

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052824\
 Data File : BF138046.D
 Acq On : 28 May 2024 14:39
 Operator : CG\JU
 Sample : P2615-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251686

Quant Time: May 28 15:05:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

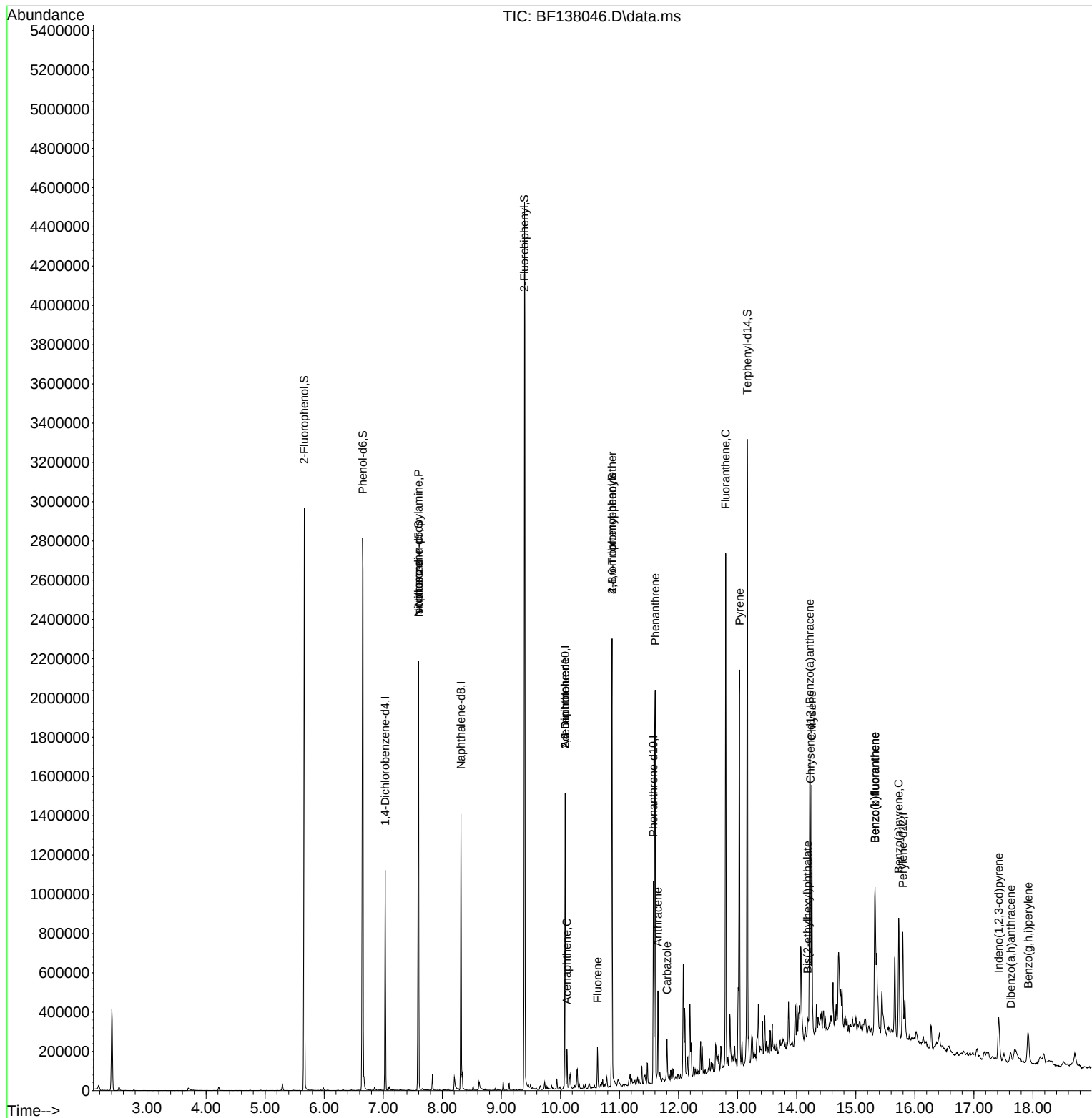
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	151115	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	566172	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	286231	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	376773	20.000	ng	0.00
76) Chrysene-d12	14.233	240	282134	20.000	ng	0.00
86) Perylene-d12	15.798	264	250803	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	918105	103.202	ng	0.00
7) Phenol-d6	6.651	99	1202929	109.769	ng	0.00
23) Nitrobenzene-d5	7.598	82	700185	72.780	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	302191	104.707	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	1505921	81.043	ng	0.00
79) Terphenyl-d14	13.163	244	1169255	61.079	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.598	70	92849	15.081	ng	# 75
25) Isophorone	7.598	82	700174	41.934	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	38201	9.273	ng	# 29
52) Acenaphthene	10.110	154	38867	2.552	ng	99
57) 2,4-Dinitrotoluene	10.080	165	38329	7.197	ng	# 33
58) Fluorene	10.627	166	56481	3.222	ng	98
67) 4-Bromophenyl-phenylether	10.875	248	19553	4.734	ng	# 1
71) Phenanthrene	11.604	178	758481	40.851	ng	100
72) Anthracene	11.651	178	161108	8.745	ng	98
73) Carbazole	11.804	167	81463	4.841	ng	99
75) Fluoranthene	12.798	202	988091	52.430	ng	99
78) Pyrene	13.033	202	868918	35.212	ng	100
81) Benzo(a)anthracene	14.221	228	474366	26.576	ng	98
83) Chrysene	14.257	228	424664	24.877	ng	98
84) Bis(2-ethylhexyl)phtha...	14.186	149	25290	2.703	ng	98
87) Indeno(1,2,3-cd)pyrene	17.421	276	150104	9.315	ng	95
88) Benzo(b)fluoranthene	15.327	252	639342	44.027	ng	98
89) Benzo(k)fluoranthene	15.327	252	639342	44.815	ng	97
90) Benzo(a)pyrene	15.727	252	310788	25.063	ng	96
91) Dibenzo(a,h)anthracene	17.627	278	30785	2.312	ng	94
92) Benzo(g,h,i)perylene	17.921	276	141619	10.126	ng	98

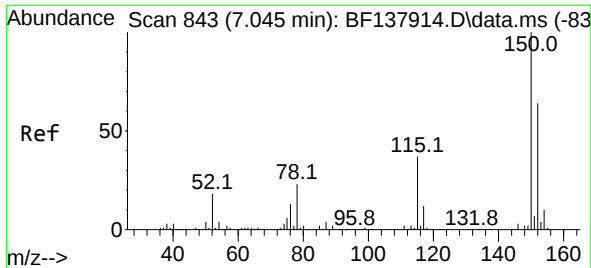
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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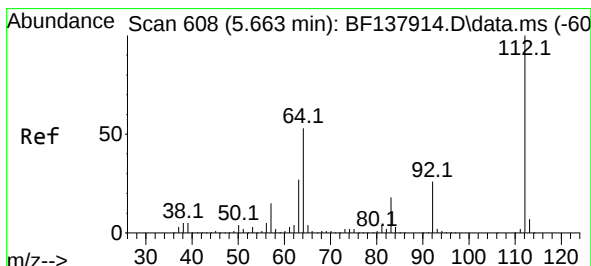
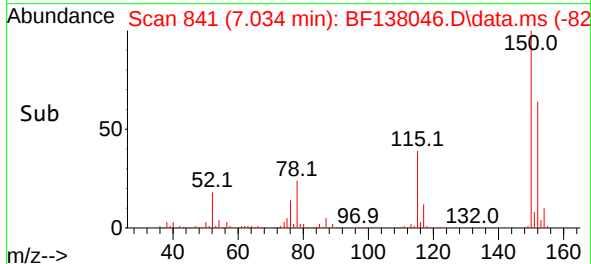
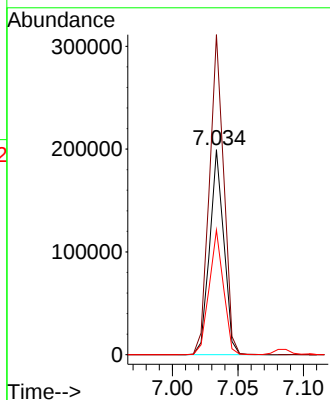
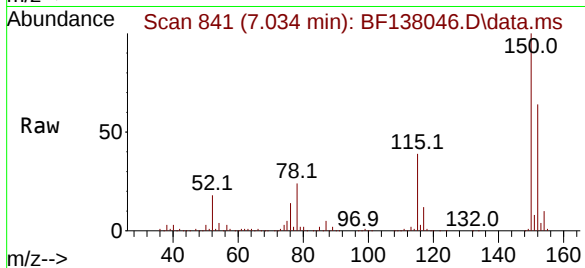




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

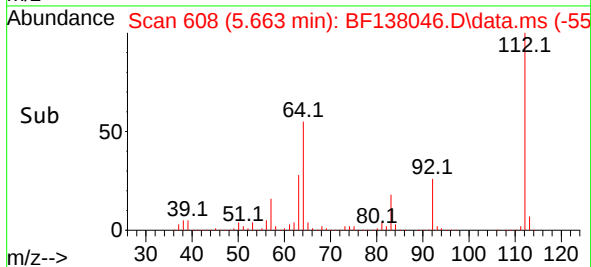
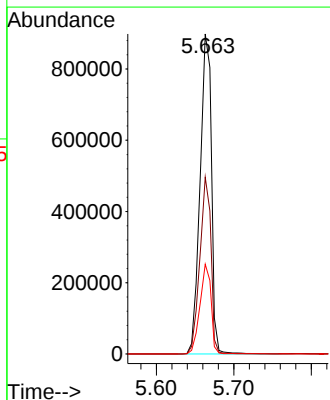
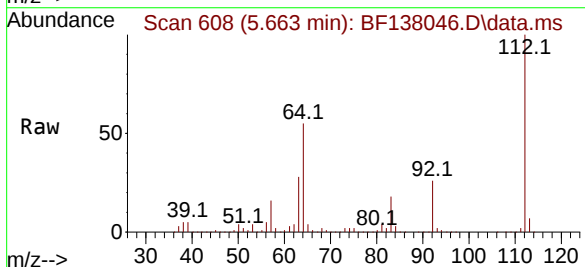
Instrument :
BNA_F
ClientSampleId :
RBR251686

