

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071616\
 Data File : BG023144.D
 Acq On : 16 Jul 2016 12:59
 Operator : UM/SJ
 Sample : H4018-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F9-B4(0-12)C

Quant Time: Jul 18 01:19:33 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

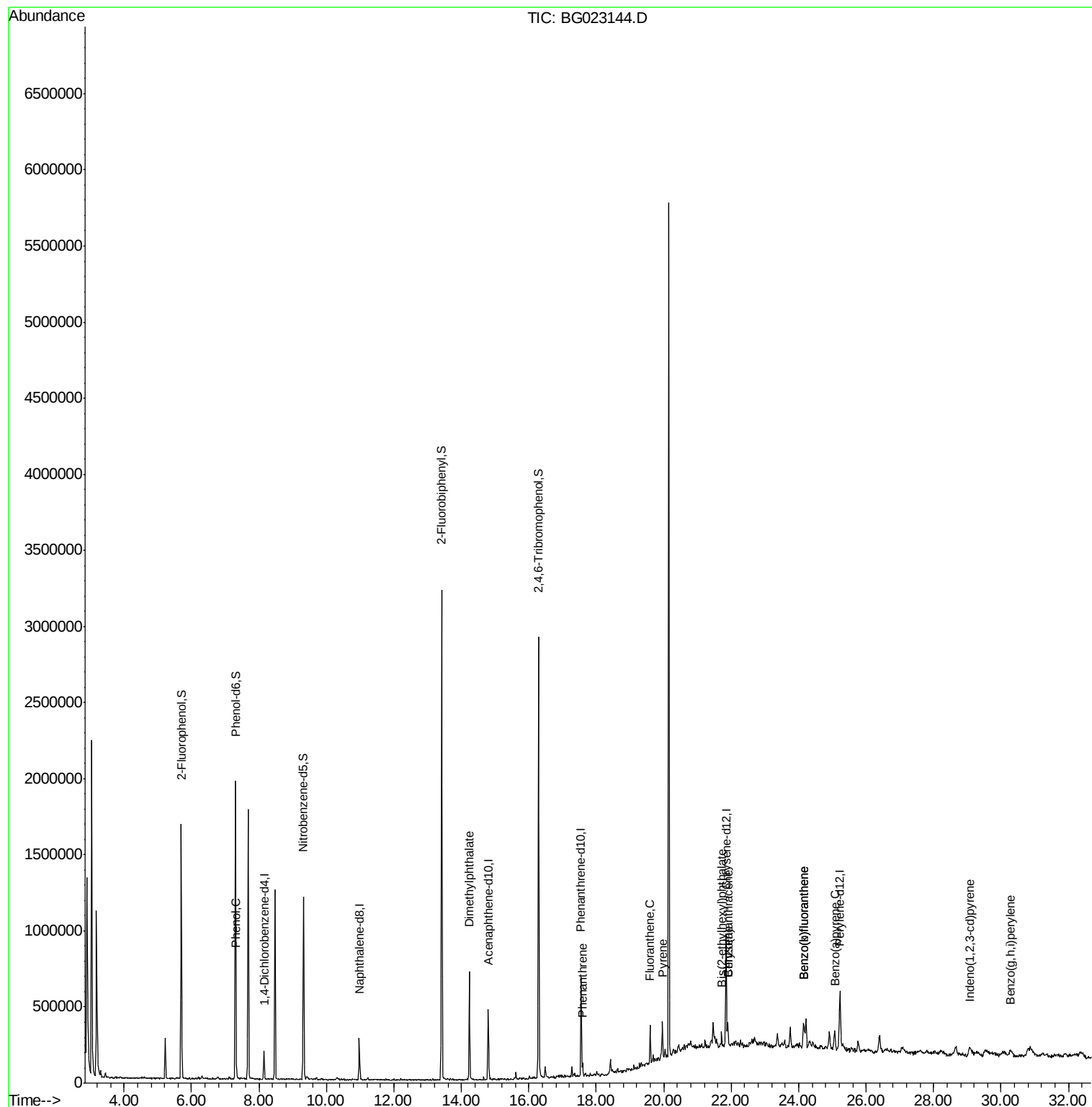
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	45740	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	221439	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	158063	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	384044	20.00	ng	0.00
75) Chrysene-d12	21.85	240	416147	20.00	ng	0.00
86) Perylene-d12	25.23	264	420004	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	664908	237.75	ng	0.00
7) Phenol-d6	7.30	99	1078640	246.25	ng	0.00
23) Nitrobenzene-d5	9.32	82	792592	153.26	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	527747	185.78	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1565381	155.99	ng	0.00
78) Terphenyl-d14	20.15	244	2173390	-20.00	ng	0.00
Target Compounds						
10) Phenol	7.33	94	15513	3.44	ng	Qvalue # 41
49) Dimethylphthalate	14.24	163	436929	33.84	ng	99
70) Phenanthrene	17.59	178	49644	2.64	ng	# 94
74) Fluoranthene	19.60	202	154734	6.70	ng	95
77) Pyrene	19.96	202	152219	6.51	ng	95
80) Benzo(a)anthracene	21.90	228	127660	5.48	ng	95
82) Chrysene	21.90	228	127660	5.85	ng	96
83) Bis(2-ethylhexyl)phthalate	21.71	149	40300	3.13	ng	# 95
85) Indeno(1,2,3-cd)pyrene	29.07	276	100524	3.61	ng	# 100
87) Benzo(b)fluoranthene	24.15	252	226184	9.33	ng	# 95
88) Benzo(k)fluoranthene	24.15	252	226184	9.84	ng	# 95
89) Benzo(a)pyrene	25.06	252	148525	6.39	ng	# 98
91) Benzo(g,h,i)perylene	30.28	276	91569	3.97	ng	# 93

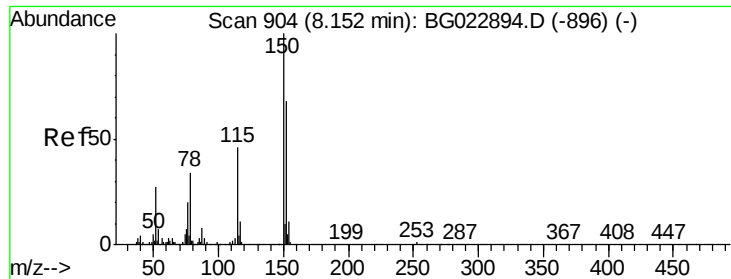
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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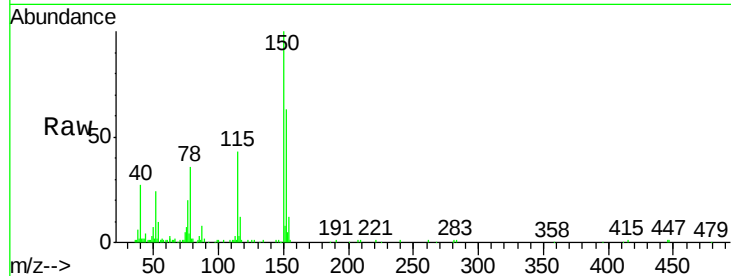


#1

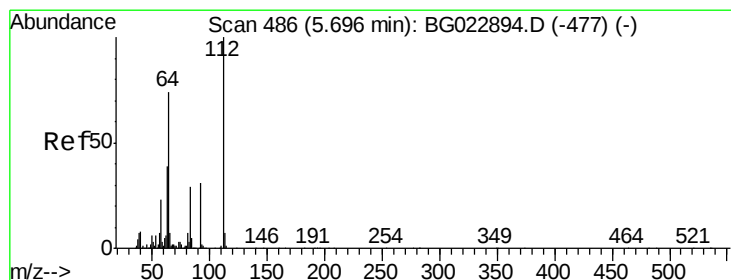
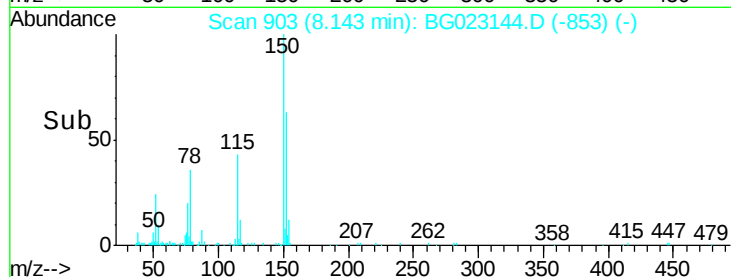
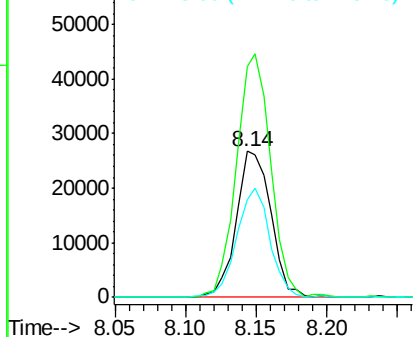
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 903
Delta R.T. -0.01 min
Lab File: BG023144.D
Acq: 16 Jul 2016 12:59

Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

Tgt Ion:152 Resp: 45740
Ion Ratio Lower Upper
152 100
150 158.1 144.7 217.1
115 67.4 64.0 96.0



