

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010824\
 Data File : BF136996.D
 Acq On : 08 Jan 2024 14:17
 Operator : CG\JU
 Sample : P1038-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Quant Time: Jan 08 14:38:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

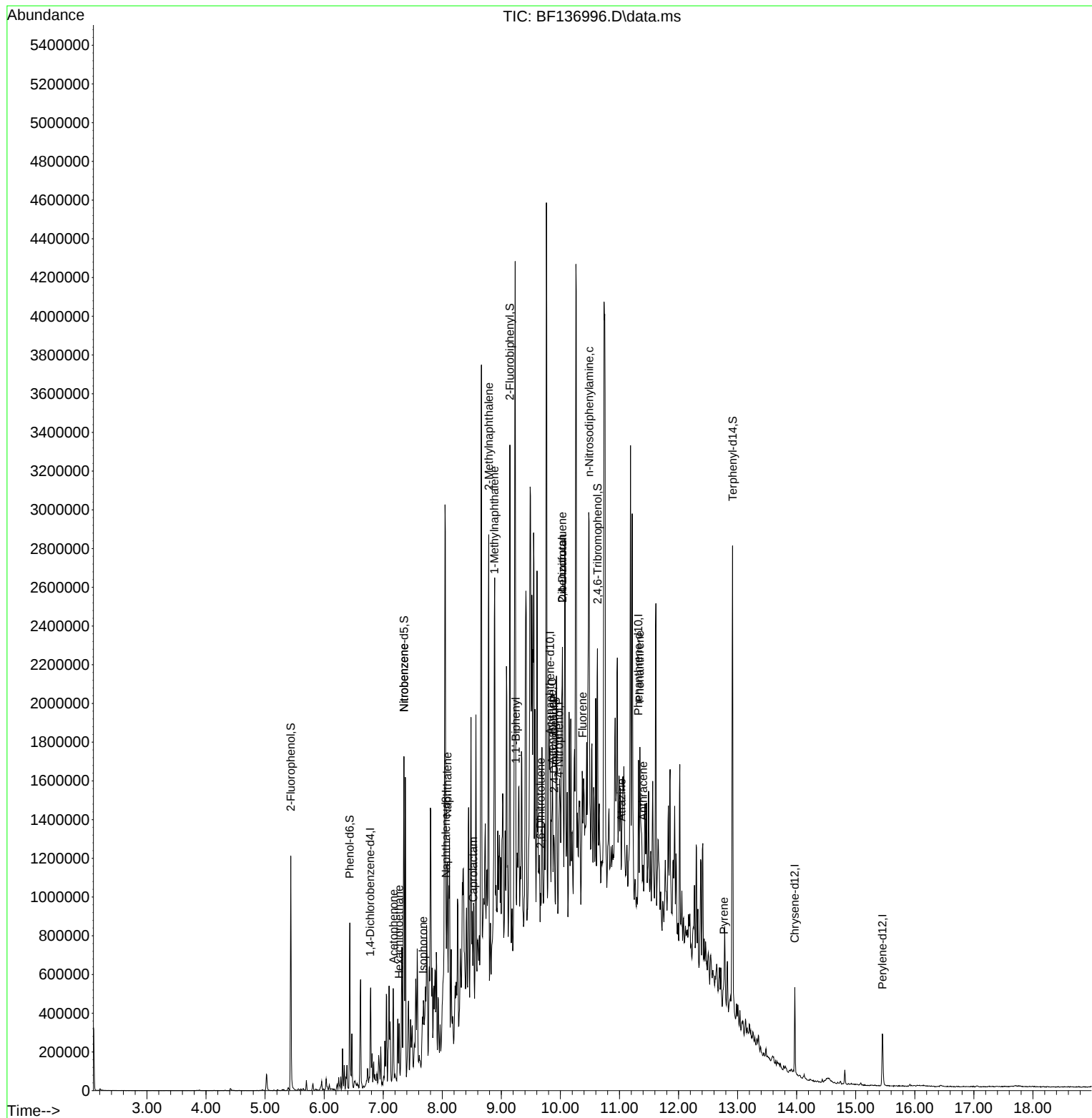
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	60689	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	212800	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	109056	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	192538	20.000	ng	0.00
76) Chrysene-d12	13.969	240	145074	20.000	ng	0.00
86) Perylene-d12	15.451	264	136167	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	314426	80.837	ng	0.00
7) Phenol-d6	6.434	99	282903	56.132	ng	0.00
23) Nitrobenzene-d5	7.351	82	465662	111.976	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	185944	144.774	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	883968	109.020	ng	0.00
79) Terphenyl-d14	12.916	244	899672	86.664	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.269	117	6825	3.961	ng	# 1
22) Acetophenone	7.175	105	124178	23.281	ng	# 50
24) Nitrobenzene	7.351	77	9050	2.172	ng	# 14
25) Isophorone	7.675	82	36097	4.770	ng	# 65
31) Naphthalene	8.087	128	201718	17.255	ng	# 96
35) Caprolactam	8.522	113	2775	2.693	ng	# 1
37) 2-Methylnaphthalene	8.787	142	722664	96.051	ng	99
38) 1-Methylnaphthalene	8.881	142	450496	61.031	ng	100
46) 1,1'-Biphenyl	9.245	154	115531	12.624	ng	98
51) 2,6-Dinitrotoluene	9.663	165	5214	2.884	ng	# 86
52) Acenaphthene	9.857	154	51217	7.770	ng	# 82
54) 2,4-Dinitrophenol	9.892	184	419	4.134	ng	# 1
55) Dibenzofuran	10.034	168	43152	4.319	ng	# 1
56) 4-Nitrophenol	9.975	139	5074	3.925	ng	# 19
57) 2,4-Dinitrotoluene	10.034	165	19176	8.171	ng	# 56
58) Fluorene	10.375	166	82644	10.424	ng	# 82
66) n-Nitrosodiphenylamine	10.486	169	105599	16.884	ng	# 55
69) Atrazine	11.033	200	4304	2.690	ng	# 51
71) Phenanthrene	11.345	178	270913	27.422	ng	# 96
72) Anthracene	11.398	178	25392	2.538	ng	# 74
78) Pyrene	12.769	202	57453	4.034	ng	95

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

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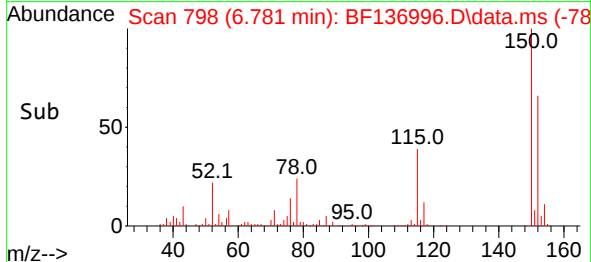
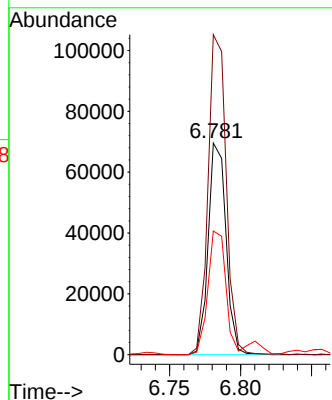
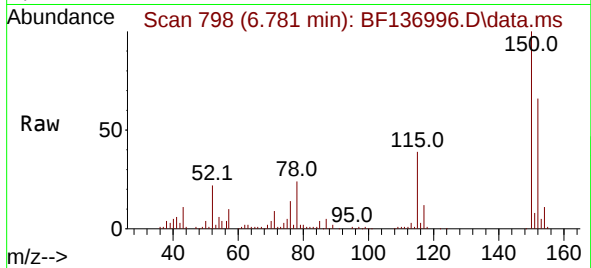




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

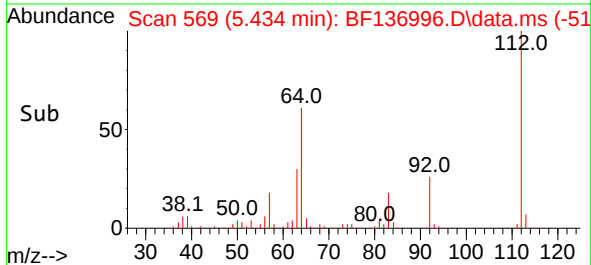
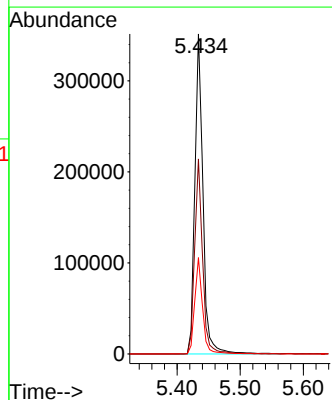
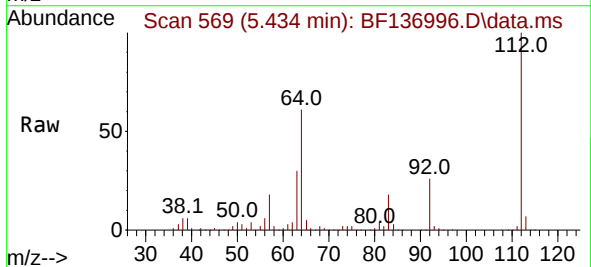
Instrument :
BNA_F
ClientSampleId :
MW-2

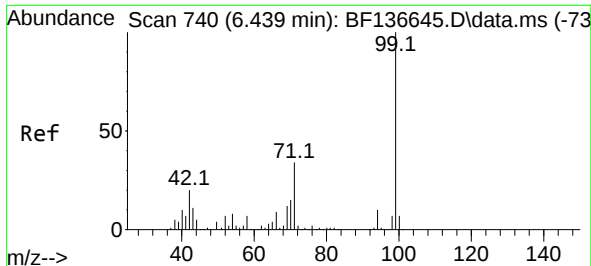
Tgt Ion:152 Resp: 60689
Ion Ratio Lower Upper
152 100
150 151.2 127.0 190.6
115 58.4 49.0 73.4



