

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
 Data File : BF138249.D
 Acq On : 19 Jun 2024 16:59
 Operator : CG\JU
 Sample : P2930-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

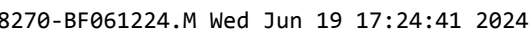
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPE

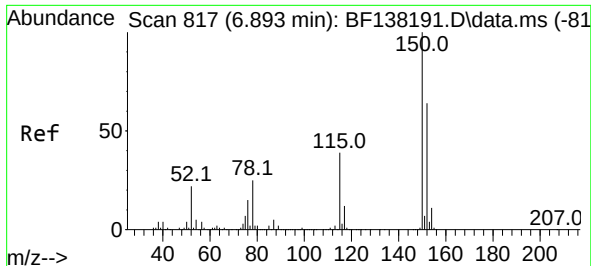
Quant Time: Jun 19 17:23:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	317316	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1180690	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	573331	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	845305	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	591201	20.000	ng	-0.01
86) Perylene-d12	15.515	264	530473	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	2094250	110.405	ng	0.00
7) Phenol-d6	6.516	99	2535994	105.432	ng	0.00
23) Nitrobenzene-d5	7.445	82	1585196	78.161	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	581152	101.820	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2650088	73.501	ng	-0.01
79) Terphenyl-d14	12.992	244	2378094	63.709	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.457	42	19202	2.011	ng	# 1
19) n-Nitroso-di-n-propyla...	7.445	70	211639	14.844	ng	# 77
25) Isophorone	7.445	82	1581118	43.101	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	76558	10.046	ng	# 25
53) 3-Nitroaniline	10.022	138	40385	4.961	ng	# 3
57) 2,4-Dinitrotoluene	9.916	165	76558	8.145	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	1232	7.179	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	37331	3.919	ng	# 1
71) Phenanthrene	11.428	178	718462	17.187	ng	97
72) Anthracene	11.480	178	216547	5.217	ng	97
75) Fluoranthene	12.616	202	958110	22.476	ng	98
77) Benzidine	12.992	184	31050	4.541	ng	# 94
78) Pyrene	12.845	202	889076	17.435	ng	98
81) Benzo(a)anthracene	14.033	228	506783	13.362	ng	98
83) Chrysene	14.069	228	453377	12.541	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	133357	3.856	ng	97
88) Benzo(b)fluoranthene	15.080	252	554839	17.736	ng	97
89) Benzo(k)fluoranthene	15.080	252	554839	18.098	ng	98
90) Benzo(a)pyrene	15.445	252	299188	11.133	ng	# 98
92) Benzo(g,h,i)perylene	17.427	276	112431	3.829	ng	98

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

Quant Time: Jun 19 17:23:12 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

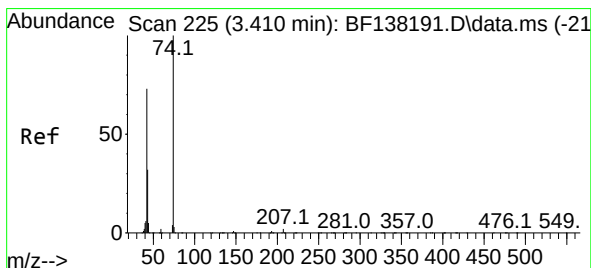
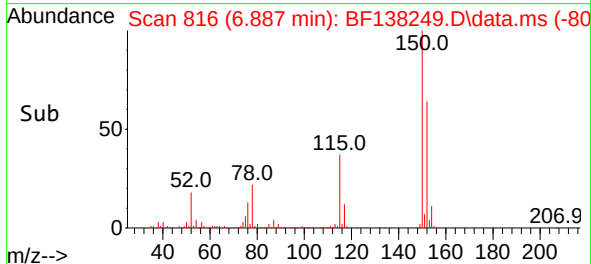
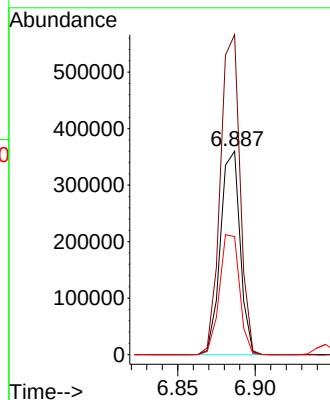
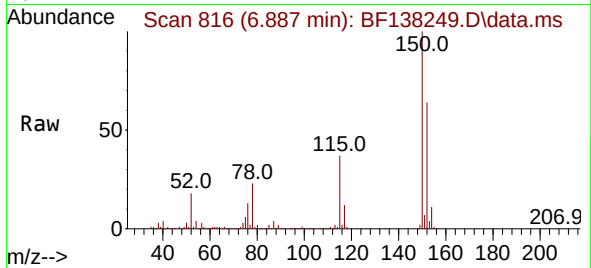




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

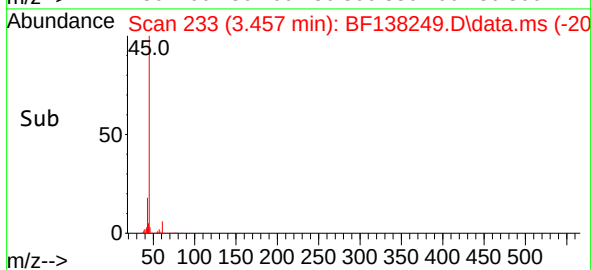
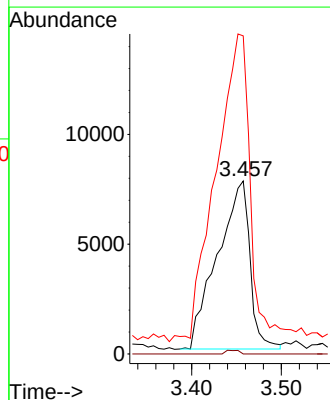
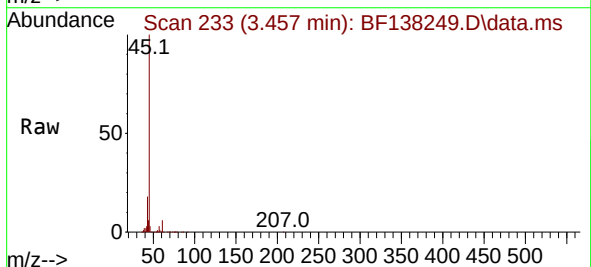
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

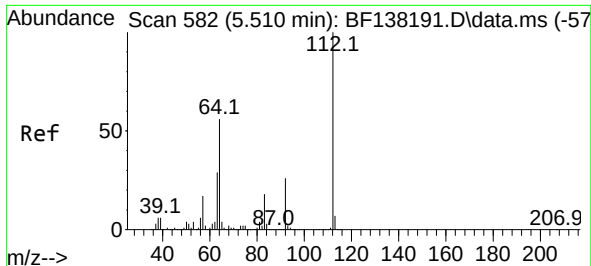
Tgt Ion:152 Resp: 317316
Ion Ratio Lower Upper
152 100
150 157.2 125.0 187.4
115 58.0 48.4 72.6



#4
n-Nitrosodimethylamine
Concen: 2.011 ng
RT: 3.457 min Scan# 233
Delta R.T. 0.047 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion: 42 Resp: 19202
Ion Ratio Lower Upper
42 100
74 0.0 109.9 164.9#
44 183.9 5.2 7.8#

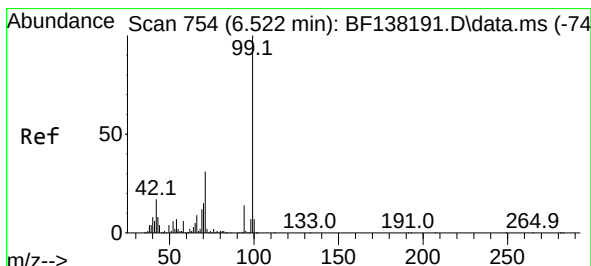
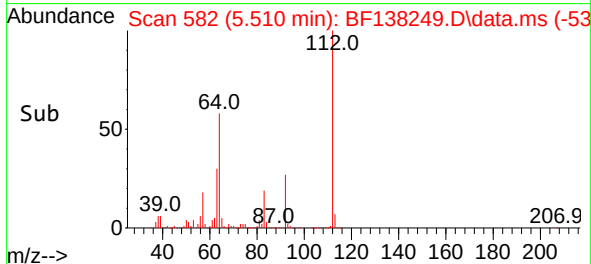
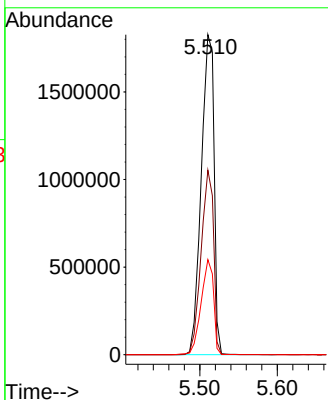
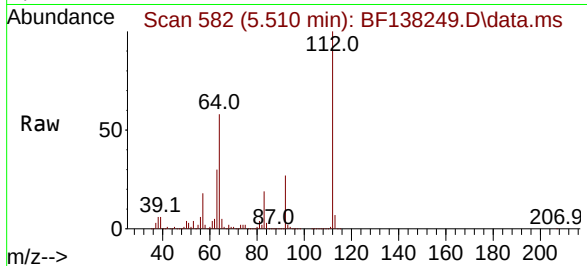




