

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
 Data File : BF137969.D
 Acq On : 20 May 2024 20:06
 Operator : CG\JU
 Sample : P2487-01RX
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A-COMP

Quant Time: May 21 01:21:59 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)

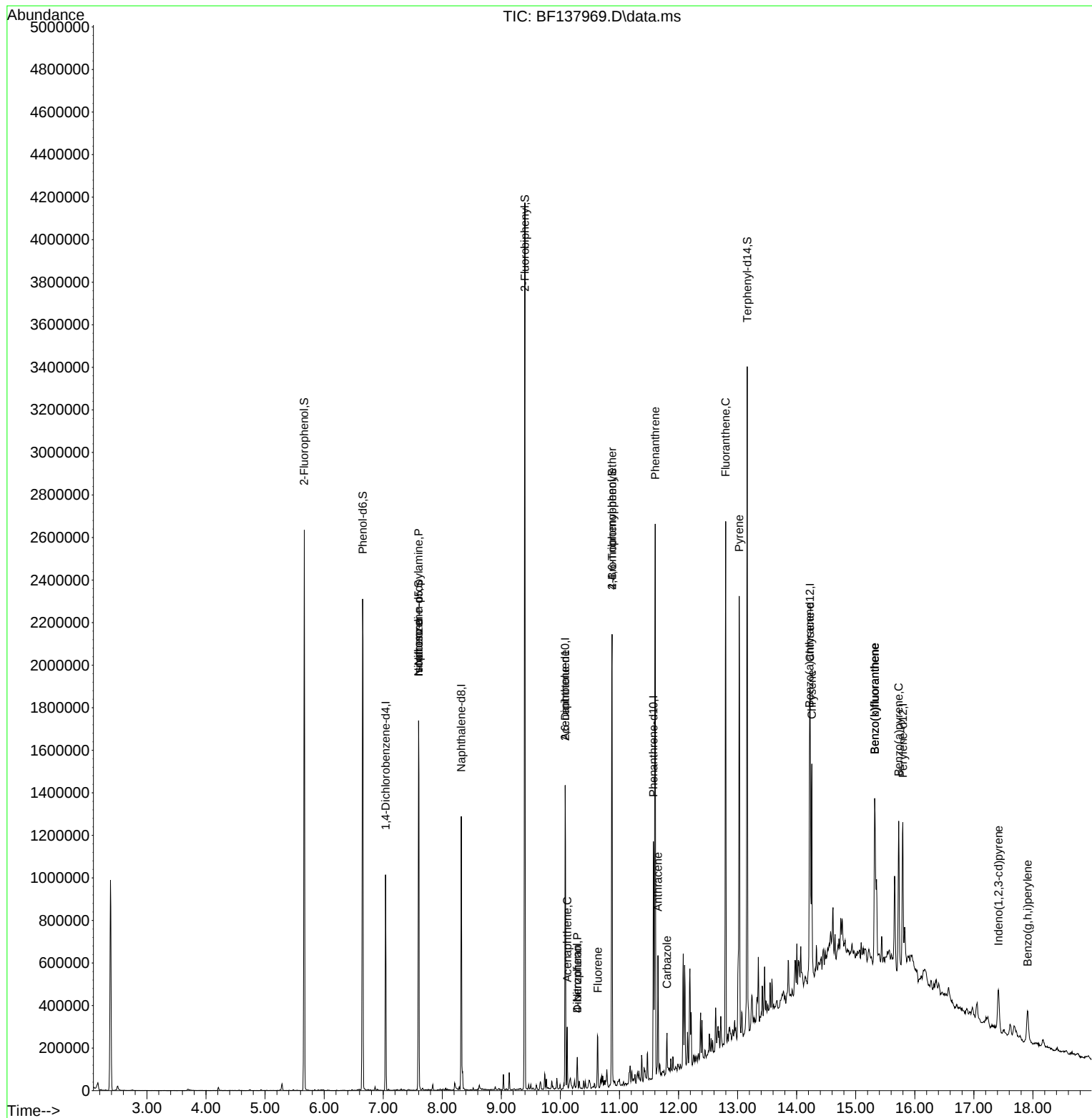
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.040	152	137973	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	522025	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	292222	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	439368	20.000	ng	0.00
76) Chrysene-d12	14.227	240	292365	20.000	ng	0.00
86) Perylene-d12	15.798	264	331272	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	741751	91.320	ng	0.00
7) Phenol-d6	6.651	99	936297	93.577	ng	0.00
23) Nitrobenzene-d5	7.598	82	565312	63.730	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	272732	92.562	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1230356	64.856	ng	0.00
79) Terphenyl-d14	13.163	244	1034231	52.135	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.598	70	74744	13.296	ng	# 75
25) Isophorone	7.598	82	565304	36.720	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	39138	9.306	ng	# 29
52) Acenaphthene	10.116	154	53249	3.425	ng	98
55) Dibenzofuran	10.286	168	47613	2.104	ng	96
56) 4-Nitrophenol	10.286	139	17831	6.038	ng	# 12
58) Fluorene	10.633	166	68762	3.842	ng	100
67) 4-Bromophenyl-phenylether	10.875	248	18214	3.781	ng	# 1
71) Phenanthrene	11.604	178	910690	42.061	ng	99
72) Anthracene	11.651	178	194542	9.056	ng	99
73) Carbazole	11.804	167	67003	3.414	ng	99
75) Fluoranthene	12.798	202	923363	42.015	ng	99
78) Pyrene	13.027	202	868879	33.978	ng	100
81) Benzo(a)anthracene	14.216	228	429296	23.209	ng	97
83) Chrysene	14.257	228	395365	22.350	ng	98
87) Indeno(1,2,3-cd)pyrene	17.415	276	145237	6.824	ng	96
88) Benzo(b)fluoranthene	15.321	252	611285	31.870	ng	98
89) Benzo(k)fluoranthene	15.321	252	611285	32.440	ng	97
90) Benzo(a)pyrene	15.727	252	338428	20.663	ng	# 96
92) Benzo(g,h,i)perylene	17.909	276	133764	7.241	ng	97

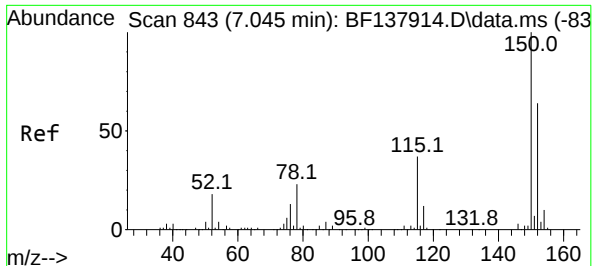
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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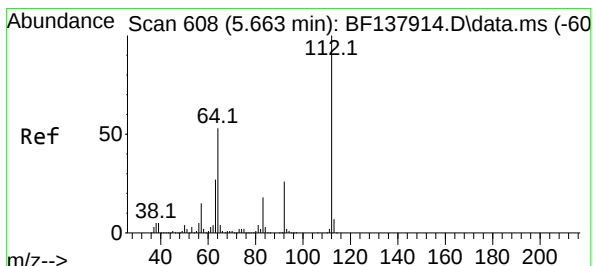
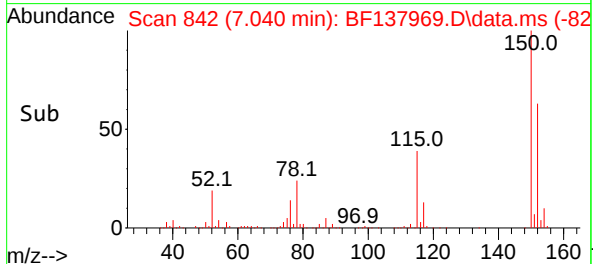
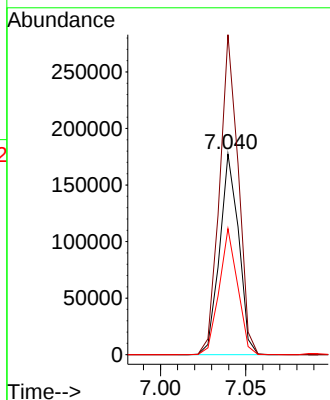
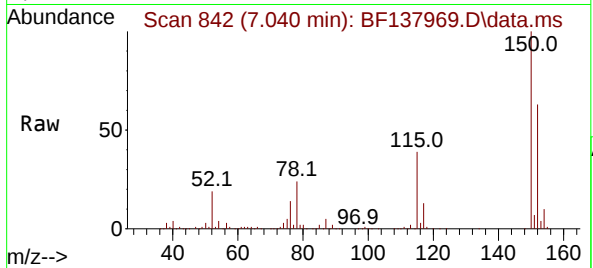




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 843
Delta R.T. -0.005 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

