

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042715\
 Data File : BG016732.D
 Acq On : 27 Apr 2015 12:35
 Operator : TP/IZ
 Sample : G1891-07RE 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-71SRE

Quant Time: Apr 28 01:07:50 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 00:54:32 2015
 Response via : Initial Calibration

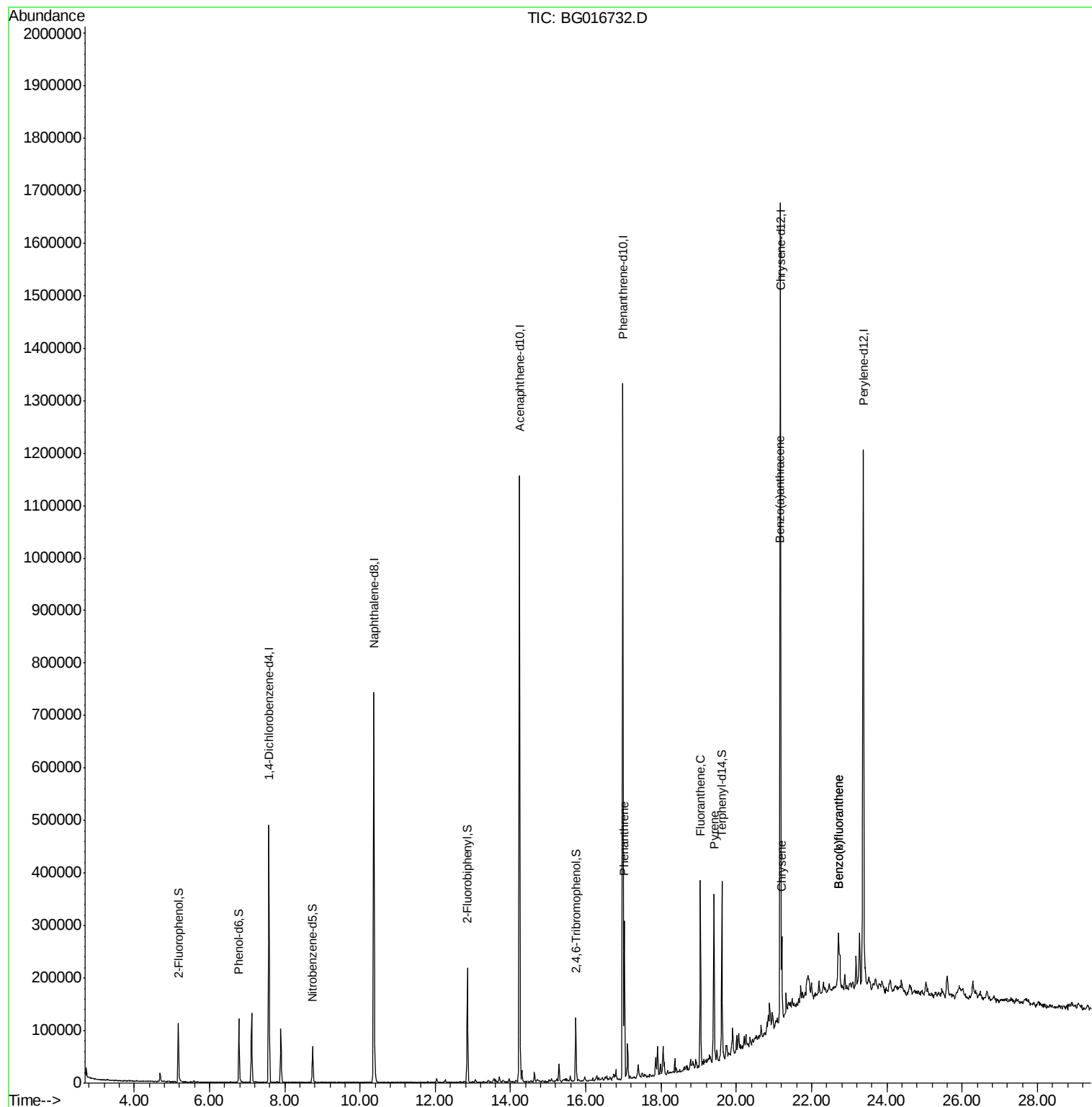
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	138623	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	634084	20.00	ng	0.00
38) Acenaphthene-d10	14.24	164	381531	20.00	ng	0.00
63) Phenanthrene-d10	16.98	188	715004	20.00	ng	0.00
75) Chrysene-d12	21.17	240	622439	20.00	ng	0.00
86) Perylene-d12	23.37	264	596940	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	60658	7.10	ng	0.00
7) Phenol-d6	6.78	99	88240	7.36	ng	0.00
23) Nitrobenzene-d5	8.74	82	43547	4.34	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	17087	6.04	ng	0.00
44) 2-Fluorobiphenyl	12.85	172	113122	4.76	ng	0.00
78) Terphenyl-d14	19.61	244	125933	4.66	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.02	178	166488	4.05	ng	100
74) Fluoranthene	19.04	202	189038	4.34	ng	97
77) Pyrene	19.41	202	171153	3.91	ng	98
80) Benzo(a)anthracene	21.15	228	77678	2.06	ng	99
82) Chrysene	21.20	228	72519	2.00	ng	97
87) Benzo(b)fluoranthene	22.71	252	81195	2.24	ng	94
88) Benzo(k)fluoranthene	22.71	252	81195	2.29	ng	94

