

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122923\
 Data File : BF136830.D
 Acq On : 29 Dec 2023 15:40
 Operator : CG\JU
 Sample : 05899-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-02

Quant Time: Dec 29 15:59:47 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)

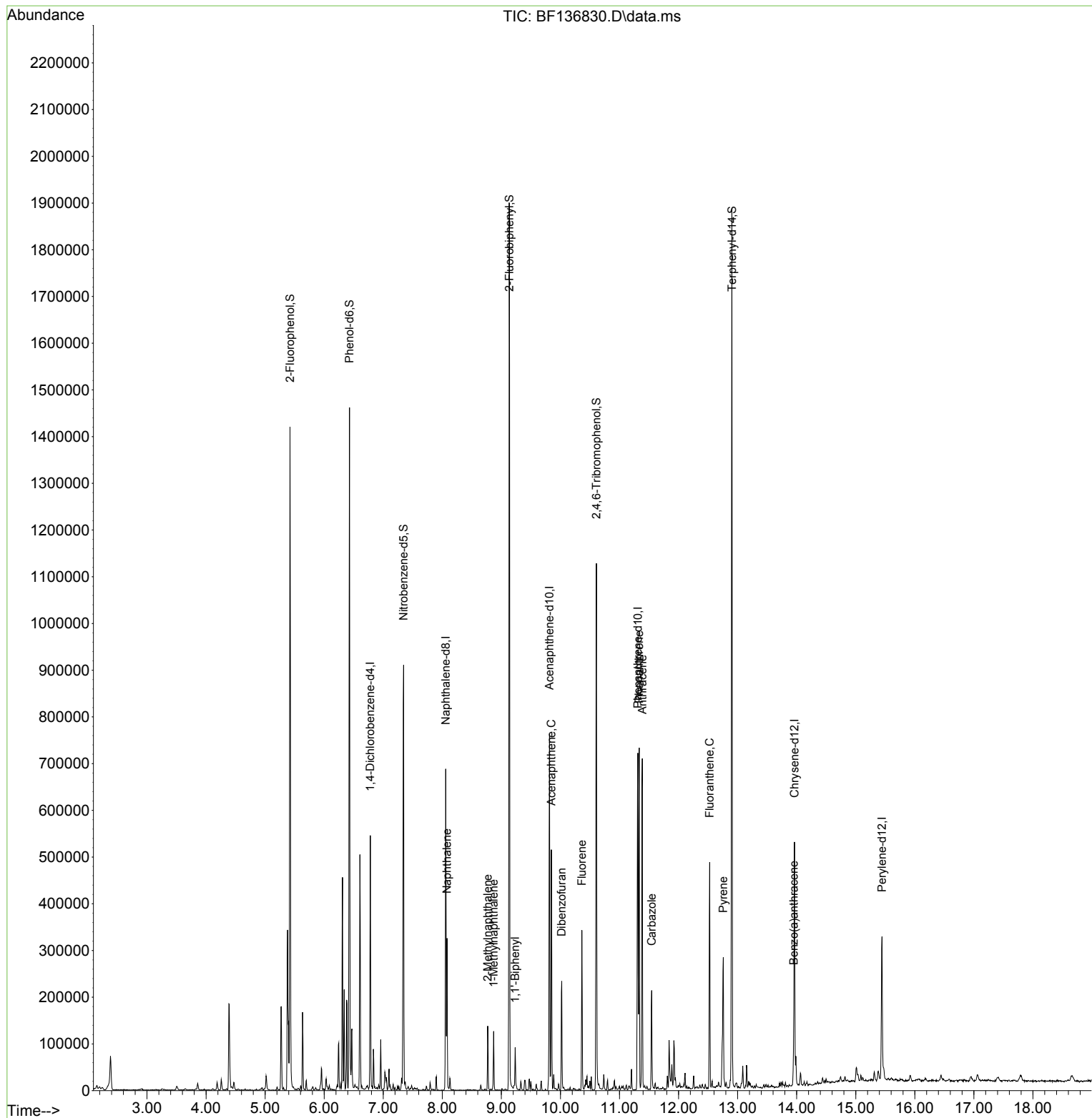
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	72492	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	273010	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	143984	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	277618	20.000	ng	0.00
76) Chrysene-d12	13.963	240	159999	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	140838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	366708	78.929	ng	0.00
7) Phenol-d6	6.428	99	461591	76.674	ng	-0.01
23) Nitrobenzene-d5	7.345	82	289204	54.206	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	137108	80.855	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	611000	57.075	ng	-0.02
79) Terphenyl-d14	12.904	244	633476	55.329	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.081	128	138485	9.233	ng	99
37) 2-Methylnaphthalene	8.769	142	34418	3.566	ng	96
38) 1-Methylnaphthalene	8.869	142	28929	3.055	ng	95
46) 1,1'-Biphenyl	9.233	154	25015	2.070	ng	95
52) Acenaphthene	9.845	154	106609	12.250	ng	94
55) Dibenzofuran	10.022	168	98701	7.482	ng	97
58) Fluorene	10.363	166	90096	8.607	ng	98
71) Phenanthrene	11.333	178	257784	18.097	ng	99
72) Anthracene	11.386	178	277374	19.227	ng	99
73) Carbazole	11.545	167	91991	6.763	ng	99
75) Fluoranthene	12.527	202	187363	12.297	ng	100
78) Pyrene	12.757	202	125620	7.998	ng	99
81) Benzo(a)anthracene	13.951	228	27892	2.510	ng	97

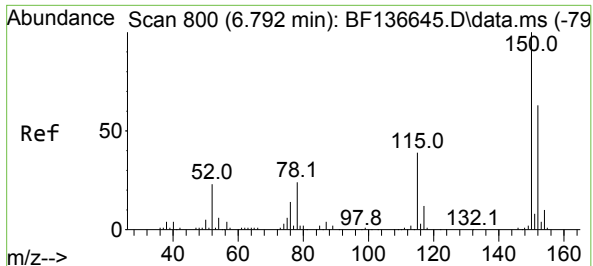
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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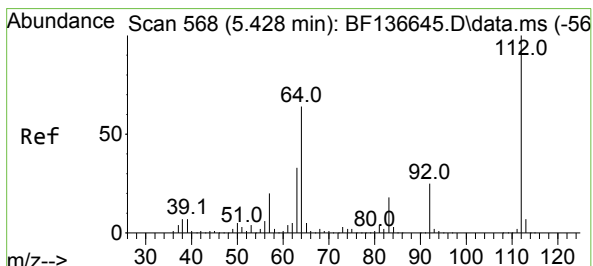
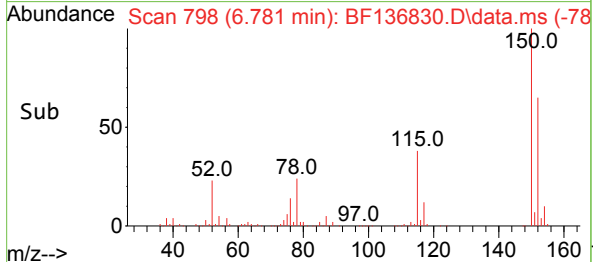
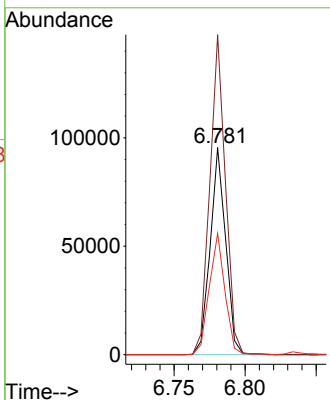
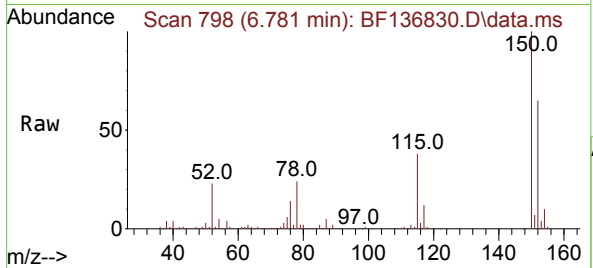




