

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138381.D
 Acq On : 27 Jun 2024 22:38
 Operator : CG\JU
 Sample : P3076-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-B-1

Quant Time: Jun 28 01:15:25 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

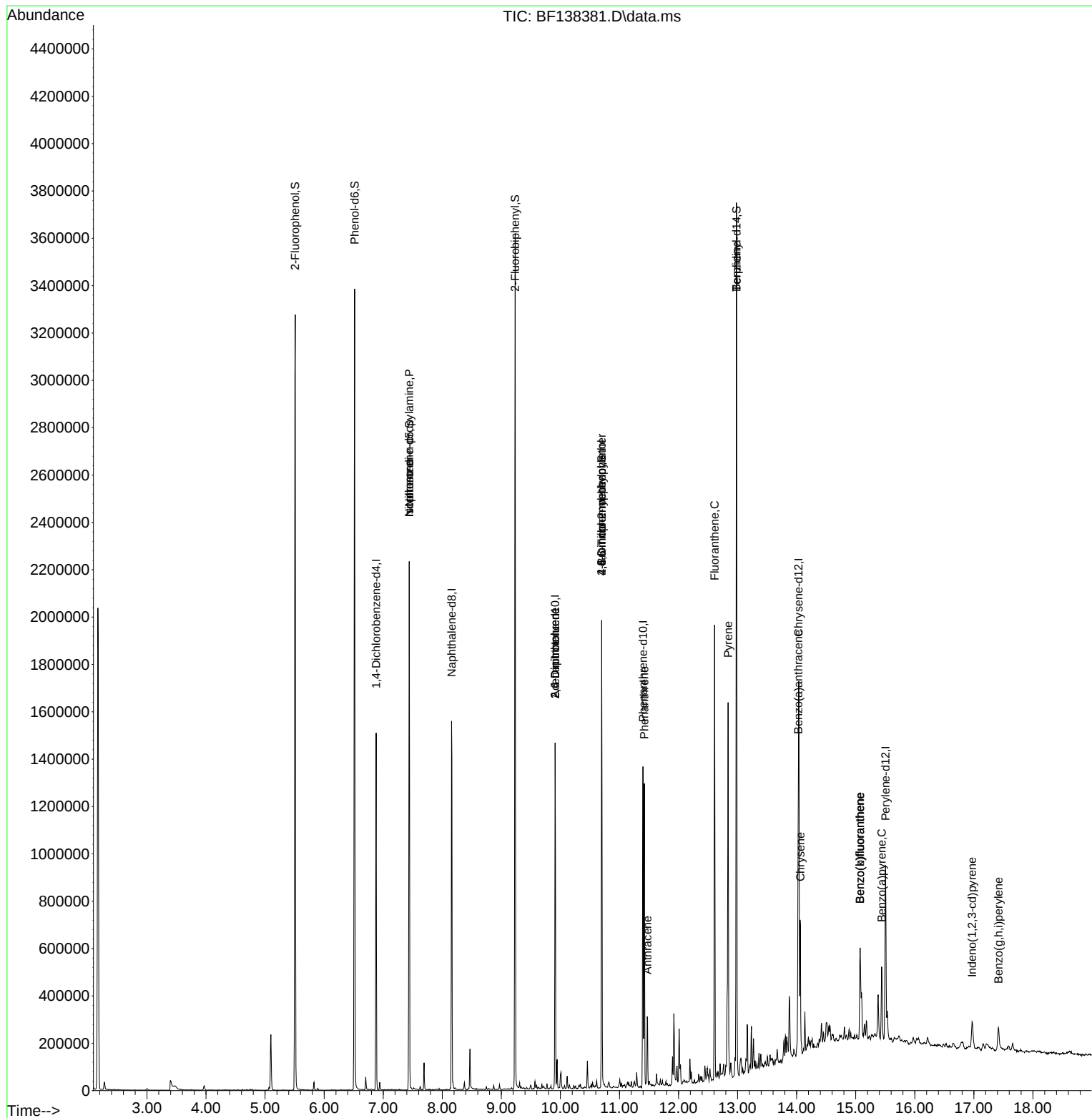
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	208045	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	687107	20.000	ng	-0.02
39) Acenaphthene-d10	9.910	164	281051	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	473552	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	434657	20.000	ng	-0.02
86) Perylene-d12	15.504	264	333169	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	960062	77.196	ng	0.00
7) Phenol-d6	6.516	99	1123618	71.249	ng	0.00
23) Nitrobenzene-d5	7.440	82	659160	55.849	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	227991	81.486	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	1018501	57.625	ng	-0.02
79) Terphenyl-d14	12.980	244	1233212	44.937	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	86764	9.282	ng	# 76
25) Isophorone	7.440	82	659146	30.875	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	36994	9.903	ng	# 25
57) 2,4-Dinitrotoluene	9.910	165	36994	8.029	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.698	198	457	7.096	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	14270	2.674	ng	# 1
71) Phenanthrene	11.422	178	419325	17.905	ng	97
72) Anthracene	11.475	178	119528	5.141	ng	96
75) Fluoranthene	12.610	202	696386	29.161	ng	98
77) Benzidine	12.980	184	14558	2.896	ng	# 95
78) Pyrene	12.839	202	603426	16.095	ng	98
81) Benzo(a)anthracene	14.027	228	272330	9.766	ng	99
83) Chrysene	14.063	228	232000	8.728	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	84708	3.900	ng	96
88) Benzo(b)fluoranthene	15.074	252	288260	14.672	ng	97
89) Benzo(k)fluoranthene	15.074	252	288260	14.971	ng	98
90) Benzo(a)pyrene	15.439	252	147462	8.736	ng	98
92) Benzo(g,h,i)perylene	17.415	276	80661	4.374	ng	98

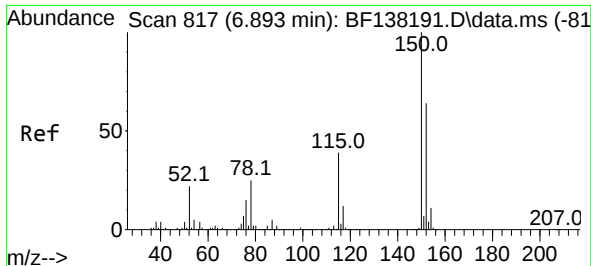
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
Data File : BF138381.D
Acq On : 27 Jun 2024 22:38
Operator : CG\JU
Sample : P3076-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
7-B-1

Quant Time: Jun 28 01:15:25 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

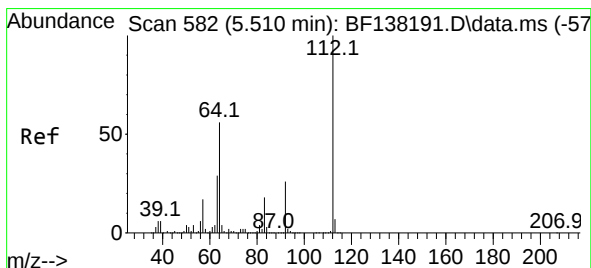
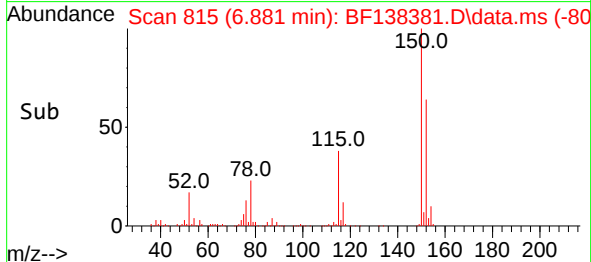
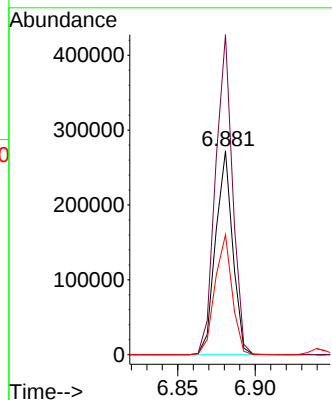
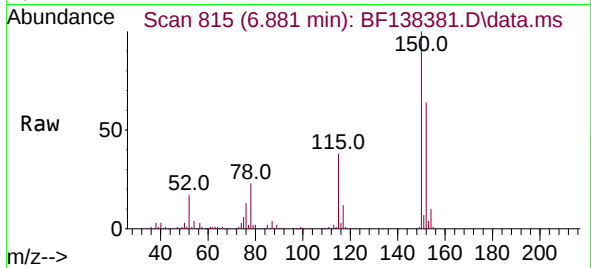