#5
2-Fluorophenol
Concen: 80.837 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

Tgt Ion:112 Resp: 314426
Ion Ratio Lower Upper
112 100
64 60.9 51.1 76.7
63 30.1 26.1 39.1





#7

Phenol-d6

Concen: 56.132 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

Instrument :

BNA_F

ClientSampleId :

MW-2

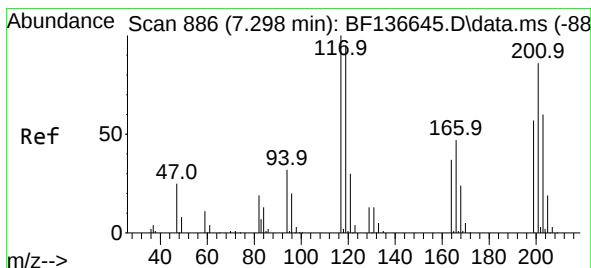
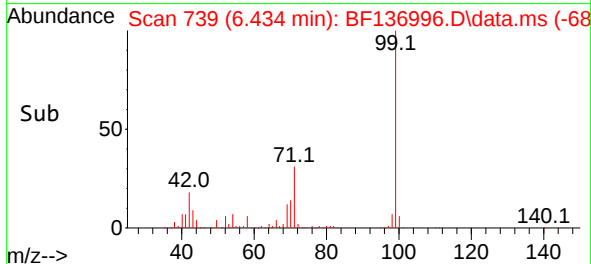
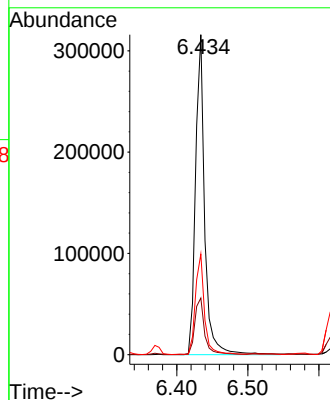
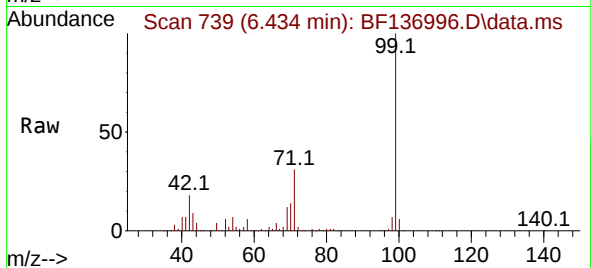
Tgt Ion: 99 Resp: 282903

Ion Ratio Lower Upper

99 100

42 17.7 16.1 24.1

71 31.4 27.4 41.2



#18

Hexachloroethane

Concen: 3.961 ng

RT: 7.269 min Scan# 881

Delta R.T. -0.029 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

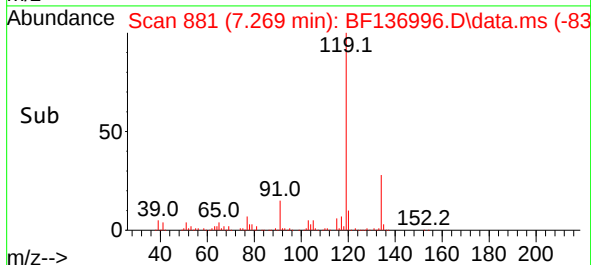
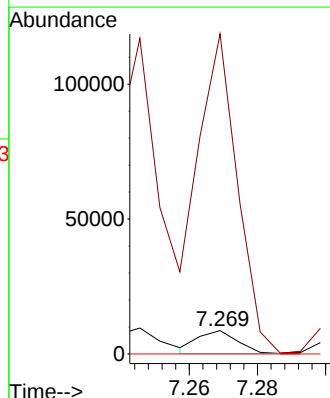
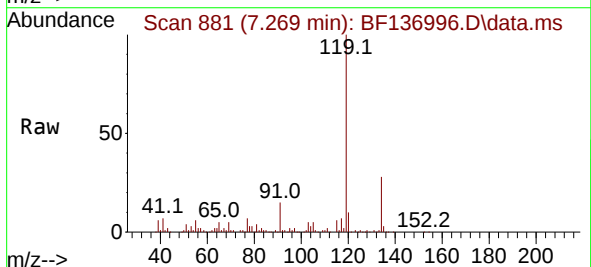
Tgt Ion: 117 Resp: 6825

Ion Ratio Lower Upper

117 100

119 1373.3 75.8 113.6#

201 0.0 69.1 103.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

Instrument :

BNA_F

ClientSampleId :

MW-2

Tgt Ion:136 Resp: 212800

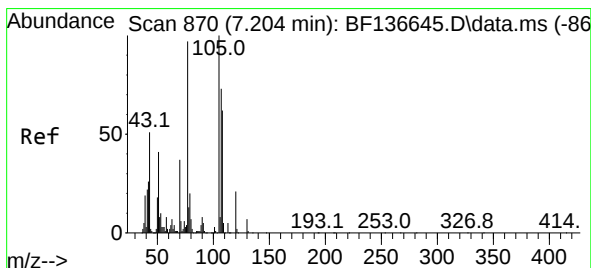
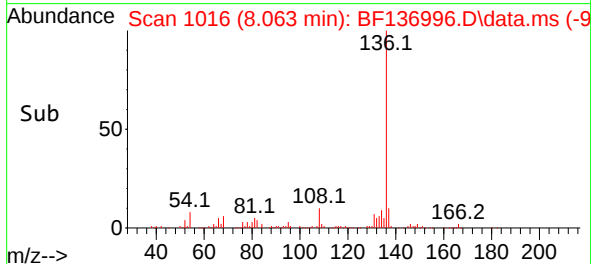
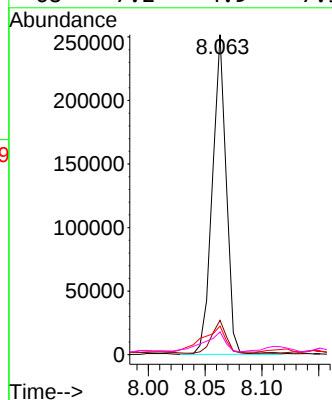
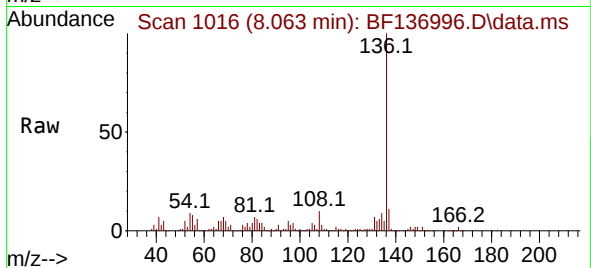
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 9.0 7.2 10.8

68 7.2 4.9 7.3



#22

Acetophenone

Concen: 23.281 ng

RT: 7.175 min Scan# 865

Delta R.T. -0.029 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

Tgt Ion:105 Resp: 124178

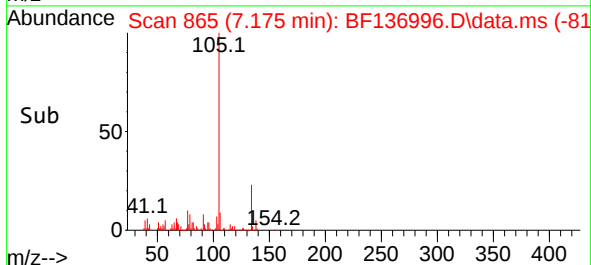
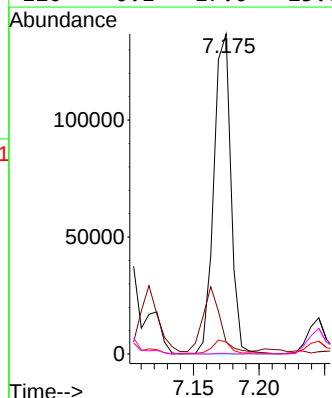
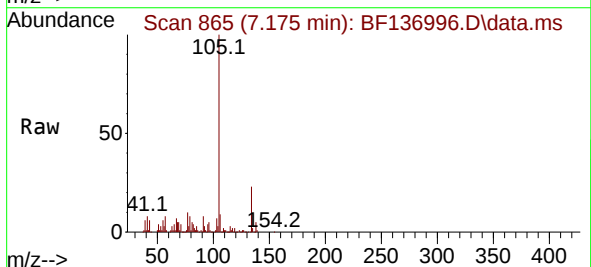
Ion Ratio Lower Upper

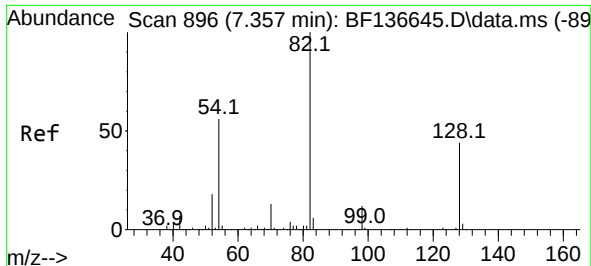
105 100

71 3.7 4.8 7.2#

51 3.8 32.8 49.2#

120 0.1 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 111.976 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

Instrument :

BNA_F

ClientSampleId :

