

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
 Data File : BF137963.D
 Acq On : 20 May 2024 17:08
 Operator : CG\JU
 Sample : P2512-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPI

Quant Time: May 20 17:38:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

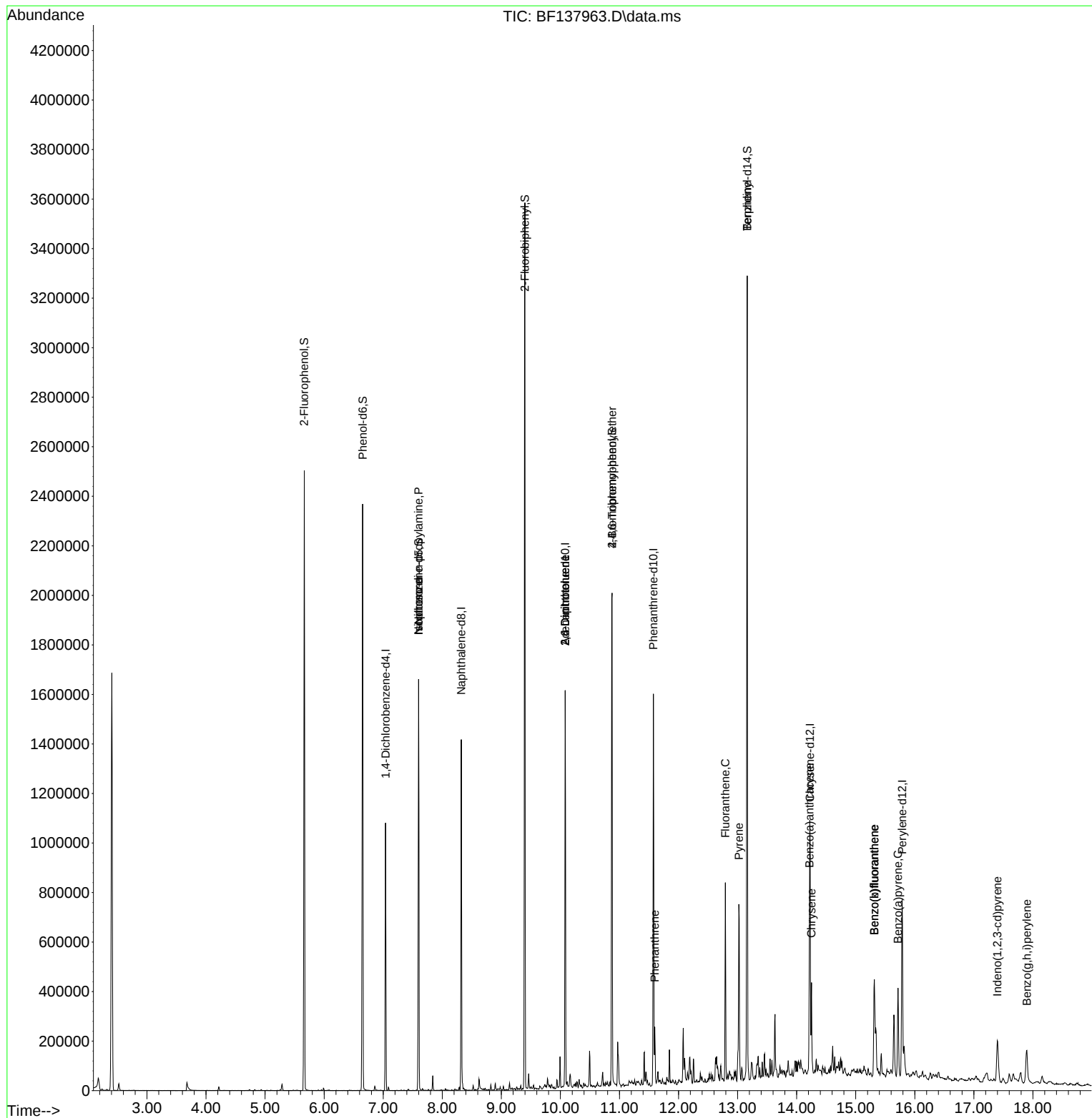
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.040	152	143975	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	556186	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	319472	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	545165	20.000	ng	0.00
76) Chrysene-d12	14.227	240	303469	20.000	ng	0.00
86) Perylene-d12	15.786	264	351087	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	693367	81.805	ng	0.00
7) Phenol-d6	6.651	99	862798	82.636	ng	0.00
23) Nitrobenzene-d5	7.598	82	513335	54.316	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	278525	86.465	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1085755	52.351	ng	0.00
79) Terphenyl-d14	13.163	244	1090149	52.943	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.598	70	66619	11.357	ng	# 76
25) Isophorone	7.598	82	513329	31.296	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	41409	9.006	ng	# 29
57) 2,4-Dinitrotoluene	10.081	165	41409	6.966	ng	# 33
67) 4-Bromophenyl-phenylether	10.875	248	17852	2.987	ng	# 1
71) Phenanthrene	11.598	178	71268	2.653	ng	99
75) Fluoranthene	12.792	202	271448	9.955	ng	98
77) Benzidine	13.163	184	13212	3.331	ng	# 91
78) Pyrene	13.022	202	287600	10.835	ng	99
81) Benzo(a)anthracene	14.216	228	142214	7.407	ng	96
83) Chrysene	14.251	228	143731	7.828	ng	98
87) Indeno(1,2,3-cd)pyrene	17.398	276	118433	5.251	ng	97
88) Benzo(b)fluoranthene	15.316	252	313622	15.428	ng	100
89) Benzo(k)fluoranthene	15.316	252	313622	15.704	ng	99
90) Benzo(a)pyrene	15.716	252	178878	10.305	ng	96
92) Benzo(g,h,i)perylene	17.898	276	114713	5.859	ng	100

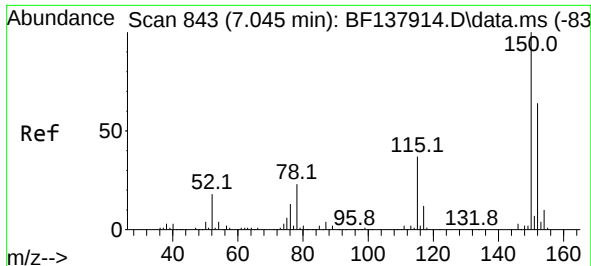
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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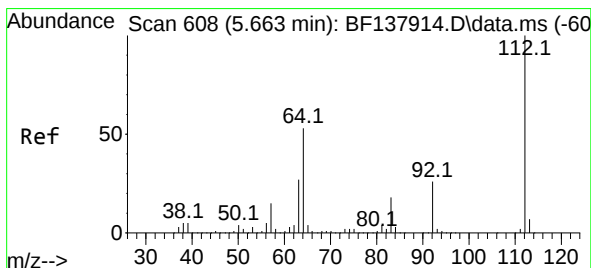
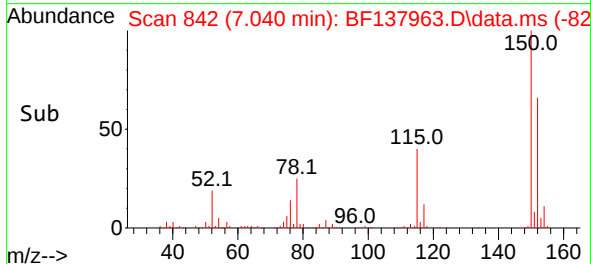
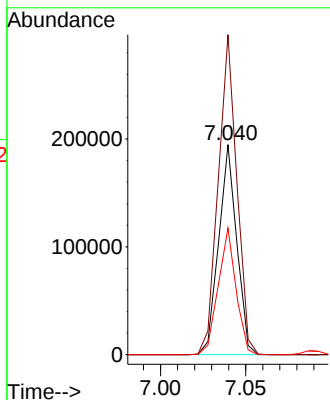
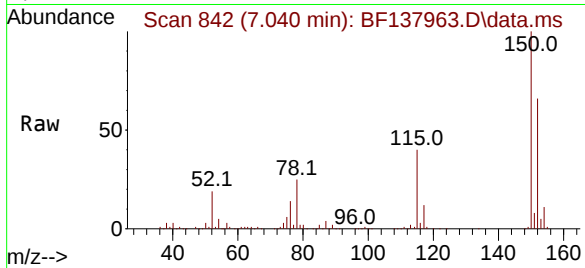