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

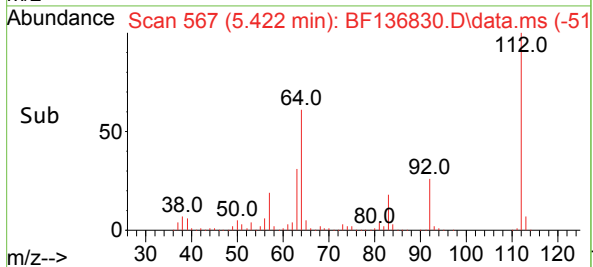
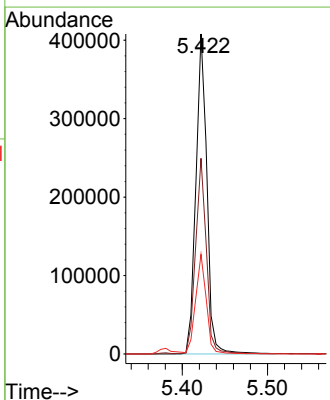
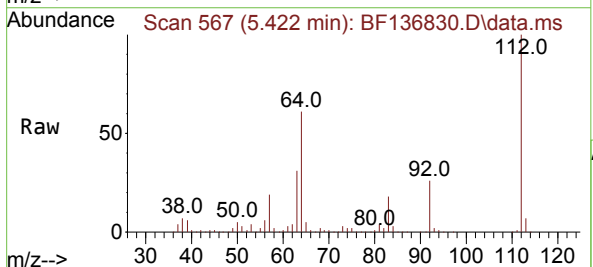
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

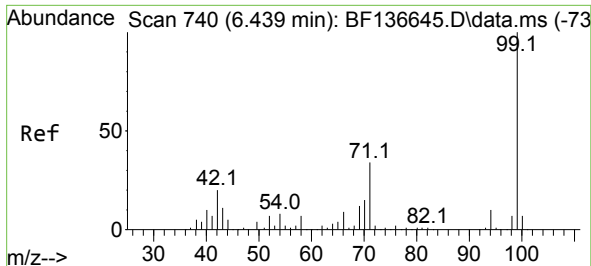
Tgt Ion:152 Resp: 72492
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.6
115 58.5 49.0 73.4



#5
2-Fluorophenol
Concen: 78.929 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:112 Resp: 366708
Ion Ratio Lower Upper
112 100
64 61.1 51.1 76.7
63 31.1 26.1 39.1

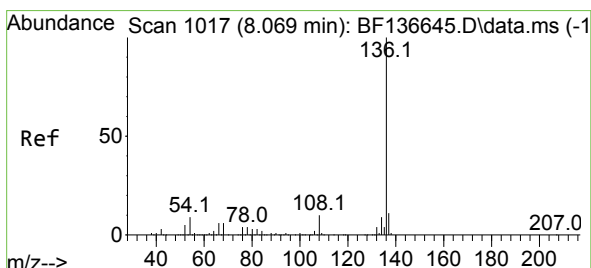
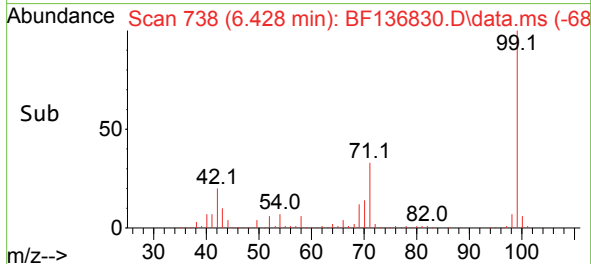
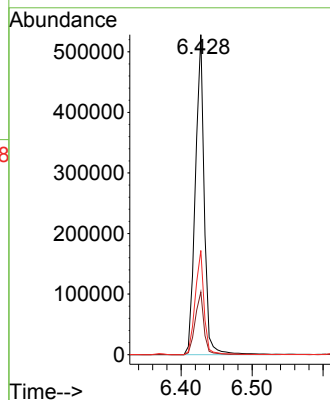
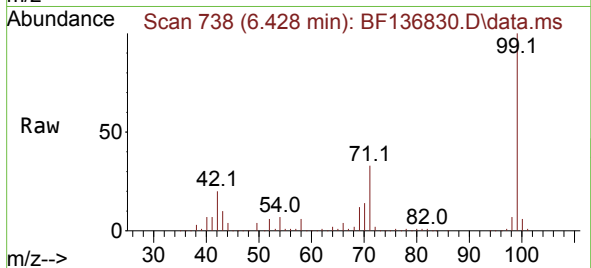




#7
Phenol-d6
Concen: 76.674 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

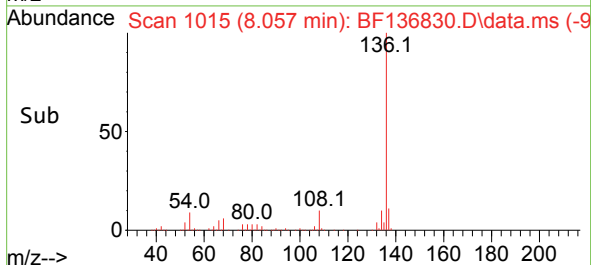
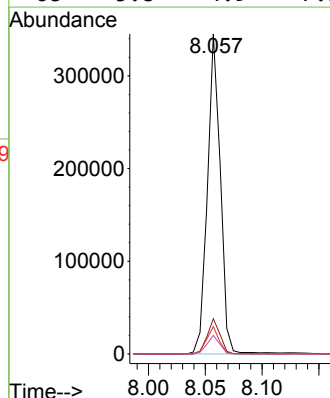
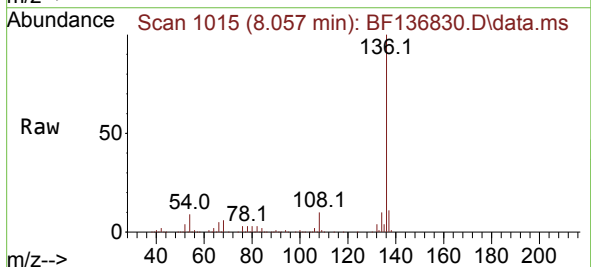
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

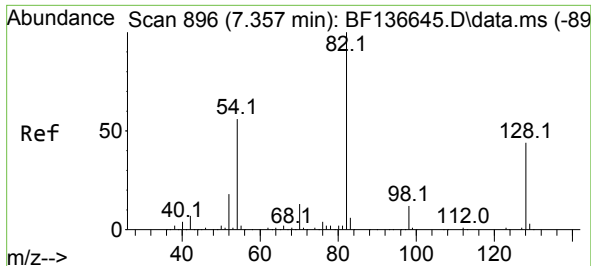
Tgt Ion: 99 Resp: 461591
Ion Ratio Lower Upper
99 100
42 19.6 16.1 24.1
71 32.6 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion: 136 Resp: 273010
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.5 7.2 10.8
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 54.206 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

