

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138377.D
 Acq On : 27 Jun 2024 20:39
 Operator : CG\JU
 Sample : P3077-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-N-1

Quant Time: Jun 28 01:14:07 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)

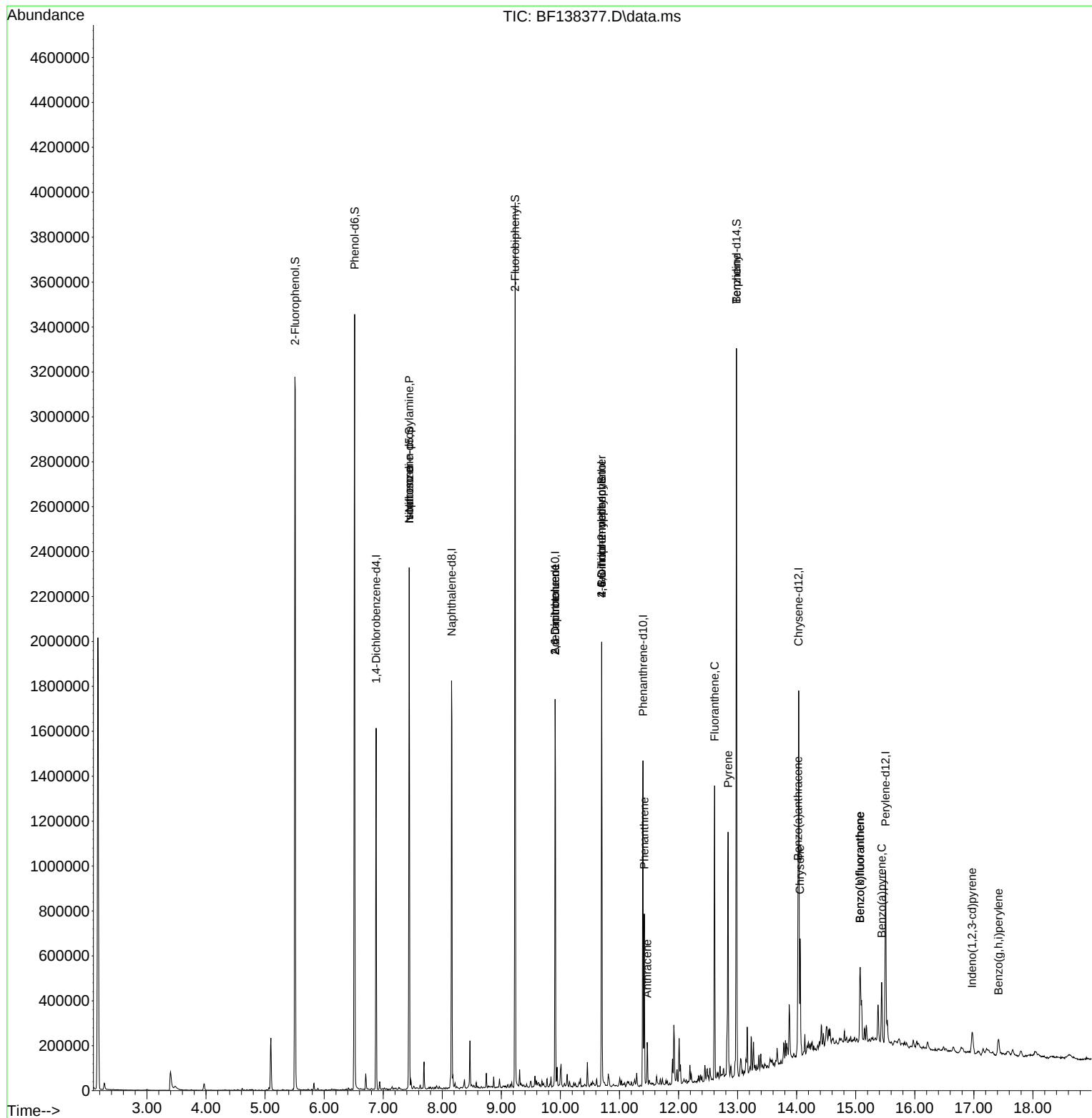
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	221890	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	790166	20.000	ng	-0.02
39) Acenaphthene-d10	9.910	164	343796	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	492216	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	439501	20.000	ng	-0.02
86) Perylene-d12	15.504	264	342765	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	967762	72.960	ng	0.00
7) Phenol-d6	6.516	99	1140431	67.803	ng	0.00
23) Nitrobenzene-d5	7.440	82	694250	51.150	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	230790	67.432	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	1115698	51.604	ng	-0.02
79) Terphenyl-d14	12.980	244	1082590	39.013	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	90171	9.044	ng	# 76
25) Isophorone	7.440	82	693197	28.235	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	45618	9.983	ng	# 25
57) 2,4-Dinitrotoluene	9.910	165	45618	8.094	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.698	198	373	7.061	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	14566	2.626	ng	# 1
71) Phenanthrene	11.422	178	261627	10.748	ng	97
72) Anthracene	11.469	178	70095	2.900	ng	97
75) Fluoranthene	12.610	202	477889	19.253	ng	97
77) Benzidine	12.980	184	13798	2.714	ng	# 95
78) Pyrene	12.839	202	422079	11.134	ng	97
81) Benzo(a)anthracene	14.022	228	234088	8.302	ng	99
83) Chrysene	14.057	228	197806	7.360	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	71471	3.199	ng	94
88) Benzo(b)fluoranthene	15.074	252	260905	12.908	ng	97
89) Benzo(k)fluoranthene	15.074	252	260905	13.171	ng	97
90) Benzo(a)pyrene	15.439	252	127475	7.341	ng	96
92) Benzo(g,h,i)perylene	17.415	276	63155	3.329	ng	98

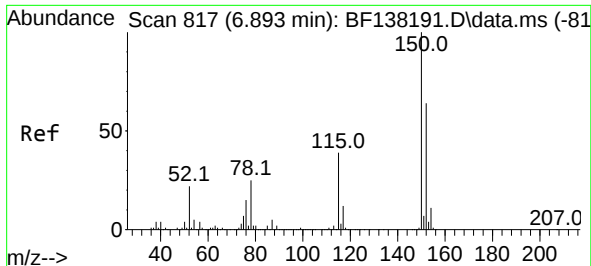
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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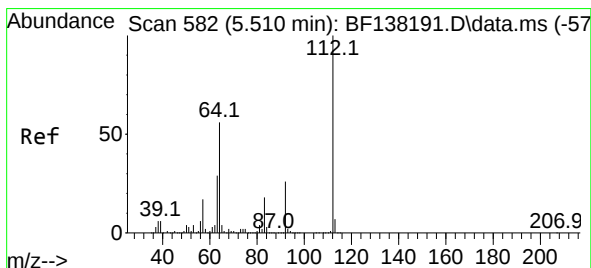
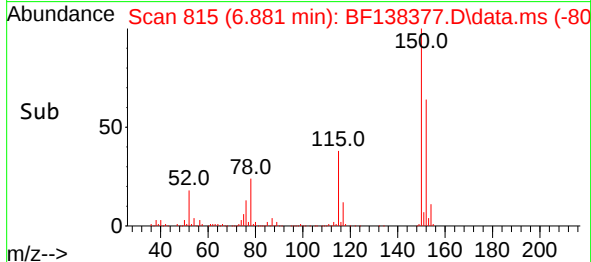
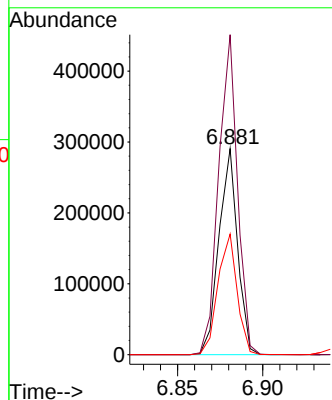
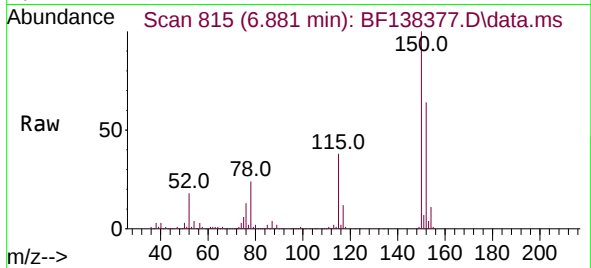




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 817
 Delta R.T. -0.012 min
 Lab File: BF138377.D
 Acq: 27 Jun 2024 20:39

