

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
 Data File : BG021044.D
 Acq On : 24 Feb 2016 3:15
 Operator : UM/SJ
 Sample : H1507-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-01

Quant Time: Feb 24 04:07:03 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 24 00:35:06 2016
 Response via : Initial Calibration

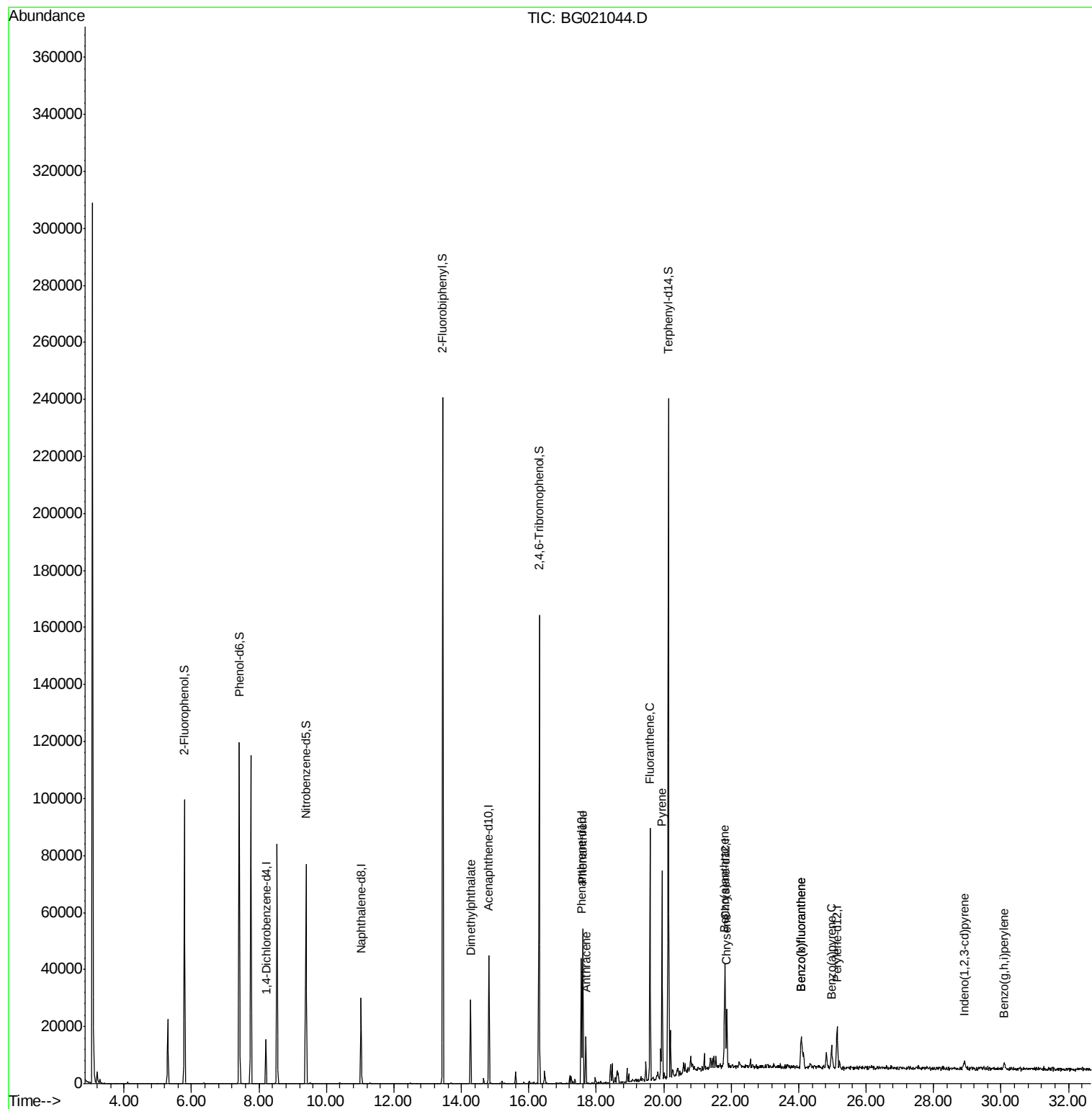
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	4937	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	26541	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	15402	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	27120	20.00	ng	0.00
75) Chrysene-d12	21.82	240	17532	20.00	ng	0.00
86) Perylene-d12	25.14	264	15962	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	46130	163.81	ng	0.00
7) Phenol-d6	7.41	99	74204	171.10	ng	0.00
23) Nitrobenzene-d5	9.39	82	48444	107.17	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	28637	155.20	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	120530	108.94	ng	0.00
78) Terphenyl-d14	20.14	244	95350	70.57	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.28	163	20281	16.15	ng	# 98
70) Phenanthrene	17.59	178	34260	22.33	ng	98
71) Anthracene	17.69	178	10831	7.09	ng	98
74) Fluoranthene	19.59	202	53544	34.71	ng	99
77) Pyrene	19.95	202	43148	21.54	ng	99
80) Benzo(a)anthracene	21.80	228	17257	16.42	ng	98
82) Chrysene	21.87	228	14830	15.12	ng	98
85) Indeno(1,2,3-cd)pyrene	28.90	276	5020	5.69	ng	# 100
87) Benzo(b)fluoranthene	24.08	252	14326	13.61	ng	97
88) Benzo(k)fluoranthene	24.08	252	14326	14.43	ng	96
89) Benzo(a)pyrene	24.98	252	8620	9.14	ng	# 93
91) Benzo(g,h,i)perylene	30.09	276	4723	5.57	ng	95

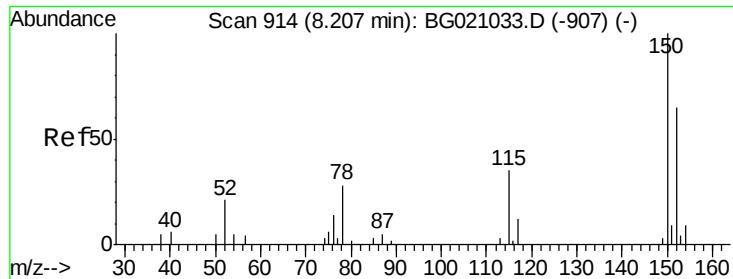
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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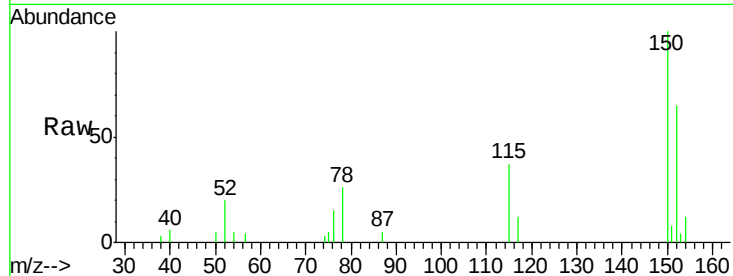




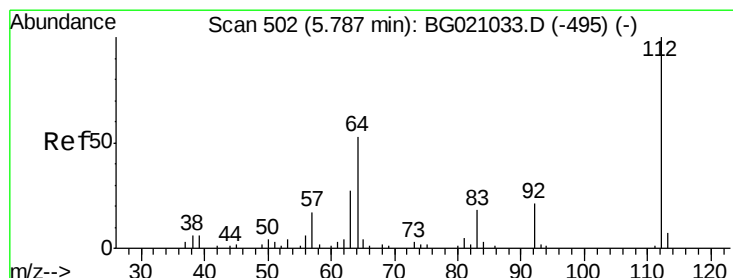
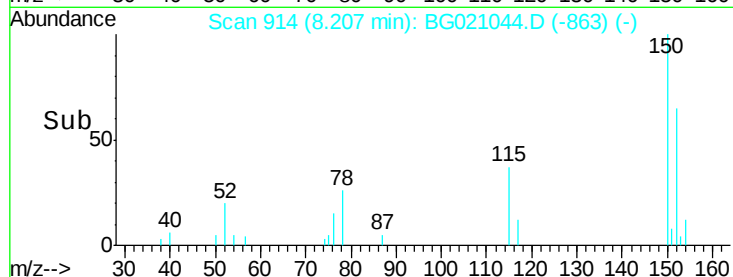
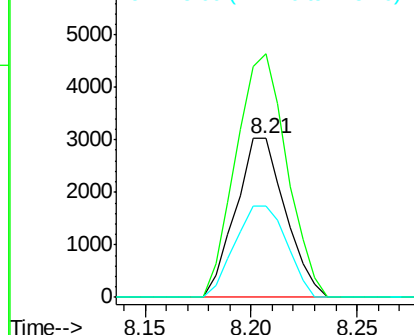
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.21 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BG021044.D
 Acq: 24 Feb 2016 3:15

Instrument :
 BNA_G
 ClientSampleId :
 P-01

Tgt Ion:152 Resp: 4937
 Ion Ratio Lower Upper
 152 100
 150 153.4 123.4 185.2
 115 57.2 43.3 64.9

