

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138312.D
 Acq On : 24 Jun 2024 16:13
 Operator : CG\JU
 Sample : P2847-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BKG-3

Quant Time: Jun 24 16:40:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

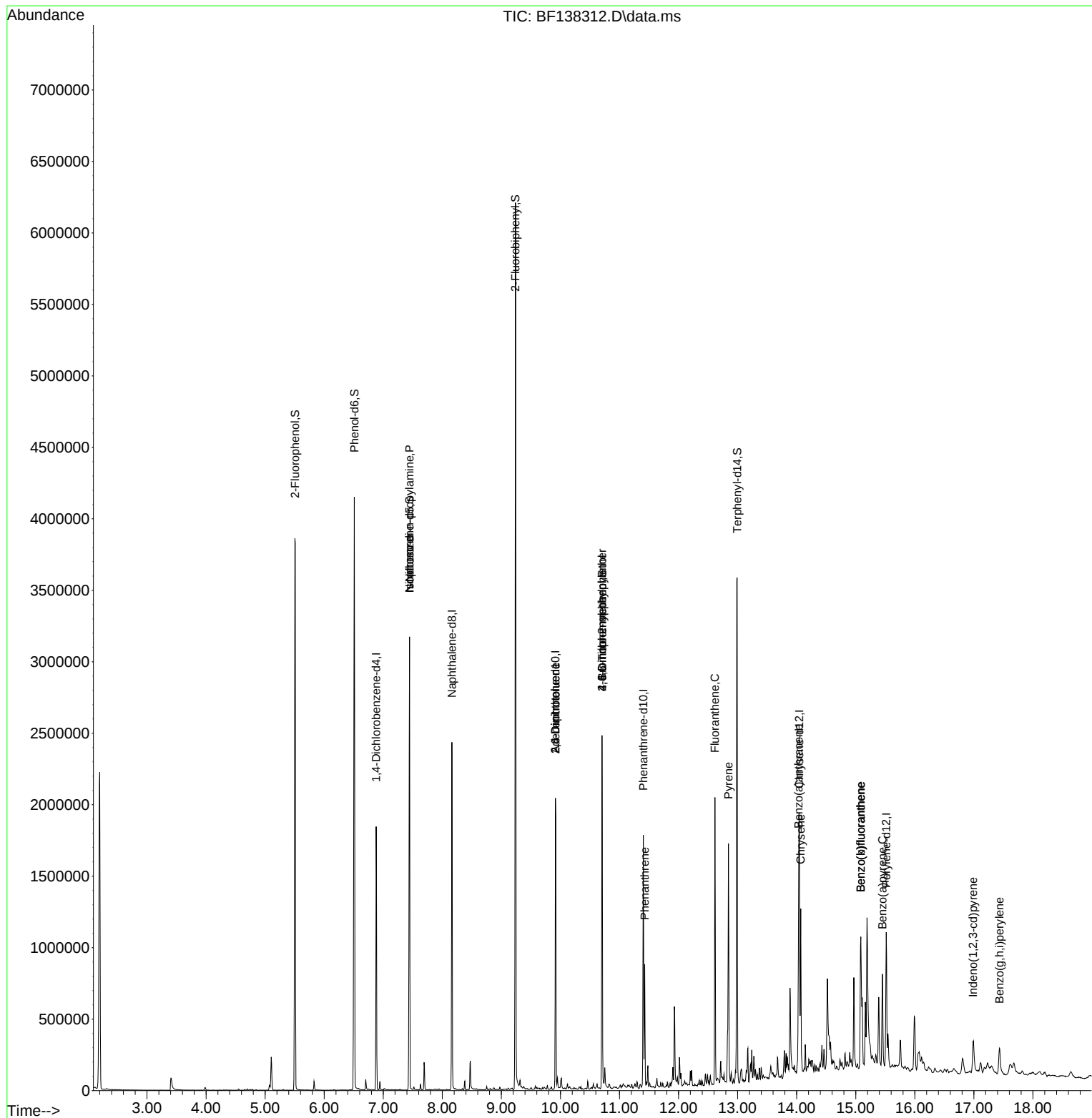
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	264774	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	980945	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	446790	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	597949	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	485399	20.000	ng	0.00
86) Perylene-d12	15.515	264	428447	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1231461	77.803	ng	0.00
7) Phenol-d6	6.510	99	1583558	78.900	ng	-0.01
23) Nitrobenzene-d5	7.445	82	955211	56.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	305202	68.617	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1874741	66.723	ng	-0.01
79) Terphenyl-d14	12.992	244	1343689	43.844	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	126288	10.615	ng	# 76
25) Isophorone	7.445	82	950847	31.198	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	58320	9.820	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	58927	8.045	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	645	7.115	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	18241	2.707	ng	# 1
71) Phenanthrene	11.427	178	287155	9.711	ng	96
75) Fluoranthene	12.616	202	721143	23.915	ng	98
78) Pyrene	12.845	202	631625	15.086	ng	98
81) Benzo(a)anthracene	14.033	228	374088	12.013	ng	99
83) Chrysene	14.068	228	429569	14.472	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	155707	5.575	ng	96
88) Benzo(b)fluoranthene	15.086	252	715345	28.312	ng	98
89) Benzo(k)fluoranthene	15.086	252	715345	28.889	ng	98
90) Benzo(a)pyrene	15.451	252	310755	14.317	ng	# 97
92) Benzo(g,h,i)perylene	17.433	276	153434	6.469	ng	99

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

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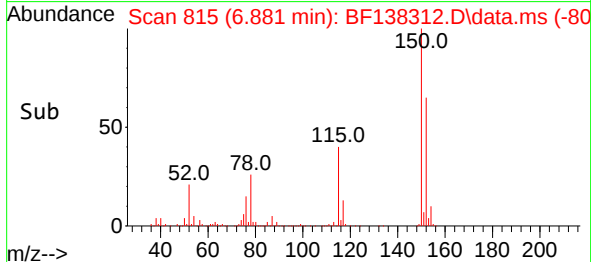
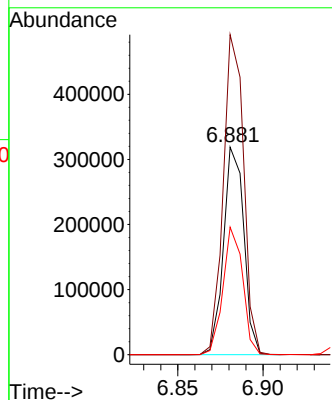
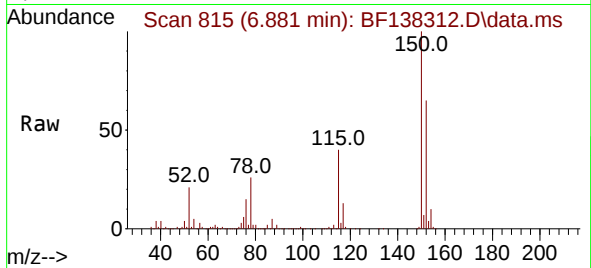




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 817
 Delta R.T. -0.012 min
 Lab File: BF138312.D
 Acq: 24 Jun 2024 16:13

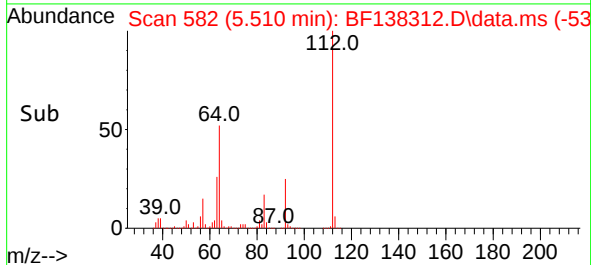
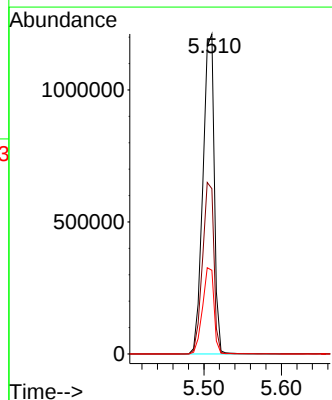
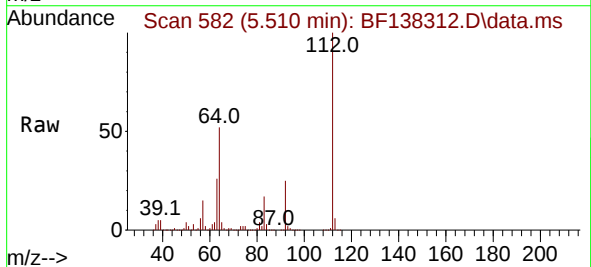
Instrument :
 BNA_F
 ClientSampleId :
 BKG-3

