

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
 Data File : BF137968.D
 Acq On : 20 May 2024 19:36
 Operator : CG\JU
 Sample : P2512-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPJ

Quant Time: May 21 01:21:27 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)

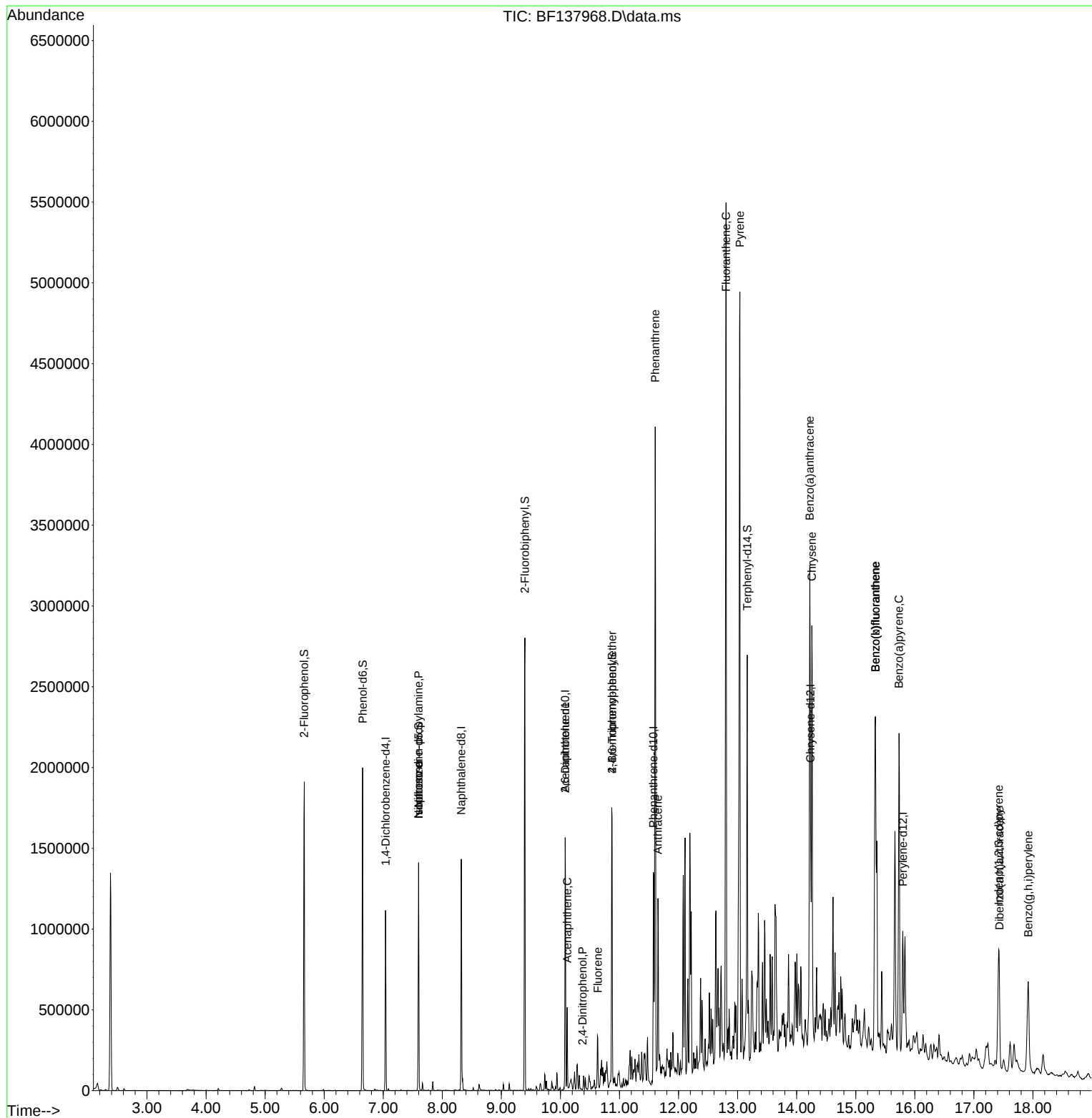
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.040	152	146754	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	573199	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	321354	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	541421	20.000	ng	0.00
76) Chrysene-d12	14.233	240	301703	20.000	ng	0.00
86) Perylene-d12	15.798	264	360718	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	557281	64.504	ng	0.00
7) Phenol-d6	6.651	99	681816	64.066	ng	0.00
23) Nitrobenzene-d5	7.598	82	401420	41.214	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	210268	64.893	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	878749	42.122	ng	0.00
79) Terphenyl-d14	13.163	244	820126	40.063	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.598	70	51125	8.551	ng	# 75
25) Isophorone	7.598	82	401415	23.746	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	42102	9.103	ng	# 29
52) Acenaphthene	10.116	154	95402	5.579	ng	99
54) 2,4-Dinitrophenol	10.375	184	196	7.039	ng	# 14
58) Fluorene	10.633	166	91406	4.644	ng	98
67) 4-Bromophenyl-phenylether	10.875	248	13802	2.325	ng	# 1
71) Phenanthrene	11.604	178	1531235	57.391	ng	99
72) Anthracene	11.651	178	406042	15.338	ng	99
75) Fluoranthene	12.804	202	2278019	84.117	ng	98
78) Pyrene	13.039	202	2237344	84.786	ng	98
81) Benzo(a)anthracene	14.221	228	1190684	62.380	ng	96
83) Chrysene	14.257	228	1032458	56.558	ng	97
87) Indeno(1,2,3-cd)pyrene	17.421	276	547776	23.636	ng	94
88) Benzo(b)fluoranthene	15.333	252	1860316	89.071	ng	98
89) Benzo(k)fluoranthene	15.333	252	1859745	90.639	ng	97
90) Benzo(a)pyrene	15.733	252	1052838	59.034	ng	96
91) Dibenzo(a,h)anthracene	17.433	278	149964	7.832	ng	97
92) Benzo(g,h,i)perylene	17.921	276	493156	24.517	ng	99

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

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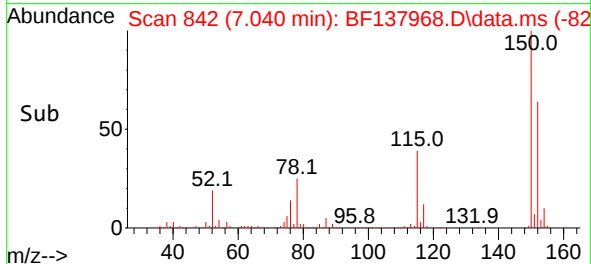
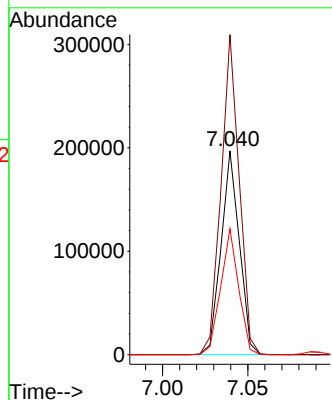
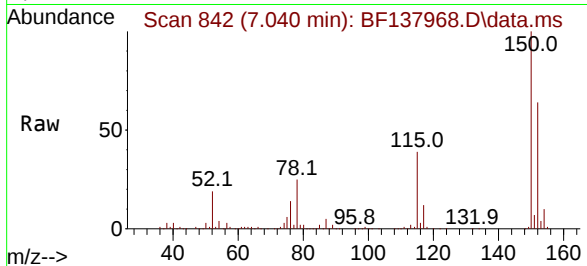




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 842
Delta R.T. -0.005 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

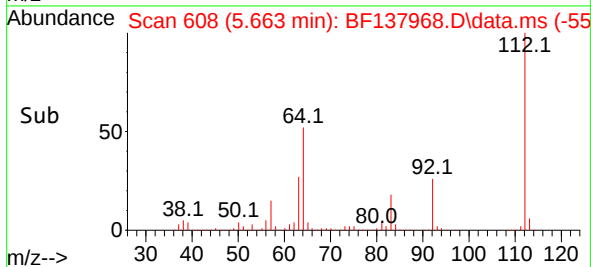
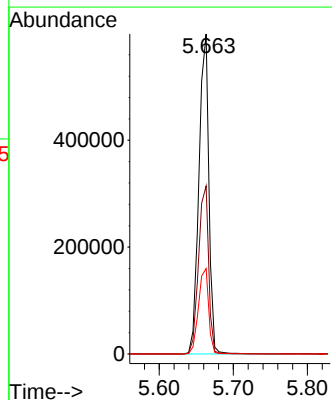
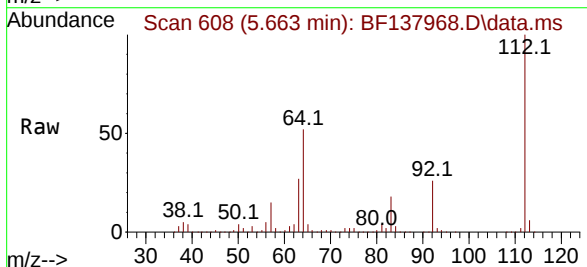
Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