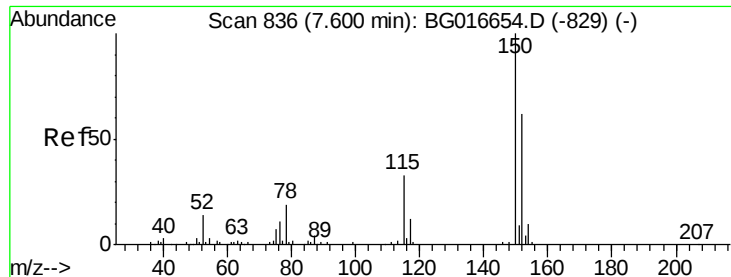
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.58 min Scan# 832

Delta R.T. 0.01 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

Instrument :

BNA_G

ClientSampleId :

SB-71SRE

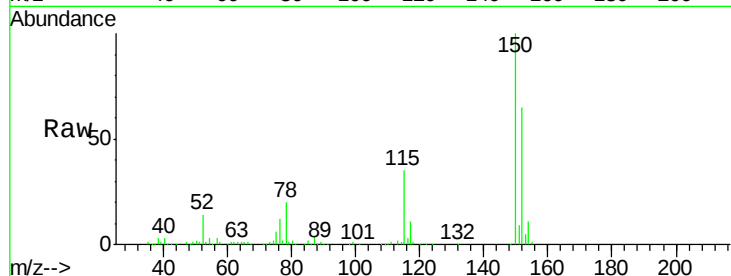
Tgt Ion:152 Resp: 138623

Ion Ratio Lower Upper

152 100

150 154.8 129.6 194.4

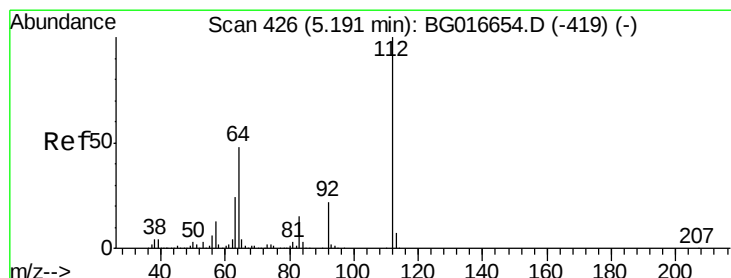
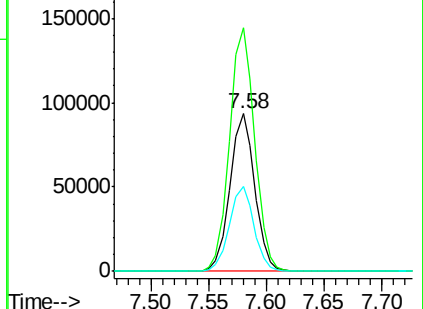
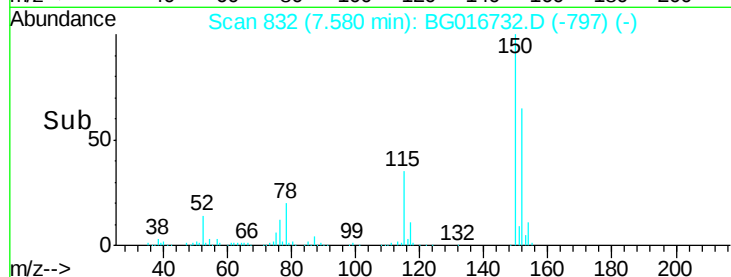
115 53.6 43.0 64.6