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

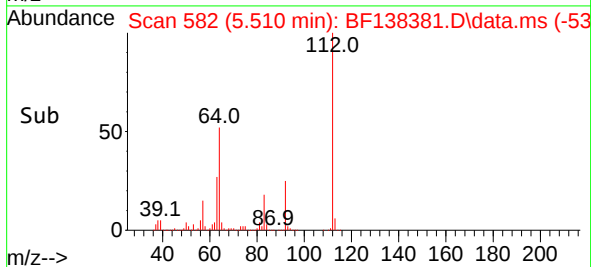
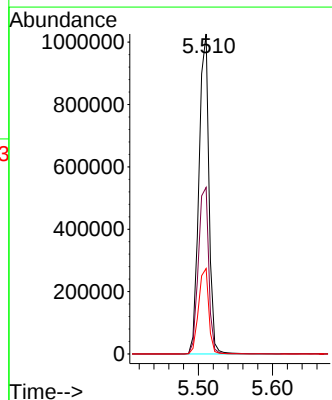
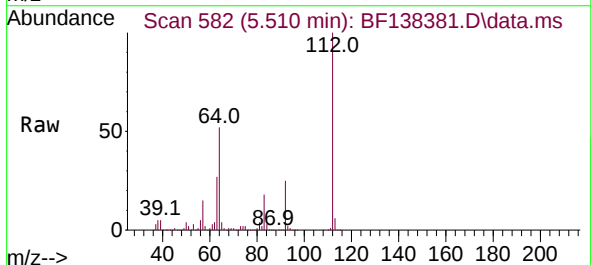
Instrument :
BNA_F
ClientSampleId :
7-B-1

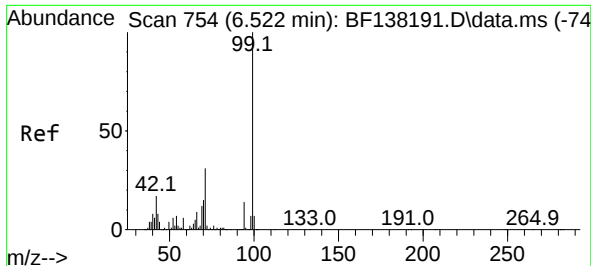
Tgt Ion:152 Resp: 208045
Ion Ratio Lower Upper
152 100
150 157.0 125.0 187.4
115 58.9 48.4 72.6



#5
2-Fluorophenol
Concen: 77.196 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Tgt Ion:112 Resp: 960062
Ion Ratio Lower Upper
112 100
64 52.1 45.2 67.8
63 26.7 22.9 34.3





#7

Phenol-d6

Concen: 71.249 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

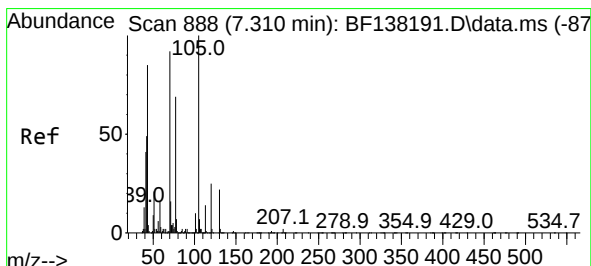
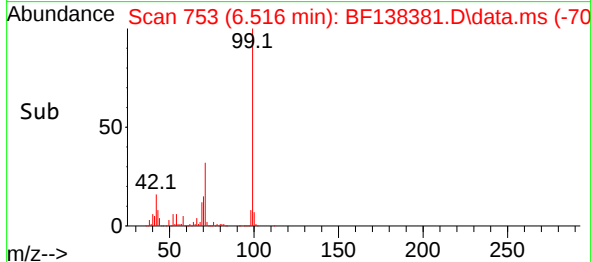
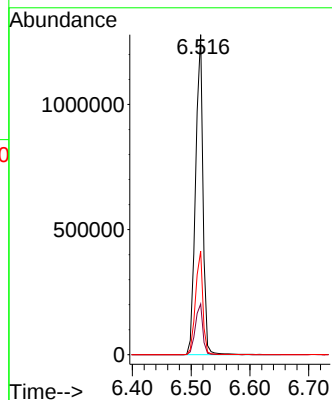
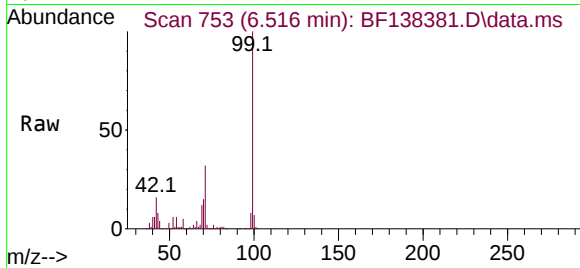
Tgt Ion: 99 Resp: 1123618

Ion Ratio Lower Upper

99 100

42 15.8 13.7 20.5

71 32.3 25.0 37.6



#19

n-Nitroso-di-n-propylamine

Concen: 9.282 ng

RT: 7.440 min Scan# 910

Delta R.T. 0.129 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Tgt Ion: 70 Resp: 86764

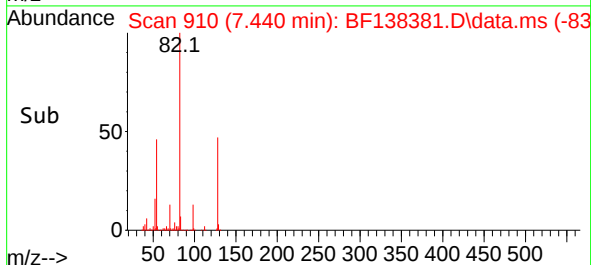
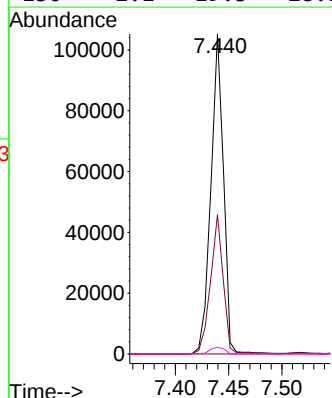
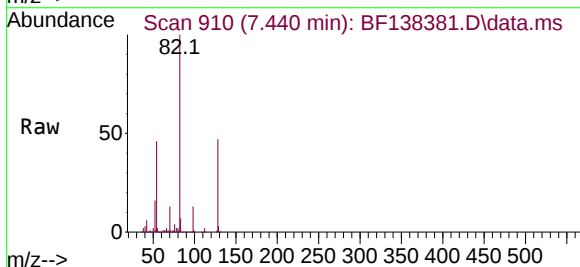
Ion Ratio Lower Upper

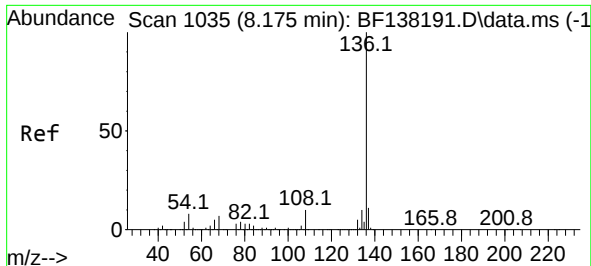
70 100

42 43.6 42.8 64.2

101 0.0 8.4 12.6#

130 2.1 19.3 28.9#

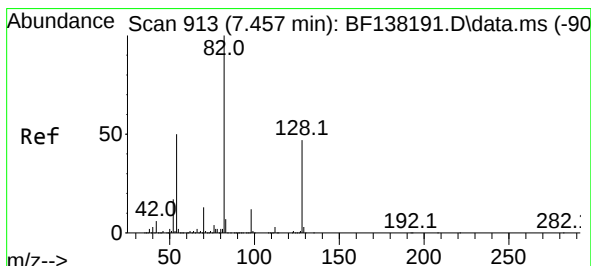
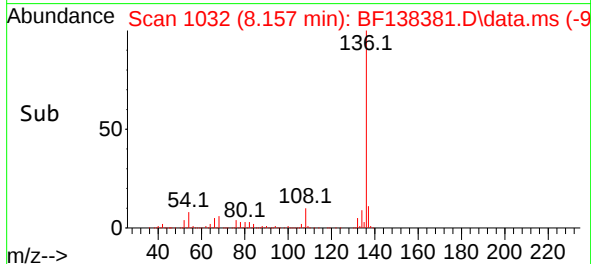
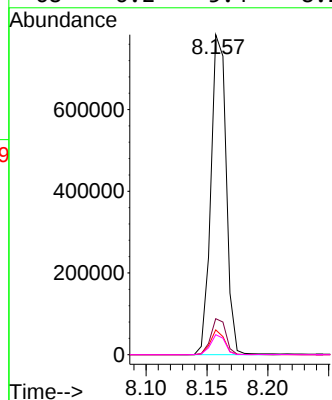
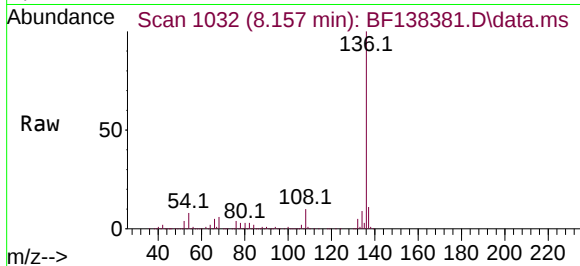