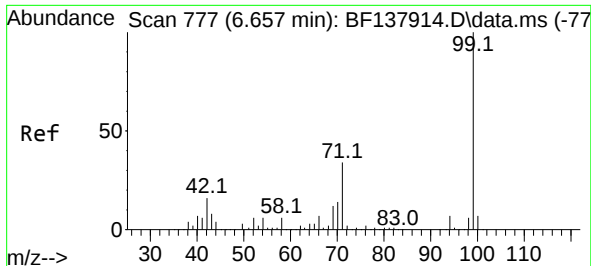
Tgt Ion:152 Resp: 151115
Ion Ratio Lower Upper
152 100
150 156.1 125.7 188.5
115 60.8 47.0 70.6



#5
2-Fluorophenol
Concen: 103.202 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Tgt Ion:112 Resp: 918105
Ion Ratio Lower Upper
112 100
64 55.3 42.4 63.6
63 28.0 21.4 32.2

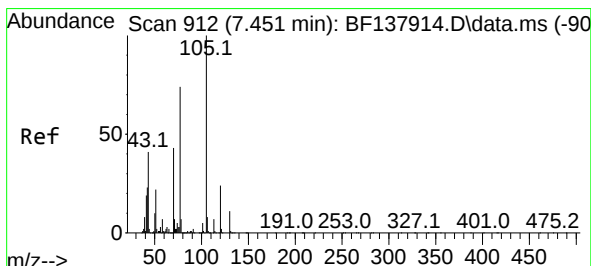
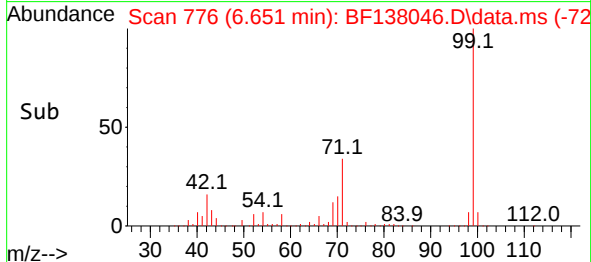
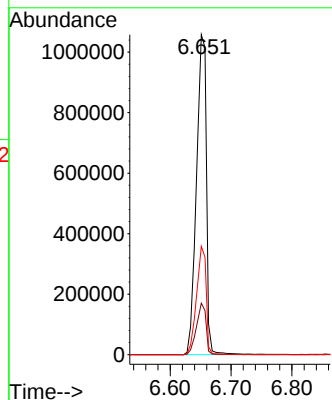
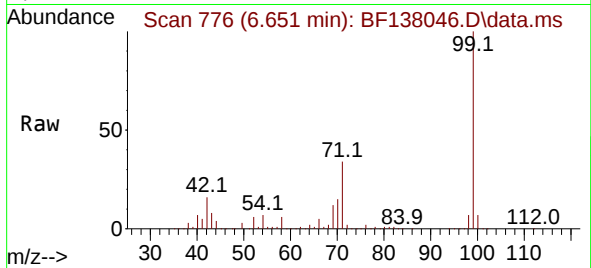




#7
Phenol-d6
Concen: 109.769 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

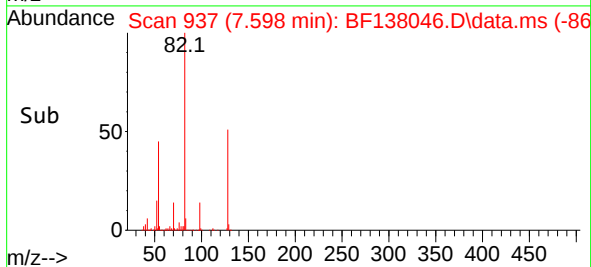
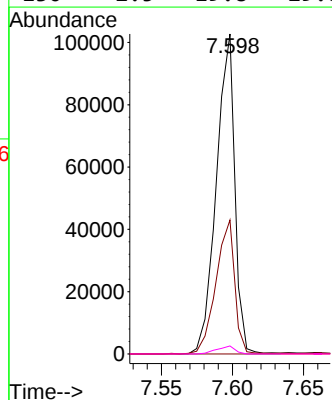
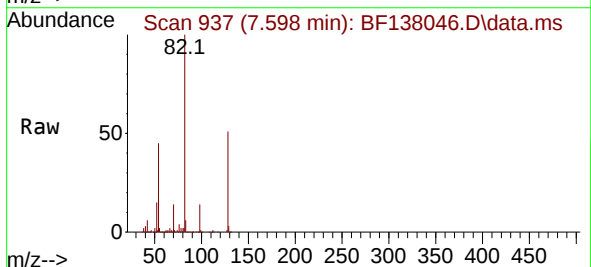
Instrument :
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ClientSampleId :
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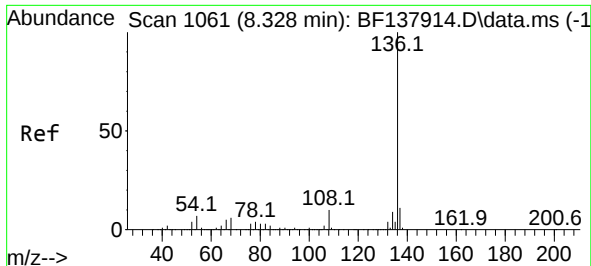
Tgt Ion: 99 Resp: 1202929
Ion Ratio Lower Upper
99 100
42 16.1 12.6 18.8
71 33.9 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.081 ng
RT: 7.598 min Scan# 937
Delta R.T. 0.147 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Tgt Ion: 70 Resp: 92849
Ion Ratio Lower Upper
70 100
42 41.8 42.2 63.4#
101 0.0 8.8 13.2#
130 2.5 19.8 29.8#

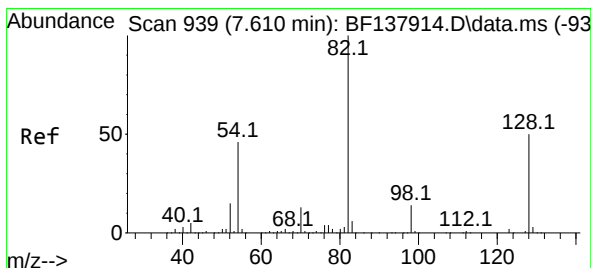
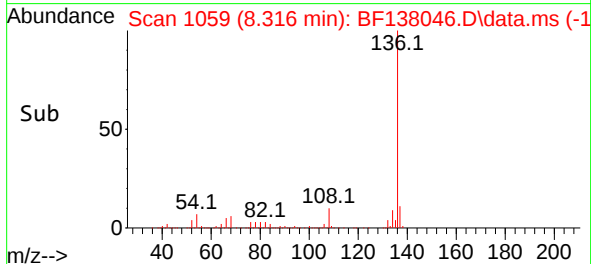
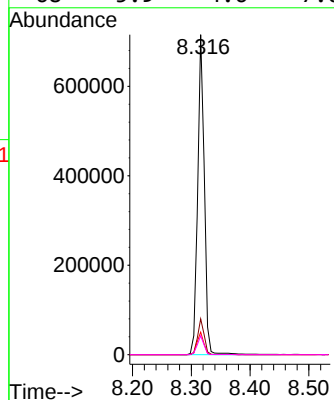
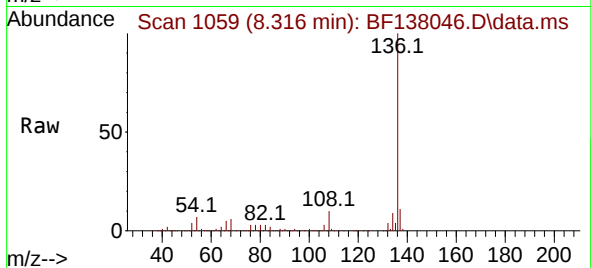




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

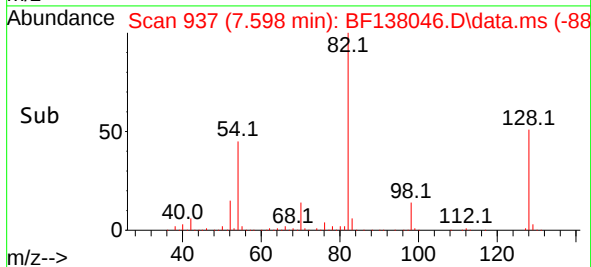
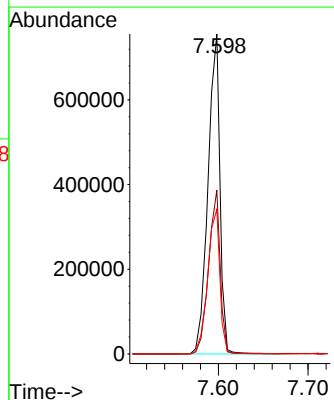
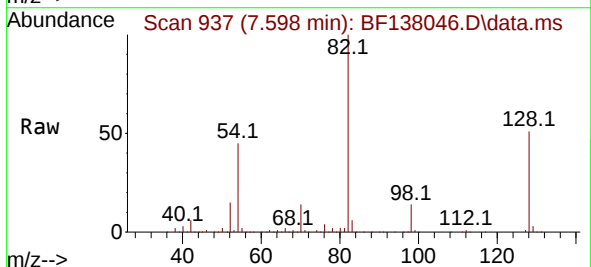
Instrument :
BNA_F
ClientSampleId :
RBR251686

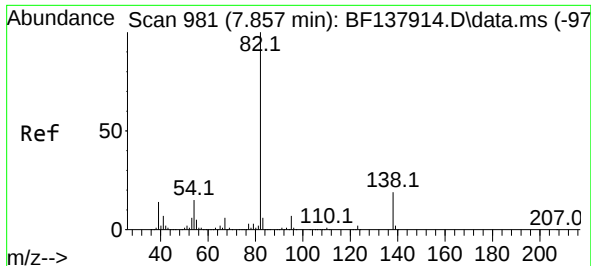
Tgt Ion:	136	Resp:	566172
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.1	5.4	8.2
68	5.9	4.6	7.0



