

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
 Data File : BF138256.D
 Acq On : 19 Jun 2024 20:28
 Operator : CG\JU
 Sample : P2940-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-061824

Quant Time: Jun 20 01:11:49 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)

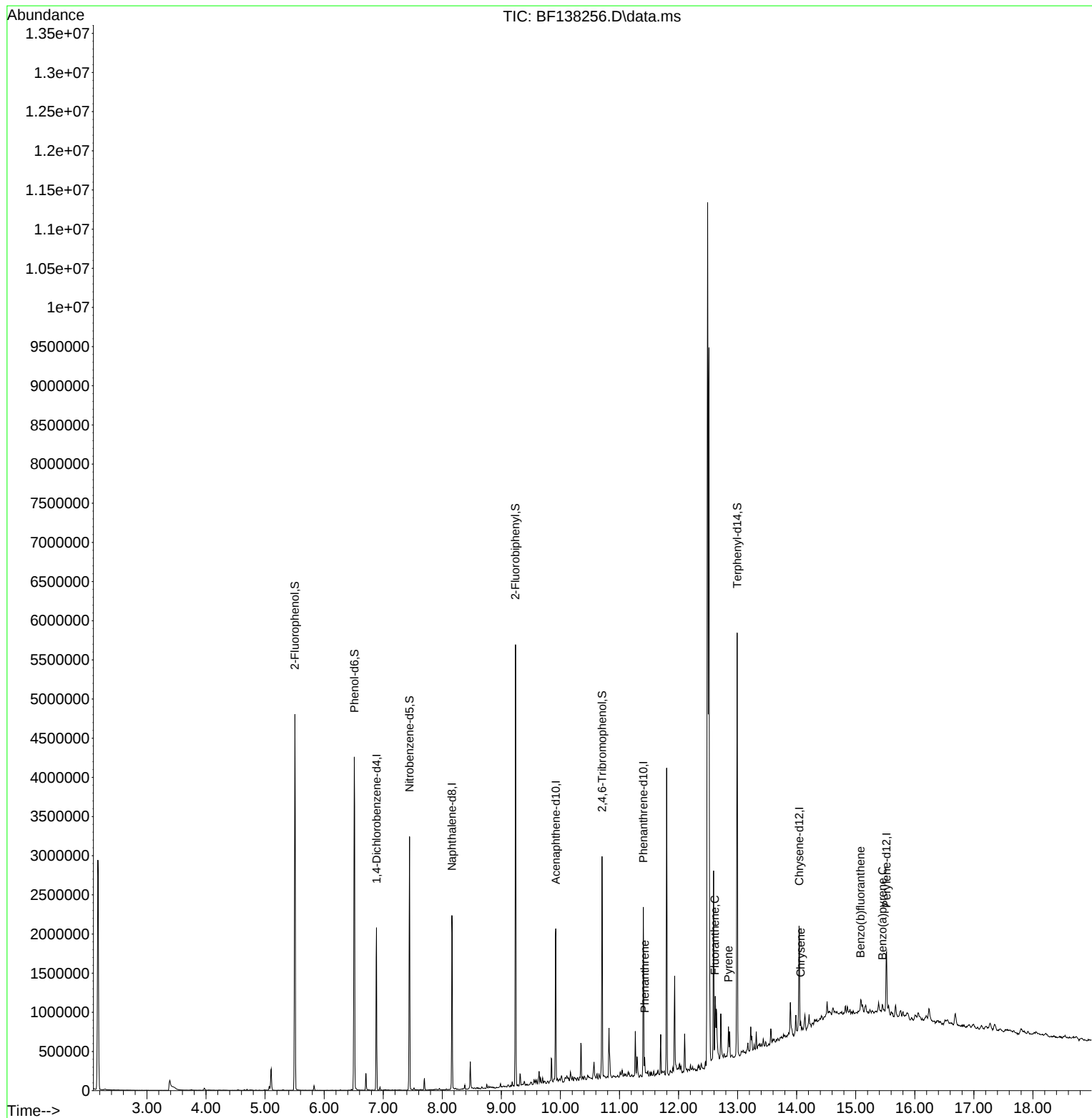
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	292757	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	959453	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	404197	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	728908	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	451864	20.000	ng	0.00
86) Perylene-d12	15.521	264	408499	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1389749	79.411	ng	0.00
7) Phenol-d6	6.510	99	1634315	73.646	ng	-0.01
23) Nitrobenzene-d5	7.445	82	931571	56.525	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	333069	82.773	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1552875	61.092	ng	-0.01
79) Terphenyl-d14	12.992	244	1807059	63.339	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.428	178	77403	2.147	ng	98
75) Fluoranthene	12.616	202	129936	3.535	ng	98
78) Pyrene	12.845	202	147156	3.776	ng	98
83) Chrysene	14.069	228	59106	2.139	ng	# 91
88) Benzo(b)fluoranthene	15.080	252	69809	2.898	ng	# 76
90) Benzo(a)pyrene	15.451	252	47184	2.280	ng	# 73