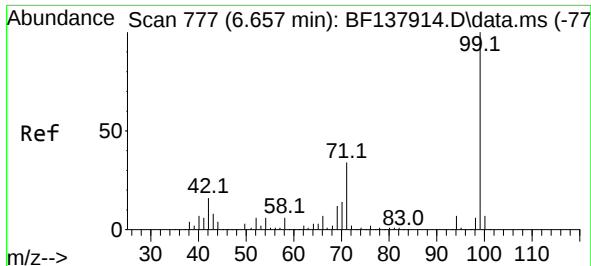
Tgt Ion:152 Resp: 146754
Ion Ratio Lower Upper
152 100
150 157.0 125.7 188.5
115 61.8 47.0 70.6



#5
2-Fluorophenol
Concen: 64.504 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Tgt Ion:112 Resp: 557281
Ion Ratio Lower Upper
112 100
64 52.5 42.4 63.6
63 26.7 21.4 32.2

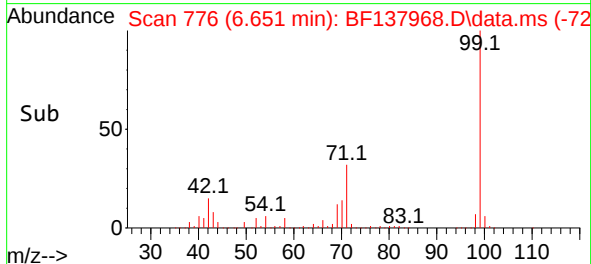
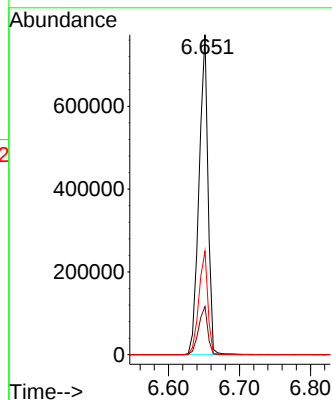
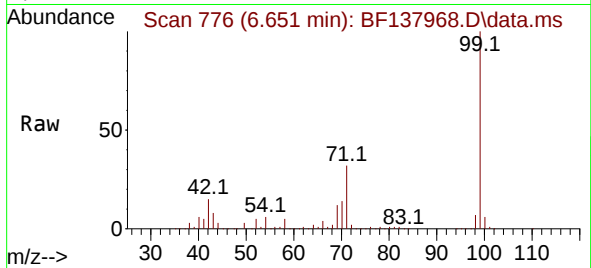




#7
Phenol-d6
Concen: 64.066 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

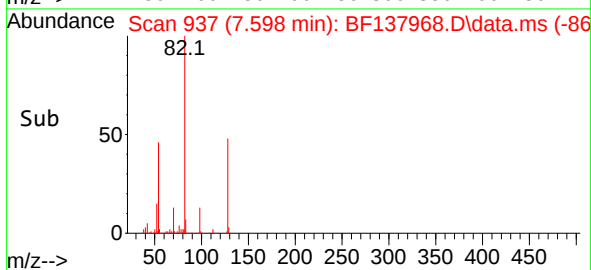
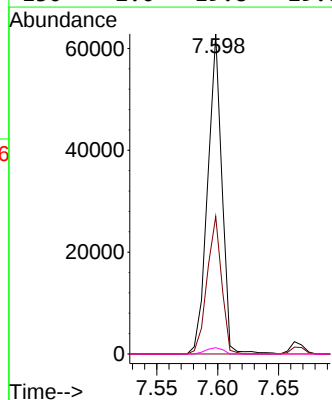
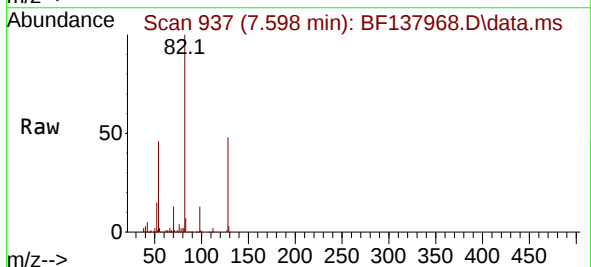
Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

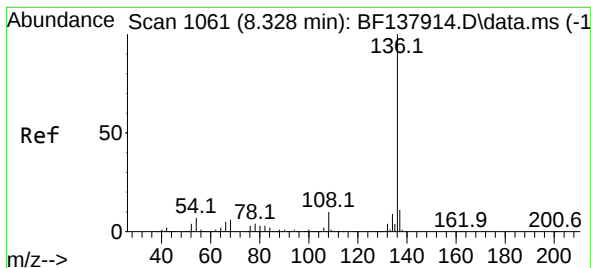
Tgt Ion: 99 Resp: 681816
Ion Ratio Lower Upper
99 100
42 15.1 12.6 18.8
71 32.4 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 8.551 ng
RT: 7.598 min Scan# 937
Delta R.T. 0.147 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Tgt Ion: 70 Resp: 51125
Ion Ratio Lower Upper
70 100
42 43.0 42.2 63.4
101 0.0 8.8 13.2#
130 2.0 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: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPJ

Tgt Ion:136 Resp: 573199

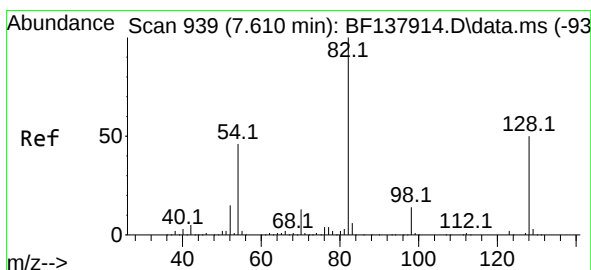
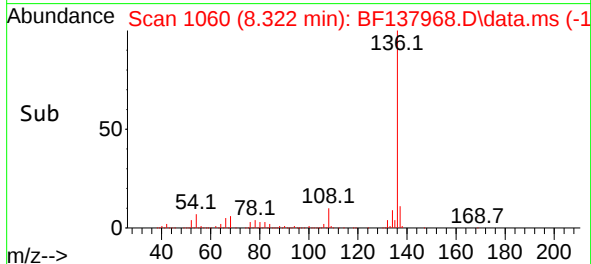
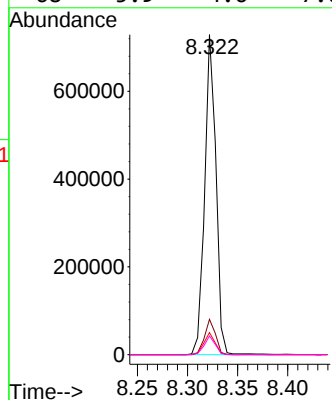
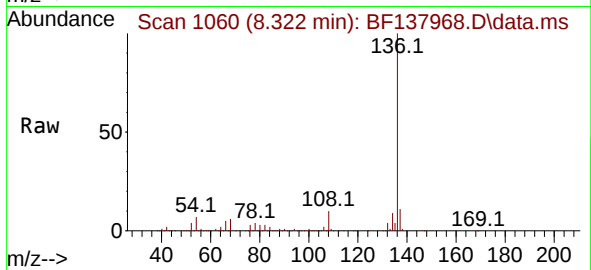
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.9 5.4 8.2

68 5.9 4.6 7.0



#23

Nitrobenzene-d5

Concen: 41.214 ng

RT: 7.598 min Scan# 937

Delta R.T. -0.012 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

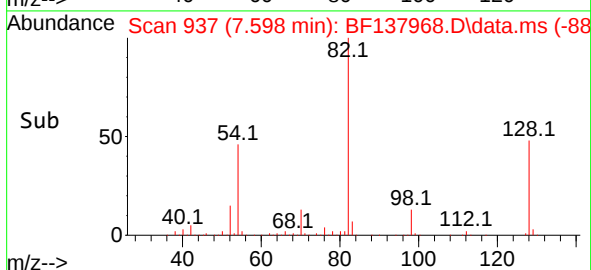
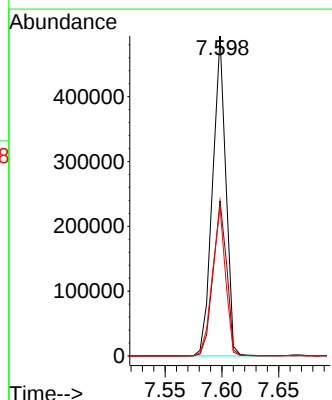
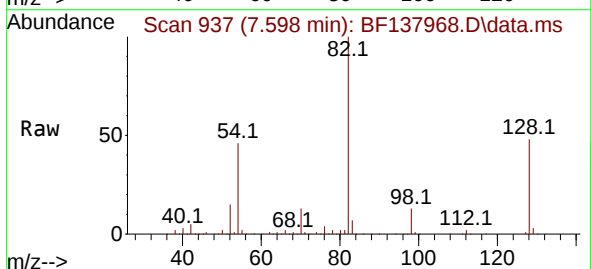
Tgt Ion: 82 Resp: 401420