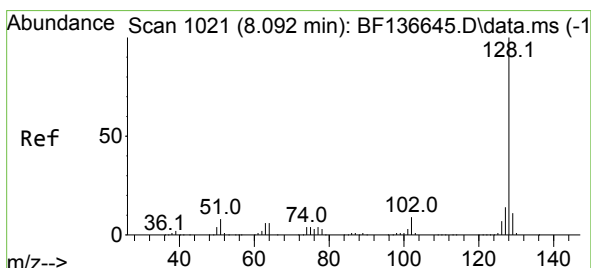
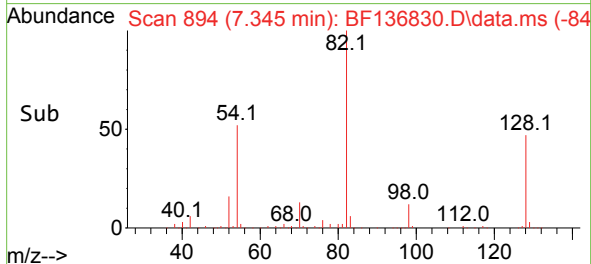
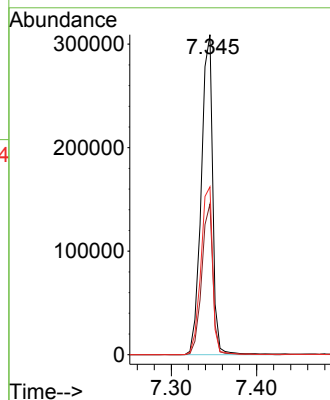
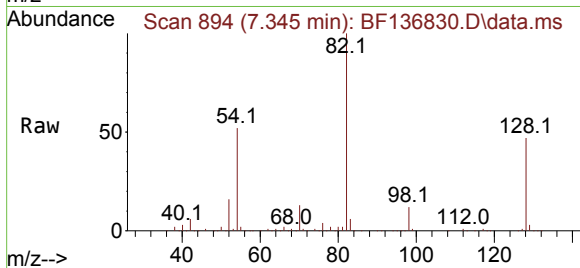
Tgt Ion: 82 Resp: 289204

Ion Ratio Lower Upper

82 100

128 47.1 35.3 52.9

54 52.4 44.5 66.7



#31

Naphthalene

Concen: 9.233 ng

RT: 8.081 min Scan# 1019

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

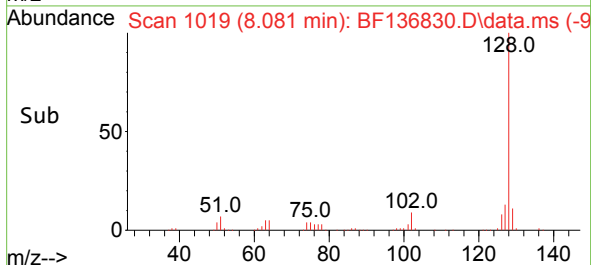
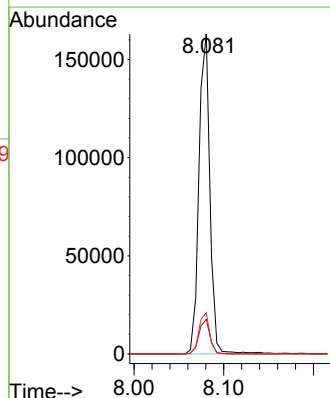
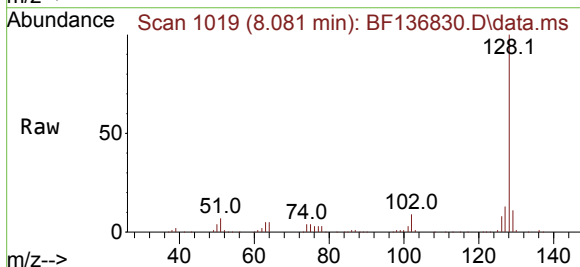
Tgt Ion: 128 Resp: 138485

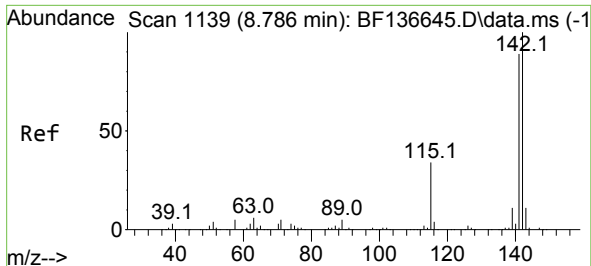
Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 12.9 10.8 16.2

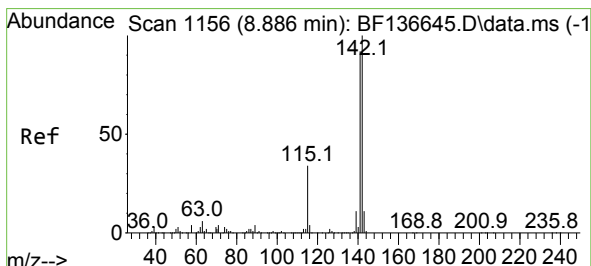
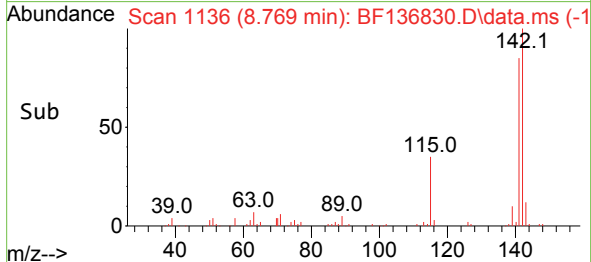
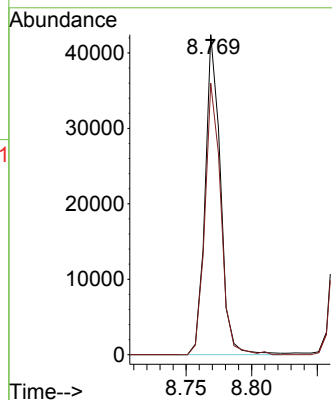
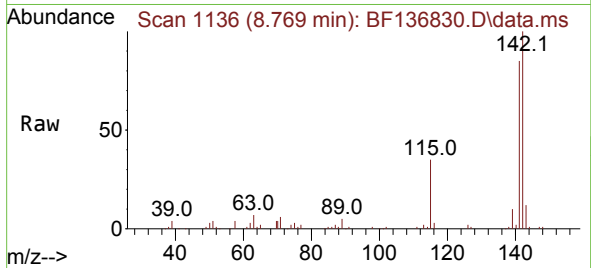




#37
2-Methylnaphthalene
Concen: 3.566 ng
RT: 8.769 min Scan# 1136
Delta R.T. -0.018 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

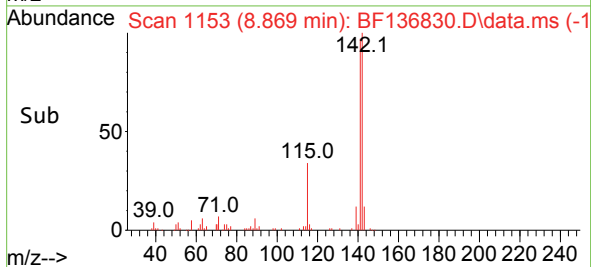
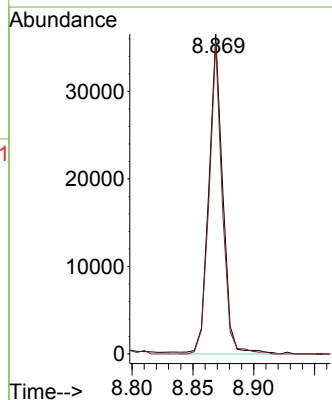
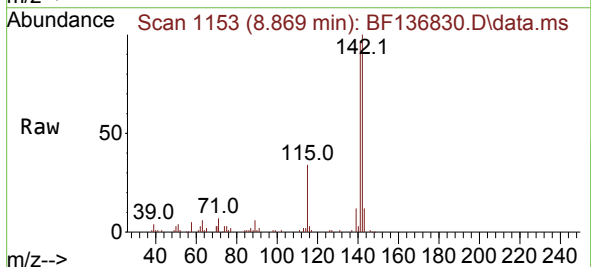
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

