

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136975.D
 Acq On : 05 Jan 2024 14:49
 Operator : CG\JU
 Sample : 05899-22DL2 100X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-18-2-4DL2

Quant Time: Jan 05 15:13:47 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)

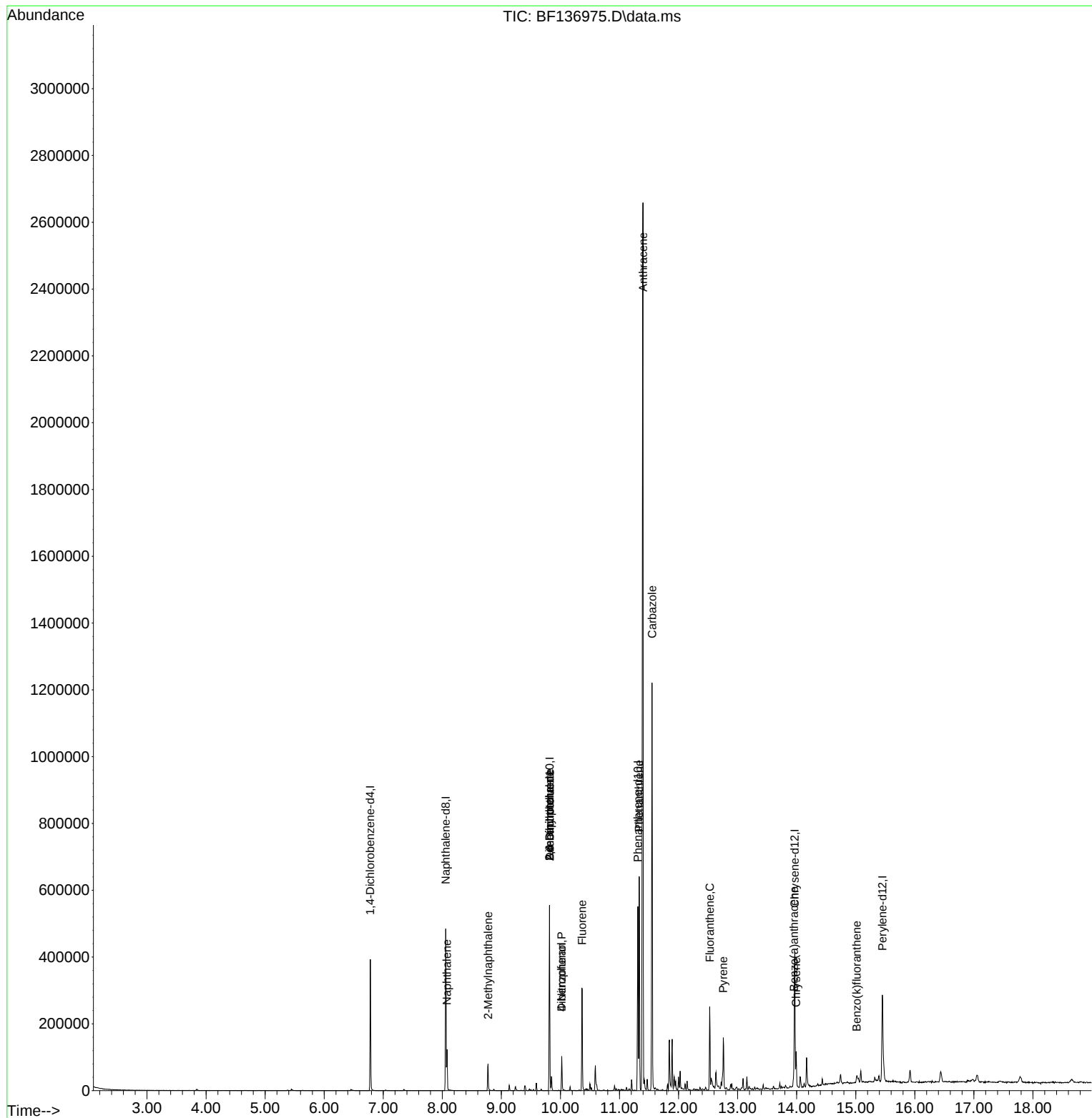
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	55065	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	199429	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	101708	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	192329	20.000	ng	0.00
76) Chrysene-d12	13.968	240	131953	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	134833	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	2817	0.798	ng	0.02
7) Phenol-d6	6.457	99	3932	0.860	ng	0.02
23) Nitrobenzene-d5	7.351	82	2262	0.580	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	1066	0.890	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	5647	0.747	ng	-0.02
79) Terphenyl-d14	12.904	244	6933	0.734	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.080	128	48805	4.455	ng	98
37) 2-Methylnaphthalene	8.775	142	25509	3.618	ng	94
50) Dimethylphthalate	9.816	163	19993	2.691	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	13474	7.992	ng	# 30
55) Dibenzofuran	10.022	168	39855	4.277	ng	93
56) 4-Nitrophenol	10.022	139	13246	10.986	ng	# 9
57) 2,4-Dinitrotoluene	9.816	165	13474	6.156	ng	# 21
58) Fluorene	10.369	166	93313	12.620	ng	99
71) Phenanthrene	11.333	178	228919	23.197	ng	98
72) Anthracene	11.398	178	1165877	116.656	ng	99
73) Carbazole	11.551	167	475927	50.509	ng	100
75) Fluoranthene	12.527	202	96719	9.163	ng	98
78) Pyrene	12.757	202	65554	5.061	ng	99
81) Benzo(a)anthracene	13.957	228	19675	2.147	ng	99
83) Chrysene	13.992	228	35970	4.014	ng	98
89) Benzo(k)fluoranthene	15.015	252	17335	2.037	ng	97

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

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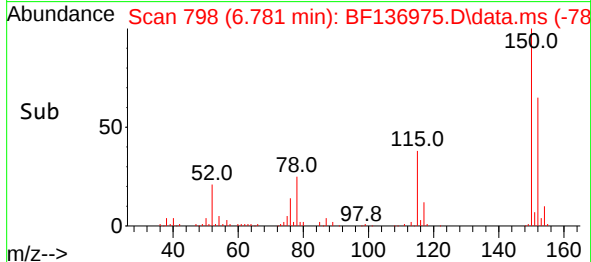
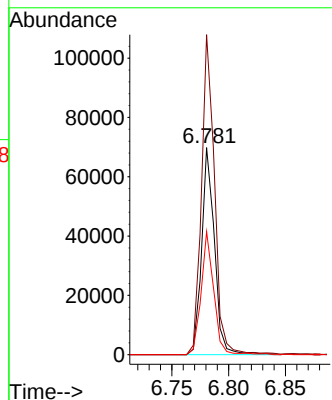
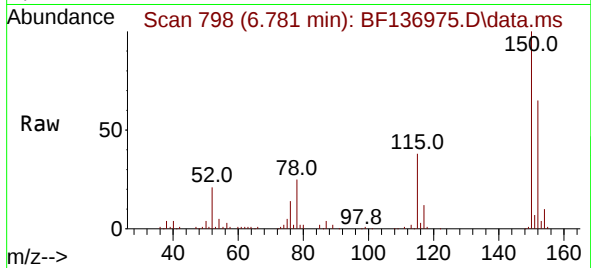




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

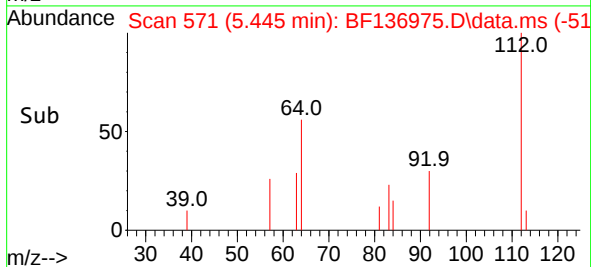
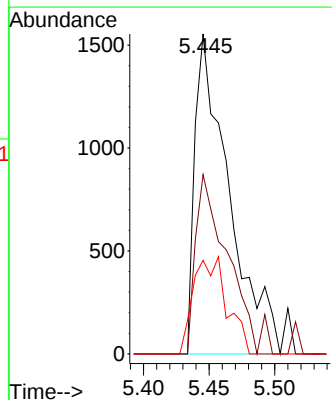
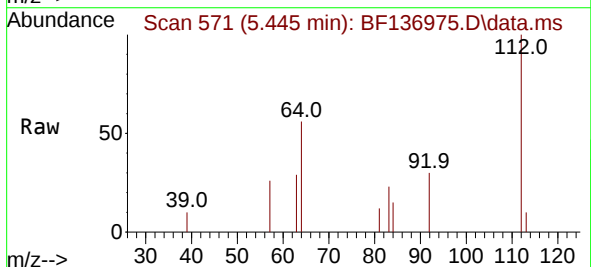
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-2-4DL2

