

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122823\
 Data File : BF136811.D
 Acq On : 29 Dec 2023 00:25
 Operator : CG\JU
 Sample : 05862-12DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-LIQUIDS-20231213-01DL

Quant Time: Dec 29 00:52:20 2023
 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

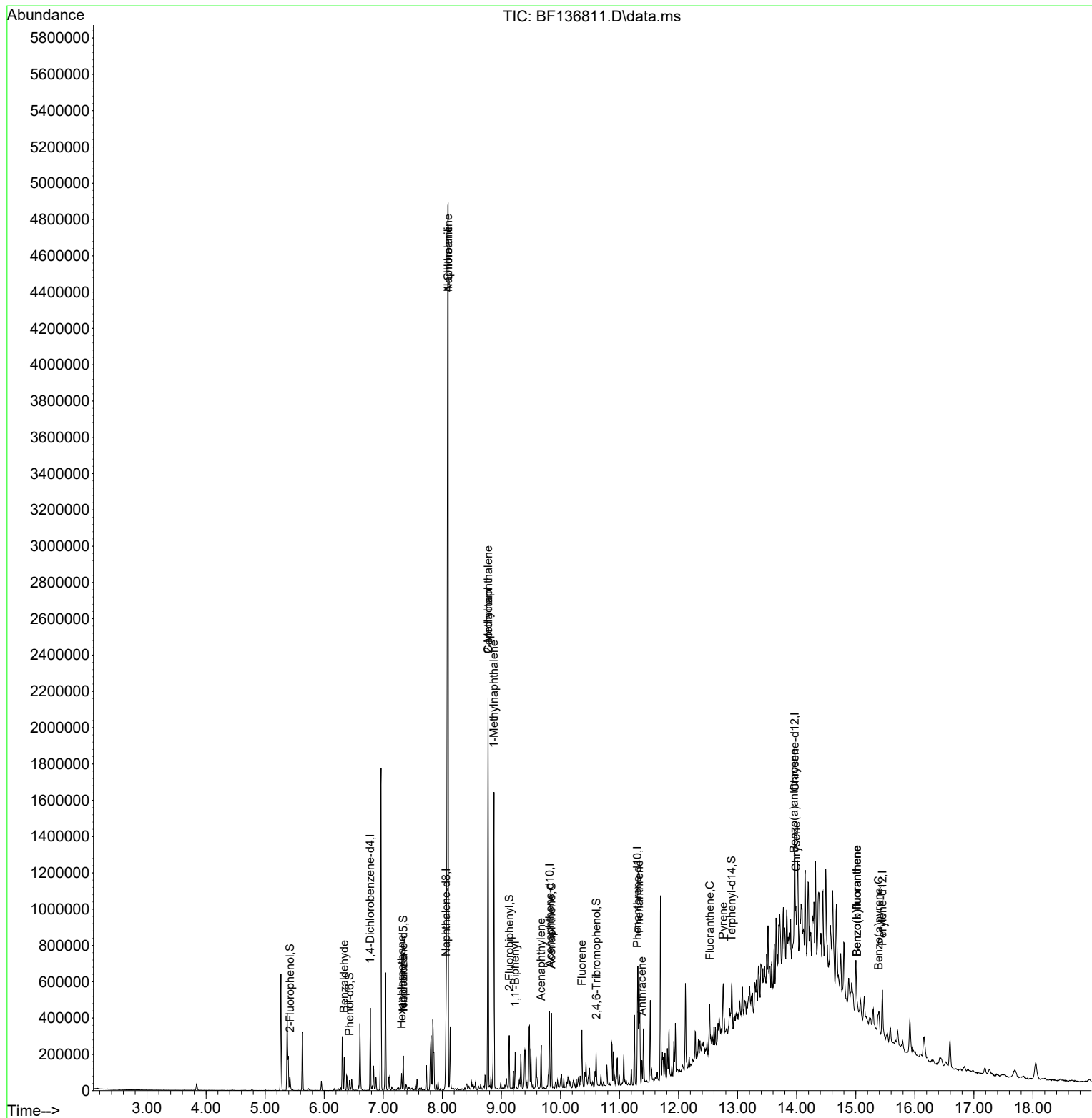
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	61134	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	209375	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	84187	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	138345	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	127594	20.000	ng	0.00
86) Perylene-d12	15.451	264	112073	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	24068	6.143	ng	0.00
7) Phenol-d6	6.428	99	19389	3.819	ng	-0.01
23) Nitrobenzene-d5	7.339	82	40837	9.981	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	11775	11.876	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	79900	12.765	ng	-0.02
79) Terphenyl-d14	12.898	244	68119	7.461	ng	-0.02
Target Compounds						
						Qvalue
9) Benzaldehyde	6.339	77	6187	2.142	ng	# 1
18) Hexachloroethane	7.310	117	6379	3.675	ng	# 1
25) Isophorone	7.339	82	40712	5.468	ng	# 65
31) Naphthalene	8.098	128	3071793	267.054	ng	99
33) 4-Chloroaniline	8.098	127	425142	100.106	ng	# 38
35) Caprolactam	8.775	113	11386	11.229	ng	# 1
37) 2-Methylnaphthalene	8.775	142	552541	74.641	ng	99
38) 1-Methylnaphthalene	8.875	142	399566	55.017	ng	99
46) 1,1'-Biphenyl	9.233	154	55124	7.803	ng	100
49) Acenaphthylene	9.675	152	56234	6.850	ng	# 96
52) Acenaphthene	9.845	154	76146	14.964	ng	97
58) Fluorene	10.363	166	79647	13.013	ng	98
71) Phenanthrene	11.333	178	218535	30.786	ng	99
72) Anthracene	11.380	178	40465	5.629	ng	98
75) Fluoranthene	12.527	202	60519	7.970	ng	84
78) Pyrene	12.757	202	97031	7.747	ng	96
81) Benzo(a)anthracene	13.957	228	31958	3.607	ng	# 81
83) Chrysene	13.992	228	33673	3.886	ng	# 91
88) Benzo(b)fluoranthene	15.021	252	17327	2.315	ng	# 58
89) Benzo(k)fluoranthene	15.021	252	17324	2.449	ng	# 57
90) Benzo(a)pyrene	15.386	252	14823	2.346	ng	# 78

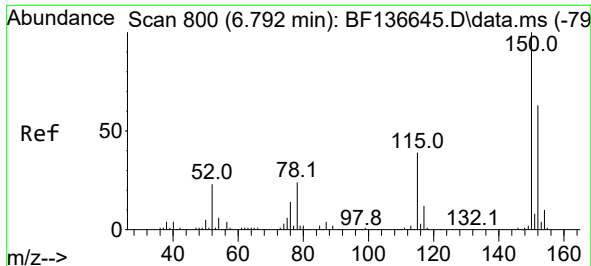
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 21 01:54:25 2023
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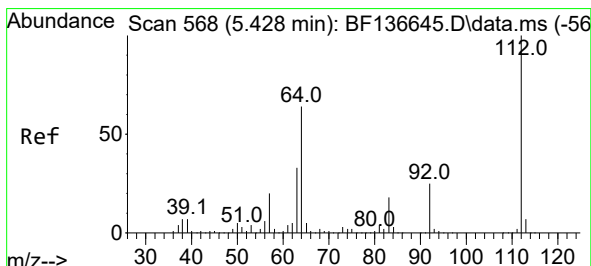
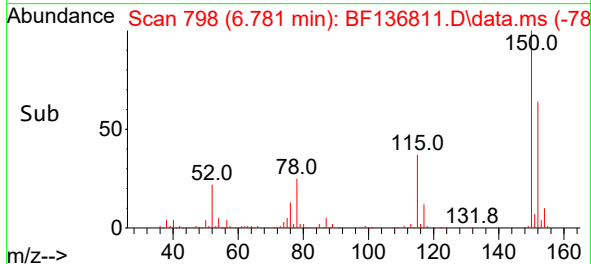
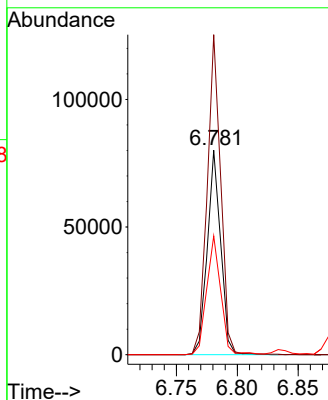
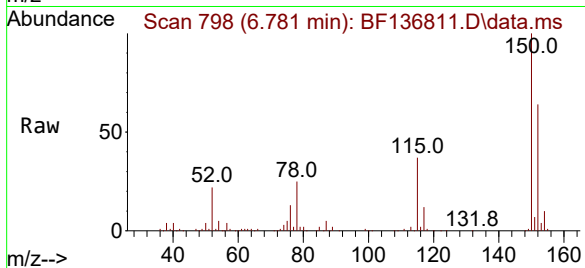




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

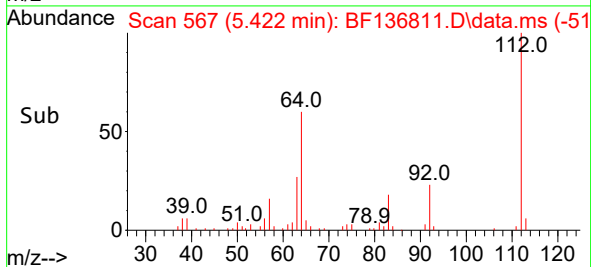
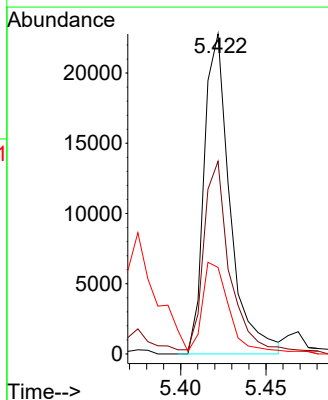
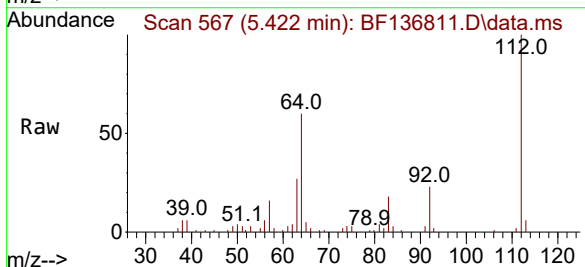
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

