

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)

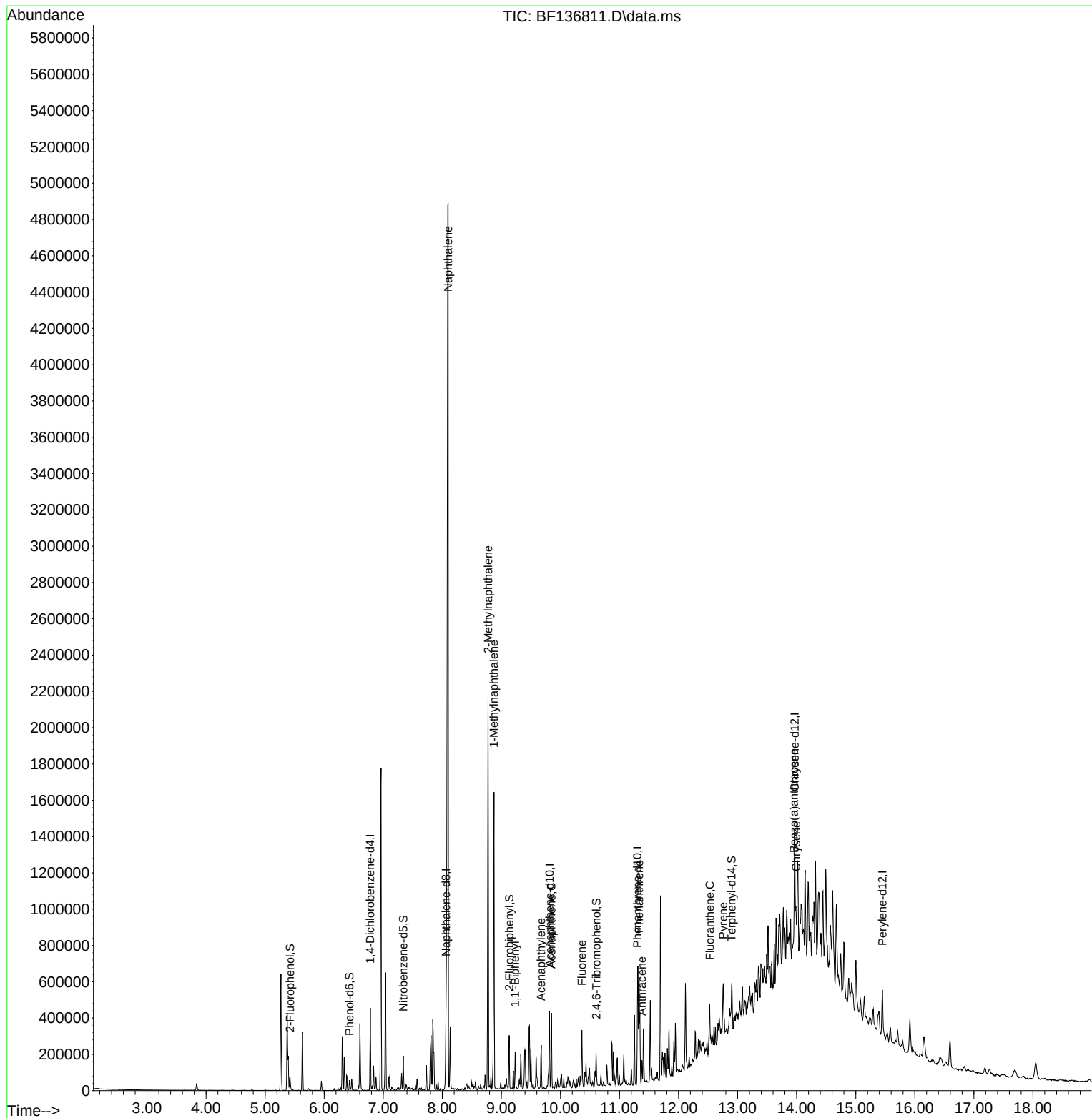
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	61134	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	209375	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	84187	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	138345	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	127594	20.000	ng	0.00
86) Perylene-d12	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
31) Naphthalene	8.098	128	3071793	267.054	ng	99
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

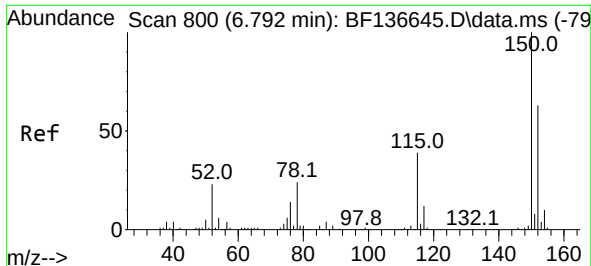
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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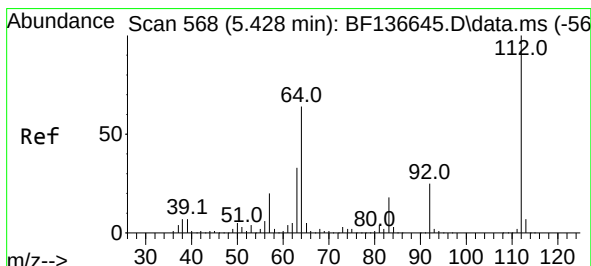
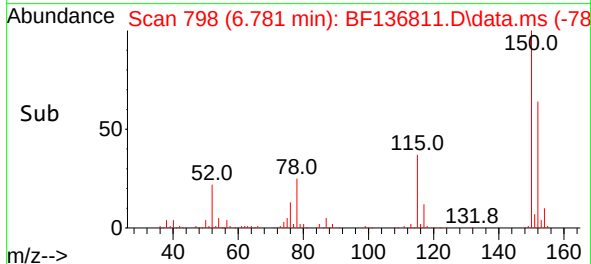
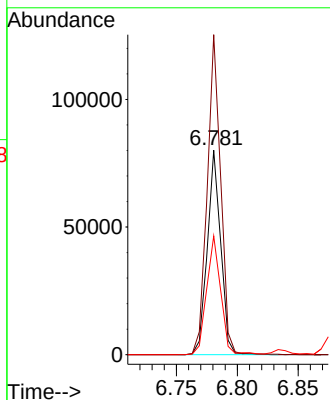
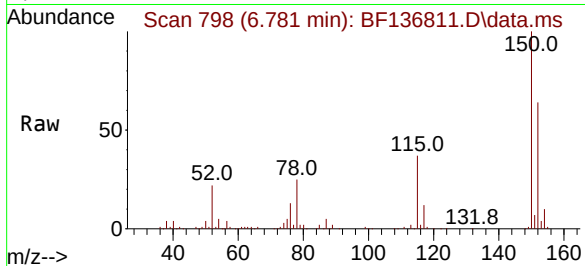




