

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138316.D
 Acq On : 24 Jun 2024 18:13
 Operator : CG\JU
 Sample : P2847-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BKG-2

Quant Time: Jun 24 18:53:06 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)

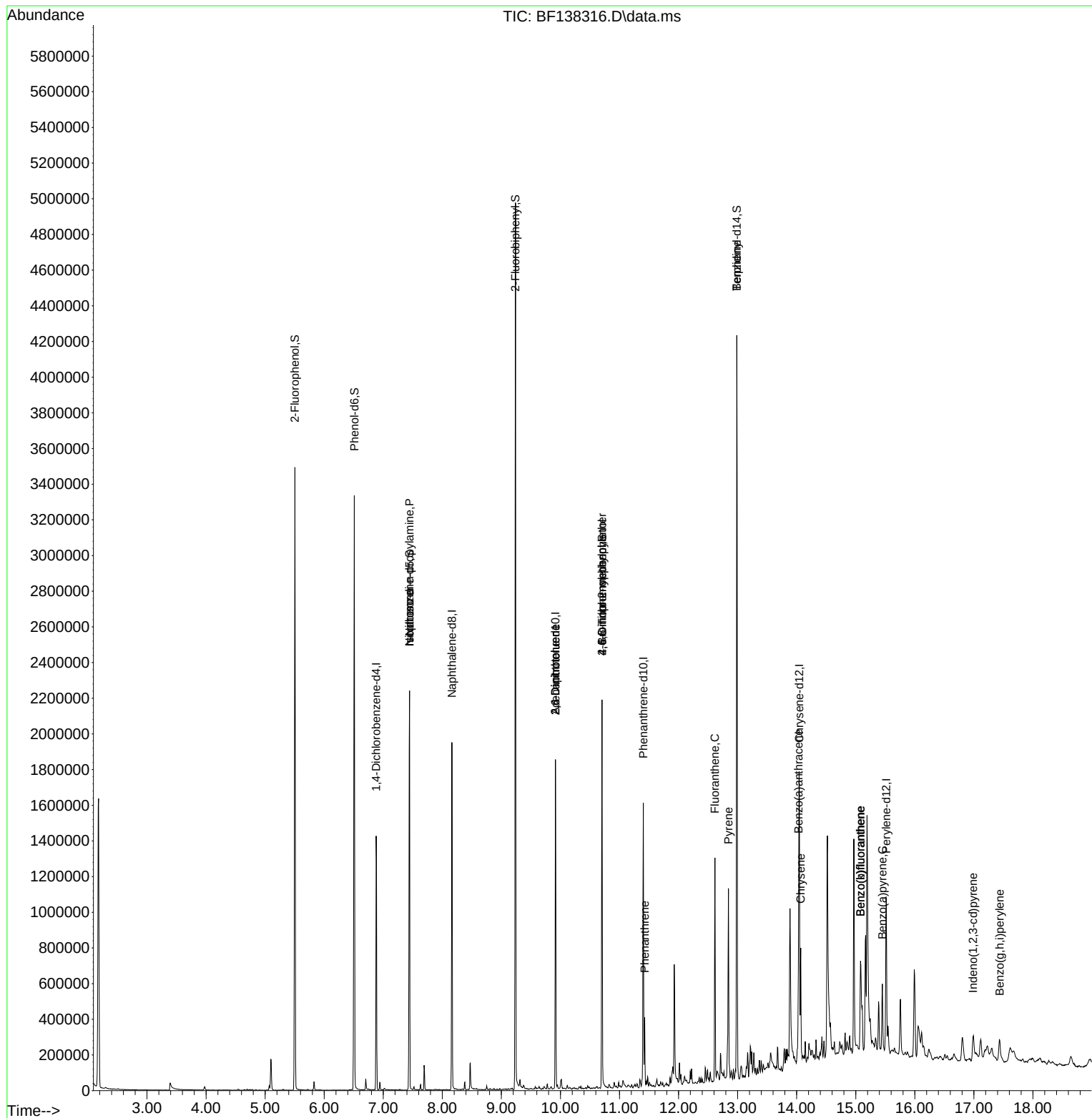
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	212584	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	784078	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	362840	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	535969	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	496659	20.000	ng	0.00
86) Perylene-d12	15.515	264	407209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	957846	75.373	ng	0.00
7) Phenol-d6	6.510	99	1139328	70.703	ng	-0.01
23) Nitrobenzene-d5	7.445	82	690103	51.239	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	251697	69.681	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1399990	61.355	ng	-0.01
79) Terphenyl-d14	12.986	244	1421884	45.343	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	90756	9.501	ng	# 74
25) Isophorone	7.445	82	685721	28.148	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	47493	9.847	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	47493	7.984	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	455	7.077	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	15878	2.629	ng	# 1
71) Phenanthrene	11.427	178	127568	4.813	ng	96
75) Fluoranthene	12.616	202	431706	15.972	ng	98
77) Benzidine	12.986	184	17317	3.014	ng	# 93
78) Pyrene	12.845	202	399306	9.321	ng	98
81) Benzo(a)anthracene	14.033	228	200937	6.306	ng	98
83) Chrysene	14.068	228	249566	8.217	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	104419	3.933	ng	97
88) Benzo(b)fluoranthene	15.080	252	391018	16.283	ng	97
89) Benzo(k)fluoranthene	15.080	252	391018	16.615	ng	97
90) Benzo(a)pyrene	15.451	252	173270	8.399	ng	99
92) Benzo(g,h,i)perylene	17.439	276	105273	4.670	ng	97

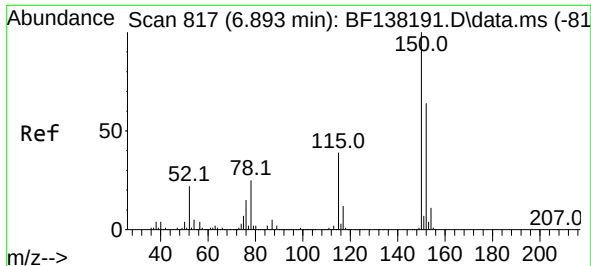
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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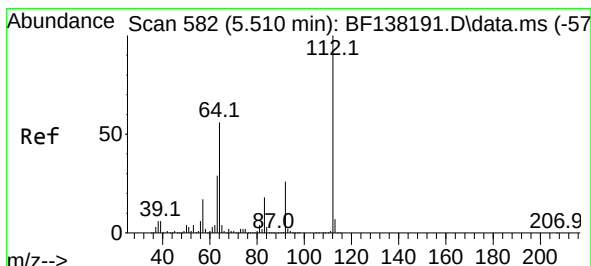
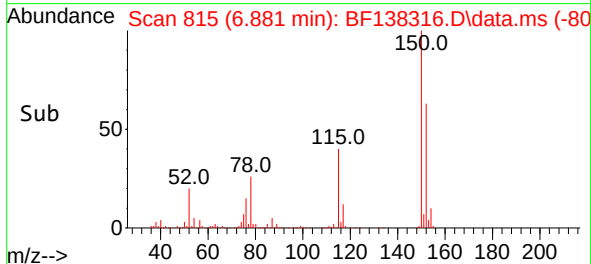
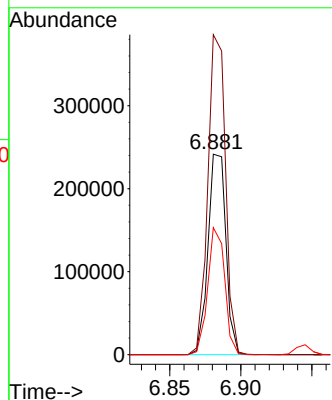
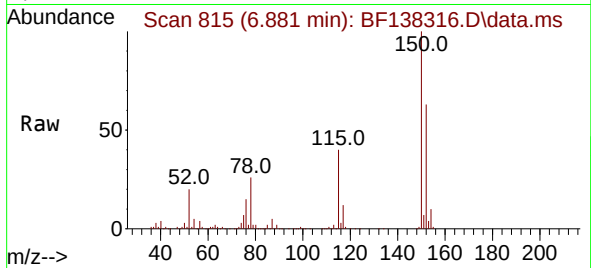




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 815
 Delta R.T. -0.012 min
 Lab File: BF138316.D
 Acq: 24 Jun 2024 18:13