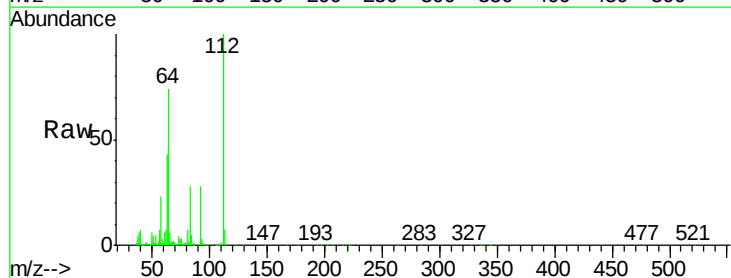
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



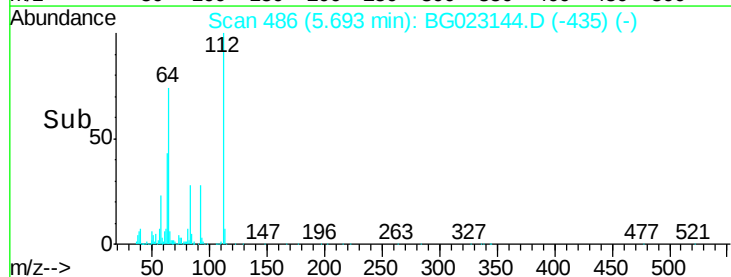
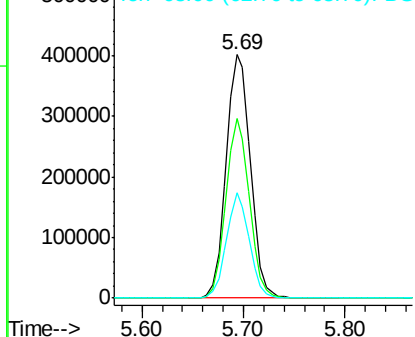
#5

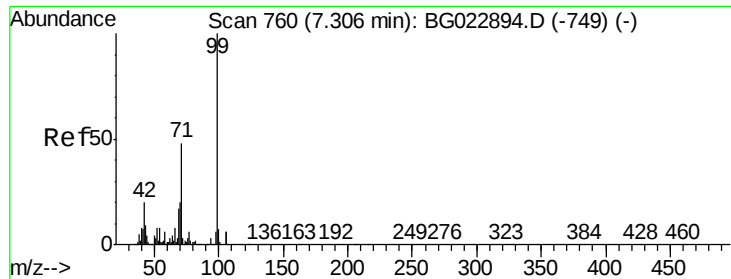
2-Fluorophenol
Concen: 237.75 ng
RT: 5.69 min Scan# 486
Delta R.T. -0.00 min
Lab File: BG023144.D
Acq: 16 Jul 2016 12:59

Tgt Ion:112 Resp: 664908
Ion Ratio Lower Upper
112 100
64 73.8 59.0 88.4
63 43.4 37.8 56.8



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: 246.25 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

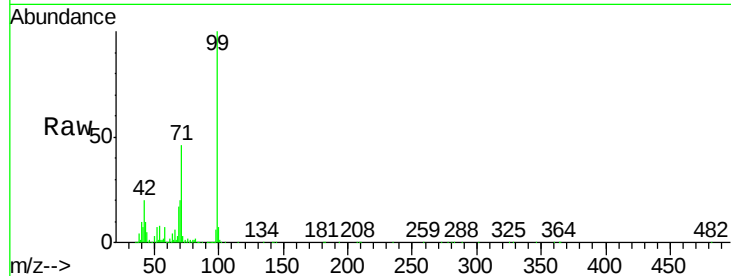
Tgt Ion: 99 Resp: 1078640

Ion Ratio Lower Upper

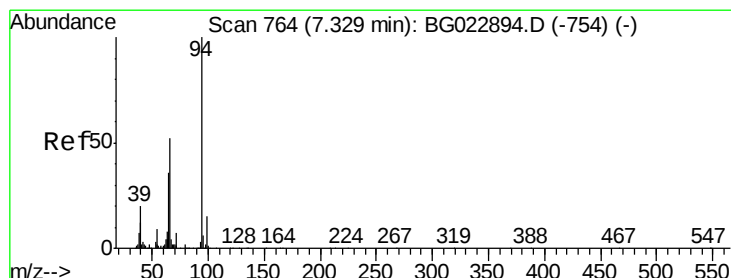
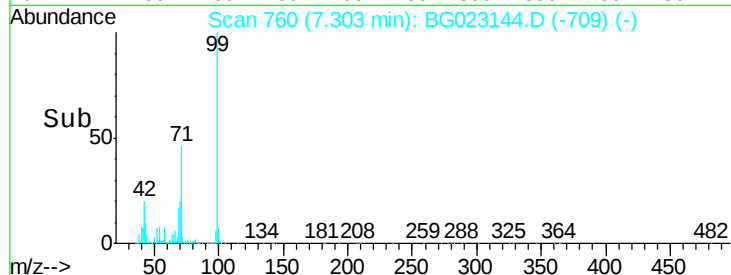
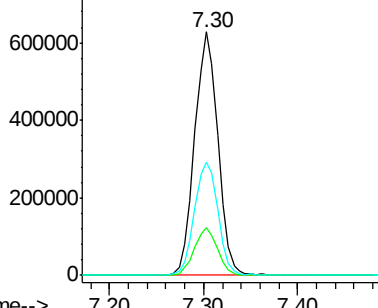
99 100

42 19.5 17.8 26.6

71 46.3 41.5 62.3



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



#10

Phenol

Concen: 3.44 ng

RT: 7.33 min Scan# 764

Delta R.T. -0.00 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

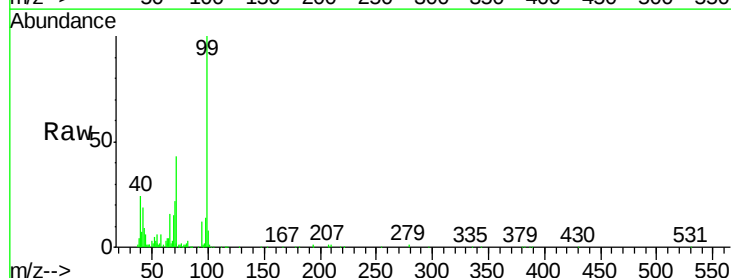
Tgt Ion: 94 Resp: 15513

Ion Ratio Lower Upper

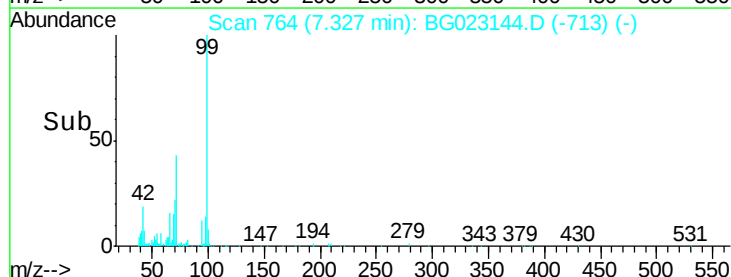
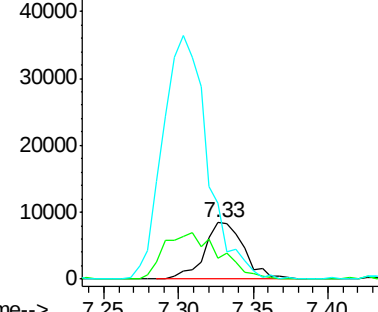
94 100

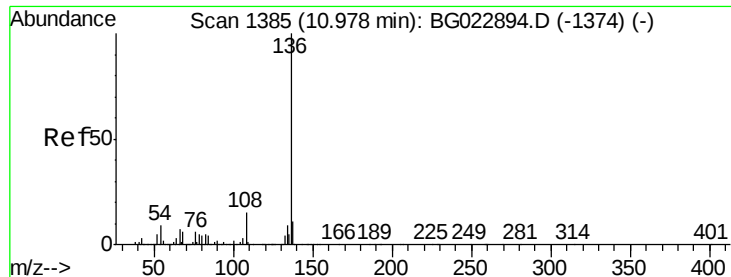
65 37.3 18.1 58.1

66 134.9 42.1 82.1#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

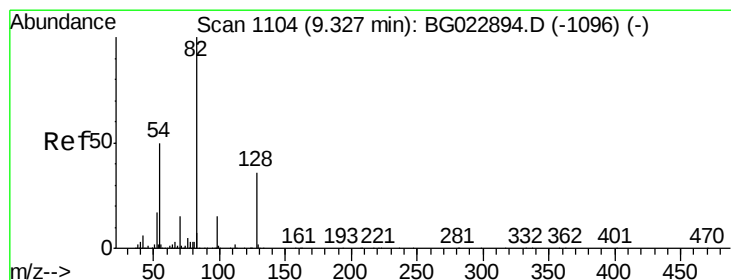
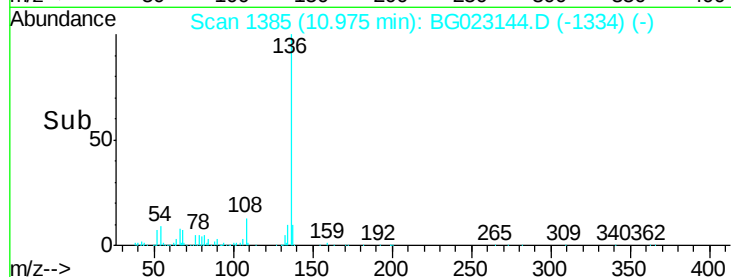
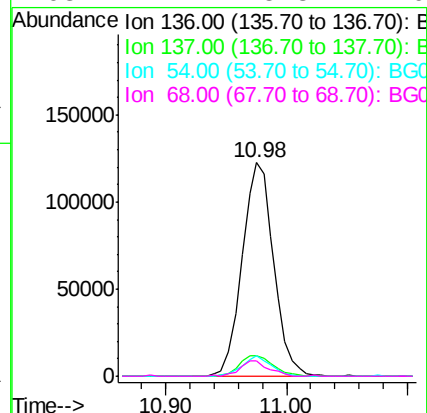
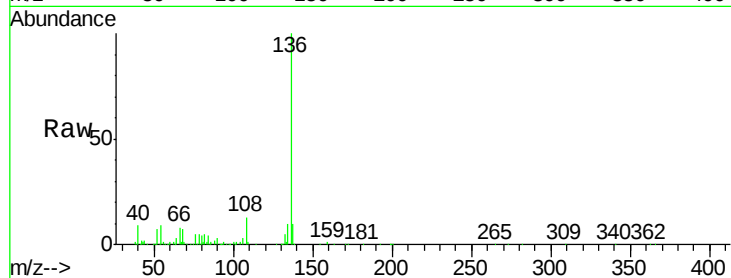




