

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042815\
 Data File : BG016774.D
 Acq On : 28 Apr 2015 20:46
 Operator : TP/IZ
 Sample : G2022-20 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-0-2.0

Quant Time: Apr 29 01:15:21 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 00:55:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	69098	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	296216	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	163942	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	300942	20.00	ng	0.00
75) Chrysene-d12	21.16	240	255099	20.00	ng	0.00
86) Perylene-d12	23.36	264	243109	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.16	112	78299	18.39	ng	0.00
7) Phenol-d6	6.77	99	105981	17.74	ng	0.00
23) Nitrobenzene-d5	8.72	82	53266	11.36	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	20735	17.05	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	127754	12.52	ng	0.00
78) Terphenyl-d14	19.60	244	125117	11.30	ng	-0.01

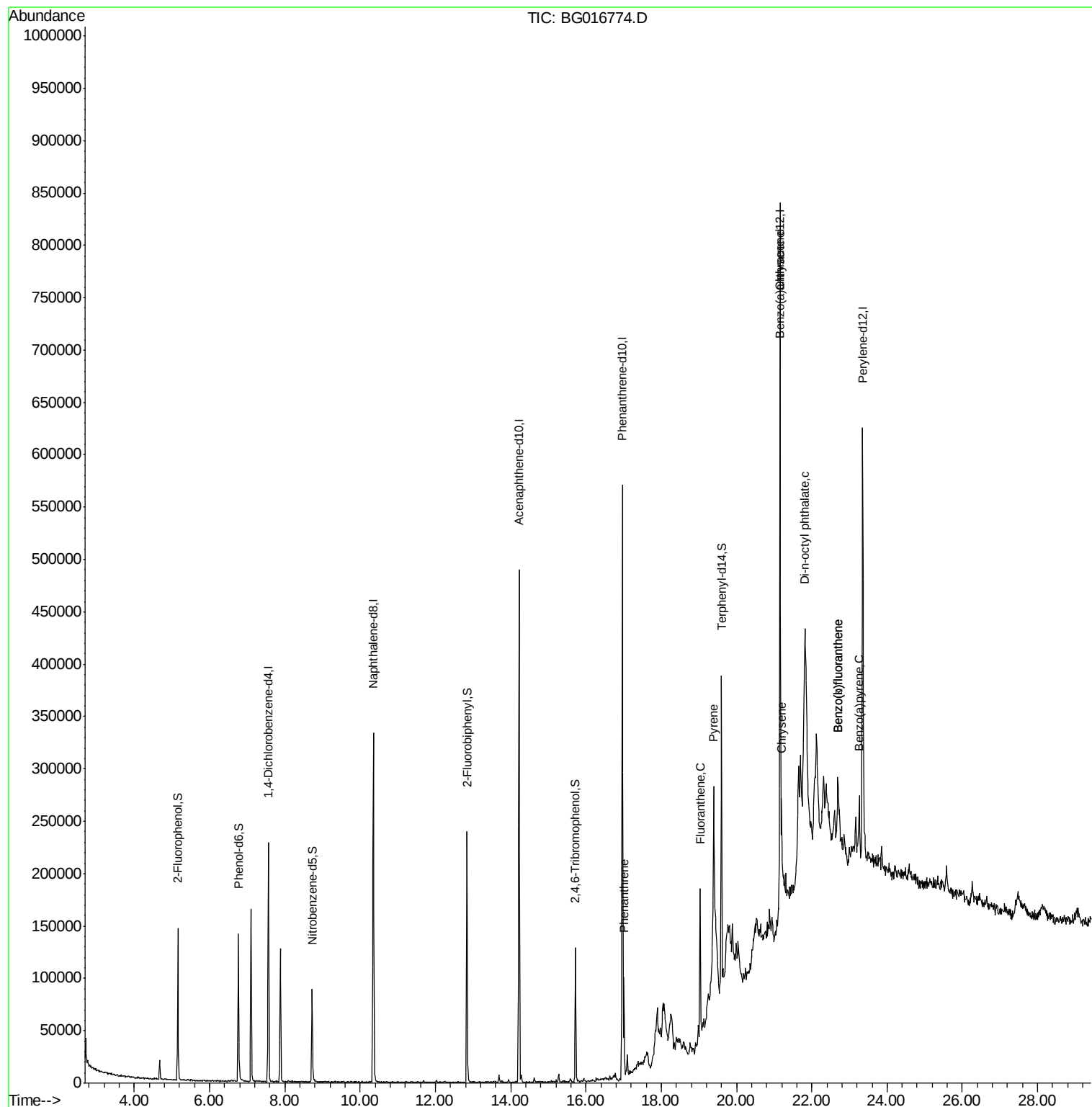
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	17.01	178	52443	3.03	ng	99
74) Fluoranthene	19.04	202	81631	4.46	ng	95
77) Pyrene	19.39	202	73462	4.10	ng	96
80) Benzo(a)anthracene	21.14	228	35795	2.31	ng	98
82) Chrysene	21.19	228	32142	2.17	ng	98
84) Di-n-octyl phthalate	21.82	149	74919	3.75	ng	# 83
87) Benzo(b)fluoranthene	22.70	252	60305	4.08	ng	# 92
88) Benzo(k)fluoranthene	22.70	252	60305	4.18	ng	# 91
89) Benzo(a)pyrene	23.26	252	32078	2.31	ng	95

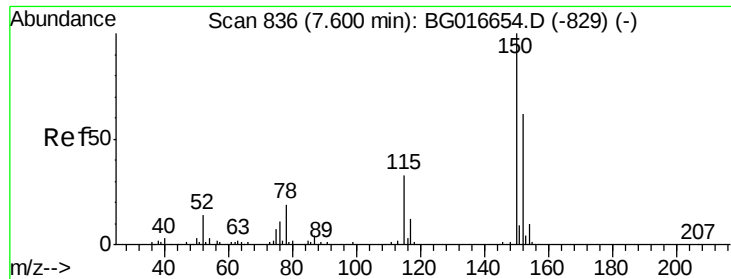
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 829

