

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138380.D
 Acq On : 27 Jun 2024 22:08
 Operator : CG\JU
 Sample : P3077-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-B-1

Quant Time: Jun 28 01:15:06 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)

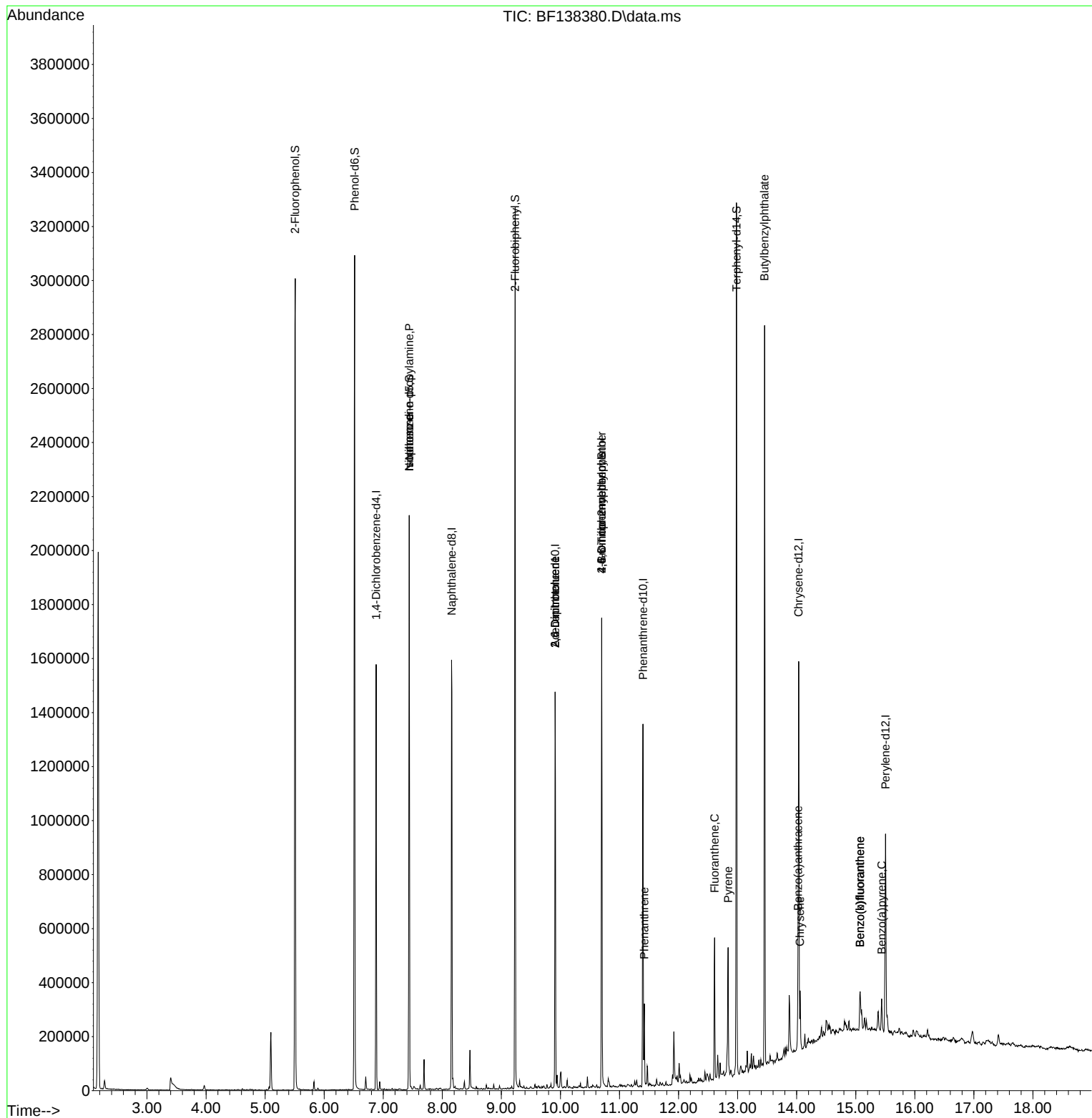
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	207635	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	708597	20.000	ng	-0.02
39) Acenaphthene-d10	9.910	164	291094	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	468744	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	425758	20.000	ng	-0.02
86) Perylene-d12	15.504	264	328372	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	888925	71.617	ng	0.00
7) Phenol-d6	6.516	99	1039515	66.046	ng	0.00
23) Nitrobenzene-d5	7.439	82	609649	50.087	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	208294	71.877	ng	-0.02
45) 2-Fluorobiphenyl	9.233	172	936843	51.177	ng	-0.02
79) Terphenyl-d14	12.980	244	1071753	39.869	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	79154	8.484	ng	# 77
25) Isophorone	7.439	82	609497	27.684	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	38156	9.861	ng	# 25
57) 2,4-Dinitrotoluene	9.910	165	38157	7.995	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.698	198	269	7.031	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	12606	2.387	ng	# 1
71) Phenanthrene	11.421	178	103014	4.444	ng	97
75) Fluoranthene	12.610	202	199833	8.454	ng	98
78) Pyrene	12.839	202	185003	5.038	ng	98
80) Butylbenzylphthalate	13.457	149	583095	58.372	ng	97
81) Benzo(a)anthracene	14.021	228	91933	3.366	ng	98
83) Chrysene	14.057	228	81415	3.127	ng	97
88) Benzo(b)fluoranthene	15.074	252	108127	5.584	ng	# 94
89) Benzo(k)fluoranthene	15.074	252	108127	5.698	ng	# 94
90) Benzo(a)pyrene	15.439	252	53088	3.191	ng	# 92

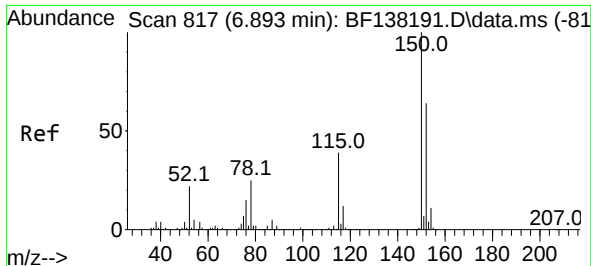
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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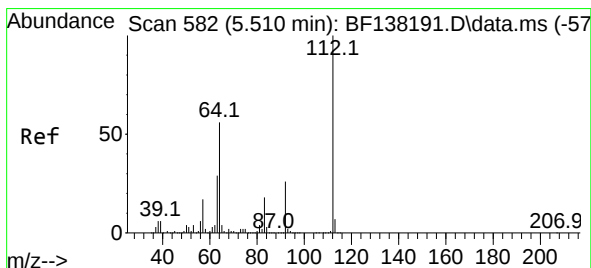
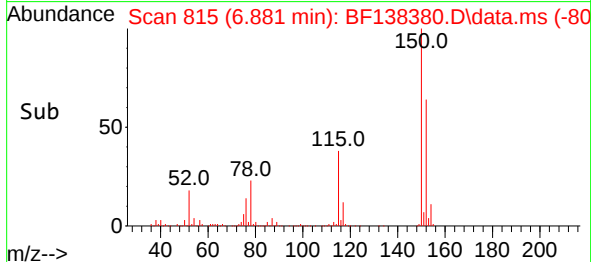
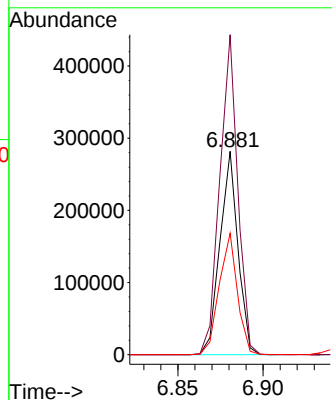
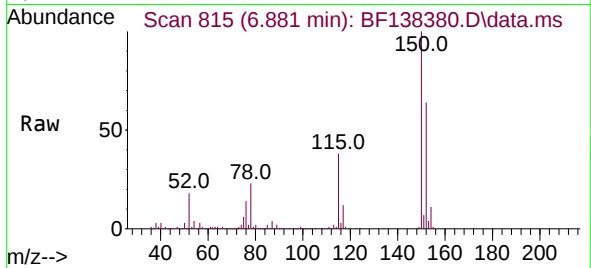