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: 7.10 ng

RT: 5.18 min Scan# 423

Delta R.T. 0.01 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

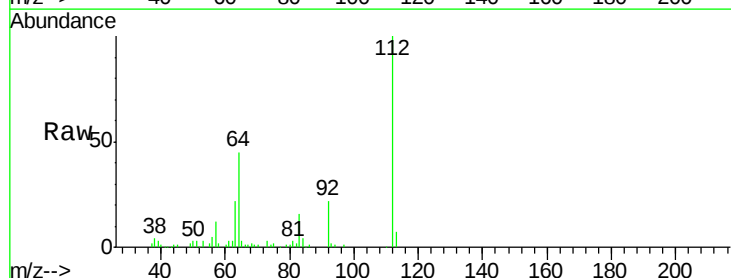
Tgt Ion:112 Resp: 60658

Ion Ratio Lower Upper

112 100

64 45.4 38.3 57.5

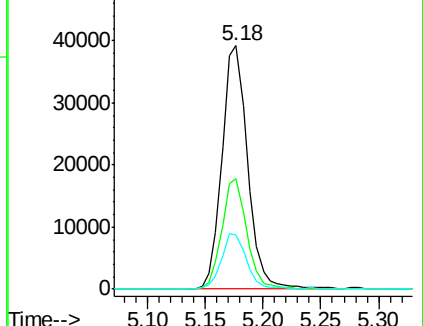
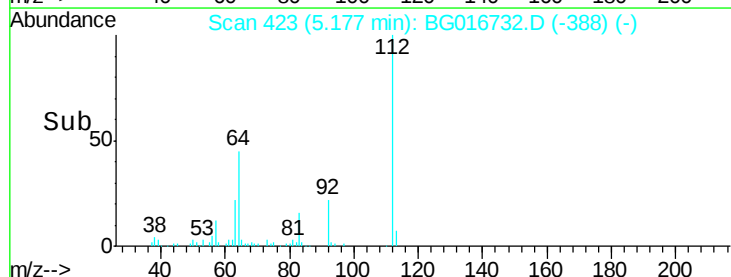
63 22.1 18.9 28.3

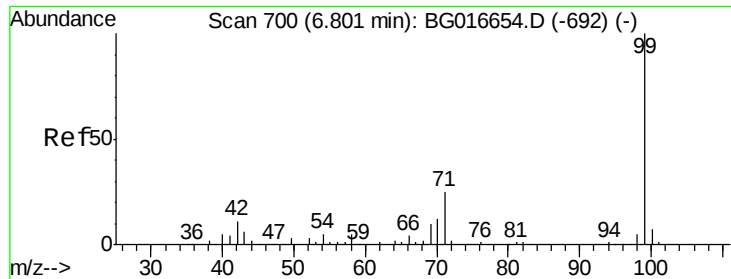


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 7.36 ng

RT: 6.78 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

Instrument :

BNA_G

ClientSampleId :