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BG023144.D
Acq: 16 Jul 2016 12:59

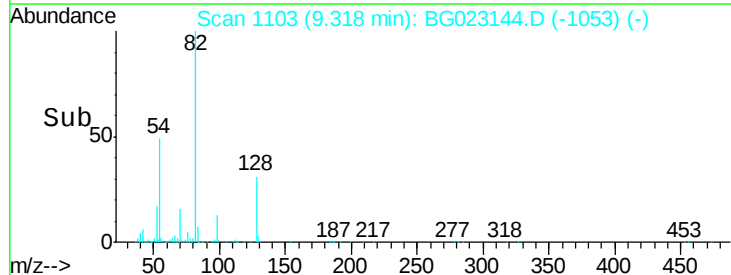
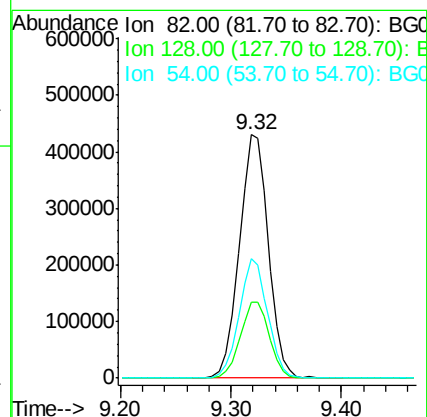
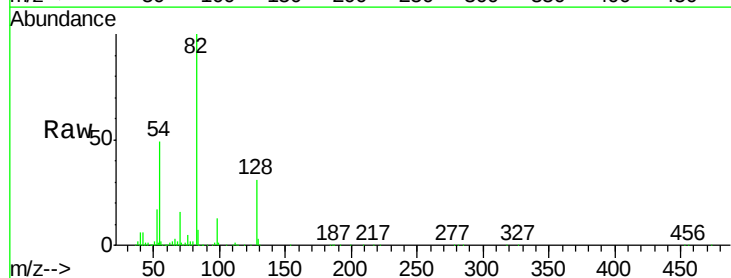
Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

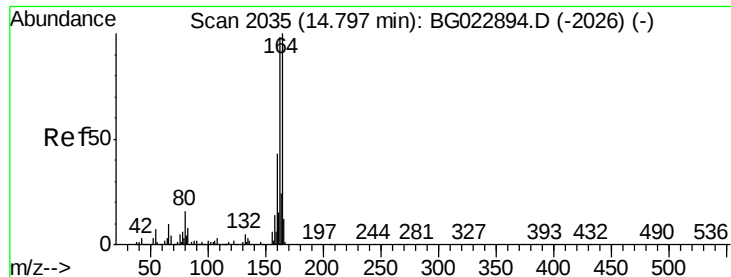
Tgt Ion:	136	Resp:	221439
Ion	Ratio	Lower	Upper
136	100		
137	9.5	9.6	14.4#
54	9.5	7.3	10.9
68	7.1	5.3	7.9



#23
Nitrobenzene-d5
Concen: 153.26 ng
RT: 9.32 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BG023144.D
Acq: 16 Jul 2016 12:59

Tgt Ion:	82	Resp:	792592
Ion	Ratio	Lower	Upper
82	100		
128	31.3	24.4	36.6
54	49.1	41.4	62.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

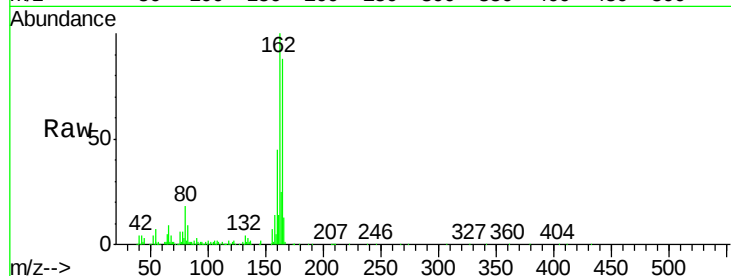
Tgt Ion:164 Resp: 158063

Ion Ratio Lower Upper

164 100

162 114.2 87.7 131.5

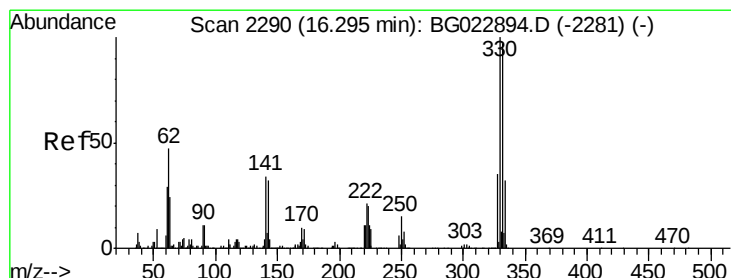
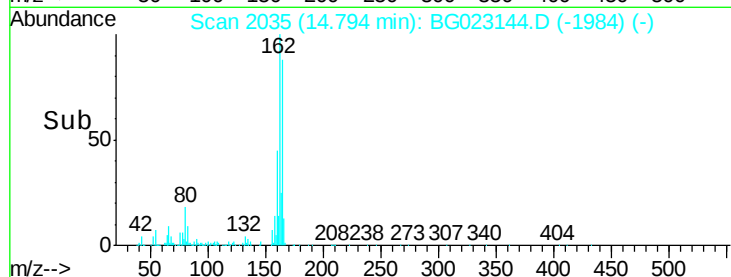
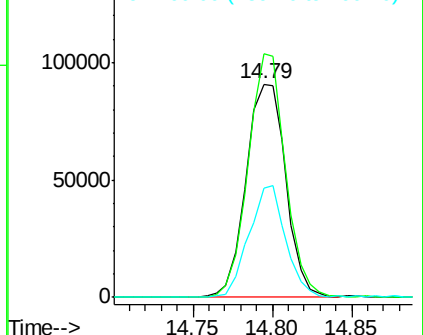
160 51.2 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 185.78 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

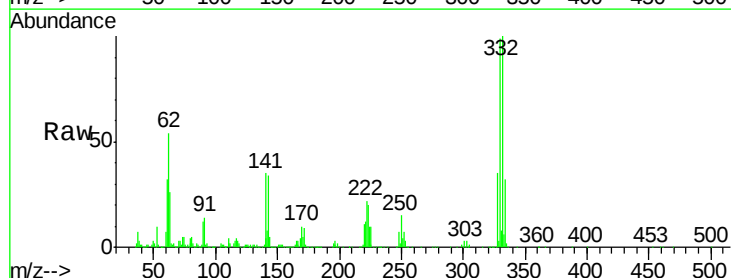
Tgt Ion:330 Resp: 527747

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.2

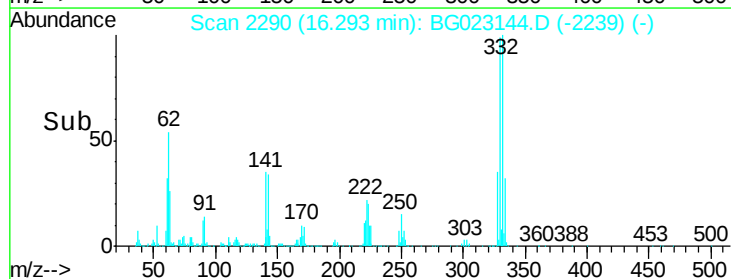
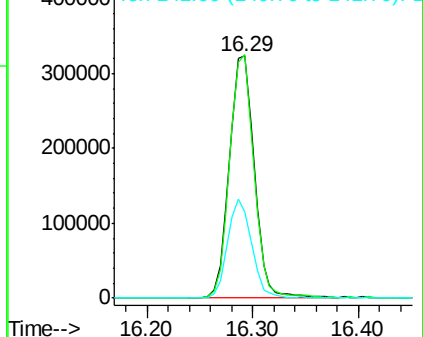
141 39.0 31.7 47.5