Tgt Ion:152 Resp: 264774
 Ion Ratio Lower Upper
 152 100
 150 154.2 125.0 187.4
 115 61.4 48.4 72.6



#5
 2-Fluorophenol
 Concen: 77.803 ng
 RT: 5.510 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: BF138312.D
 Acq: 24 Jun 2024 16:13

Tgt Ion:112 Resp: 1231461
 Ion Ratio Lower Upper
 112 100
 64 51.6 45.2 67.8
 63 26.1 22.9 34.3

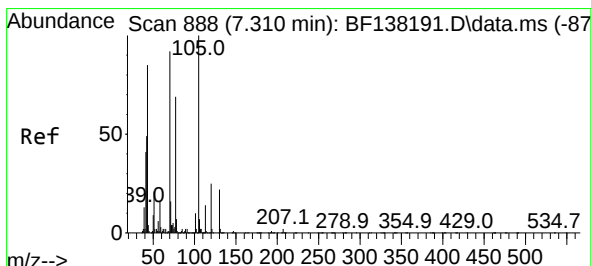
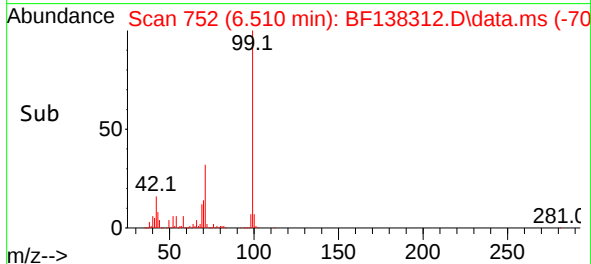
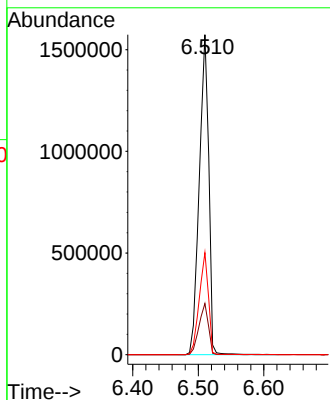
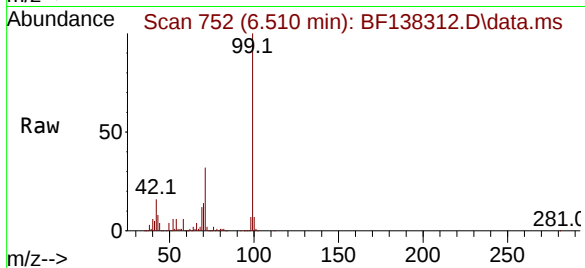




#7
Phenol-d6
Concen: 78.900 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

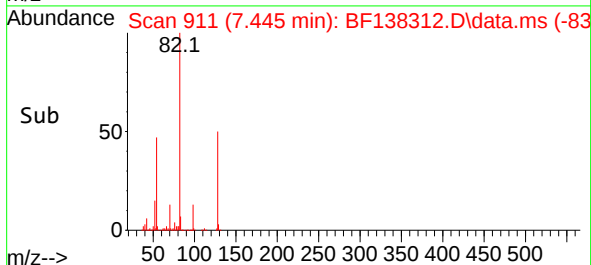
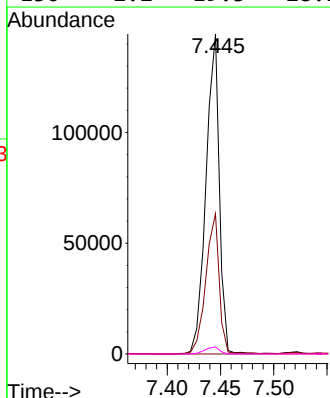
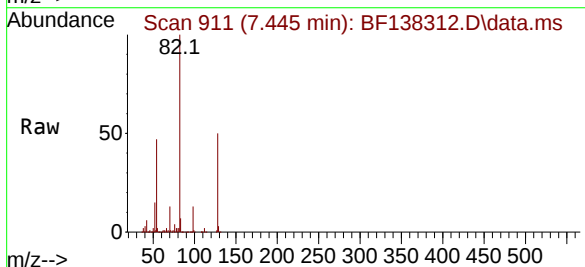
Instrument :
BNA_F
ClientSampleId :
BKG-3

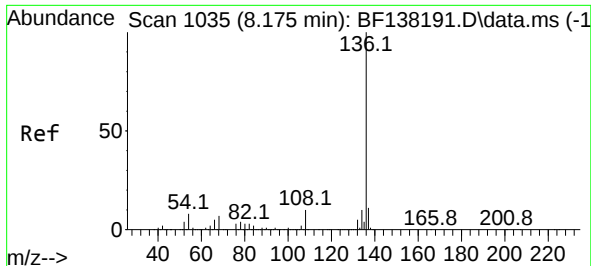
Tgt Ion: 99 Resp: 1583558
Ion Ratio Lower Upper
99 100
42 16.0 13.7 20.5
71 31.9 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.615 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Tgt Ion: 70 Resp: 126288
Ion Ratio Lower Upper
70 100
42 43.8 42.8 64.2
101 0.0 8.4 12.6#
130 2.2 19.3 28.9#

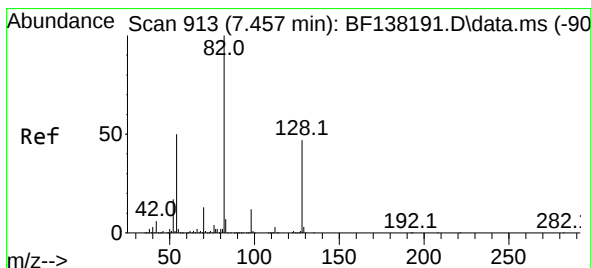
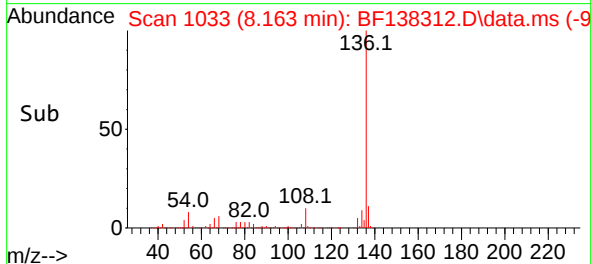
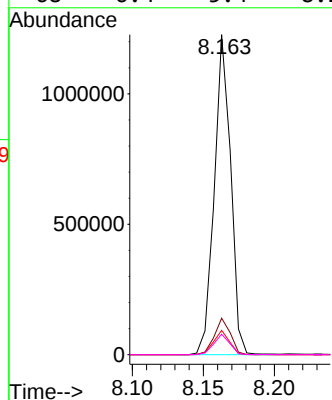
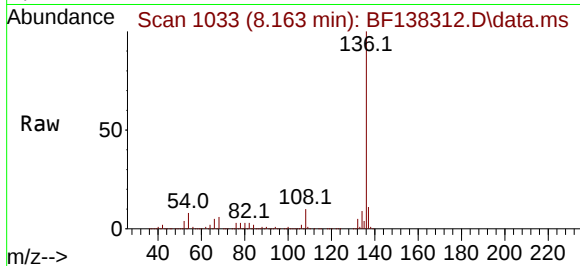




