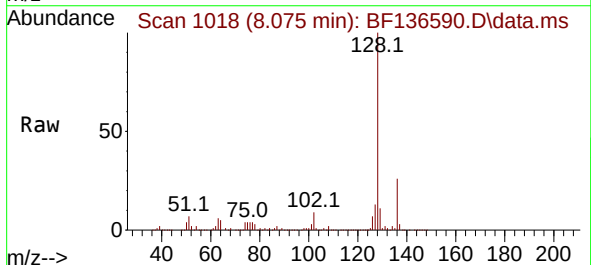
Instrument :
BNA_F
ClientSampleId :
MW-06IDL

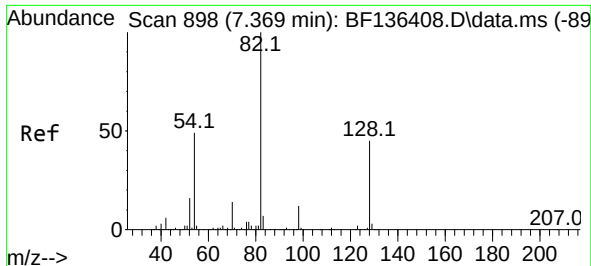
Tgt Ion:117 Resp: 11573
Ion Ratio Lower Upper
117 100
119 686.5 74.3 111.5#
201 0.0 79.3 118.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

Tgt Ion:136 Resp: 361262
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.9 5.7 8.5
68 5.1 4.0 6.0





#23

Nitrobenzene-d5

Concen: 11.014 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF136590.D

Acq: 15 Dec 2023 13:45

Instrument :

BNA_F

ClientSampleId :

MW-06IDL

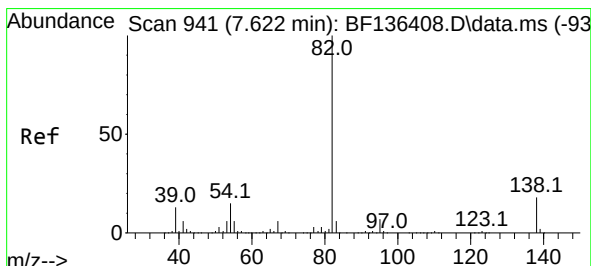
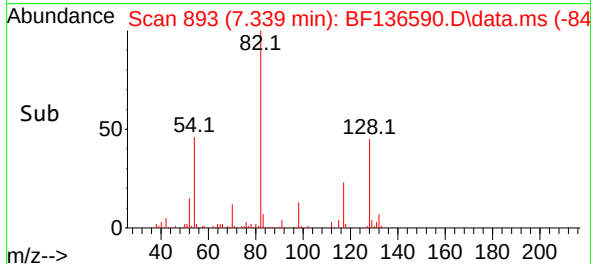
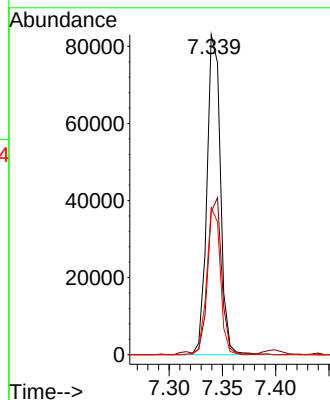
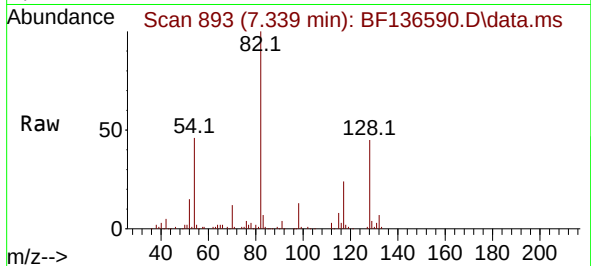
Tgt Ion: 82 Resp: 73605

Ion Ratio Lower Upper

82 100

128 44.6 36.3 54.5

54 46.0 39.0 58.6



#25

Isophorone

Concen: 6.034 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.271 min

Lab File: BF136590.D

Acq: 15 Dec 2023 13:45

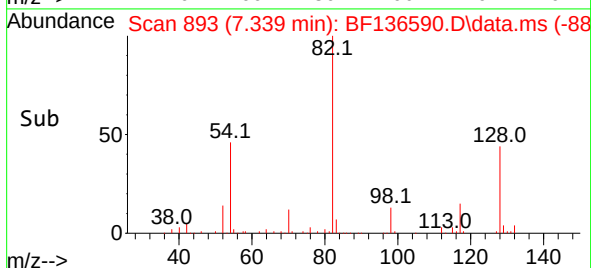
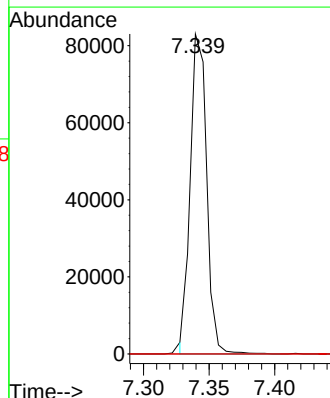
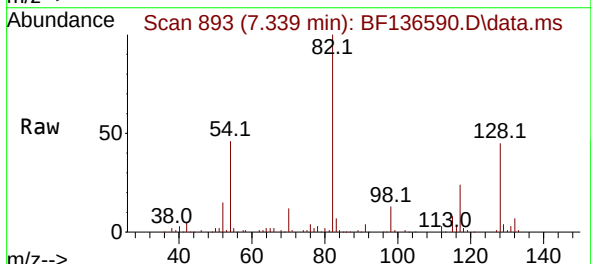
Tgt Ion: 82 Resp: 72439