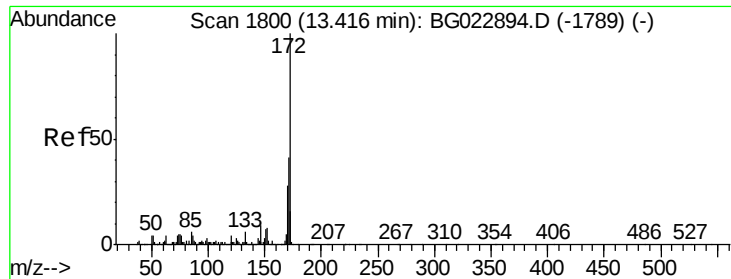


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

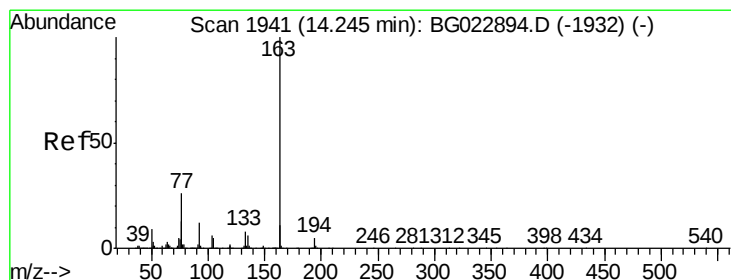
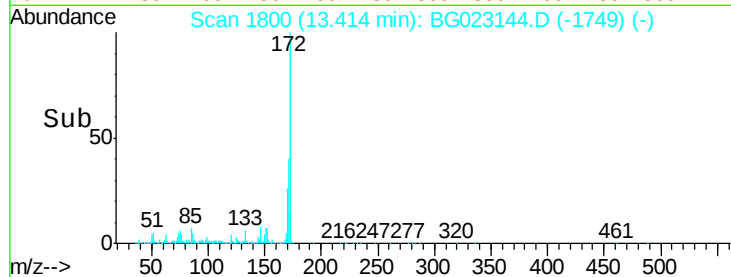
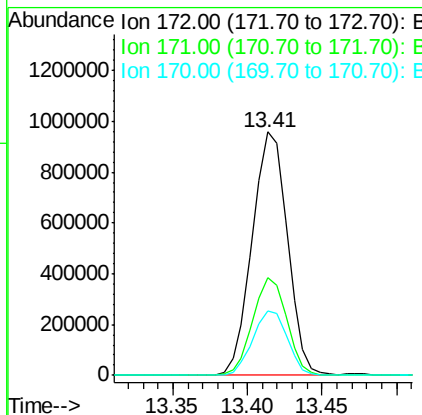
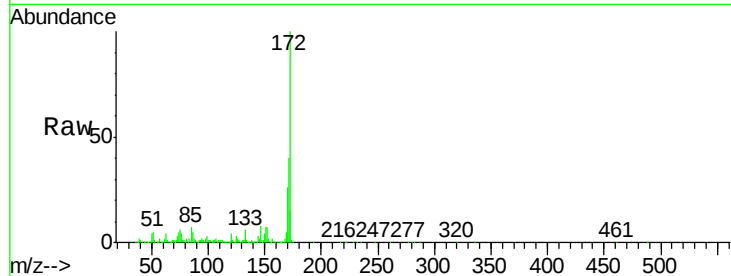




#44
2-Fluorobiphenyl
Concen: 155.99 ng
RT: 13.41 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BG023144.D
Acq: 16 Jul 2016 12:59

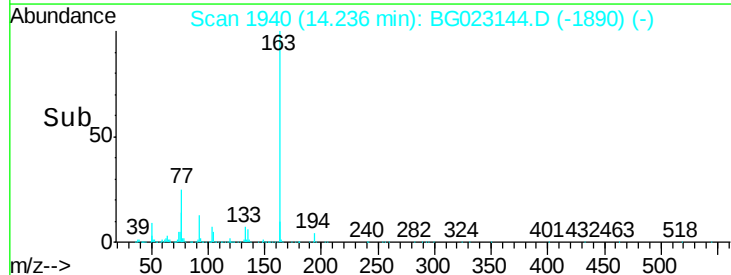
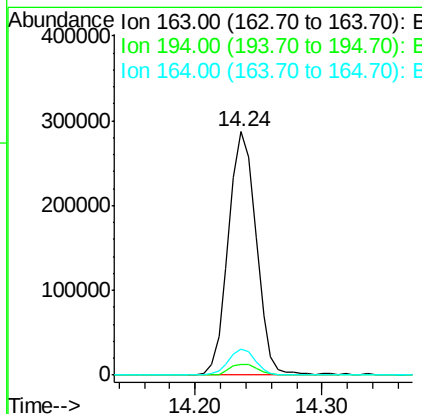
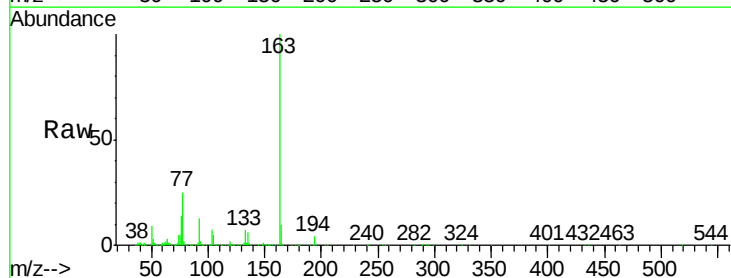
Instrument :
BNA_G
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F9-B4(0-12)C

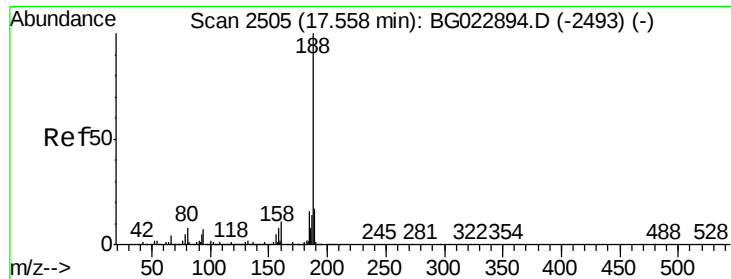
Tgt Ion:172 Resp: 1565381
Ion Ratio Lower Upper
172 100
171 40.2 31.6 47.4
170 26.3 21.3 31.9



#49
Dimethylphthalate
Concen: 33.84 ng
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG023144.D
Acq: 16 Jul 2016 12:59

Tgt Ion:163 Resp: 436929
Ion Ratio Lower Upper
163 100
194 4.4 3.6 5.4
164 10.4 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

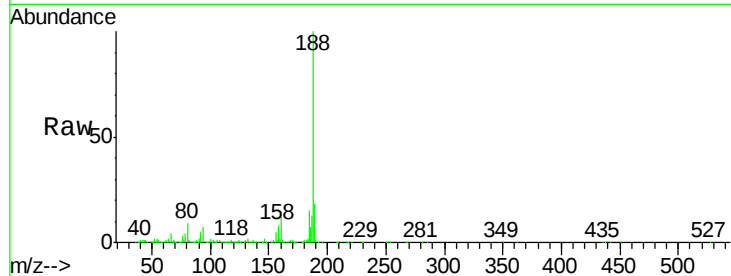
Tgt Ion:188 Resp: 384044

Ion Ratio Lower Upper

188 100

94 6.6 5.2 7.8

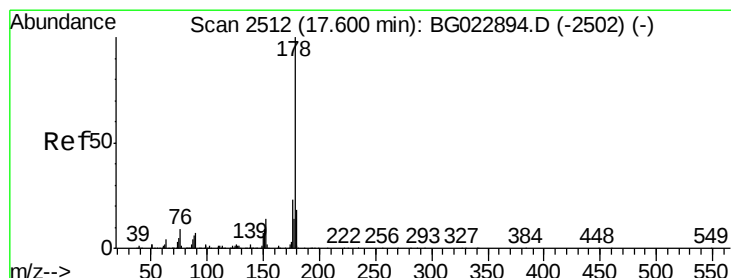
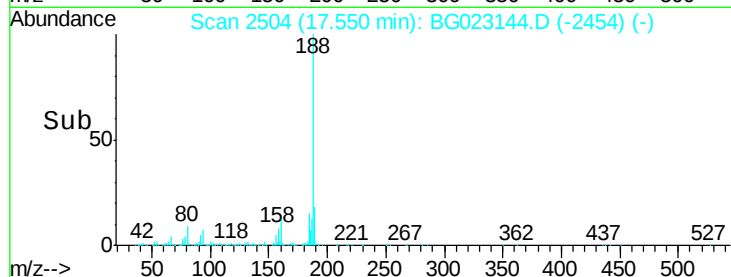
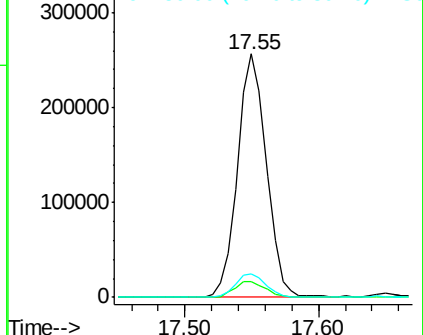
80 9.4 7.2 10.8



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: 2.64 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

