

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043957.D
 Acq On : 7 Jan 2020 16:41
 Operator : JU
 Sample : K6463-02 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GP-6-(4-6)

Quant Time: Jan 07 17:20:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	163696	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	677218	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	414120	20.00	ng	0.00
64) Phenanthrene-d10	17.33	188	848835	20.00	ng	0.00
76) Chrysene-d12	21.58	240	730717	20.00	ng	0.00
87) Perylene-d12	24.71	264	830736	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	508248	57.01	ng	0.00
7) Phenol-d6	7.13	99	709068	56.90	ng	0.00
23) Nitrobenzene-d5	9.11	82	406059	32.08	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	219319	50.61	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	756623	33.10	ng	0.00
79) Terphenyl-d14	19.95	244	984361	23.55	ng	0.00

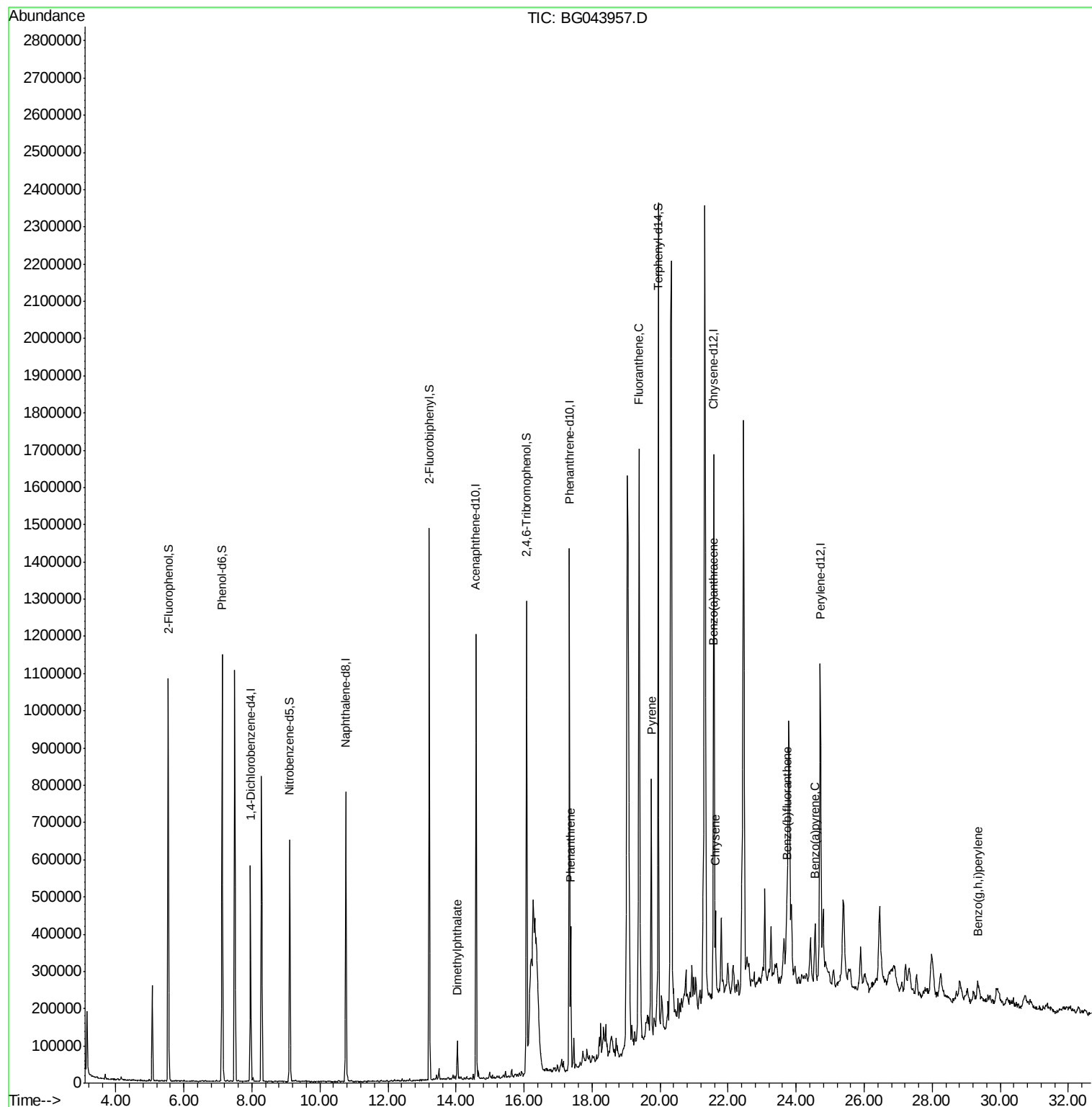
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.04	163	73337	2.494	ng	95
71) Phenanthrene	17.37	178	231370	5.683	ng	95
75) Fluoranthene	19.38	202	396574	8.517	ng	96
78) Pyrene	19.74	202	378675	7.939	ng	92
81) Benzo(a)anthracene	21.56	228	191615	4.229	ng	93
83) Chrysene	21.63	228	161389	3.749	ng	95
88) Benzo(b)fluoranthene	23.72	252	230702	4.698	ng	97
90) Benzo(a)pyrene	24.56	252	165631	3.573	ng	97
92) Benzo(g,h,i)perylene	29.34	276	106426	2.302	ng	97

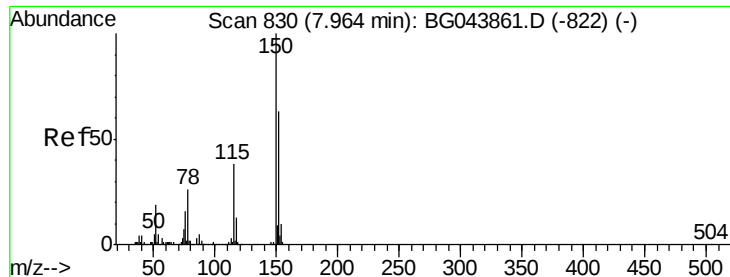
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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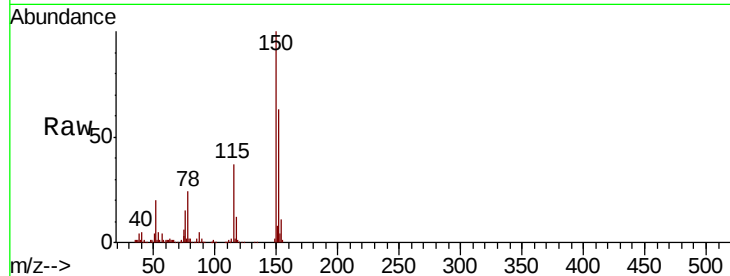


#1

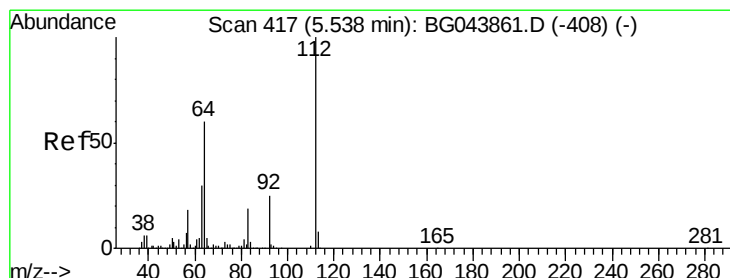
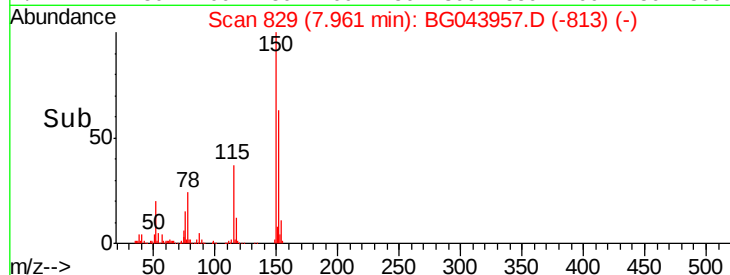
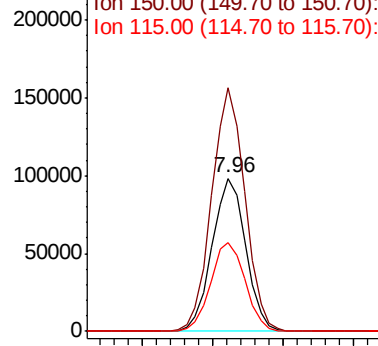
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.0	190.4
115	58.3	47.8	71.8