MW-2

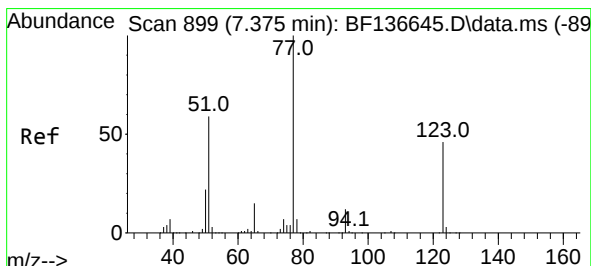
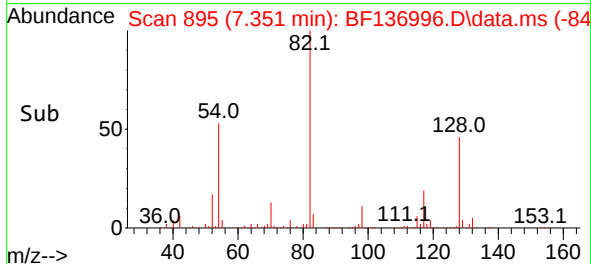
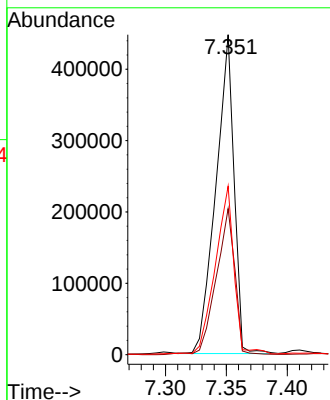
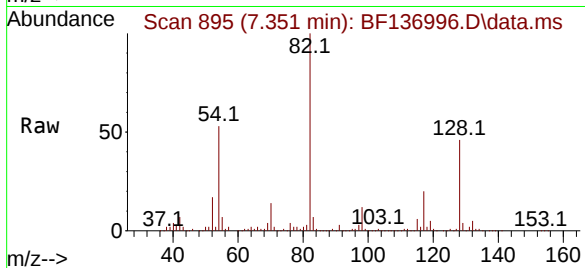
Tgt Ion: 82 Resp: 465662

Ion Ratio Lower Upper

82 100

128 45.7 35.3 52.9

54 52.6 44.5 66.7



#24

Nitrobenzene

Concen: 2.172 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.023 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

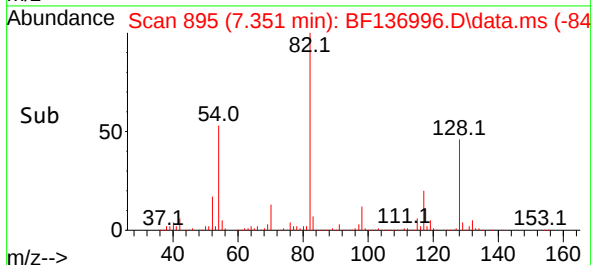
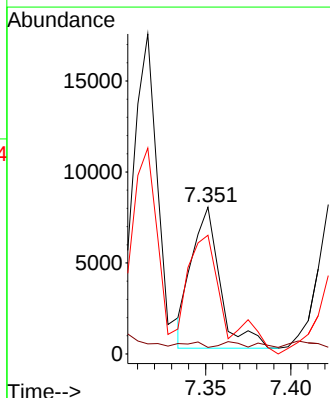
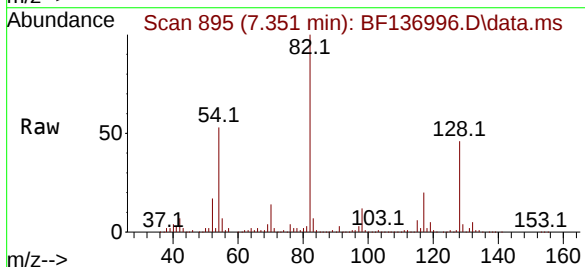
Tgt Ion: 77 Resp: 9050

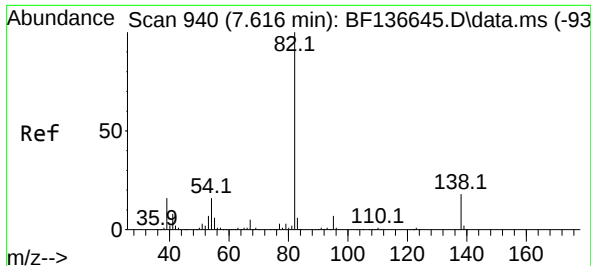
Ion Ratio Lower Upper

77 100

123 4.4 36.7 55.1#

65 81.0 11.8 17.6#

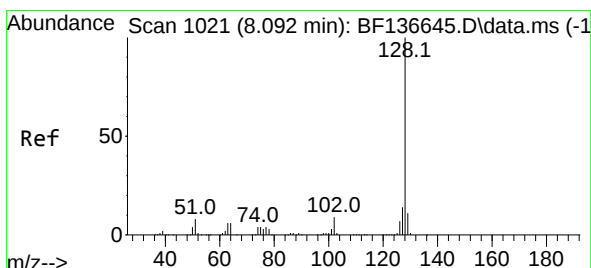
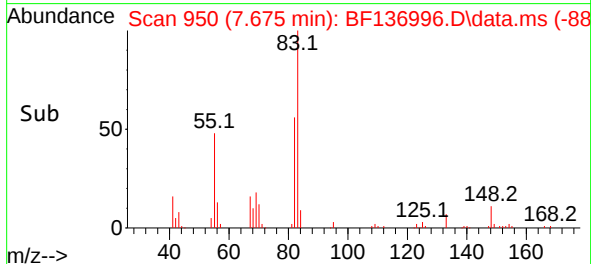
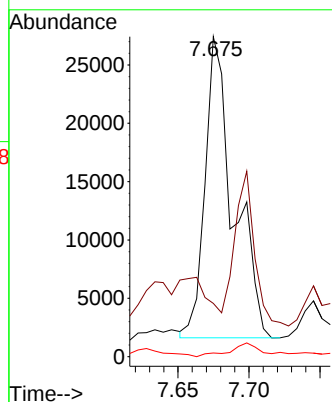
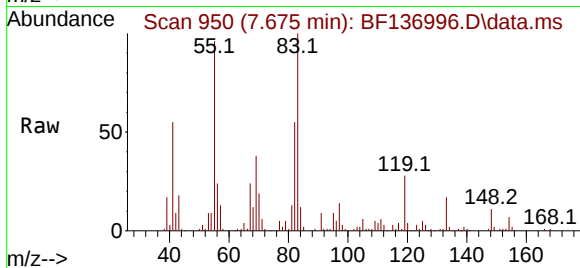




#25
Isophorone
Concen: 4.770 ng
RT: 7.675 min Scan# 91
Delta R.T. 0.059 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

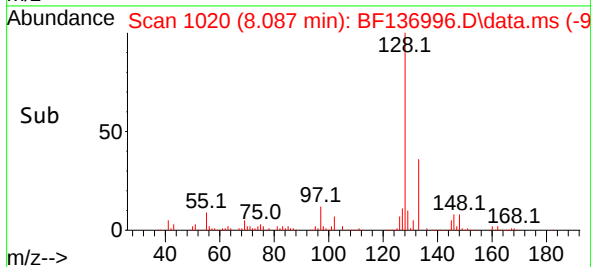
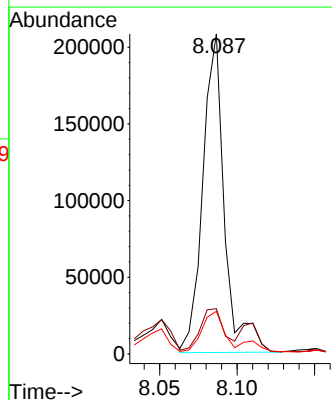
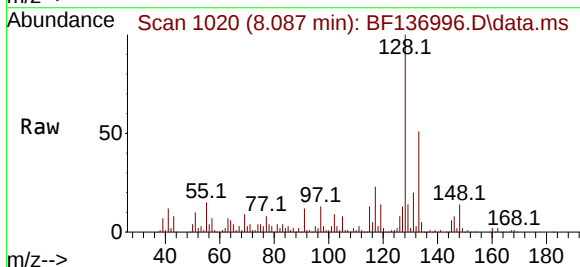
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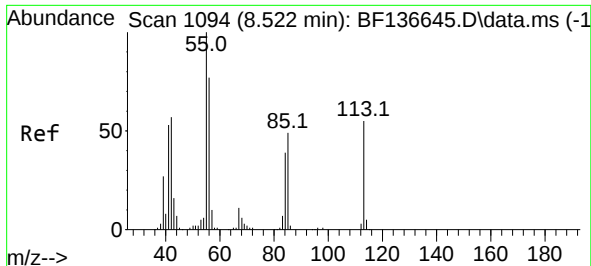
Tgt Ion: 82 Resp: 36097
Ion Ratio Lower Upper
82 100
95 16.7 5.5 8.3#
138 1.2 14.5 21.7#



#31
Naphthalene
Concen: 17.255 ng
RT: 8.087 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

Tgt Ion: 128 Resp: 201718
Ion Ratio Lower Upper
128 100
129 14.2 8.7 13.1#
127 13.3 10.8 16.2

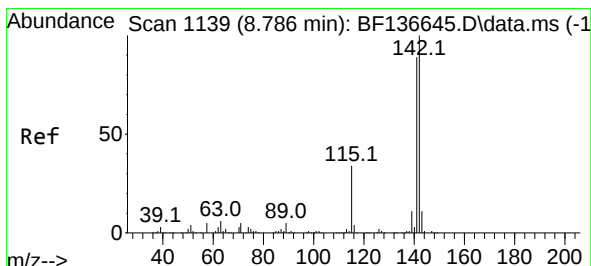
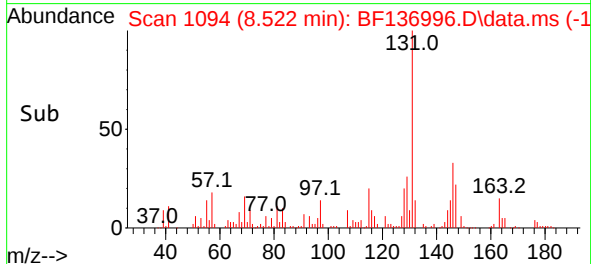
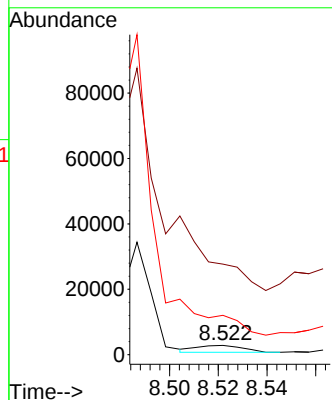
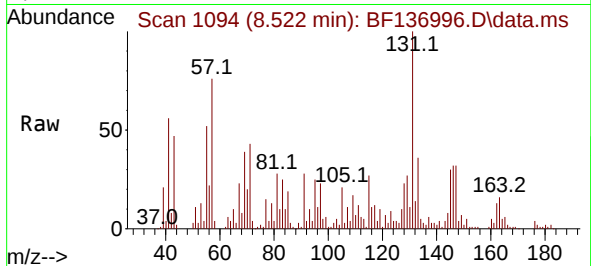