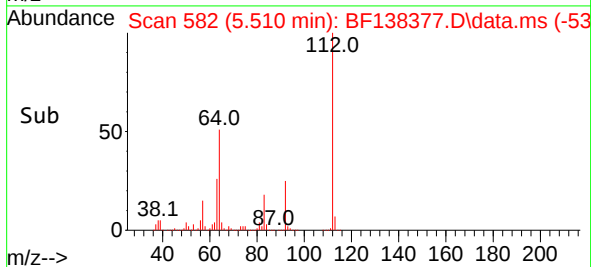
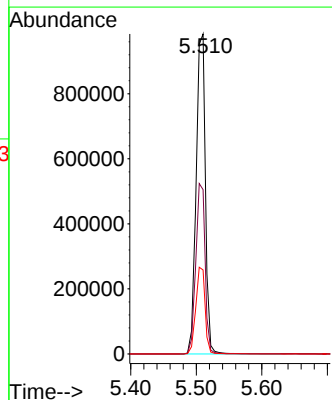
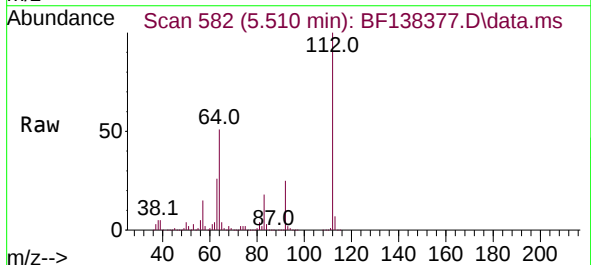
Instrument :
 BNA_F
 ClientSampleId :
 1-N-1

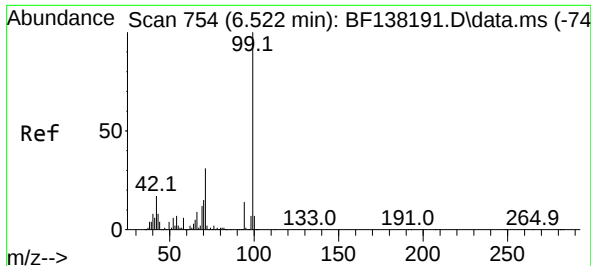
Tgt Ion:152 Resp: 221890
 Ion Ratio Lower Upper
 152 100
 150 155.3 125.0 187.4
 115 58.6 48.4 72.6



#5
 2-Fluorophenol
 Concen: 72.960 ng
 RT: 5.510 min Scan# 582
 Delta R.T. 0.000 min
 Lab File: BF138377.D
 Acq: 27 Jun 2024 20:39

Tgt Ion:112 Resp: 967762
 Ion Ratio Lower Upper
 112 100
 64 51.4 45.2 67.8
 63 26.2 22.9 34.3

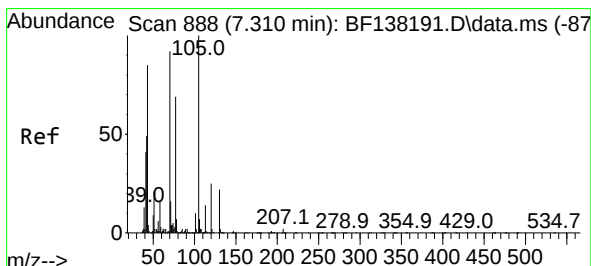
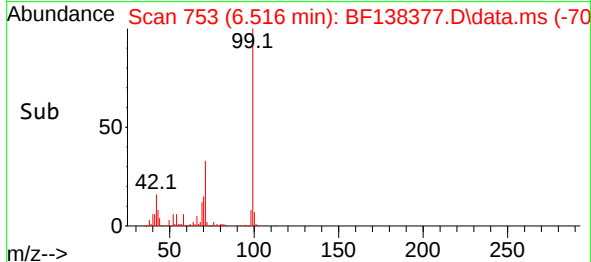
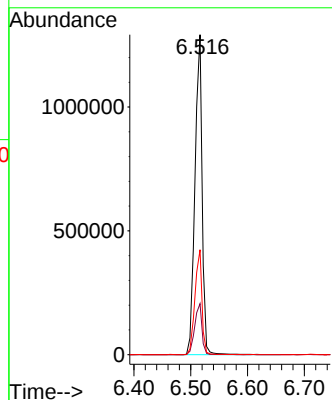
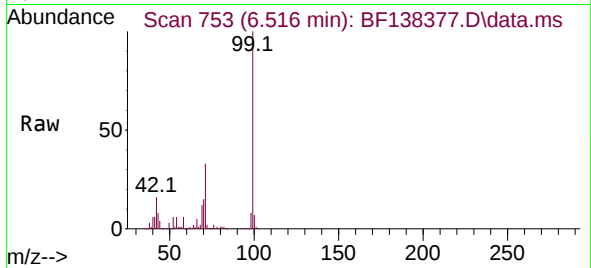




#7
Phenol-d6
Concen: 67.803 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

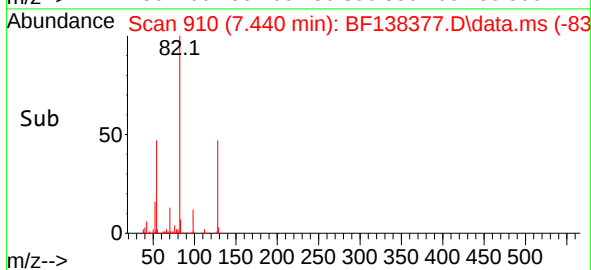
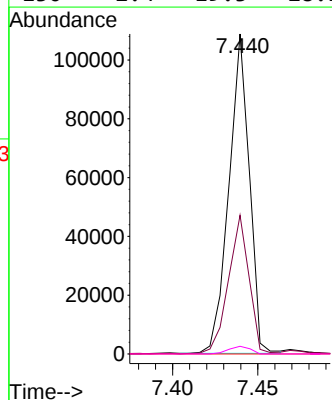
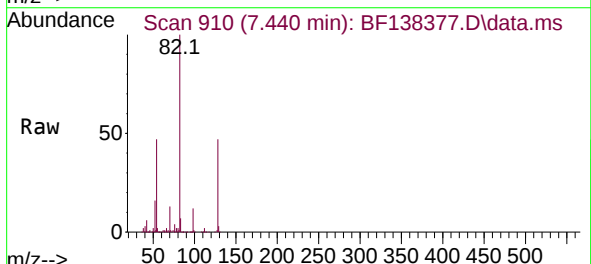
Instrument :
BNA_F
ClientSampleId :
1-N-1

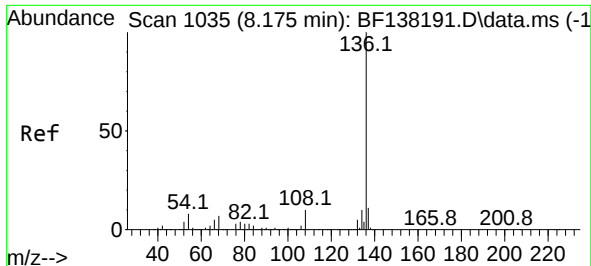
Tgt Ion: 99 Resp: 1140431
Ion Ratio Lower Upper
99 100
42 15.9 13.7 20.5
71 32.8 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.044 ng
RT: 7.440 min Scan# 910
Delta R.T. 0.129 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

Tgt Ion: 70 Resp: 90171
Ion Ratio Lower Upper
70 100
42 43.4 42.8 64.2
101 0.0 8.4 12.6#
130 2.4 19.3 28.9#

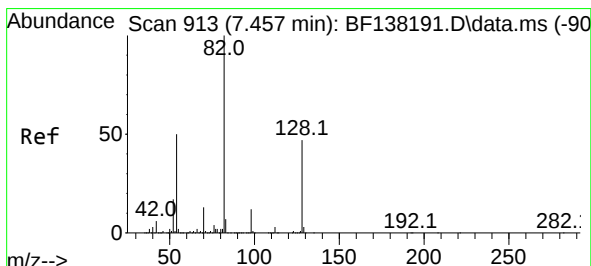
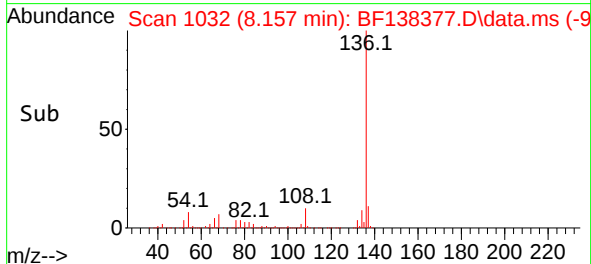
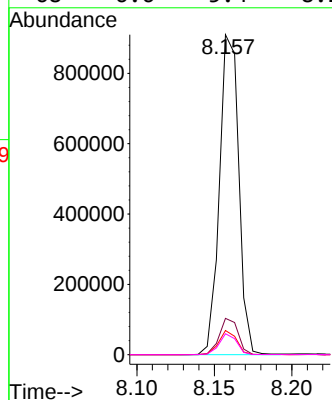
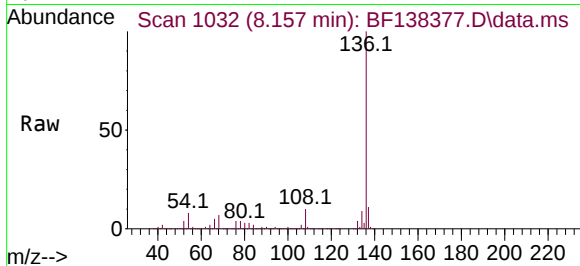