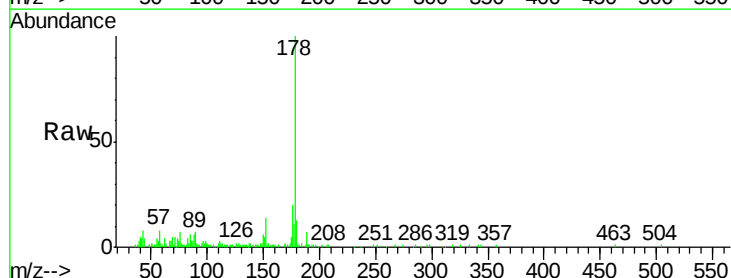
Tgt Ion:178 Resp: 49644

Ion Ratio Lower Upper

178 100

176 20.1 16.8 25.2

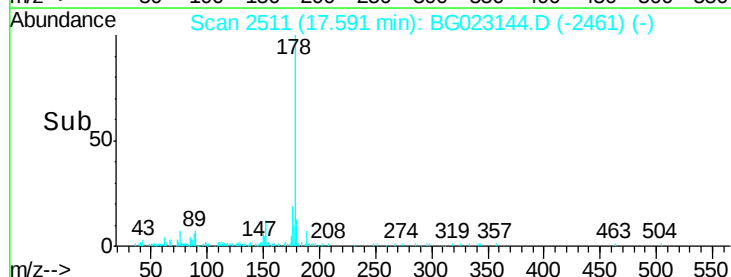
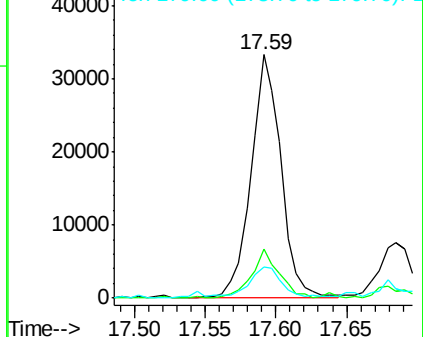
179 12.8 14.3 21.5#

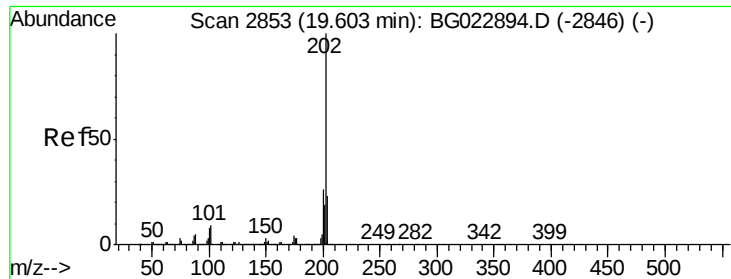


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.70 ng

RT: 19.60 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

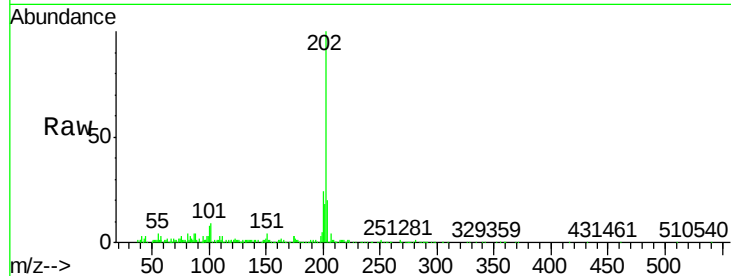
Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

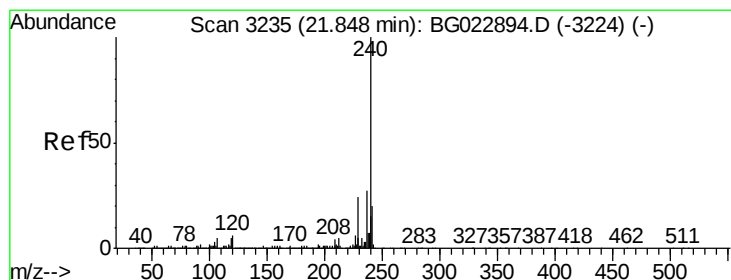
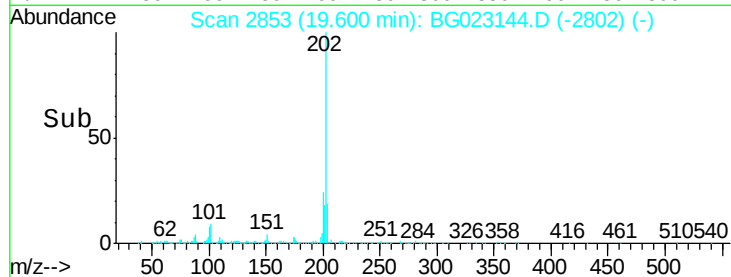
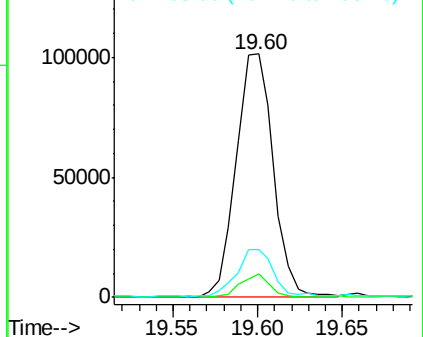
Tgt Ion:	202	Resp:	154734
Ion Ratio		Lower	Upper
202	100		
101	9.4	0.0	27.4
203	19.5	1.7	41.7



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



#75

Chrysene-d12

Concen: 20.00 ng

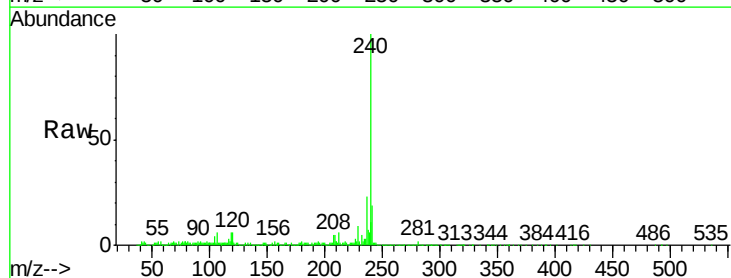
RT: 21.85 min Scan# 3236

Delta R.T. 0.00 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

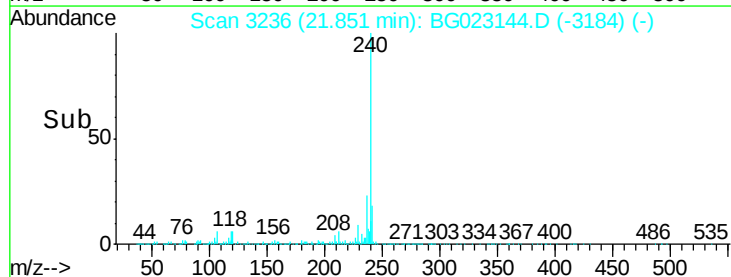
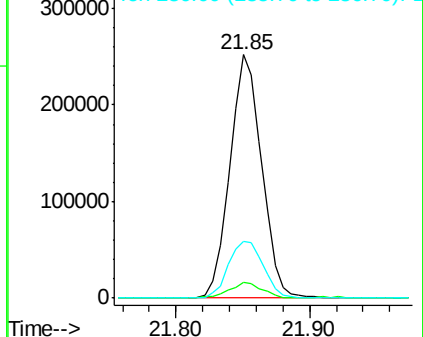
Tgt Ion:	240	Resp:	416147
Ion Ratio		Lower	Upper
240	100		
120	6.3	4.1	6.1#
236	23.3	21.1	31.7