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

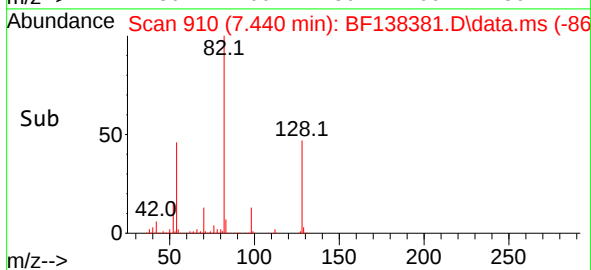
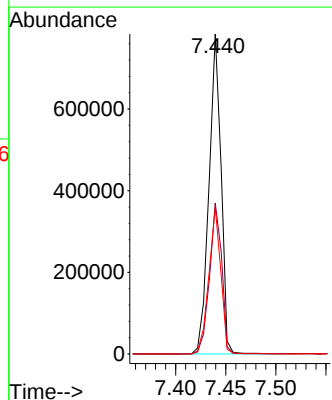
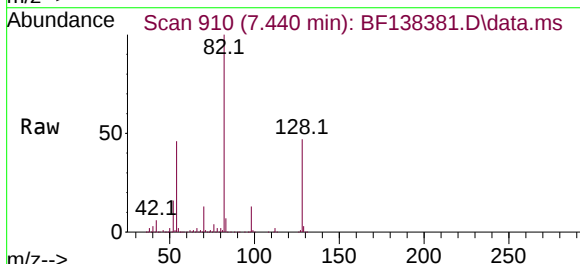
Instrument :
BNA_F
ClientSampleId :
7-B-1

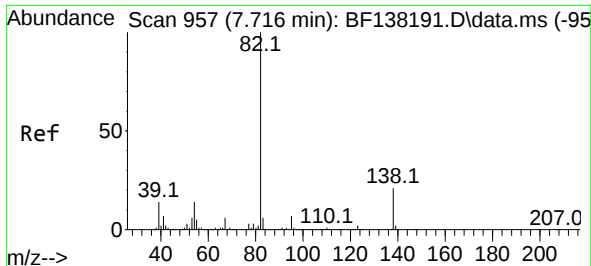
Tgt Ion:	136	Resp:	687107
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.8	6.6	10.0
68	6.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 55.849 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Tgt Ion:	82	Resp:	659160
Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.2	55.8
54	45.9	39.8	59.6

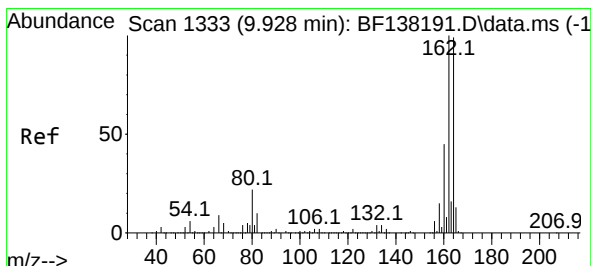
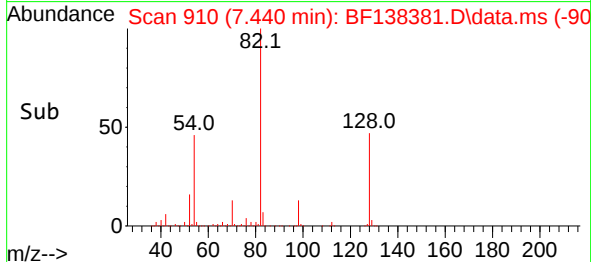
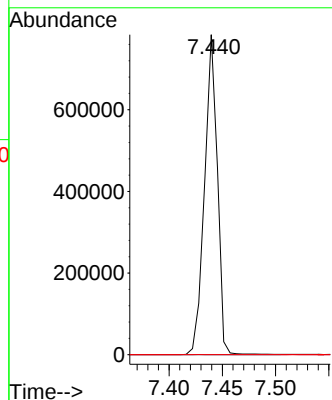
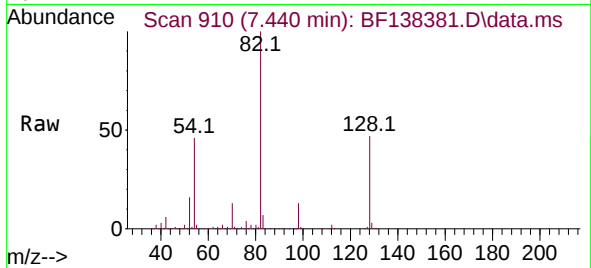




#25
Isophorone
Concen: 30.875 ng
RT: 7.440 min Scan# 91
Delta R.T. -0.276 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

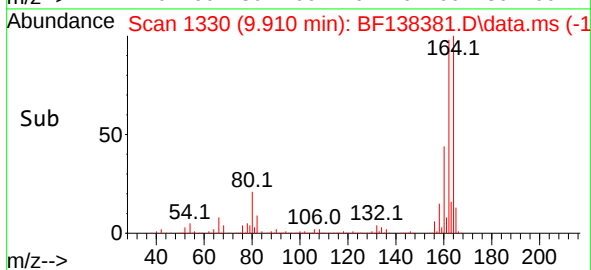
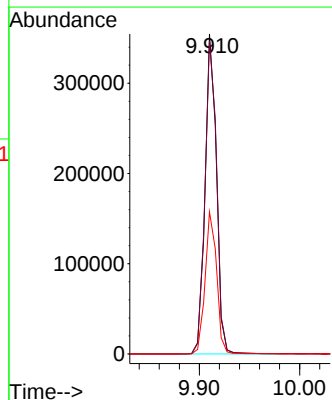
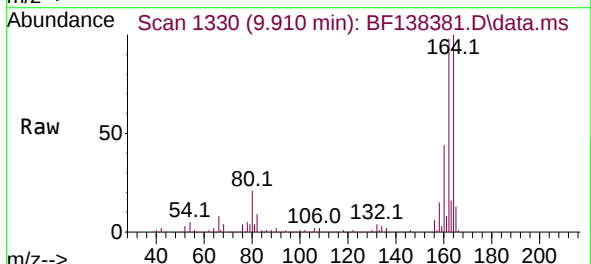
Instrument :
BNA_F
ClientSampleId :
7-B-1

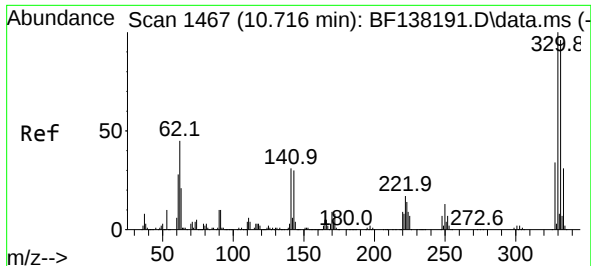
Tgt Ion: 82 Resp: 659146
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Tgt Ion: 164 Resp: 281051
Ion Ratio Lower Upper
164 100
162 97.8 80.6 121.0
160 44.4 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 81.486 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

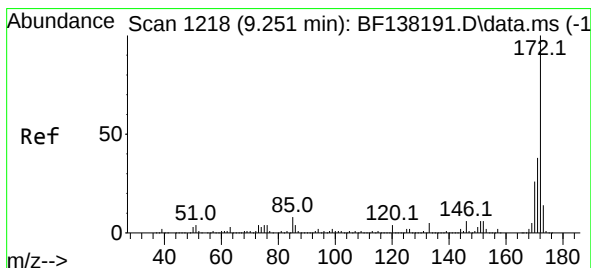
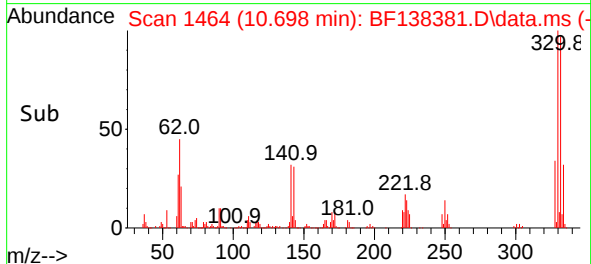
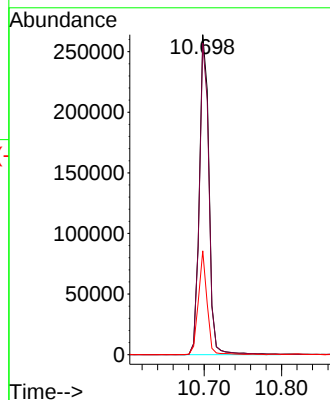
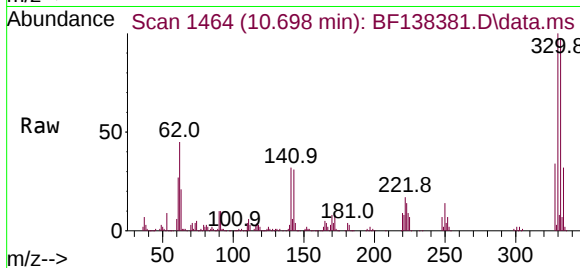
Tgt Ion:330 Resp: 227991