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

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Quant Time: Jun 20 01:11:49 2024
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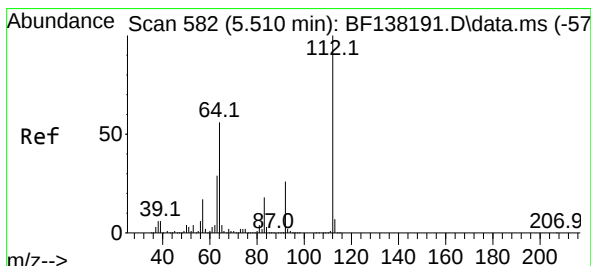
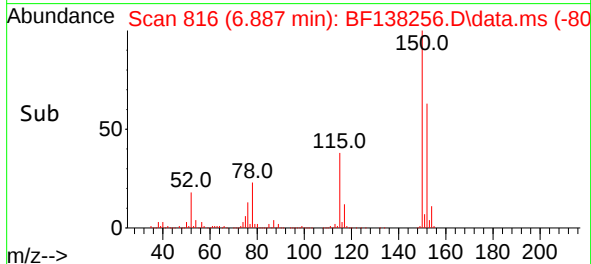
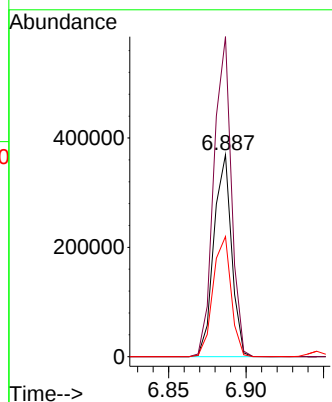
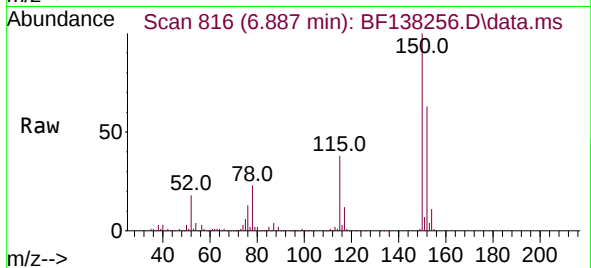




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

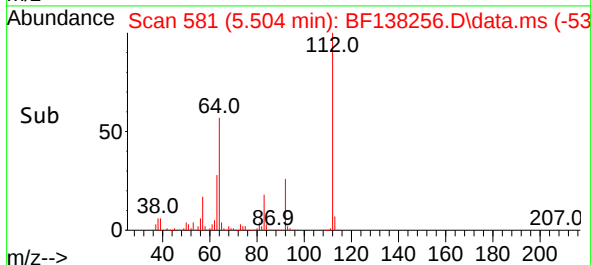
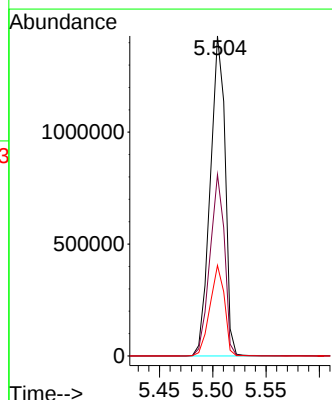
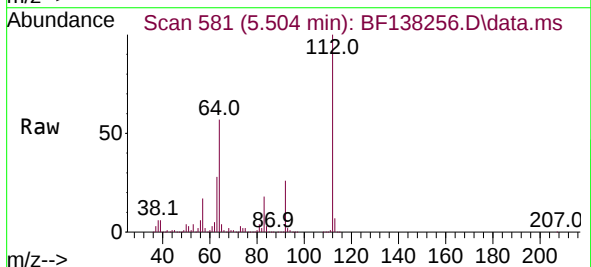
Instrument :
BNA_F
ClientSampleId :
SU-03-061824

Tgt Ion:152 Resp: 292757
Ion Ratio Lower Upper
152 100
150 158.5 125.0 187.4
115 59.5 48.4 72.6



#5
2-Fluorophenol
Concen: 79.411 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion:112 Resp: 1389749
Ion Ratio Lower Upper
112 100
64 56.7 45.2 67.8
63 28.3 22.9 34.3





#7

Phenol-d6

Concen: 73.646 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF138256.D

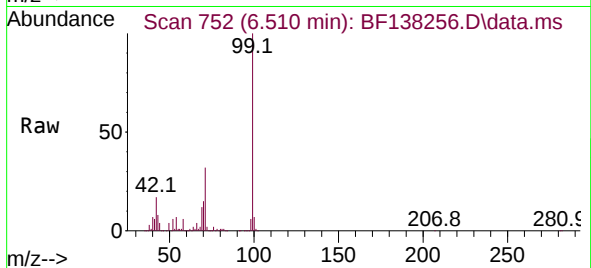
Acq: 19 Jun 2024 20:28

Instrument :

BNA_F

ClientSampleId :

SU-03-061824



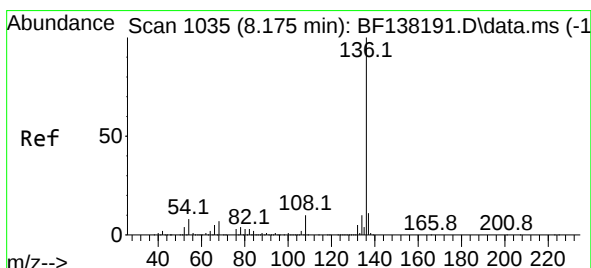
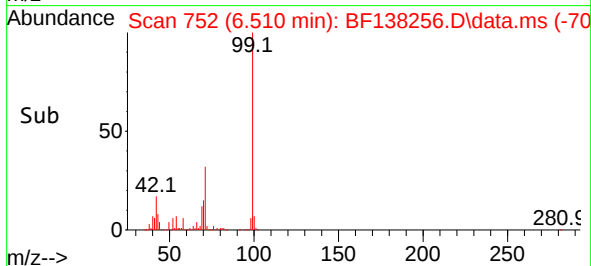
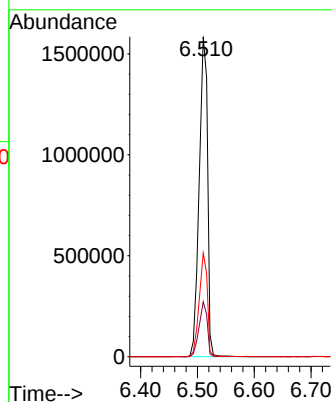
Tgt Ion: 99 Resp: 1634315