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

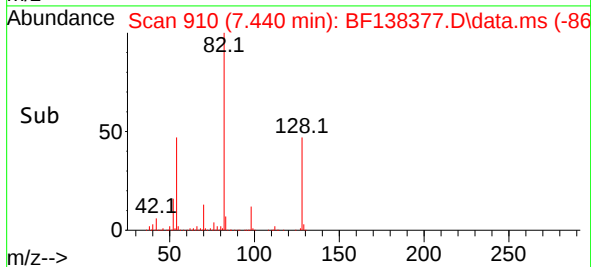
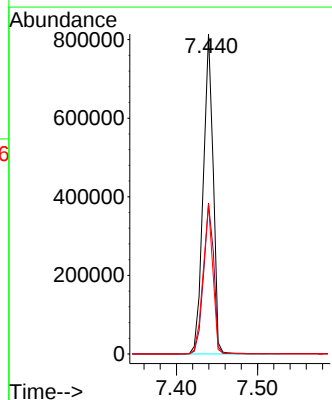
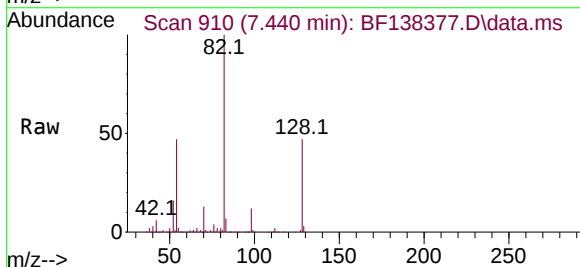
Instrument :
BNA_F
ClientSampleId :
1-N-1

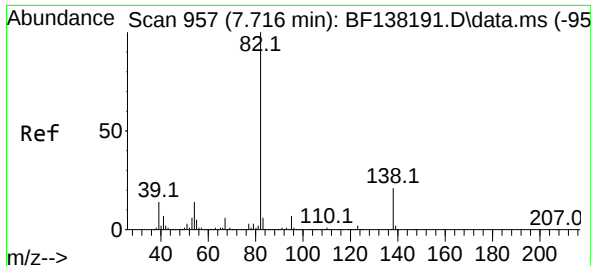
Tgt Ion:	136	Resp:	790166
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.6	6.6	10.0
68	6.6	5.4	8.2



#23
Nitrobenzene-d5
Concen: 51.150 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

Tgt Ion:	82	Resp:	694250
Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.2	55.8
54	46.8	39.8	59.6

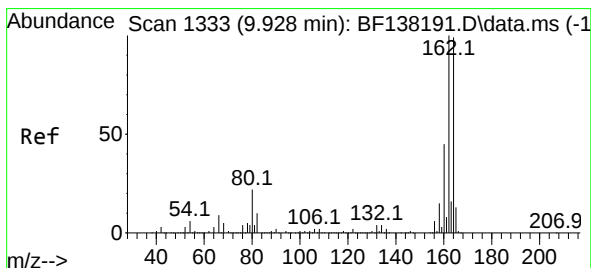
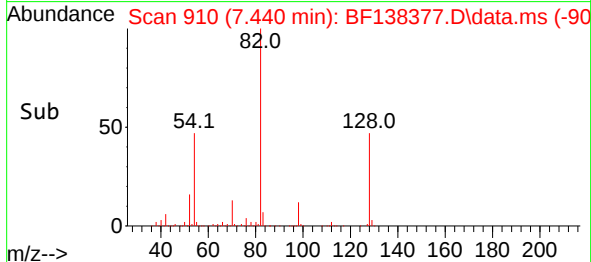
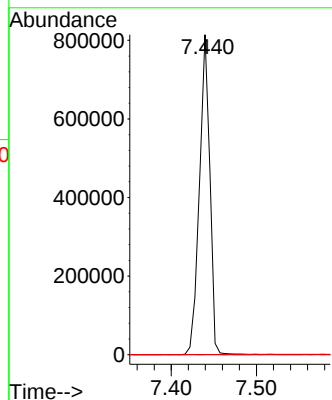
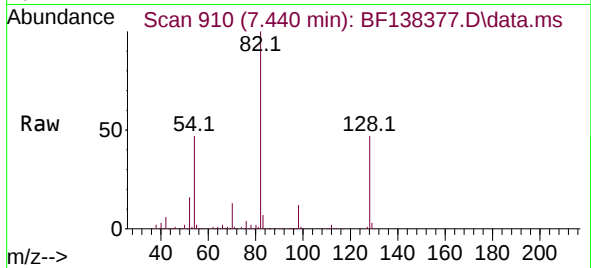




#25
Isophorone
Concen: 28.235 ng
RT: 7.440 min Scan# 91
Delta R.T. -0.276 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

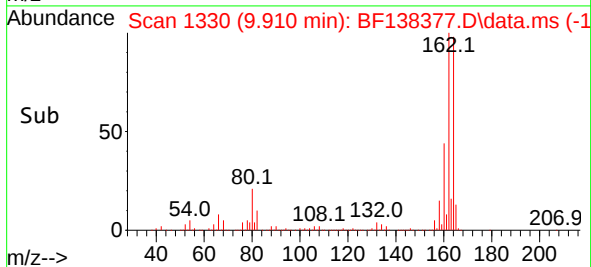
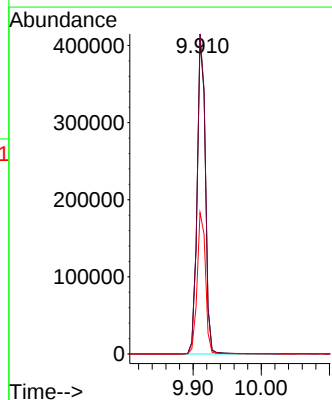
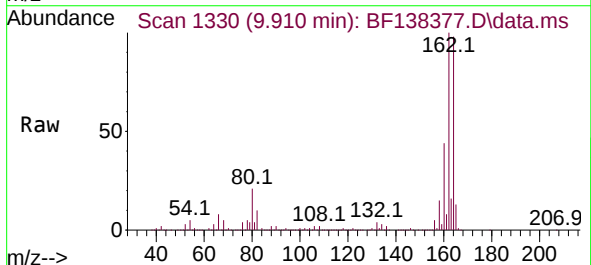
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ClientSampleId :
1-N-1

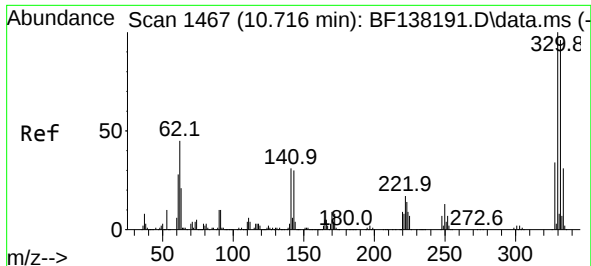
Tgt Ion: 82 Resp: 693197
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

Tgt Ion: 164 Resp: 343796
Ion Ratio Lower Upper
164 100
162 101.6 80.6 121.0
160 44.8 36.3 54.5

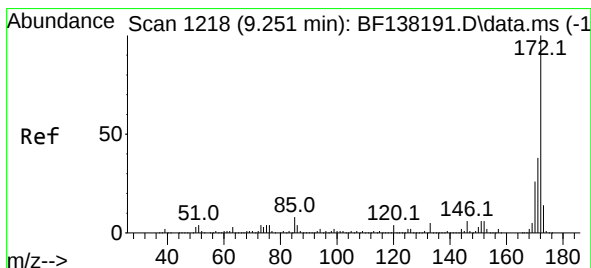
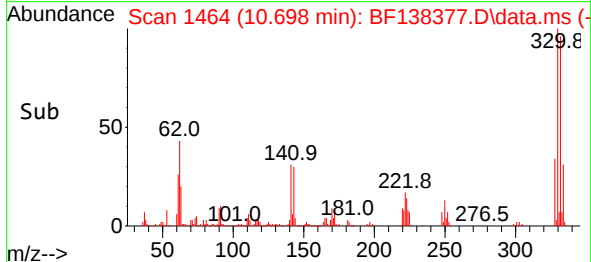
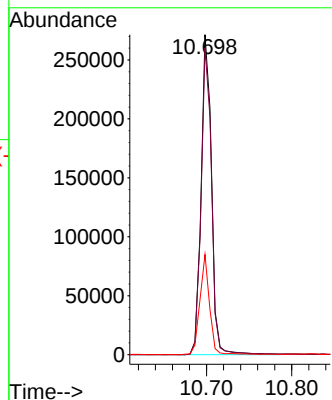
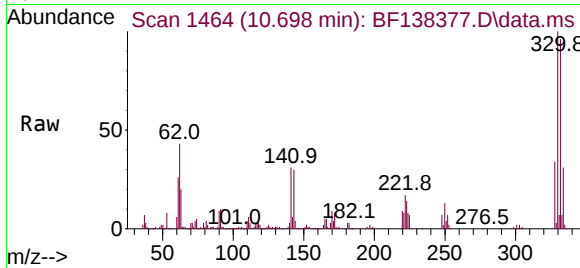




#42
 2,4,6-Tribromophenol
 Concen: 67.432 ng
 RT: 10.698 min Scan# 1464
 Delta R.T. -0.018 min
 Lab File: BF138377.D
 Acq: 27 Jun 2024 20:39