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

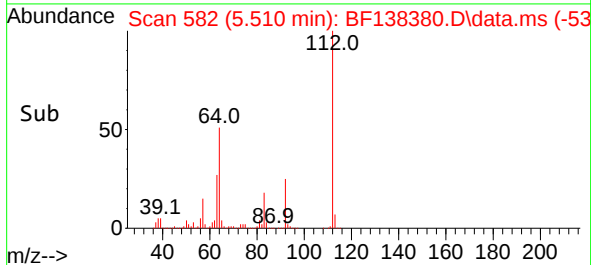
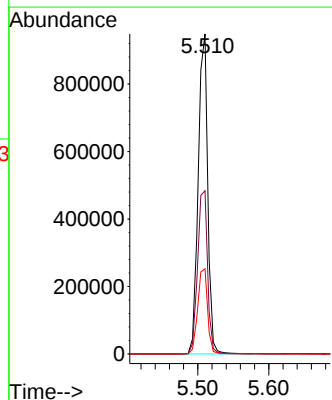
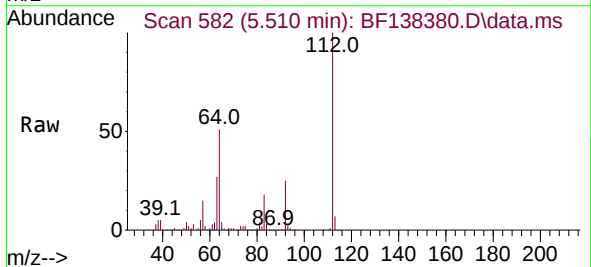
Instrument :
BNA_F
ClientSampleId :
1-B-1

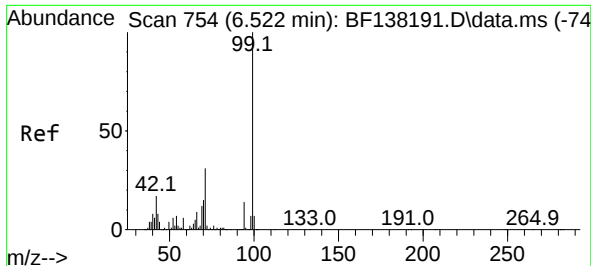
Tgt Ion:152 Resp: 207635
Ion Ratio Lower Upper
152 100
150 157.4 125.0 187.4
115 59.7 48.4 72.6



#5
2-Fluorophenol
Concen: 71.617 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

Tgt Ion:112 Resp: 888925
Ion Ratio Lower Upper
112 100
64 51.0 45.2 67.8
63 26.6 22.9 34.3

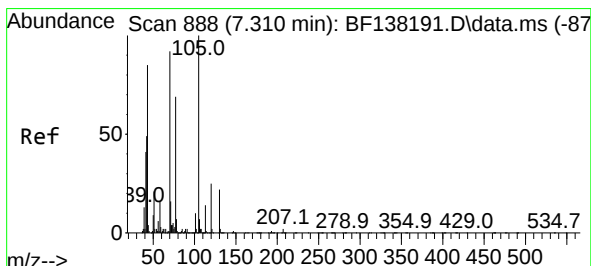
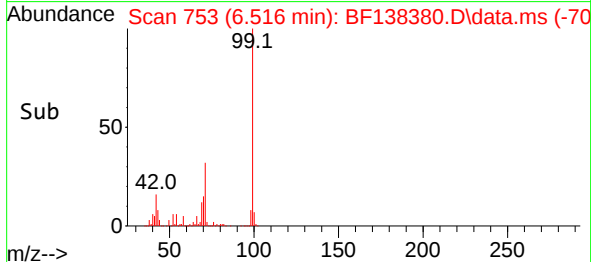
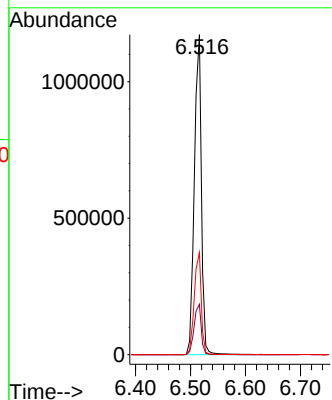
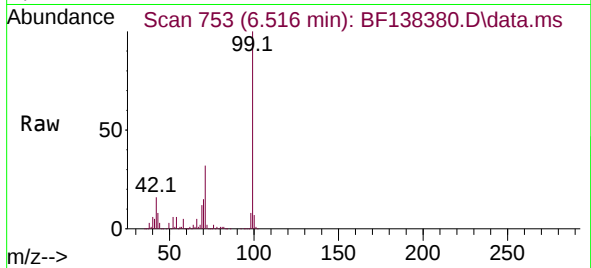




#7
Phenol-d6
Concen: 66.046 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

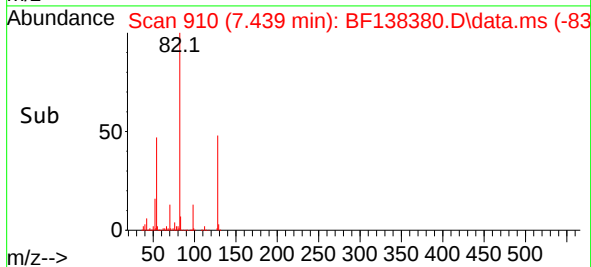
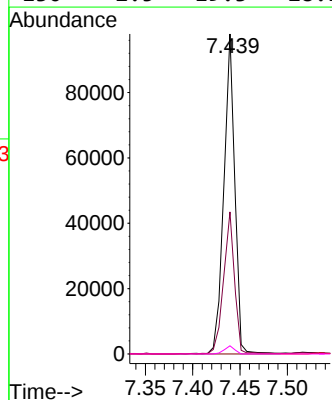
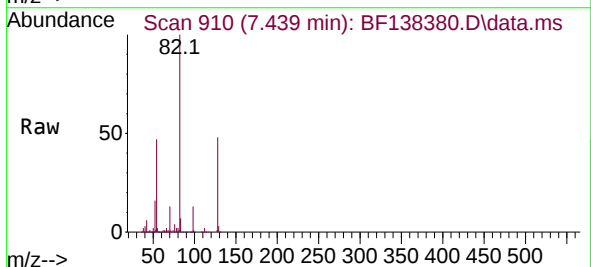
Instrument :
BNA_F
ClientSampleId :
1-B-1

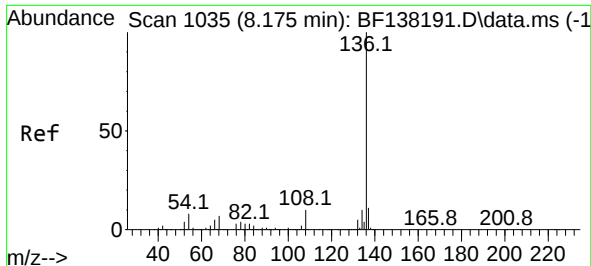
Tgt Ion: 99 Resp: 1039515
Ion Ratio Lower Upper
99 100
42 15.8 13.7 20.5
71 31.9 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.484 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.129 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

Tgt Ion: 70 Resp: 79154
Ion Ratio Lower Upper
70 100
42 44.4 42.8 64.2
101 0.0 8.4 12.6#
130 2.5 19.3 28.9#



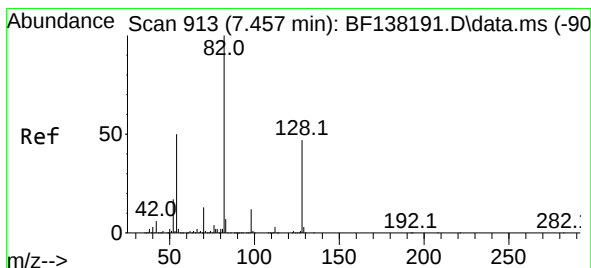
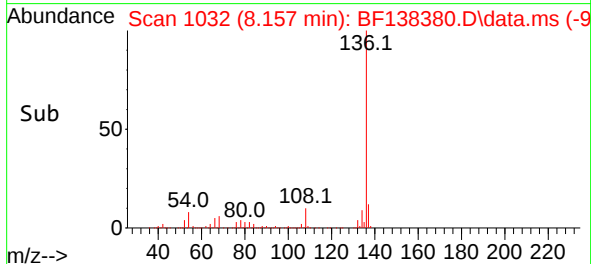
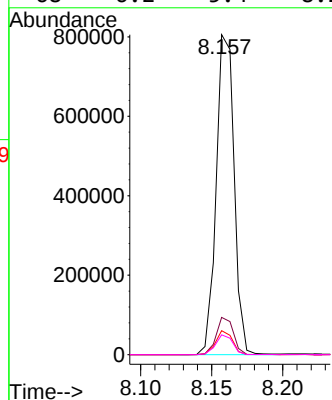
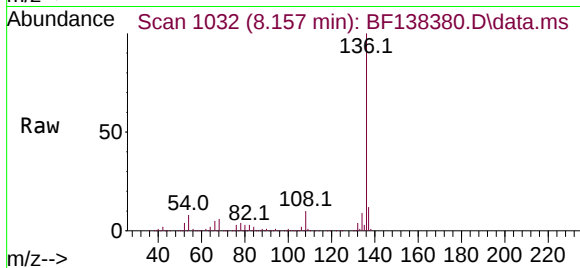