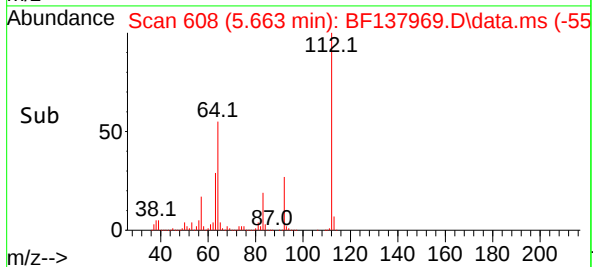
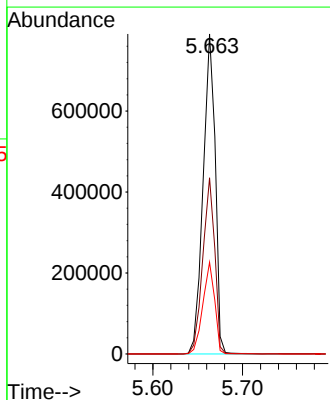
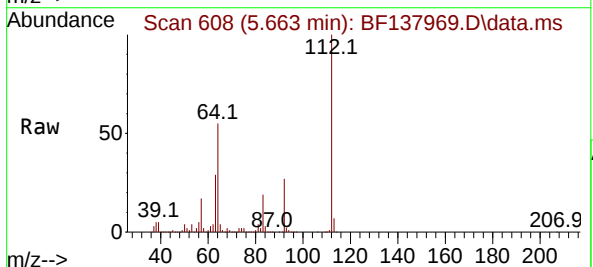
Instrument :
BNA_F
ClientSampleId :
WC-A-COMP

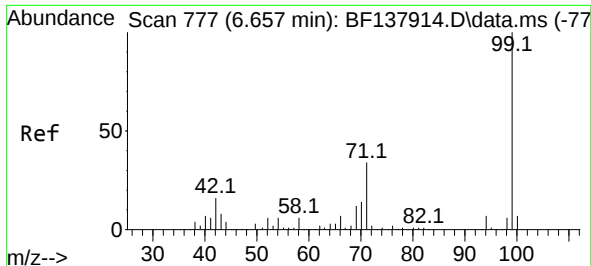
Tgt Ion:152 Resp: 137973
Ion Ratio Lower Upper
152 100
150 159.5 125.7 188.5
115 62.9 47.0 70.6



#5
2-Fluorophenol
Concen: 91.320 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Tgt Ion:112 Resp: 741751
Ion Ratio Lower Upper
112 100
64 55.1 42.4 63.6
63 28.7 21.4 32.2

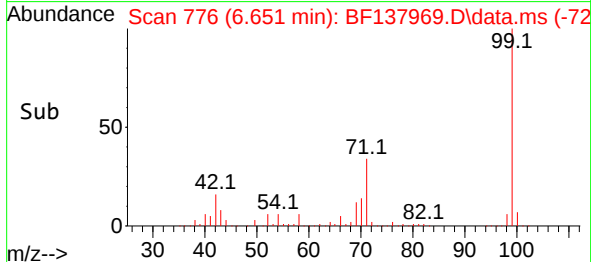
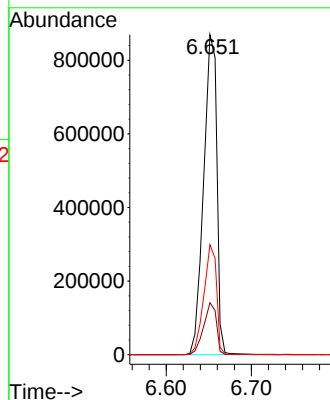
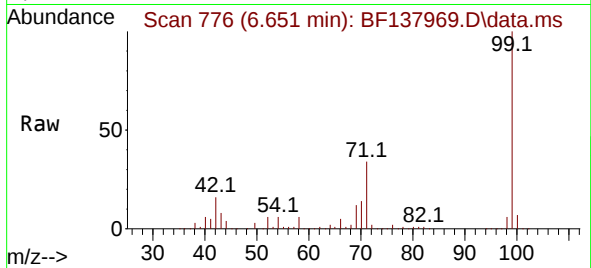




#7
Phenol-d6
Concen: 93.577 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

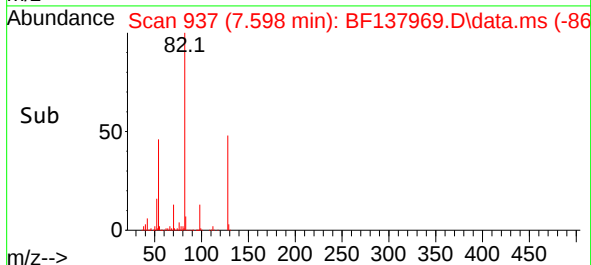
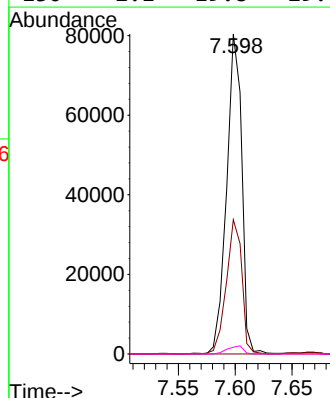
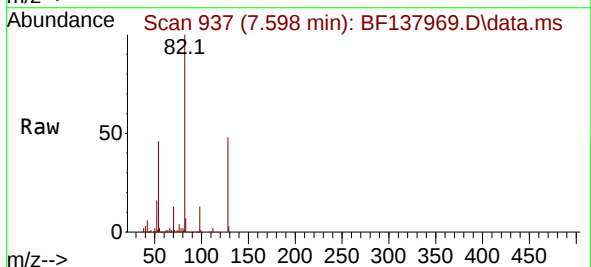
Instrument :
BNA_F
ClientSampleId :
WC-A-COMP

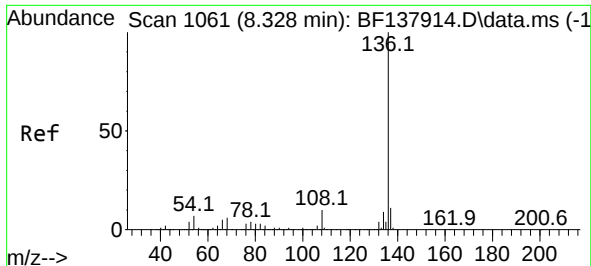
Tgt Ion: 99 Resp: 936297
Ion Ratio Lower Upper
99 100
42 16.2 12.6 18.8
71 34.3 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.296 ng
RT: 7.598 min Scan# 937
Delta R.T. 0.147 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Tgt Ion: 70 Resp: 74744
Ion Ratio Lower Upper
70 100
42 41.9 42.2 63.4#
101 0.0 8.8 13.2#
130 2.1 19.8 29.8#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

Tgt Ion:136 Resp: 522025

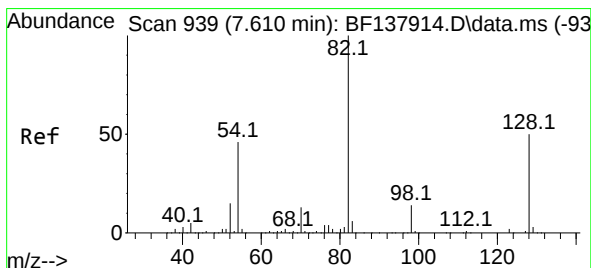
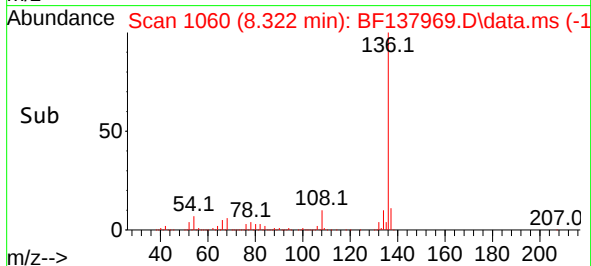
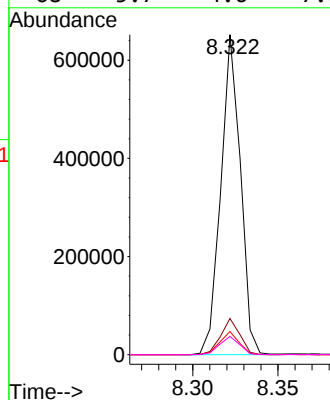
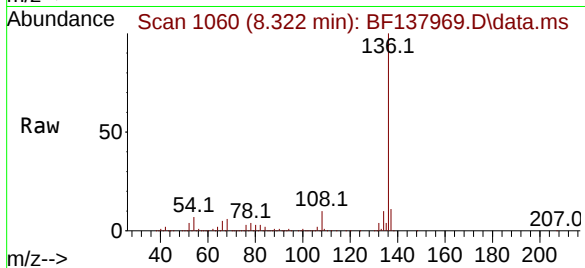
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.3 5.4 8.2

68 5.7 4.6 7.0



#23
Nitrobenzene-d5
Concen: 63.730 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

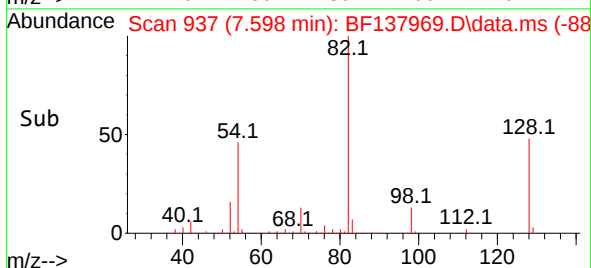
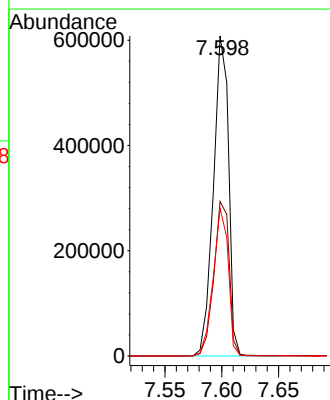
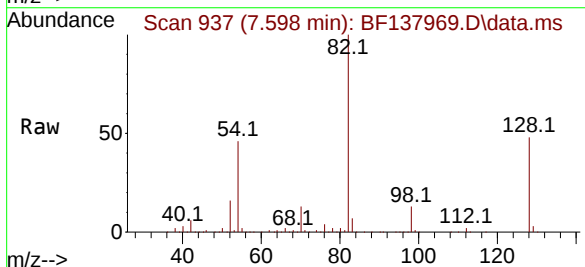
Tgt Ion: 82 Resp: 565312