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 84
Delta R.T. -0.005 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

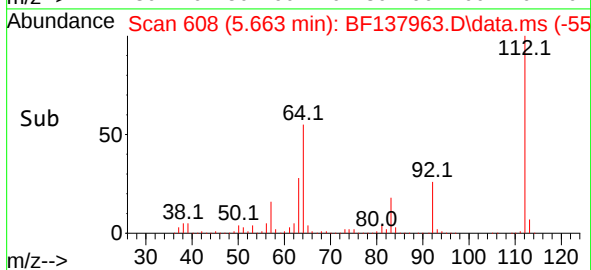
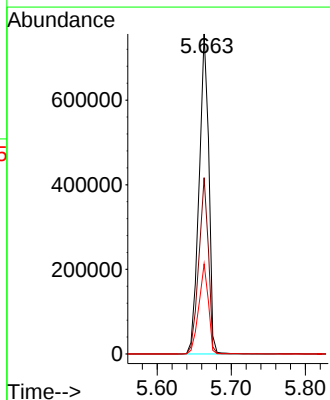
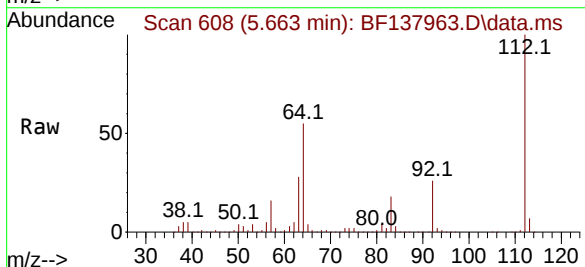
Instrument :
BNA_F
ClientSampleId :
WCS-TPI

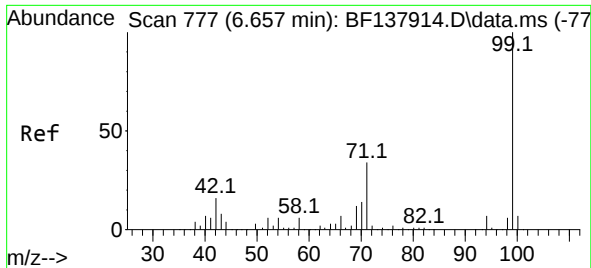
Tgt Ion:152 Resp: 143975
Ion Ratio Lower Upper
152 100
150 152.3 125.7 188.5
115 60.2 47.0 70.6



#5
2-Fluorophenol
Concen: 81.805 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion:112 Resp: 693367
Ion Ratio Lower Upper
112 100
64 55.1 42.4 63.6
63 28.2 21.4 32.2

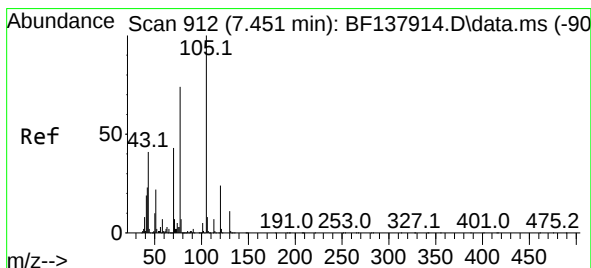
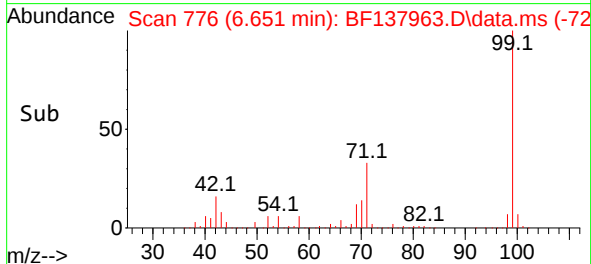
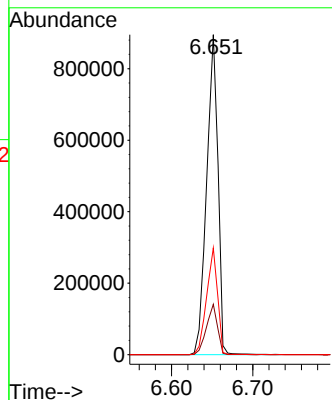
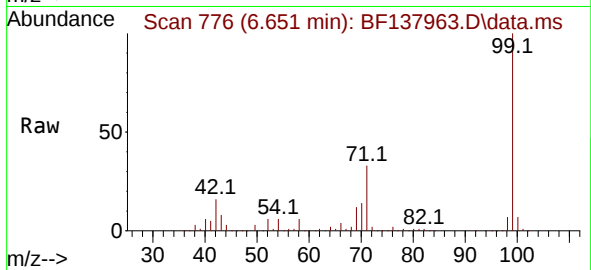




#7
Phenol-d6
Concen: 82.636 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

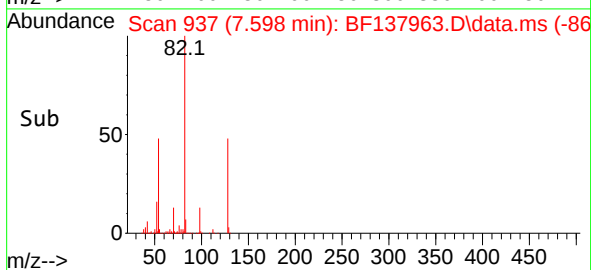
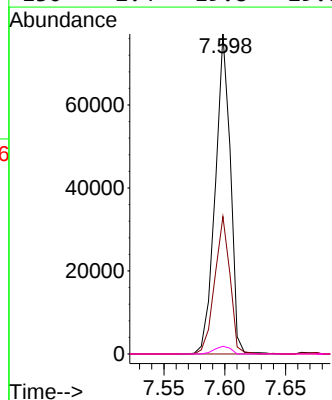
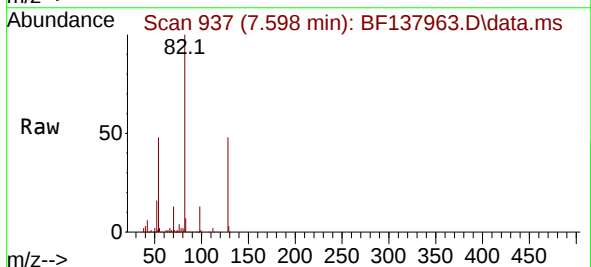
Instrument :
BNA_F
ClientSampleId :
WCS-TPI

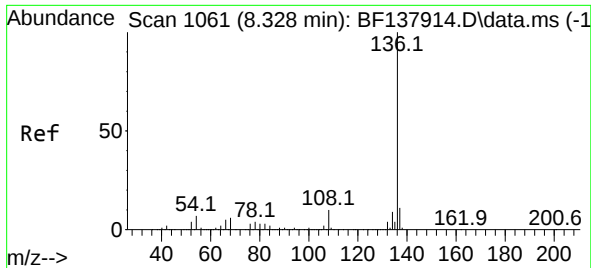
Tgt Ion: 99 Resp: 862798
Ion Ratio Lower Upper
99 100
42 15.7 12.6 18.8
71 33.4 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.357 ng
RT: 7.598 min Scan# 937
Delta R.T. 0.147 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion: 70 Resp: 66619
Ion Ratio Lower Upper
70 100
42 43.0 42.2 63.4
101 0.0 8.8 13.2#
130 2.4 19.8 29.8#

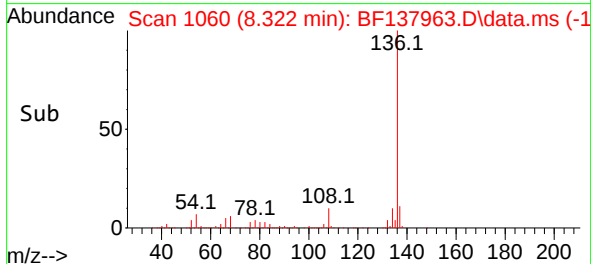
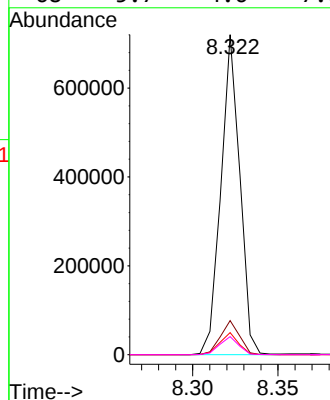
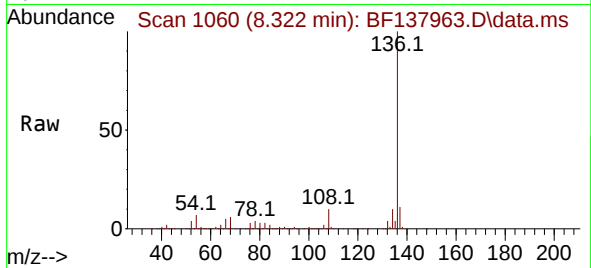