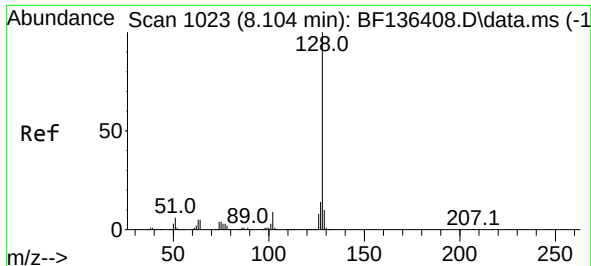
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.5 21.7#

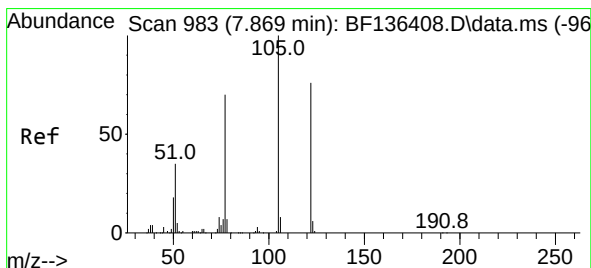
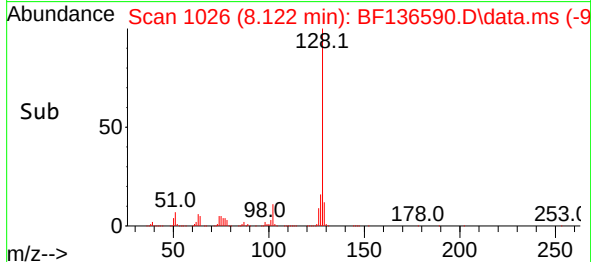
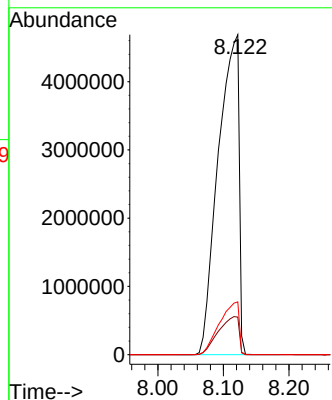
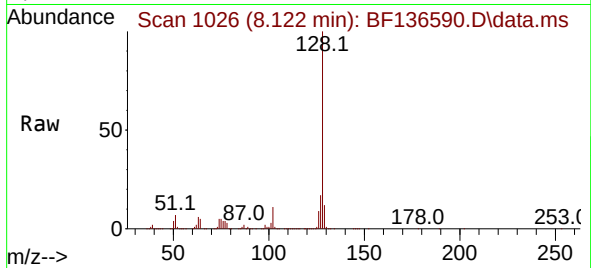




#31
Naphthalene
Concen: 517.474 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.029 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

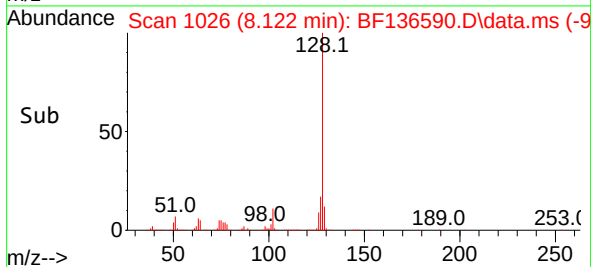
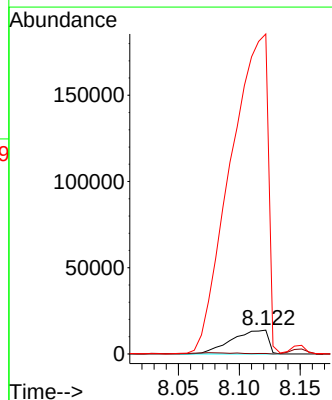
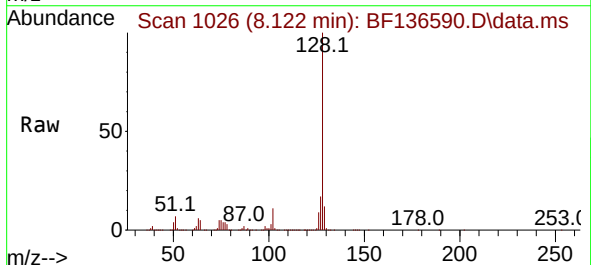
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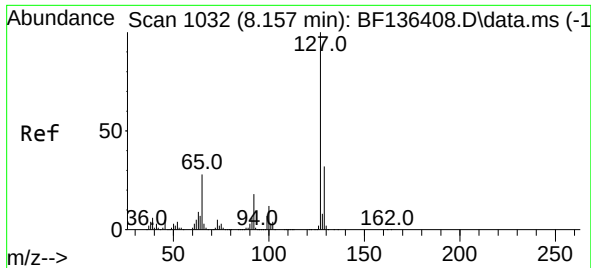
Tgt Ion:128 Resp:10309196
Ion Ratio Lower Upper
128 100
129 11.8 8.3 12.5
127 16.5 11.1 16.7



#32
Benzoic acid
Concen: 7.133 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.265 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

Tgt Ion:122 Resp: 28836
Ion Ratio Lower Upper
122 100
105 1.9 104.7 144.7#
77 1342.8 68.5 108.5#