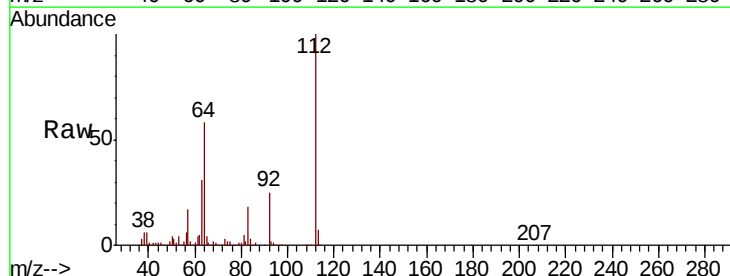
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



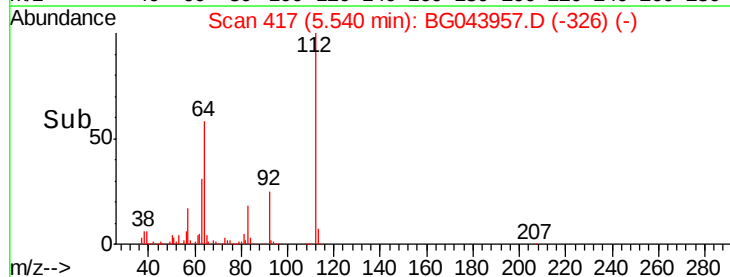
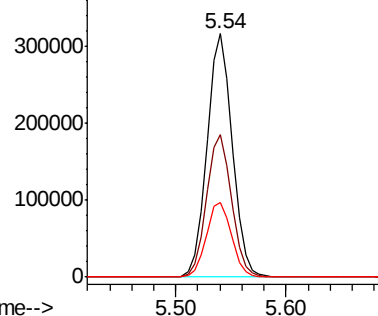
#5

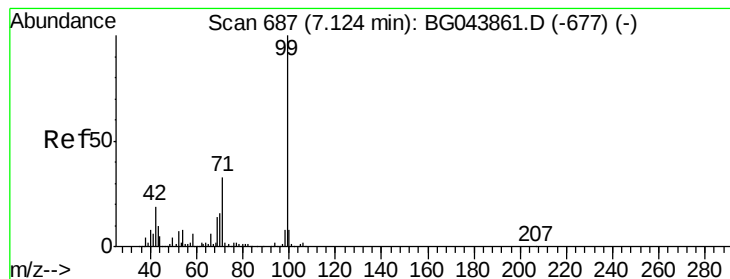
2-Fluorophenol
Concen: 57.008 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.8	71.6
63	30.7	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 56.898 ng

RT: 7.13 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG043957.D

Acq: 7 Jan 2020 16:41

Instrument :

BNA_G

ClientSampleId :

GP-6-(4-6)

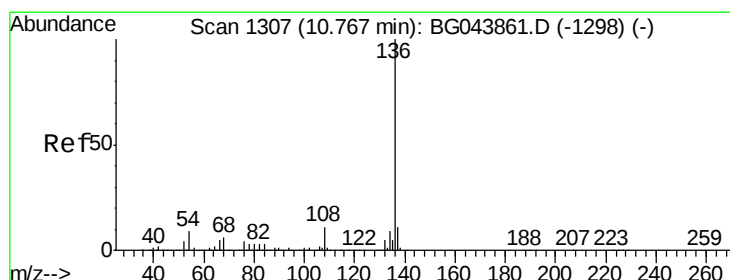
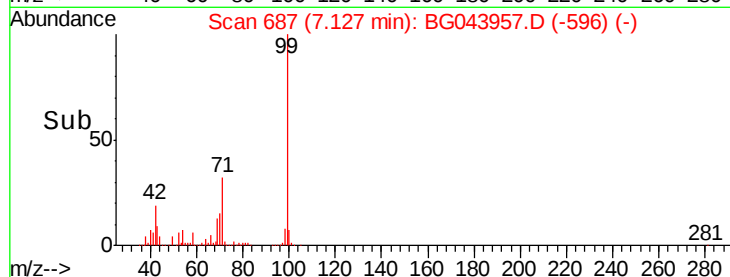
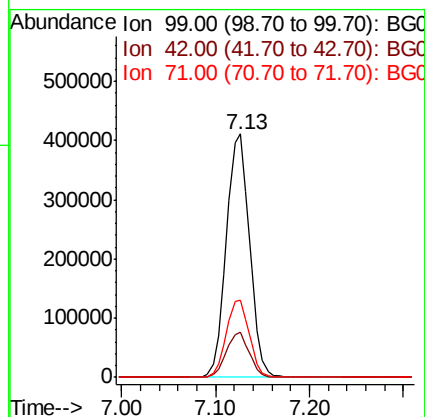
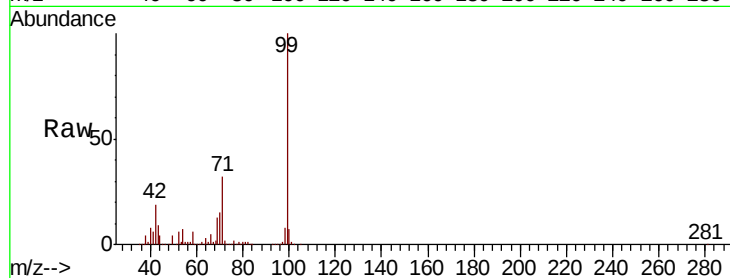
Tot Ion: 99 Resp: 709068

Ion Ratio Lower Upper

99 100

42 18.6 14.9 22.3

71 31.5 26.4 39.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BG043957.D

Acq: 7 Jan 2020 16:41

Tgt Ion: 136 Resp: 677218

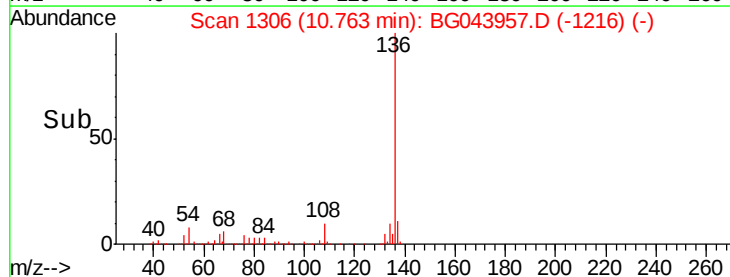
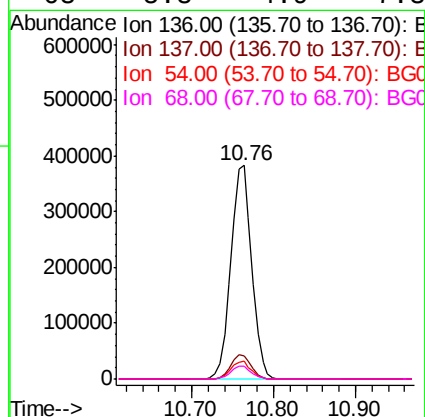
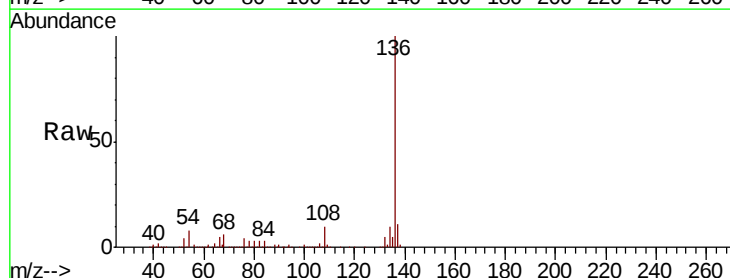
Ion Ratio Lower Upper