#23
Nitrobenzene-d5
Concen: 72.780 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

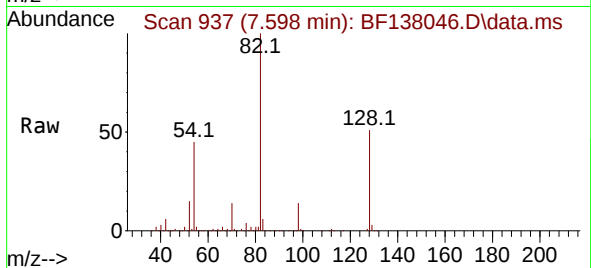
Tgt Ion:	82	Resp:	700185
Ion	Ratio	Lower	Upper
82	100		
128	51.2	40.3	60.5
54	45.2	36.8	55.2



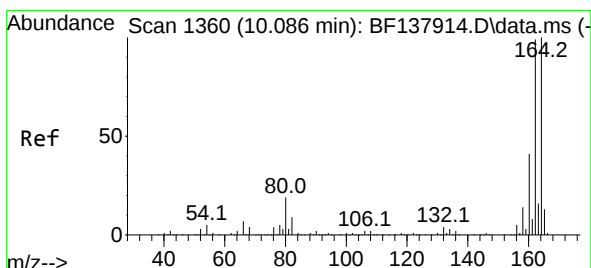
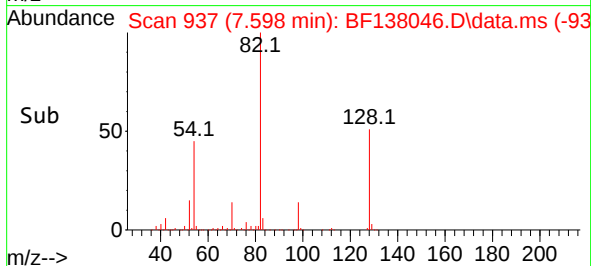
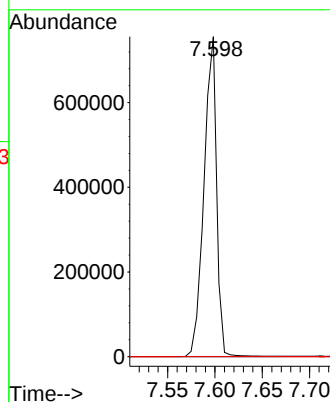


#25
Isophorone
Concen: 41.934 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Instrument :
BNA_F
ClientSampleId :
RBR251686

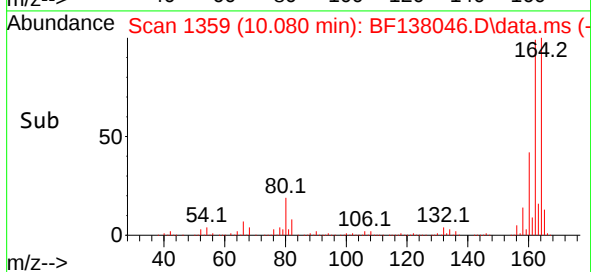
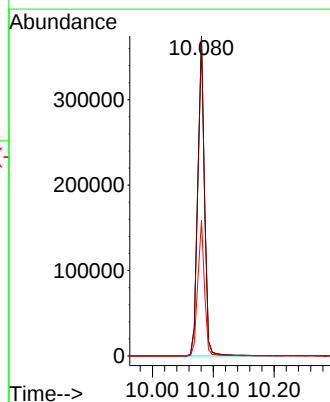
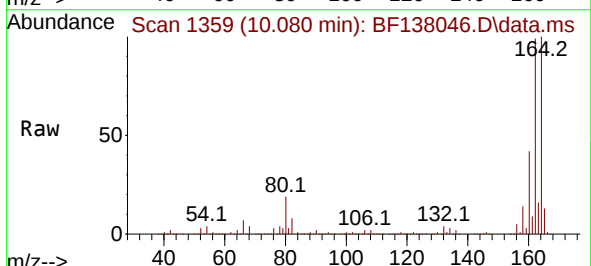


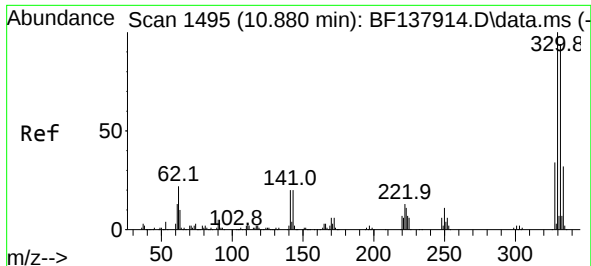
Tgt Ion: 82 Resp: 700174
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

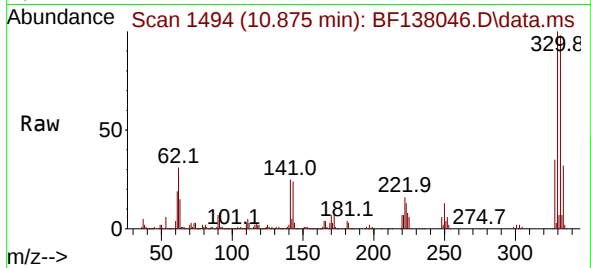
Tgt Ion:164 Resp: 286231
Ion Ratio Lower Upper
164 100
162 99.3 79.4 119.2
160 42.3 33.1 49.7



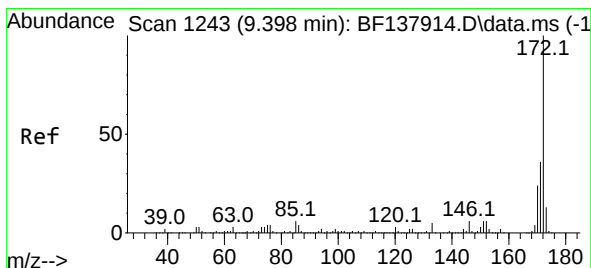
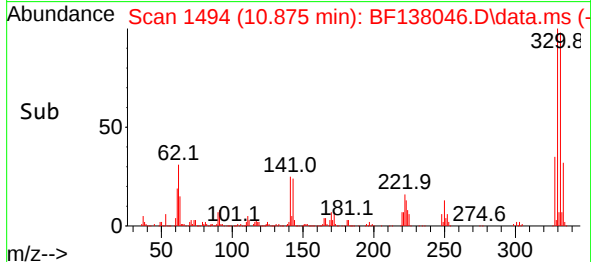
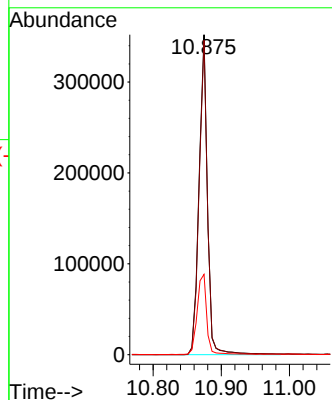


#42
2,4,6-Tribromophenol
Concen: 104.707 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Instrument :
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ClientSampleId :
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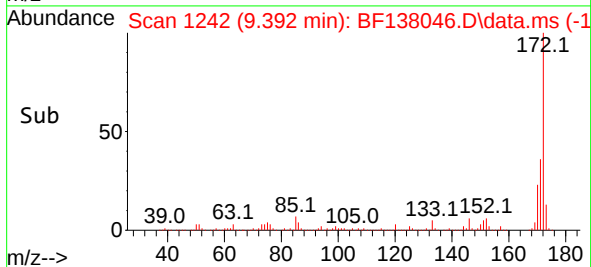
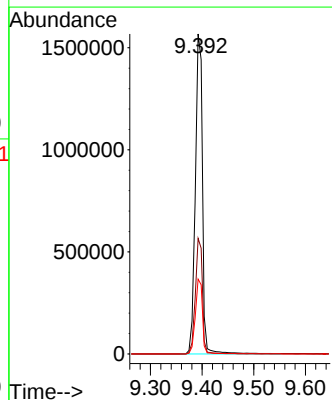
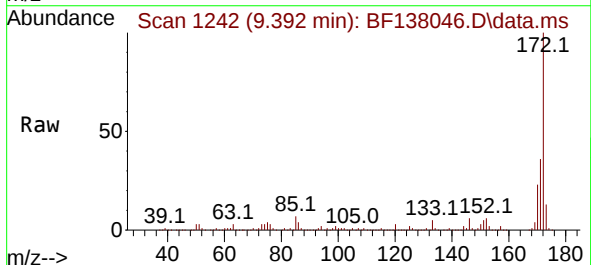


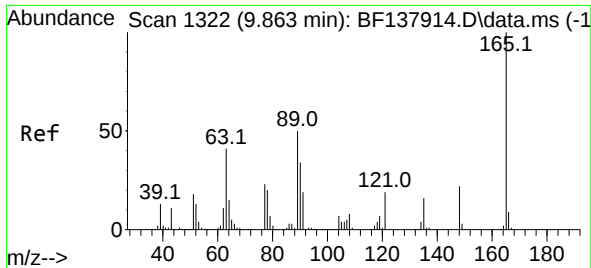
Tgt Ion:330 Resp: 302191
Ion Ratio Lower Upper
330 100
332 98.0 75.8 113.8
141 29.0 23.8 35.6



#45
2-Fluorobiphenyl
Concen: 81.043 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Tgt Ion:172 Resp: 1505921
Ion Ratio Lower Upper
172 100
171 36.1 28.9 43.3
170 23.4 18.9 28.3