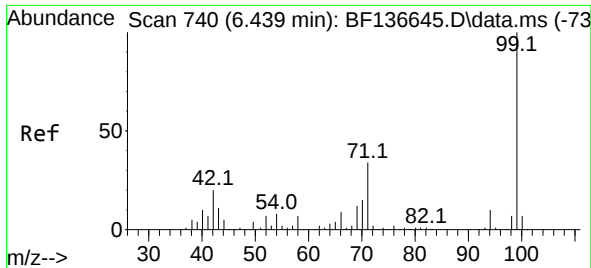
Tgt Ion:152 Resp: 55065
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.6
115 59.4 49.0 73.4



#5
2-Fluorophenol
Concen: 0.798 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.018 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

Tgt Ion:112 Resp: 2817
Ion Ratio Lower Upper
112 100
64 56.0 51.1 76.7
63 29.2 26.1 39.1

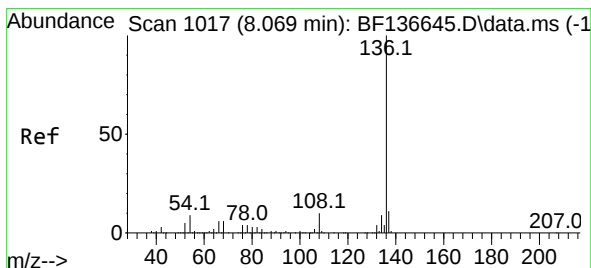
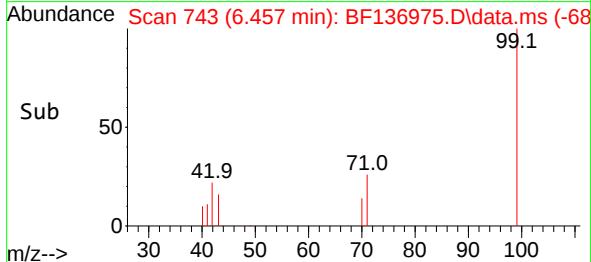
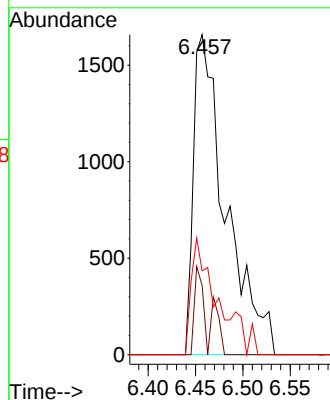
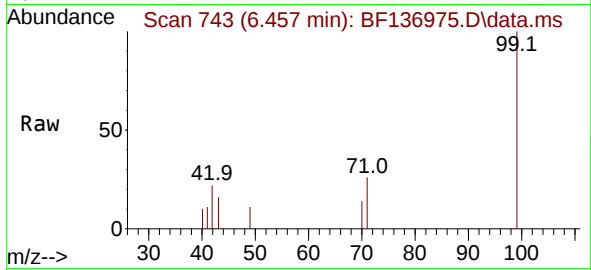




#7
Phenol-d6
Concen: 0.860 ng
RT: 6.457 min Scan# 74
Delta R.T. 0.018 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

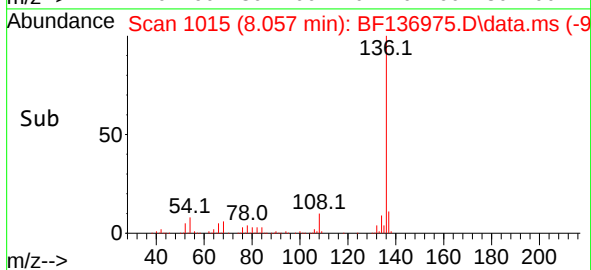
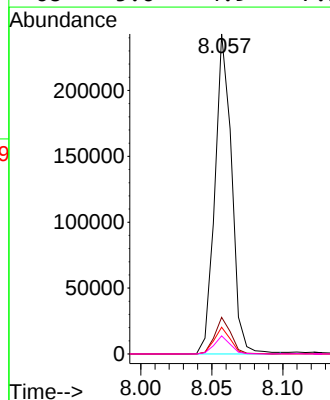
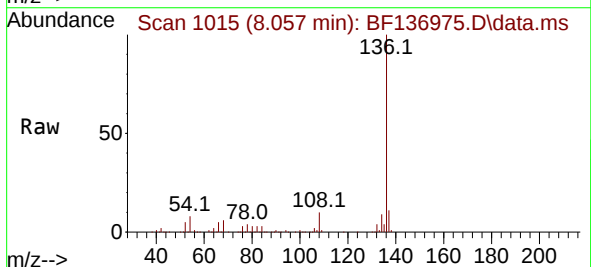
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-2-4DL2

Tgt Ion: 99 Resp: 3932
Ion Ratio Lower Upper
99 100
42 21.6 16.1 24.1
71 26.2 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: BF136975.D
Acq: 05 Jan 2024 14:49

Tgt Ion: 136 Resp: 199429
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 8.3 7.2 10.8
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 0.580 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136975.D

Acq: 05 Jan 2024 14:49

Instrument :

BNA_F

ClientSampleId :

GHL-SS-18-2-4DL2

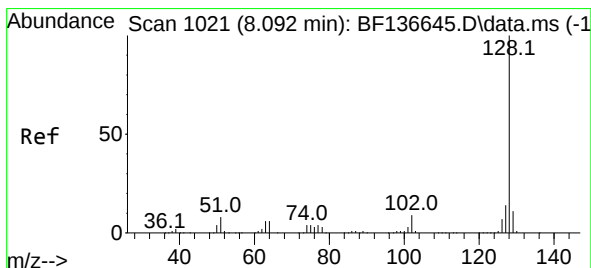
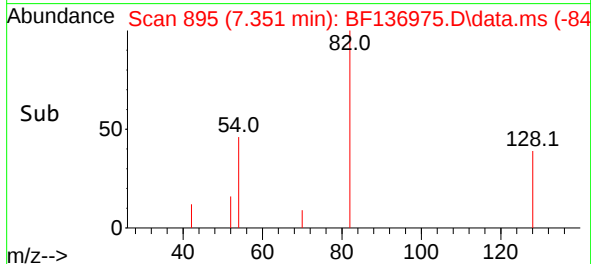
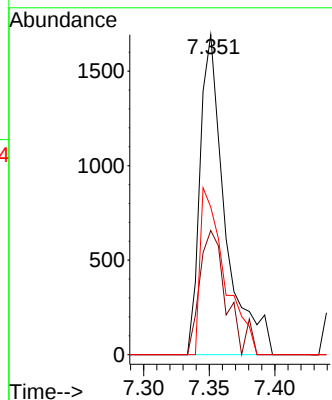
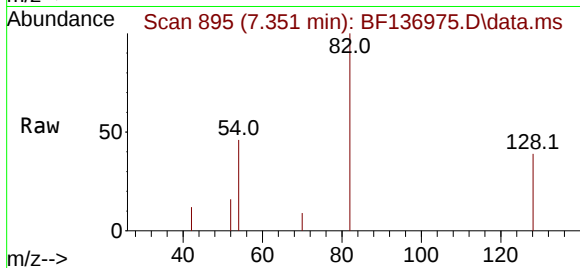
Tgt Ion: 82 Resp: 2262