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

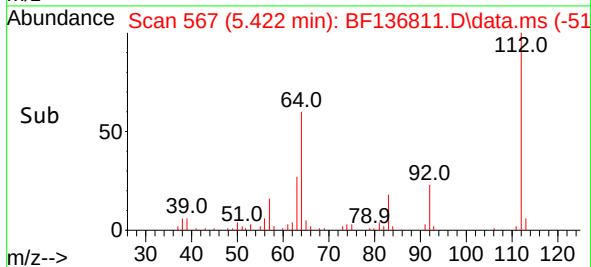
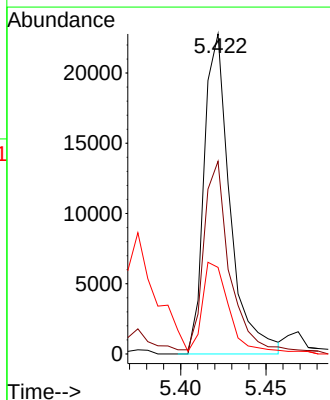
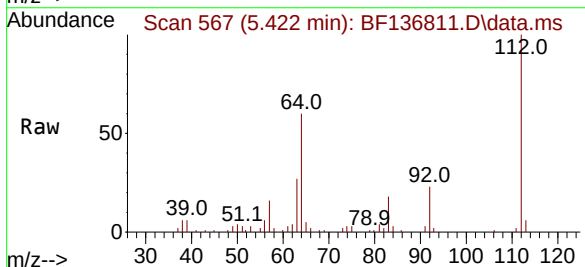
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

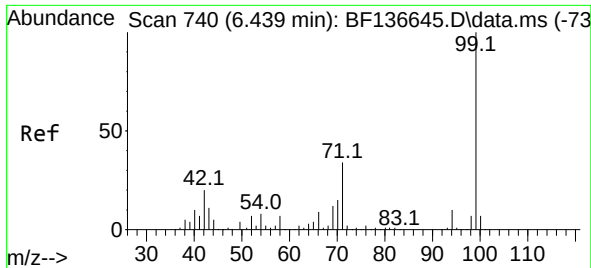
Tgt Ion:152 Resp: 61134
Ion Ratio Lower Upper
152 100
150 156.5 127.0 190.6
115 58.1 49.0 73.4



#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

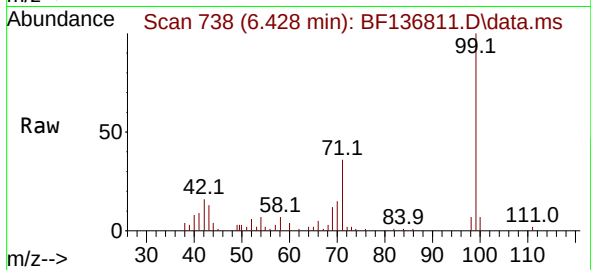
Tgt Ion:112 Resp: 24068
Ion Ratio Lower Upper
112 100
64 60.2 51.1 76.7
63 27.1 26.1 39.1



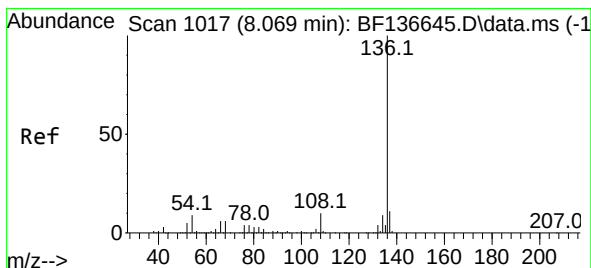
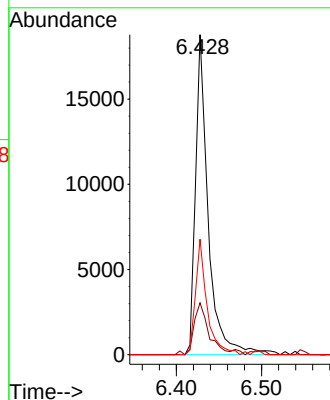
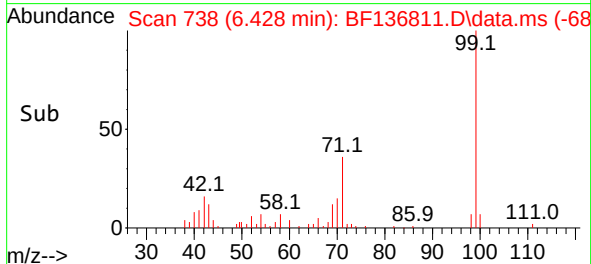


#7
Phenol-d6
Concen: 3.819 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

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

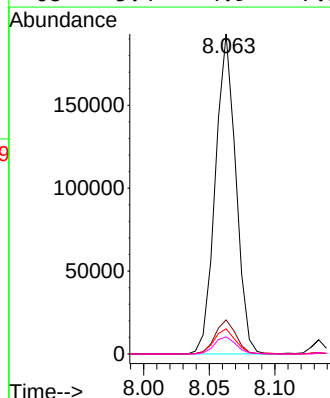
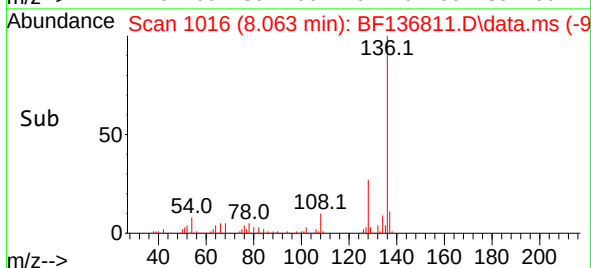
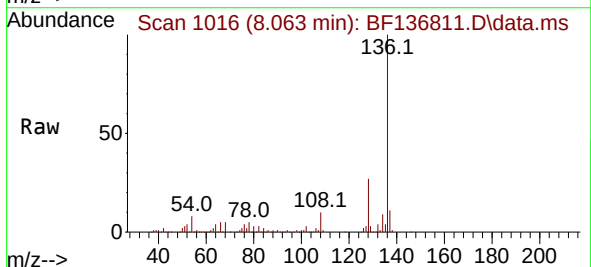


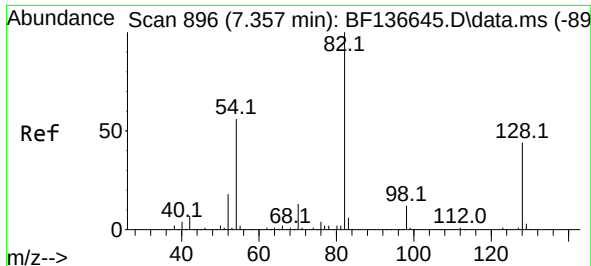
Tgt Ion: 99 Resp: 19389
Ion Ratio Lower Upper
99 100
42 16.2 16.1 24.1
71 36.1 27.4 41.2



#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

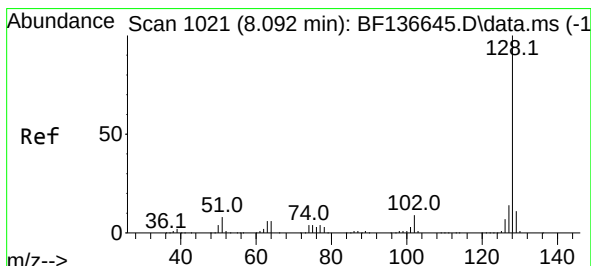
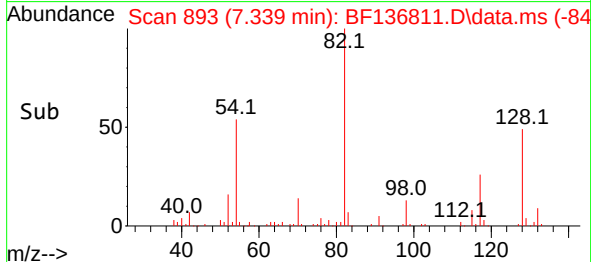
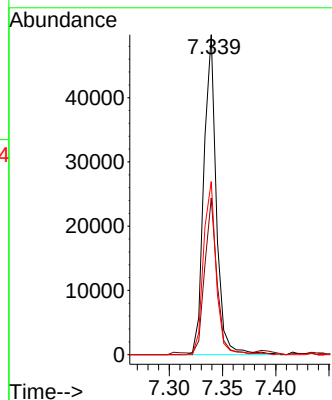
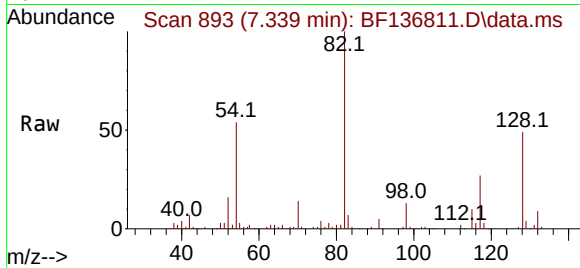




