

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137986.D
 Acq On : 21 May 2024 19:14
 Operator : CG\JU
 Sample : P2500-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-112-SB01

Quant Time: May 22 01:30:02 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)

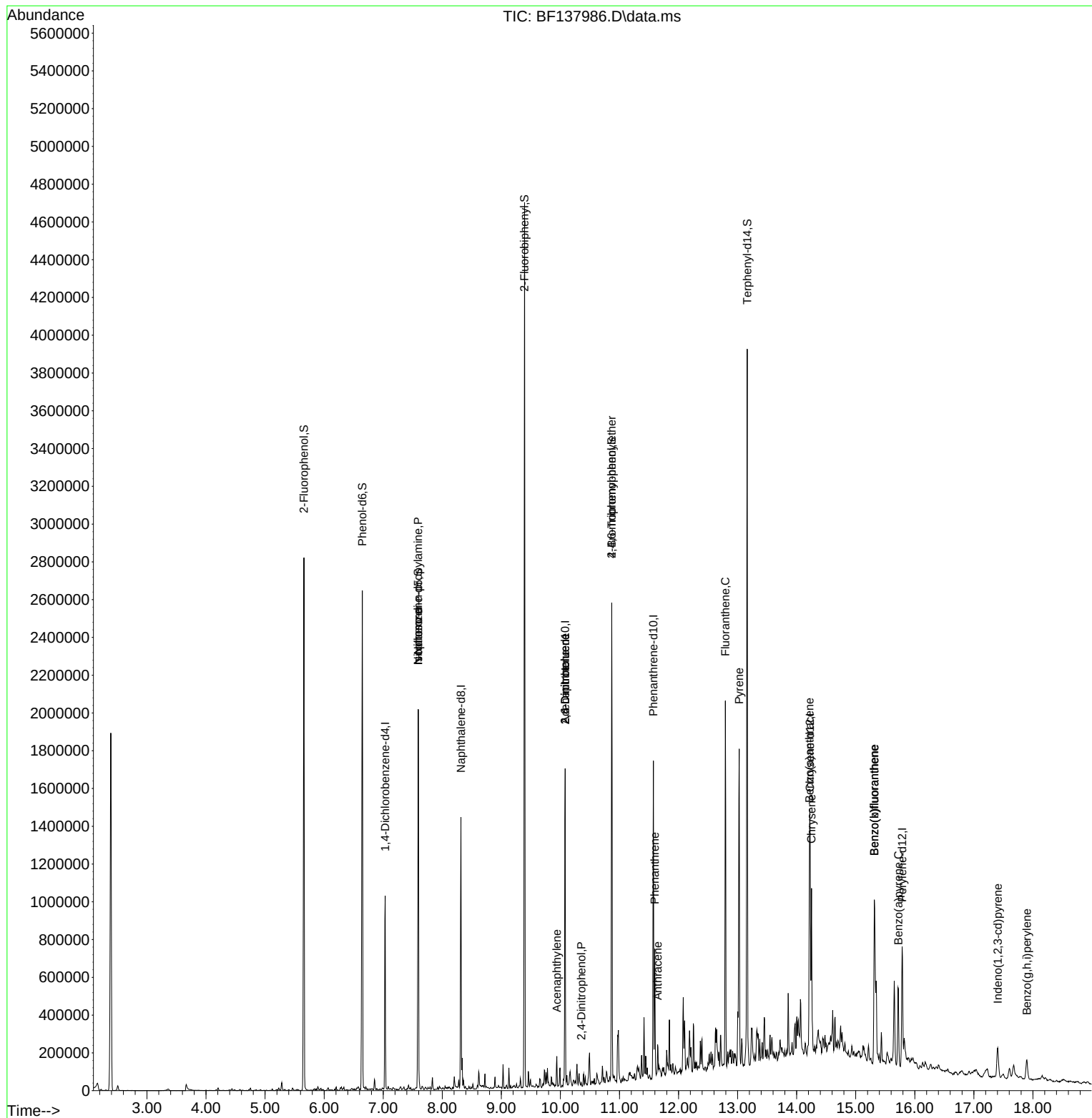
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	147957	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	586152	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	340711	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	556765	20.000	ng	0.00
76) Chrysene-d12	14.227	240	314059	20.000	ng	0.00
86) Perylene-d12	15.786	264	306950	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.657	112	793781	91.131	ng	0.00
7) Phenol-d6	6.646	99	1017370	94.818	ng	-0.01
23) Nitrobenzene-d5	7.593	82	645045	64.763	ng	-0.02
42) 2,4,6-Tribromophenol	10.869	330	311887	90.787	ng	-0.01
45) 2-Fluorobiphenyl	9.392	172	1348517	60.968	ng	0.00
79) Terphenyl-d14	13.163	244	1270230	59.609	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.593	70	84111	13.953	ng	# 76
25) Isophorone	7.593	82	645045	37.315	ng	# 64
49) Acenaphthylene	9.939	152	56582	2.063	ng	98
51) 2,6-Dinitrotoluene	10.081	165	45552	9.289	ng	# 29
54) 2,4-Dinitrophenol	10.357	184	628	7.184	ng	# 37
57) 2,4-Dinitrotoluene	10.081	165	45552	7.186	ng	# 33
67) 4-Bromophenyl-phenylether	10.869	248	20341	3.333	ng	# 1
71) Phenanthrene	11.598	178	228466	8.327	ng	99
72) Anthracene	11.645	178	69509	2.553	ng	98
75) Fluoranthene	12.792	202	713565	25.623	ng	98
78) Pyrene	13.027	202	665425	24.225	ng	99
81) Benzo(a)anthracene	14.216	228	311504	15.678	ng	93
83) Chrysene	14.251	228	371093	19.529	ng	98
87) Indeno(1,2,3-cd)pyrene	17.404	276	109565	5.556	ng	96
88) Benzo(b)fluoranthene	15.316	252	681772	38.361	ng	99
89) Benzo(k)fluoranthene	15.316	252	681772	39.048	ng	98
90) Benzo(a)pyrene	15.721	252	209153	13.782	ng	97
92) Benzo(g,h,i)perylene	17.898	276	87873	5.134	ng	96

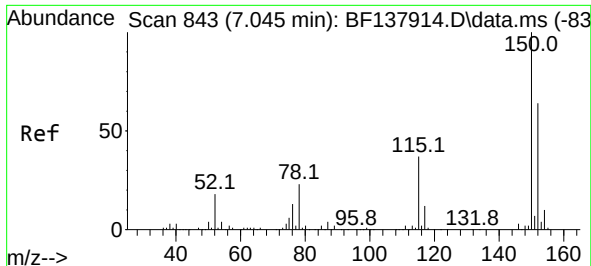
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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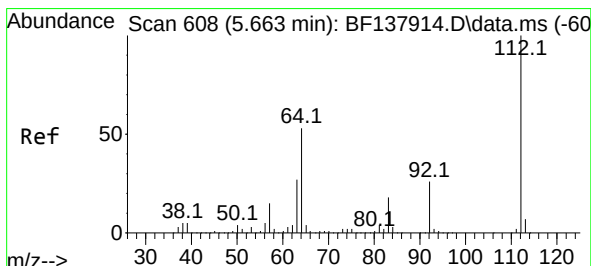
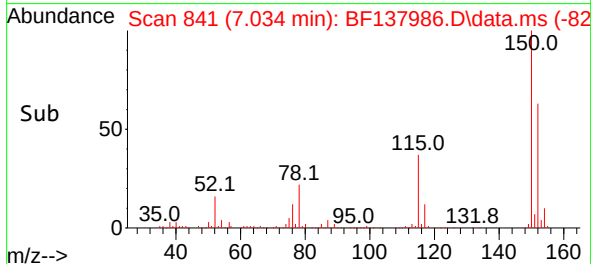
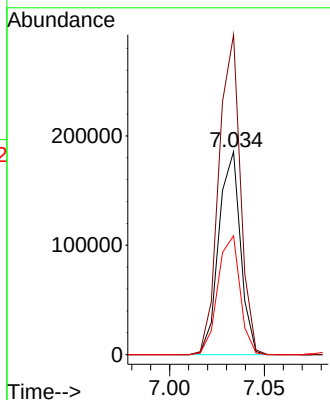
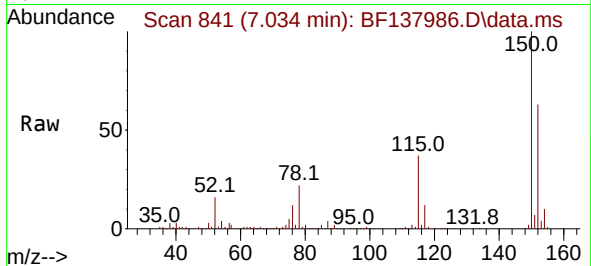




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.011 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