Delta R.T. -0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

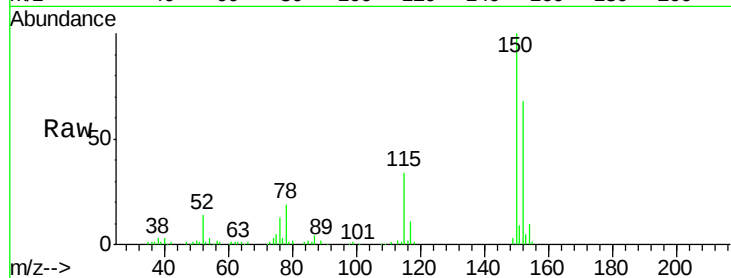
Tgt Ion:152 Resp: 69098

Ion Ratio Lower Upper

152 100

150 147.9 129.6 194.4

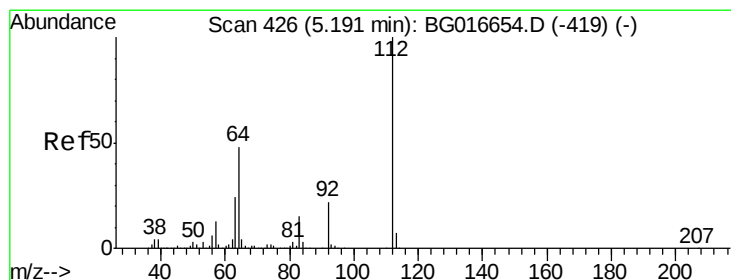
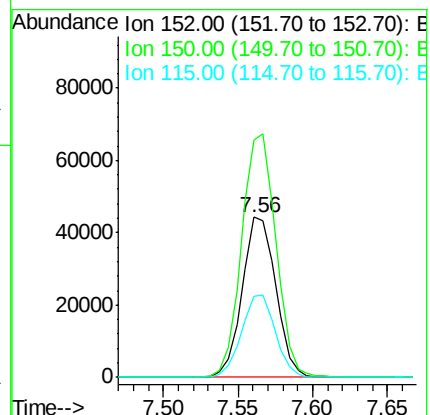
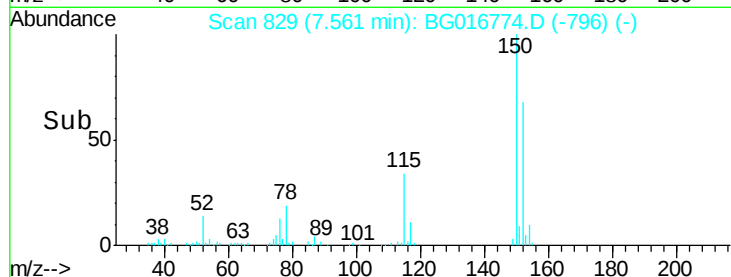
115 50.6 43.0 64.6



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: 18.39 ng

RT: 5.16 min Scan# 420

Delta R.T. 0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

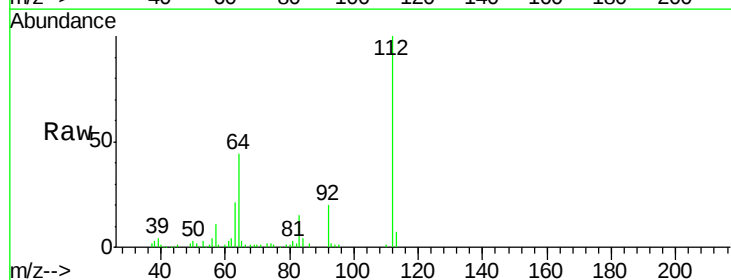
Tgt Ion:112 Resp: 78299

Ion Ratio Lower Upper

112 100

64 43.7 38.3 57.5

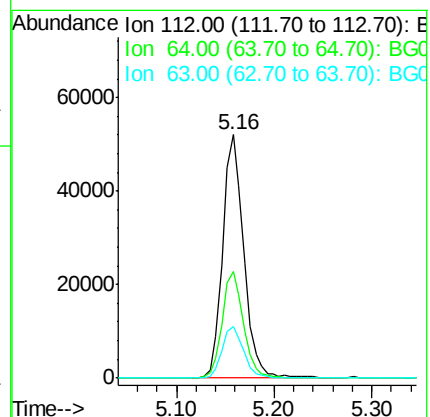
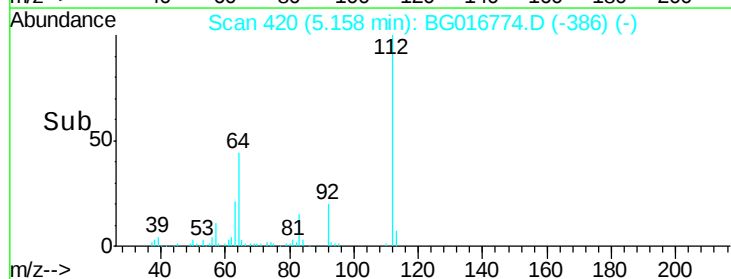
63 21.5 18.9 28.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 17.74 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

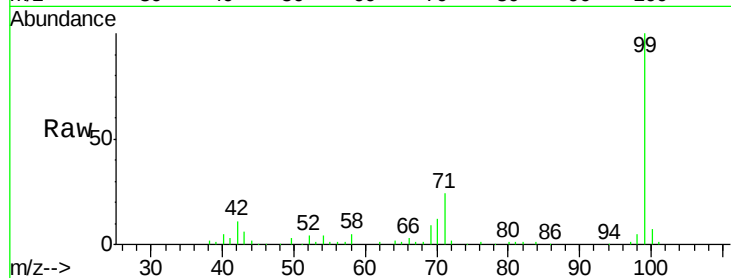
Tgt Ion: 99 Resp: 105981

Ion Ratio Lower Upper

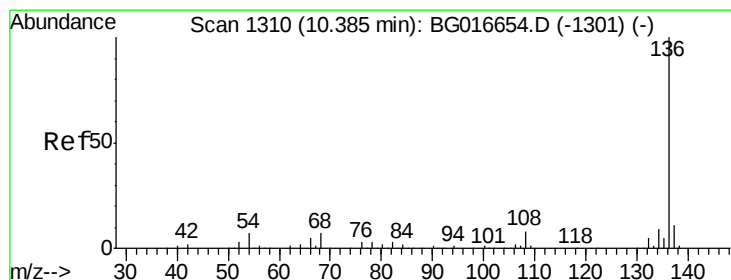
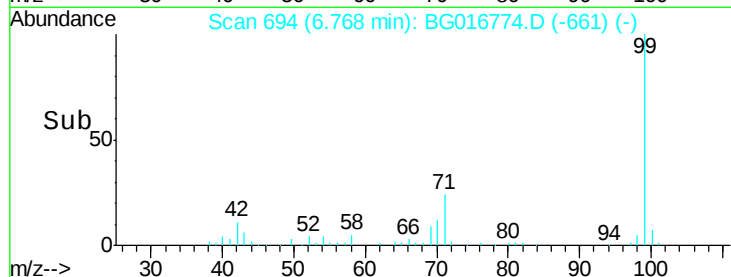
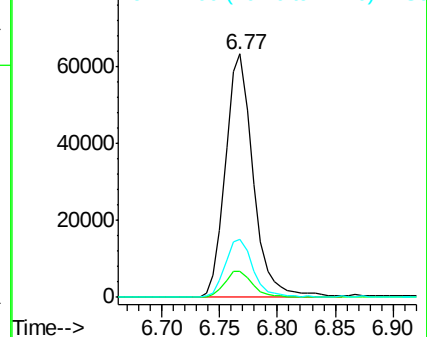
99 100

42 10.8 8.8 13.2

71 24.0 19.9 29.9



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: 10.35 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

Tgt Ion: 136 Resp: 296216

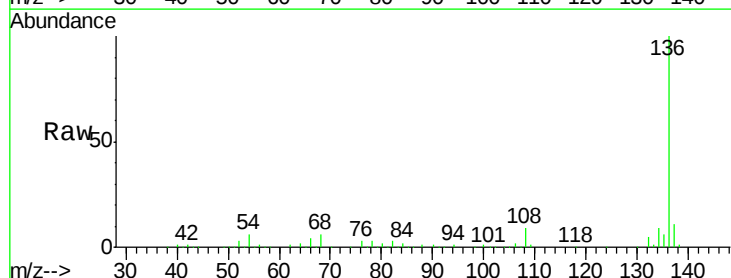
Ion Ratio Lower Upper

136 100

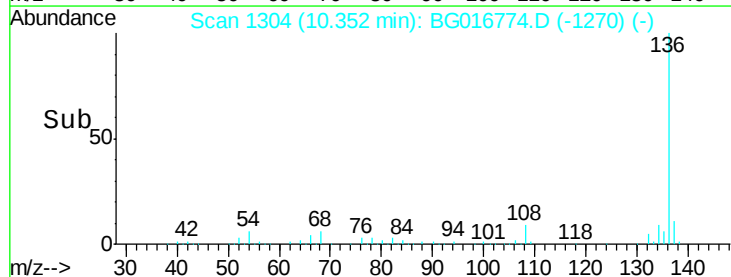
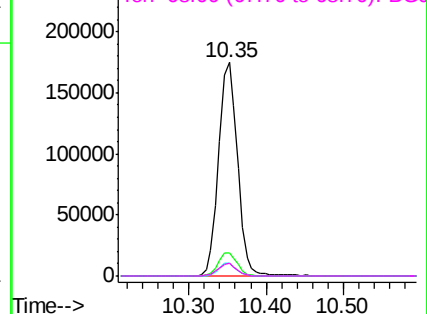
137 10.9 8.5 12.7

