

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137991.D
 Acq On : 21 May 2024 21:45
 Operator : CG\JU
 Sample : P2519-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2COMP(0-8)

Quant Time: May 22 01:32:59 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)

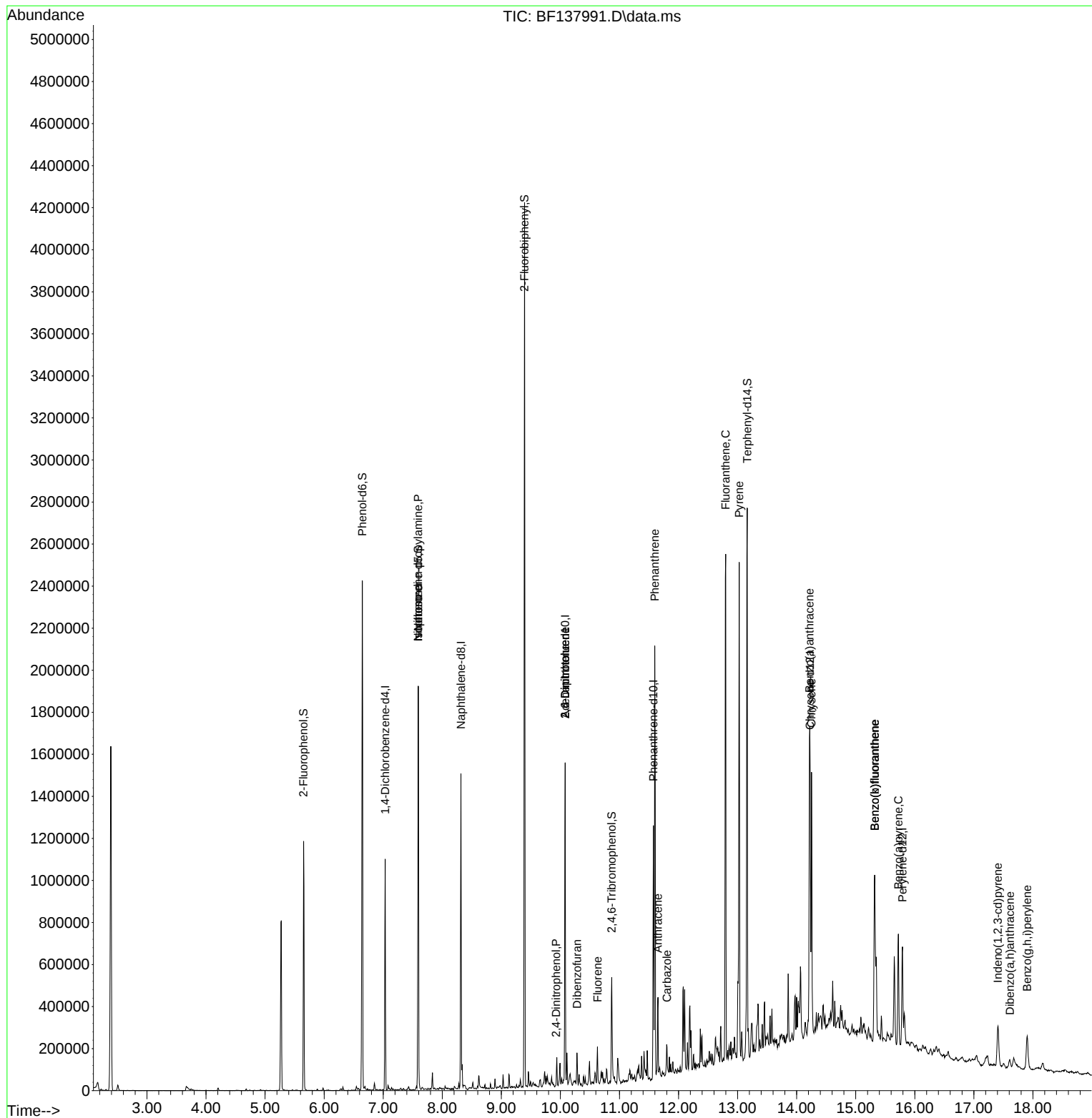
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	152455	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	584331	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	308084	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	421273	20.000	ng	0.00
76) Chrysene-d12	14.227	240	303179	20.000	ng	0.00
86) Perylene-d12	15.792	264	228838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	326985	36.432	ng	-0.01
7) Phenol-d6	6.646	99	917719	83.007	ng	-0.01
23) Nitrobenzene-d5	7.593	82	594117	59.836	ng	-0.02
42) 2,4,6-Tribromophenol	10.869	330	47397	15.258	ng	-0.01
45) 2-Fluorobiphenyl	9.392	172	1219071	60.952	ng	0.00
79) Terphenyl-d14	13.163	244	938886	45.641	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.593	70	81234	13.078	ng	# 74
25) Isophorone	7.593	82	594925	34.523	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	41836	9.435	ng	# 29
54) 2,4-Dinitrophenol	9.928	184	70	6.994	ng	# 1
55) Dibenzofuran	10.281	168	49725	2.084	ng	98
57) 2,4-Dinitrotoluene	10.081	165	41836	7.298	ng	# 33
58) Fluorene	10.628	166	42045	2.228	ng	98
71) Phenanthrene	11.598	178	707997	34.104	ng	99
72) Anthracene	11.651	178	143466	6.965	ng	99
73) Carbazole	11.804	167	54921	2.919	ng	100
75) Fluoranthene	12.798	202	1013080	48.078	ng	99
78) Pyrene	13.027	202	906175	34.173	ng	100
81) Benzo(a)anthracene	14.216	228	493061	25.706	ng	96
83) Chrysene	14.251	228	452236	24.653	ng	98
87) Indeno(1,2,3-cd)pyrene	17.404	276	138725	9.436	ng	96
88) Benzo(b)fluoranthene	15.321	252	618200	46.657	ng	99
89) Benzo(k)fluoranthene	15.321	252	618200	47.493	ng	98
90) Benzo(a)pyrene	15.721	252	267131	23.611	ng	98
91) Dibenzo(a,h)anthracene	17.610	278	27280	2.246	ng	95
92) Benzo(g,h,i)perylene	17.904	276	137231	10.754	ng	98

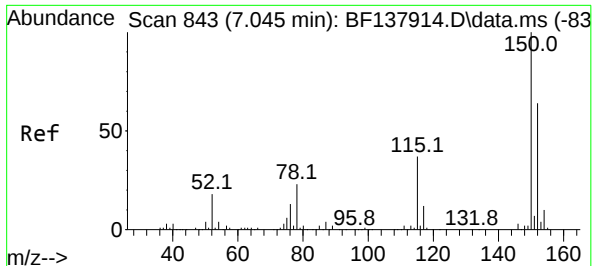
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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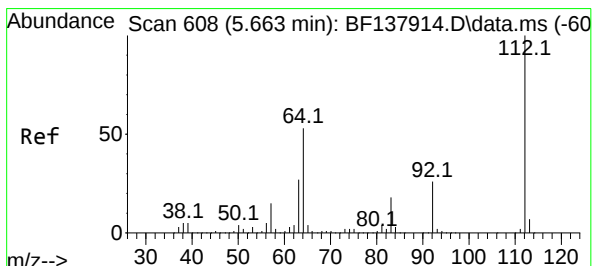
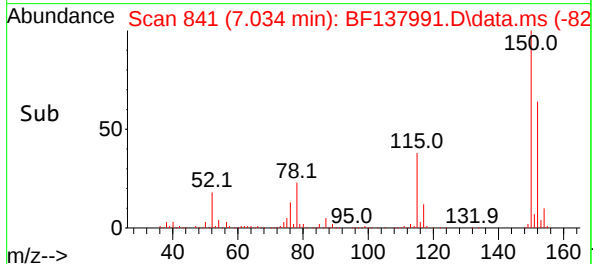
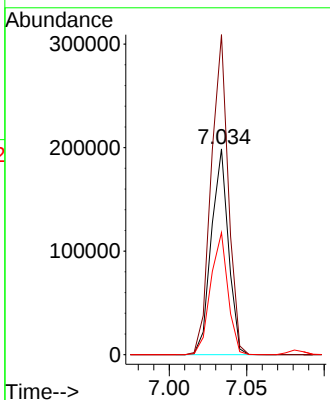
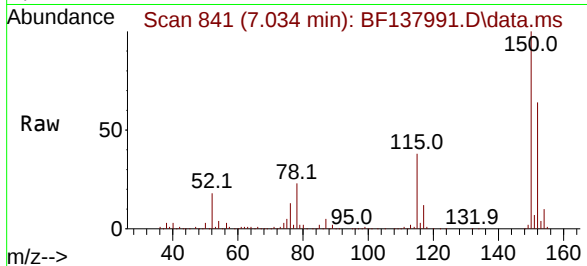




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

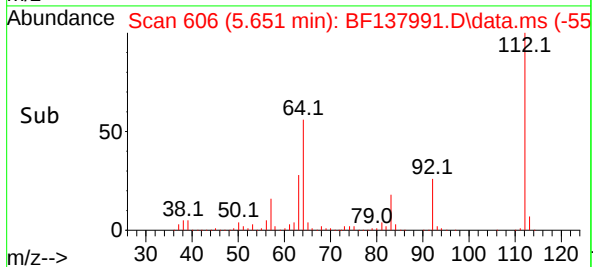
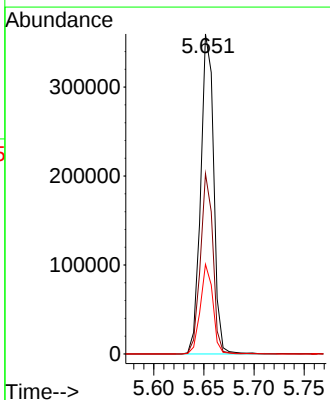
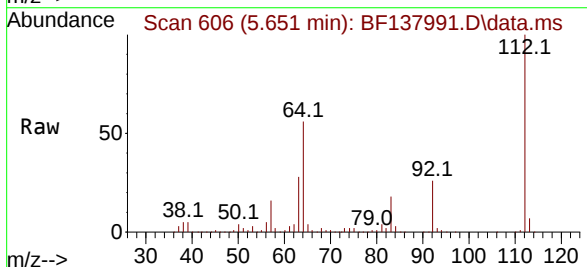
Instrument :
BNA_F
ClientSampleId :
B2COMP(0-8)