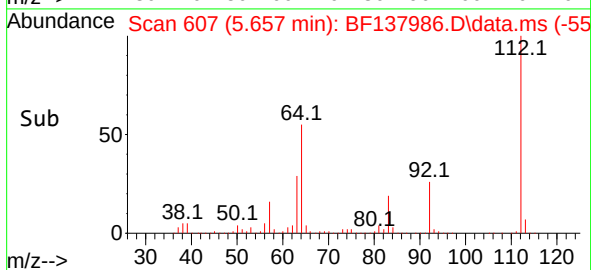
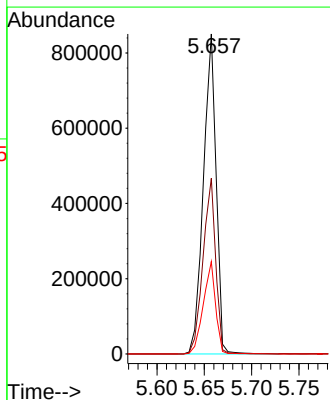
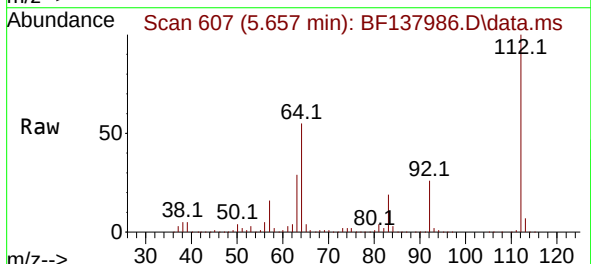
Instrument :
BNA_F
ClientSampleId :
B-112-SB01

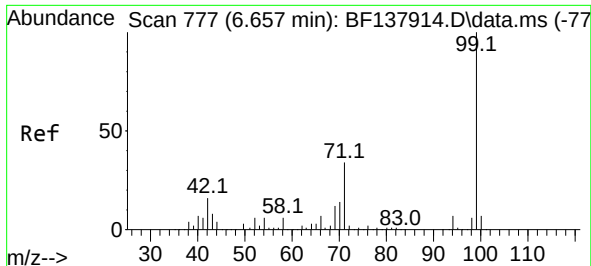
Tgt Ion:152 Resp: 147957
Ion Ratio Lower Upper
152 100
150 157.6 125.7 188.5
115 58.6 47.0 70.6



#5
2-Fluorophenol
Concen: 91.131 ng
RT: 5.657 min Scan# 607
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Tgt Ion:112 Resp: 793781
Ion Ratio Lower Upper
112 100
64 54.9 42.4 63.6
63 28.8 21.4 32.2

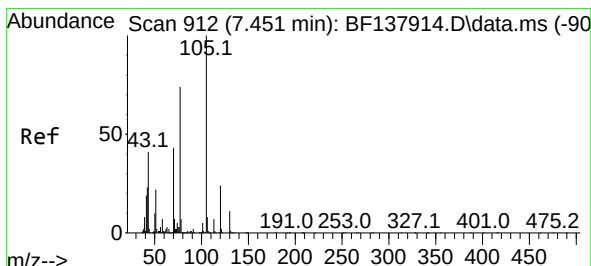
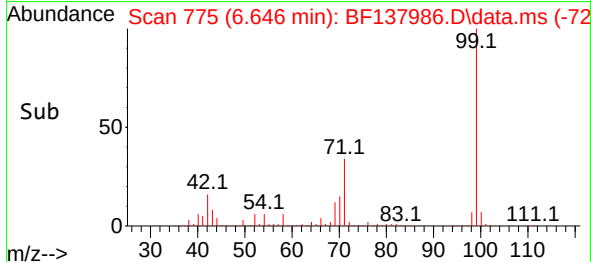
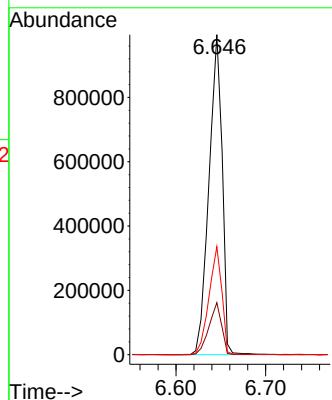
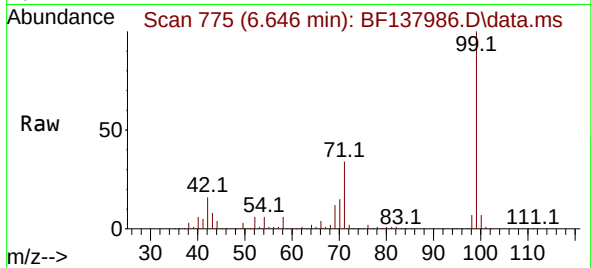




#7
Phenol-d6
Concen: 94.818 ng
RT: 6.646 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

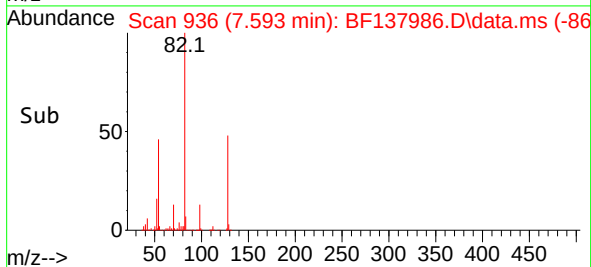
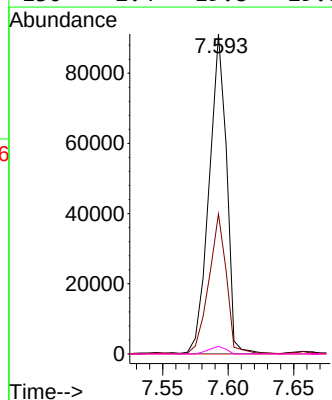
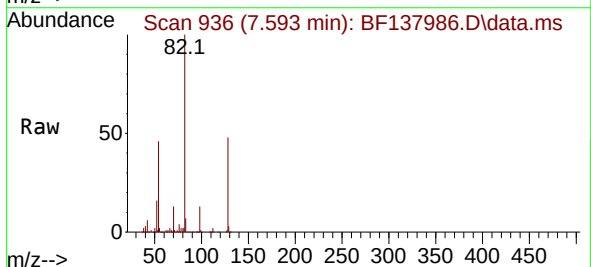
Instrument :
BNA_F
ClientSampleId :
B-112-SB01

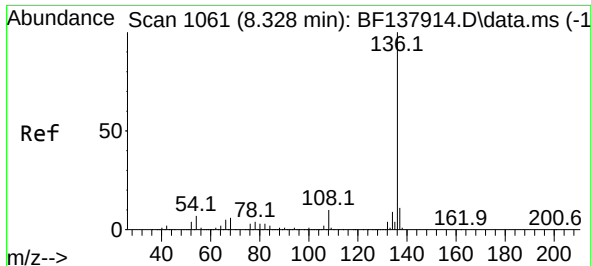
Tgt Ion: 99 Resp: 1017370
Ion Ratio Lower Upper
99 100
42 16.3 12.6 18.8
71 33.7 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.953 ng
RT: 7.593 min Scan# 936
Delta R.T. 0.141 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Tgt Ion: 70 Resp: 84111
Ion Ratio Lower Upper
70 100
42 43.7 42.2 63.4
101 0.0 8.8 13.2#
130 2.4 19.8 29.8#

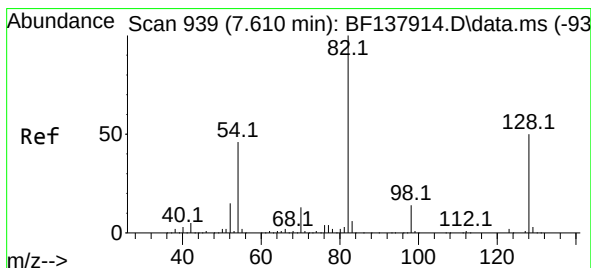
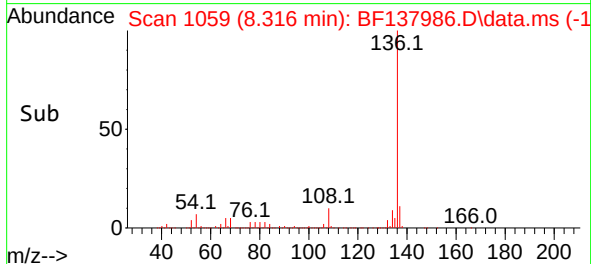
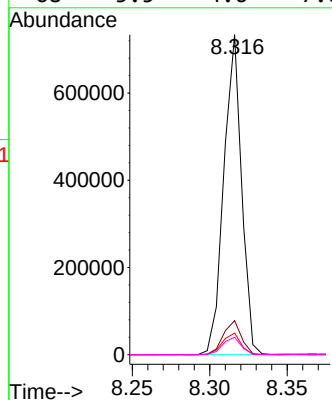
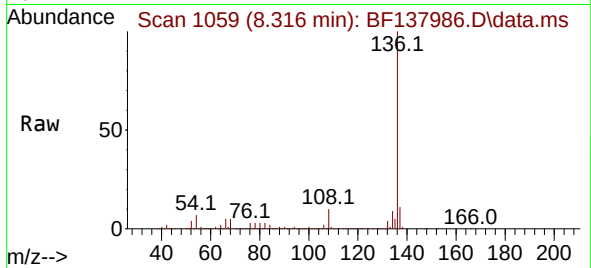