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

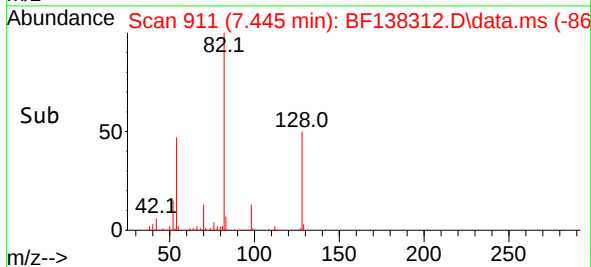
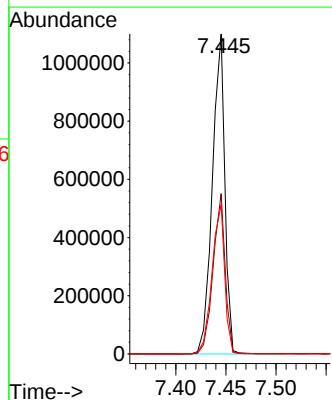
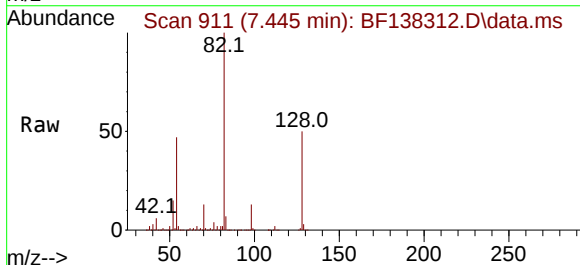
Instrument :
BNA_F
ClientSampleId :
BKG-3

Tgt Ion:	136	Resp:	980945
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.6	6.6	10.0
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 56.689 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Tgt Ion:	82	Resp:	955211
Ion	Ratio	Lower	Upper
82	100		
128	50.1	37.2	55.8
54	46.6	39.8	59.6

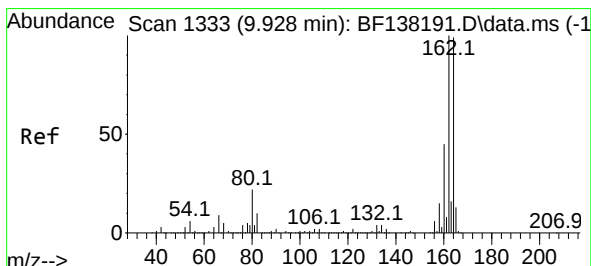
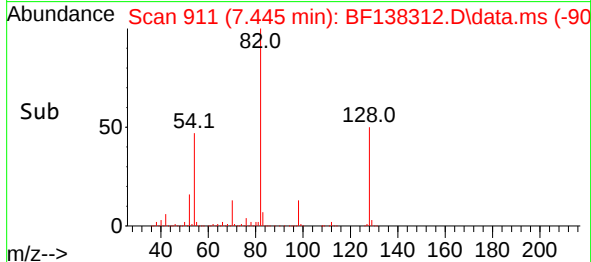
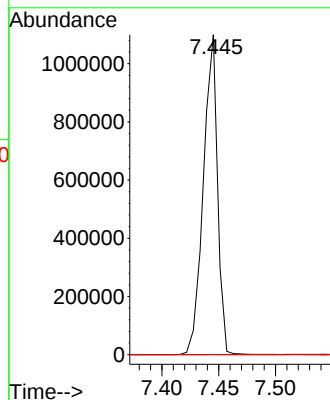
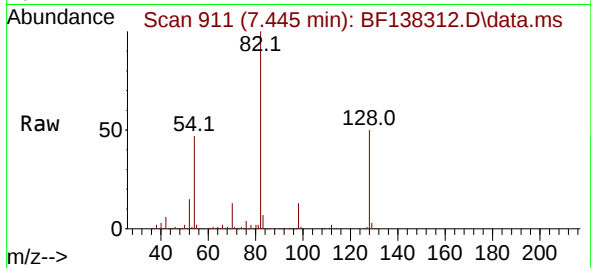




#25
Isophorone
Concen: 31.198 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

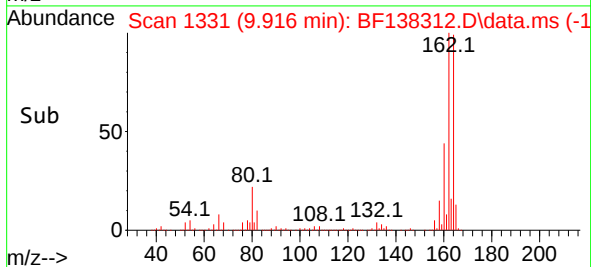
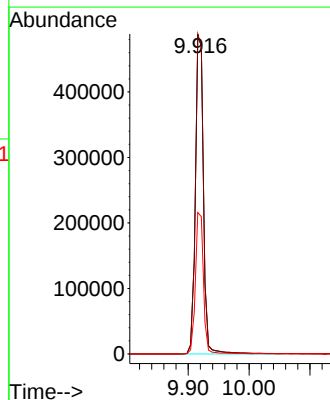
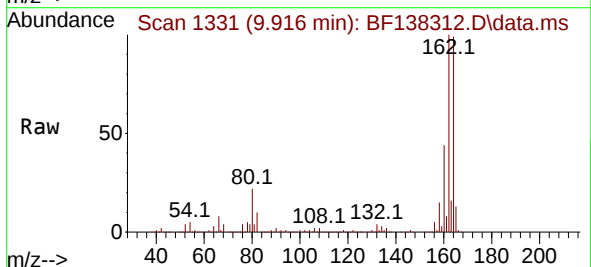
Instrument :
BNA_F
ClientSampleId :
BKG-3

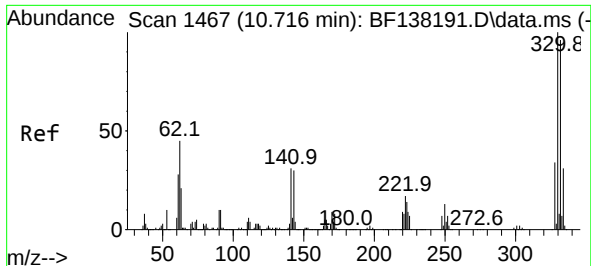
Tgt Ion: 82 Resp: 950847
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Tgt Ion: 164 Resp: 446790
Ion Ratio Lower Upper
164 100
162 101.0 80.6 121.0
160 44.6 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 68.617 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.012 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

Instrument :

BNA_F

ClientSampleId :

BKG-3

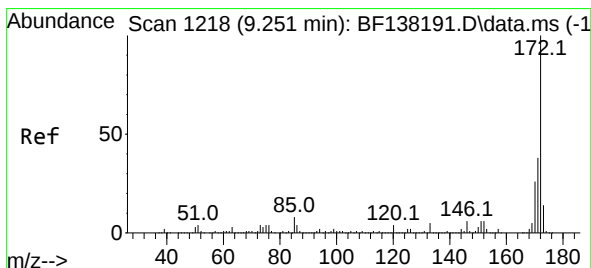
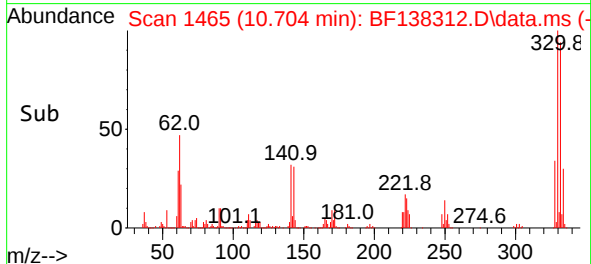
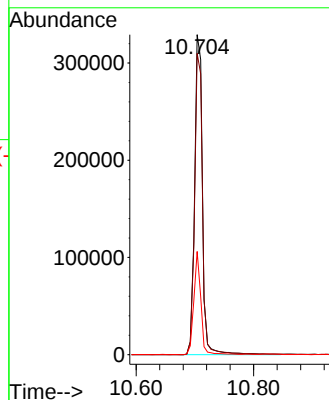
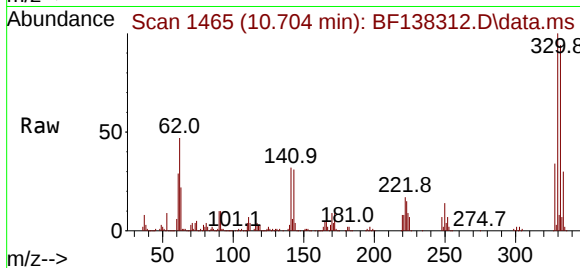
Tgt Ion:330 Resp: 305202