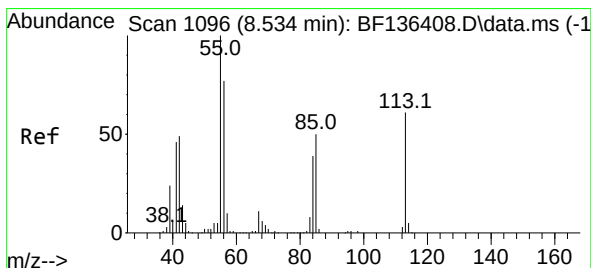
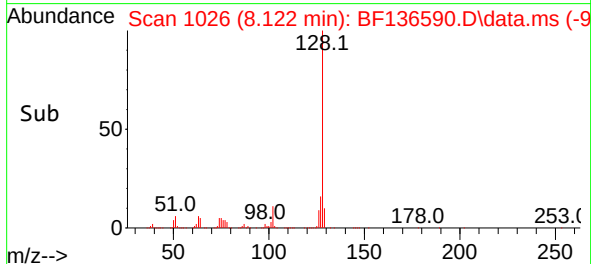
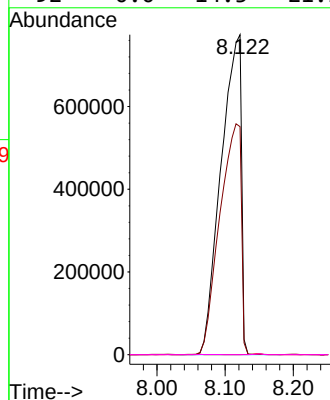
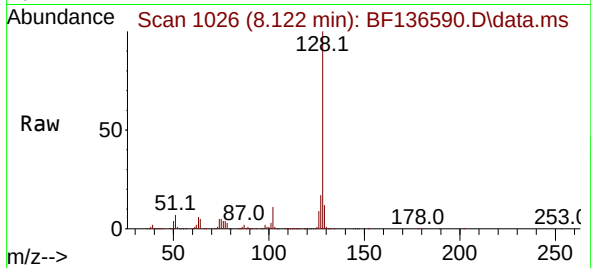




#33
4-Chloroaniline
Concen: 225.367 ng
RT: 8.122 min Scan# 1138
Delta R.T. -0.018 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

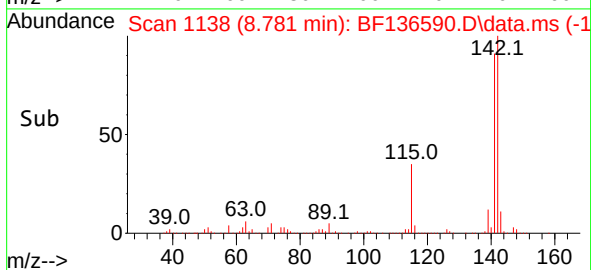
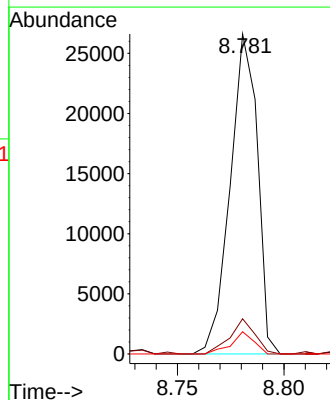
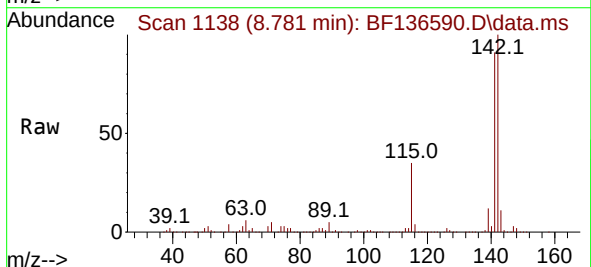
Instrument :
BNA_F
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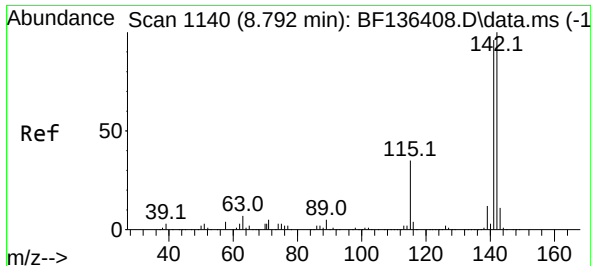
Tgt Ion:127 Resp: 1600650
Ion Ratio Lower Upper
127 100
129 71.2 25.4 38.2#
65 0.0 22.5 33.7#
92 0.0 14.3 21.5#



#35
Caprolactam
Concen: 14.343 ng
RT: 8.781 min Scan# 1138
Delta R.T. 0.259 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

Tgt Ion:113 Resp: 23759
Ion Ratio Lower Upper
113 100
55 11.0 143.7 183.7#
56 6.9 105.2 145.2#





#37

2-Methylnaphthalene

Concen: 84.222 ng

RT: 8.781 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF136590.D

Acq: 15 Dec 2023 13:45

Instrument :

BNA_F

ClientSampleId :

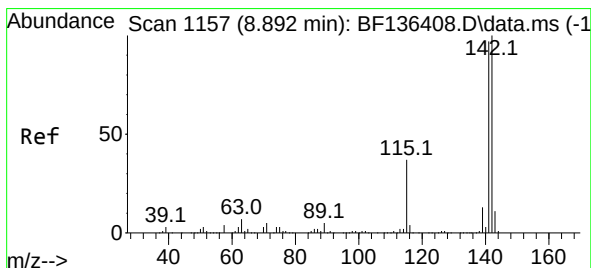
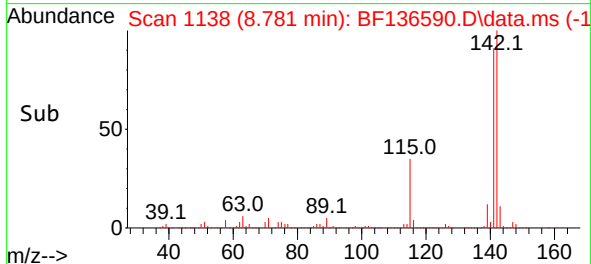
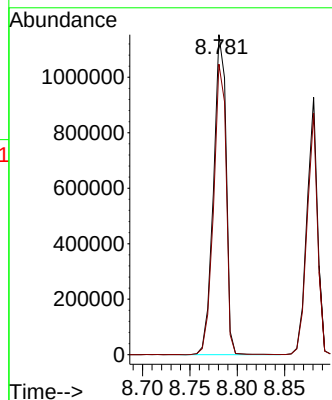
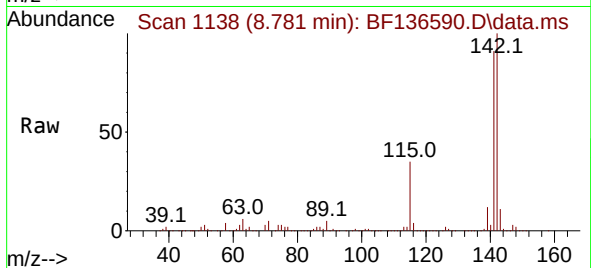
MW-06IDL