Ion Ratio Lower Upper

99 100

42 17.1 13.7 20.5

71 32.4 25.0 37.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1033

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

Tgt Ion: 136 Resp: 959453

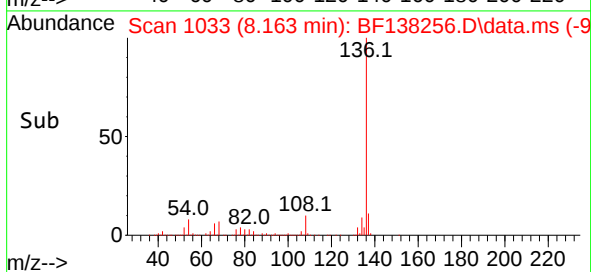
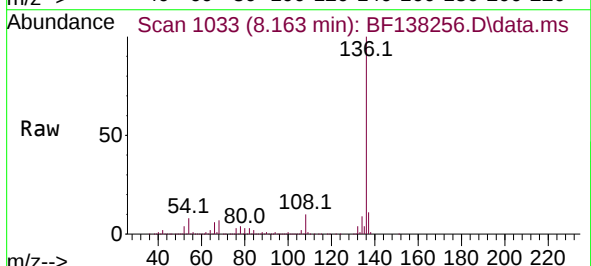
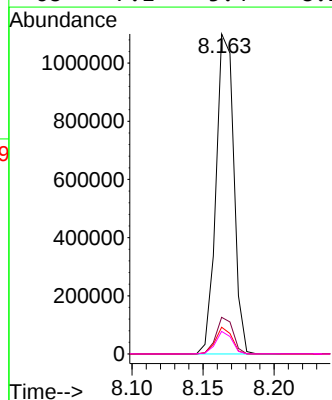
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.3 6.6 10.0

68 7.1 5.4 8.2





#23

Nitrobenzene-d5

Concen: 56.525 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

Instrument :

BNA_F

ClientSampleId :

SU-03-061824

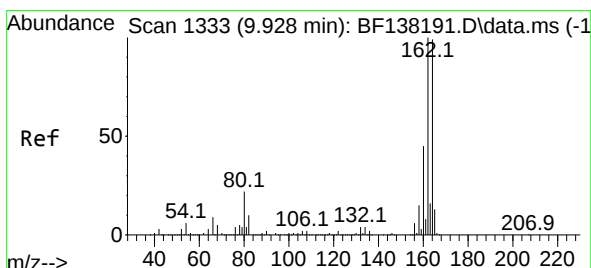
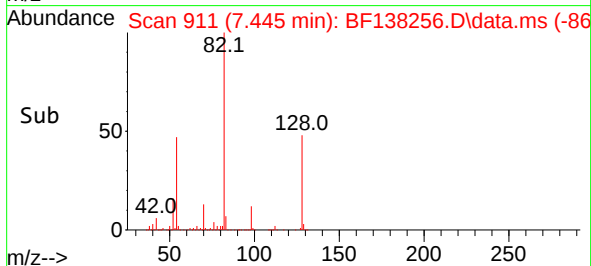
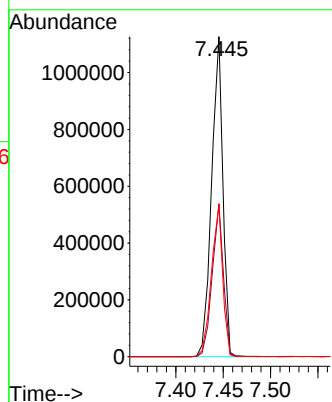
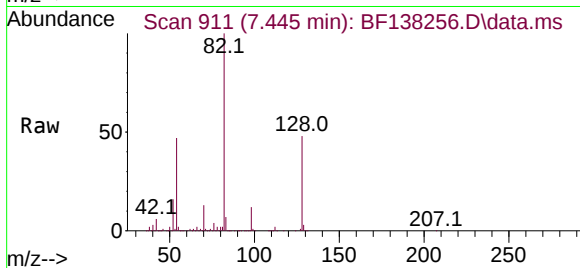
Tgt Ion: 82 Resp: 931571