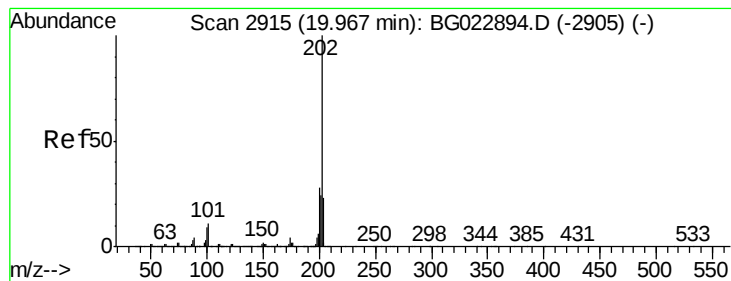


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.51 ng

RT: 19.96 min Scan# 2914

Delta R.T. -0.01 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

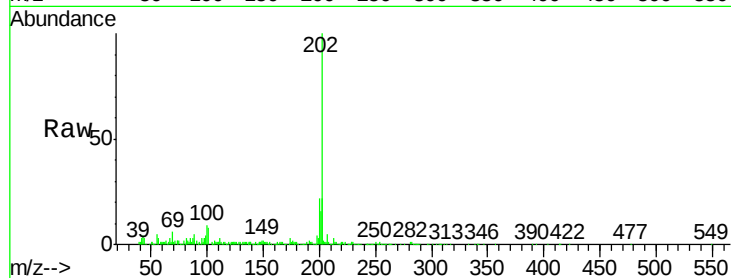
Tgt Ion:202 Resp: 152219

Ion Ratio Lower Upper

202 100

200 22.4 21.2 31.8

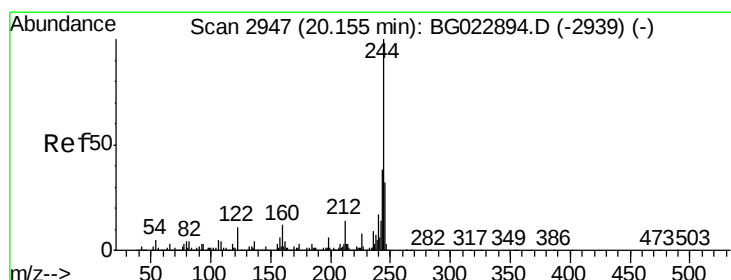
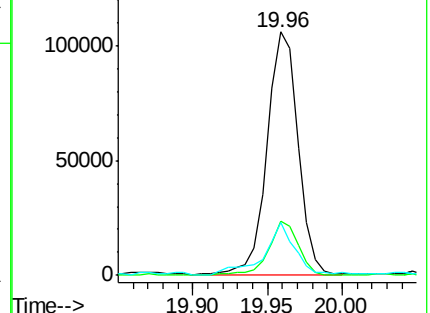
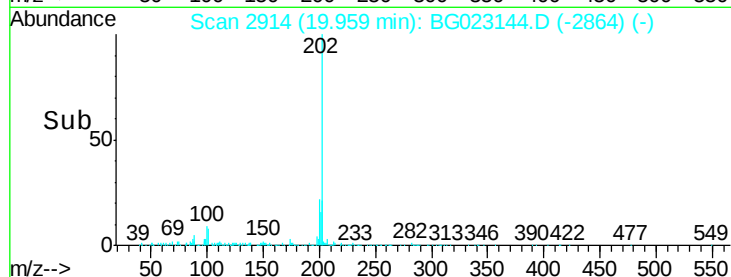
203 21.9 16.8 25.2



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



#78

Terphenyl-d14

Concen: -20.00 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

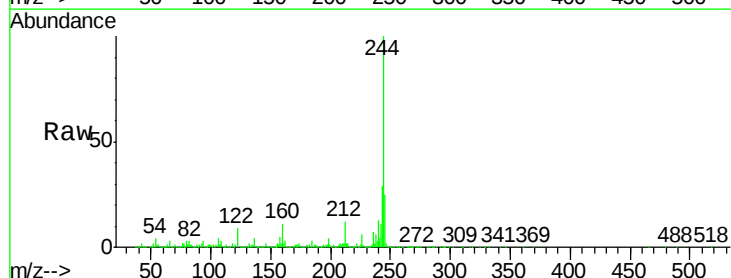
Tgt Ion:244 Resp: 2173390

Ion Ratio Lower Upper

244 100

212 11.6 10.8 16.2

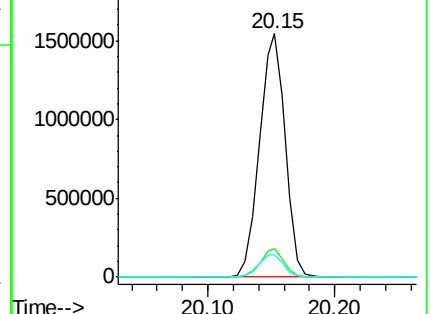
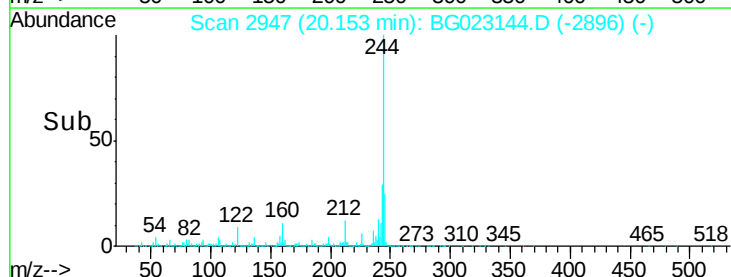
122 9.1 8.0 12.0

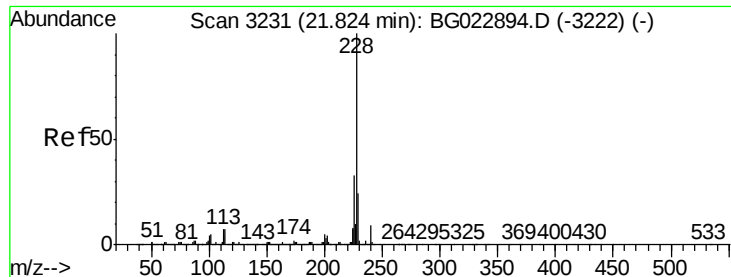


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.48 ng

RT: 21.90 min Scan# 3244

Delta R.T. 0.07 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

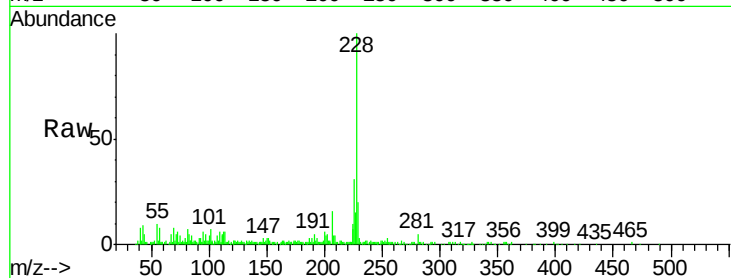
Tgt Ion:228 Resp: 127660

Ion Ratio Lower Upper

228 100

226 30.6 25.3 37.9

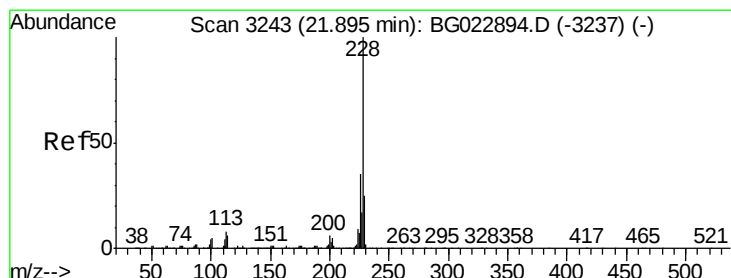
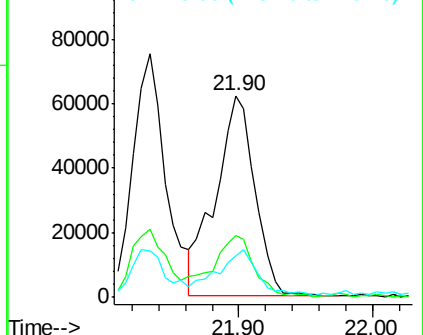
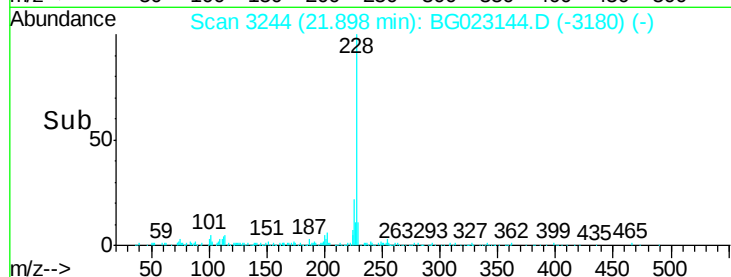
229 20.2 19.9 29.9



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



#82

Chrysene

Concen: 5.85 ng

RT: 21.90 min Scan# 3244

Delta R.T. 0.00 min

Lab File: BG023144.D

Acq: 16 Jul 2016 12:59

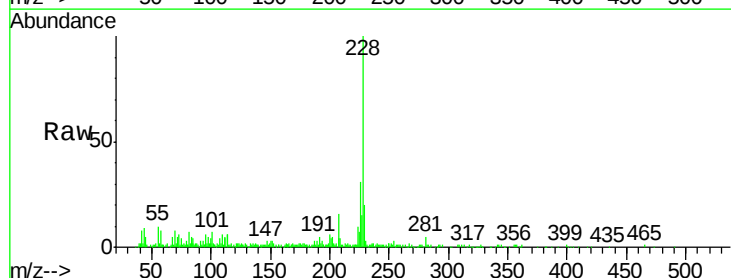
Tgt Ion:228 Resp: 127660

Ion Ratio Lower Upper

228 100

226 30.6 26.7 40.1

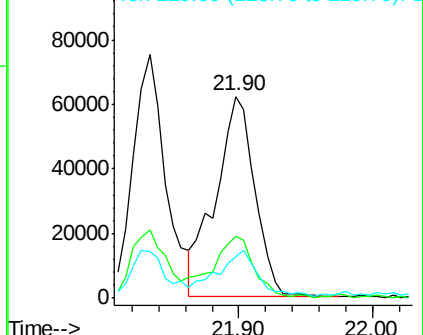
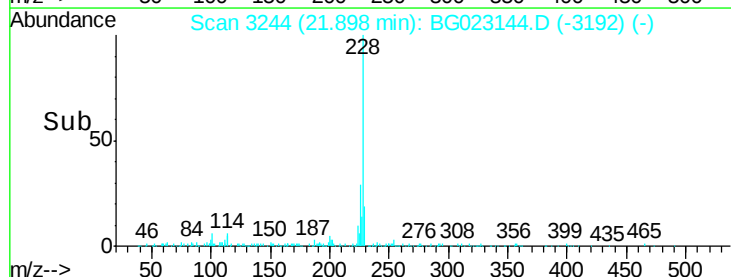
229 20.2 17.4 26.2