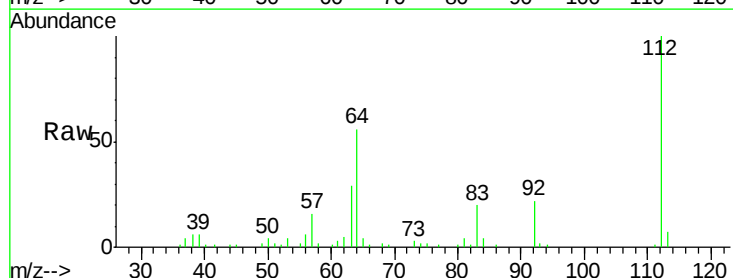


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

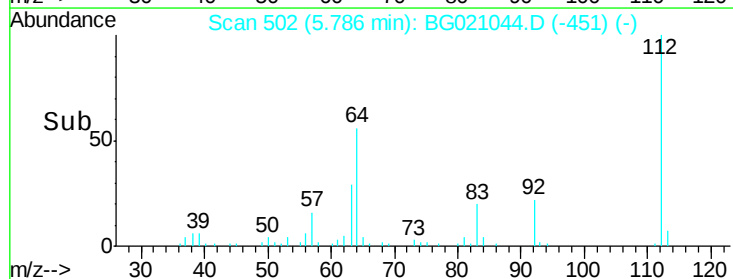
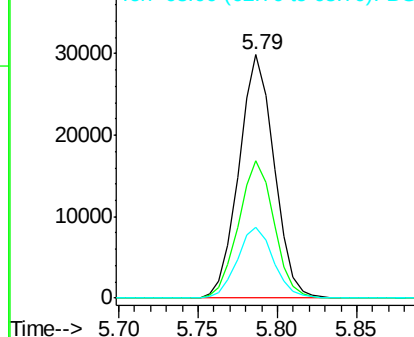


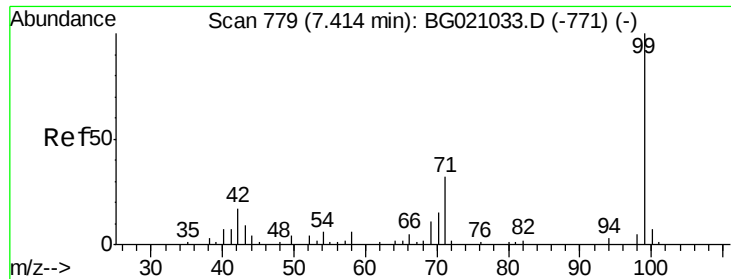
#5
 2-Fluorophenol
 Concen: 163.81 ng
 RT: 5.79 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: BG021044.D
 Acq: 24 Feb 2016 3:15

Tgt Ion:112 Resp: 46130
 Ion Ratio Lower Upper
 112 100
 64 56.5 42.6 63.8
 63 29.2 21.7 32.5



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: 171.10 ng

RT: 7.41 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Instrument :

BNA_G

ClientSampleId :

P-01

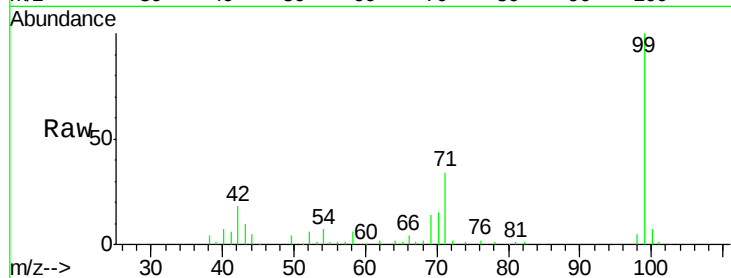
Tgt Ion: 99 Resp: 74204

Ion Ratio Lower Upper

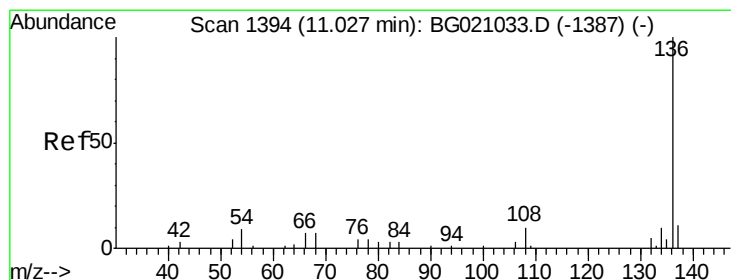
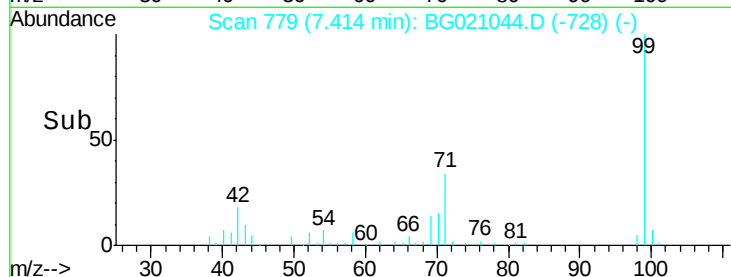
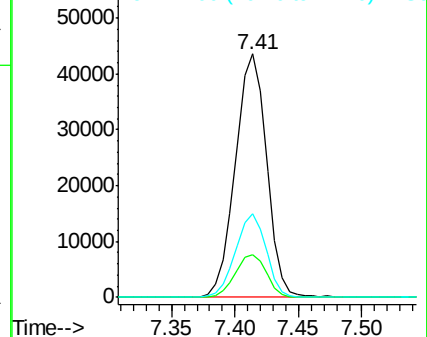
99 100

42 17.6 13.2 19.8

71 34.3 25.2 37.8



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Tgt Ion: 136 Resp: 26541

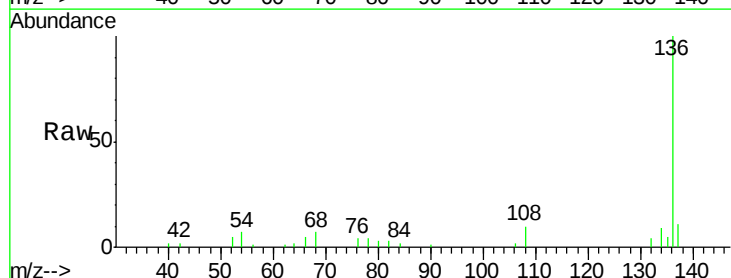
Ion Ratio Lower Upper

136 100

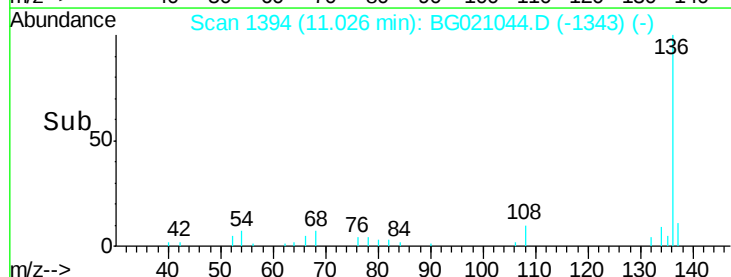
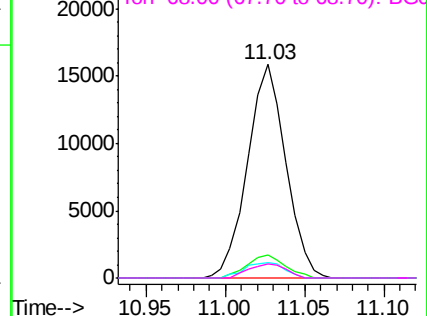
137 10.5 8.8 13.2