Ion Ratio Lower Upper

82 100

128 48.3 40.3 60.5

54 46.2 36.8 55.2

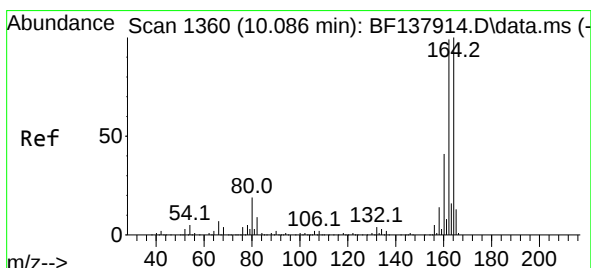
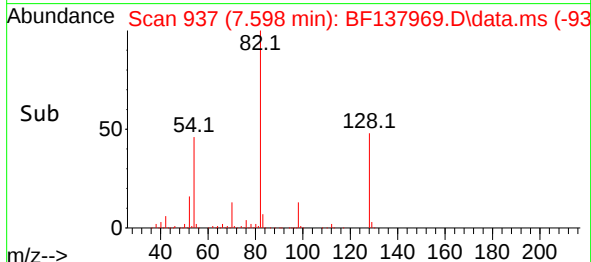
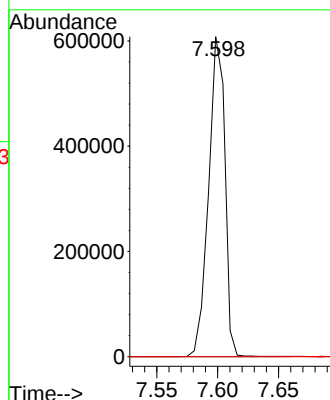
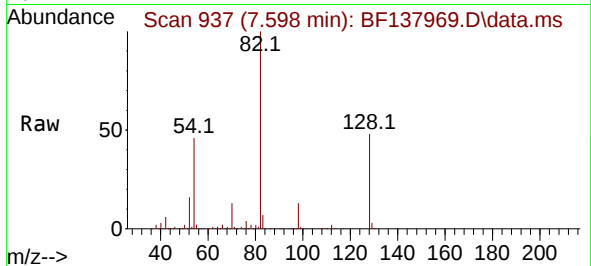




#25
Isophorone
Concen: 36.720 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

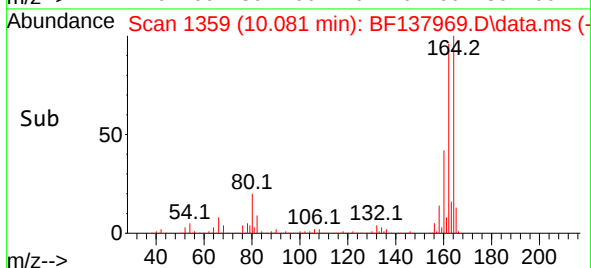
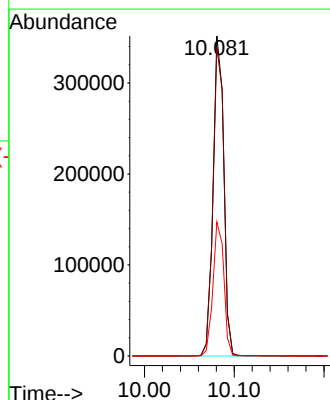
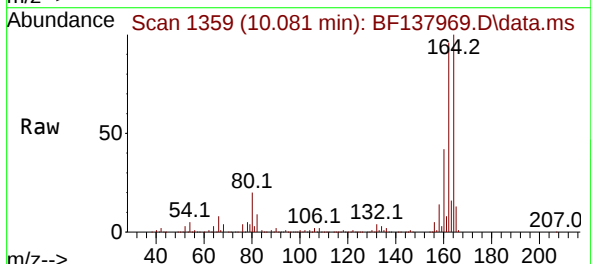
Instrument :
BNA_F
ClientSampleId :
WC-A-COMP

Tgt Ion: 82 Resp: 565304
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: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Tgt Ion:164 Resp: 292222
Ion Ratio Lower Upper
164 100
162 96.4 79.4 119.2
160 41.9 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 92.562 ng

RT: 10.875 min Scan# 1495

Delta R.T. -0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

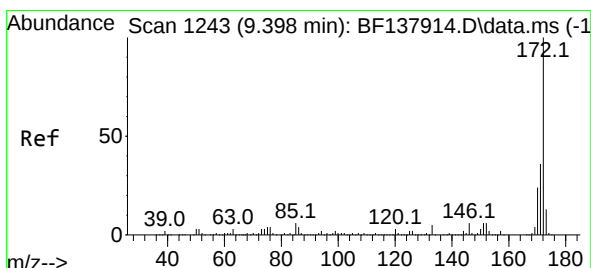
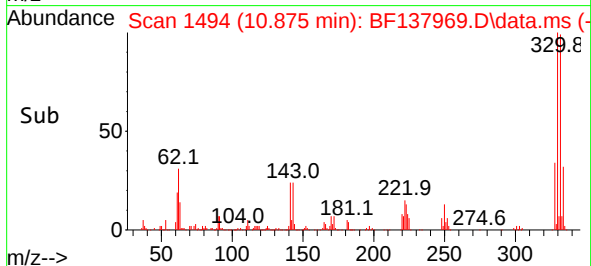
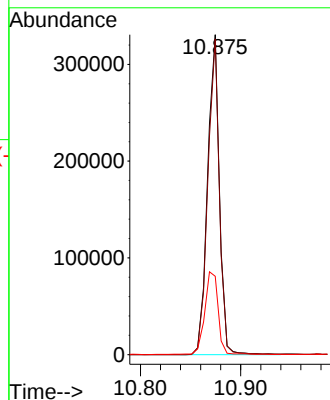
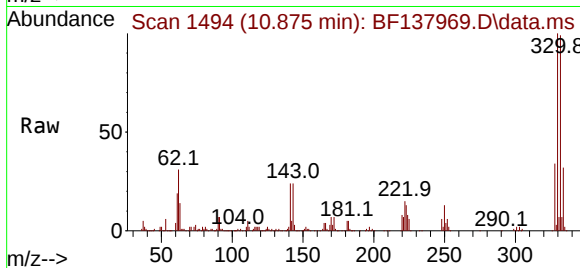
Tgt Ion:330 Resp: 272732

Ion Ratio Lower Upper

330 100

332 96.7 75.8 113.8

141 29.8 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 64.856 ng

RT: 9.398 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

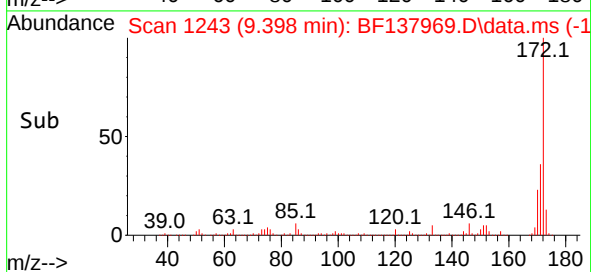
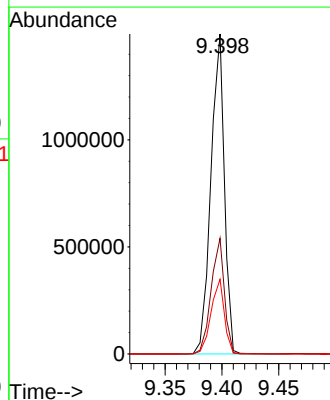
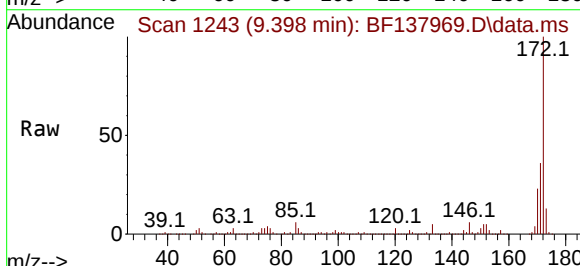
Tgt Ion:172 Resp: 1230356