#5
2-Fluorophenol
Concen: 110.405 ng
RT: 5.510 min Scan# 510
Delta R.T. -0.000 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

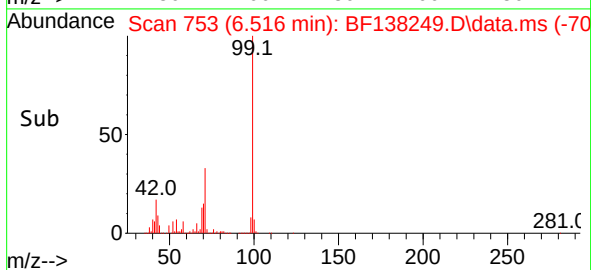
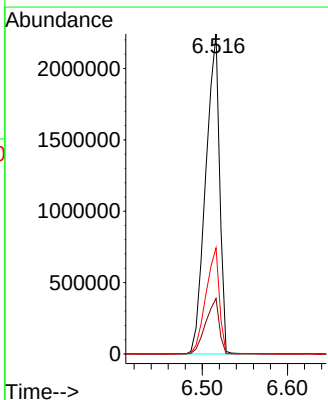
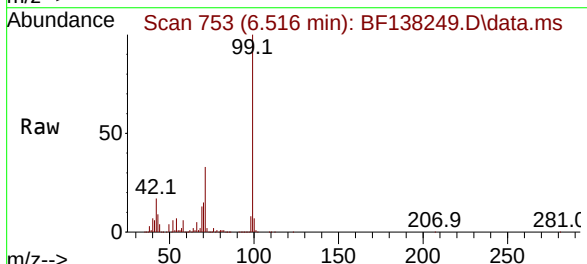
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

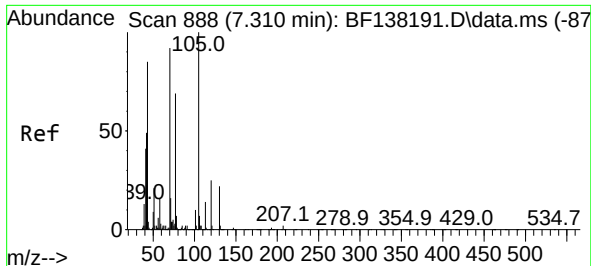
Tgt Ion:112 Resp: 2094250
Ion Ratio Lower Upper
112 100
64 57.7 45.2 67.8
63 29.7 22.9 34.3



#7
Phenol-d6
Concen: 105.432 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion: 99 Resp: 2535994
Ion Ratio Lower Upper
99 100
42 17.3 13.7 20.5
71 33.2 25.0 37.6

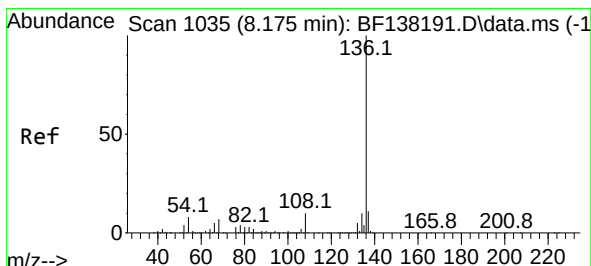
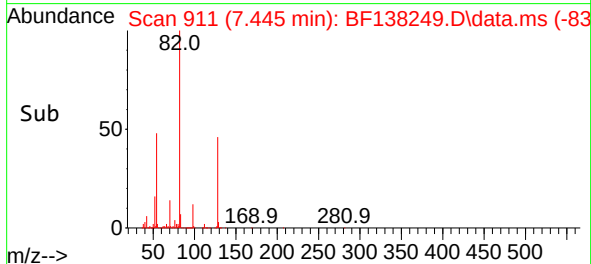
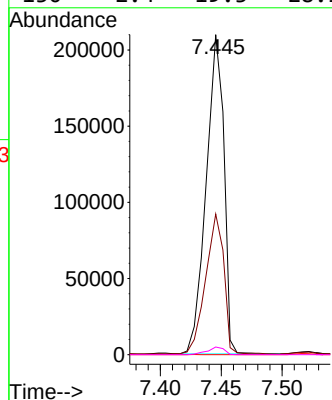
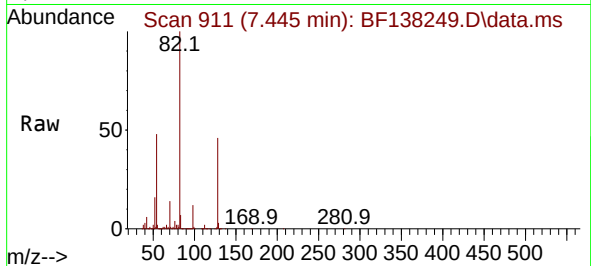




#19
n-Nitroso-di-n-propylamine
Concen: 14.844 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

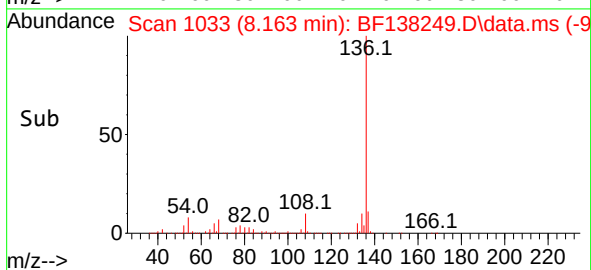
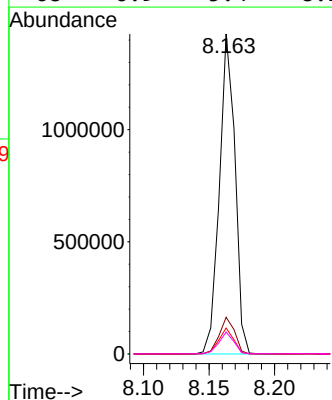
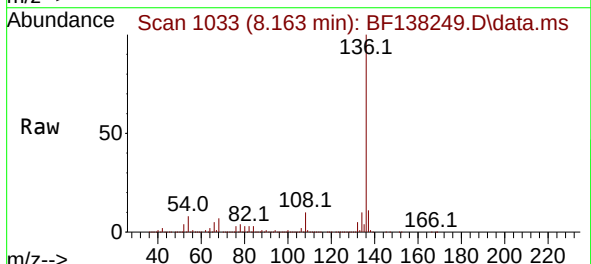
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

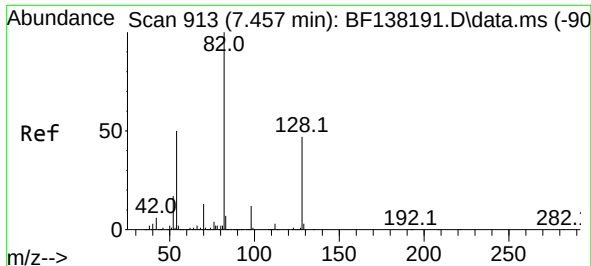
Tgt Ion: 70 Resp: 211639
Ion Ratio Lower Upper
70 100
42 44.0 42.8 64.2
101 0.0 8.4 12.6#
130 2.4 19.3 28.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:136 Resp: 1180690
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 8.1 6.6 10.0
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 78.161 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

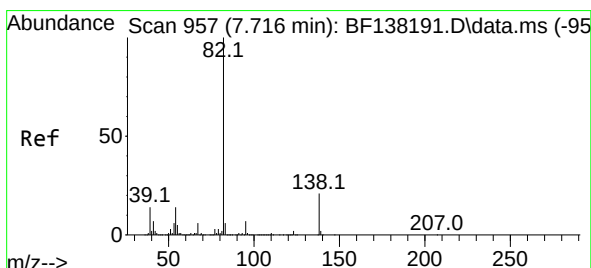
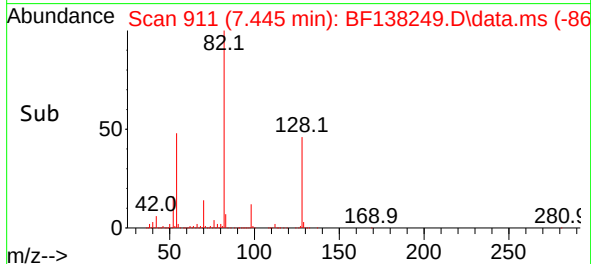
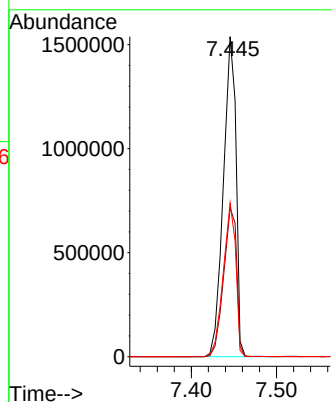
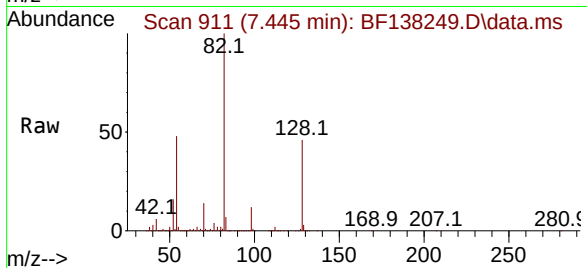
Tgt Ion: 82 Resp: 1585196