SB-71SRE

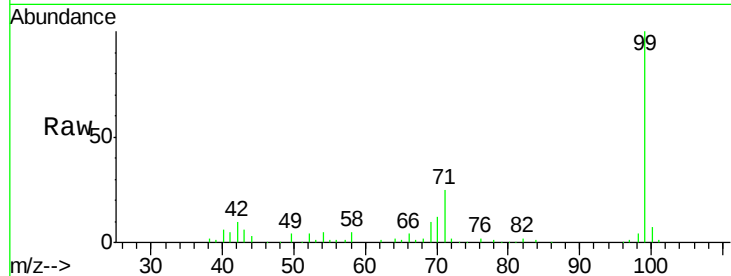
Tgt Ion: 99 Resp: 88240

Ion Ratio Lower Upper

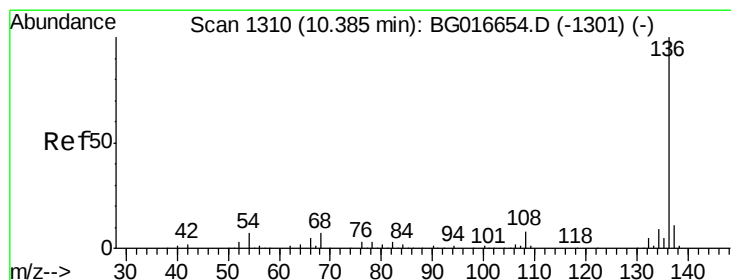
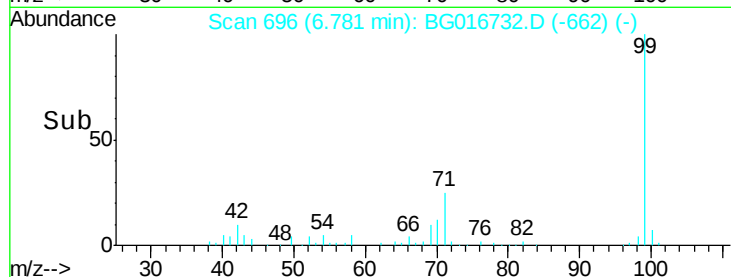
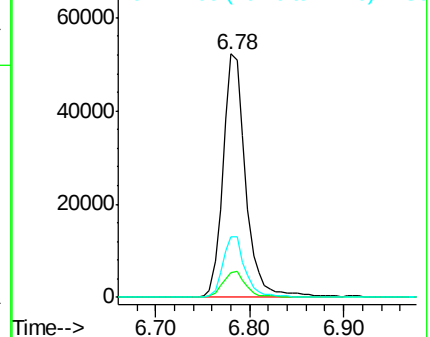
99 100

42 10.4 8.8 13.2

71 25.1 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: 10.36 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

Tgt Ion: 136 Resp: 634084

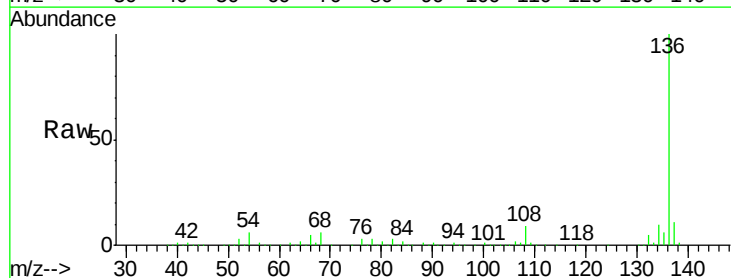
Ion Ratio Lower Upper

136 100

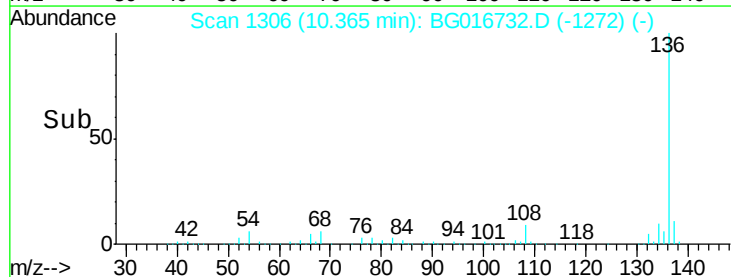
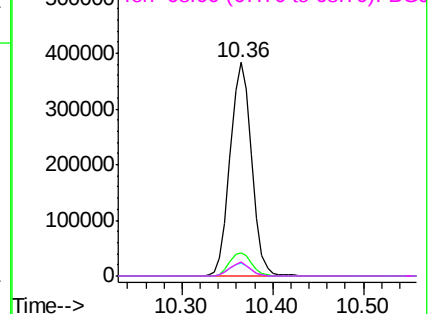
137 11.0 8.5 12.7

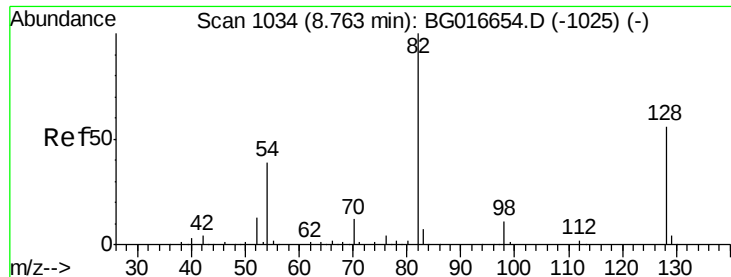
54 5.8 5.4 8.2

68 6.5 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: 4.34 ng

RT: 8.74 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

Instrument :

BNA_G

ClientSampleId :

