

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138318.D
 Acq On : 24 Jun 2024 19:12
 Operator : CG\JU
 Sample : P2995-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-06202024

Quant Time: Jun 25 01:17:08 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)

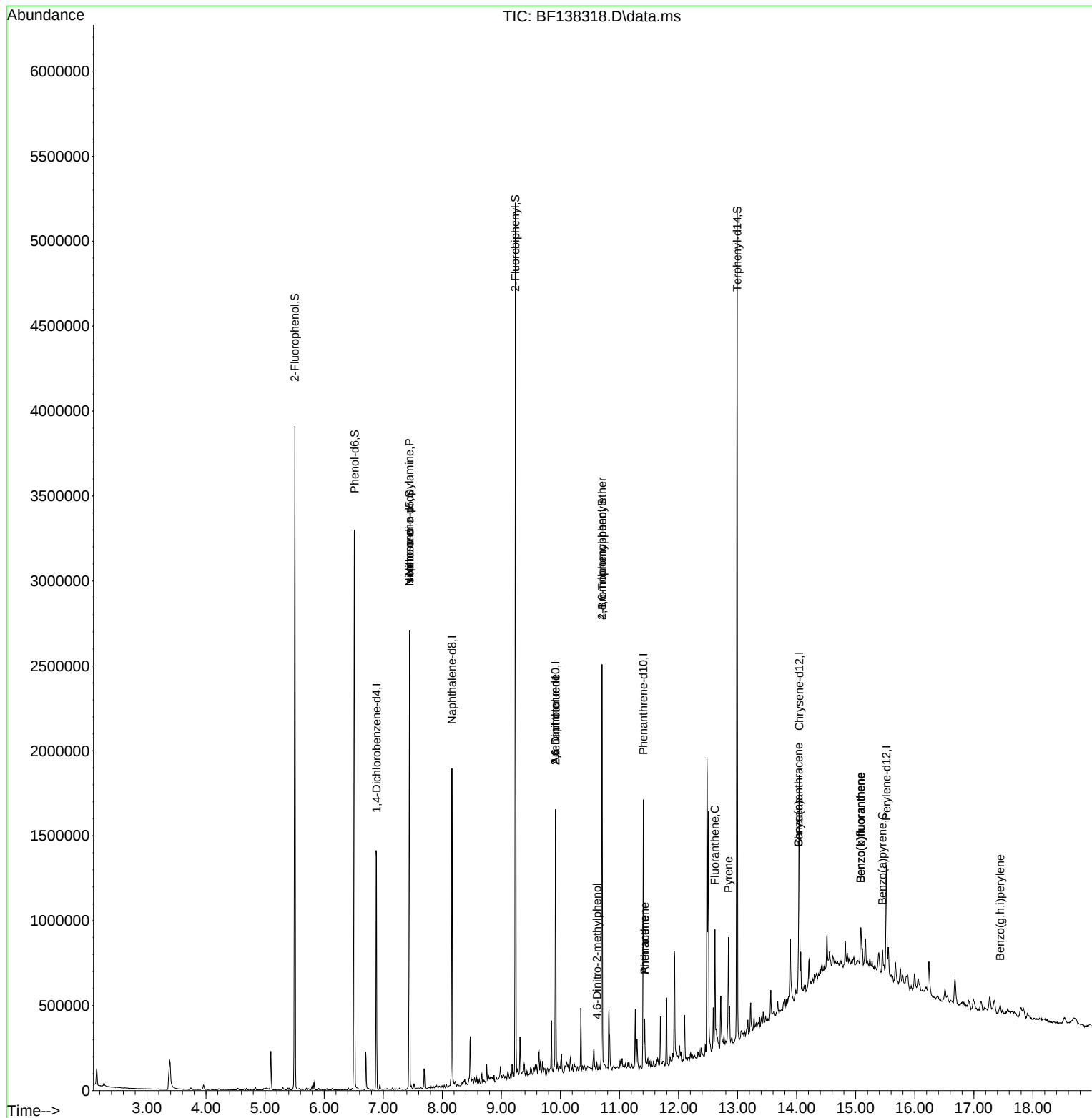
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	216702	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	742229	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	323949	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	523127	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	418776	20.000	ng	0.00
86) Perylene-d12	15.521	264	323930	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1107923	85.526	ng	0.00
7) Phenol-d6	6.516	99	1330950	81.025	ng	0.00
23) Nitrobenzene-d5	7.446	82	794526	62.318	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	284551	88.233	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1454051	71.374	ng	-0.01
79) Terphenyl-d14	12.992	244	1618644	61.218	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.446	70	102638	10.541	ng	# 76
25) Isophorone	7.446	82	793259	34.398	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	43185	10.029	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	43185	8.131	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.622	198	128	6.975	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	17824	3.024	ng	# 1
71) Phenanthrene	11.428	178	91778	3.548	ng	98
72) Anthracene	11.428	178	91778	3.573	ng	99
75) Fluoranthene	12.616	202	231293	8.768	ng	98
78) Pyrene	12.845	202	236948	6.560	ng	98
81) Benzo(a)anthracene	14.033	228	93038	3.463	ng	98
83) Chrysene	14.033	228	93038	3.633	ng	96
88) Benzo(b)fluoranthene	15.086	252	130677	6.841	ng	# 84
89) Benzo(k)fluoranthene	15.086	252	130677	6.980	ng	# 84
90) Benzo(a)pyrene	15.451	252	62479	3.807	ng	# 85
92) Benzo(g,h,i)perylene	17.445	276	44756	2.496	ng	93

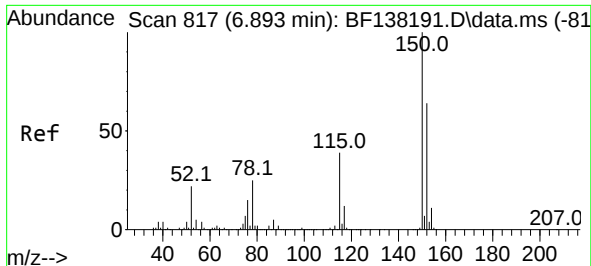
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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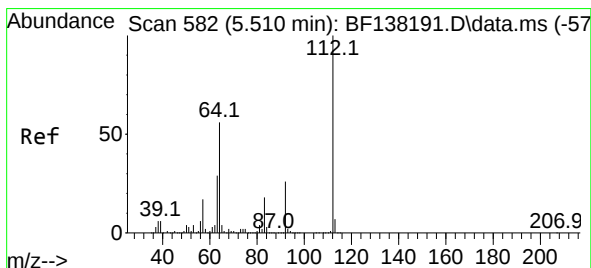
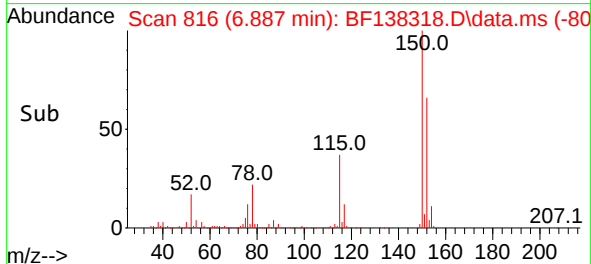
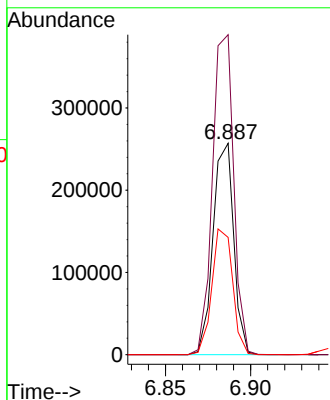
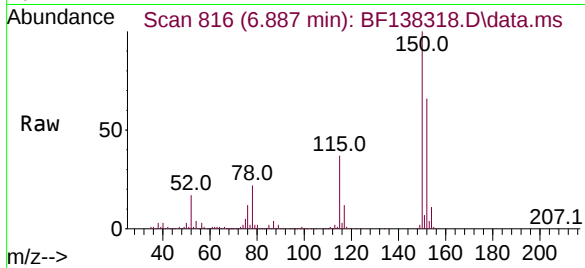