Ion Ratio Lower Upper

82 100

128 46.5 37.2 55.8

54 48.0 39.8 59.6



#25

Isophorone

Concen: 43.101 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.271 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

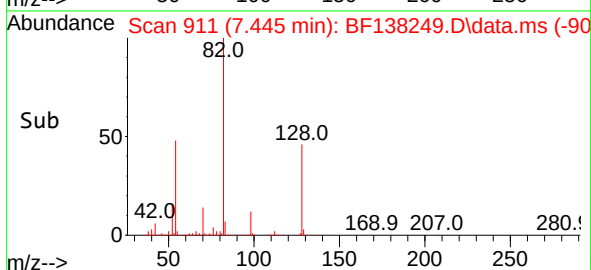
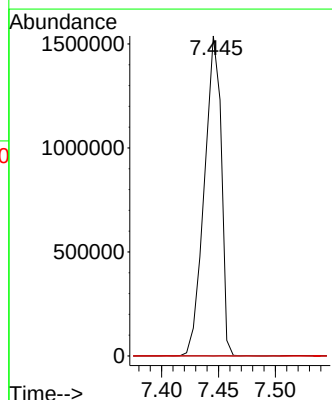
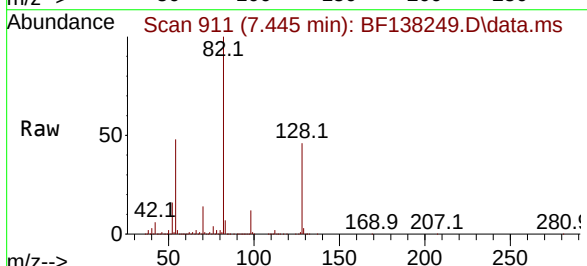
Tgt Ion: 82 Resp: 1581118

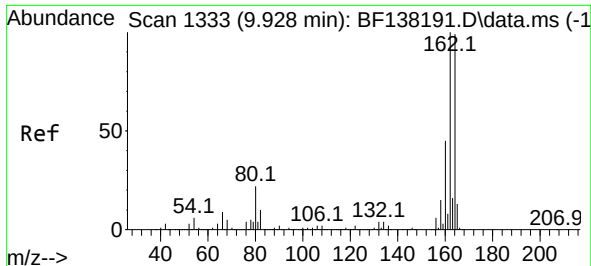
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 16.4 24.6#

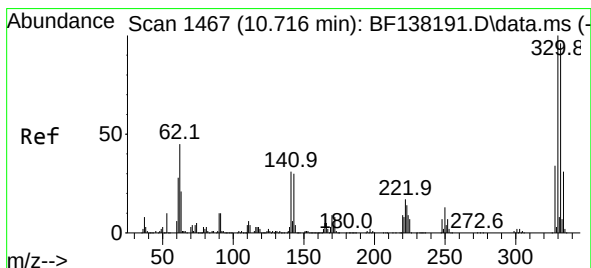
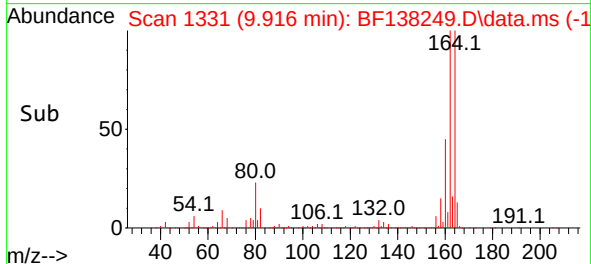
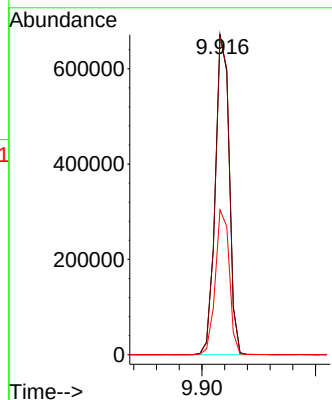
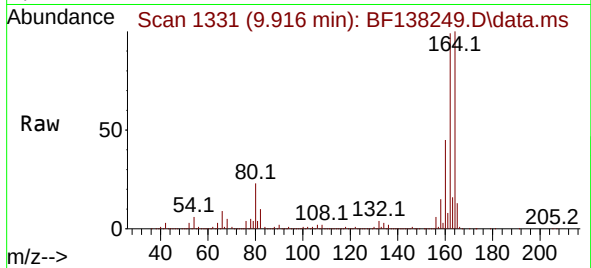




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

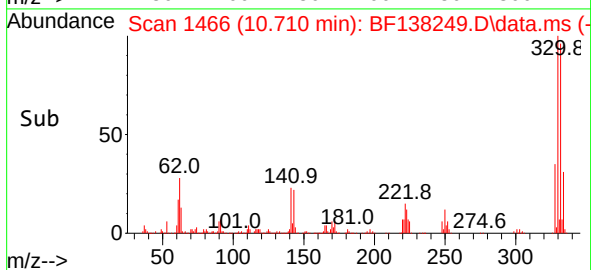
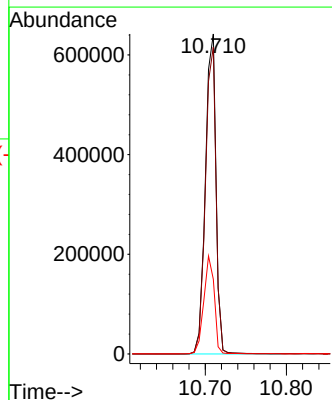
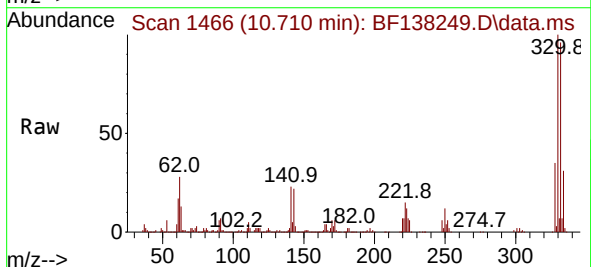
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

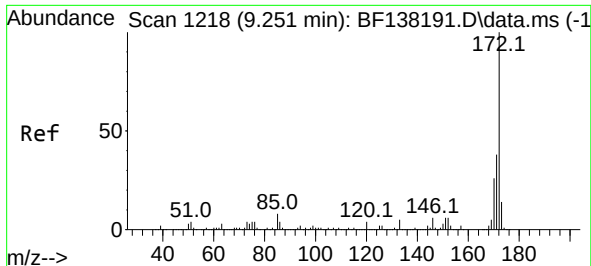
Tgt Ion:164 Resp: 573331
Ion Ratio Lower Upper
164 100
162 99.4 80.6 121.0
160 45.3 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 101.820 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:330 Resp: 581152
Ion Ratio Lower Upper
330 100
332 96.3 76.6 115.0
141 30.4 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 73.501 ng

RT: 9.239 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

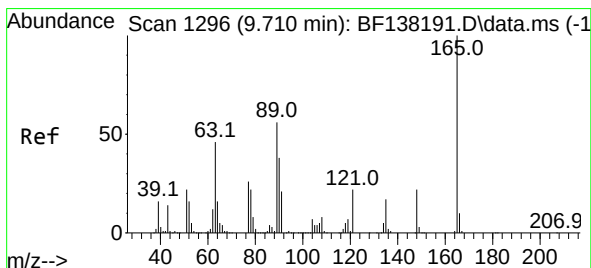
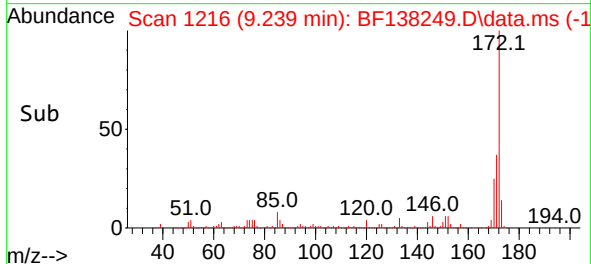
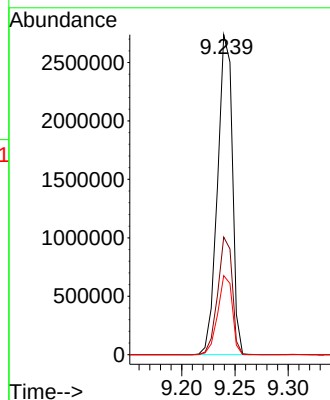
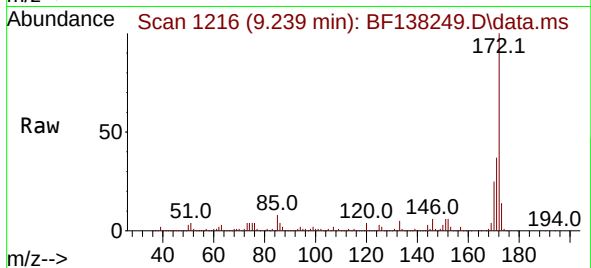
Tgt Ion:172 Resp: 2650088