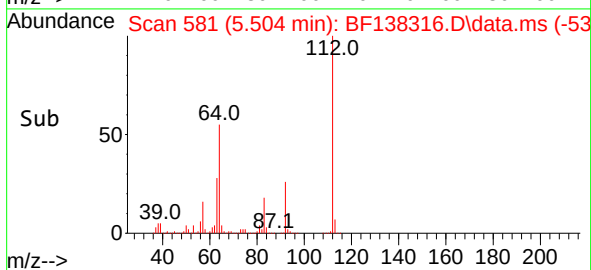
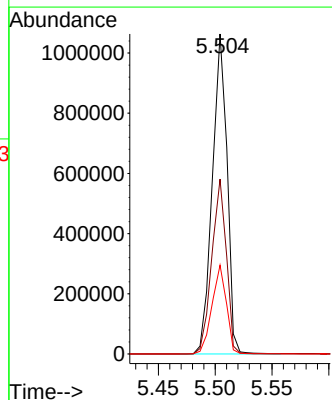
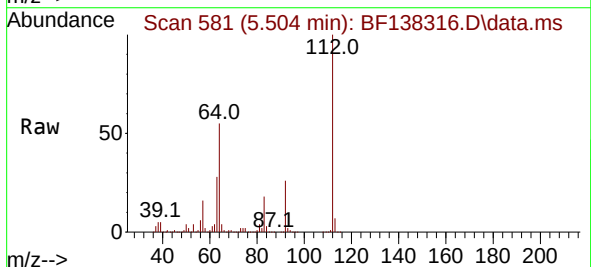
Instrument :
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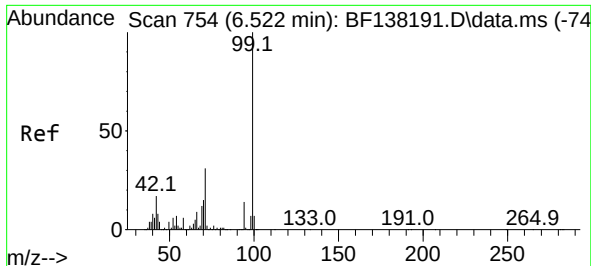
Tgt Ion:152 Resp: 212584
 Ion Ratio Lower Upper
 152 100
 150 159.6 125.0 187.4
 115 63.4 48.4 72.6



#5
 2-Fluorophenol
 Concen: 75.373 ng
 RT: 5.504 min Scan# 581
 Delta R.T. -0.006 min
 Lab File: BF138316.D
 Acq: 24 Jun 2024 18:13

Tgt Ion:112 Resp: 957846
 Ion Ratio Lower Upper
 112 100
 64 54.6 45.2 67.8
 63 27.7 22.9 34.3

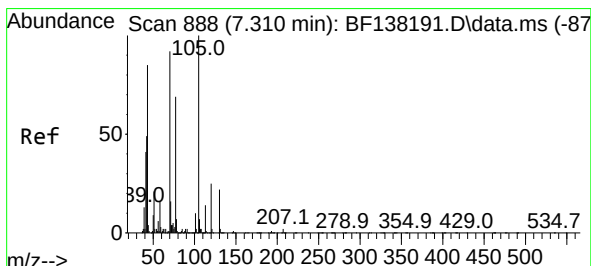
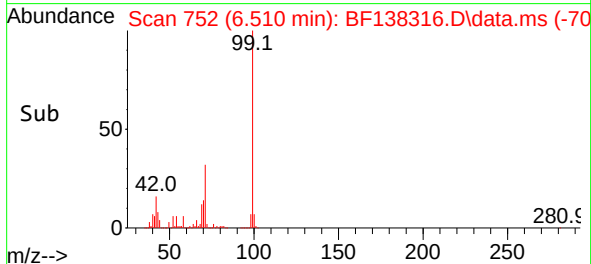
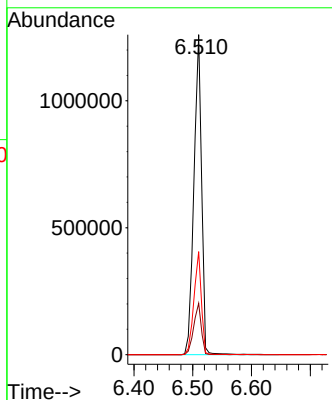
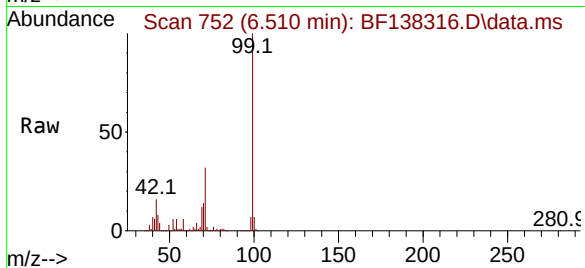




#7
Phenol-d6
Concen: 70.703 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

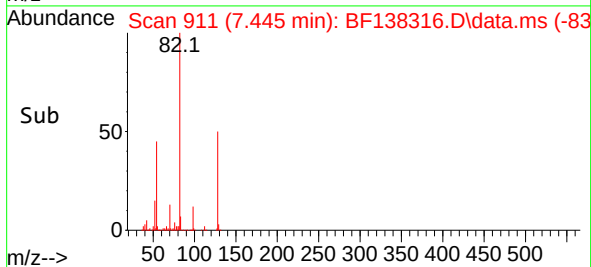
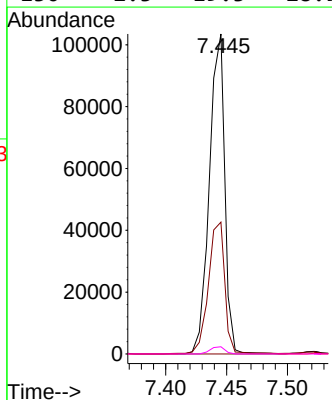
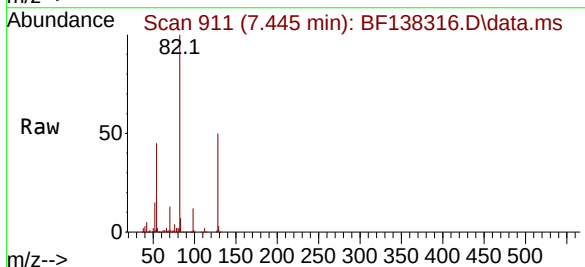
Instrument :
BNA_F
ClientSampleId :
BKG-2

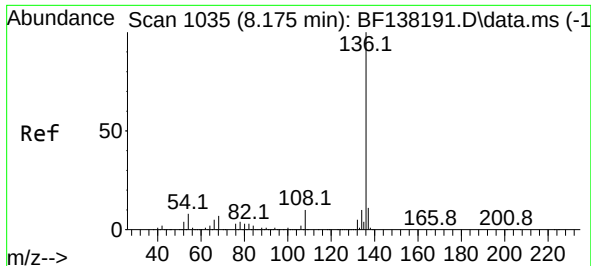
Tgt Ion: 99 Resp: 1139328
Ion Ratio Lower Upper
99 100
42 16.0 13.7 20.5
71 32.2 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.501 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Tgt Ion: 70 Resp: 90756
Ion Ratio Lower Upper
70 100
42 41.2 42.8 64.2#
101 0.0 8.4 12.6#
130 2.3 19.3 28.9#

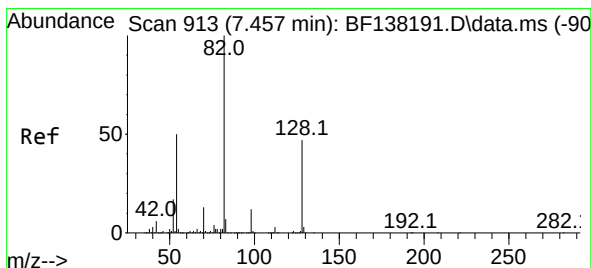
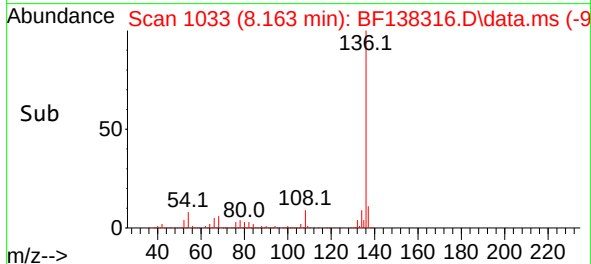
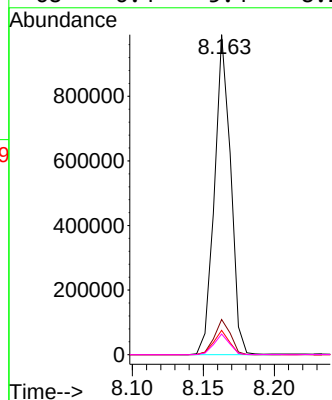
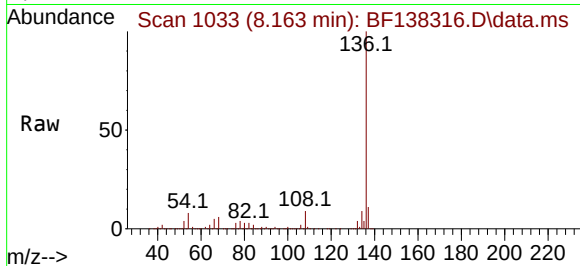