Ion Ratio Lower Upper

82 100

128 38.8 35.3 52.9

54 46.1 44.5 66.7



#31

Naphthalene

Concen: 4.455 ng

RT: 8.080 min Scan# 1019

Delta R.T. -0.012 min

Lab File: BF136975.D

Acq: 05 Jan 2024 14:49

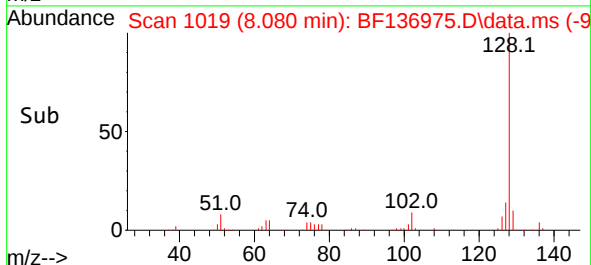
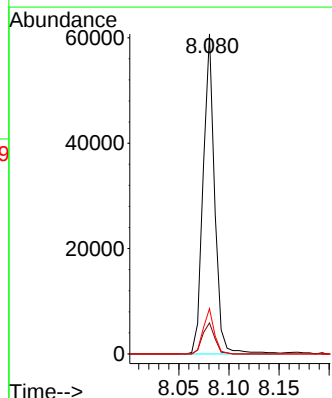
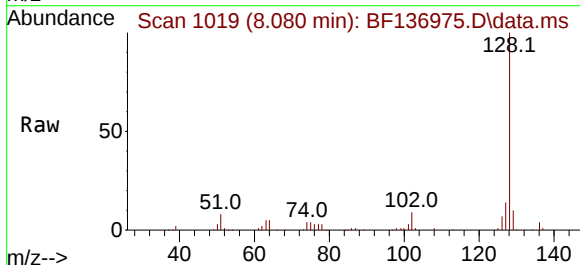
Tgt Ion: 128 Resp: 48805

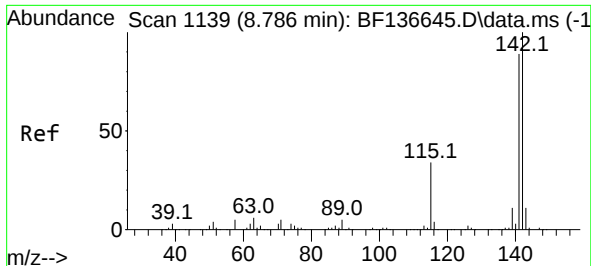
Ion Ratio Lower Upper

128 100

129 9.7 8.7 13.1

127 14.1 10.8 16.2





#37

2-Methylnaphthalene

Concen: 3.618 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136975.D

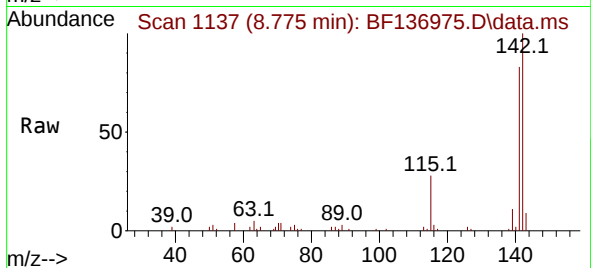
Acq: 05 Jan 2024 14:49

Instrument :

BNA_F

ClientSampleId :

GHL-SS-18-2-4DL2

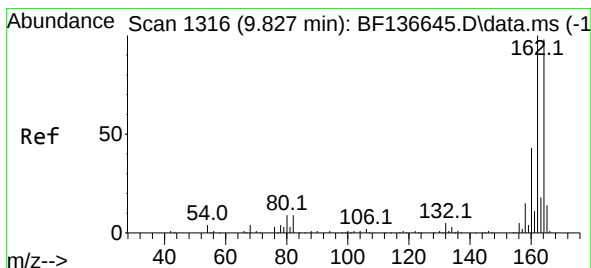
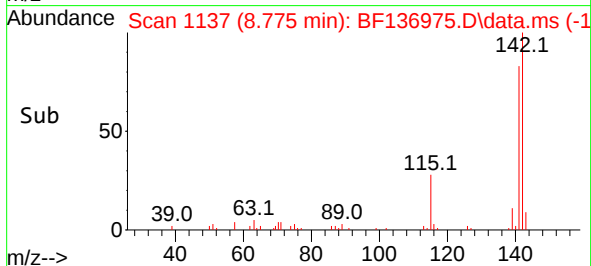
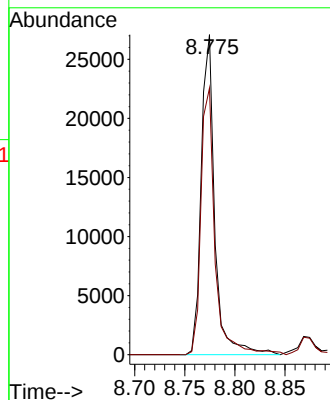


Tgt Ion:142 Resp: 25509

Ion Ratio Lower Upper

142 100

141 83.3 71.1 106.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF136975.D

Acq: 05 Jan 2024 14:49

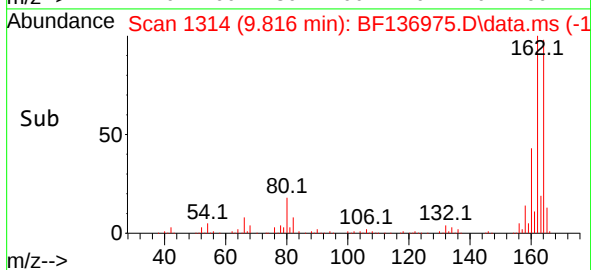
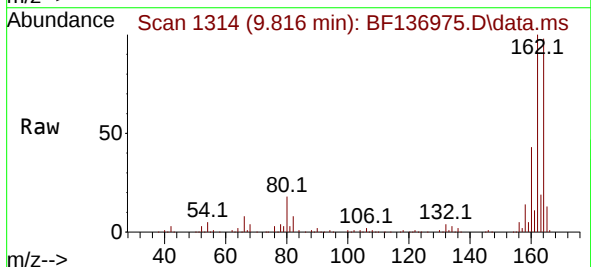
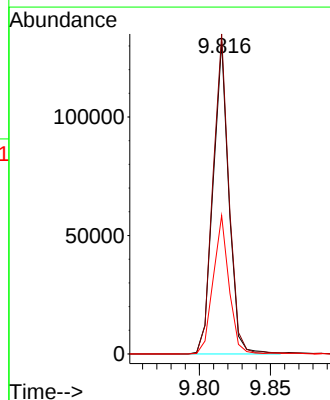
Tgt Ion:164 Resp: 101708

Ion Ratio Lower Upper

164 100

162 102.5 81.6 122.4

160 44.3 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 0.890 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF136975.D

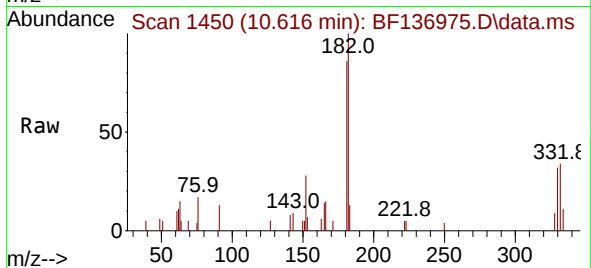
Acq: 05 Jan 2024 14:49

Instrument :

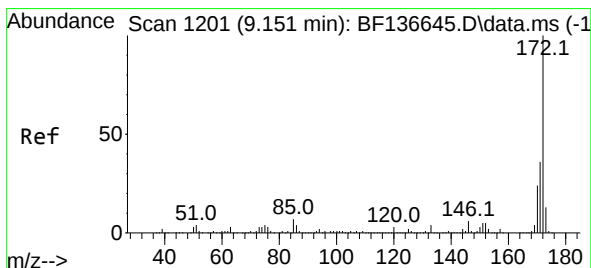
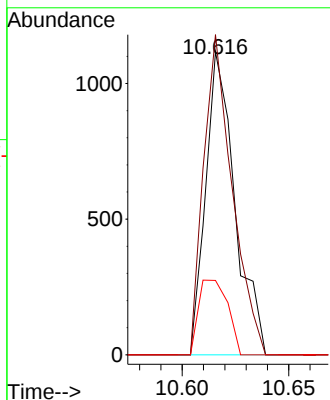
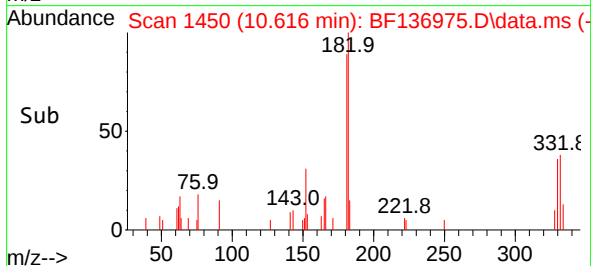
BNA_F

ClientSampleId :