#23
Nitrobenzene-d5
Concen: 9.981 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

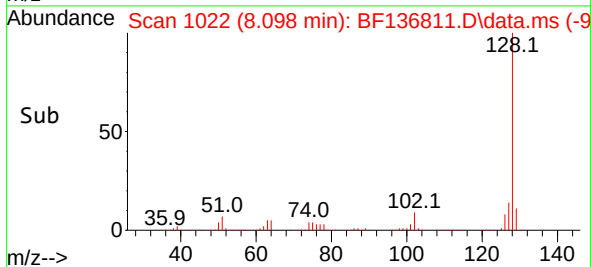
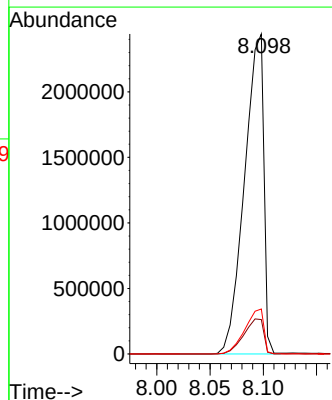
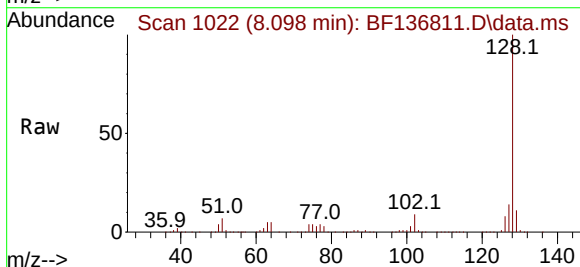
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

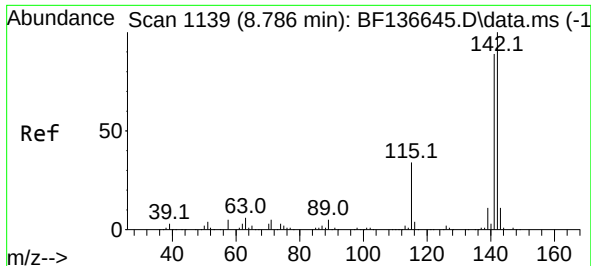
Tgt Ion: 82 Resp: 40837
Ion Ratio Lower Upper
82 100
128 49.0 35.3 52.9
54 54.1 44.5 66.7



#31
Naphthalene
Concen: 267.054 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

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





#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

Instrument :

BNA_F

ClientSampleId :

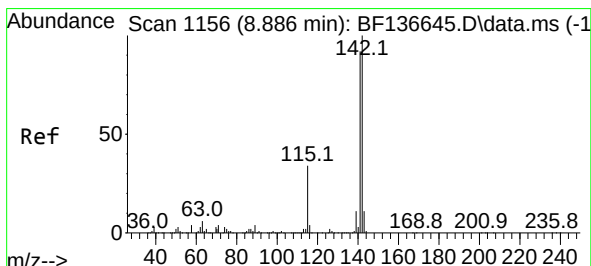
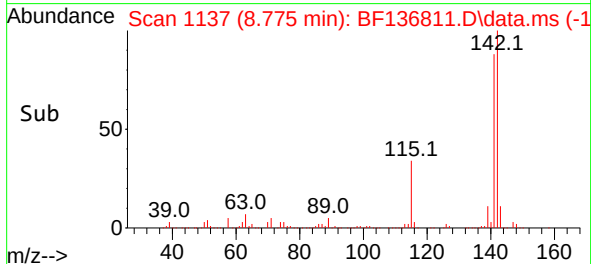
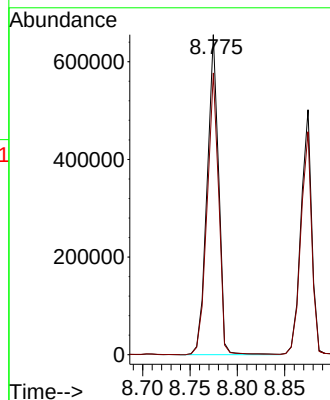
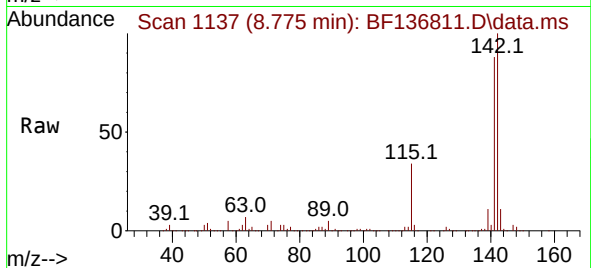
WC-LIQUIDS-20231213-01DL

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# 1154

Delta R.T. -0.012 min

Lab File: BF136811.D

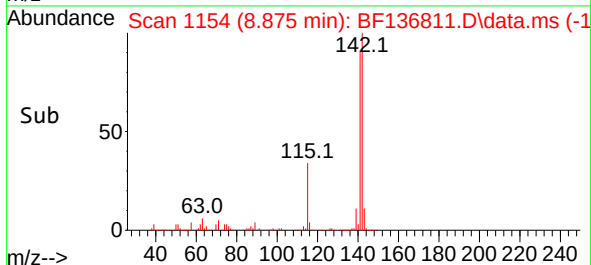
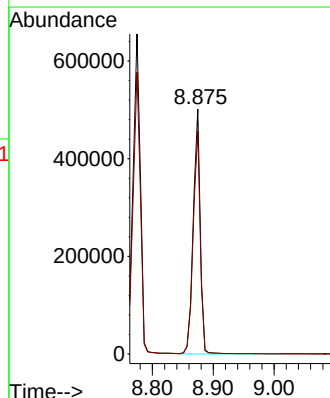
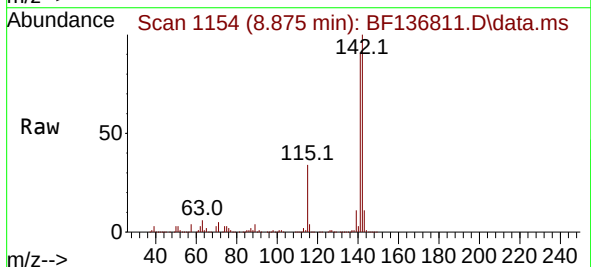
Acq: 29 Dec 2023 00:25