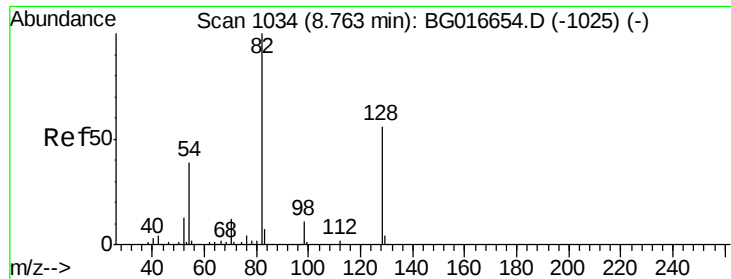
54 5.8 5.4 8.2

68 6.2 5.2 7.8



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: 11.36 ng

RT: 8.72 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

Instrument :

BNA_G

ClientSampled :

SB-03-0-2.0

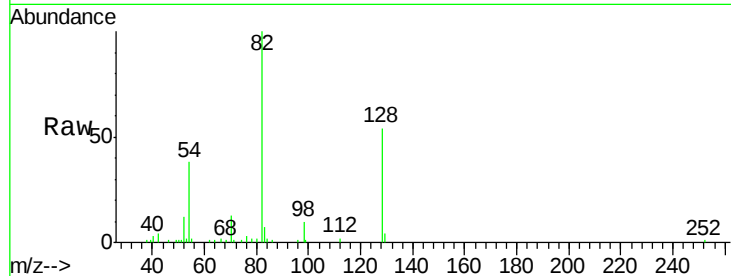
Tgt Ion: 82 Resp: 53266

Ion Ratio Lower Upper

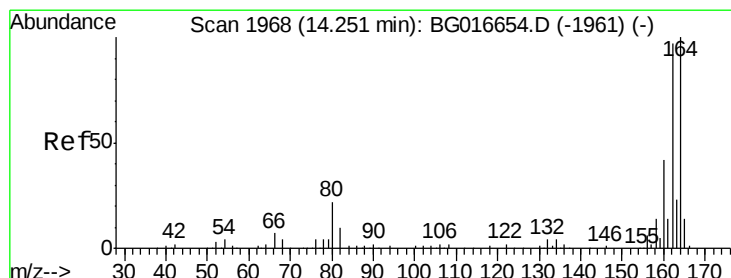
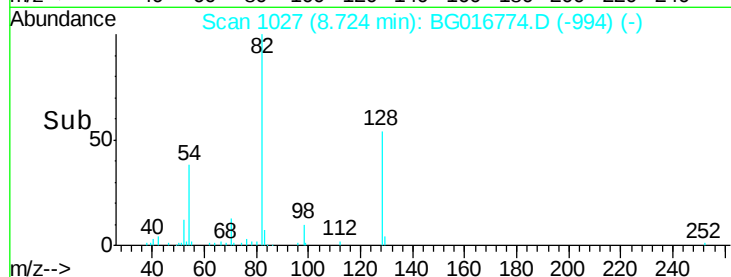
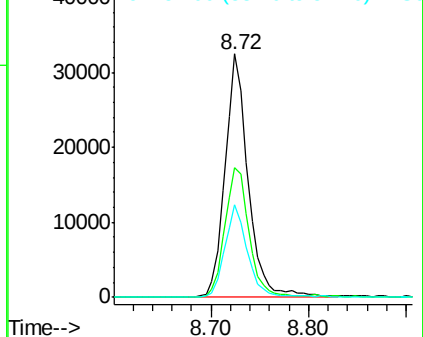
82 100

128 53.5 44.7 67.1

54 38.1 30.9 46.3



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: 14.22 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

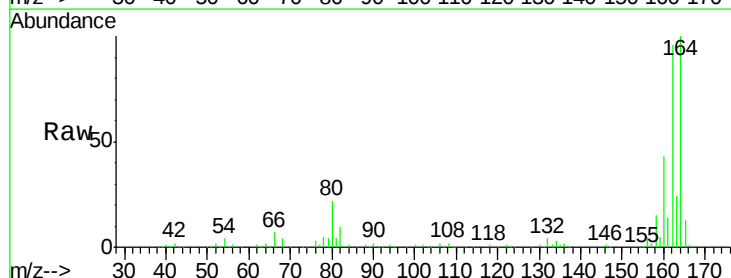
Tgt Ion: 164 Resp: 163942

Ion Ratio Lower Upper

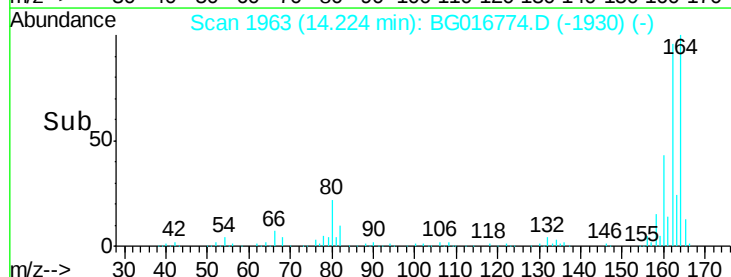
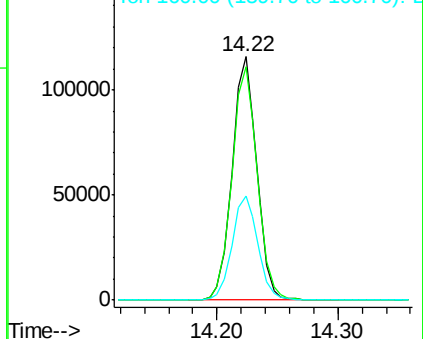
164 100

162 95.7 77.3 115.9

160 42.5 33.7 50.5



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

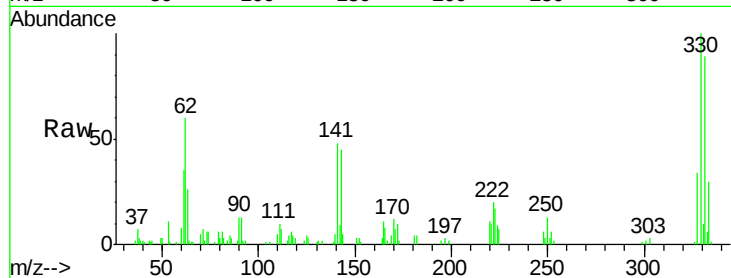




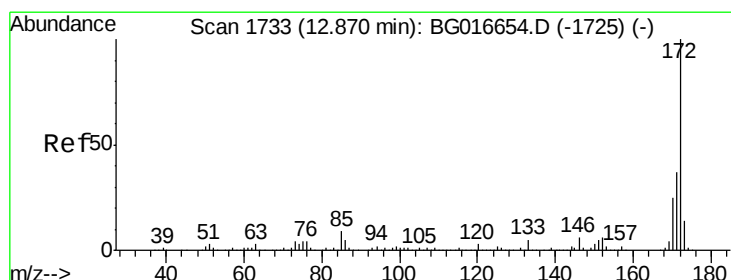
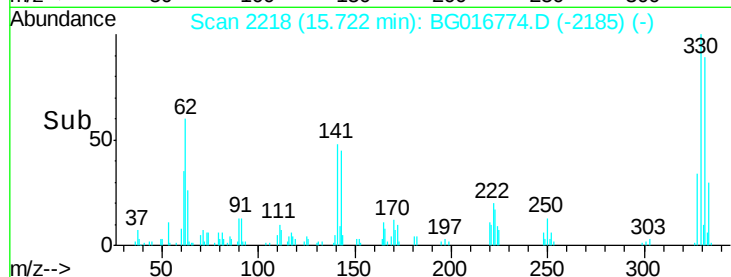
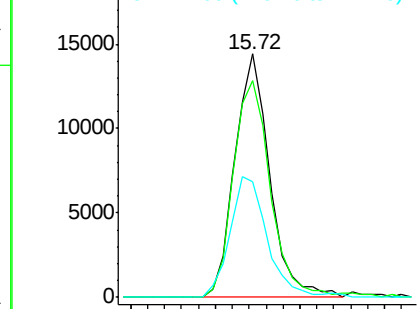
#41
 2,4,6-Tribromophenol
 Concen: 17.05 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BG016774.D
 Acq: 28 Apr 2015 20:46