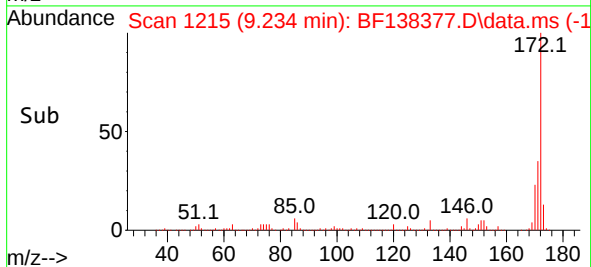
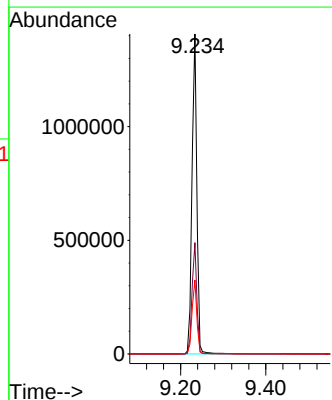
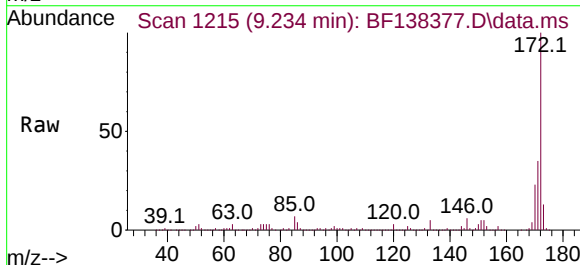
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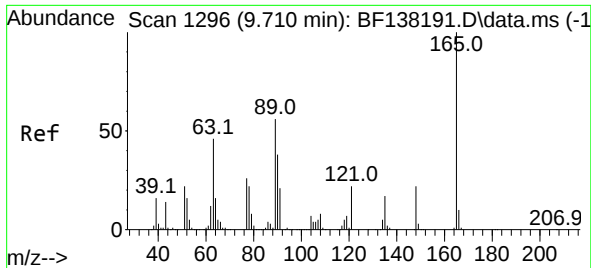
Tgt Ion:330 Resp: 230790
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 29.5 23.9 35.9



#45
 2-Fluorobiphenyl
 Concen: 51.604 ng
 RT: 9.234 min Scan# 1215
 Delta R.T. -0.017 min
 Lab File: BF138377.D
 Acq: 27 Jun 2024 20:39

Tgt Ion:172 Resp: 1115698
 Ion Ratio Lower Upper
 172 100
 171 34.8 30.3 45.5
 170 23.1 20.6 30.8

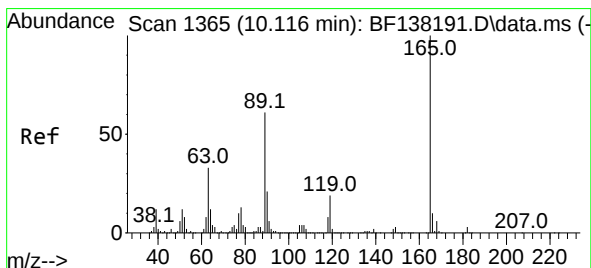
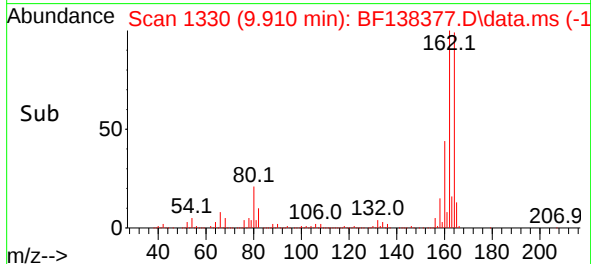
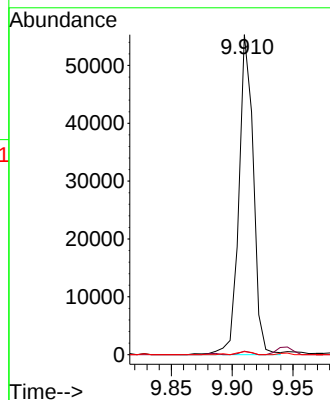
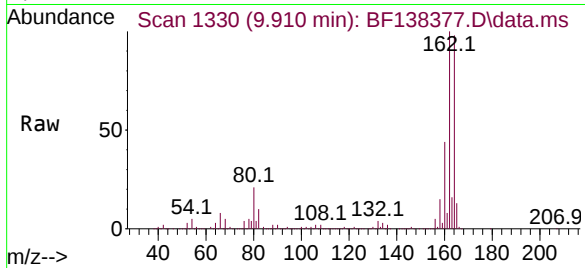




#51
2,6-Dinitrotoluene
Concen: 9.983 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.200 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

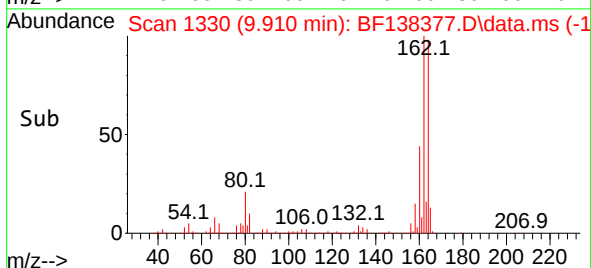
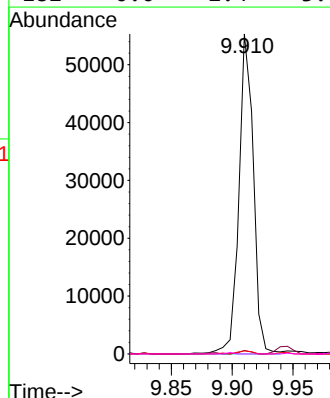
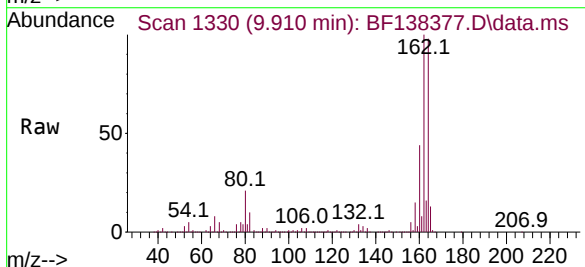
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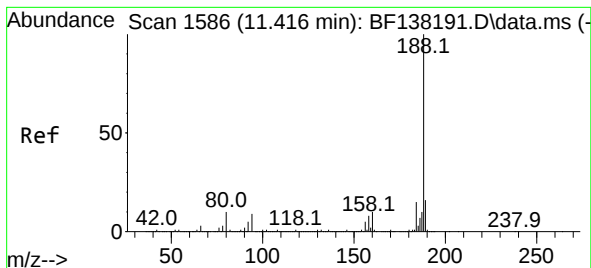
Tgt Ion:165 Resp: 45618
Ion Ratio Lower Upper
165 100
63 1.1 43.7 65.5#
89 1.0 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 8.094 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.206 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

Tgt Ion:165 Resp: 45618
Ion Ratio Lower Upper
165 100
63 1.1 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: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

BNA_F

ClientSampleId :

1-N-1

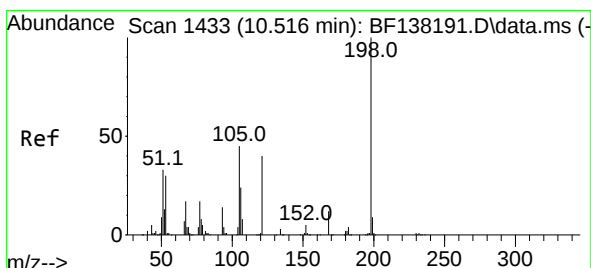
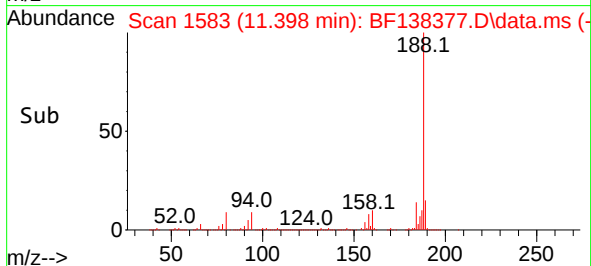
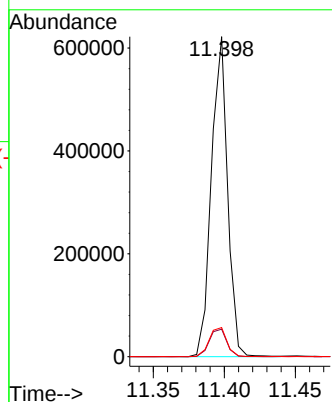
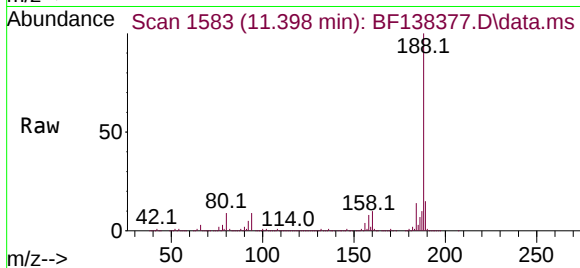
Tgt Ion:188 Resp: 492216

Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

80 9.1 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.061 ng

RT: 10.698 min Scan# 1464

Delta R.T. 0.182 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

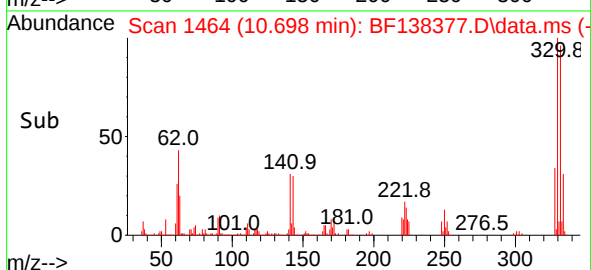
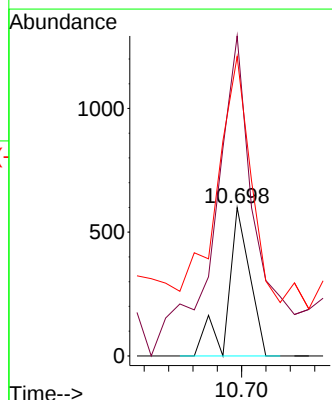
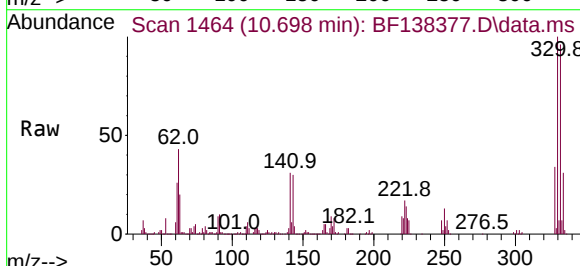
Tgt Ion:198 Resp: 373

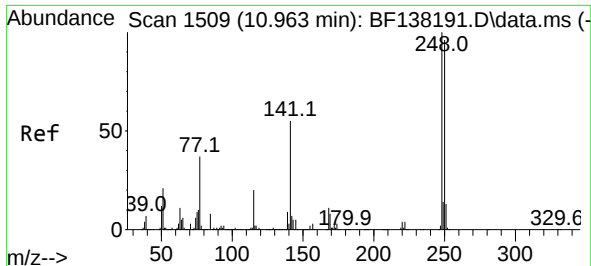
Ion Ratio Lower Upper

198 100

51 215.9 26.9 66.9#

105 202.0 26.0 66.0#

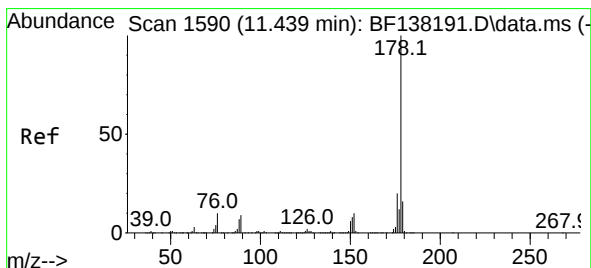
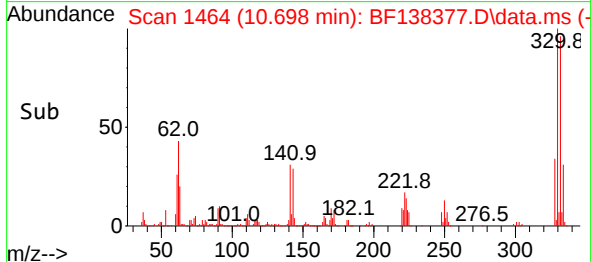
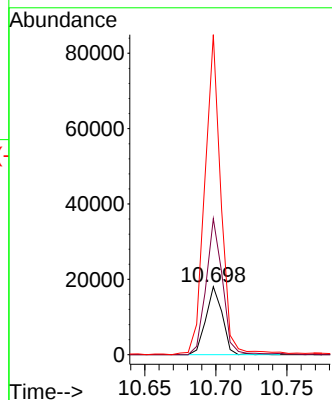
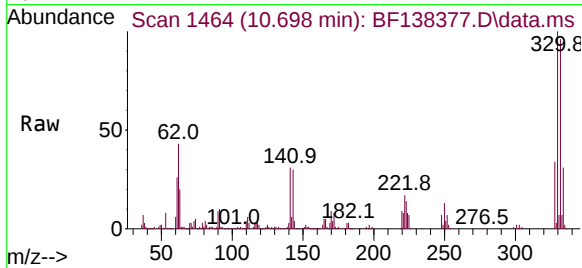




#67
4-Bromophenyl-phenylether
Concen: 2.626 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.265 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

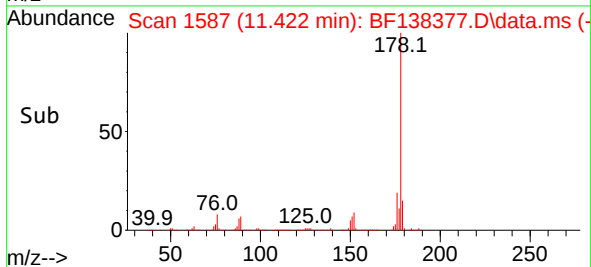
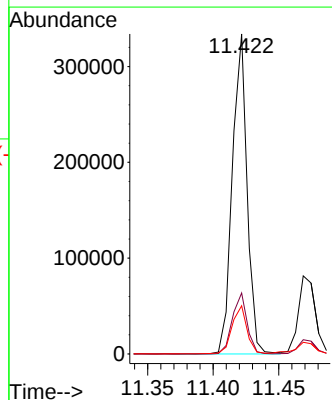
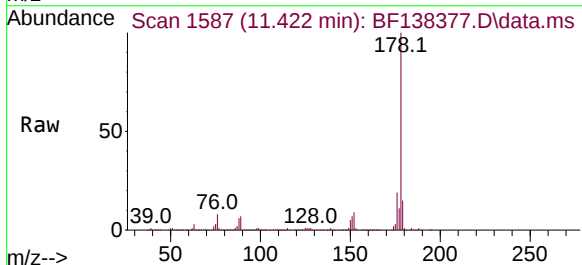
Instrument :
BNA_F
ClientSampleId :
1-N-1

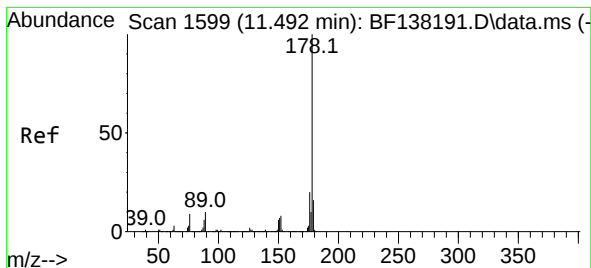
Tgt Ion:248 Resp: 14566
Ion Ratio Lower Upper
248 100
250 200.0 77.2 115.8#
141 470.7 44.1 66.1#



#71
Phenanthrene
Concen: 10.748 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

Tgt Ion:178 Resp: 261627
Ion Ratio Lower Upper
178 100
176 19.1 16.4 24.6
179 15.0 13.1 19.7





#72

Anthracene

Concen: 2.900 ng

RT: 11.469 min Scan# 1

Delta R.T. -0.024 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

BNA_F

ClientSampleId :

1-N-1

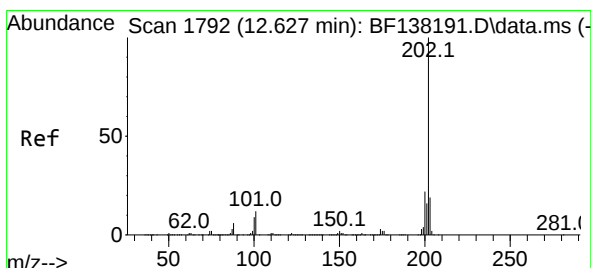
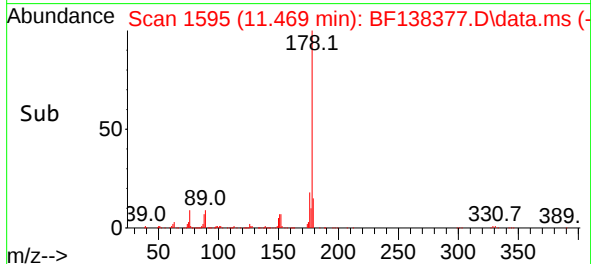
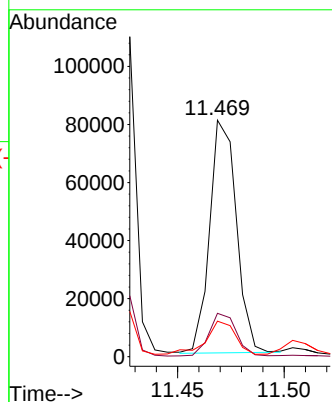
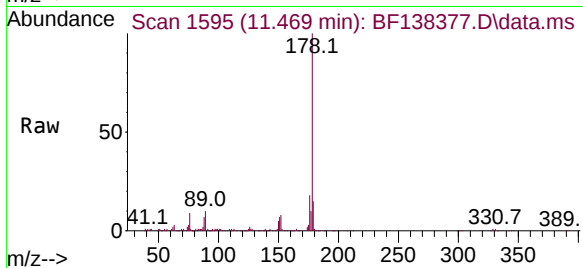
Tgt Ion:178 Resp: 70095