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

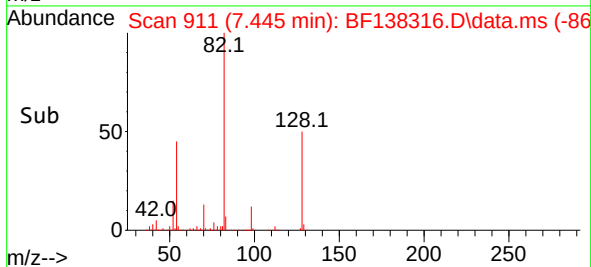
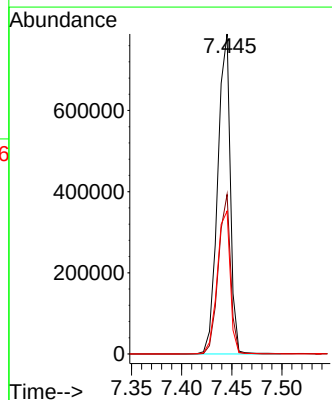
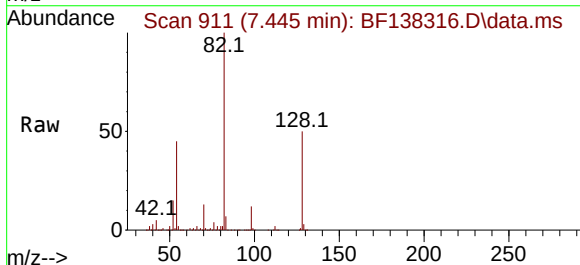
Instrument :
BNA_F
ClientSampleId :
BKG-2

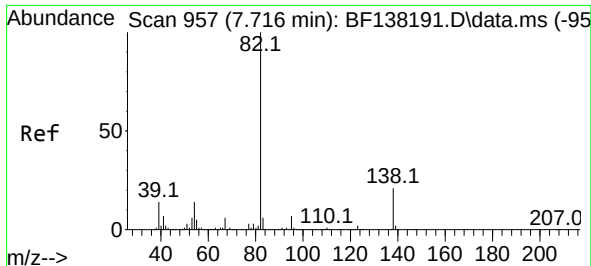
Tgt Ion:	136	Resp:	784078
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.6	6.6	10.0
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 51.239 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Tgt Ion:	82	Resp:	690103
Ion	Ratio	Lower	Upper
82	100		
128	49.8	37.2	55.8
54	44.6	39.8	59.6

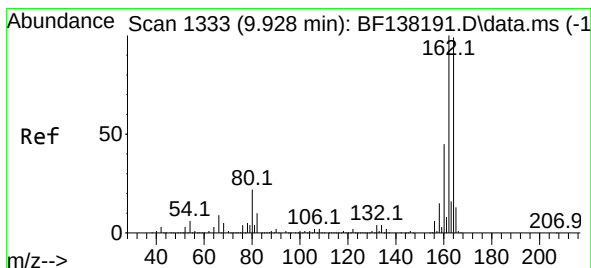
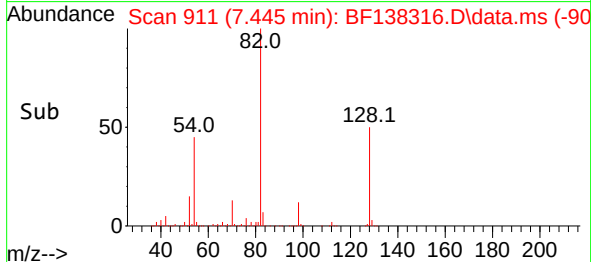
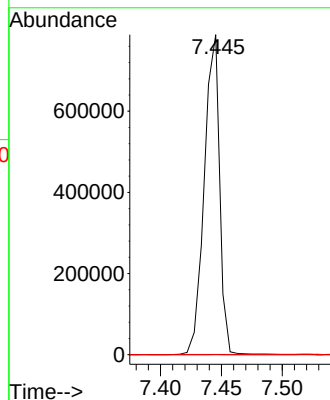
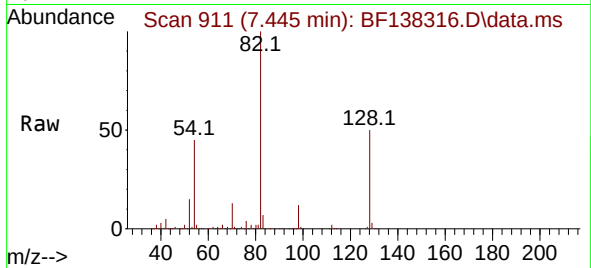




#25
Isophorone
Concen: 28.148 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

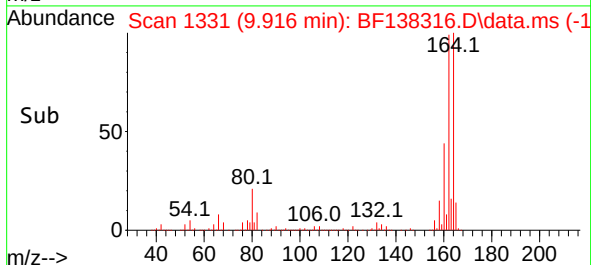
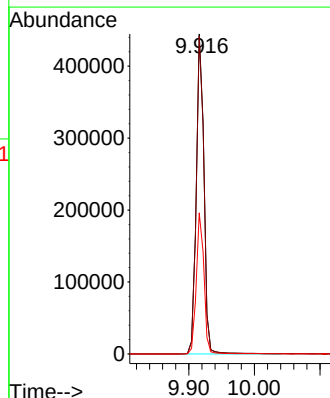
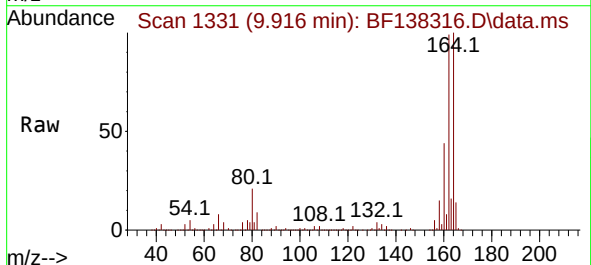
Instrument :
BNA_F
ClientSampleId :
BKG-2

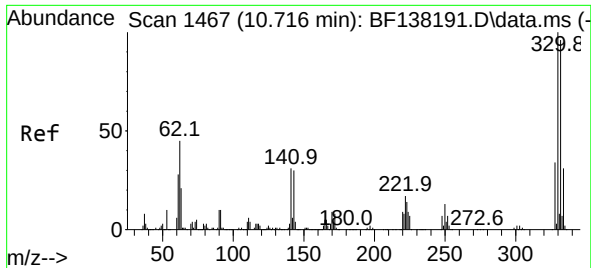
Tgt Ion: 82 Resp: 685721
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Tgt Ion: 164 Resp: 362840
Ion Ratio Lower Upper
164 100
162 99.4 80.6 121.0
160 44.1 36.3 54.5

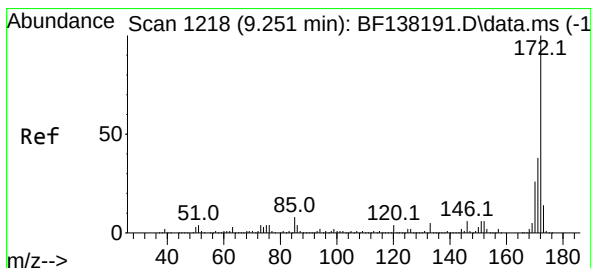
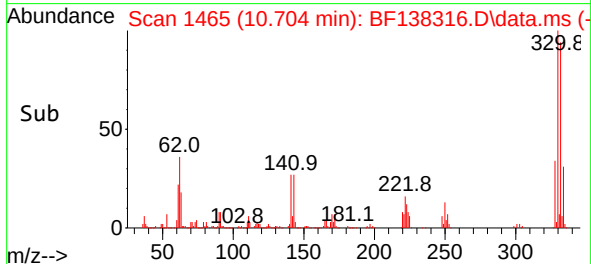
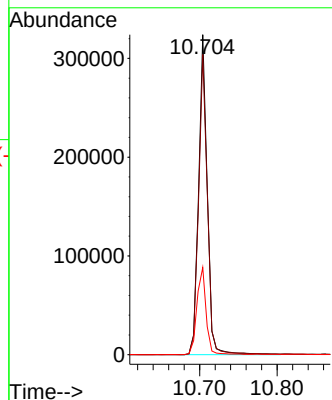
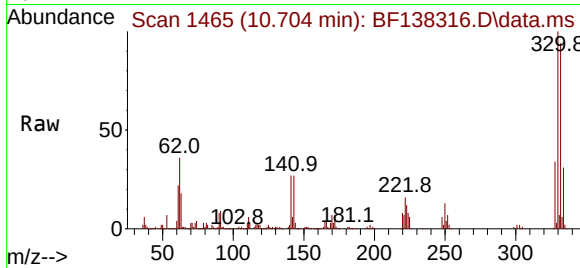