Ion Ratio Lower Upper

172 100

171 36.7 30.3 45.5

170 24.7 20.6 30.8



#51

2,6-Dinitrotoluene

Concen: 10.046 ng

RT: 9.916 min Scan# 1331

Delta R.T. 0.206 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

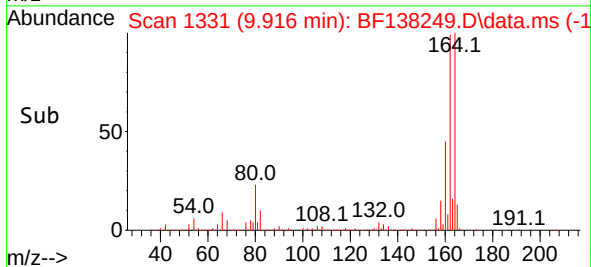
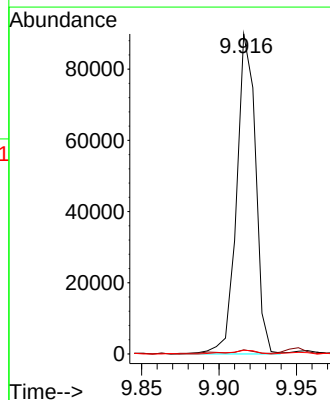
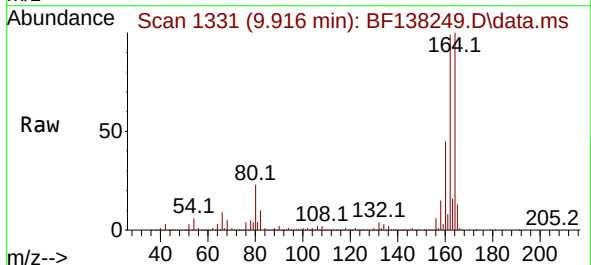
Tgt Ion:165 Resp: 76558

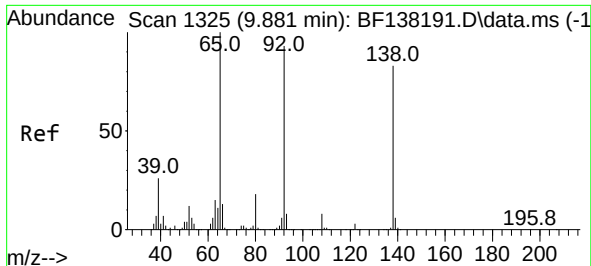
Ion Ratio Lower Upper

165 100

63 1.3 43.7 65.5#

89 1.2 44.9 67.3#

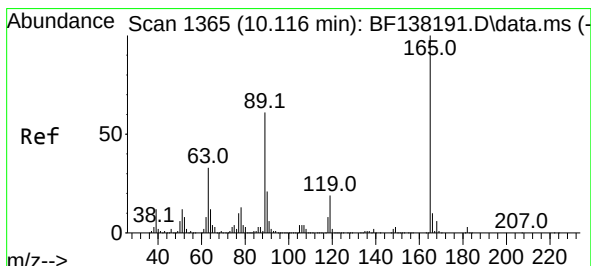
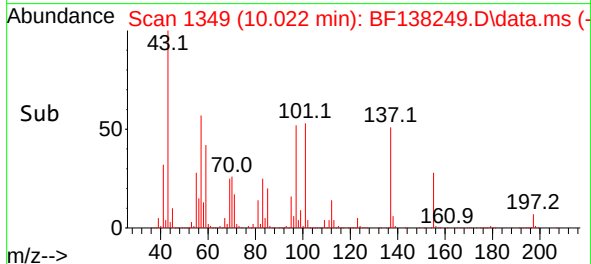
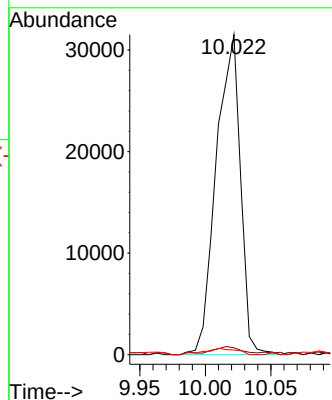
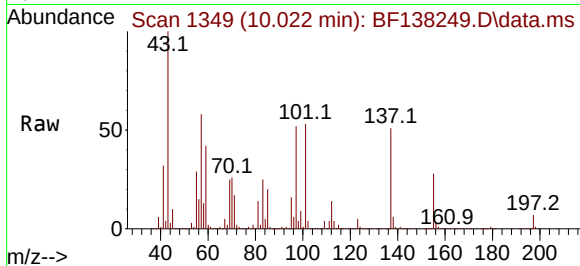




#53
3-Nitroaniline
Concen: 4.961 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.141 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

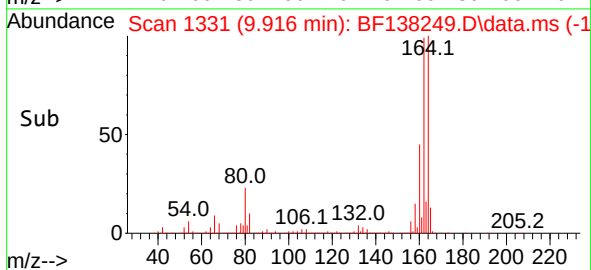
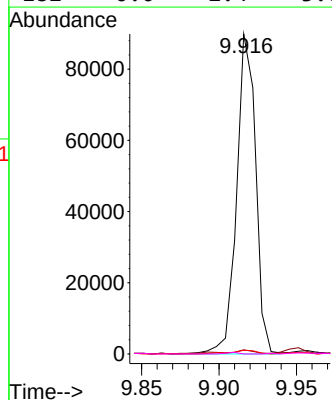
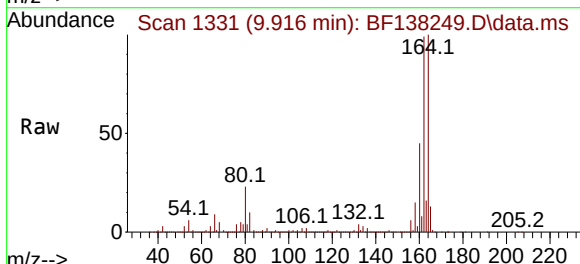
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

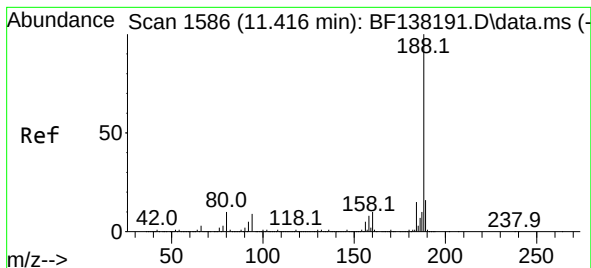
Tgt Ion:138 Resp: 40385
Ion Ratio Lower Upper
138 100
108 2.1 8.2 12.2#
92 1.4 90.0 135.0#



#57
2,4-Dinitrotoluene
Concen: 8.145 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:165 Resp: 76558
Ion Ratio Lower Upper
165 100
63 1.3 26.6 39.8#
89 1.2 48.7 73.1#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

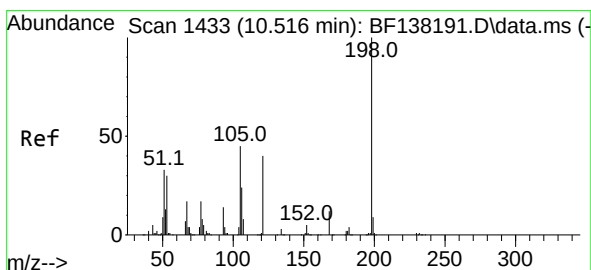
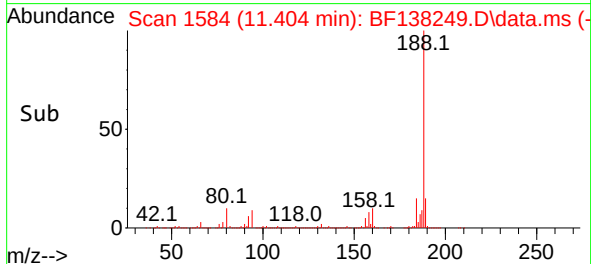
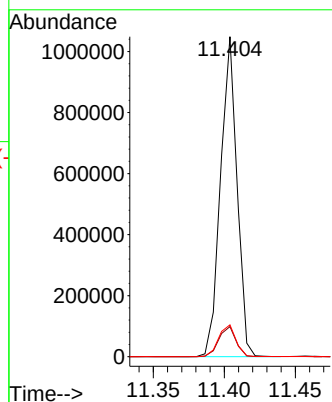
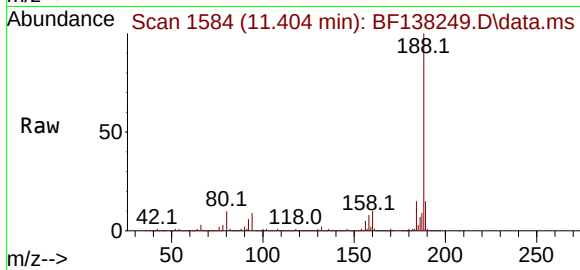
Tgt Ion:188 Resp: 845305