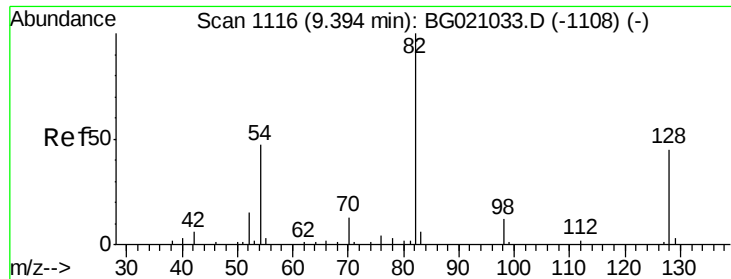
54 7.4 6.9 10.3

68 6.6 5.8 8.6



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

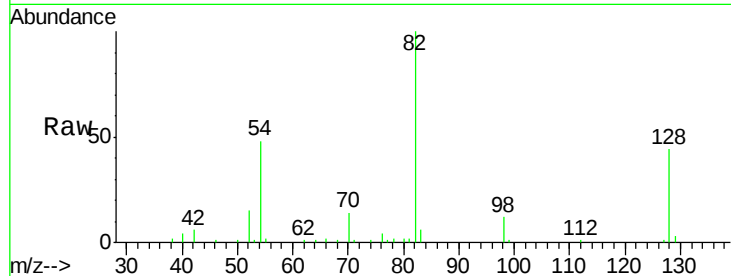




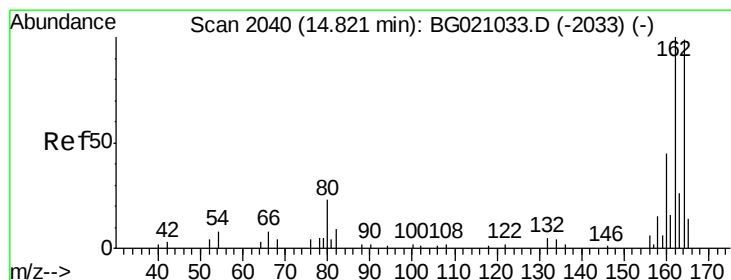
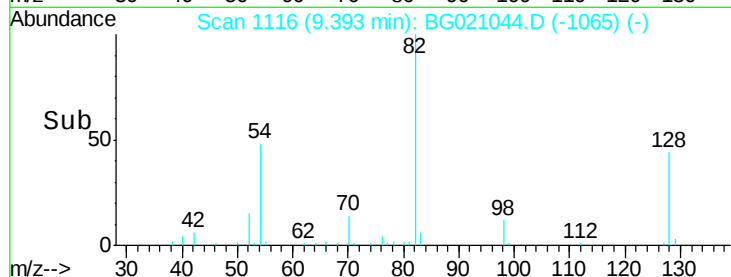
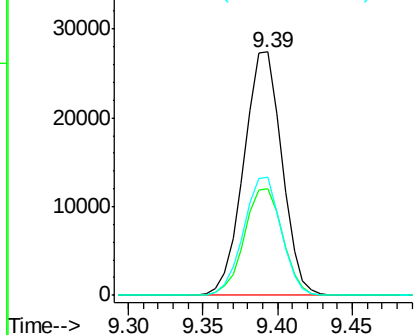
#23
Nitrobenzene-d5
Concen: 107.17 ng
RT: 9.39 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Instrument :
BNA_G
ClientSampleId :
P-01

Tgt Ion: 82 Resp: 48444
Ion Ratio Lower Upper
82 100
128 43.7 36.3 54.5
54 48.4 37.6 56.4

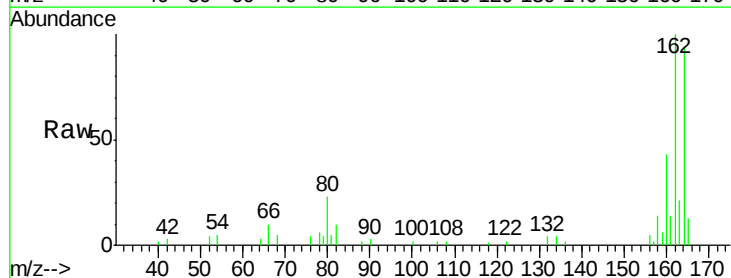


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

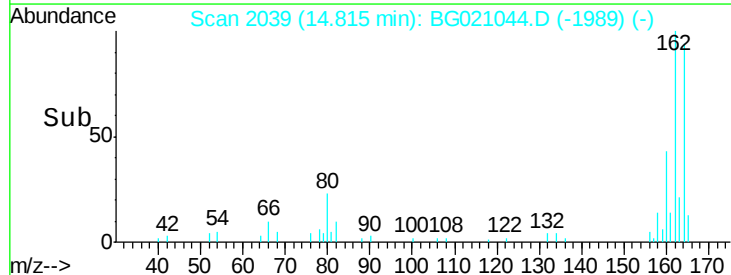
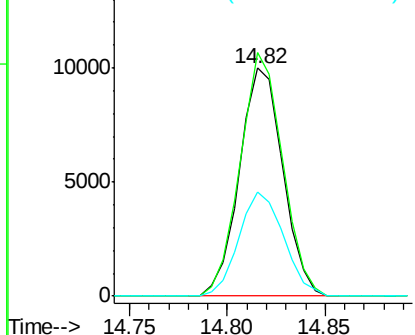


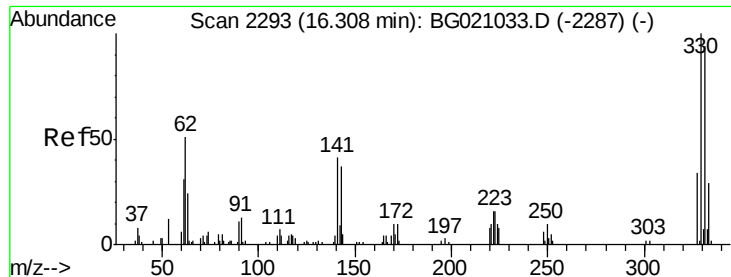
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Tgt Ion: 164 Resp: 15402
Ion Ratio Lower Upper
164 100
162 106.7 80.6 120.8
160 45.8 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

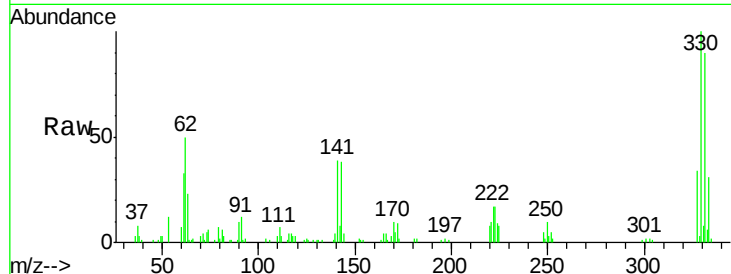




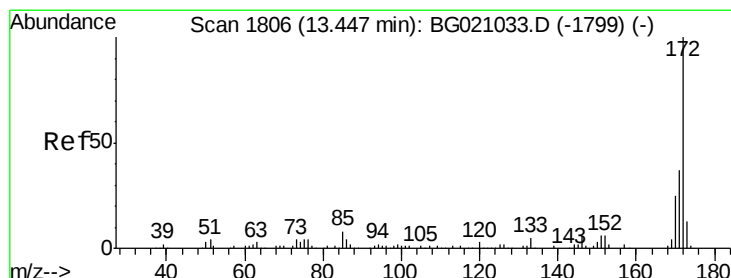
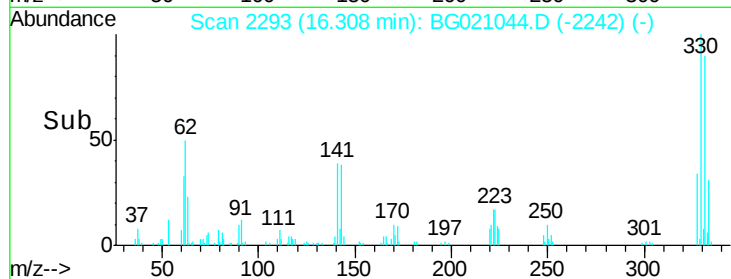
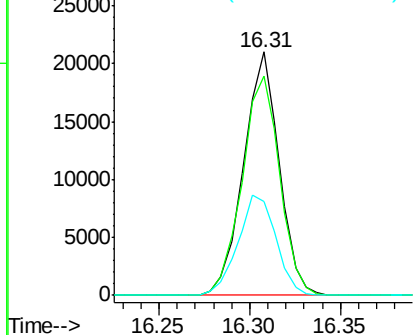
#41
 2,4,6-Tribromophenol
 Concen: 155.20 ng
 RT: 16.31 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: BG021044.D
 Acq: 24 Feb 2016 3:15

Instrument :
 BNA_G
 ClientSampled :
 P-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.4	116.0
141	43.8	35.3	52.9

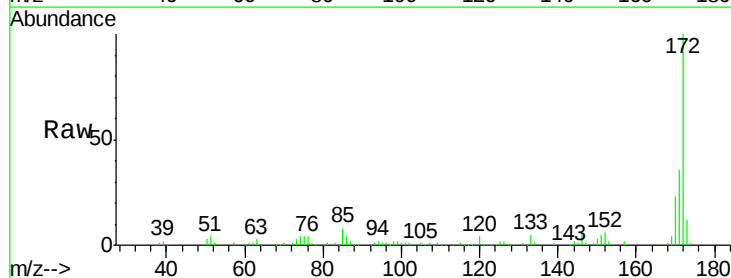


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

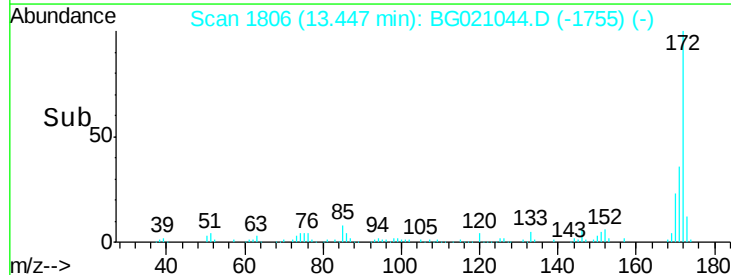
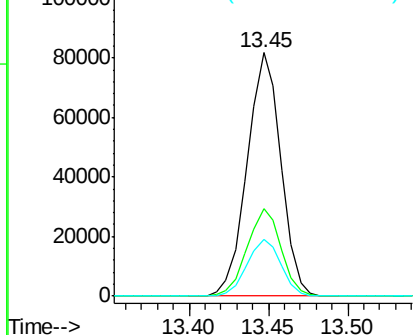