Ion Ratio Lower Upper

82 100

128 48.4 40.3 60.5

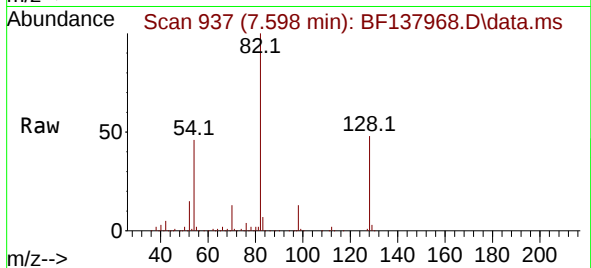
54 46.5 36.8 55.2



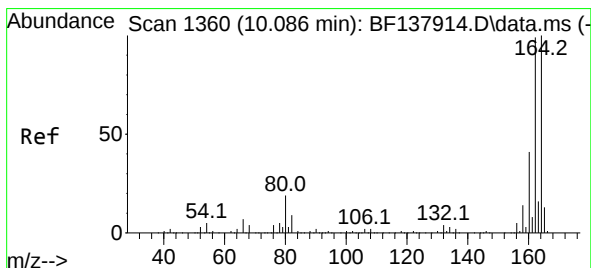
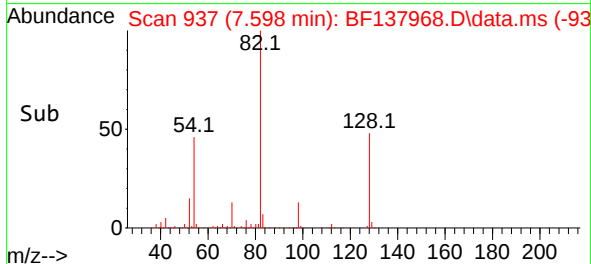
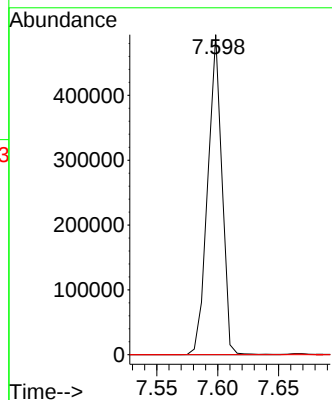


#25
Isophorone
Concen: 23.746 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

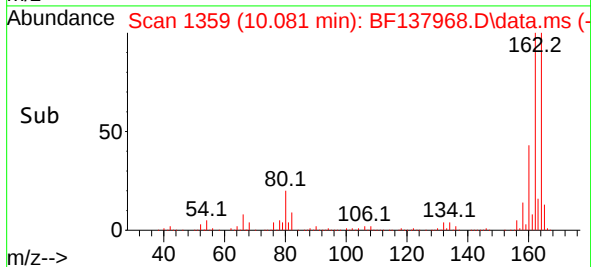
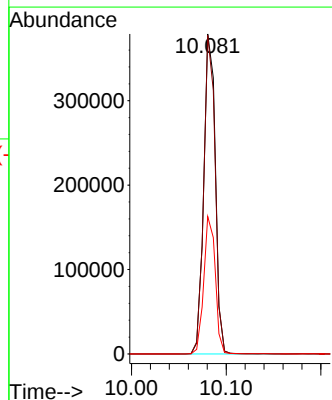
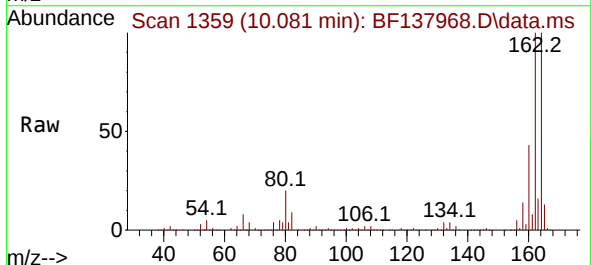


Tgt Ion: 82 Resp: 401415
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Tgt Ion:164 Resp: 321354
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.2
160 43.0 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 64.893 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPJ

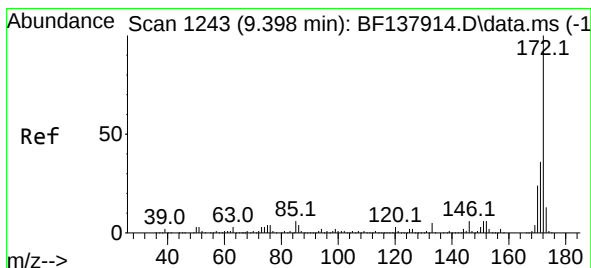
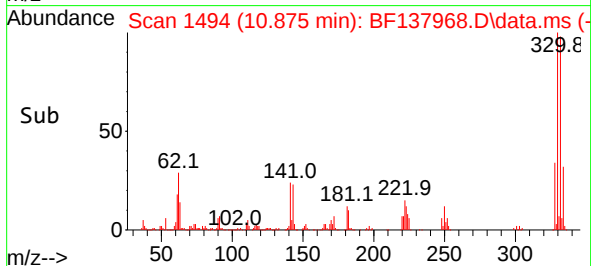
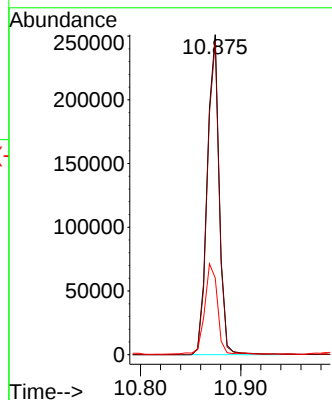
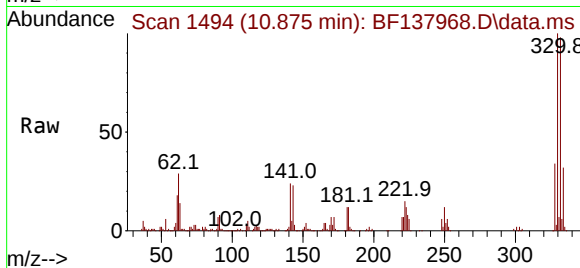
Tgt Ion:330 Resp: 210268

Ion Ratio Lower Upper

330 100

332 96.8 75.8 113.8

141 29.9 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 42.122 ng

RT: 9.398 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

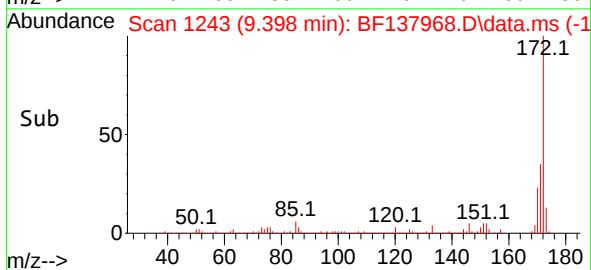
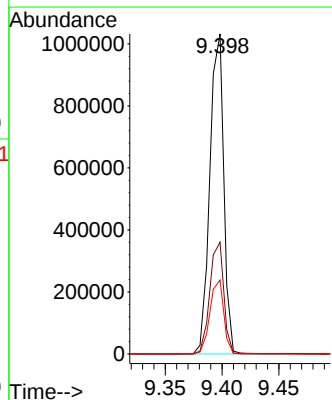
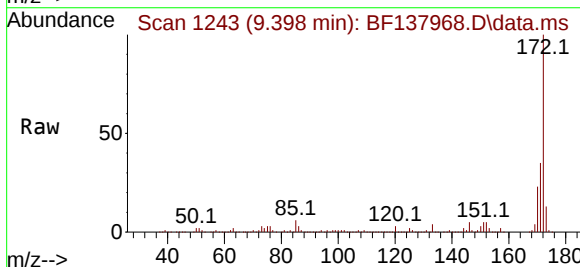
Tgt Ion:172 Resp: 878749