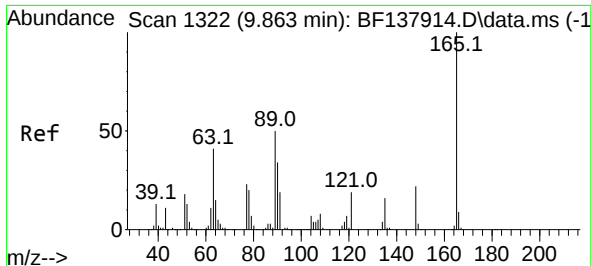
Ion Ratio Lower Upper

172 100

171 36.1 28.9 43.3

170 23.3 18.9 28.3

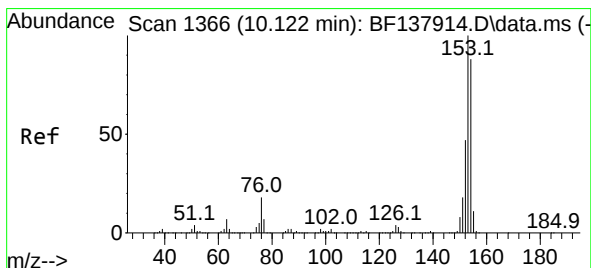
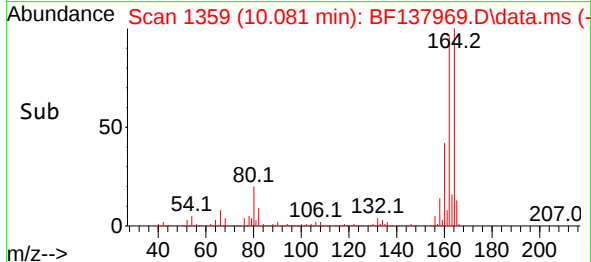
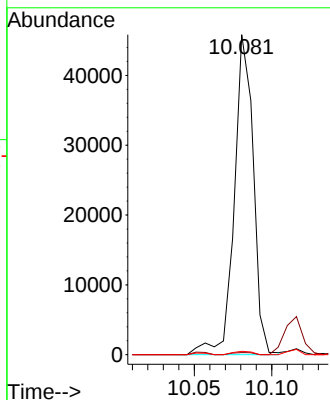
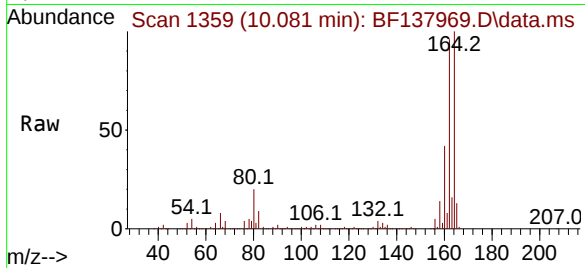




#51
2,6-Dinitrotoluene
Concen: 9.306 ng
RT: 10.081 min Scan# 1359
Delta R.T. 0.218 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

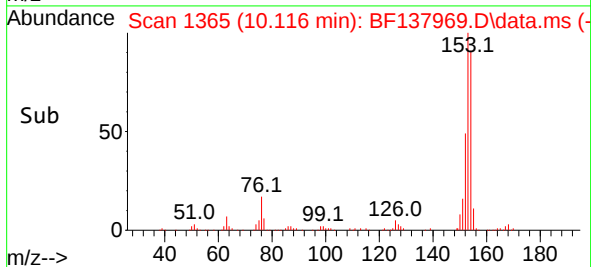
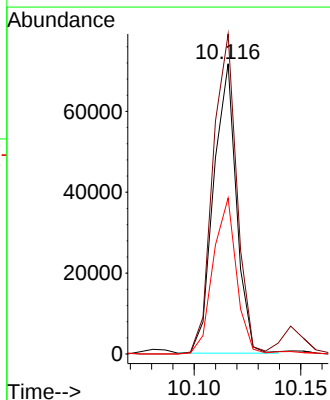
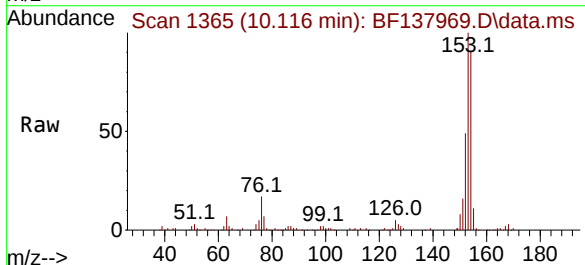
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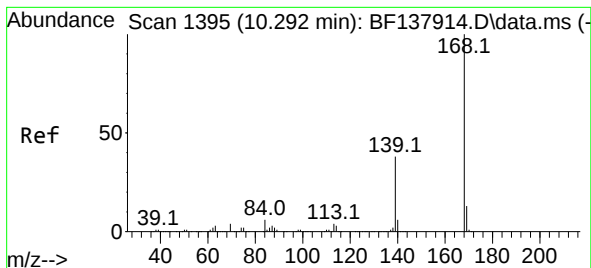
Tgt Ion:165 Resp: 39138
Ion Ratio Lower Upper
165 100
63 0.7 38.9 58.3#
89 1.0 40.4 60.6#



#52
Acenaphthene
Concen: 3.425 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Tgt Ion:154 Resp: 53249
Ion Ratio Lower Upper
154 100
153 110.3 90.4 135.6
152 53.7 42.3 63.5





#55

Dibenzenofuran

Concen: 2.104 ng

RT: 10.286 min Scan# 1394

Delta R.T. -0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

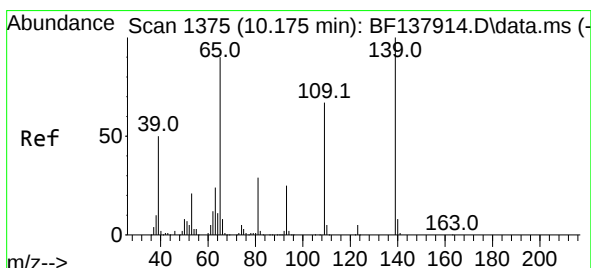
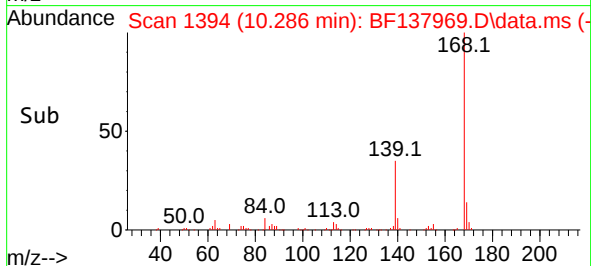
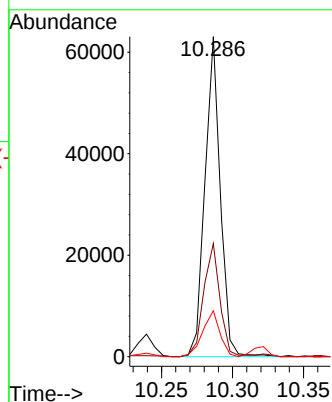
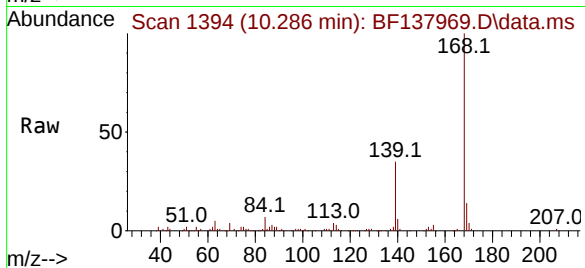
Tgt Ion:168 Resp: 47613

Ion Ratio Lower Upper

168 100

139 35.4 30.4 45.6

169 14.4 10.5 15.7



#56

4-Nitrophenol

Concen: 6.038 ng

RT: 10.286 min Scan# 1394

Delta R.T. 0.112 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

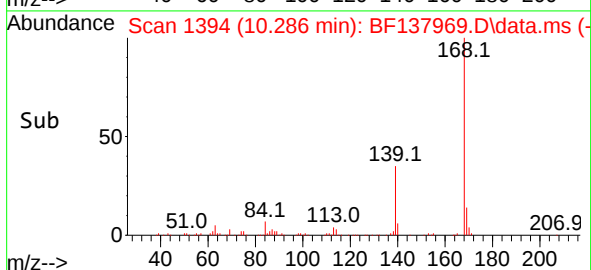
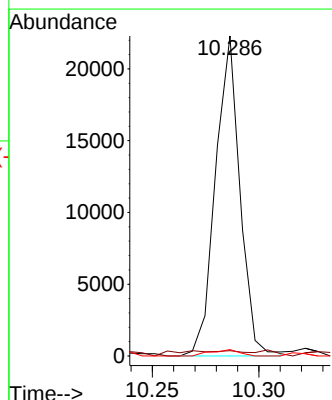
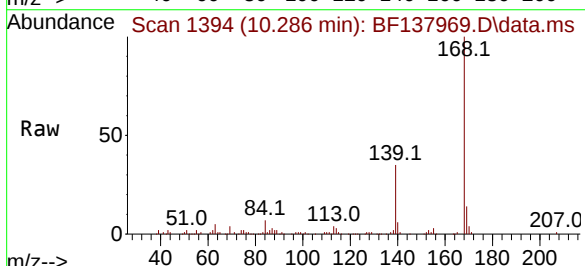
Tgt Ion:139 Resp: 17831