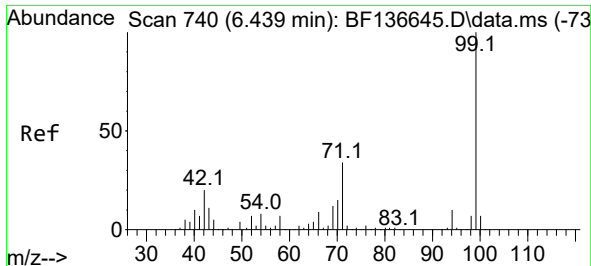
Tgt Ion:152 Resp: 61134
Ion Ratio Lower Upper
152 100
150 156.5 127.0 190.6
115 58.1 49.0 73.4



#5
2-Fluorophenol
Concen: 6.143 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

Tgt Ion:112 Resp: 24068
Ion Ratio Lower Upper
112 100
64 60.2 51.1 76.7
63 27.1 26.1 39.1

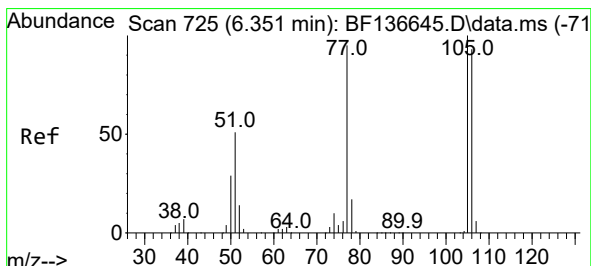
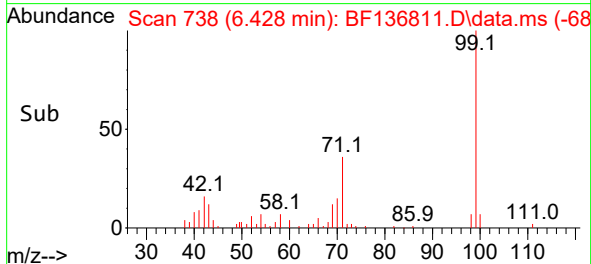
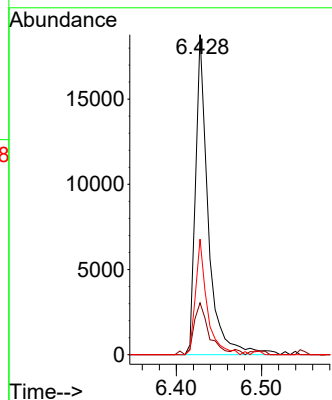
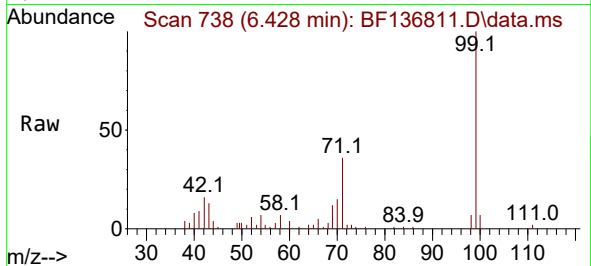




#7
Phenol-d6
Concen: 3.819 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

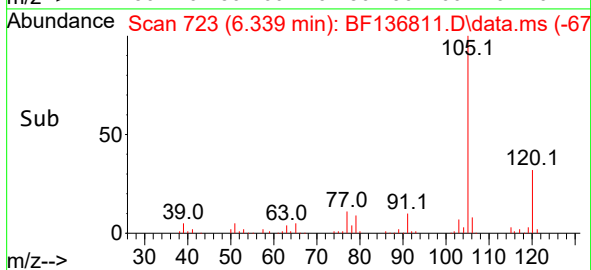
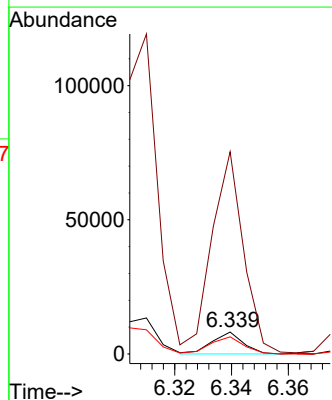
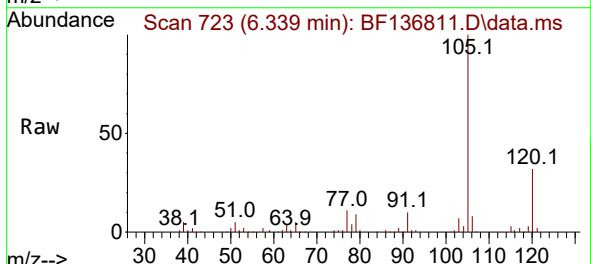
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

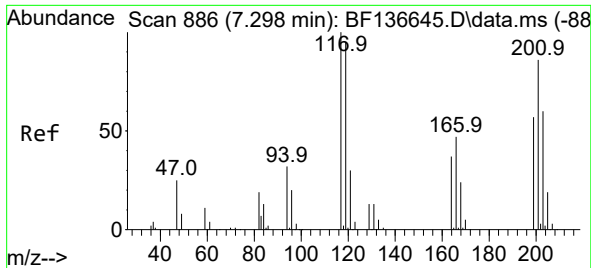
Tgt Ion: 99 Resp: 19389
Ion Ratio Lower Upper
99 100
42 16.2 16.1 24.1
71 36.1 27.4 41.2



#9
Benzaldehyde
Concen: 2.142 ng
RT: 6.339 min Scan# 723
Delta R.T. -0.012 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

Tgt Ion: 77 Resp: 6187
Ion Ratio Lower Upper
77 100
105 922.7 84.8 124.8#
106 78.2 77.8 117.8

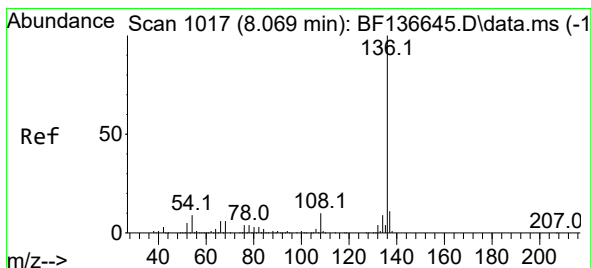
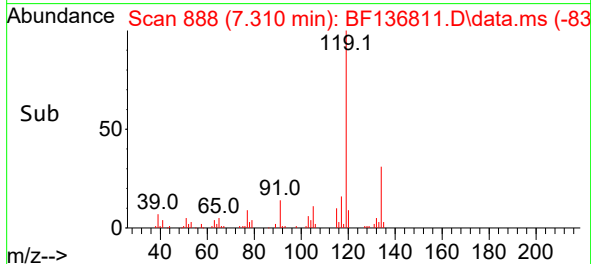
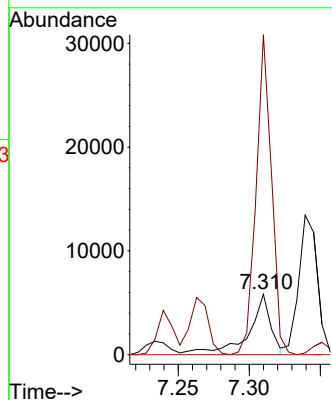
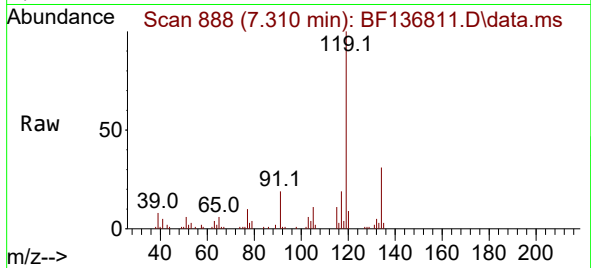




#18
Hexachloroethane
Concen: 3.675 ng
RT: 7.310 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

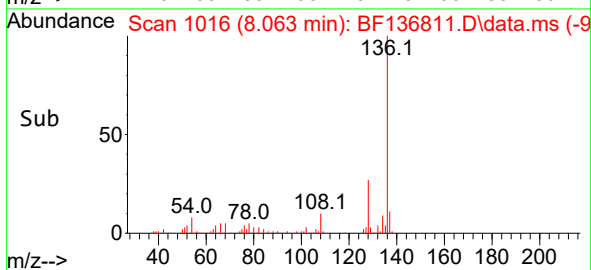
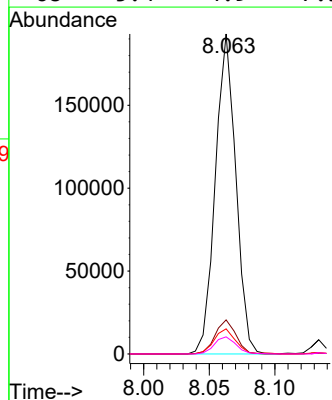
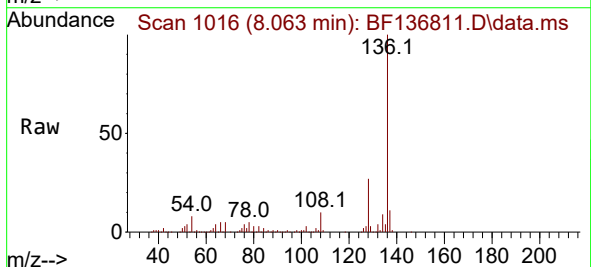
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

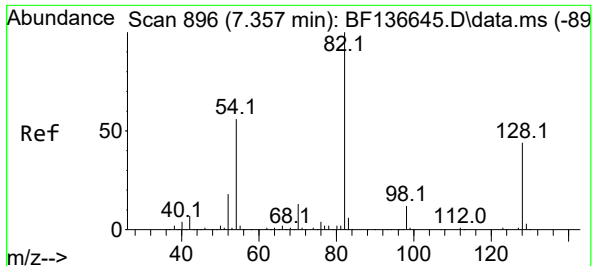
Tgt Ion:117 Resp: 6379
Ion Ratio Lower Upper
117 100
119 529.8 75.8 113.6#
201 0.0 69.1 103.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