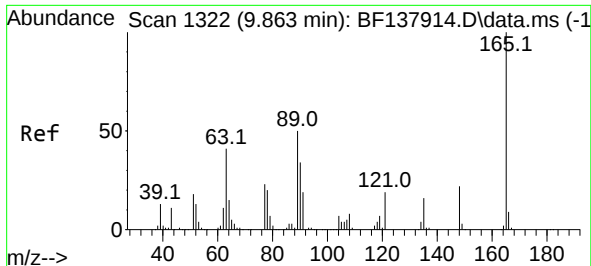
Ion Ratio Lower Upper

172 100

171 34.9 28.9 43.3

170 23.1 18.9 28.3

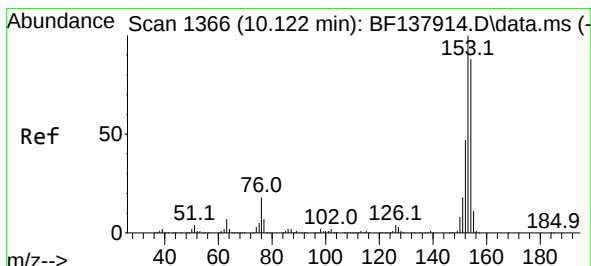
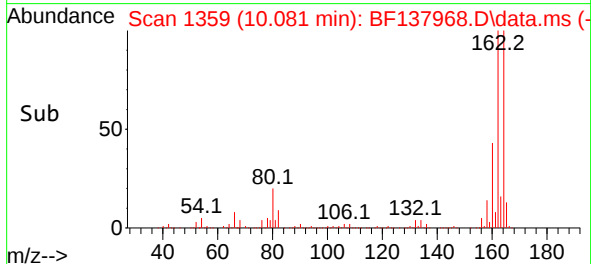
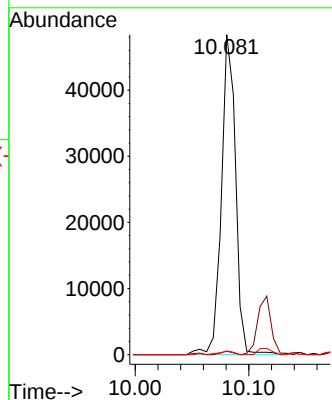
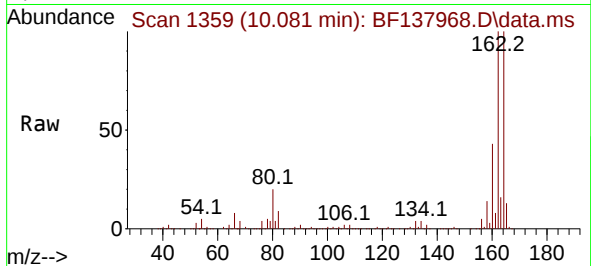




#51
2,6-Dinitrotoluene
Concen: 9.103 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

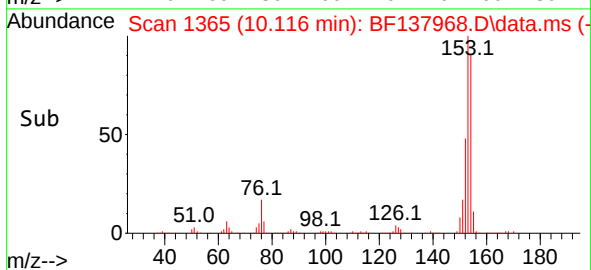
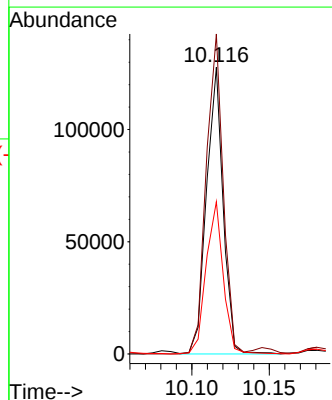
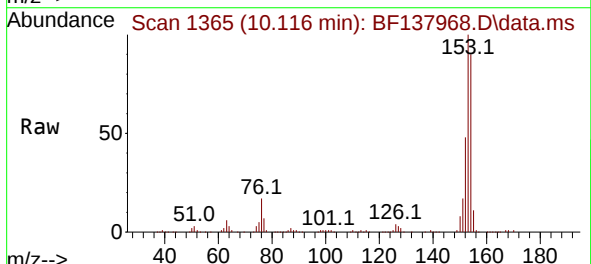
Instrument :
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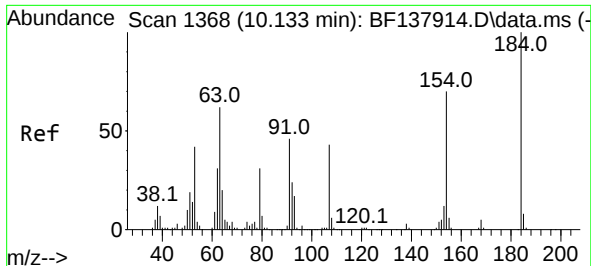
Tgt Ion:165 Resp: 42102
Ion Ratio Lower Upper
165 100
63 1.2 38.9 58.3#
89 1.1 40.4 60.6#



#52
Acenaphthene
Concen: 5.579 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Tgt Ion:154 Resp: 95402
Ion Ratio Lower Upper
154 100
153 111.6 90.4 135.6
152 53.1 42.3 63.5

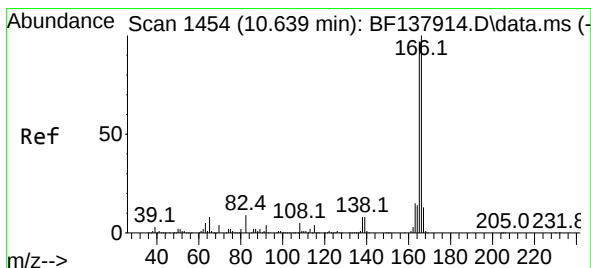
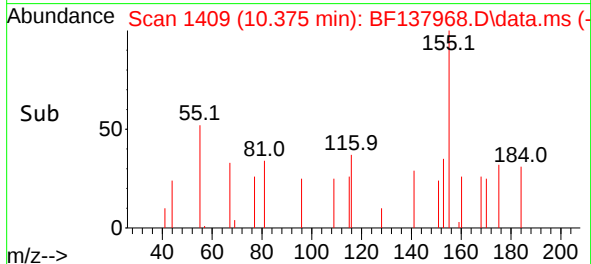
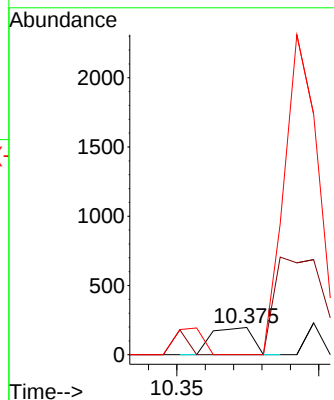
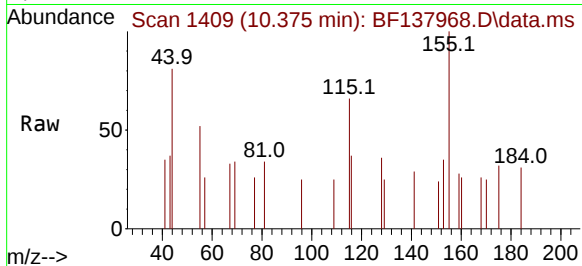




#54
2,4-Dinitrophenol
Concen: 7.039 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.242 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

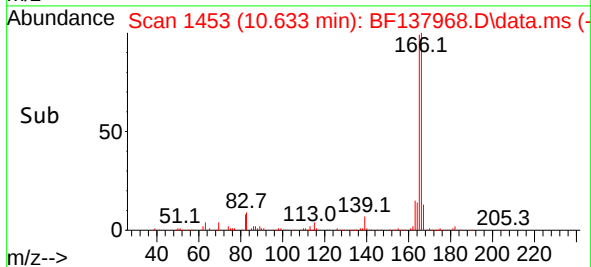
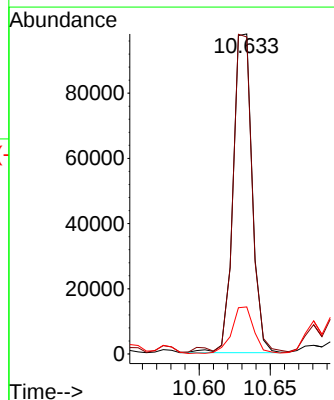
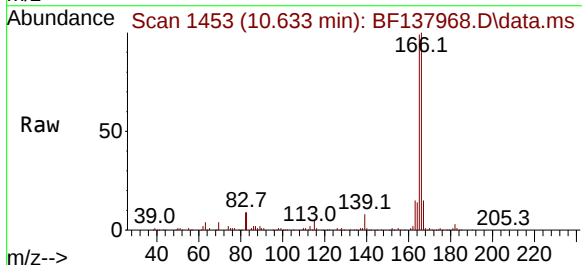
Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

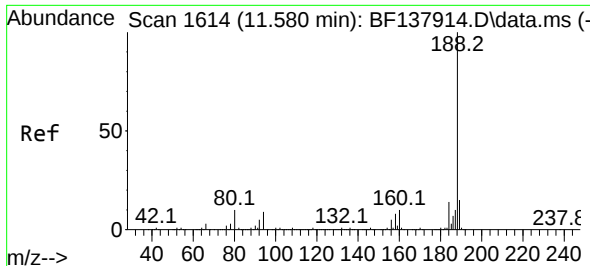
Tgt Ion:184 Resp: 196
Ion Ratio Lower Upper
184 100
63 0.0 50.4 75.6#
154 0.0 63.7 95.5#



#58
Fluorene
Concen: 4.644 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Tgt Ion:166 Resp: 91406
Ion Ratio Lower Upper
166 100
165 99.0 77.8 116.8
167 14.7 10.4 15.6