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

141 29.4 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 57.625 ng

RT: 9.234 min Scan# 1215

Delta R.T. -0.017 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

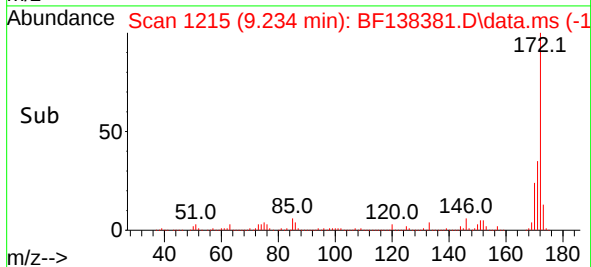
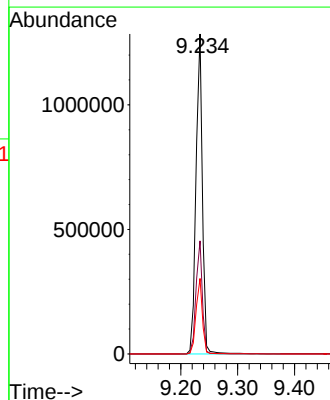
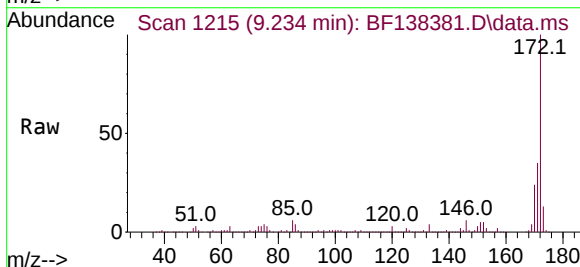
Tgt Ion:172 Resp: 1018501

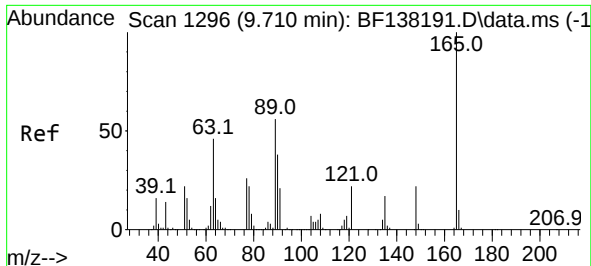
Ion Ratio Lower Upper

172 100

171 35.3 30.3 45.5

170 23.6 20.6 30.8

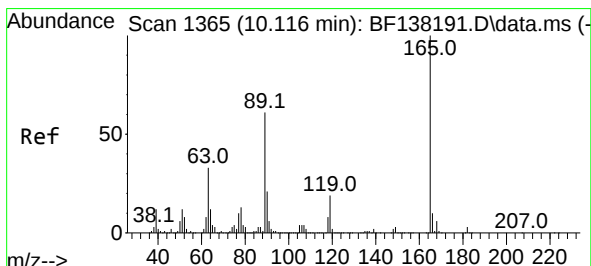
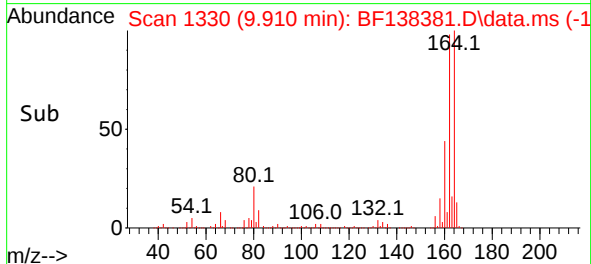
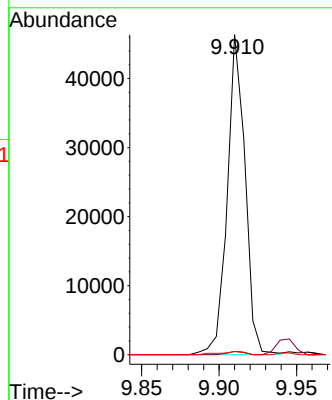
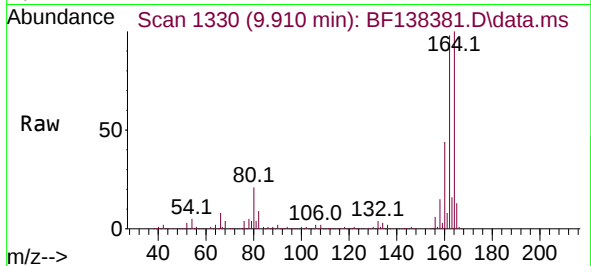




#51
2,6-Dinitrotoluene
Concen: 9.903 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.200 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

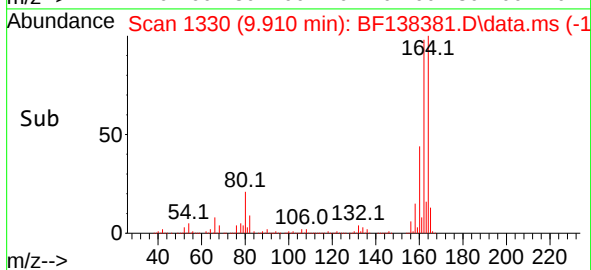
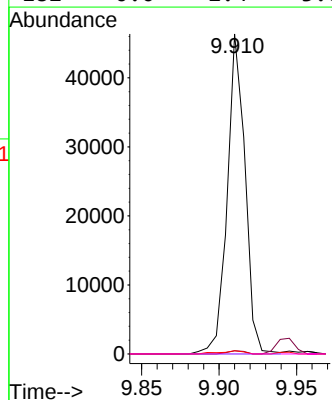
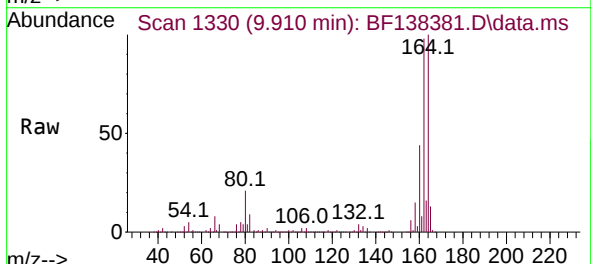
Instrument :
BNA_F
ClientSampleId :
7-B-1

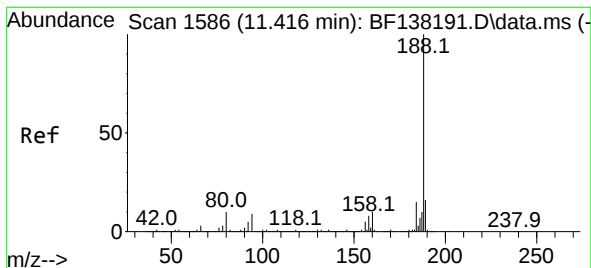
Tgt Ion:165 Resp: 36994
Ion Ratio Lower Upper
165 100
63 1.0 43.7 65.5#
89 1.0 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 8.029 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.206 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Tgt Ion:165 Resp: 36994
Ion Ratio Lower Upper
165 100
63 1.0 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: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

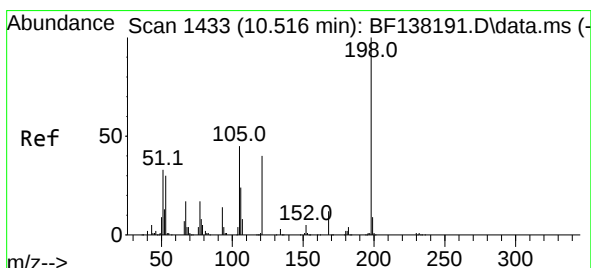
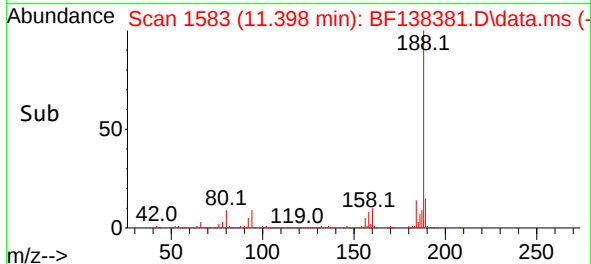
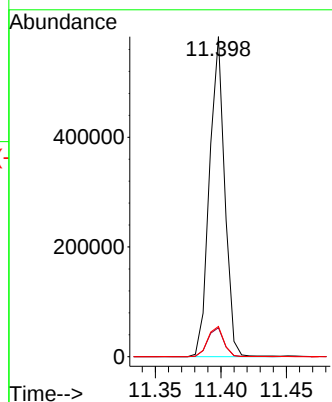
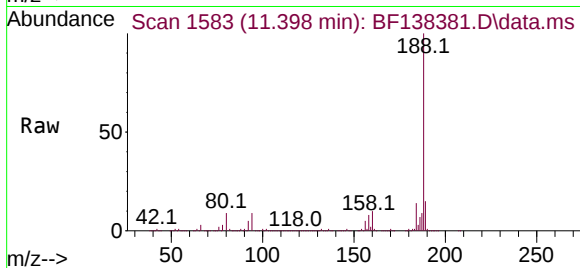
Tgt Ion:188 Resp: 473552

