

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136881.D
 Acq On : 02 Jan 2024 20:26
 Operator : CG\JU
 Sample : 05898-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-72a

Quant Time: Jan 03 02:04:14 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	73965	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	275088	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	134041	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	229145	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	127964	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	149177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	432944	91.329	ng	0.00
7) Phenol-d6	6.428	99	564821	91.953	ng	-0.01
23) Nitrobenzene-d5	7.345	82	355517	66.132	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	130007	82.354	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	669272	67.156	ng	-0.02
79) Terphenyl-d14	12.904	244	542808	59.279	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	46013	12.357	ng	# 73
25) Isophorone	7.345	82	354499	36.240	ng	# 65
31) Naphthalene	8.075	128	31533	2.087	ng	97
37) 2-Methylnaphthalene	8.769	142	24833	2.553	ng	96
50) Dimethylphthalate	9.527	163	19749	2.017	ng	97
51) 2,6-Dinitrotoluene	9.810	165	17292	7.782	ng	# 30
55) Dibenzofuran	10.016	168	57732	4.701	ng	98
56) 4-Nitrophenol	10.016	139	20263	12.752	ng	# 8
57) 2,4-Dinitrotoluene	9.810	165	17292	5.995	ng	# 21
58) Fluorene	10.363	166	90688	9.306	ng	98
67) 4-Bromophenyl-phenylether	10.604	248	7640	3.002	ng	# 1
71) Phenanthrene	11.327	178	232308	19.758	ng	99
72) Anthracene	11.386	178	768921	64.576	ng	99
73) Carbazole	11.539	167	244564	21.785	ng	100
75) Fluoranthene	12.521	202	66228	5.266	ng	97
78) Pyrene	12.751	202	45942	3.657	ng	97
83) Chrysene	13.986	228	27533	3.169	ng	97
84) Bis(2-ethylhexyl)phtha...	13.939	149	22181	3.857	ng	91
89) Benzo(k)fluoranthene	15.009	252	19187	2.038	ng	# 93

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

BNA F

ClientSampleId :

GHL-SS-72a

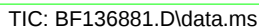
Quant Time: Jan 03 02:04:14 2024

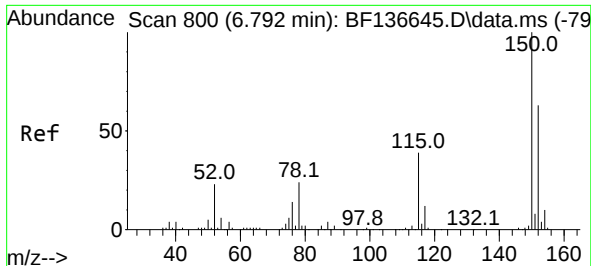
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

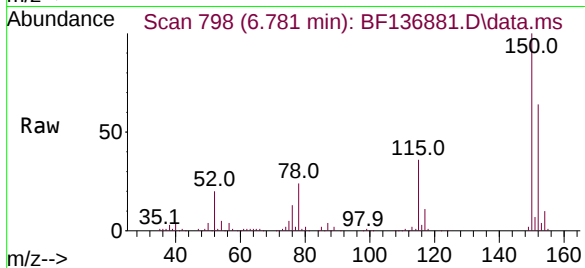
Response via : Initial Calibration



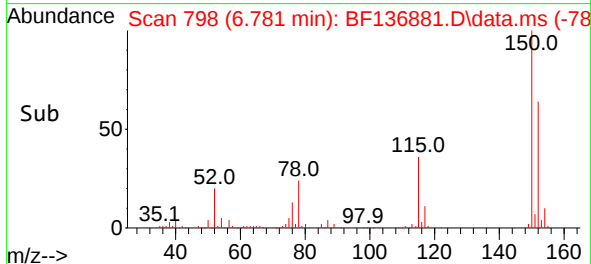
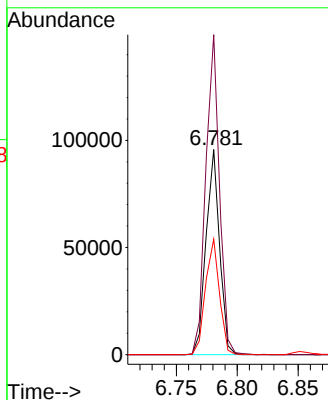


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

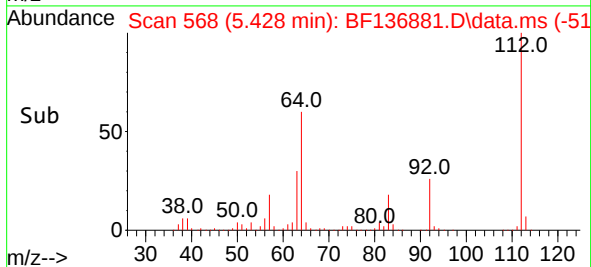
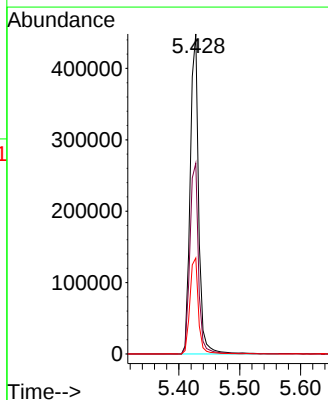
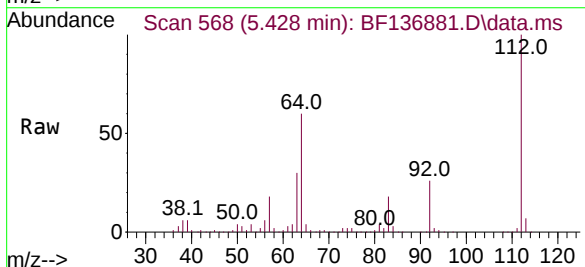


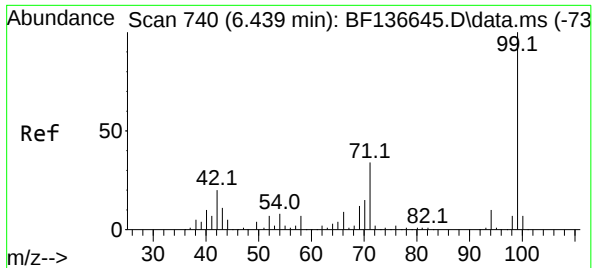
Tgt Ion:152 Resp: 73965
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 56.3 49.0 73.4



#5
2-Fluorophenol
Concen: 91.329 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:112 Resp: 432944
Ion Ratio Lower Upper
112 100
64 59.6 51.1 76.7
63 30.0 26.1 39.1

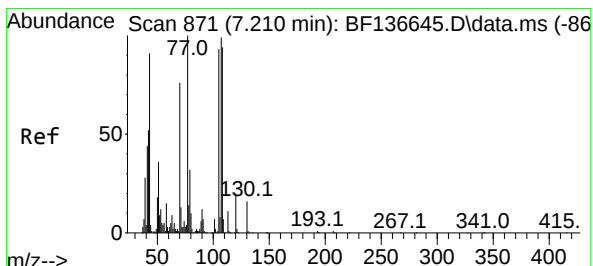
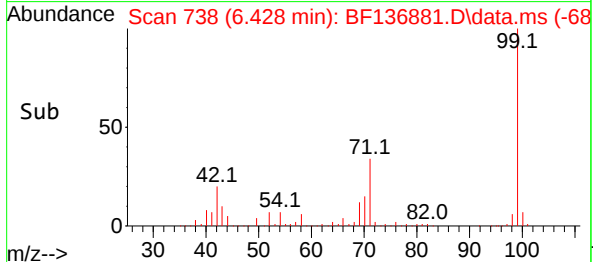
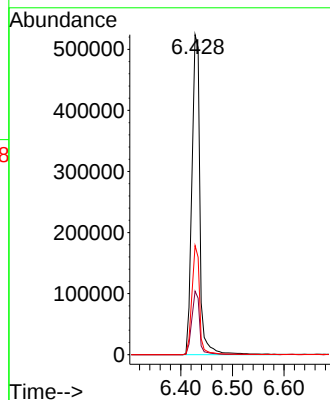
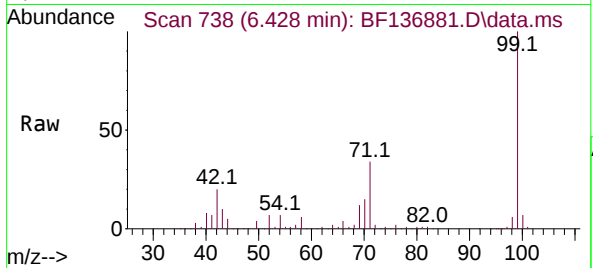




#7
Phenol-d6
Concen: 91.953 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