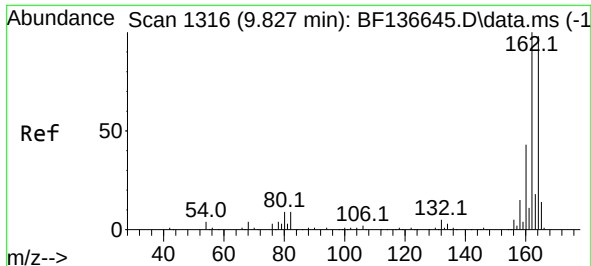
Tgt Ion:142 Resp: 399566

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# 11

Delta R.T. -0.012 min

Lab File: BF136811.D

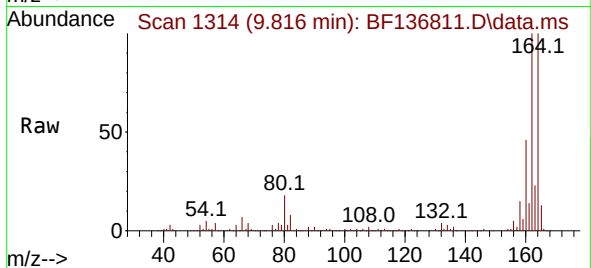
Acq: 29 Dec 2023 00:25

Instrument :

BNA_F

ClientSampleId :

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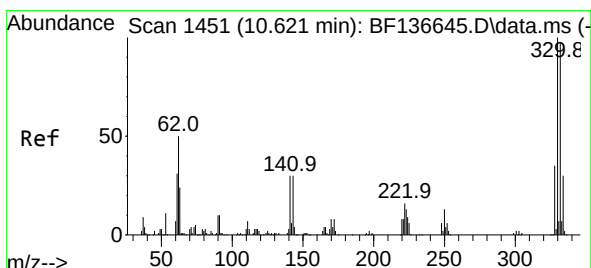
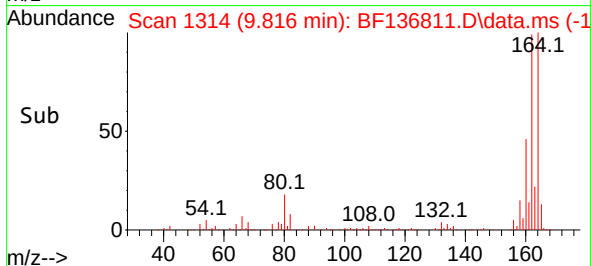
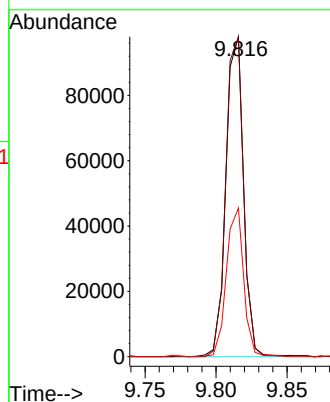
Tgt Ion:164 Resp: 84187

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# 1449

Delta R.T. -0.012 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

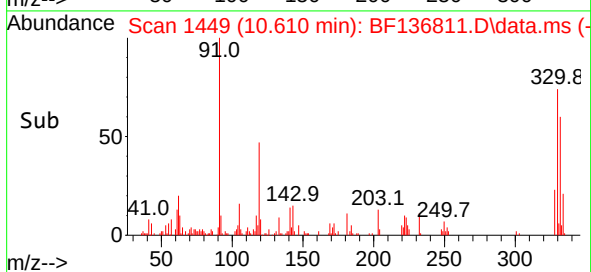
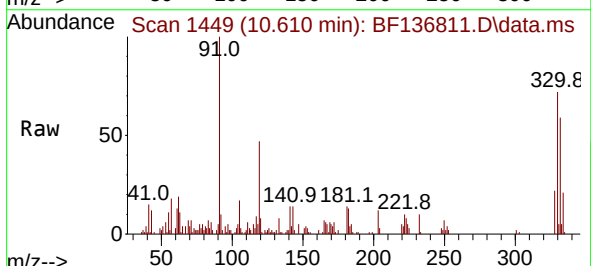
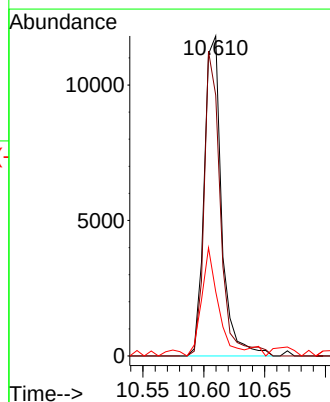
Tgt Ion:330 Resp: 11775

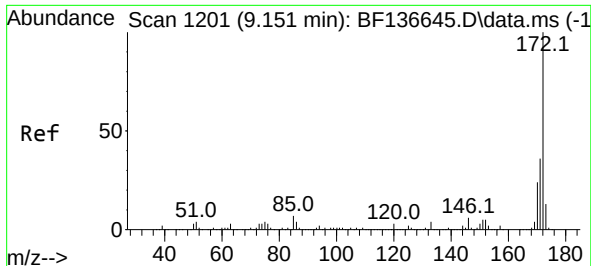
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL

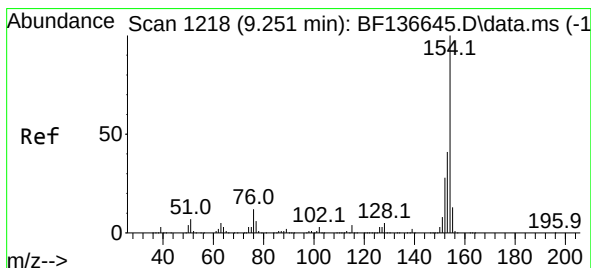
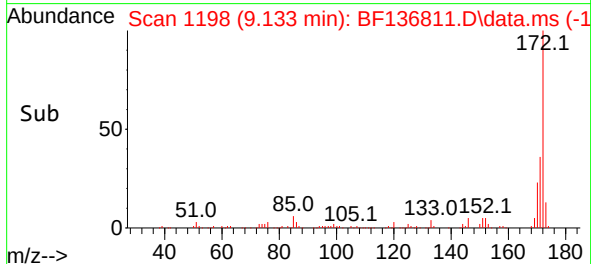
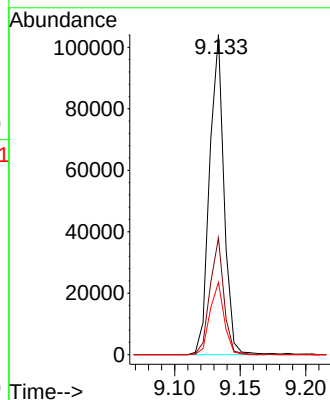
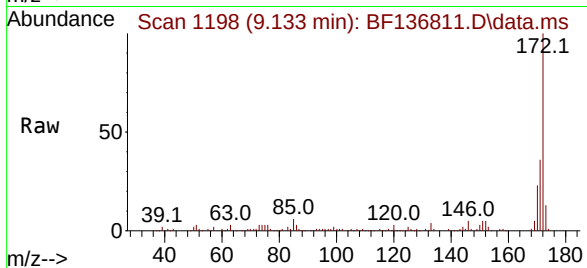
Tgt Ion:172 Resp: 79900