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

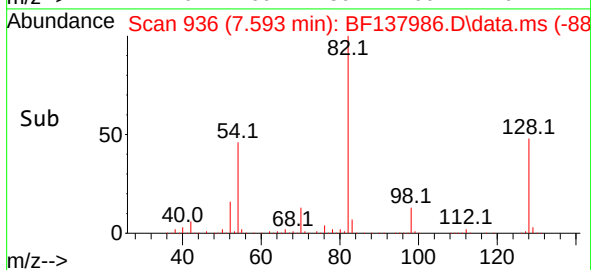
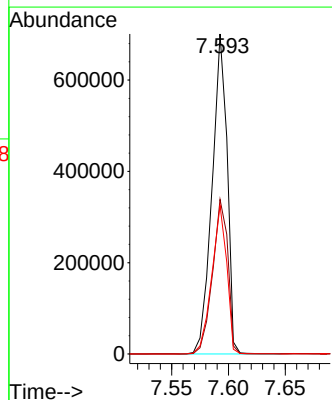
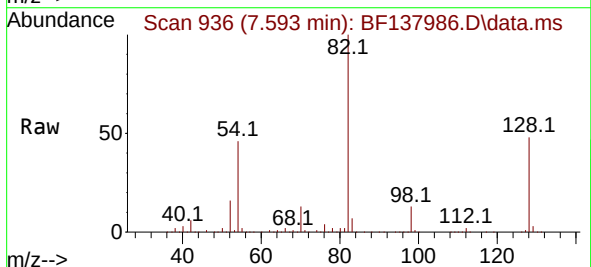
Instrument :
BNA_F
ClientSampleId :
B-112-SB01

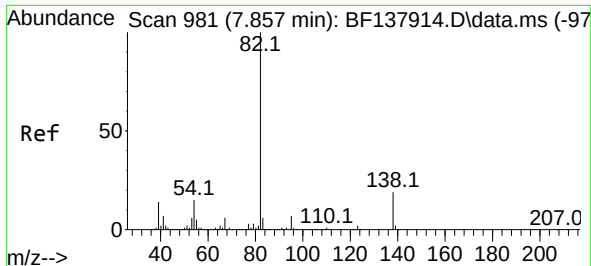
Tgt Ion:	136	Resp:	586152
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	6.8	5.4	8.2
68	5.5	4.6	7.0



#23
Nitrobenzene-d5
Concen: 64.763 ng
RT: 7.593 min Scan# 936
Delta R.T. -0.017 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Tgt Ion:	82	Resp:	645045
Ion	Ratio	Lower	Upper
82	100		
128	48.3	40.3	60.5
54	46.5	36.8	55.2

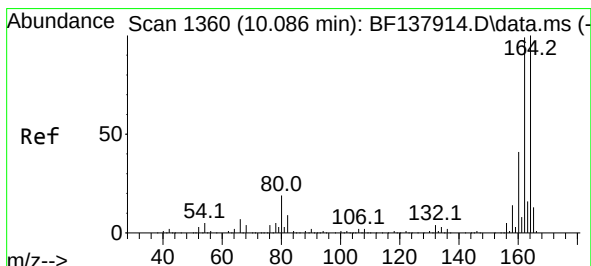
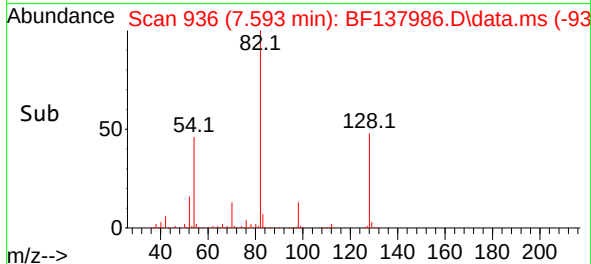
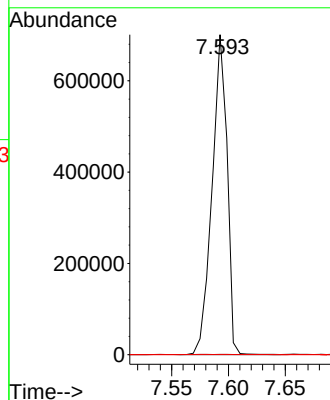
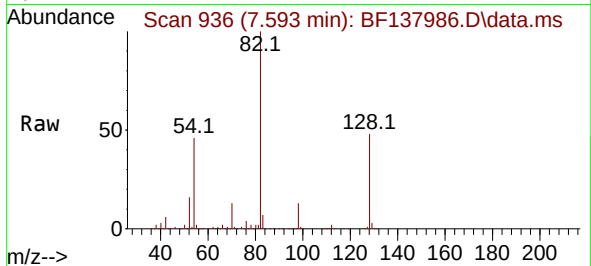




#25
Isophorone
Concen: 37.315 ng
RT: 7.593 min Scan# 91
Delta R.T. -0.264 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

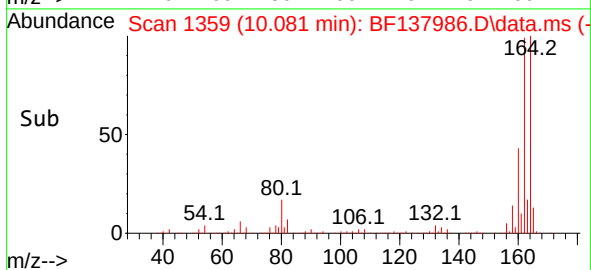
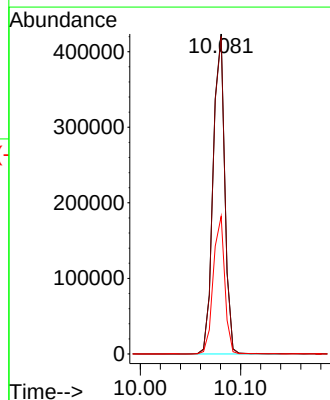
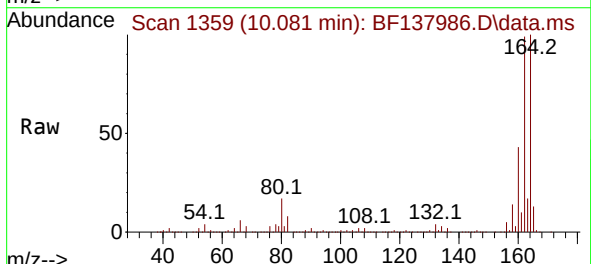
Instrument :
BNA_F
ClientSampleId :
B-112-SB01

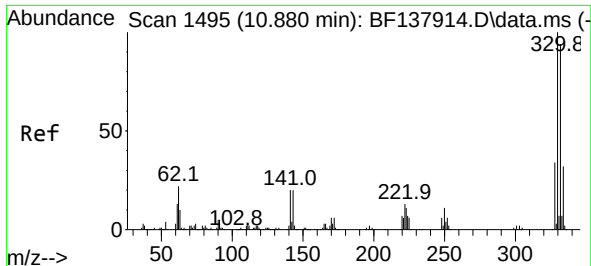
Tgt Ion: 82 Resp: 645045
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Tgt Ion:164 Resp: 340711
Ion Ratio Lower Upper
164 100
162 99.2 79.4 119.2
160 43.0 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 90.787 ng

RT: 10.869 min Scan# 1493

Delta R.T. -0.012 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

B-112-SB01

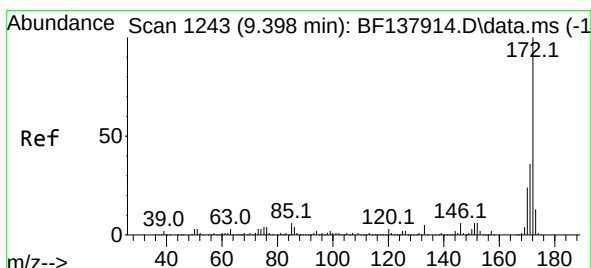
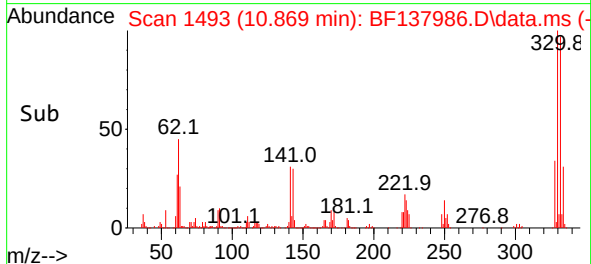
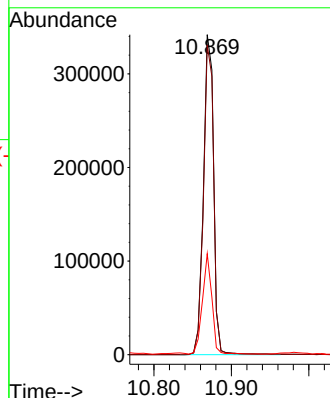
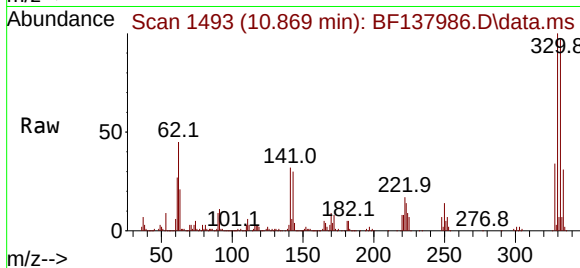
Tgt Ion:330 Resp: 311887