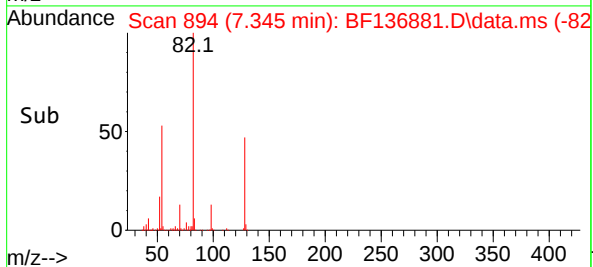
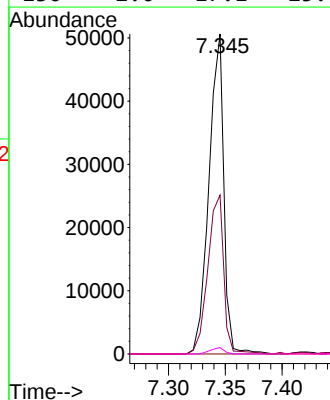
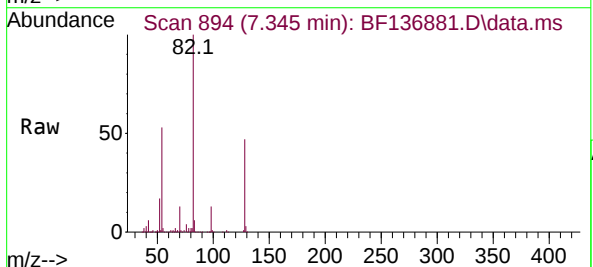
Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

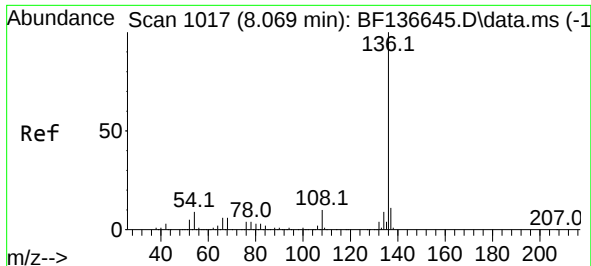
Tgt Ion: 99 Resp: 564821
Ion Ratio Lower Upper
99 100
42 19.8 16.1 24.1
71 34.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.357 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion: 70 Resp: 46013
Ion Ratio Lower Upper
70 100
42 49.7 54.2 81.4#
101 0.0 7.6 11.4#
130 2.0 17.1 25.7#



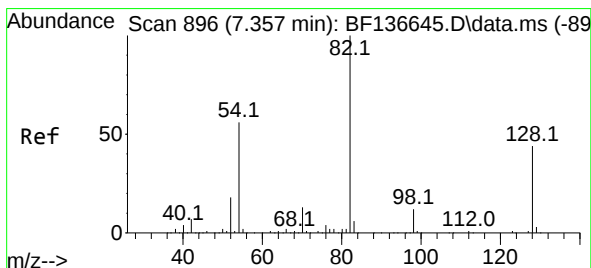
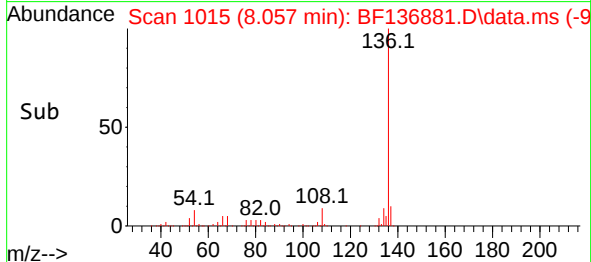
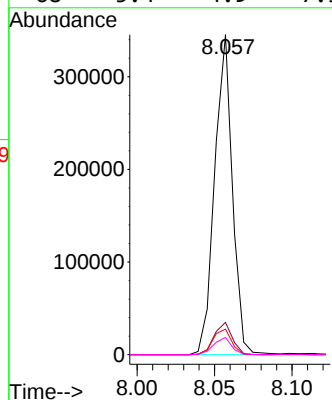
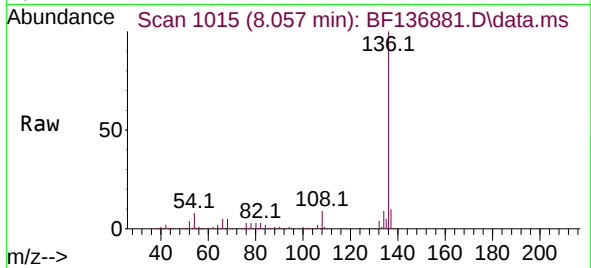


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

Tgt Ion:136 Resp: 275088

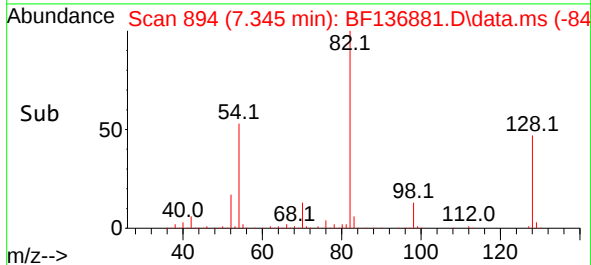
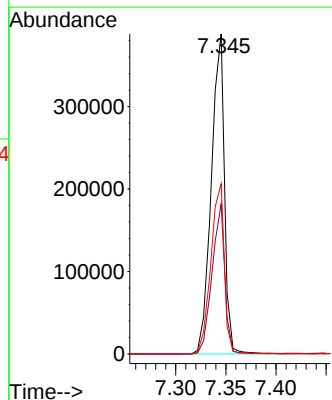
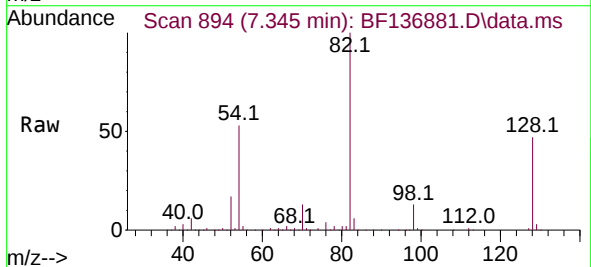
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.0	13.4
54	8.0	7.2	10.8
68	5.4	4.9	7.3



#23
Nitrobenzene-d5
Concen: 66.132 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion: 82 Resp: 355517

Ion	Ratio	Lower	Upper
82	100		
128	46.9	35.3	52.9
54	53.2	44.5	66.7

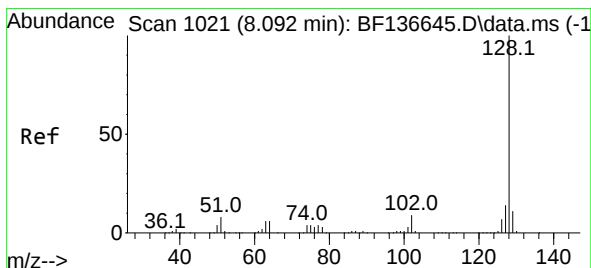
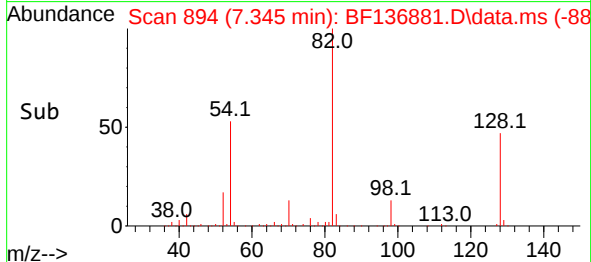
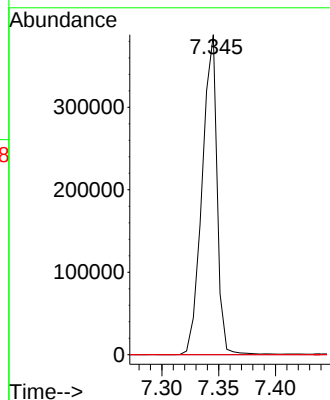
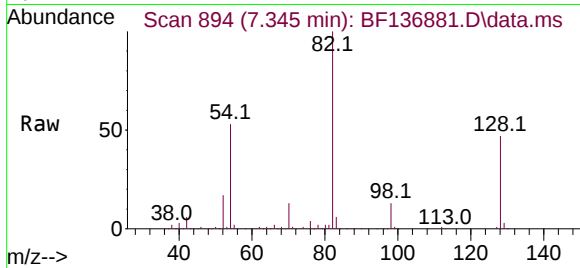




#25
Isophorone
Concen: 36.240 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