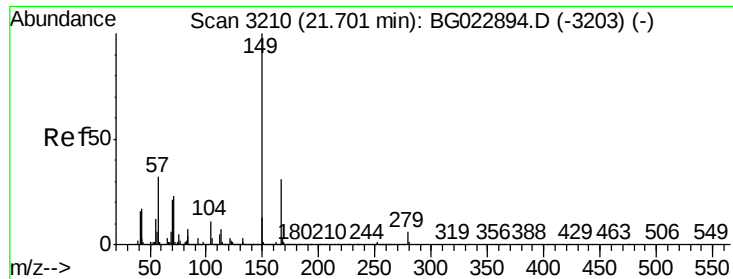


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

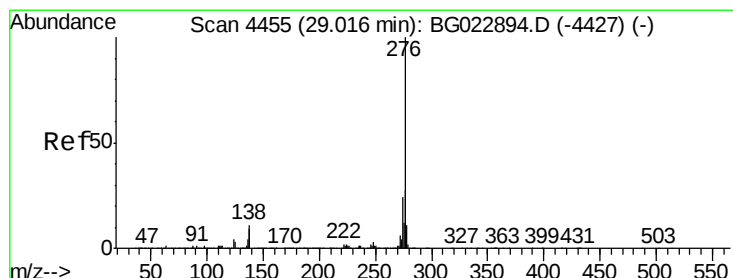
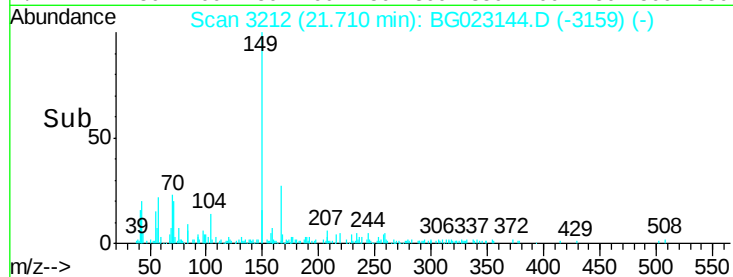
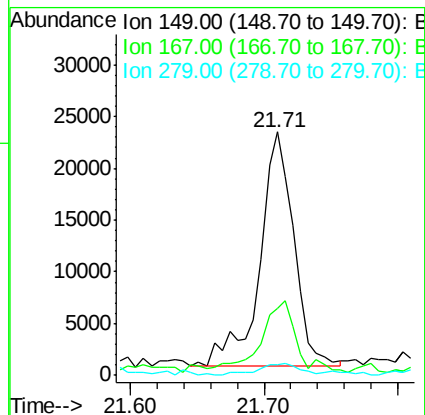
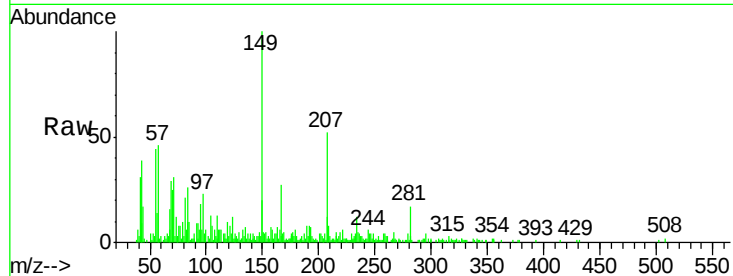




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.13 ng
 RT: 21.71 min Scan# 3212
 Delta R.T. 0.01 min
 Lab File: BG023144.D
 Acq: 16 Jul 2016 12:59

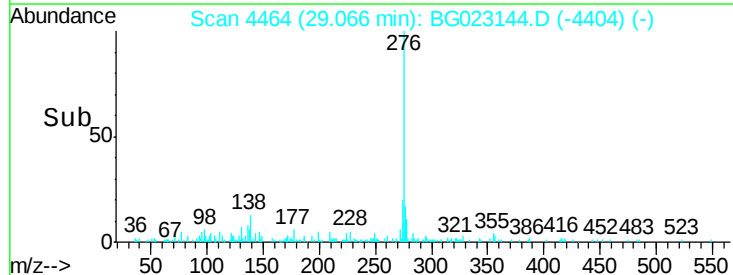
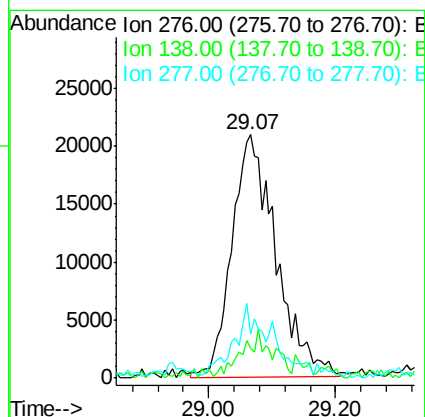
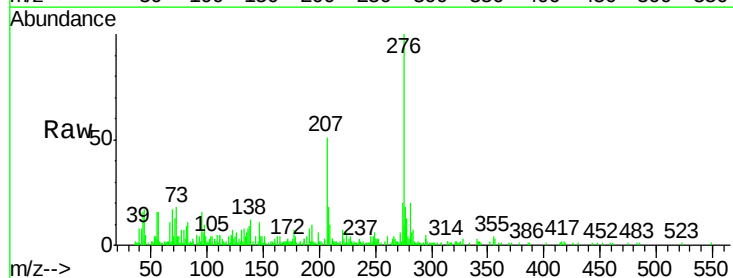
Instrument :
 BNA_G
 ClientSampleId :
 F9-B4(0-12)C

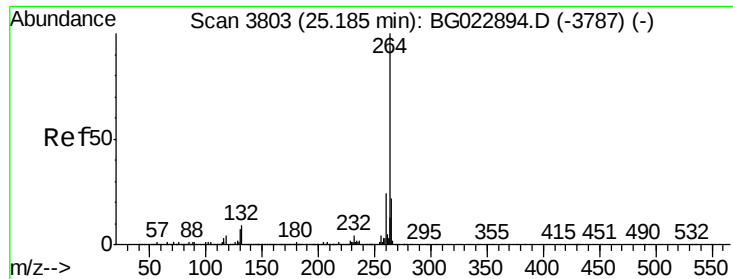
Tgt Ion:149 Resp: 40300
 Ion Ratio Lower Upper
 149 100
 167 27.3 24.0 36.0
 279 4.4 4.8 7.2#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.61 ng
 RT: 29.07 min Scan# 4464
 Delta R.T. 0.05 min
 Lab File: BG023144.D
 Acq: 16 Jul 2016 12:59

Tgt Ion:276 Resp: 100524
 Ion Ratio Lower Upper
 276 100
 138 10.3 0.0 0.0#
 277 15.9 0.0 0.0#

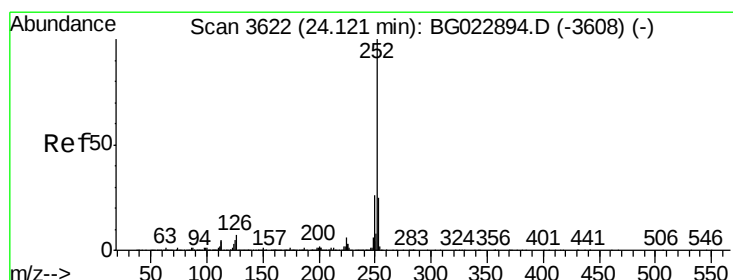
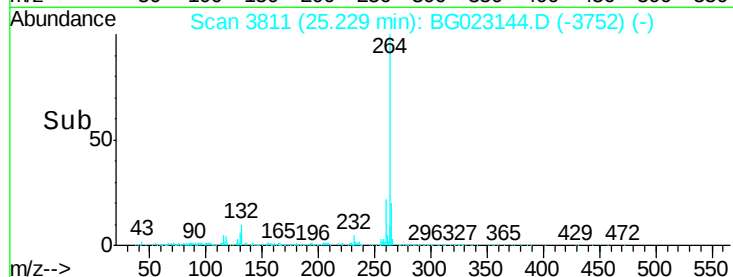
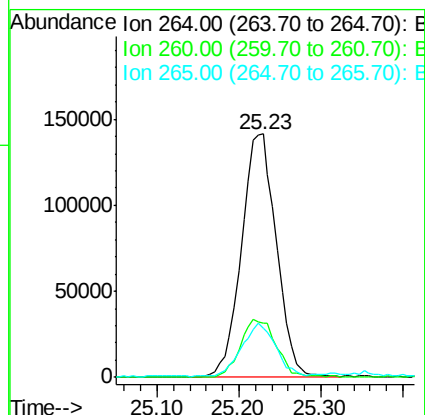
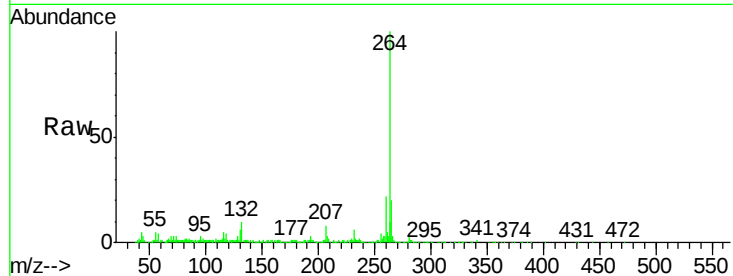




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.23 min Scan# 3811
Delta R.T. 0.04 min
Lab File: BG023144.D
Acq: 16 Jul 2016 12:59