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

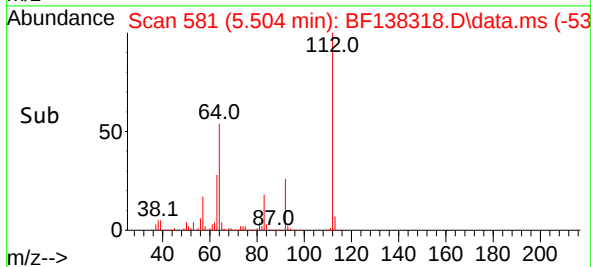
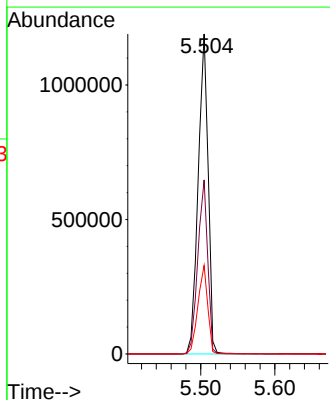
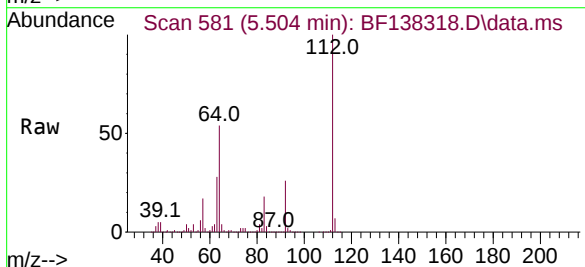
Instrument :
BNA_F
ClientSampleId :
HR-02-06202024

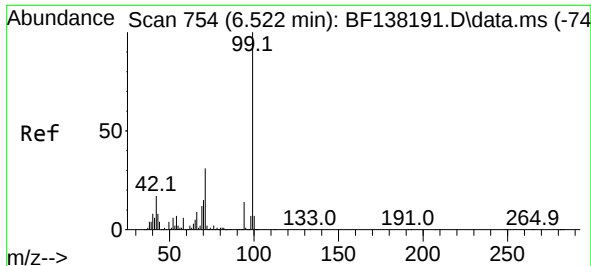
Tgt Ion:152 Resp: 216702
Ion Ratio Lower Upper
152 100
150 151.4 125.0 187.4
115 55.5 48.4 72.6



#5
2-Fluorophenol
Concen: 85.526 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Tgt Ion:112 Resp: 1107923
Ion Ratio Lower Upper
112 100
64 54.4 45.2 67.8
63 27.7 22.9 34.3





#7

Phenol-d6

Concen: 81.025 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138318.D

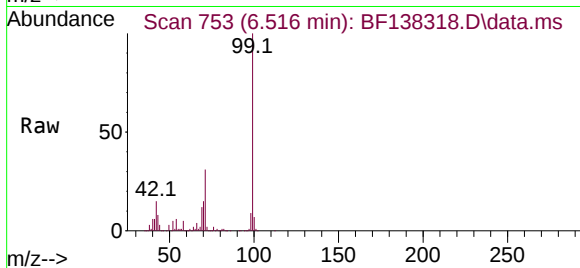
Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024



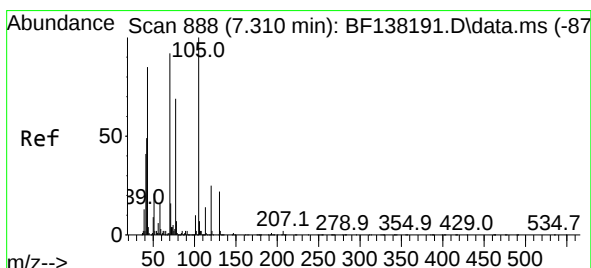
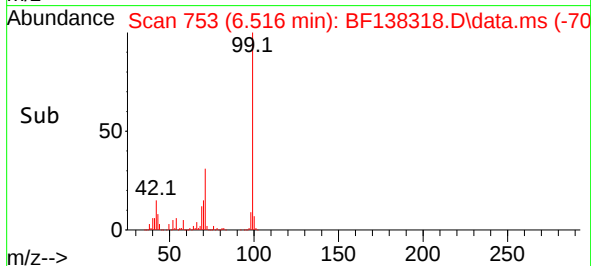
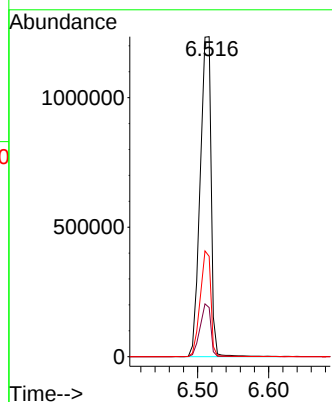
Tgt Ion: 99 Resp: 1330950

Ion Ratio Lower Upper

99 100

42 15.3 13.7 20.5

71 31.4 25.0 37.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.541 ng

RT: 7.446 min Scan# 911

Delta R.T. 0.135 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Tgt Ion: 70 Resp: 102638

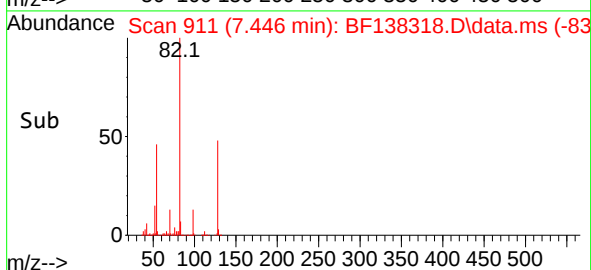
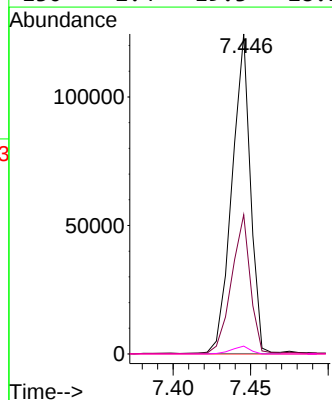
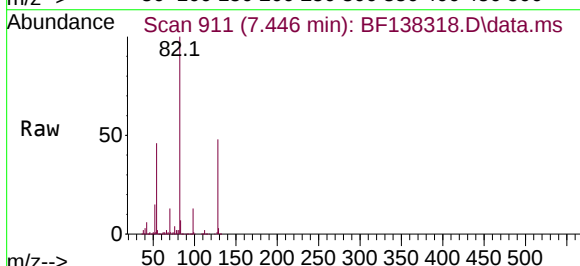
Ion Ratio Lower Upper

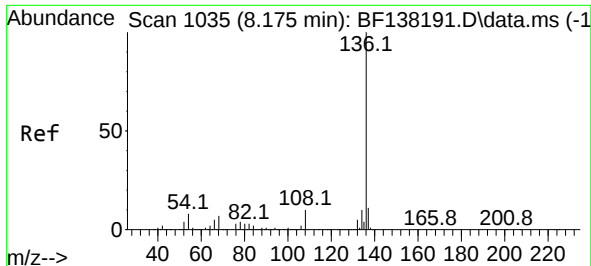
70 100

42 43.5 42.8 64.2

101 0.0 8.4 12.6#

130 2.4 19.3 28.9#

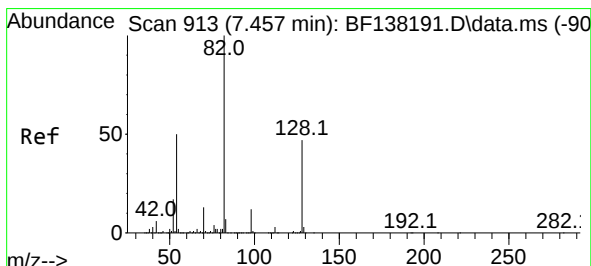
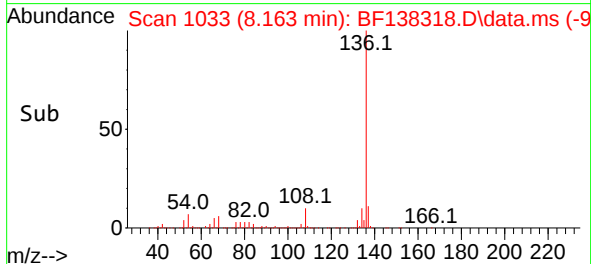
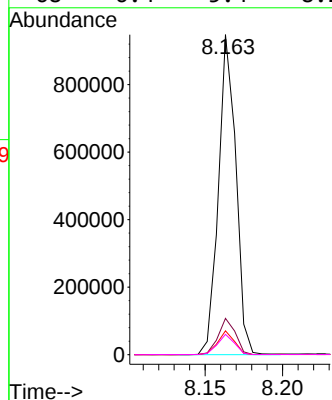
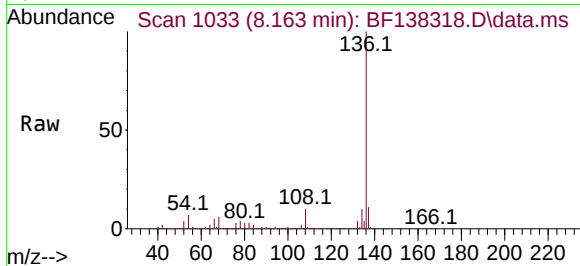