Ion Ratio Lower Upper

188 100

94 9.1 7.6 11.4

80 9.5 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.096 ng

RT: 10.698 min Scan# 1464

Delta R.T. 0.182 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

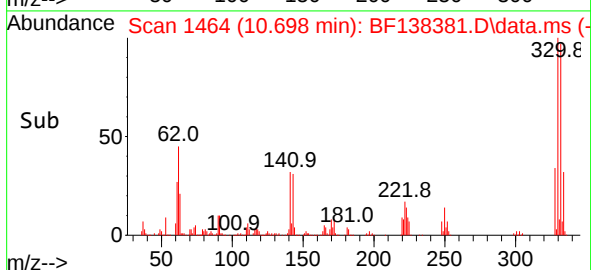
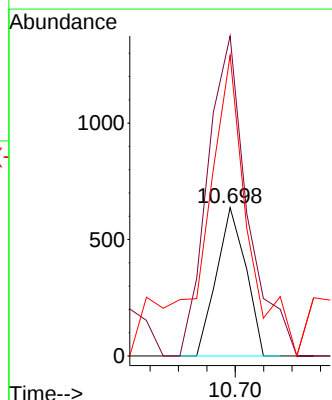
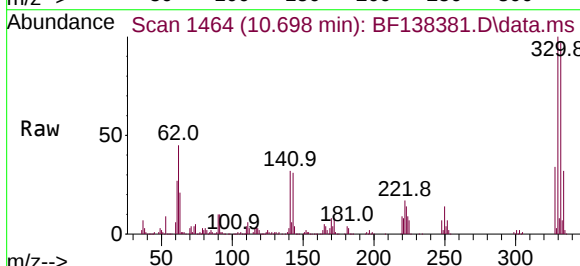
Tgt Ion:198 Resp: 457

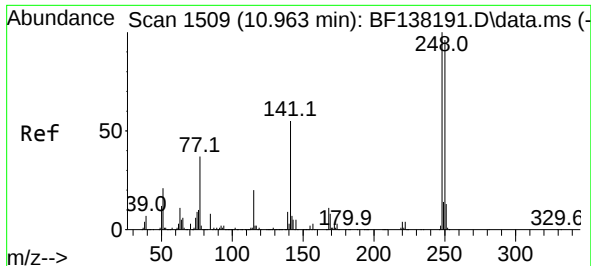
Ion Ratio Lower Upper

198 100

51 215.7 26.9 66.9#

105 202.7 26.0 66.0#

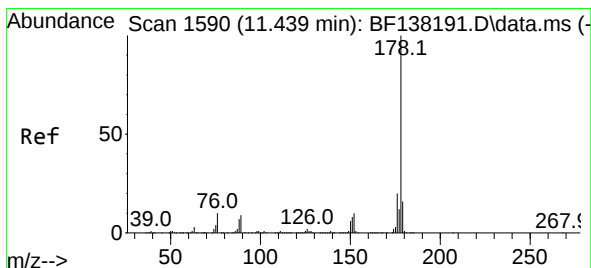
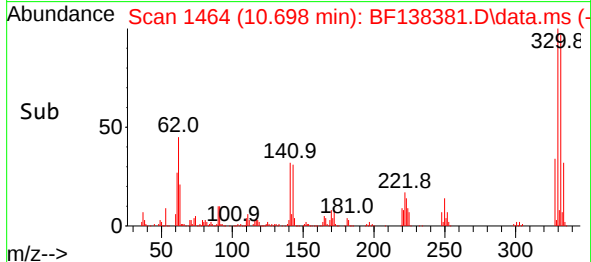
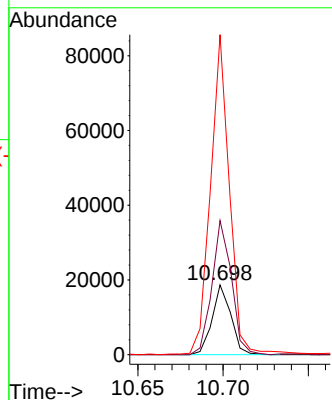
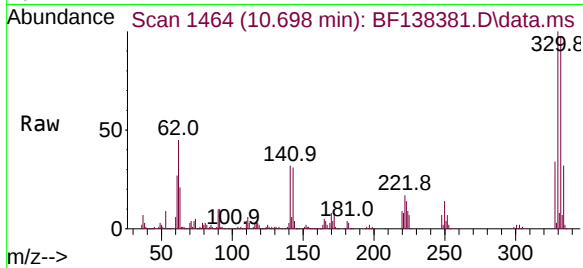




#67
4-Bromophenyl-phenylether
Concen: 2.674 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.265 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

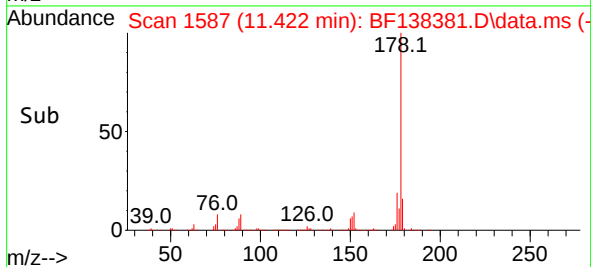
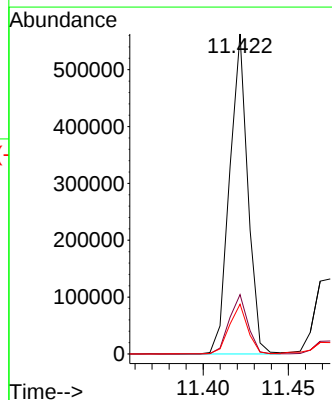
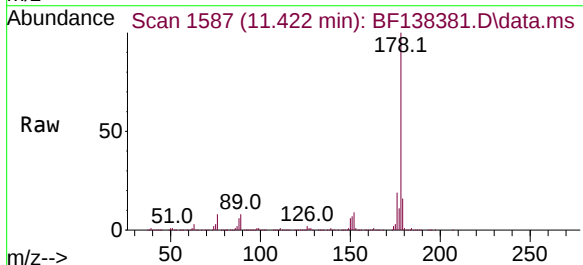
Instrument :
BNA_F
ClientSampleId :
7-B-1

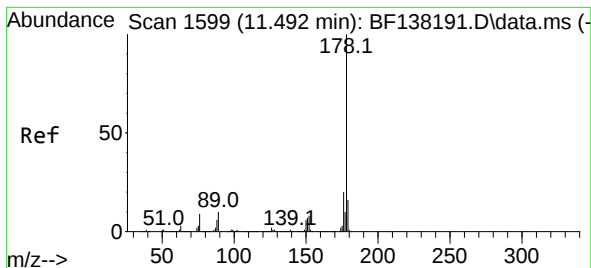
Tgt Ion:248 Resp: 14270
Ion Ratio Lower Upper
248 100
250 192.1 77.2 115.8#
141 458.5 44.1 66.1#



#71
Phenanthrene
Concen: 17.905 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.018 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Tgt Ion:178 Resp: 419325
Ion Ratio Lower Upper
178 100
176 18.6 16.4 24.6
179 15.5 13.1 19.7





#72

Anthracene

Concen: 5.141 ng

RT: 11.475 min Scan# 119528

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

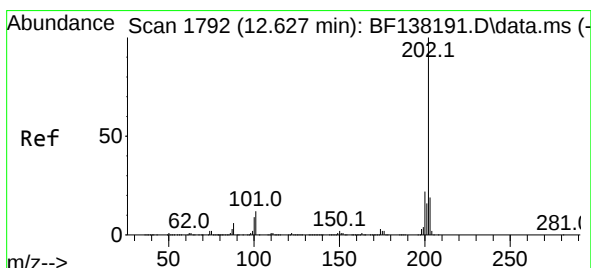
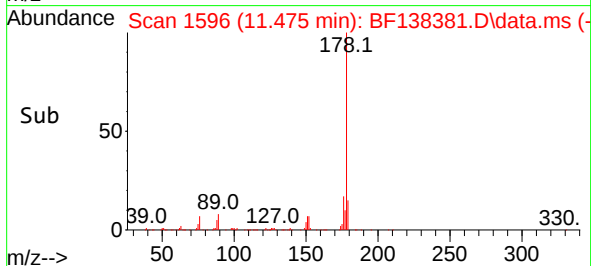
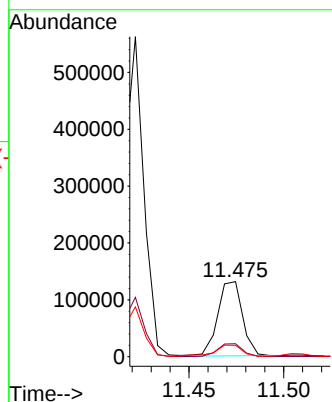
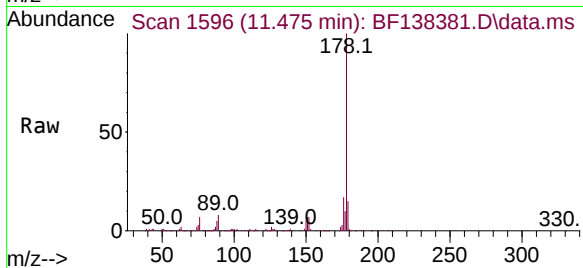
Tgt Ion:178 Resp: 119528