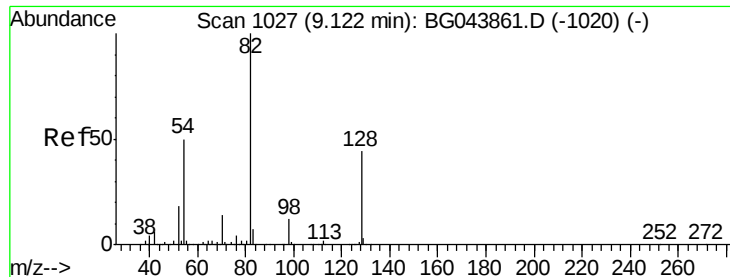
136 100

137 10.8 8.8 13.2

54 8.2 7.0 10.4

68 5.8 4.9 7.3

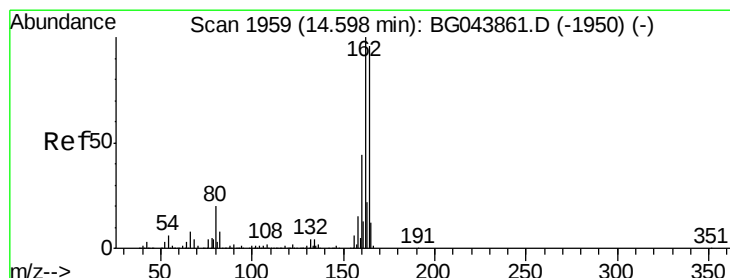
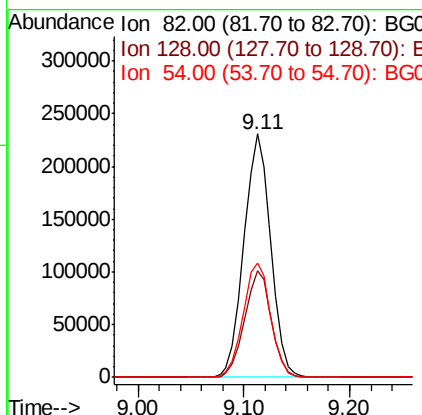
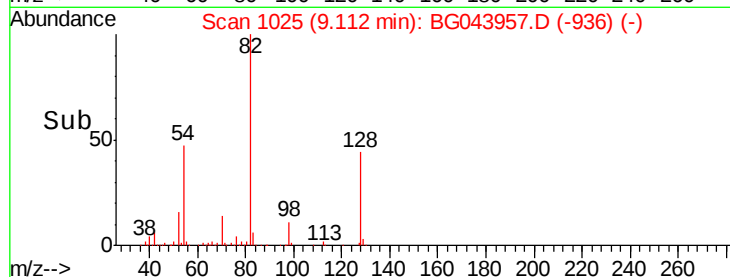
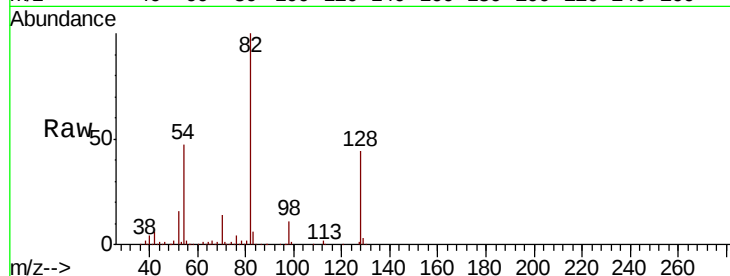




#23
Nitrobenzene-d5
Concen: 32.076 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

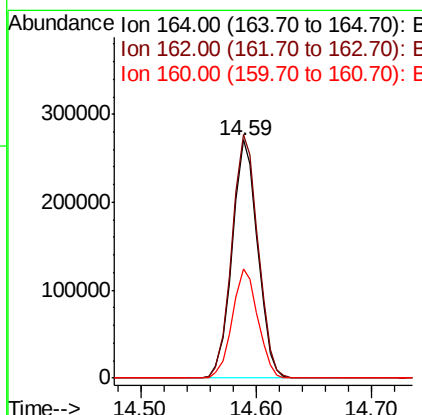
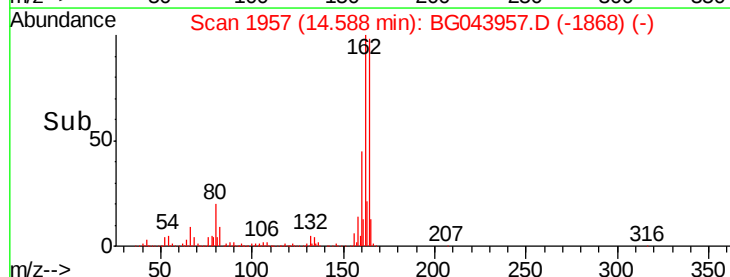
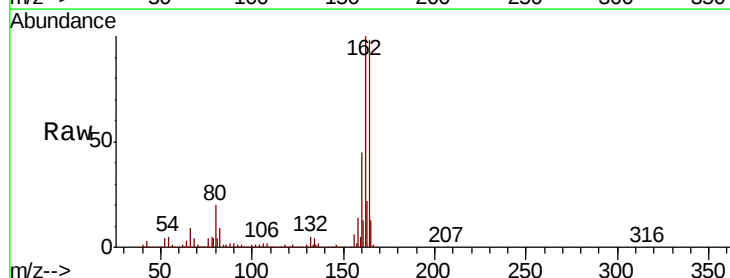
Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

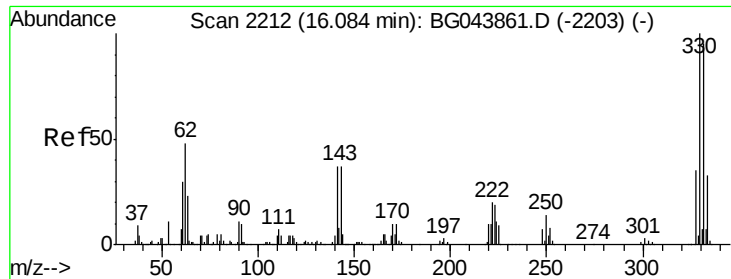
Tot Ion: 82 Resp: 406059
Ion Ratio Lower Upper
82 100
128 43.9 35.1 52.7
54 47.1 40.1 60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion: 164 Resp: 414120
Ion Ratio Lower Upper
164 100
162 102.3 83.0 124.4
160 46.0 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 50.608 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG043957.D

Acq: 7 Jan 2020 16:41

Instrument :

BNA_G

ClientSampleId :

GP-6-(4-6)