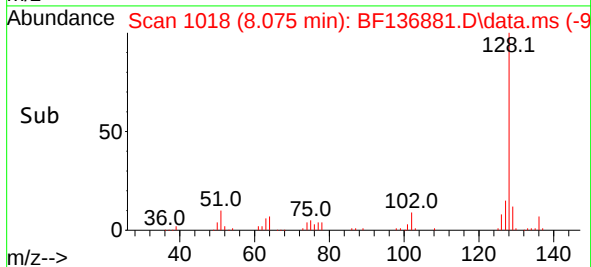
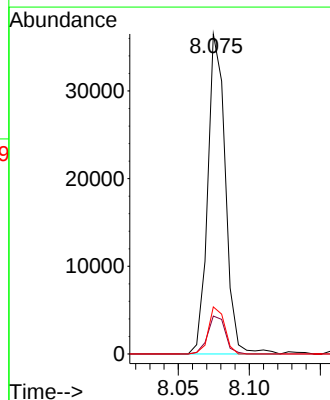
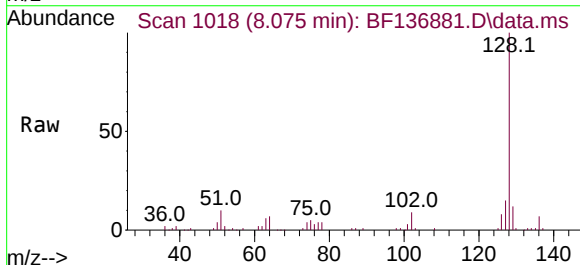
Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

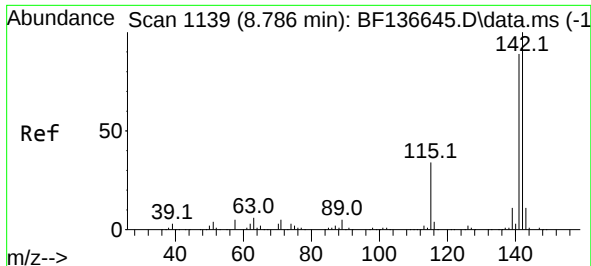
Tgt Ion: 82 Resp: 354499
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 2.087 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion: 128 Resp: 31533
Ion Ratio Lower Upper
128 100
129 11.8 8.7 13.1
127 14.7 10.8 16.2





#37

2-Methylnaphthalene

Concen: 2.553 ng

RT: 8.769 min Scan# 1139

Delta R.T. -0.018 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

Instrument :

BNA_F

ClientSampleId :

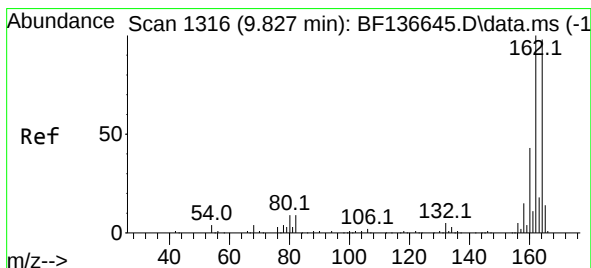
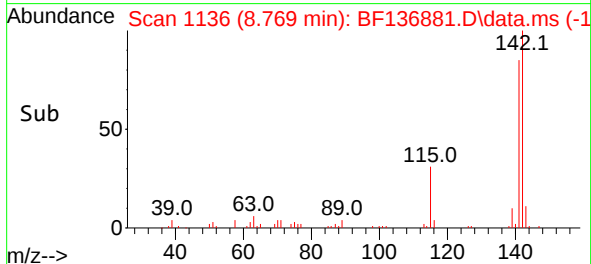
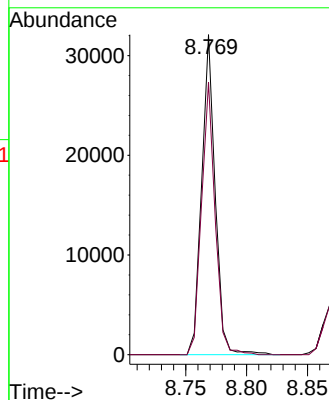
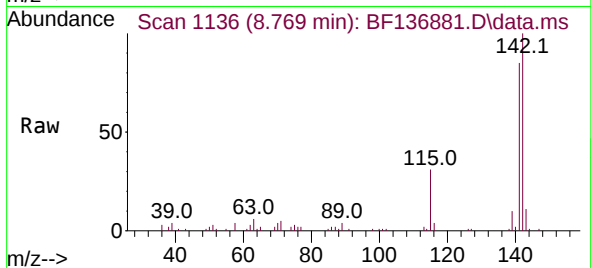
GHL-SS-72a

Tgt Ion:142 Resp: 24833

Ion Ratio Lower Upper

142 100

141 85.2 71.1 106.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.018 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

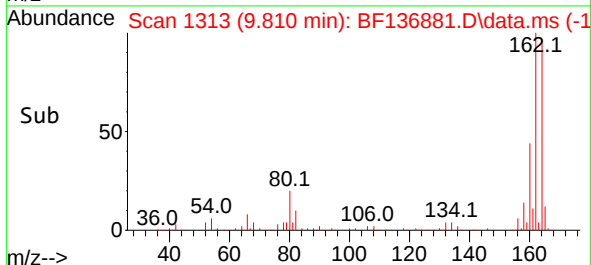
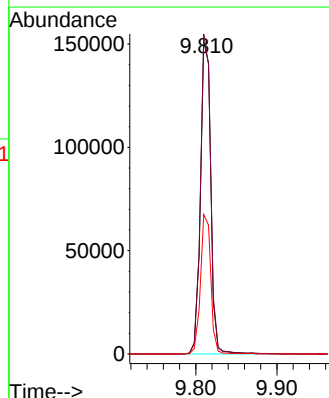
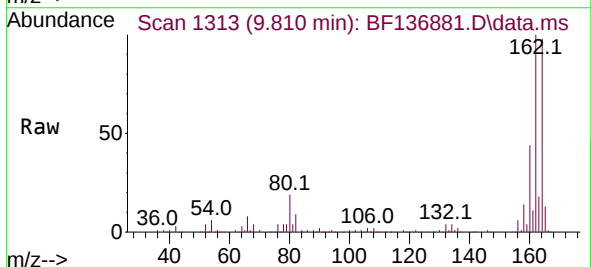
Tgt Ion:164 Resp: 134041

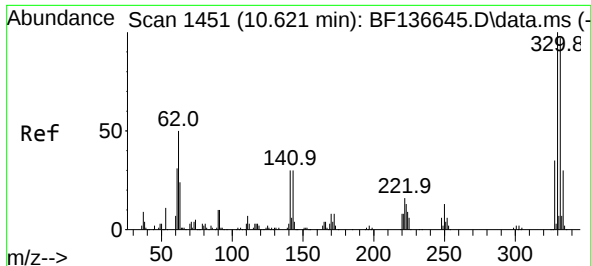
Ion Ratio Lower Upper

164 100

162 102.4 81.6 122.4

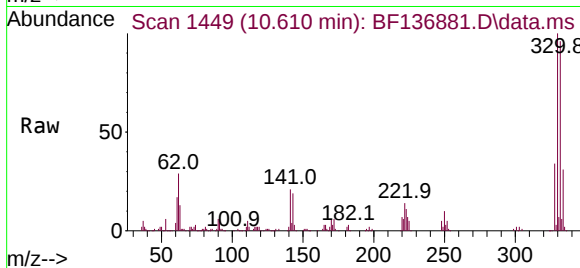
160 44.6 34.9 52.3



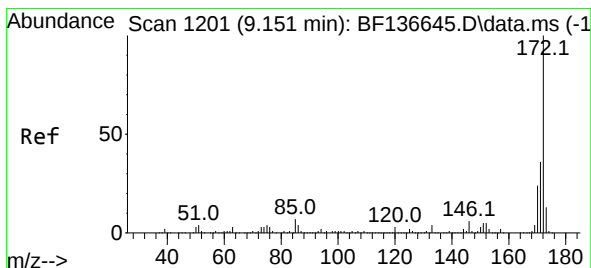
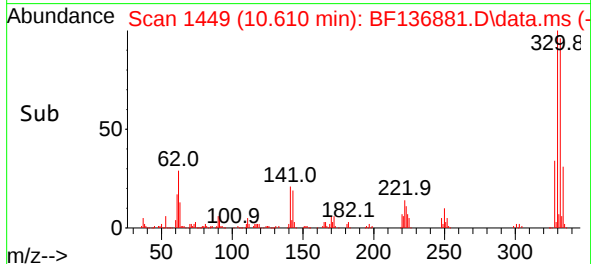
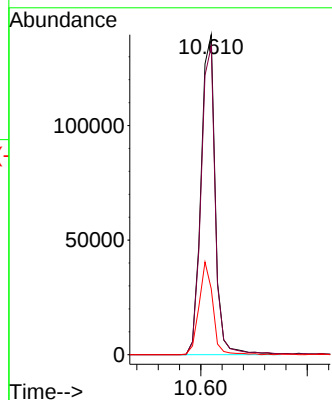


#42
2,4,6-Tribromophenol
Concen: 82.354 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

