

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072423\
 Data File : BF134451.D
 Acq On : 25 Jul 2023 03:08
 Operator : CG\JU
 Sample : 03652-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP18

Quant Time: Jul 25 04:59:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

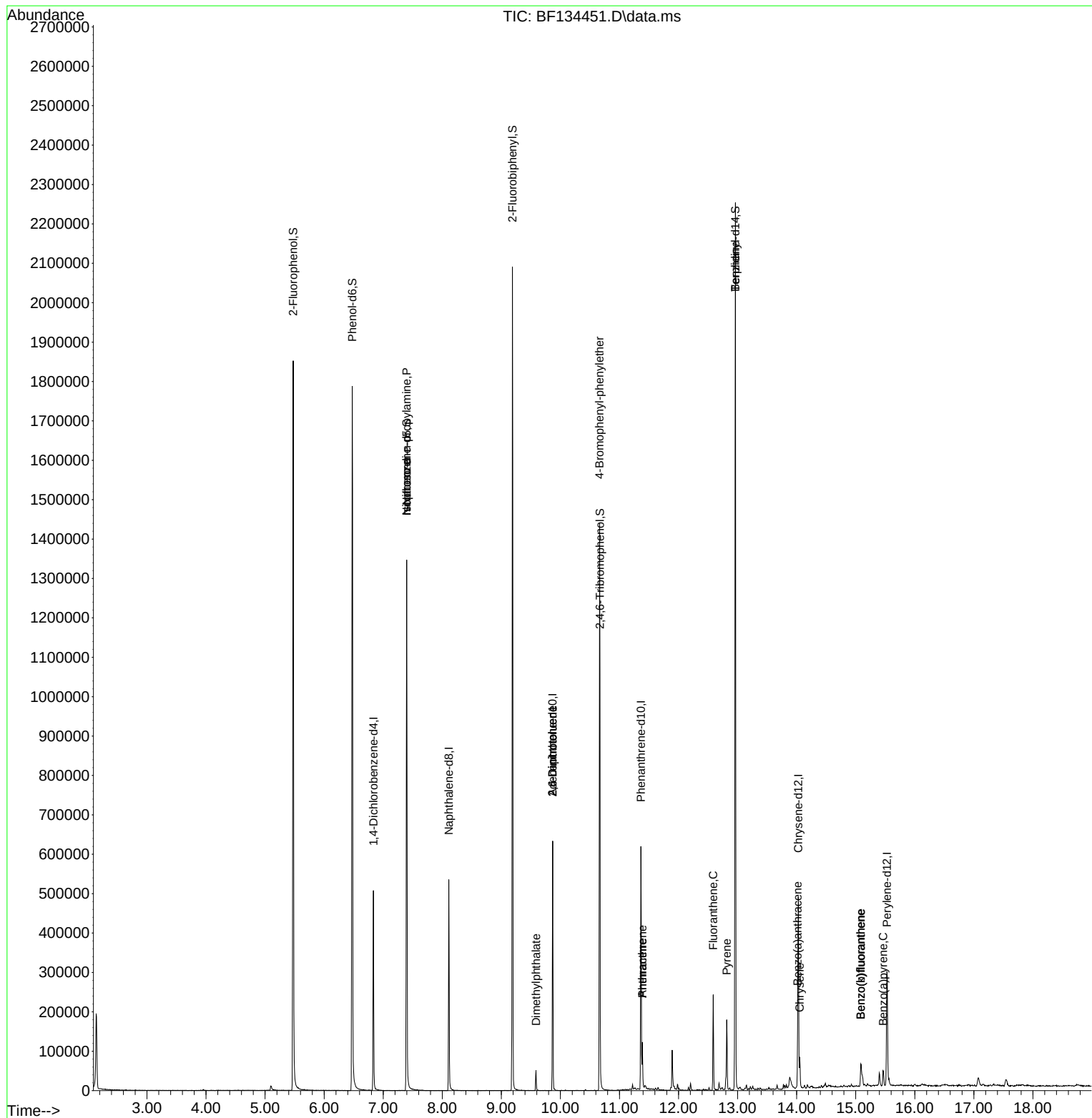
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	69475	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	215747	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	108158	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	215870	20.000	ng	0.00
76) Chrysene-d12	14.027	240	153086	20.000	ng	0.00
86) Perylene-d12	15.527	264	149309	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	474848	112.924	ng	0.00
7) Phenol-d6	6.475	99	600008	116.462	ng	0.00
23) Nitrobenzene-d5	7.398	82	389621	91.369	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	181581	118.161	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	595302	72.256	ng	0.00
79) Terphenyl-d14	12.963	244	759657	86.625	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	53942	16.819	ng	# 76
25) Isophorone	7.398	82	389621	54.823	ng	# 65
50) Dimethylphthalate	9.586	163	20253	2.526	ng	99
51) 2,6-Dinitrotoluene	9.869	165	13632	7.749	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	13632	5.769	ng	# 18
67) 4-Bromophenyl-phenylether	10.663	248	10711	4.529	ng	# 1
71) Phenanthrene	11.386	178	39300	3.484	ng	98
72) Anthracene	11.386	178	39300	3.376	ng	98
75) Fluoranthene	12.586	202	91672	6.974	ng	99
77) Benzidine	12.963	184	10794	3.302	ng	# 93
78) Pyrene	12.816	202	73216	6.015	ng	99
81) Benzo(a)anthracene	14.016	228	24247	2.270	ng	100
83) Chrysene	14.051	228	29340	2.872	ng	97
88) Benzo(b)fluoranthene	15.086	252	45410	4.861	ng	100
89) Benzo(k)fluoranthene	15.086	252	45410	4.943	ng	99
90) Benzo(a)pyrene	15.463	252	21007	2.433	ng	# 94

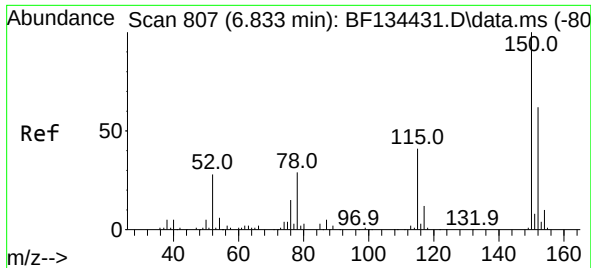
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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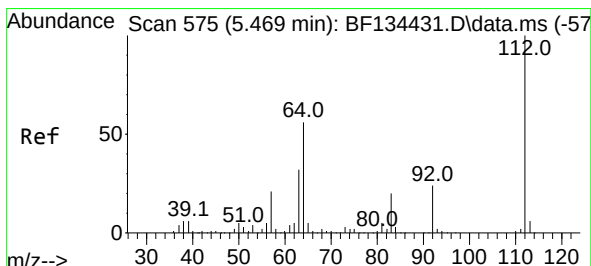
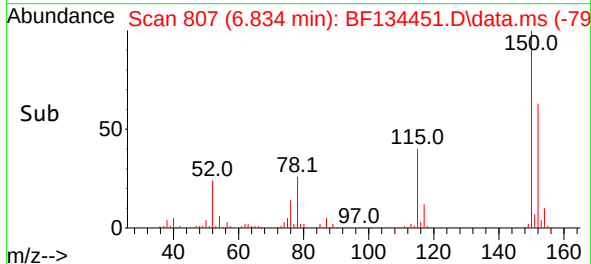
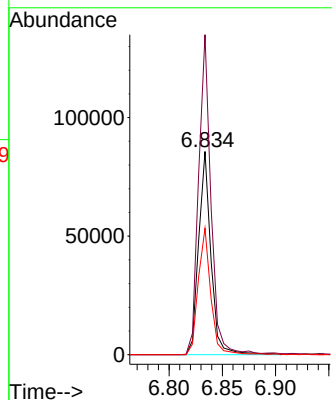
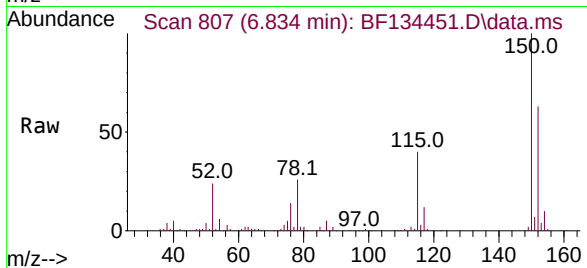




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. 0.001 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