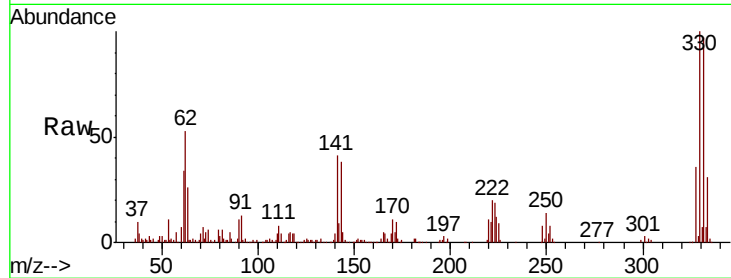
Tot Ion:330 Resp: 219319

Ion Ratio Lower Upper

330 100

332 95.6 77.2 115.8

141 41.7 33.1 49.7

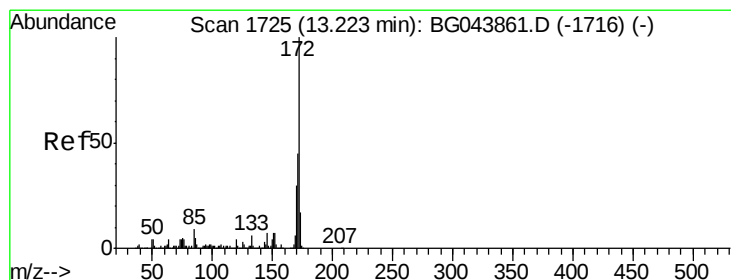
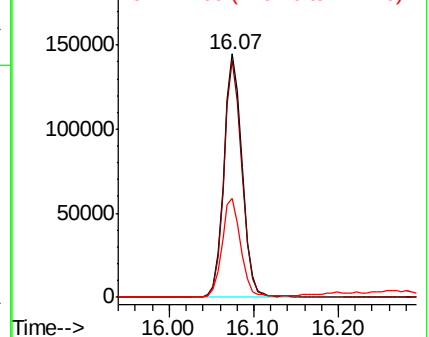
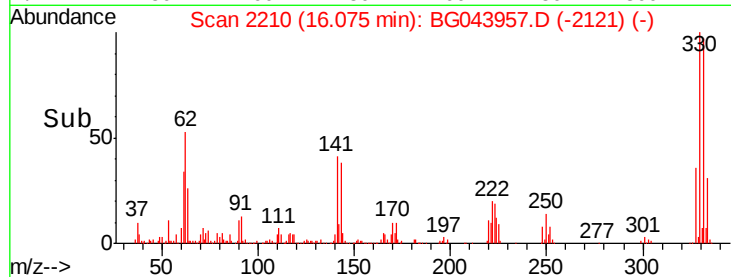


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 33.102 ng

RT: 13.21 min Scan# 1723

Delta R.T. -0.01 min

Lab File: BG043957.D

Acq: 7 Jan 2020 16:41

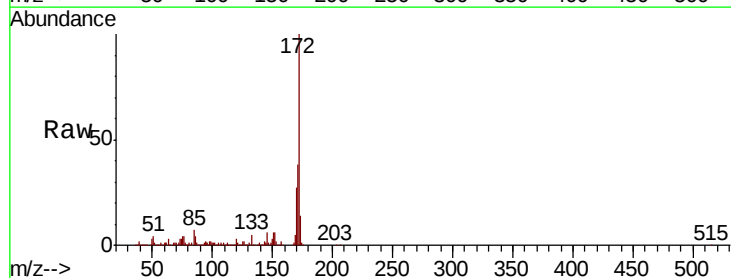
Tgt Ion:172 Resp: 756623

Ion Ratio Lower Upper

172 100

171 38.2 35.8 53.8

170 26.6 24.2 36.4

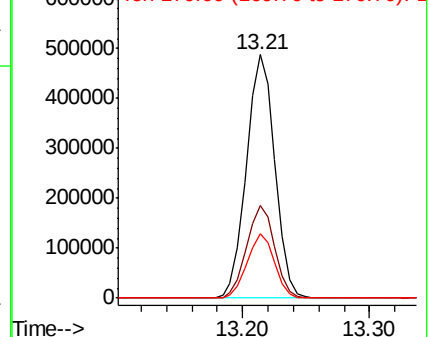
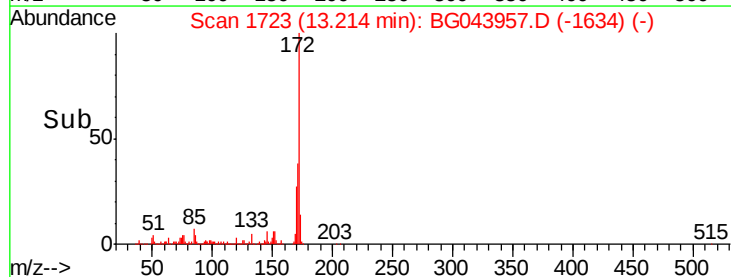


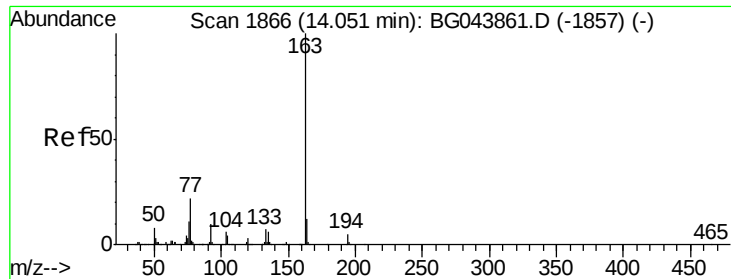
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

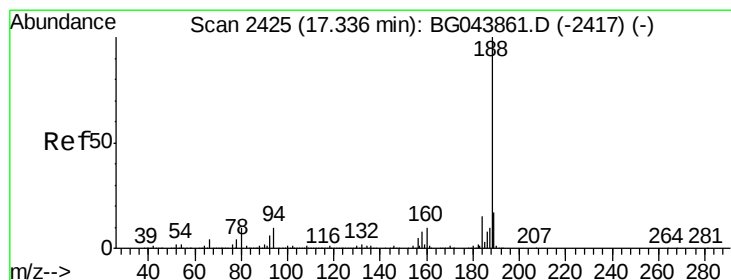
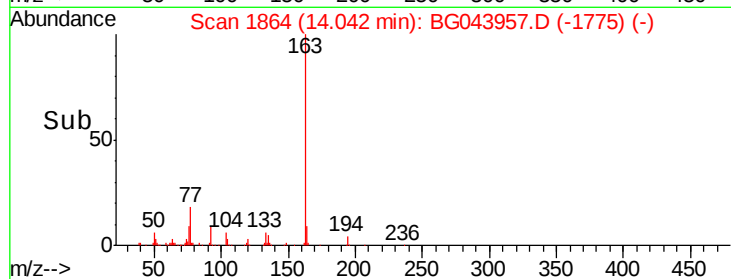
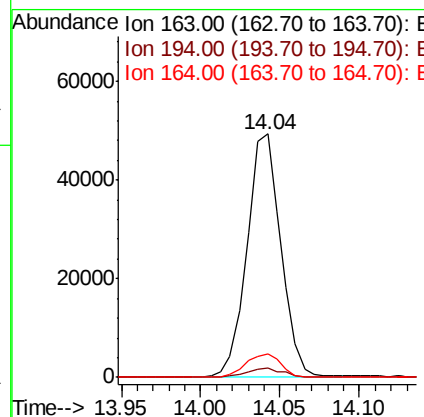
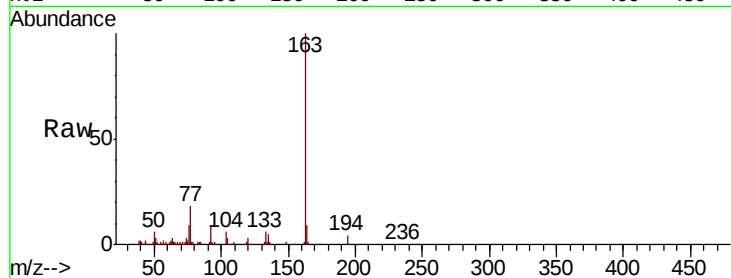




#50
 Dimethylphthalate
 Concen: 2.494 ng
 RT: 14.04 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BG043957.D
 Acq: 7 Jan 2020 16:41