#42
2,4,6-Tribromophenol
Concen: 69.681 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

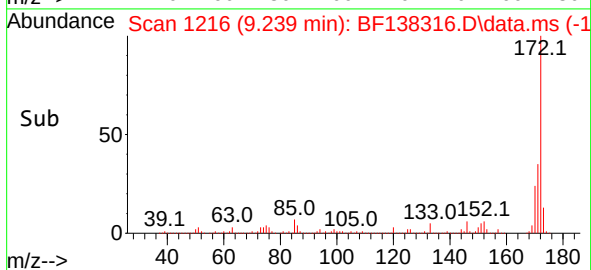
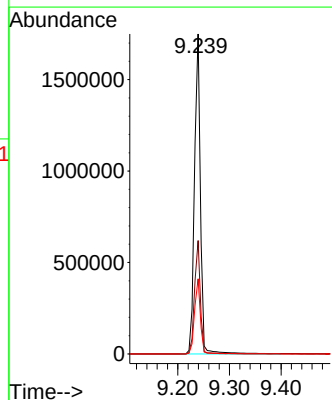
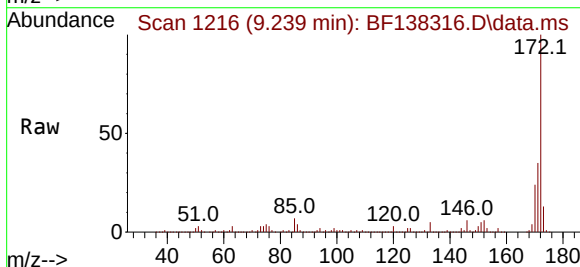
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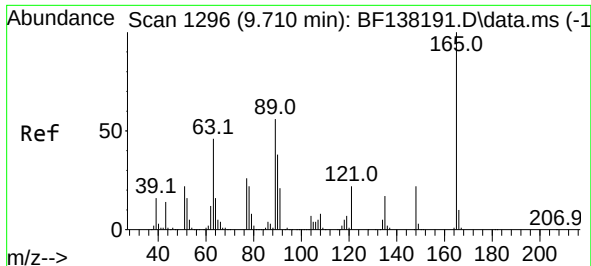
Tgt Ion:330 Resp: 251697
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 29.2 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 61.355 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Tgt Ion:172 Resp: 1399990
Ion Ratio Lower Upper
172 100
171 35.4 30.3 45.5
170 23.5 20.6 30.8

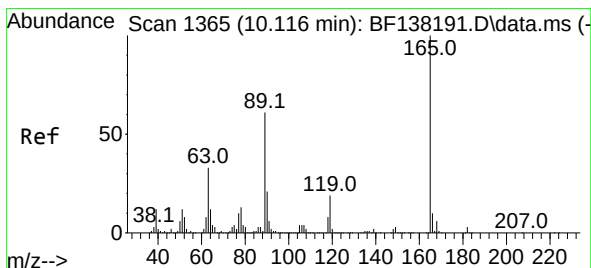
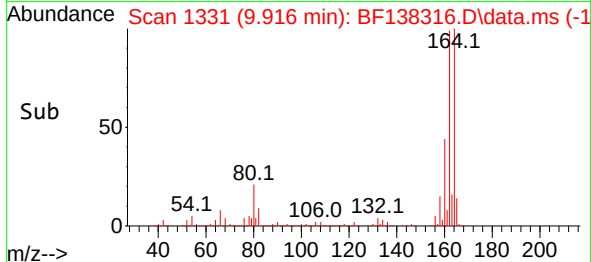
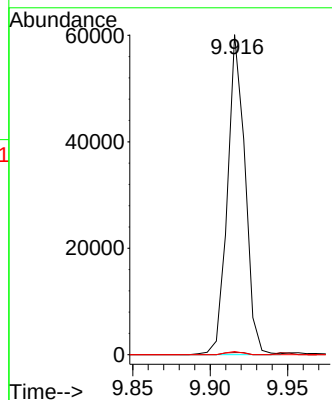
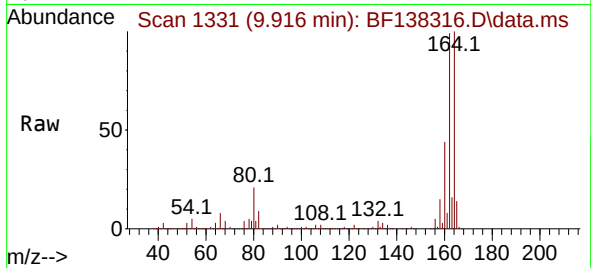




#51
2,6-Dinitrotoluene
Concen: 9.847 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.206 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

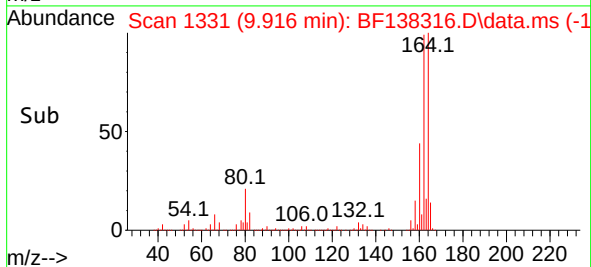
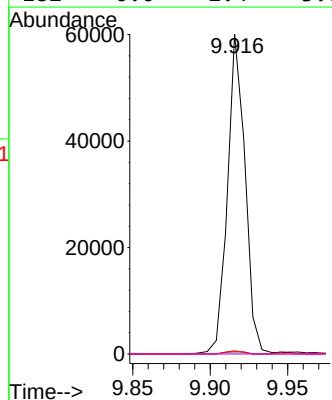
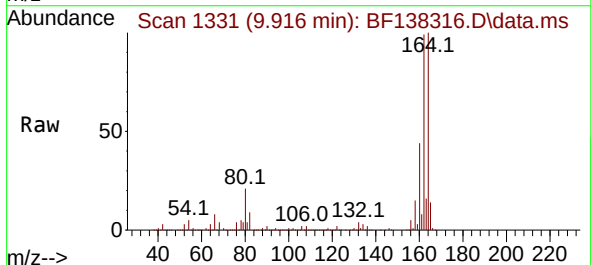
Instrument :
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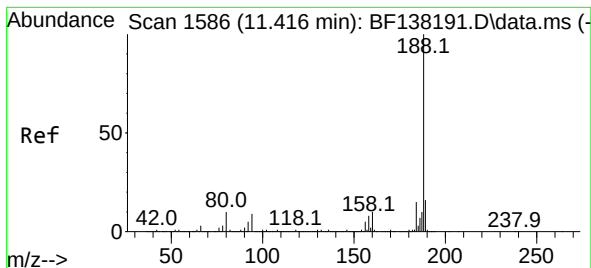
Tgt Ion:165 Resp: 47493
Ion Ratio Lower Upper
165 100
63 0.7 43.7 65.5#
89 1.0 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 7.984 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Tgt Ion:165 Resp: 47493
Ion Ratio Lower Upper
165 100
63 0.7 26.6 39.8#
89 1.0 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: BF138316.D

Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

ClientSampleId :

BKG-2

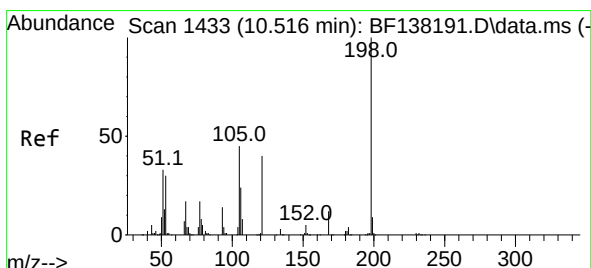
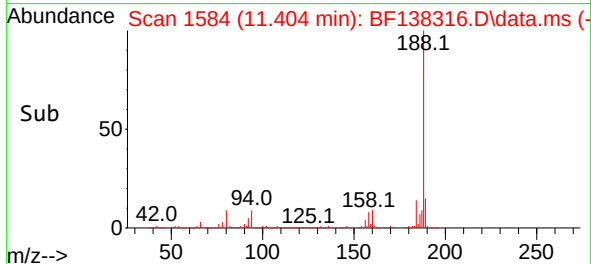
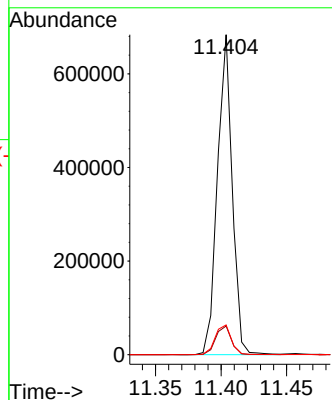
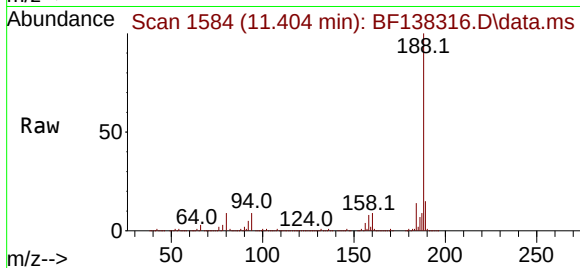
Tgt Ion:188 Resp: 535969

Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 9.3 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.077 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

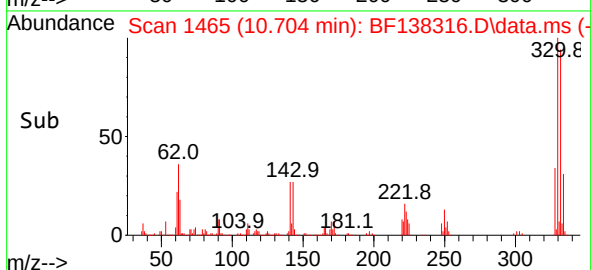
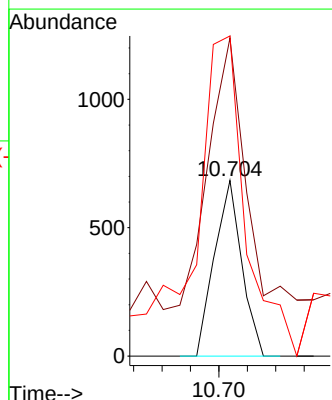
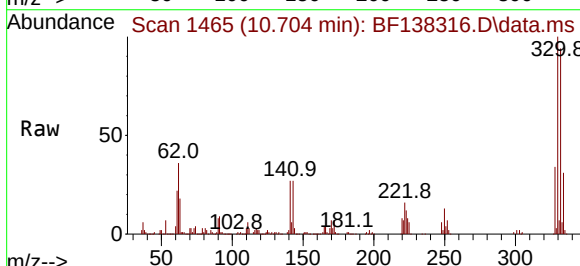
Tgt Ion:198 Resp: 455

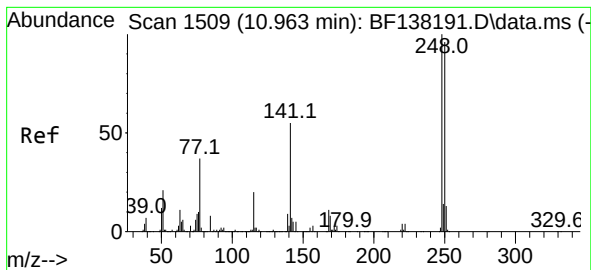
Ion Ratio Lower Upper

198 100

51 181.1 26.9 66.9#

105 182.3 26.0 66.0#

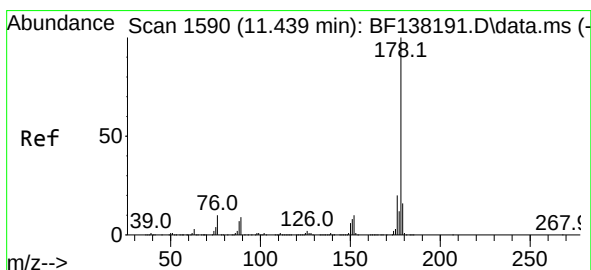
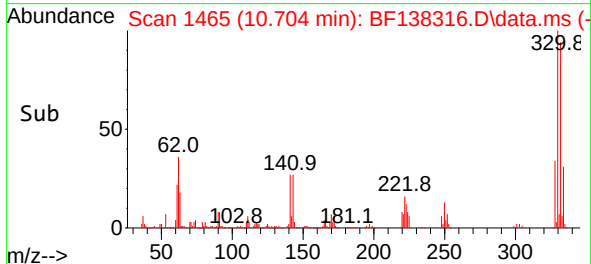
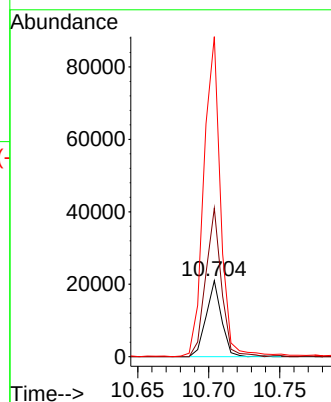
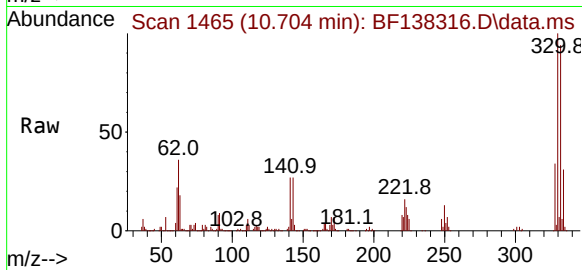




#67
4-Bromophenyl-phenylether
Concen: 2.629 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.259 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

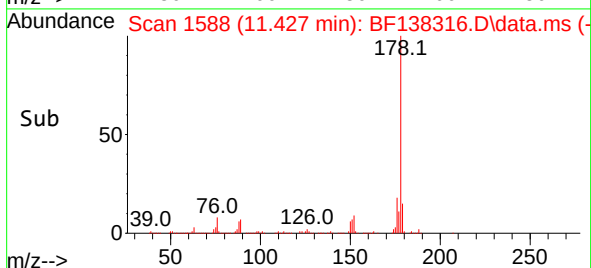
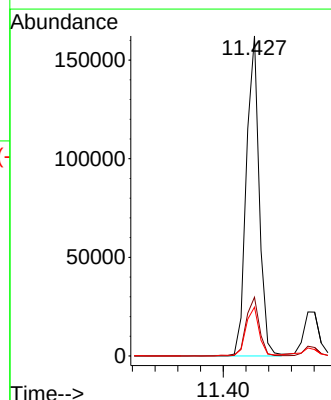
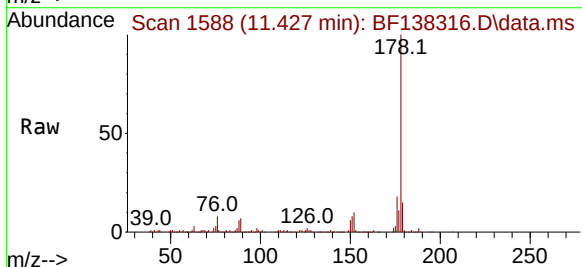
Instrument :
BNA_F
ClientSampleId :
BKG-2

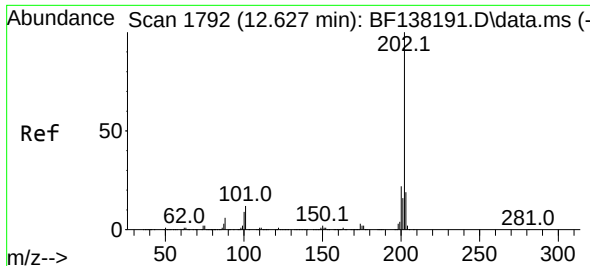
Tgt Ion:248 Resp: 15878
Ion Ratio Lower Upper
248 100
250 195.0 77.2 115.8#
141 420.6 44.1 66.1#



#71
Phenanthrene
Concen: 4.813 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Tgt Ion:178 Resp: 127568
Ion Ratio Lower Upper
178 100
176 18.4 16.4 24.6
179 15.3 13.1 19.7

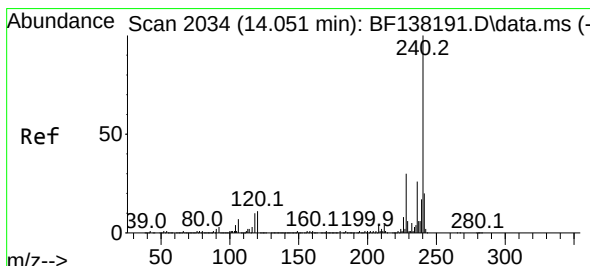
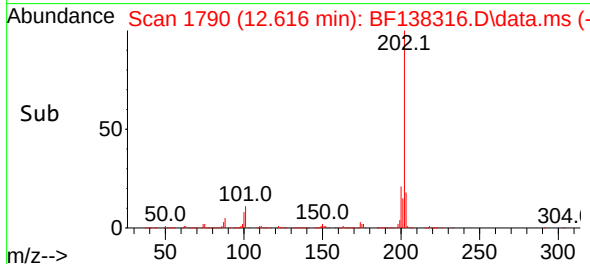
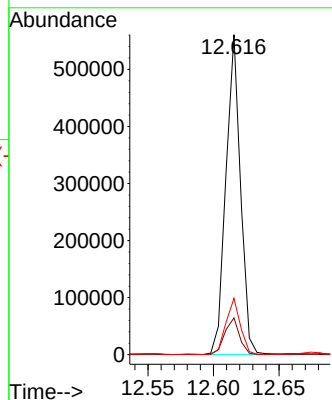
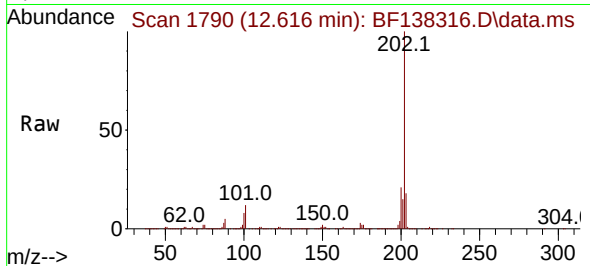