SB-71SRE

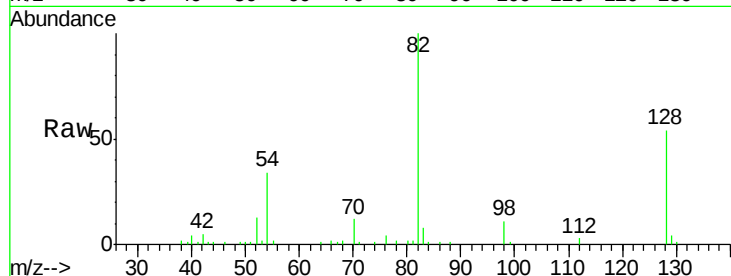
Tgt Ion: 82 Resp: 43547

Ion Ratio Lower Upper

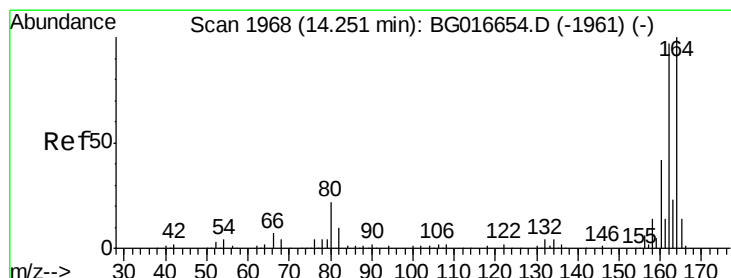
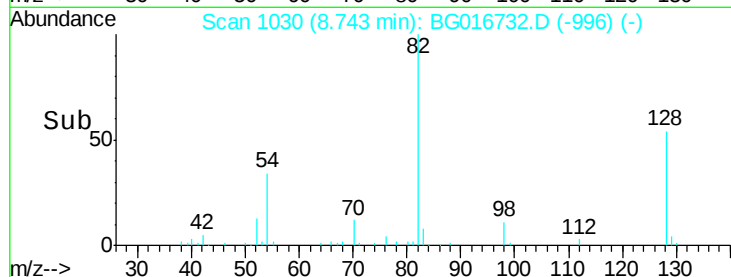
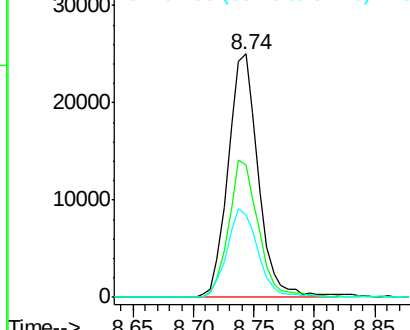
82 100

128 54.3 44.7 67.1

54 33.9 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: 14.24 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

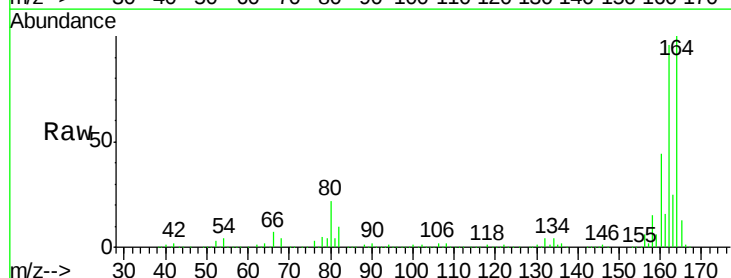
Tgt Ion: 164 Resp: 381531

Ion Ratio Lower Upper

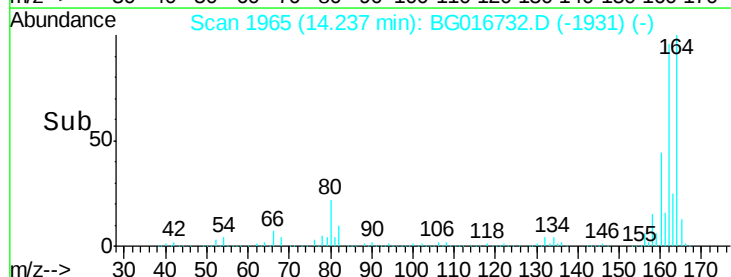
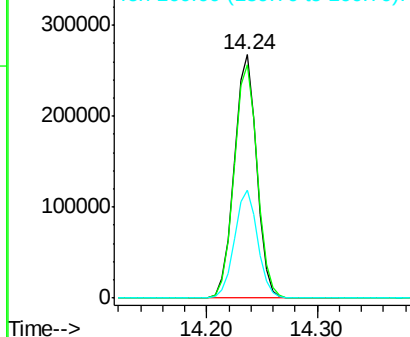
164 100