#35
 Caprolactam
 Concen: 2.693 ng
 RT: 8.522 min Scan# 1094
 Delta R.T. 0.000 min
 Lab File: BF136996.D
 Acq: 08 Jan 2024 14:17

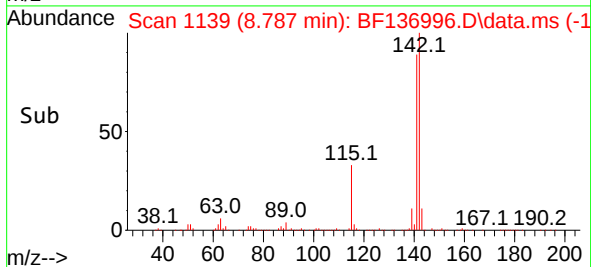
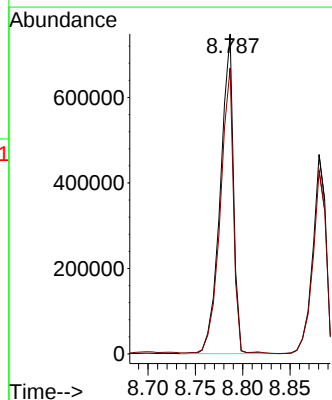
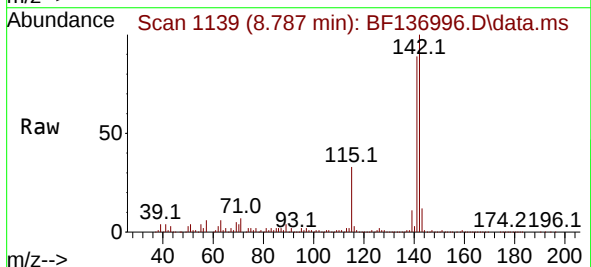
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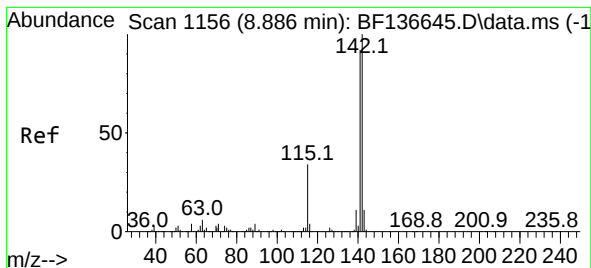
Tgt Ion:113 Resp: 2775
 Ion Ratio Lower Upper
 113 100
 55 969.7 163.1 203.1#
 56 421.8 121.7 161.7#



#37
 2-Methylnaphthalene
 Concen: 96.051 ng
 RT: 8.787 min Scan# 1139
 Delta R.T. 0.000 min
 Lab File: BF136996.D
 Acq: 08 Jan 2024 14:17

Tgt Ion:142 Resp: 722664
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.1 106.7





#38

1-Methylnaphthalene

Concen: 61.031 ng

RT: 8.881 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

Instrument :

BNA_F

ClientSampleId :

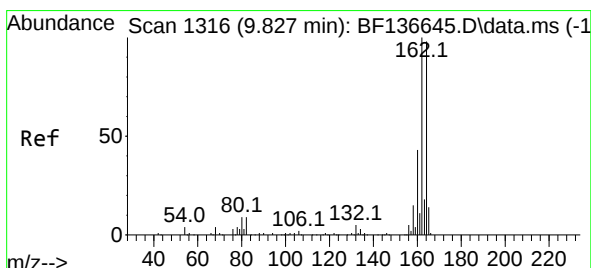
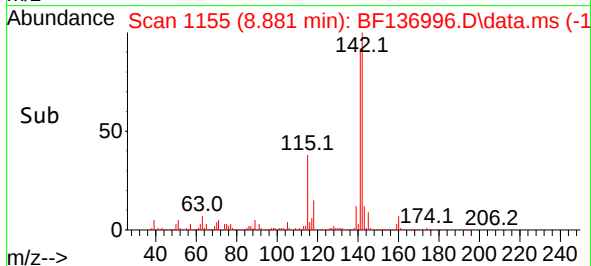
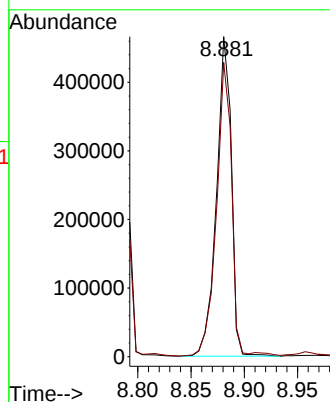
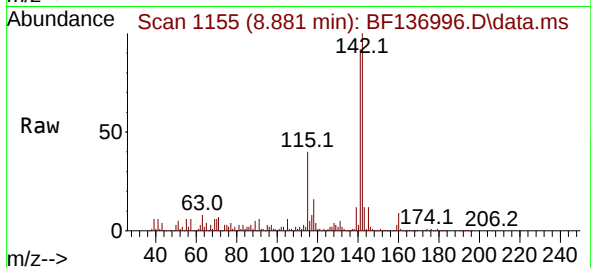
MW-2

Tgt Ion:142 Resp: 450496

Ion Ratio Lower Upper

142 100

141 91.9 73.6 110.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

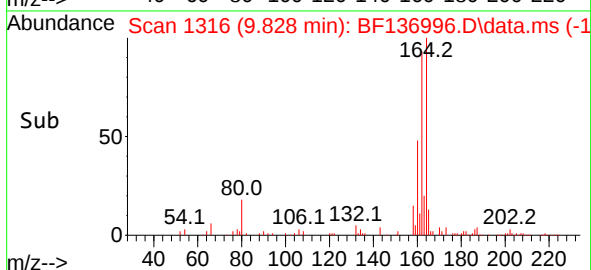
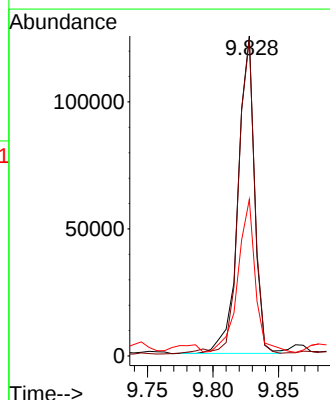
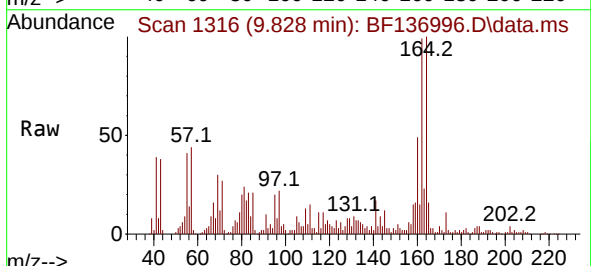
Tgt Ion:164 Resp: 109056

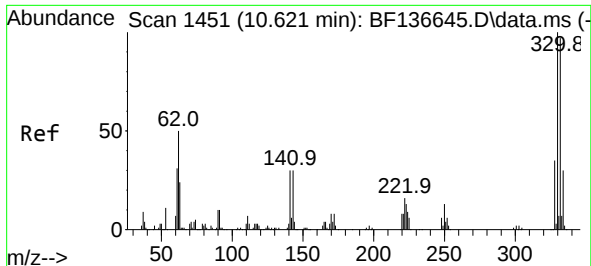
Ion Ratio Lower Upper

164 100

162 99.0 81.6 122.4

160 48.9 34.9 52.3

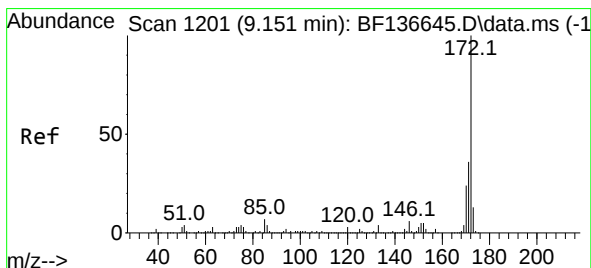
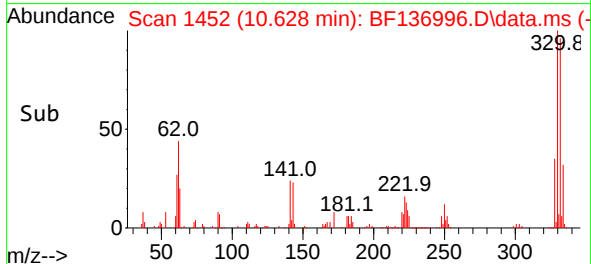
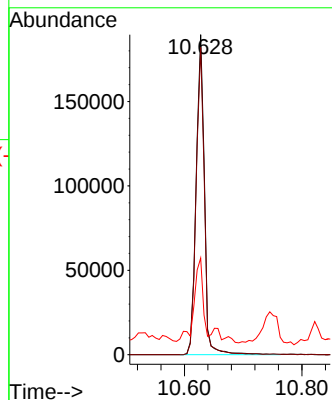
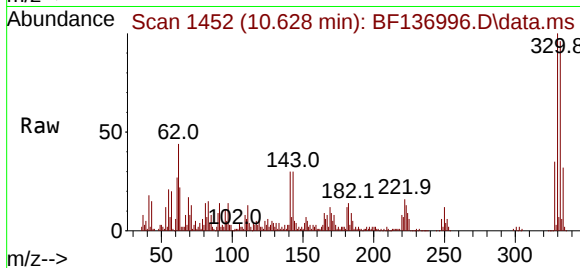




#42
2,4,6-Tribromophenol
Concen: 144.774 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