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

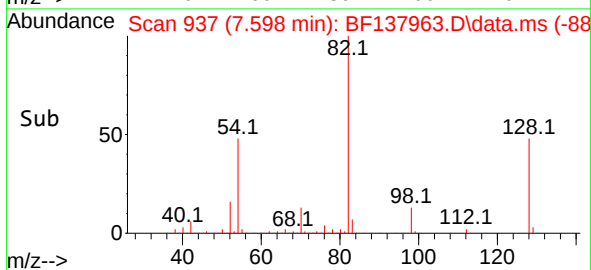
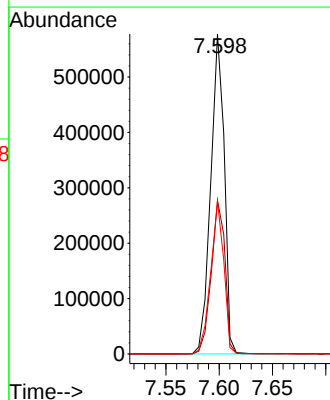
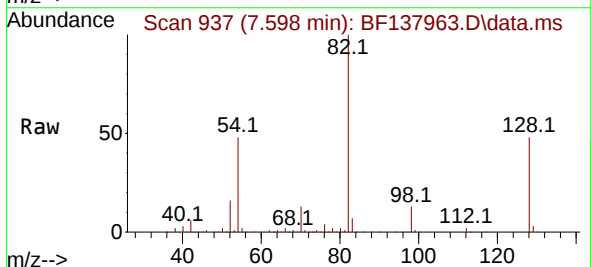
Instrument :
BNA_F
ClientSampleId :
WCS-TPI

Tgt Ion:136	Resp: 556186
Ion Ratio	Lower Upper
136 100	
137 10.7	8.7 13.1
54 6.9	5.4 8.2
68 5.7	4.6 7.0



#23
Nitrobenzene-d5
Concen: 54.316 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion: 82	Resp: 513335
Ion Ratio	Lower Upper
82 100	
128 48.1	40.3 60.5
54 47.6	36.8 55.2

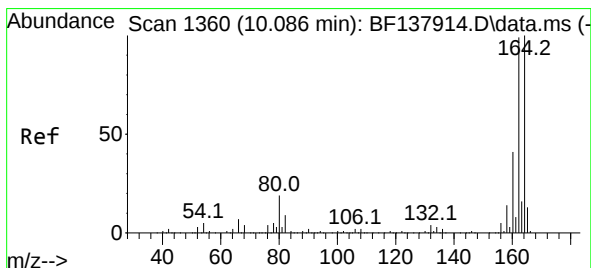
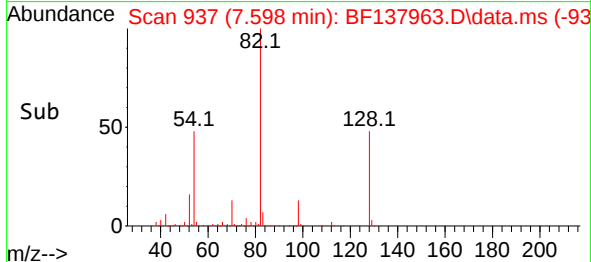
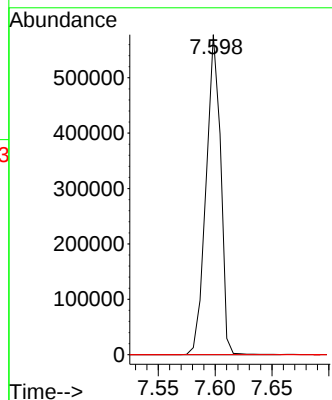
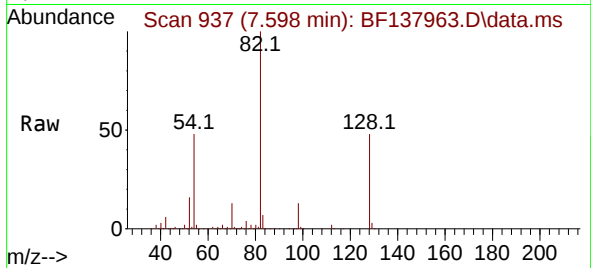




#25
Isophorone
Concen: 31.296 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

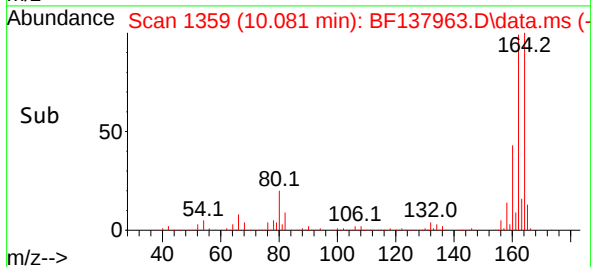
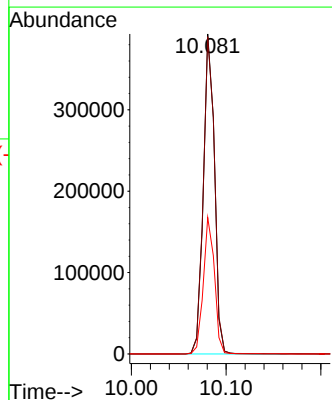
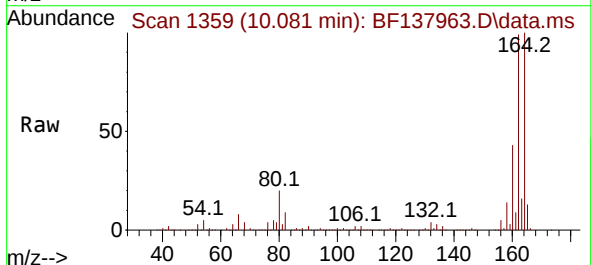
Instrument :
BNA_F
ClientSampleId :
WCS-TPI

Tgt Ion: 82 Resp: 513329
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: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion:164 Resp: 319472
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.2
160 42.7 33.1 49.7

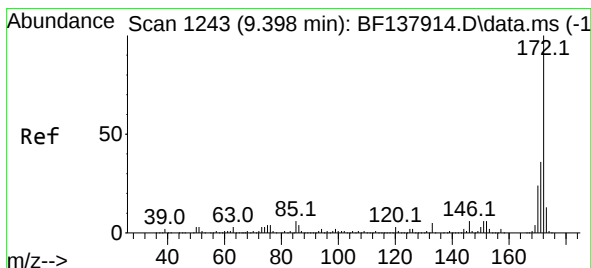
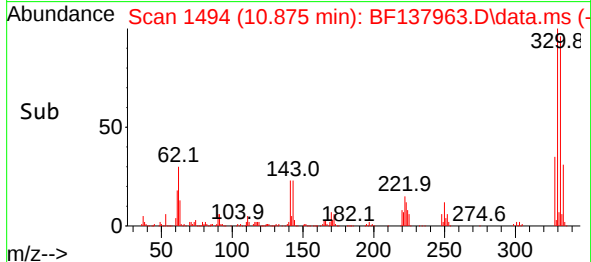
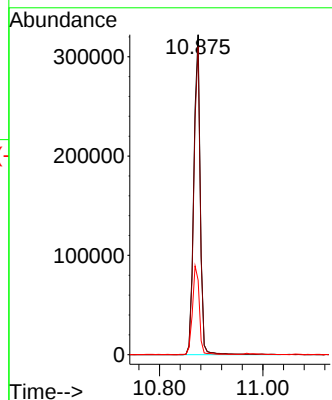
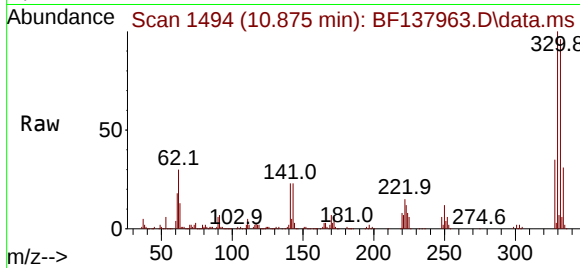