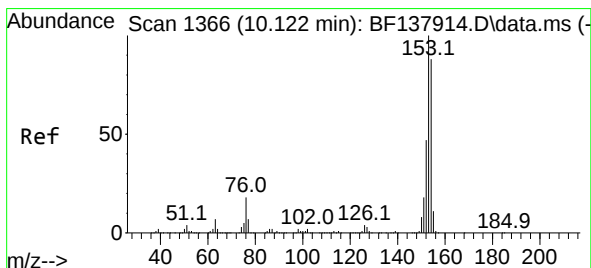
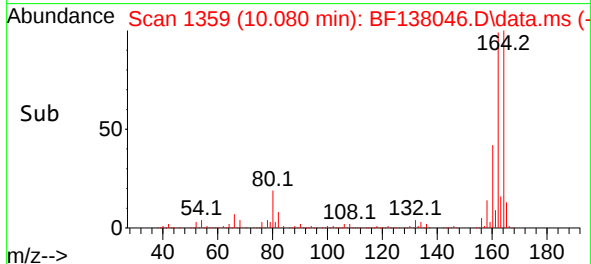
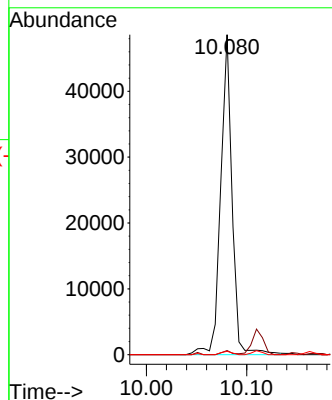
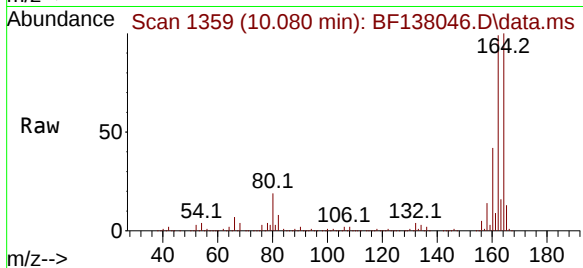




#51
2,6-Dinitrotoluene
Concen: 9.273 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.218 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

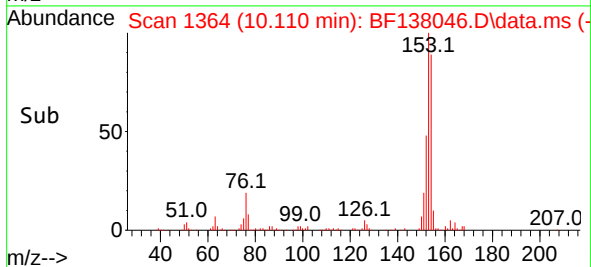
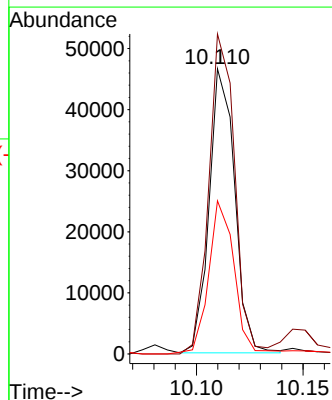
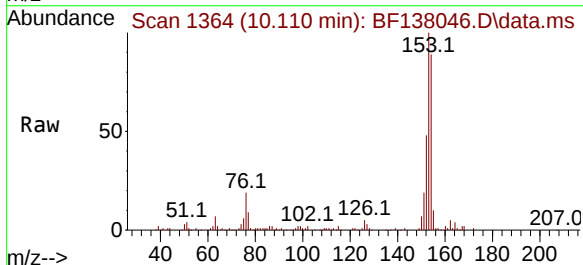
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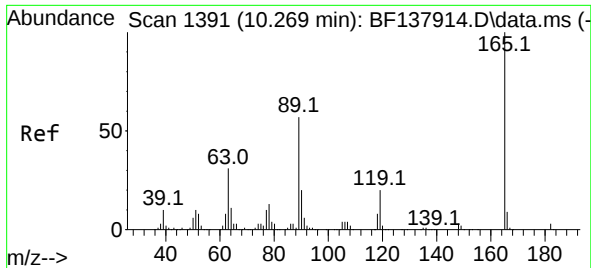
Tgt Ion:165 Resp: 38201
Ion Ratio Lower Upper
165 100
63 1.3 38.9 58.3#
89 1.0 40.4 60.6#



#52
Acenaphthene
Concen: 2.552 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Tgt Ion:154 Resp: 38867
Ion Ratio Lower Upper
154 100
153 112.2 90.4 135.6
152 53.7 42.3 63.5

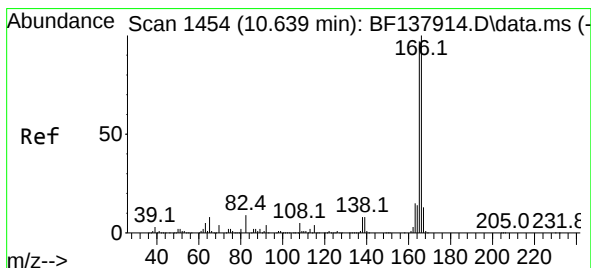
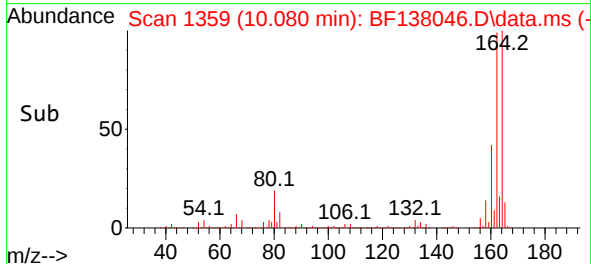
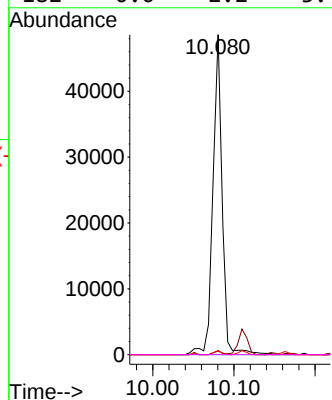
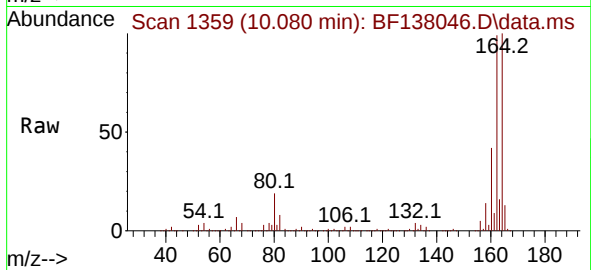




#57
2,4-Dinitrotoluene
Concen: 7.197 ng
RT: 10.080 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

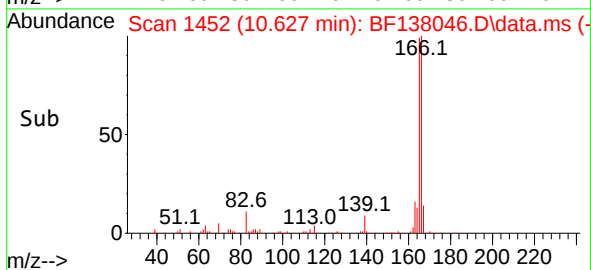
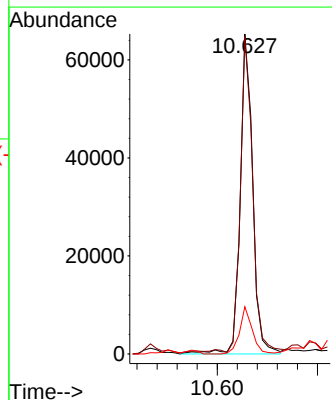
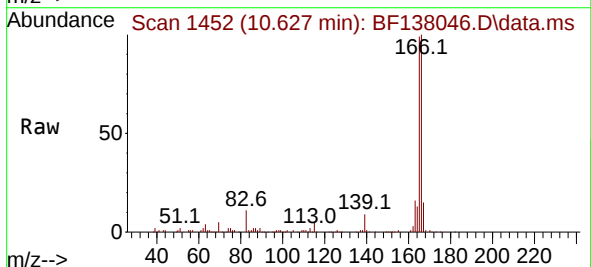
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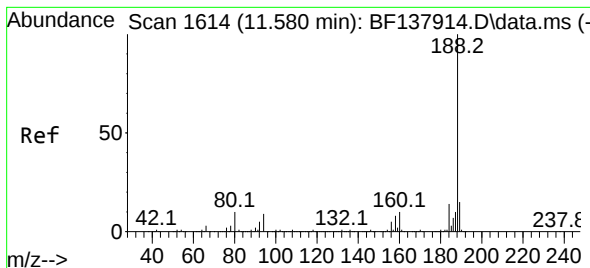
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Ion Ratio Lower Upper
165 100
63 1.3 25.3 37.9#
89 1.0 45.9 68.9#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: 3.222 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Tgt Ion:166 Resp: 56481
Ion Ratio Lower Upper
166 100
165 99.2 77.8 116.8
167 14.7 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

RBR251686

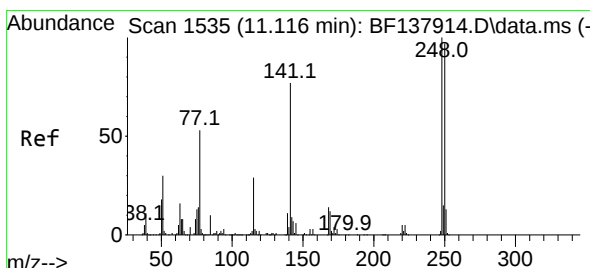
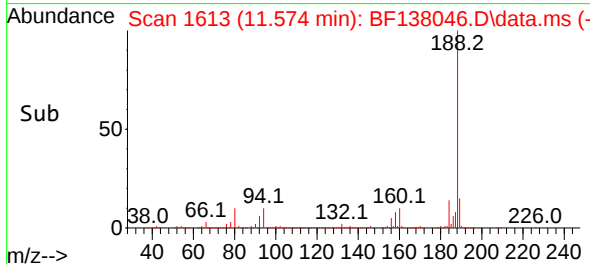
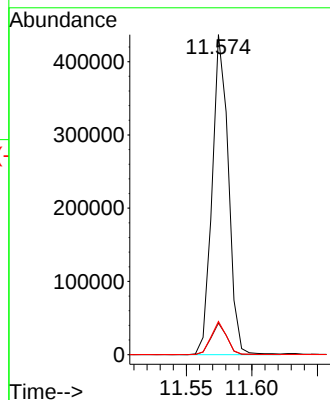
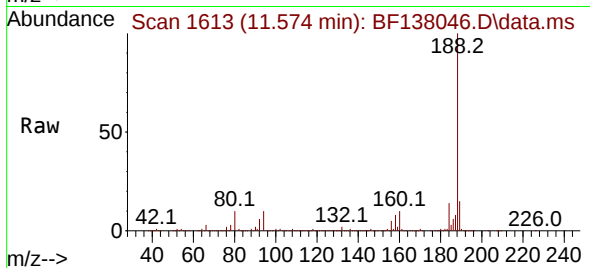
Tgt Ion:188 Resp: 376773