Tgt Ion:142 Resp: 1067456

Ion Ratio Lower Upper

142 100

141 90.8 76.4 114.6



#38

1-Methylnaphthalene

Concen: 58.364 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.000 min

Lab File: BF136590.D

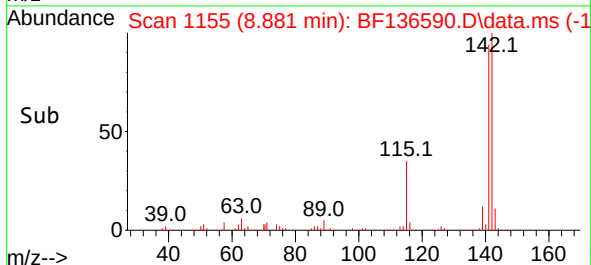
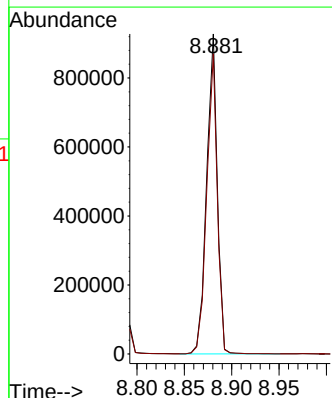
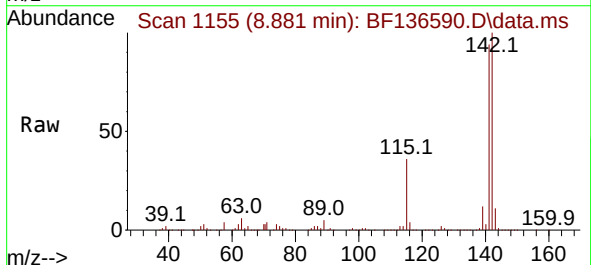
Acq: 15 Dec 2023 13:45

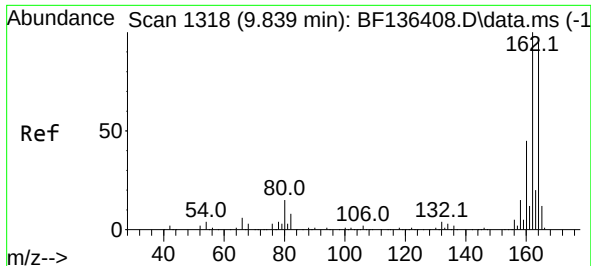
Tgt Ion:142 Resp: 725871

Ion Ratio Lower Upper

142 100

141 93.8 77.7 116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136590.D

Acq: 15 Dec 2023 13:45

Instrument :

BNA_F

ClientSampleId :

MW-06IDL

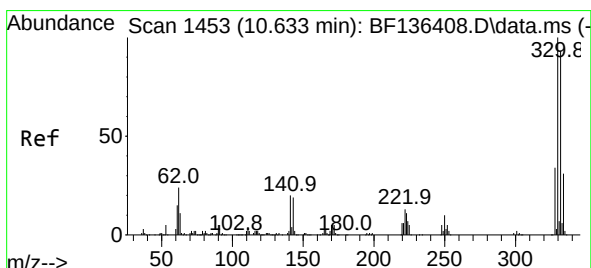
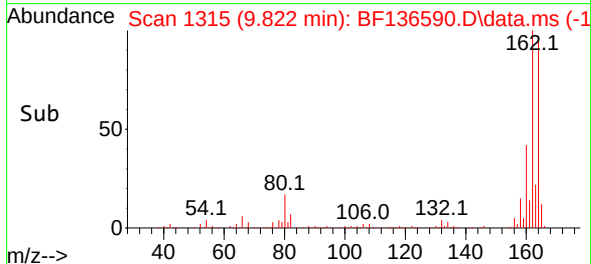
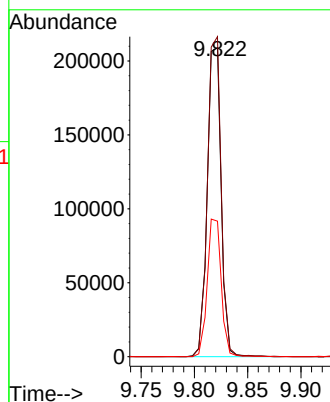
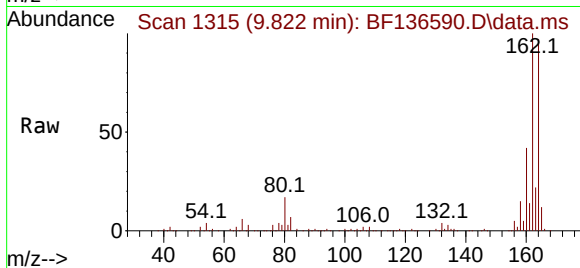
Tgt Ion:164 Resp: 190669