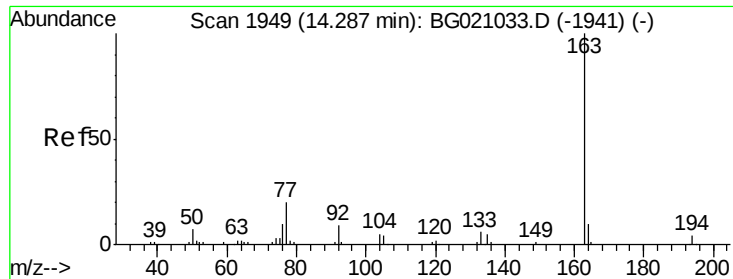
#44
 2-Fluorobiphenyl
 Concen: 108.94 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BG021044.D
 Acq: 24 Feb 2016 3:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.2	19.8	29.8



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





#49

Dimethylphthalate

Concen: 16.15 ng

RT: 14.28 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

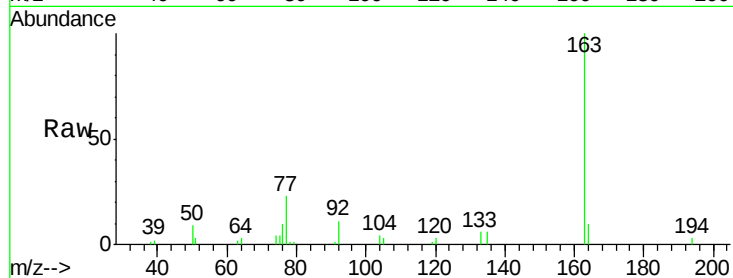
Instrument :

BNA_G

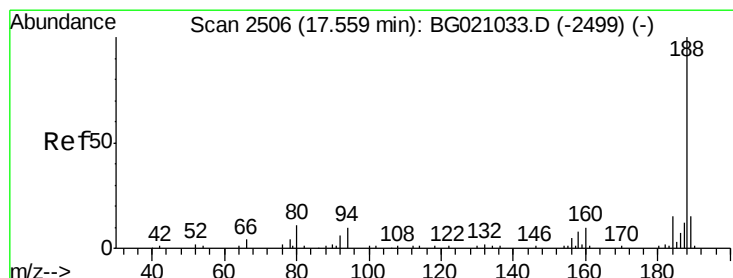
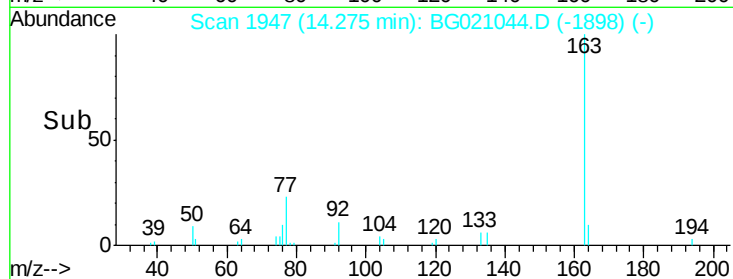
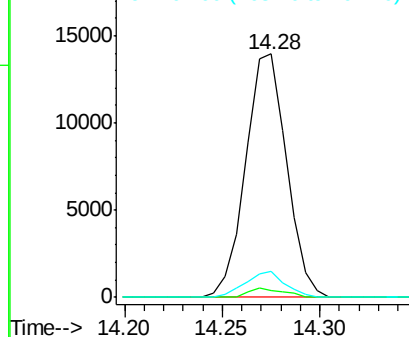
ClientSampleId :

P-01

Tgt Ion:	163	Resp:	20281
Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.8	4.2#
164	10.5	7.9	11.9



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

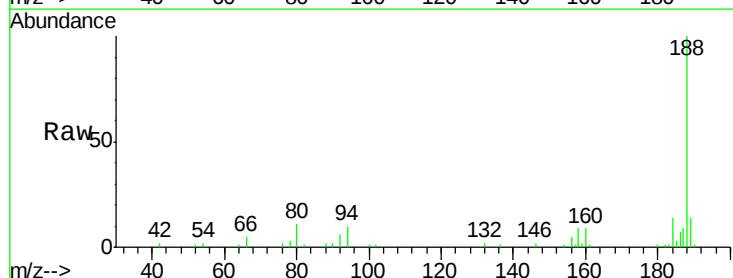
RT: 17.55 min Scan# 2505

Delta R.T. -0.01 min

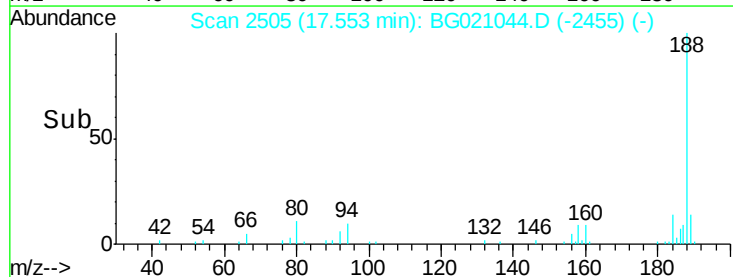
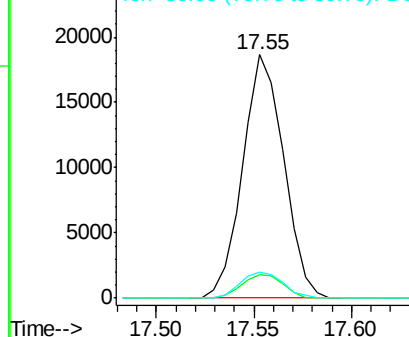
Lab File: BG021044.D

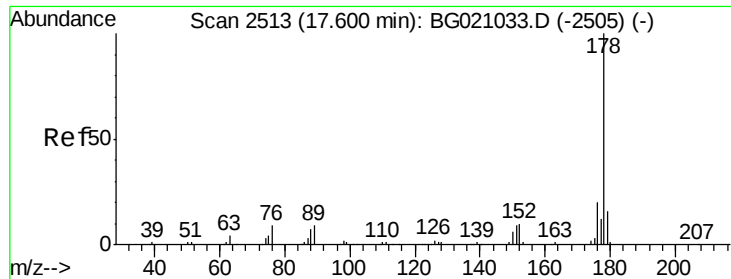
Acq: 24 Feb 2016 3:15

Tgt Ion:	188	Resp:	27120
Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.4
80	10.8	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 22.33 ng

RT: 17.59 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Instrument :

BNA_G

ClientSampleId :

P-01

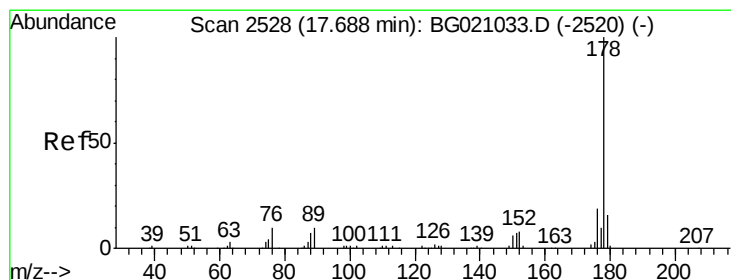
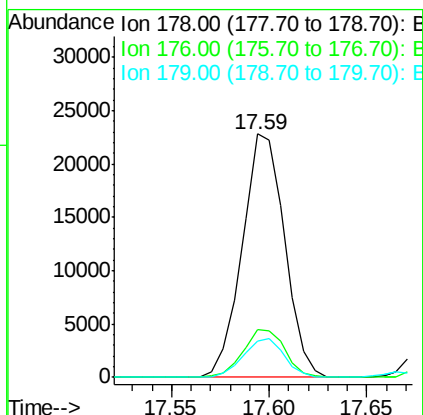
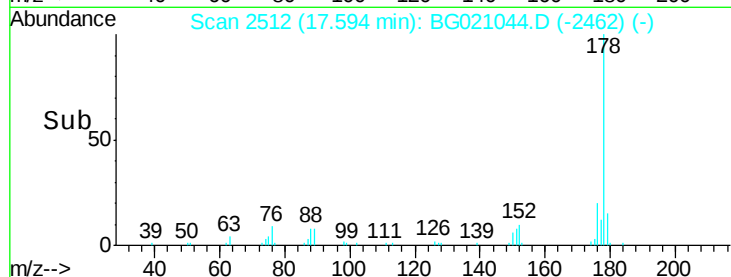
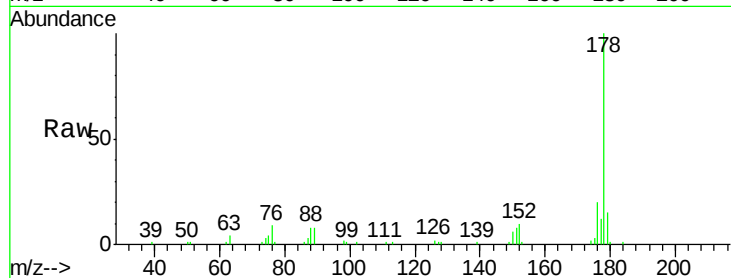
Tgt Ion:178 Resp: 34260