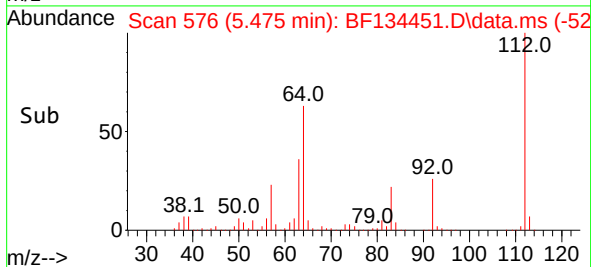
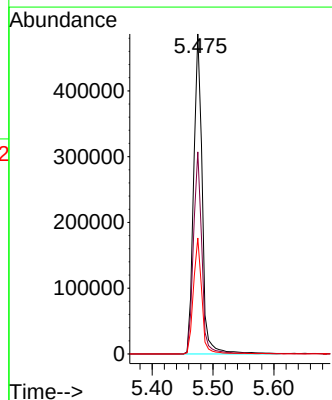
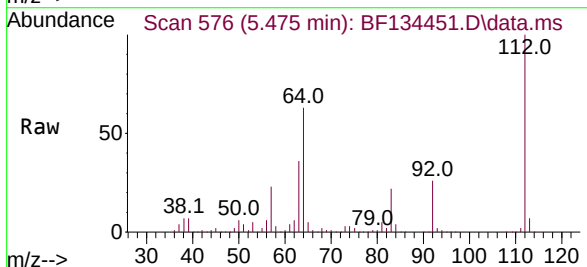
Instrument :
BNA_F
ClientSampleId :
TP18

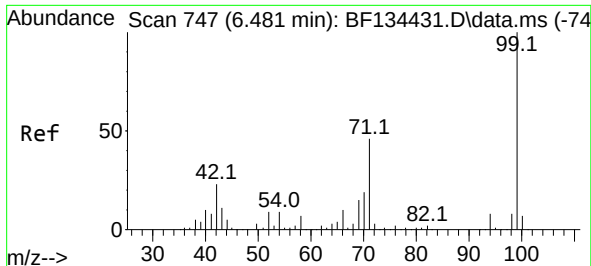
Tgt Ion:152 Resp: 69475
Ion Ratio Lower Upper
152 100
150 157.5 128.3 192.5
115 62.2 52.4 78.6



#5
2-Fluorophenol
Concen: 112.924 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

Tgt Ion:112 Resp: 474848
Ion Ratio Lower Upper
112 100
64 63.1 44.9 67.3
63 36.2 25.4 38.0

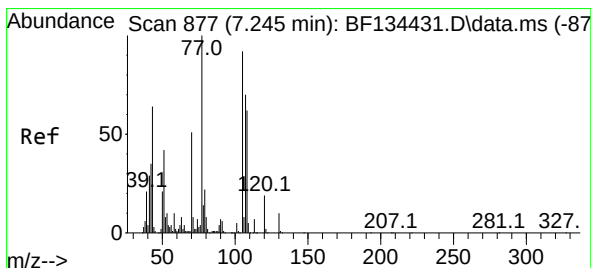
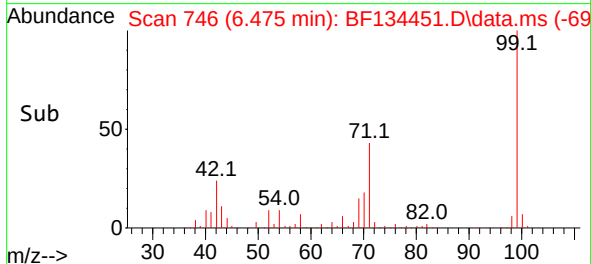
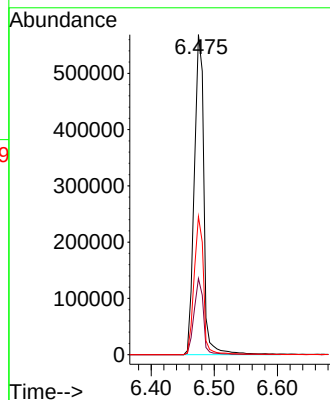
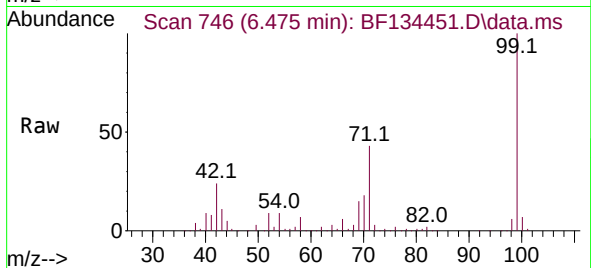




#7
Phenol-d6
Concen: 116.462 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

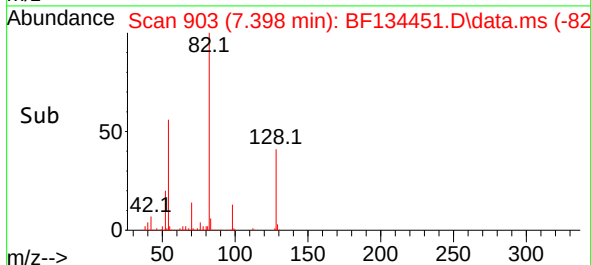
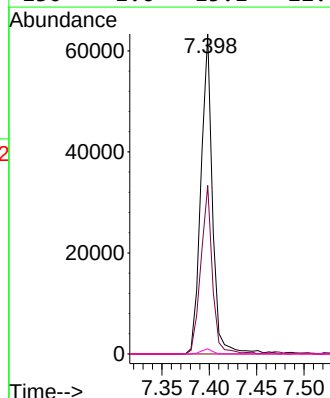
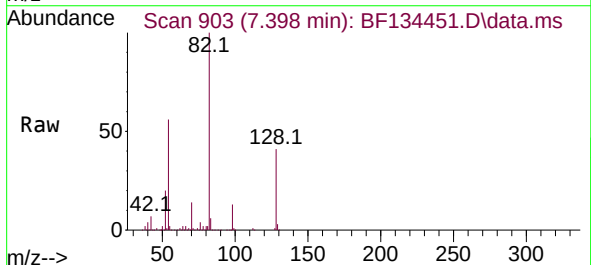
Instrument :
BNA_F
ClientSampleId :
TP18

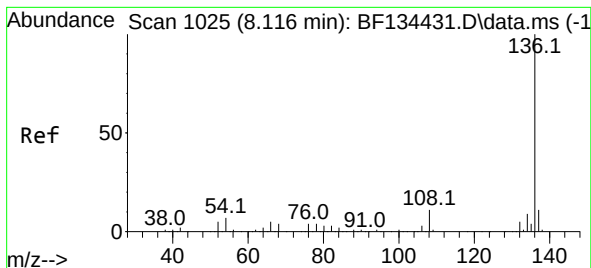
Tgt Ion: 99 Resp: 600008
Ion Ratio Lower Upper
99 100
42 23.8 18.7 28.1
71 43.1 36.4 54.6



#19
n-Nitroso-di-n-propylamine
Concen: 16.819 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.153 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

Tgt Ion: 70 Resp: 53942
Ion Ratio Lower Upper
70 100
42 52.7 54.7 82.1#
101 0.0 8.2 12.2#
130 1.6 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

Instrument :

BNA_F

ClientSampleId :

TP18

Tgt Ion:136 Resp: 215747

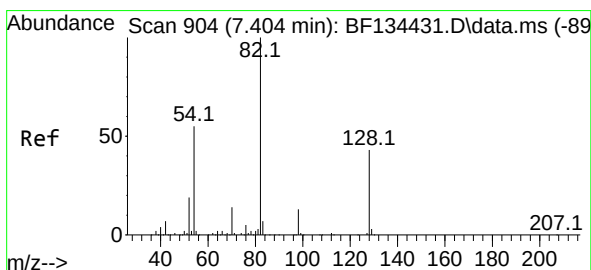
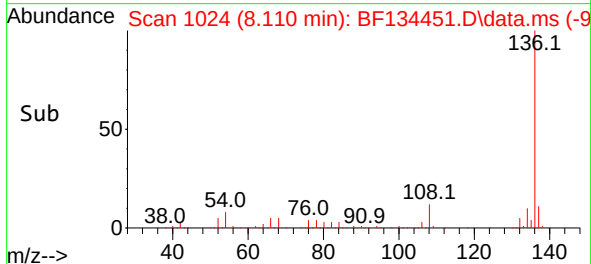
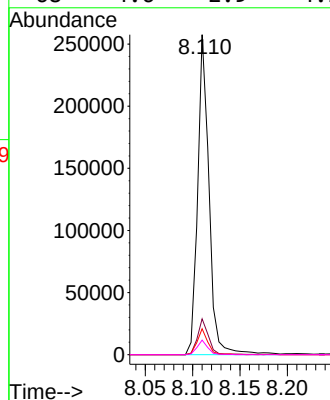
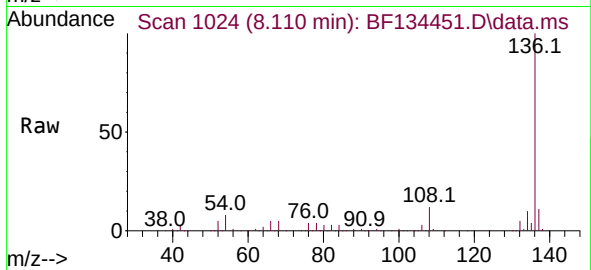
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 8.1 5.2 7.8#