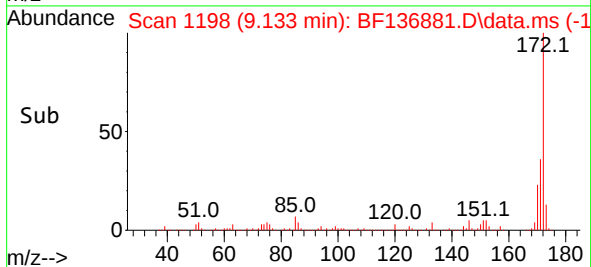
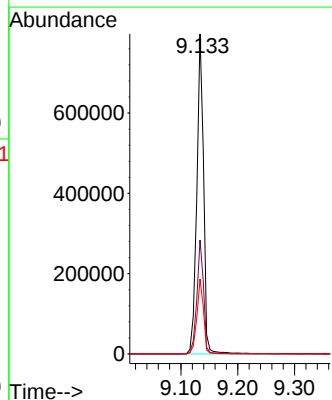
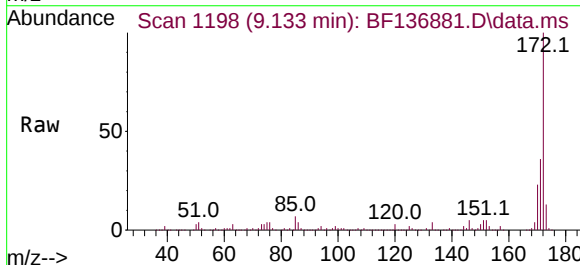


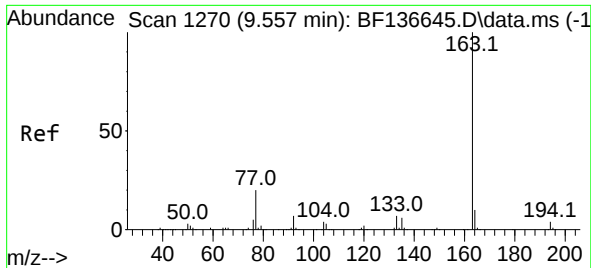
Tgt Ion:330 Resp: 130007
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 27.9 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 67.156 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:172 Resp: 669272
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.6
170 23.4 19.0 28.4

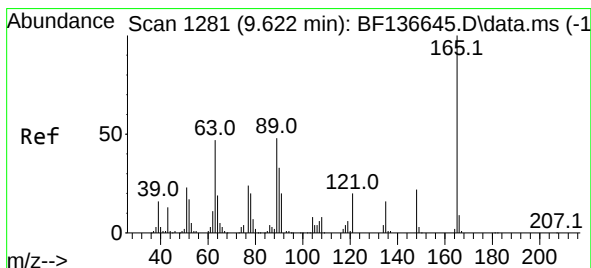
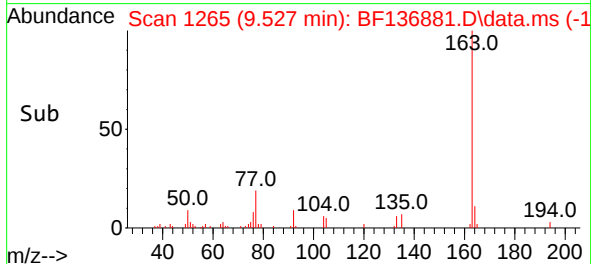
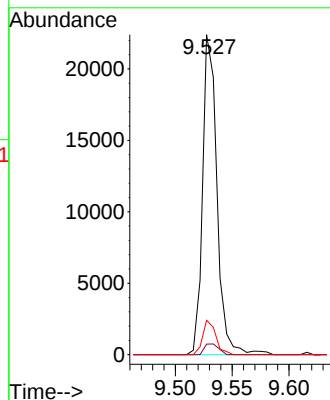
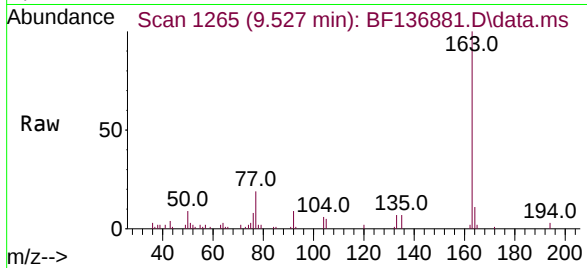




#50
Dimethylphthalate
Concen: 2.017 ng
RT: 9.527 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

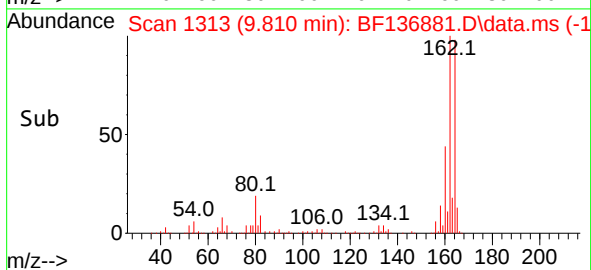
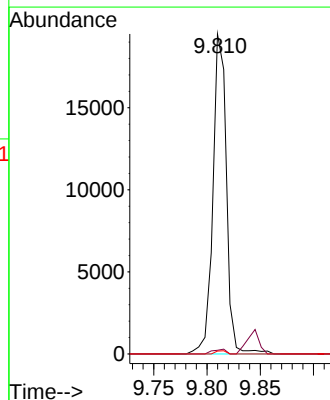
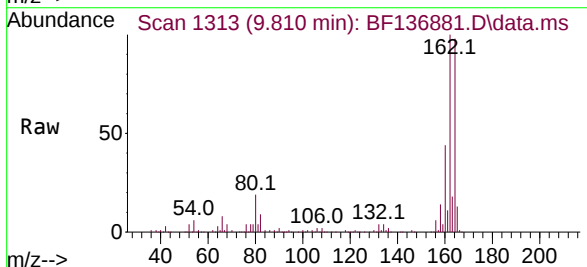
Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

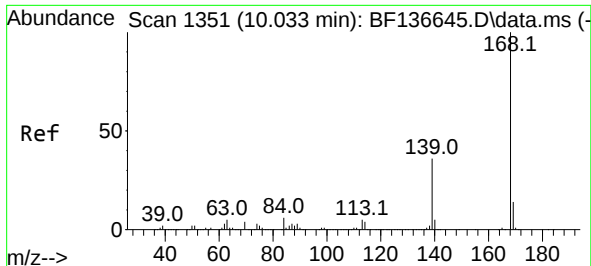
Tgt Ion:163 Resp: 19749
Ion Ratio Lower Upper
163 100
194 3.3 3.3 4.9
164 10.7 7.8 11.6



#51
2,6-Dinitrotoluene
Concen: 7.782 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.188 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:165 Resp: 17292
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 0.9 38.8 58.2#

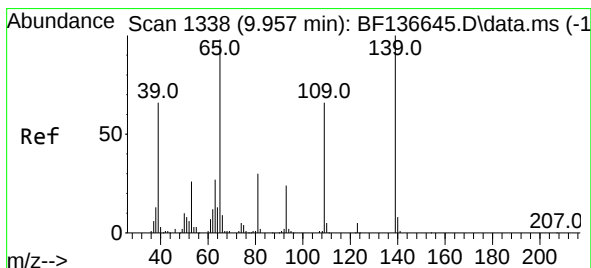
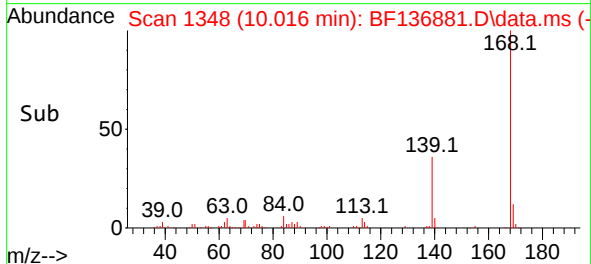
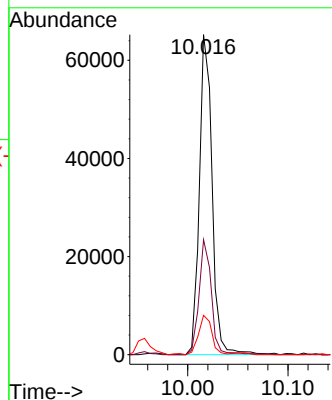
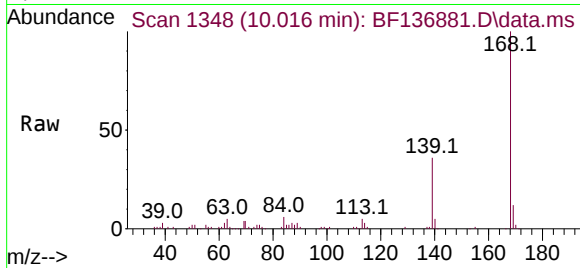




#55
Dibenzenofuran
Concen: 4.701 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