GHL-SS-18-2-4DL2



Tgt Ion:	330	Resp:	1066
Ion Ratio	Lower	Upper	
330	100		
332	103.6	77.4	116.0
141	24.5	23.4	35.2



#45

2-Fluorobiphenyl

Concen: 0.747 ng

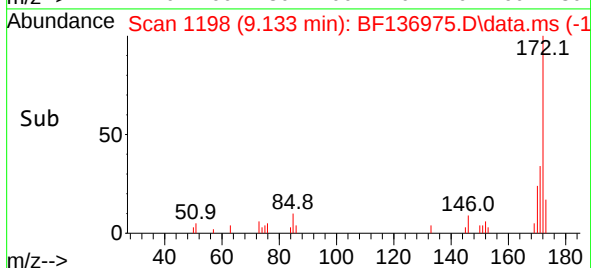
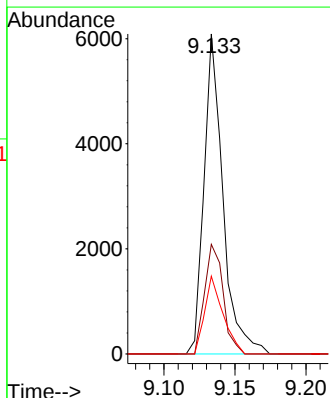
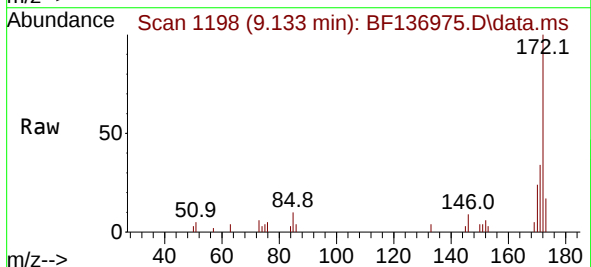
RT: 9.133 min Scan# 1198

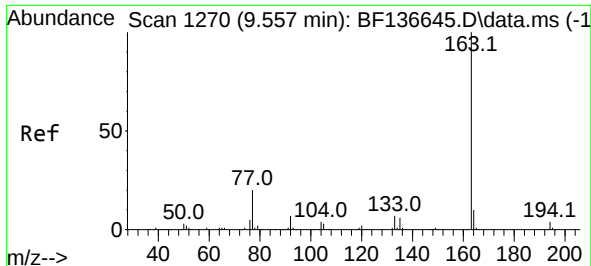
Delta R.T. -0.018 min

Lab File: BF136975.D

Acq: 05 Jan 2024 14:49

Tgt Ion:	172	Resp:	5647
Ion Ratio	Lower	Upper	
172	100		
171	34.3	29.0	43.6
170	24.3	19.0	28.4

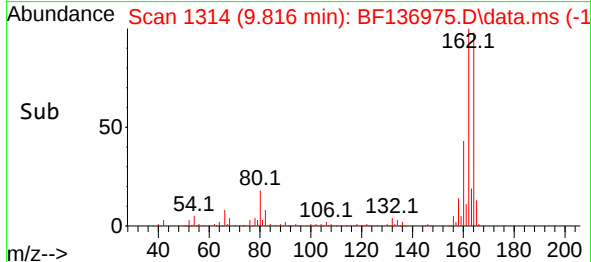
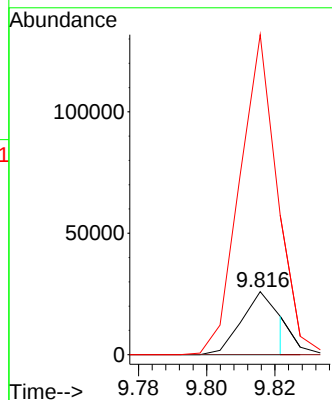
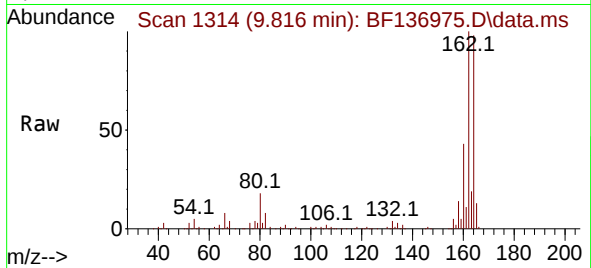




#50
Dimethylphthalate
Concen: 2.691 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

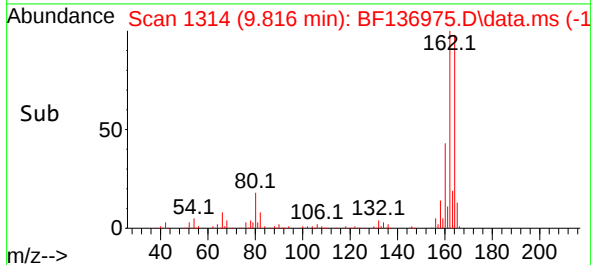
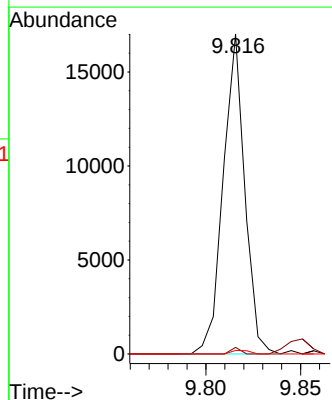
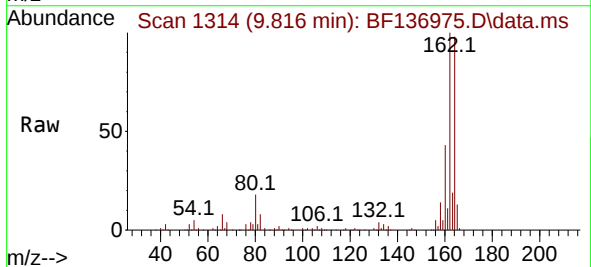
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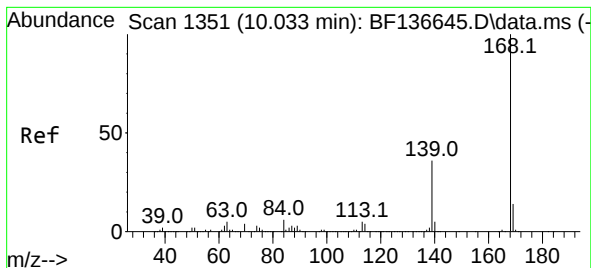
Tgt Ion:163 Resp: 19993
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 507.1 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.992 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

Tgt Ion:165 Resp: 13474
Ion Ratio Lower Upper
165 100
63 2.0 39.8 59.6#
89 1.1 38.8 58.2#

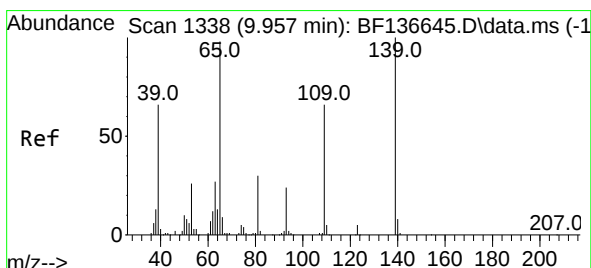
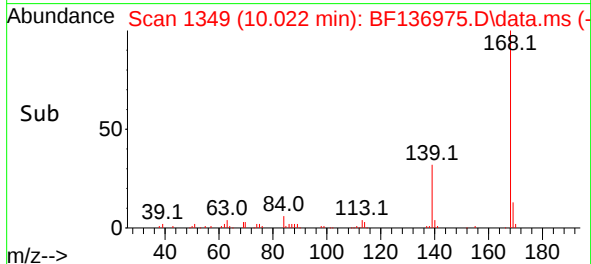
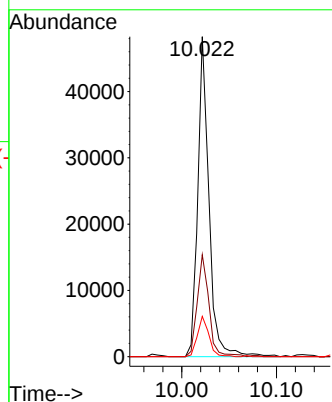
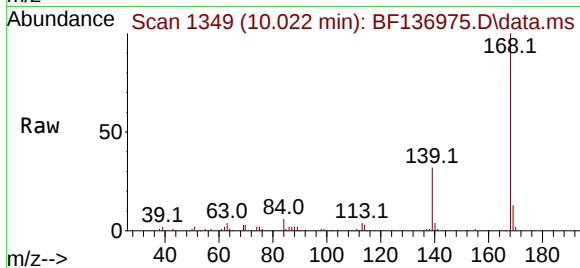