Ion Ratio Lower Upper

188 100

94 9.4 7.6 11.4

80 10.0 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.179 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

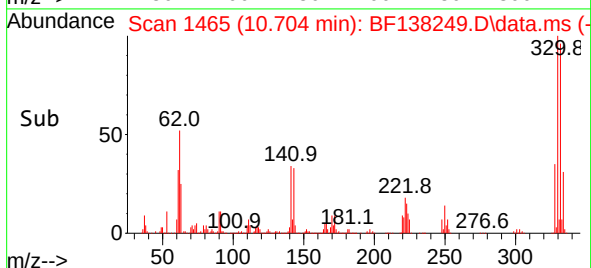
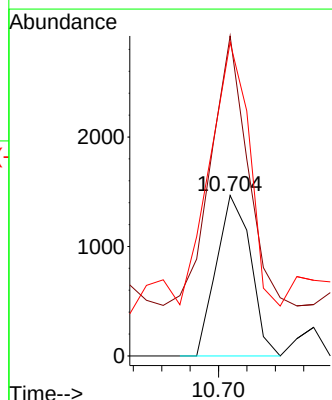
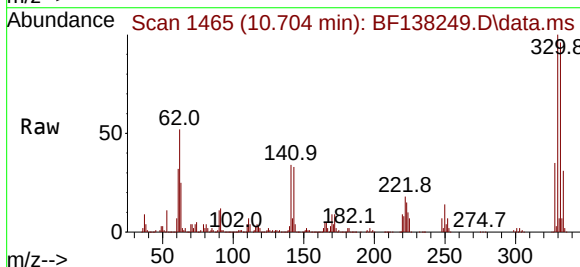
Tgt Ion:198 Resp: 1232

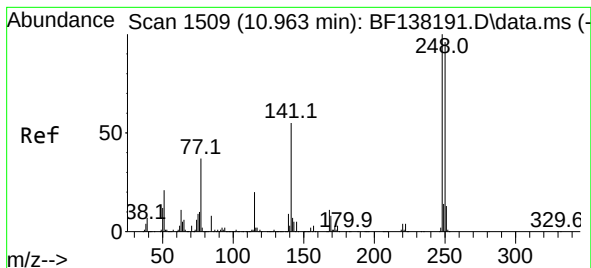
Ion Ratio Lower Upper

198 100

51 199.4 26.9 66.9#

105 195.4 26.0 66.0#

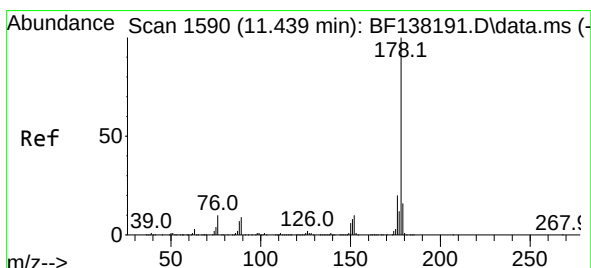
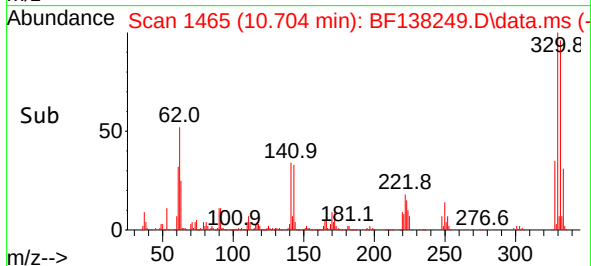
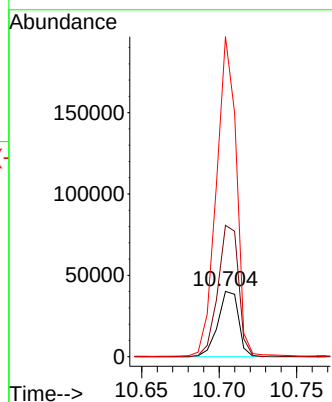
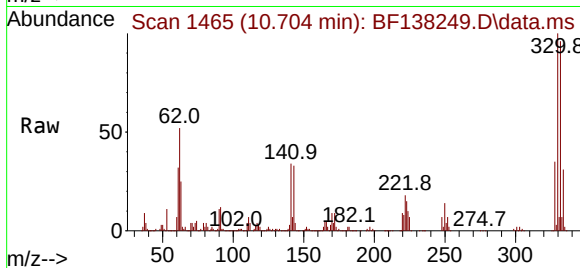




#67
4-Bromophenyl-phenylether
Concen: 3.919 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.259 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

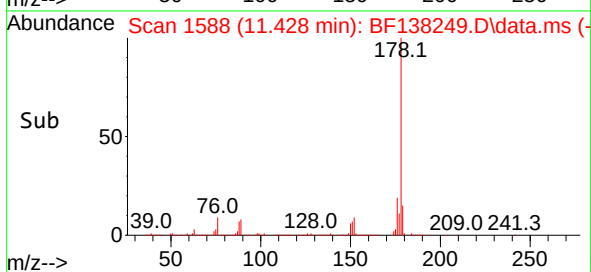
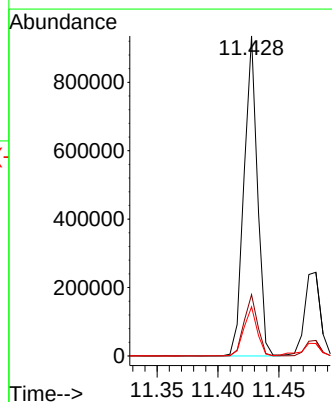
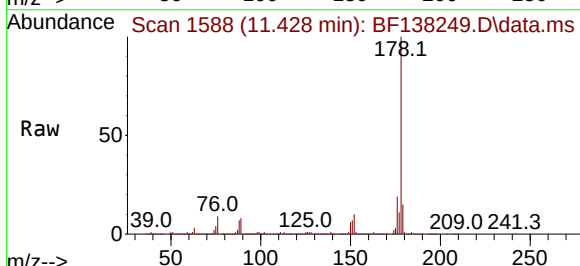
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

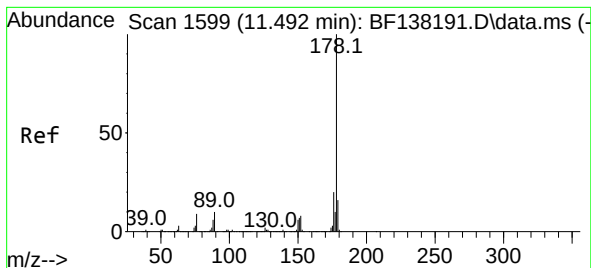
Tgt Ion:248 Resp: 37331
Ion Ratio Lower Upper
248 100
250 201.1 77.2 115.8#
141 489.5 44.1 66.1#



#71
Phenanthrene
Concen: 17.187 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:178 Resp: 718462
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.4 13.1 19.7





#72

Anthracene

Concen: 5.217 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

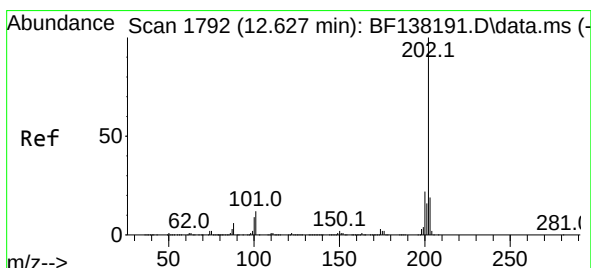
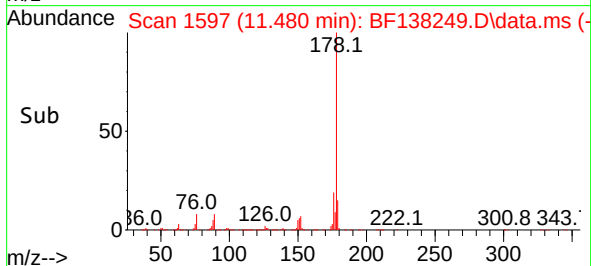
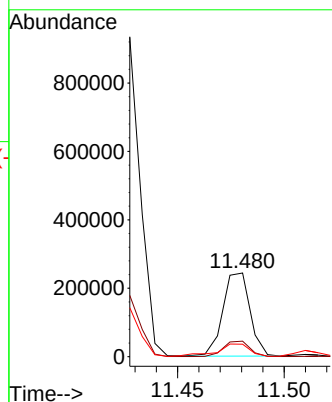
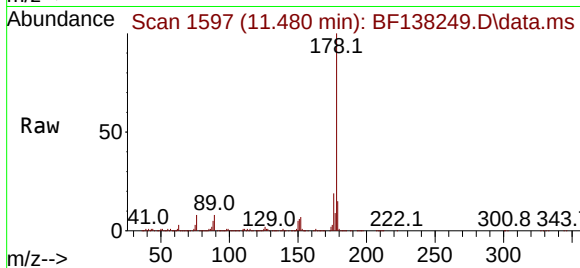
Tgt Ion:178 Resp: 216547

Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

179 15.0 13.0 19.6



#75

Fluoranthene

Concen: 22.476 ng

RT: 12.616 min Scan# 1790

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

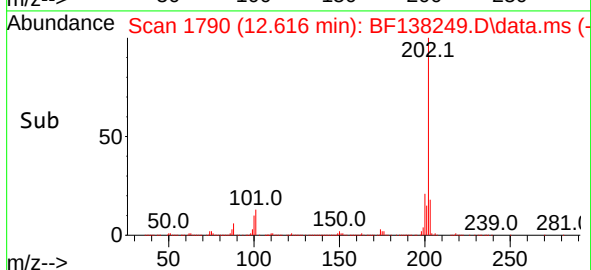
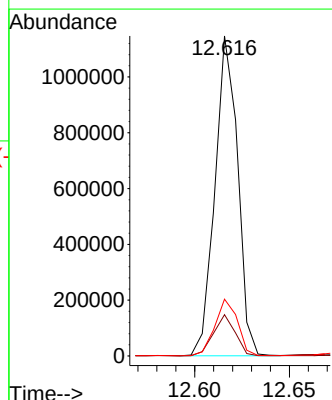
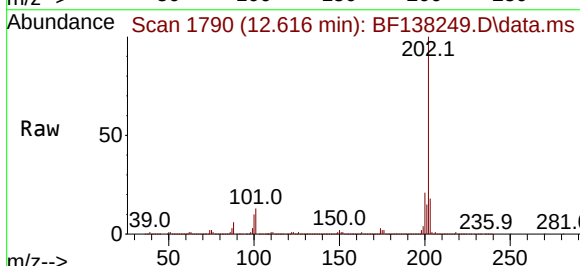
Tgt Ion:202 Resp: 958110

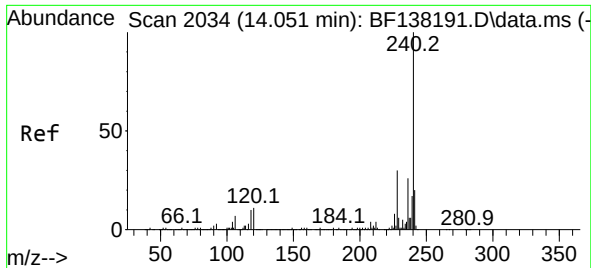
Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.8

203 17.8 0.0 38.6

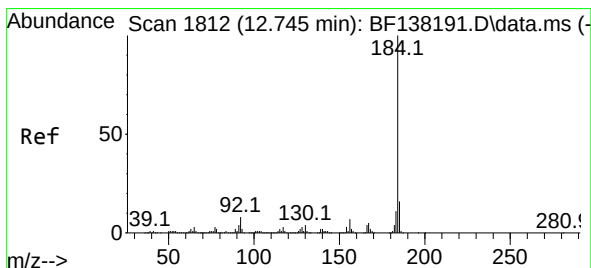
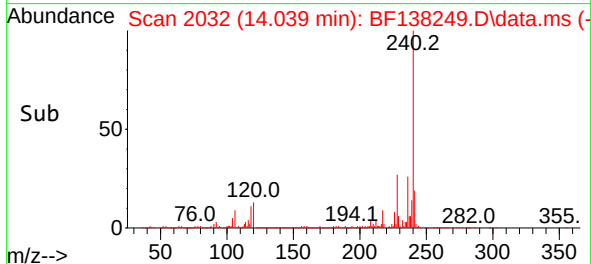
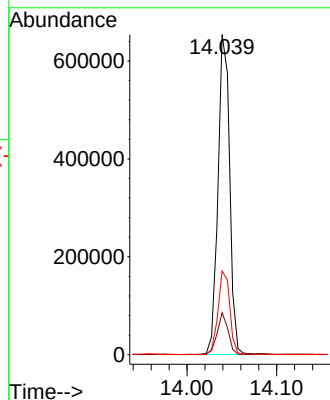
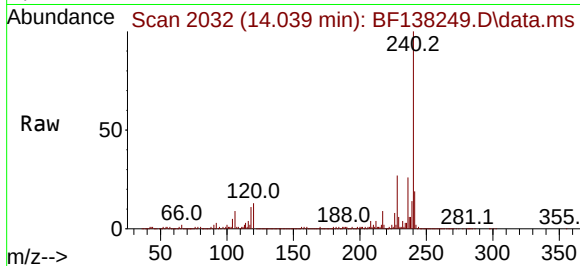




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

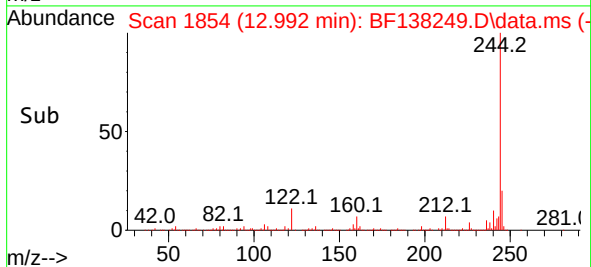
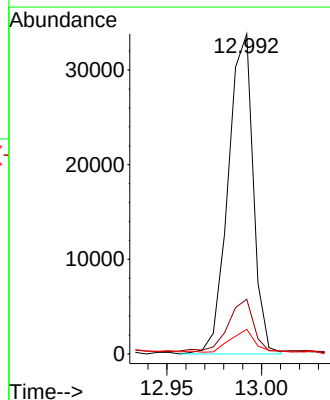
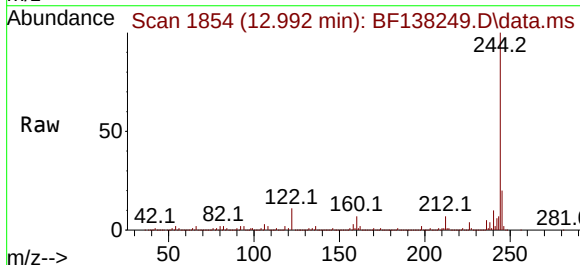
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

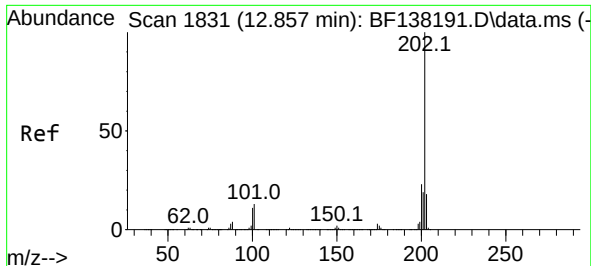
Tgt Ion:240 Resp: 591201
Ion Ratio Lower Upper
240 100
120 13.1 9.2 13.8
236 26.1 21.0 31.6



#77
Benzidine
Concen: 4.541 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.247 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:184 Resp: 31050
Ion Ratio Lower Upper
184 100
185 17.1 12.6 19.0
183 7.7 9.0 13.6#

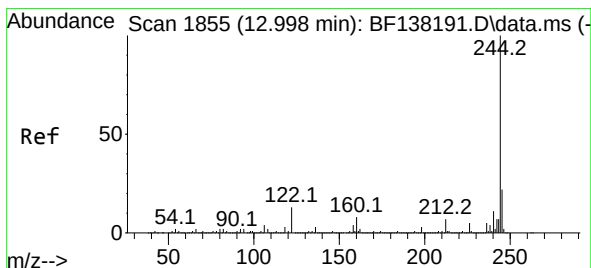
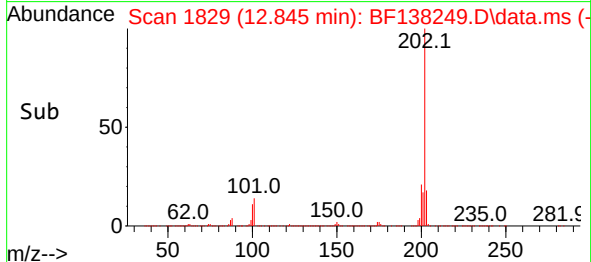
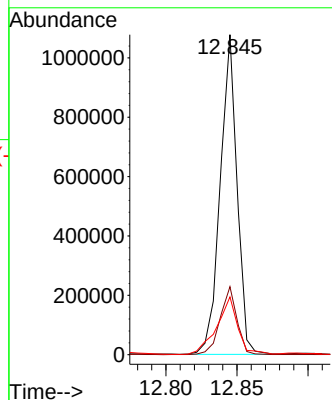
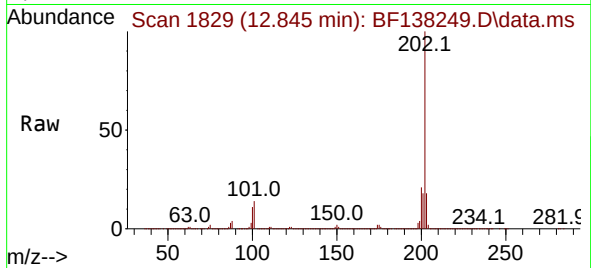




#78
Pyrene
Concen: 17.435 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.012 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