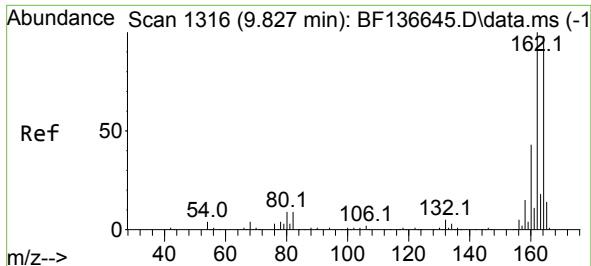
Tgt Ion:142 Resp: 34418
Ion Ratio Lower Upper
142 100
141 84.8 71.1 106.7



#38
1-Methylnaphthalene
Concen: 3.055 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.018 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:142 Resp: 28929
Ion Ratio Lower Upper
142 100
141 97.1 73.6 110.4

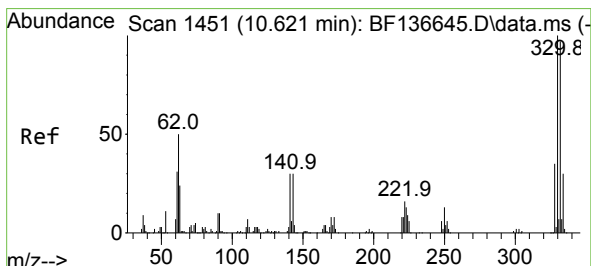
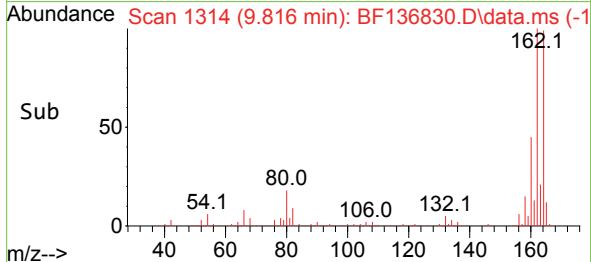
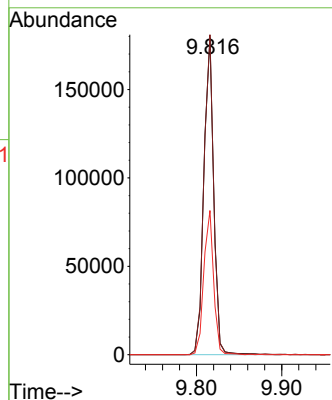
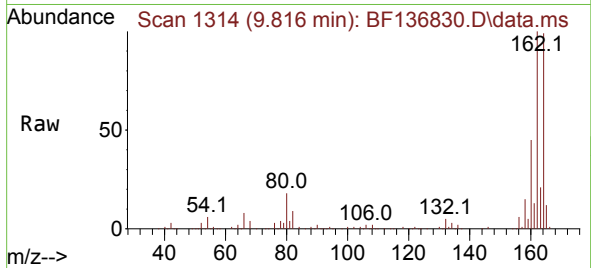




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.816 min Scan# 1314
 Delta R.T. -0.012 min
 Lab File: BF136830.D
 Acq: 29 Dec 2023 15:40

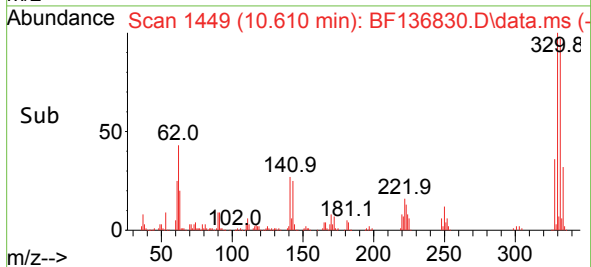
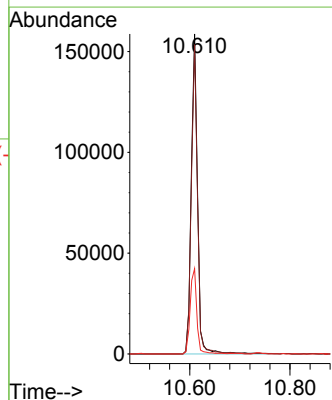
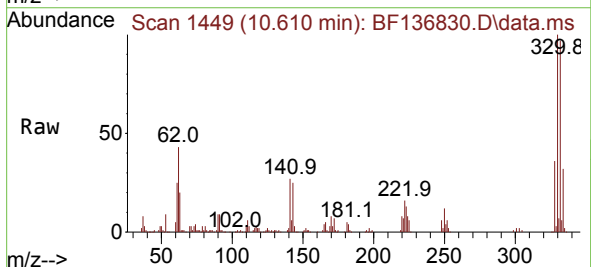
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-02

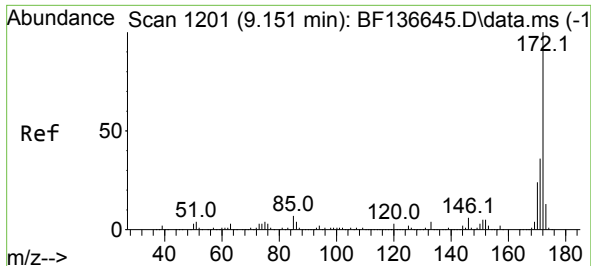
Tgt Ion:164 Resp: 143984
 Ion Ratio Lower Upper
 164 100
 162 100.9 81.6 122.4
 160 45.5 34.9 52.3



#42
 2,4,6-Tribromophenol
 Concen: 80.855 ng
 RT: 10.610 min Scan# 1449
 Delta R.T. -0.012 min
 Lab File: BF136830.D
 Acq: 29 Dec 2023 15:40

Tgt Ion:330 Resp: 137108
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.4 116.0
 141 28.6 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 57.075 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

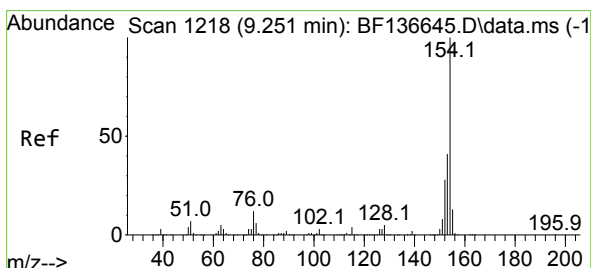
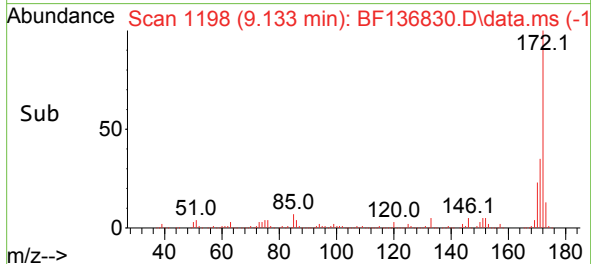
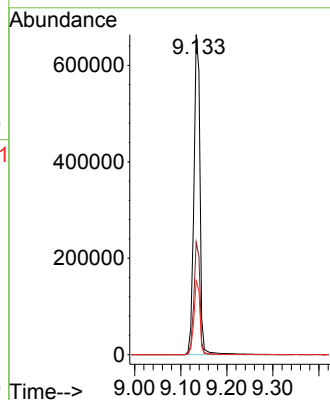
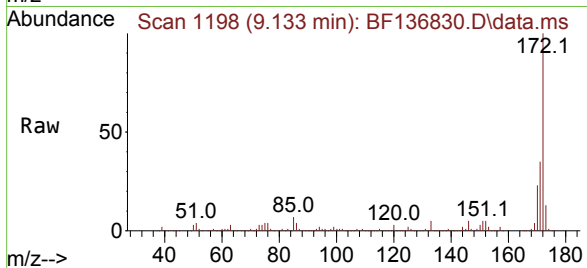
Tgt Ion:172 Resp: 611000