68 4.6 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 91.369 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

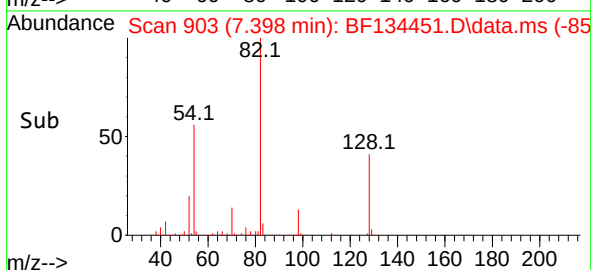
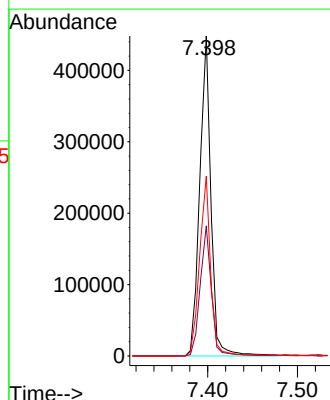
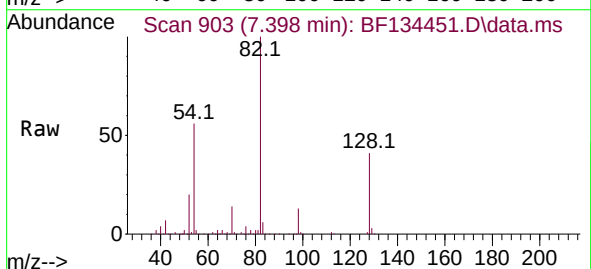
Tgt Ion: 82 Resp: 389621

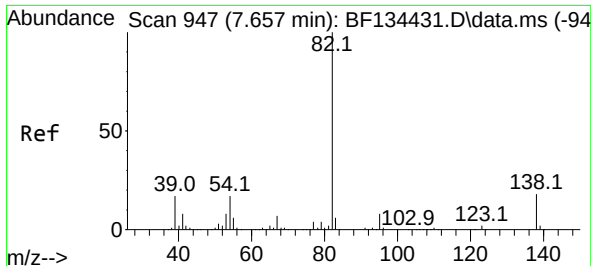
Ion Ratio Lower Upper

82 100

128 40.6 34.3 51.5

54 56.1 43.8 65.6

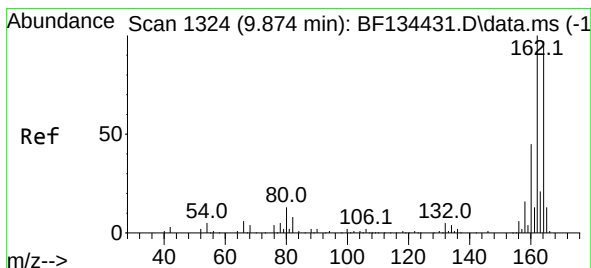
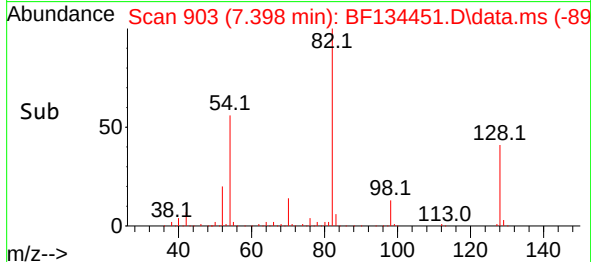
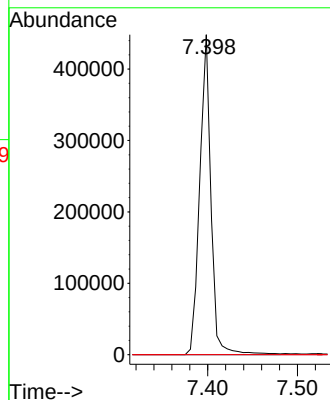
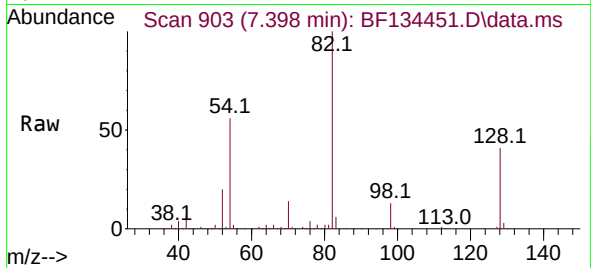




#25
Isophorone
Concen: 54.823 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

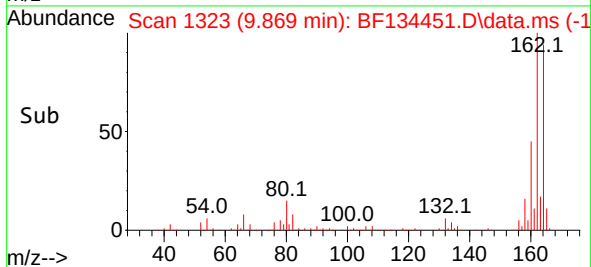
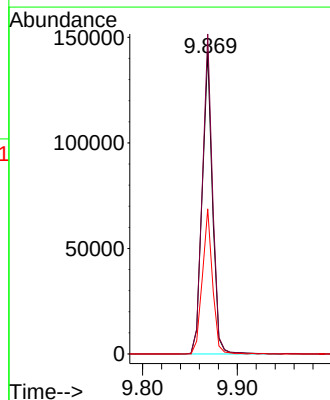
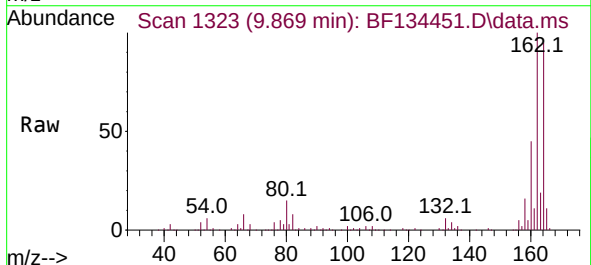
Instrument :
BNA_F
ClientSampleId :
TP18

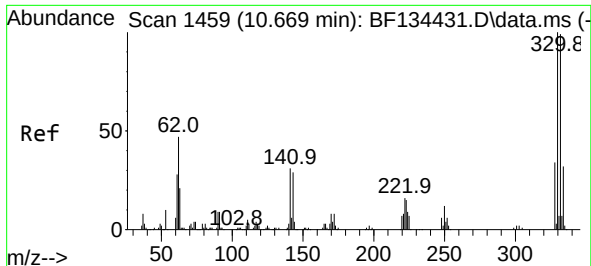
Tgt Ion: 82 Resp: 389621
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

Tgt Ion:164 Resp: 108158
Ion Ratio Lower Upper
164 100
162 105.8 82.6 123.8
160 47.9 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 118.161 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

Instrument :

BNA_F

ClientSampleId :