Ion Ratio Lower Upper

178 100

176 18.3 15.7 23.5

179 15.0 13.0 19.6



#75

Fluoranthene

Concen: 19.253 ng

RT: 12.610 min Scan# 1789

Delta R.T. -0.018 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

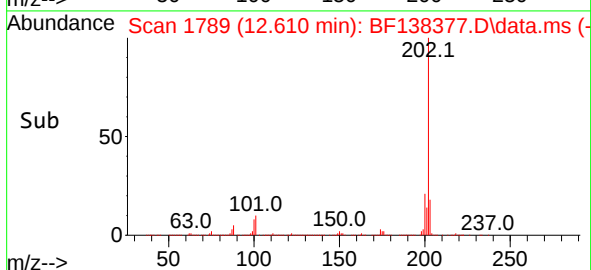
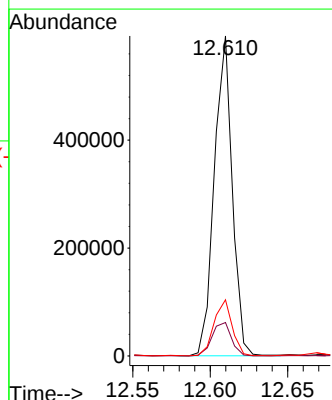
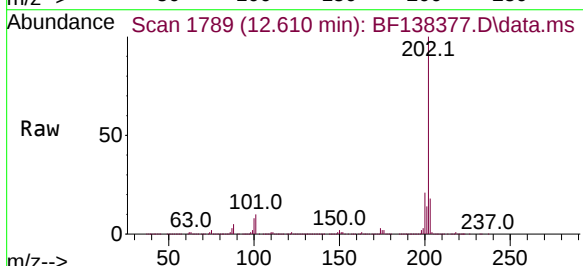
Tgt Ion:202 Resp: 477889

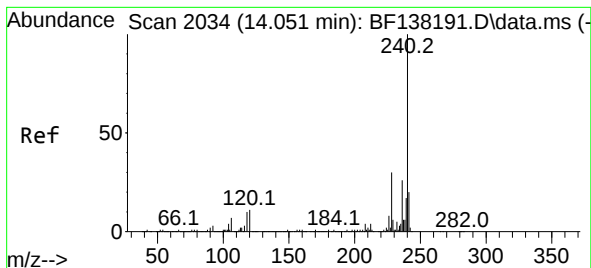
Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.8

203 17.6 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2034

Delta R.T. -0.018 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

BNA_F

ClientSampleId :

1-N-1

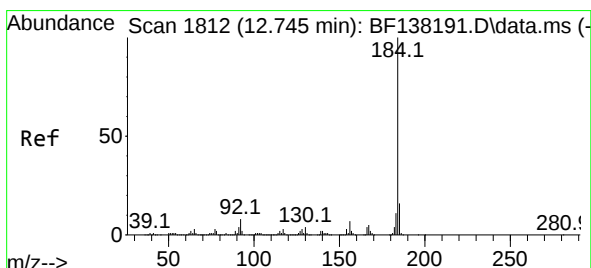
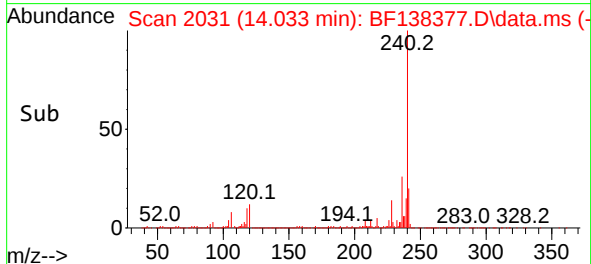
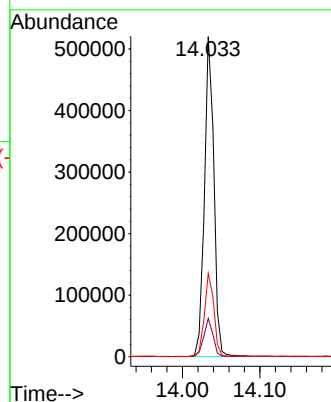
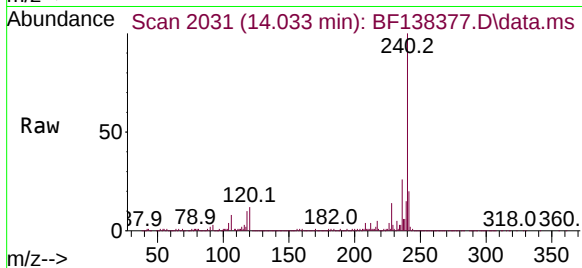
Tgt Ion:240 Resp: 439501

Ion Ratio Lower Upper

240 100

120 12.0 9.2 13.8

236 26.1 21.0 31.6



#77

Benidine

Concen: 2.714 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.235 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

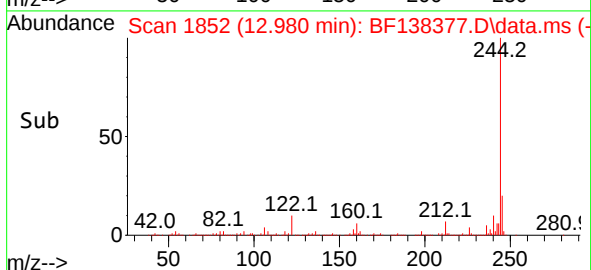
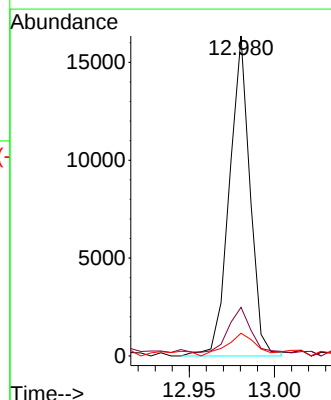
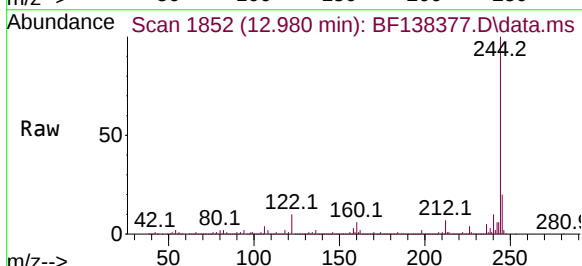
Tgt Ion:184 Resp: 13798

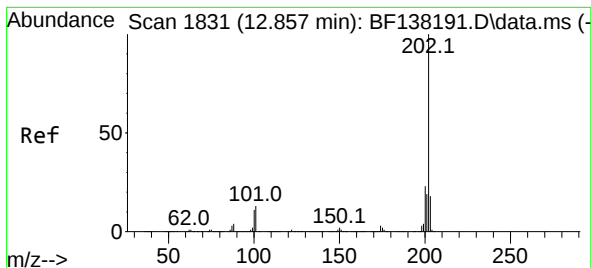
Ion Ratio Lower Upper

184 100

185 15.2 12.6 19.0

183 7.1 9.0 13.6#





#78

Pyrene

Concen: 11.134 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.018 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

BNA_F

ClientSampleId :

1-N-1

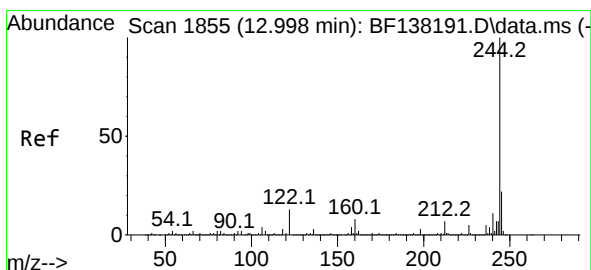
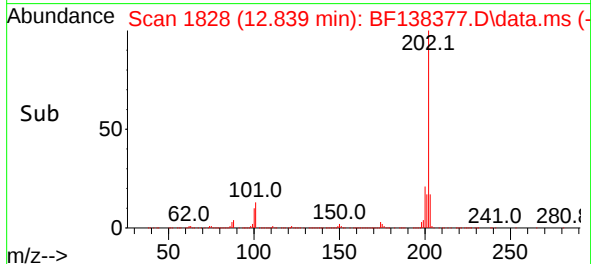
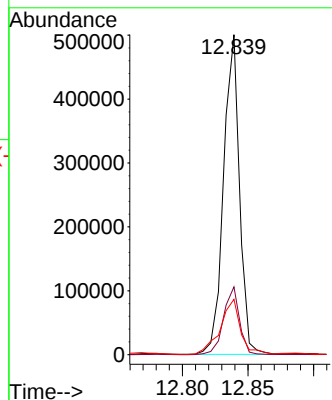
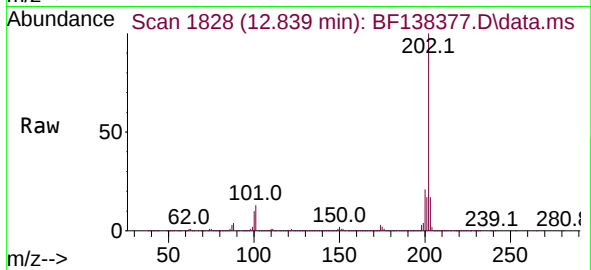
Tgt Ion:202 Resp: 422079

Ion Ratio Lower Upper

202 100

200 21.2 18.0 27.0

203 17.3 14.7 22.1



#79

Terphenyl-d14

Concen: 39.013 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.018 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