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.4

80 10.4 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.734 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

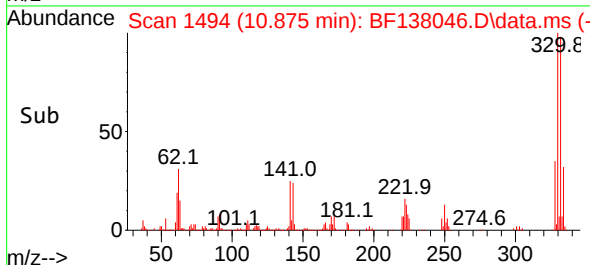
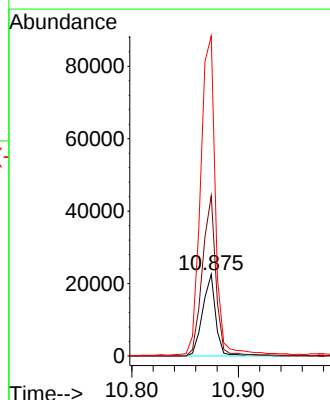
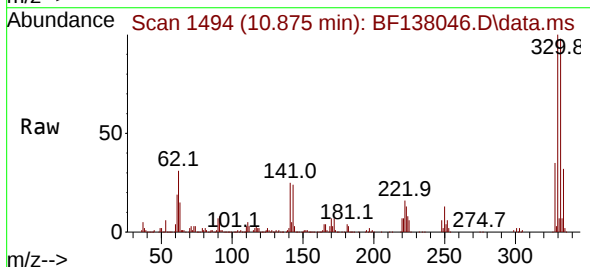
Tgt Ion:248 Resp: 19553

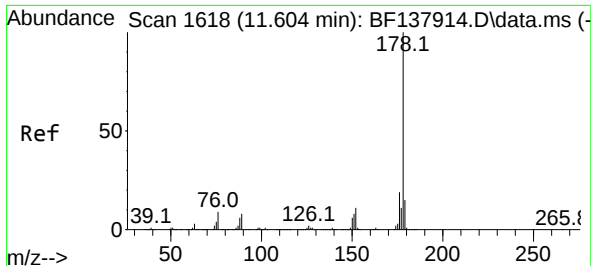
Ion Ratio Lower Upper

248 100

250 196.4 77.6 116.4#

141 392.5 61.4 92.2#

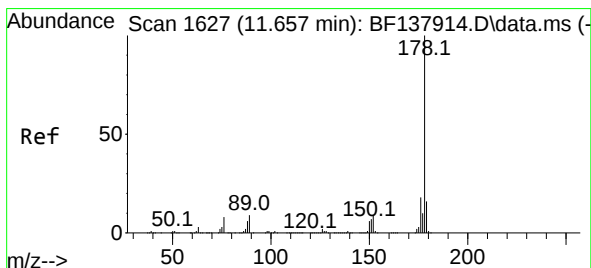
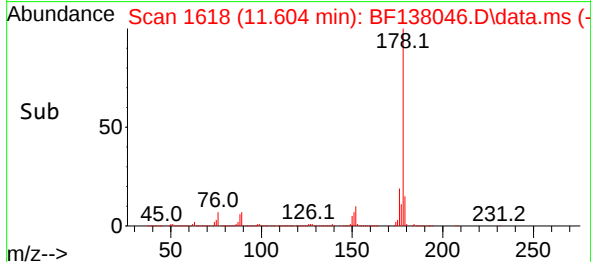
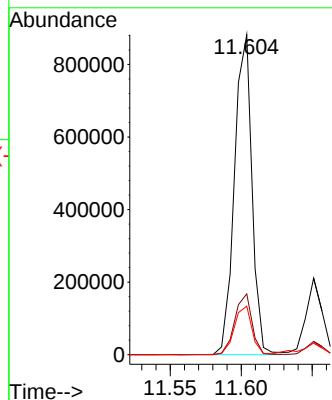
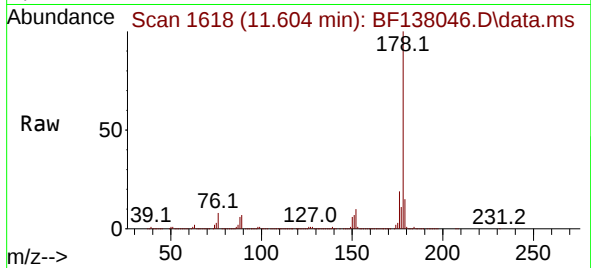




#71
Phenanthrene
Concen: 40.851 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

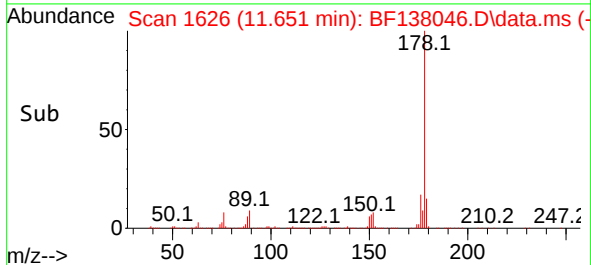
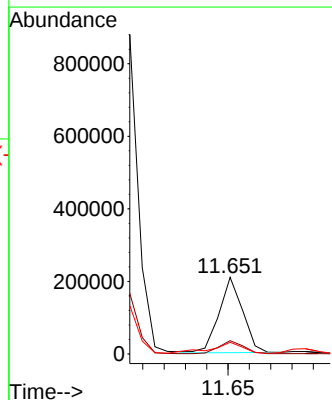
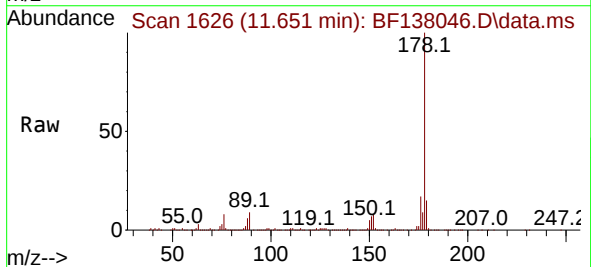
Instrument :
BNA_F
ClientSampleId :
RBR251686

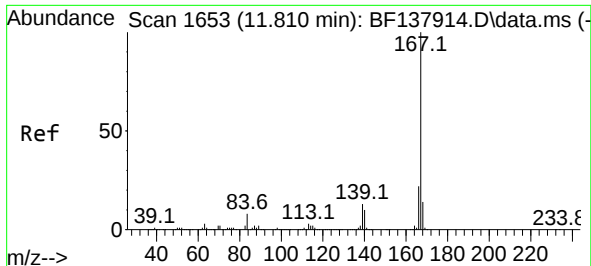
Tgt Ion:178 Resp: 758481
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.1 12.2 18.4



#72
Anthracene
Concen: 8.745 ng
RT: 11.651 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Tgt Ion:178 Resp: 161108
Ion Ratio Lower Upper
178 100
176 17.3 14.7 22.1
179 15.2 12.4 18.6

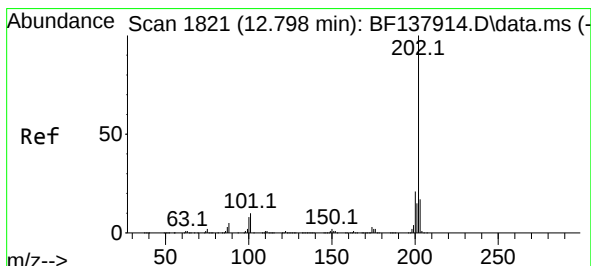
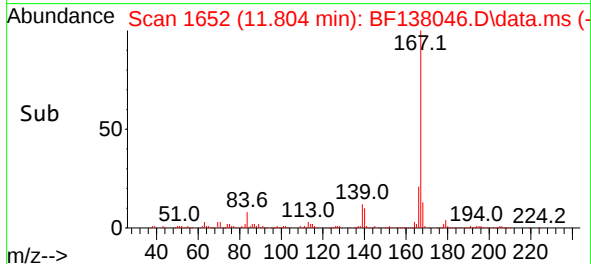
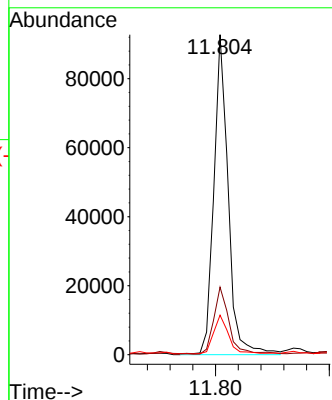
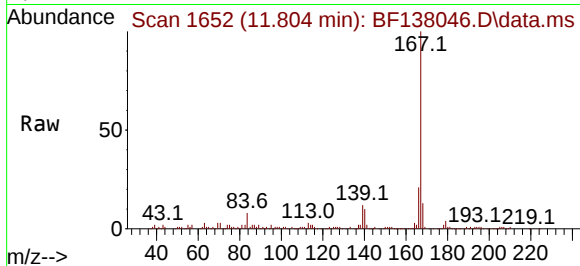




#73
 Carbazole
 Concen: 4.841 ng
 RT: 11.804 min Scan# 1652
 Delta R.T. -0.006 min
 Lab File: BF138046.D
 Acq: 28 May 2024 14:39