Ion Ratio Lower Upper

82 100

128 47.8 37.2 55.8

54 47.4 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

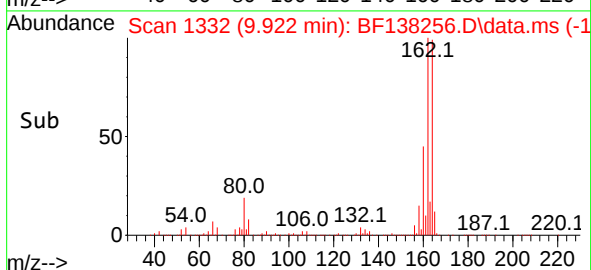
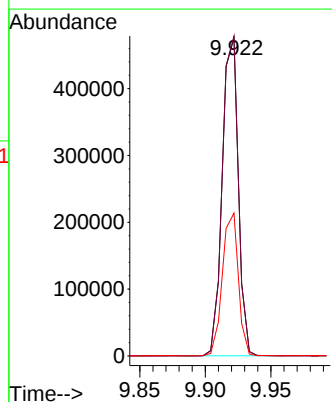
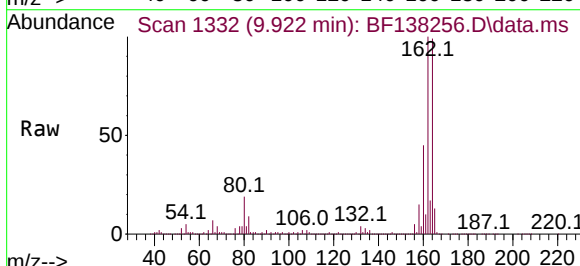
Tgt Ion: 164 Resp: 404197

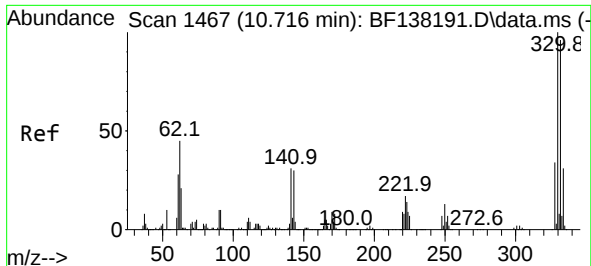
Ion Ratio Lower Upper

164 100

162 100.7 80.6 121.0

160 44.9 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 82.773 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

Instrument :

BNA_F

ClientSampleId :

SU-03-061824

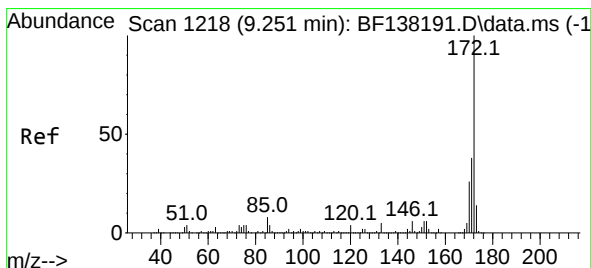
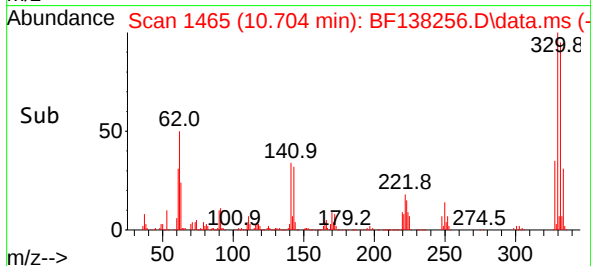
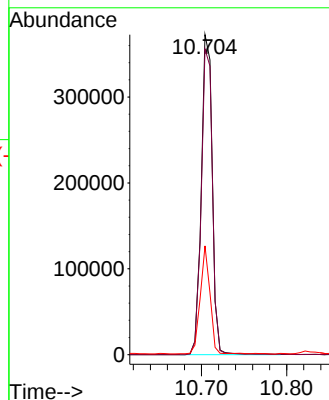
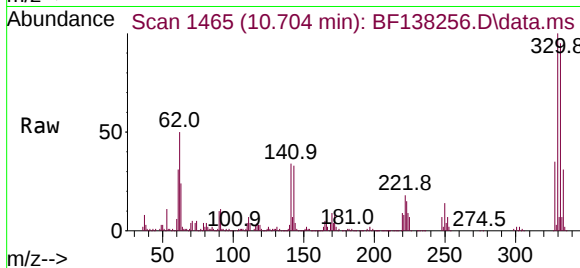
Tgt Ion:330 Resp: 333069

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

141 29.8 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 61.092 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

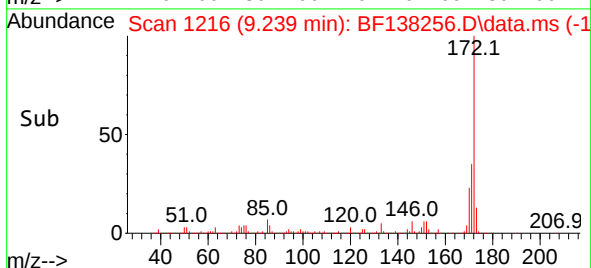
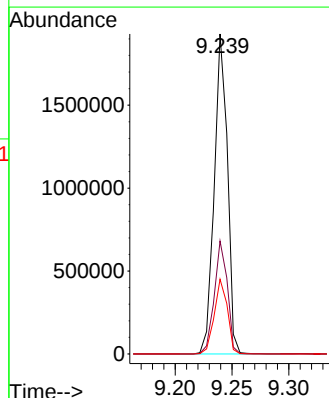
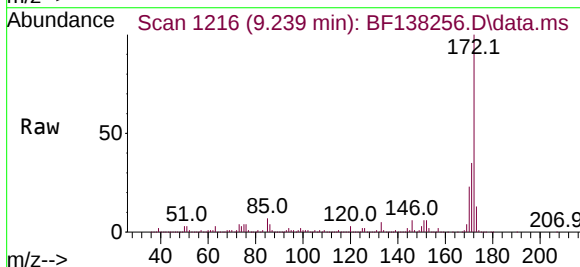
Tgt Ion:172 Resp: 1552875