Ion Ratio Lower Upper

178 100

176 17.3 15.7 23.5

179 15.2 13.0 19.6



#75

Fluoranthene

Concen: 29.161 ng

RT: 12.610 min Scan# 1789

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

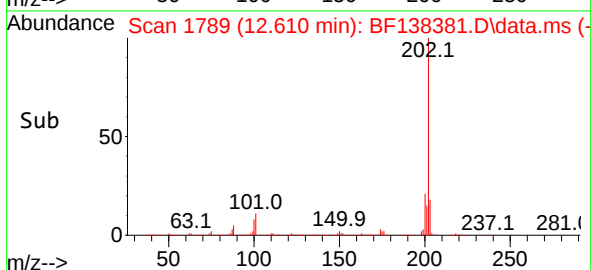
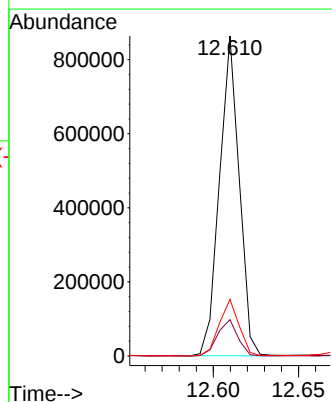
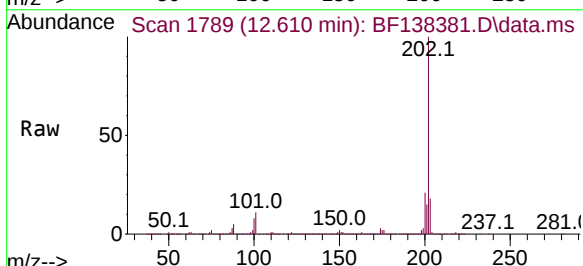
Tgt Ion:202 Resp: 696386

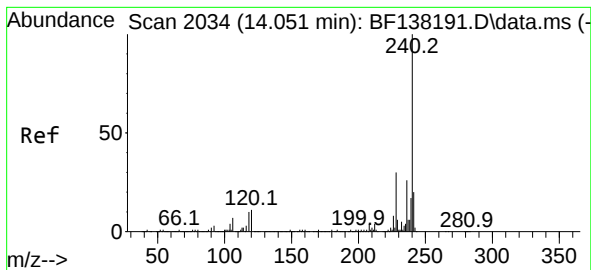
Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.8

203 17.7 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: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

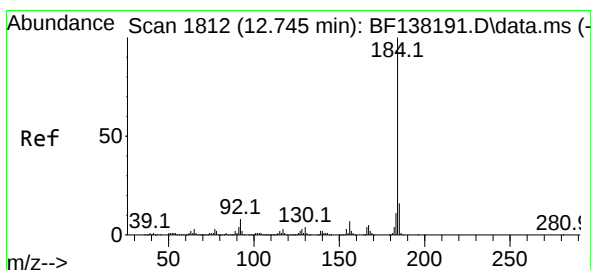
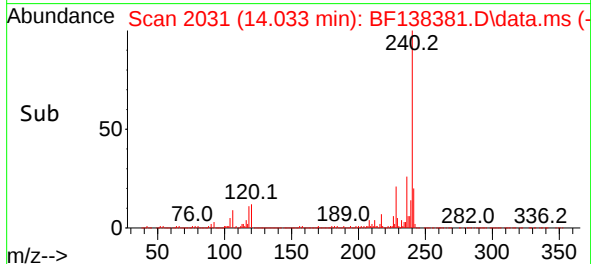
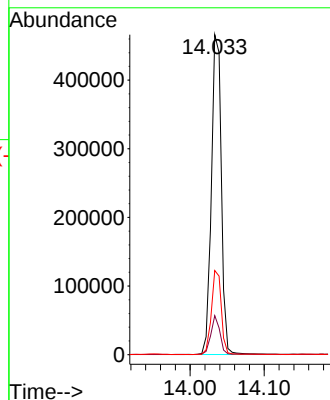
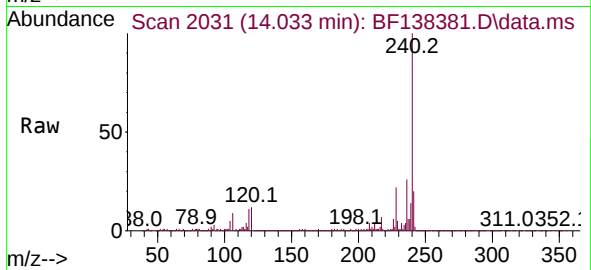
Tgt Ion:240 Resp: 434657

Ion Ratio Lower Upper

240 100

120 12.2 9.2 13.8

236 26.3 21.0 31.6



#77

Benzidine

Concen: 2.896 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.235 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

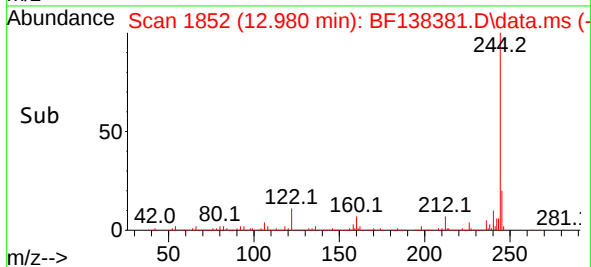
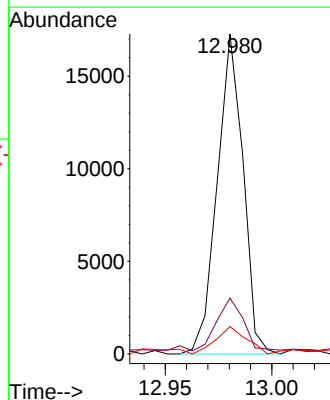
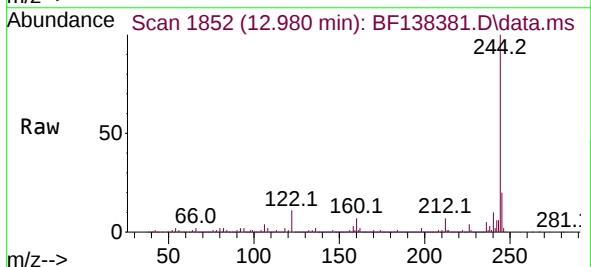
Tgt Ion:184 Resp: 14558

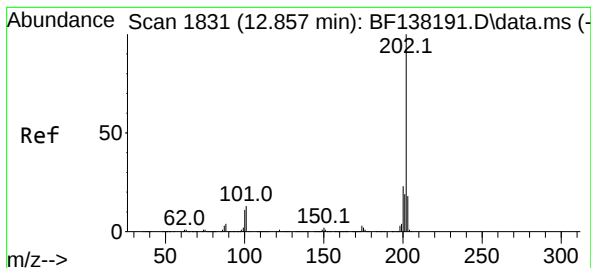
Ion Ratio Lower Upper

184 100

185 17.4 12.6 19.0

183 8.6 9.0 13.6#





#78

Pyrene

Concen: 16.095 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

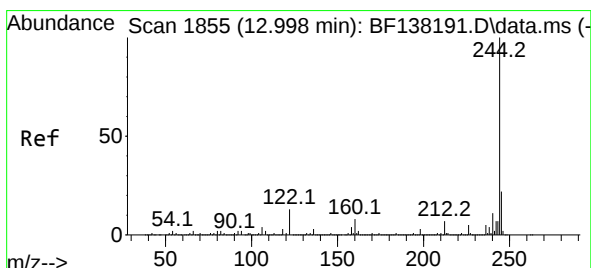
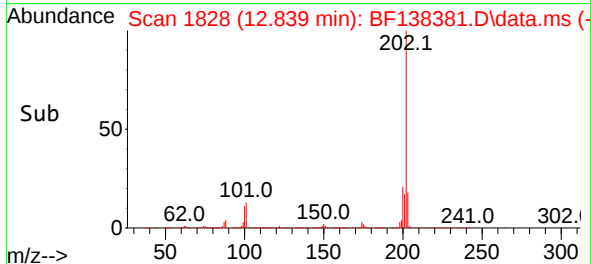
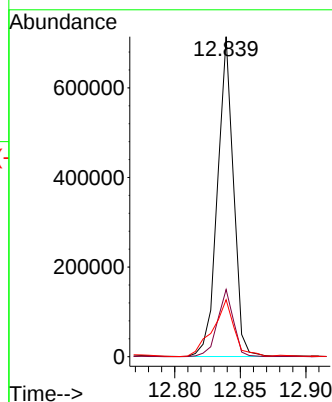
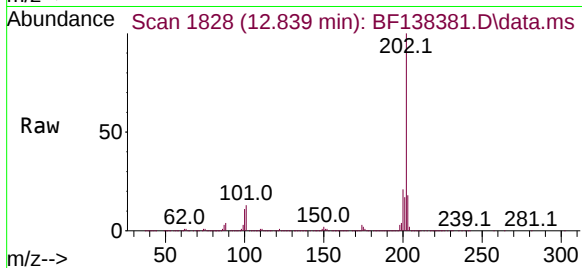
Tgt Ion:202 Resp: 603426

Ion Ratio Lower Upper

202 100

200 21.0 18.0 27.0

203 17.8 14.7 22.1



#79

Terphenyl-d14

Concen: 44.937 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.018 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