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# 1215

Delta R.T. -0.018 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

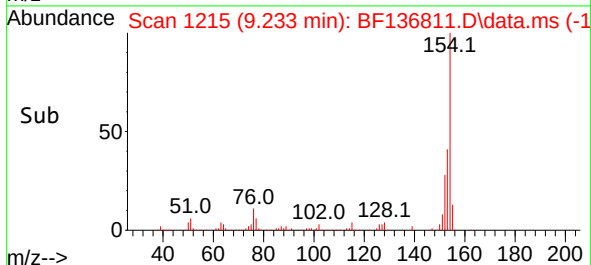
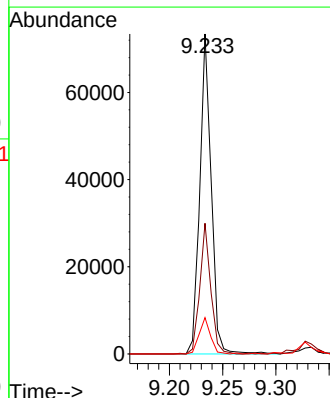
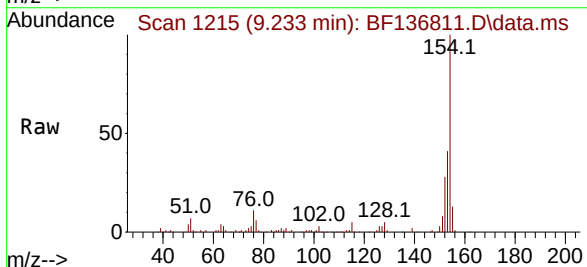
Tgt Ion:154 Resp: 55124

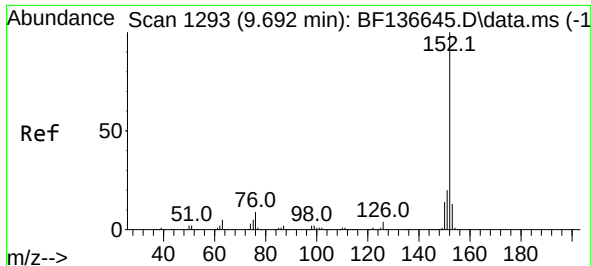
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.018 min

Lab File: BF136811.D

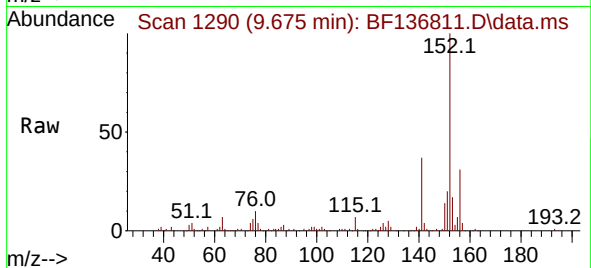
Acq: 29 Dec 2023 00:25

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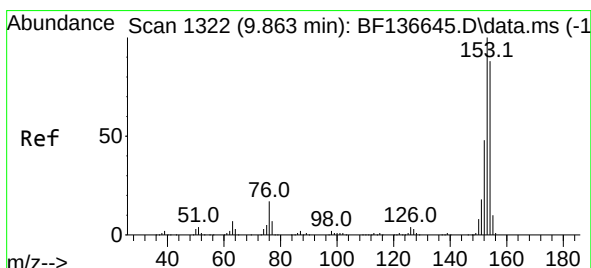
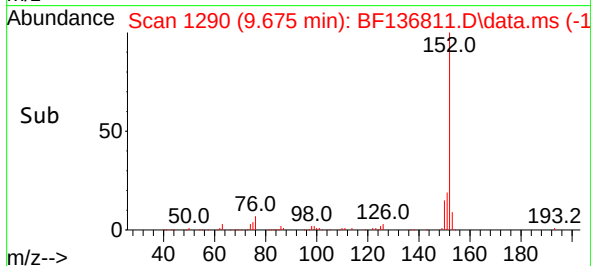
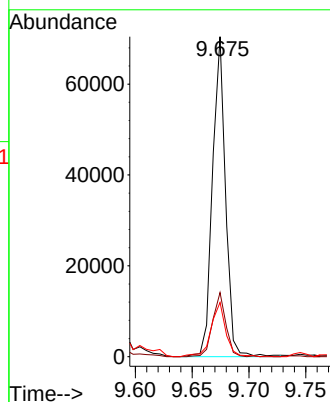
Tgt Ion:152 Resp: 56234

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# 1319

Delta R.T. -0.018 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

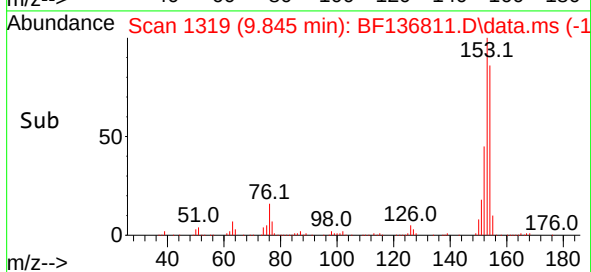
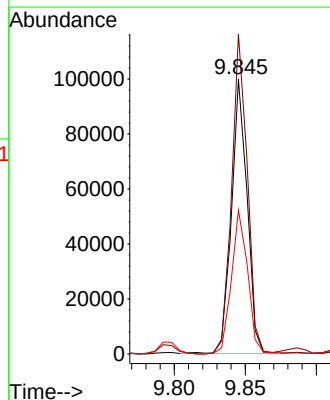
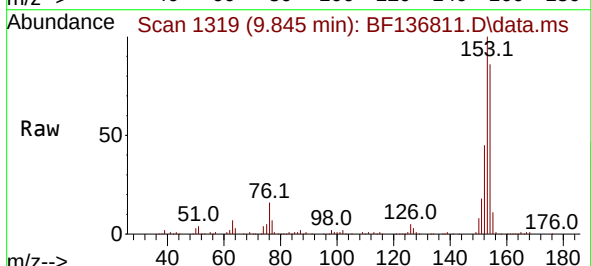
Tgt Ion:154 Resp: 76146