TP18

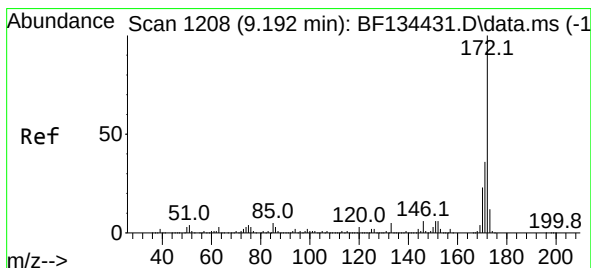
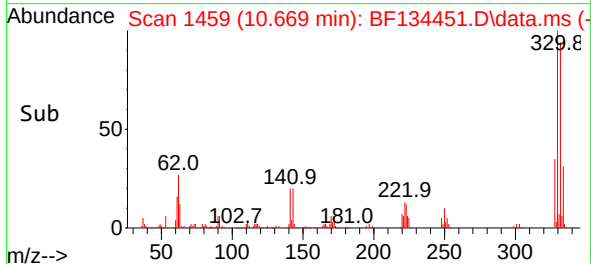
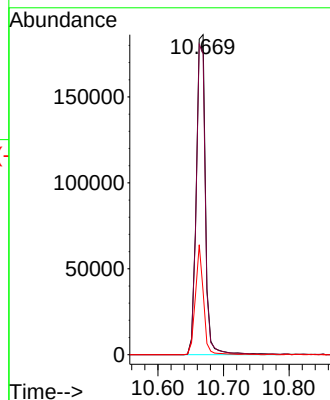
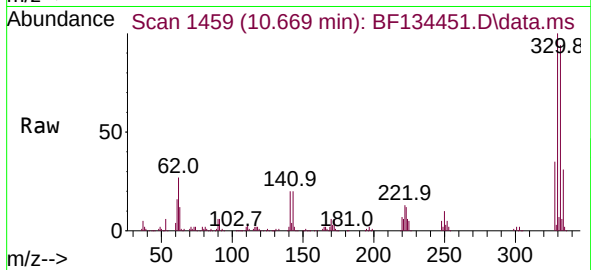
Tgt Ion:330 Resp: 181581

Ion Ratio Lower Upper

330 100

332 96.3 78.8 118.2

141 30.1 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 72.256 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

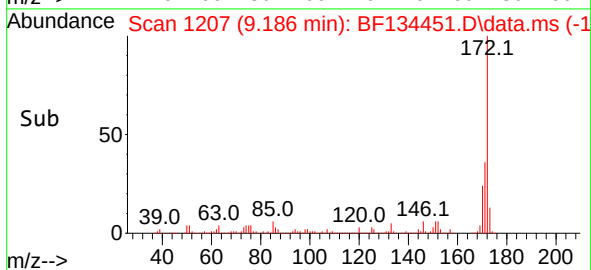
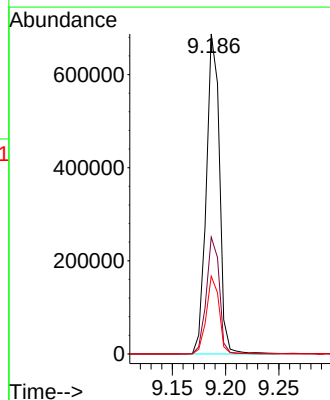
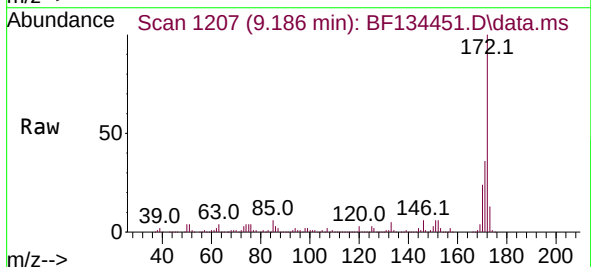
Tgt Ion:172 Resp: 595302

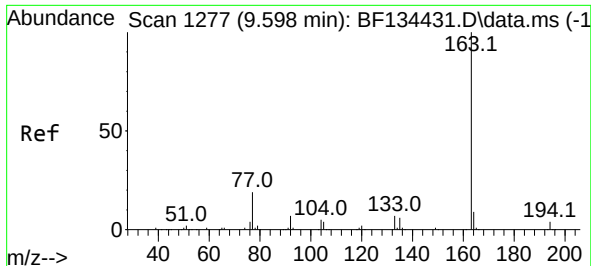
Ion Ratio Lower Upper

172 100

171 36.5 28.8 43.2

170 24.3 18.7 28.1

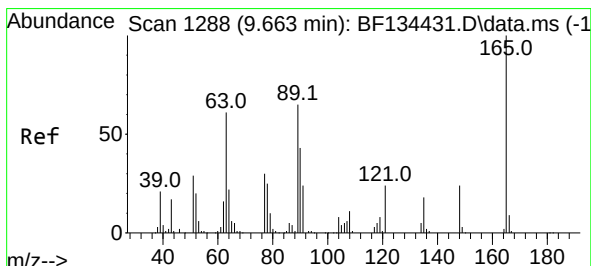
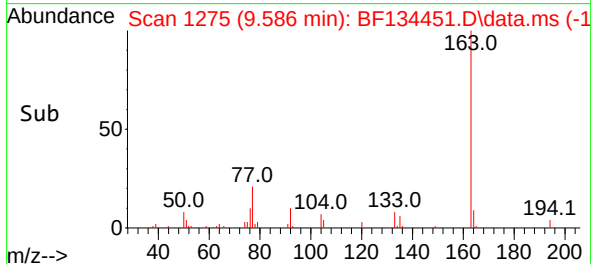
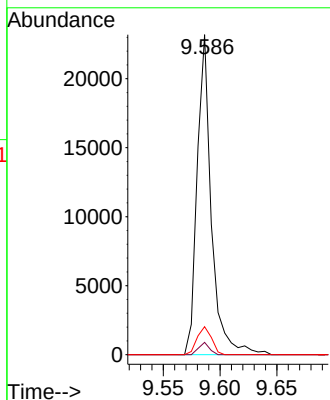
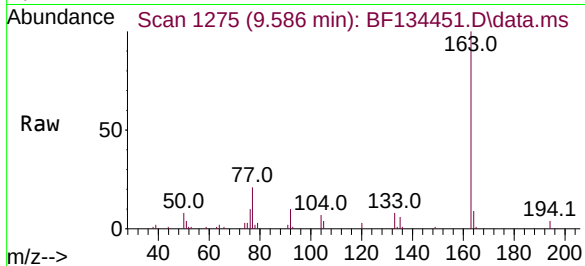




#50
Dimethylphthalate
Concen: 2.526 ng
RT: 9.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

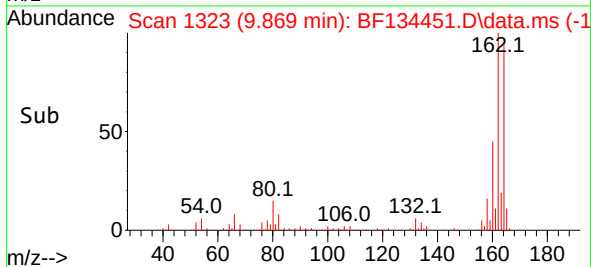
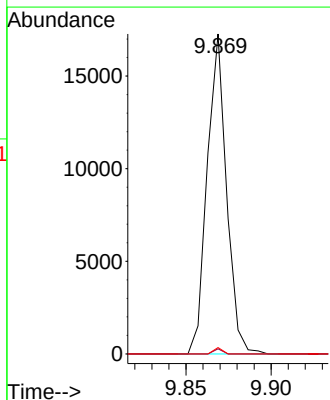
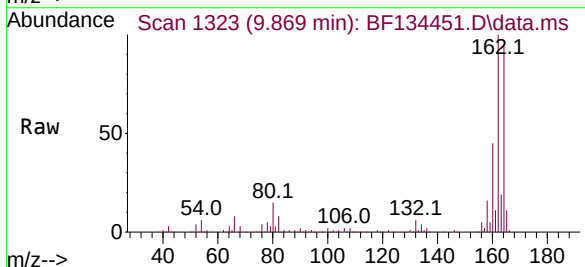
Instrument :
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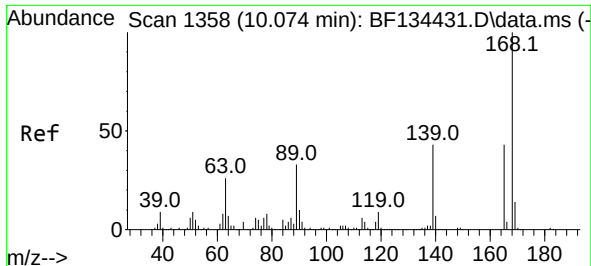
Tgt Ion:163 Resp: 20253
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 8.8 7.5 11.3



#51
2,6-Dinitrotoluene
Concen: 7.749 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.206 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

Tgt Ion:165 Resp: 13632
Ion Ratio Lower Upper
165 100
63 1.6 57.8 86.6#
89 2.0 51.8 77.8#