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-0-2.0

Tgt Ion: 330 Resp: 20735
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.2 114.4
 141 53.0 43.0 64.6

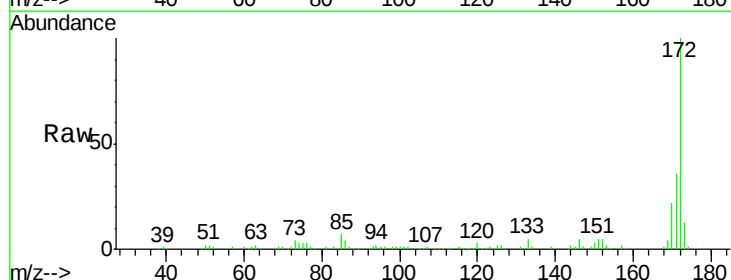


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

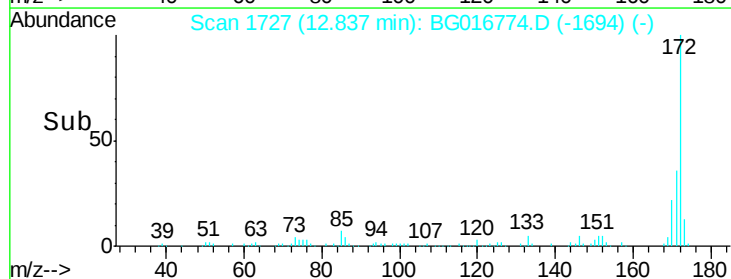
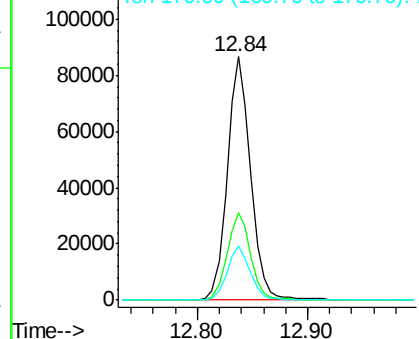


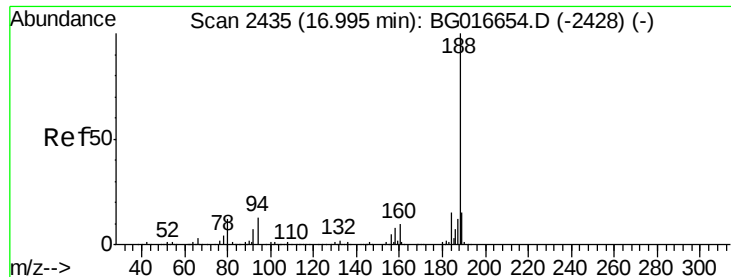
#44
 2-Fluorobiphenyl
 Concen: 12.52 ng
 RT: 12.84 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG016774.D
 Acq: 28 Apr 2015 20:46

Tgt Ion: 172 Resp: 127754
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.9 44.9
 170 22.3 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.97 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

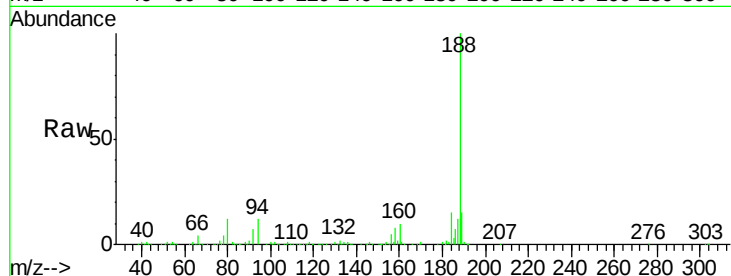
Tgt Ion:188 Resp: 300942

Ion Ratio Lower Upper

188 100

94 12.1 10.7 16.1

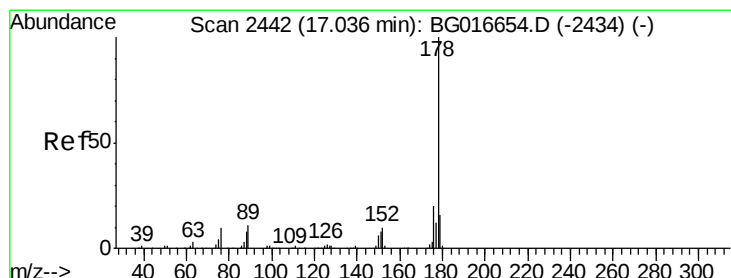
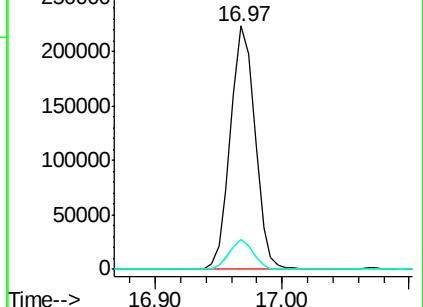
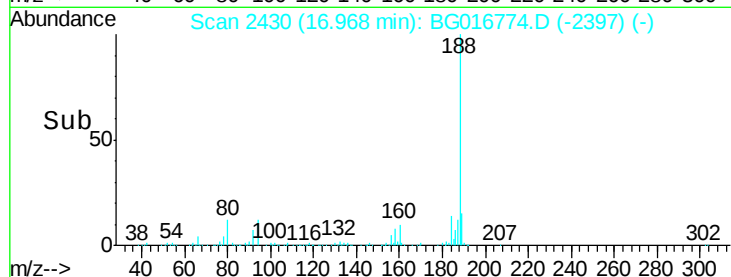
80 12.4 9.9 14.9



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: 3.03 ng

RT: 17.01 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

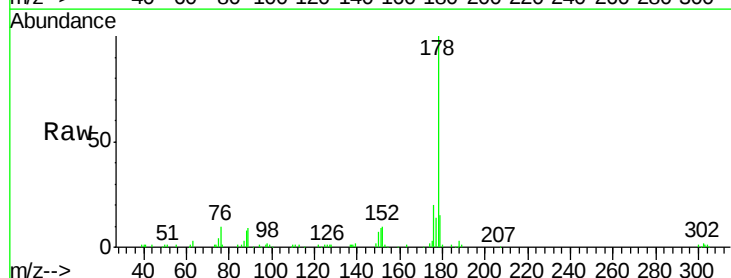
Tgt Ion:178 Resp: 52443

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

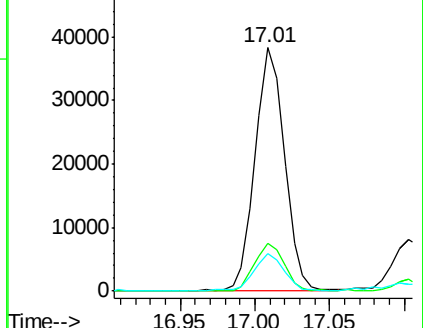
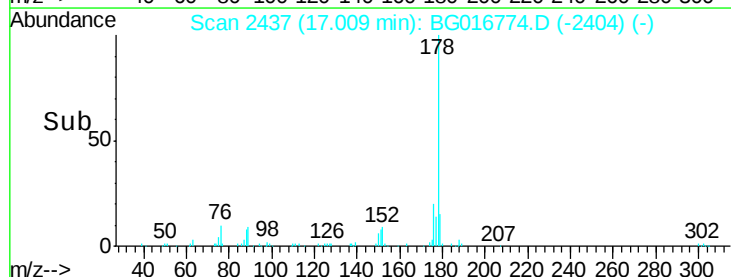
179 15.4 12.8 19.2