Ion Ratio Lower Upper

172 100

171 35.2 29.0 43.6

170 23.1 19.0 28.4



#46

1,1'-Biphenyl

Concen: 2.070 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.018 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

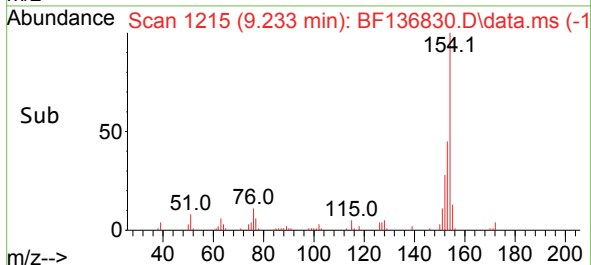
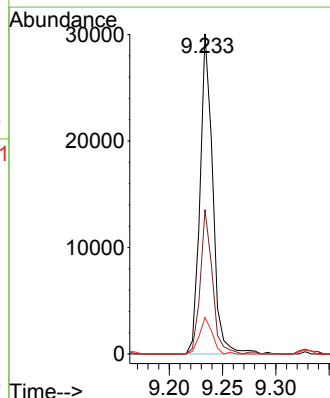
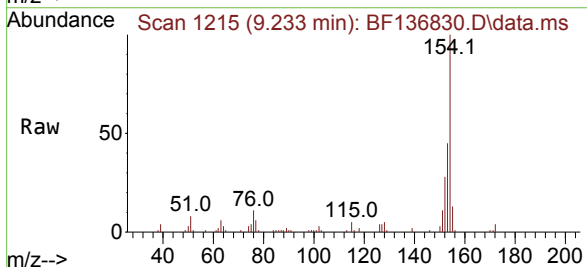
Tgt Ion:154 Resp: 25015

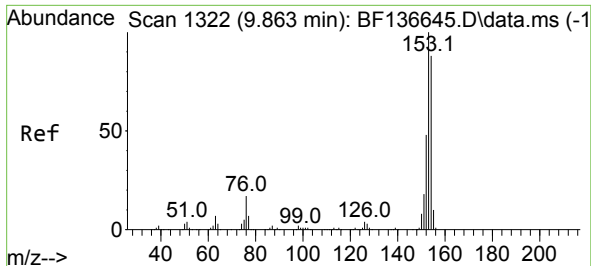
Ion Ratio Lower Upper

154 100

153 45.1 21.1 61.1

76 11.4 0.0 31.7

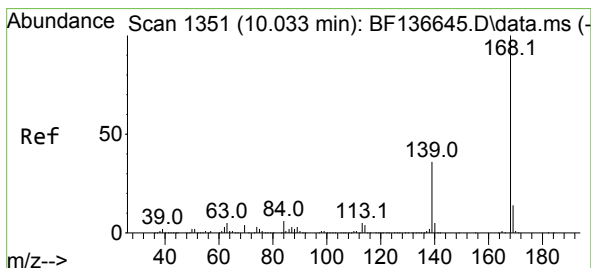
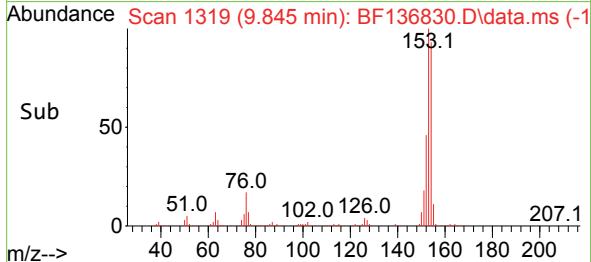
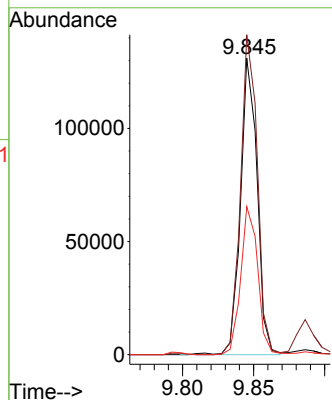
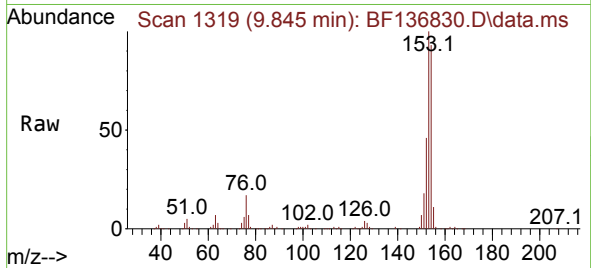




#52
Acenaphthene
Concen: 12.250 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

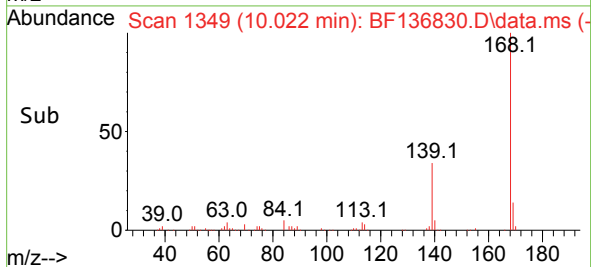
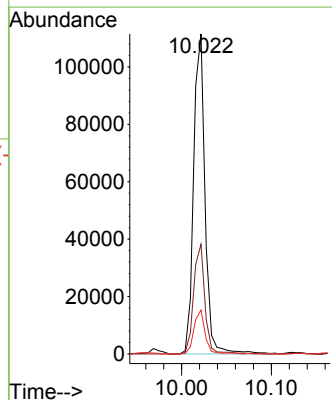
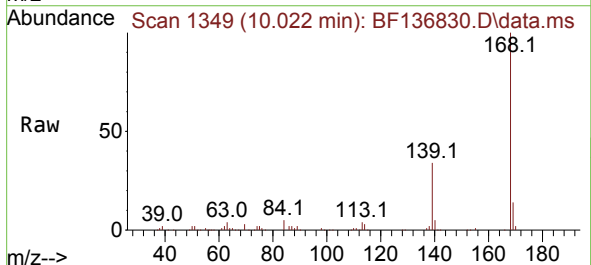
Instrument :
BNA_F
ClientSampleId :
GHL-SS-02

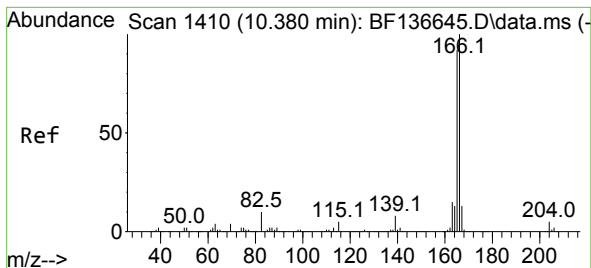
Tgt Ion:154 Resp: 106609
Ion Ratio Lower Upper
154 100
153 107.9 90.7 136.1
152 49.9 43.7 65.5



#55
Dibenzofuran
Concen: 7.482 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136830.D
Acq: 29 Dec 2023 15:40

Tgt Ion:168 Resp: 98701
Ion Ratio Lower Upper
168 100
139 34.3 29.3 43.9
169 13.8 11.0 16.4