Ion Ratio Lower Upper

164 100

162 103.6 84.4 126.6

160 43.9 37.6 56.4



#42

2,4,6-Tribromophenol

Concen: 10.653 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136590.D

Acq: 15 Dec 2023 13:45

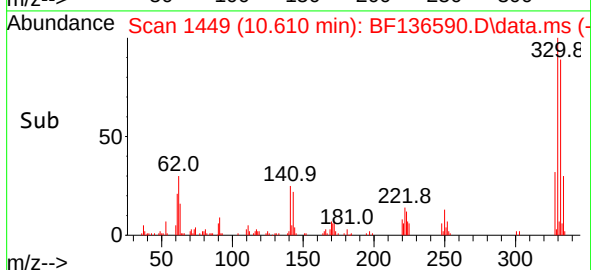
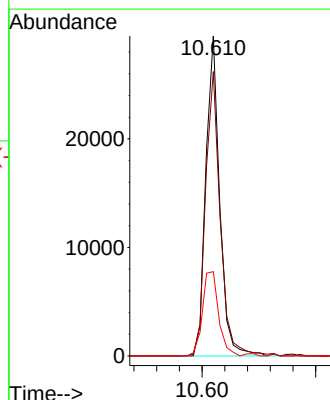
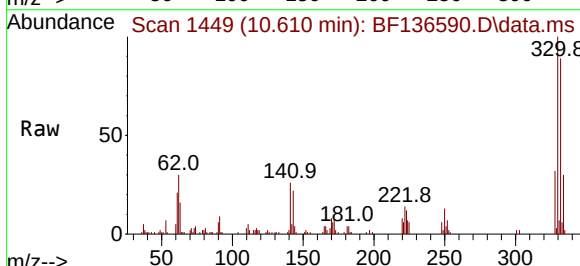
Tgt Ion:330 Resp: 25044

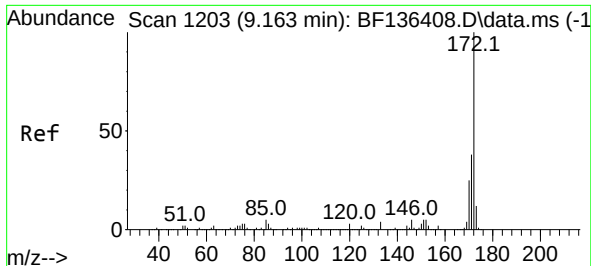
Ion Ratio Lower Upper

330 100

332 93.7 76.4 114.6

141 30.6 23.4 35.2

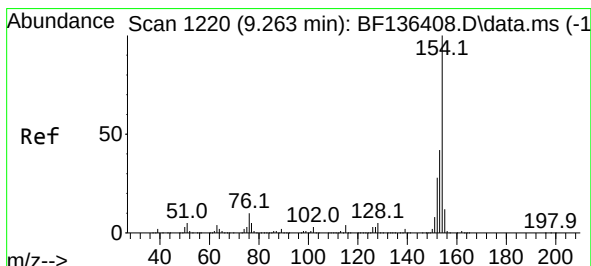
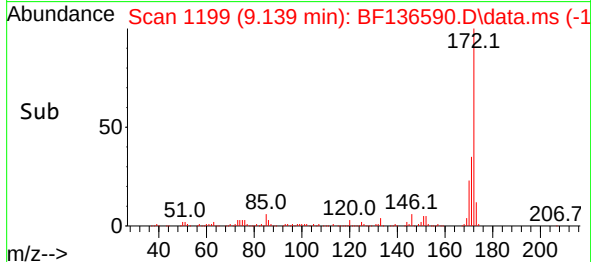
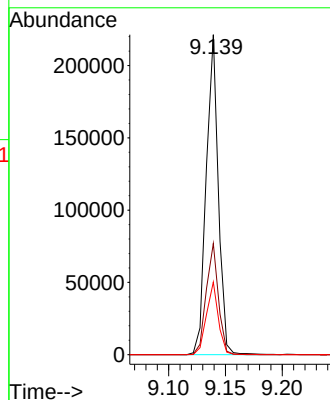
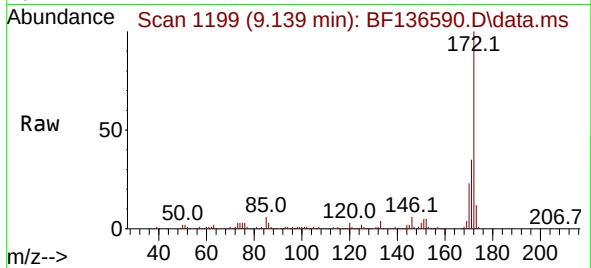




#45
2-Fluorobiphenyl
Concen: 11.692 ng
RT: 9.139 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

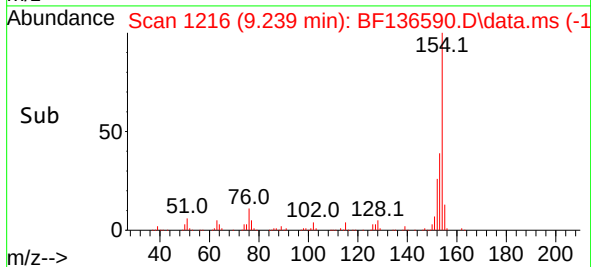
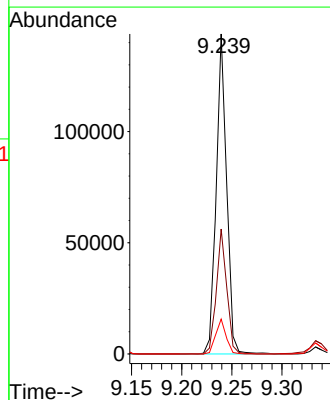
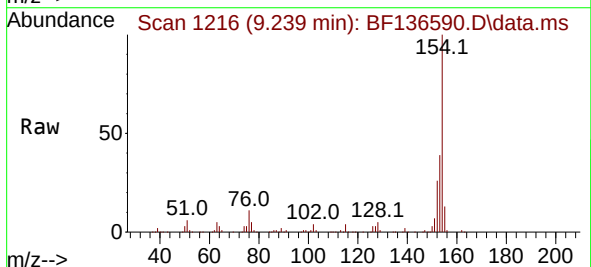
Instrument :
BNA_F
ClientSampleId :
MW-06IDL