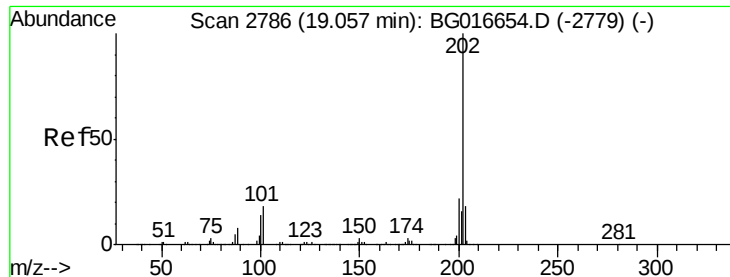


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.46 ng

RT: 19.04 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

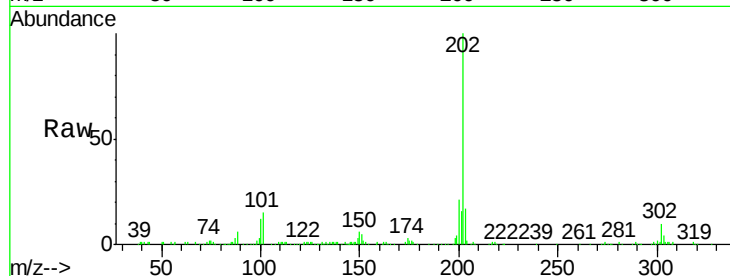
Instrument :

BNA_G

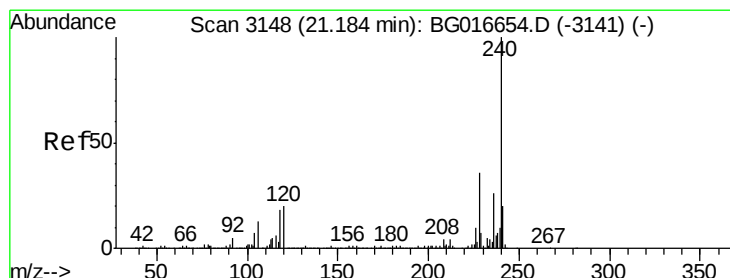
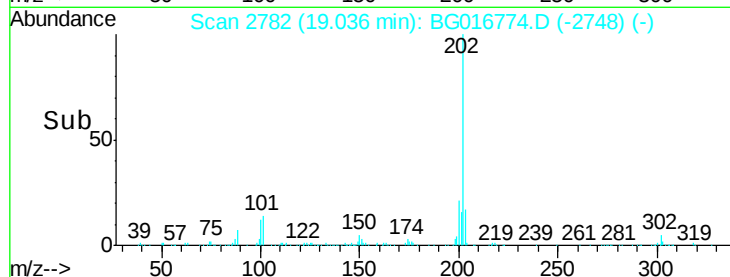
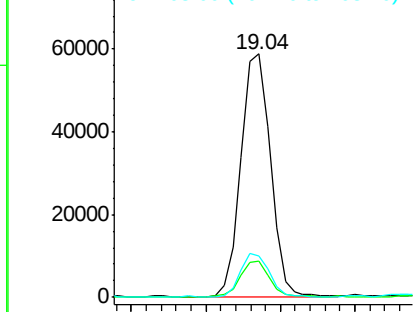
ClientSampleId :

SB-03-0-2.0

Tgt Ion:	202	Resp:	81631
Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	38.1
203	16.9	0.0	38.4



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

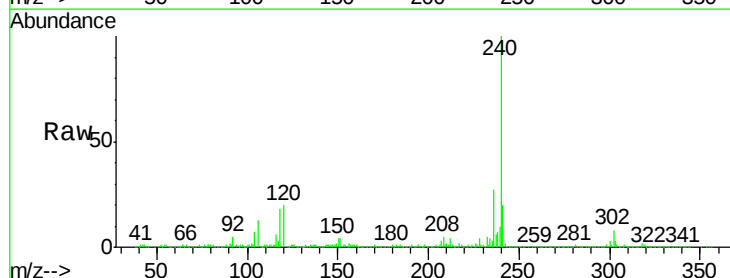
RT: 21.16 min Scan# 3143

Delta R.T. -0.00 min

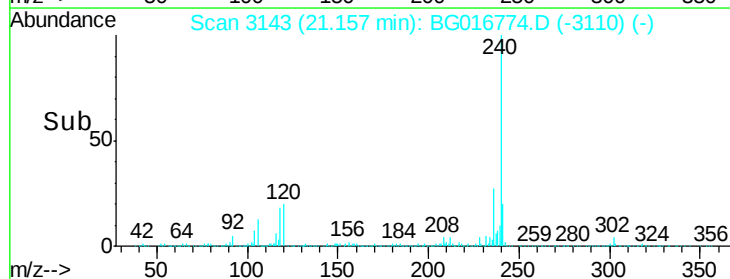
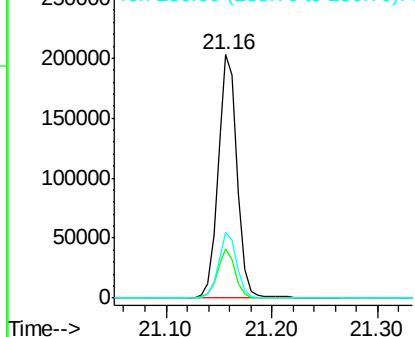
Lab File: BG016774.D

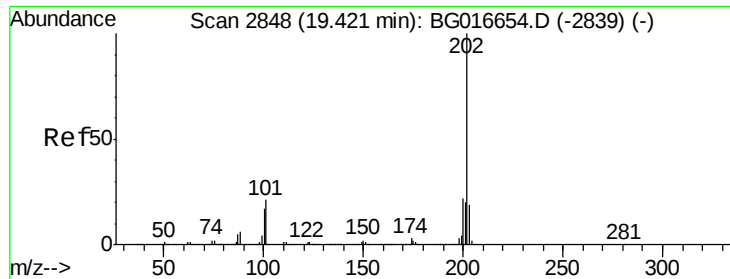
Acq: 28 Apr 2015 20:46

Tgt Ion:	240	Resp:	255099
Ion	Ratio	Lower	Upper
240	100		
120	20.4	16.3	24.5
236	26.8	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