#58

Fluorene

Concen: 8.607 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

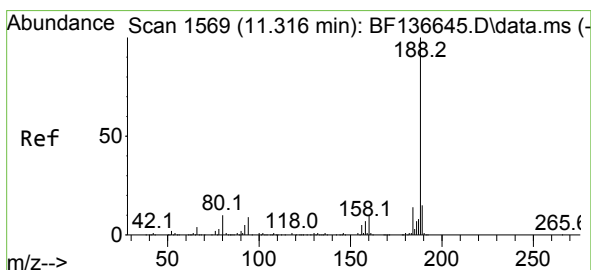
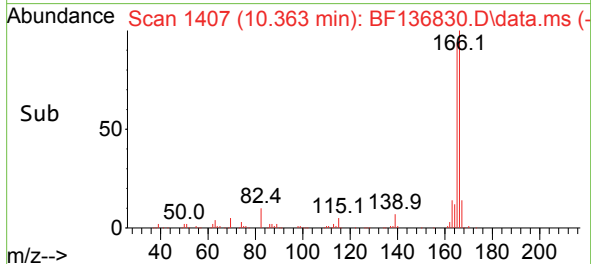
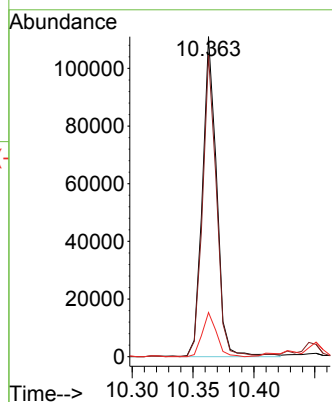
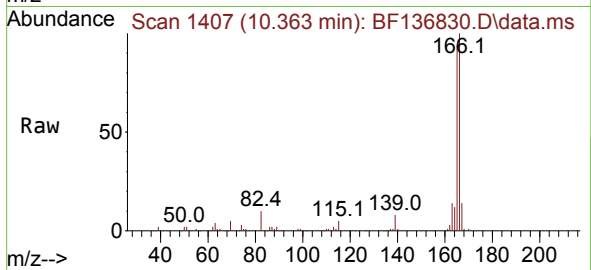
Tgt Ion:166 Resp: 90096

Ion Ratio Lower Upper

166 100

165 94.2 73.7 110.5

167 13.8 10.4 15.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

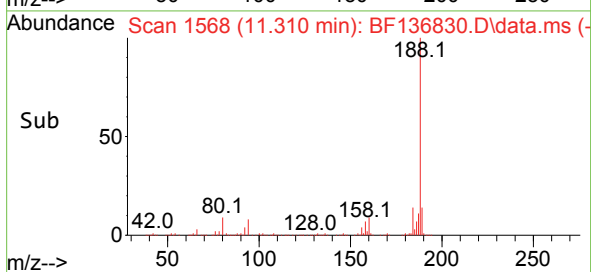
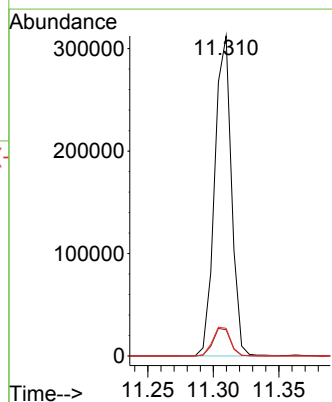
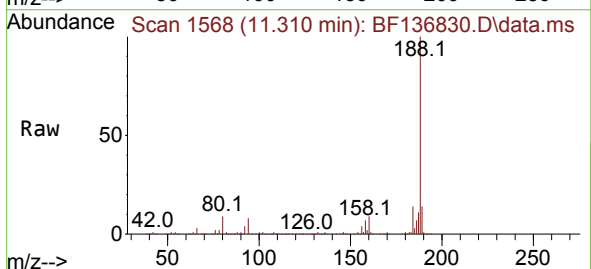
Tgt Ion:188 Resp: 277618

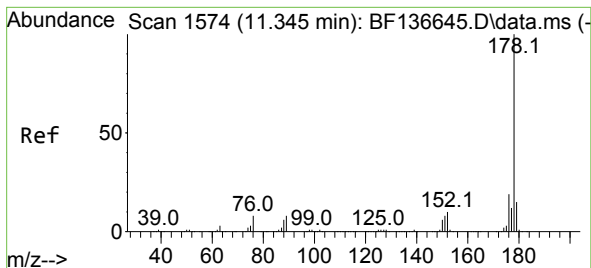
Ion Ratio Lower Upper

188 100

94 8.2 7.5 11.3

80 8.7 8.1 12.1





#71

Phenanthrene

Concen: 18.097 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

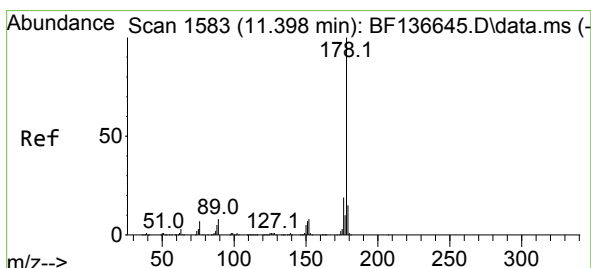
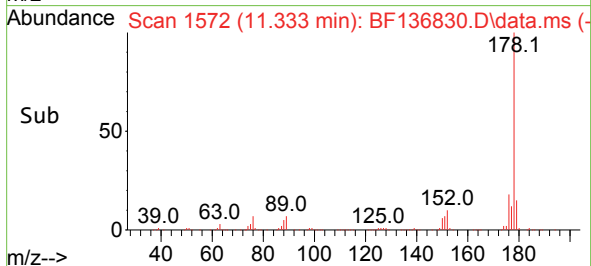
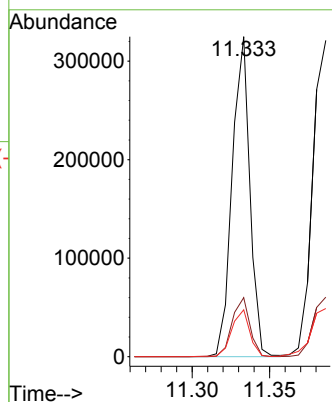
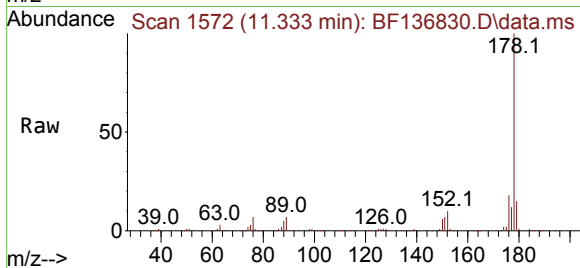
Tgt Ion:178 Resp: 257784

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 14.6 11.9 17.9



#72

Anthracene

Concen: 19.227 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

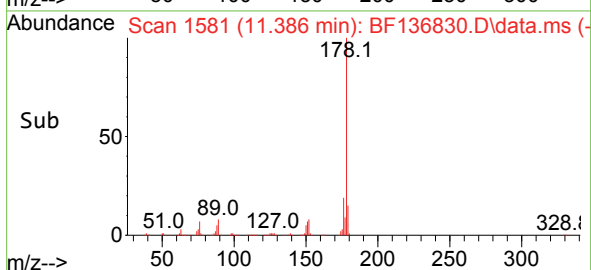
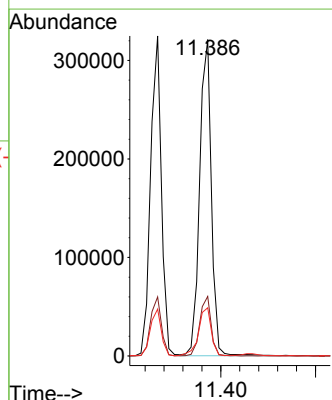
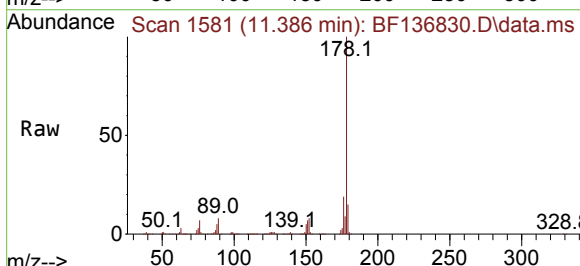
Tgt Ion:178 Resp: 277374