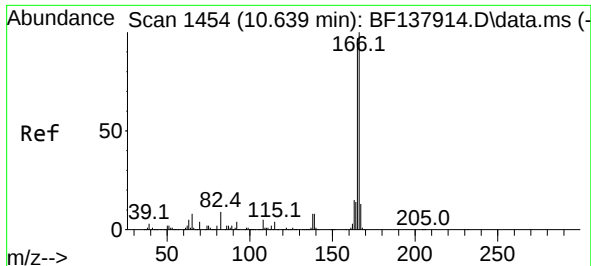
Ion Ratio Lower Upper

139 100

109 1.7 46.5 86.5#

65 2.0 70.4 110.4#

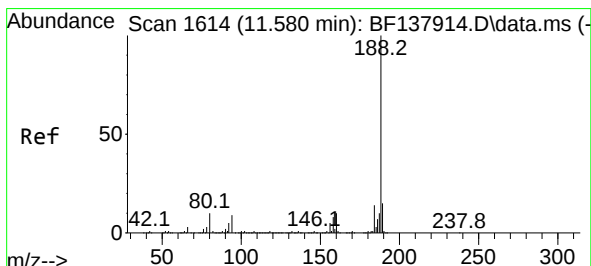
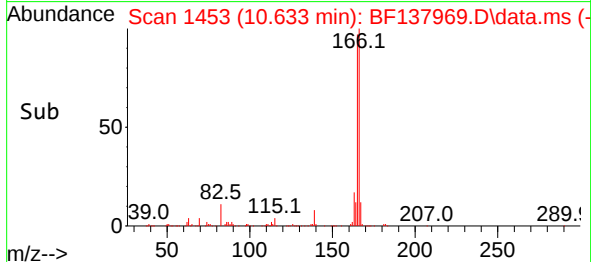
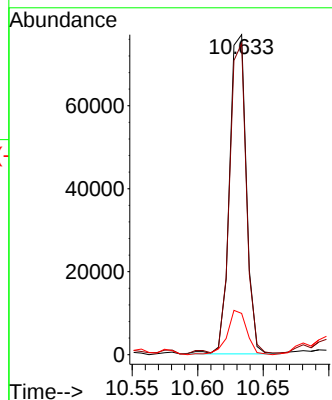
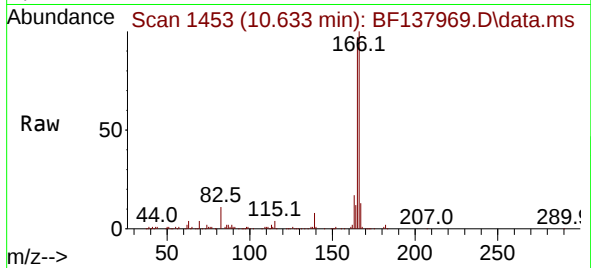




#58
Fluorene
Concen: 3.842 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

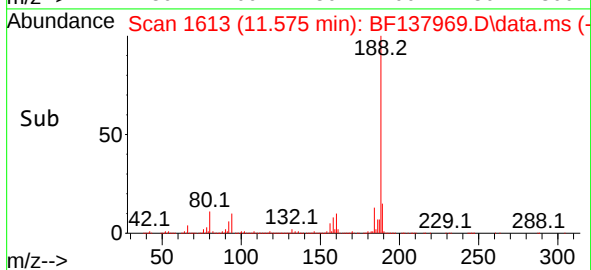
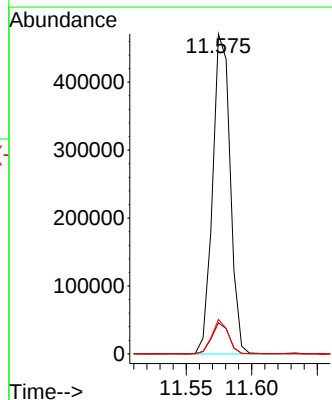
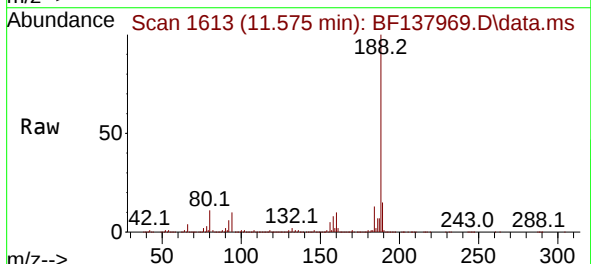
Instrument :
BNA_F
ClientSampleId :
WC-A-COMP

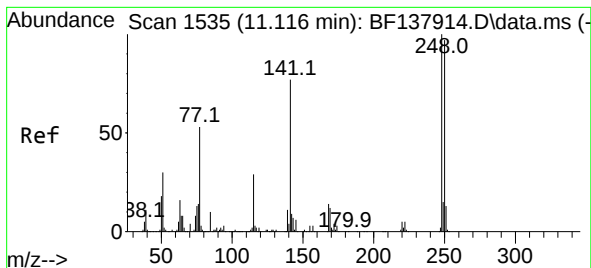
Tgt Ion:166 Resp: 68762
Ion Ratio Lower Upper
166 100
165 97.2 77.8 116.8
167 12.9 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Tgt Ion:188 Resp: 439368
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.4
80 10.8 7.7 11.5

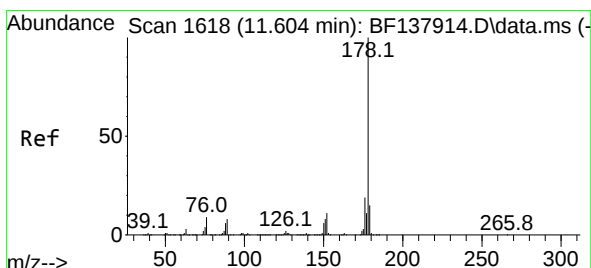
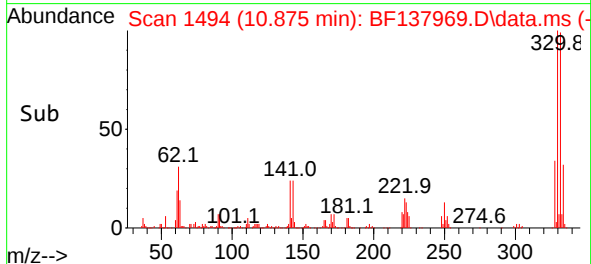
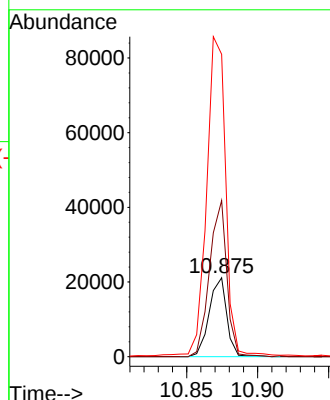
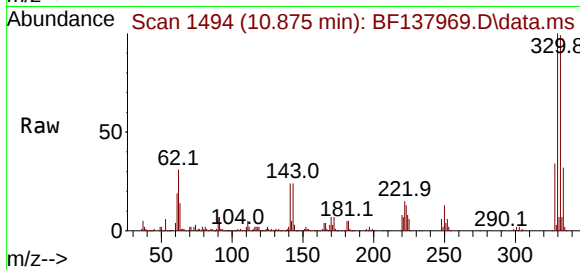




#67
4-Bromophenyl-phenylether
Concen: 3.781 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.241 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

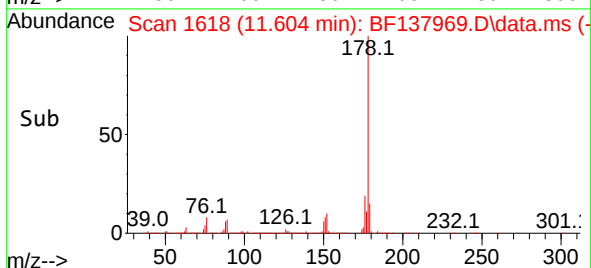
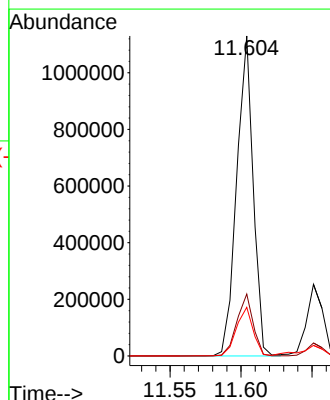
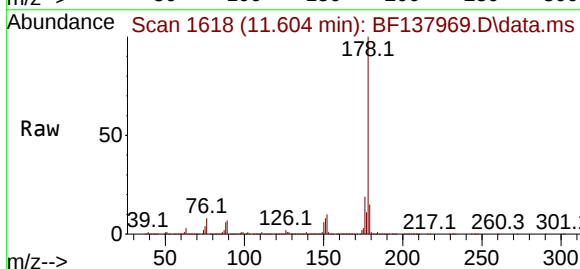
Instrument :
BNA_F
ClientSampleId :
WC-A-COMP

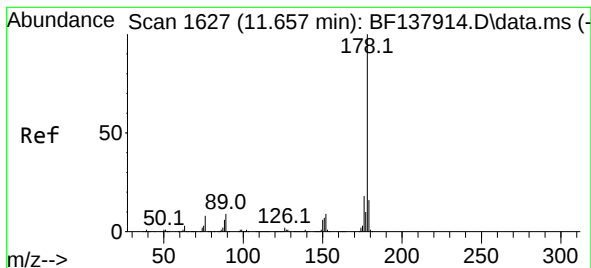
Tgt Ion:248 Resp: 18214
Ion Ratio Lower Upper
248 100
250 197.7 77.6 116.4#
141 383.0 61.4 92.2#



#71
Phenanthrene
Concen: 42.061 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Tgt Ion:178 Resp: 910690
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 15.2 12.2 18.4