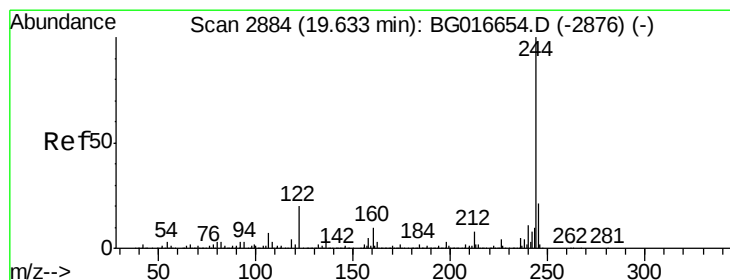
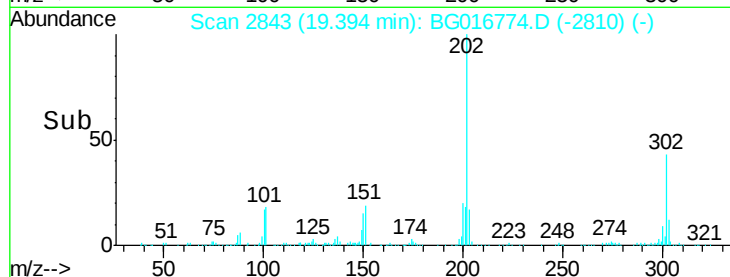
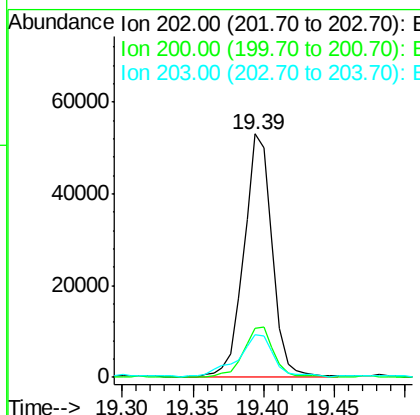
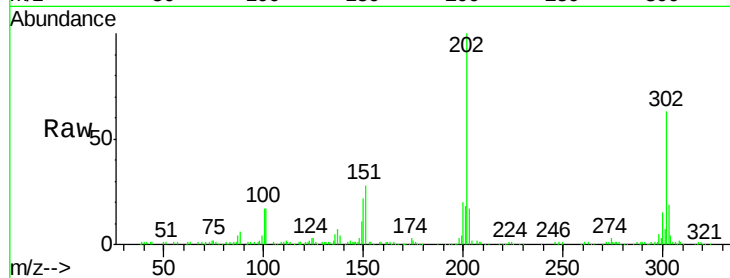




#77
 Pyrene
 Concen: 4.10 ng
 RT: 19.39 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: BG016774.D
 Acq: 28 Apr 2015 20:46

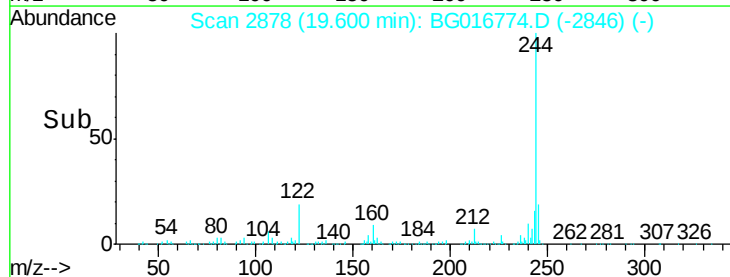
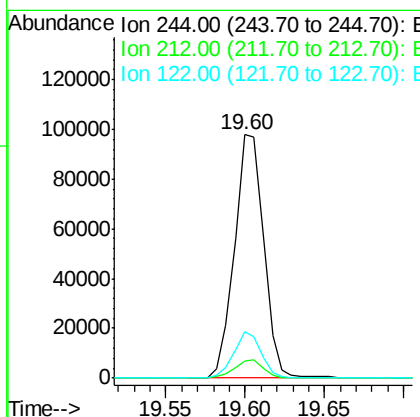
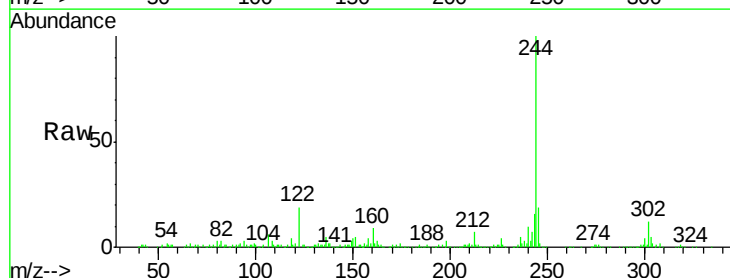
Instrument :
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 SB-03-0-2.0

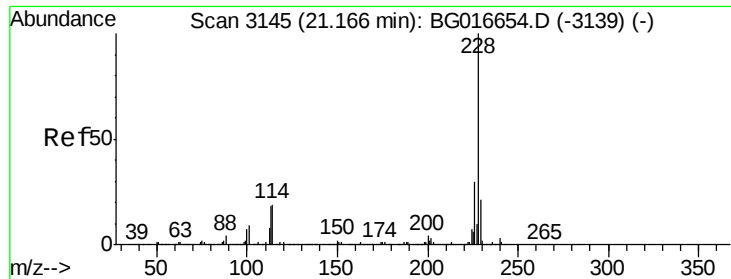
Tgt Ion:202 Resp: 73462
 Ion Ratio Lower Upper
 202 100
 200 20.2 18.0 27.0
 203 17.3 14.9 22.3



#78
 Terphenyl-d14
 Concen: 11.30 ng
 RT: 19.60 min Scan# 2878
 Delta R.T. -0.01 min
 Lab File: BG016774.D
 Acq: 28 Apr 2015 20:46

Tgt Ion:244 Resp: 125117
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.4 9.6
 122 19.2 15.9 23.9

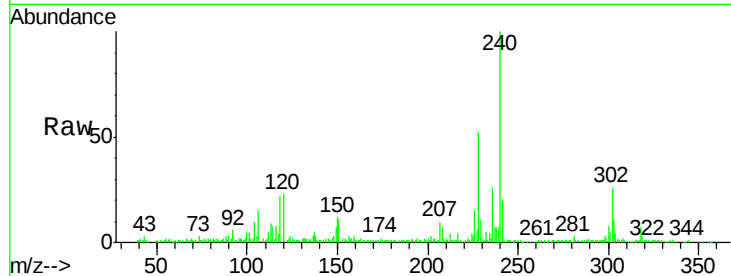




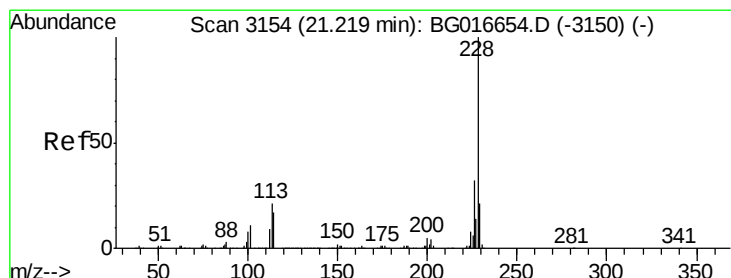
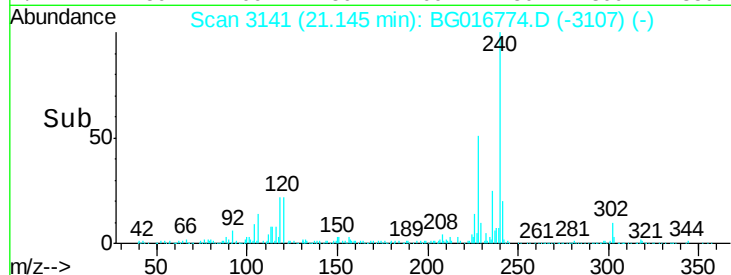
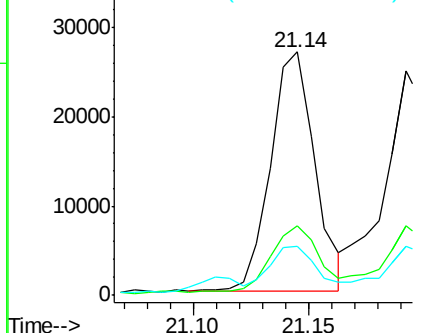
#80
Benzo(a)anthracene
Concen: 2.31 ng
RT: 21.14 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG016774.D
Acq: 28 Apr 2015 20:46