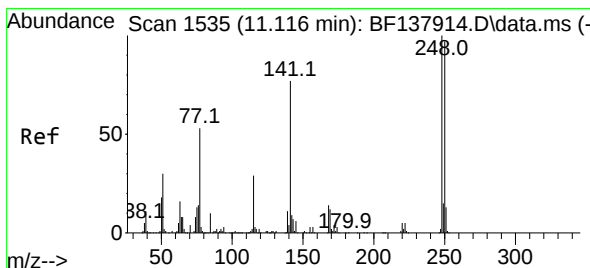
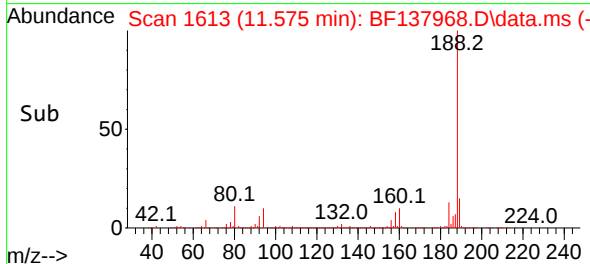
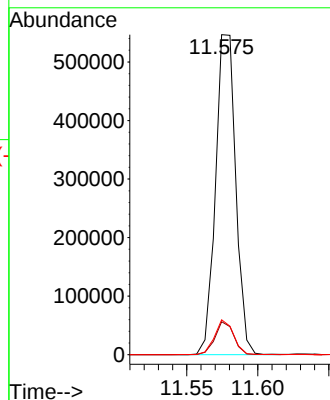
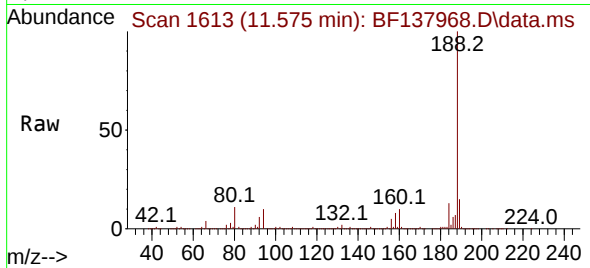




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

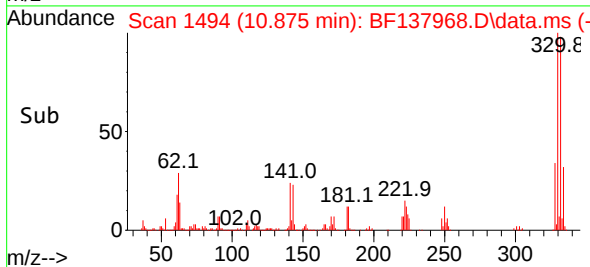
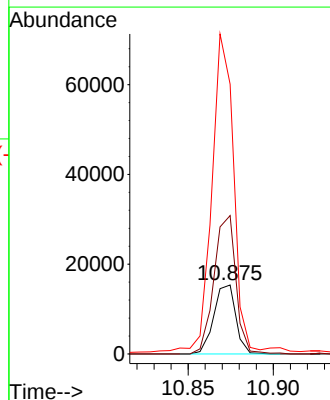
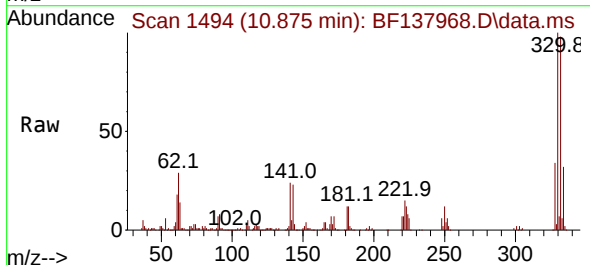
Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

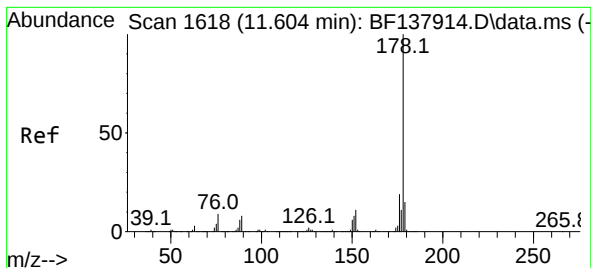
Tgt Ion:188 Resp: 541421
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.4
80 10.9 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 2.325 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.241 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Tgt Ion:248 Resp: 13802
Ion Ratio Lower Upper
248 100
250 200.9 77.6 116.4#
141 391.5 61.4 92.2#





#71

Phenanthrene

Concen: 57.391 ng

RT: 11.604 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPJ

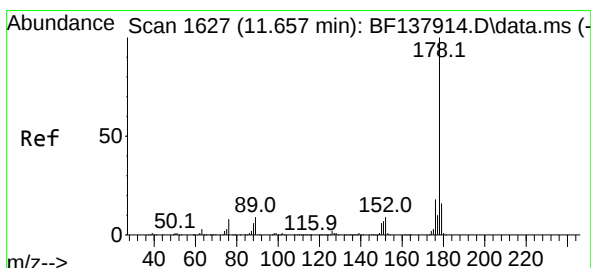
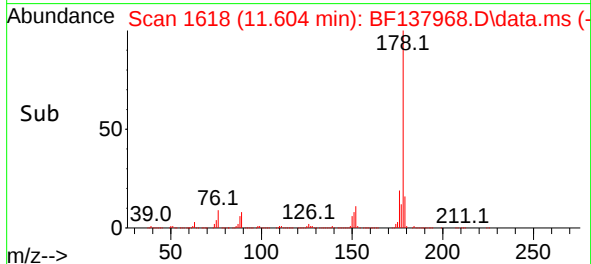
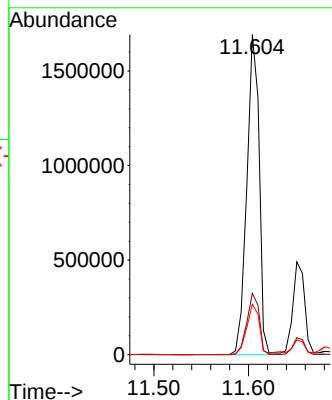
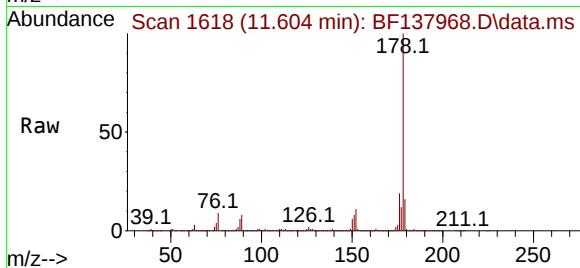
Tgt Ion:178 Resp: 1531235

Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.7 12.2 18.4



#72

Anthracene

Concen: 15.338 ng

RT: 11.651 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

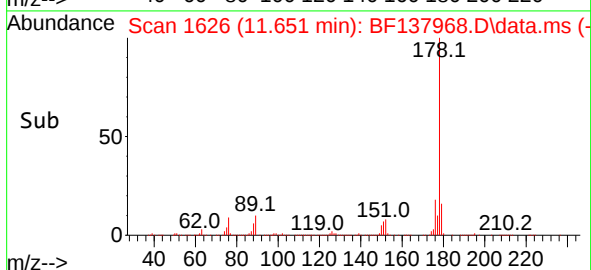
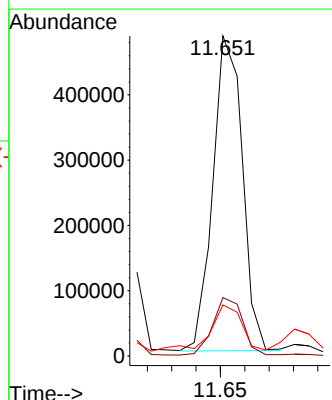
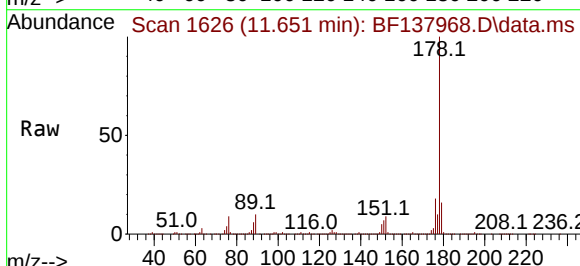
Tgt Ion:178 Resp: 406042

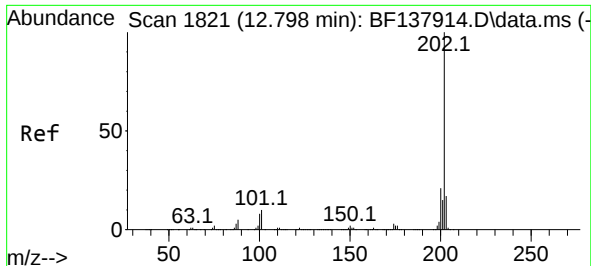
Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 16.0 12.4 18.6