#72

Anthracene

Concen: 9.056 ng

RT: 11.651 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

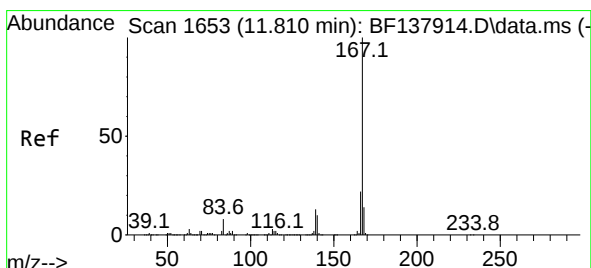
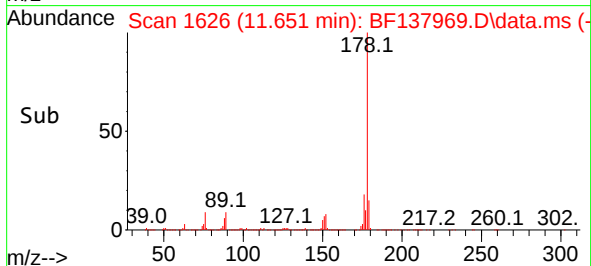
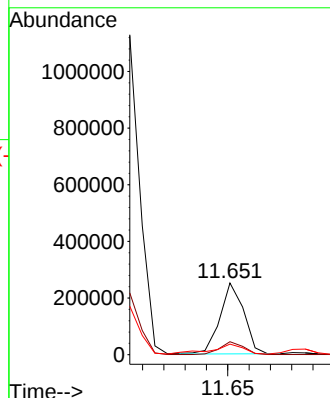
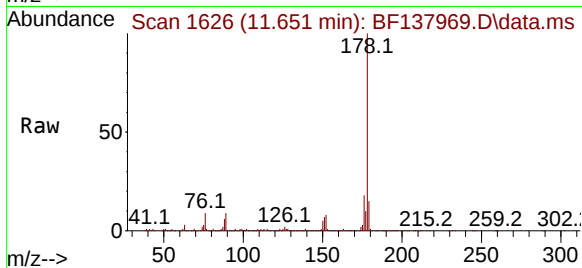
Tgt Ion:178 Resp: 194542

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 14.8 12.4 18.6



#73

Carbazole

Concen: 3.414 ng

RT: 11.804 min Scan# 1652

Delta R.T. -0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

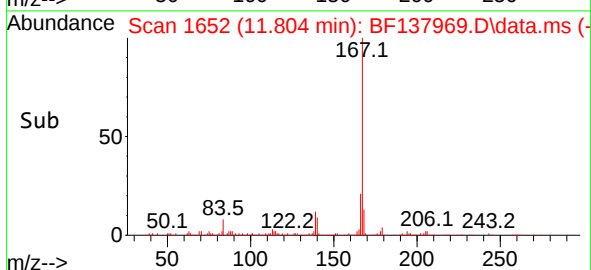
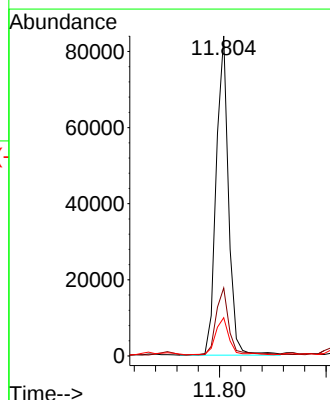
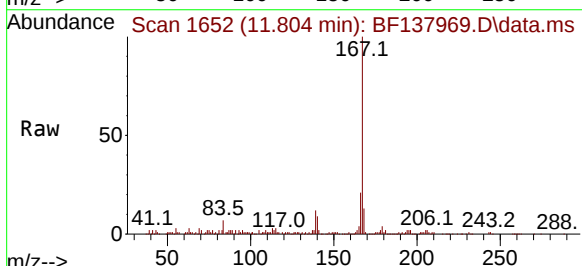
Tgt Ion:167 Resp: 67003

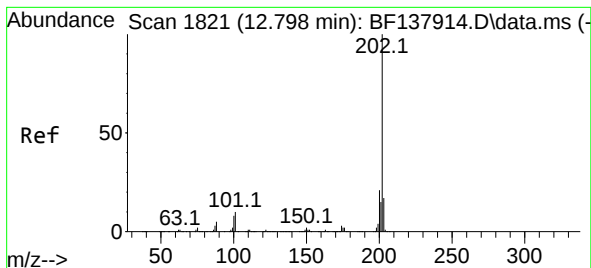
Ion Ratio Lower Upper

167 100

166 21.3 17.3 25.9

139 11.9 10.3 15.5





#75

Fluoranthene

Concen: 42.015 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

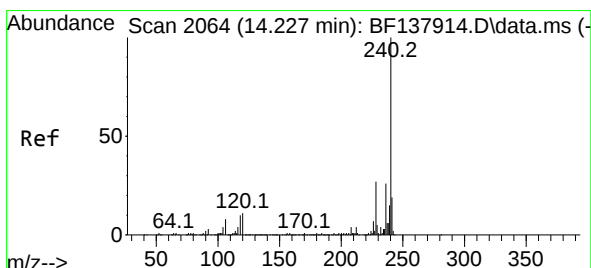
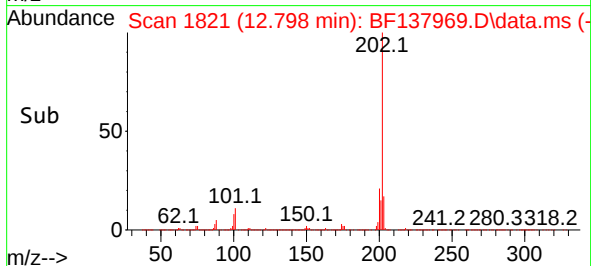
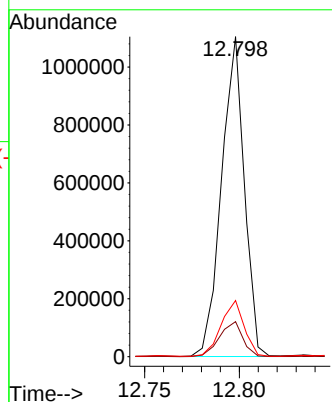
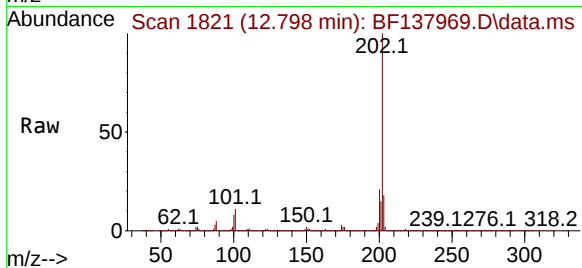
Tgt Ion:202 Resp: 923363

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.5

203 17.6 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: BF137969.D

Acq: 20 May 2024 20:06

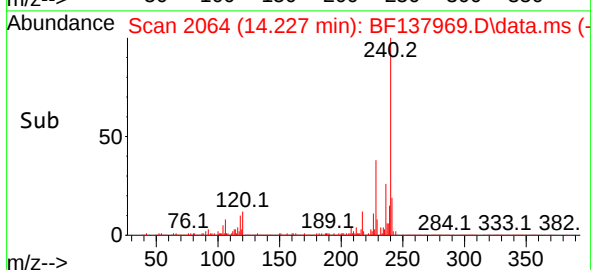
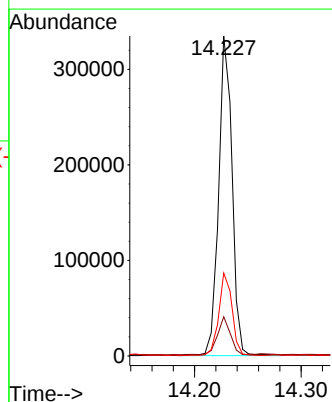
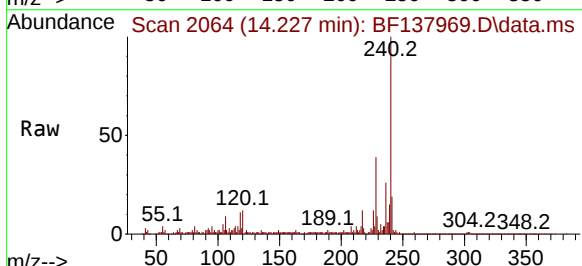
Tgt Ion:240 Resp: 292365

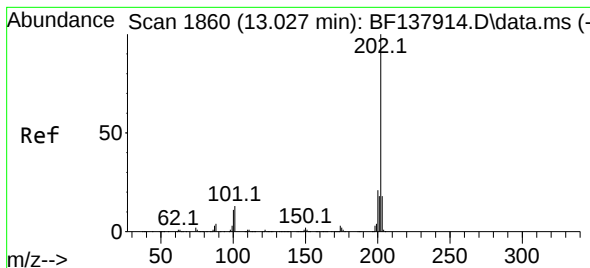
Ion Ratio Lower Upper

240 100

120 12.3 8.9 13.3

236 25.9 21.0 31.4





#78

Pyrene

Concen: 33.978 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

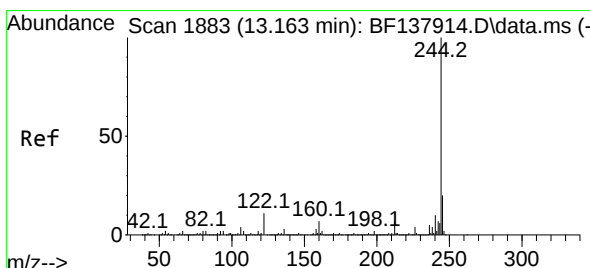
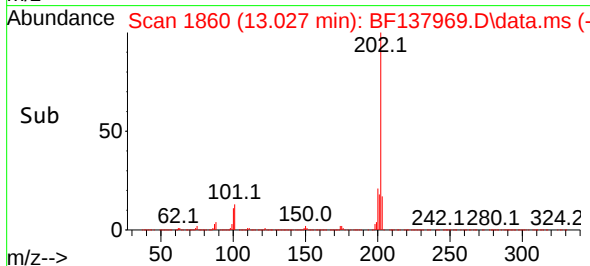
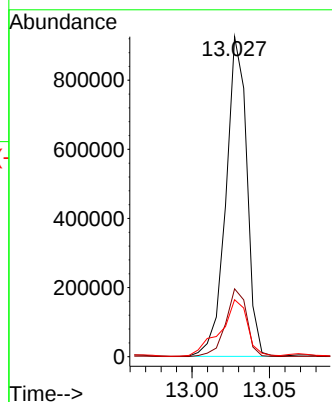
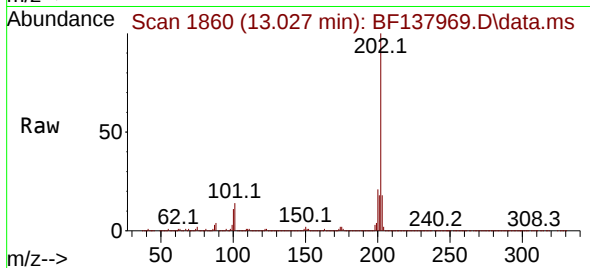
Tgt Ion:202 Resp: 868879