Instrument :
BNA_G
ClientSampleId :
SB-03-0-2.0

Tgt Ion:228 Resp: 35795
Ion Ratio Lower Upper
228 100
226 28.4 23.8 35.6
229 20.2 17.0 25.4

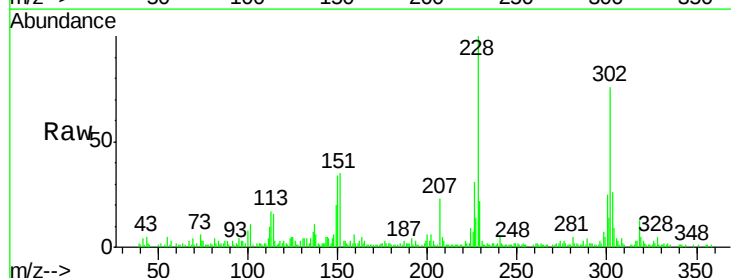


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

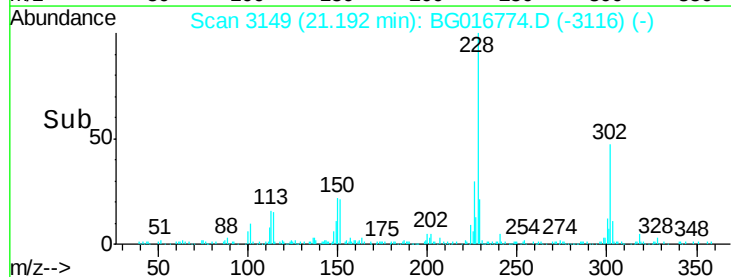
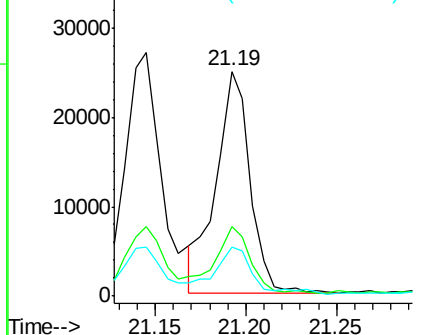


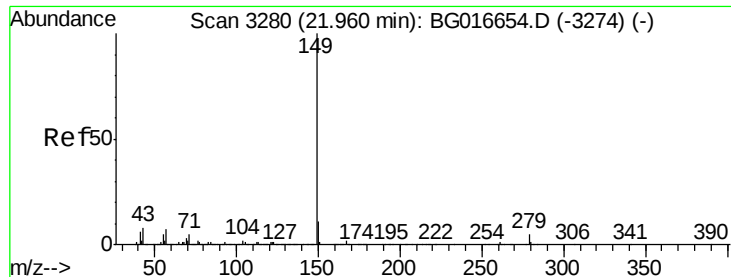
#82
Chrysene
Concen: 2.17 ng
RT: 21.19 min Scan# 3149
Delta R.T. -0.00 min
Lab File: BG016774.D
Acq: 28 Apr 2015 20:46

Tgt Ion:228 Resp: 32142
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.0
229 21.9 16.5 24.7



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





#84

Di-n-octyl phthalate

Concen: 3.75 ng

RT: 21.82 min Scan# 3256

Delta R.T. -0.12 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

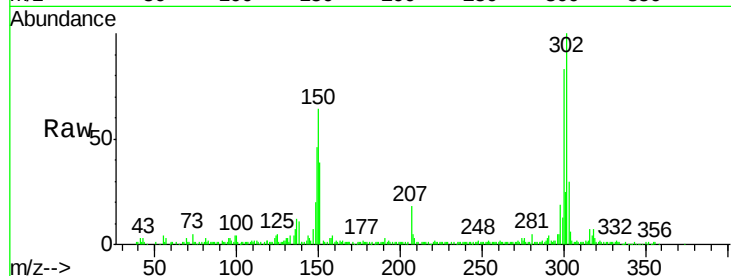
Tgt Ion:149 Resp: 74919

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

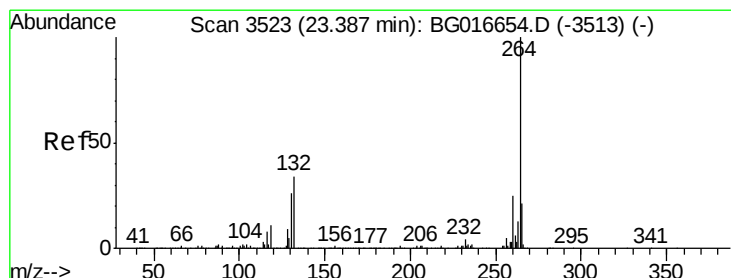
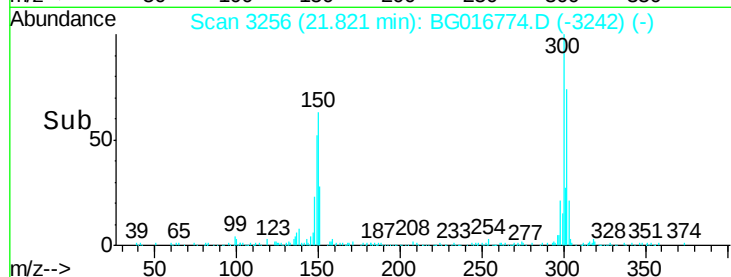
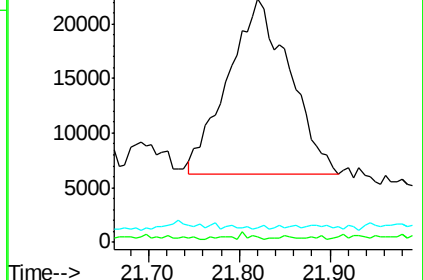
43 0.2 5.7 8.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.36 min Scan# 3518

Delta R.T. 0.01 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

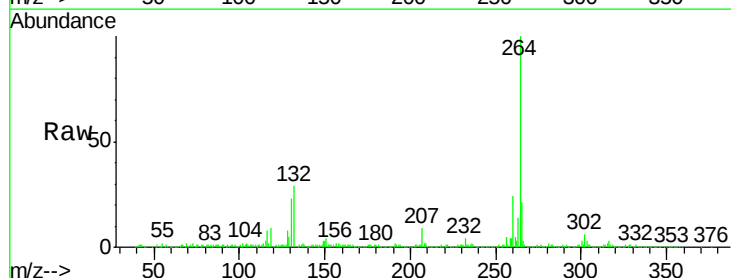
Tgt Ion:264 Resp: 243109

Ion Ratio Lower Upper

264 100

260 24.1 20.0 30.0

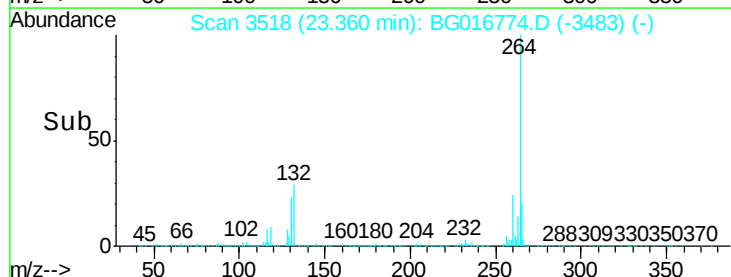
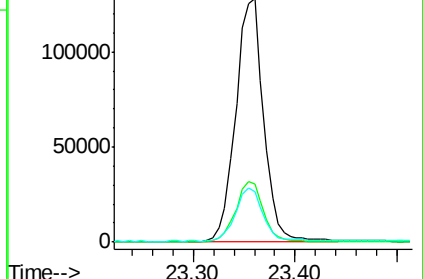
265 20.8 16.8 25.2