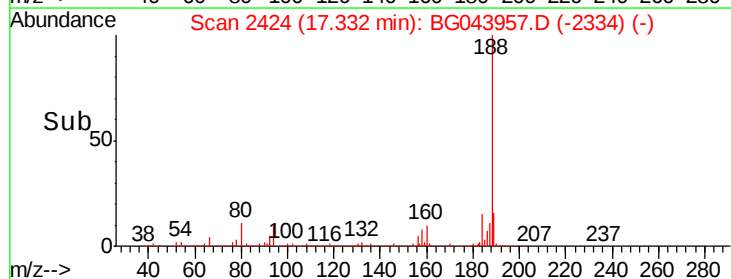
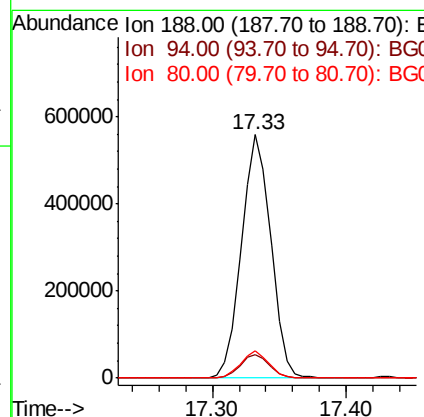
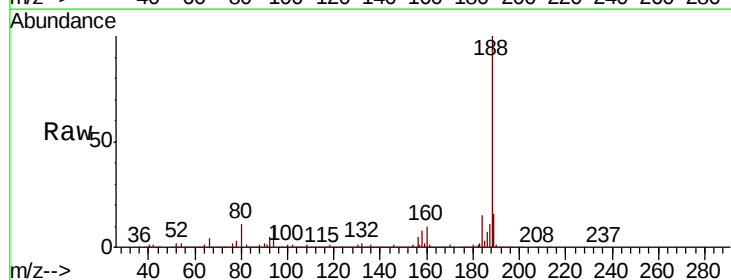
Instrument :
 BNA_G
 ClientSampleId :
 GP-6-(4-6)

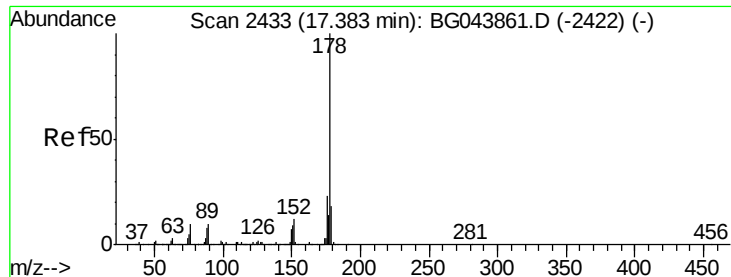
Tot Ion:163 Resp: 73337
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.7 5.5
 164 9.4 9.3 13.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.33 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: BG043957.D
 Acq: 7 Jan 2020 16:41

Tgt Ion:188 Resp: 848835
 Ion Ratio Lower Upper
 188 100
 94 9.9 7.9 11.9
 80 11.0 8.2 12.4





#71

Phenanthrene

Concen: 5.683 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG043957.D

Acq: 7 Jan 2020 16:41

Instrument :

BNA_G

ClientSampleId :

GP-6-(4-6)

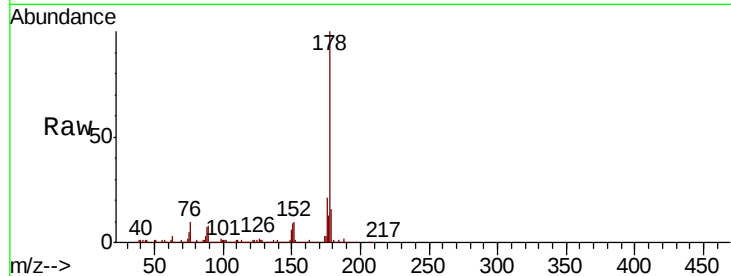
Tot Ion:178 Resp: 231370

Ion Ratio Lower Upper

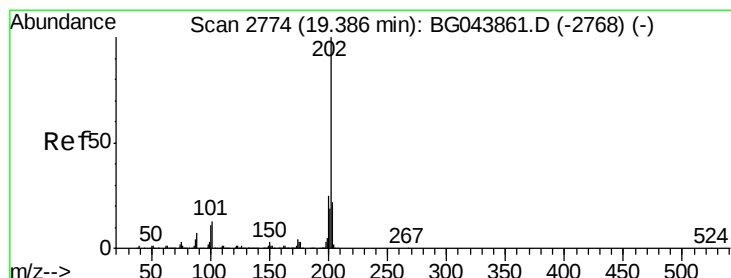
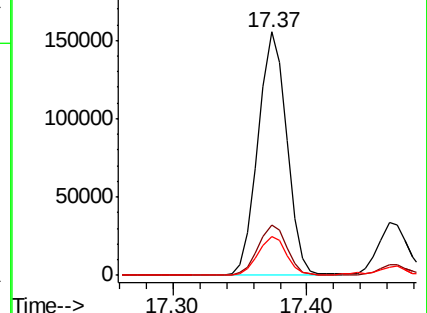
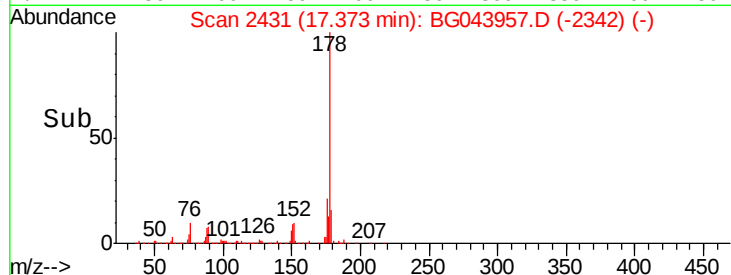
178 100

176 20.5 18.6 28.0

179 15.7 14.4 21.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 8.517 ng

RT: 19.38 min Scan# 2773

Delta R.T. -0.00 min

Lab File: BG043957.D

Acq: 7 Jan 2020 16:41

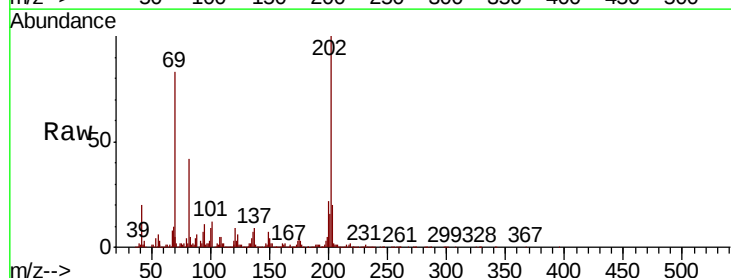
Tgt Ion:202 Resp: 396574

Ion Ratio Lower Upper

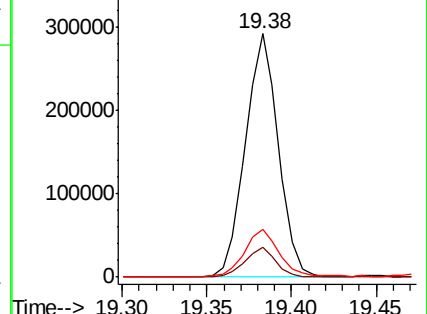
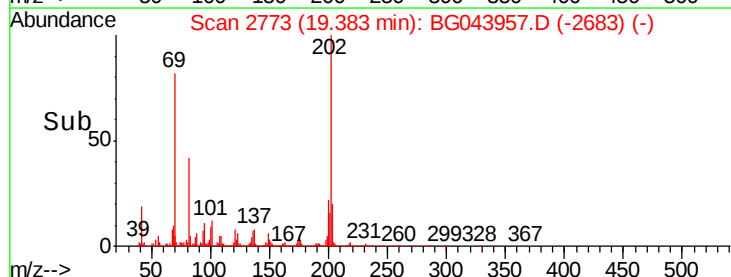
202 100