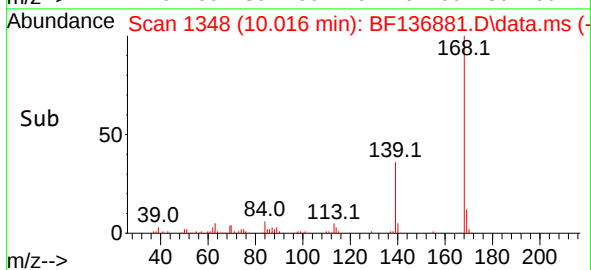
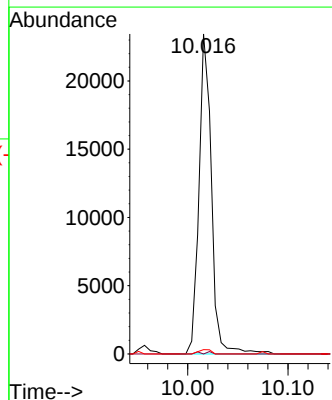
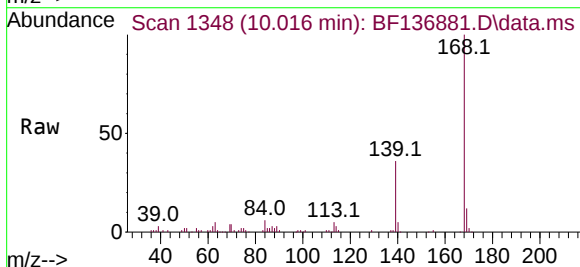
Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

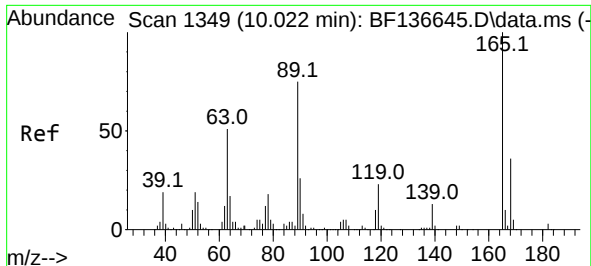
Tgt Ion:168 Resp: 57732
Ion Ratio Lower Upper
168 100
139 35.9 29.3 43.9
169 12.3 11.0 16.4



#56
4-Nitrophenol
Concen: 12.752 ng
RT: 10.016 min Scan# 1348
Delta R.T. 0.059 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

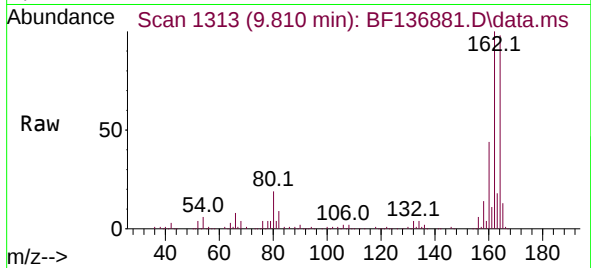
Tgt Ion:139 Resp: 20263
Ion Ratio Lower Upper
139 100
109 0.0 45.8 85.8#
65 1.3 77.8 117.8#



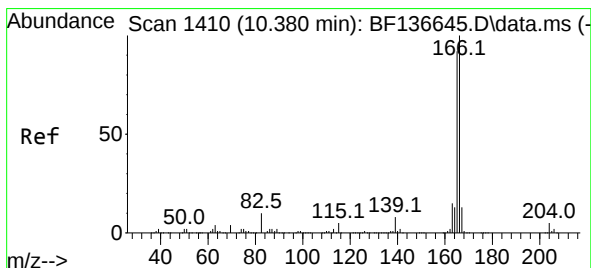
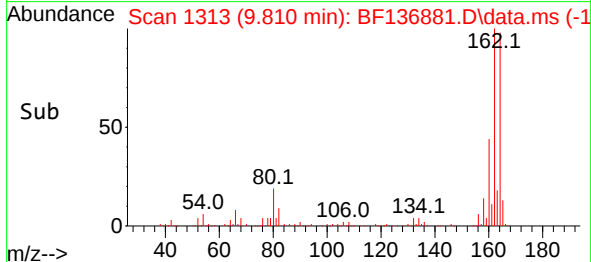
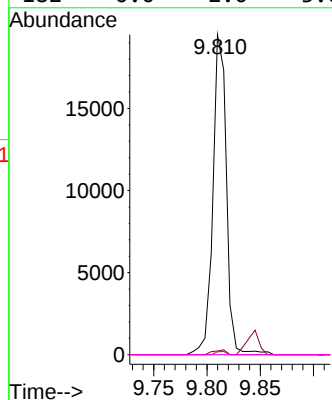


#57
2,4-Dinitrotoluene
Concen: 5.995 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

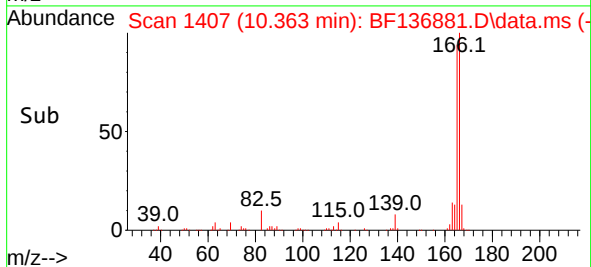
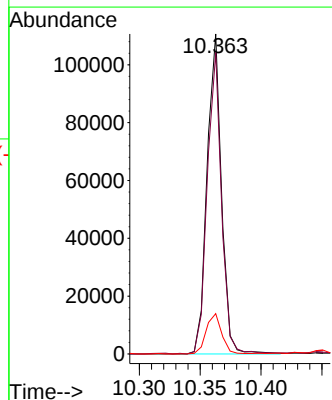
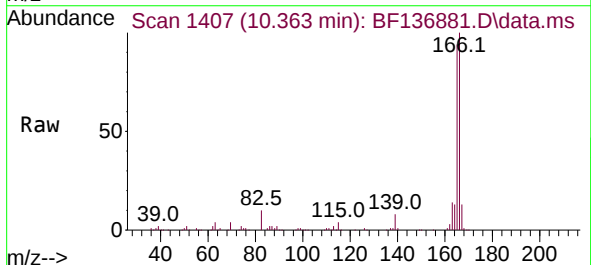


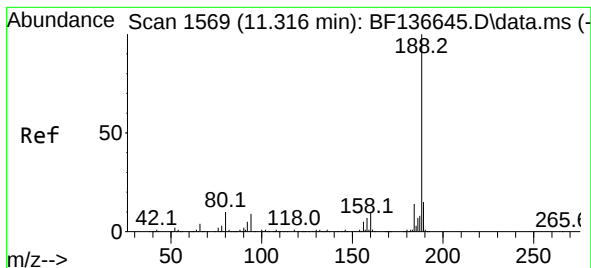
Tgt Ion:165 Resp: 17292
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.6#
89 0.9 59.9 89.9#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 9.306 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:166 Resp: 90688
Ion Ratio Lower Upper
166 100
165 94.1 73.7 110.5
167 12.6 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

Instrument :

BNA_F

ClientSampleId :

GHL-SS-72a

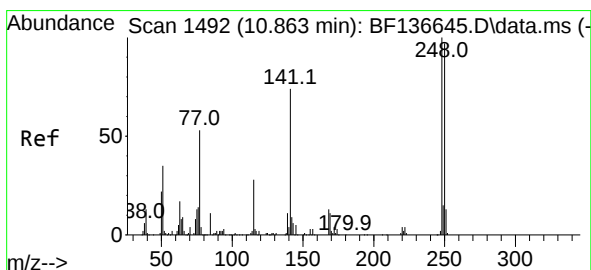
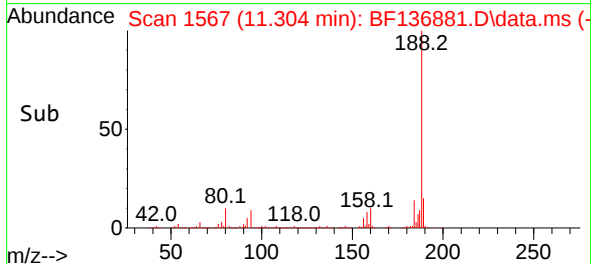
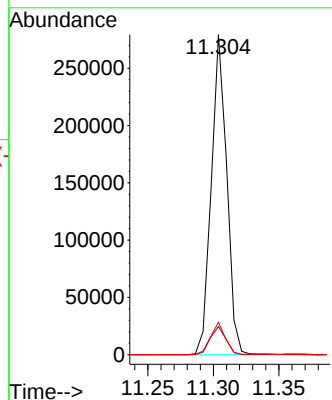
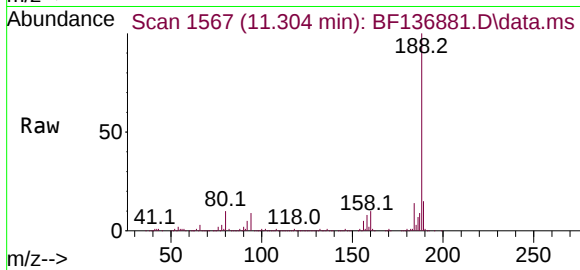
Tgt Ion:188 Resp: 229145