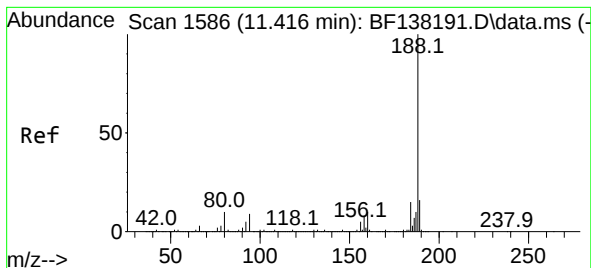
Ion Ratio Lower Upper

172 100

171 35.3 30.3 45.5

170 23.3 20.6 30.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

Instrument :

BNA_F

ClientSampleId :

SU-03-061824

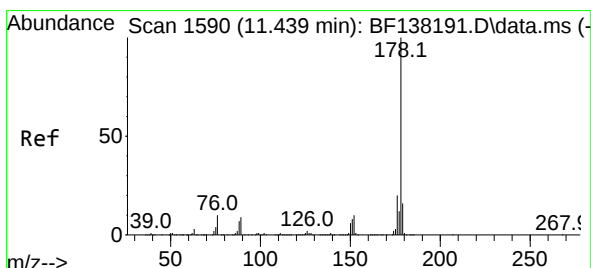
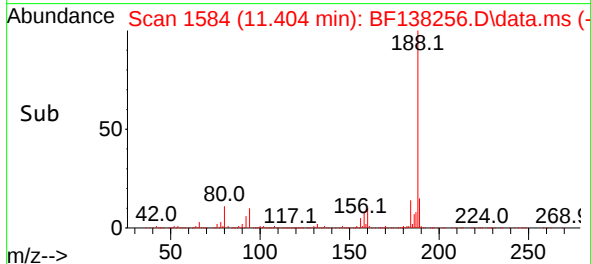
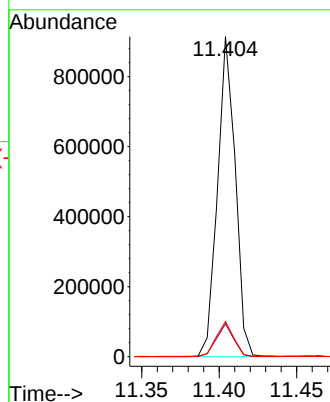
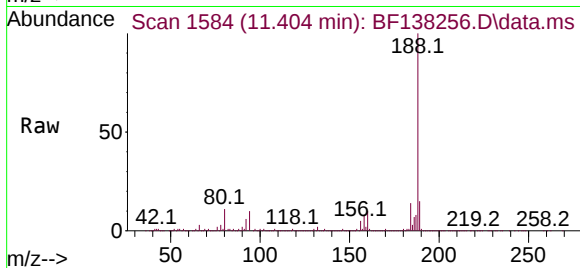
Tgt Ion:188 Resp: 728908

Ion Ratio Lower Upper

188 100

94 10.3 7.6 11.4

80 11.0 8.1 12.1



#71

Phenanthrene

Concen: 2.147 ng

RT: 11.428 min Scan# 1588

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

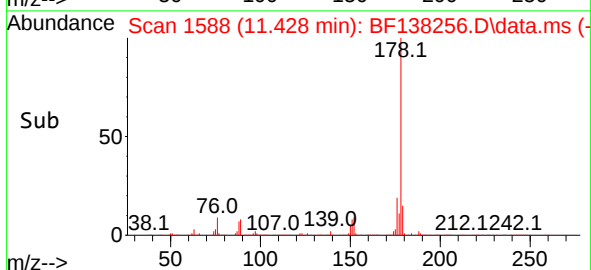
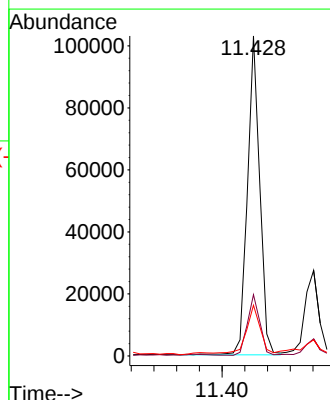
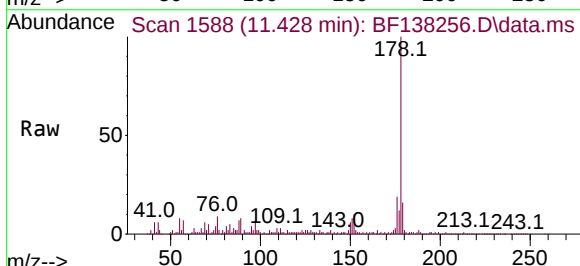
Tgt Ion:178 Resp: 77403