Tgt Ion:136 Resp: 209375
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 7.8 7.2 10.8
68 5.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 9.981 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL

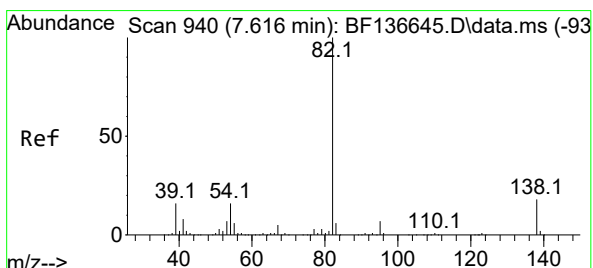
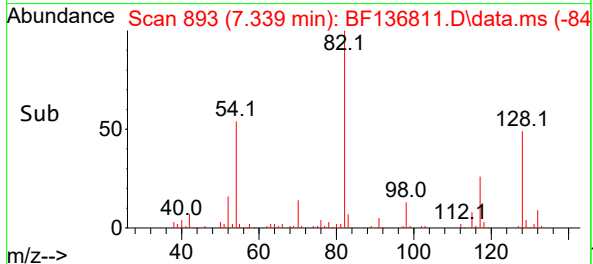
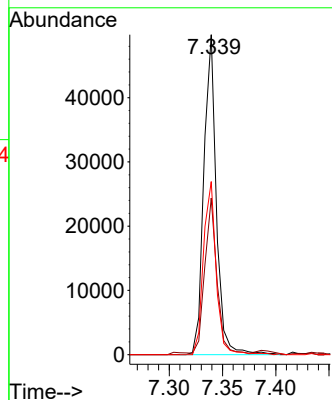
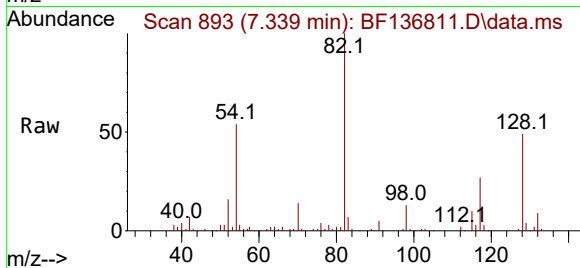
Tgt Ion: 82 Resp: 40837

Ion Ratio Lower Upper

82 100

128 49.0 35.3 52.9

54 54.1 44.5 66.7



#25

Isophorone

Concen: 5.468 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.276 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

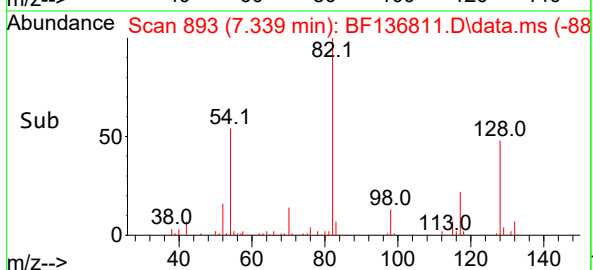
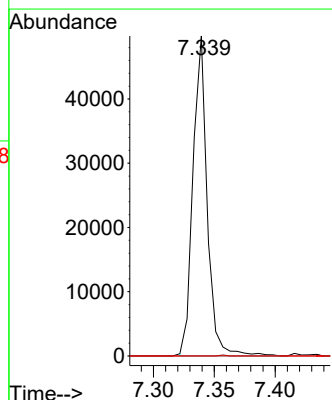
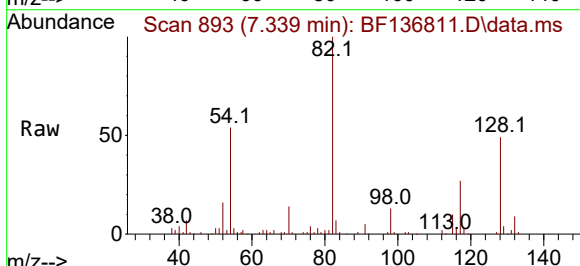
Tgt Ion: 82 Resp: 40712

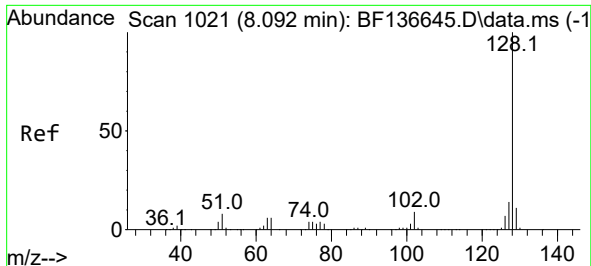
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.5 21.7#

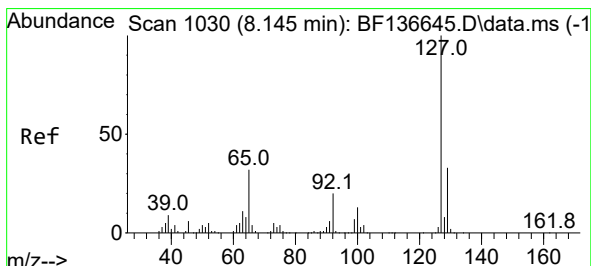
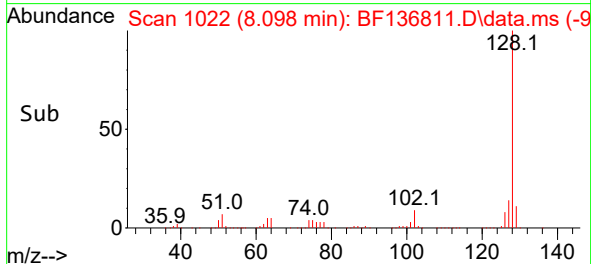
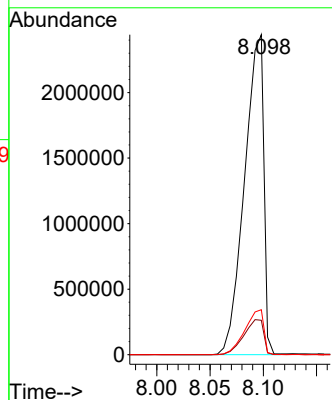
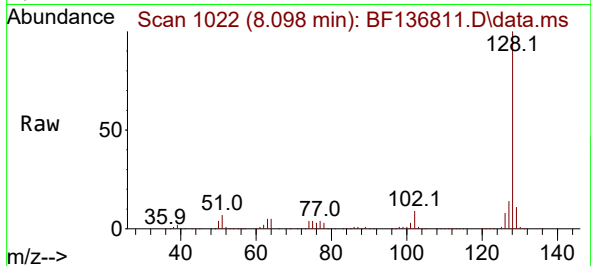




#31
Naphthalene
Concen: 267.054 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.006 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

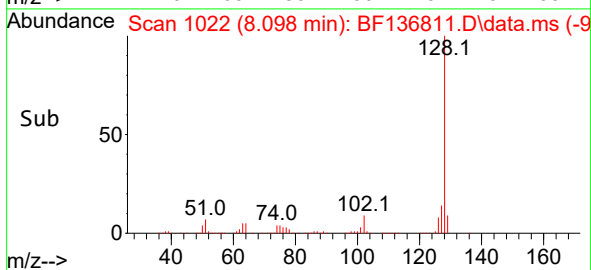
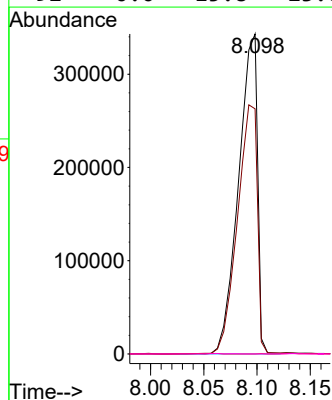
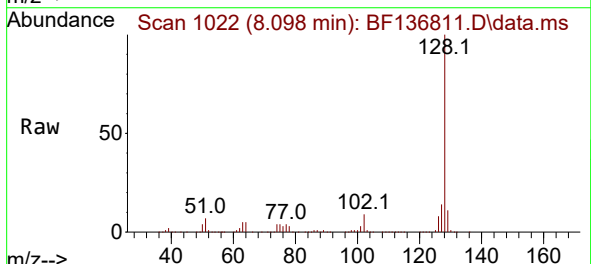
Instrument :
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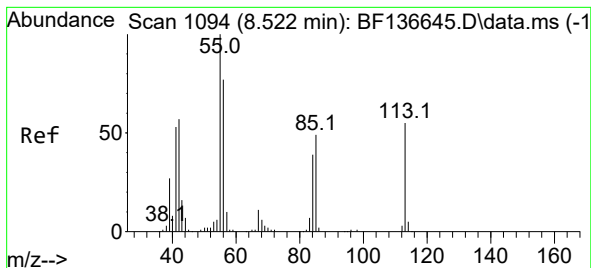
Tgt Ion:128 Resp: 3071793
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 14.1 10.8 16.2



#33
4-Chloroaniline
Concen: 100.106 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.047 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

Tgt Ion:127 Resp: 425142
Ion Ratio Lower Upper
127 100
129 76.6 26.3 39.5#
65 0.0 25.8 38.8#
92 0.0 15.8 23.6#