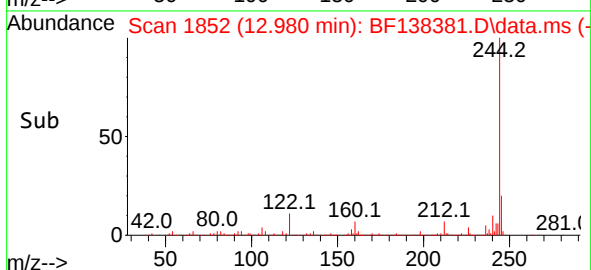
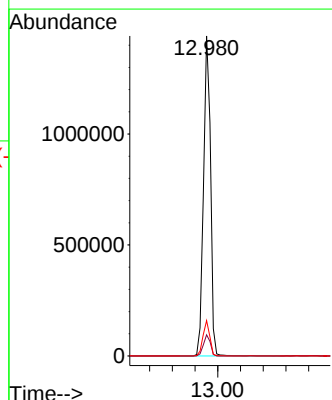
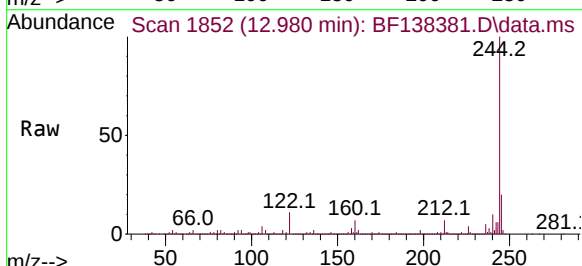
Tgt Ion:244 Resp: 1233212

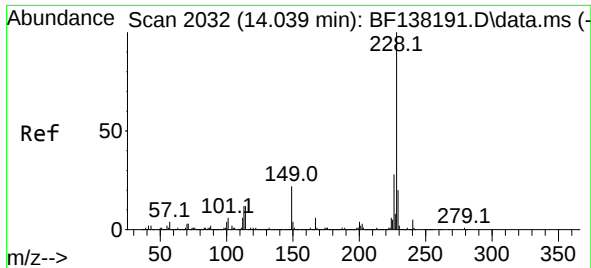
Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

122 11.1 10.6 15.8

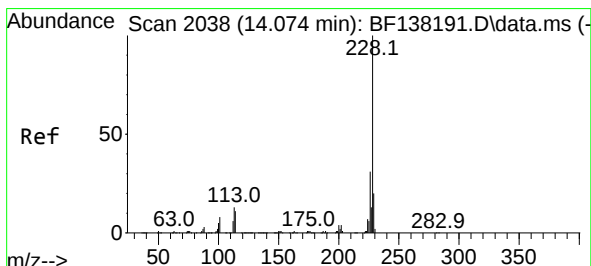
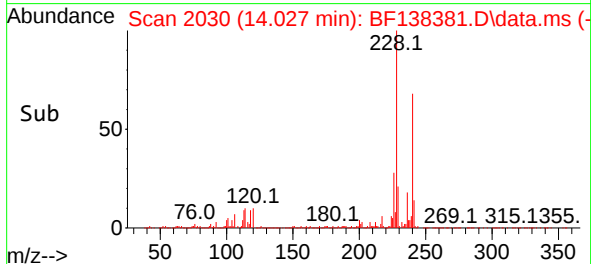
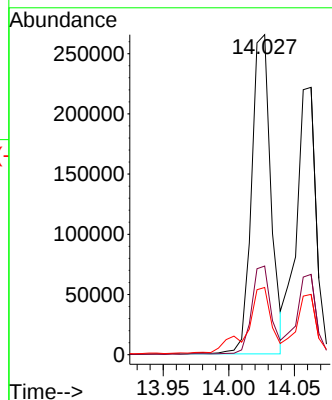
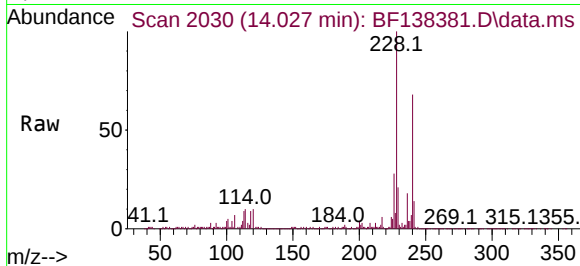




#81
Benzo(a)anthracene
Concen: 9.766 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

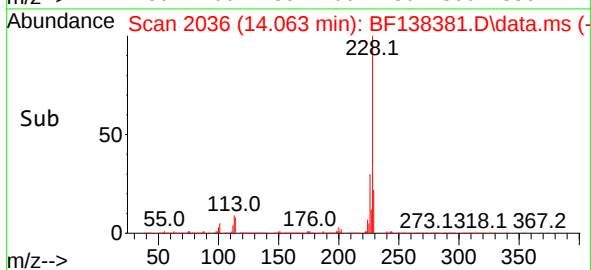
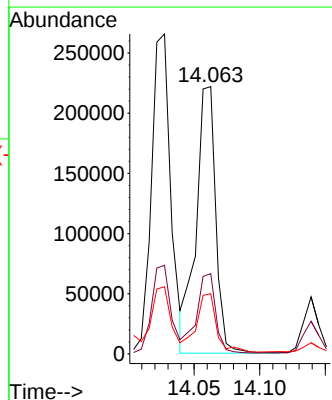
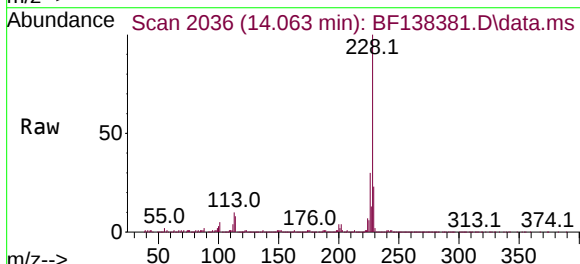
Instrument :
BNA_F
ClientSampleId :
7-B-1

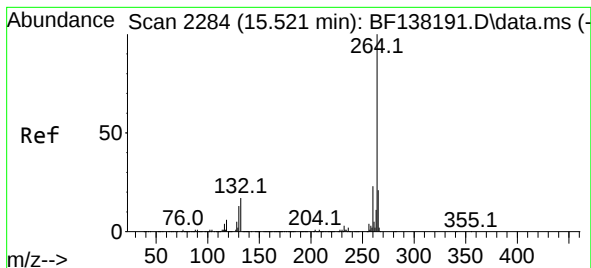
Tgt Ion:228 Resp: 272330
Ion Ratio Lower Upper
228 100
226 27.7 22.5 33.7
229 21.0 16.3 24.5



#83
Chrysene
Concen: 8.728 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Tgt Ion:228 Resp: 232000
Ion Ratio Lower Upper
228 100
226 30.0 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: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

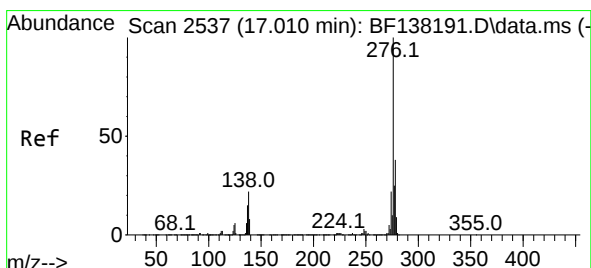
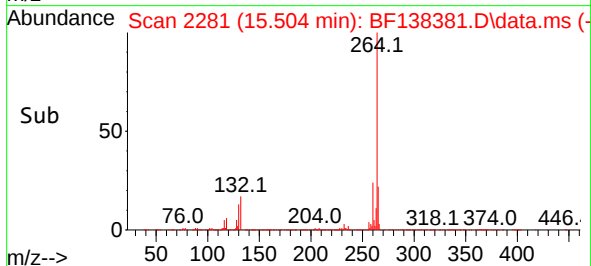
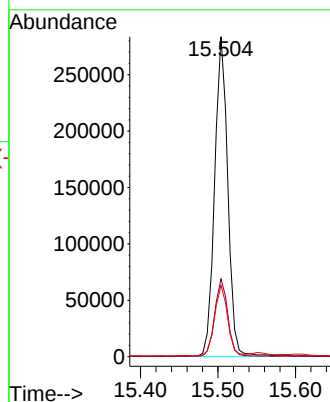
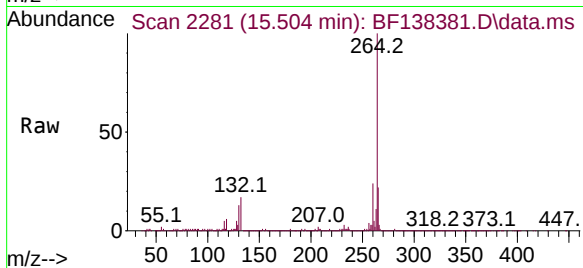
Tgt Ion:264 Resp: 333169

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 22.2 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.900 ng