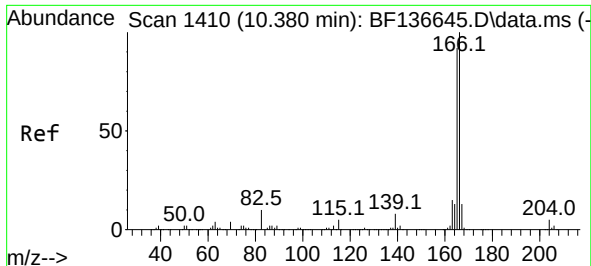
Ion Ratio Lower Upper

154 100

153 116.5 90.7 136.1

152 52.3 43.7 65.5

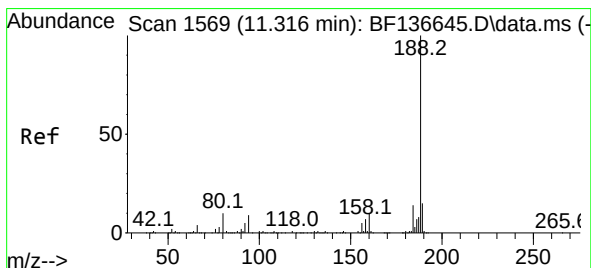
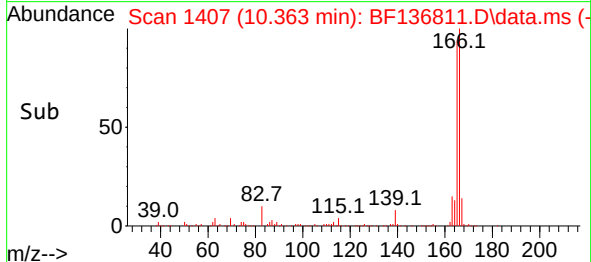
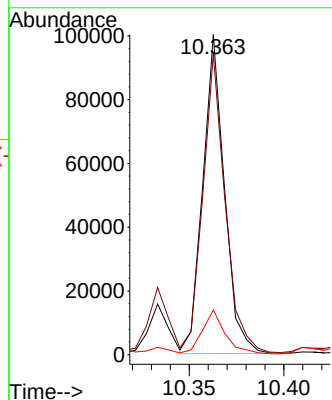
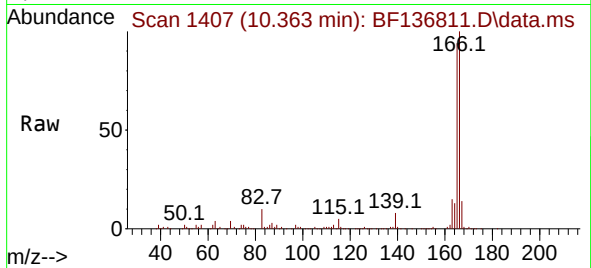




#58
Fluorene
Concen: 13.013 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

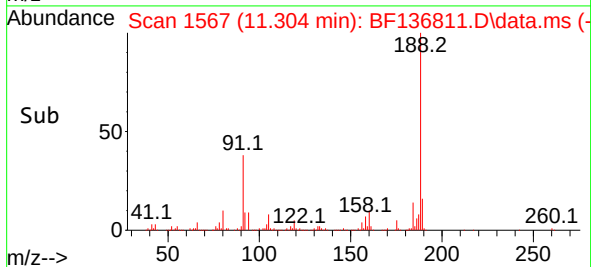
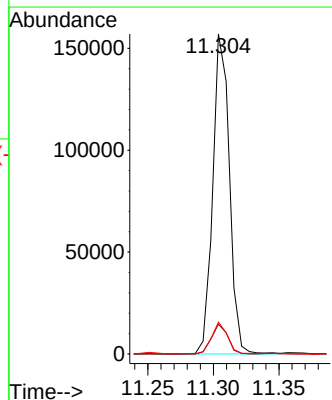
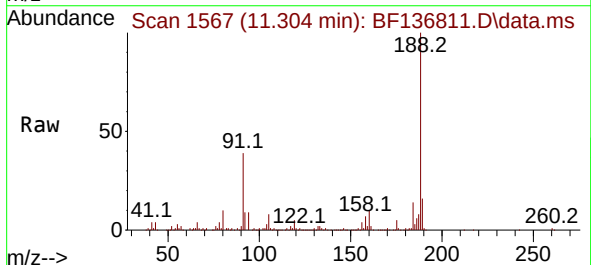
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL

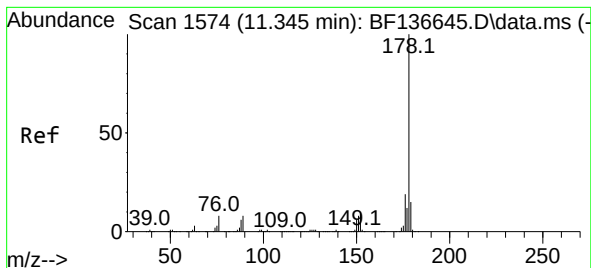
Tgt Ion:166 Resp: 79647
Ion Ratio Lower Upper
166 100
165 94.0 73.7 110.5
167 14.0 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136811.D
Acq: 29 Dec 2023 00:25

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# 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

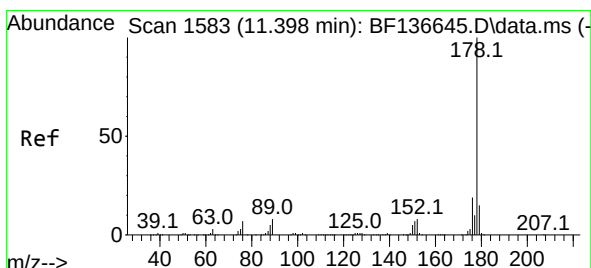
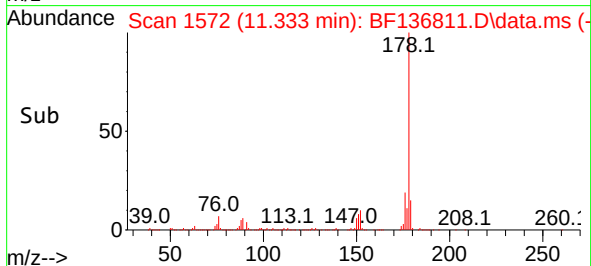
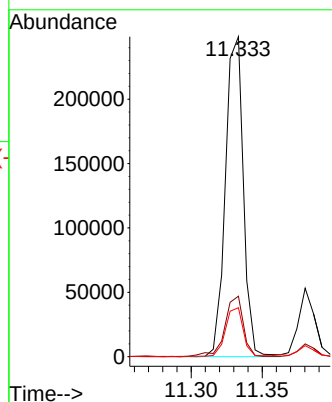
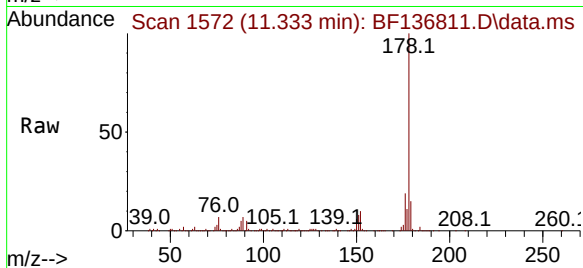
Tgt Ion:178 Resp: 218535

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# 1580

Delta R.T. -0.018 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

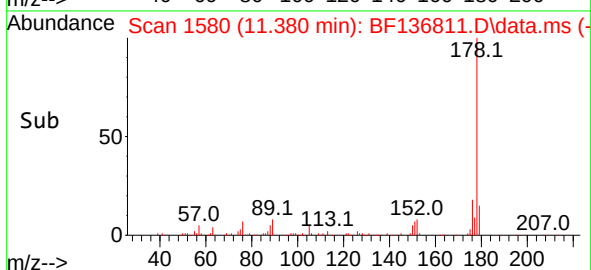
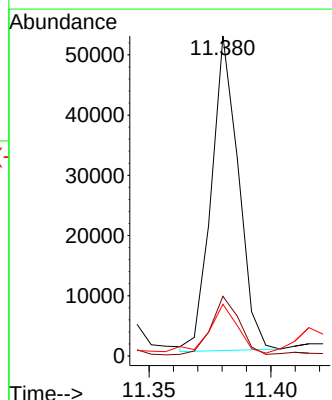
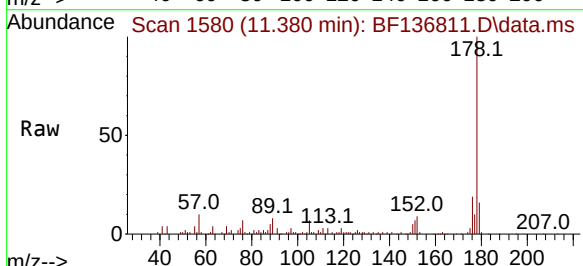
Tgt Ion:178 Resp: 40465