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

179 14.9 12.9 19.3



#71

Anthracene

Concen: 7.09 ng

RT: 17.69 min Scan# 2528

Delta R.T. -0.00 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

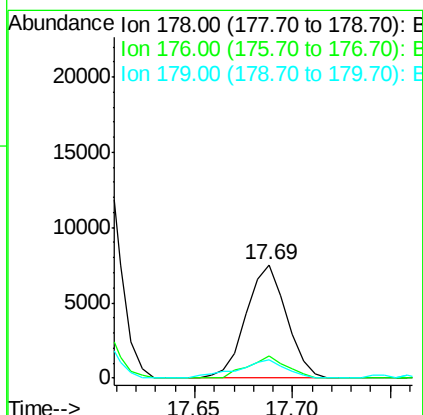
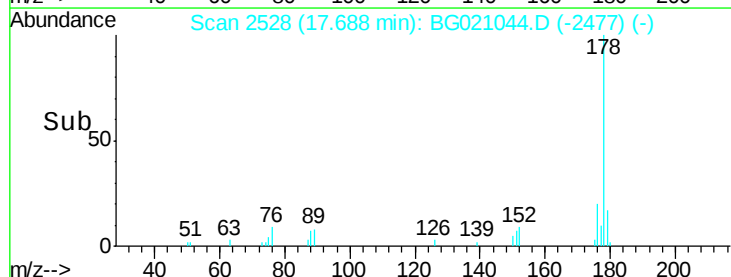
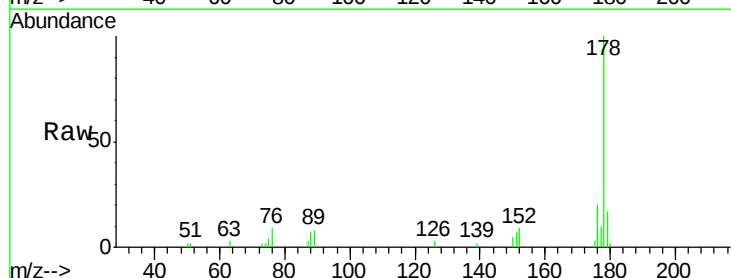
Tgt Ion:178 Resp: 10831

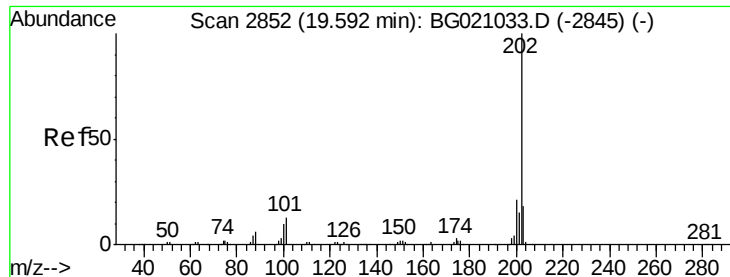
Ion Ratio Lower Upper

178 100

176 19.6 14.8 22.2

179 16.5 12.6 19.0





#74

Fluoranthene

Concen: 34.71 ng

RT: 19.59 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Instrument :

BNA_G

ClientSampleId :

P-01

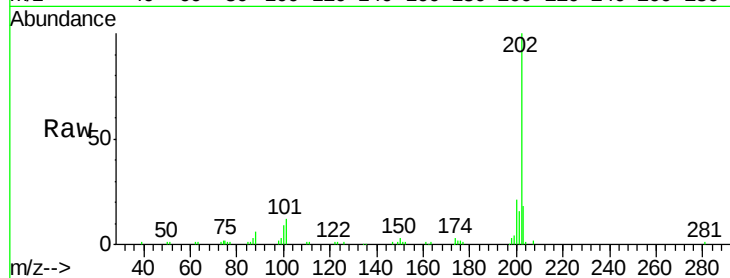
Tgt Ion:202 Resp: 53544

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.5

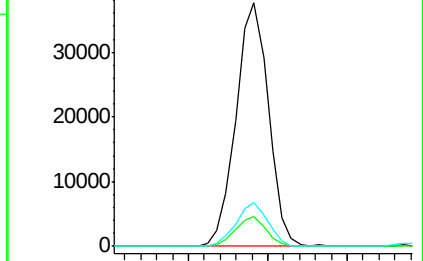
203 18.2 0.0 37.6



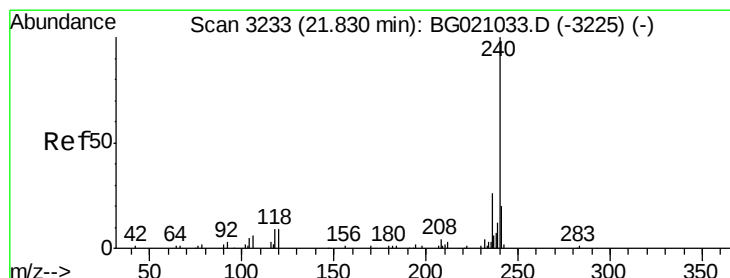
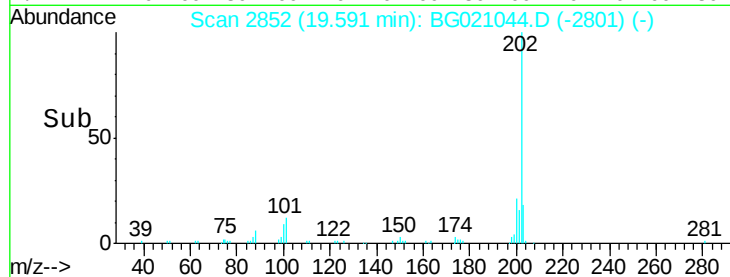
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.82 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

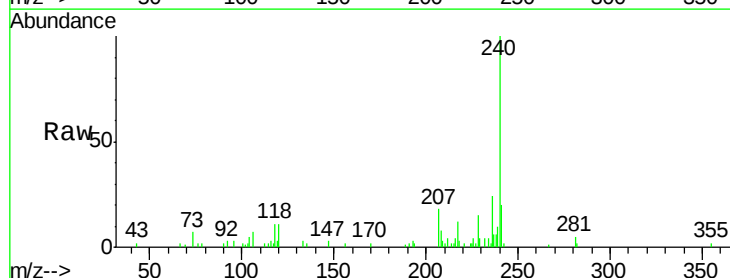
Tgt Ion:240 Resp: 17532

Ion Ratio Lower Upper

240 100

120 11.3 7.5 11.3

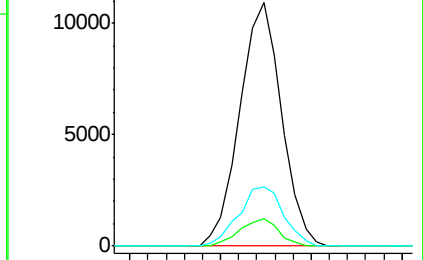
236 24.4 20.5 30.7



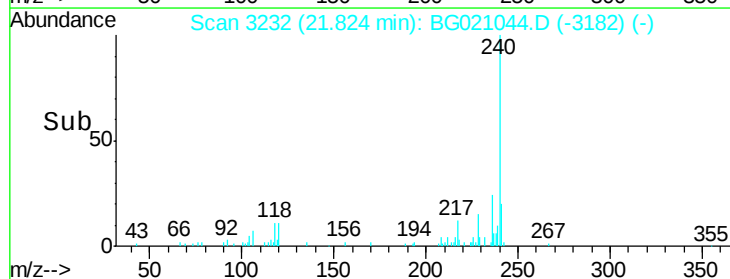
Abundance Ion 240.00 (239.70 to 240.70): E

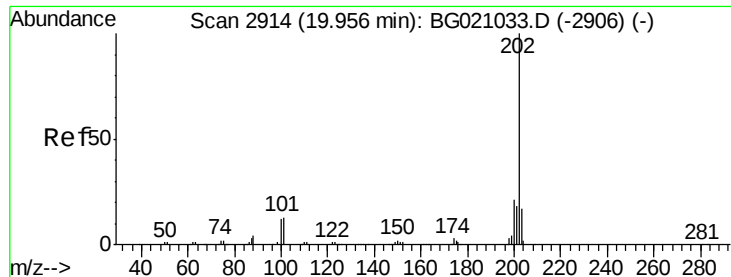
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