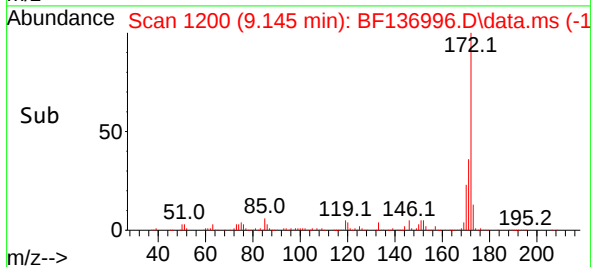
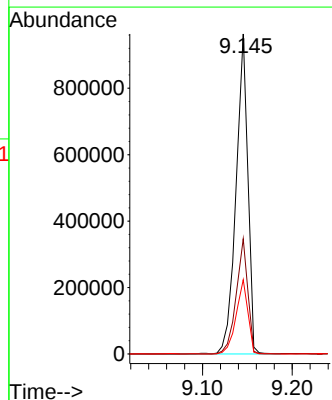
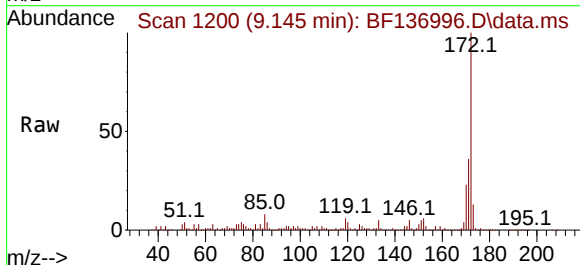
Instrument :
BNA_F
ClientSampleId :
MW-2

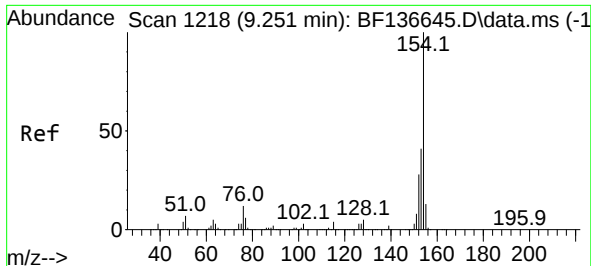
Tgt Ion:330 Resp: 185944
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.0
141 28.8 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 109.020 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

Tgt Ion:172 Resp: 883968
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 23.2 19.0 28.4

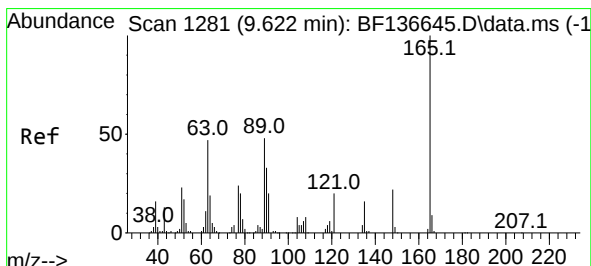
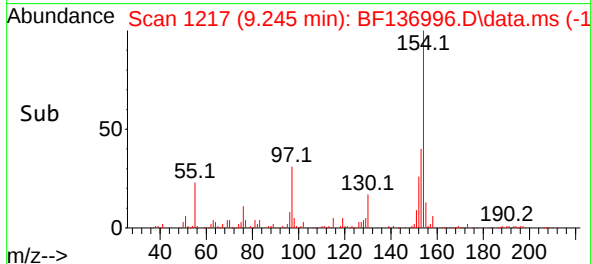
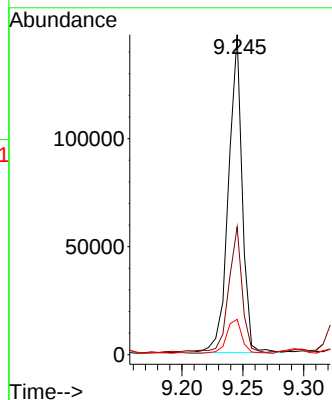
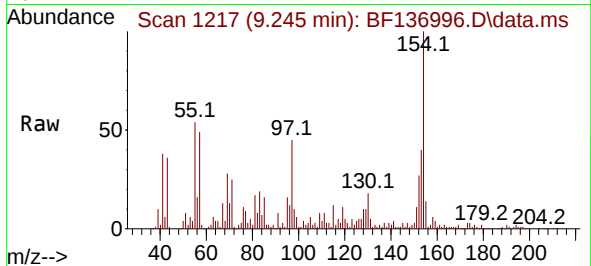




#46
1,1'-Biphenyl
Concen: 12.624 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

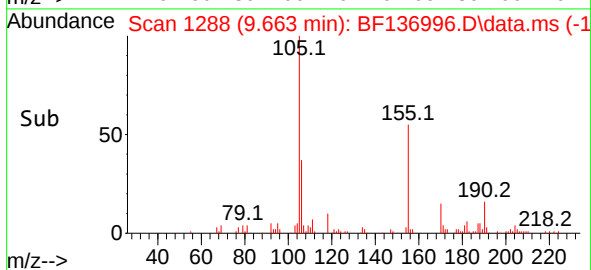
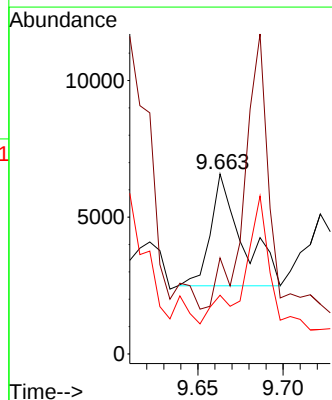
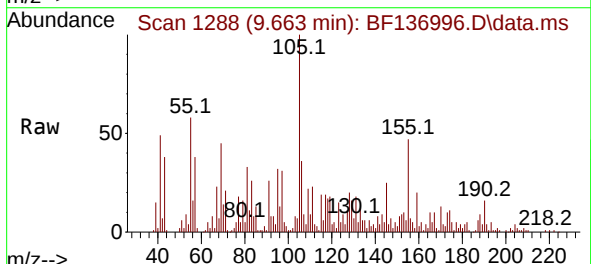
Instrument :
BNA_F
ClientSampleId :
MW-2

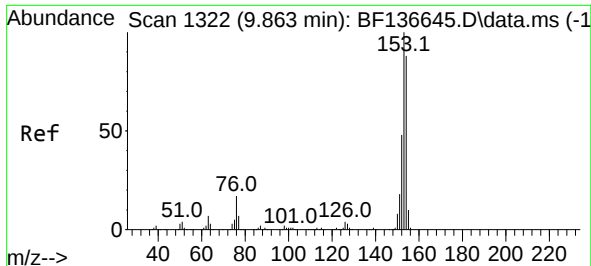
Tgt Ion:154 Resp: 115531
Ion Ratio Lower Upper
154 100
153 40.0 21.1 61.1
76 11.1 0.0 31.7



#51
2,6-Dinitrotoluene
Concen: 2.884 ng
RT: 9.663 min Scan# 1288
Delta R.T. 0.041 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

Tgt Ion:165 Resp: 5214
Ion Ratio Lower Upper
165 100
63 53.4 39.8 59.6
89 32.6 38.8 58.2#

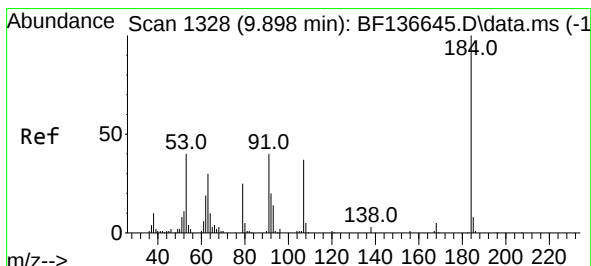
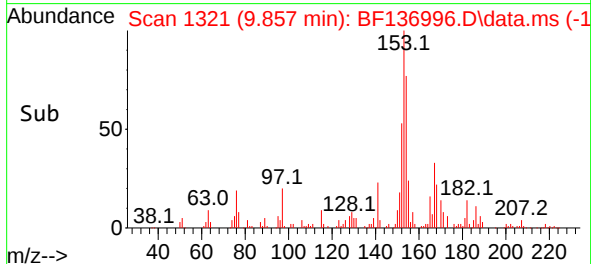
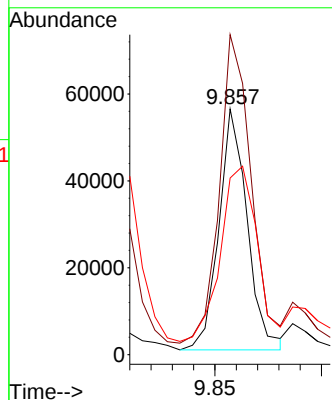
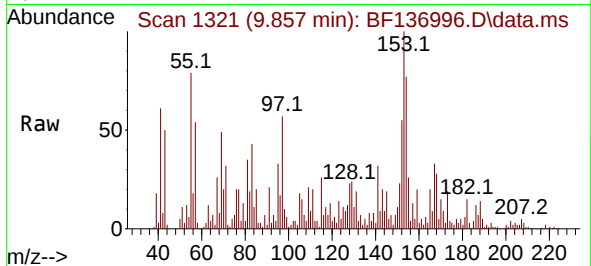




#52
Acenaphthene
Concen: 7.770 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

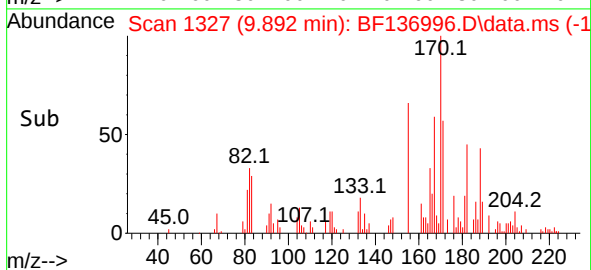
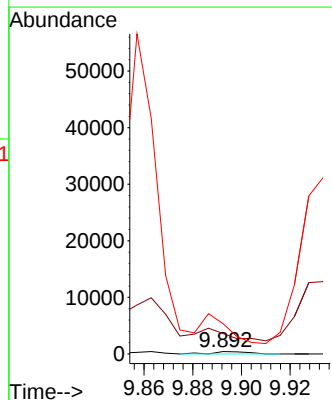
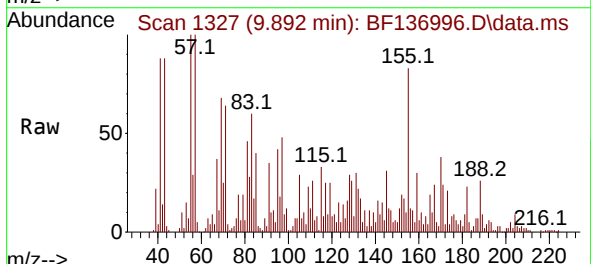
Instrument :
BNA_F
ClientSampleId :
MW-2