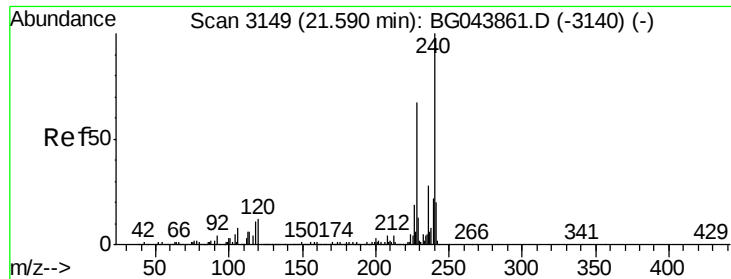
101 12.1 0.0 33.3

203 19.6 1.6 41.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

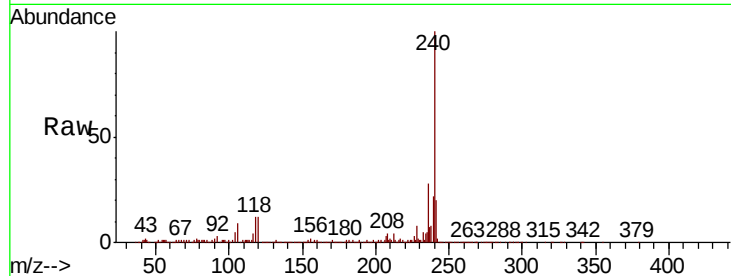




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.6	14.4
236	28.4	22.2	33.2

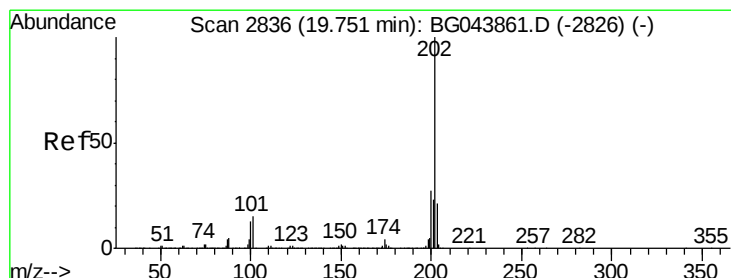
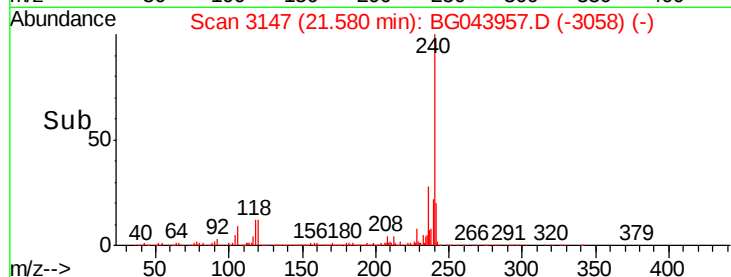
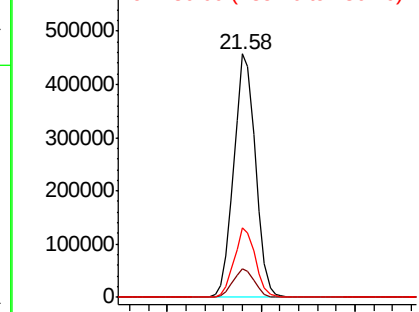


Abundance

Ion 240.00 (239.70 to 240.70): E

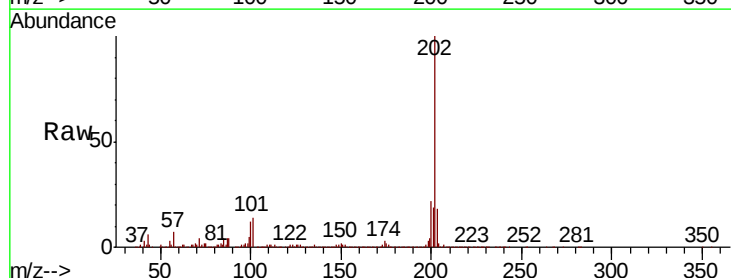
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 7.939 ng
RT: 19.74 min Scan# 2834
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	21.7	32.5
203	18.4	17.0	25.6

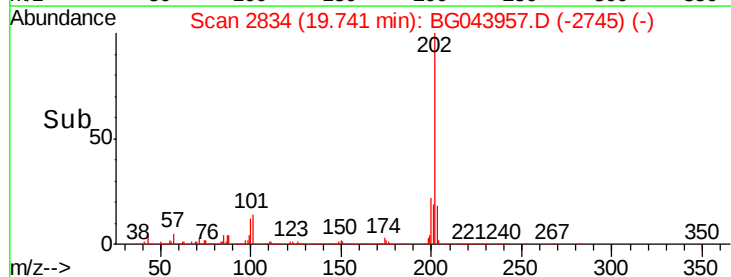
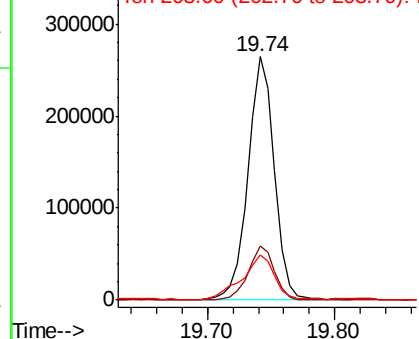


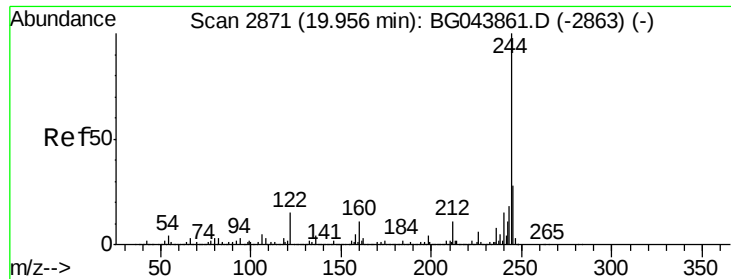
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 23.554 ng

RT: 19.95 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BG043957.D

Acq: 7 Jan 2020 16:41

Instrument :

BNA_G

ClientSampleId :

GP-6-(4-6)

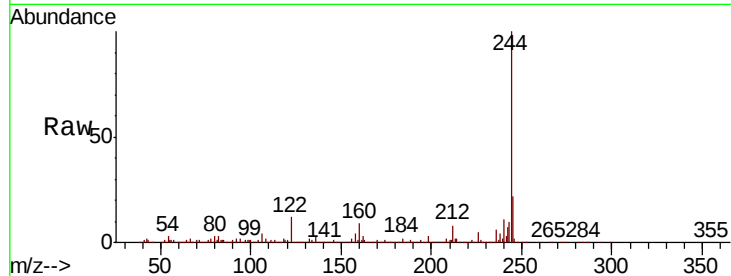
Tot Ion:244 Resp: 984361

Ion Ratio Lower Upper

244 100

212 8.0 8.6 13.0#

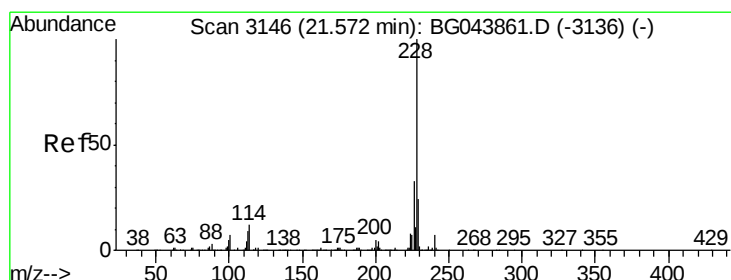
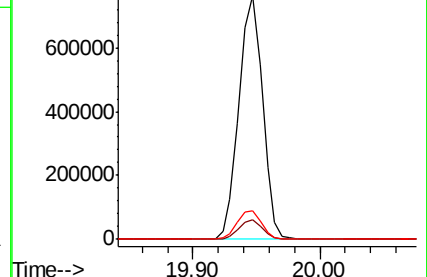
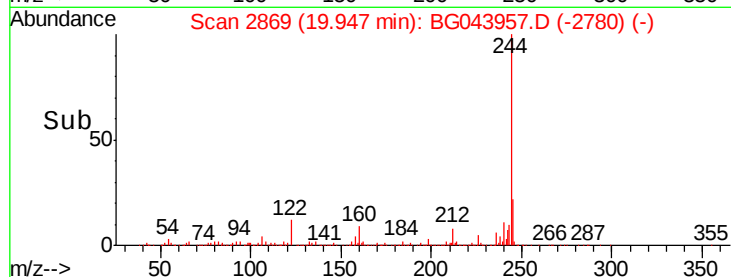
122 11.8 11.9 17.9#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.229 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG043957.D