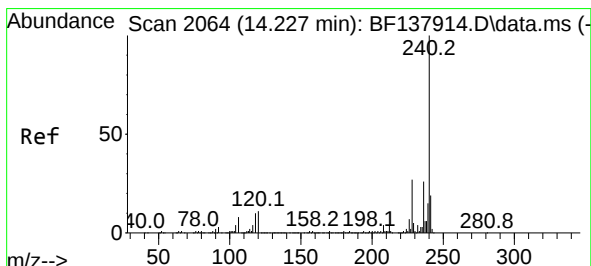
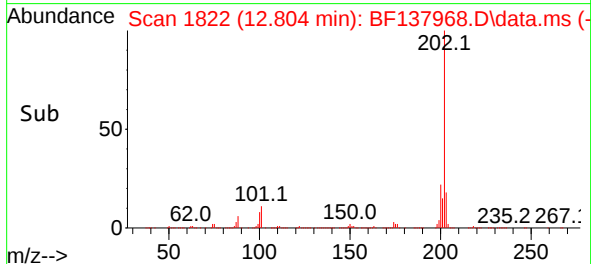
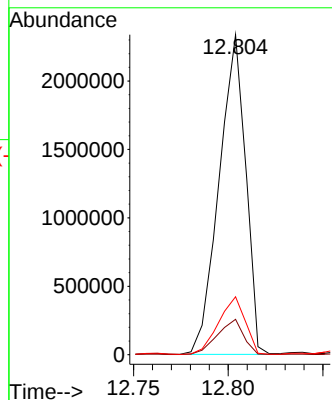
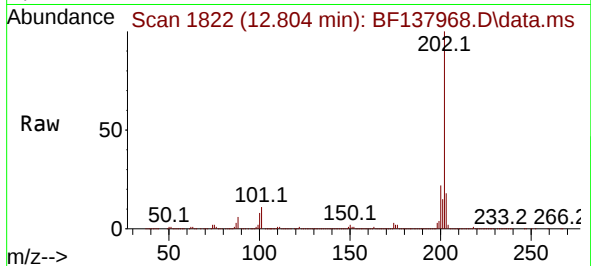




#75
Fluoranthene
Concen: 84.117 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

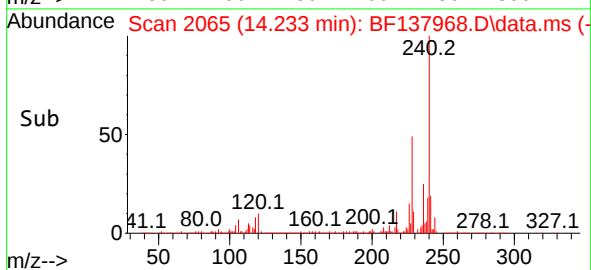
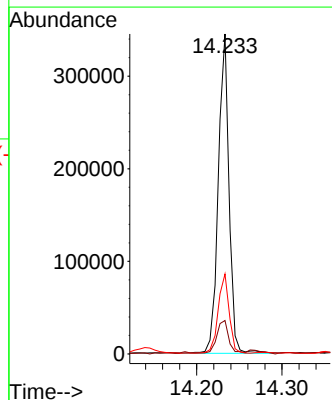
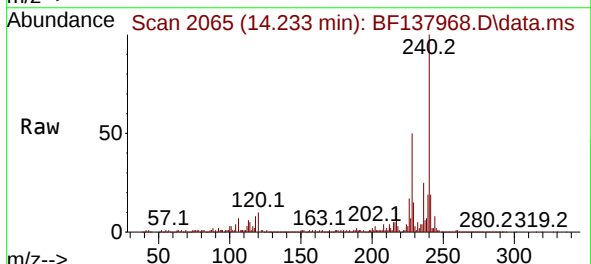
Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

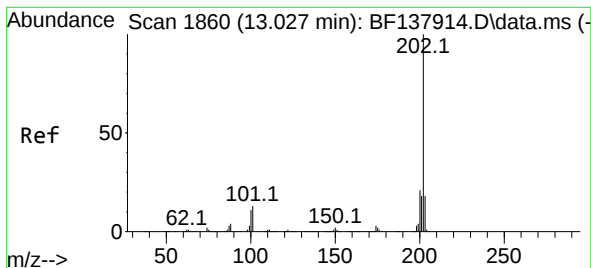
Tgt Ion:202 Resp: 2278019
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.5
203 18.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.233 min Scan# 2065
Delta R.T. 0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Tgt Ion:240 Resp: 301703
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 25.0 21.0 31.4





#78

Pyrene

Concen: 84.786 ng

RT: 13.039 min Scan# 1862

Delta R.T. 0.012 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPJ

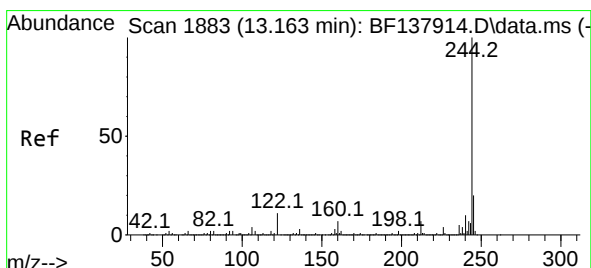
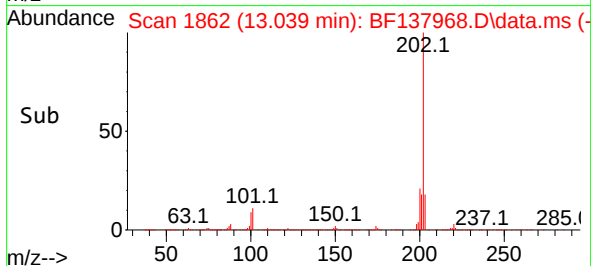
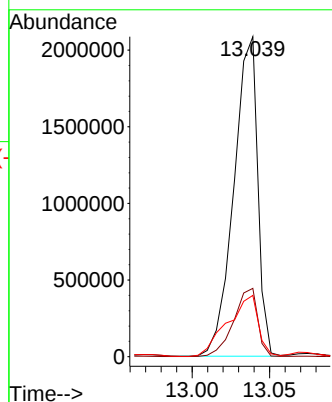
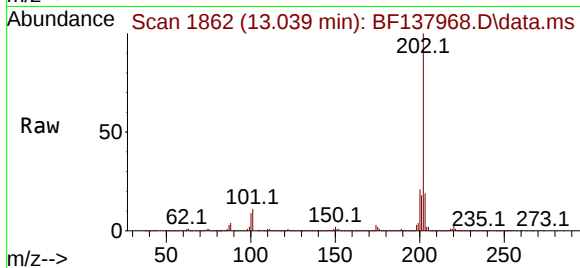
Tgt Ion:202 Resp: 2237344

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 19.1 14.1 21.1



#79

Terphenyl-d14

Concen: 40.063 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

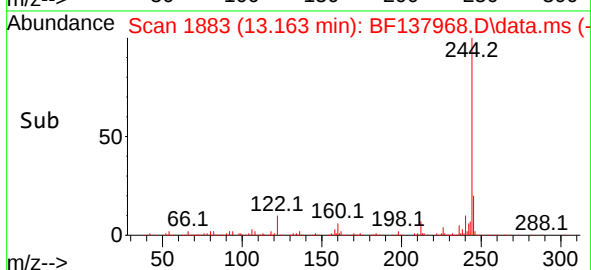
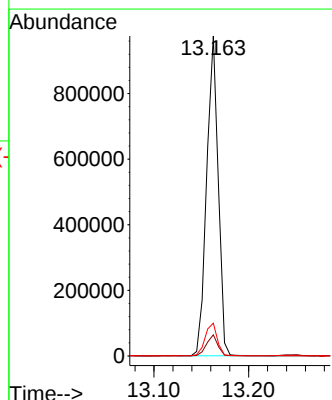
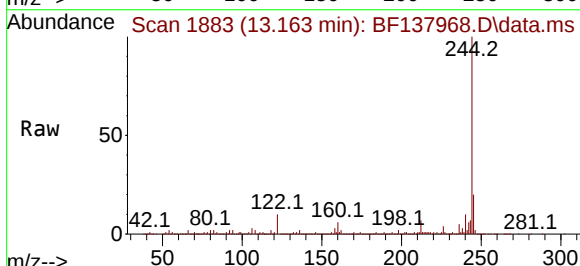
Tgt Ion:244 Resp: 820126

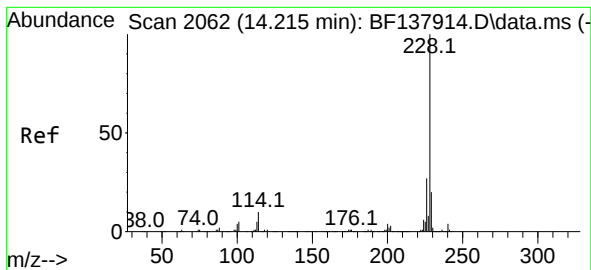
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.2 8.8 13.2