#35

Caprolactam

Concen: 11.229 ng

RT: 8.775 min Scan# 1137

Delta R.T. 0.253 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL

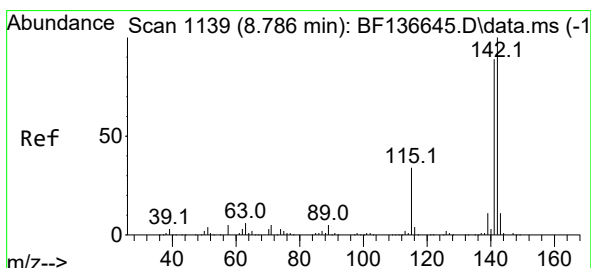
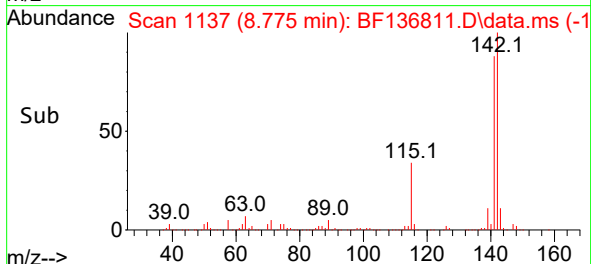
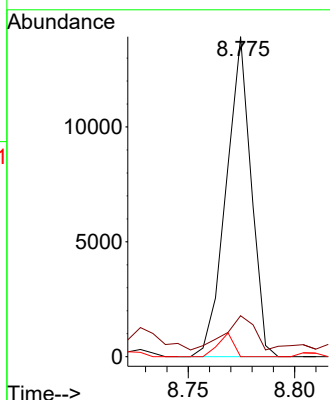
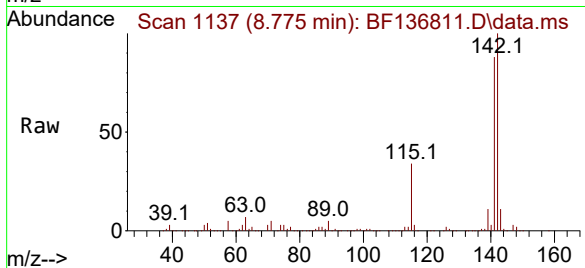
Tgt Ion:113 Resp: 11386

Ion Ratio Lower Upper

113 100

55 12.8 163.1 203.1#

56 0.0 121.7 161.7#



#37

2-Methylnaphthalene

Concen: 74.641 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136811.D

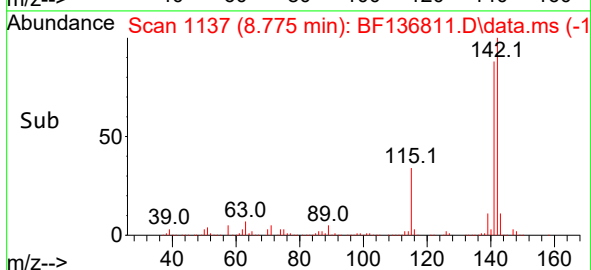
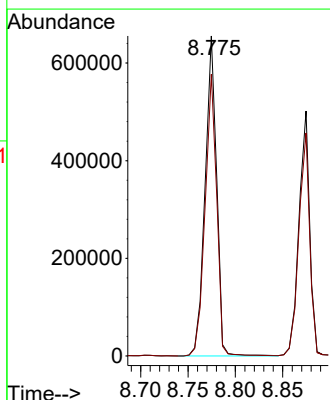
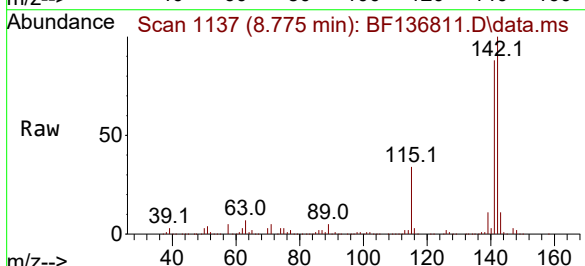
Acq: 29 Dec 2023 00:25

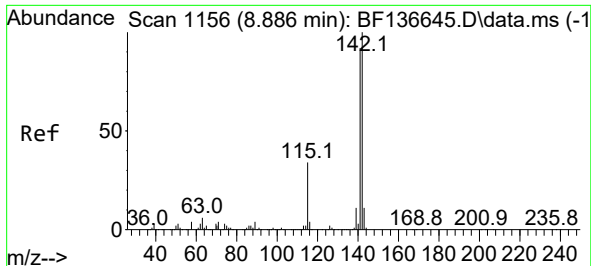
Tgt Ion:142 Resp: 552541

Ion Ratio Lower Upper

142 100

141 88.0 71.1 106.7

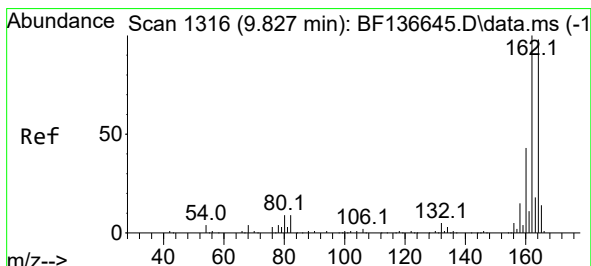
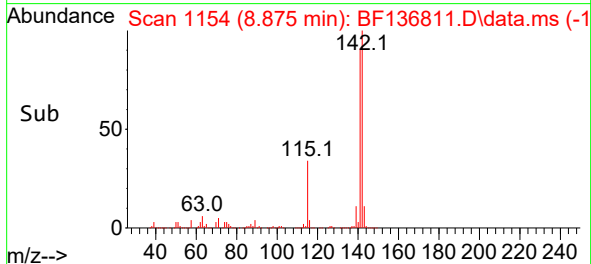
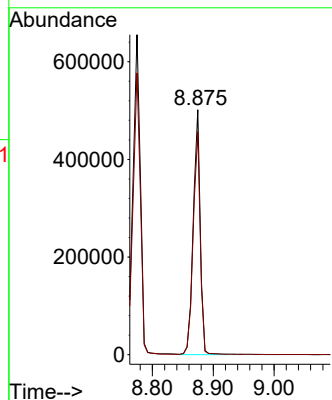
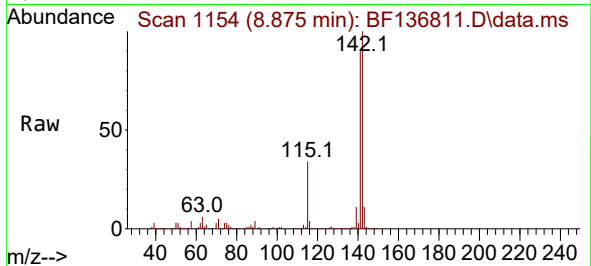




#38
1-Methylnaphthalene
Concen: 55.017 ng
RT: 8.875 min Scan# 1156
Delta R.T. -0.012 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

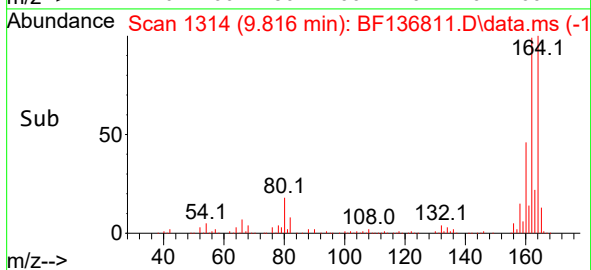
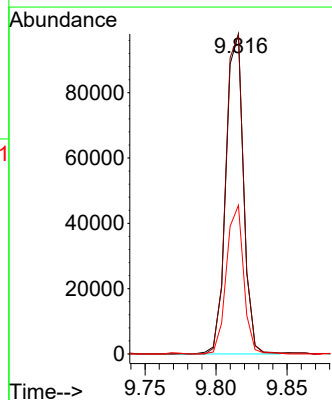
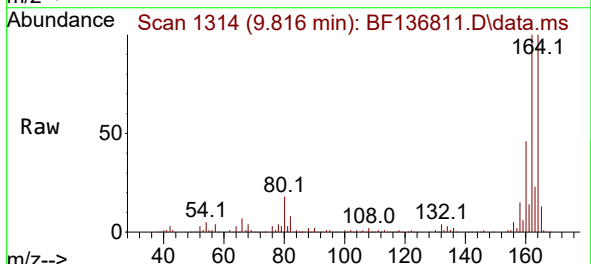
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

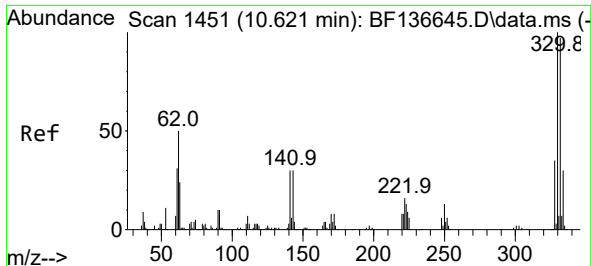
Tgt Ion:142 Resp: 399566
Ion Ratio Lower Upper
142 100
141 91.1 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

Tgt Ion:164 Resp: 84187
Ion Ratio Lower Upper
164 100
162 99.9 81.6 122.4
160 46.5 34.9 52.3

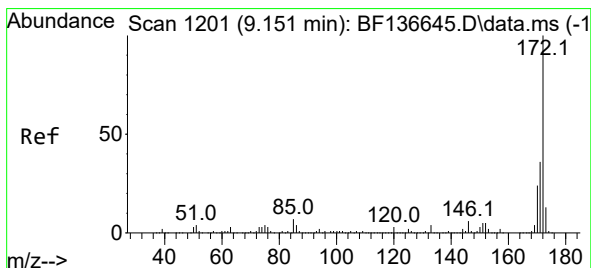
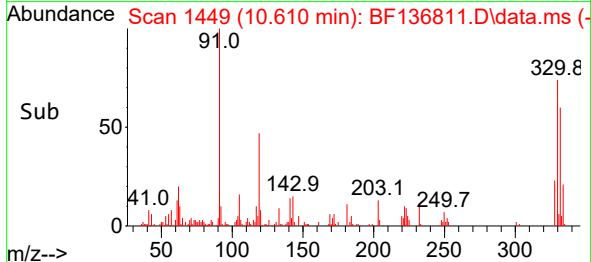
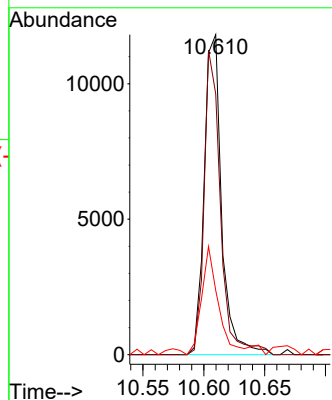
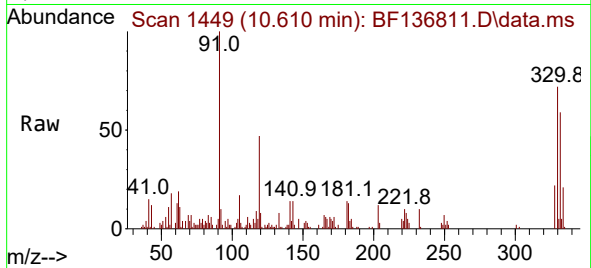