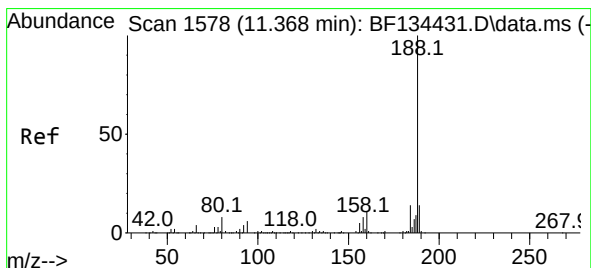
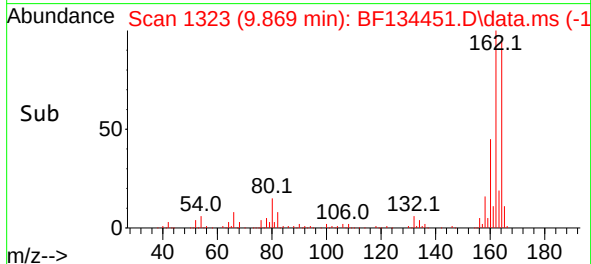
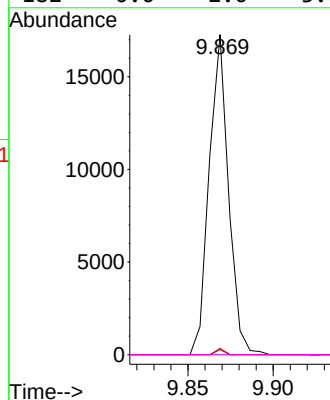
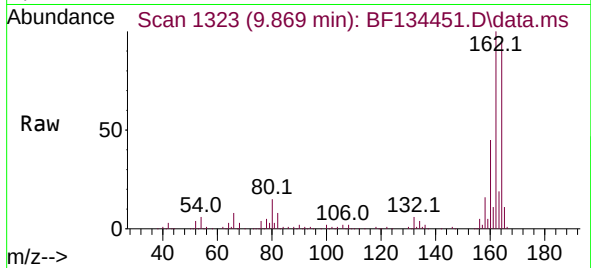




#57
2,4-Dinitrotoluene
Concen: 5.769 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

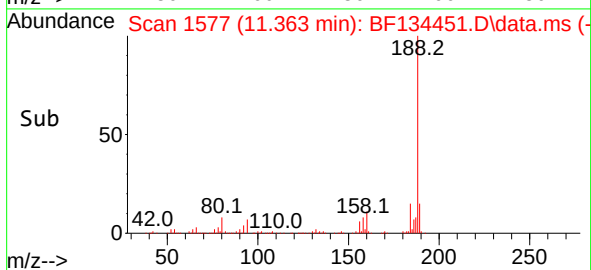
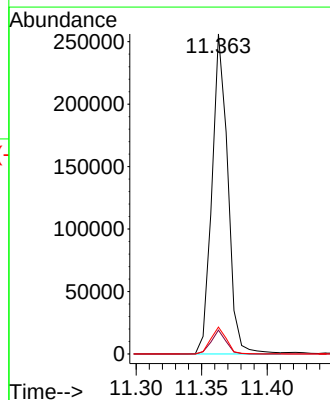
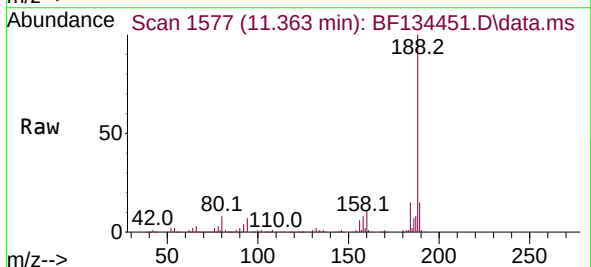
Instrument :
BNA_F
ClientSampleId :
TP18

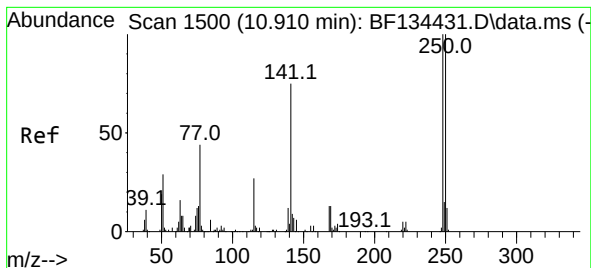
Tgt Ion:165 Resp: 13632
Ion Ratio Lower Upper
165 100
63 1.6 48.9 73.3#
89 2.0 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

Tgt Ion:188 Resp: 215870
Ion Ratio Lower Upper
188 100
94 7.5 5.1 7.7
80 8.4 6.6 9.8

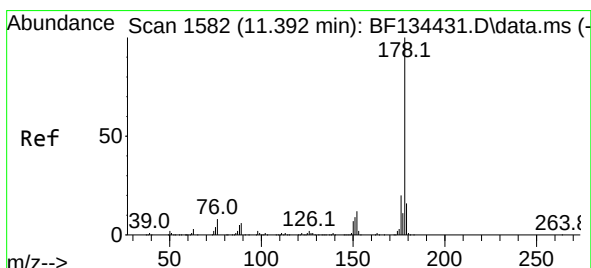
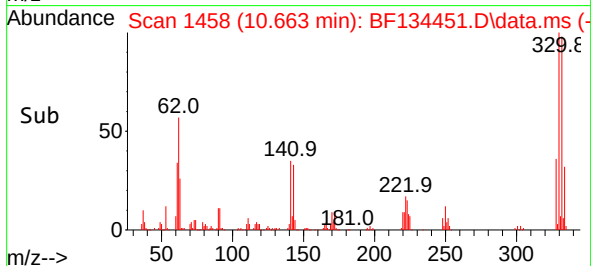
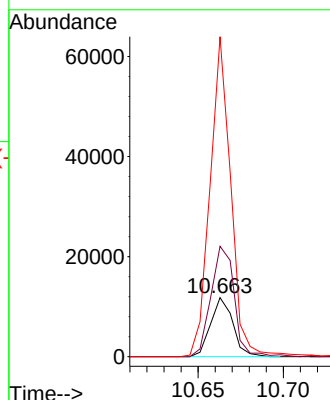
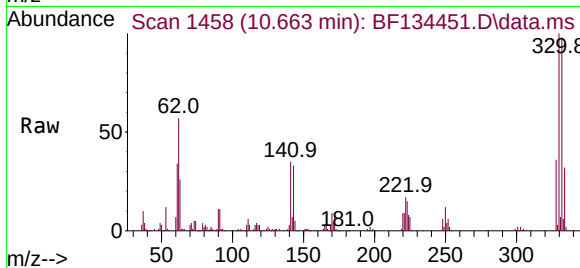




#67
4-Bromophenyl-phenylether
Concen: 4.529 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

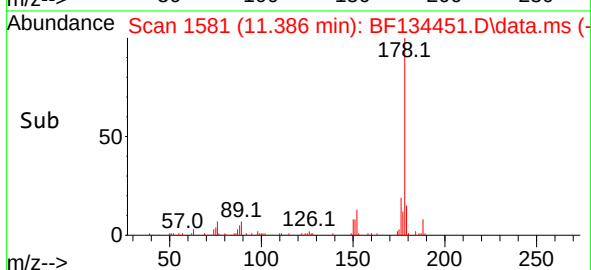
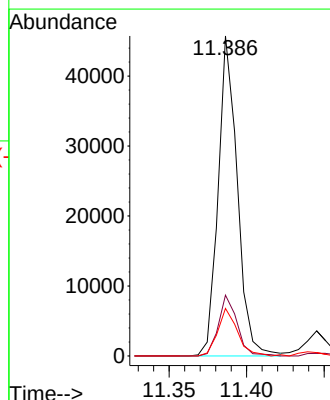
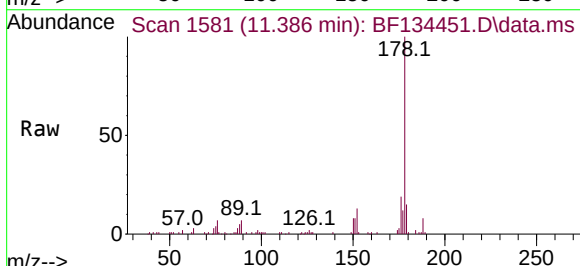
Instrument :
BNA_F
ClientSampleId :
TP18

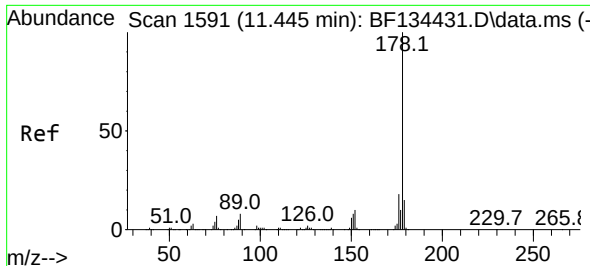
Tgt Ion:248 Resp: 10711
Ion Ratio Lower Upper
248 100
250 187.1 79.6 119.4#
141 542.4 59.6 89.4#



#71
Phenanthrene
Concen: 3.484 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