#81

Benzo(a)anthracene

Concen: 62.380 ng

RT: 14.221 min Scan# 2063

Delta R.T. 0.006 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPJ

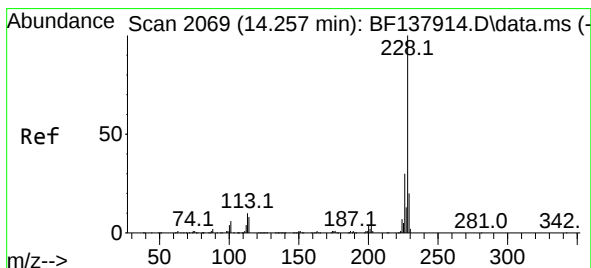
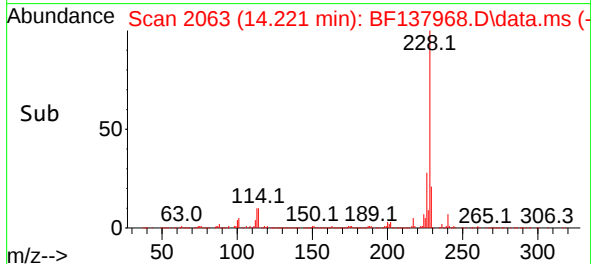
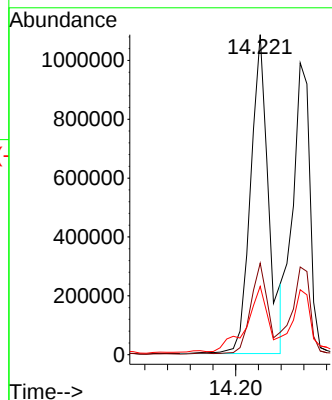
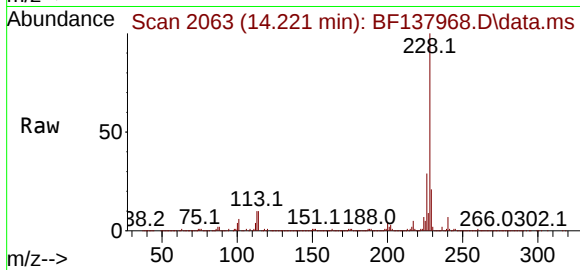
Tgt Ion:228 Resp: 1190684

Ion Ratio Lower Upper

228 100

226 28.6 21.3 31.9

229 21.4 15.7 23.5



#83

Chrysene

Concen: 56.558 ng

RT: 14.257 min Scan# 2069

Delta R.T. 0.000 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

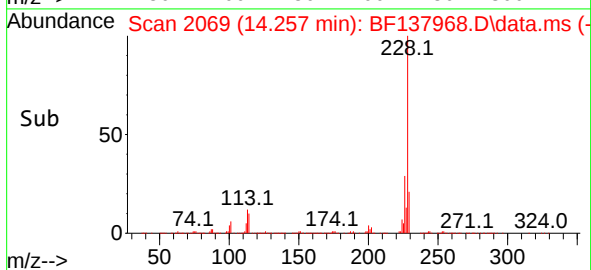
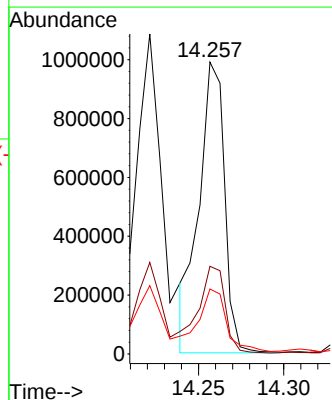
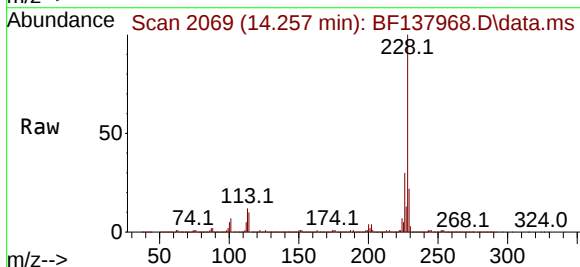
Tgt Ion:228 Resp: 1032458

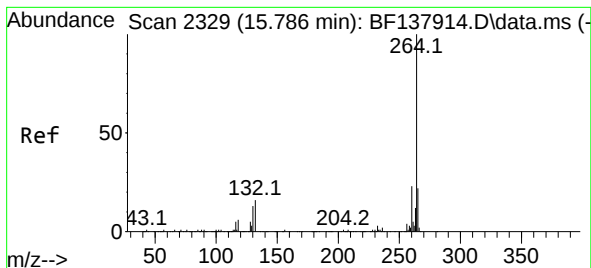
Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 22.3 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: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPJ

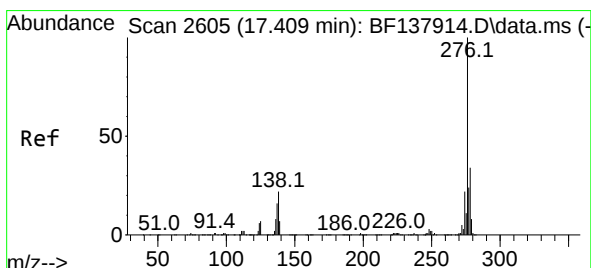
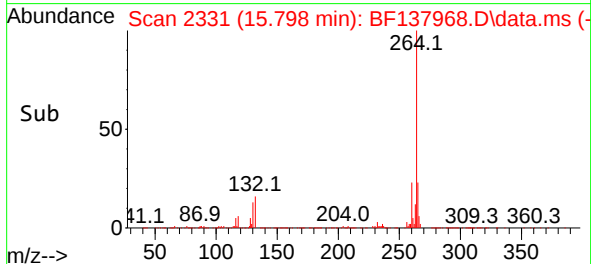
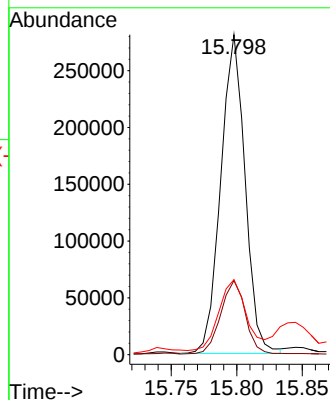
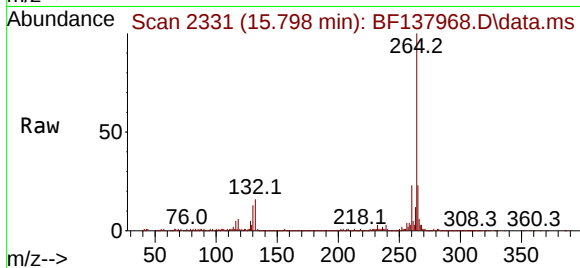
Tgt Ion:264 Resp: 360718

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 23.4 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 23.636 ng

RT: 17.421 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

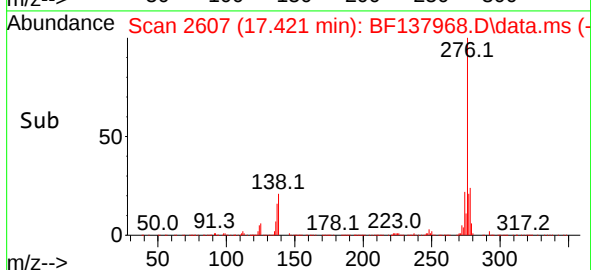
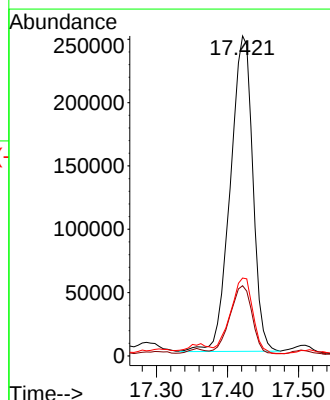
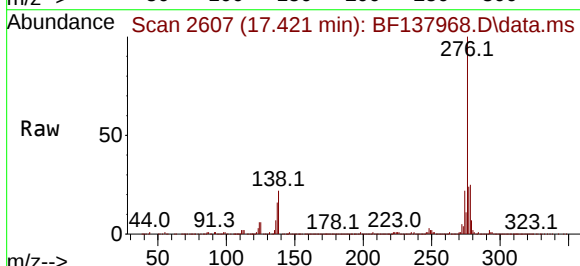
Tgt Ion:276 Resp: 547776

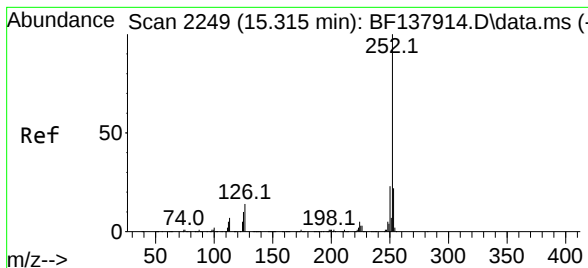
Ion Ratio Lower Upper

276 100

138 21.3 20.6 30.8

277 23.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 89.071 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPJ