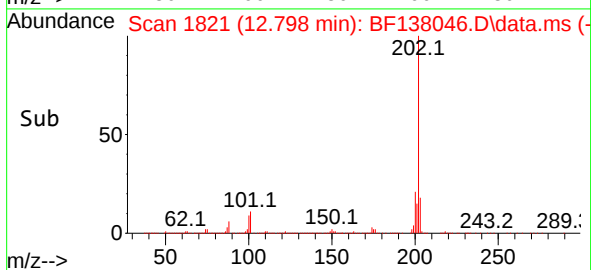
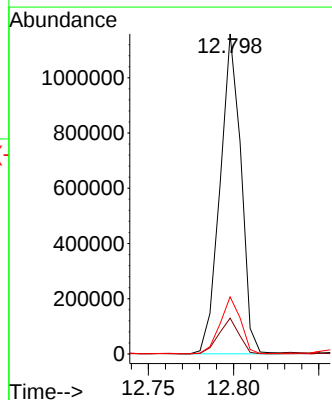
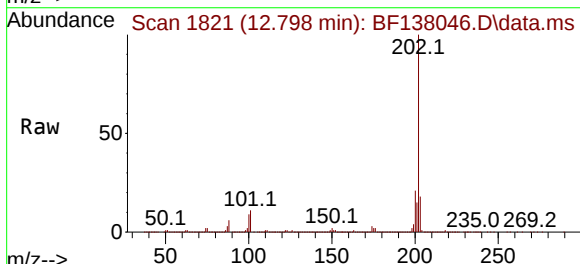
Instrument :
 BNA_F
 ClientSampleId :
 RBR251686

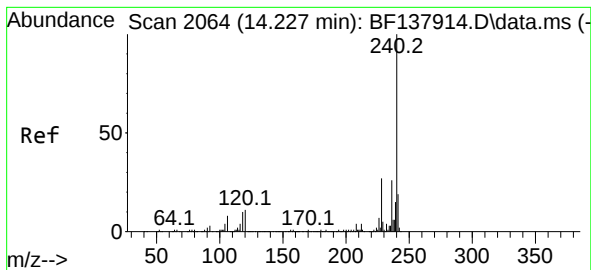
Tgt Ion:167	Resp:	81463
Ion Ratio	Lower	Upper
167	100	
166	21.1	17.3 25.9
139	12.4	10.3 15.5



#75
 Fluoranthene
 Concen: 52.430 ng
 RT: 12.798 min Scan# 1821
 Delta R.T. 0.000 min
 Lab File: BF138046.D
 Acq: 28 May 2024 14:39

Tgt Ion:202	Resp:	988091
Ion Ratio	Lower	Upper
202	100	
101	11.2	0.0 30.5
203	17.8	0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.233 min Scan# 2065

Delta R.T. 0.006 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

RBR251686

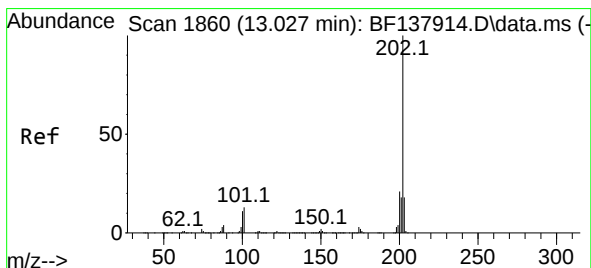
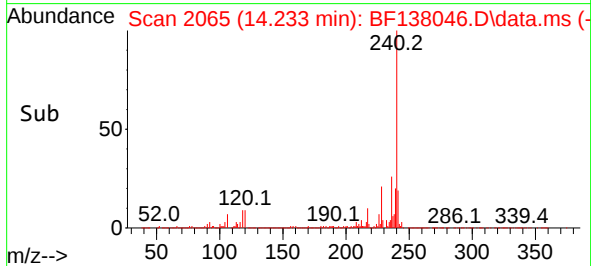
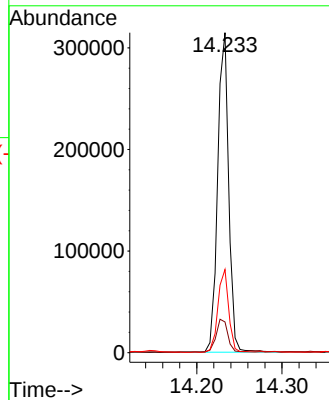
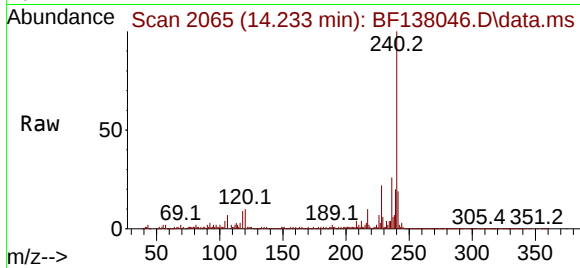
Tgt Ion:240 Resp: 282134

Ion Ratio Lower Upper

240 100

120 9.6 8.9 13.3

236 26.0 21.0 31.4



#78

Pyrene

Concen: 35.212 ng

RT: 13.033 min Scan# 1861

Delta R.T. 0.006 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

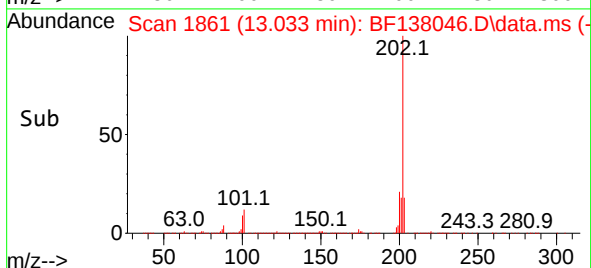
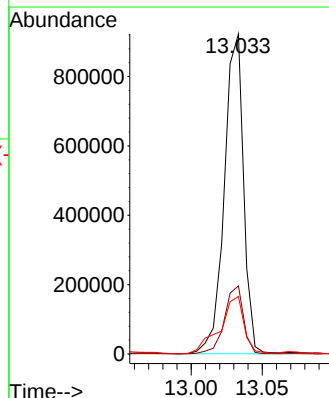
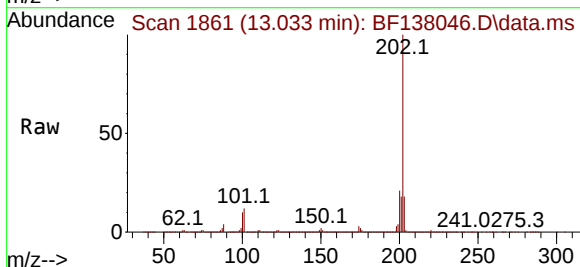
Tgt Ion:202 Resp: 868918

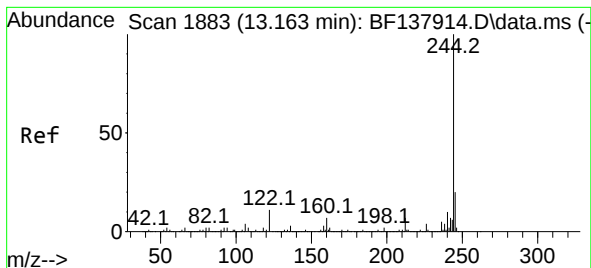
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 18.0 14.1 21.1





#79

Terphenyl-d14

Concen: 61.079 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

RBR251686

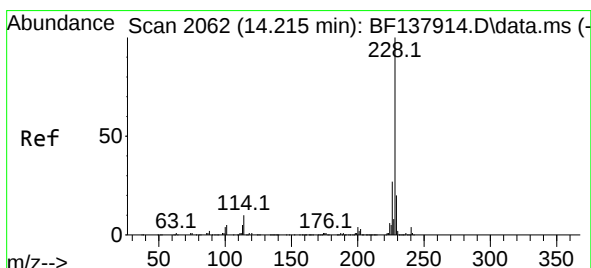
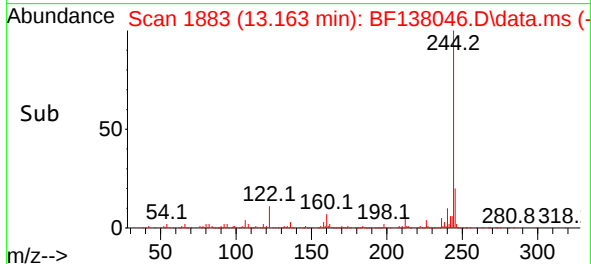
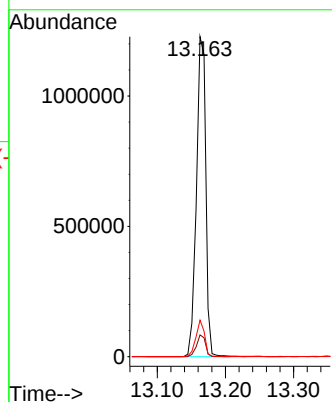
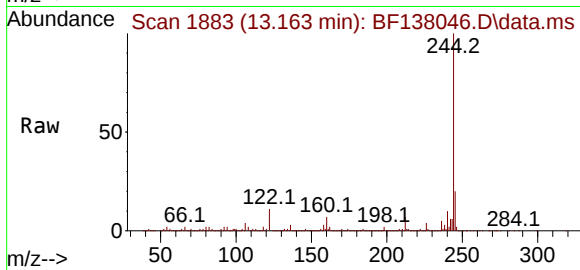
Tgt Ion:244 Resp: 1169255

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.4 8.8 13.2



#81

Benzo(a)anthracene

Concen: 26.576 ng

RT: 14.221 min Scan# 2063

Delta R.T. 0.006 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

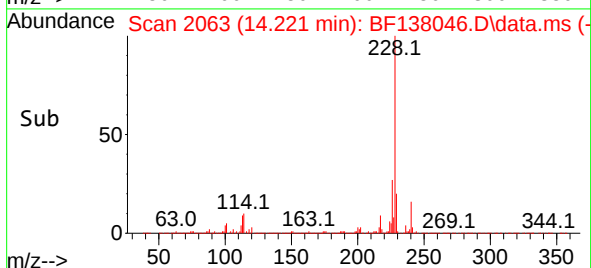
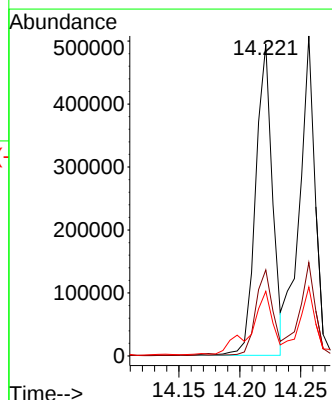
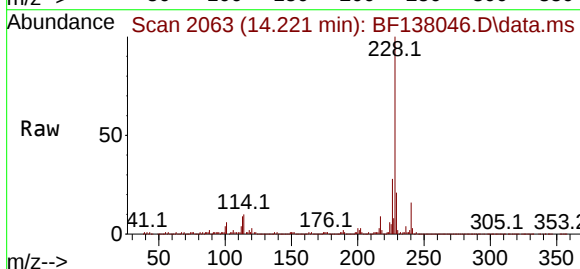
Tgt Ion:228 Resp: 474366