Tgt Ion:178 Resp: 39300
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 14.9 12.7 19.1

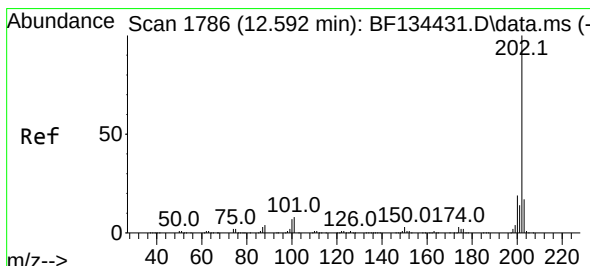
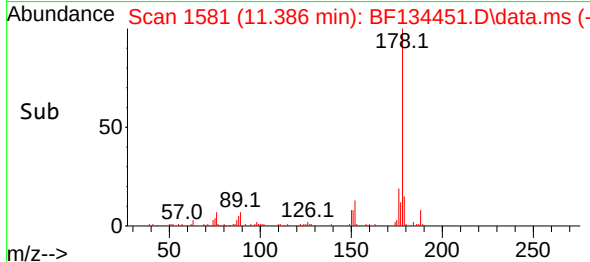
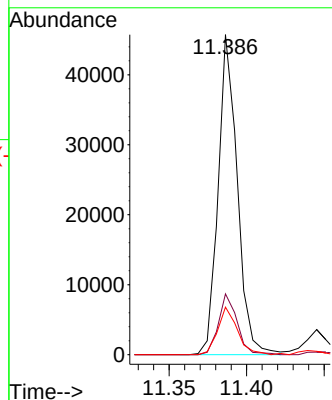
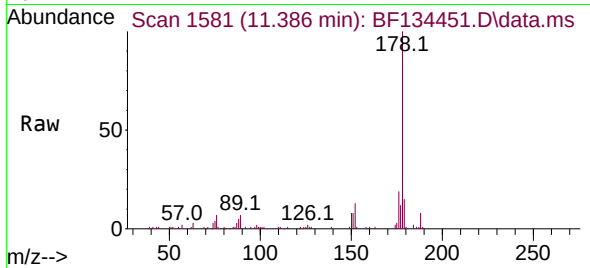




#72
 Anthracene
 Concen: 3.376 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF134451.D
 Acq: 25 Jul 2023 03:08

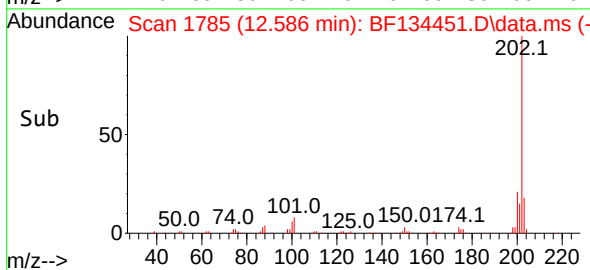
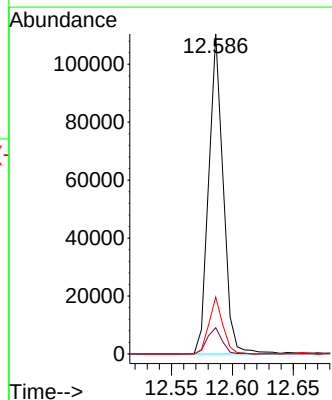
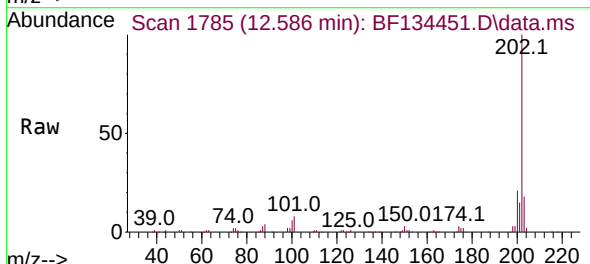
Instrument :
 BNA_F
 ClientSampleId :
 TP18

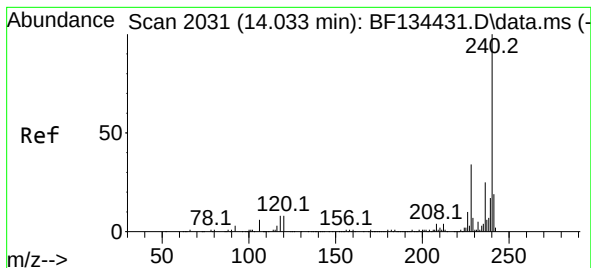
Tgt Ion:178 Resp: 39300
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.6 21.8
 179 14.9 12.3 18.5



#75
 Fluoranthene
 Concen: 6.974 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. -0.006 min
 Lab File: BF134451.D
 Acq: 25 Jul 2023 03:08

Tgt Ion:202 Resp: 91672
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 28.5
 203 17.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

Instrument :

BNA_F

ClientSampleId :

TP18

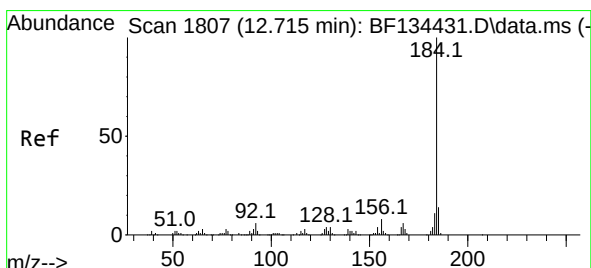
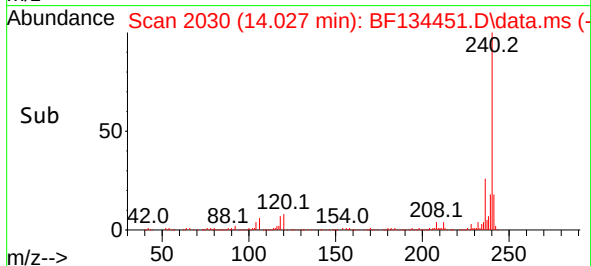
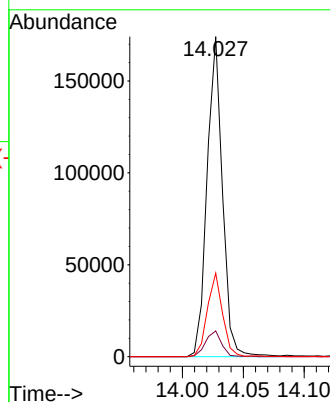
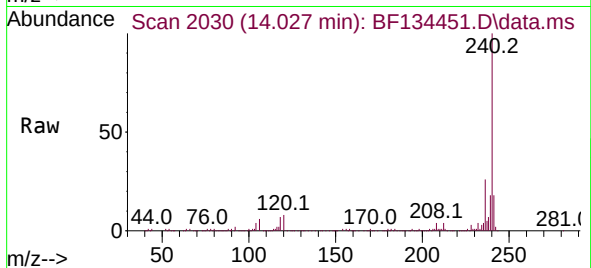
Tgt Ion:240 Resp: 153086

Ion Ratio Lower Upper

240 100

120 8.1 6.6 10.0

236 26.1 20.2 30.2



#77

Benzidine

Concen: 3.302 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.248 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

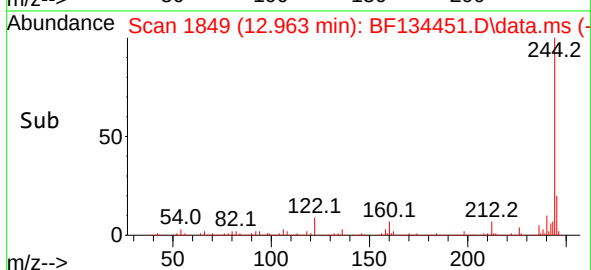
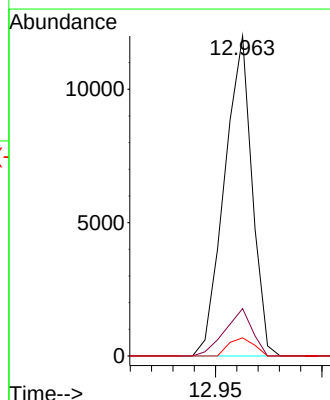
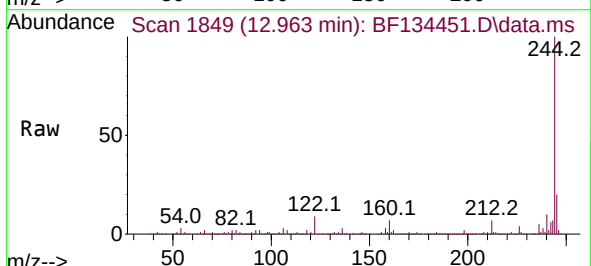
Tgt Ion:184 Resp: 10794