Acq: 7 Jan 2020 16:41

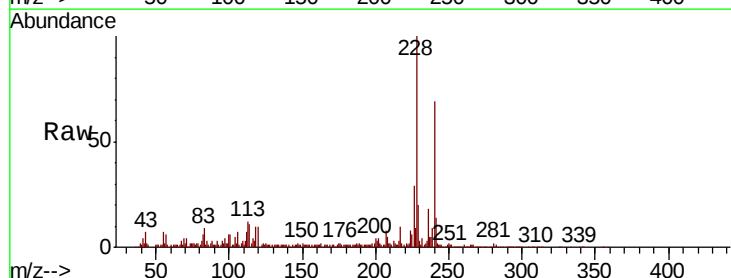
Tgt Ion:228 Resp: 191615

Ion Ratio Lower Upper

228 100

226 29.3 26.2 39.4

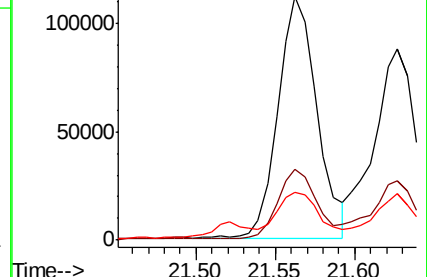
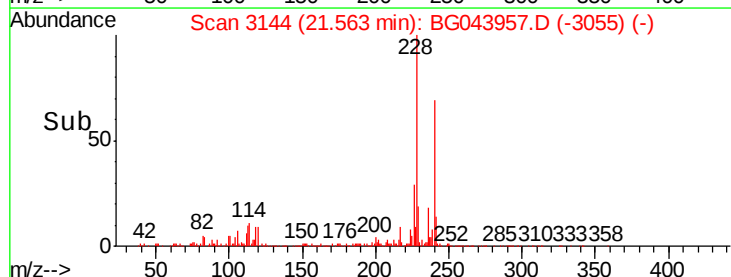
229 19.8 18.9 28.3

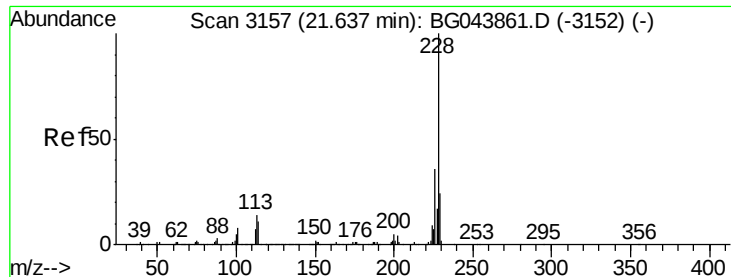


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

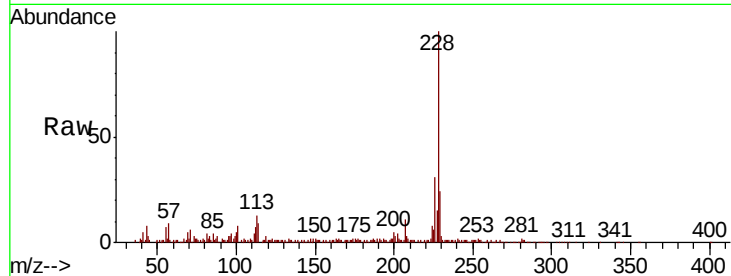




#83
Chrysene
Concen: 3.749 ng
RT: 21.63 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	28.8	43.2
229	24.2	19.0	28.6

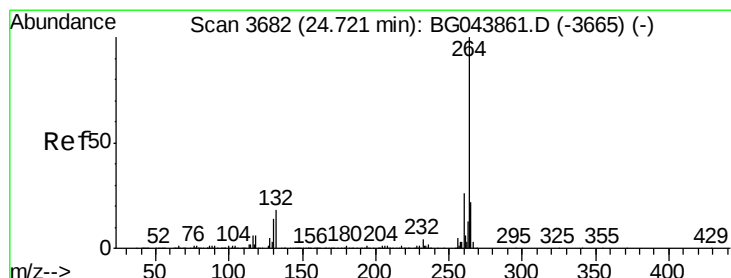
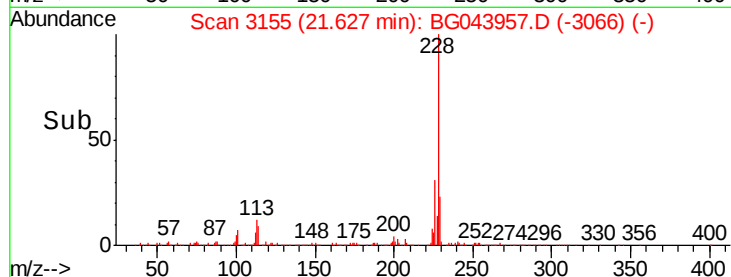
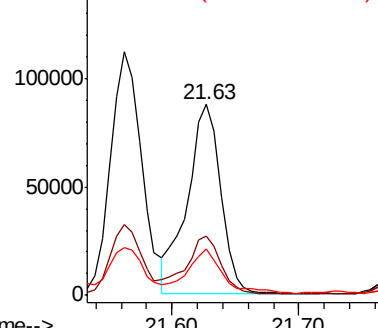


Abundance

Ion 228.00 (227.70 to 228.70): E

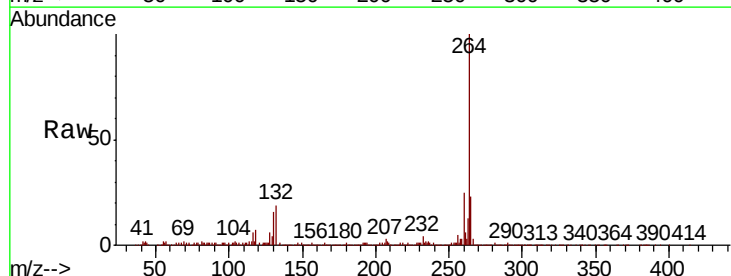
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.4	30.6
265	22.8	17.4	26.2

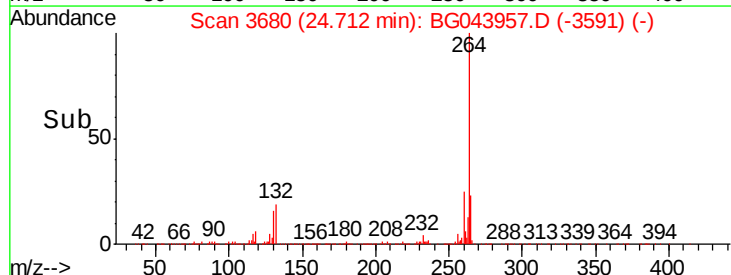
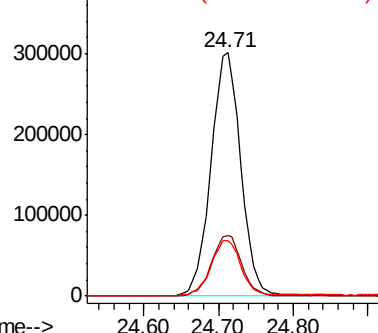