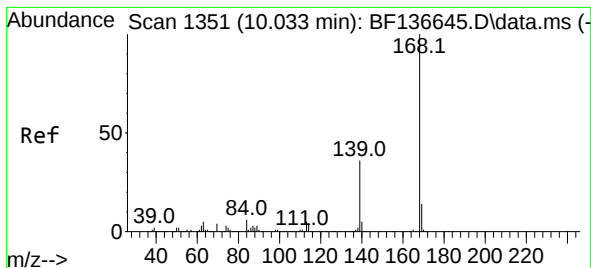
Tgt Ion:154 Resp: 51217
Ion Ratio Lower Upper
154 100
153 130.2 90.7 136.1
152 71.9 43.7 65.5#



#54
2,4-Dinitrophenol
Concen: 4.134 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

Tgt Ion:184 Resp: 419
Ion Ratio Lower Upper
184 100
63 844.4 40.9 61.3#
154 1249.5 42.7 64.1#





#55

Dibenzofuran

Concen: 4.319 ng

RT: 10.034 min Scan# 1351

Delta R.T. 0.000 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

Instrument :

BNA_F

ClientSampleId :

MW-2

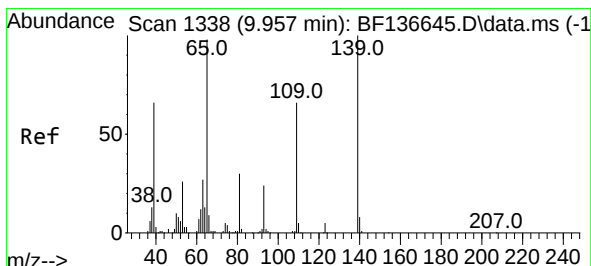
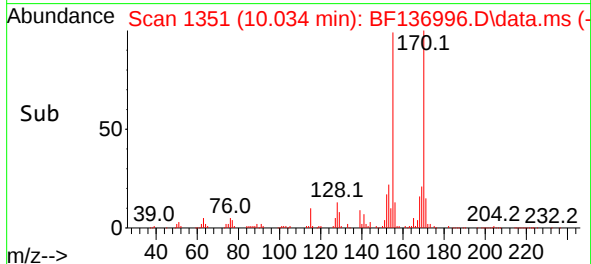
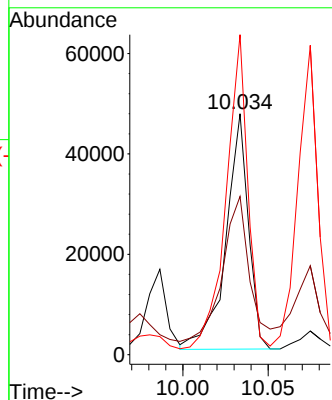
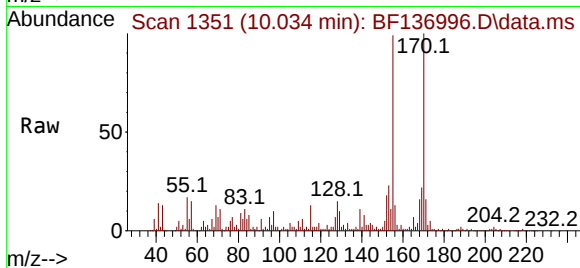
Tgt Ion:168 Resp: 43152

Ion Ratio Lower Upper

168 100

139 65.7 29.3 43.9#

169 132.8 11.0 16.4#



#56

4-Nitrophenol

Concen: 3.925 ng

RT: 9.975 min Scan# 1341

Delta R.T. 0.018 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

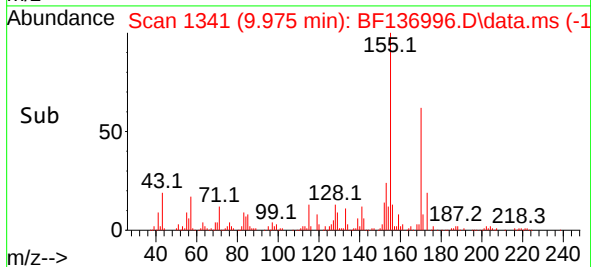
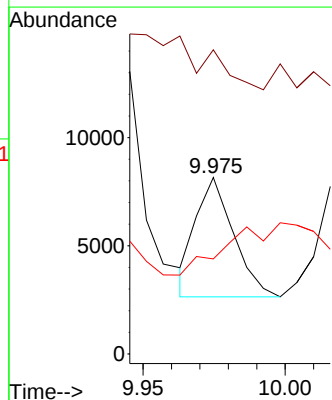
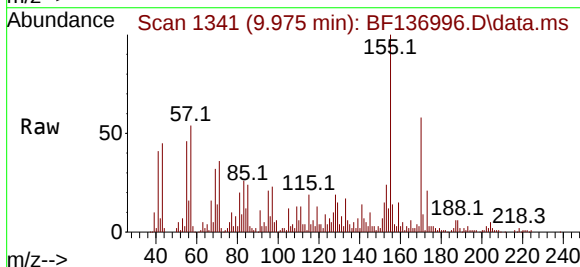
Tgt Ion:139 Resp: 5074

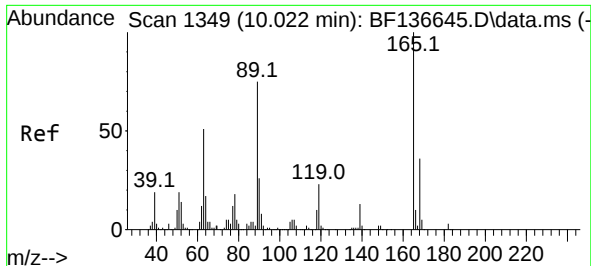
Ion Ratio Lower Upper

139 100

109 172.4 45.8 85.8#

65 53.9 77.8 117.8#

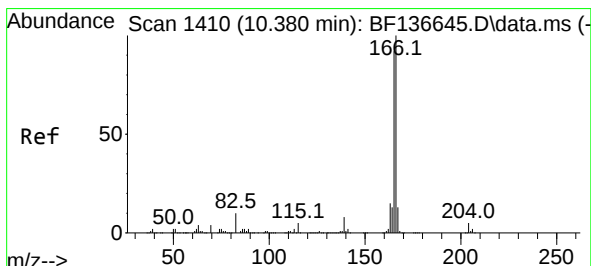
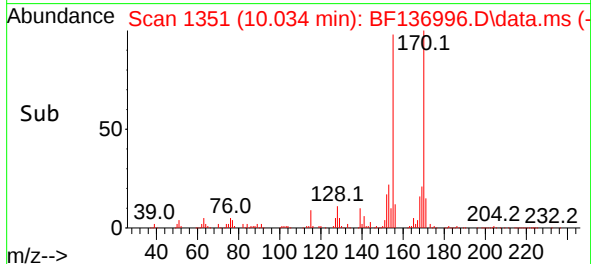
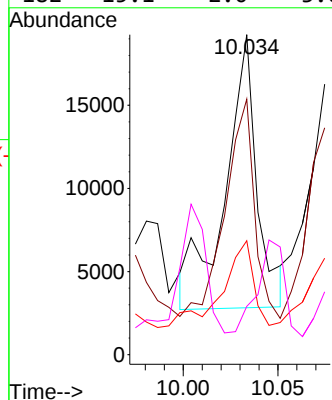
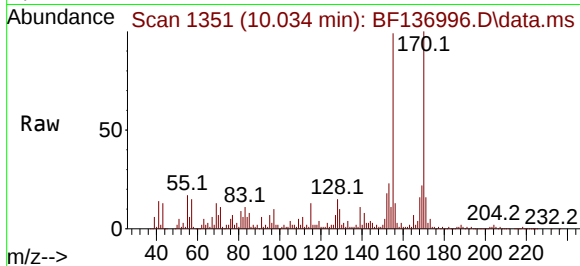




#57
2,4-Dinitrotoluene
Concen: 8.171 ng
RT: 10.034 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

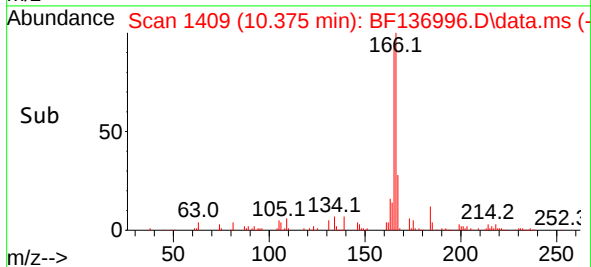
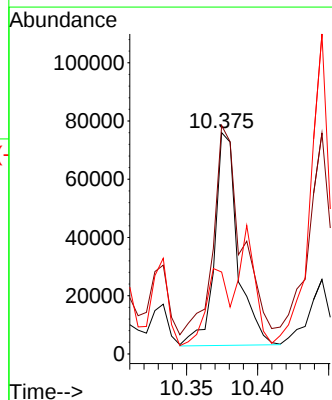
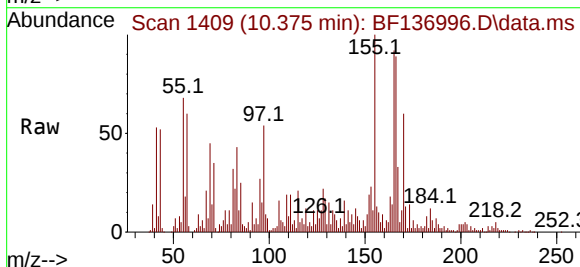
Instrument :
BNA_F
ClientSampleId :
MW-2