#55
Dibenzenofuran
Concen: 4.277 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

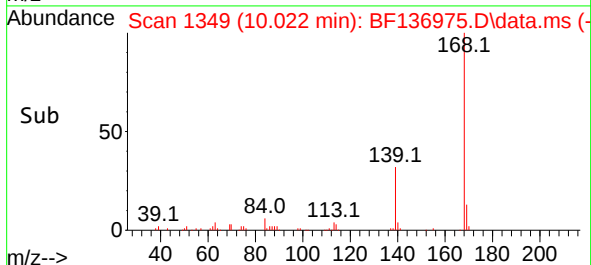
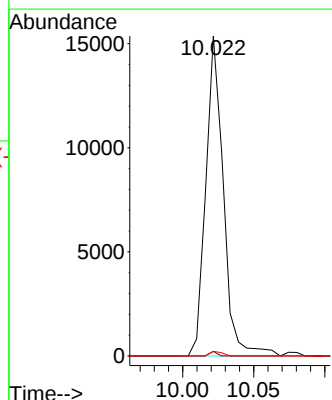
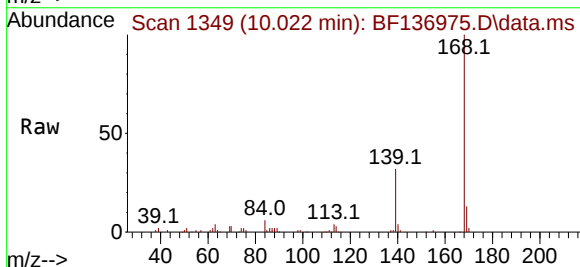
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-2-4DL2

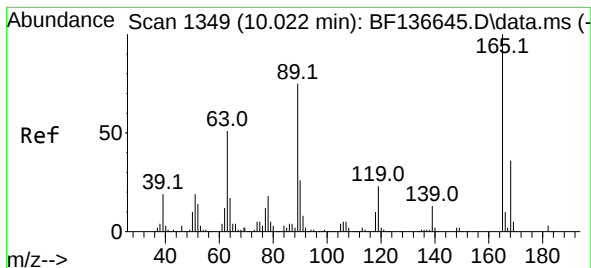
Tgt Ion:168 Resp: 39855
Ion Ratio Lower Upper
168 100
139 31.8 29.3 43.9
169 12.6 11.0 16.4



#56
4-Nitrophenol
Concen: 10.986 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.065 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

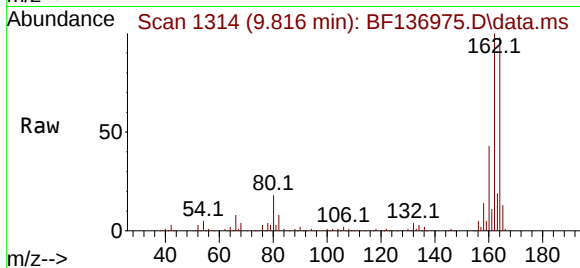
Tgt Ion:139 Resp: 13246
Ion Ratio Lower Upper
139 100
109 1.4 45.8 85.8#
65 1.5 77.8 117.8#



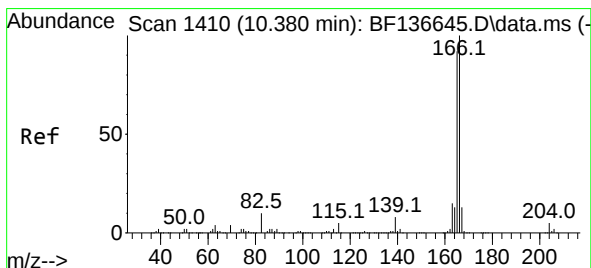
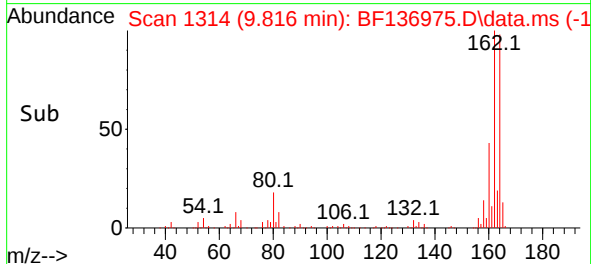
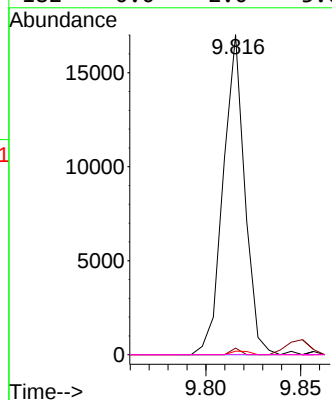


#57
2,4-Dinitrotoluene
Concen: 6.156 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-2-4DL2

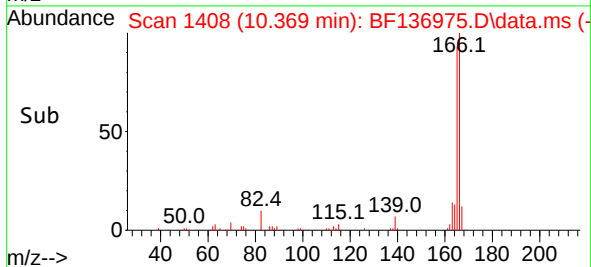
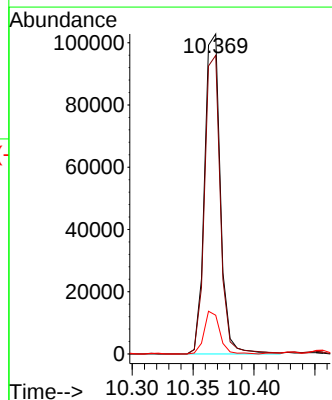
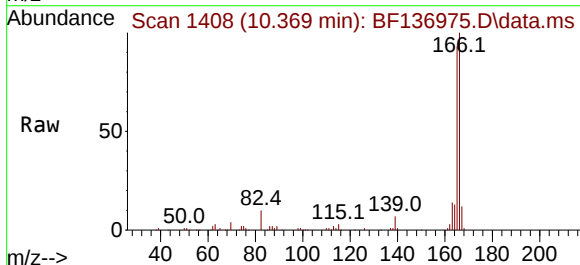


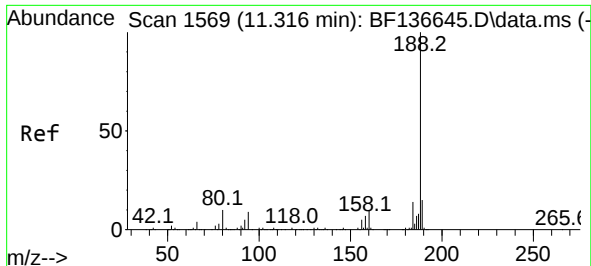
Tgt Ion:165 Resp: 13474
Ion Ratio Lower Upper
165 100
63 2.0 41.0 61.6#
89 1.1 59.9 89.9#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 12.620 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

Tgt Ion:166 Resp: 93313
Ion Ratio Lower Upper
166 100
165 93.3 73.7 110.5
167 12.1 10.4 15.6