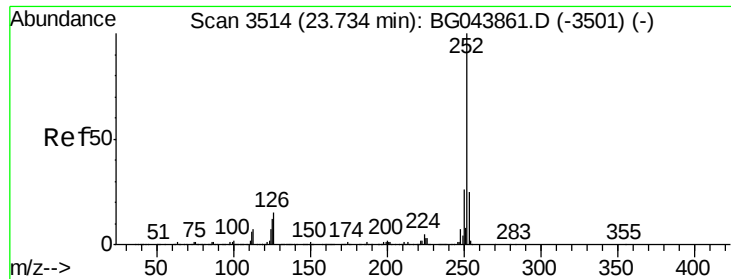
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

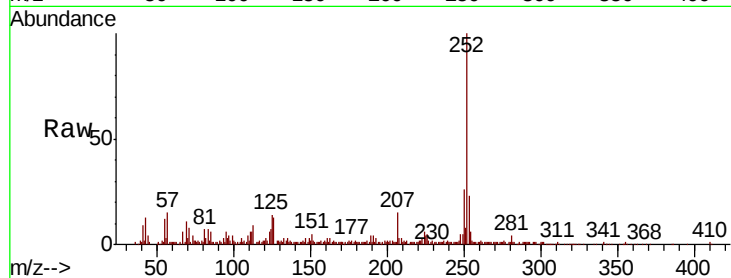




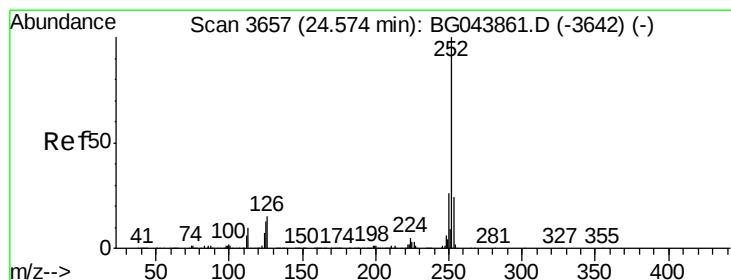
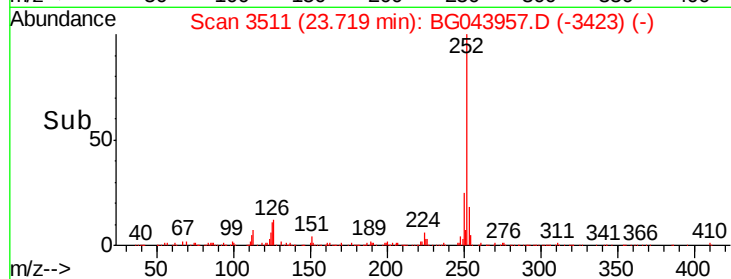
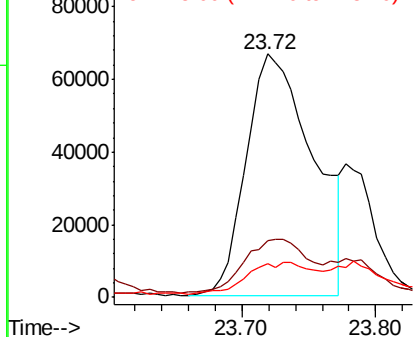
#88
Benzo(b)fluoranthene
Concen: 4.698 ng
RT: 23.72 min Scan# 3511
Delta R.T. -0.02 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Instrument :
BNA_G
ClientSampleId :
GP-6-(4-6)

Tot Ion:252 Resp: 230702
Ion Ratio Lower Upper
252 100
253 23.4 19.7 29.5
125 13.8 9.4 14.2

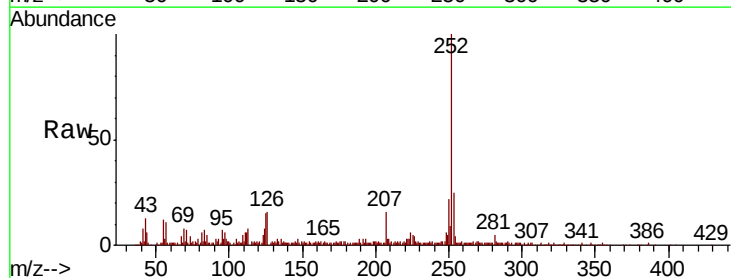


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

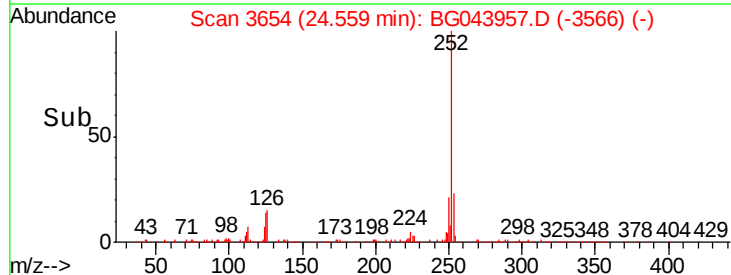
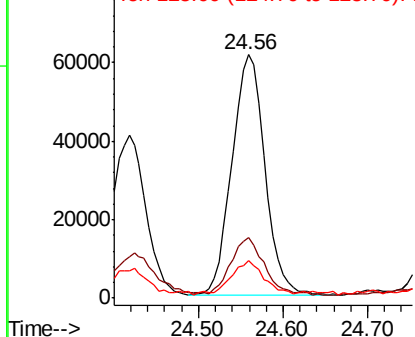


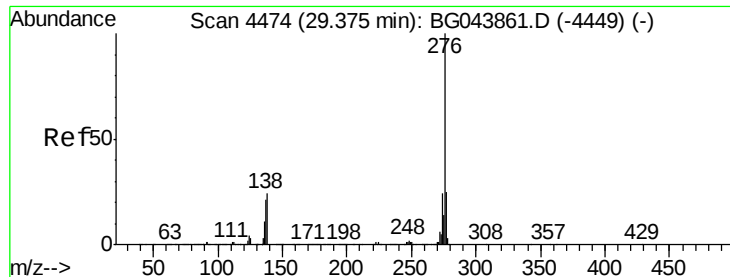
#90
Benzo(a)pyrene
Concen: 3.573 ng
RT: 24.56 min Scan# 3654
Delta R.T. -0.02 min
Lab File: BG043957.D
Acq: 7 Jan 2020 16:41

Tgt Ion:252 Resp: 165631
Ion Ratio Lower Upper
252 100
253 24.7 19.3 28.9
125 15.4 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 2.302 ng

RT: 29.34 min Scan# 4467

Delta R.T. -0.04 min

Lab File: BG043957.D

Acq: 7 Jan 2020 16:41

Instrument :

BNA_G

ClientSampleId :

GP-6-(4-6)

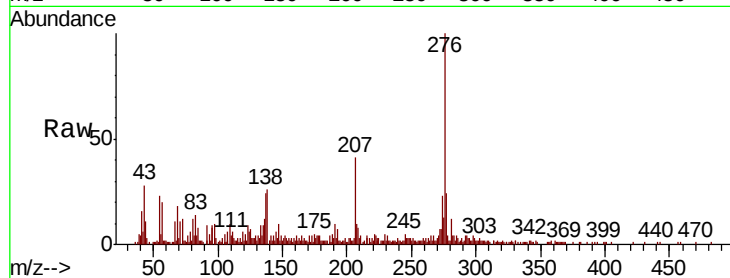
Tot Ion: 276 Resp: 106426

Ion Ratio Lower Upper

276 100

277 24.1 20.2 30.4

138 26.0 19.0 28.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