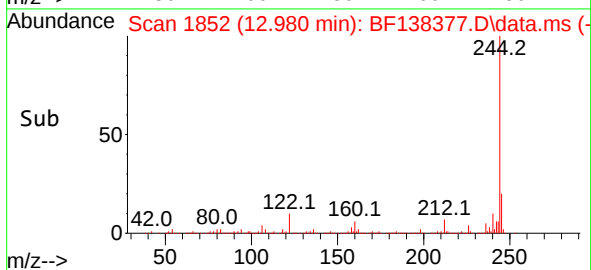
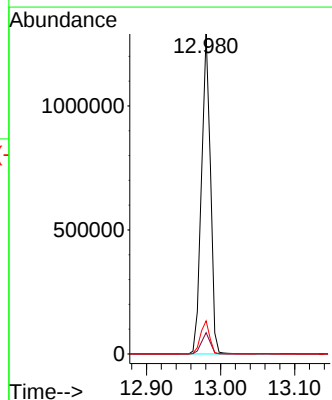
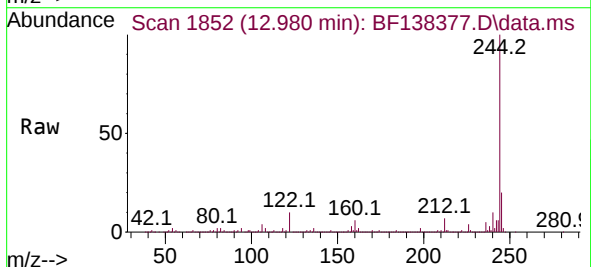
Tgt Ion:244 Resp: 1082590

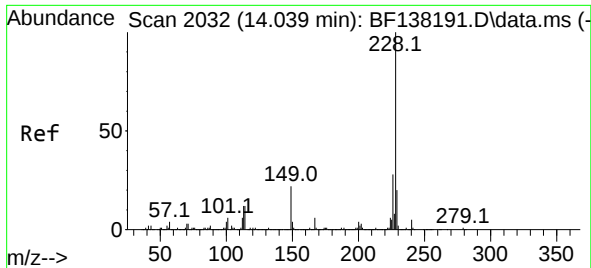
Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

122 10.4 10.6 15.8#

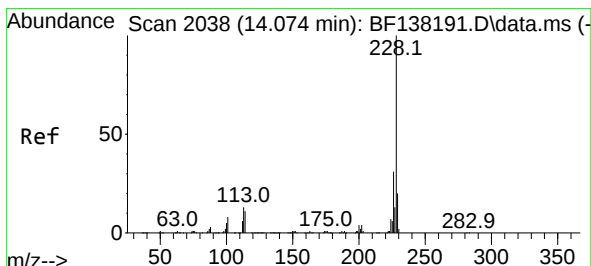
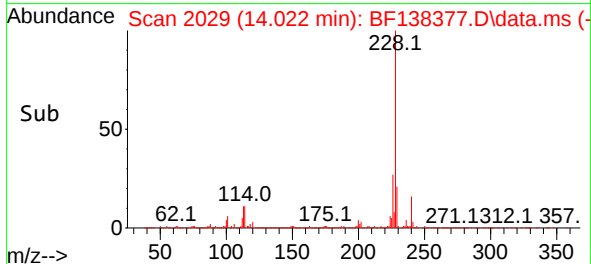
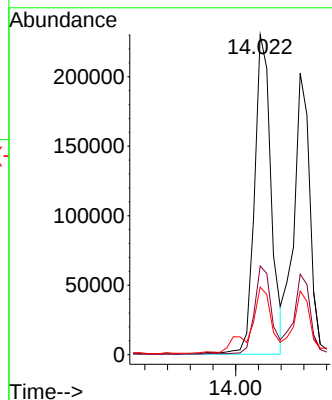
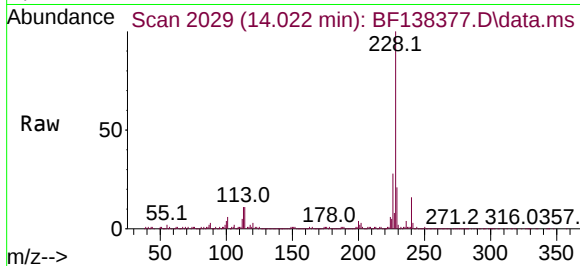




#81
Benzo(a)anthracene
Concen: 8.302 ng
RT: 14.022 min Scan# 2032
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

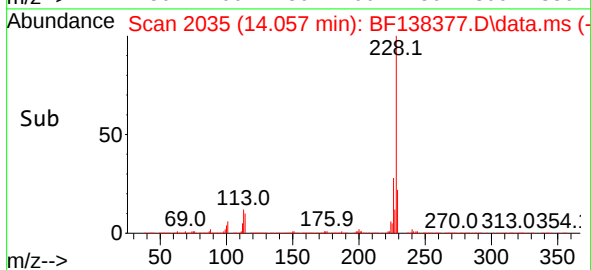
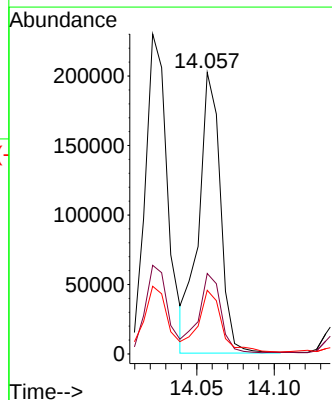
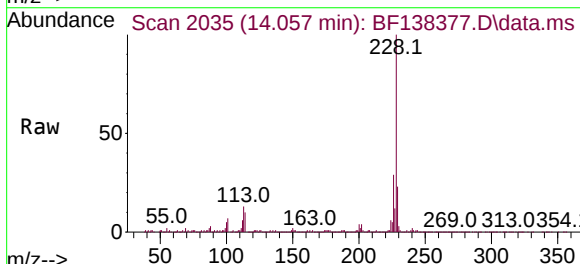
Instrument :
BNA_F
ClientSampleId :
1-N-1

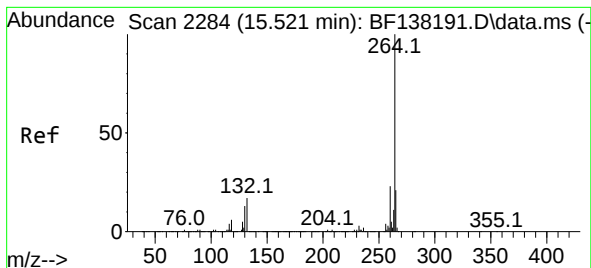
Tgt Ion:228 Resp: 234088
Ion Ratio Lower Upper
228 100
226 27.7 22.5 33.7
229 21.2 16.3 24.5



#83
Chrysene
Concen: 7.360 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

Tgt Ion:228 Resp: 197806
Ion Ratio Lower Upper
228 100
226 28.6 24.5 36.7
229 22.6 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

BNA_F

ClientSampleId :

1-N-1

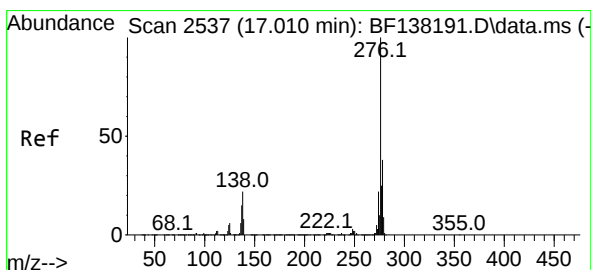
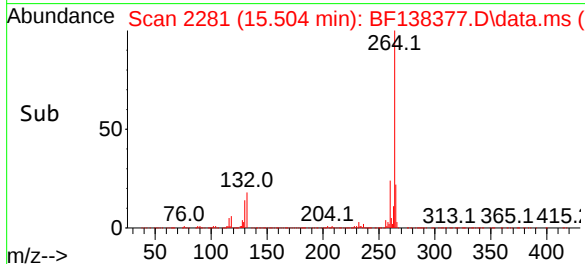
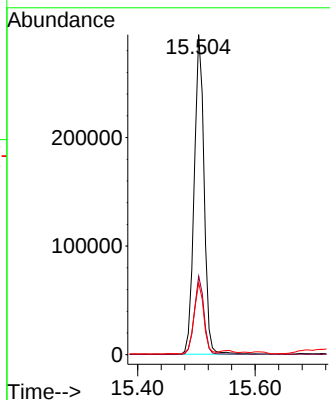
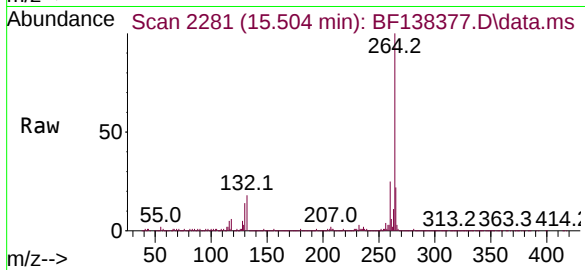
Tgt Ion:264 Resp: 342765

Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 22.5 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.199 ng