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 52.135 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

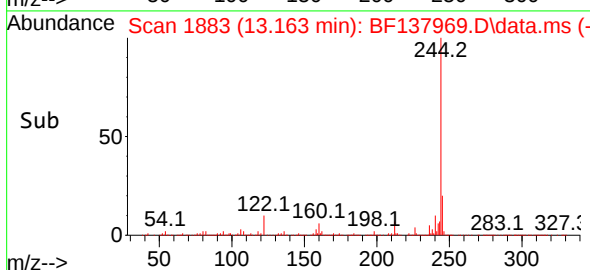
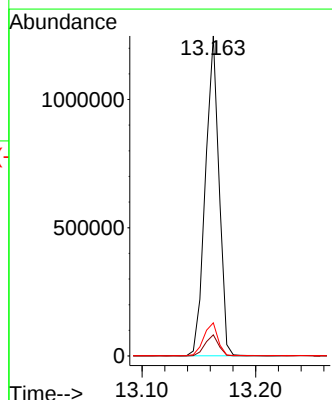
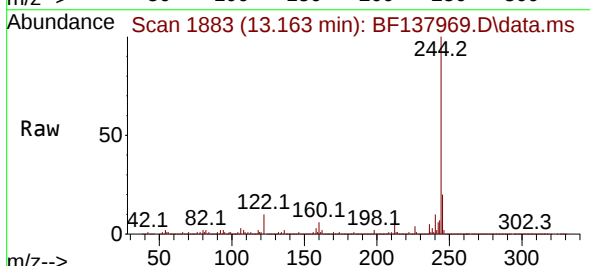
Tgt Ion:244 Resp: 1034231

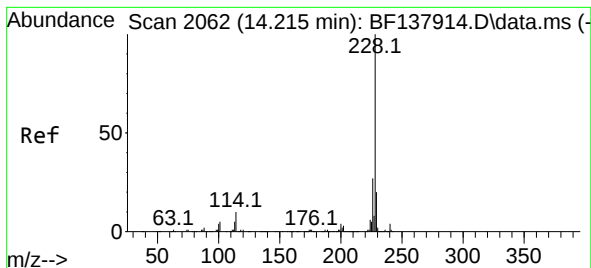
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.3 8.8 13.2





#81

Benzo(a)anthracene

Concen: 23.209 ng

RT: 14.216 min Scan# 2062

Delta R.T. 0.000 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

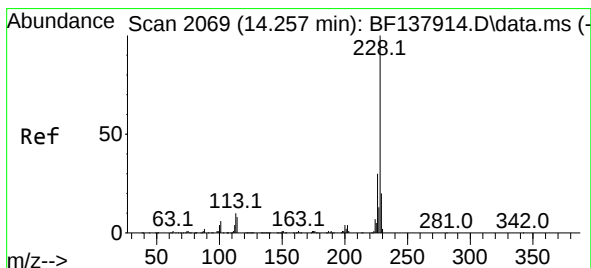
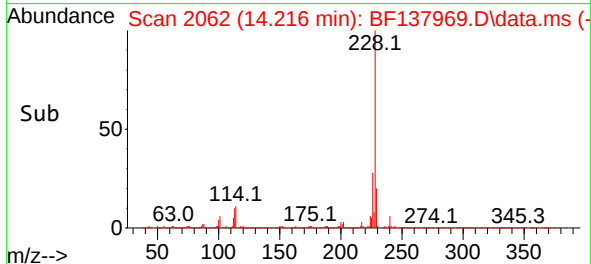
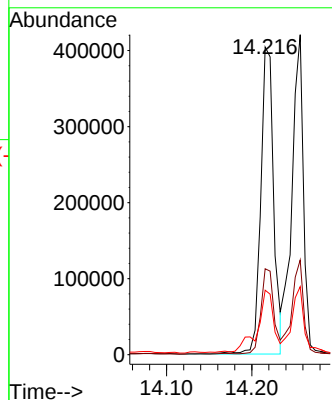
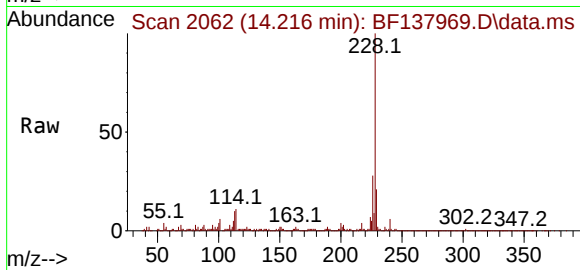
Tgt Ion:228 Resp: 429296

Ion Ratio Lower Upper

228 100

226 27.9 21.3 31.9

229 21.0 15.7 23.5



#83

Chrysene

Concen: 22.350 ng

RT: 14.257 min Scan# 2069

Delta R.T. 0.000 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

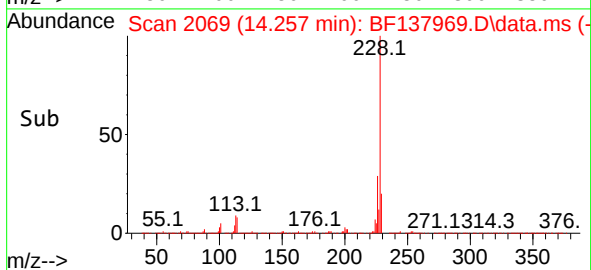
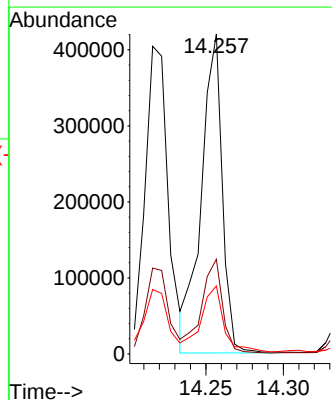
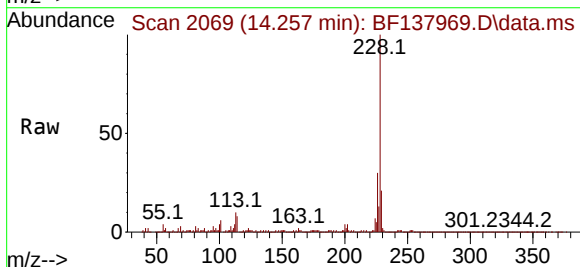
Tgt Ion:228 Resp: 395365

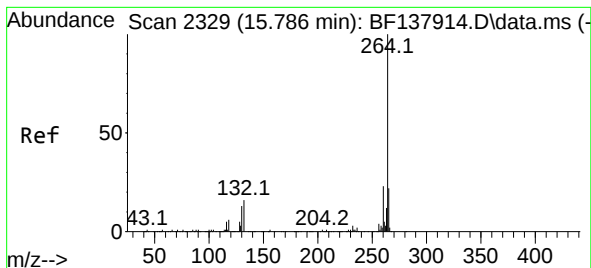
Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 21.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

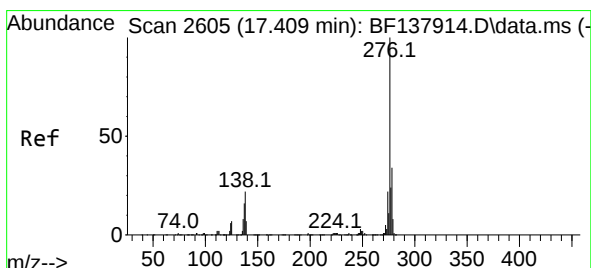
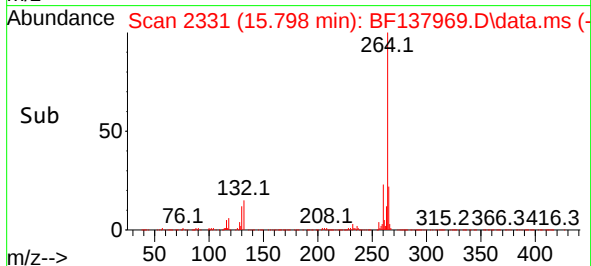
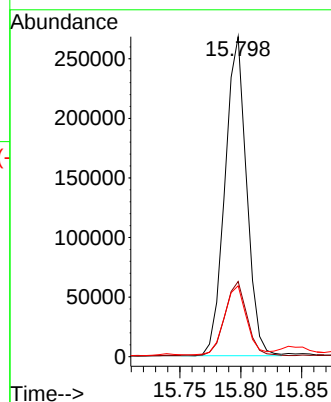
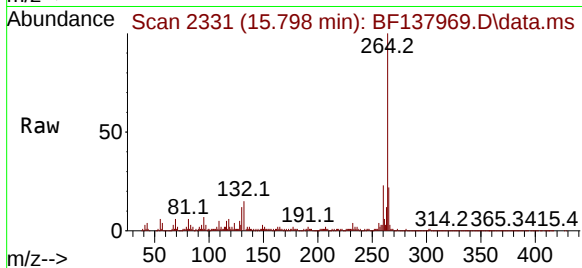
Tgt Ion:264 Resp: 331272

Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

265 22.2 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.824 ng

RT: 17.415 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

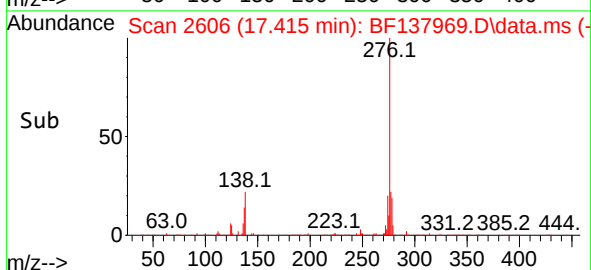
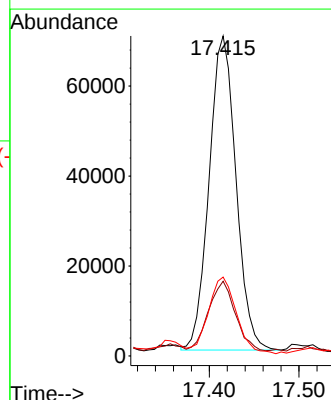
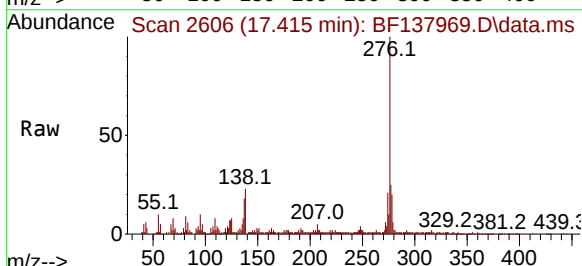
Tgt Ion:276 Resp: 145237

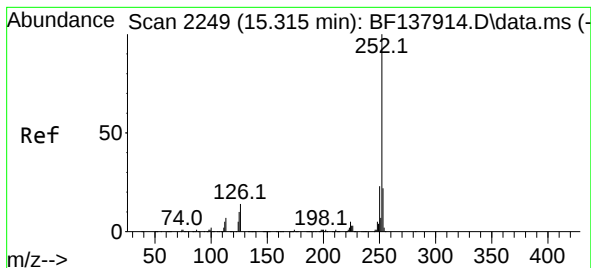
Ion Ratio Lower Upper

276 100

138 22.0 20.6 30.8

277 25.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 31.870 ng

RT: 15.321 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

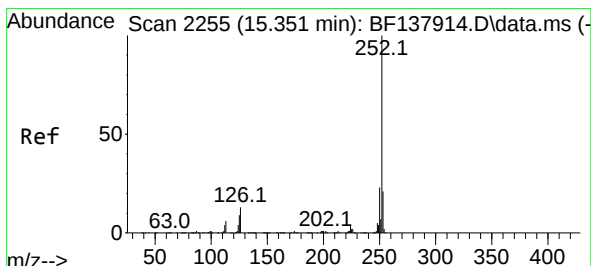
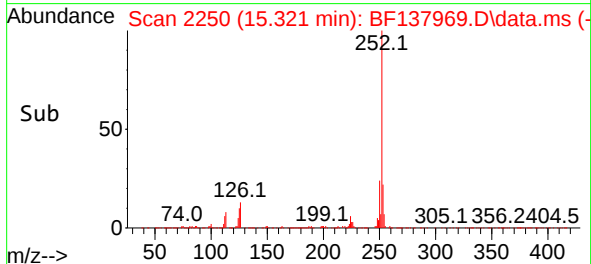
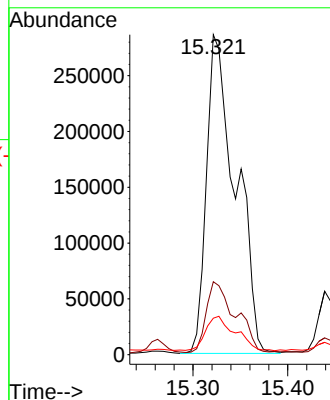
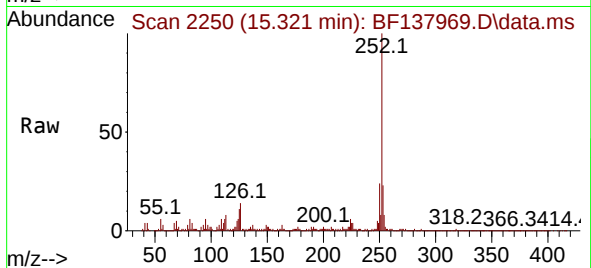
Tgt Ion:252 Resp: 611285

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 11.4 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 32.440 ng

RT: 15.321 min Scan# 2250

Delta R.T. -0.029 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

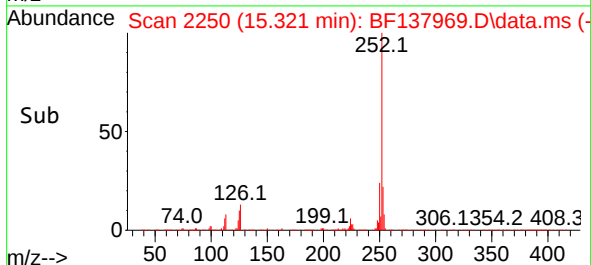
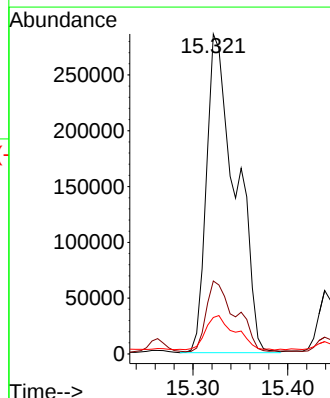
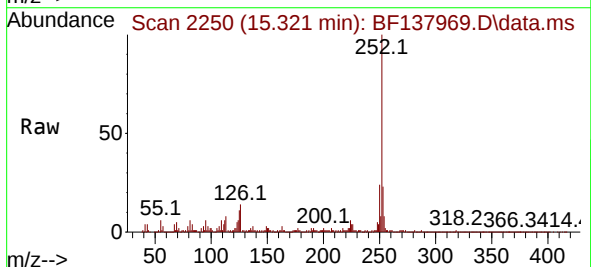
Tgt Ion:252 Resp: 611285

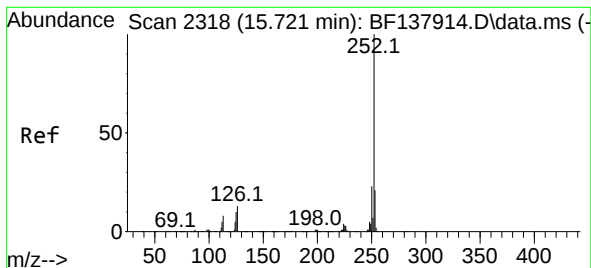
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 11.4 7.7 11.5





#90

Benzo(a)pyrene

Concen: 20.663 ng

RT: 15.727 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

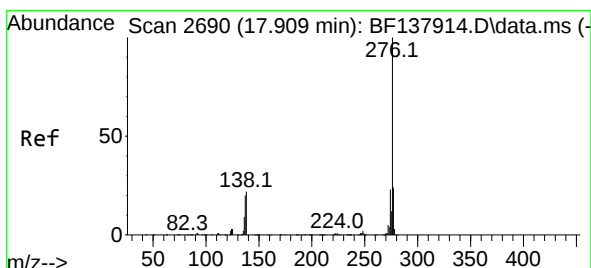
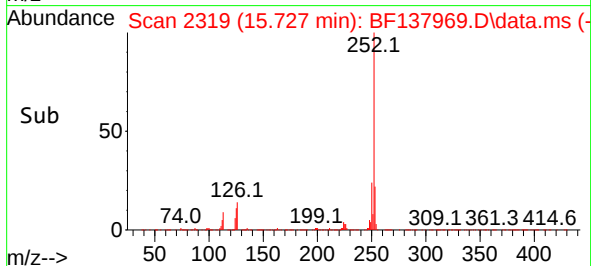
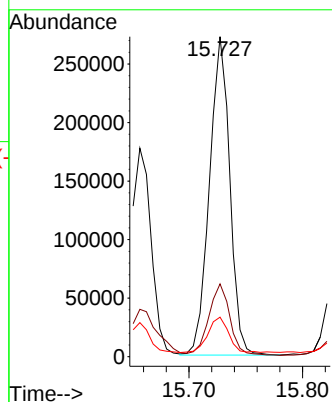
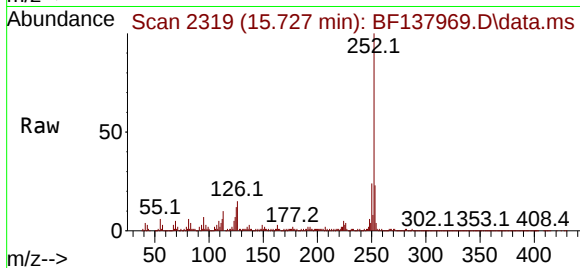
Tgt Ion:252 Resp: 338428

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 12.3 7.8 11.8#



#92

Benzo(g,h,i)perylene

Concen: 7.241 ng

RT: 17.909 min Scan# 2690

Delta R.T. 0.000 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Tgt Ion:276 Resp: 133764

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 24.5 17.6 26.4