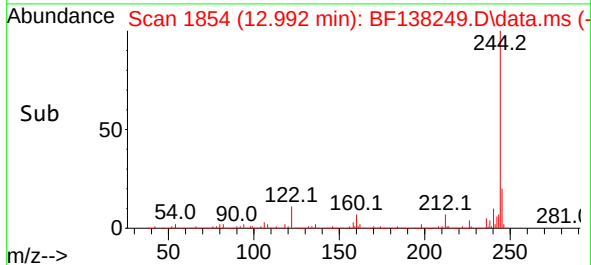
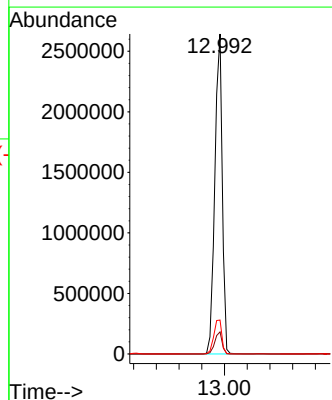
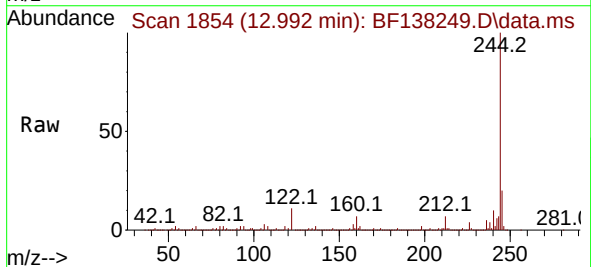
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

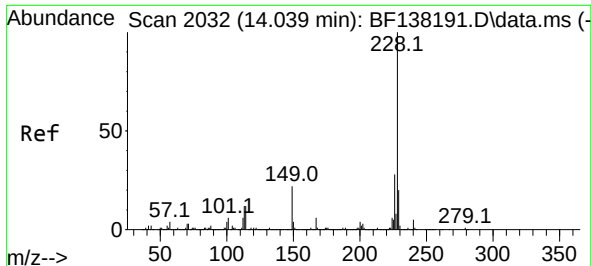
Tgt Ion:202 Resp: 889076
Ion Ratio Lower Upper
202 100
200 21.2 18.0 27.0
203 18.0 14.7 22.1



#79
Terphenyl-d14
Concen: 63.709 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:244 Resp: 2378094
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 10.6 10.6 15.8

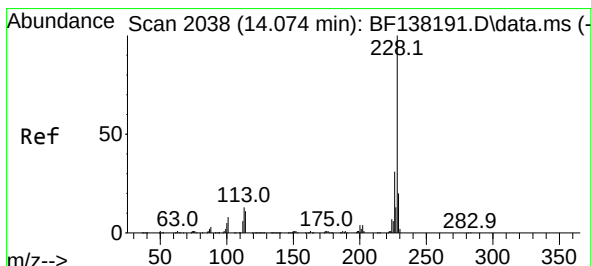
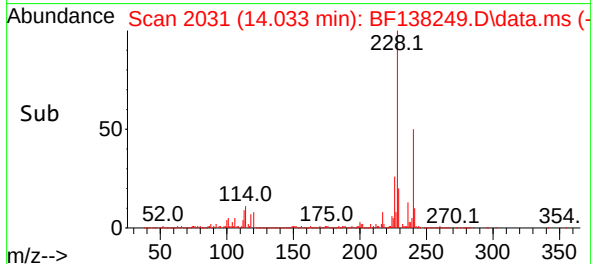
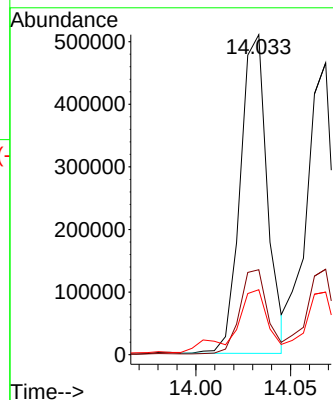
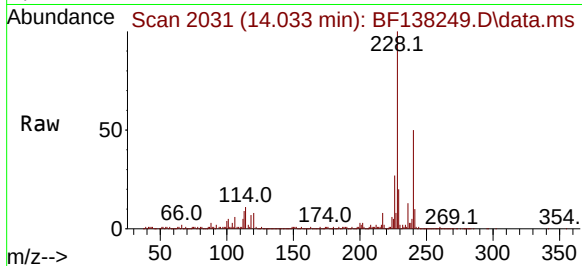




#81
Benzo(a)anthracene
Concen: 13.362 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

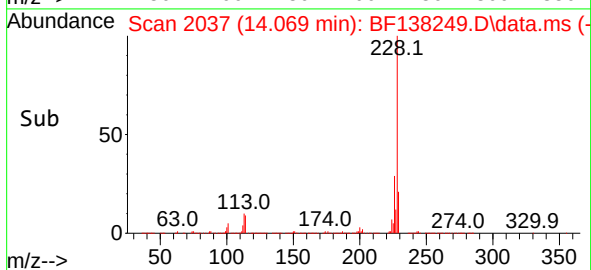
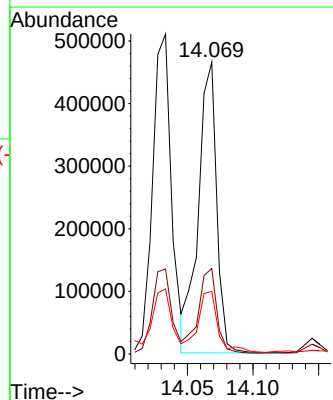
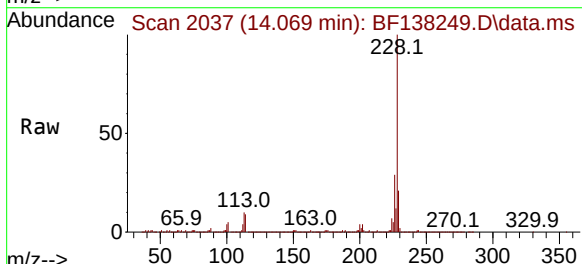
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

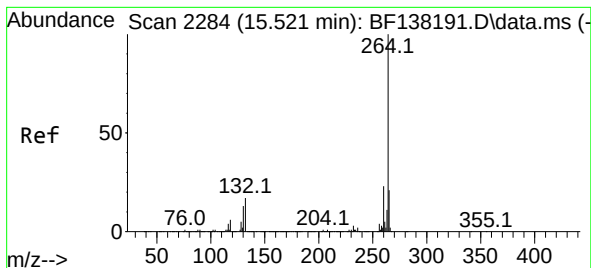
Tgt Ion:228 Resp: 506783
Ion Ratio Lower Upper
228 100
226 26.6 22.5 33.7
229 20.3 16.3 24.5



#83
Chrysene
Concen: 12.541 ng
RT: 14.069 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:228 Resp: 453377
Ion Ratio Lower Upper
228 100
226 29.3 24.5 36.7
229 21.4 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

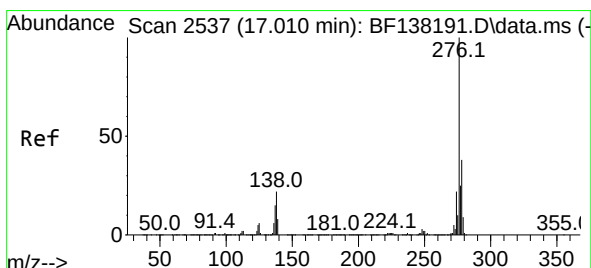
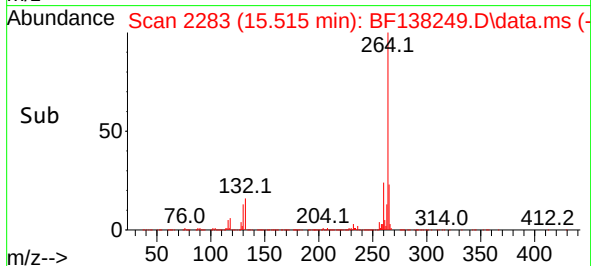
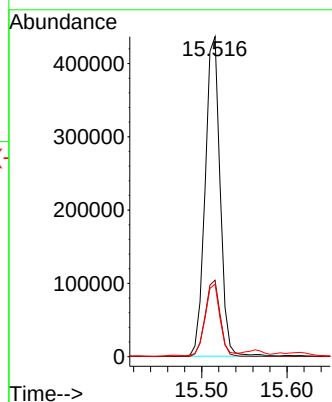
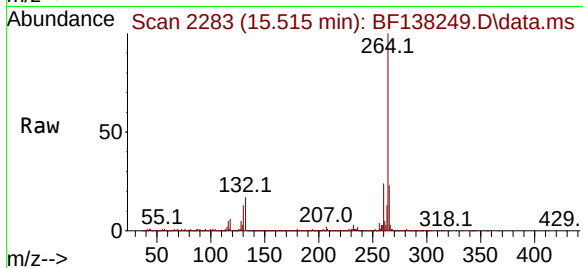
Tgt Ion:264 Resp: 530473

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 22.7 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.856 ng