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

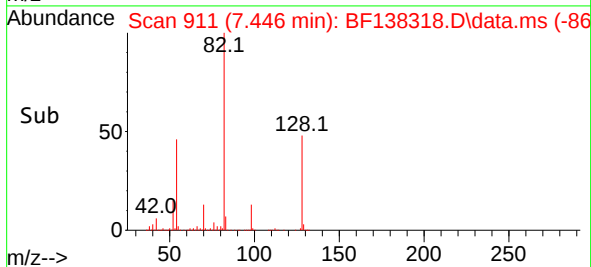
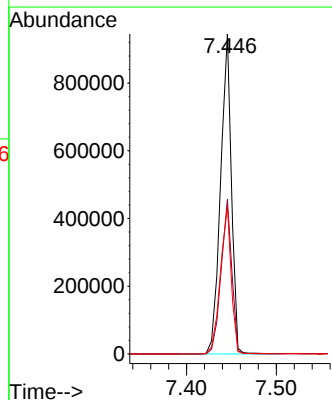
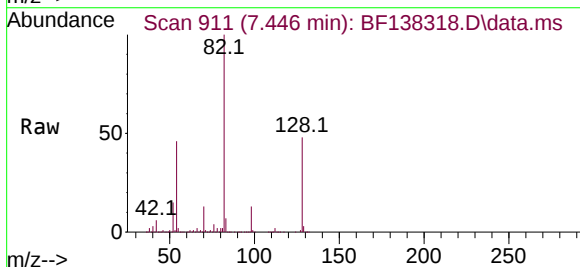
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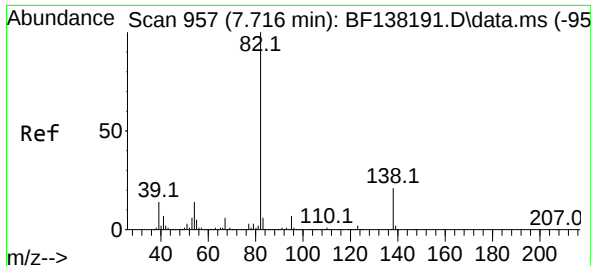
Tgt Ion:	136	Resp:	742229
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.4	6.6	10.0
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 62.318 ng
RT: 7.446 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Tgt Ion:	82	Resp:	794526
Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.2	55.8
54	46.1	39.8	59.6

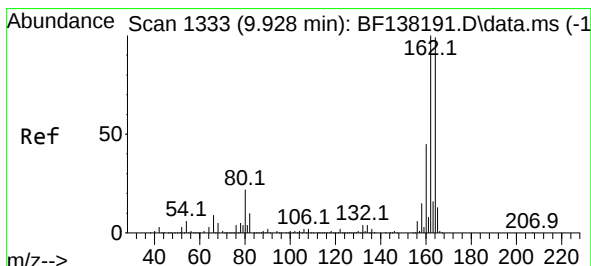
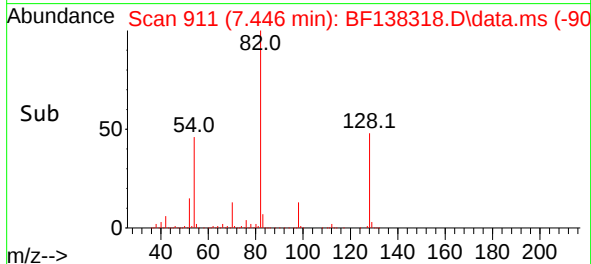
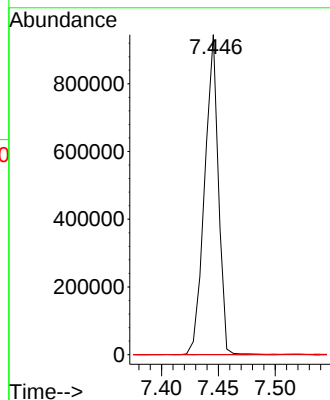
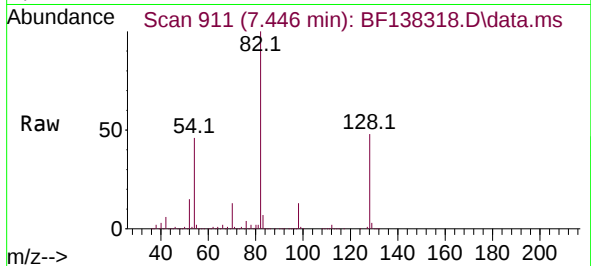




#25
Isophorone
Concen: 34.398 ng
RT: 7.446 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

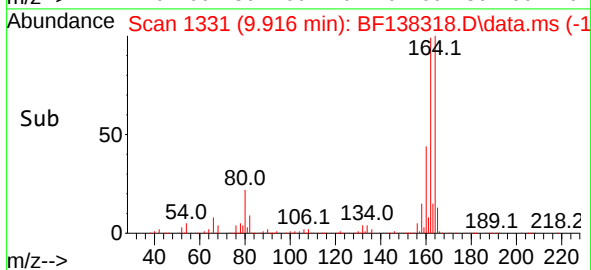
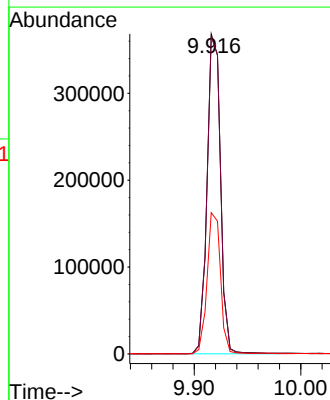
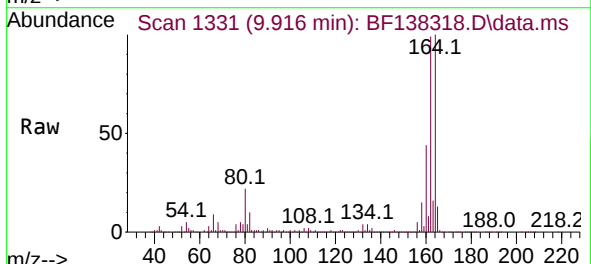
Instrument :
BNA_F
ClientSampleId :
HR-02-06202024

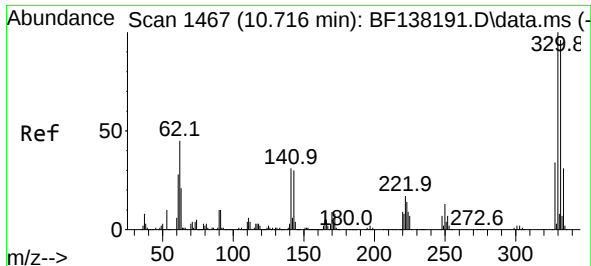
Tgt Ion: 82 Resp: 793259
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Tgt Ion: 164 Resp: 323949
Ion Ratio Lower Upper
164 100
162 99.1 80.6 121.0
160 44.2 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 88.233 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.012 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024

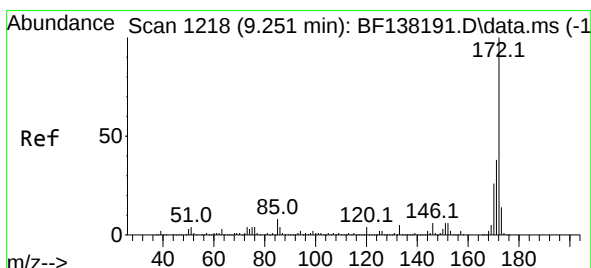
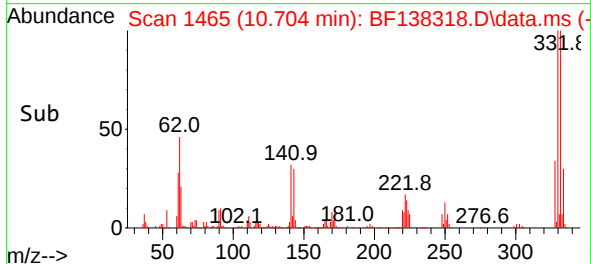
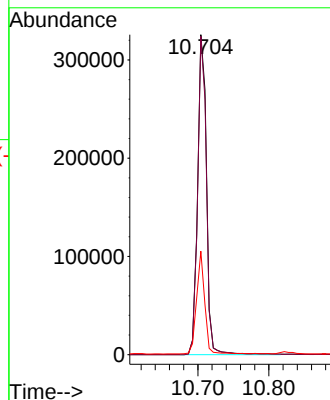
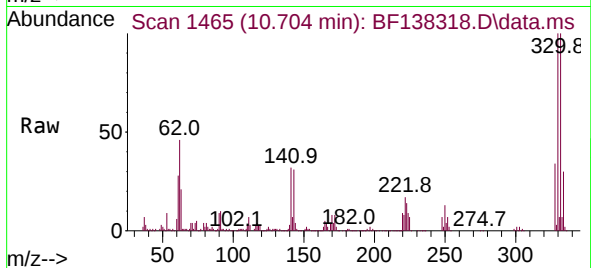
Tgt Ion:330 Resp: 284551

Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

141 29.3 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 71.374 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.011 min

Lab File: BF138318.D

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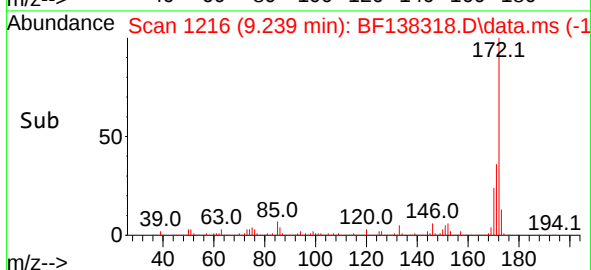
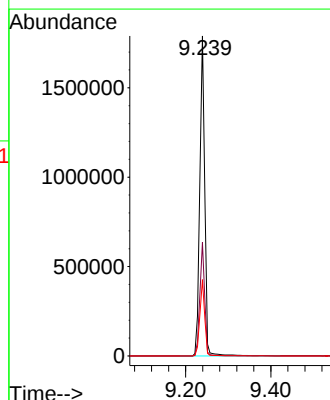
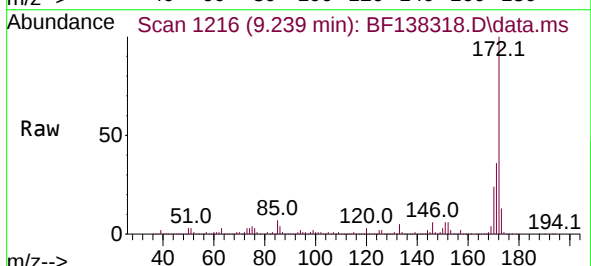
Tgt Ion:172 Resp: 1454051

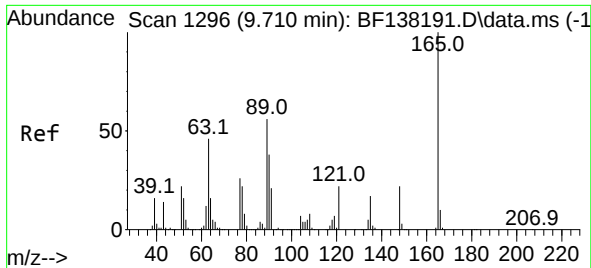
Ion Ratio Lower Upper

172 100

171 35.5 30.3 45.5

170 23.8 20.6 30.8

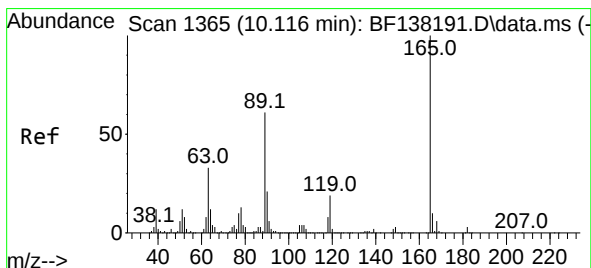
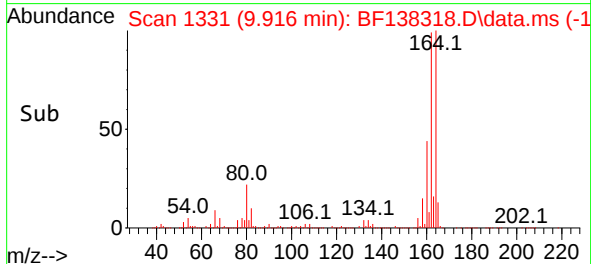
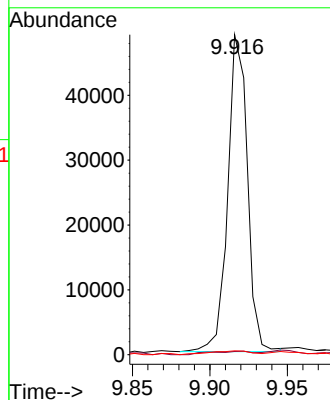
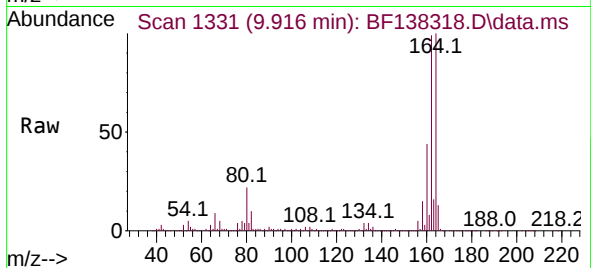




#51
2,6-Dinitrotoluene
Concen: 10.029 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.206 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

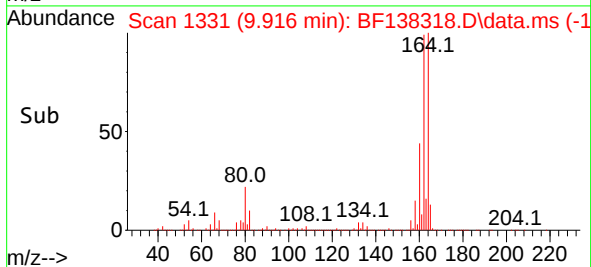
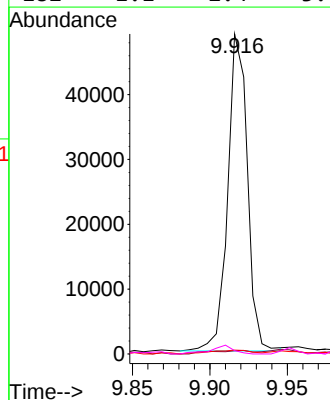
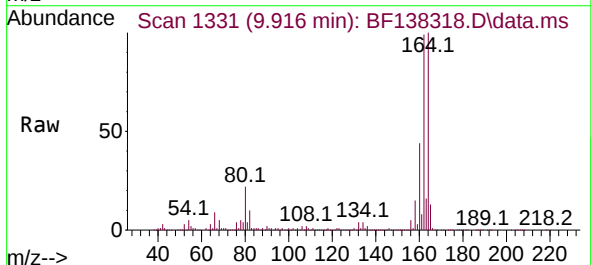
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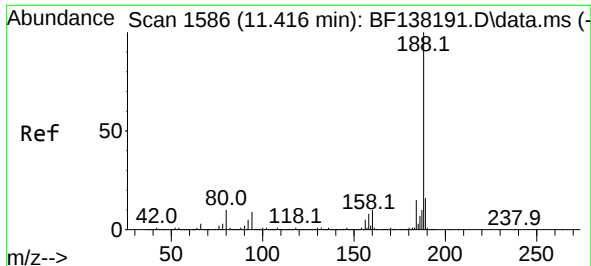
Tgt Ion:165 Resp: 43185
Ion Ratio Lower Upper
165 100
63 1.0 43.7 65.5#
89 1.2 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 8.131 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Tgt Ion:165 Resp: 43185
Ion Ratio Lower Upper
165 100
63 1.0 26.6 39.8#
89 1.2 48.7 73.1#
182 1.1 2.4 3.6#