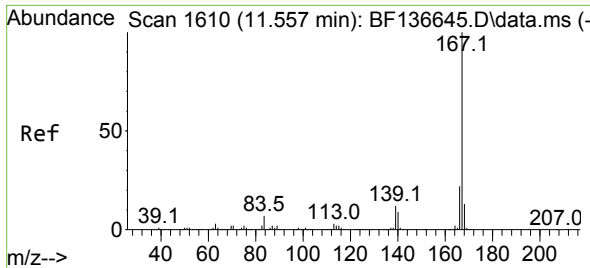
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.2 11.8 17.6

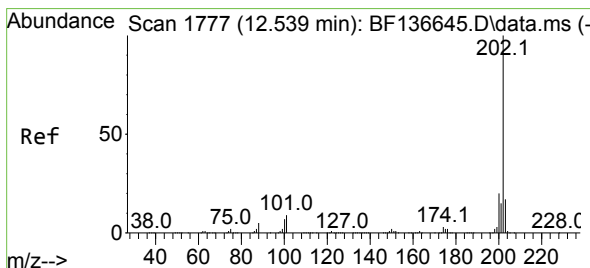
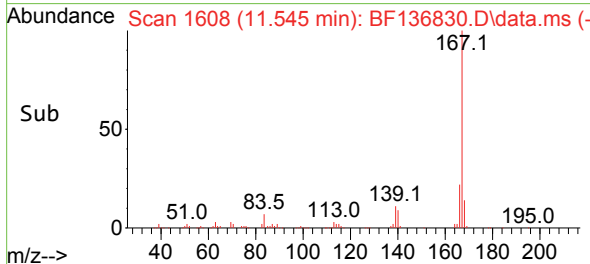
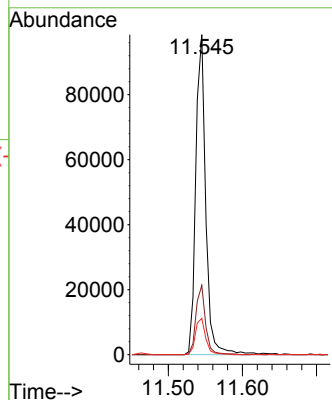
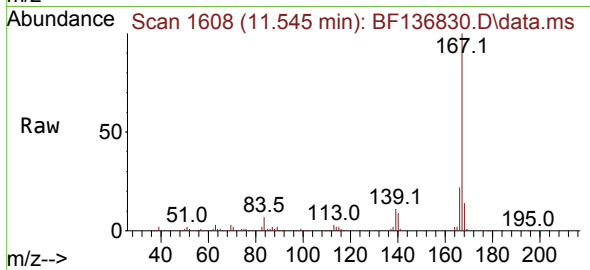




#73
 Carbazole
 Concen: 6.763 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.012 min
 Lab File: BF136830.D
 Acq: 29 Dec 2023 15:40

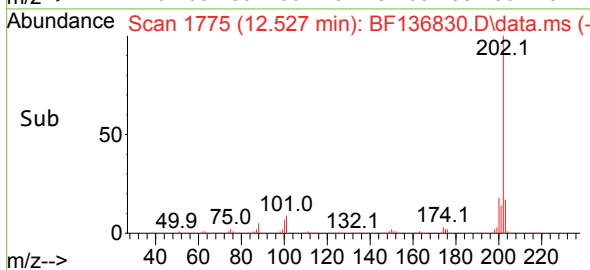
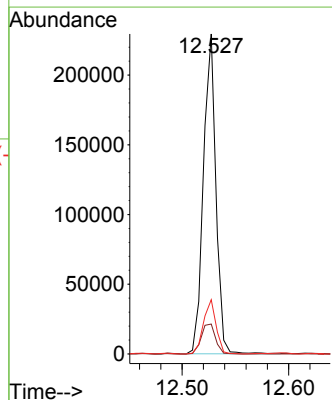
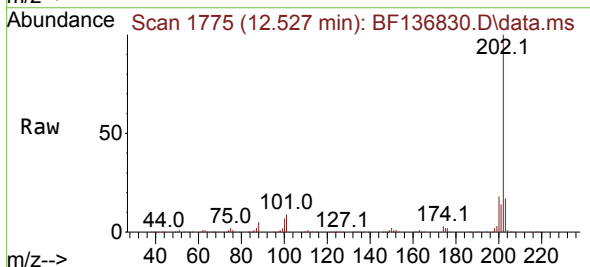
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-02

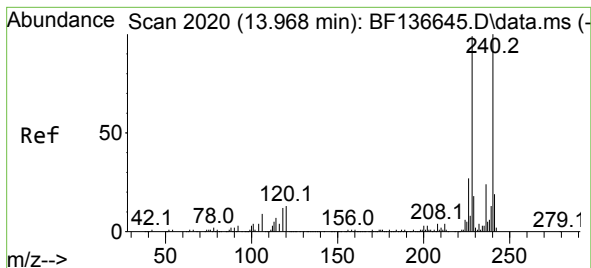
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	11.4	9.8	14.6



#75
 Fluoranthene
 Concen: 12.297 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136830.D
 Acq: 29 Dec 2023 15:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.3
203	16.9	0.0	37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02

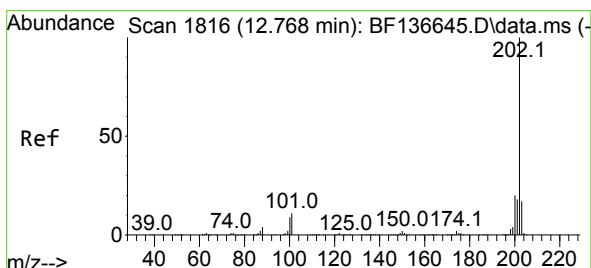
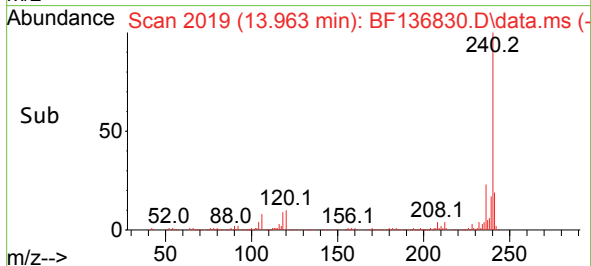
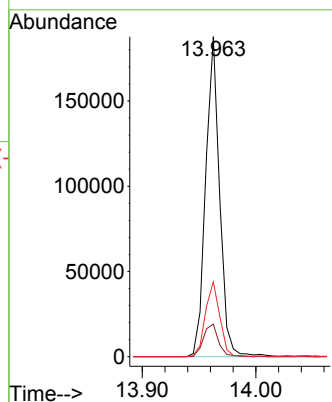
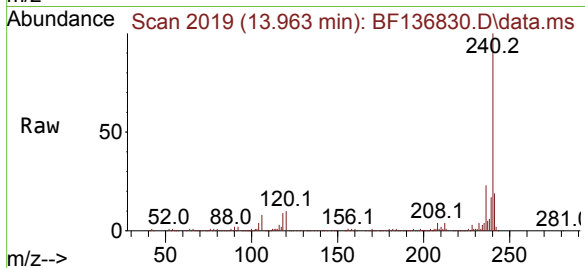
Tgt Ion:240 Resp: 159999