Ion Ratio Lower Upper

330 100

332 97.1 75.8 113.8

141 29.3 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 60.968 ng

RT: 9.392 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

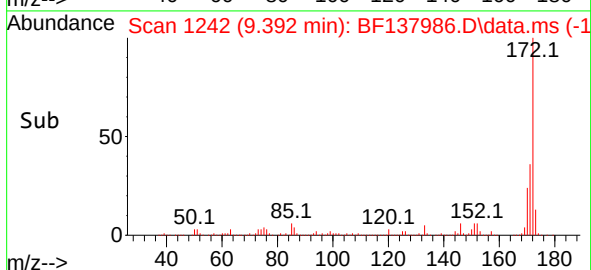
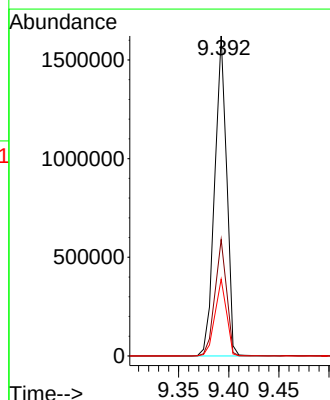
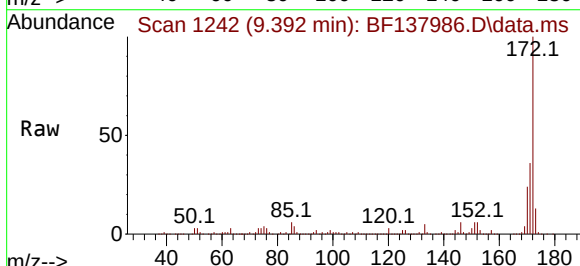
Tgt Ion:172 Resp: 1348517

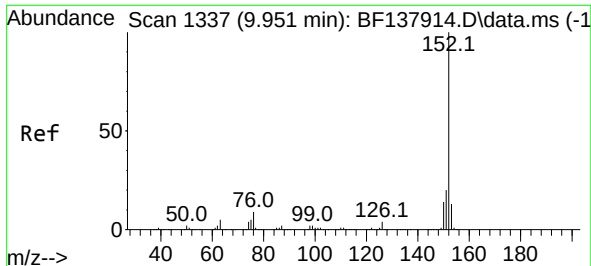
Ion Ratio Lower Upper

172 100

171 36.4 28.9 43.3

170 24.0 18.9 28.3





#49

Acenaphthylene

Concen: 2.063 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

B-112-SB01

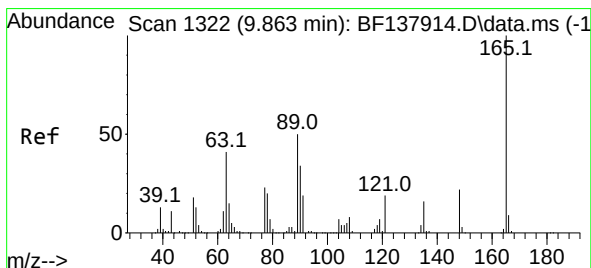
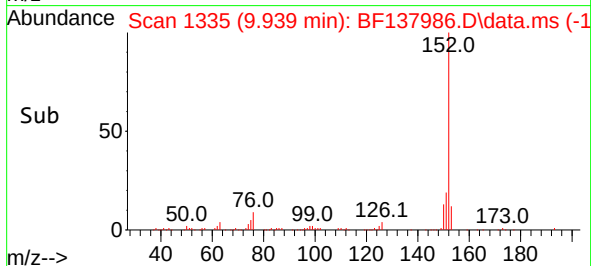
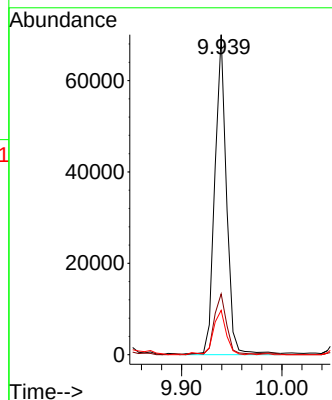
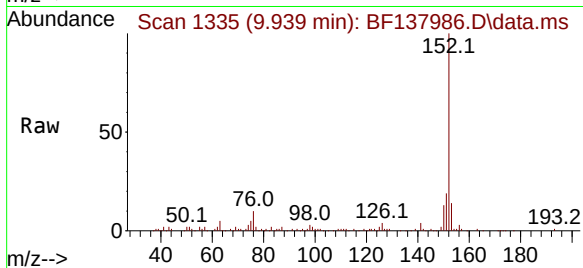
Tgt Ion:152 Resp: 56582

Ion Ratio Lower Upper

152 100

151 19.0 15.8 23.8

153 13.9 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 9.289 ng

RT: 10.081 min Scan# 1359

Delta R.T. 0.218 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

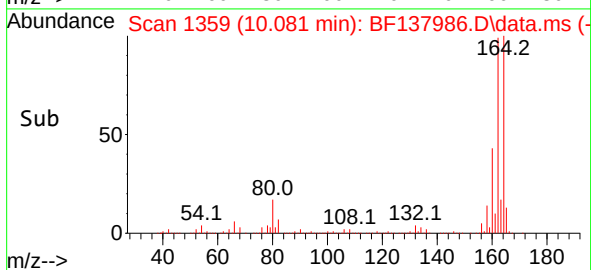
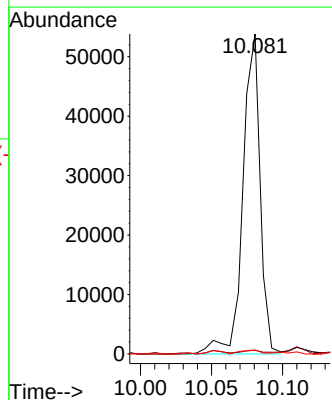
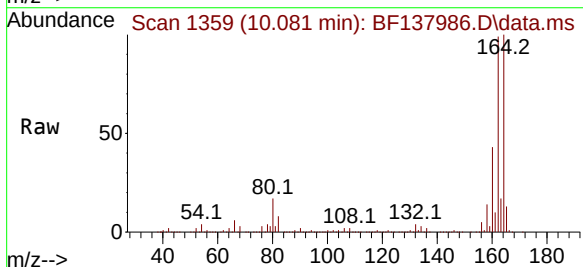
Tgt Ion:165 Resp: 45552

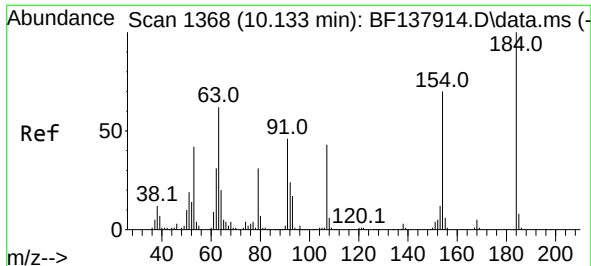
Ion Ratio Lower Upper

165 100

63 1.2 38.9 58.3#

89 1.2 40.4 60.6#

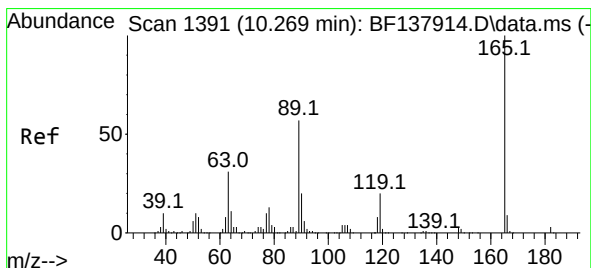
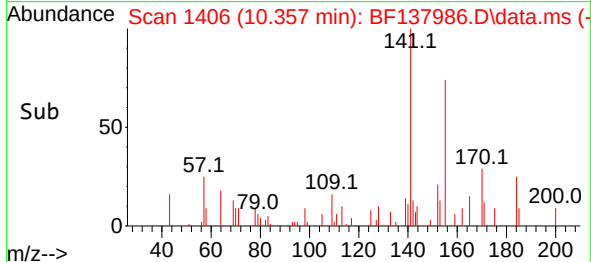
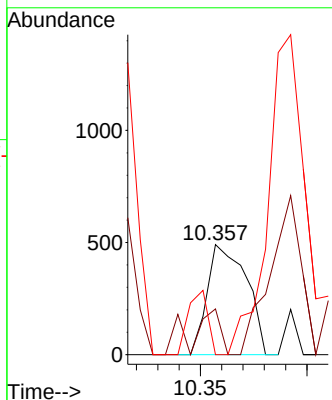
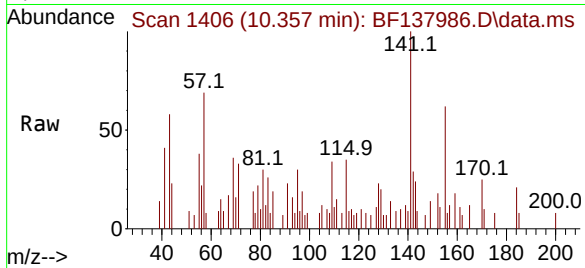




#54
2,4-Dinitrophenol
Concen: 7.184 ng
RT: 10.357 min Scan# 1406
Delta R.T. 0.224 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