#75
Fluoranthene
Concen: 15.972 ng
RT: 12.616 min Scan# 1792
Delta R.T. -0.012 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

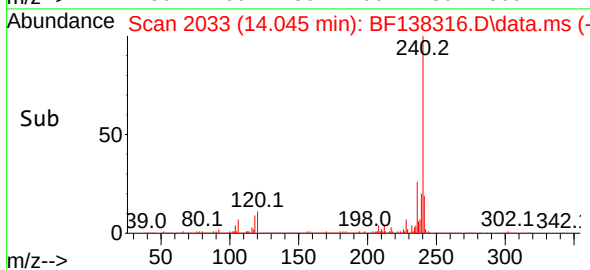
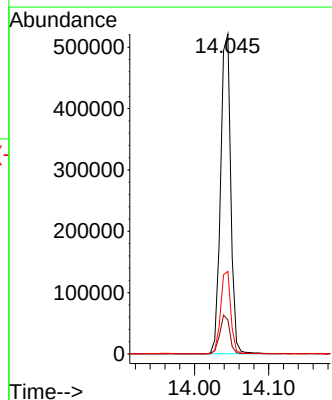
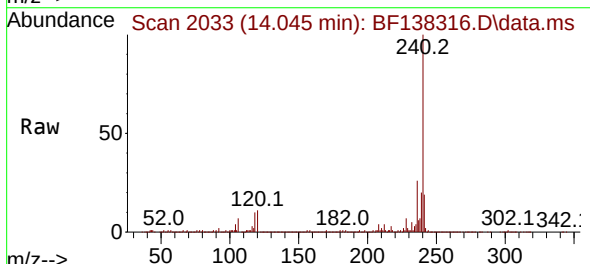
Instrument :
BNA_F
ClientSampleId :
BKG-2

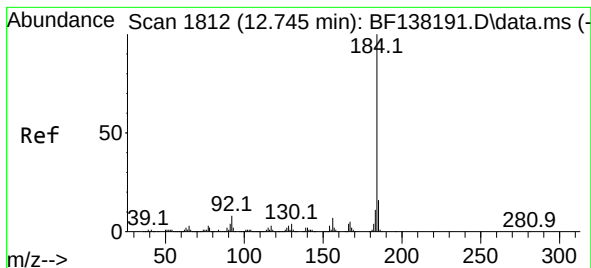
Tgt Ion:202 Resp: 431706
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.8
203 17.6 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Tgt Ion:240 Resp: 496659
Ion Ratio Lower Upper
240 100
120 10.6 9.2 13.8
236 25.8 21.0 31.6





#77

Benzidine

Concen: 3.014 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.241 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

ClientSampleId :

BKG-2

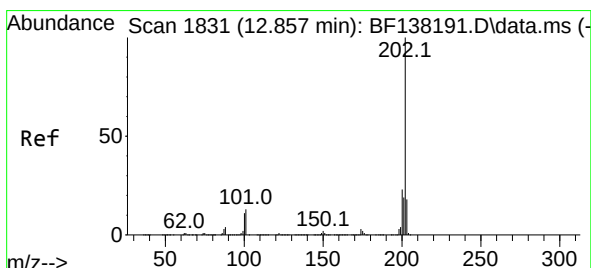
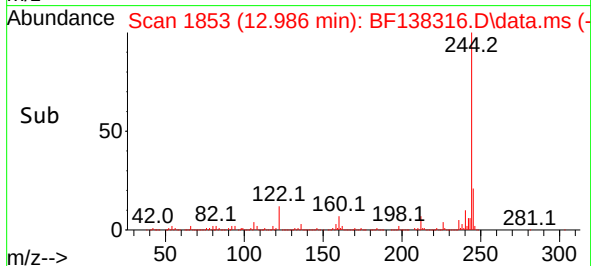
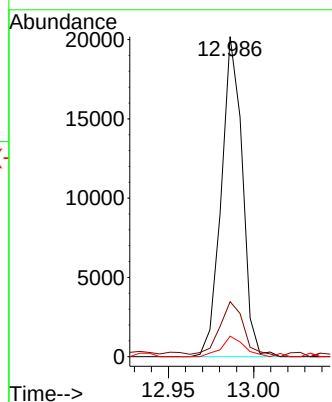
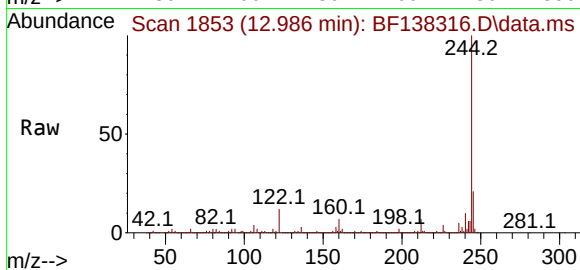
Tgt Ion:184 Resp: 17317

Ion Ratio Lower Upper

184 100

185 17.2 12.6 19.0

183 6.4 9.0 13.6#



#78

Pyrene

Concen: 9.321 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

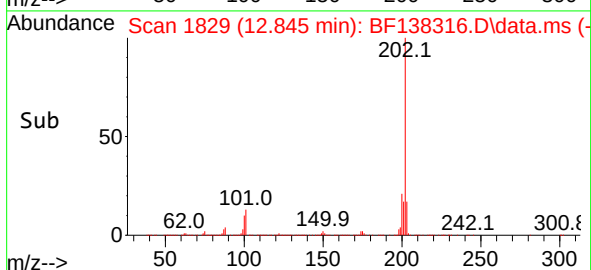
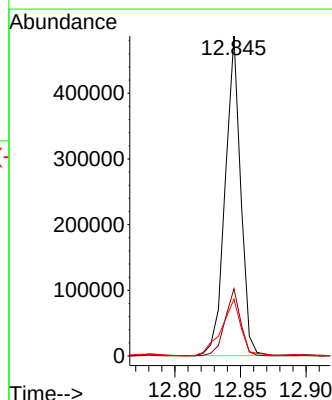
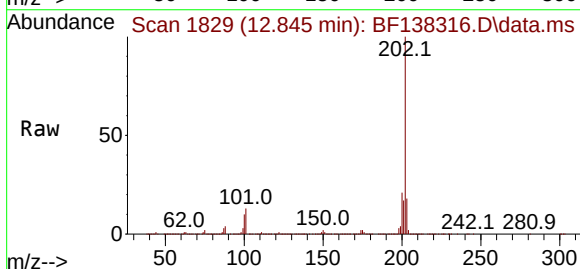
Tgt Ion:202 Resp: 399306

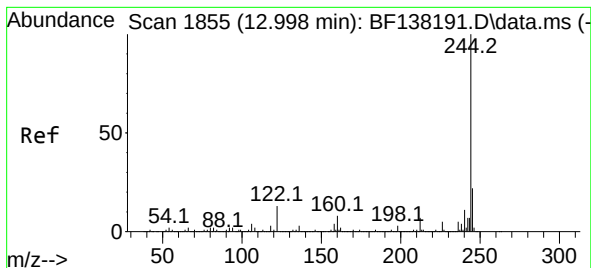
Ion Ratio Lower Upper

202 100

200 21.0 18.0 27.0

203 17.7 14.7 22.1





#79

Terphenyl-d14

Concen: 45.343 ng

RT: 12.986 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

ClientSampleId :