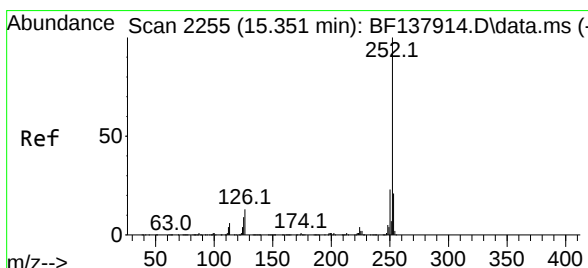
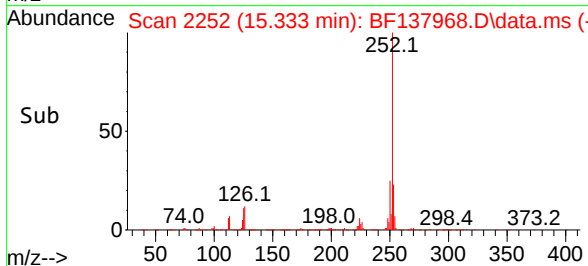
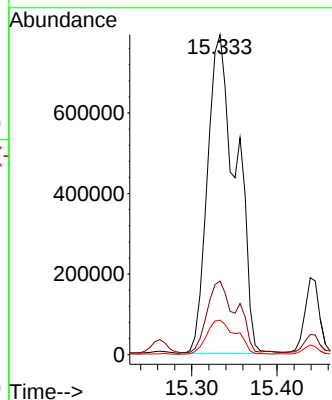
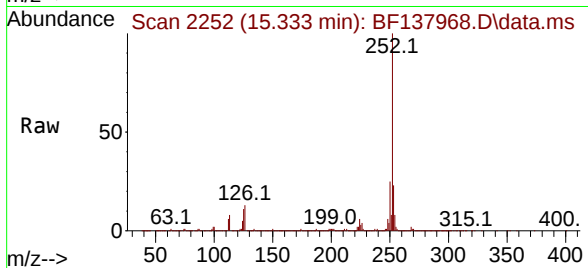
Tgt Ion:252 Resp: 1860316

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 10.8 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 90.639 ng

RT: 15.333 min Scan# 2252

Delta R.T. -0.018 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

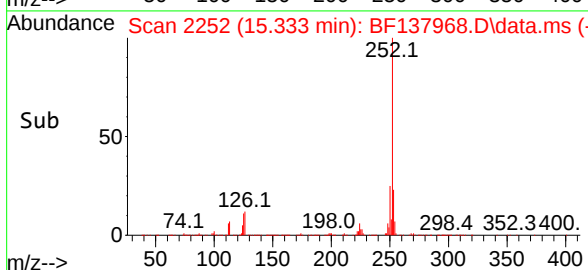
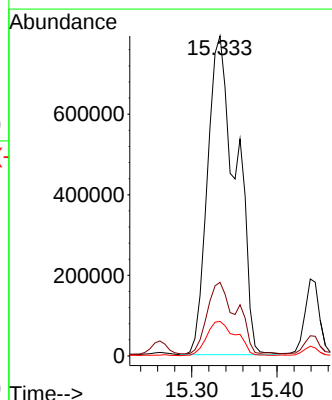
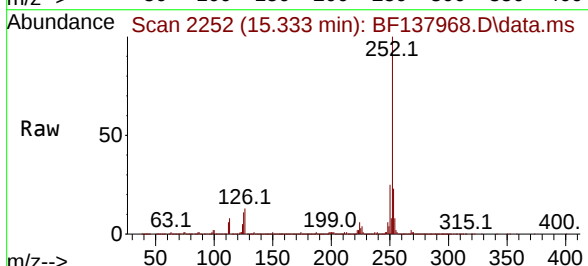
Tgt Ion:252 Resp: 1859745

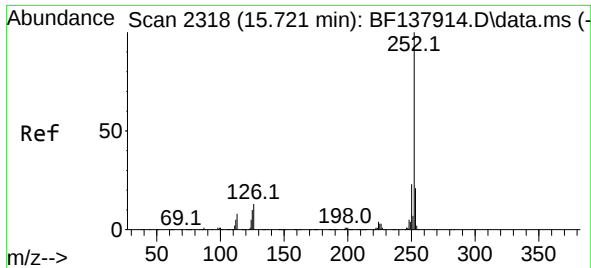
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 10.8 7.7 11.5

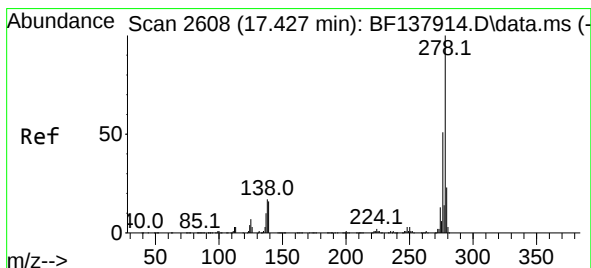
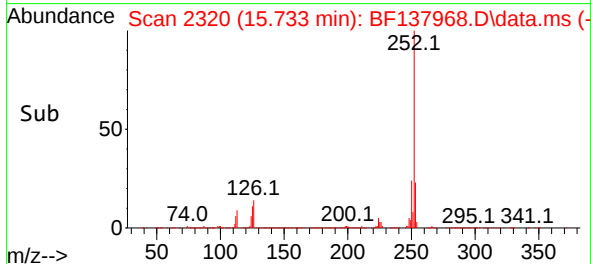
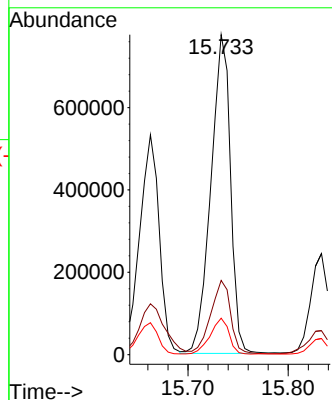
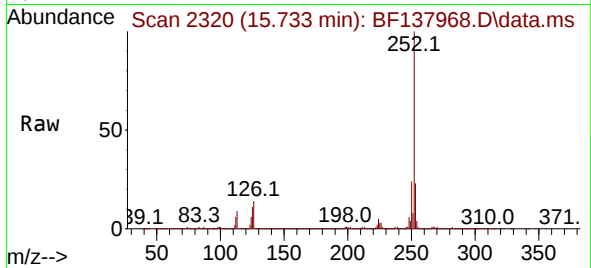




#90
Benzo(a)pyrene
Concen: 59.034 ng
RT: 15.733 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

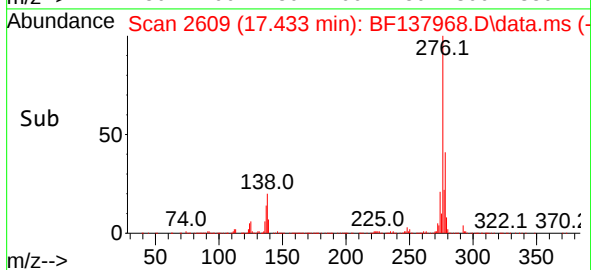
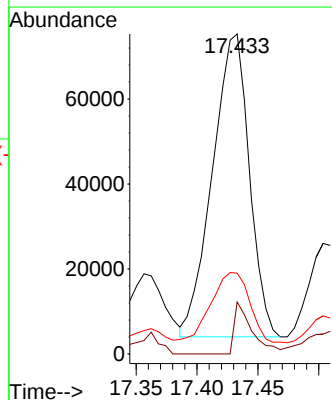
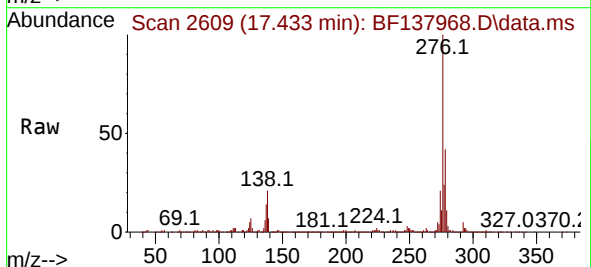
Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

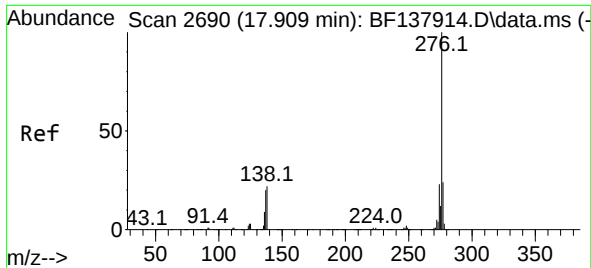
Tgt Ion:252 Resp: 1052838
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 11.4 7.8 11.8



#91
Dibenzo(a,h)anthracene
Concen: 7.832 ng
RT: 17.433 min Scan# 2609
Delta R.T. 0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

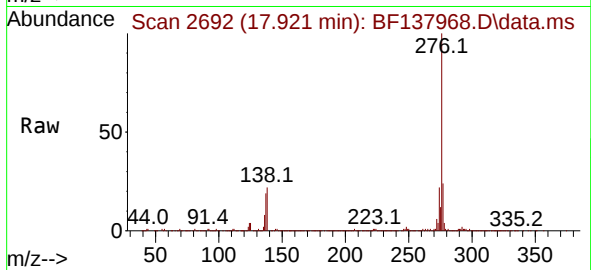
Tgt Ion:278 Resp: 149964
Ion Ratio Lower Upper
278 100
139 16.3 13.1 19.7
279 25.3 18.5 27.7





#92
 Benzo(g,h,i)perylene
 Concen: 24.517 ng
 RT: 17.921 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF137968.D
 Acq: 20 May 2024 19:36

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPJ



Tgt Ion:276 Resp: 493156
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.9 28.3
 138 22.0 17.6 26.4