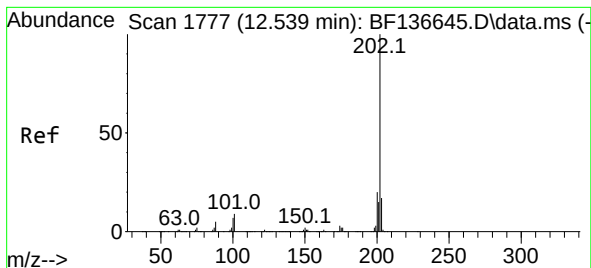
Ion Ratio Lower Upper

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# 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

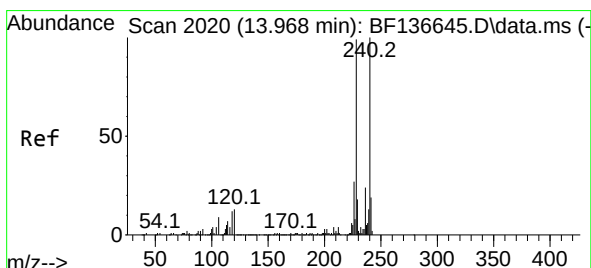
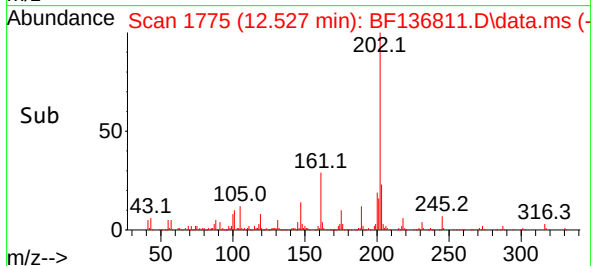
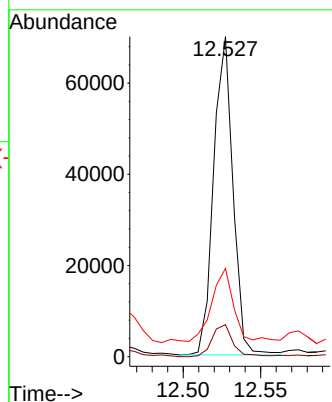
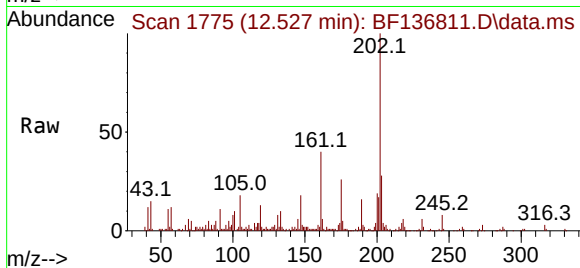
Tgt Ion:202 Resp: 60519

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# 2020

Delta R.T. 0.000 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

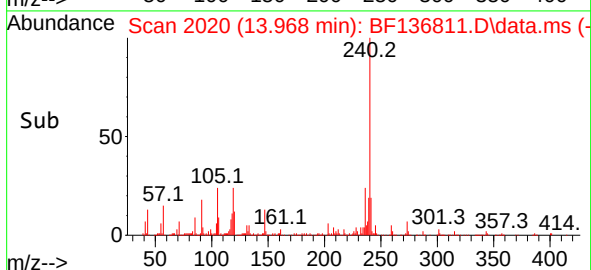
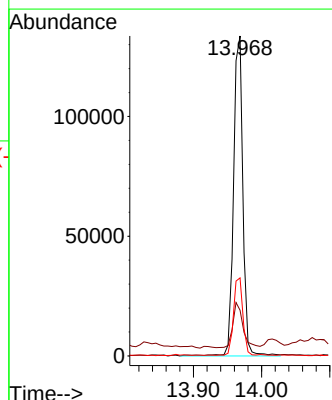
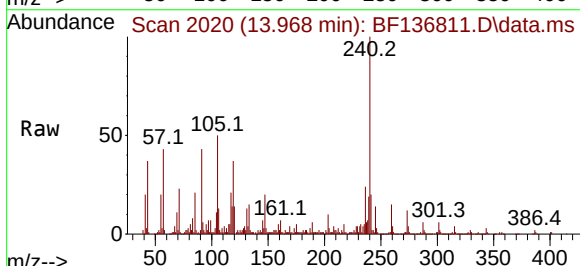
Tgt Ion:240 Resp: 127594

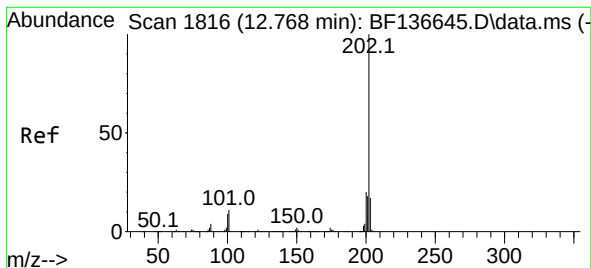
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL

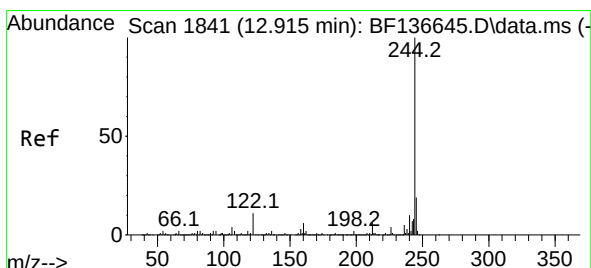
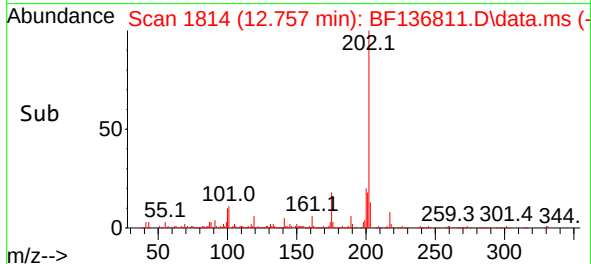
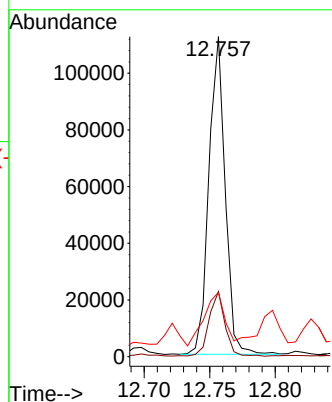
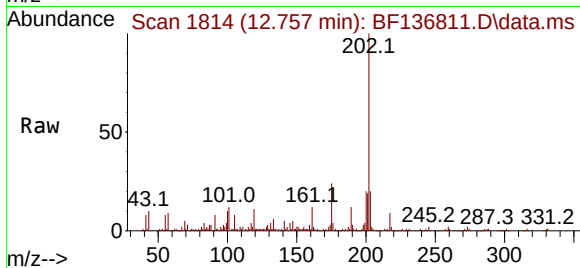
Tgt Ion:202 Resp: 97031