#42
2,4,6-Tribromophenol
Concen: 11.876 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

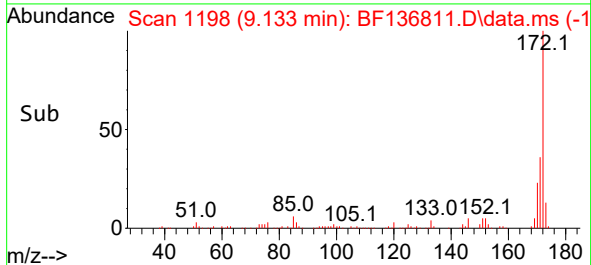
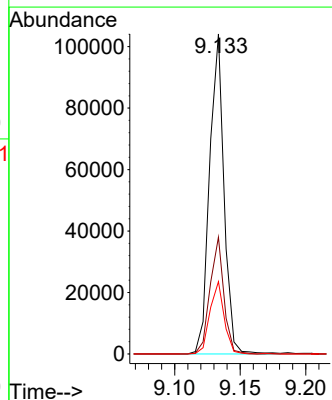
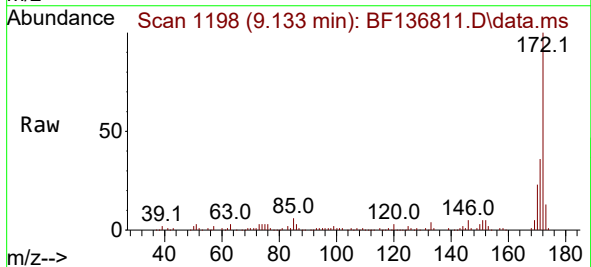
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

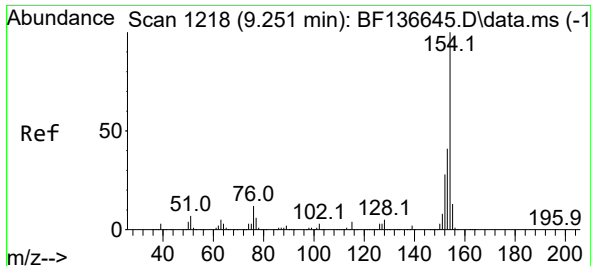
Tgt Ion: 330 Resp: 11775
Ion Ratio Lower Upper
330 100
332 89.1 77.4 116.0
141 34.3 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 12.765 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

Tgt Ion: 172 Resp: 79900
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 22.6 19.0 28.4





#46

1,1'-Biphenyl

Concen: 7.803 ng

RT: 9.233 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL

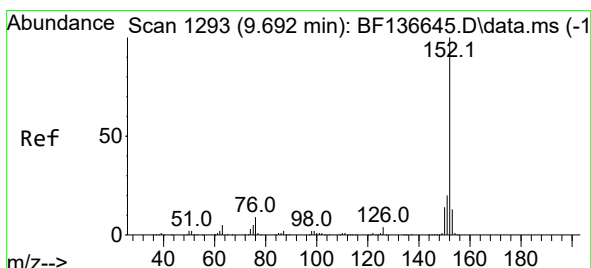
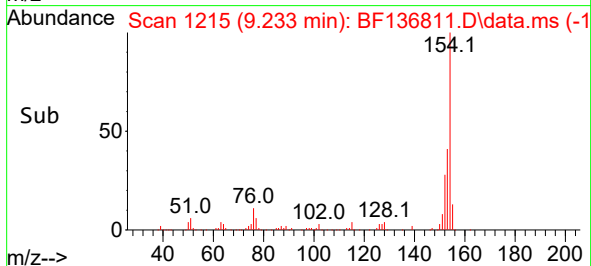
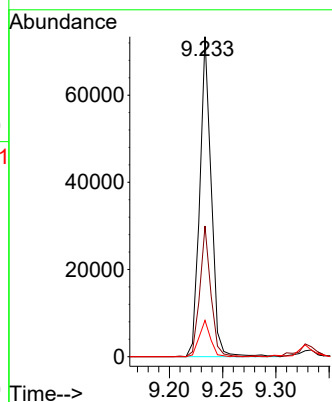
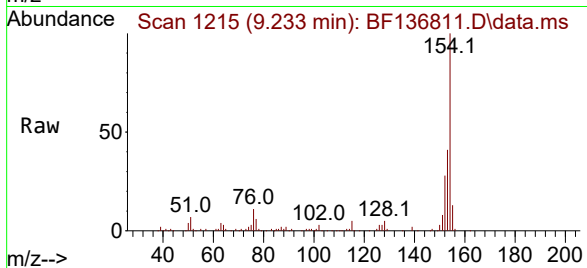
Tgt Ion:154 Resp: 55124

Ion Ratio Lower Upper

154 100

153 40.9 21.1 61.1

76 11.4 0.0 31.7



#49

Acenaphthylene

Concen: 6.850 ng

RT: 9.675 min Scan# 1290

Delta R.T. -0.018 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

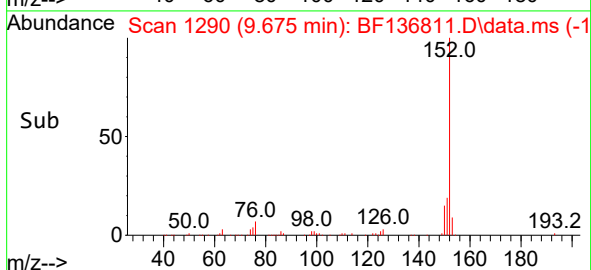
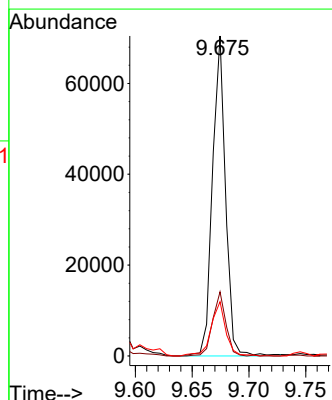
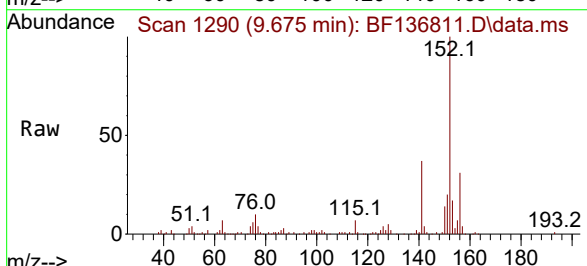
Tgt Ion:152 Resp: 56234

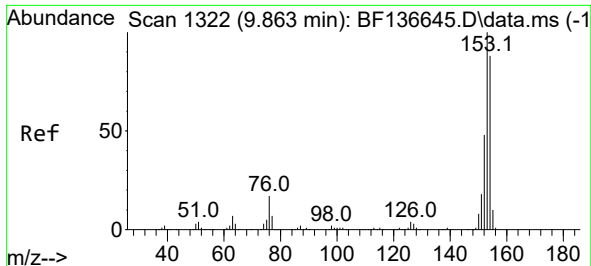
Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

153 16.9 10.2 15.2#

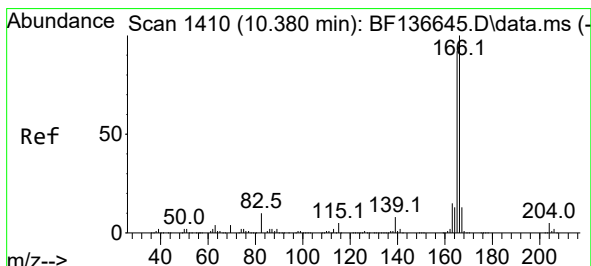
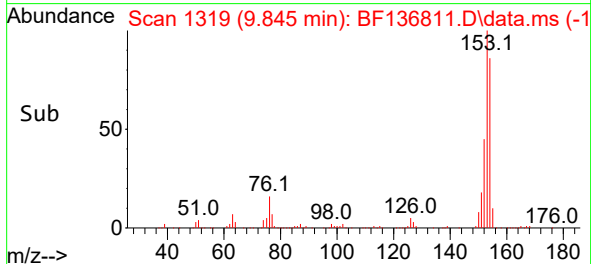
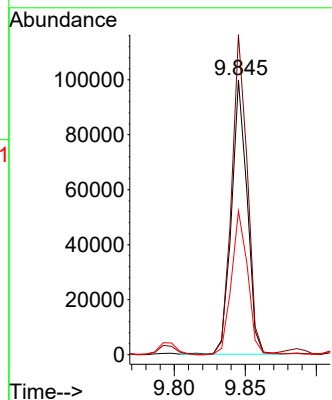
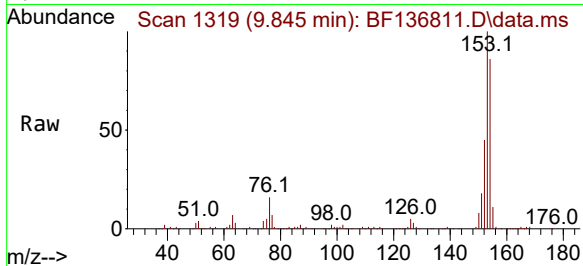




#52
Acenaphthene
Concen: 14.964 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