RT: 16.968 min Scan# 2530

Delta R.T. -0.041 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

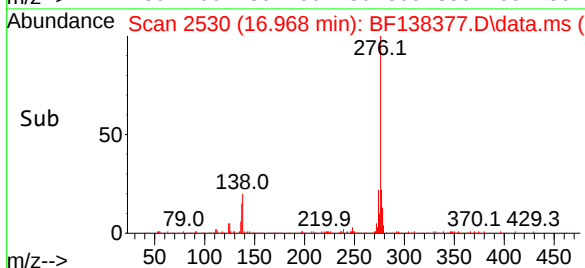
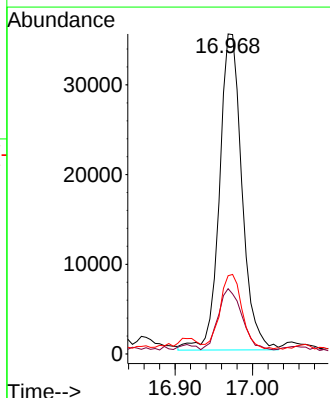
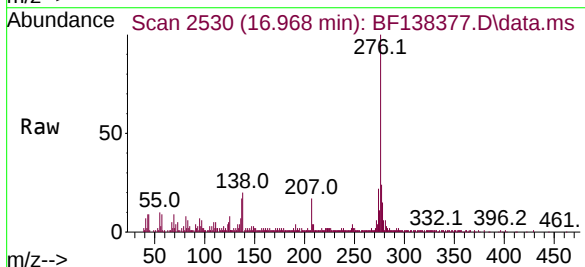
Tgt Ion:276 Resp: 71471

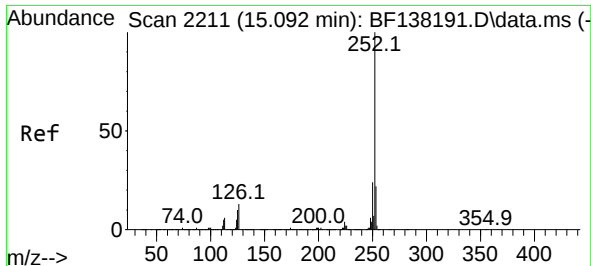
Ion Ratio Lower Upper

276 100

138 20.2 19.3 28.9

277 23.4 20.2 30.2

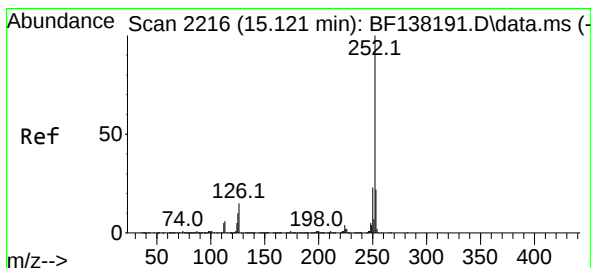
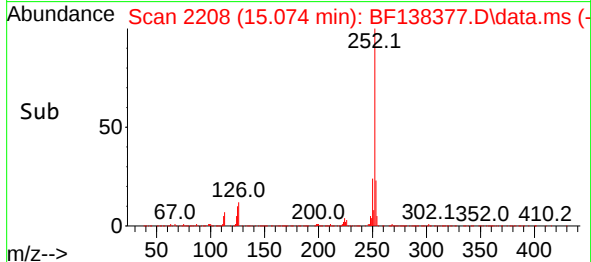
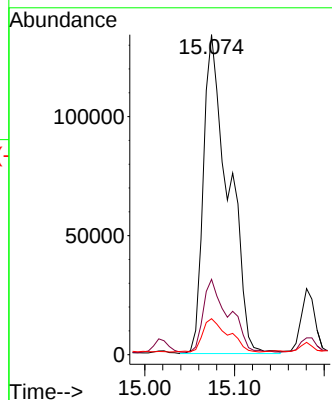
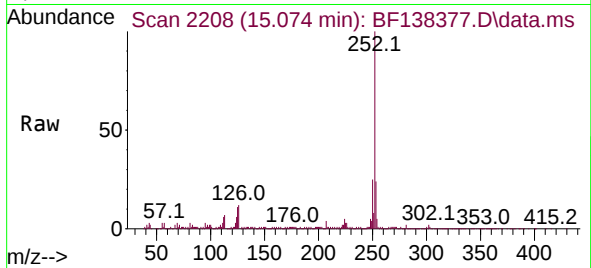




#88
Benzo(b)fluoranthene
Concen: 12.908 ng
RT: 15.074 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

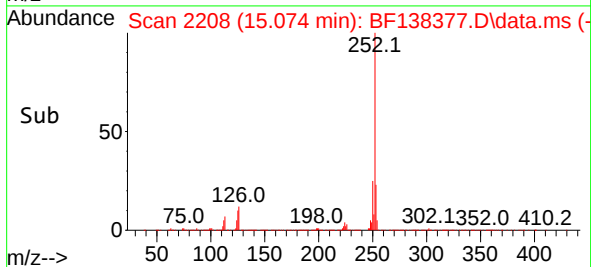
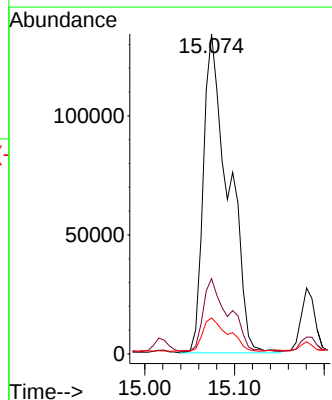
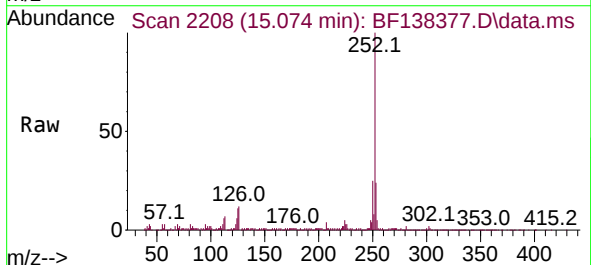
Instrument :
BNA_F
ClientSampleId :
1-N-1

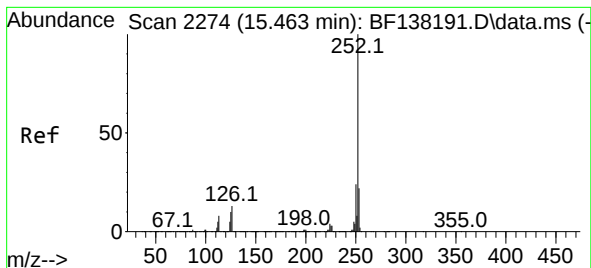
Tgt Ion:252 Resp: 260905
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.2 7.8 11.8



#89
Benzo(k)fluoranthene
Concen: 13.171 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.047 min
Lab File: BF138377.D
Acq: 27 Jun 2024 20:39

Tgt Ion:252 Resp: 260905
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.2 8.0 12.0





#90

Benzo(a)pyrene

Concen: 7.341 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Instrument :

BNA_F

ClientSampleId :

1-N-1

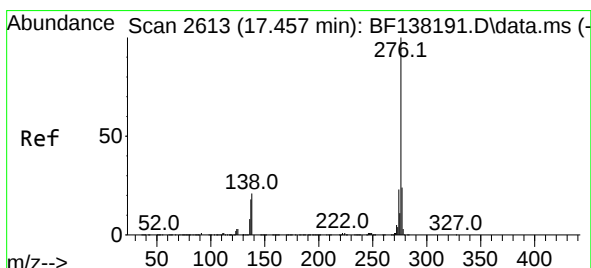
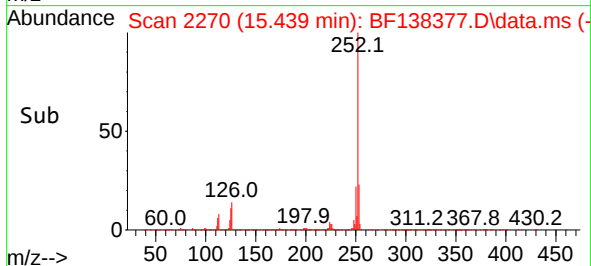
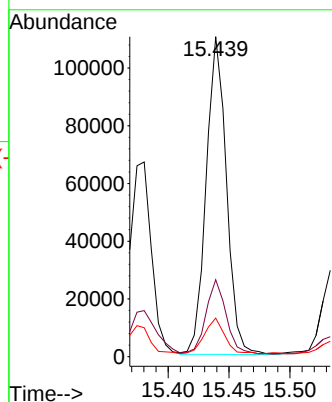
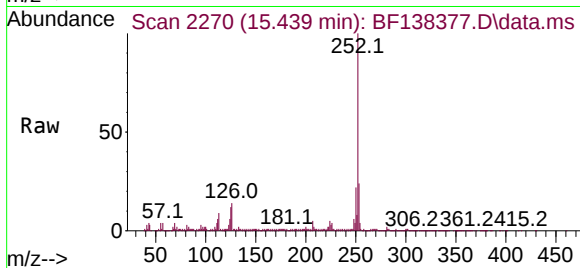
Tgt Ion:252 Resp: 127475

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 12.1 8.2 12.2



#92

Benzo(g,h,i)perylene

Concen: 3.329 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.041 min

Lab File: BF138377.D

Acq: 27 Jun 2024 20:39

Tgt Ion:276 Resp: 63155

Ion Ratio Lower Upper

276 100

277 24.5 19.5 29.3

138 22.7 16.6 24.8