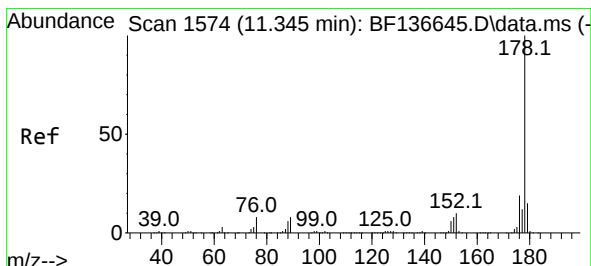
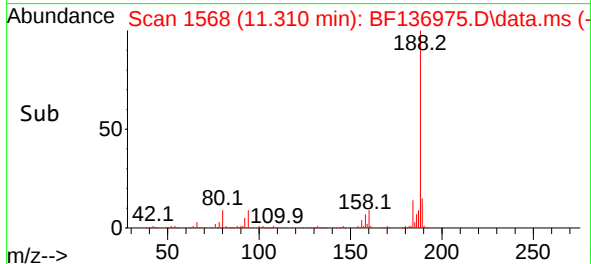
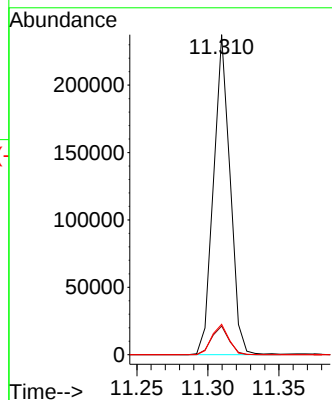
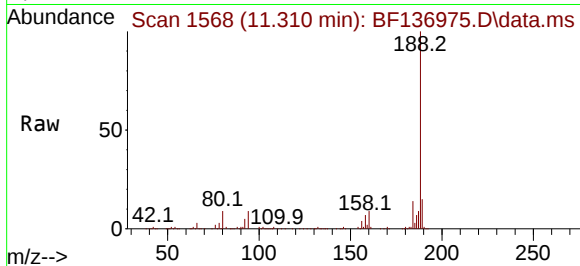




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

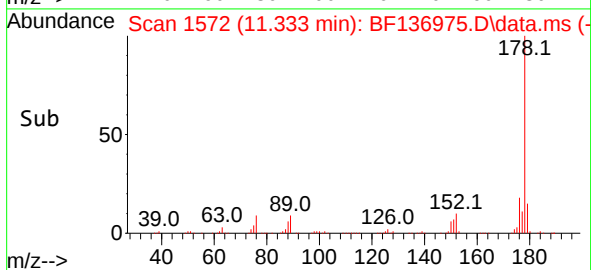
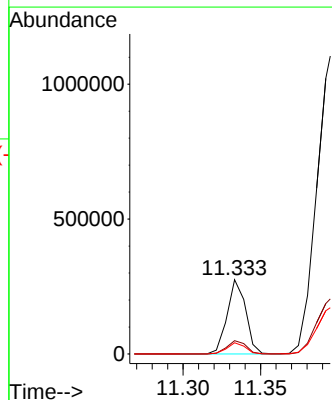
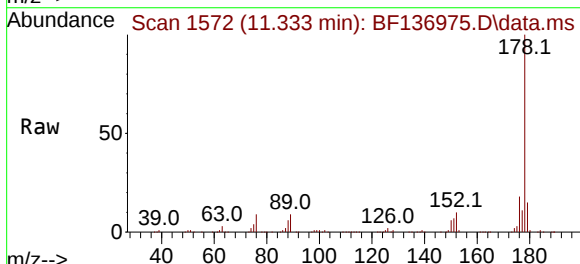
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-2-4DL2

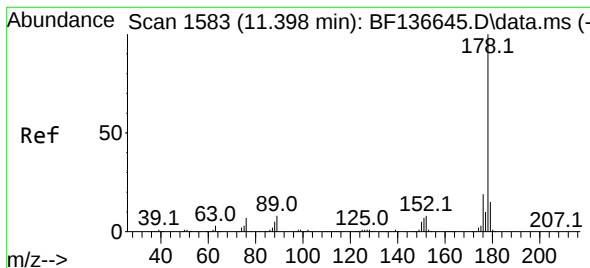
Tgt Ion:188 Resp: 192329
Ion Ratio Lower Upper
188 100
94 8.9 7.5 11.3
80 9.5 8.1 12.1



#71
Phenanthrene
Concen: 23.197 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

Tgt Ion:178 Resp: 228919
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 15.2 11.9 17.9





#72

Anthracene

Concen: 116.656 ng

RT: 11.398 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136975.D

Acq: 05 Jan 2024 14:49

Instrument :

BNA_F

ClientSampleId :

GHL-SS-18-2-4DL2

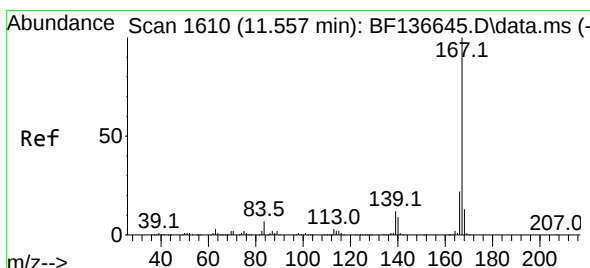
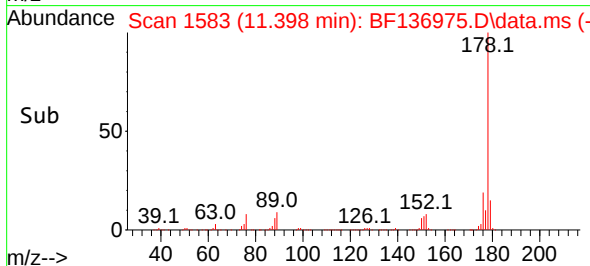
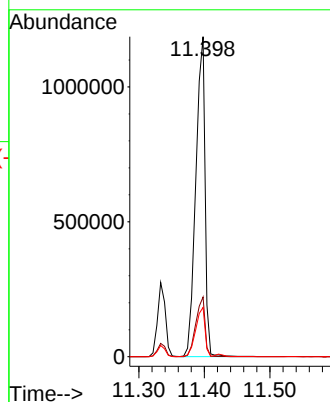
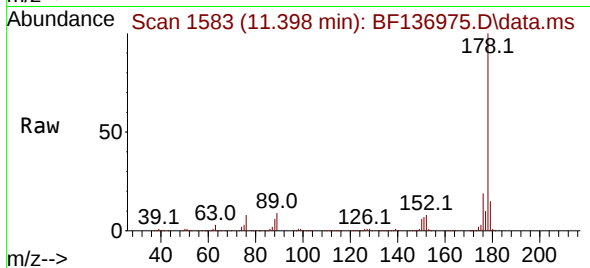
Tgt Ion:178 Resp: 1165877

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.4 11.8 17.6



#73

Carbazole

Concen: 50.509 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF136975.D

Acq: 05 Jan 2024 14:49

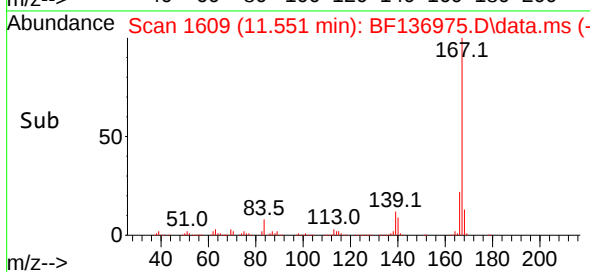
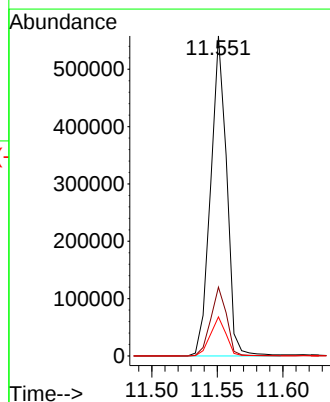
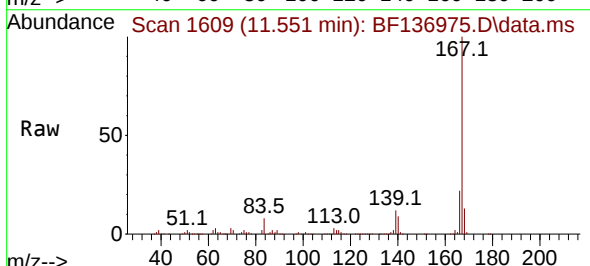
Tgt Ion:167 Resp: 475927

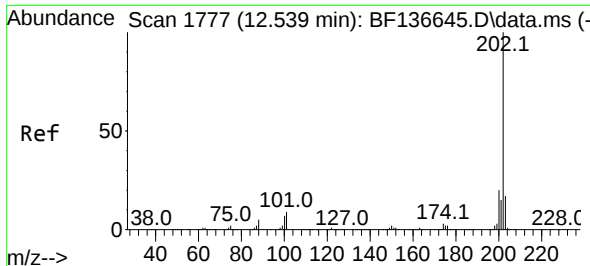
Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 12.2 9.8 14.6