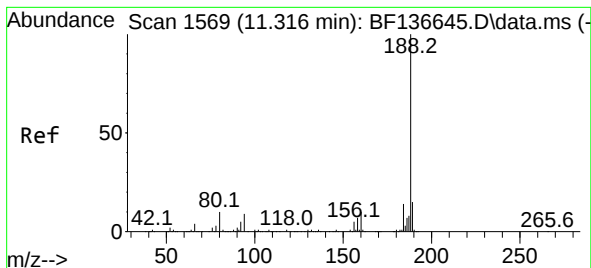
Tgt Ion:165 Resp: 19176
Ion Ratio Lower Upper
165 100
63 79.8 41.0 61.6#
89 35.6 59.9 89.9#
182 15.1 2.0 3.0#



#58
Fluorene
Concen: 10.424 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF136996.D
Acq: 08 Jan 2024 14:17

Tgt Ion:166 Resp: 82644
Ion Ratio Lower Upper
166 100
165 103.2 73.7 110.5
167 37.0 10.4 15.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

Instrument :

BNA_F

ClientSampleId :

MW-2

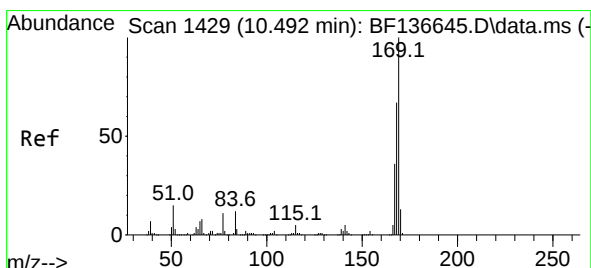
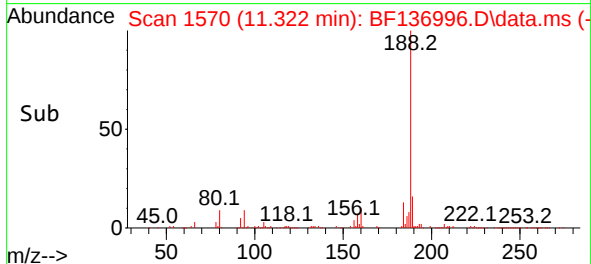
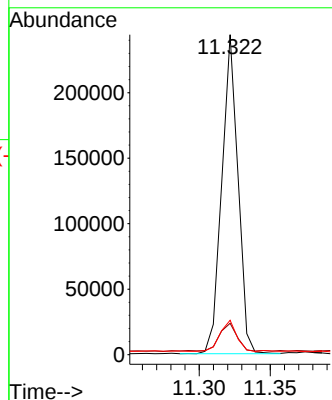
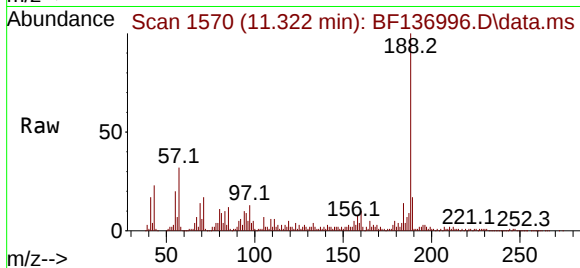
Tgt Ion:188 Resp: 192538

Ion Ratio Lower Upper

188 100

94 9.8 7.5 11.3

80 10.8 8.1 12.1



#66

n-Nitrosodiphenylamine

Concen: 16.884 ng

RT: 10.486 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

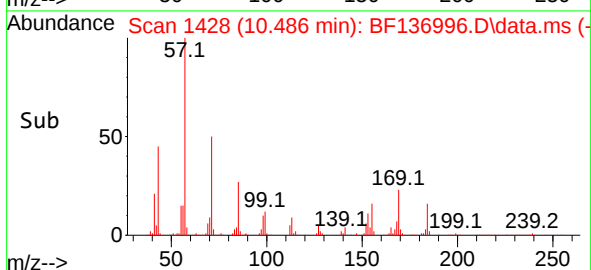
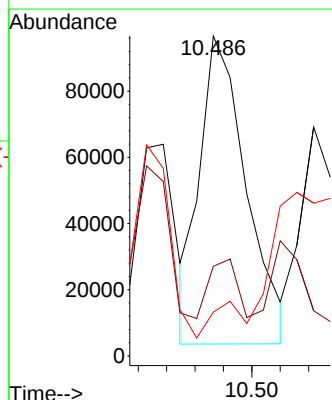
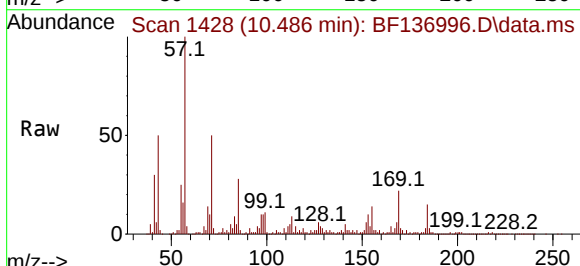
Tgt Ion:169 Resp: 105599

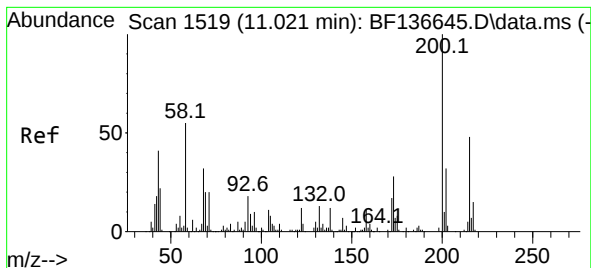
Ion Ratio Lower Upper

169 100

168 28.0 53.8 80.6#

167 13.7 28.7 43.1#





#69

Atrazine

Concen: 2.690 ng

RT: 11.033 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

Instrument :

BNA_F

ClientSampleId :

MW-2

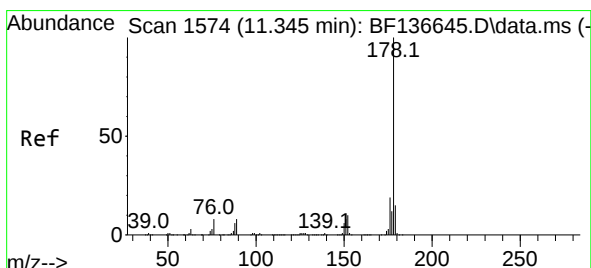
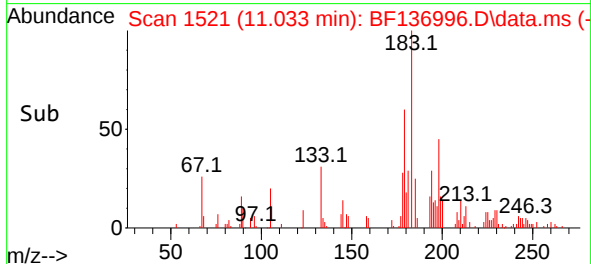
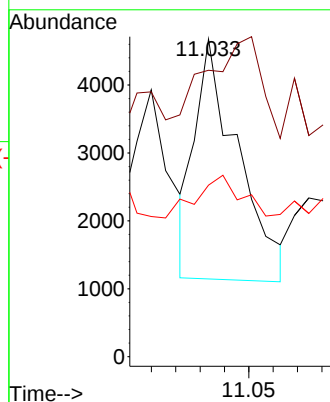
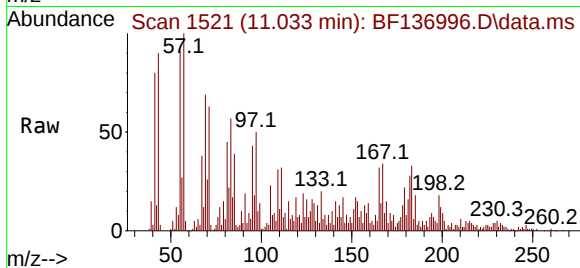
Tgt Ion:200 Resp: 4304

Ion Ratio Lower Upper

200 100

173 90.2 7.6 47.6#

215 54.0 28.3 68.3



#71

Phenanthrene

Concen: 27.422 ng

RT: 11.345 min Scan# 1574

Delta R.T. 0.000 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

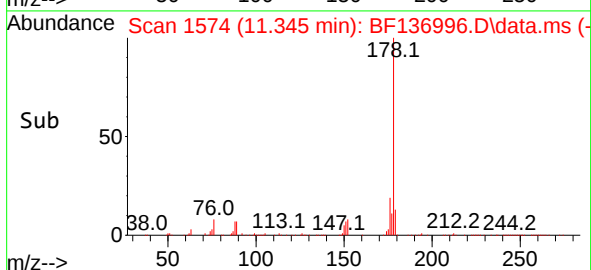
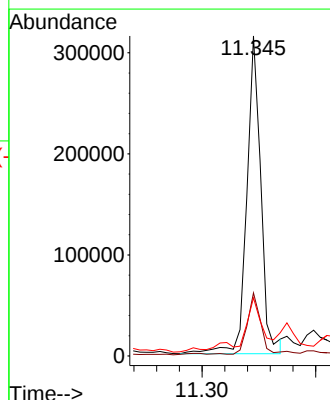
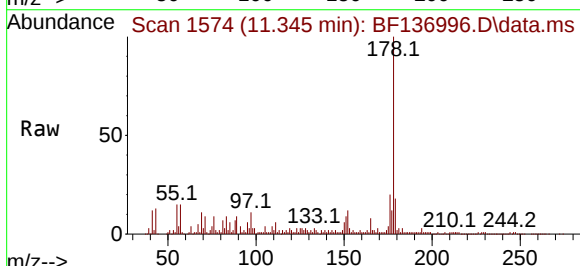
Tgt Ion:178 Resp: 270913