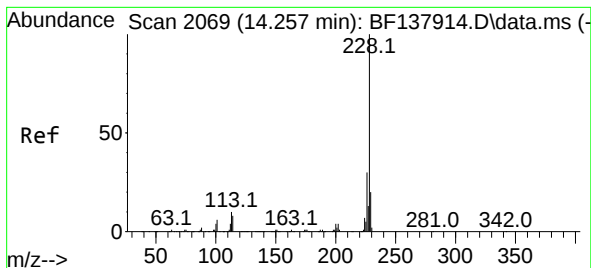
Ion Ratio Lower Upper

228 100

226 27.6 21.3 31.9

229 20.7 15.7 23.5





#83

Chrysene

Concen: 24.877 ng

RT: 14.257 min Scan# 2069

Delta R.T. 0.000 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

RBR251686

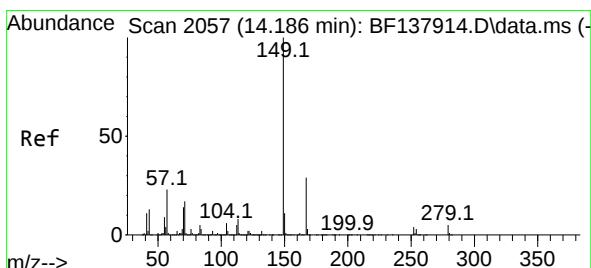
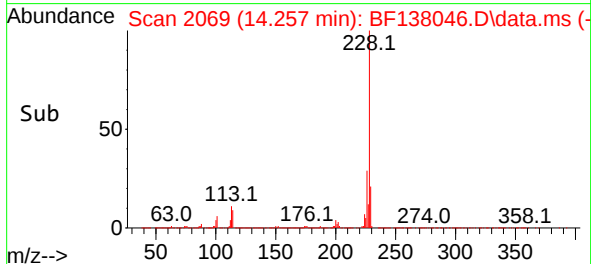
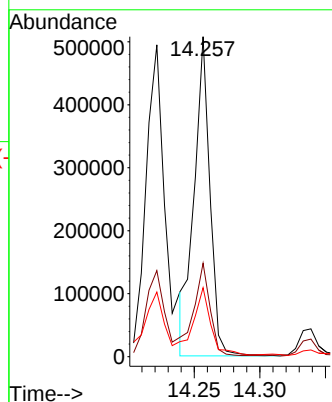
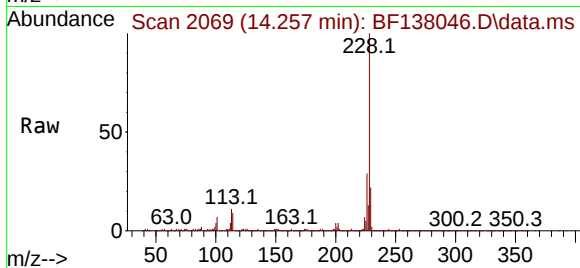
Tgt Ion:228 Resp: 424664

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.8

229 21.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.703 ng

RT: 14.186 min Scan# 2057

Delta R.T. 0.000 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

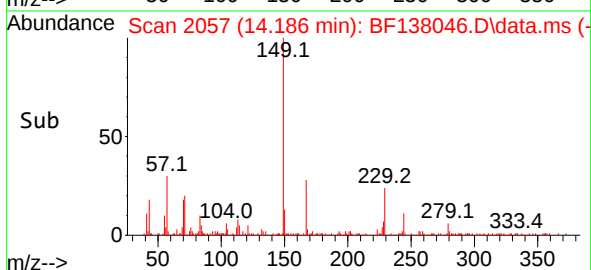
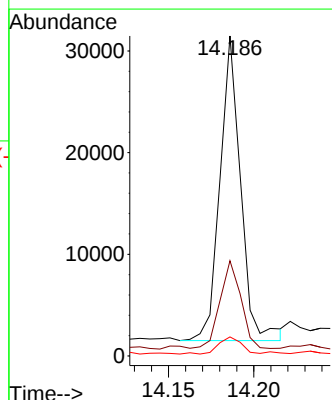
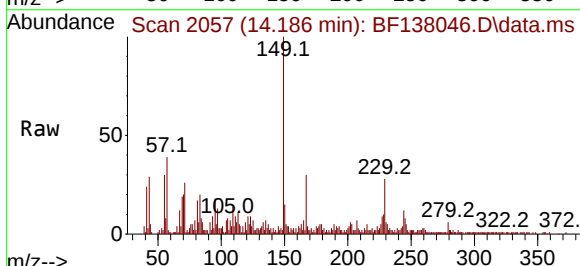
Tgt Ion:149 Resp: 25290

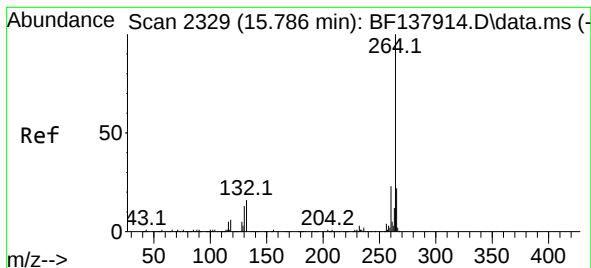
Ion Ratio Lower Upper

149 100

167 29.8 23.2 34.8

279 5.9 4.1 6.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

RBR251686

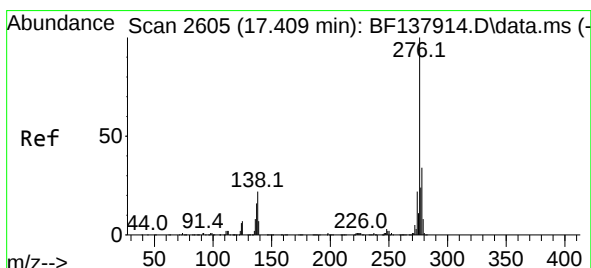
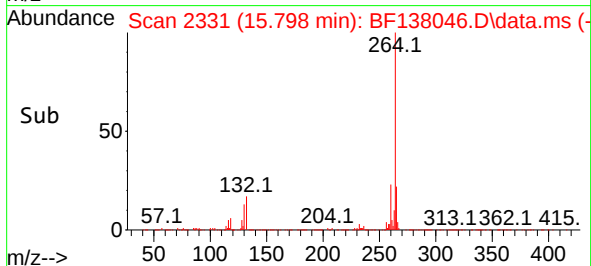
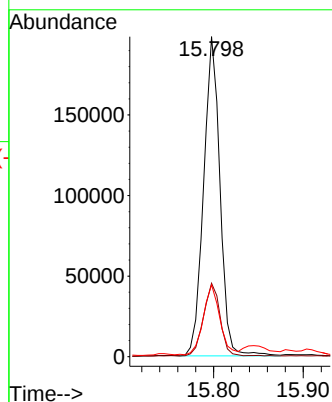
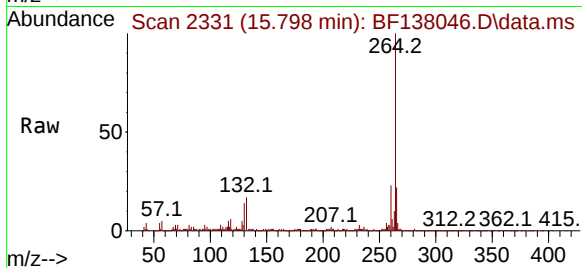
Tgt Ion:264 Resp: 250803

Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 22.4 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.315 ng

RT: 17.421 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

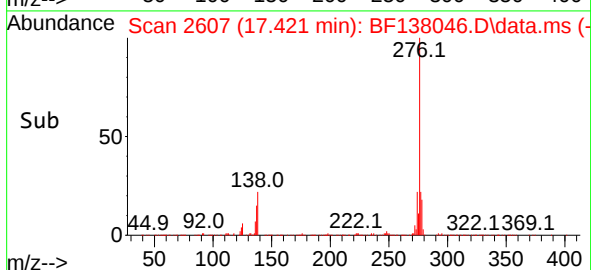
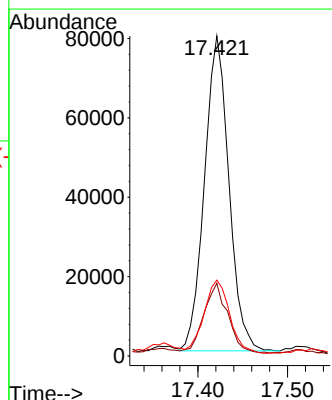
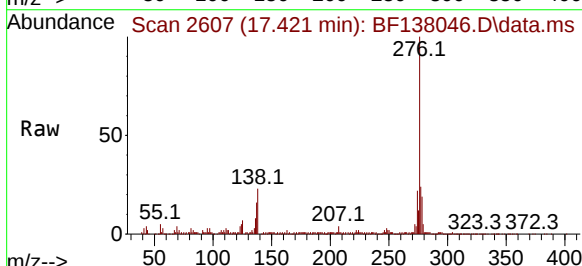
Tgt Ion:276 Resp: 150104