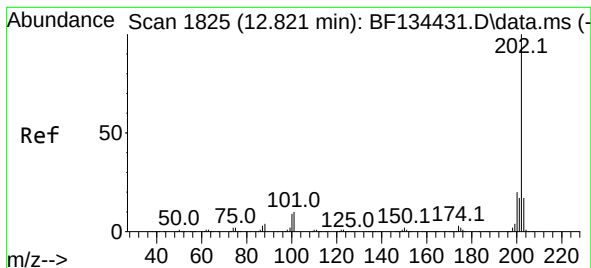
Ion Ratio Lower Upper

184 100

185 14.8 11.2 16.8

183 5.7 8.6 13.0#





#78

Pyrene

Concen: 6.015 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

Instrument :

BNA_F

ClientSampleId :

TP18

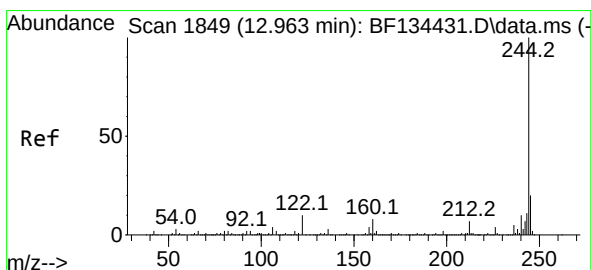
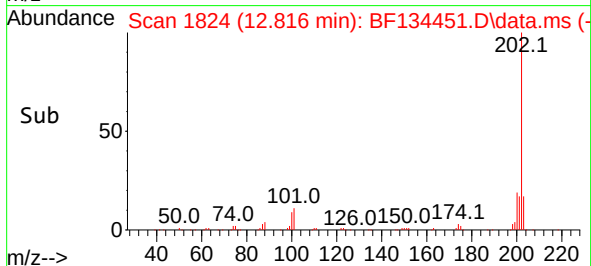
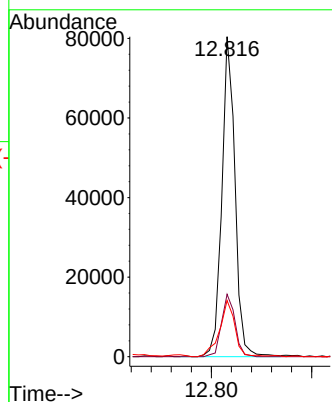
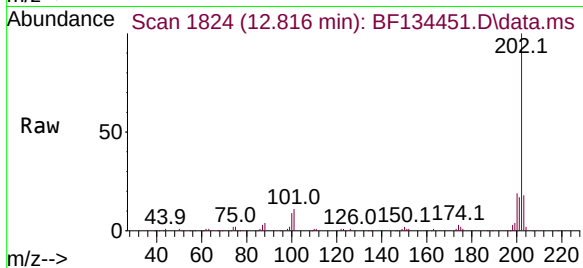
Tgt Ion:202 Resp: 73216

Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

203 17.6 13.5 20.3



#79

Terphenyl-d14

Concen: 86.625 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

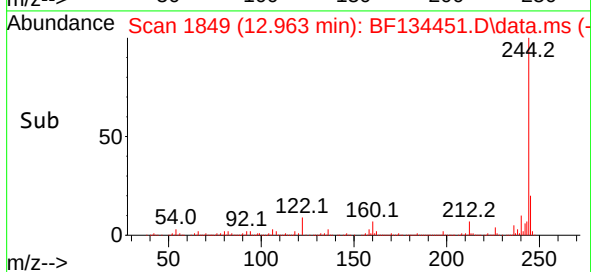
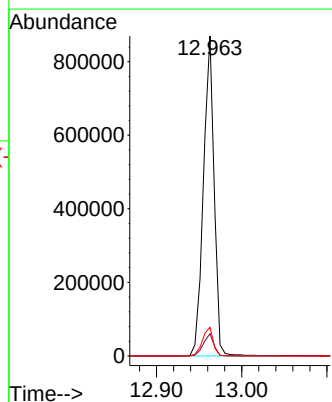
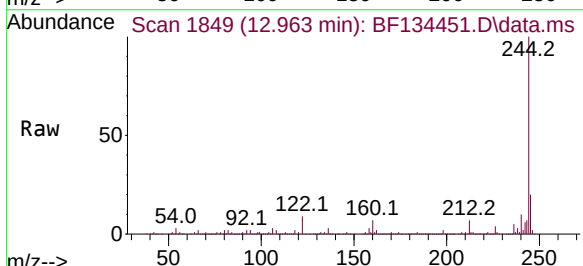
Tgt Ion:244 Resp: 759657

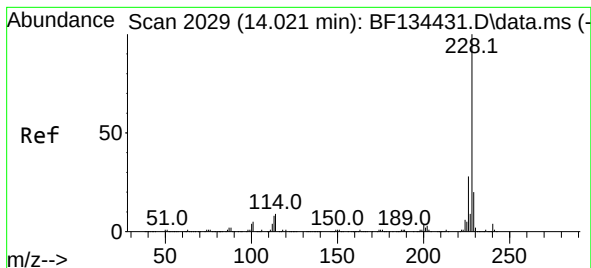
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.0 8.0 12.0





#81

Benzo(a)anthracene

Concen: 2.270 ng

RT: 14.016 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

Instrument :

BNA_F

ClientSampleId :

TP18

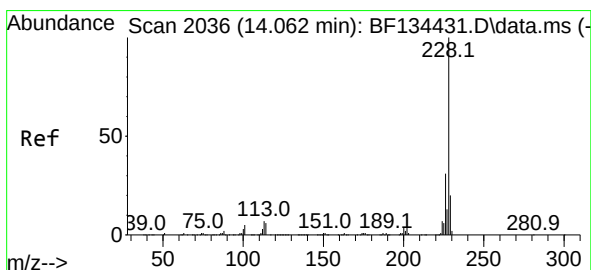
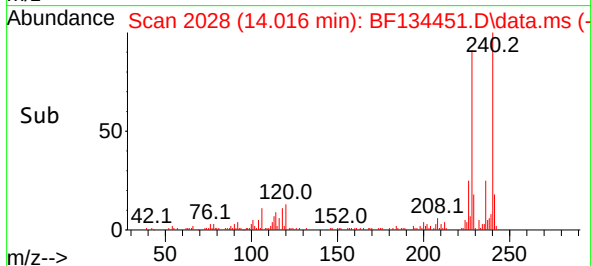
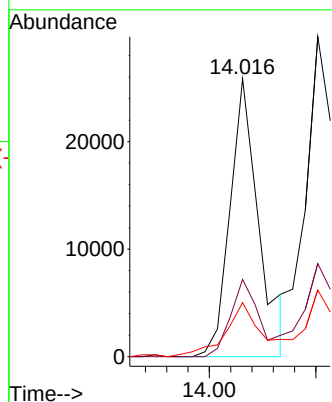
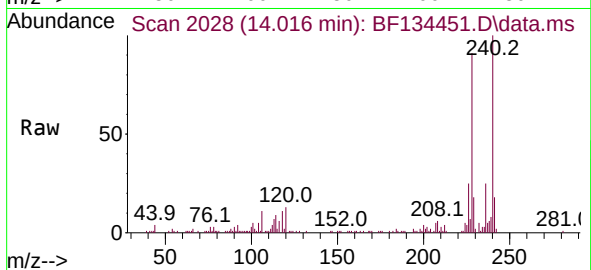
Tgt Ion:228 Resp: 24247

Ion Ratio Lower Upper

228 100

226 27.8 22.3 33.5

229 19.5 15.8 23.6



#83

Chrysene

Concen: 2.872 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

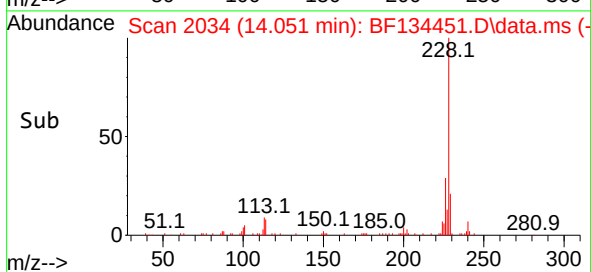
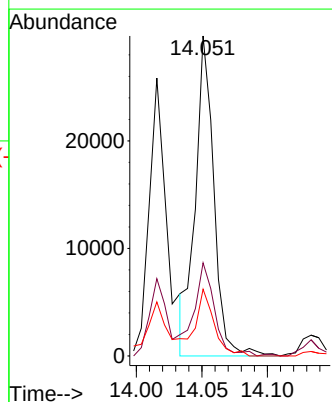
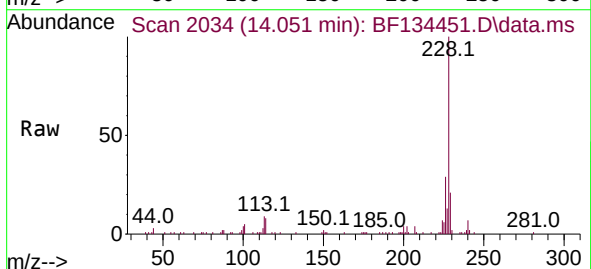
Tgt Ion:228 Resp: 29340