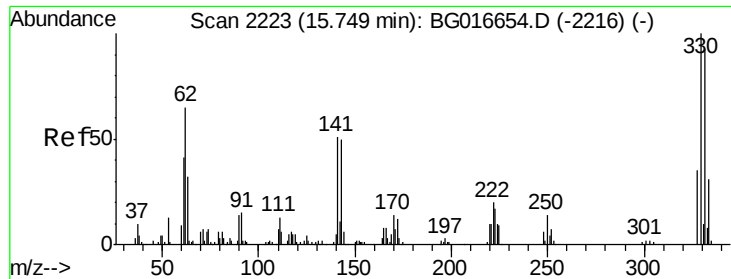
162 95.6 77.3 115.9

160 44.3 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

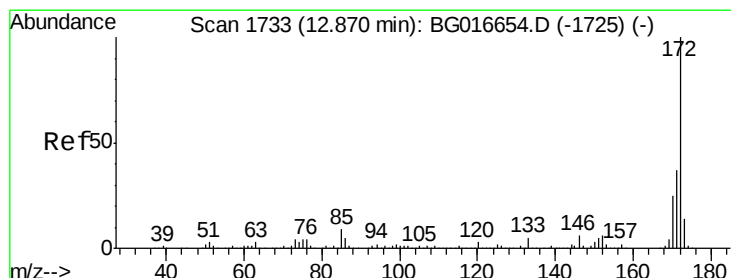
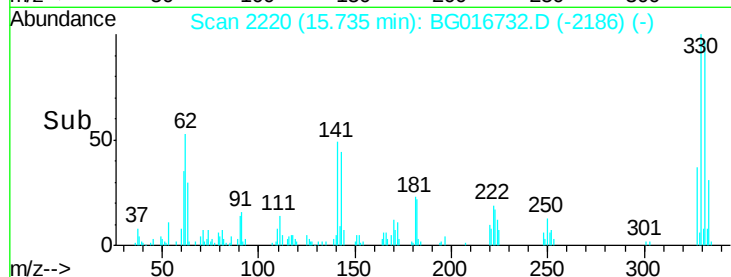
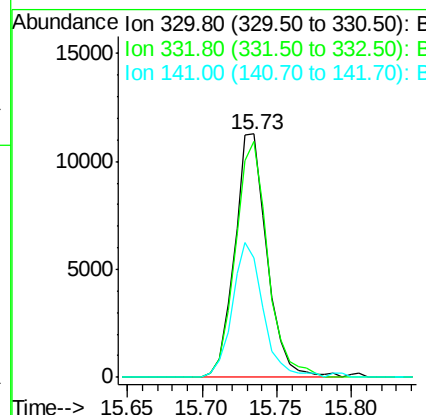
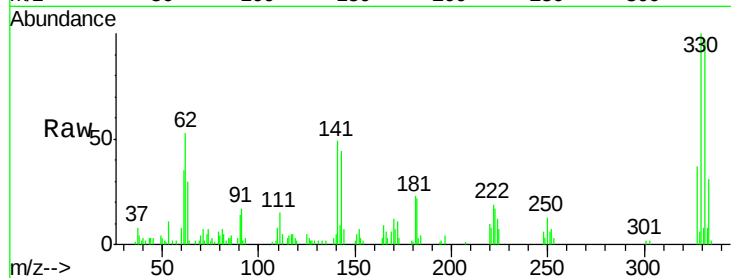




#41
 2,4,6-Tribromophenol
 Concen: 6.04 ng
 RT: 15.73 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: BG016732.D
 Acq: 27 Apr 2015 12:35