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

Instrument :
BNA_F
ClientSampleId :
1-B-1

Tgt Ion:136 Resp: 708597

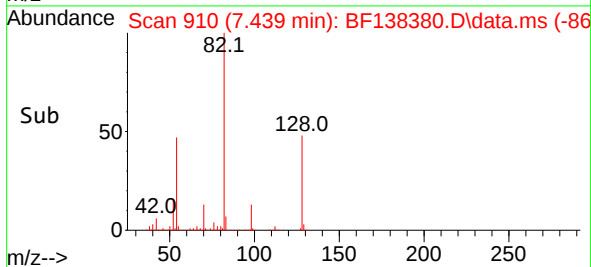
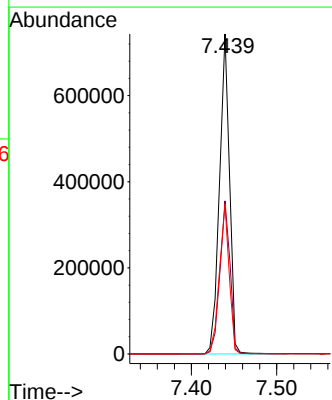
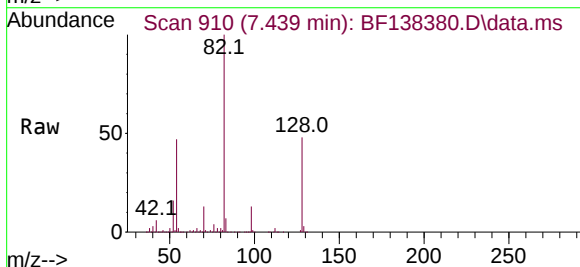
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.5	6.6	10.0
68	6.2	5.4	8.2

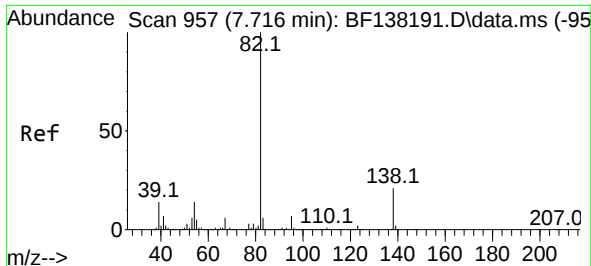


#23
Nitrobenzene-d5
Concen: 50.087 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

Tgt Ion: 82 Resp: 609649

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.2	55.8
54	46.7	39.8	59.6

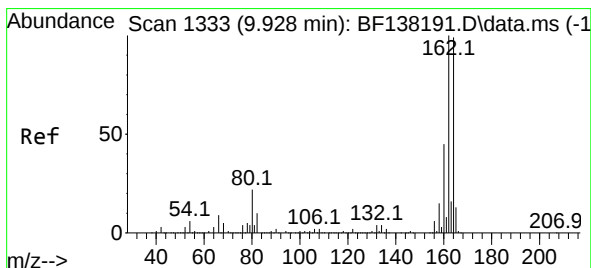
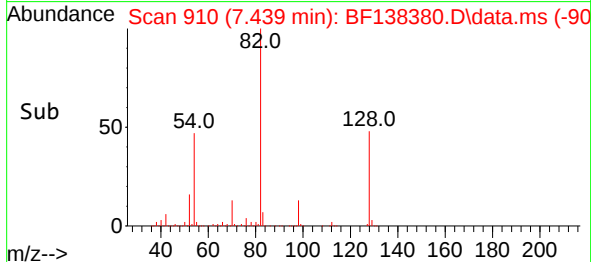
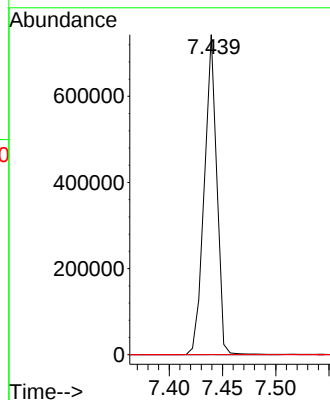
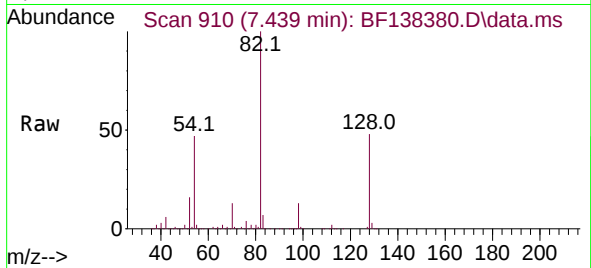




#25
Isophorone
Concen: 27.684 ng
RT: 7.439 min Scan# 91
Delta R.T. -0.277 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

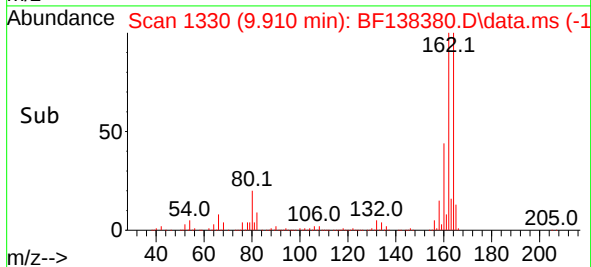
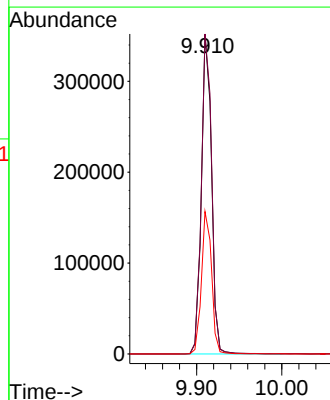
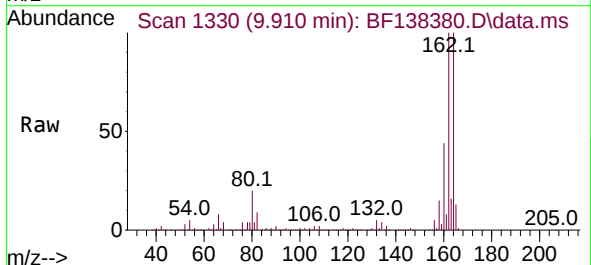
Instrument :
BNA_F
ClientSampleId :
1-B-1

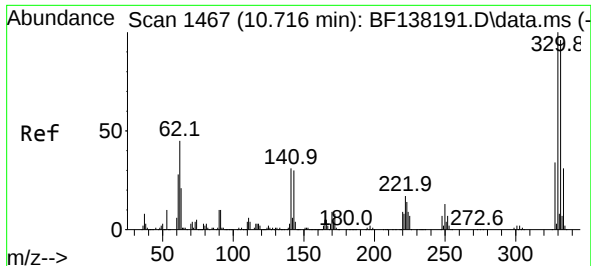
Tgt Ion: 82 Resp: 609497
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

Tgt Ion: 164 Resp: 291094
Ion Ratio Lower Upper
164 100
162 100.3 80.6 121.0
160 44.6 36.3 54.5