Ion Ratio Lower Upper

330 100

332 95.5 76.6 115.0

141 29.0 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 66.723 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

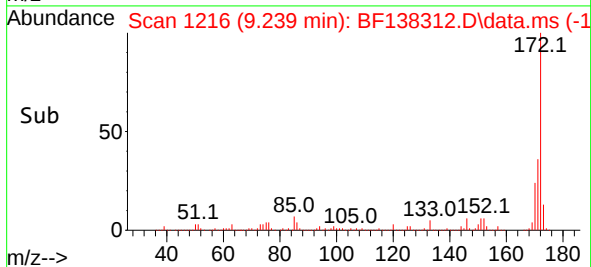
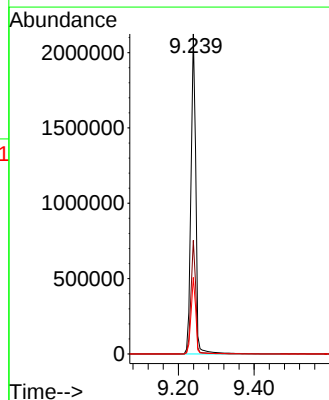
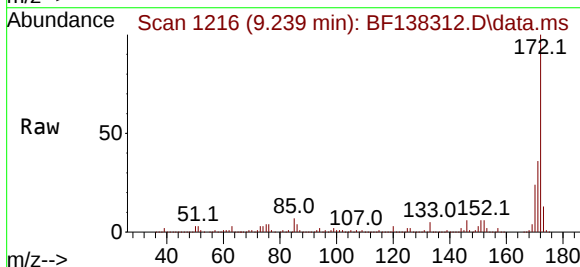
Tgt Ion:172 Resp: 1874741

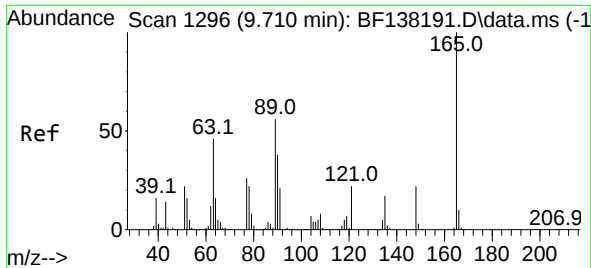
Ion Ratio Lower Upper

172 100

171 35.5 30.3 45.5

170 23.9 20.6 30.8

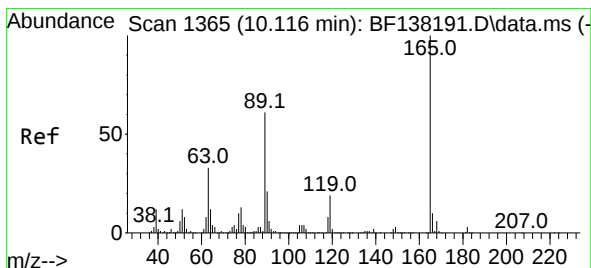
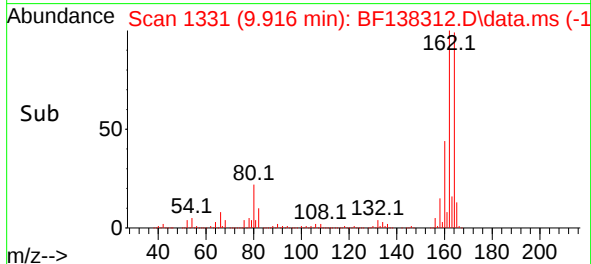
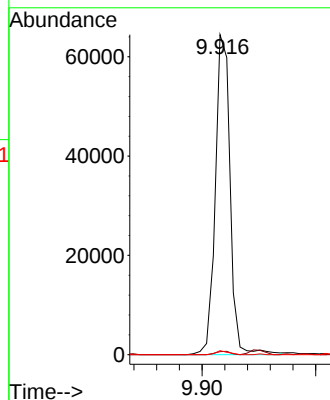
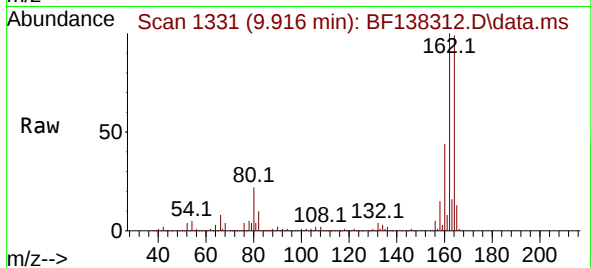




#51
2,6-Dinitrotoluene
Concen: 9.820 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

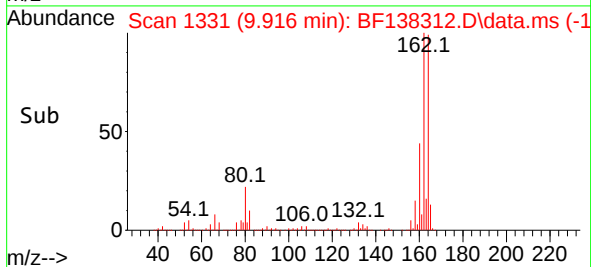
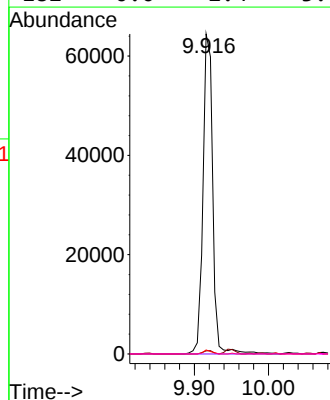
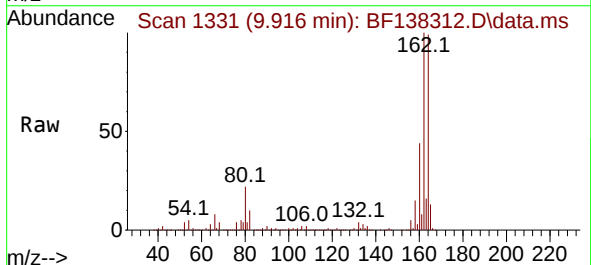
Instrument :
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Tgt Ion:165 Resp: 58320
Ion Ratio Lower Upper
165 100
63 1.0 43.7 65.5#
89 1.3 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 8.045 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Tgt Ion:165 Resp: 58927
Ion Ratio Lower Upper
165 100
63 1.0 26.6 39.8#
89 1.3 48.7 73.1#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

Instrument :

BNA_F

ClientSampleId :

BKG-3

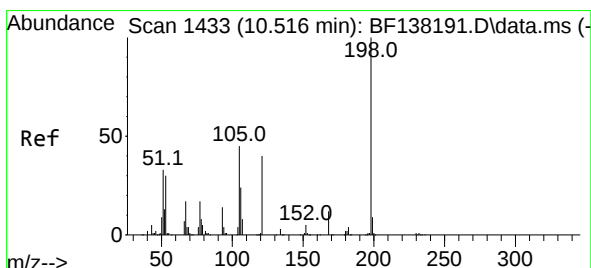
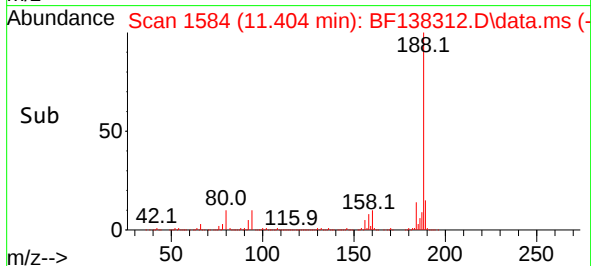
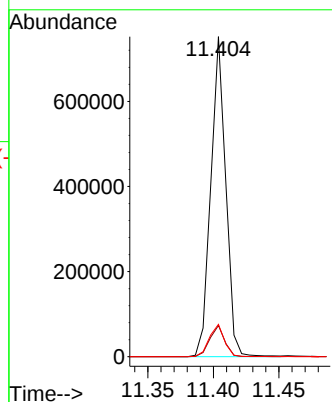
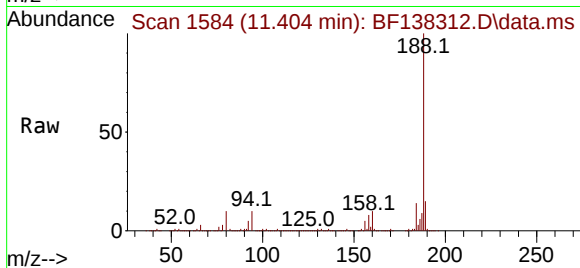
Tgt Ion:188 Resp: 597949