RT: 16.968 min Scan# 2530

Delta R.T. -0.041 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

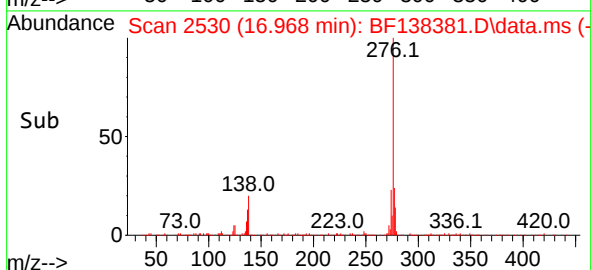
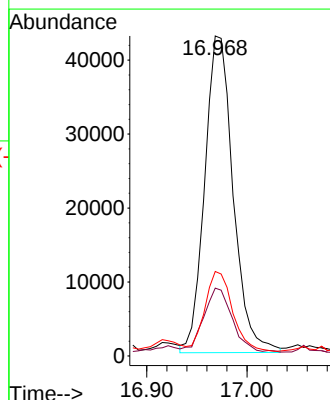
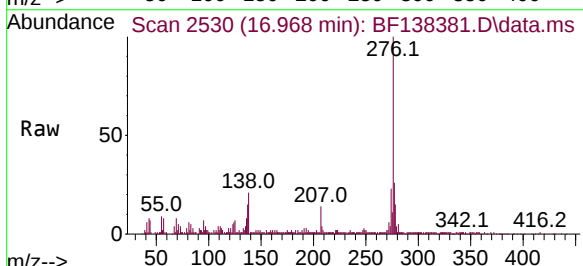
Tgt Ion:276 Resp: 84708

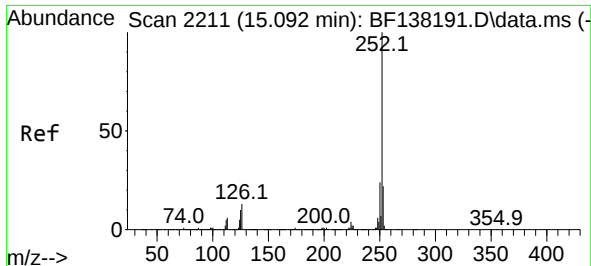
Ion Ratio Lower Upper

276 100

138 20.6 19.3 28.9

277 24.3 20.2 30.2

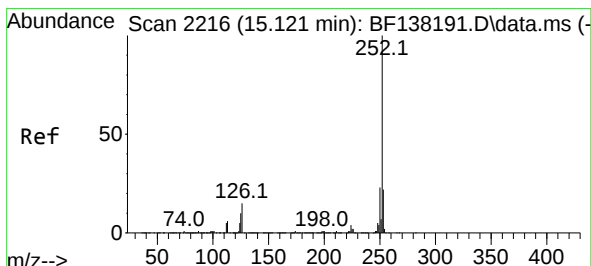
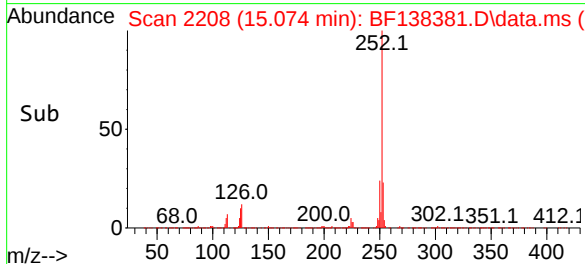
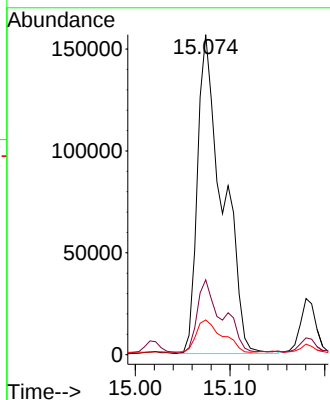
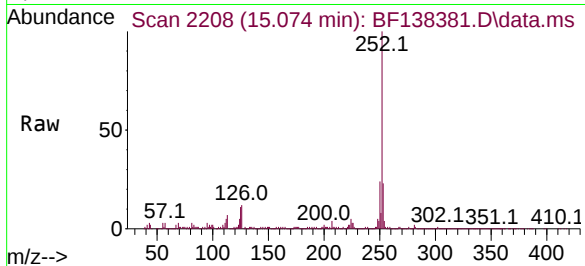




#88
Benzo(b)fluoranthene
Concen: 14.672 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

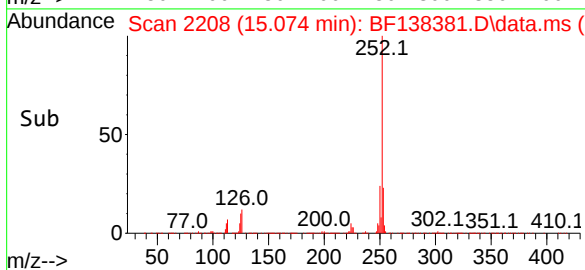
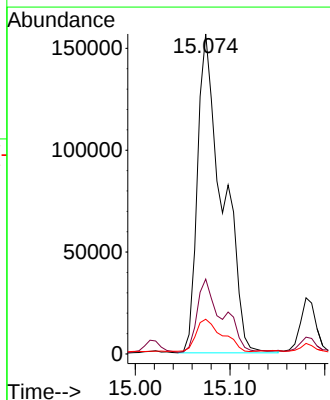
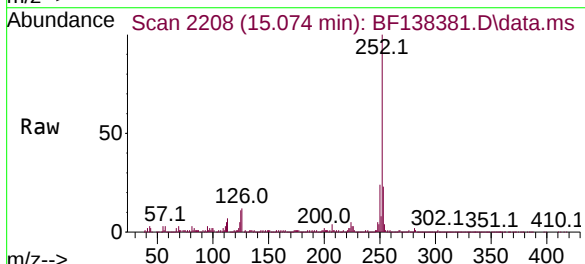
Instrument :
BNA_F
ClientSampleId :
7-B-1

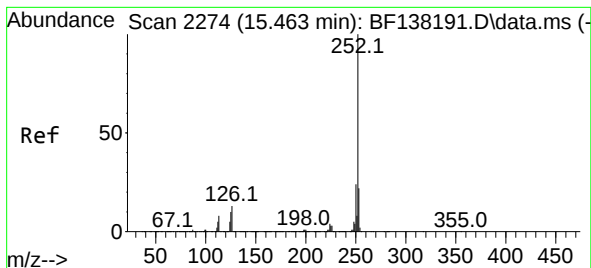
Tgt Ion:252 Resp: 288260
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 10.8 7.8 11.8



#89
Benzo(k)fluoranthene
Concen: 14.971 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.047 min
Lab File: BF138381.D
Acq: 27 Jun 2024 22:38

Tgt Ion:252 Resp: 288260
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 10.8 8.0 12.0





#90

Benzo(a)pyrene

Concen: 8.736 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Instrument :

BNA_F

ClientSampleId :

7-B-1

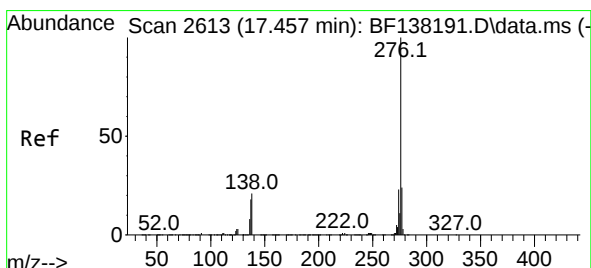
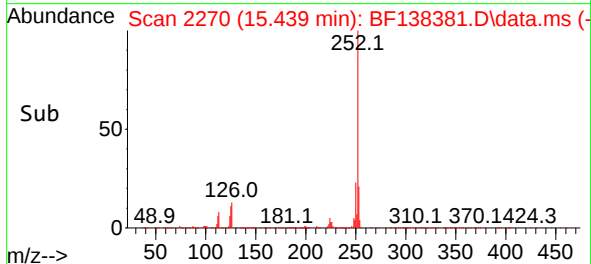
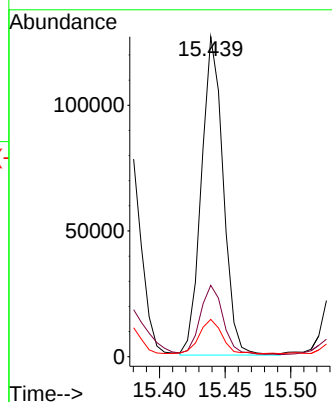
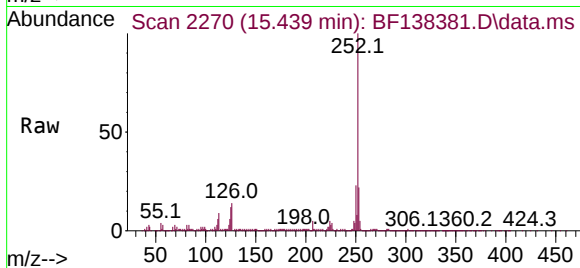
Tgt Ion:252 Resp: 147462

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 11.7 8.2 12.2



#92

Benzo(g,h,i)perylene

Concen: 4.374 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.041 min

Lab File: BF138381.D

Acq: 27 Jun 2024 22:38

Tgt Ion:276 Resp: 80661

Ion Ratio Lower Upper

276 100

277 24.3 19.5 29.3

138 22.2 16.6 24.8