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

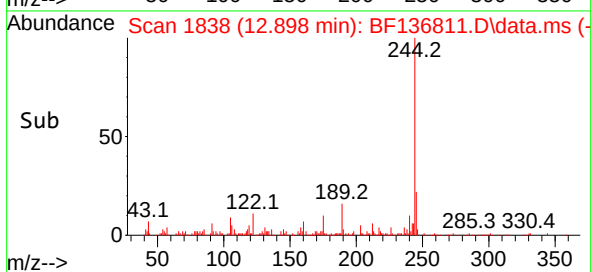
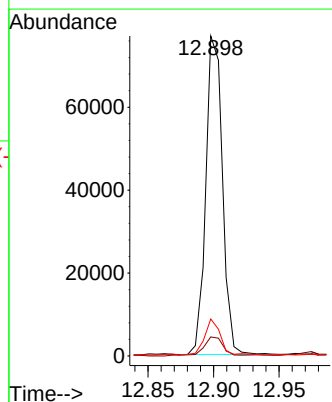
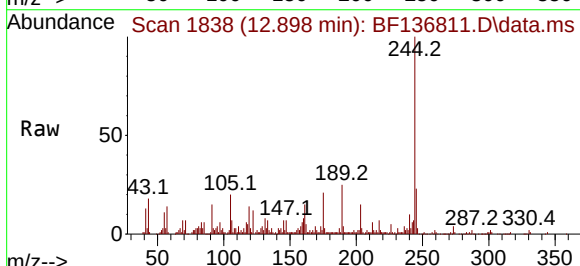
Tgt Ion:244 Resp: 68119

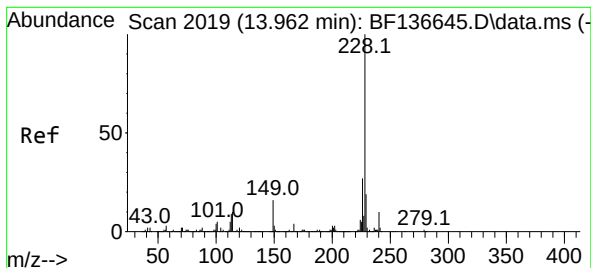
Ion Ratio Lower Upper

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# 2019

Delta R.T. -0.006 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL

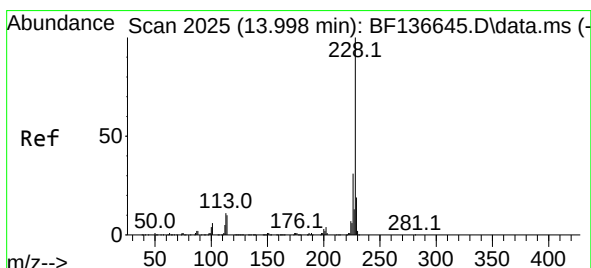
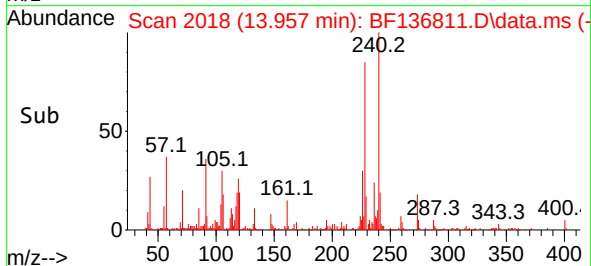
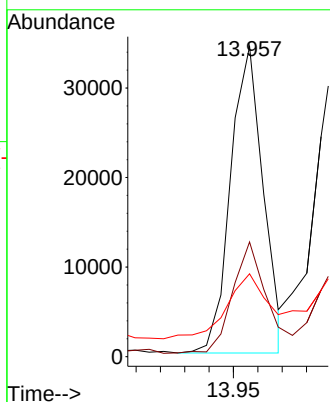
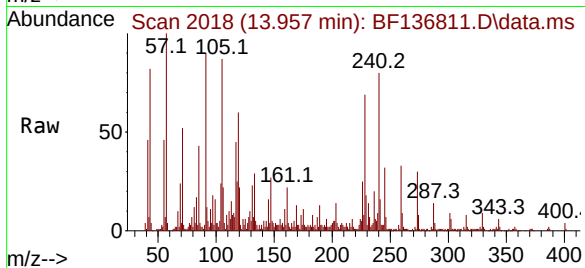
Tgt Ion:228 Resp: 31958

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# 2024

Delta R.T. -0.006 min

Lab File: BF136811.D

Acq: 29 Dec 2023 00:25

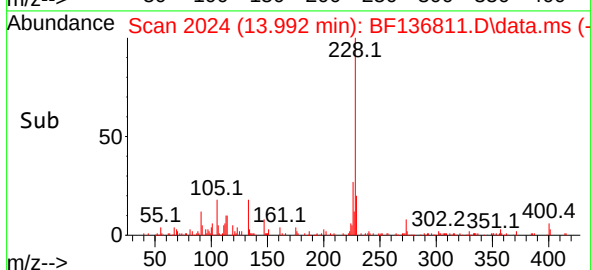
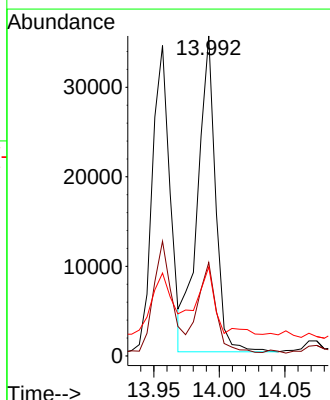
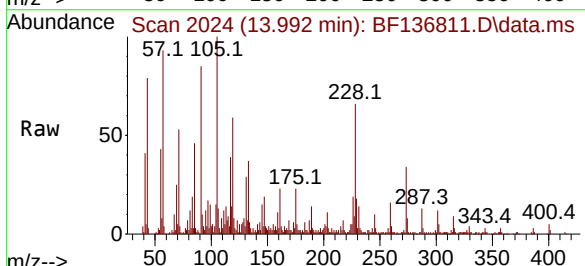
Tgt Ion:228 Resp: 33673

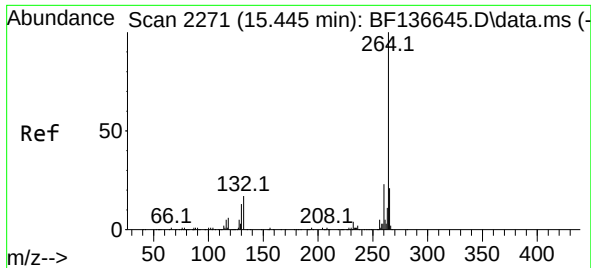
Ion Ratio Lower Upper

228 100

226 29.2 24.7 37.1

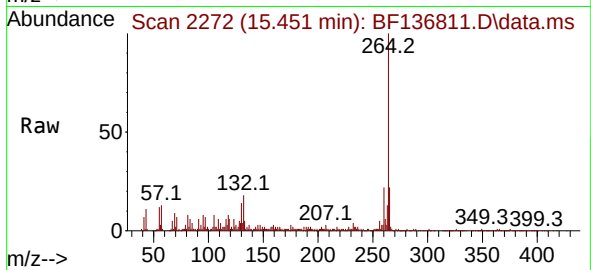
229 27.8 15.4 23.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 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:264 Resp: 112073

Ion	Ratio	Lower	Upper
264	100		
260	21.7	18.3	27.5
265	22.1	17.0	25.6