#42
2,4,6-Tribromophenol
Concen: 86.465 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

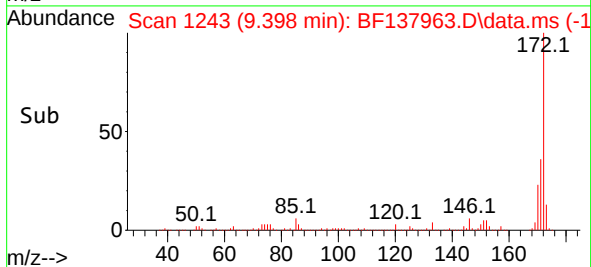
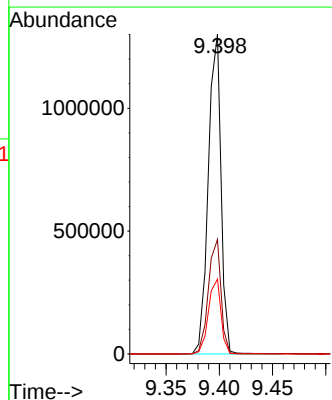
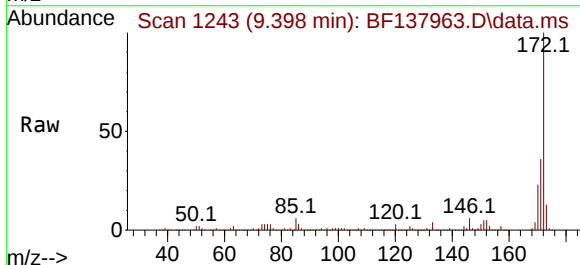
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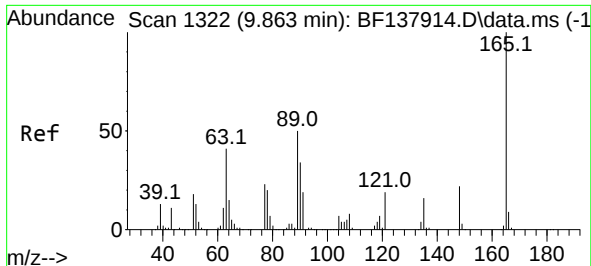
Tgt Ion:330 Resp: 278525
Ion Ratio Lower Upper
330 100
332 95.5 75.8 113.8
141 29.3 23.8 35.6



#45
2-Fluorobiphenyl
Concen: 52.351 ng
RT: 9.398 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion:172 Resp: 1085755
Ion Ratio Lower Upper
172 100
171 35.8 28.9 43.3
170 23.4 18.9 28.3

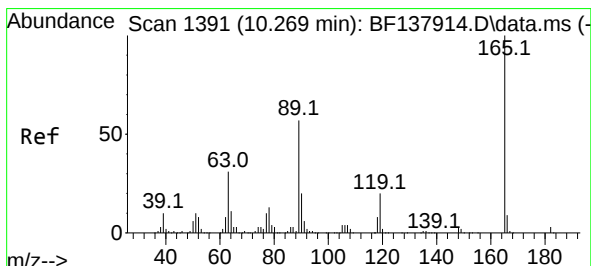
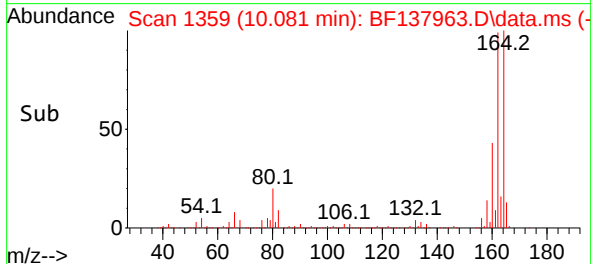
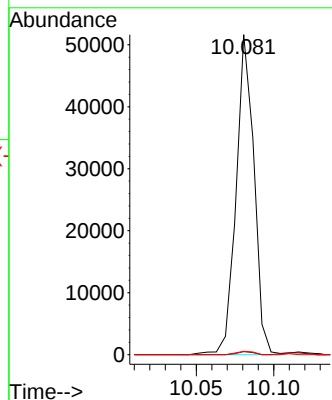
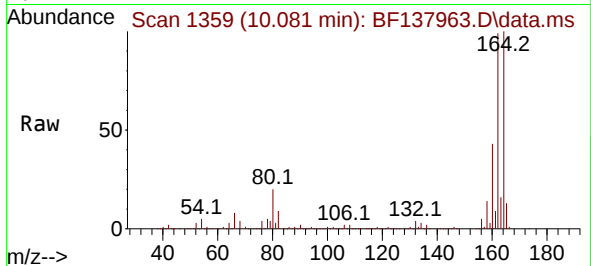




#51
2,6-Dinitrotoluene
Concen: 9.006 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

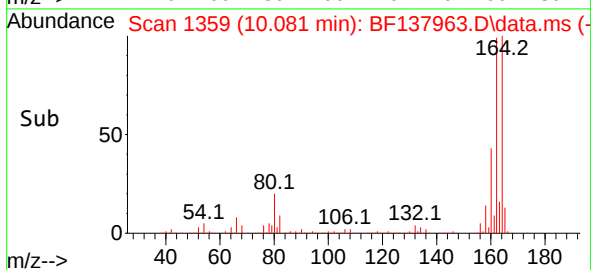
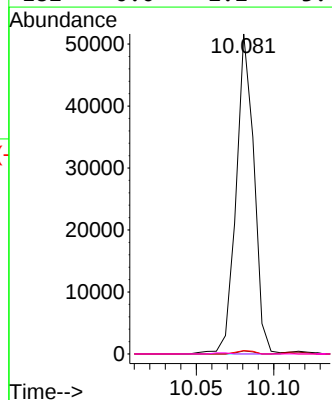
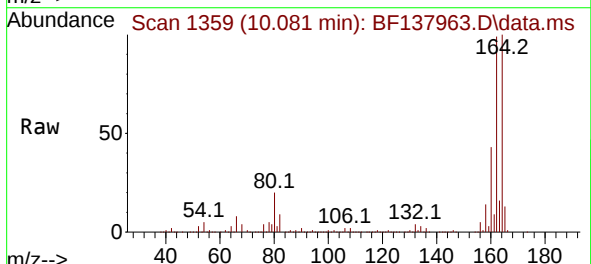
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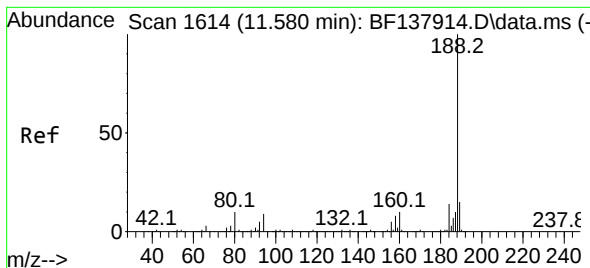
Tgt Ion:165 Resp: 41409
Ion Ratio Lower Upper
165 100
63 1.0 38.9 58.3#
89 1.0 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 6.966 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion:165 Resp: 41409
Ion Ratio Lower Upper
165 100
63 1.0 25.3 37.9#
89 1.0 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: BF137963.D

Acq: 20 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

WCS-TPI

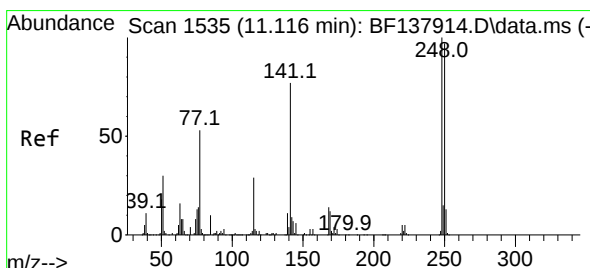
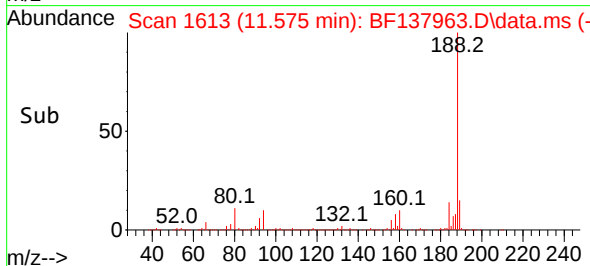
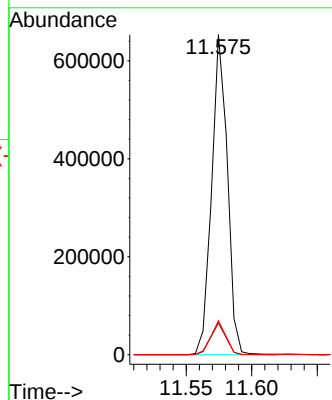
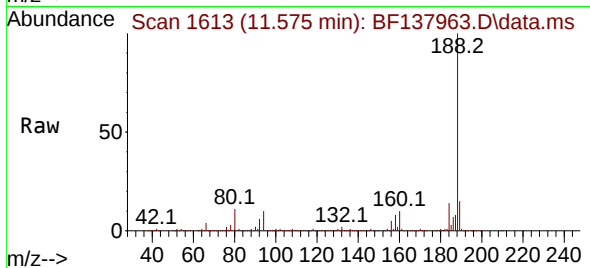
Tgt Ion:188 Resp: 545165