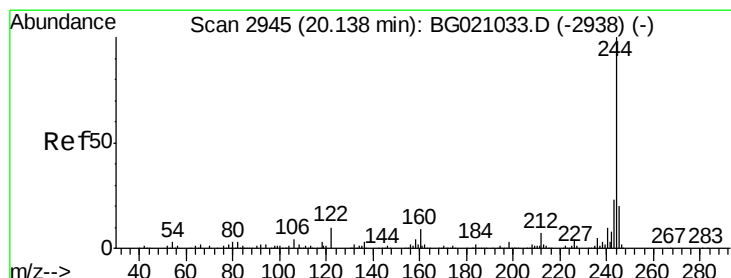
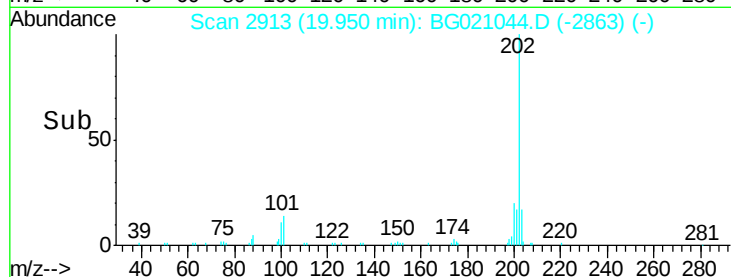
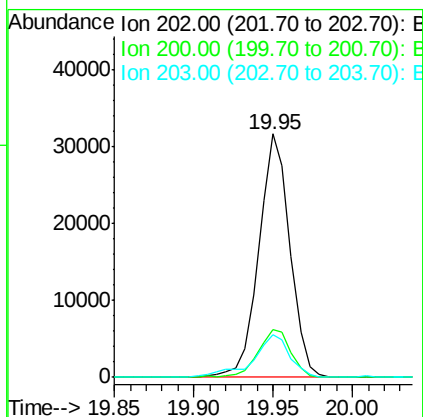
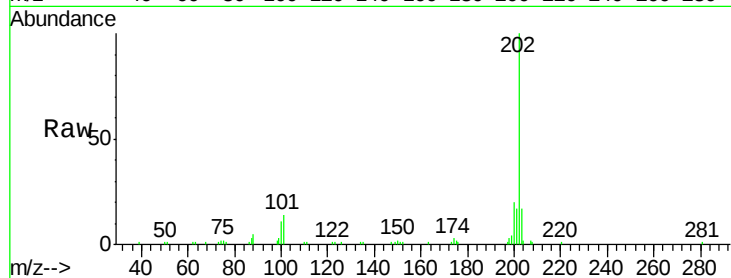




#77
Pyrene
Concen: 21.54 ng
RT: 19.95 min Scan# 2913
Delta R.T. -0.01 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

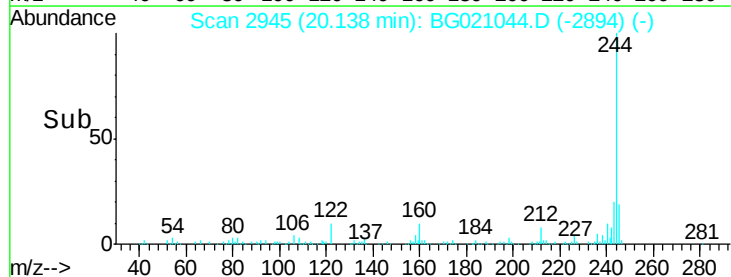
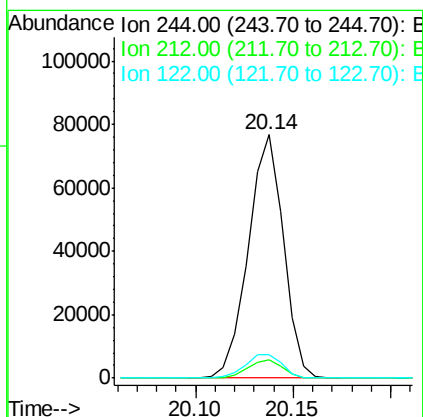
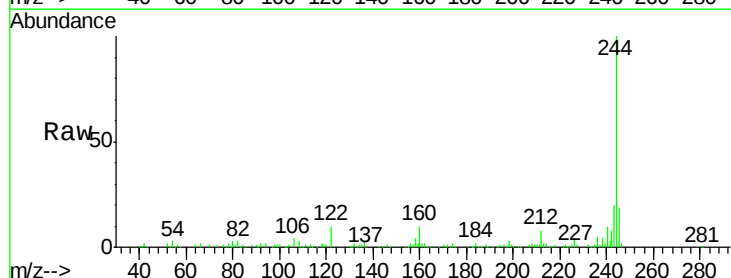
Instrument :
BNA_G
ClientSampleId :
P-01

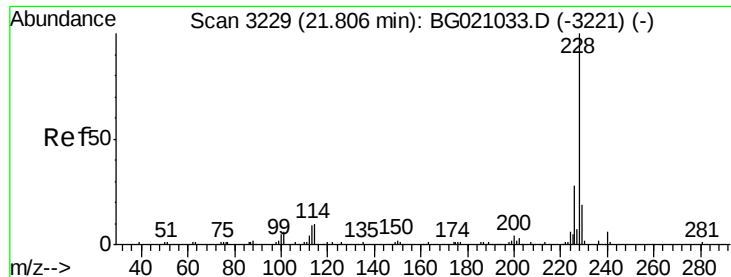
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.6	25.0
203	17.4	13.8	20.8



#78
Terphenyl-d14
Concen: 70.57 ng
RT: 20.14 min Scan# 2945
Delta R.T. -0.00 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	9.9	8.3	12.5





#80

Benzo(a)anthracene

Concen: 16.42 ng

RT: 21.80 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

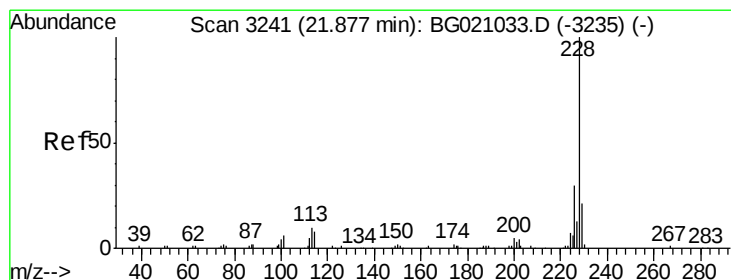
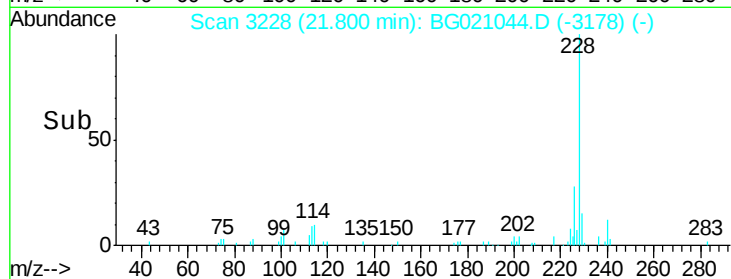
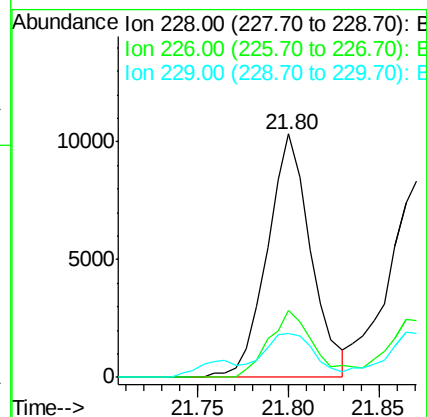
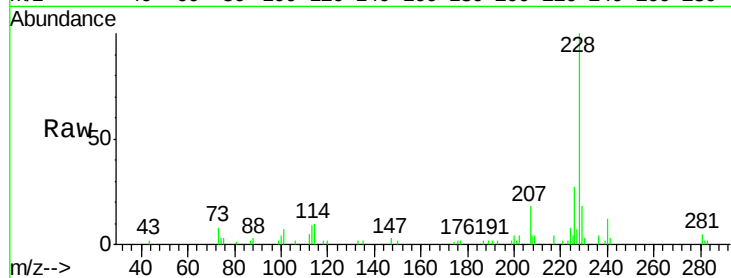
Instrument :

BNA_G

ClientSampled :

P-01

Tgt Ion:	228	Resp:	17257
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.7	34.1
229	18.1	15.5	23.3