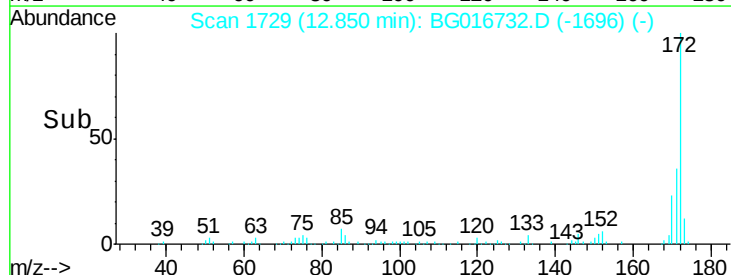
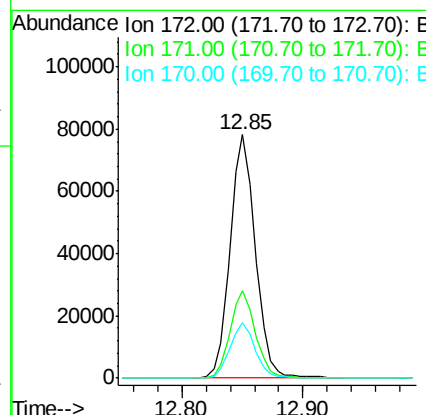
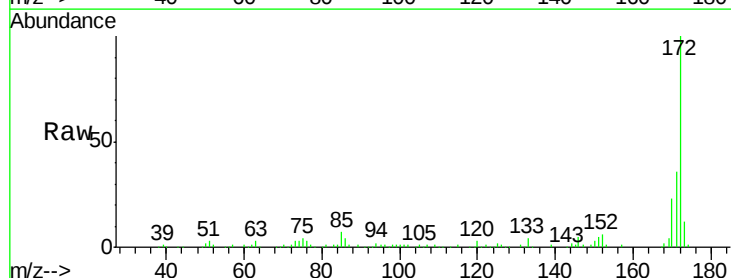
Instrument :
 BNA_G
 ClientSampleId :
 SB-71SRE

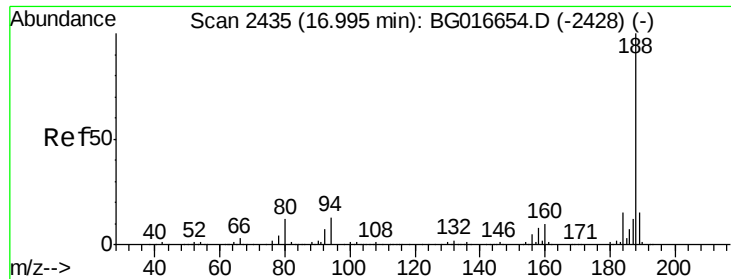
Tgt Ion:330 Resp: 17087
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.2 114.4
 141 53.1 43.0 64.6



#44
 2-Fluorobiphenyl
 Concen: 4.76 ng
 RT: 12.85 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG016732.D
 Acq: 27 Apr 2015 12:35

Tgt Ion:172 Resp: 113122
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.9 44.9
 170 22.7 19.8 29.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.98 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

Instrument :

BNA_G

ClientSampleId :

SB-71SRE

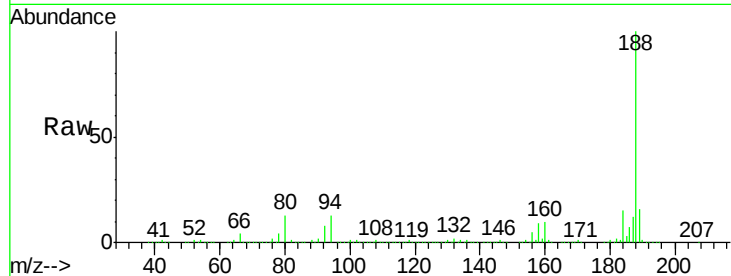
Tgt Ion:188 Resp: 715004

Ion Ratio Lower Upper

188 100

94 12.9 10.7 16.1

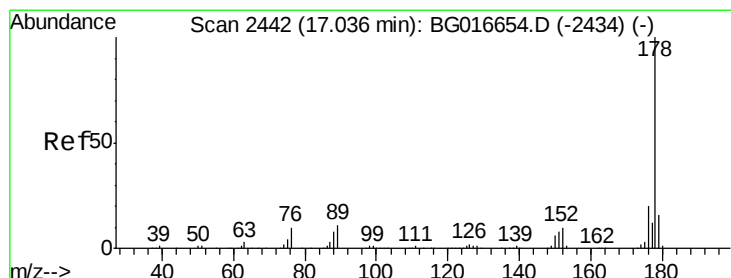
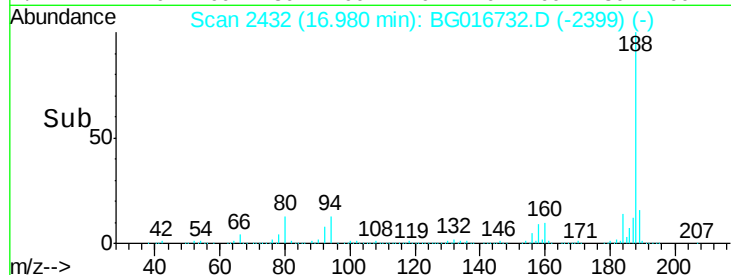
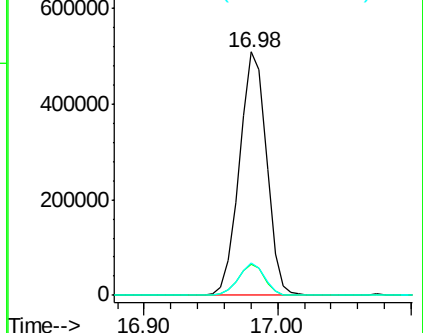
80 13.1 9.9 14.9