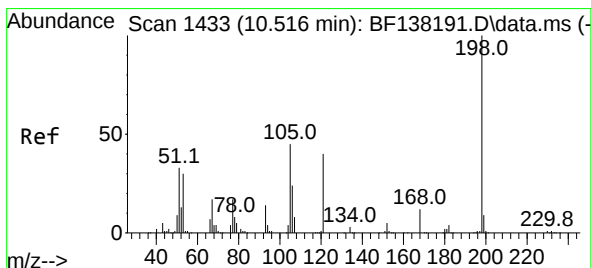
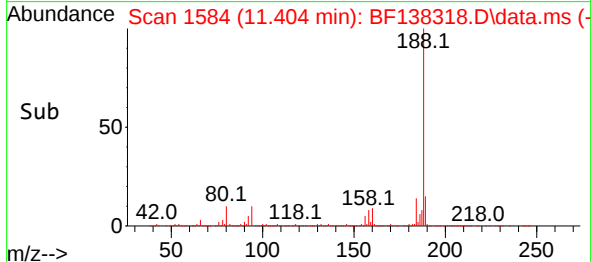
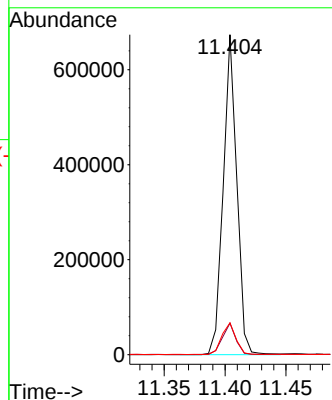
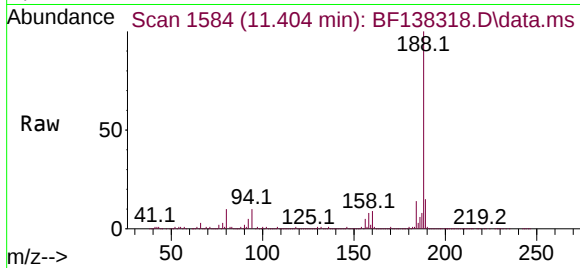




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

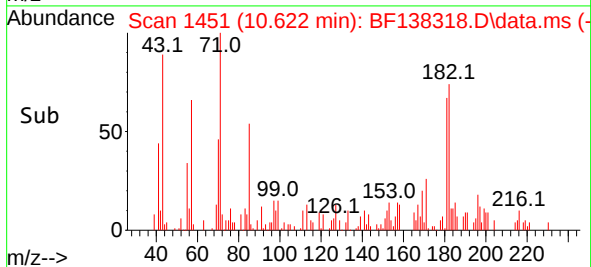
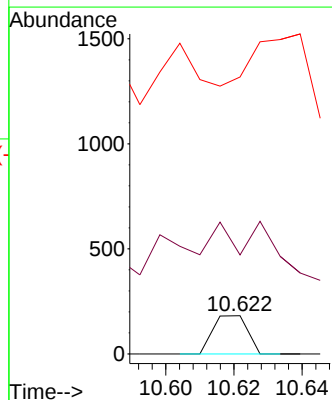
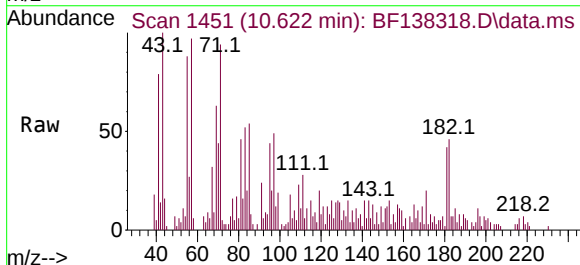
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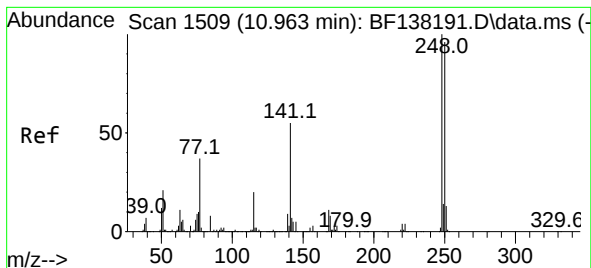
Tgt Ion:188 Resp: 523127
Ion Ratio Lower Upper
188 100
94 9.8 7.6 11.4
80 10.0 8.1 12.1



#65
4,6-Dinitro-2-methylphenol
Concen: 6.975 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.106 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Tgt Ion:198 Resp: 128
Ion Ratio Lower Upper
198 100
51 258.8 26.9 66.9#
105 724.2 26.0 66.0#

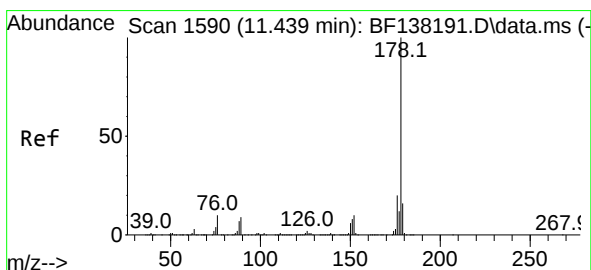
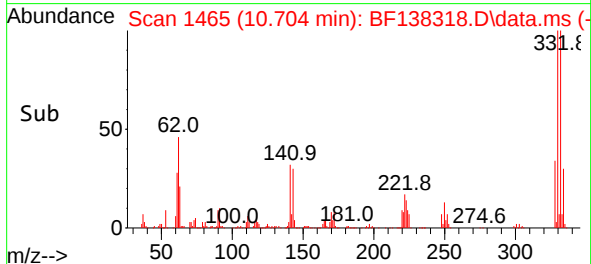
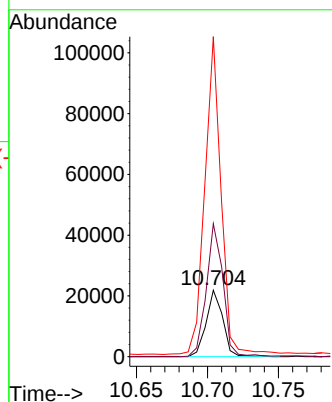
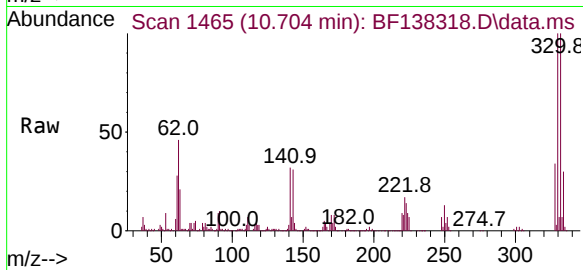




#67
4-Bromophenyl-phenylether
Concen: 3.024 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.259 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

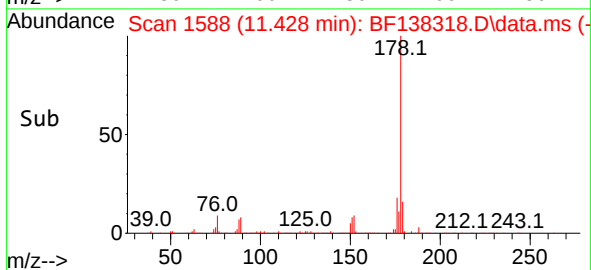
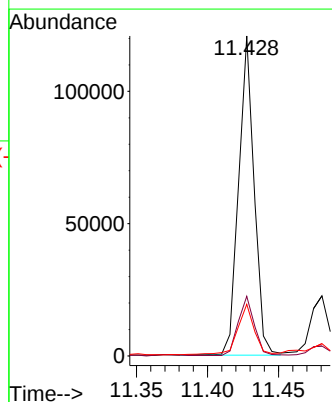
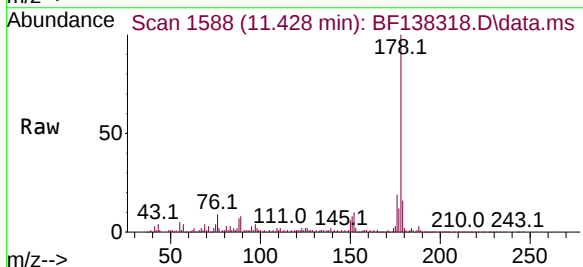
Instrument :
BNA_F
ClientSampleId :
HR-02-06202024

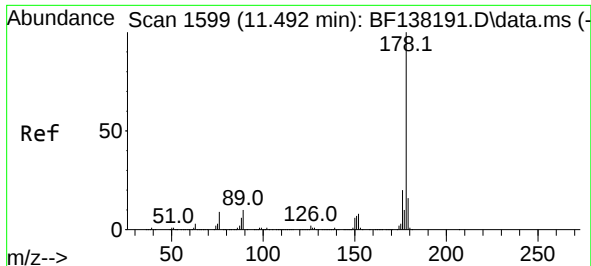
Tgt Ion:248 Resp: 17824
Ion Ratio Lower Upper
248 100
250 200.2 77.2 115.8#
141 481.6 44.1 66.1#



#71
Phenanthrene
Concen: 3.548 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Tgt Ion:178 Resp: 91778
Ion Ratio Lower Upper
178 100
176 18.6 16.4 24.6
179 16.2 13.1 19.7