Ion Ratio Lower Upper

188 100

94 9.9 7.0 10.4

80 10.7 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 2.987 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

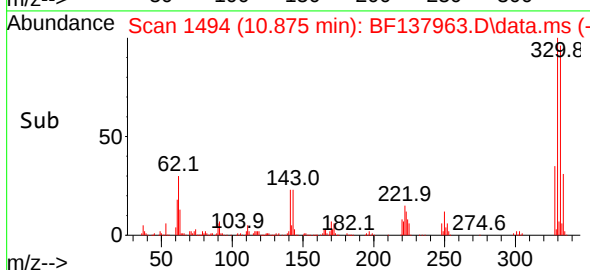
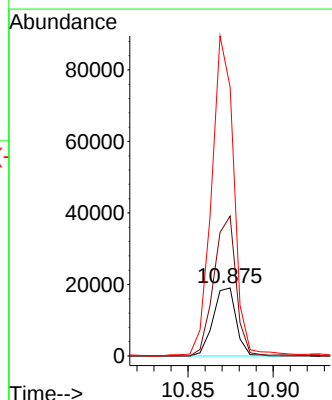
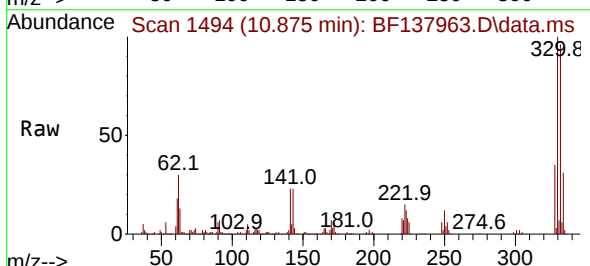
Tgt Ion:248 Resp: 17852

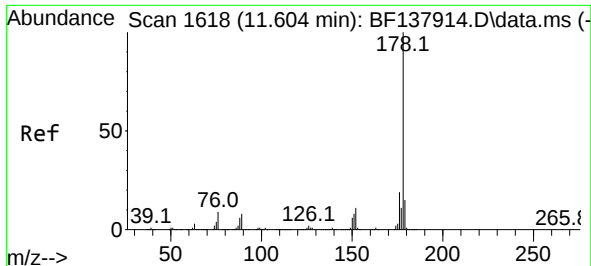
Ion Ratio Lower Upper

248 100

250 205.3 77.6 116.4#

141 394.8 61.4 92.2#

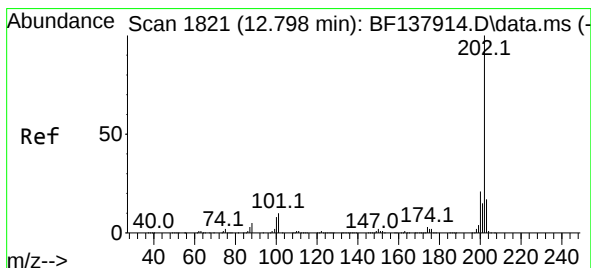
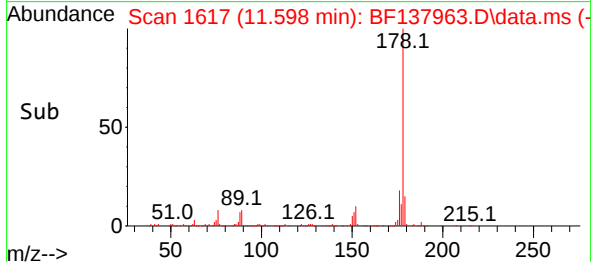
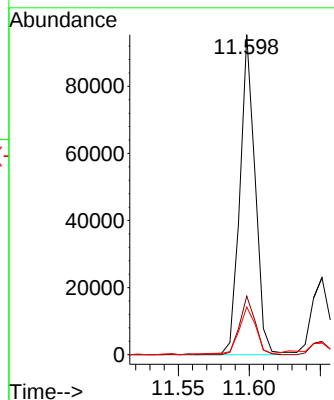
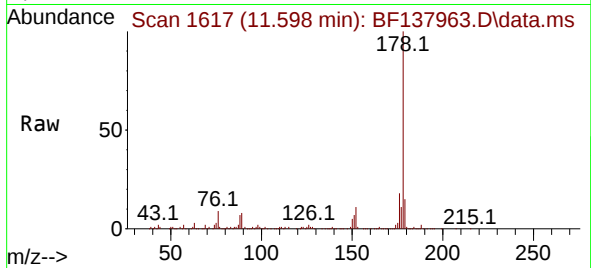




#71
Phenanthrene
Concen: 2.653 ng
RT: 11.598 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

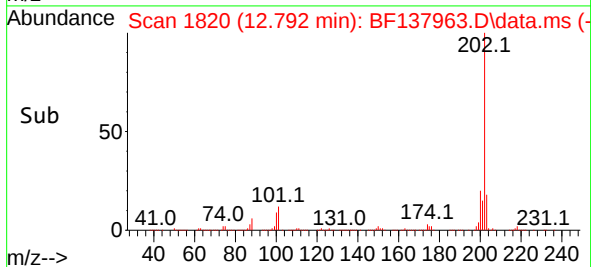
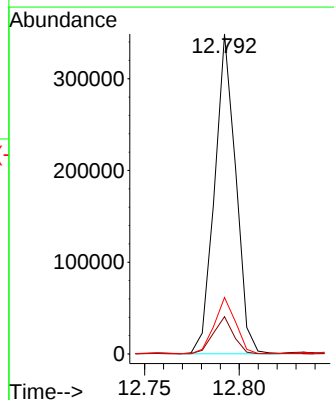
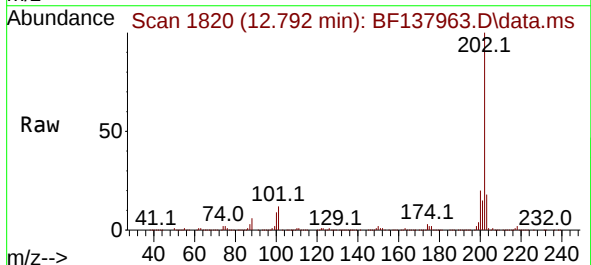
Instrument :
BNA_F
ClientSampleId :
WCS-TPI

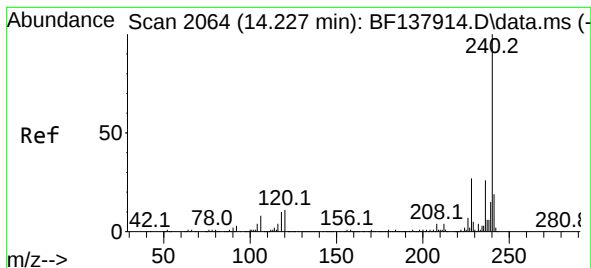
Tgt Ion:178 Resp: 71268
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 14.9 12.2 18.4



#75
Fluoranthene
Concen: 9.955 ng
RT: 12.792 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion:202 Resp: 271448
Ion Ratio Lower Upper
202 100
101 11.7 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: BF137963.D