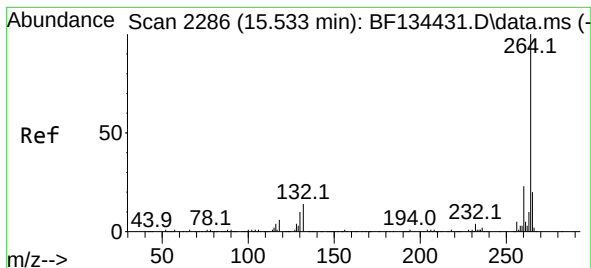
Ion Ratio Lower Upper

228 100

226 29.1 24.5 36.7

229 20.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

Instrument :

BNA_F

ClientSampleId :

TP18

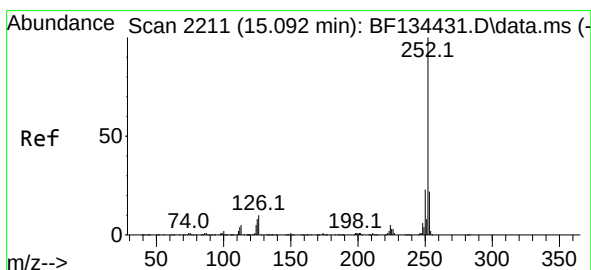
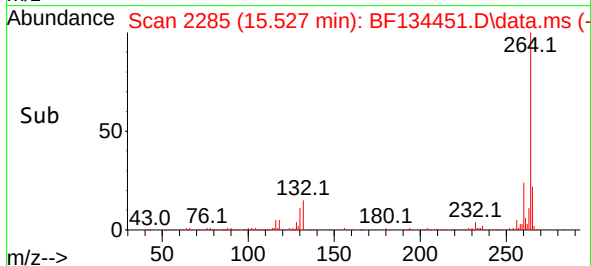
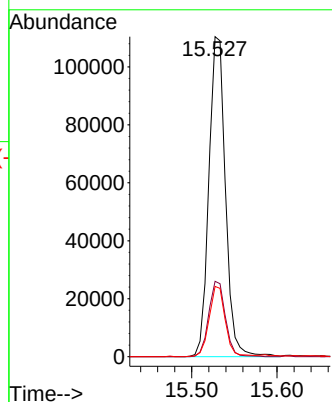
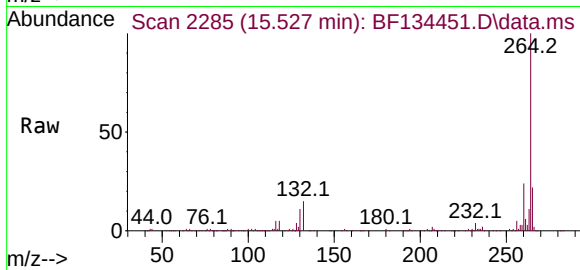
Tgt Ion:264 Resp: 149309

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 22.0 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 4.861 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

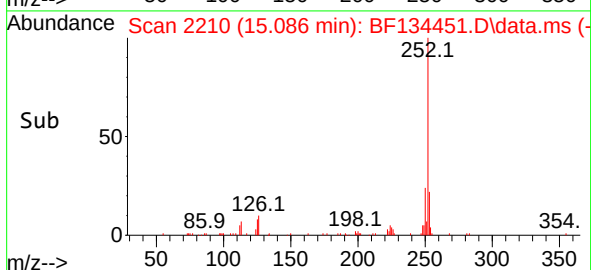
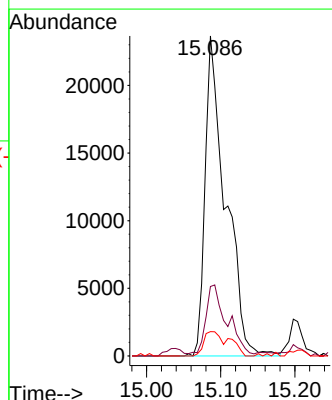
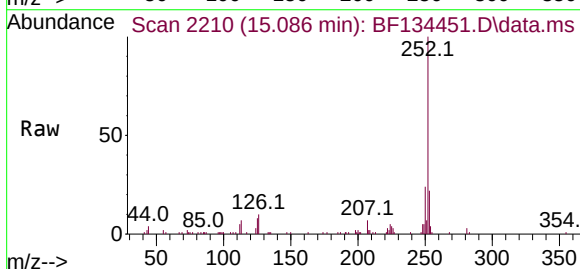
Tgt Ion:252 Resp: 45410

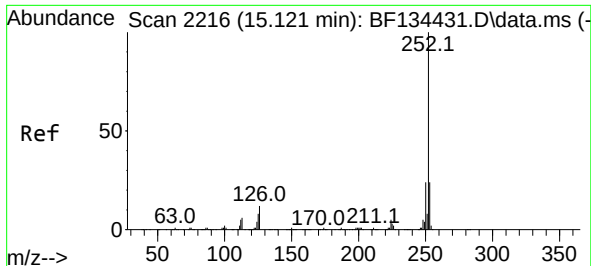
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 7.6 6.0 9.0

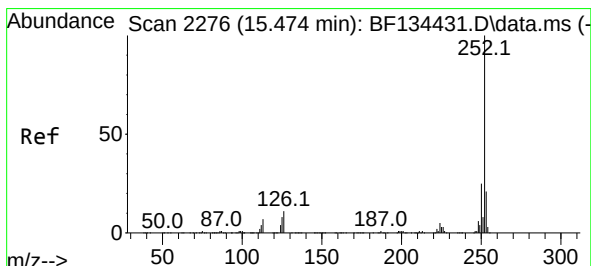
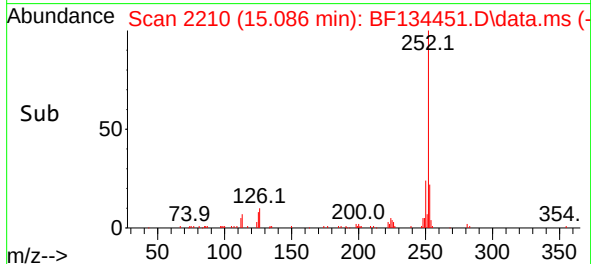
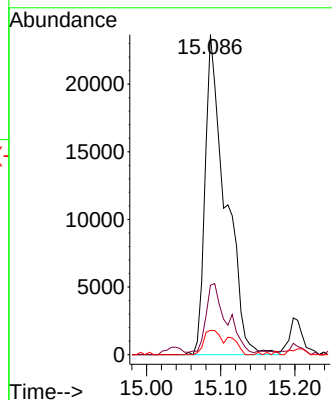
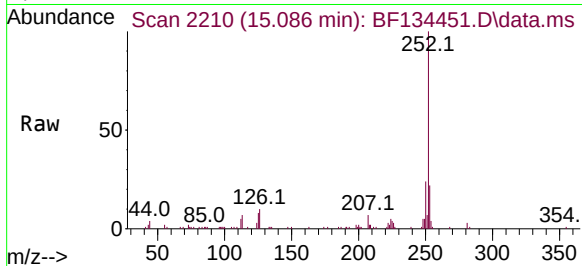




#89
Benzo(k)fluoranthene
Concen: 4.943 ng
RT: 15.086 min Scan# 2110
Delta R.T. -0.035 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

Instrument :
BNA_F
ClientSampleId :
TP18

Tgt Ion:252 Resp: 45410
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 7.6 6.3 9.5



#90
Benzo(a)pyrene
Concen: 2.433 ng
RT: 15.463 min Scan# 2274
Delta R.T. -0.012 min
Lab File: BF134451.D
Acq: 25 Jul 2023 03:08

Tgt Ion:252 Resp: 21007
Ion Ratio Lower Upper
252 100
253 18.7 17.0 25.4
125 10.4 6.2 9.4#