#82

Chrysene

Concen: 15.12 ng

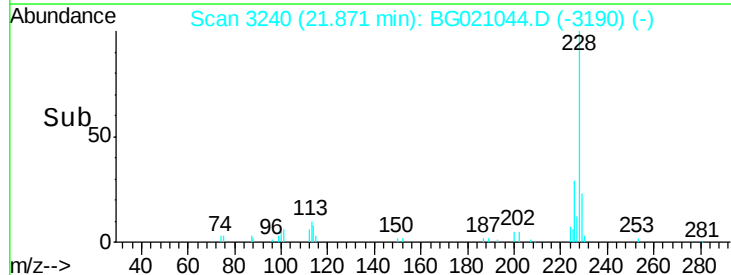
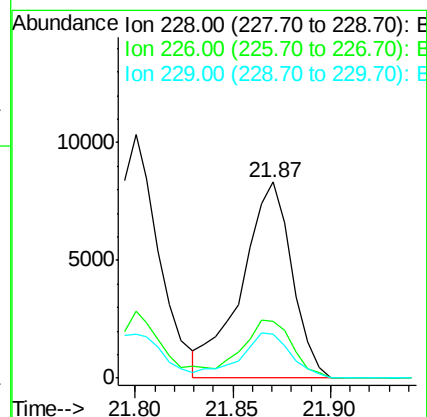
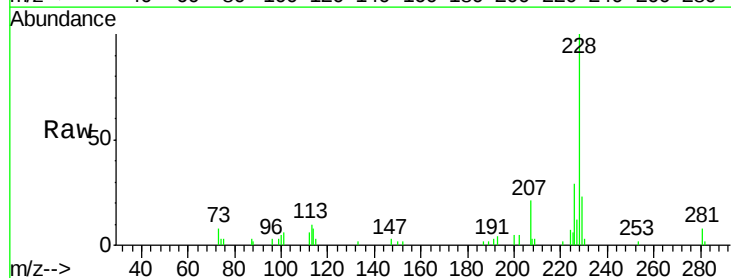
RT: 21.87 min Scan# 3240

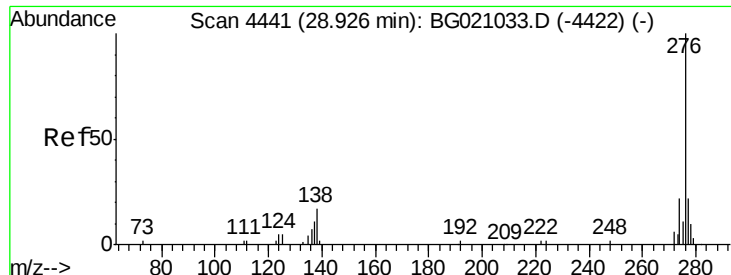
Delta R.T. -0.01 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Tgt Ion:	228	Resp:	14830
Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.7	35.5
229	22.6	16.7	25.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.69 ng

RT: 28.90 min Scan# 4437

Delta R.T. -0.02 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Instrument :

BNA_G

ClientSampleId :

P-01

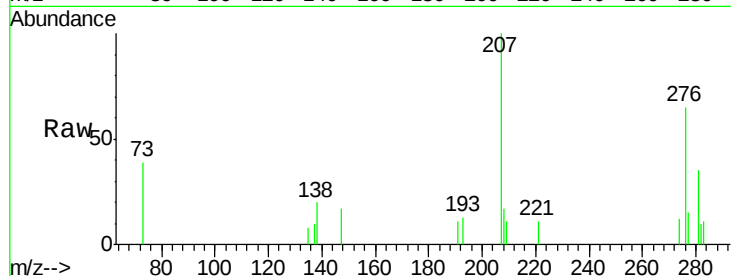
Tgt Ion: 276 Resp: 5020

Ion Ratio Lower Upper

276 100

138 12.3 0.0 0.0#

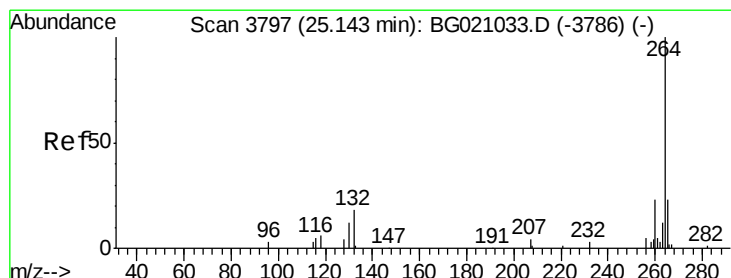
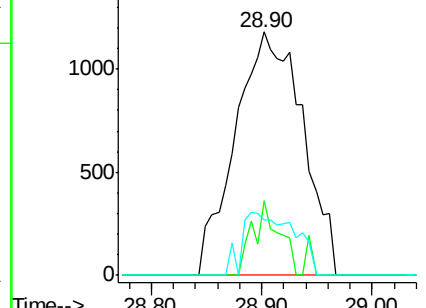
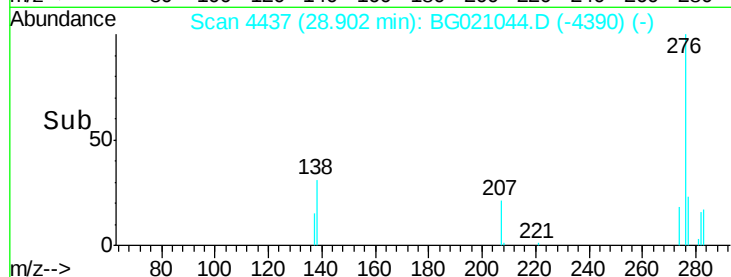
277 20.2 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.14 min Scan# 3796

Delta R.T. -0.01 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

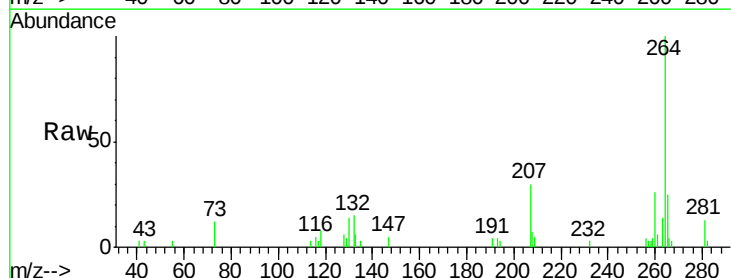
Tgt Ion: 264 Resp: 15962

Ion Ratio Lower Upper

264 100

260 26.1 18.5 27.7

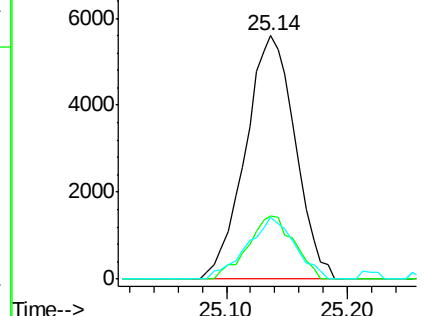
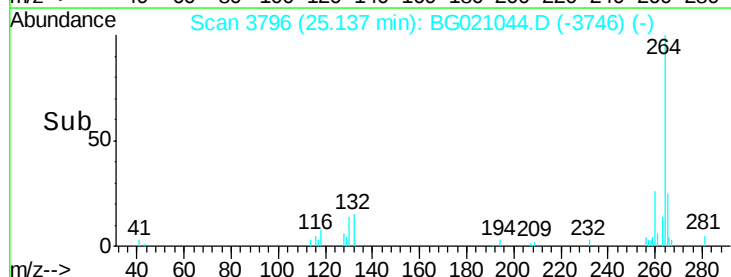
265 25.2 18.6 28.0