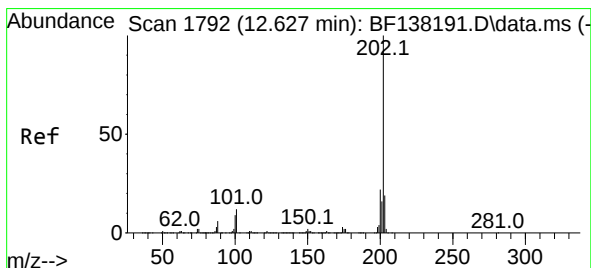
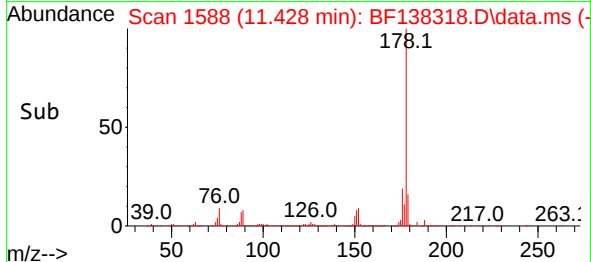
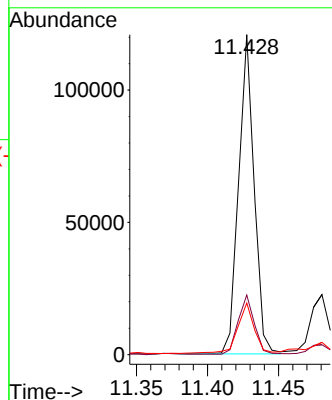
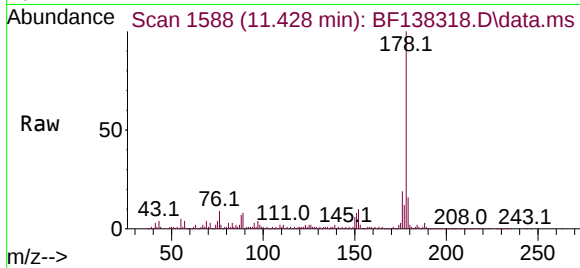




#72
 Anthracene
 Concen: 3.573 ng
 RT: 11.428 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF138318.D
 Acq: 24 Jun 2024 19:12

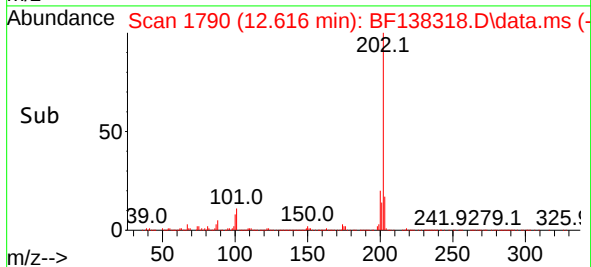
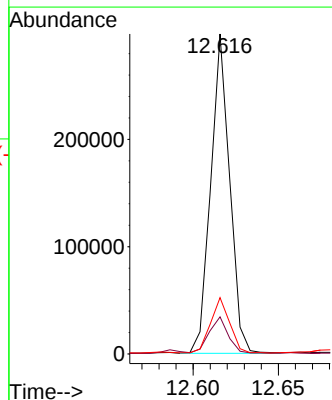
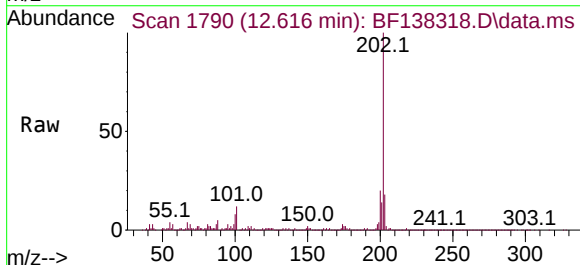
Instrument :
 BNA_F
 ClientSampleId :
 HR-02-06202024

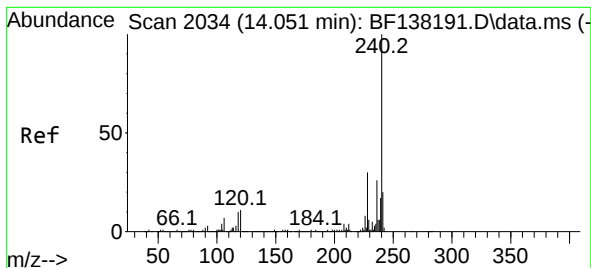
Tgt Ion:178 Resp: 91778
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.7 23.5
 179 16.2 13.0 19.6



#75
 Fluoranthene
 Concen: 8.768 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: BF138318.D
 Acq: 24 Jun 2024 19:12

Tgt Ion:202 Resp: 231293
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.8
 203 17.6 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024

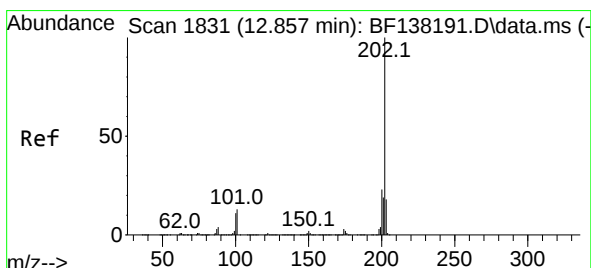
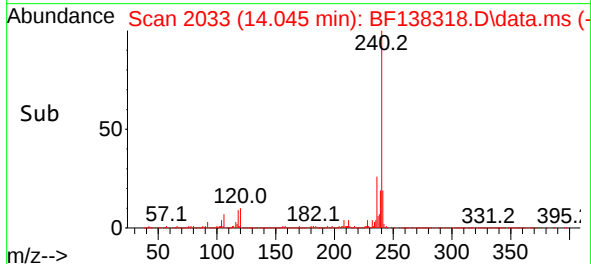
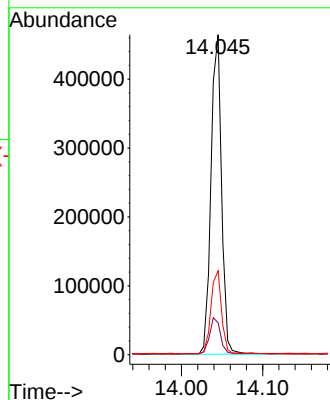
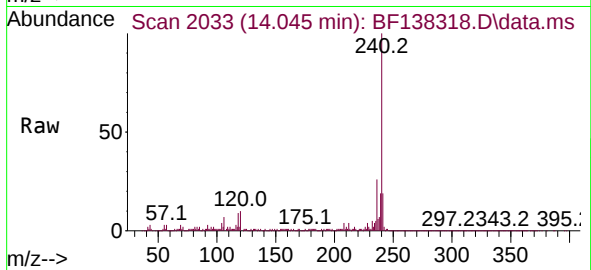
Tgt Ion:240 Resp: 418776

Ion Ratio Lower Upper

240 100

120 10.0 9.2 13.8

236 26.2 21.0 31.6



#78

Pyrene

Concen: 6.560 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

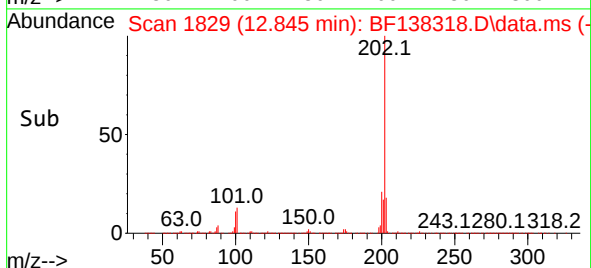
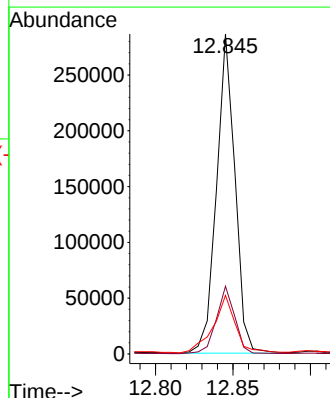
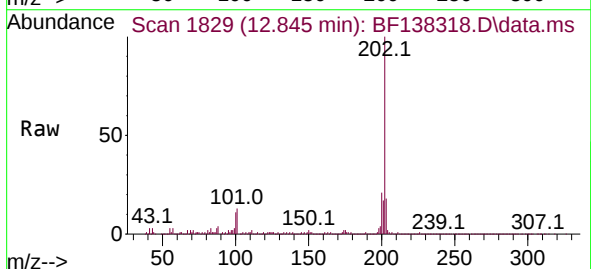
Tgt Ion:202 Resp: 236948