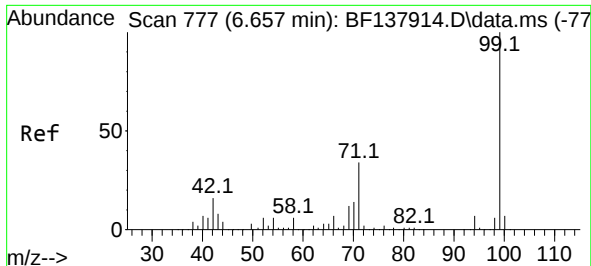
Tgt Ion:152 Resp: 152455
Ion Ratio Lower Upper
152 100
150 155.6 125.7 188.5
115 59.3 47.0 70.6



#5
2-Fluorophenol
Concen: 36.432 ng
RT: 5.651 min Scan# 606
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Tgt Ion:112 Resp: 326985
Ion Ratio Lower Upper
112 100
64 56.4 42.4 63.6
63 28.0 21.4 32.2

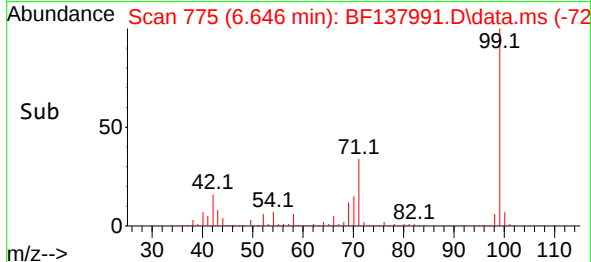
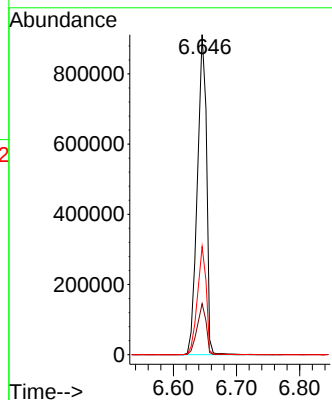
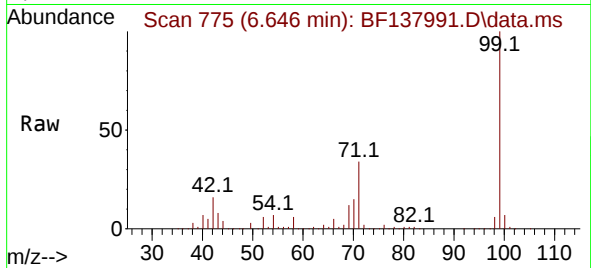




#7
Phenol-d6
Concen: 83.007 ng
RT: 6.646 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

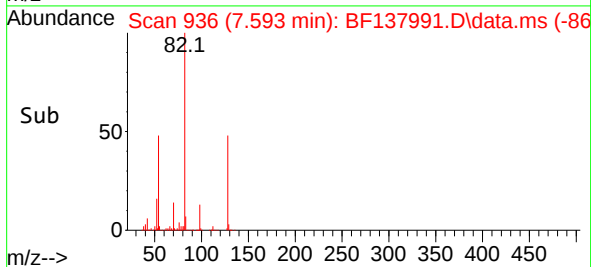
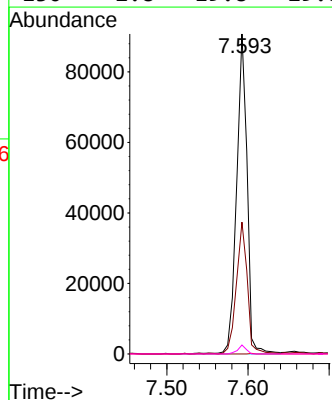
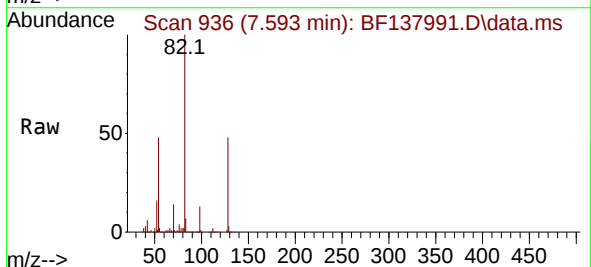
Instrument :
BNA_F
ClientSampleId :
B2COMP(0-8)

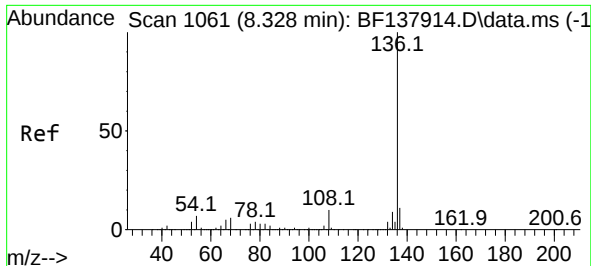
Tgt Ion: 99 Resp: 917719
Ion Ratio Lower Upper
99 100
42 15.9 12.6 18.8
71 33.8 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.078 ng
RT: 7.593 min Scan# 936
Delta R.T. 0.141 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Tgt Ion: 70 Resp: 81234
Ion Ratio Lower Upper
70 100
42 41.2 42.2 63.4#
101 0.0 8.8 13.2#
130 2.8 19.8 29.8#

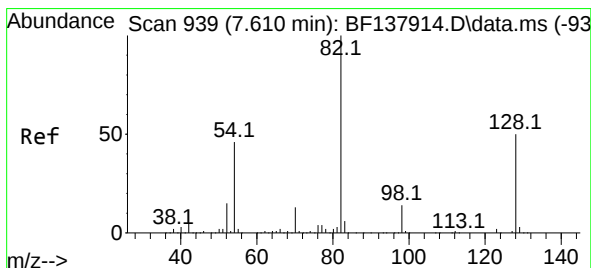
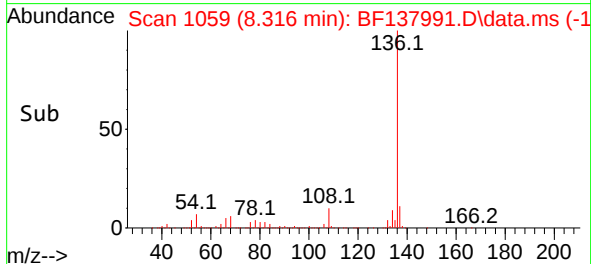
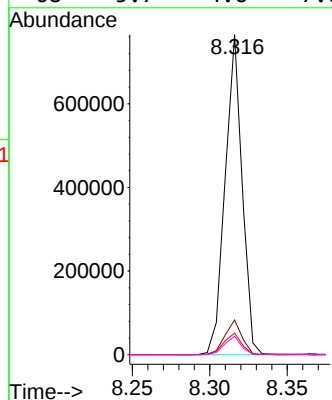
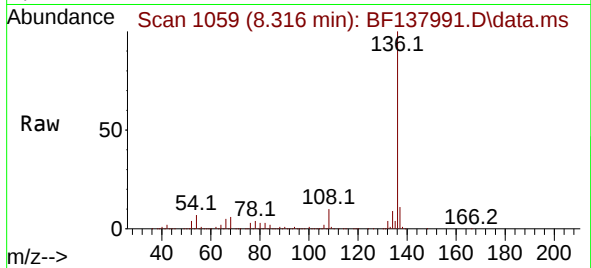




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

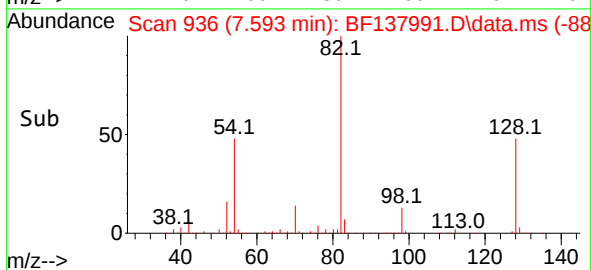
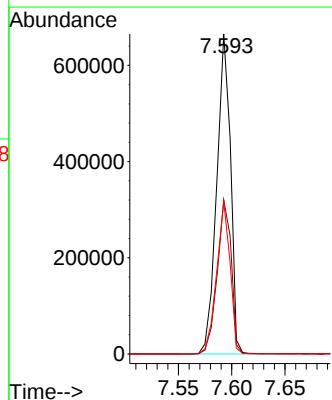
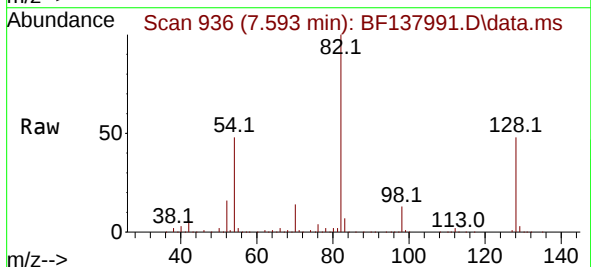
Instrument :
BNA_F
ClientSampleId :
B2COMP(0-8)