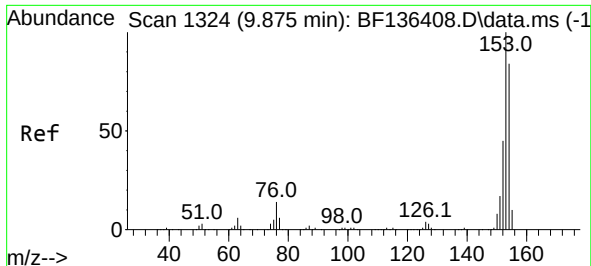
Tgt Ion:172 Resp: 163378
Ion Ratio Lower Upper
172 100
171 34.7 30.5 45.7
170 22.7 19.9 29.9



#46
1,1'-Biphenyl
Concen: 6.413 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

Tgt Ion:154 Resp: 104039
Ion Ratio Lower Upper
154 100
153 39.0 22.5 62.5
76 10.9 0.0 29.9

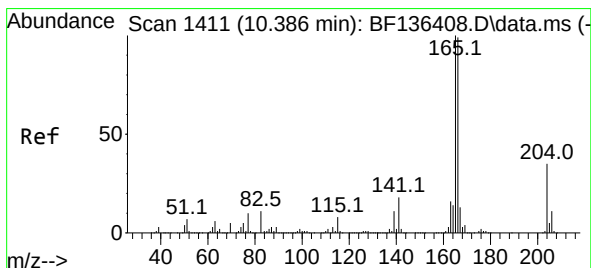
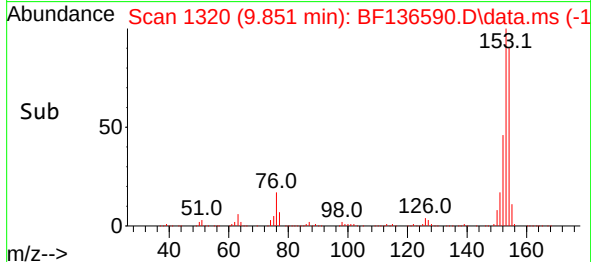
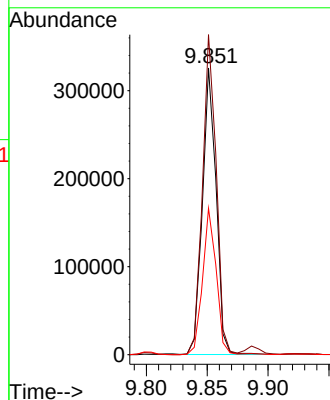
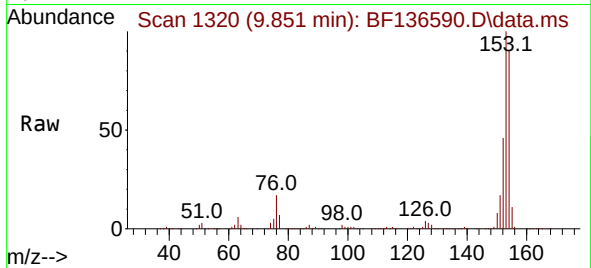




#52
Acenaphthene
Concen: 22.003 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

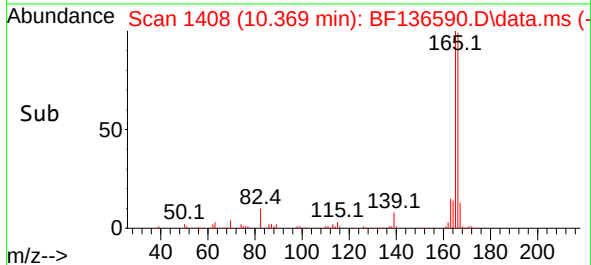
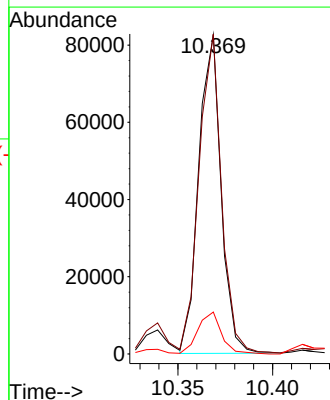
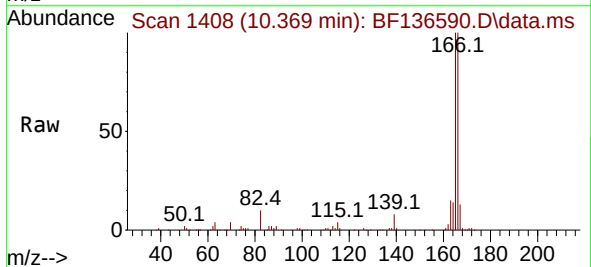
Instrument :
BNA_F
ClientSampleId :
MW-06IDL

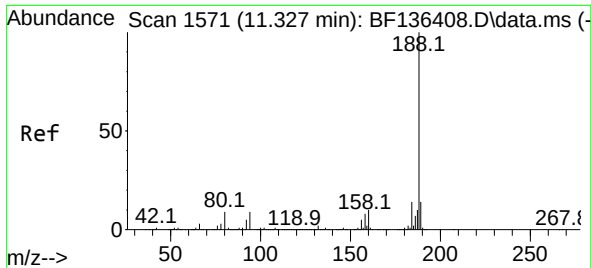
Tgt Ion:154 Resp: 253631
Ion Ratio Lower Upper
154 100
153 111.6 95.3 142.9
152 51.1 43.2 64.8



#58
Fluorene
Concen: 5.020 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

Tgt Ion:166 Resp: 67852
Ion Ratio Lower Upper
166 100
165 100.3 80.5 120.7
167 13.1 10.5 15.7