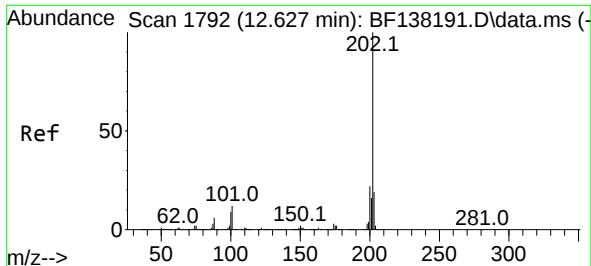
Ion Ratio Lower Upper

178 100

176 19.2 16.4 24.6

179 15.9 13.1 19.7

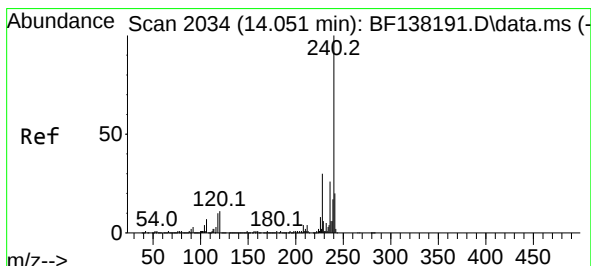
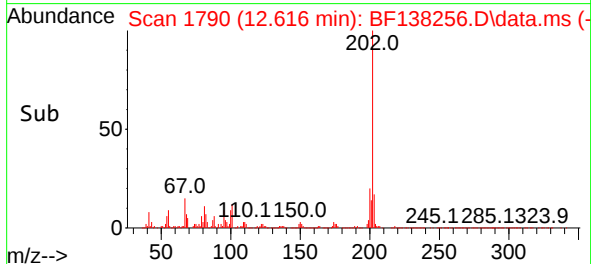
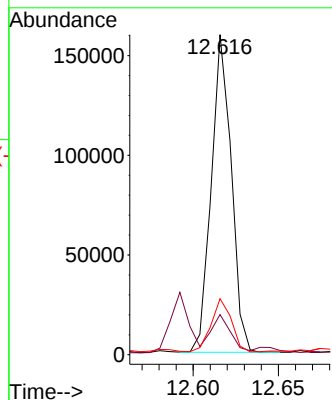
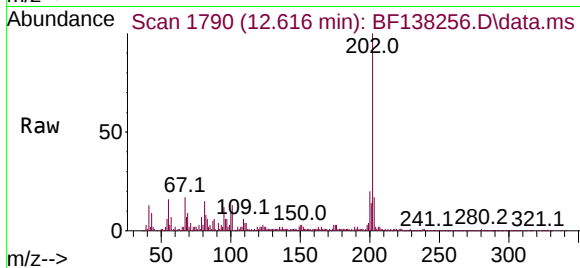




#75
Fluoranthene
Concen: 3.535 ng
RT: 12.616 min Scan# 1792
Delta R.T. -0.012 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

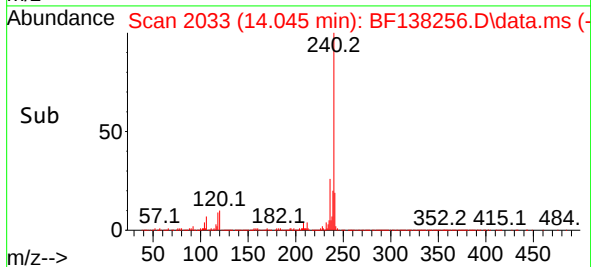
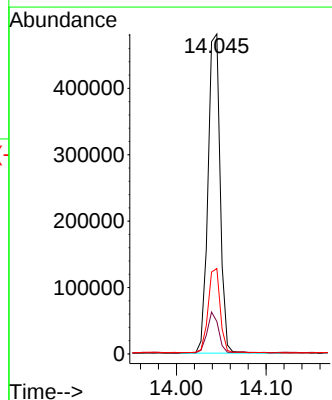
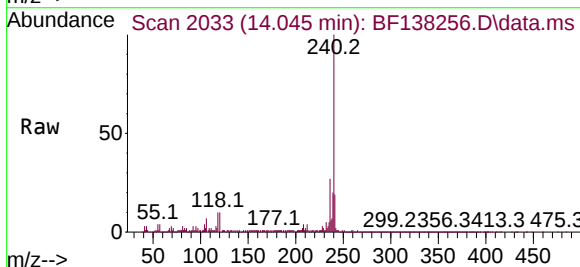
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SU-03-061824

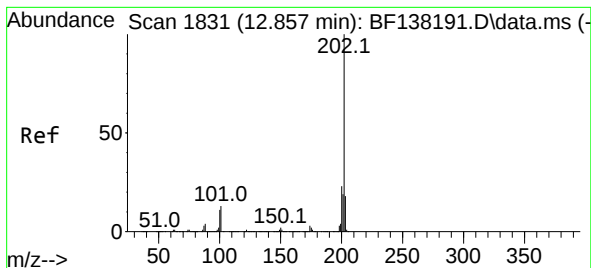
Tgt Ion:202 Resp: 129936
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.8
203 17.5 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion:240 Resp: 451864
Ion Ratio Lower Upper
240 100
120 10.1 9.2 13.8
236 26.7 21.0 31.6





#78

Pyrene

Concen: 3.776 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

Instrument :

BNA_F

ClientSampleId :