RT: 16.980 min Scan# 2532

Delta R.T. -0.029 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

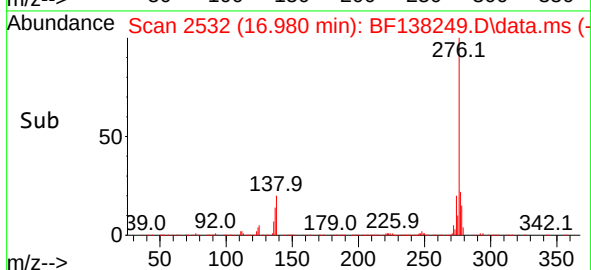
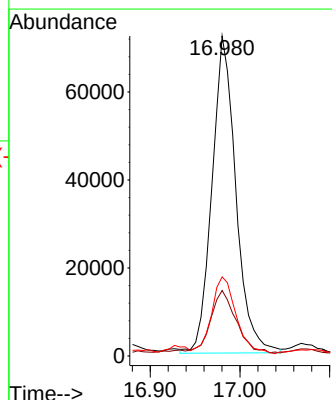
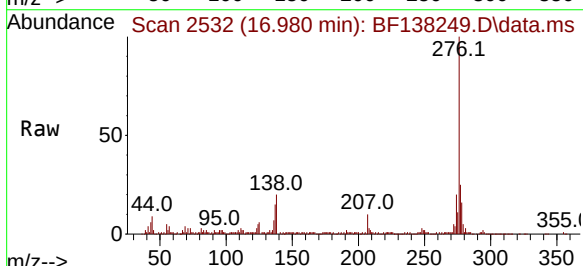
Tgt Ion:276 Resp: 133357

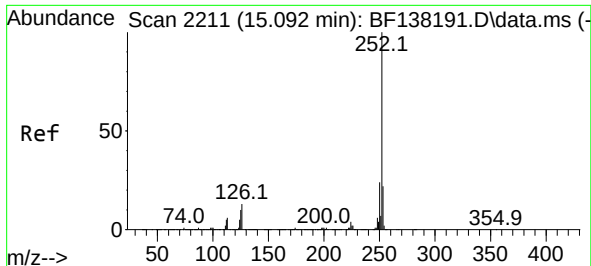
Ion Ratio Lower Upper

276 100

138 21.5 19.3 28.9

277 24.9 20.2 30.2

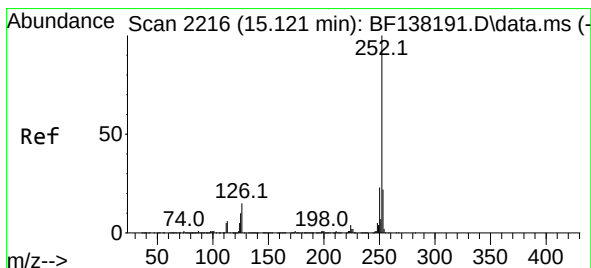
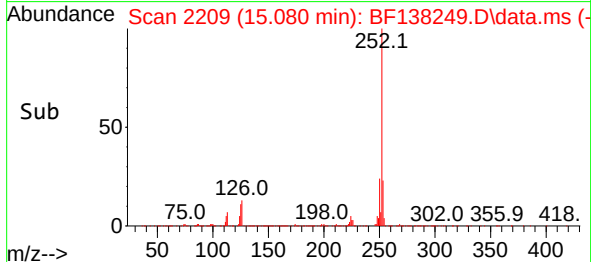
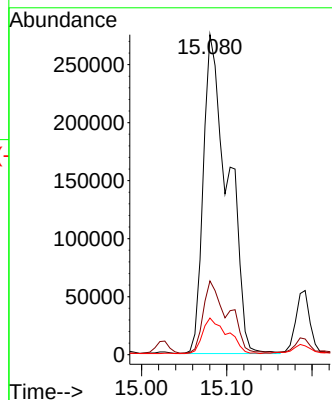
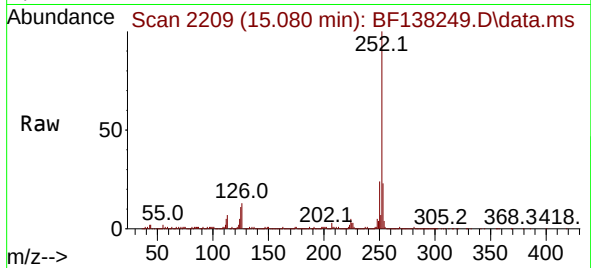




#88
Benzo(b)fluoranthene
Concen: 17.736 ng
RT: 15.080 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

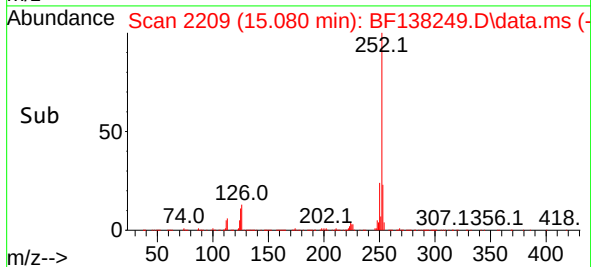
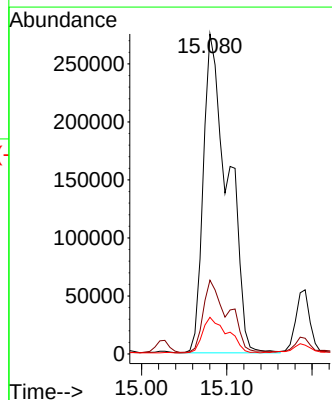
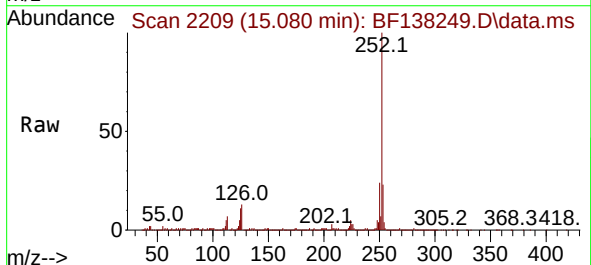
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

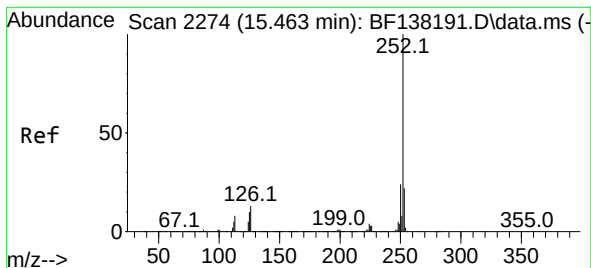
Tgt Ion:252 Resp: 554839
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 11.5 7.8 11.8



#89
Benzo(k)fluoranthene
Concen: 18.098 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.041 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:252 Resp: 554839
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.5 8.0 12.0





#90

Benzo(a)pyrene

Concen: 11.133 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

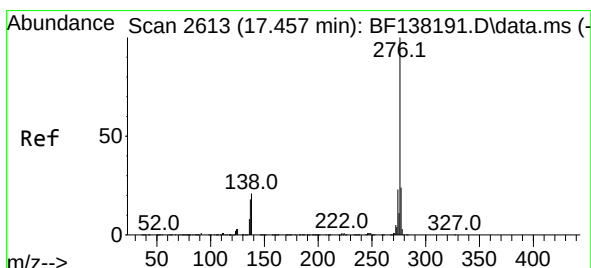
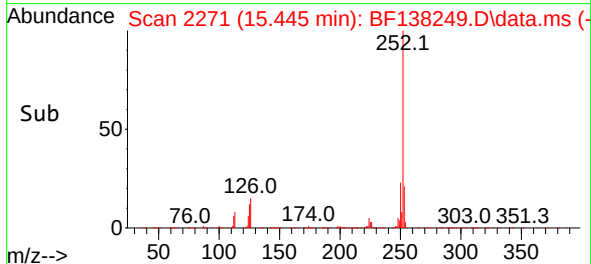
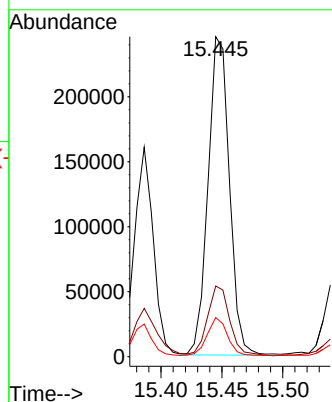
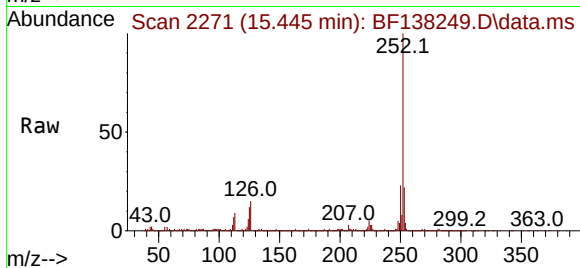
Tgt Ion:252 Resp: 299188

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 12.3 8.2 12.2#



#92

Benzo(g,h,i)perylene

Concen: 3.829 ng

RT: 17.427 min Scan# 2608

Delta R.T. -0.029 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Tgt Ion:276 Resp: 112431

Ion Ratio Lower Upper

276 100

277 25.3 19.5 29.3

138 20.1 16.6 24.8