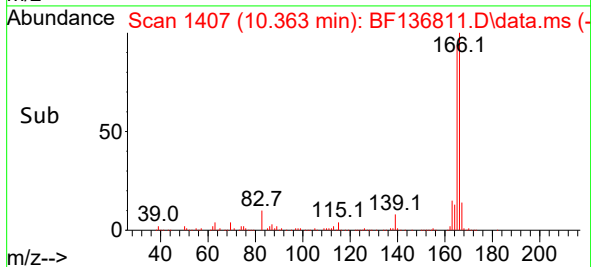
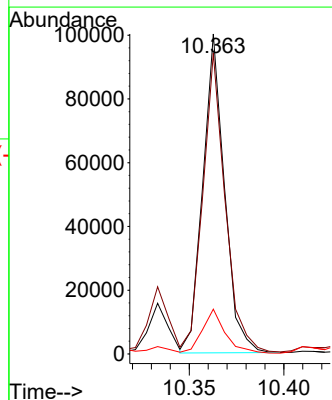
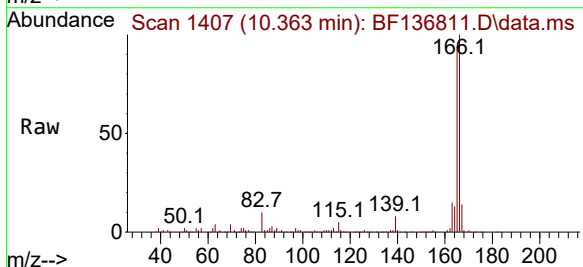
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

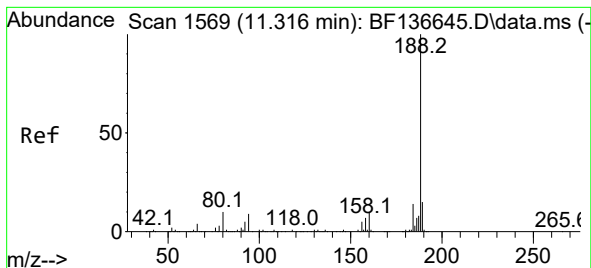
Tgt Ion:154 Resp: 76146
Ion Ratio Lower Upper
154 100
153 116.5 90.7 136.1
152 52.3 43.7 65.5



#58
Fluorene
Concen: 13.013 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

Tgt Ion:166 Resp: 79647
Ion Ratio Lower Upper
166 100
165 94.0 73.7 110.5
167 14.0 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL

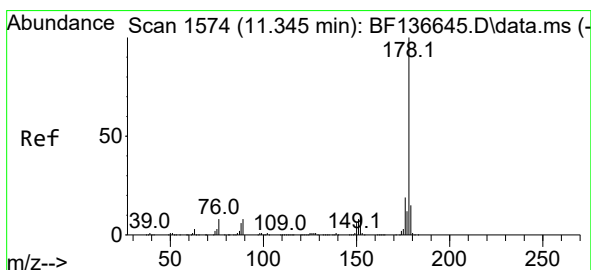
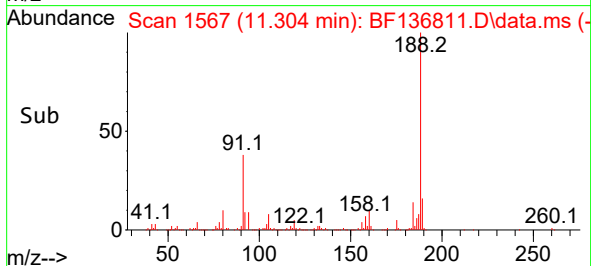
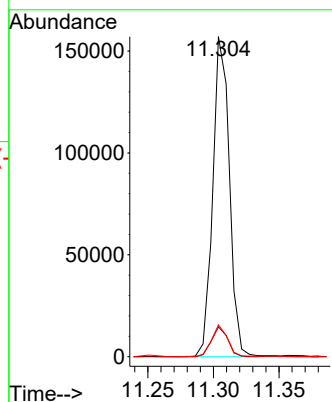
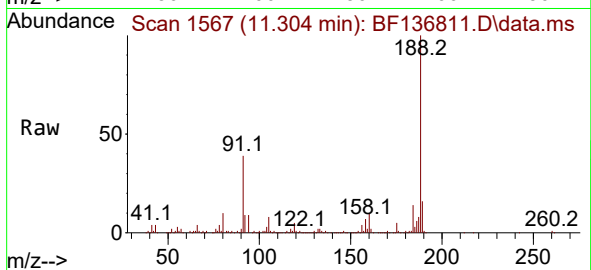
Tgt Ion:188 Resp: 138345

Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 9.9 8.1 12.1



#71

Phenanthrene

Concen: 30.786 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

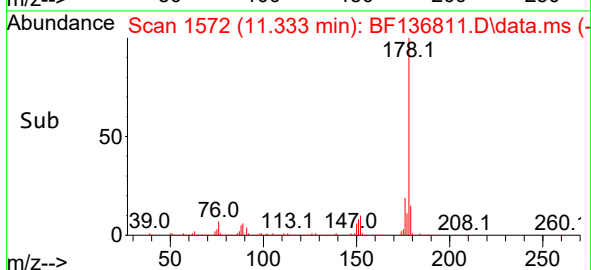
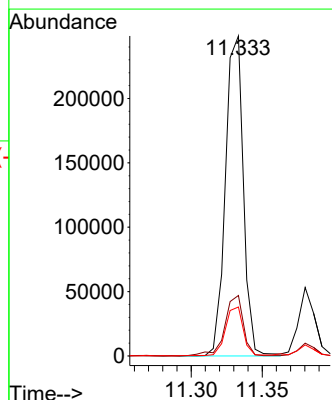
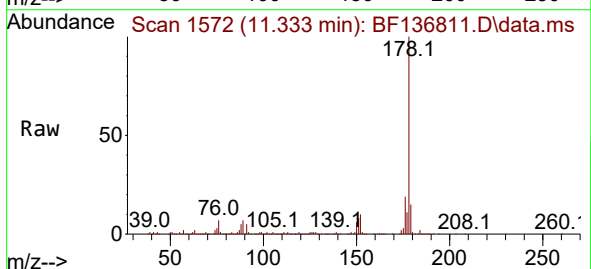
Tgt Ion:178 Resp: 218535

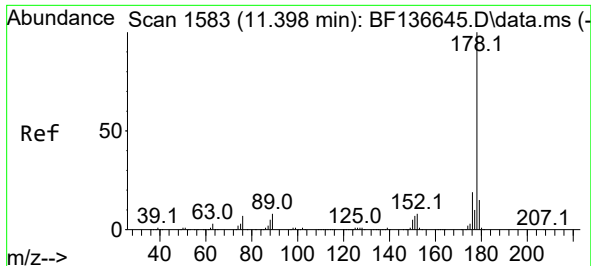
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.3 11.9 17.9

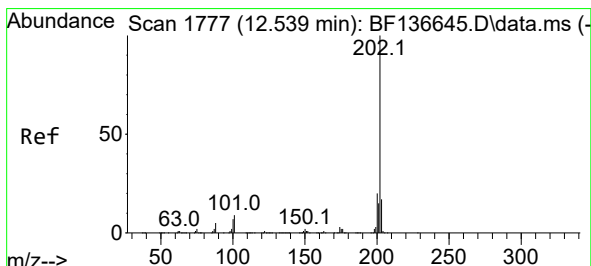
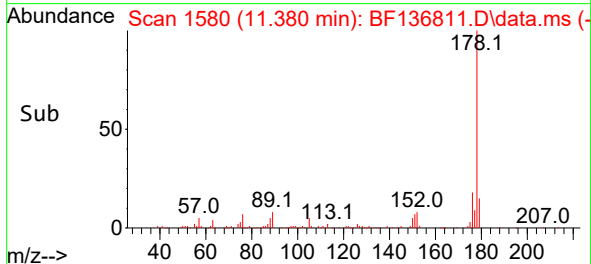
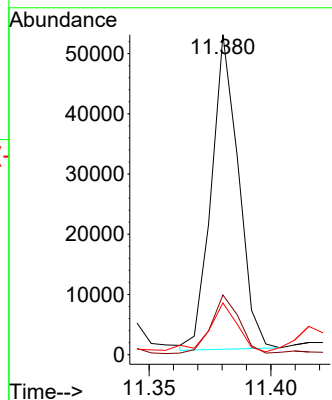
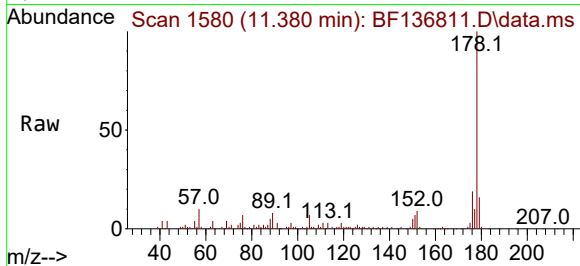




#72
 Anthracene
 Concen: 5.629 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF136811.D
 Acq: 29 Dec 2023 00:25

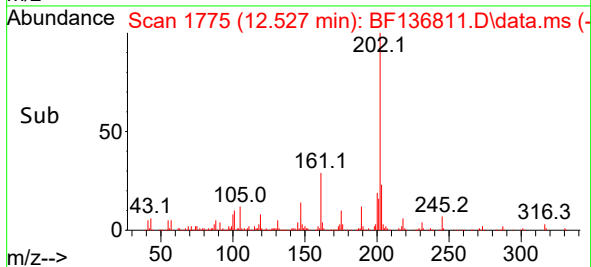
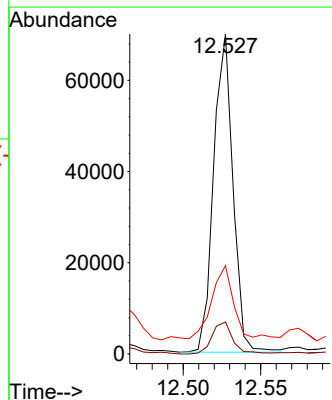
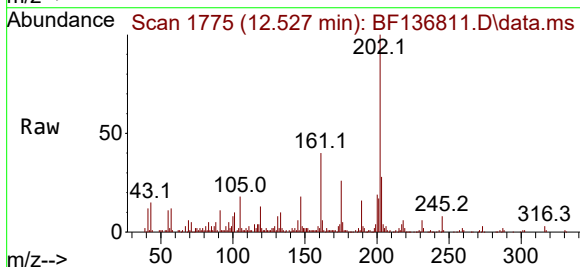
Instrument :
 BNA_F
 ClientSampleId :
 WC-LIQUIDS-20231213-01DL