SU-03-061824

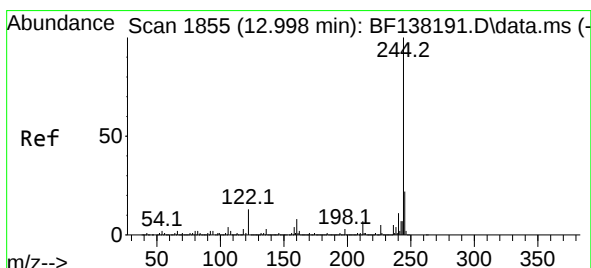
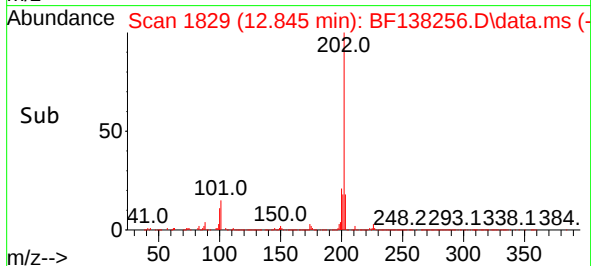
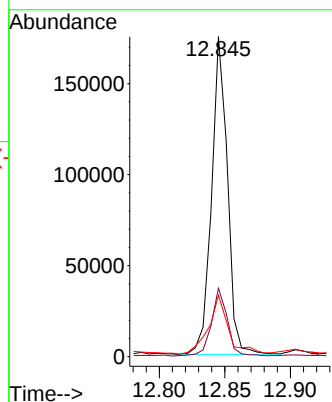
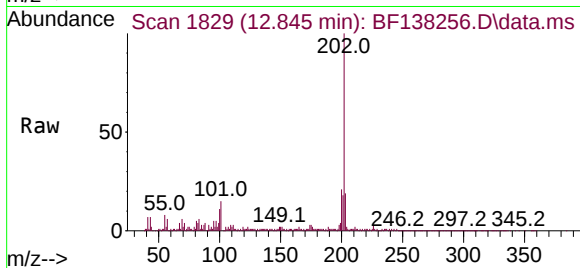
Tgt Ion:202 Resp: 147156

Ion Ratio Lower Upper

202 100

200 21.4 18.0 27.0

203 19.2 14.7 22.1



#79

Terphenyl-d14

Concen: 63.339 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

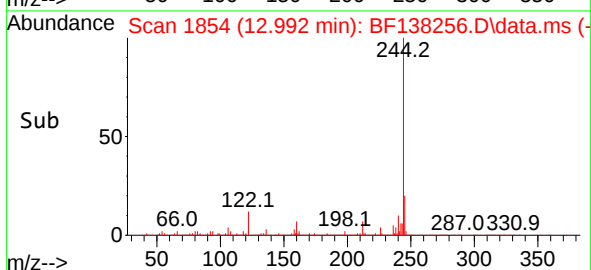
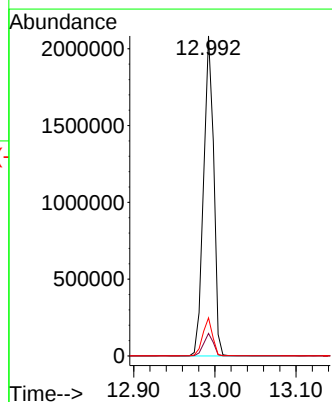
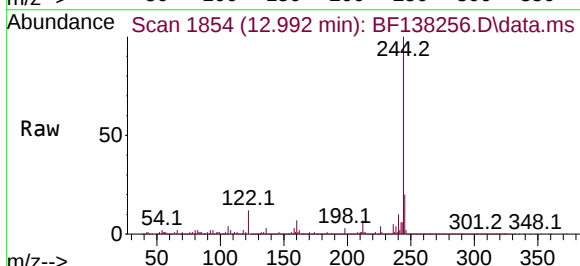
Tgt Ion:244 Resp: 1807059

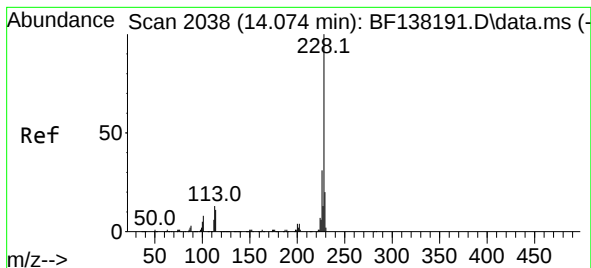
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 11.9 10.6 15.8





#83

Chrysene

Concen: 2.139 ng

RT: 14.069 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

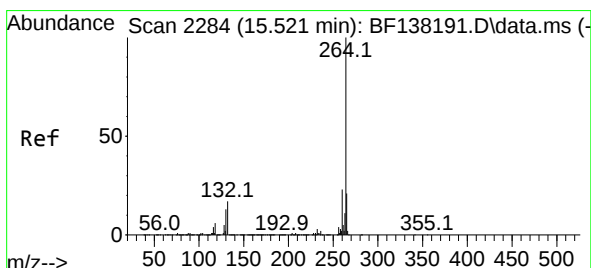
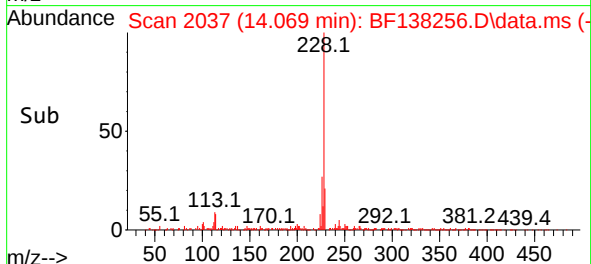
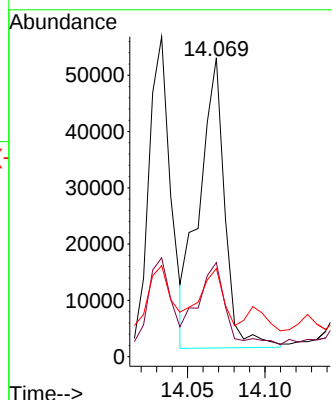
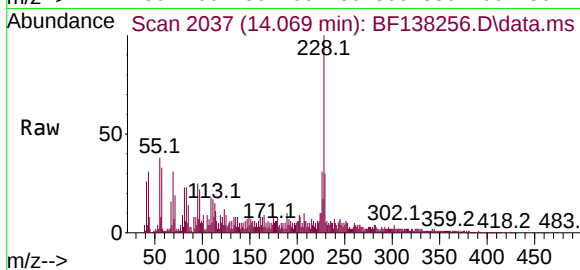
Instrument :