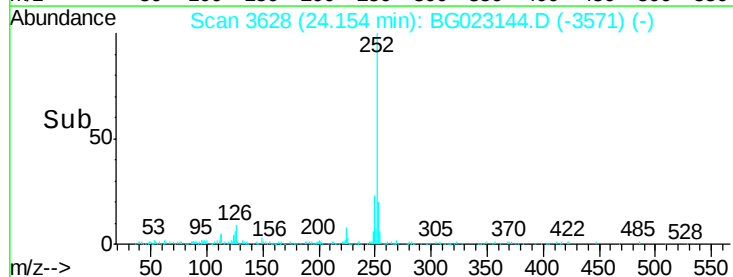
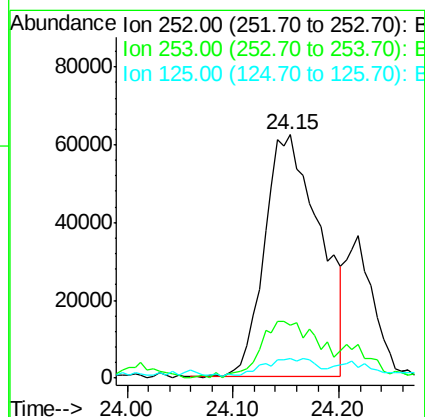
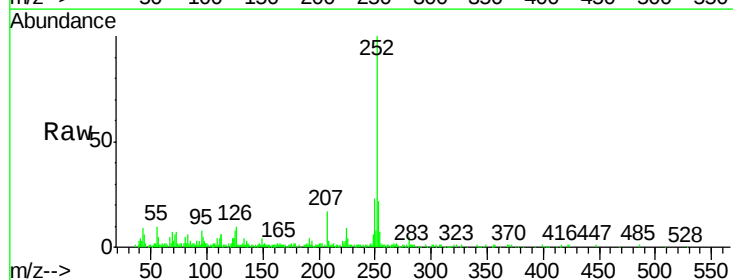
Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

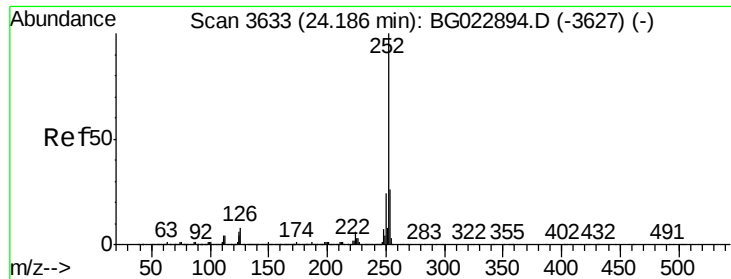
Tgt Ion:	264	Resp:	420004
Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.4	27.6
265	20.3	18.9	28.3



#87
Benzo(b)fluoranthene
Concen: 9.33 ng
RT: 24.15 min Scan# 3628
Delta R.T. 0.03 min
Lab File: BG023144.D
Acq: 16 Jul 2016 12:59

Tgt Ion:	252	Resp:	226184
Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.9	28.3
125	8.2	3.9	5.9#

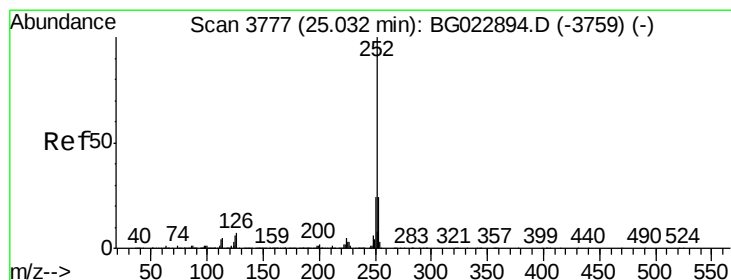
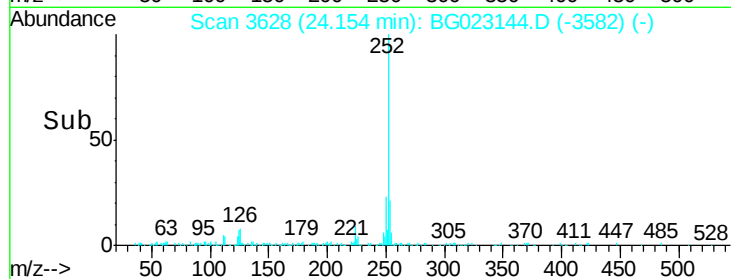
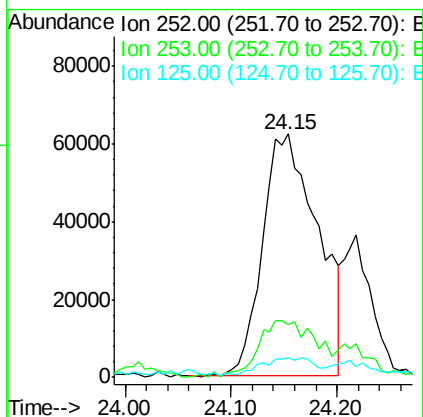
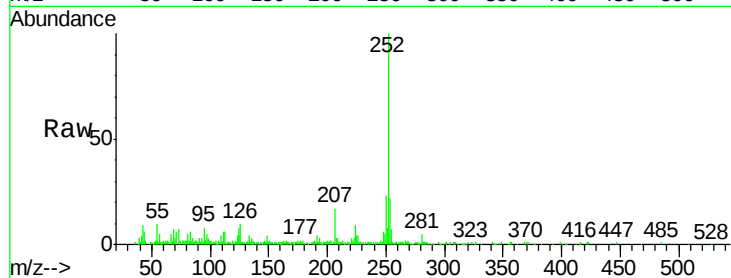




#88
Benzo(k)fluoranthene
Concen: 9.84 ng
RT: 24.15 min Scan# 3628
Delta R.T. -0.03 min
Lab File: BG023144.D
Acq: 16 Jul 2016 12:59

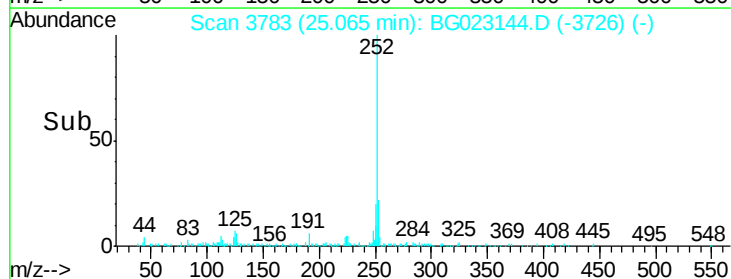
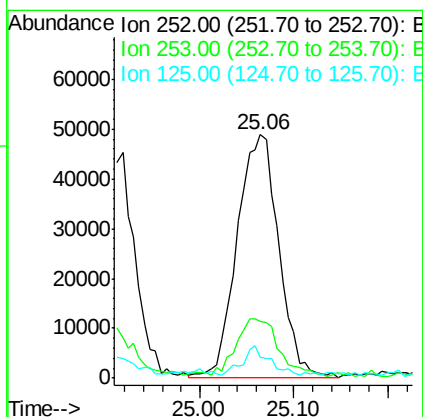
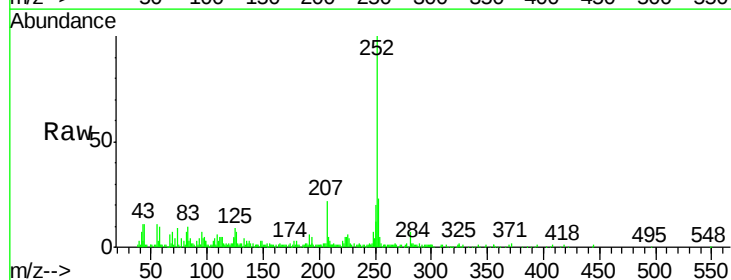
Instrument :
BNA_G
ClientSampleId :
F9-B4(0-12)C

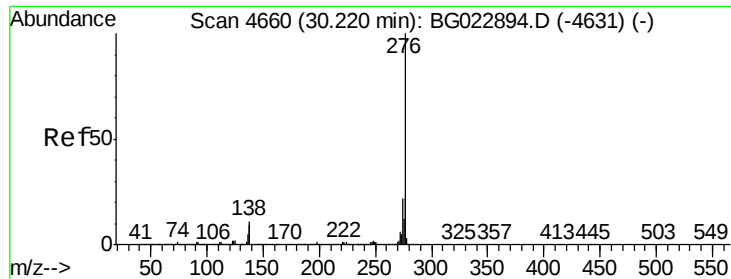
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.8	28.2
125	8.2	3.2	4.8#



#89
Benzo(a)pyrene
Concen: 6.39 ng
RT: 25.06 min Scan# 3783
Delta R.T. 0.03 min
Lab File: BG023144.D
Acq: 16 Jul 2016 12:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.7	28.1
125	8.8	3.9	5.9#





#91
 Benzo(g,h,i)perylene
 Concen: 3.97 ng
 RT: 30.28 min Scan# 4671
 Delta R.T. 0.06 min
 Lab File: BG023144.D
 Acq: 16 Jul 2016 12:59

Instrument :
 BNA_G
 ClientSampleId :
 F9-B4(0-12)C

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	27.8
138	11.1	6.8	10.2