Ion Ratio Lower Upper

188 100

94 9.7 7.6 11.4

80 10.1 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.115 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

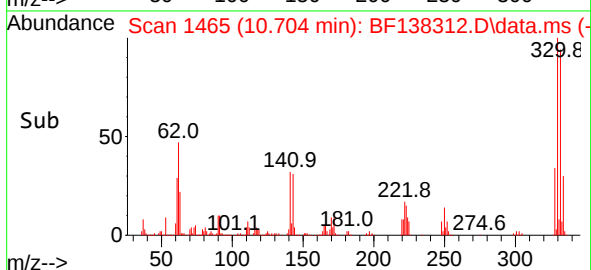
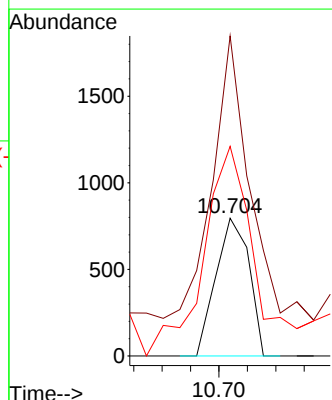
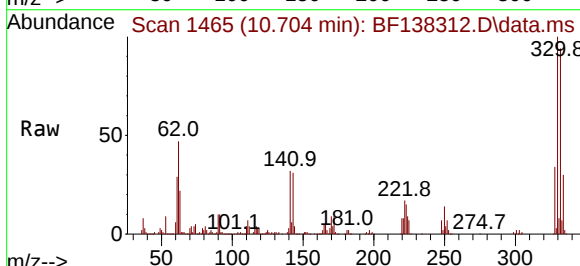
Tgt Ion:198 Resp: 645

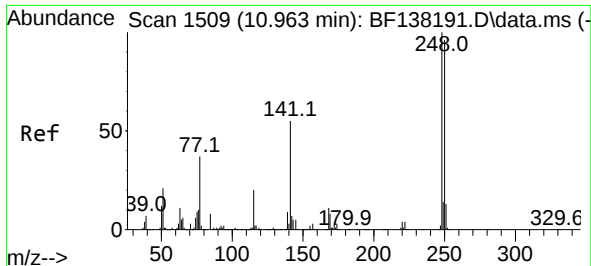
Ion Ratio Lower Upper

198 100

51 232.2 26.9 66.9#

105 152.1 26.0 66.0#

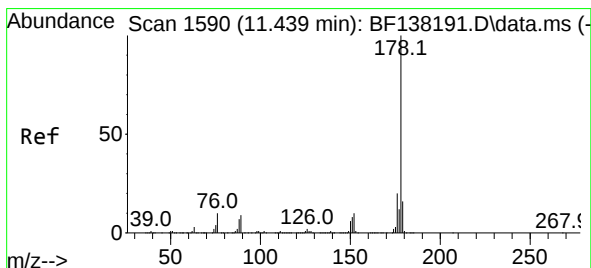
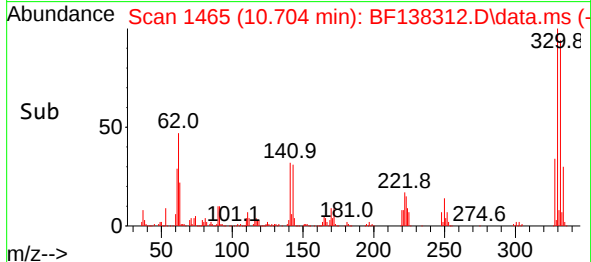
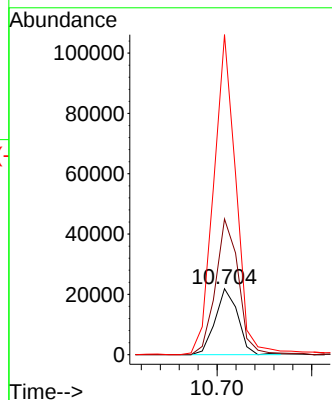
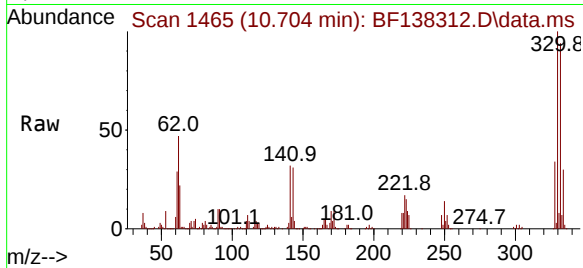




#67
4-Bromophenyl-phenylether
Concen: 2.707 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.259 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

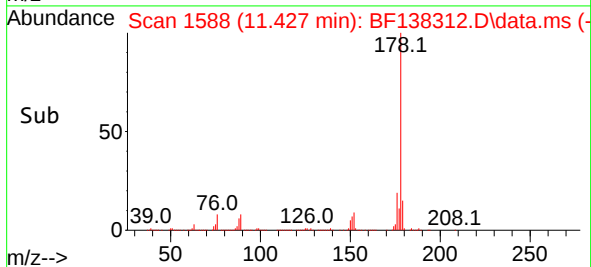
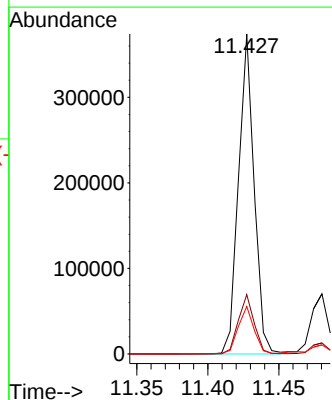
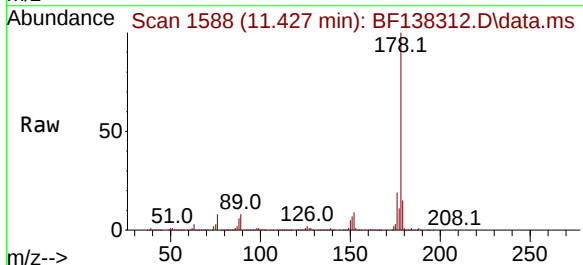
Instrument :
BNA_F
ClientSampleId :
BKG-3

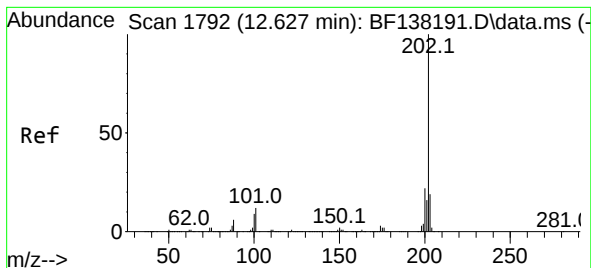
Tgt Ion:248 Resp: 18241
Ion Ratio Lower Upper
248 100
250 205.8 77.2 115.8#
141 485.5 44.1 66.1#



#71
Phenanthrene
Concen: 9.711 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Tgt Ion:178 Resp: 287155
Ion Ratio Lower Upper
178 100
176 18.6 16.4 24.6
179 14.9 13.1 19.7





#75

Fluoranthene

Concen: 23.915 ng

RT: 12.616 min Scan# 1790

Delta R.T. -0.012 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

Instrument :

BNA_F

ClientSampleId :