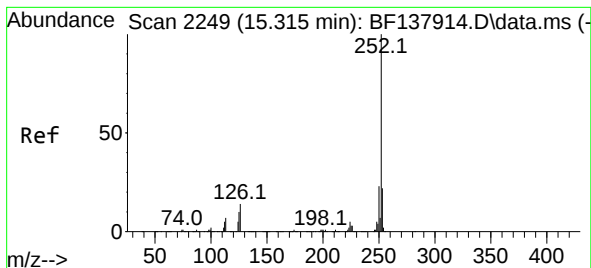
Ion Ratio Lower Upper

276 100

138 21.6 20.6 30.8

277 24.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 44.027 ng

RT: 15.327 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

RBR251686

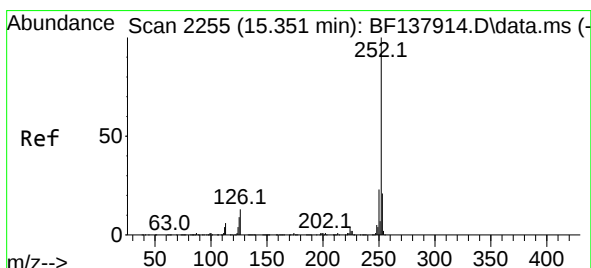
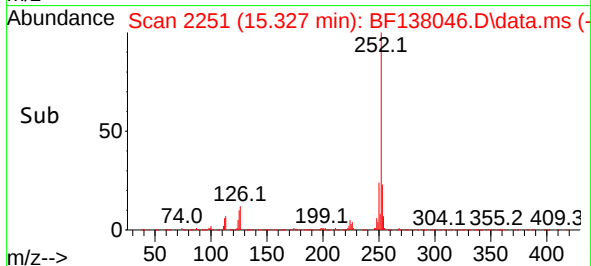
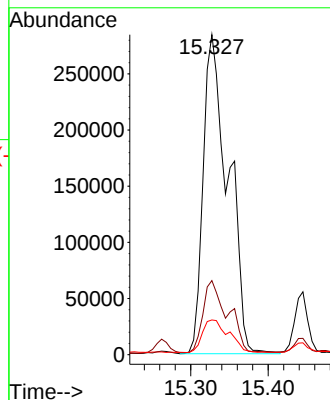
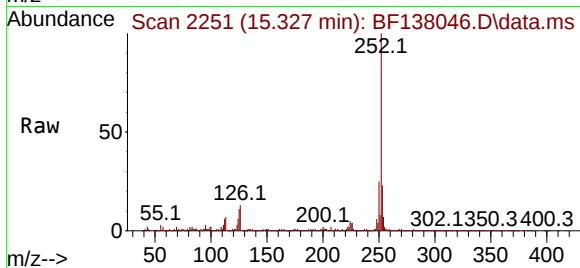
Tgt Ion:252 Resp: 639342

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 10.9 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 44.815 ng

RT: 15.327 min Scan# 2251

Delta R.T. -0.024 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

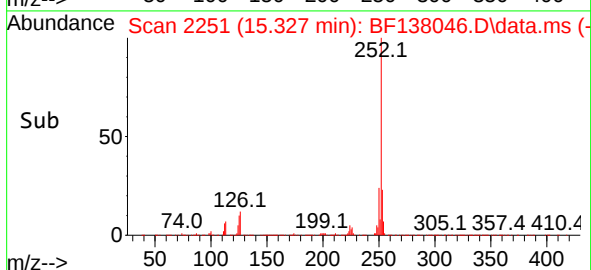
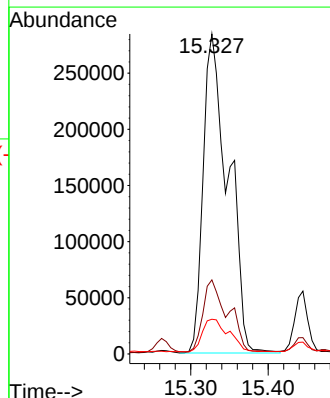
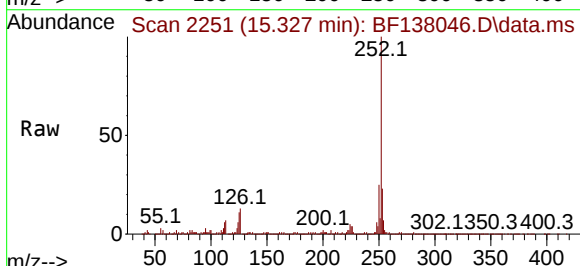
Tgt Ion:252 Resp: 639342

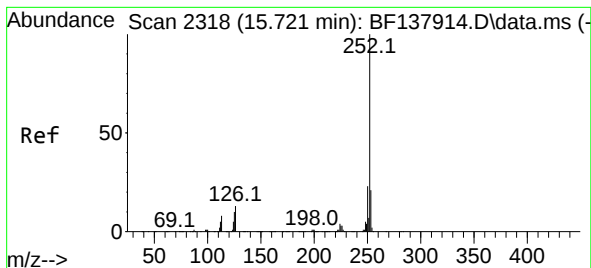
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 10.9 7.7 11.5





#90

Benzo(a)pyrene

Concen: 25.063 ng

RT: 15.727 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

RBR251686

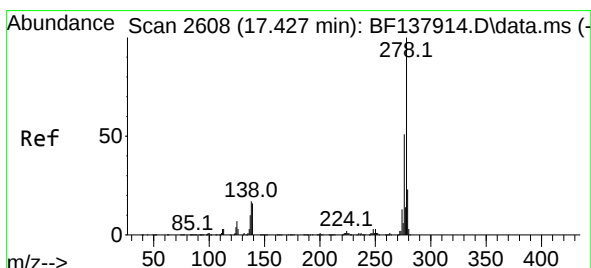
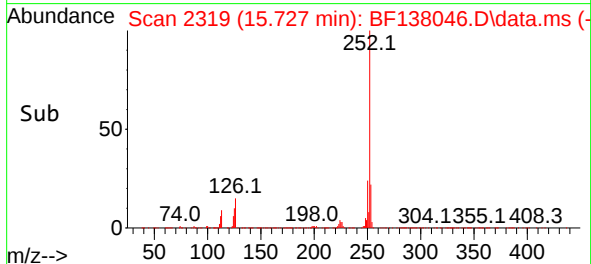
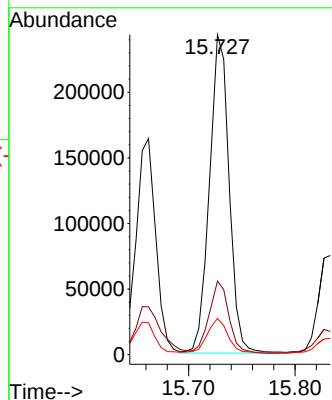
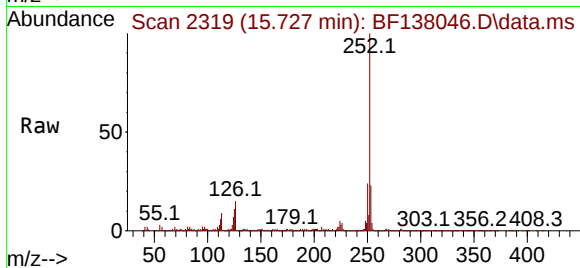
Tgt Ion:252 Resp: 310788

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

125 11.3 7.8 11.8



#91

Dibenzo(a,h)anthracene

Concen: 2.312 ng

RT: 17.627 min Scan# 2642

Delta R.T. 0.200 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

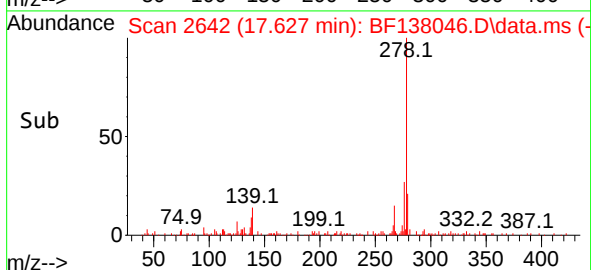
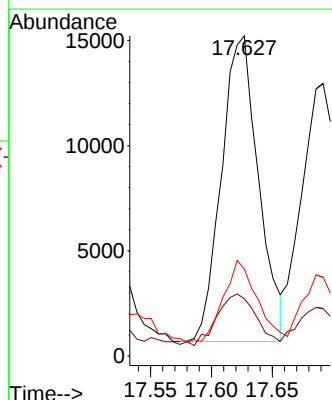
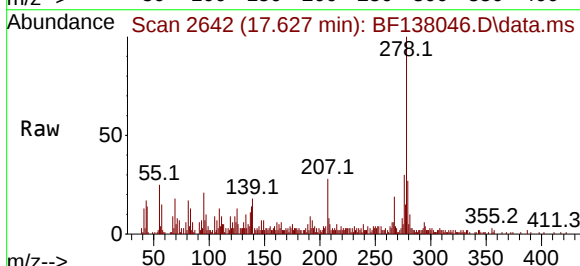
Tgt Ion:278 Resp: 30785

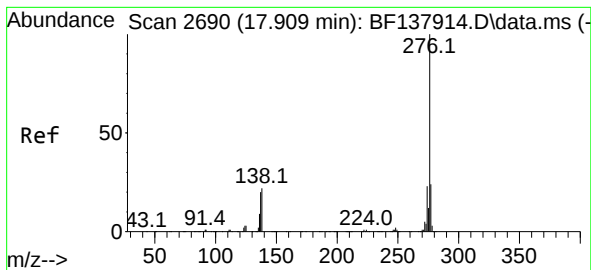
Ion Ratio Lower Upper

278 100

139 17.9 13.1 19.7

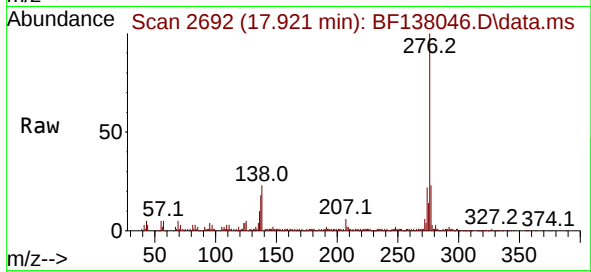
279 27.1 18.5 27.7





#92
Benzo(g,h,i)perylene
Concen: 10.126 ng
RT: 17.921 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Instrument :
BNA_F
ClientSampleId :
RBR251686



Tgt Ion:276 Resp: 141619
Ion Ratio Lower Upper
276 100
277 22.9 18.9 28.3
138 23.0 17.6 26.4