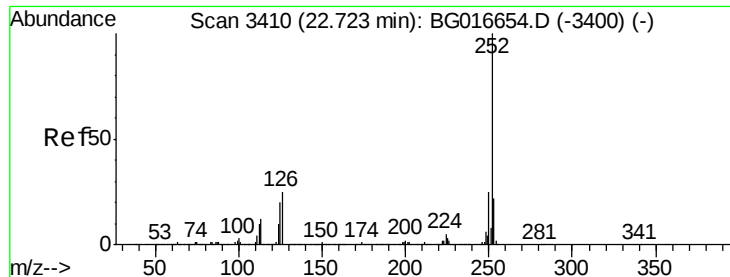


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.08 ng

RT: 22.70 min Scan# 3405

Delta R.T. -0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

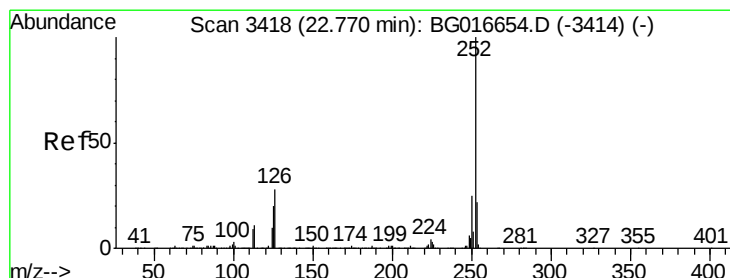
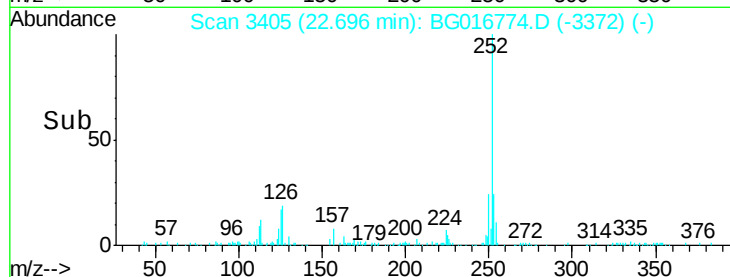
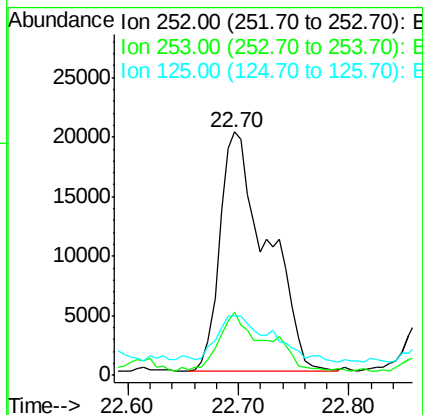
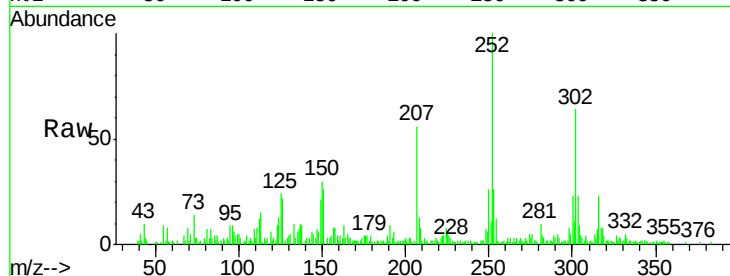
Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

Tgt Ion:	252	Resp:	60305
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.9	26.9
125	24.2	15.8	23.8#



#88

Benzo(k)fluoranthene

Concen: 4.18 ng

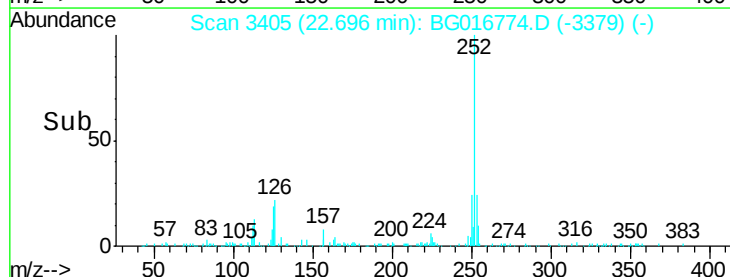
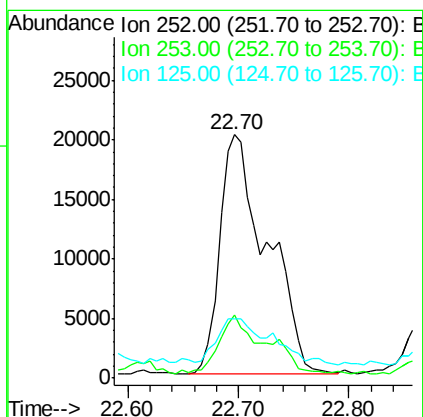
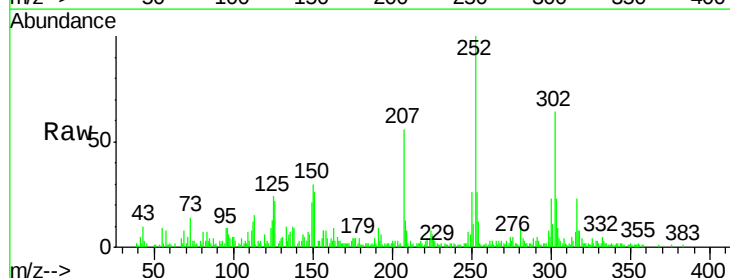
RT: 22.70 min Scan# 3405

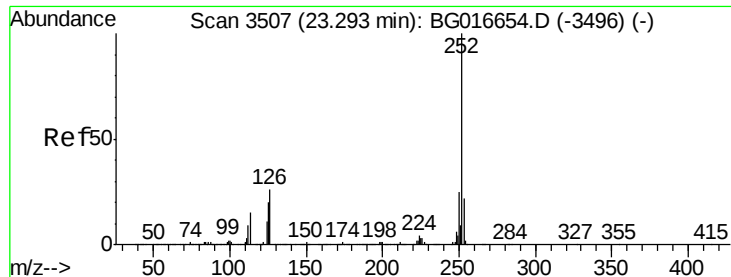
Delta R.T. -0.05 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

Tgt Ion:	252	Resp:	60305
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.6	26.4
125	24.2	15.5	23.3#





#89

Benzo(a)pyrene

Concen: 2.31 ng

RT: 23.26 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BG016774.D

Acq: 28 Apr 2015 20:46

Instrument :

BNA_G

ClientSampleId :

SB-03-0-2.0

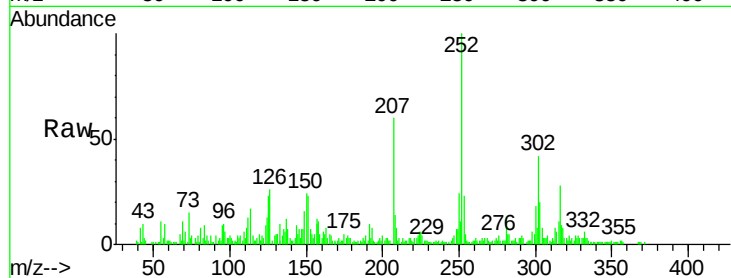
Tgt Ion: 252 Resp: 32078

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 23.1 16.3 24.5



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