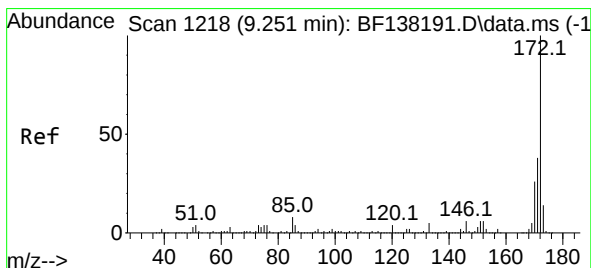
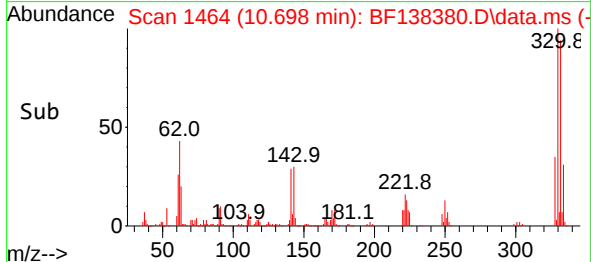
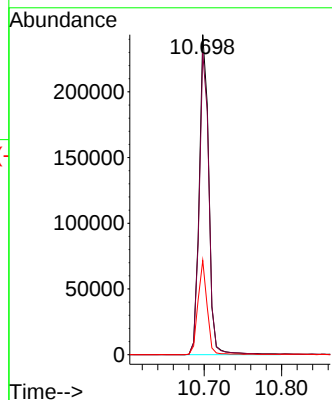
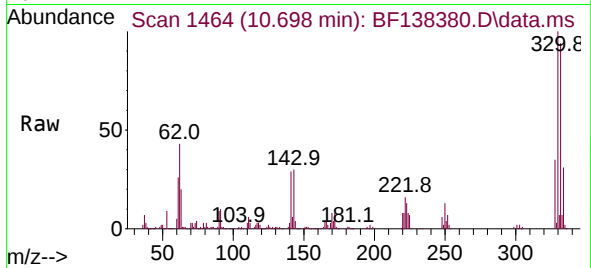




#42
 2,4,6-Tribromophenol
 Concen: 71.877 ng
 RT: 10.698 min Scan# 1464
 Delta R.T. -0.018 min
 Lab File: BF138380.D
 Acq: 27 Jun 2024 22:08

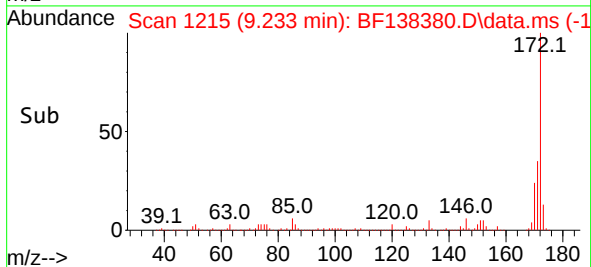
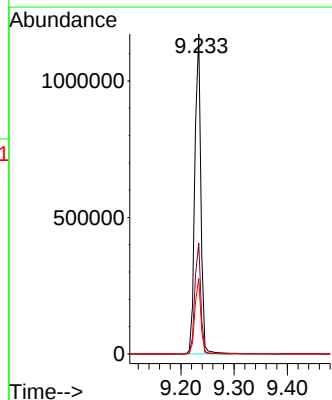
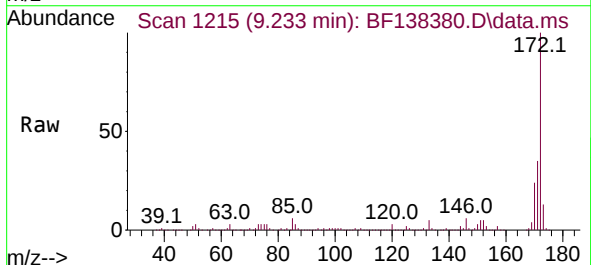
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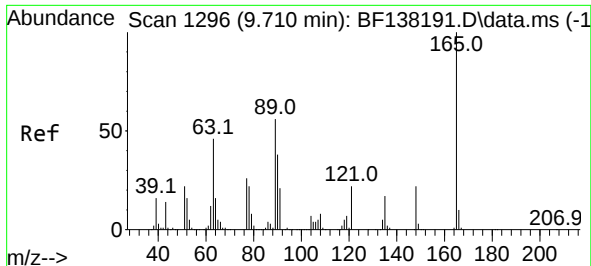
Tgt Ion:330 Resp: 208294
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 28.2 23.9 35.9



#45
 2-Fluorobiphenyl
 Concen: 51.177 ng
 RT: 9.233 min Scan# 1215
 Delta R.T. -0.018 min
 Lab File: BF138380.D
 Acq: 27 Jun 2024 22:08

Tgt Ion:172 Resp: 936843
 Ion Ratio Lower Upper
 172 100
 171 34.6 30.3 45.5
 170 23.5 20.6 30.8

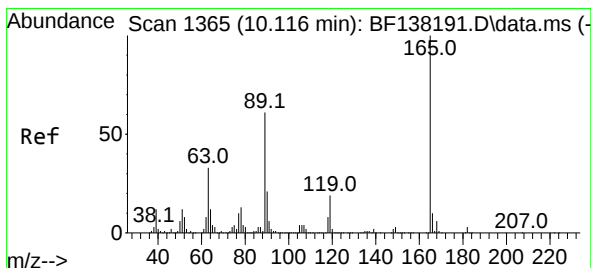
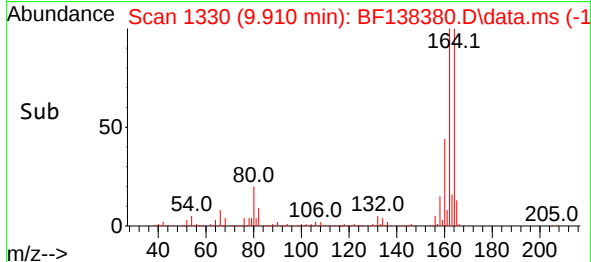
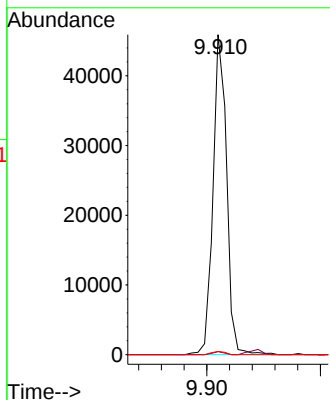
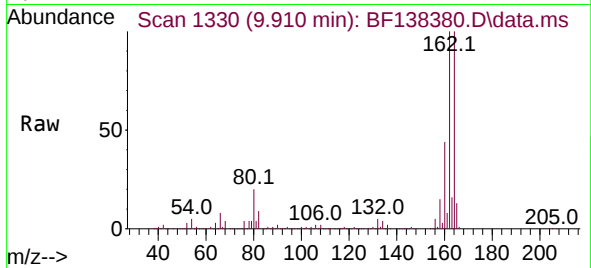




#51
2,6-Dinitrotoluene
Concen: 9.861 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.200 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

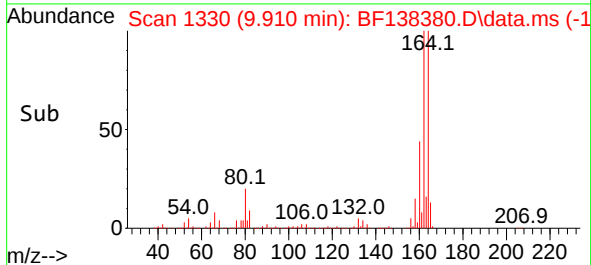
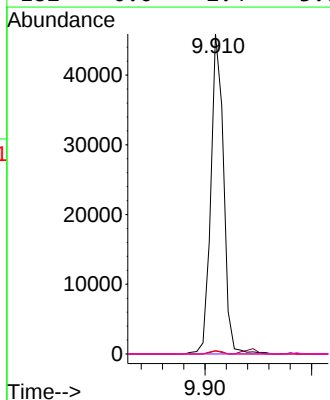
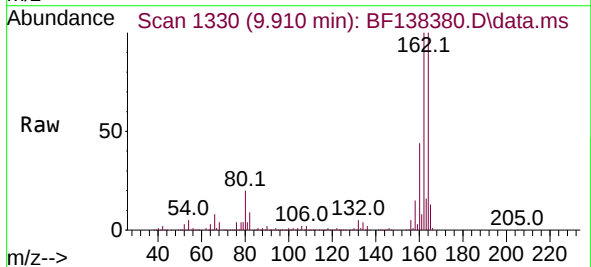
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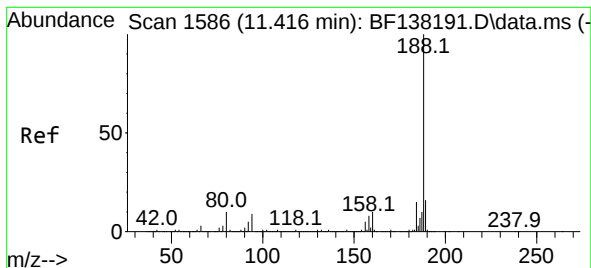
Tgt Ion:165 Resp: 38156
Ion Ratio Lower Upper
165 100
63 0.9 43.7 65.5#
89 1.0 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 7.995 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.206 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