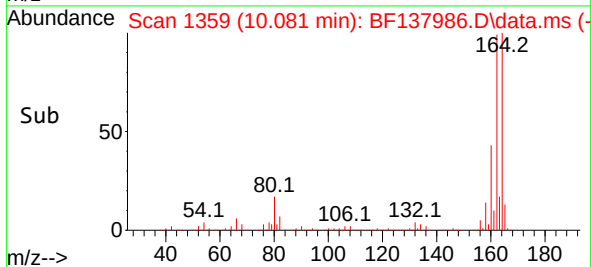
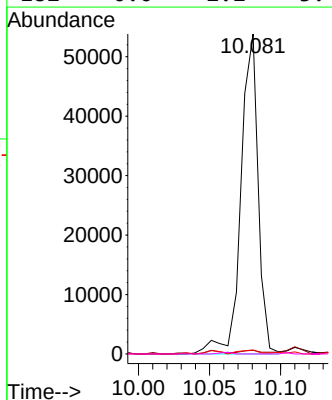
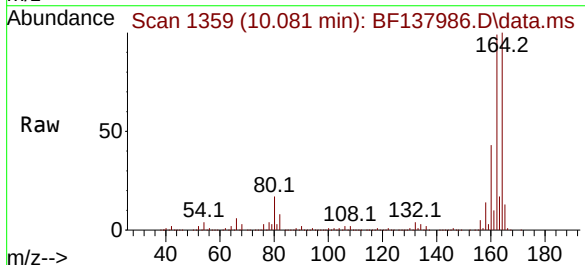
Instrument :
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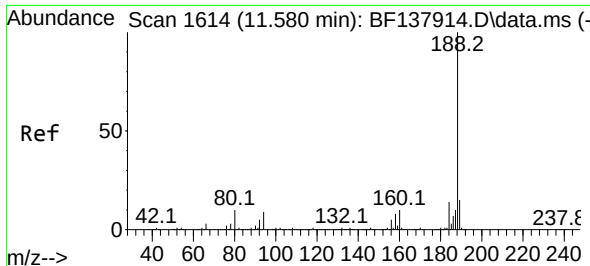
Tgt Ion:184 Resp: 628
Ion Ratio Lower Upper
184 100
63 41.5 50.4 75.6#
154 0.0 63.7 95.5#



#57
2,4-Dinitrotoluene
Concen: 7.186 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Tgt Ion:165 Resp: 45552
Ion Ratio Lower Upper
165 100
63 1.2 25.3 37.9#
89 1.2 45.9 68.9#
182 0.0 2.2 3.4#

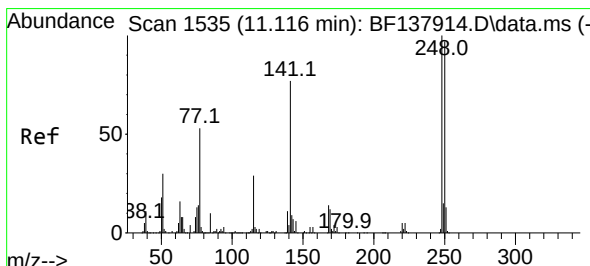
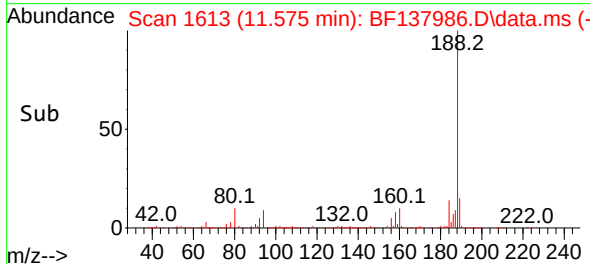
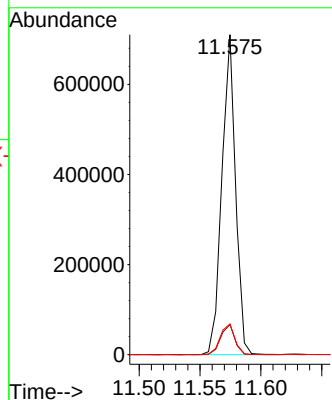
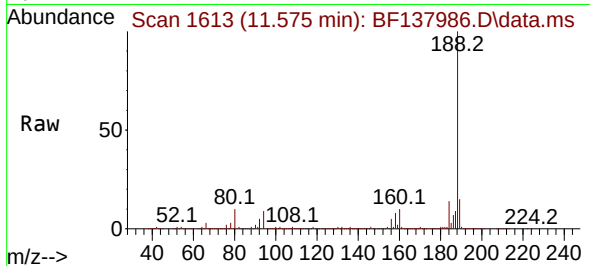




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

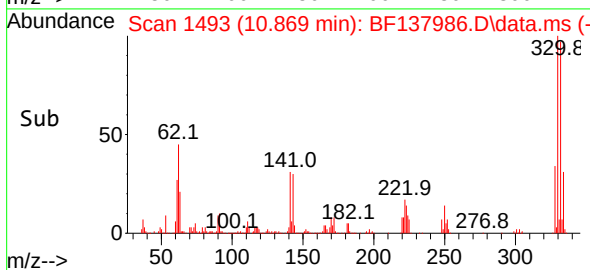
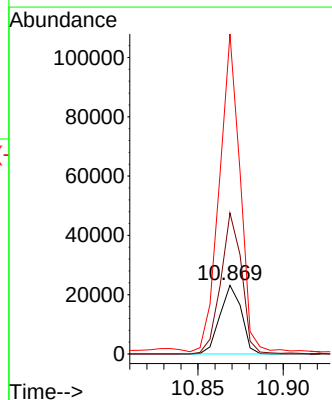
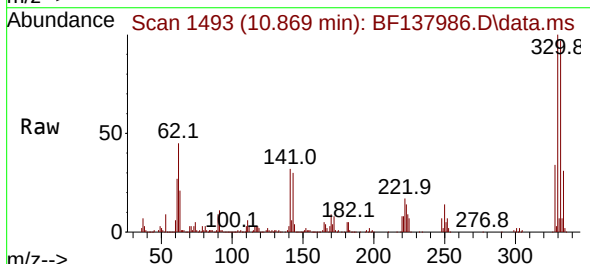
Instrument :
BNA_F
ClientSampleId :
B-112-SB01

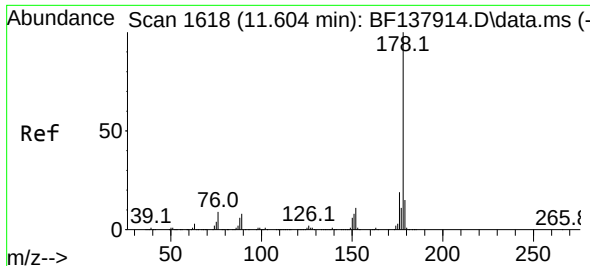
Tgt Ion:188 Resp: 556765
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.4
80 9.6 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 3.333 ng
RT: 10.869 min Scan# 1493
Delta R.T. -0.247 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Tgt Ion:248 Resp: 20341
Ion Ratio Lower Upper
248 100
250 205.3 77.6 116.4#
141 465.9 61.4 92.2#

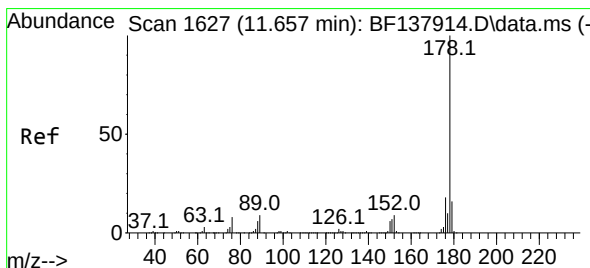
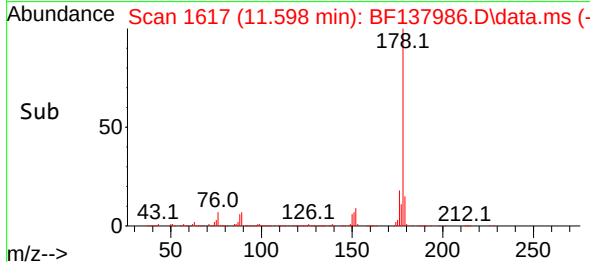
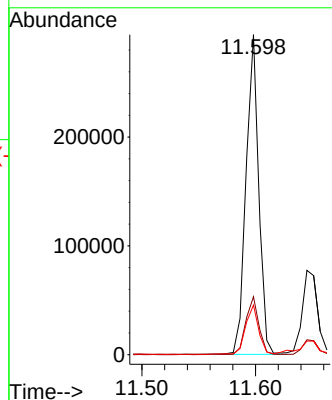
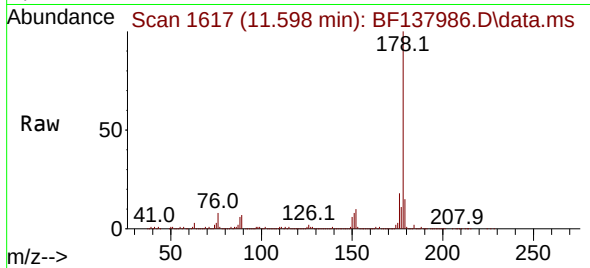