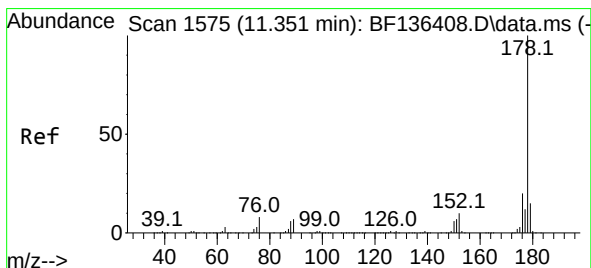
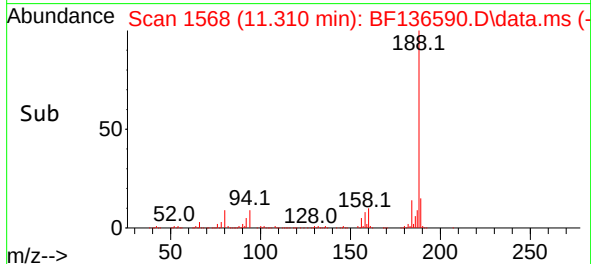
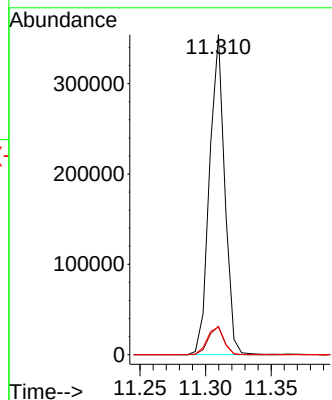
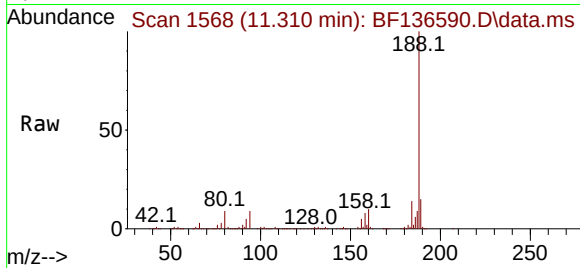




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

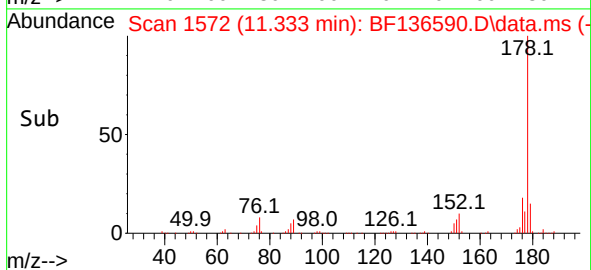
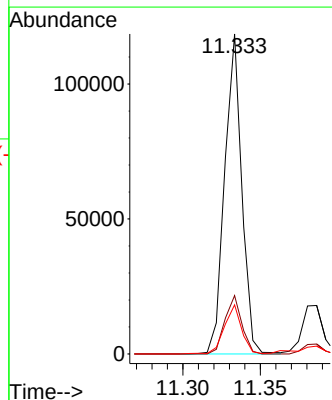
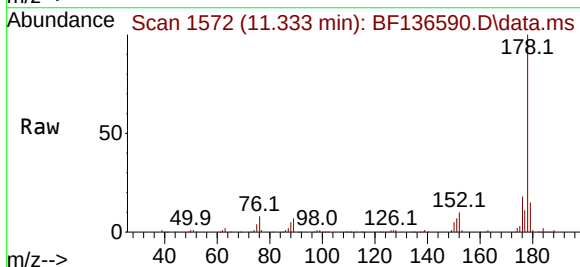
Instrument :
BNA_F
ClientSampleId :
MW-06IDL

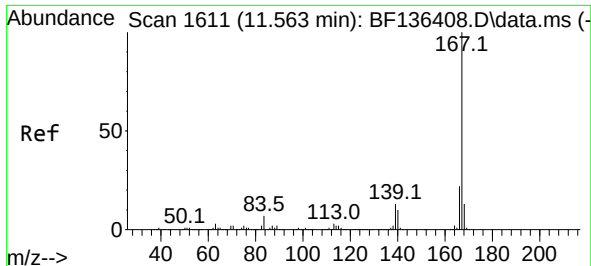
Tgt Ion:188 Resp: 286772
Ion Ratio Lower Upper
188 100
94 8.8 7.2 10.8
80 8.6 7.2 10.8



#71
Phenanthrene
Concen: 5.770 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF136590.D
Acq: 15 Dec 2023 13:45

Tgt Ion:178 Resp: 90953
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 15.3 11.8 17.6

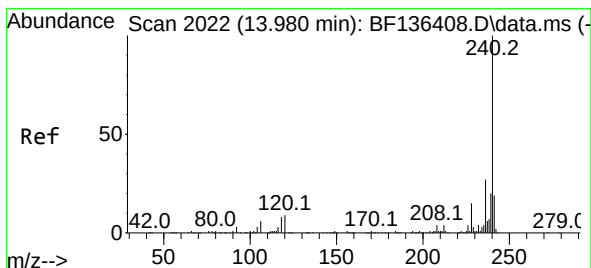
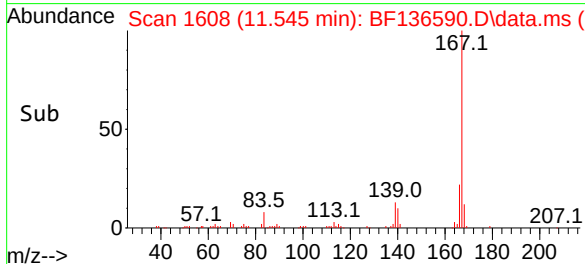
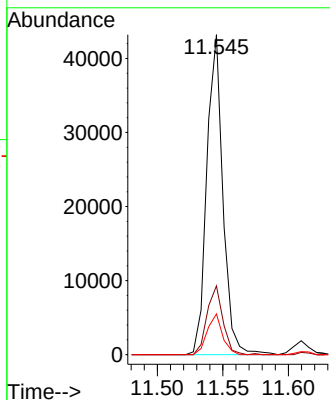
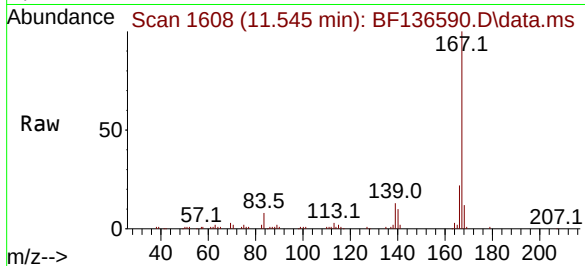