Tgt Ion:136 Resp: 584331
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.8 5.4 8.2
68 5.7 4.6 7.0



#23
Nitrobenzene-d5
Concen: 59.836 ng
RT: 7.593 min Scan# 936
Delta R.T. -0.017 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Tgt Ion: 82 Resp: 594117
Ion Ratio Lower Upper
82 100
128 48.1 40.3 60.5
54 47.7 36.8 55.2

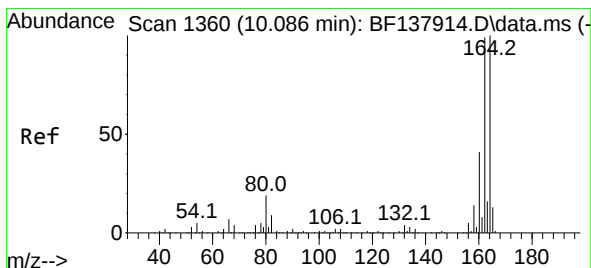
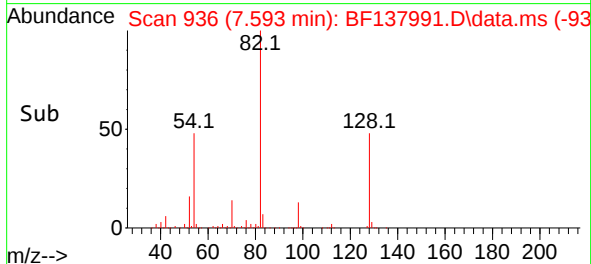
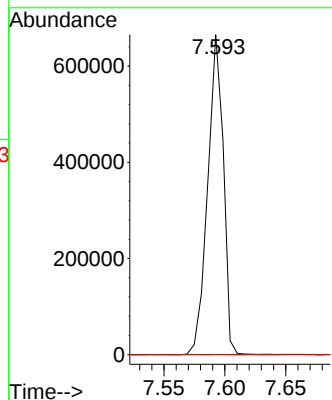
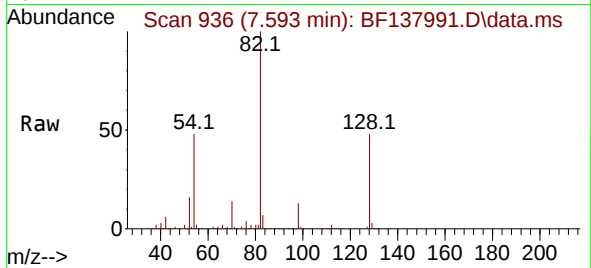




#25
Isophorone
Concen: 34.523 ng
RT: 7.593 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

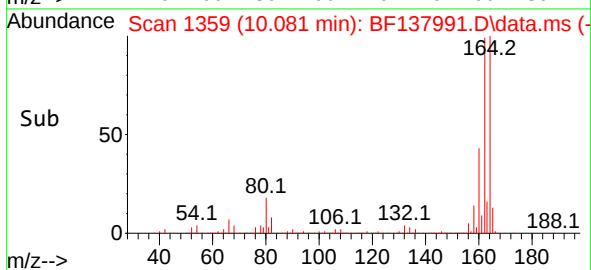
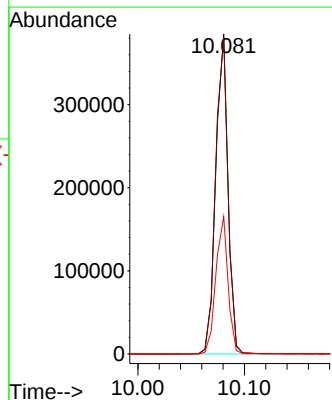
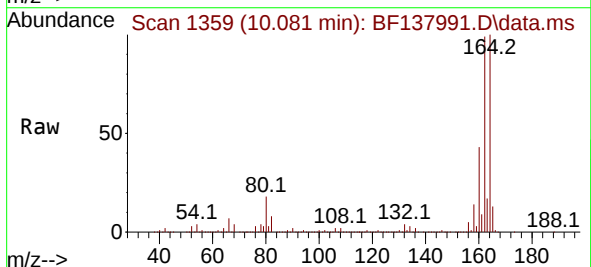
Instrument :
BNA_F
ClientSampleId :
B2COMP(0-8)

Tgt Ion: 82 Resp: 594925
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Tgt Ion:164 Resp: 308084
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.2
160 42.9 33.1 49.7

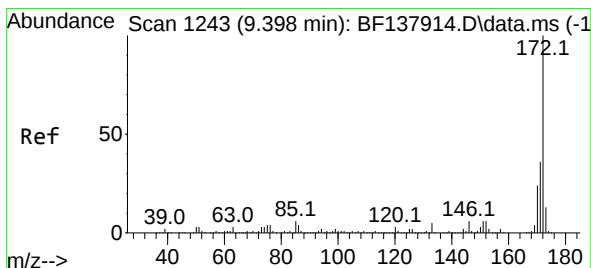
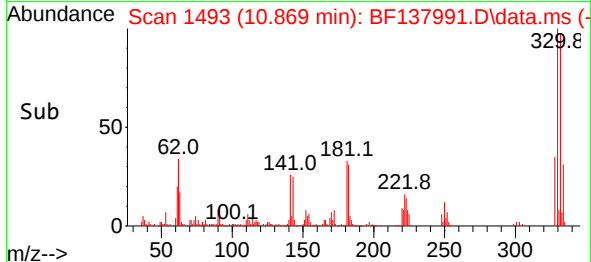
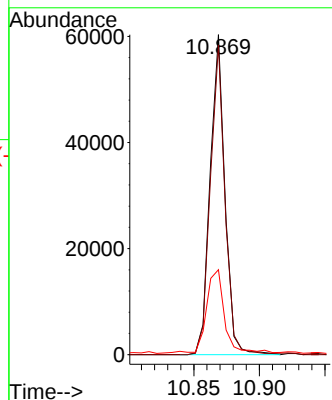
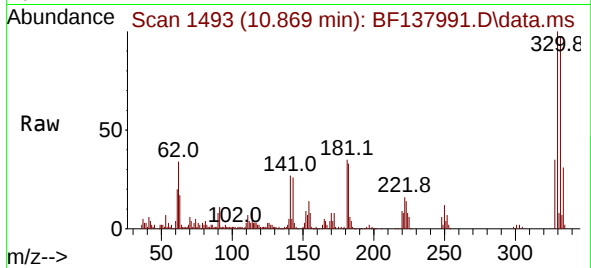




#42
2,4,6-Tribromophenol
Concen: 15.258 ng
RT: 10.869 min Scan# 1493
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

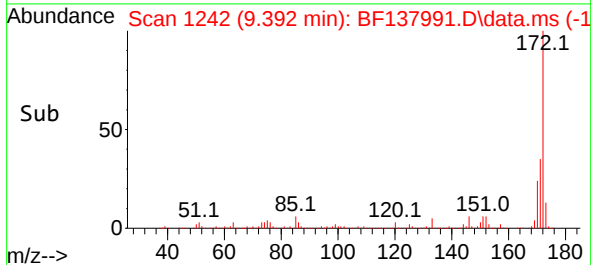
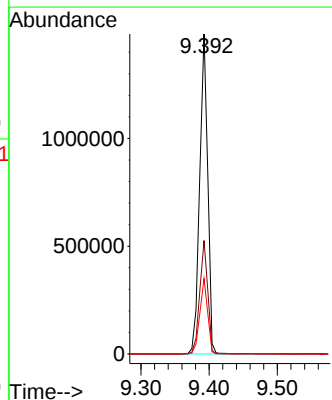
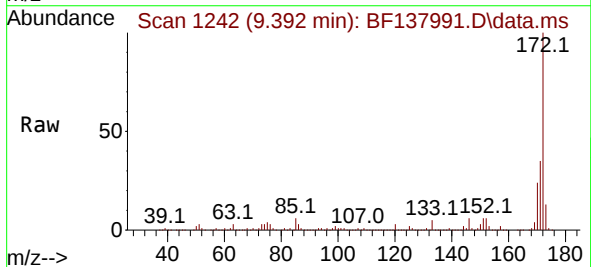
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BNA_F
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B2COMP(0-8)

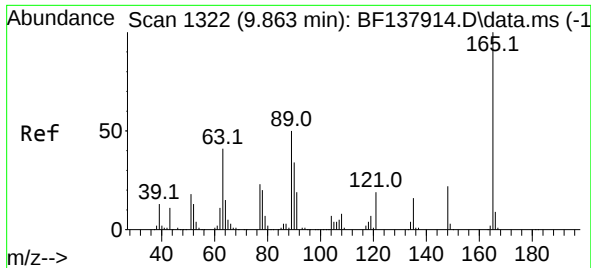
Tgt Ion:330 Resp: 47397
Ion Ratio Lower Upper
330 100
332 95.9 75.8 113.8
141 32.1 23.8 35.6



#45
2-Fluorobiphenyl
Concen: 60.952 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Tgt Ion:172 Resp: 1219071
Ion Ratio Lower Upper
172 100
171 35.5 28.9 43.3
170 23.6 18.9 28.3