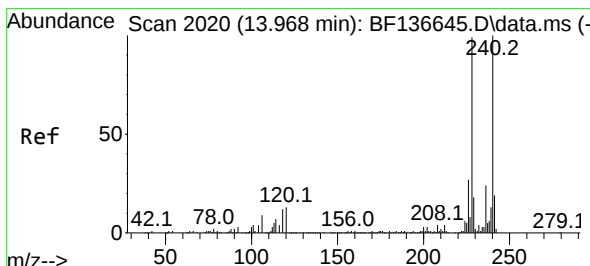
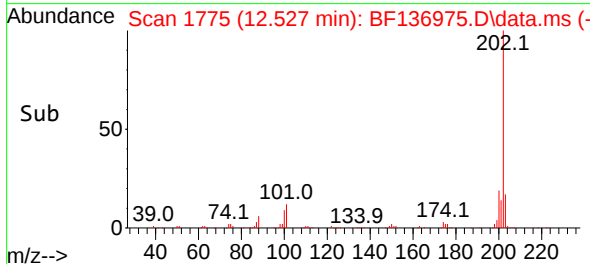
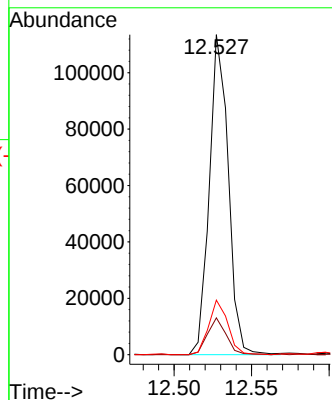
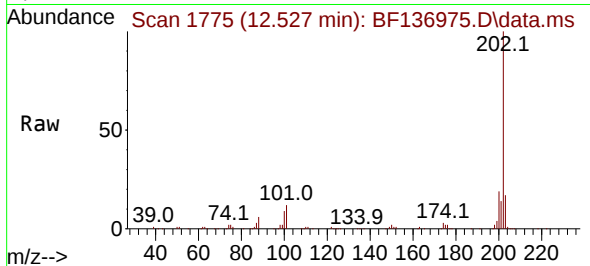




#75
Fluoranthene
Concen: 9.163 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

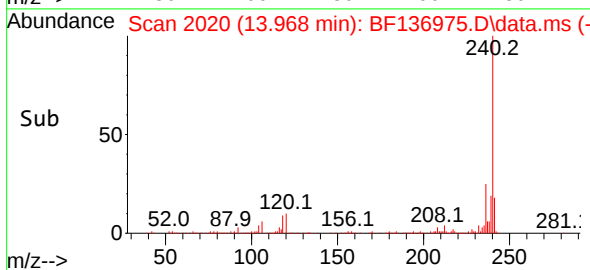
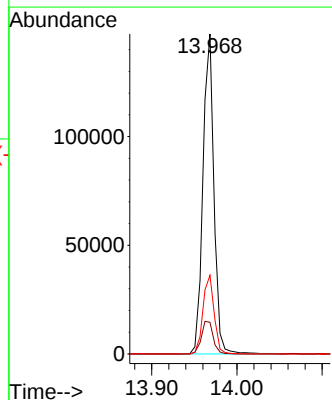
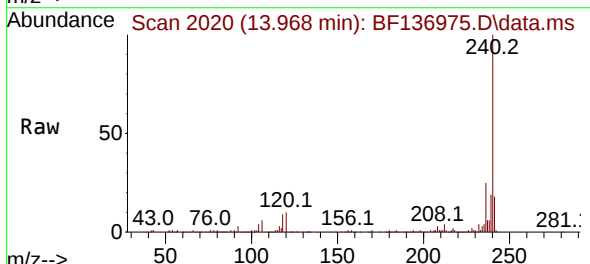
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-2-4DL2

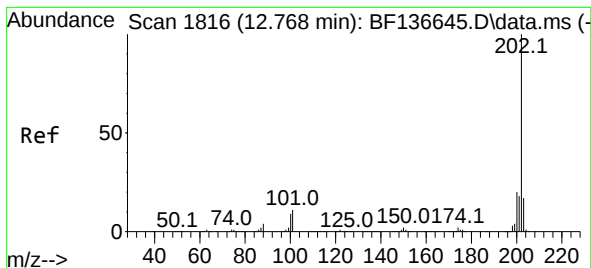
Tgt Ion:202 Resp: 96719
Ion Ratio Lower Upper
202 100
101 11.5 0.0 29.3
203 17.0 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

Tgt Ion:240 Resp: 131953
Ion Ratio Lower Upper
240 100
120 9.9 10.3 15.5#
236 24.6 19.4 29.2





#78

Pyrene

Concen: 5.061 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136975.D

Acq: 05 Jan 2024 14:49

Instrument :

BNA_F

ClientSampleId :

GHL-SS-18-2-4DL2

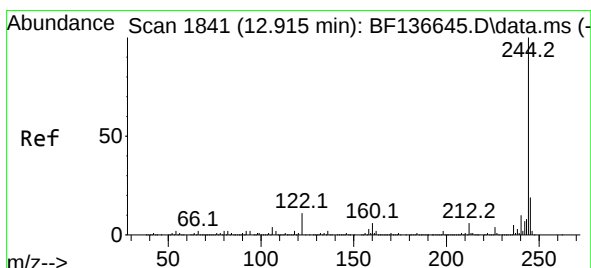
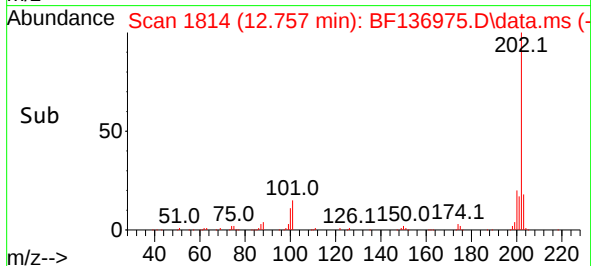
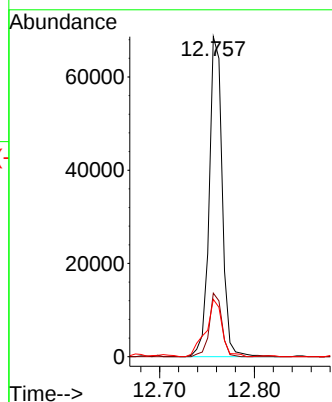
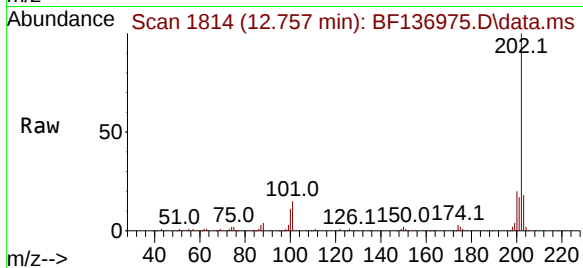
Tgt Ion:202 Resp: 65554

Ion Ratio Lower Upper

202 100

200 19.9 15.9 23.9

203 17.9 13.8 20.6



#79

Terphenyl-d14

Concen: 0.734 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136975.D

Acq: 05 Jan 2024 14:49

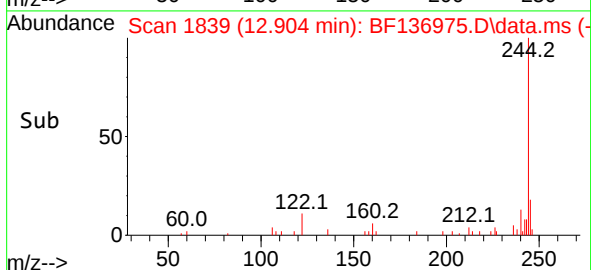
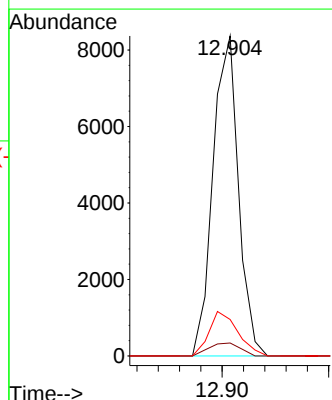
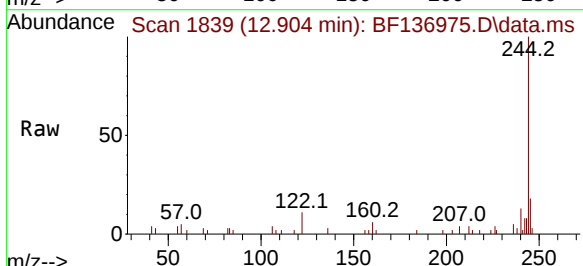
Tgt Ion:244 Resp: 6933