Ion Ratio Lower Upper

188 100

94 8.8 7.5 11.3

80 10.1 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.002 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.259 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

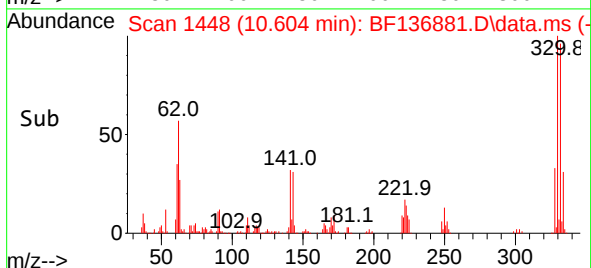
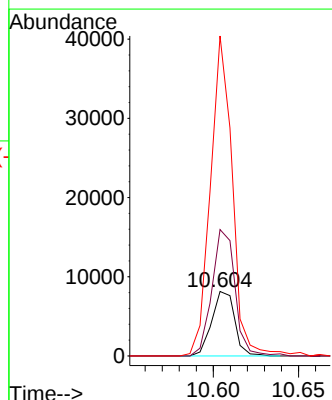
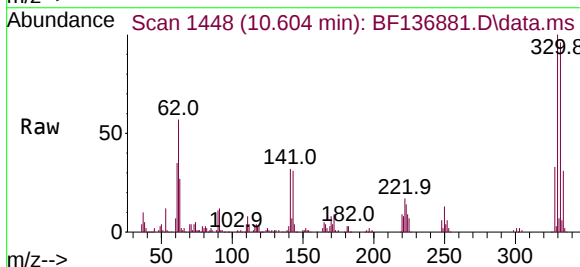
Tgt Ion:248 Resp: 7640

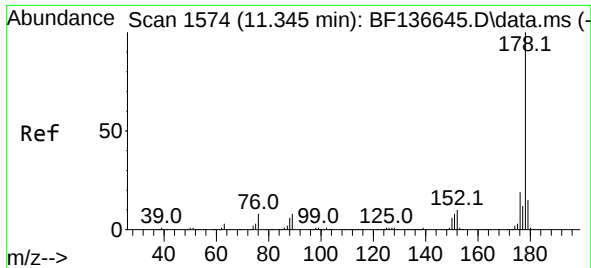
Ion Ratio Lower Upper

248 100

250 196.1 77.8 116.6#

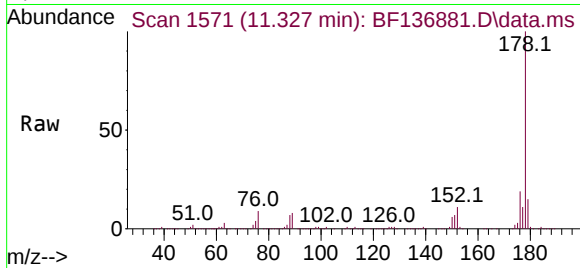
141 496.3 59.2 88.8#



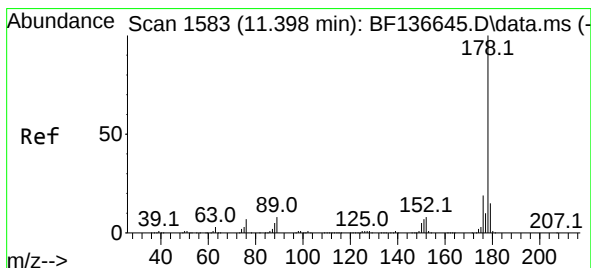
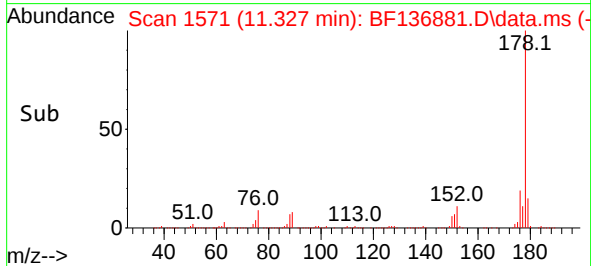
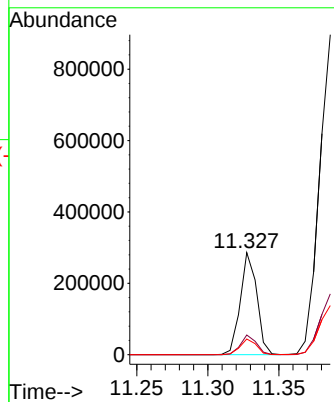


#71
Phenanthrene
Concen: 19.758 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

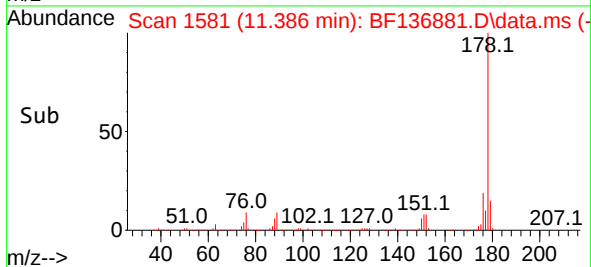
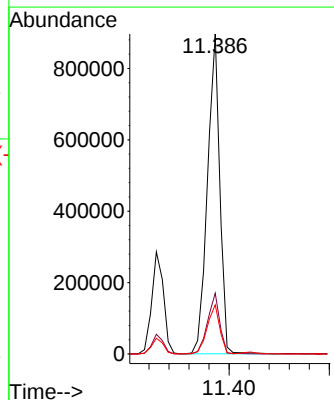
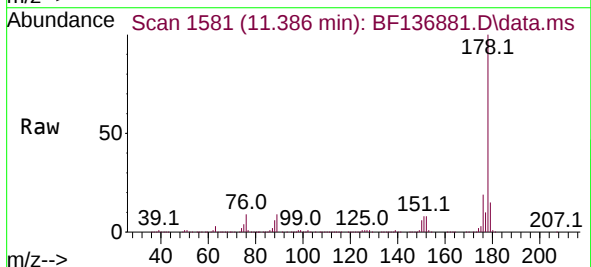


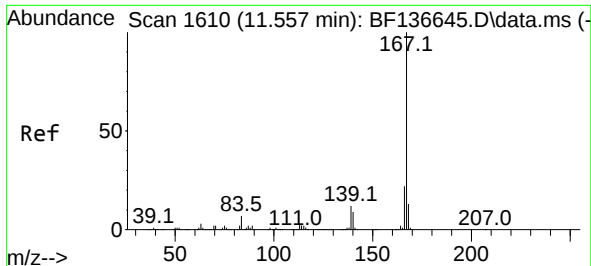
Tgt Ion:178 Resp: 232308
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 11.9 17.9



#72
Anthracene
Concen: 64.576 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

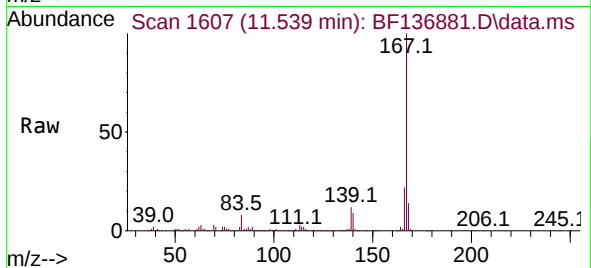
Tgt Ion:178 Resp: 768921
Ion Ratio Lower Upper
178 100
176 19.0 14.9 22.3
179 15.3 11.8 17.6



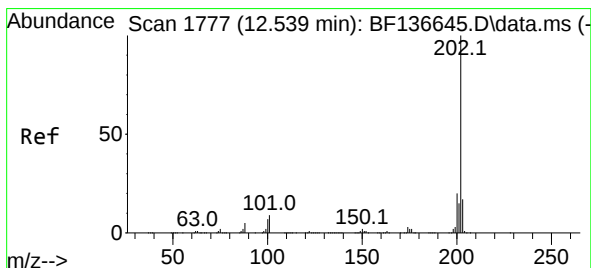
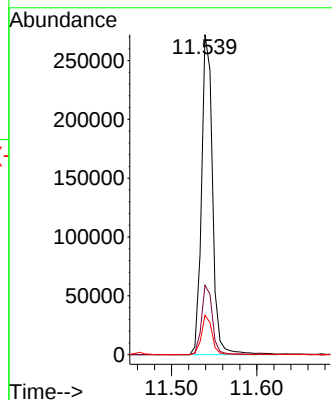
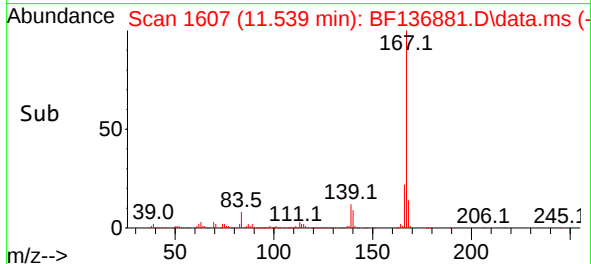