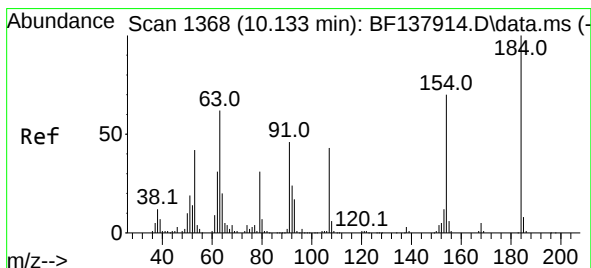
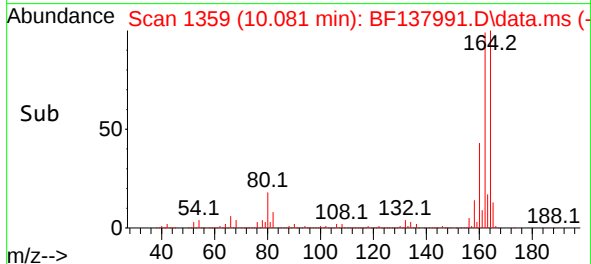
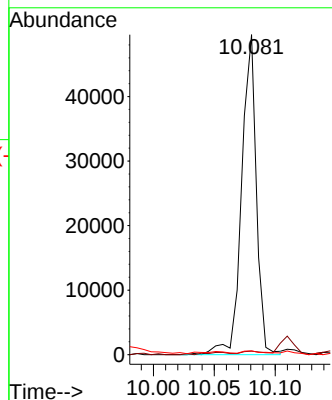
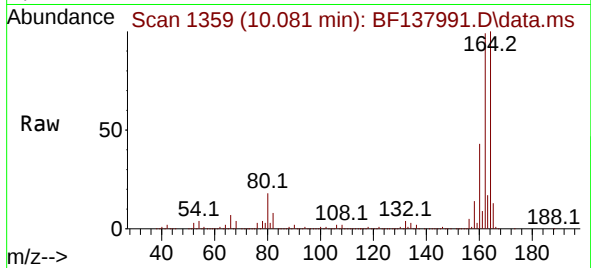




#51
2,6-Dinitrotoluene
Concen: 9.435 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

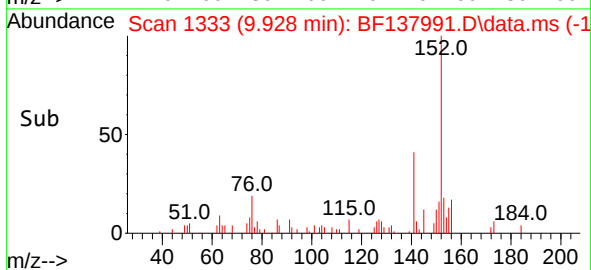
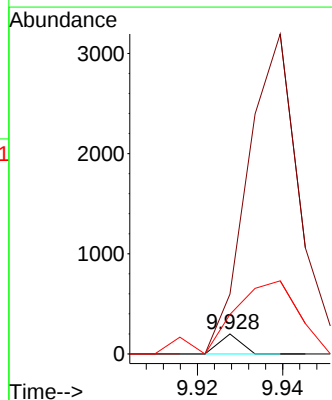
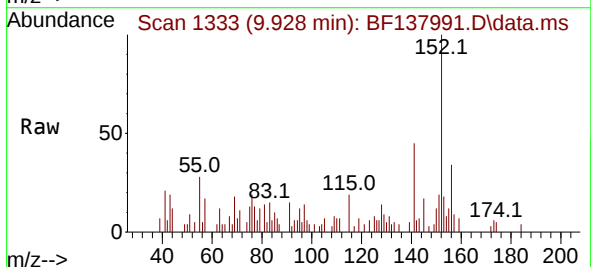
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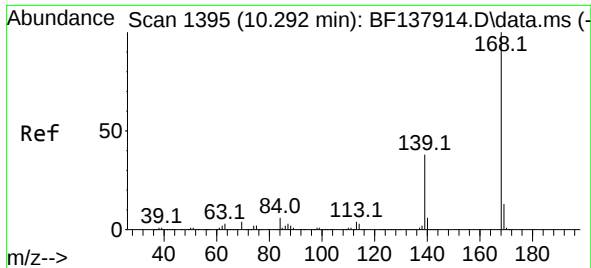
Tgt Ion:165 Resp: 41836
Ion Ratio Lower Upper
165 100
63 1.1 38.9 58.3#
89 1.2 40.4 60.6#



#54
2,4-Dinitrophenol
Concen: 6.994 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.205 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 300.0 50.4 75.6#
154 198.0 63.7 95.5#

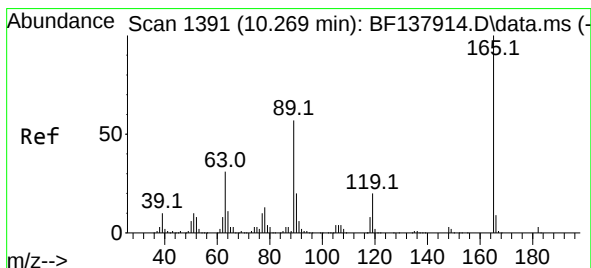
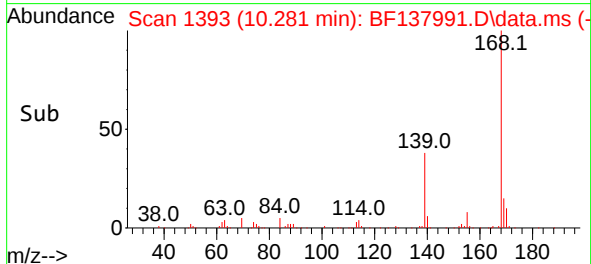
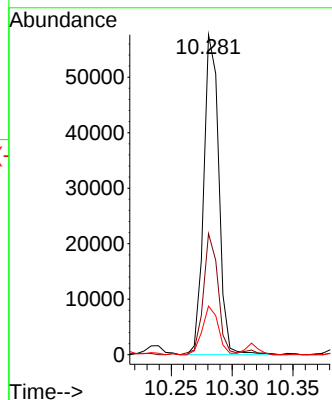
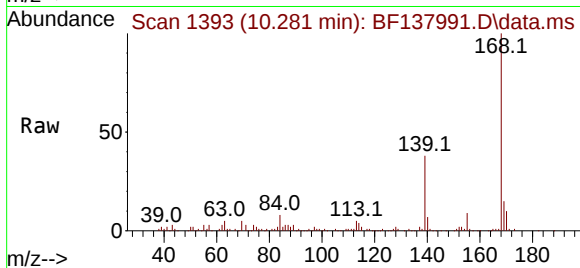




#55
Dibenzenofuran
Concen: 2.084 ng
RT: 10.281 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

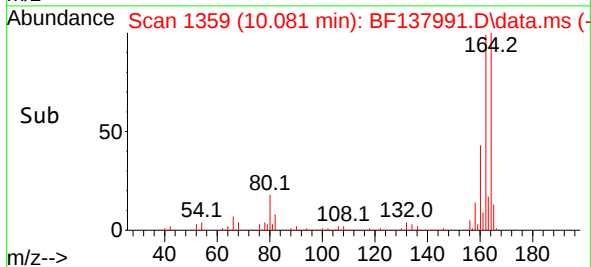
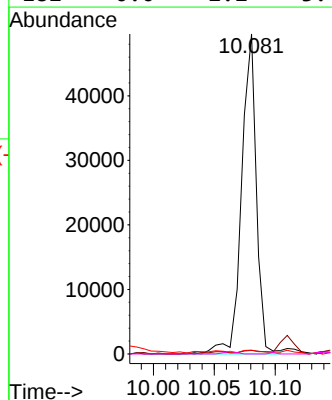
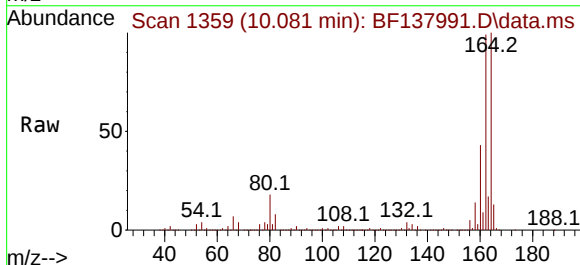
Instrument :
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B2COMP(0-8)

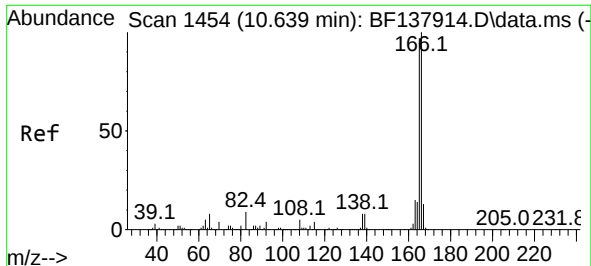
Tgt Ion:168 Resp: 49725
Ion Ratio Lower Upper
168 100
139 37.8 30.4 45.6
169 15.2 10.5 15.7



#57
2,4-Dinitrotoluene
Concen: 7.298 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Tgt Ion:165 Resp: 41836
Ion Ratio Lower Upper
165 100
63 1.1 25.3 37.9#
89 1.2 45.9 68.9#
182 0.0 2.2 3.4#