#71
Phenanthrene
Concen: 8.327 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

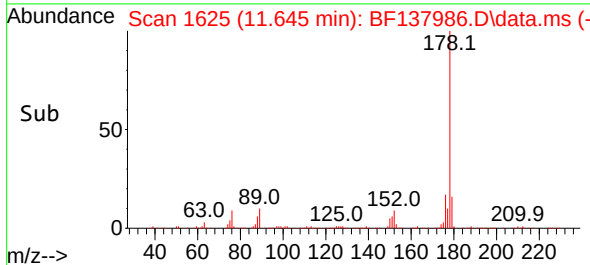
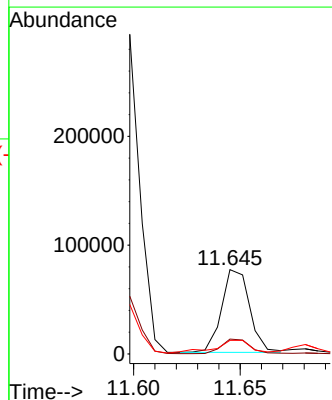
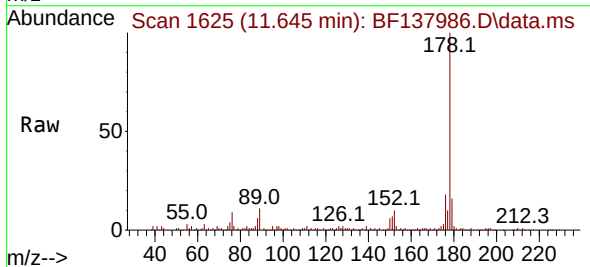
Instrument :
BNA_F
ClientSampleId :
B-112-SB01

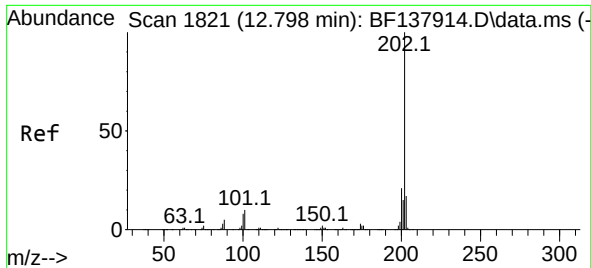
Tgt Ion:178 Resp: 228466
Ion Ratio Lower Upper
178 100
176 18.1 15.2 22.8
179 15.5 12.2 18.4



#72
Anthracene
Concen: 2.553 ng
RT: 11.645 min Scan# 1625
Delta R.T. -0.012 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Tgt Ion:178 Resp: 69509
Ion Ratio Lower Upper
178 100
176 17.6 14.7 22.1
179 16.1 12.4 18.6

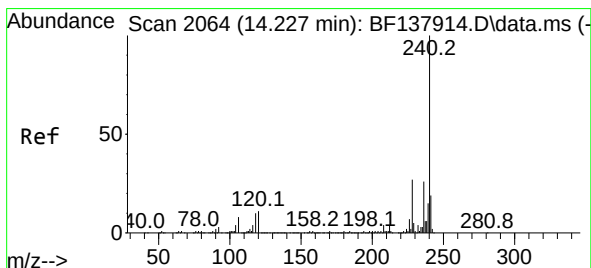
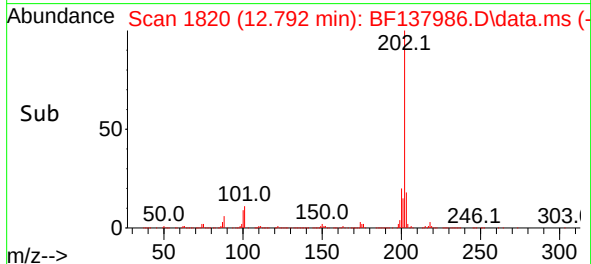
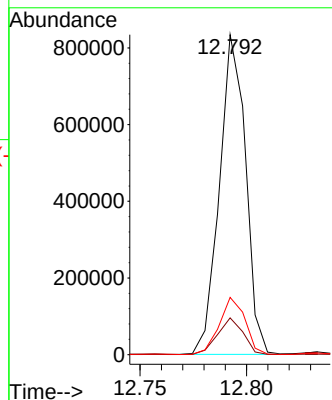
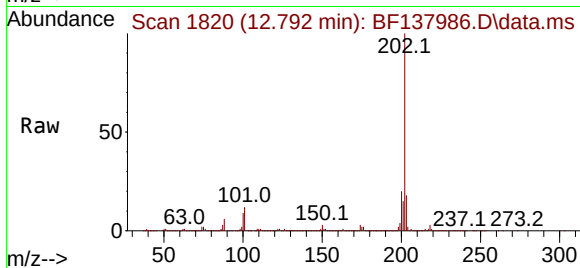




#75
Fluoranthene
Concen: 25.623 ng
RT: 12.792 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

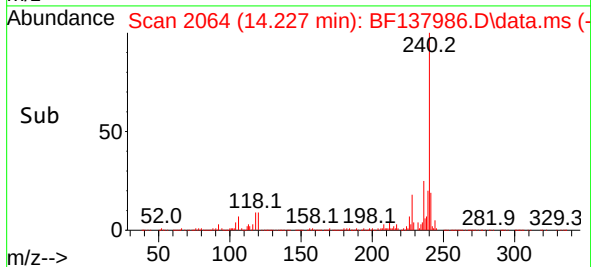
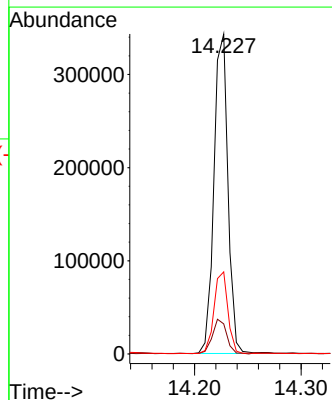
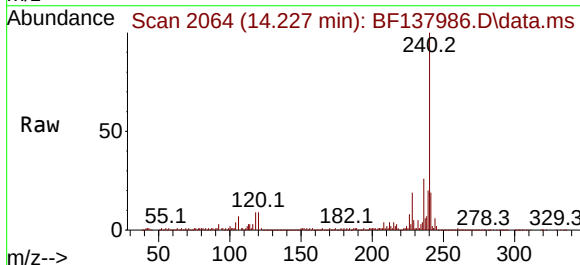
Instrument :
BNA_F
ClientSampleId :
B-112-SB01

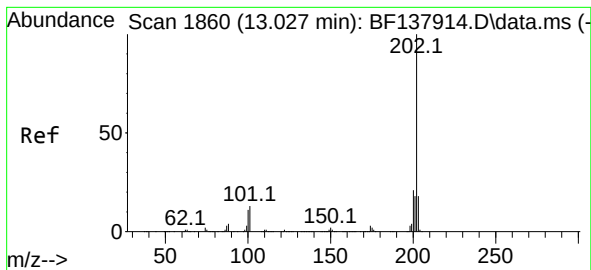
Tgt Ion:202 Resp: 713565
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.5
203 17.9 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Tgt Ion:240 Resp: 314059
Ion Ratio Lower Upper
240 100
120 9.4 8.9 13.3
236 25.7 21.0 31.4





#78

Pyrene

Concen: 24.225 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

B-112-SB01

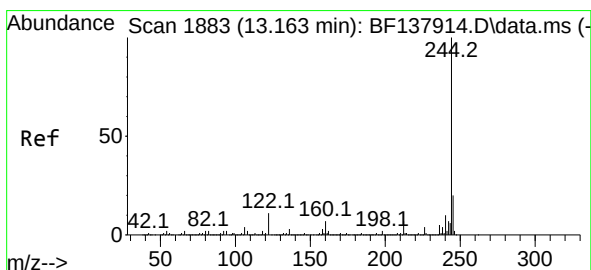
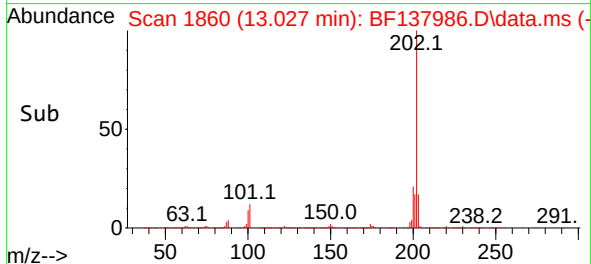
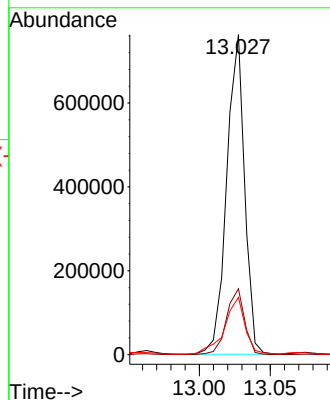
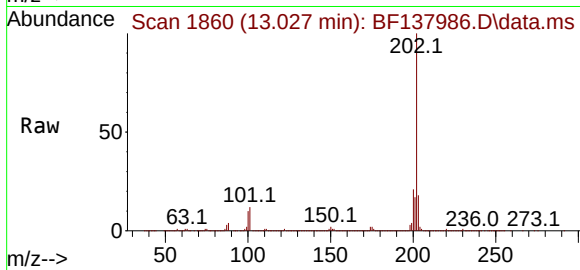
Tgt Ion:202 Resp: 665425