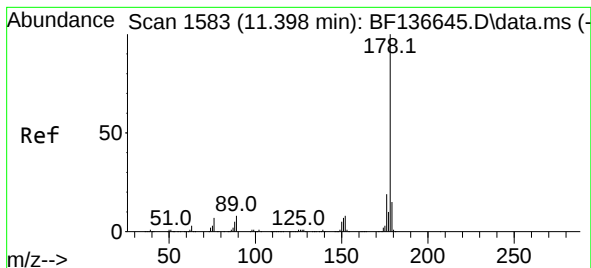
Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

179 18.1 11.9 17.9#





#72

Anthracene

Concen: 2.538 ng

RT: 11.398 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

Instrument :

BNA_F

ClientSampleId :

MW-2

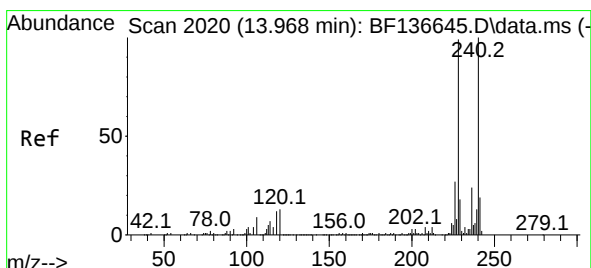
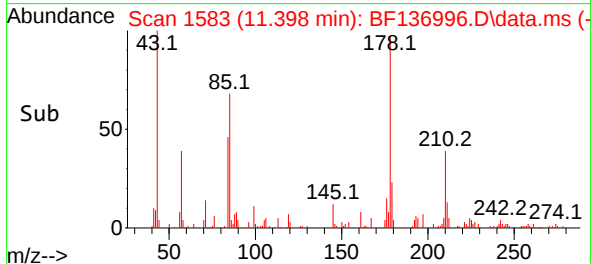
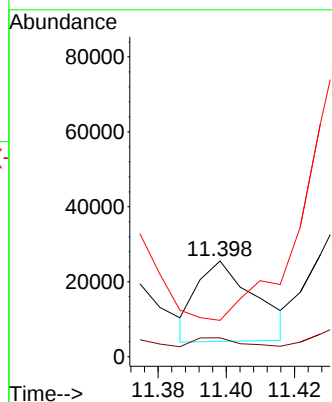
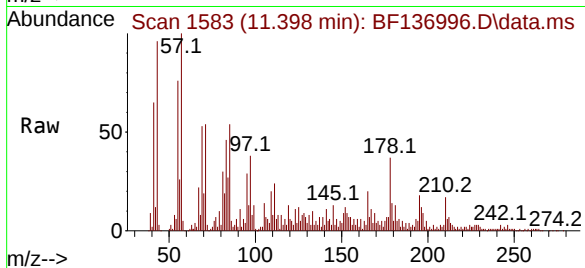
Tgt Ion:178 Resp: 25392

Ion Ratio Lower Upper

178 100

176 19.8 14.9 22.3

179 38.0 11.8 17.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

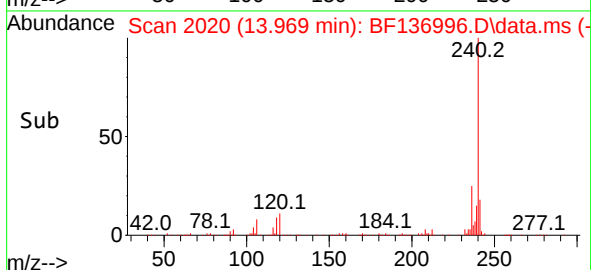
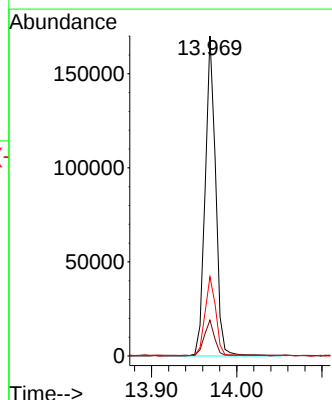
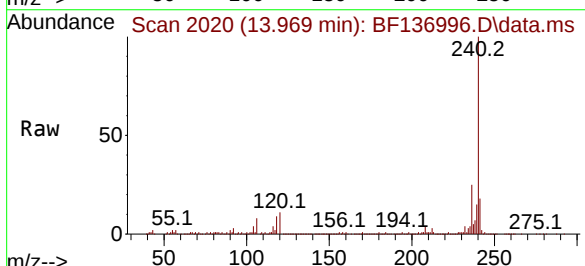
Tgt Ion:240 Resp: 145074

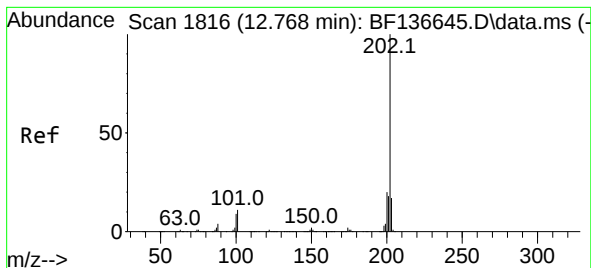
Ion Ratio Lower Upper

240 100

120 11.2 10.3 15.5

236 24.8 19.4 29.2





#78

Pyrene

Concen: 4.034 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

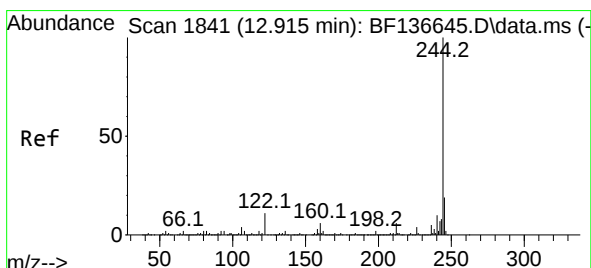
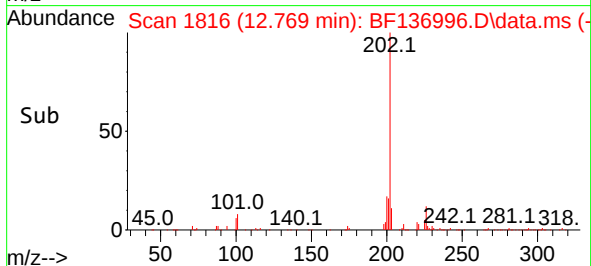
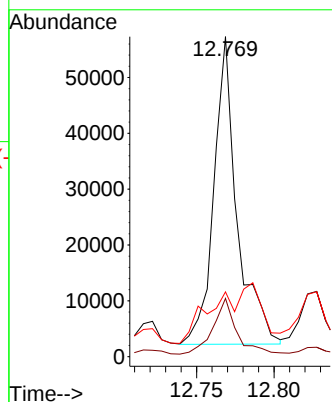
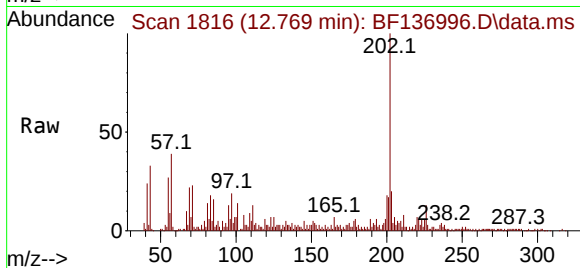
Instrument :

BNA_F

ClientSampleId :

MW-2

Tgt Ion:	202	Resp:	57453
Ion Ratio	Lower	Upper	
202	100		
200	18.2	15.9	23.9
203	20.3	13.8	20.6



#79

Terphenyl-d14

Concen: 86.664 ng

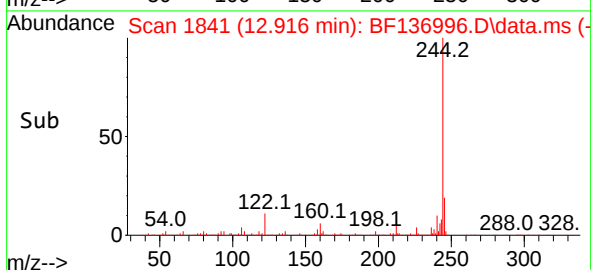
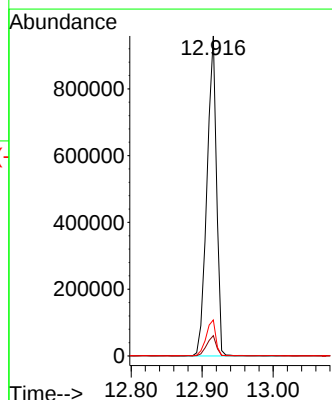
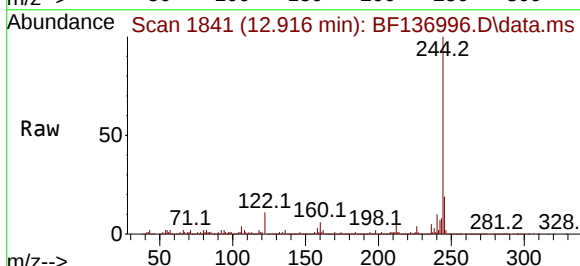
RT: 12.916 min Scan# 1841

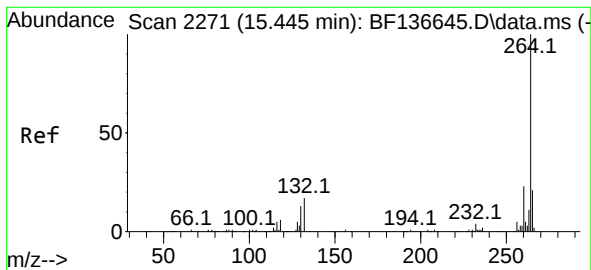
Delta R.T. 0.000 min

Lab File: BF136996.D

Acq: 08 Jan 2024 14:17

Tgt Ion:	244	Resp:	899672
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.0	7.4
122	11.3	9.0	13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF136996.D
 Acq: 08 Jan 2024 14:17

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Tgt Ion:264 Resp: 136167
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.3 27.5
 265 21.9 17.0 25.6