BKG-2

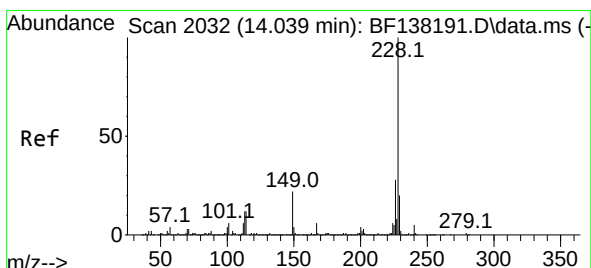
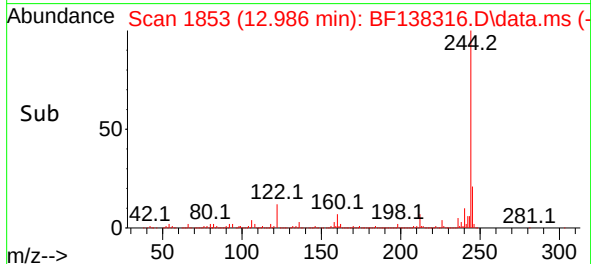
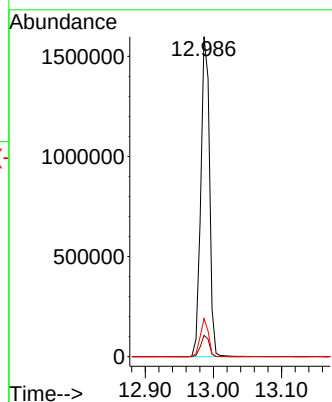
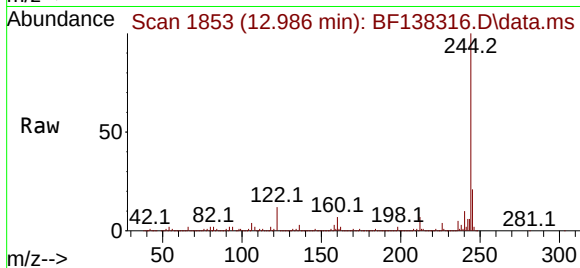
Tgt Ion:244 Resp: 1421884

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 12.0 10.6 15.8



#81

Benzo(a)anthracene

Concen: 6.306 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

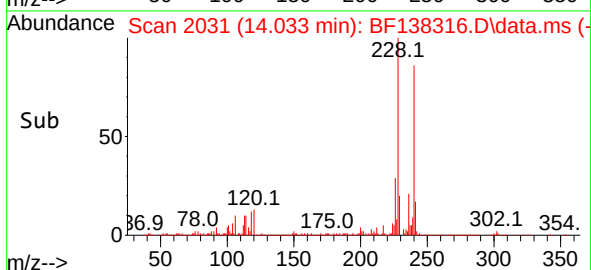
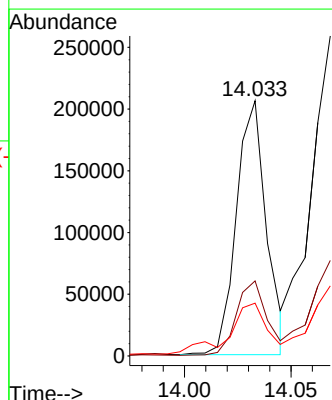
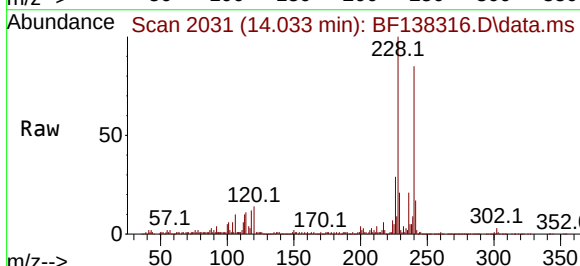
Tgt Ion:228 Resp: 200937

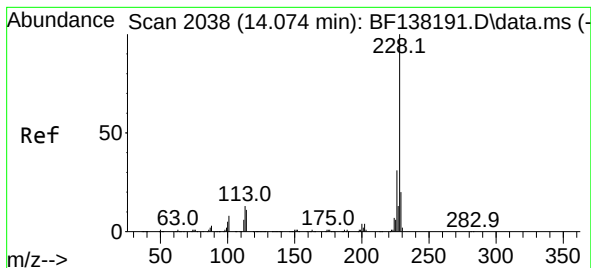
Ion Ratio Lower Upper

228 100

226 29.4 22.5 33.7

229 20.7 16.3 24.5





#83

Chrysene

Concen: 8.217 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

ClientSampleId :

BKG-2

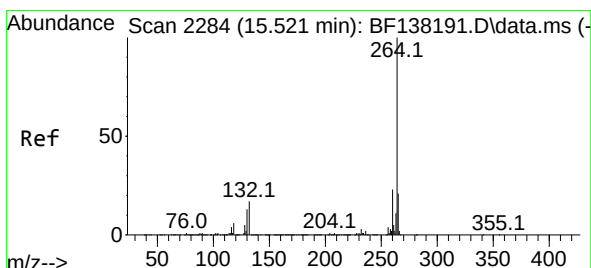
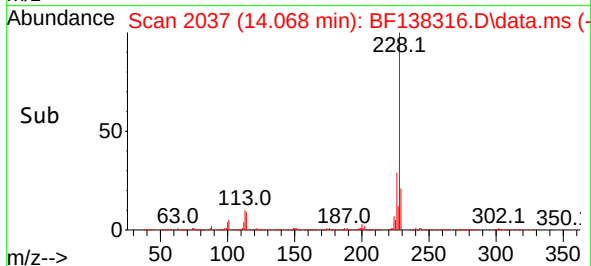
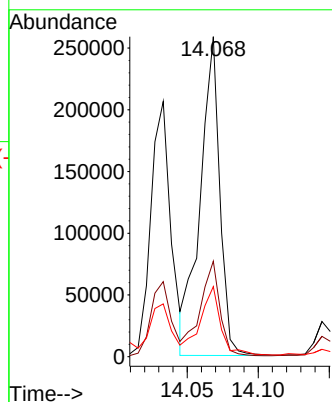
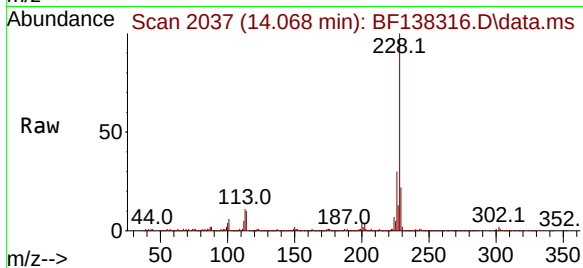
Tgt Ion:228 Resp: 249566

Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

229 21.9 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

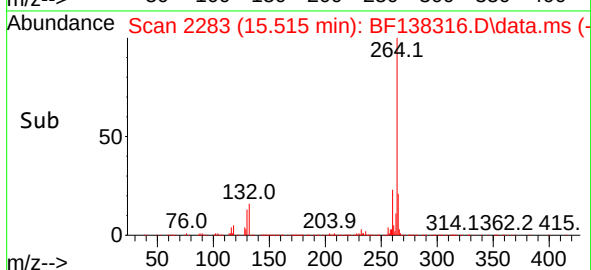
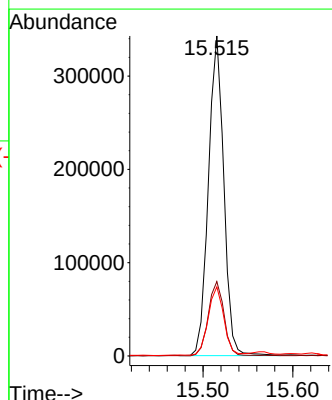
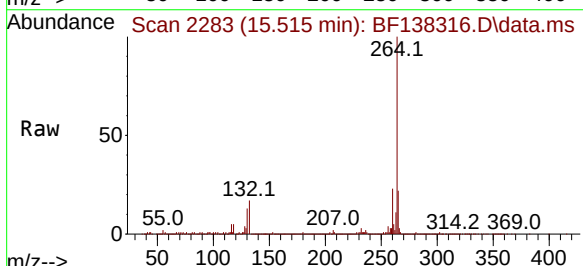
Tgt Ion:264 Resp: 407209

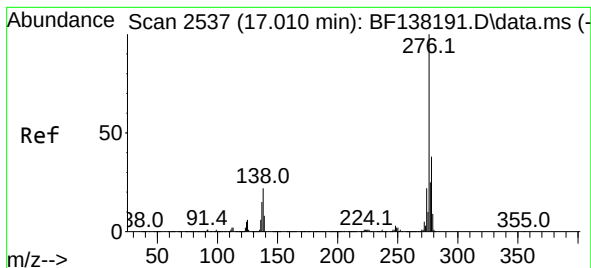
Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.933 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

ClientSampleId :