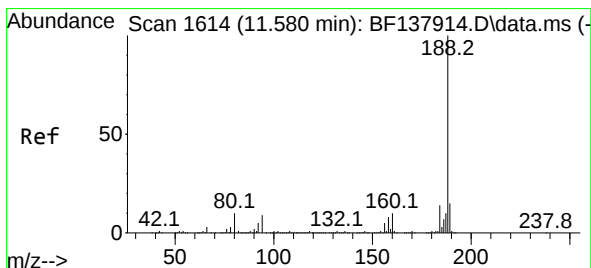
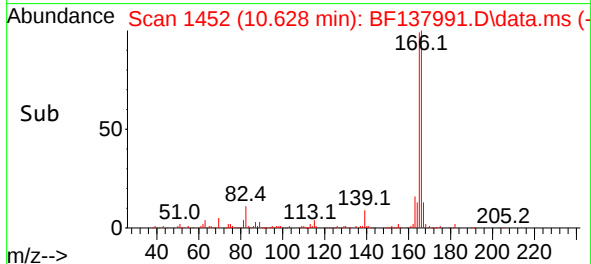
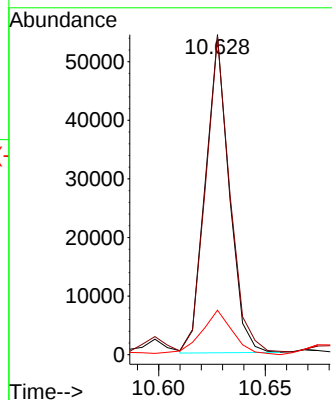
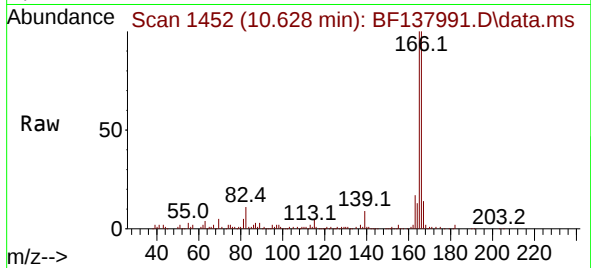




#58
Fluorene
Concen: 2.228 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

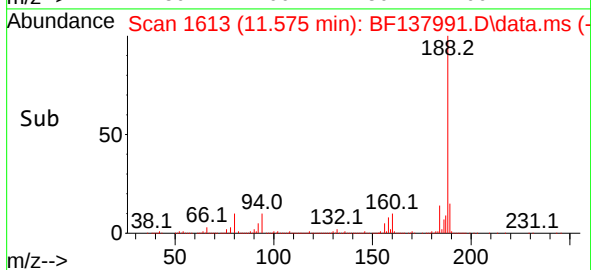
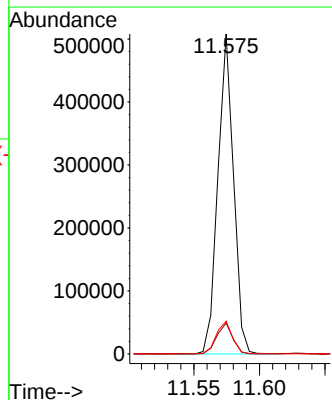
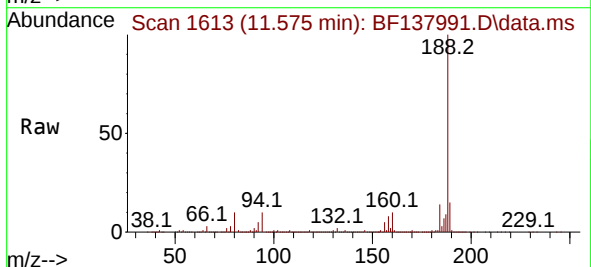
Instrument :
BNA_F
ClientSampleId :
B2COMP(0-8)

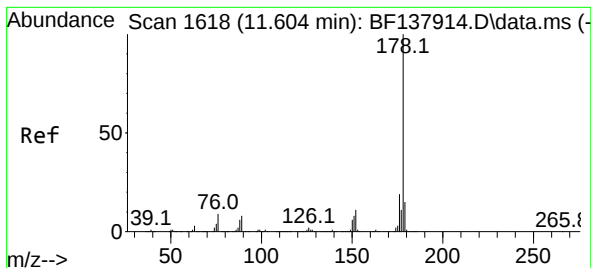
Tgt Ion:166 Resp: 42045
Ion Ratio Lower Upper
166 100
165 99.5 77.8 116.8
167 13.9 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF137991.D
Acq: 21 May 2024 21:45

Tgt Ion:188 Resp: 421273
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.4
80 10.2 7.7 11.5





#71

Phenanthrene

Concen: 34.104 ng

RT: 11.598 min Scan# 1617

Delta R.T. -0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)

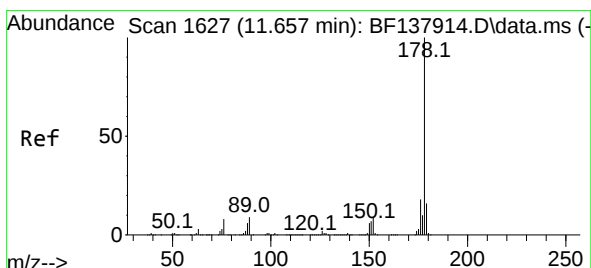
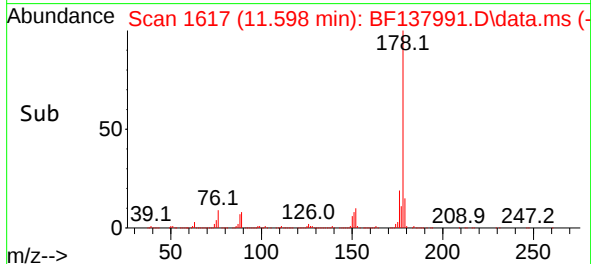
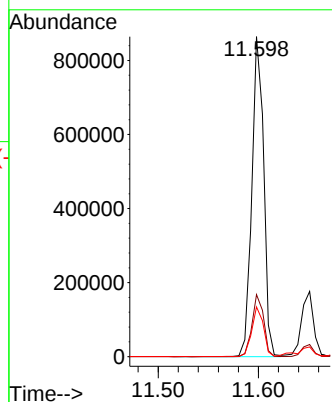
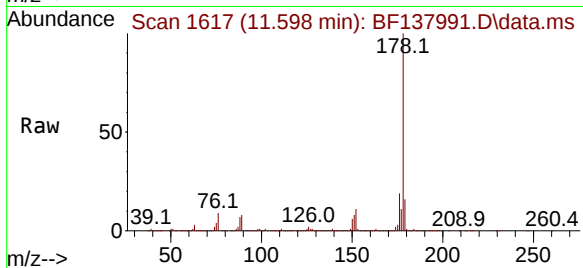
Tgt Ion:178 Resp: 707997

Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

179 15.5 12.2 18.4



#72

Anthracene

Concen: 6.965 ng

RT: 11.651 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

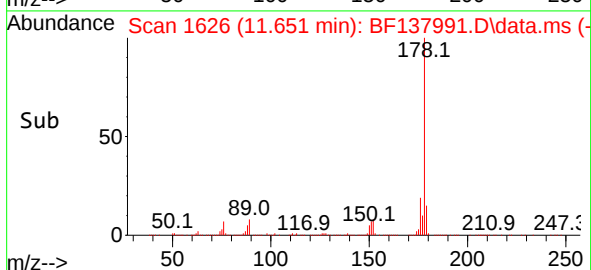
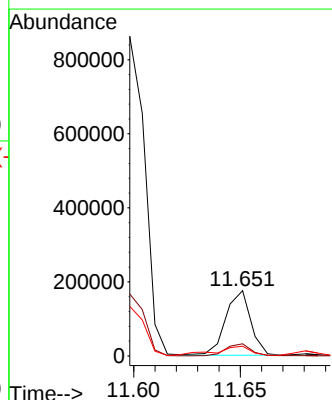
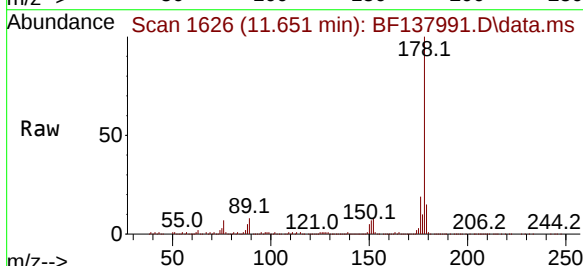
Tgt Ion:178 Resp: 143466

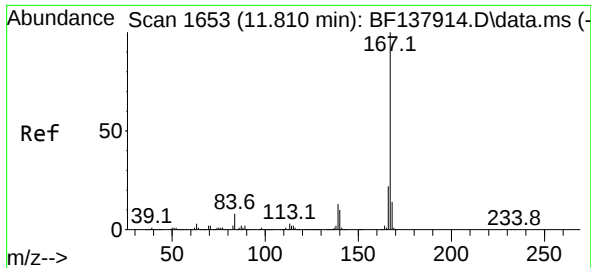
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 15.0 12.4 18.6

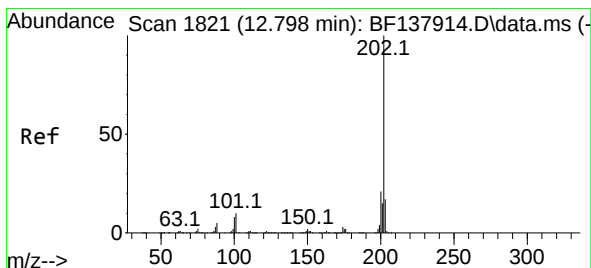
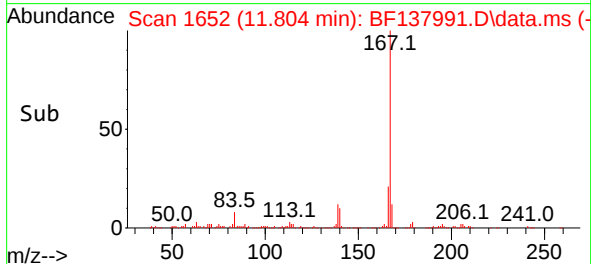
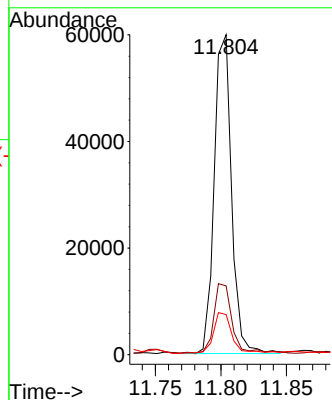
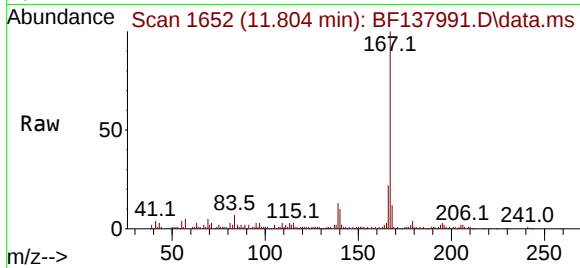