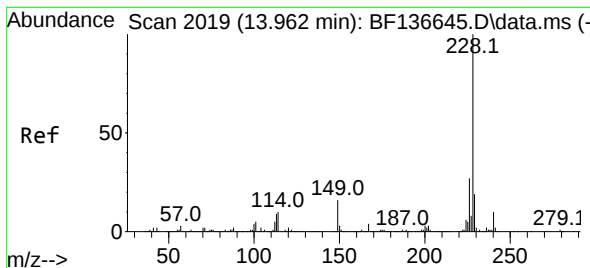
Ion Ratio Lower Upper

244 100

212 4.0 5.0 7.4#

122 11.4 9.0 13.4





#81

Benzo(a)anthracene

Concen: 2.147 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136975.D

Acq: 05 Jan 2024 14:49

Instrument :

BNA_F

ClientSampleId :

GHL-SS-18-2-4DL2

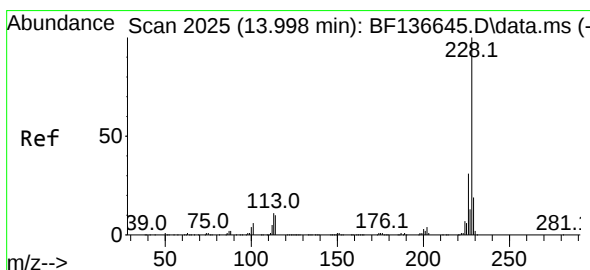
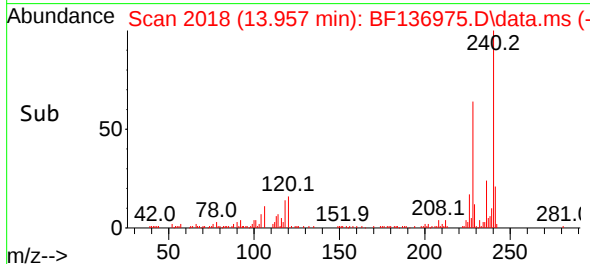
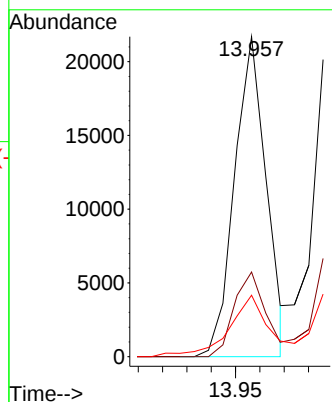
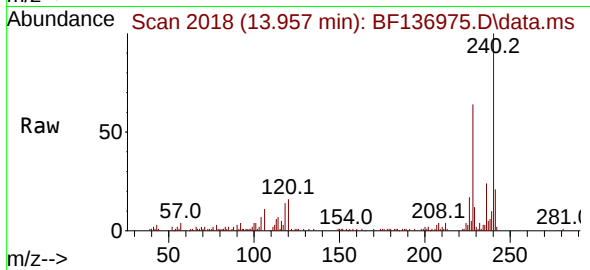
Tgt Ion:228 Resp: 19675

Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.0

229 19.2 14.9 22.3



#83

Chrysene

Concen: 4.014 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136975.D

Acq: 05 Jan 2024 14:49

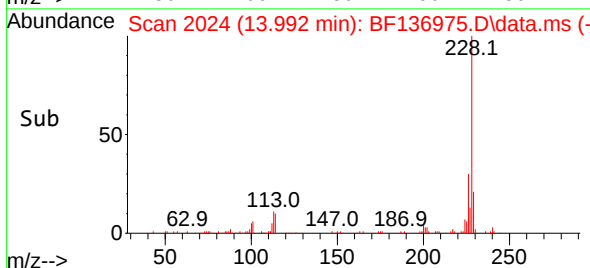
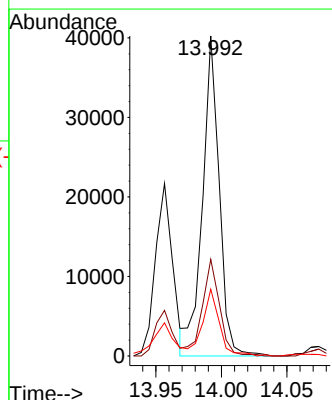
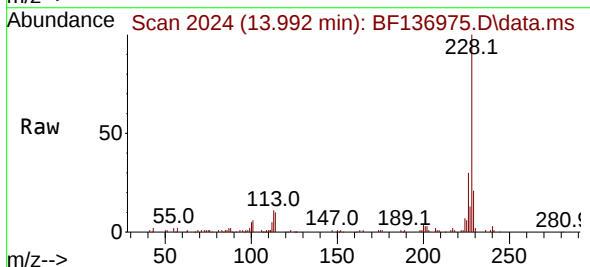
Tgt Ion:228 Resp: 35970

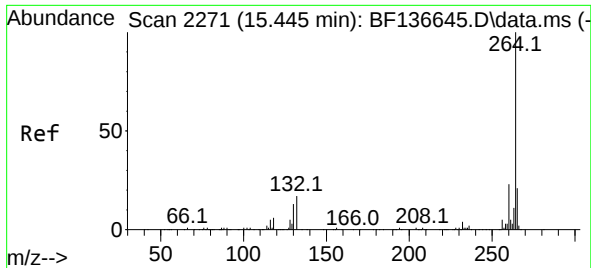
Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

229 20.9 15.4 23.0

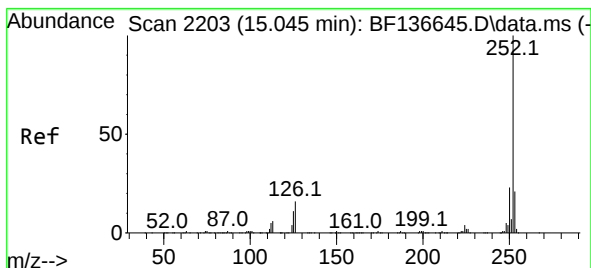
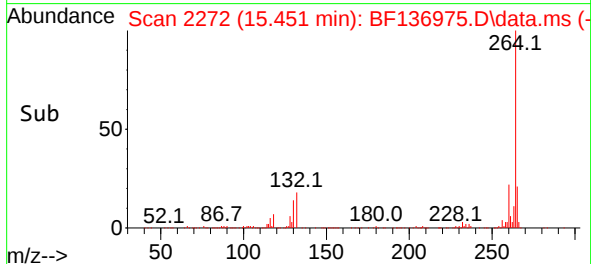
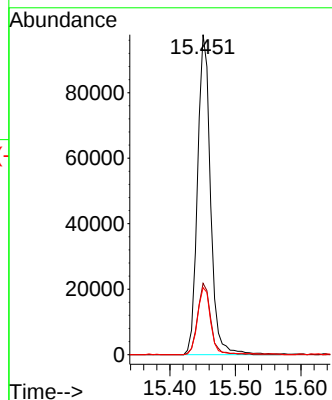
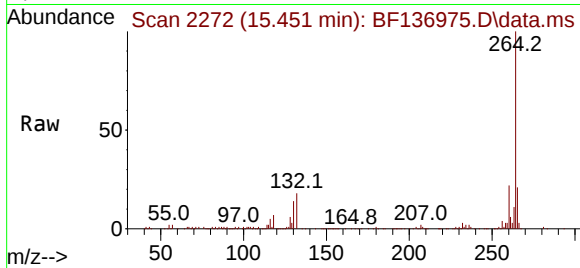




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-2-4DL2

Tgt Ion:264 Resp: 134833
Ion Ratio Lower Upper
264 100
260 22.3 18.3 27.5
265 21.0 17.0 25.6



#89
Benzo(k)fluoranthene
Concen: 2.037 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF136975.D
Acq: 05 Jan 2024 14:49

Tgt Ion:252 Resp: 17335
Ion Ratio Lower Upper
252 100
253 20.3 17.0 25.6
125 11.7 8.2 12.4