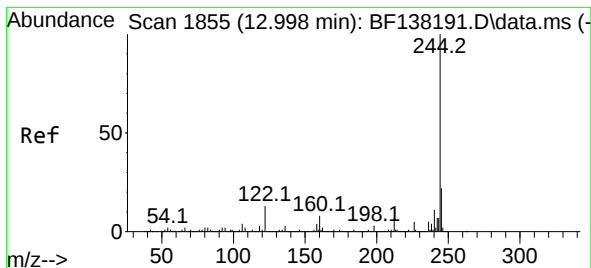
Ion Ratio Lower Upper

202 100

200 21.2 18.0 27.0

203 18.3 14.7 22.1





#79

Terphenyl-d14

Concen: 61.218 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024

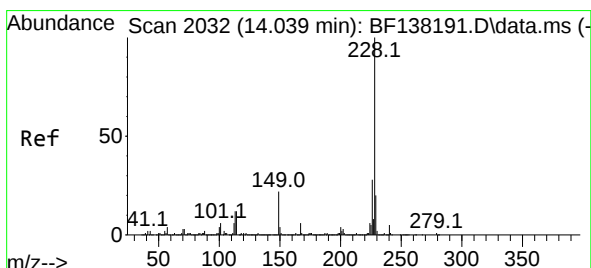
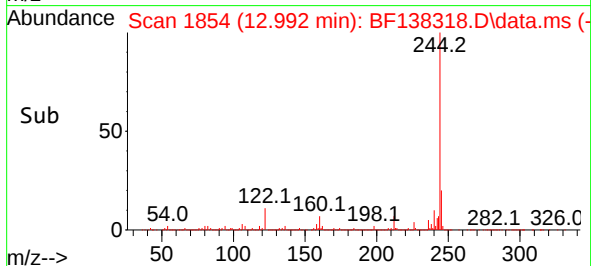
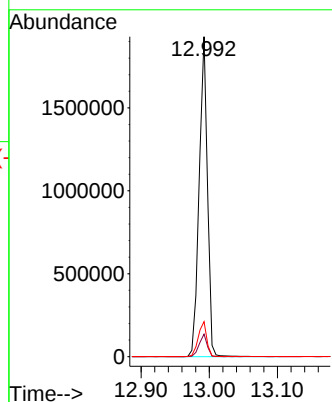
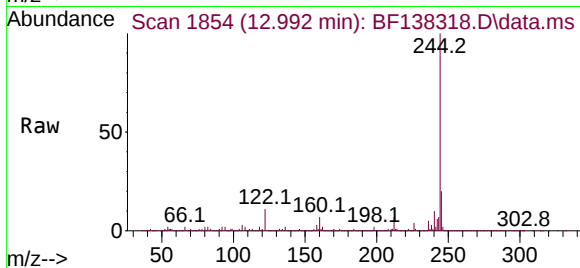
Tgt Ion:244 Resp: 1618644

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 10.9 10.6 15.8



#81

Benzo(a)anthracene

Concen: 3.463 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

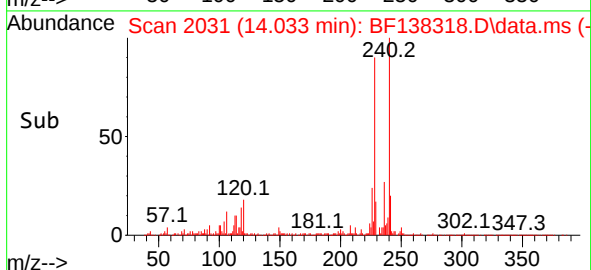
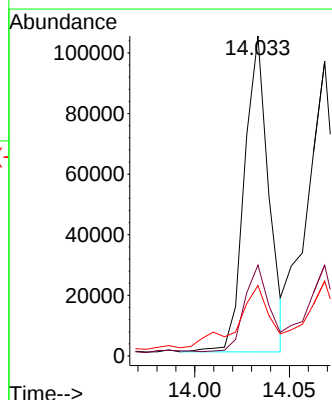
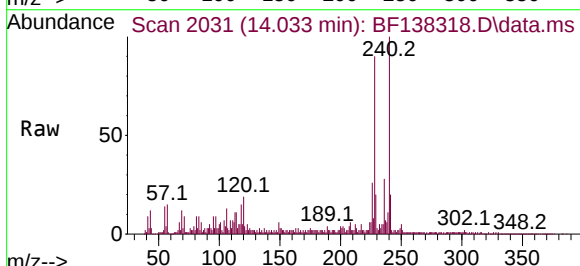
Tgt Ion:228 Resp: 93038

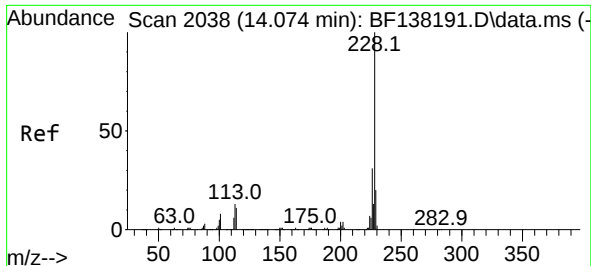
Ion Ratio Lower Upper

228 100

226 28.4 22.5 33.7

229 22.0 16.3 24.5





#83

Chrysene

Concen: 3.633 ng

RT: 14.033 min Scan# 2038

Delta R.T. -0.041 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024

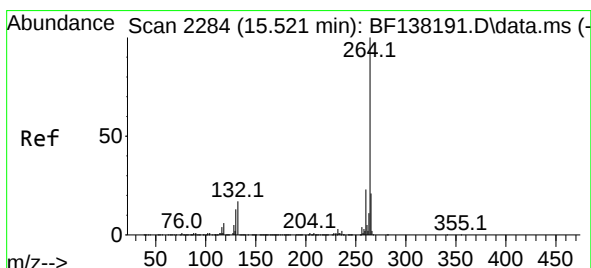
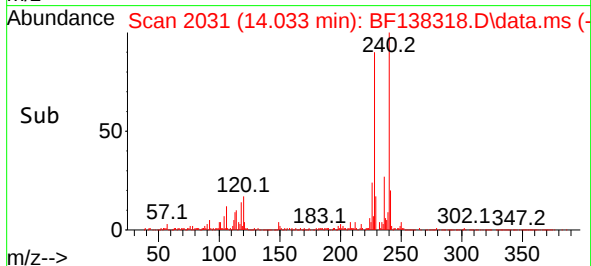
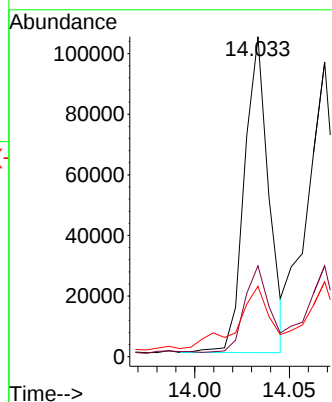
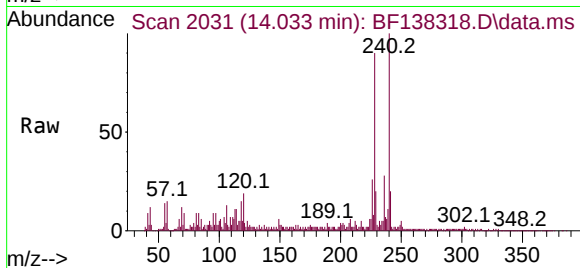
Tgt Ion:228 Resp: 93038

Ion Ratio Lower Upper

228 100

226 28.4 24.5 36.7

229 22.0 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

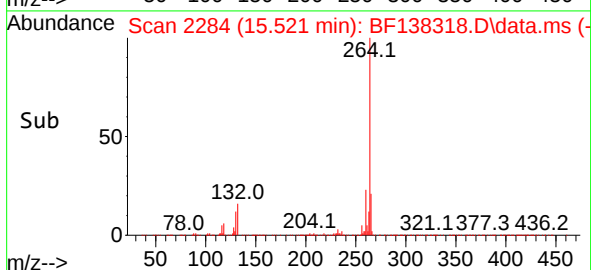
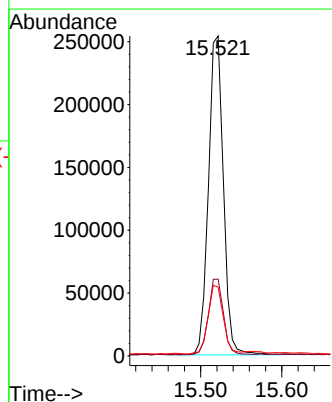
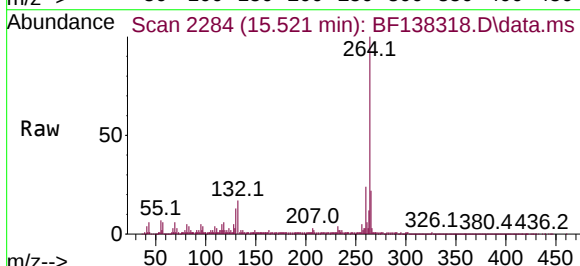
Tgt Ion:264 Resp: 323930