Acq: 20 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

WCS-TPI

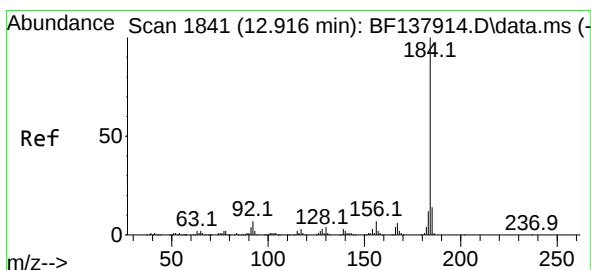
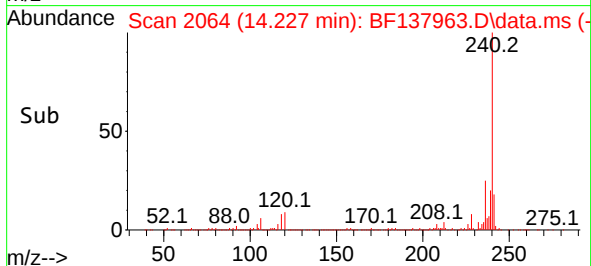
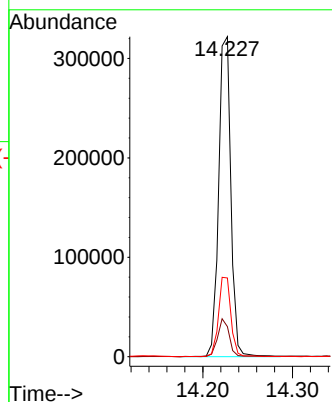
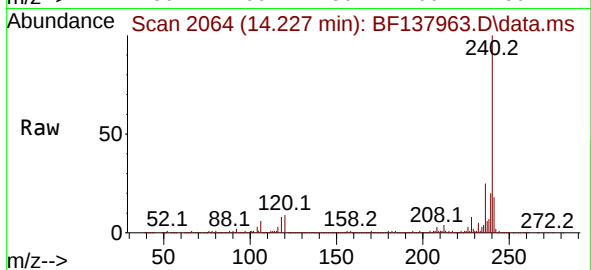
Tgt Ion:240 Resp: 303469

Ion Ratio Lower Upper

240 100

120 9.4 8.9 13.3

236 24.6 21.0 31.4



#77

Benzidine

Concen: 3.331 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.247 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

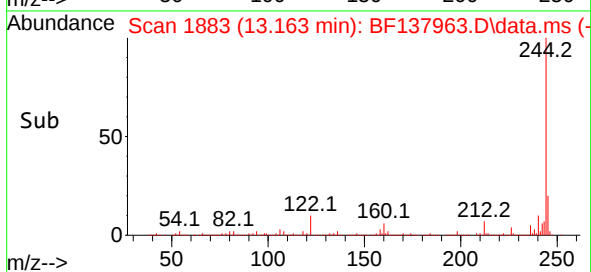
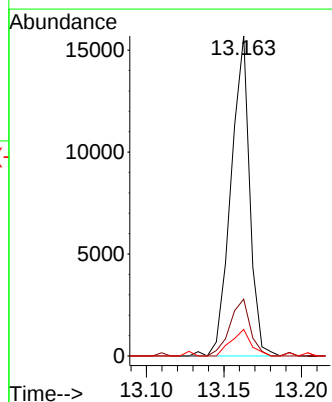
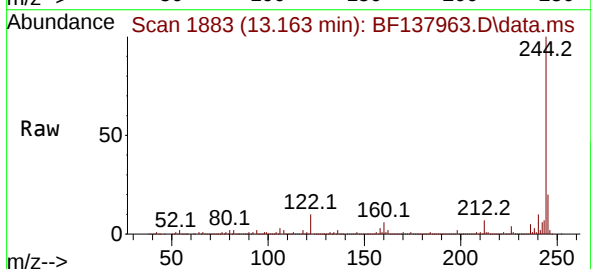
Tgt Ion:184 Resp: 13212

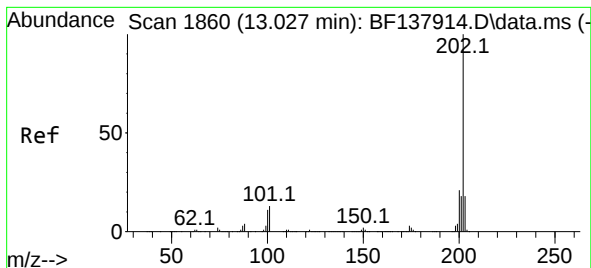
Ion Ratio Lower Upper

184 100

185 17.8 11.4 17.2#

183 8.3 9.5 14.3#





#78

Pyrene

Concen: 10.835 ng

RT: 13.022 min Scan# 1859

Delta R.T. -0.006 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

WCS-TPI

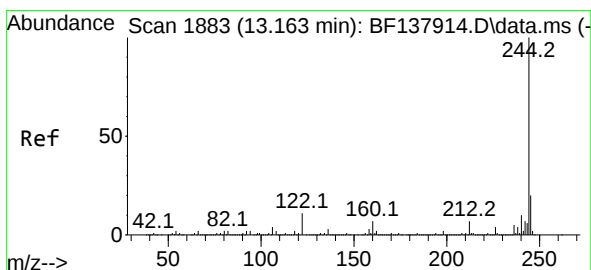
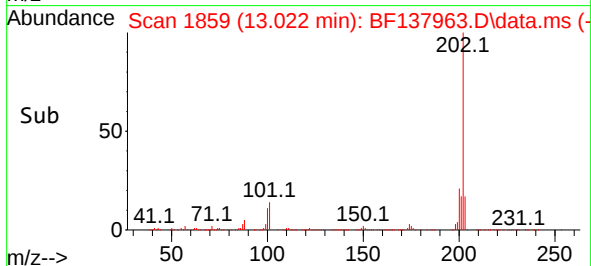
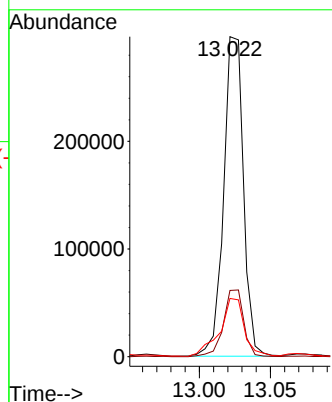
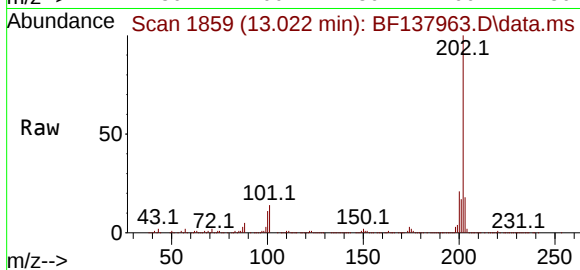
Tgt Ion:202 Resp: 287600

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 18.2 14.1 21.1



#79

Terphenyl-d14

Concen: 52.943 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

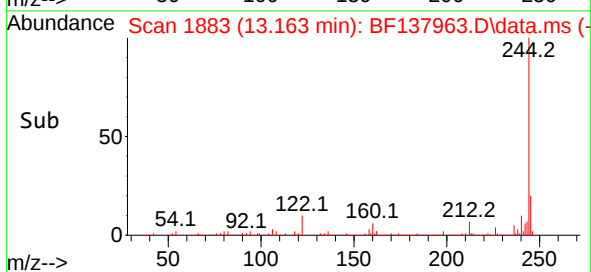
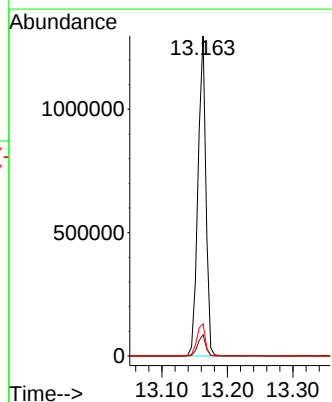
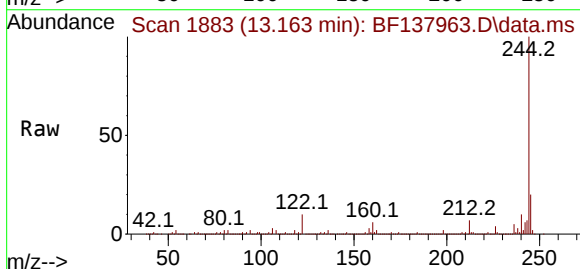
Tgt Ion:244 Resp: 1090149