#73
 Carbazole
 Concen: 2.919 ng
 RT: 11.804 min Scan# 1652
 Delta R.T. -0.006 min
 Lab File: BF137991.D
 Acq: 21 May 2024 21:45

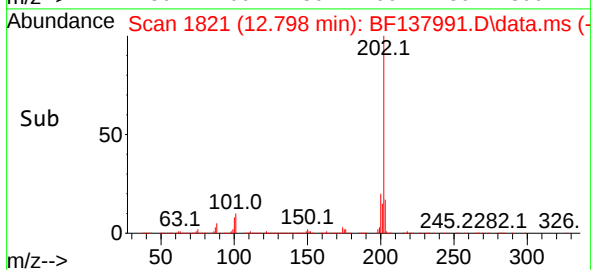
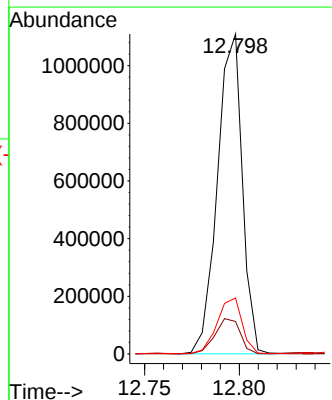
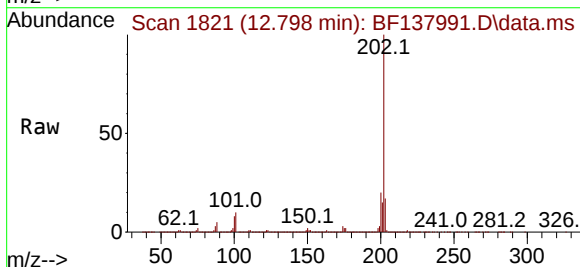
Instrument :
 BNA_F
 ClientSampleId :
 B2COMP(0-8)

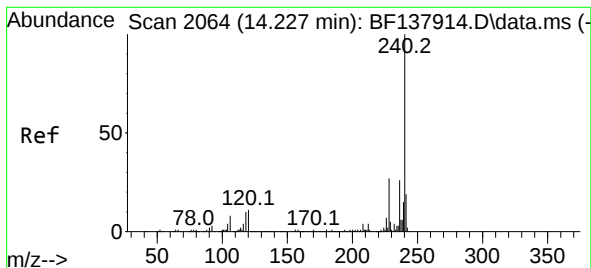
Tgt Ion:167	Resp:	54921
Ion Ratio	Lower	Upper
167	100	
166	21.5	17.3 25.9
139	12.6	10.3 15.5



#75
 Fluoranthene
 Concen: 48.078 ng
 RT: 12.798 min Scan# 1821
 Delta R.T. 0.000 min
 Lab File: BF137991.D
 Acq: 21 May 2024 21:45

Tgt Ion:202	Resp:	1013080
Ion Ratio	Lower	Upper
202	100	
101	10.2	0.0 30.5
203	17.5	0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.227 min Scan# 2064

Delta R.T. 0.000 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)

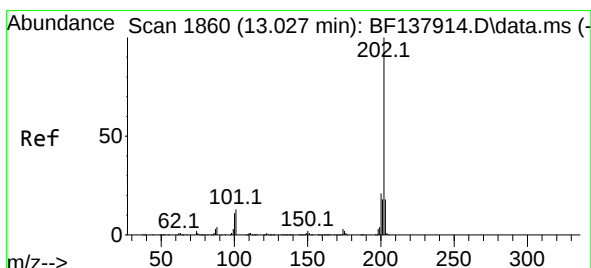
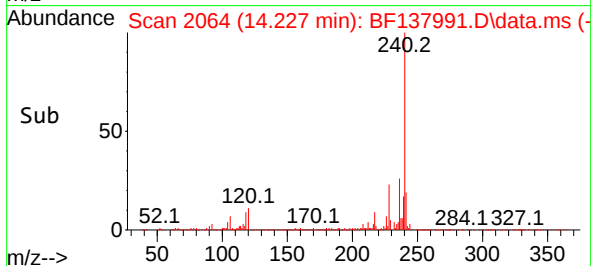
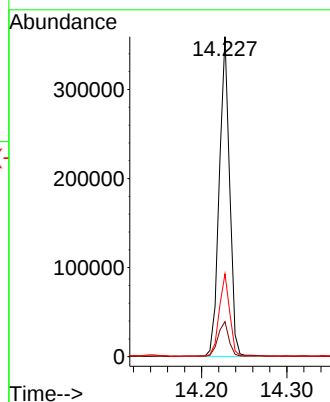
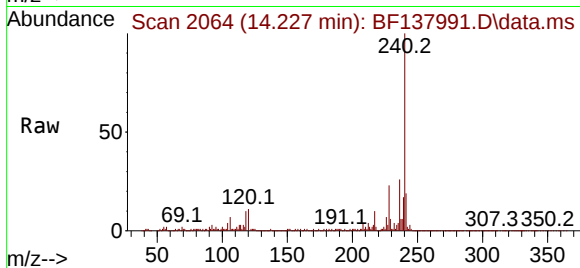
Tgt Ion:240 Resp: 303179

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

236 25.9 21.0 31.4



#78

Pyrene

Concen: 34.173 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

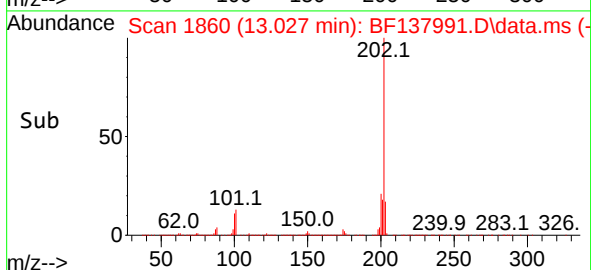
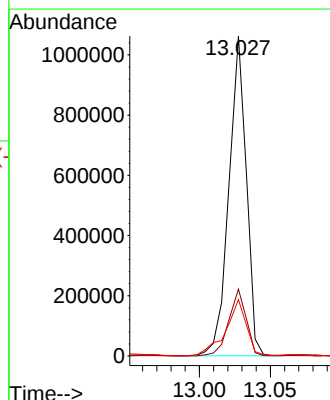
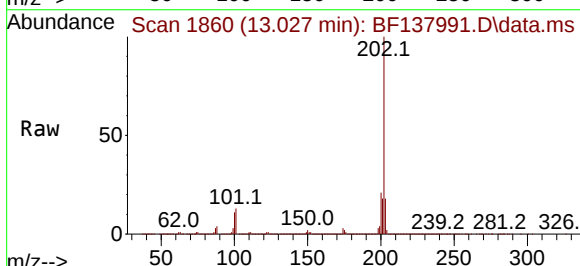
Tgt Ion:202 Resp: 906175

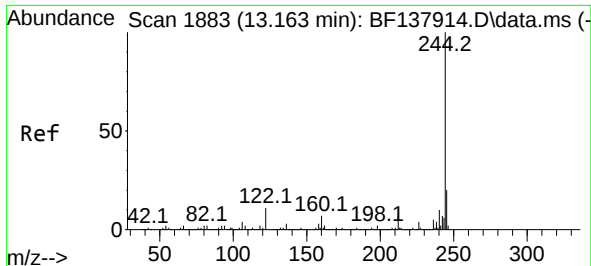
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 17.6 14.1 21.1

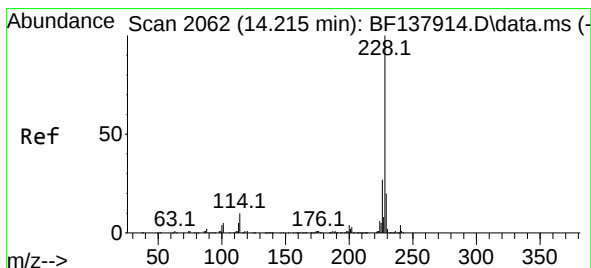
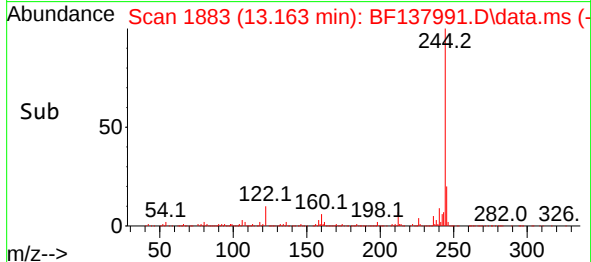
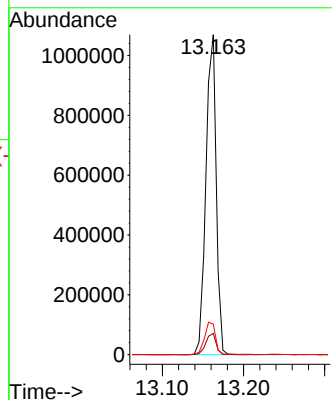
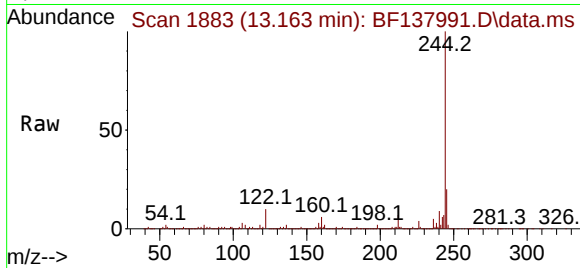