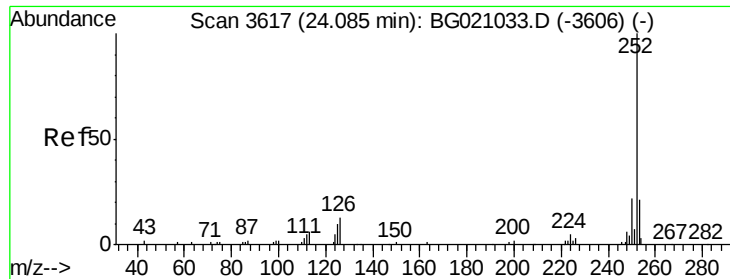


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

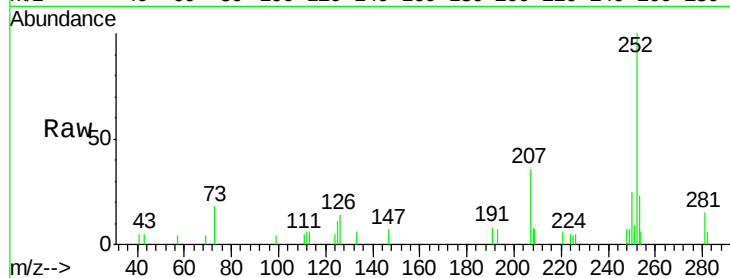




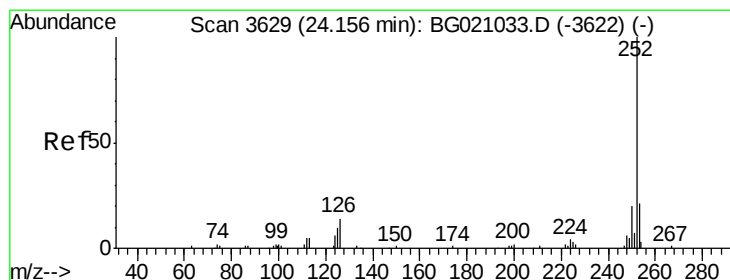
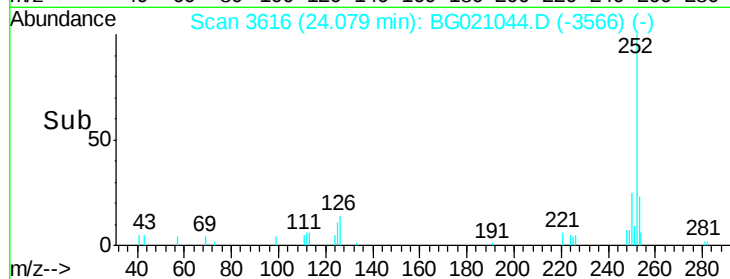
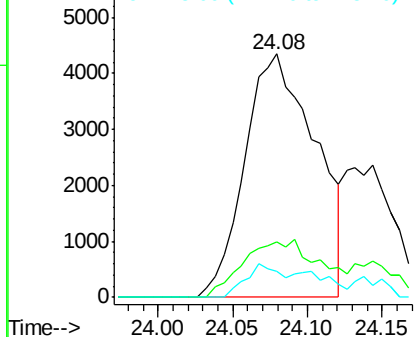
#87
Benzo(b)fluoranthene
Concen: 13.61 ng
RT: 24.08 min Scan# 3616
Delta R.T. -0.01 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Instrument :
BNA_G
ClientSampleId :
P-01

Tgt Ion: 252 Resp: 14326
Ion Ratio Lower Upper
252 100
253 23.0 16.8 25.2
125 10.7 8.2 12.2

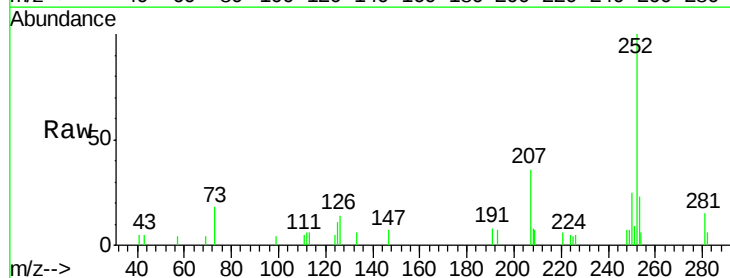


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

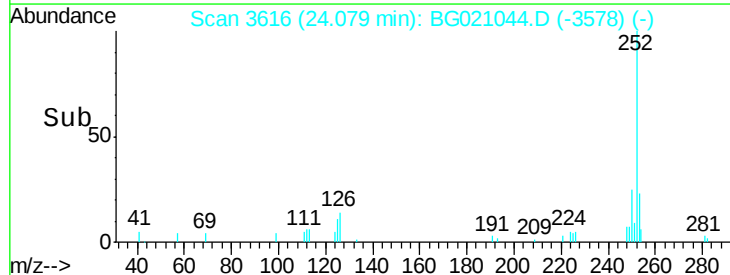
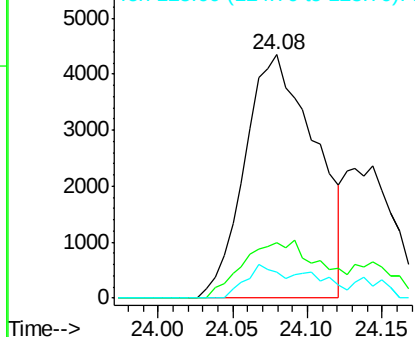


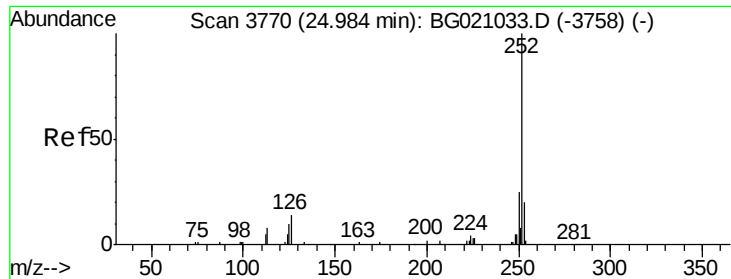
#88
Benzo(k)fluoranthene
Concen: 14.43 ng
RT: 24.08 min Scan# 3616
Delta R.T. -0.08 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Tgt Ion: 252 Resp: 14326
Ion Ratio Lower Upper
252 100
253 23.0 16.4 24.6
125 10.7 8.2 12.2



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





#89

Benzo(a)pyrene

Concen: 9.14 ng

RT: 24.98 min Scan# 3769

Delta R.T. -0.01 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Instrument :

BNA_G

ClientSampleId :

P-01

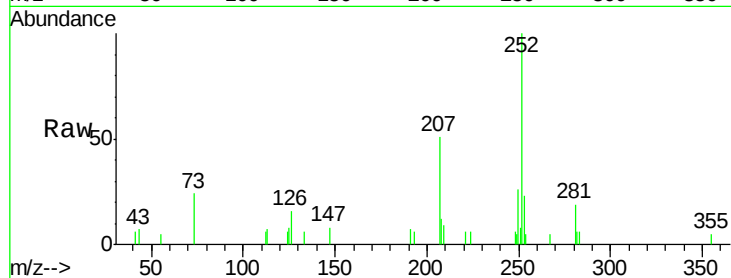
Tgt Ion:252 Resp: 8620

Ion Ratio Lower Upper

252 100

253 23.1 15.8 23.8

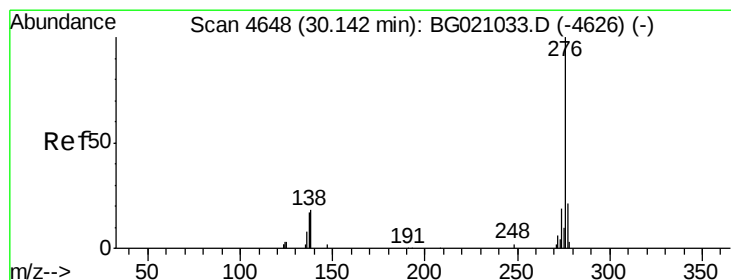
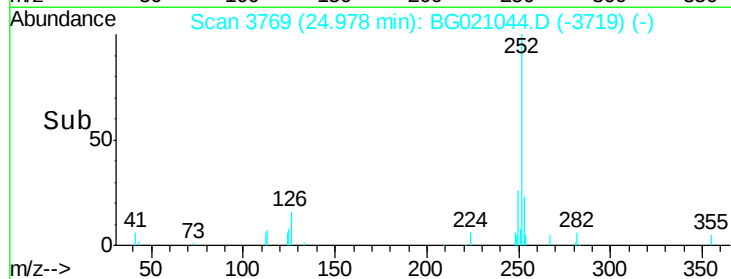
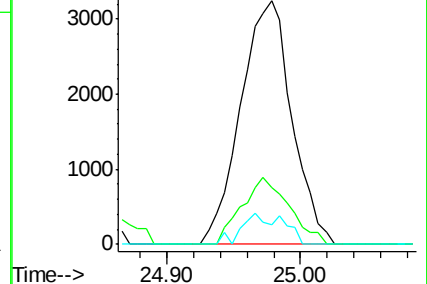
125 8.1 8.4 12.6#



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



#91

Benzo(g,h,i)perylene

Concen: 5.57 ng

RT: 30.09 min Scan# 4639

Delta R.T. -0.05 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

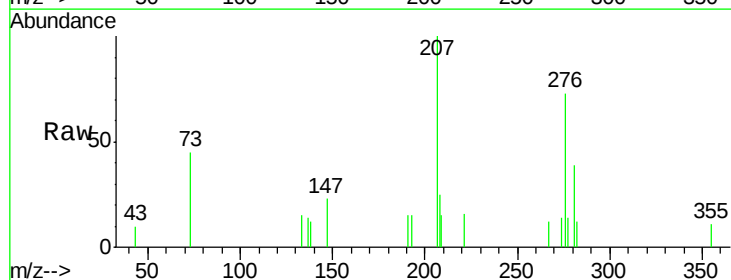
Tgt Ion:276 Resp: 4723

Ion Ratio Lower Upper

276 100

277 18.9 16.6 25.0

138 15.8 14.6 21.8



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