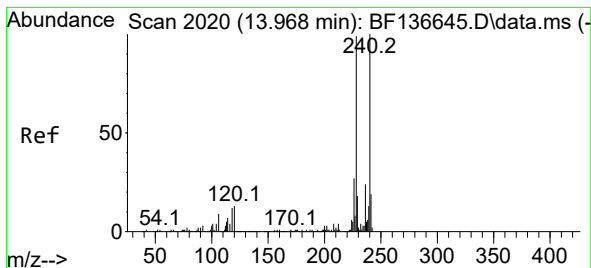
Tgt Ion:178 Resp: 40465
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 16.2 11.8 17.6



#75
 Fluoranthene
 Concen: 7.970 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136811.D
 Acq: 29 Dec 2023 00:25

Tgt Ion:202 Resp: 60519
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 29.3
 203 27.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL

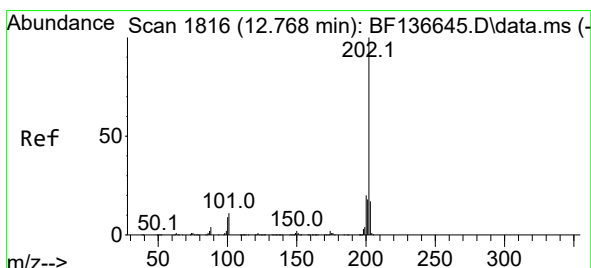
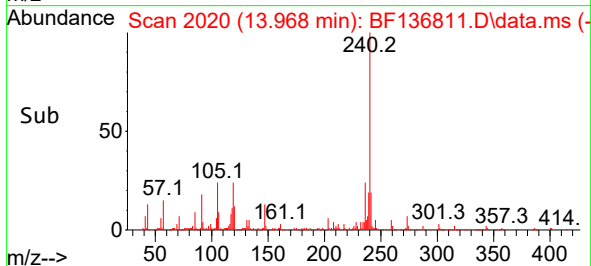
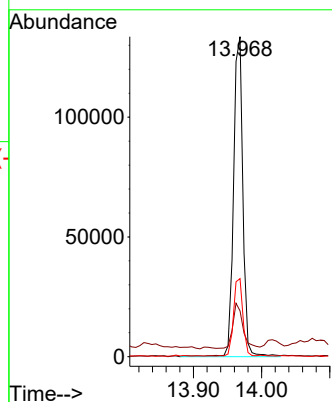
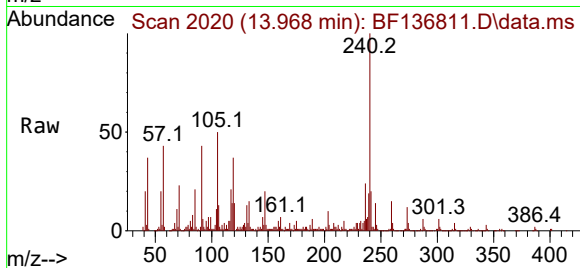
Tgt Ion:240 Resp: 127594

Ion Ratio Lower Upper

240 100

120 14.3 10.3 15.5

236 24.4 19.4 29.2



#78

Pyrene

Concen: 7.747 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

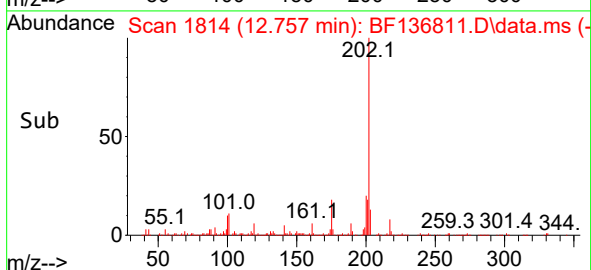
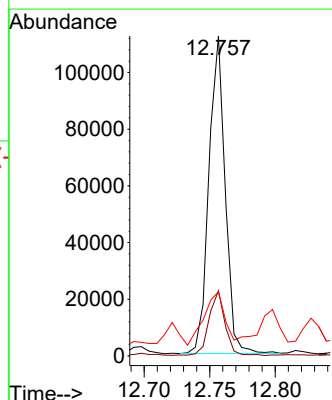
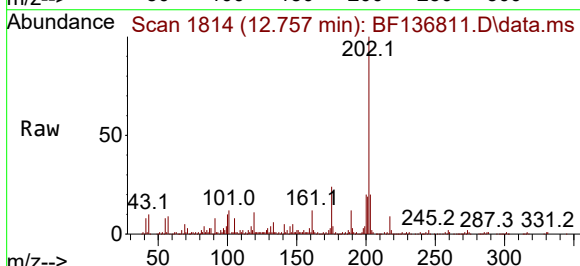
Tgt Ion:202 Resp: 97031

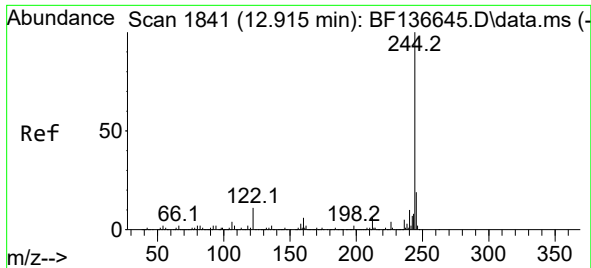
Ion Ratio Lower Upper

202 100

200 20.4 15.9 23.9

203 20.1 13.8 20.6

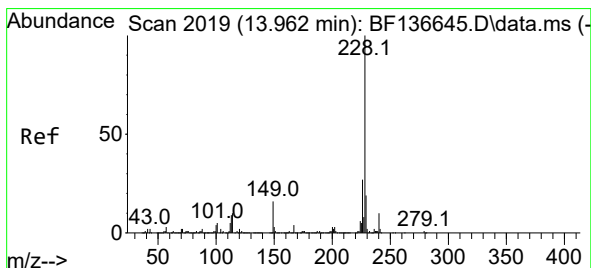
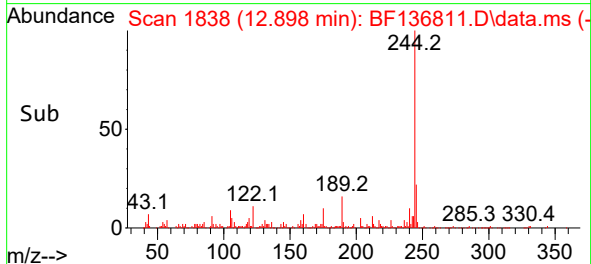
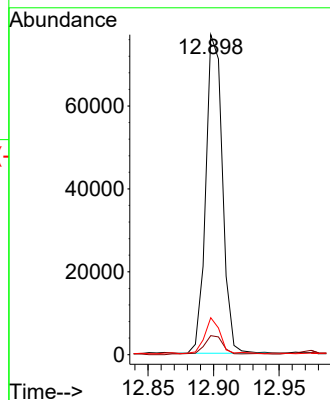
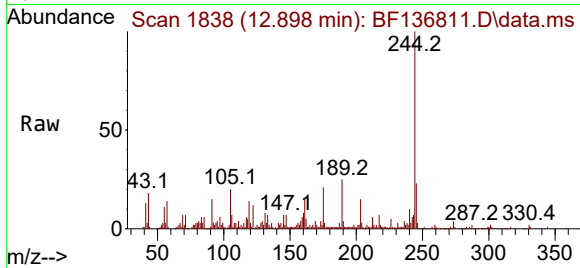




#79
Terphenyl-d14
Concen: 7.461 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.018 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

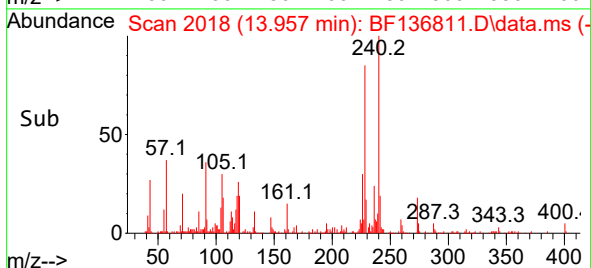
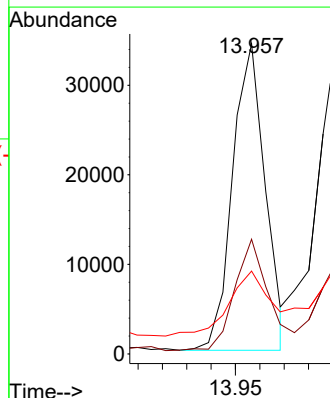
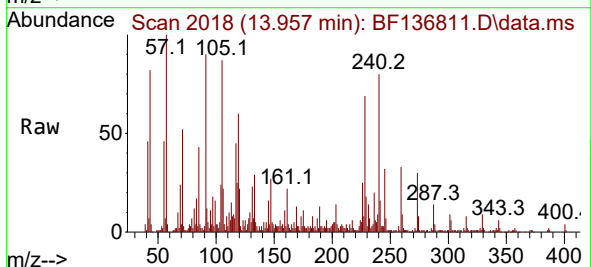
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

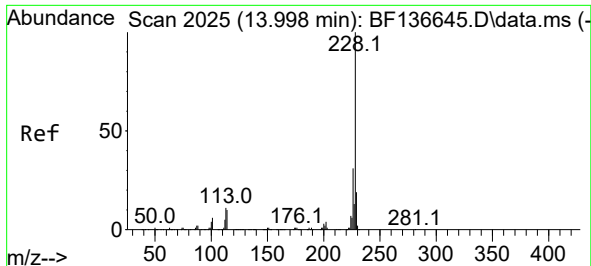
Tgt Ion:244 Resp: 68119
Ion Ratio Lower Upper
244 100
212 6.0 5.0 7.4
122 11.6 9.0 13.4