Tgt Ion:165 Resp: 38157
Ion Ratio Lower Upper
165 100
63 0.9 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: 11.398 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Instrument :

BNA_F

ClientSampleId :

1-B-1

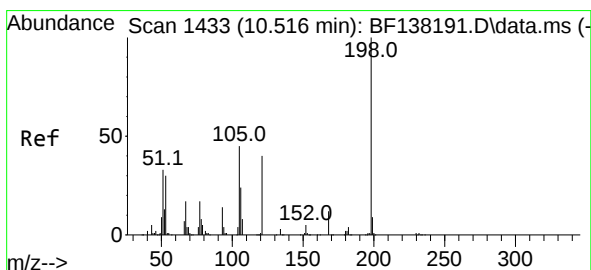
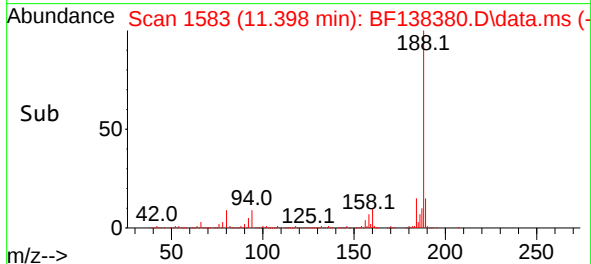
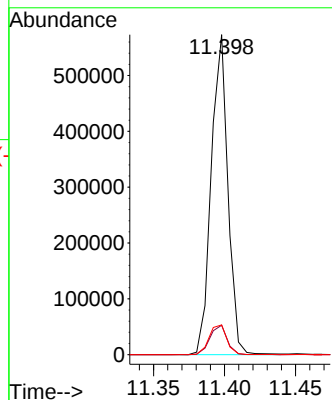
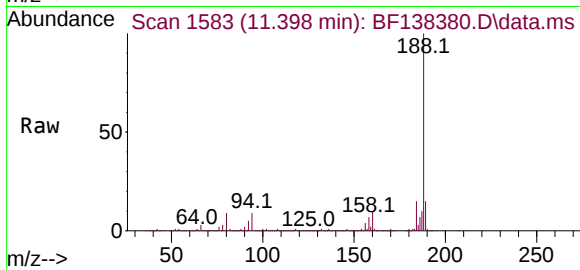
Tgt Ion:188 Resp: 468744

Ion Ratio Lower Upper

188 100

94 9.2 7.6 11.4

80 9.3 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.031 ng

RT: 10.698 min Scan# 1464

Delta R.T. 0.182 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

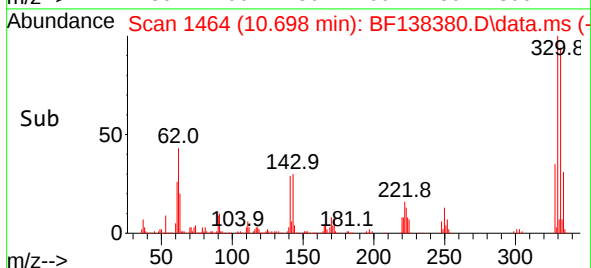
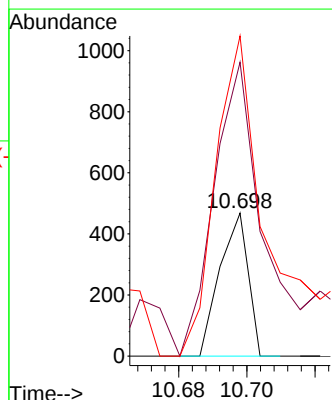
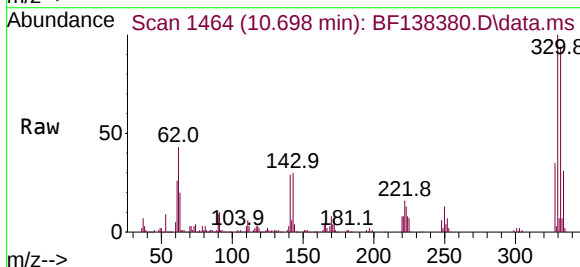
Tgt Ion:198 Resp: 269

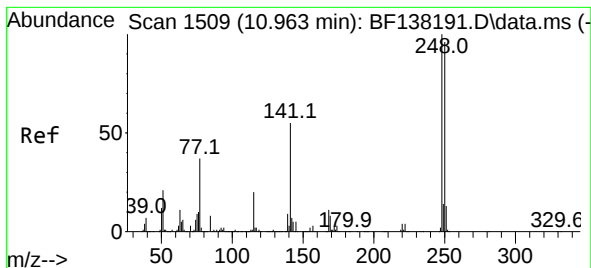
Ion Ratio Lower Upper

198 100

51 205.6 26.9 66.9#

105 223.9 26.0 66.0#

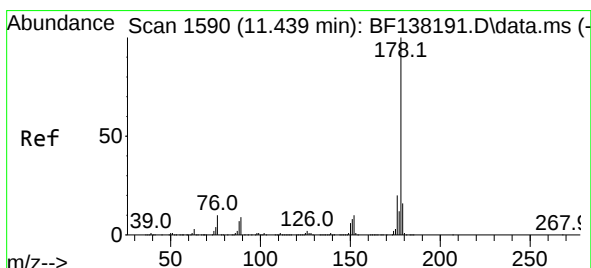
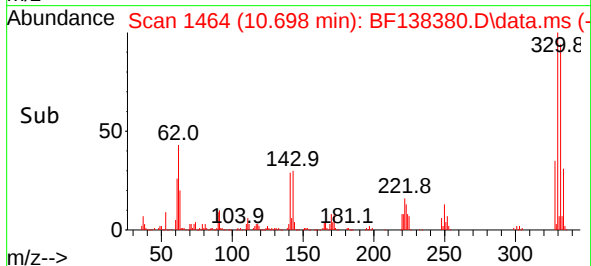
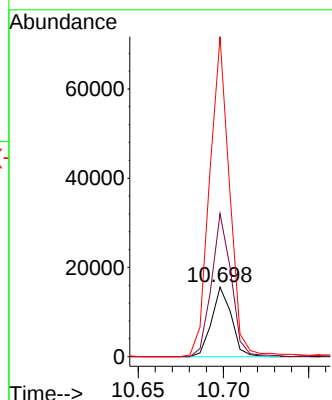
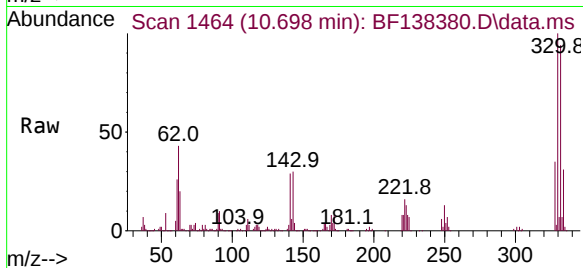




#67
4-Bromophenyl-phenylether
Concen: 2.387 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.265 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

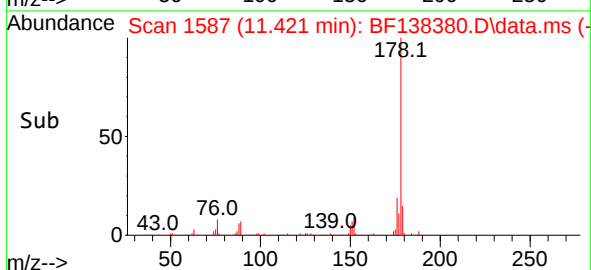
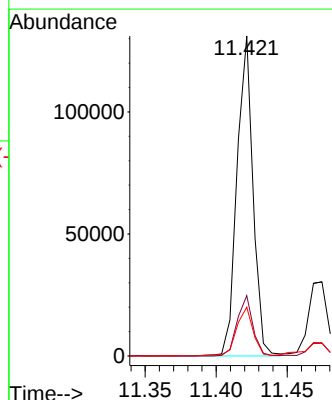
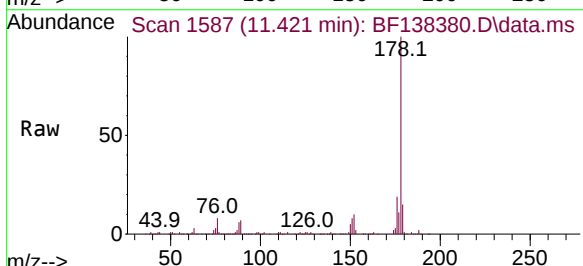
Instrument :
BNA_F
ClientSampleId :
1-B-1