BKG-3

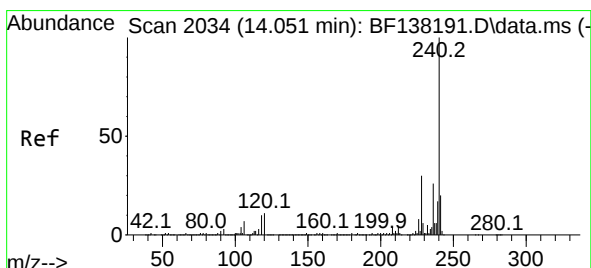
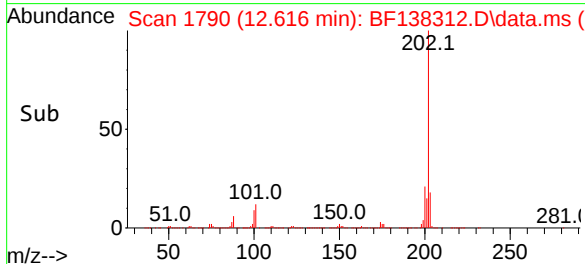
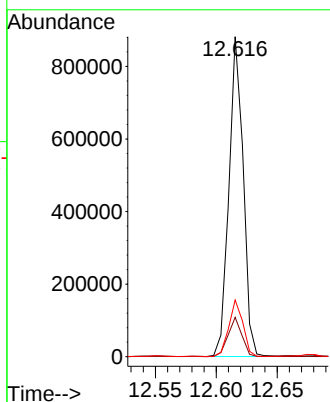
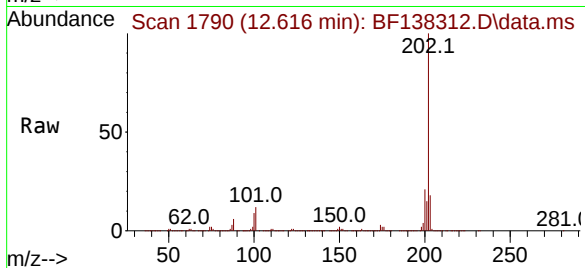
Tgt Ion:202 Resp: 721143

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.8

203 17.7 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

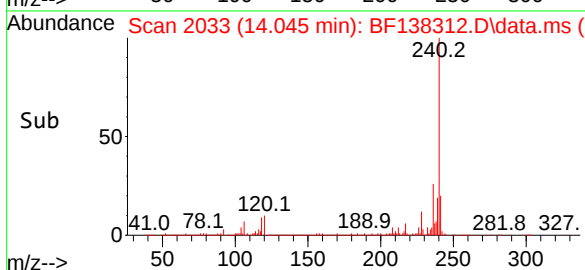
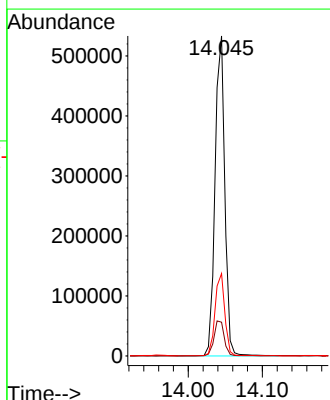
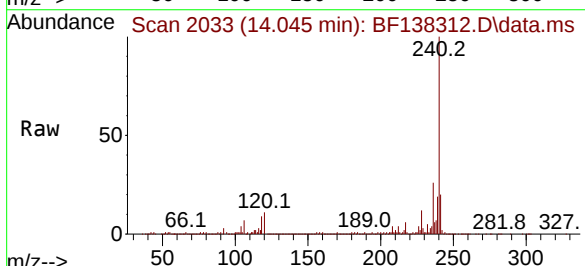
Tgt Ion:240 Resp: 485399

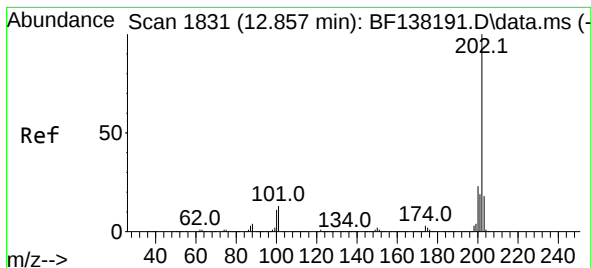
Ion Ratio Lower Upper

240 100

120 10.5 9.2 13.8

236 25.7 21.0 31.6





#78

Pyrene

Concen: 15.086 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

Instrument :

BNA_F

ClientSampleId :

BKG-3

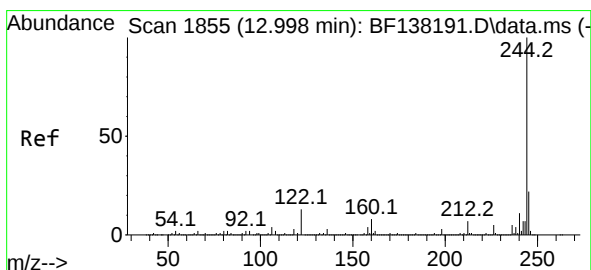
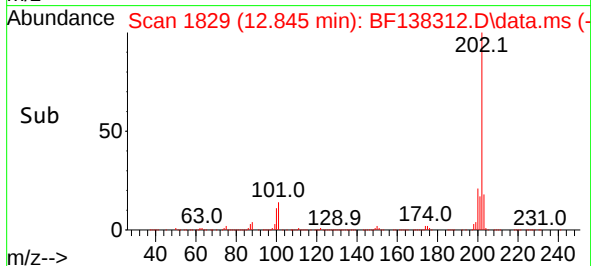
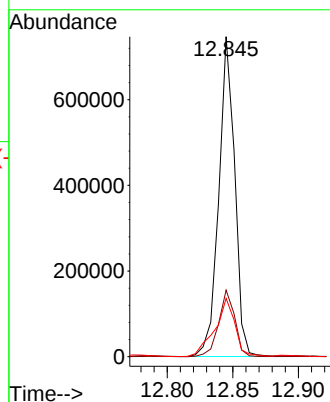
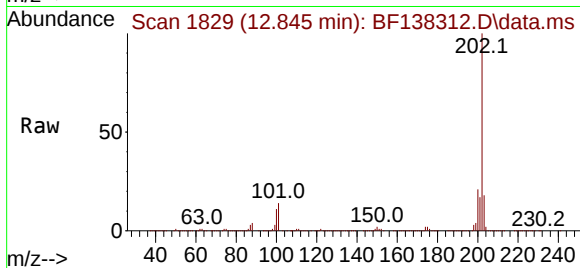
Tgt Ion:202 Resp: 631625

Ion Ratio Lower Upper

202 100

200 20.8 18.0 27.0

203 18.2 14.7 22.1



#79

Terphenyl-d14

Concen: 43.844 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

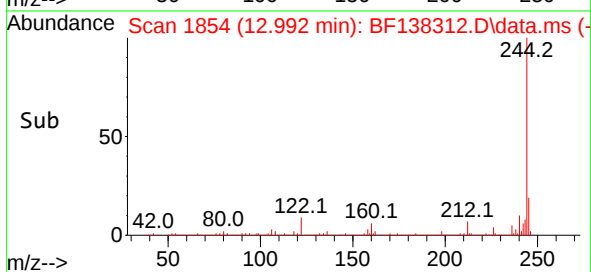
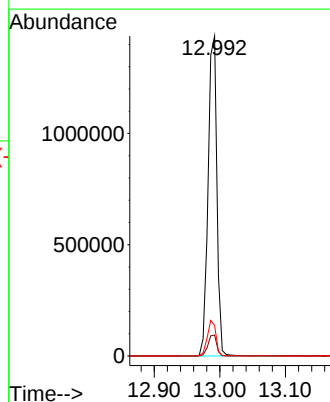
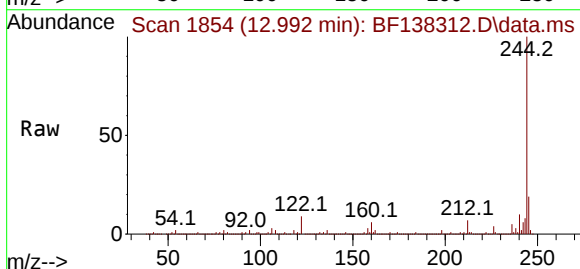
Tgt Ion:244 Resp: 1343689

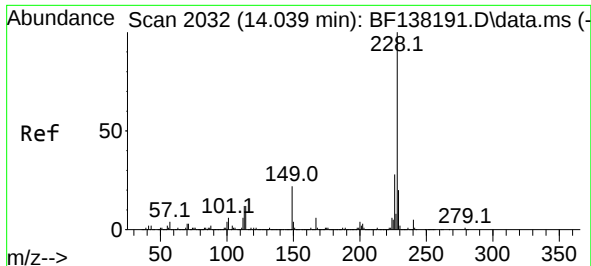
Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