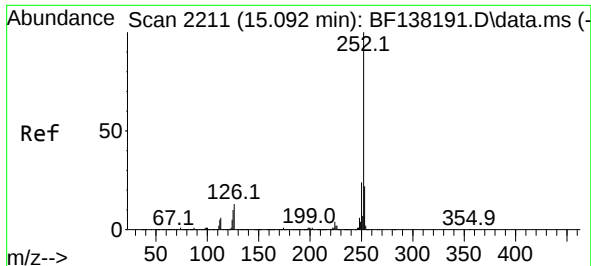
Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 21.5 17.0 25.6

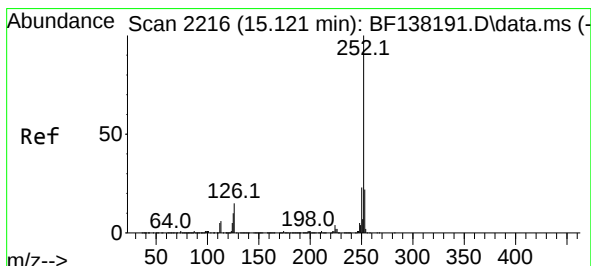
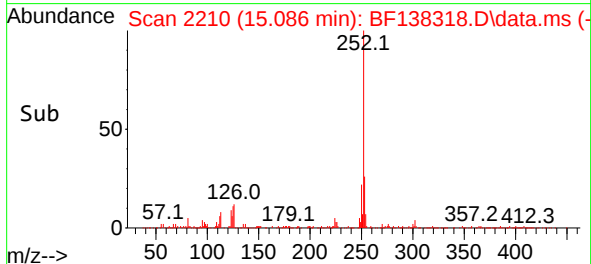
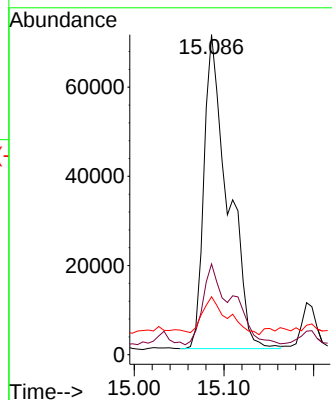
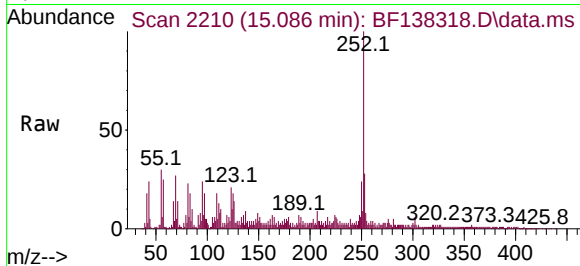




#88
Benzo(b)fluoranthene
Concen: 6.841 ng
RT: 15.086 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

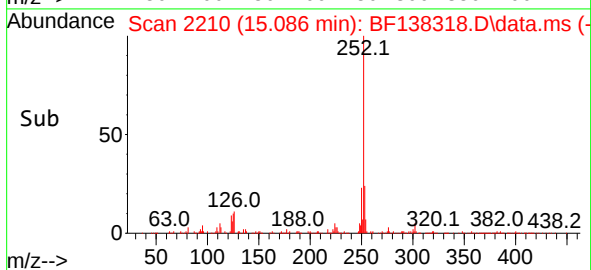
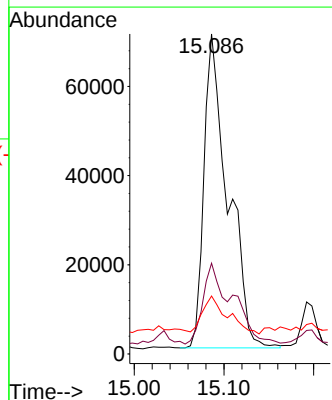
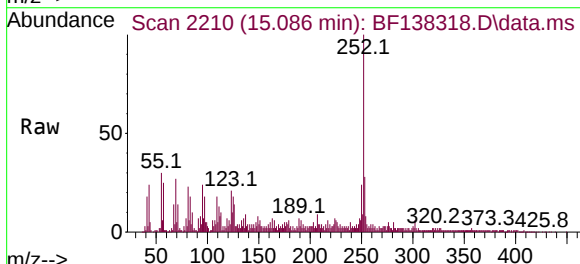
Instrument :
BNA_F
ClientSampleId :
HR-02-06202024

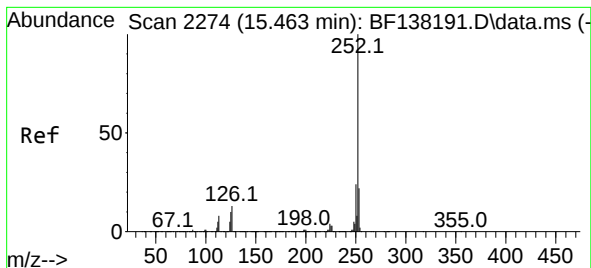
Tgt Ion:252 Resp: 130677
Ion Ratio Lower Upper
252 100
253 28.4 17.7 26.5#
125 18.1 7.8 11.8#



#89
Benzo(k)fluoranthene
Concen: 6.980 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.035 min
Lab File: BF138318.D
Acq: 24 Jun 2024 19:12

Tgt Ion:252 Resp: 130677
Ion Ratio Lower Upper
252 100
253 28.4 17.8 26.8#
125 18.1 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 3.807 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Instrument :

BNA_F

ClientSampleId :

HR-02-06202024

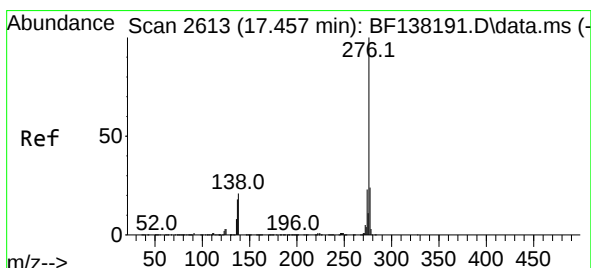
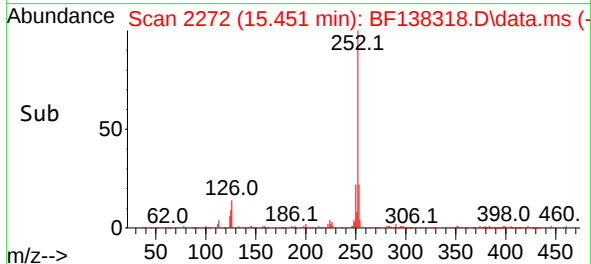
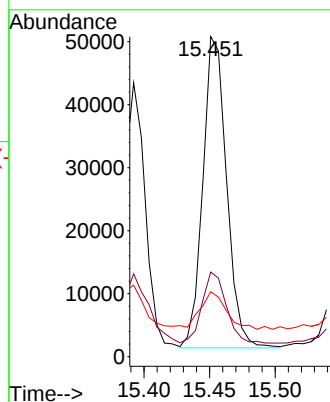
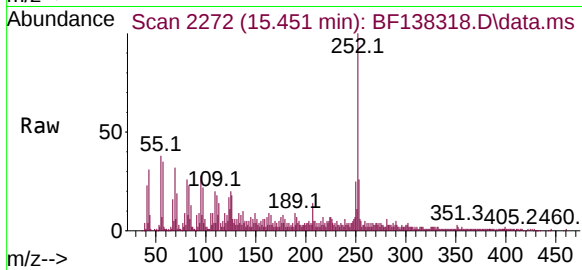
Tgt Ion:252 Resp: 62479

Ion Ratio Lower Upper

252 100

253 26.4 17.7 26.5

125 20.3 8.2 12.2#



#92

Benzo(g,h,i)perylene

Concen: 2.496 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF138318.D

Acq: 24 Jun 2024 19:12

Tgt Ion:276 Resp: 44756

Ion Ratio Lower Upper

276 100

277 27.6 19.5 29.3

138 23.9 16.6 24.8