#79
 Terphenyl-d14
 Concen: 45.641 ng
 RT: 13.163 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: BF137991.D
 Acq: 21 May 2024 21:45

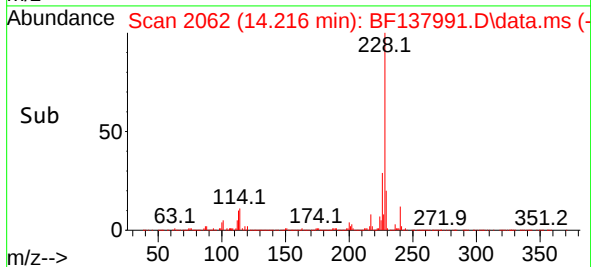
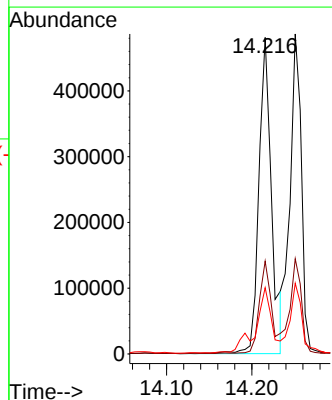
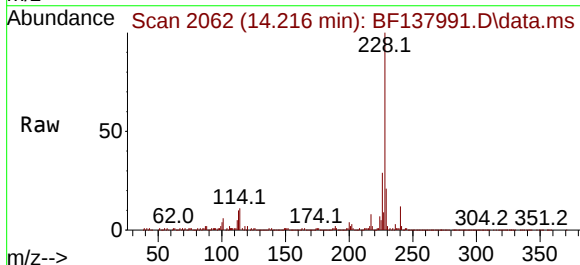
Instrument :
 BNA_F
 ClientSampleId :
 B2COMP(0-8)

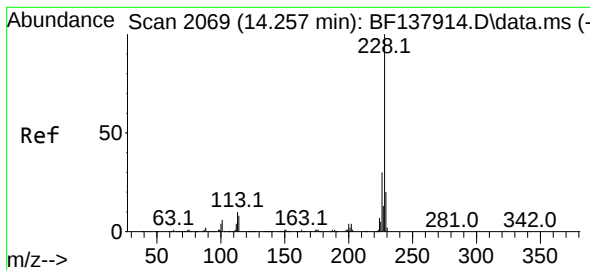
Tgt Ion:244 Resp: 938886
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 9.6 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 25.706 ng
 RT: 14.216 min Scan# 2062
 Delta R.T. 0.000 min
 Lab File: BF137991.D
 Acq: 21 May 2024 21:45

Tgt Ion:228 Resp: 493061
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.3 31.9
 229 20.9 15.7 23.5





#83

Chrysene

Concen: 24.653 ng

RT: 14.251 min Scan# 2068

Delta R.T. -0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)

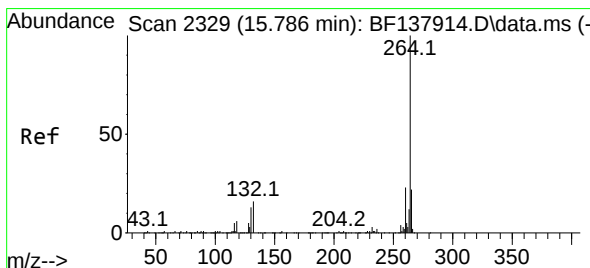
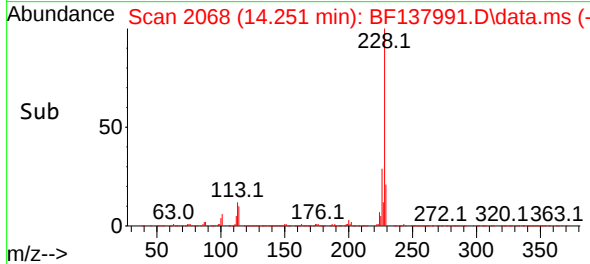
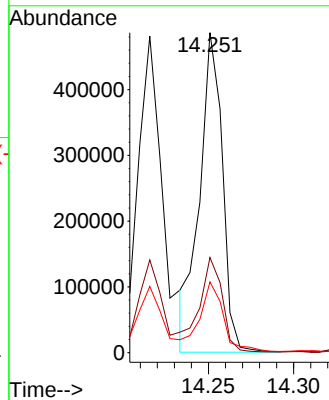
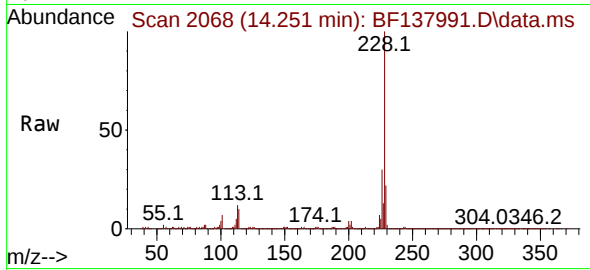
Tgt Ion:228 Resp: 452236

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 22.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.792 min Scan# 2330

Delta R.T. 0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

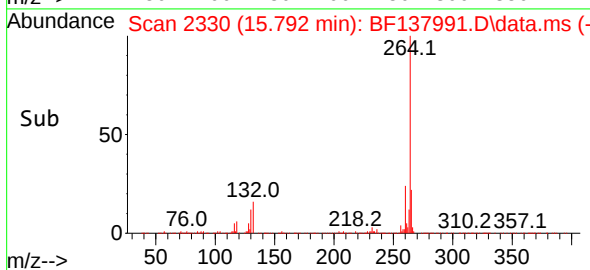
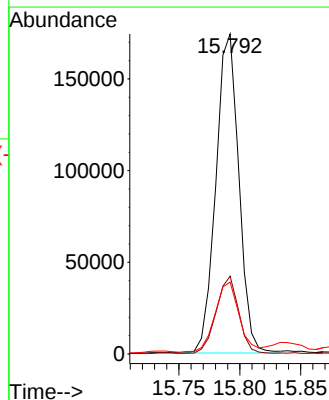
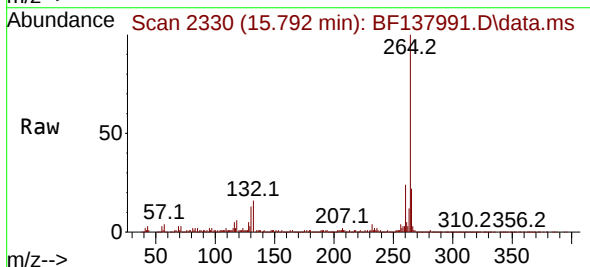
Tgt Ion:264 Resp: 228838

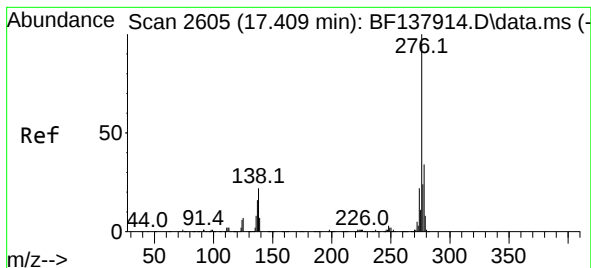
Ion Ratio Lower Upper

264 100

260 24.3 18.3 27.5

265 22.5 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.436 ng

RT: 17.404 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)

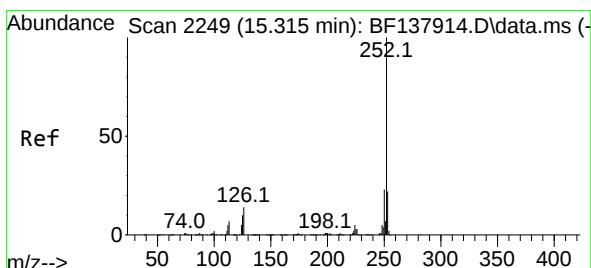
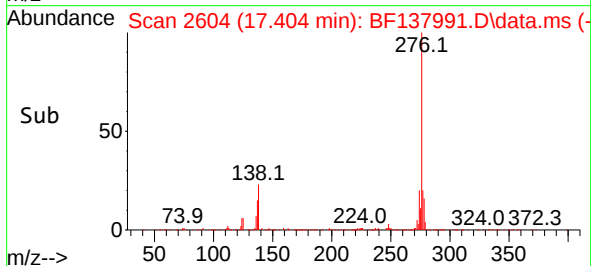
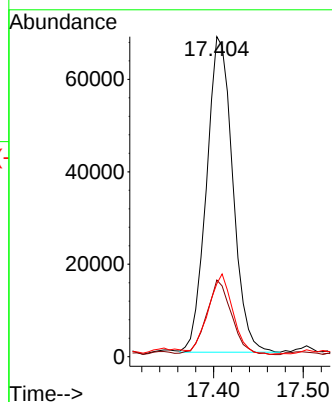
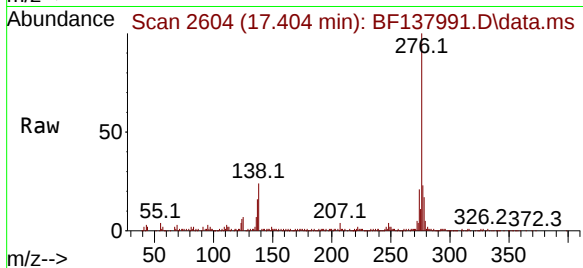
Tgt Ion:276 Resp: 138725