#73
 Carbazole
 Concen: 2.633 ng
 RT: 11.545 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF136590.D
 Acq: 15 Dec 2023 13:45

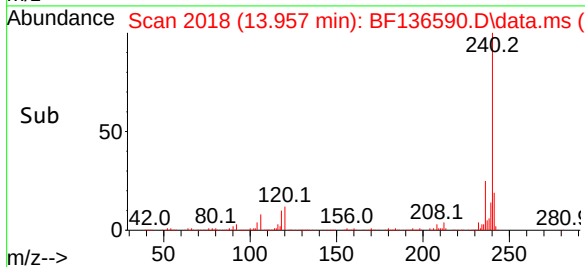
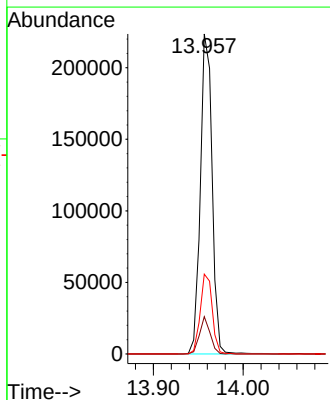
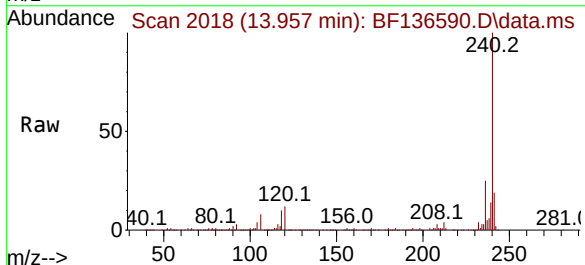
Instrument :
 BNA_F
 ClientSampleId :
 MW-06IDL

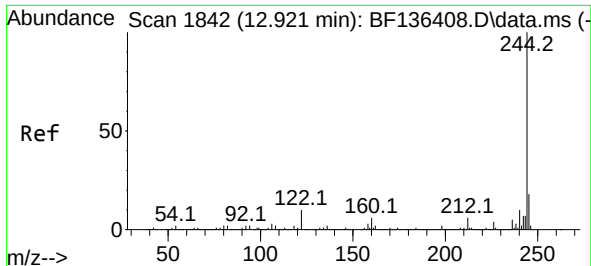
Tgt Ion:167 Resp: 36997
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.0 27.0
 139 12.8 10.2 15.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.012 min
 Lab File: BF136590.D
 Acq: 15 Dec 2023 13:45

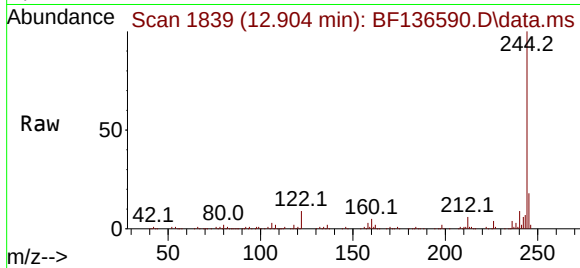
Tgt Ion:240 Resp: 203188
 Ion Ratio Lower Upper
 240 100
 120 11.6 7.3 10.9#
 236 25.0 21.3 31.9



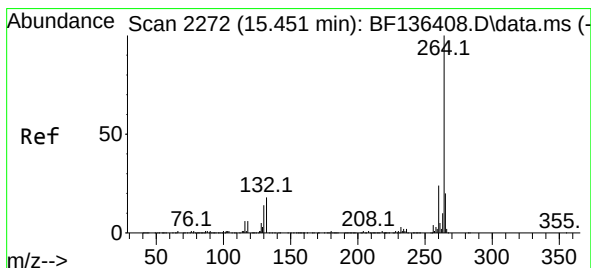
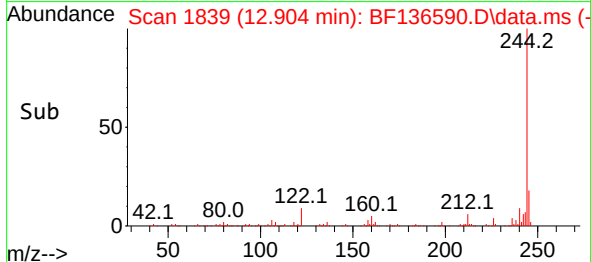
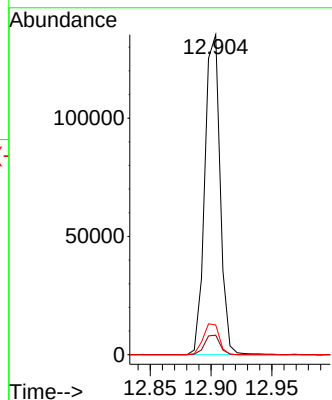


#79
 Terphenyl-d14
 Concen: 7.699 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF136590.D
 Acq: 15 Dec 2023 13:45

Instrument :
 BNA_F
 ClientSampleId :
 MW-06IDL



Tgt Ion:244 Resp: 118686
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 9.3 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. -0.000 min
 Lab File: BF136590.D
 Acq: 15 Dec 2023 13:45

Tgt Ion:264 Resp: 247072
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.1 15.9 23.9