122 9.5 10.6 15.8#

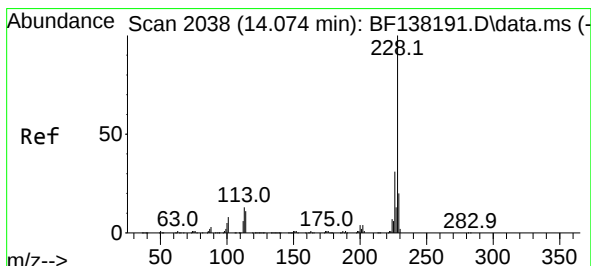
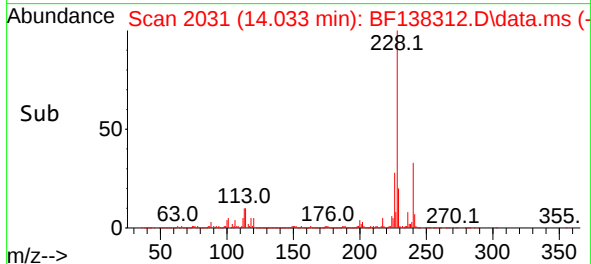
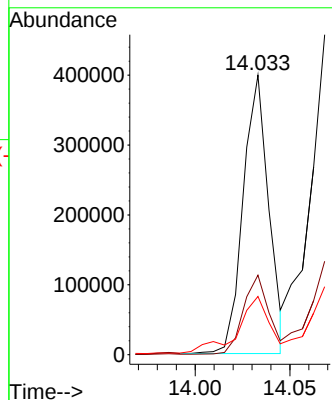
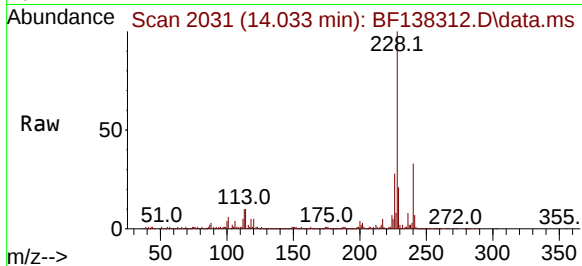




#81
Benzo(a)anthracene
Concen: 12.013 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

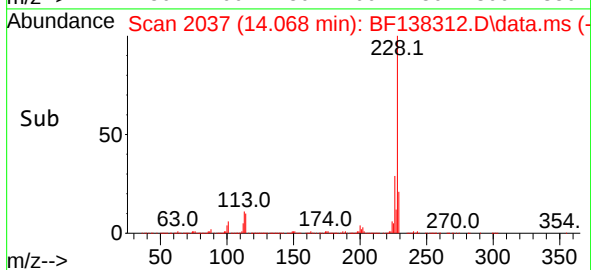
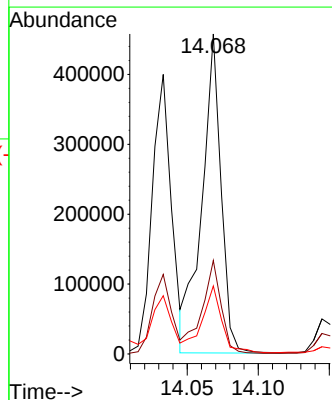
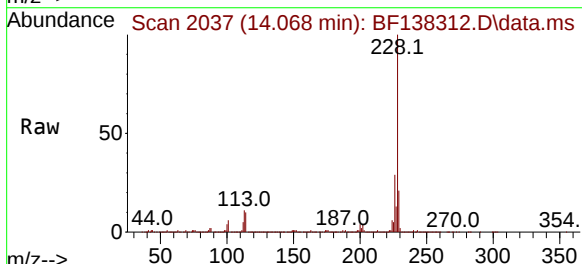
Instrument :
BNA_F
ClientSampleId :
BKG-3

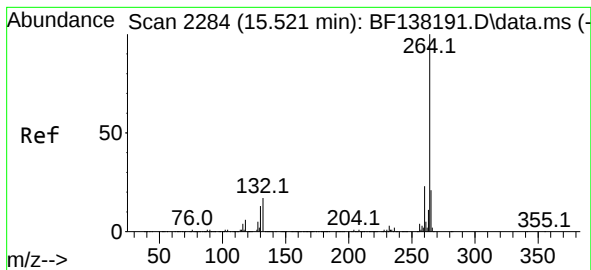
Tgt Ion:228 Resp: 374088
Ion Ratio Lower Upper
228 100
226 28.4 22.5 33.7
229 20.8 16.3 24.5



#83
Chrysene
Concen: 14.472 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Tgt Ion:228 Resp: 429569
Ion Ratio Lower Upper
228 100
226 29.2 24.5 36.7
229 21.2 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

Instrument :

BNA_F

ClientSampleId :

BKG-3

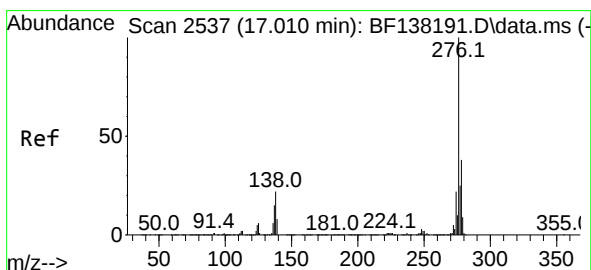
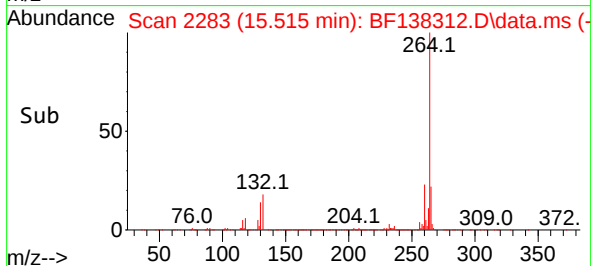
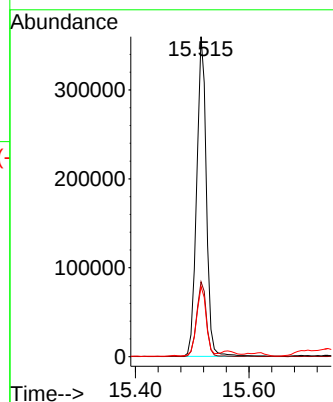
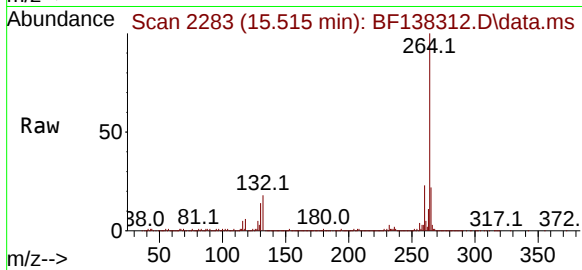
Tgt Ion:264 Resp: 428447

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.9 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.575 ng

RT: 16.986 min Scan# 2533

Delta R.T. -0.024 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

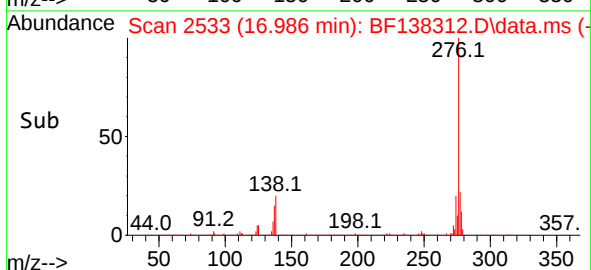
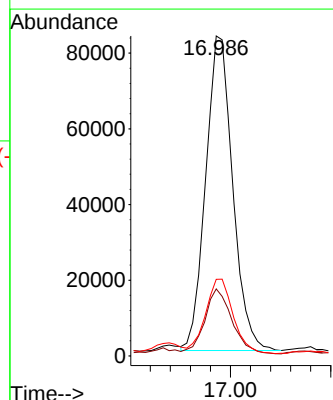
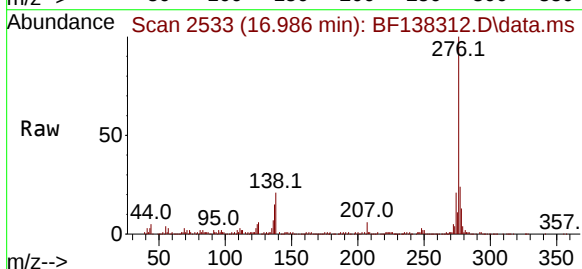
Tgt Ion:276 Resp: 155707