BKG-2

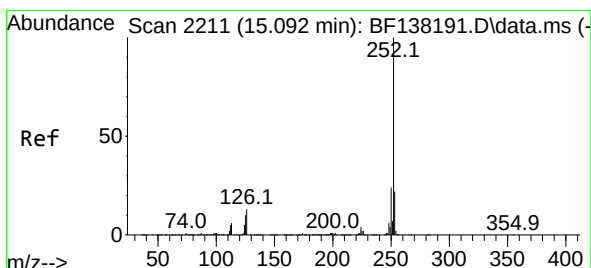
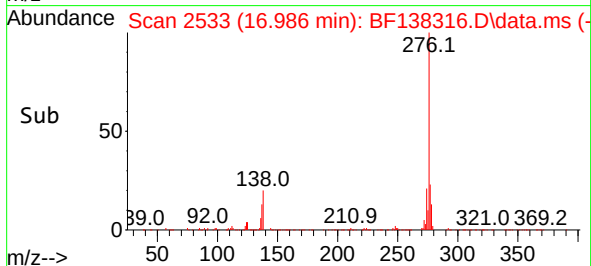
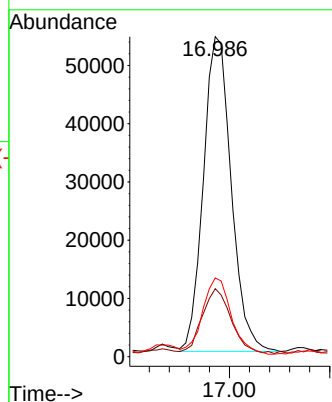
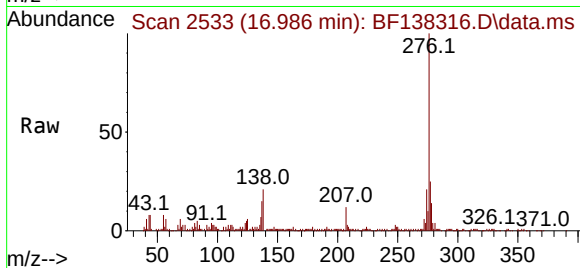
Tgt Ion:276 Resp: 104419

Ion Ratio Lower Upper

276 100

138 21.3 19.3 28.9

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 16.283 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

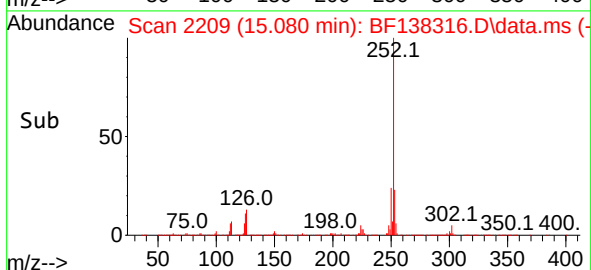
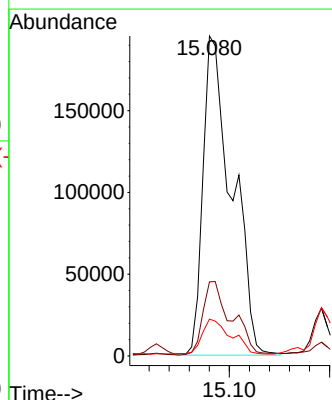
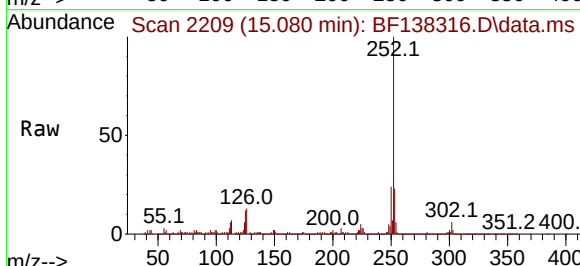
Tgt Ion:252 Resp: 391018

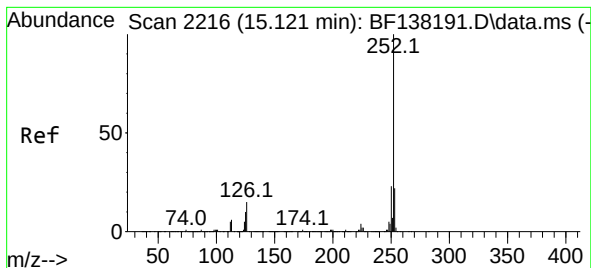
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 11.5 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 16.615 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.041 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

Instrument :

BNA_F

ClientSampleId :

BKG-2

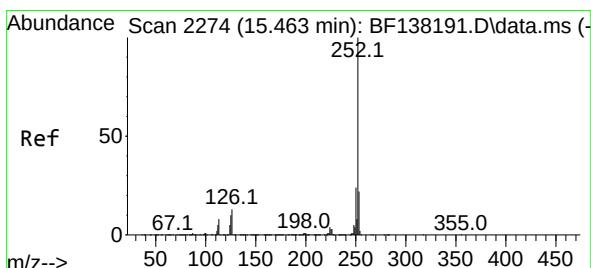
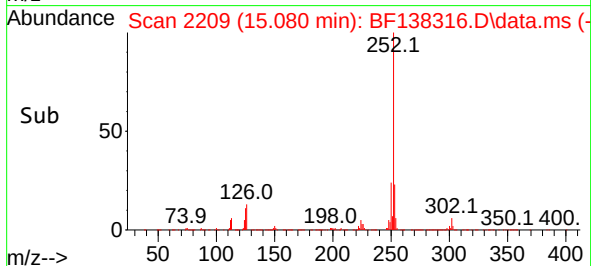
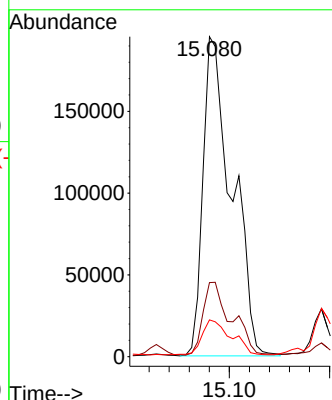
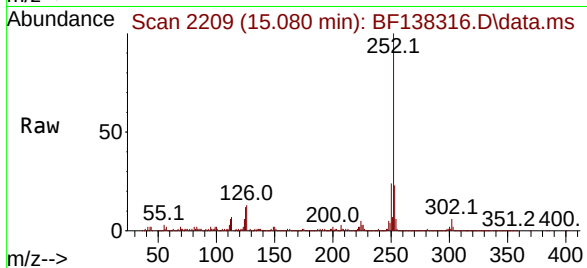
Tgt Ion:252 Resp: 391018

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 11.5 8.0 12.0



#90

Benzo(a)pyrene

Concen: 8.399 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF138316.D

Acq: 24 Jun 2024 18:13

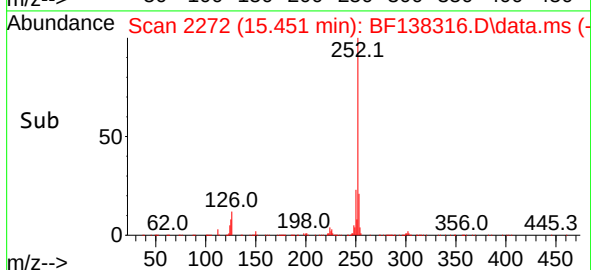
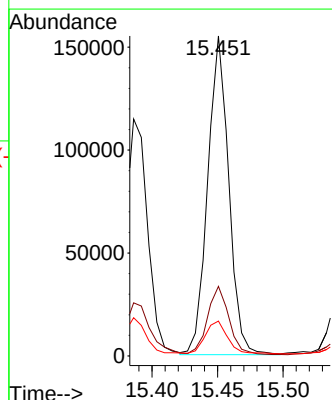
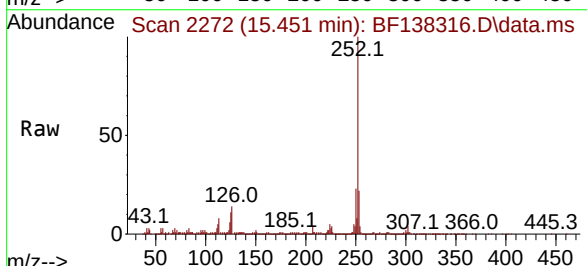
Tgt Ion:252 Resp: 173270

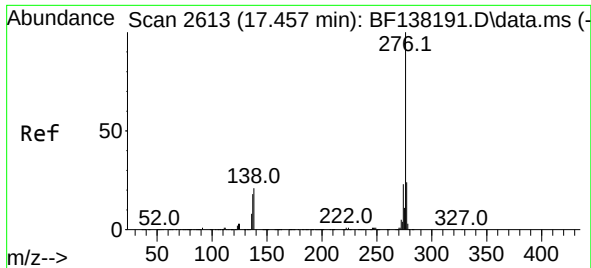
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 10.9 8.2 12.2





#92
Benzo(g,h,i)perylene
Concen: 4.670 ng
RT: 17.439 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF138316.D
Acq: 24 Jun 2024 18:13

Instrument :
BNA_F
ClientSampleId :
BKG-2

Tgt Ion:276 Resp: 105273
Ion Ratio Lower Upper
276 100
277 23.6 19.5 29.3
138 18.5 16.6 24.8