#73
Carbazole
Concen: 21.785 ng
RT: 11.539 min Scan# 1607
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

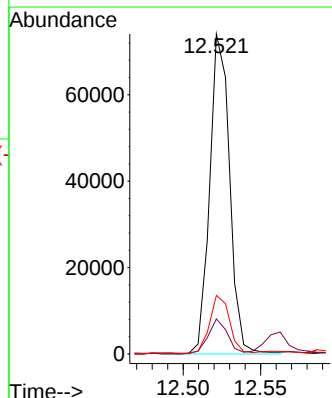
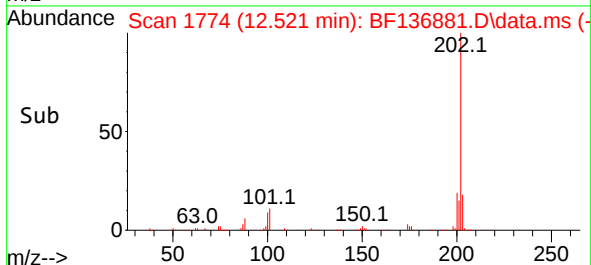
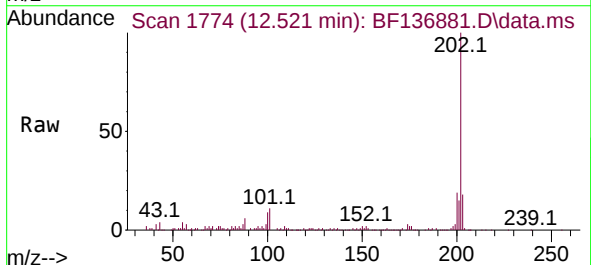


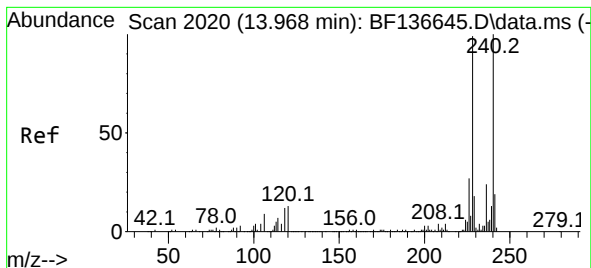
Tgt Ion:167 Resp: 244564
Ion Ratio Lower Upper
167 100
166 21.7 17.3 25.9
139 12.3 9.8 14.6



#75
Fluoranthene
Concen: 5.266 ng
RT: 12.521 min Scan# 1774
Delta R.T. -0.018 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:202 Resp: 66228
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.3
203 18.3 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: BF136881.D

Acq: 02 Jan 2024 20:26

Instrument :

BNA_F

ClientSampleId :

GHL-SS-72a

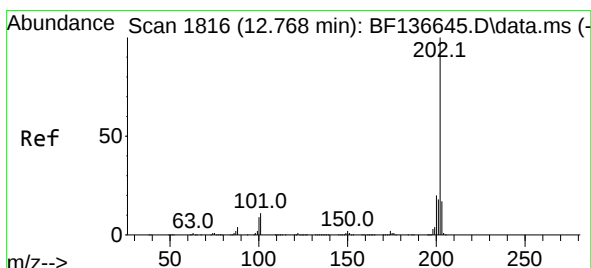
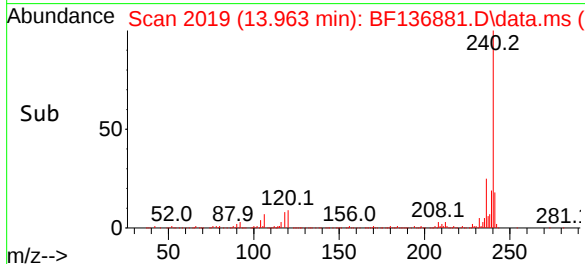
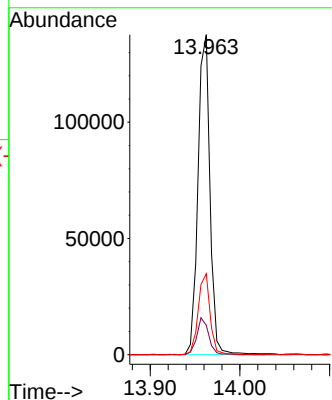
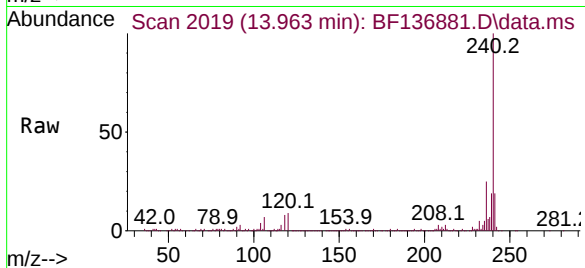
Tgt Ion:240 Resp: 127964

Ion Ratio Lower Upper

240 100

120 9.2 10.3 15.5#

236 25.3 19.4 29.2



#78

Pyrene

Concen: 3.657 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.018 min

Lab File: BF136881.D

Acq: 02 Jan 2024 20:26

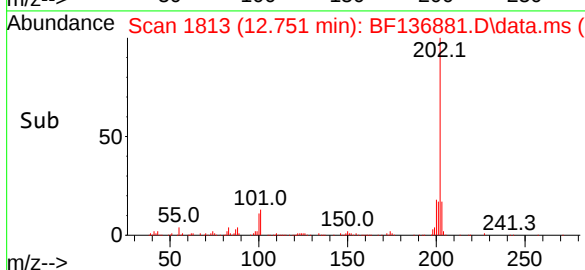
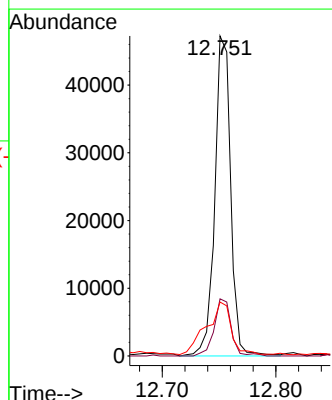
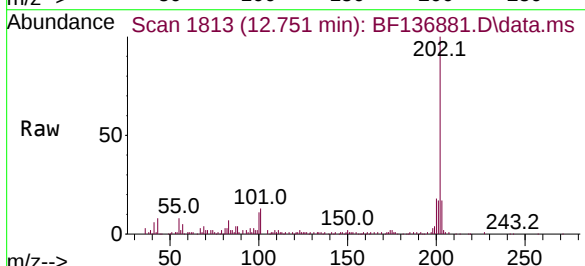
Tgt Ion:202 Resp: 45942

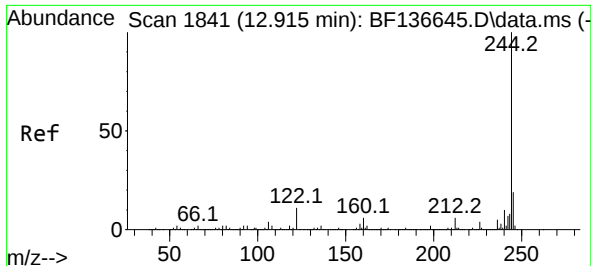
Ion Ratio Lower Upper

202 100

200 17.8 15.9 23.9

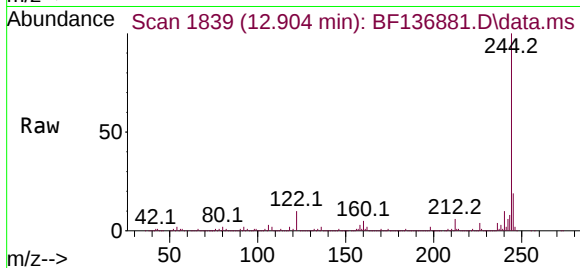
203 16.9 13.8 20.6



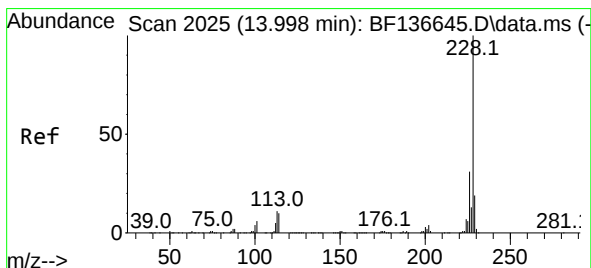
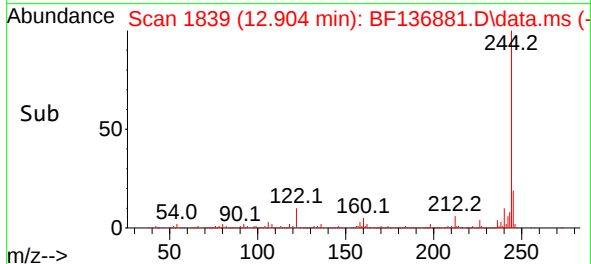
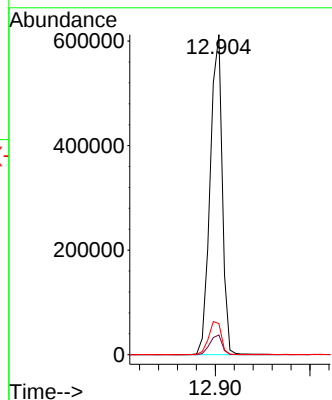