Ion Ratio Lower Upper

276 100

138 22.8 20.6 30.8

277 24.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 46.657 ng

RT: 15.321 min Scan# 2250

Delta R.T. 0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

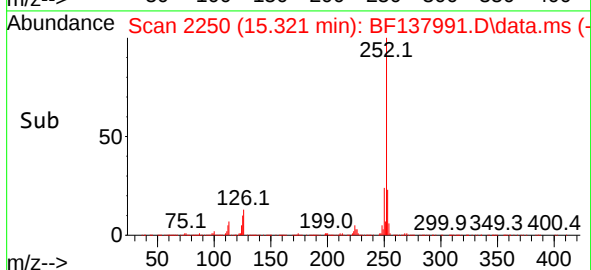
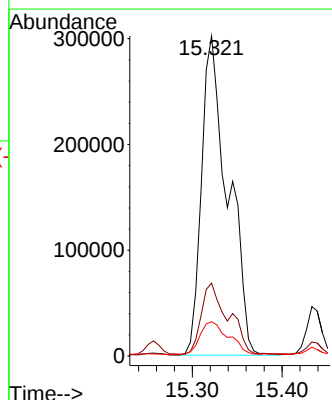
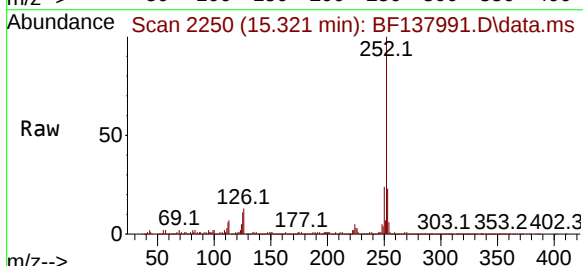
Tgt Ion:252 Resp: 618200

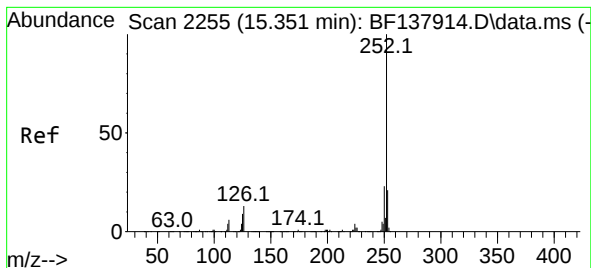
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 10.7 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 47.493 ng

RT: 15.321 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)

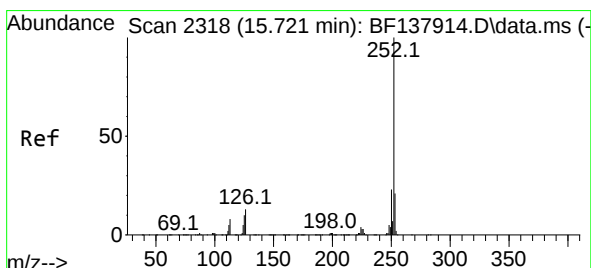
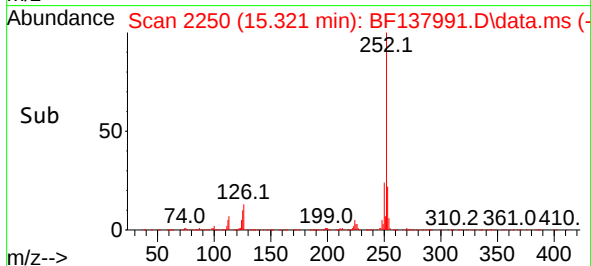
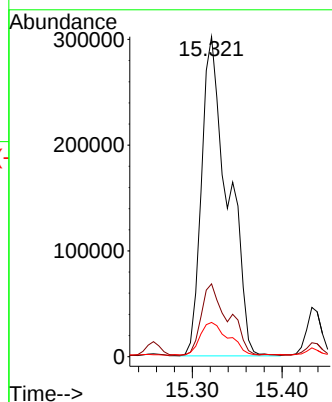
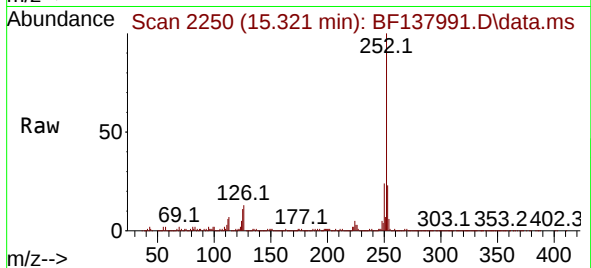
Tgt Ion:252 Resp: 618200

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.7 7.7 11.5



#90

Benzo(a)pyrene

Concen: 23.611 ng

RT: 15.721 min Scan# 2318

Delta R.T. 0.000 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

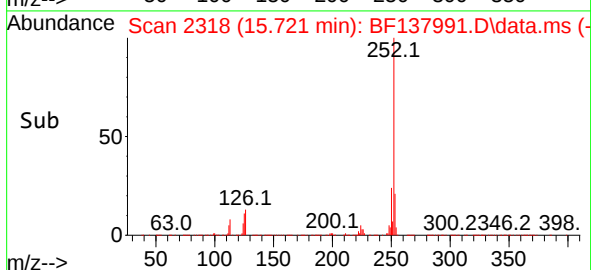
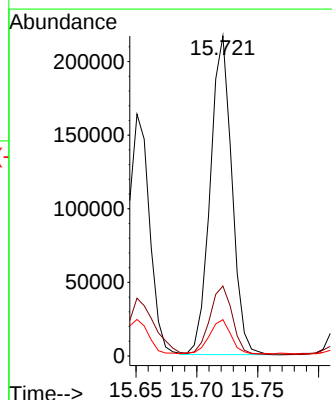
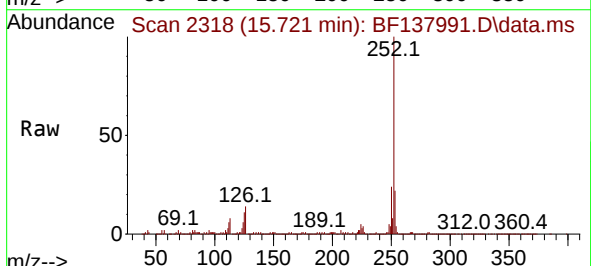
Tgt Ion:252 Resp: 267131

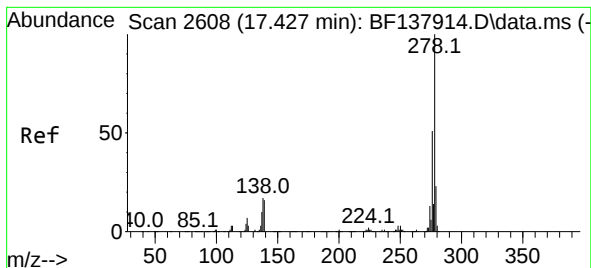
Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

125 11.3 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 2.246 ng

RT: 17.610 min Scan# 2608

Delta R.T. 0.183 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Instrument :

BNA_F

ClientSampleId :

B2COMP(0-8)

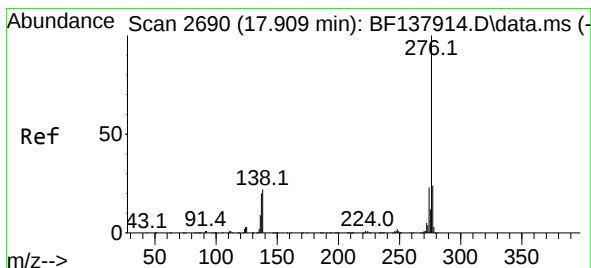
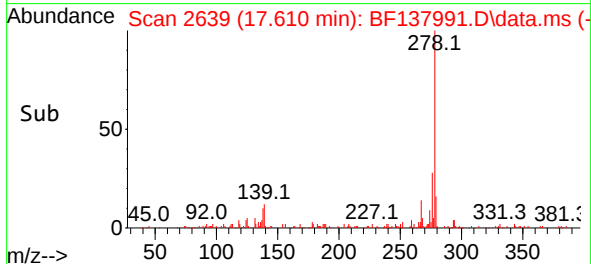
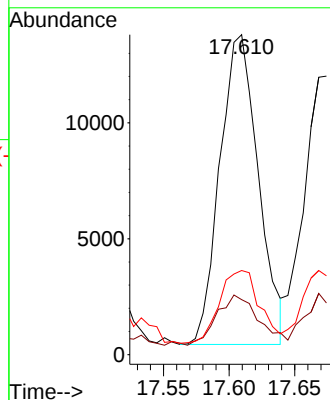
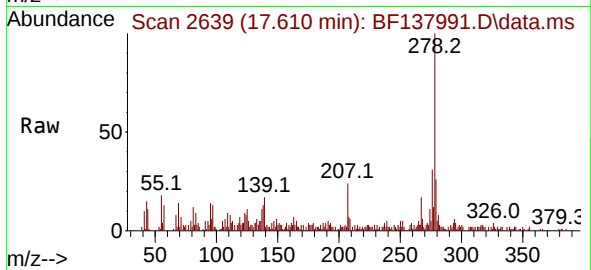
Tgt Ion:278 Resp: 27280

Ion Ratio Lower Upper

278 100

139 17.2 13.1 19.7

279 26.3 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 10.754 ng

RT: 17.904 min Scan# 2689

Delta R.T. -0.006 min

Lab File: BF137991.D

Acq: 21 May 2024 21:45

Tgt Ion:276 Resp: 137231

Ion Ratio Lower Upper

276 100

277 22.6 18.9 28.3

138 22.6 17.6 26.4