#81
Benzo(a)anthracene
Concen: 3.607 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

Tgt Ion:228 Resp: 31958
Ion Ratio Lower Upper
228 100
226 37.0 21.4 32.0#
229 26.7 14.9 22.3#

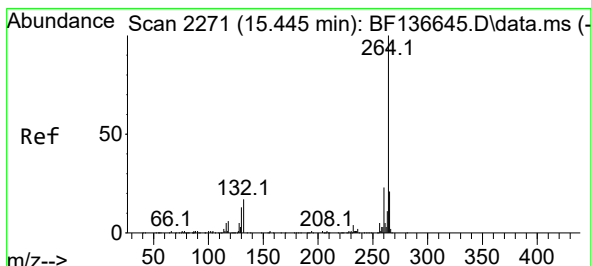
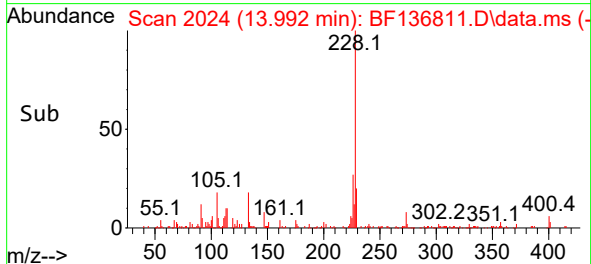
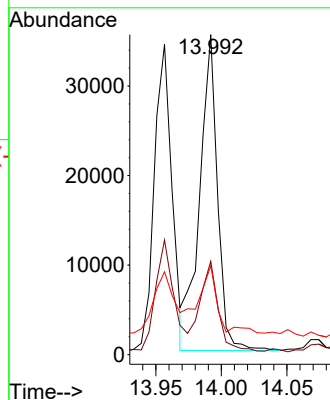
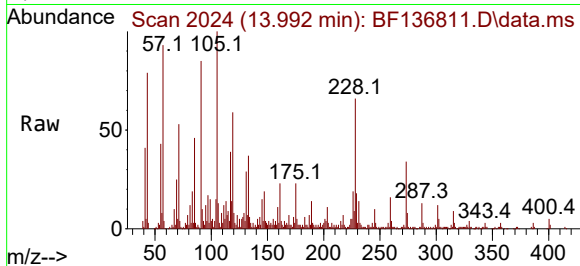




#83
Chrysene
Concen: 3.886 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

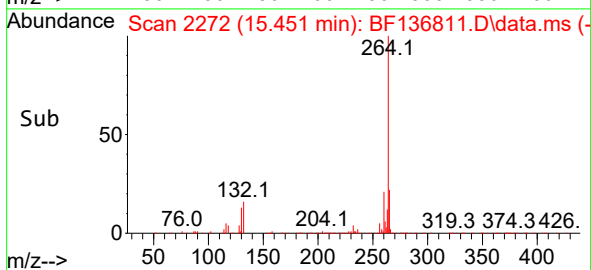
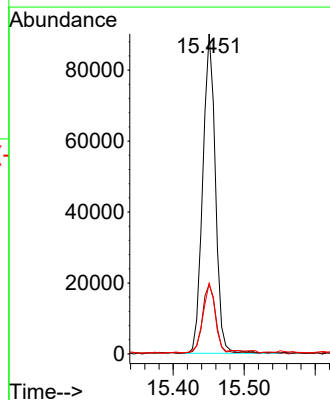
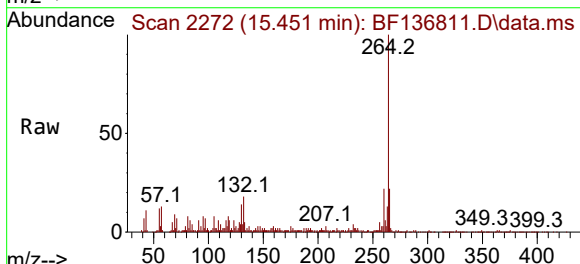
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

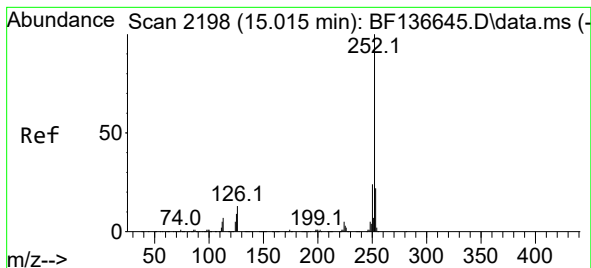
Tgt Ion:228 Resp: 33673
Ion Ratio Lower Upper
228 100
226 29.2 24.7 37.1
229 27.8 15.4 23.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

Tgt Ion:264 Resp: 112073
Ion Ratio Lower Upper
264 100
260 21.7 18.3 27.5
265 22.1 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.315 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL

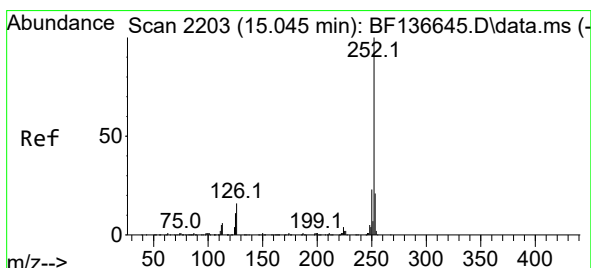
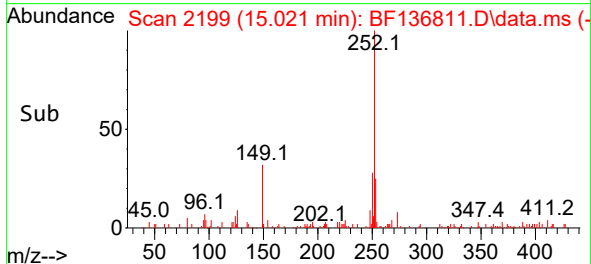
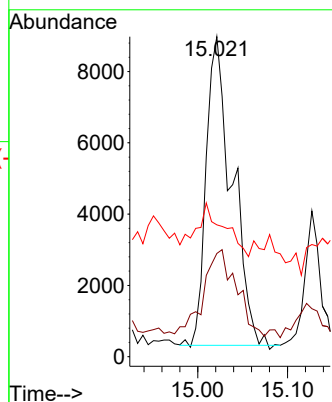
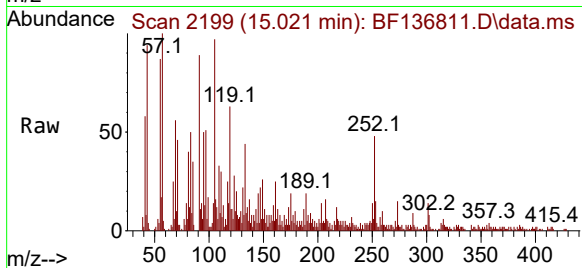
Tgt Ion:252 Resp: 17327

Ion Ratio Lower Upper

252 100

253 32.2 17.4 26.0#

125 41.2 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 2.449 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

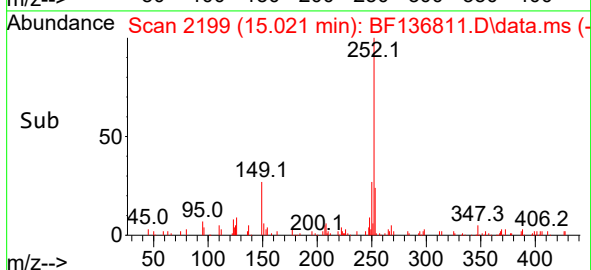
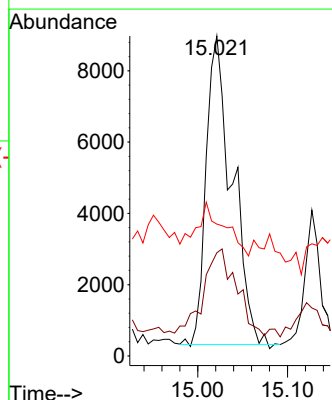
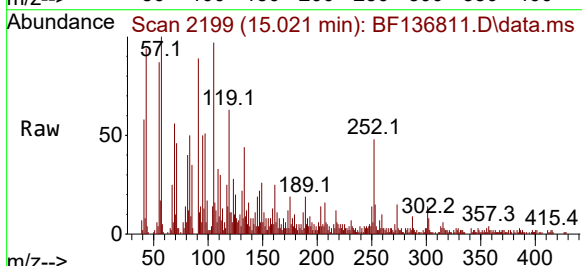
Tgt Ion:252 Resp: 17324

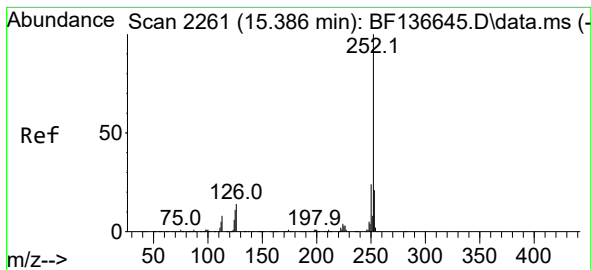
Ion Ratio Lower Upper

252 100

253 32.2 17.0 25.6#

125 41.2 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 2.346 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136811.D

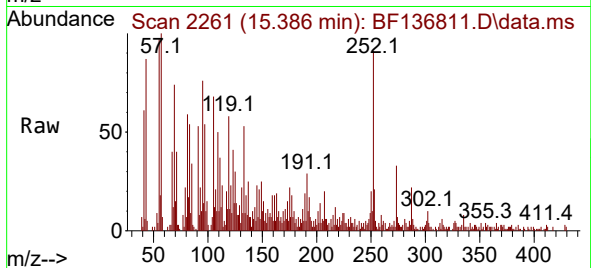
Acq: 29 Dec 2023 00:25

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL



Tgt Ion:252 Resp: 14823

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

125 32.8 8.8 13.2#