BNA_F

ClientSampleId :

SU-03-061824

Tgt Ion:228	Resp:	59106
Ion Ratio	Lower	Upper
228	100	
226	31.5	24.5 36.7
229	29.5	16.3 24.5#



#86

Perylene-d12

Concen: 20.000 ng

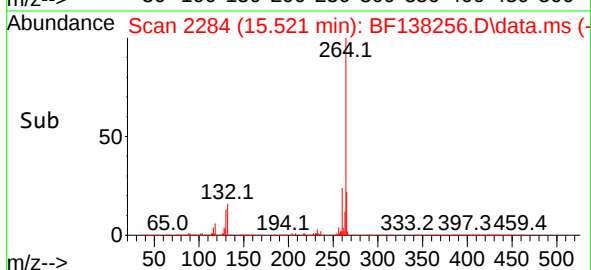
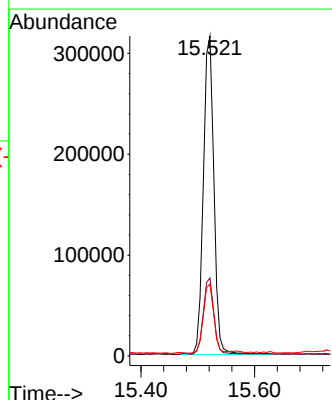
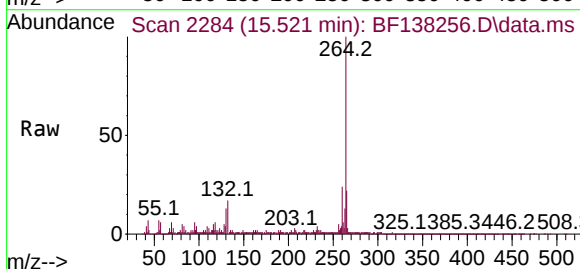
RT: 15.521 min Scan# 2284

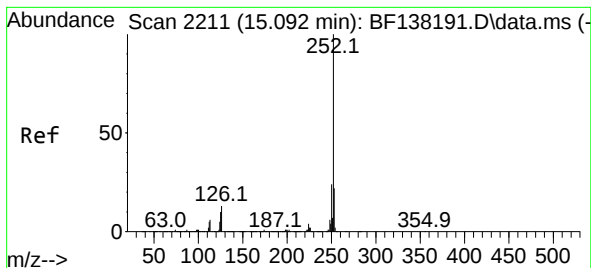
Delta R.T. 0.000 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

Tgt Ion:264	Resp:	408499
Ion Ratio	Lower	Upper
264	100	
260	24.4	18.7 28.1
265	22.4	17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.898 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

Instrument :

BNA_F

ClientSampleId :

SU-03-061824

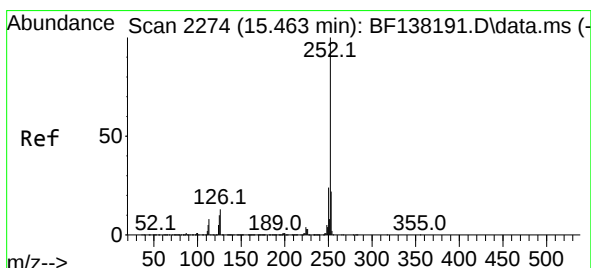
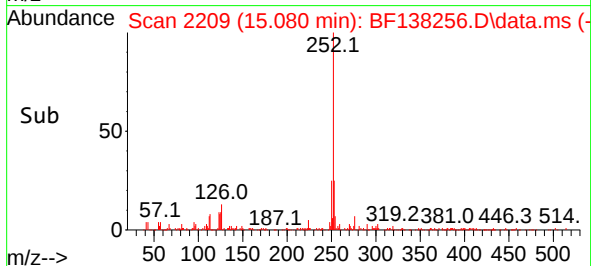
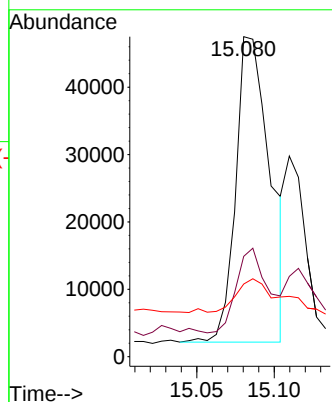
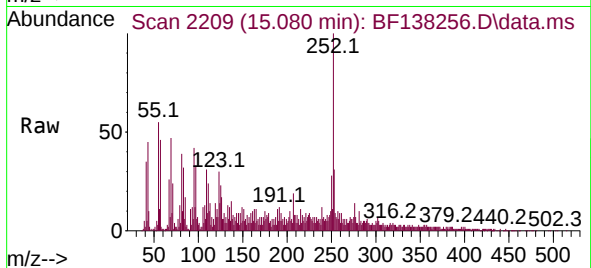
Tgt Ion:252 Resp: 69809

Ion Ratio Lower Upper

252 100

253 31.4 17.7 26.5#

125 22.7 7.8 11.8#



#90

Benzo(a)pyrene

Concen: 2.280 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

Tgt Ion:252 Resp: 47184

Ion Ratio Lower Upper

252 100

253 31.1 17.7 26.5#

125 26.7 8.2 12.2#