#79
Terphenyl-d14
Concen: 59.279 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

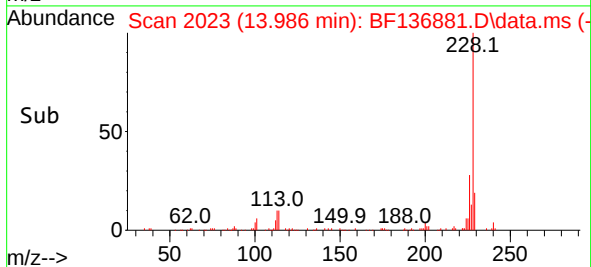
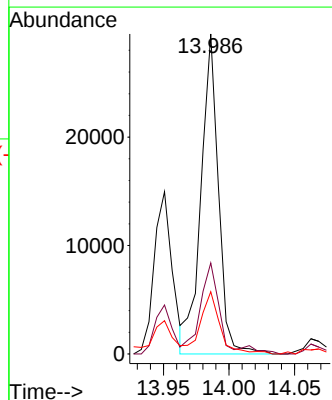
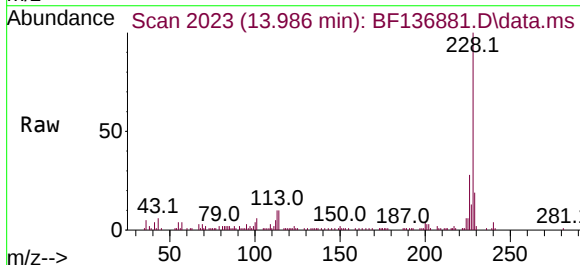


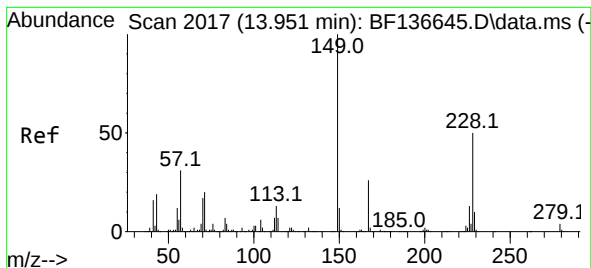
Tgt Ion:244 Resp: 542808
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.4
122 9.7 9.0 13.4



#83
Chrysene
Concen: 3.169 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:228 Resp: 27533
Ion Ratio Lower Upper
228 100
226 28.4 24.7 37.1
229 19.4 15.4 23.0

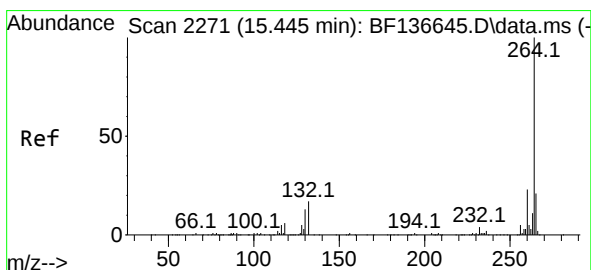
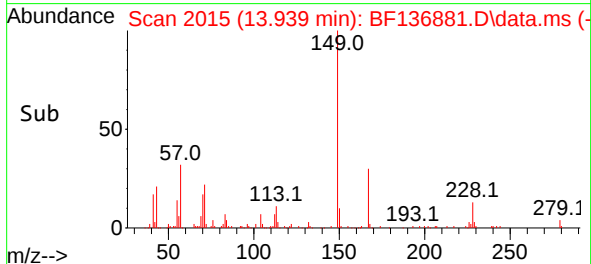
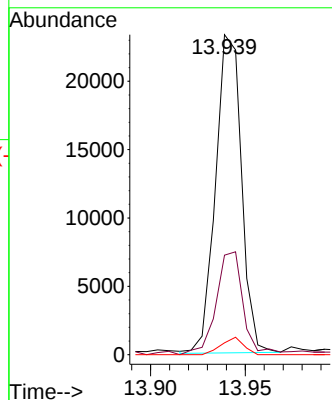
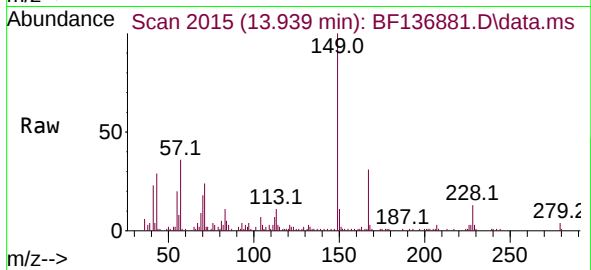




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.857 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

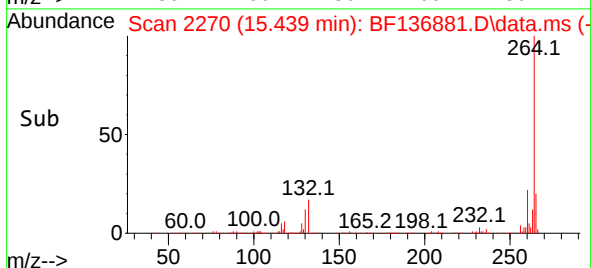
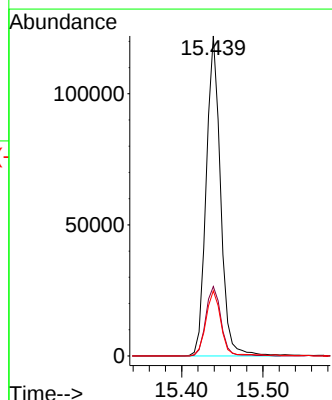
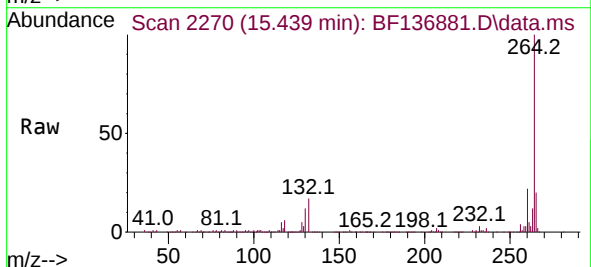
Instrument :
BNA_F
ClientSampleId :
GHL-SS-72a

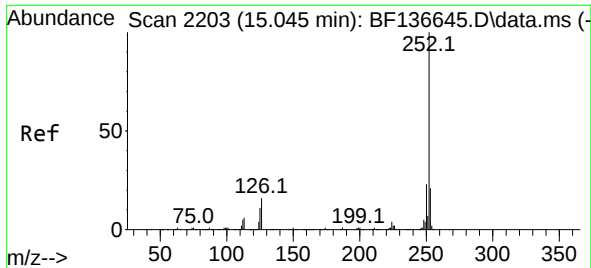
Tgt Ion:149 Resp: 22181
Ion Ratio Lower Upper
149 100
167 31.1 20.9 31.3
279 3.7 2.9 4.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF136881.D
Acq: 02 Jan 2024 20:26

Tgt Ion:264 Resp: 149177
Ion Ratio Lower Upper
264 100
260 21.7 18.3 27.5
265 20.4 17.0 25.6





#89

Benzo(k)fluoranthene

Concen: 2.038 ng

RT: 15.009 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136881.D

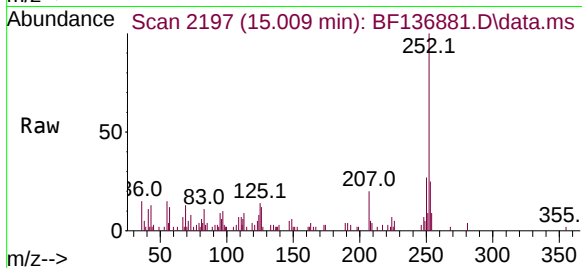
Acq: 02 Jan 2024 20:26

Instrument :

BNA_F

ClientSampleId :

GHL-SS-72a



Tgt Ion:252 Resp: 19187

Ion Ratio Lower Upper

252 100

253 24.6 17.0 25.6

125 13.5 8.2 12.4#