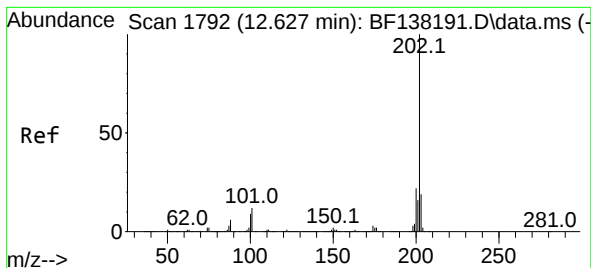
Tgt Ion:248 Resp: 12606
Ion Ratio Lower Upper
248 100
250 205.7 77.2 115.8#
141 460.3 44.1 66.1#



#71
Phenanthrene
Concen: 4.444 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.018 min
Lab File: BF138380.D
Acq: 27 Jun 2024 22:08

Tgt Ion:178 Resp: 103014
Ion Ratio Lower Upper
178 100
176 18.9 16.4 24.6
179 15.3 13.1 19.7





#75

Fluoranthene

Concen: 8.454 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Instrument :

BNA_F

ClientSampleId :

1-B-1

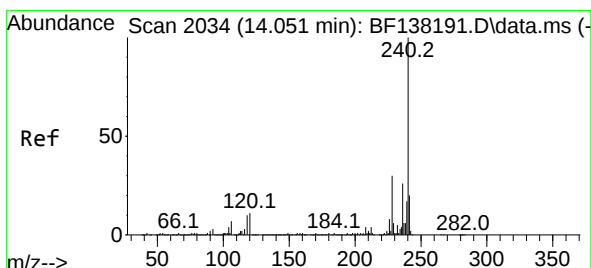
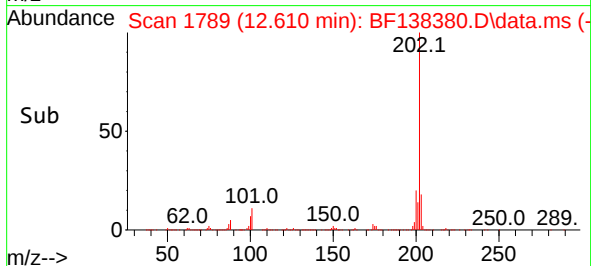
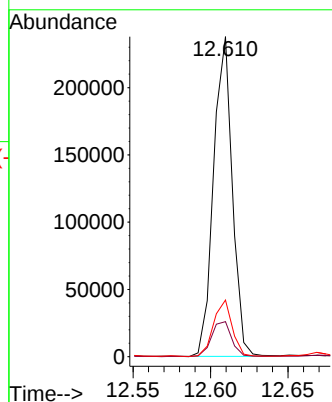
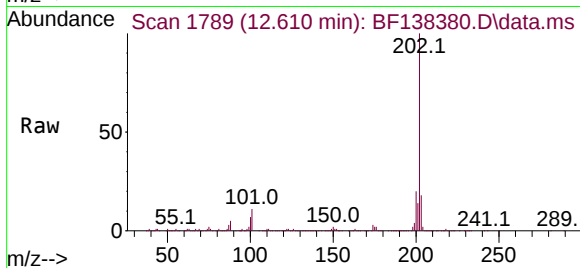
Tgt Ion:202 Resp: 199833

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.8

203 17.7 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

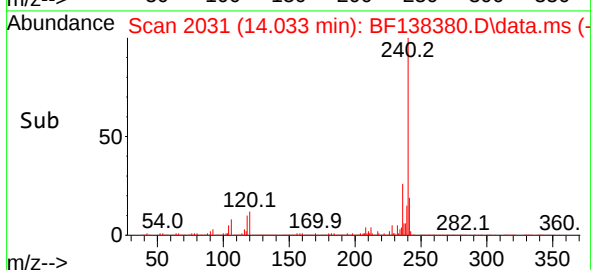
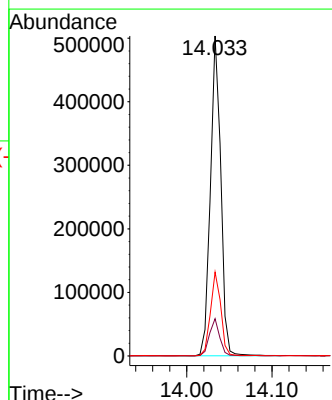
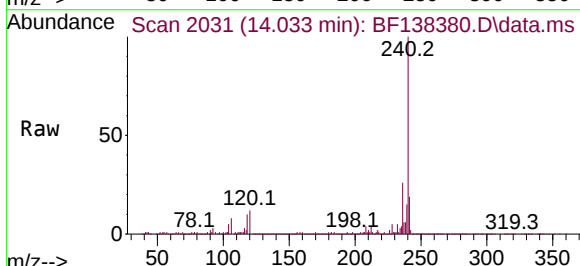
Tgt Ion:240 Resp: 425758

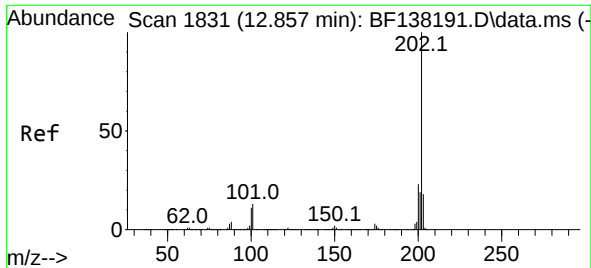
Ion Ratio Lower Upper

240 100

120 11.7 9.2 13.8

236 26.2 21.0 31.6





#78

Pyrene

Concen: 5.038 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Instrument :

BNA_F

ClientSampleId :

1-B-1

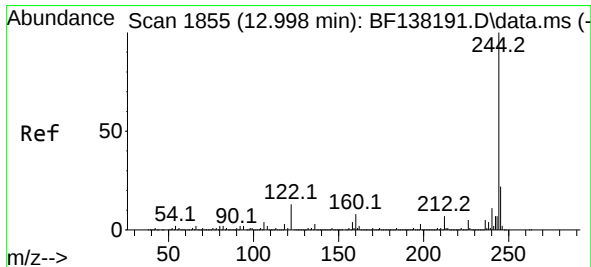
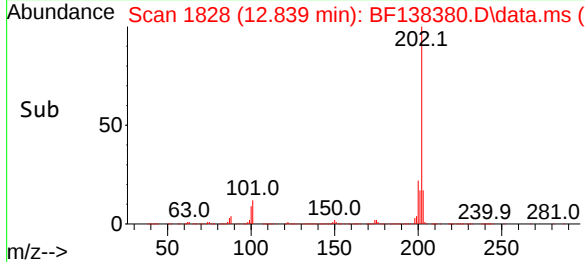
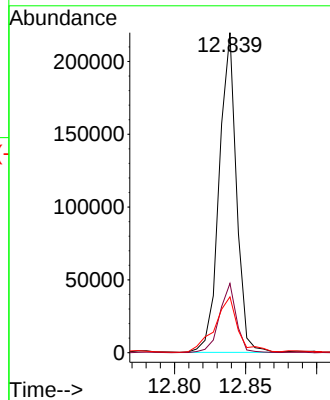
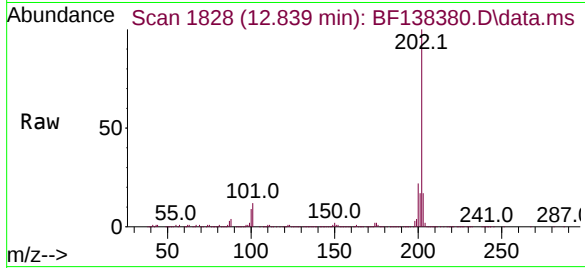
Tgt Ion:202 Resp: 185003

Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

203 17.4 14.7 22.1



#79

Terphenyl-d14

Concen: 39.869 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

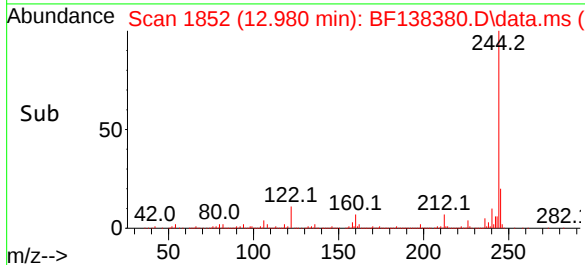
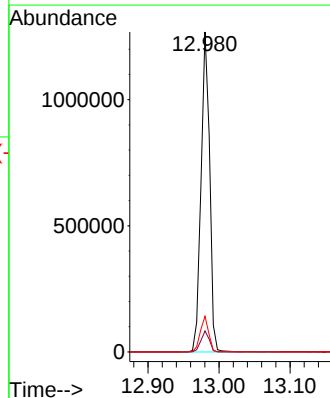
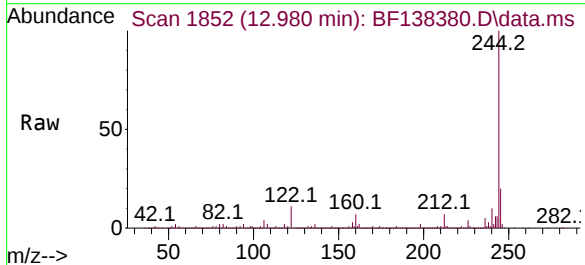
Tgt Ion:244 Resp: 1071753

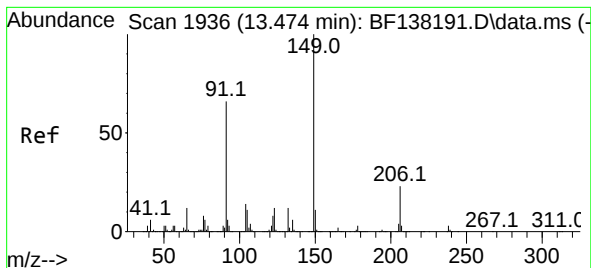
Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

122 11.1 10.6 15.8





#80

Butylbenzylphthalate

Concen: 58.372 ng

RT: 13.457 min Scan# 1933

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Instrument :

BNA_F

ClientSampleId :

1-B-1

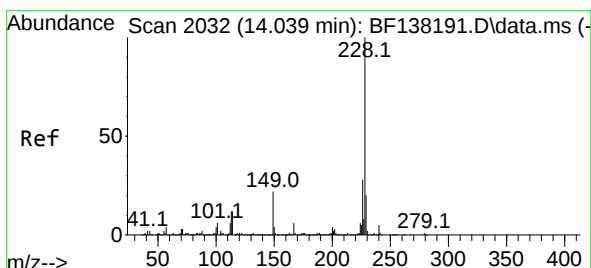
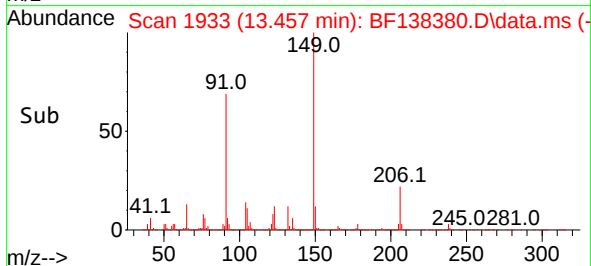
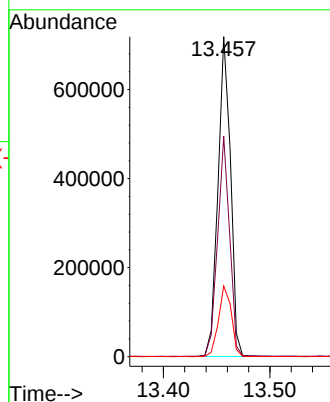
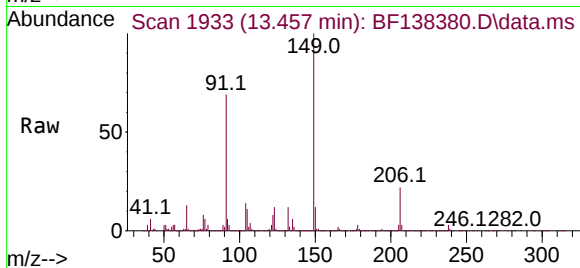
Tgt Ion:149 Resp: 583095

Ion Ratio Lower Upper

149 100

91 68.9 53.2 79.8

206 22.1 18.6 27.8



#81

Benzo(a)anthracene

Concen: 3.366 ng

RT: 14.021 min Scan# 2029

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

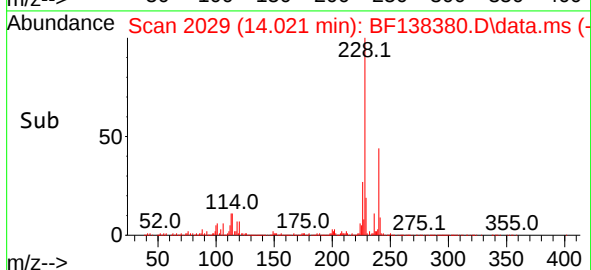
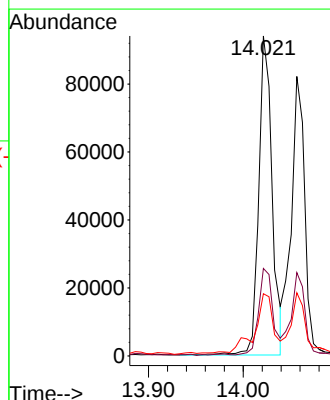
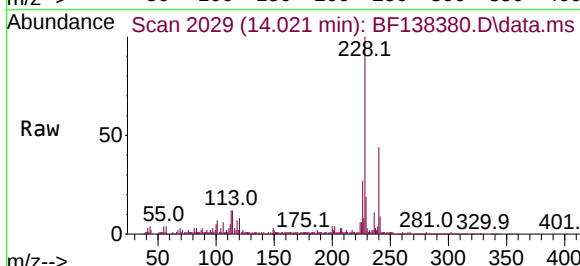
Tgt Ion:228 Resp: 91933

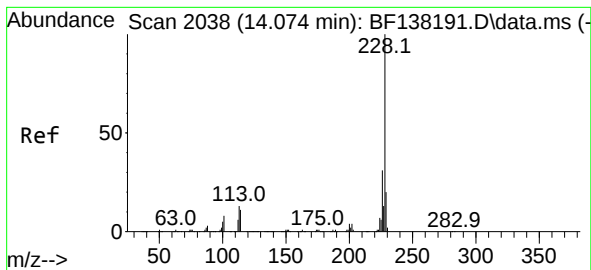
Ion Ratio Lower Upper

228 100

226 27.3 22.5 33.7

229 19.4 16.3 24.5





#83

Chrysene

Concen: 3.127 ng

RT: 14.057 min Scan# 2038

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Instrument :

BNA_F

ClientSampleId :

1-B-1

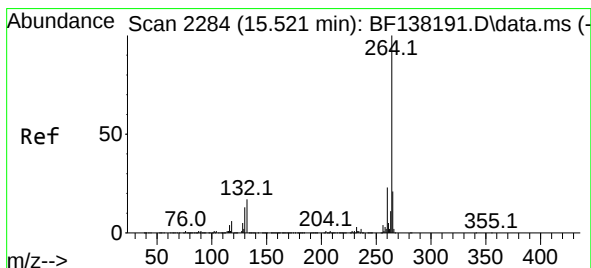
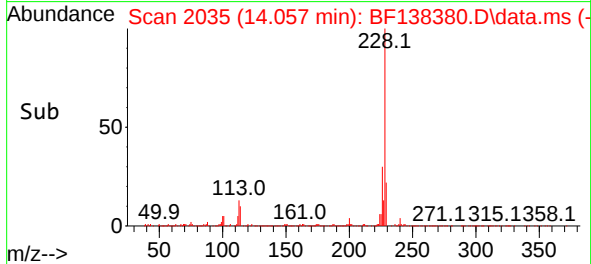
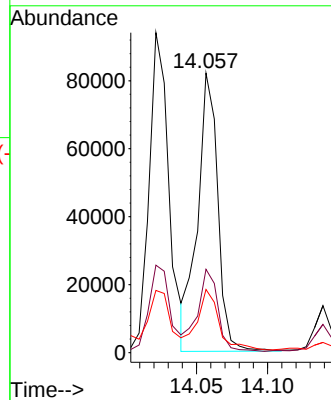
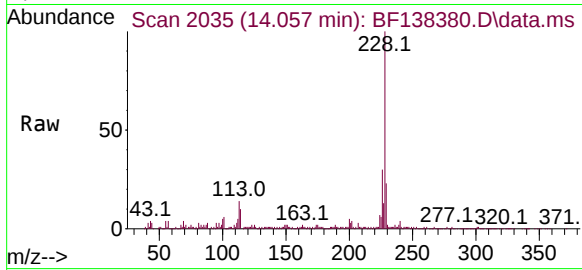
Tgt Ion:228 Resp: 81415

Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

229 22.6 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

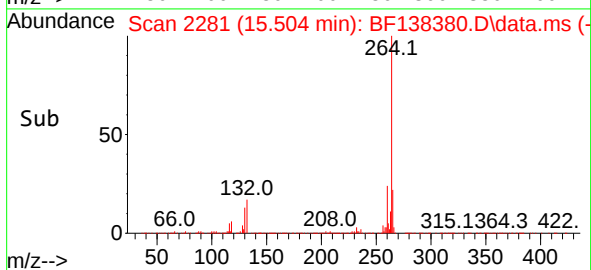
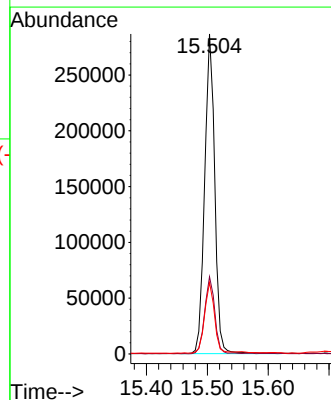
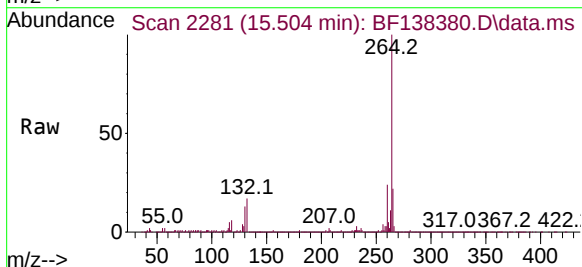
Tgt Ion:264 Resp: 328372

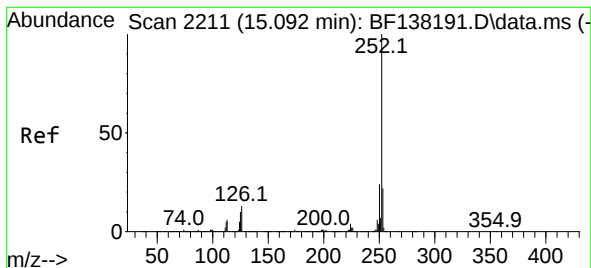
Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.3 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 5.584 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Instrument :

BNA_F

ClientSampleId :

1-B-1

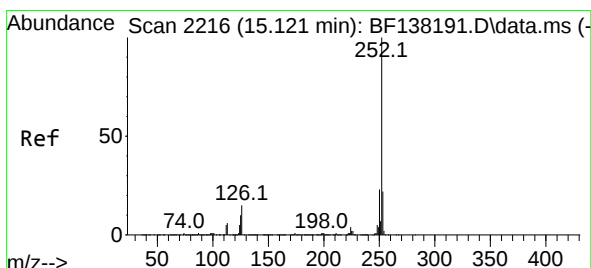
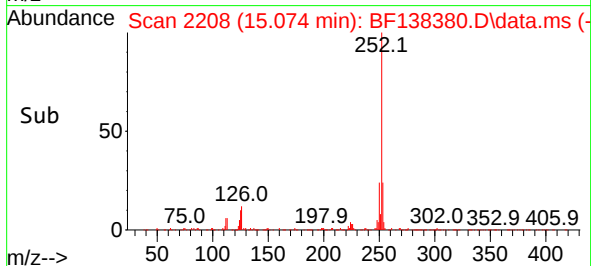
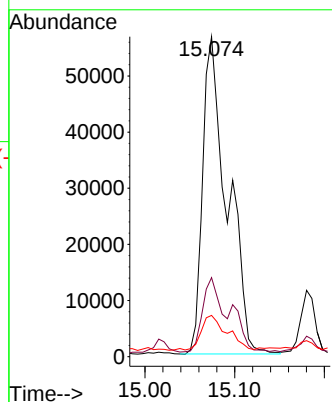
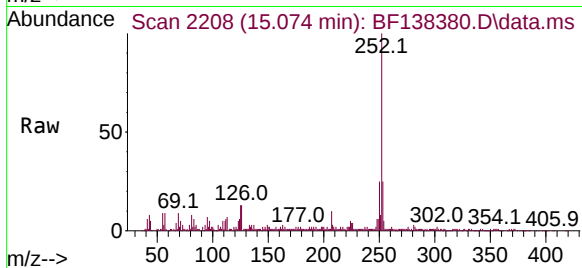
Tgt Ion:252 Resp: 108127

Ion Ratio Lower Upper

252 100

253 24.7 17.7 26.5

125 12.9 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 5.698 ng

RT: 15.074 min Scan# 2208

Delta R.T. -0.047 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

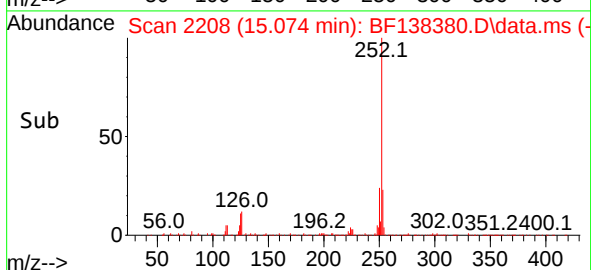
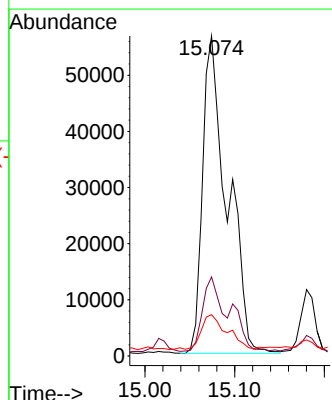
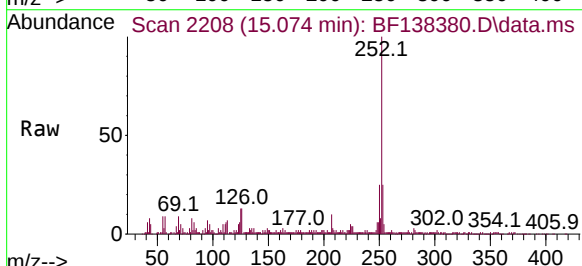
Tgt Ion:252 Resp: 108127

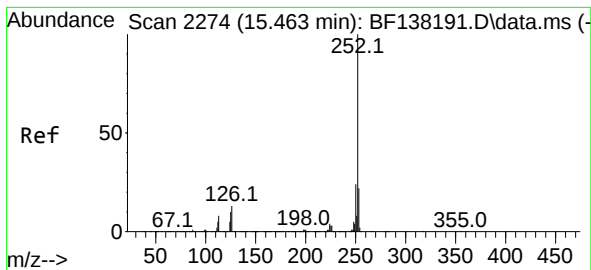
Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

125 12.9 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 3.191 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138380.D

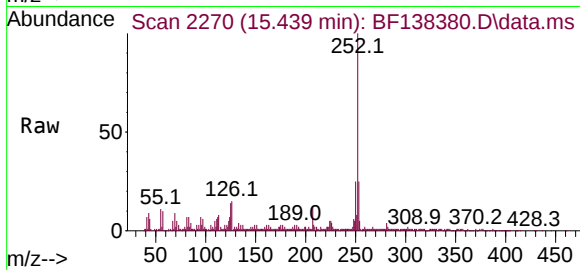
Acq: 27 Jun 2024 22:08

Instrument :

BNA_F

ClientSampleId :

1-B-1



Tgt Ion:252 Resp: 53088

Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

125 14.4 8.2 12.2#