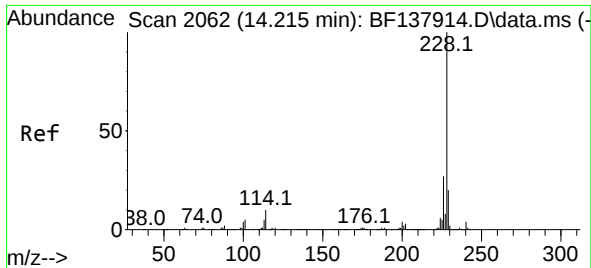
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.1 8.8 13.2

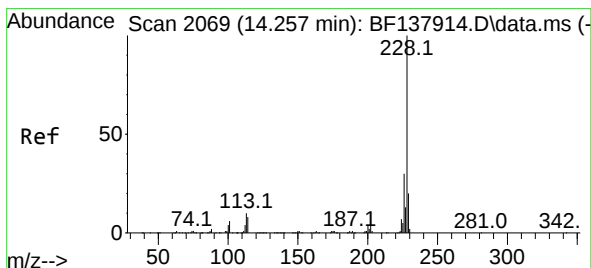
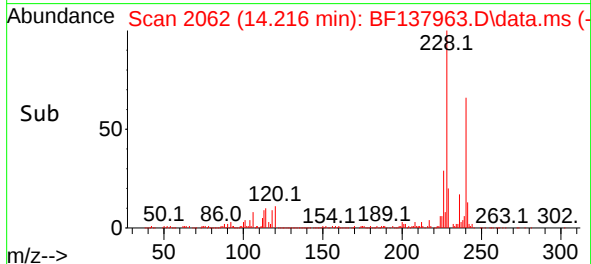
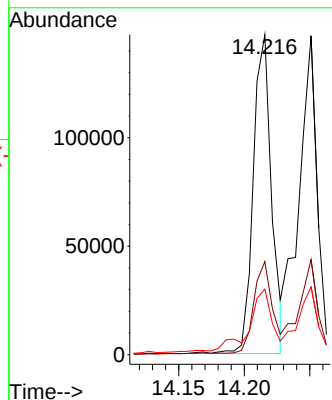
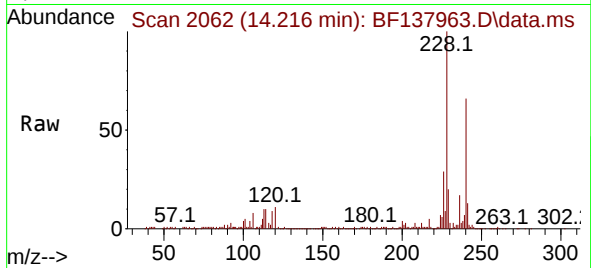




#81
Benzo(a)anthracene
Concen: 7.407 ng
RT: 14.216 min Scan# 2062
Delta R.T. 0.000 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

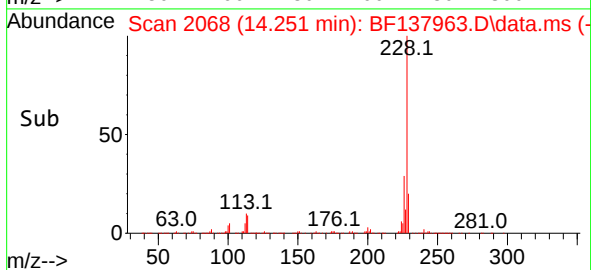
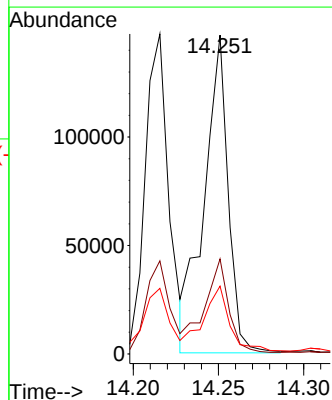
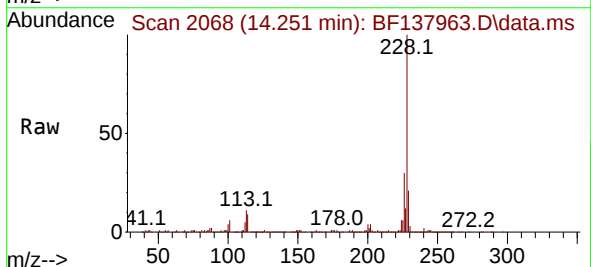
Instrument :
BNA_F
ClientSampleId :
WCS-TPI

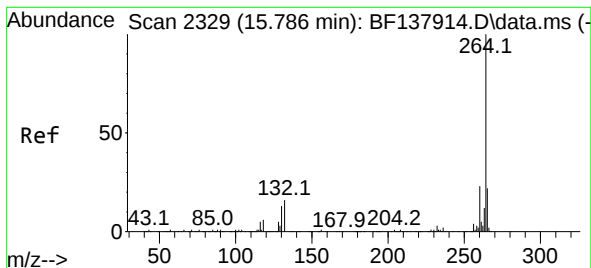
Tgt Ion:228 Resp: 142214
Ion Ratio Lower Upper
228 100
226 29.1 21.3 31.9
229 20.5 15.7 23.5



#83
Chrysene
Concen: 7.828 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion:228 Resp: 143731
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 21.3 15.6 23.4

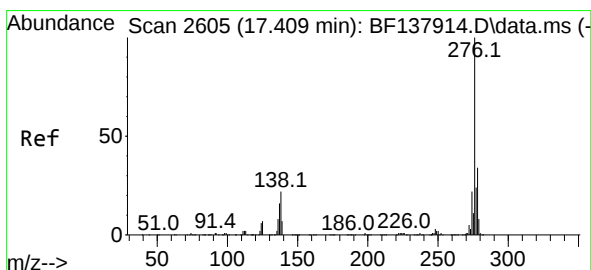
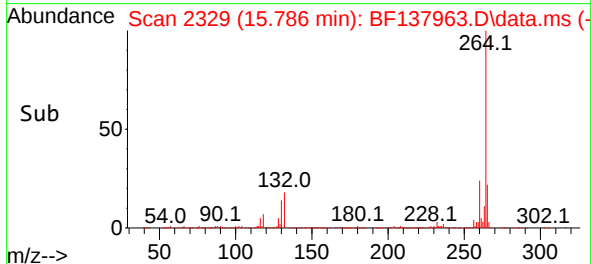
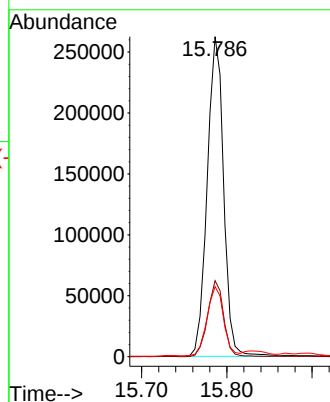
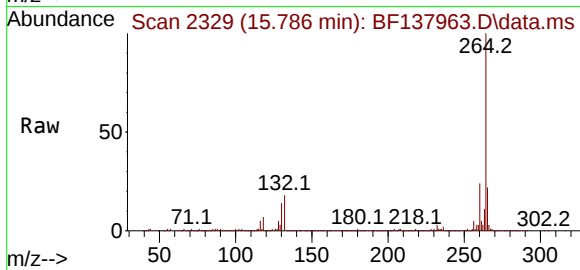




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.786 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF137963.D
 Acq: 20 May 2024 17:08

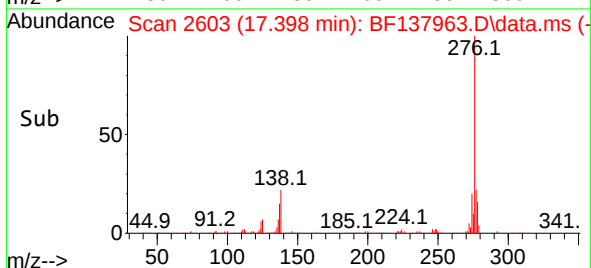
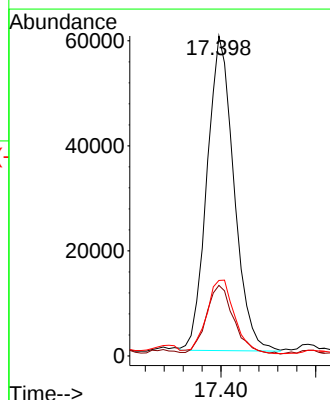
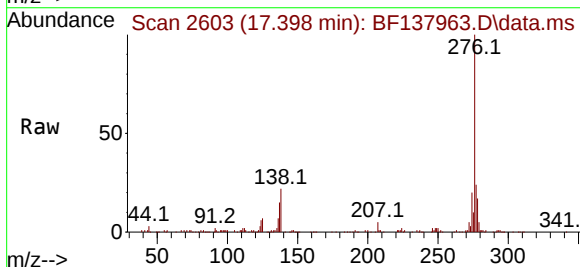
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPI

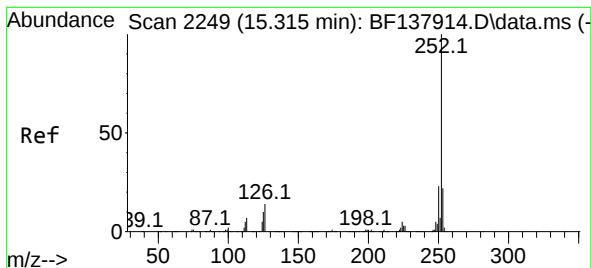
Tgt Ion:264 Resp: 351087
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.3 27.5
 265 21.9 17.6 26.4



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.251 ng
 RT: 17.398 min Scan# 2603
 Delta R.T. -0.012 min
 Lab File: BF137963.D
 Acq: 20 May 2024 17:08

Tgt Ion:276 Resp: 118433
 Ion Ratio Lower Upper
 276 100
 138 22.7 20.6 30.8
 277 25.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 15.428 ng

RT: 15.316 min Scan# 2249

Delta R.T. 0.000 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

WCS-TPI

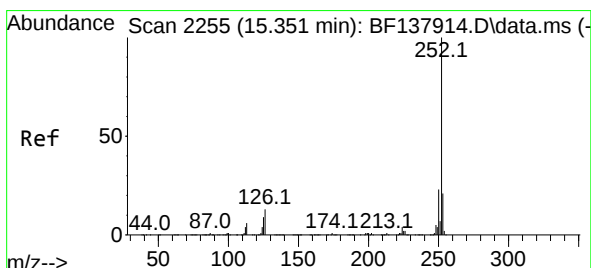
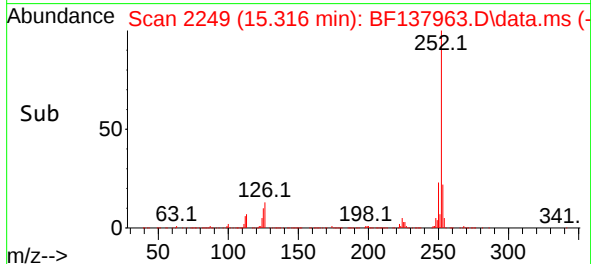
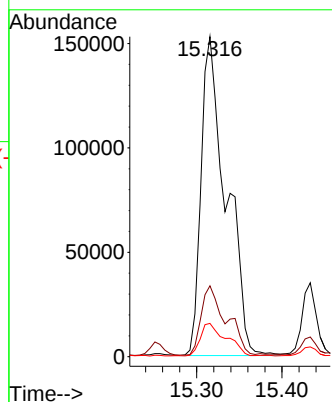
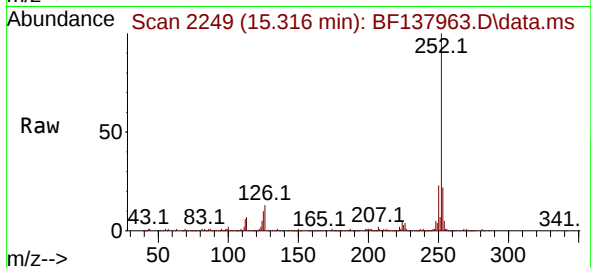
Tgt Ion:252 Resp: 313622

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.4 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 15.704 ng

RT: 15.316 min Scan# 2249

Delta R.T. -0.035 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

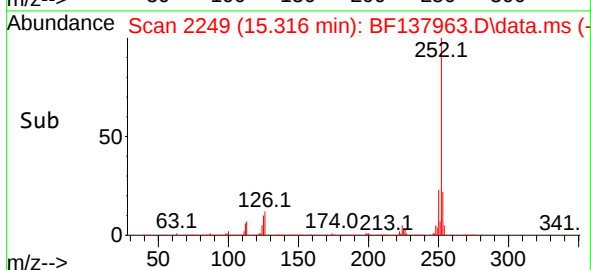
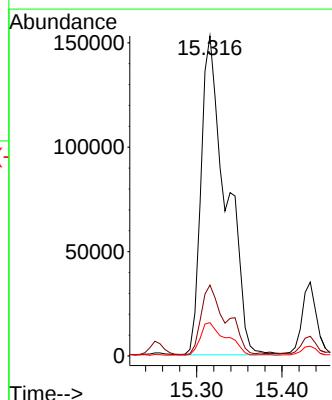
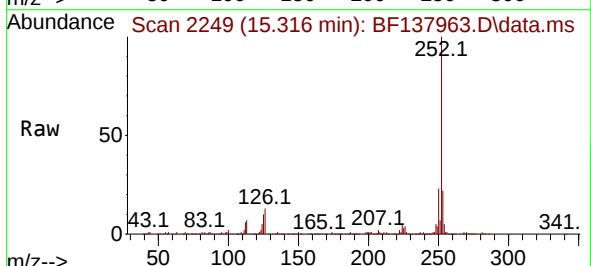
Tgt Ion:252 Resp: 313622

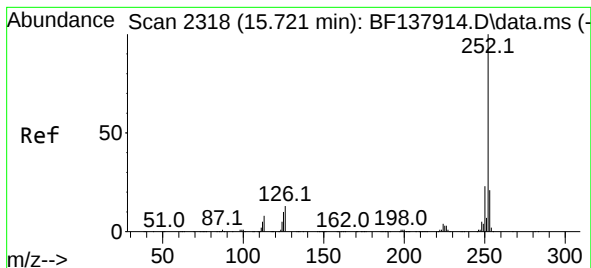
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 10.4 7.7 11.5





#90

Benzo(a)pyrene

Concen: 10.305 ng

RT: 15.716 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

WCS-TPI

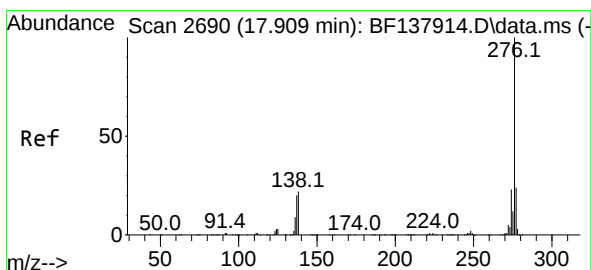
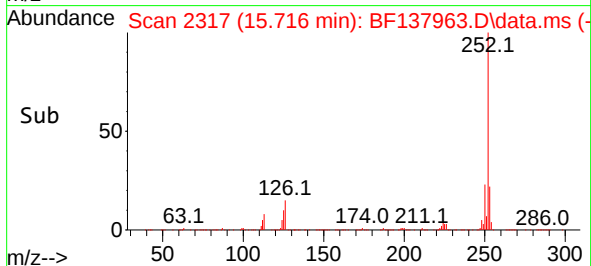
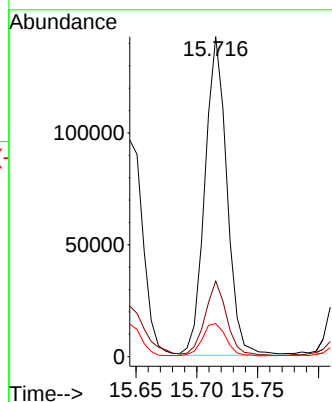
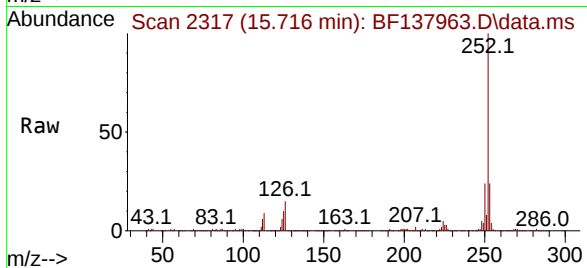
Tgt Ion:252 Resp: 178878

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

125 10.4 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 5.859 ng

RT: 17.898 min Scan# 2688

Delta R.T. -0.012 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

Tgt Ion:276 Resp: 114713

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 22.3 17.6 26.4