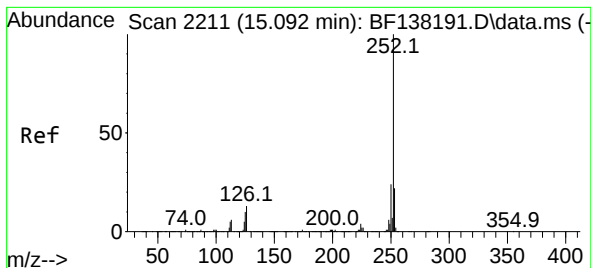
Ion Ratio Lower Upper

276 100

138 20.8 19.3 28.9

277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 28.312 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

Instrument :

BNA_F

ClientSampleId :

BKG-3

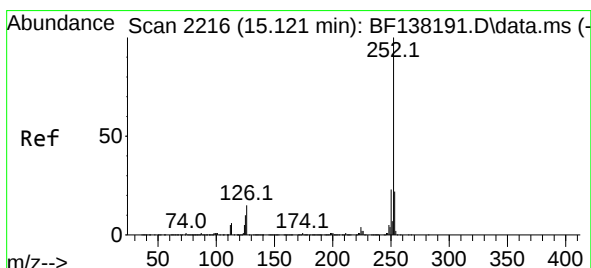
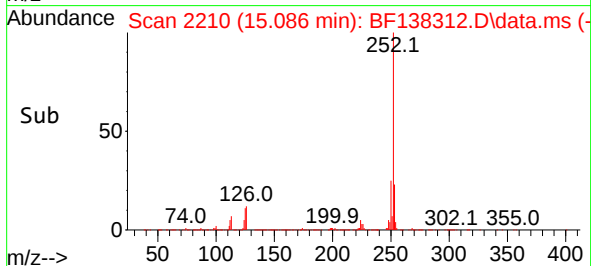
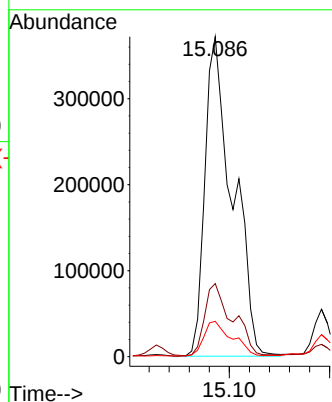
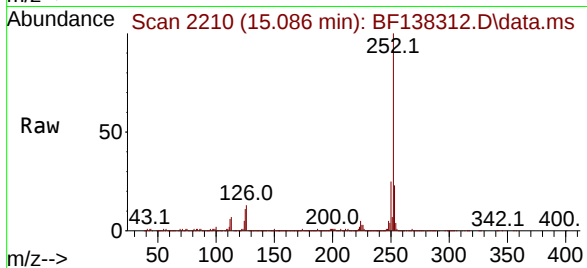
Tgt Ion:252 Resp: 715345

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 11.0 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 28.889 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.035 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

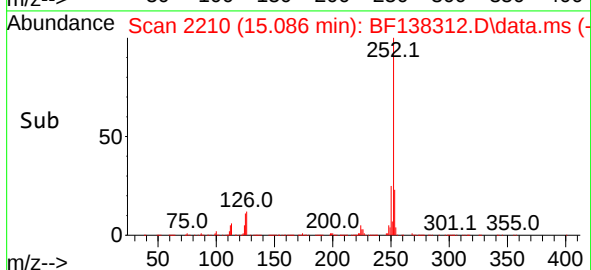
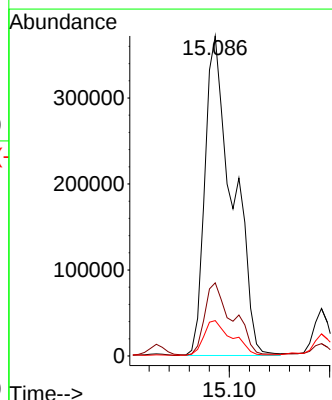
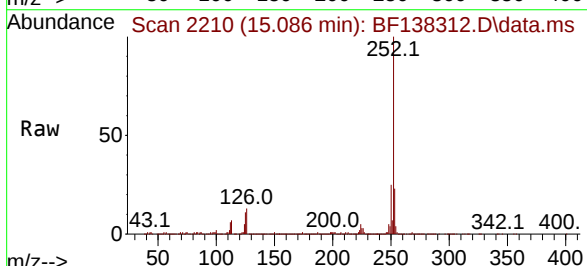
Tgt Ion:252 Resp: 715345

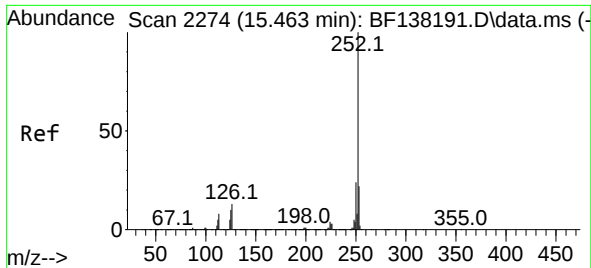
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 11.0 8.0 12.0

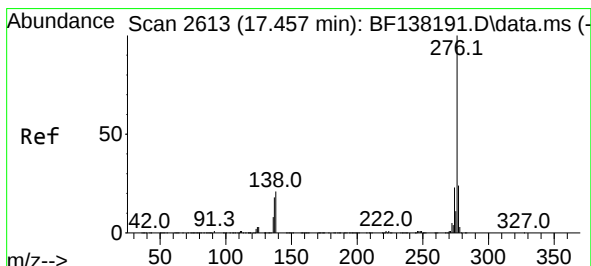
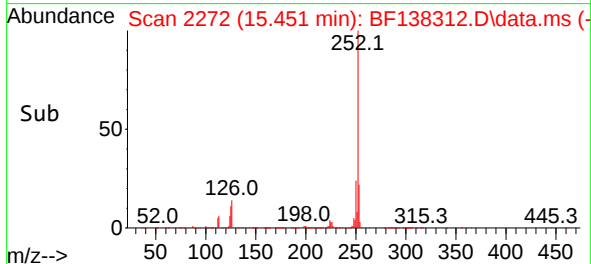
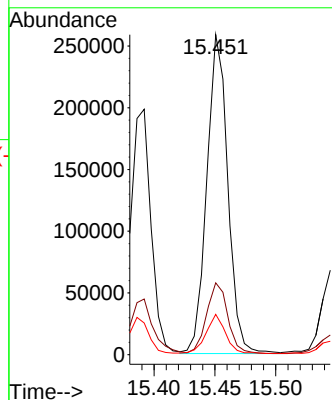
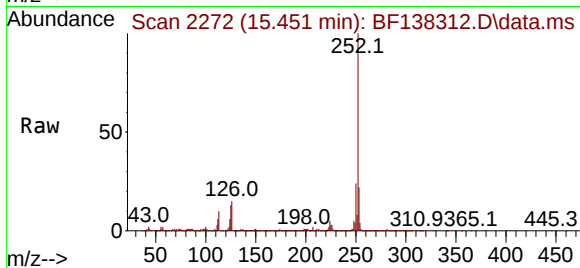




#90
Benzo(a)pyrene
Concen: 14.317 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Instrument :
BNA_F
ClientSampleId :
BKG-3

Tgt Ion:252 Resp: 310755
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 12.6 8.2 12.2#



#92
Benzo(g,h,i)perylene
Concen: 6.469 ng
RT: 17.433 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Tgt Ion:276 Resp: 153434
Ion Ratio Lower Upper
276 100
277 23.6 19.5 29.3
138 20.3 16.6 24.8