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 59.609 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

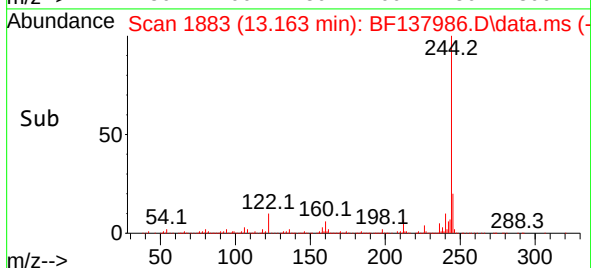
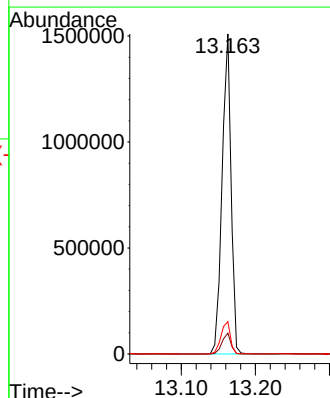
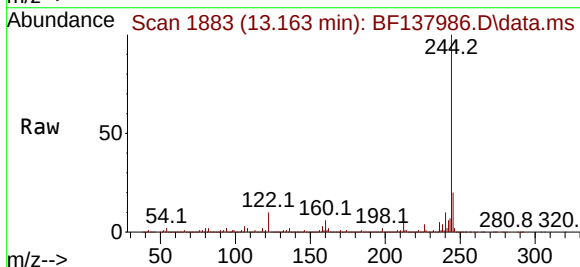
Tgt Ion:244 Resp: 1270230

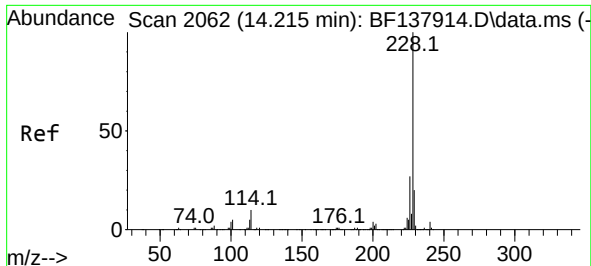
Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 10.1 8.8 13.2

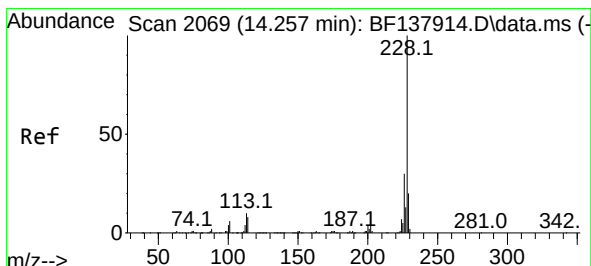
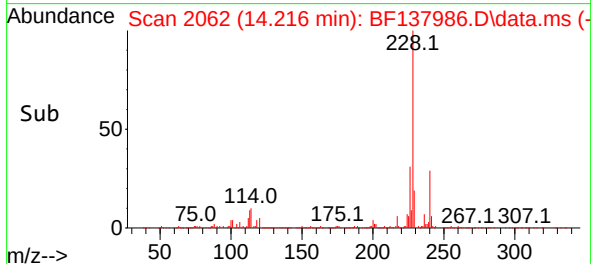
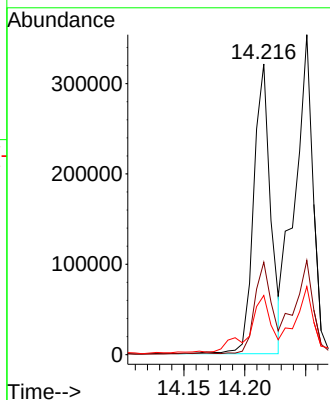
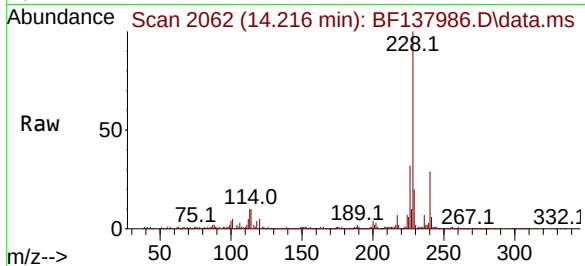




#81
Benzo(a)anthracene
Concen: 15.678 ng
RT: 14.216 min Scan# 2062
Delta R.T. 0.000 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

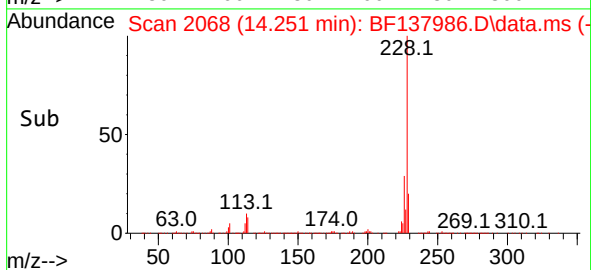
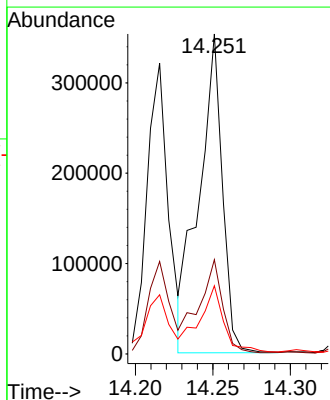
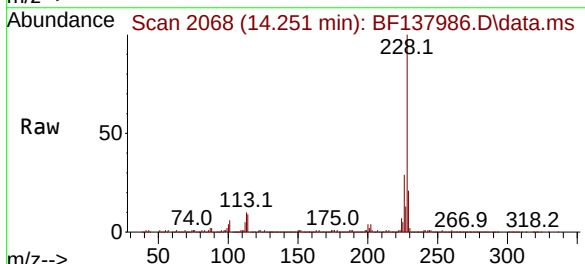
Instrument :
BNA_F
ClientSampleId :
B-112-SB01

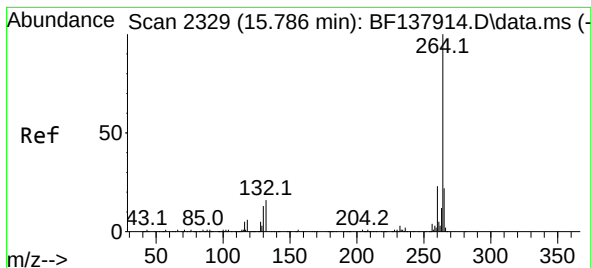
Tgt Ion:228 Resp: 311504
Ion Ratio Lower Upper
228 100
226 31.8 21.3 31.9
229 20.3 15.7 23.5



#83
Chrysene
Concen: 19.529 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Tgt Ion:228 Resp: 371093
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.8
229 21.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.786 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

B-112-SB01

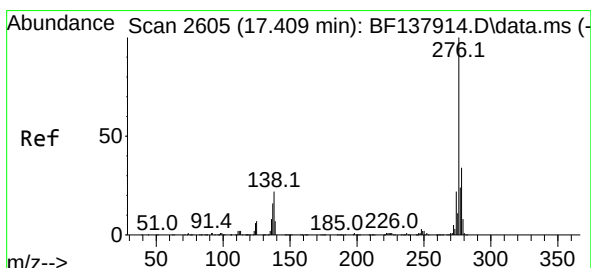
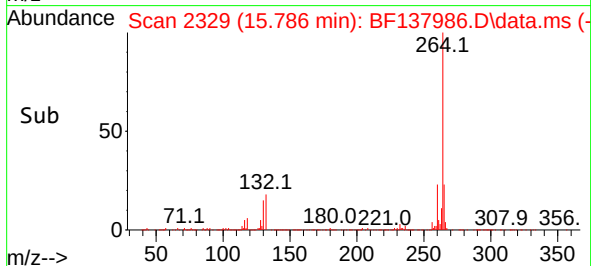
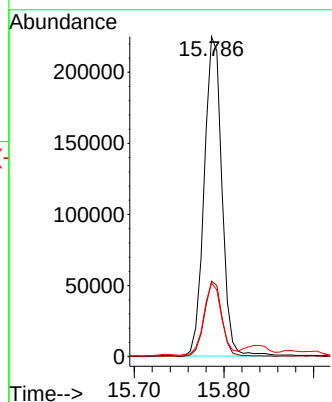
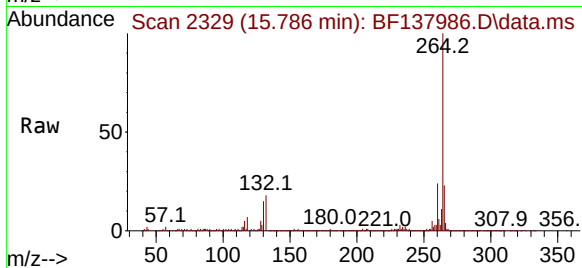
Tgt Ion:264 Resp: 306950

Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 23.0 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.556 ng

RT: 17.404 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

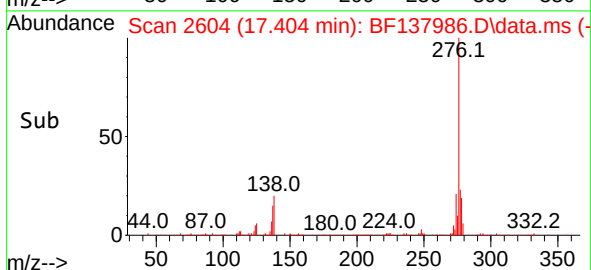
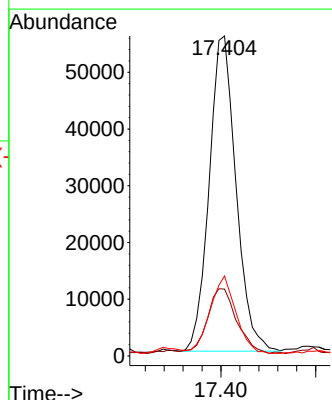
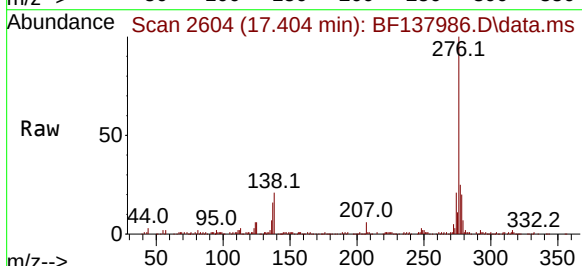
Tgt Ion:276 Resp: 109565

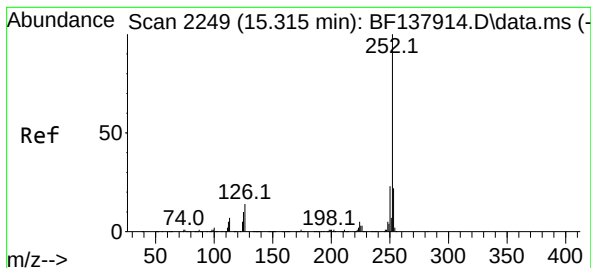
Ion Ratio Lower Upper

276 100

138 22.7 20.6 30.8

277 23.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 38.361 ng

RT: 15.316 min Scan# 2249

Delta R.T. 0.000 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

B-112-SB01

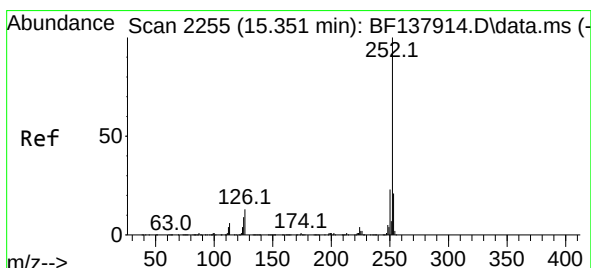
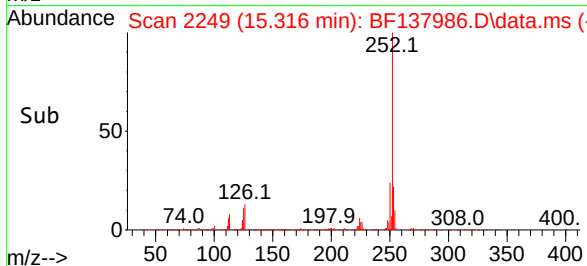
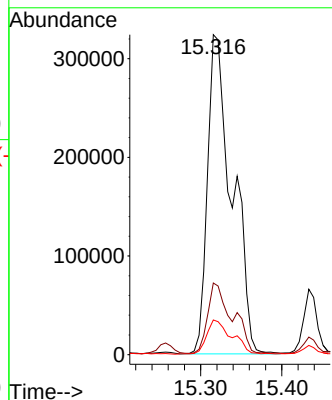
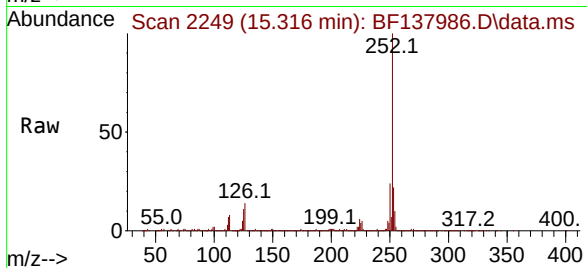
Tgt Ion:252 Resp: 681772

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.9 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 39.048 ng

RT: 15.316 min Scan# 2249

Delta R.T. -0.035 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

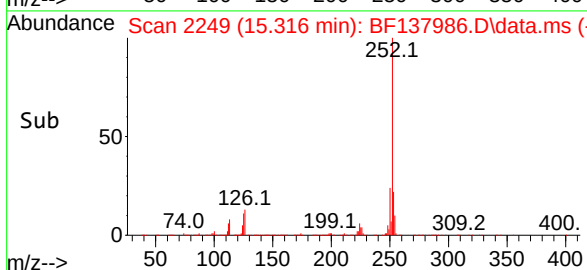
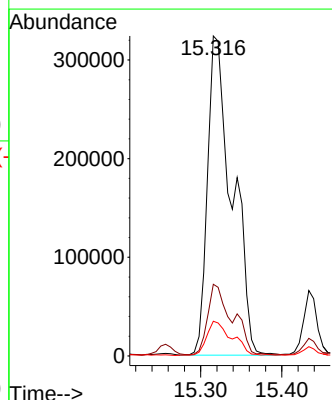
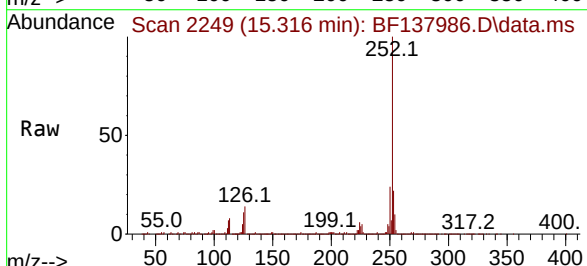
Tgt Ion:252 Resp: 681772

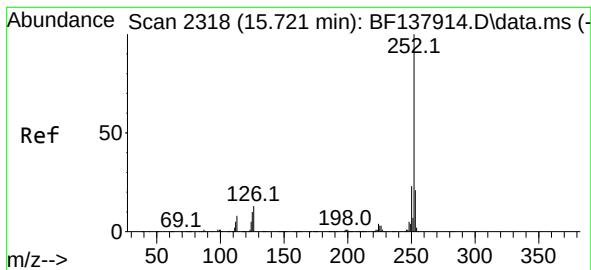
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 10.9 7.7 11.5





#90

Benzo(a)pyrene

Concen: 13.782 ng

RT: 15.721 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

B-112-SB01

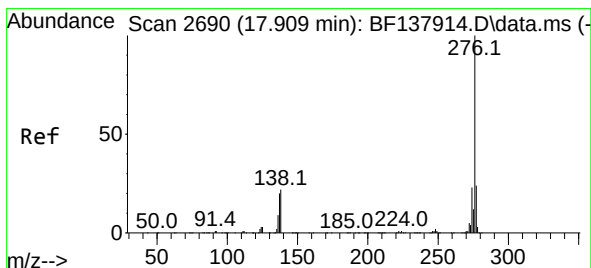
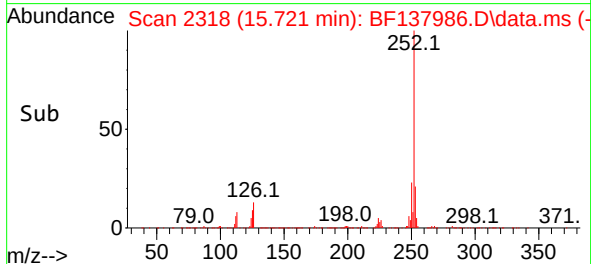
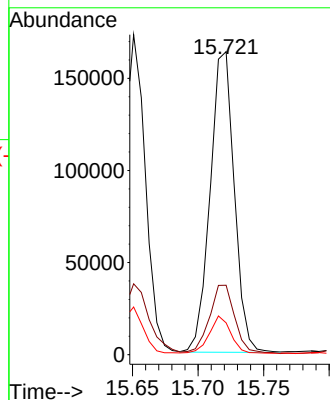
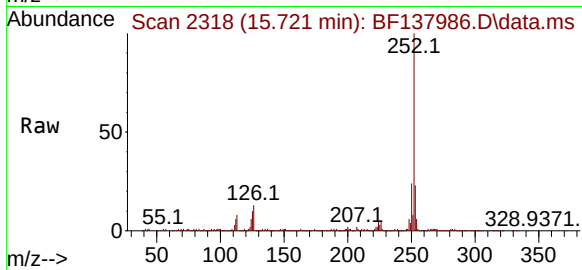
Tgt Ion:252 Resp: 209153

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

125 10.5 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 5.134 ng

RT: 17.898 min Scan# 2688

Delta R.T. -0.012 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Tgt Ion:276 Resp: 87873

Ion Ratio Lower Upper

276 100

277 25.3 18.9 28.3

138 20.2 17.6 26.4