Ion Ratio Lower Upper

240 100

120 10.2 10.3 15.5#

236 23.4 19.4 29.2



#78

Pyrene

Concen: 7.998 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136830.D

Acq: 29 Dec 2023 15:40

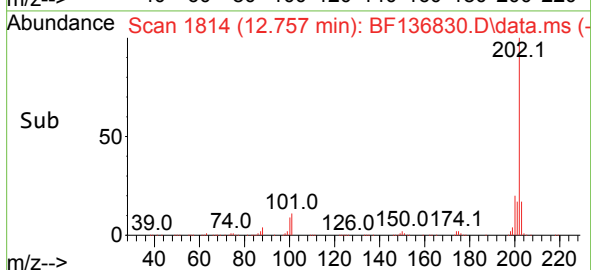
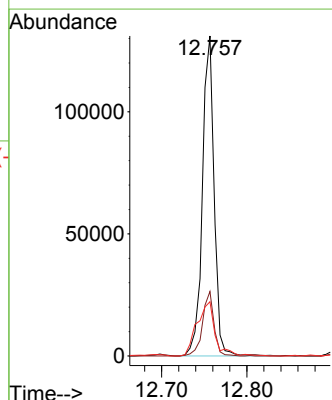
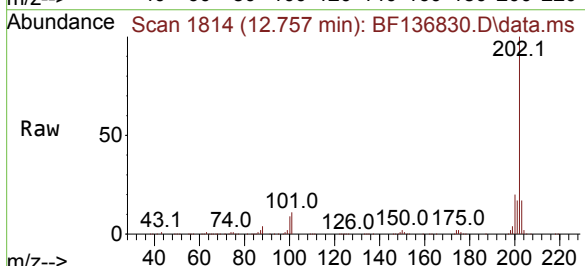
Tgt Ion:202 Resp: 125620

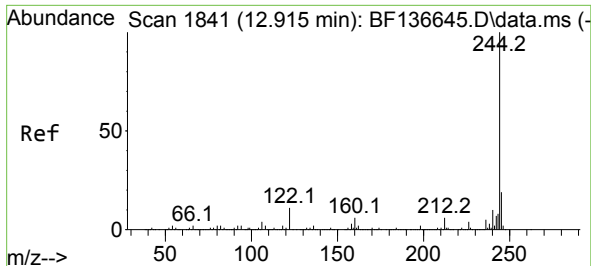
Ion Ratio Lower Upper

202 100

200 20.2 15.9 23.9

203 16.9 13.8 20.6

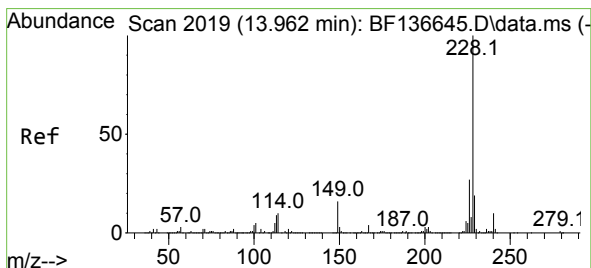
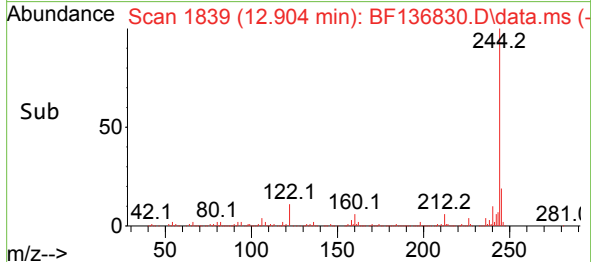
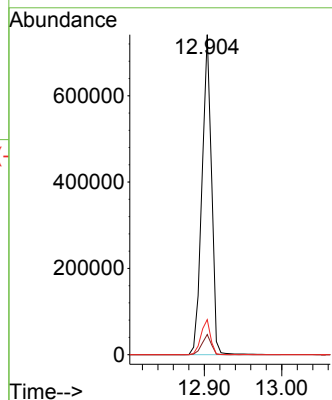
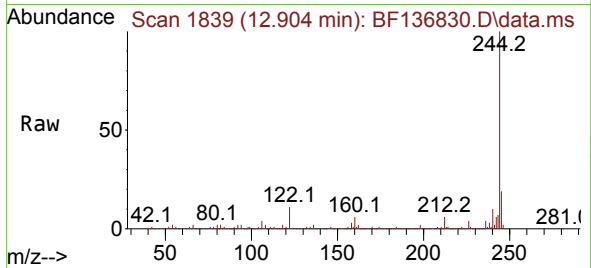




#79
 Terphenyl-d14
 Concen: 55.329 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF136830.D
 Acq: 29 Dec 2023 15:40

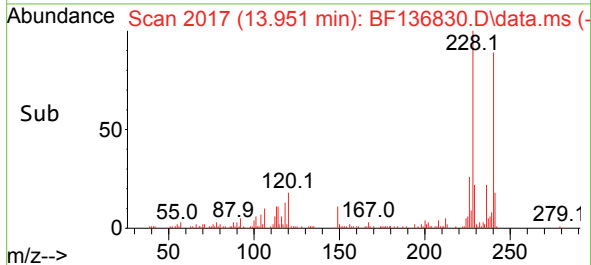
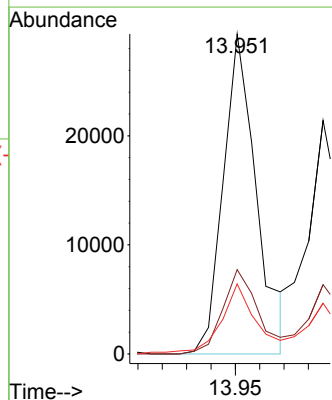
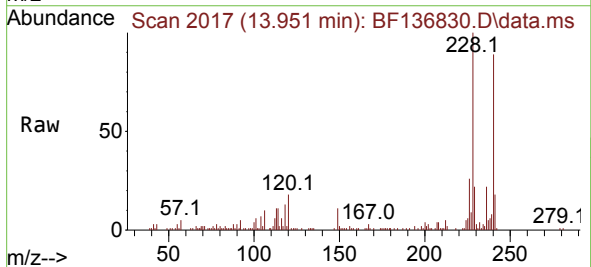
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-02

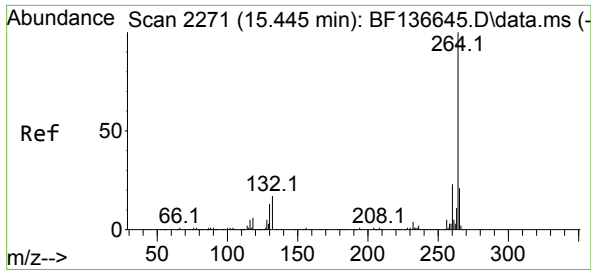
Tgt Ion:244 Resp: 633476
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 11.0 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.510 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136830.D
 Acq: 29 Dec 2023 15:40

Tgt Ion:228 Resp: 27892
 Ion Ratio Lower Upper
 228 100
 226 26.3 21.4 32.0
 229 21.9 14.9 22.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136830.D

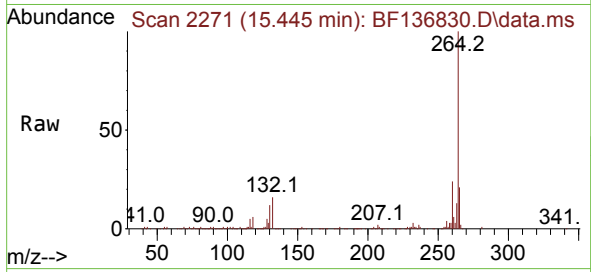
Acq: 29 Dec 2023 15:40

Instrument :

BNA_F

ClientSampleId :

GHL-SS-02



Tgt Ion:264 Resp: 140838

Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 21.2 17.0 25.6