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: 4.05 ng

RT: 17.02 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

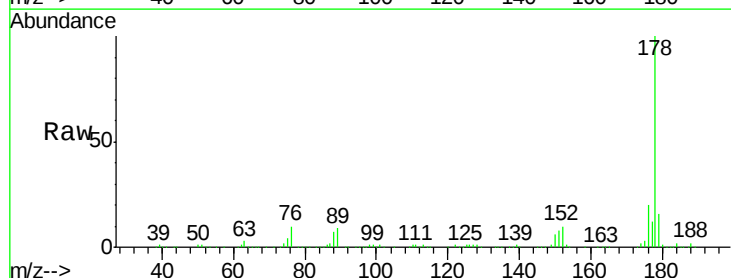
Tgt Ion:178 Resp: 166488

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

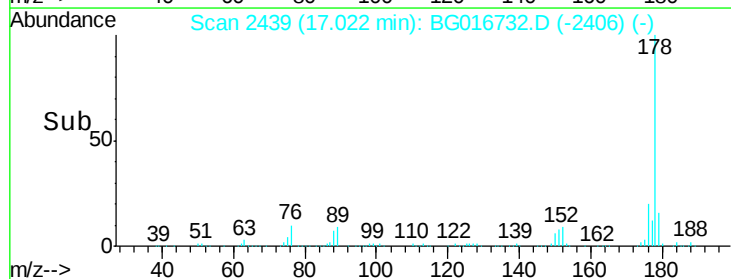
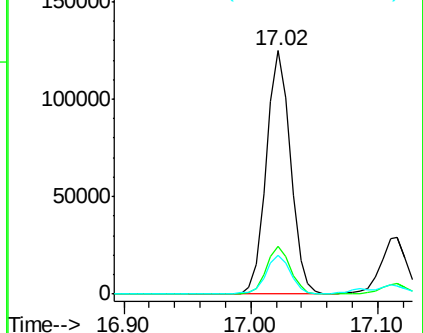
179 16.1 12.8 19.2

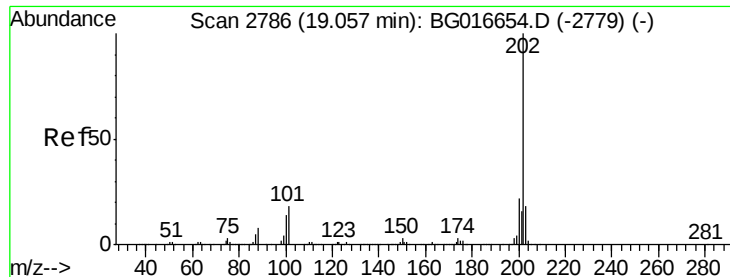


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.34 ng

RT: 19.04 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

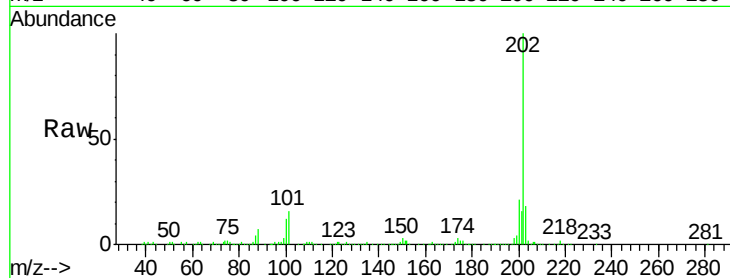
Instrument :

BNA_G

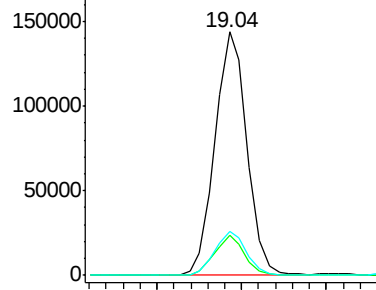
ClientSampleId :

SB-71SRE

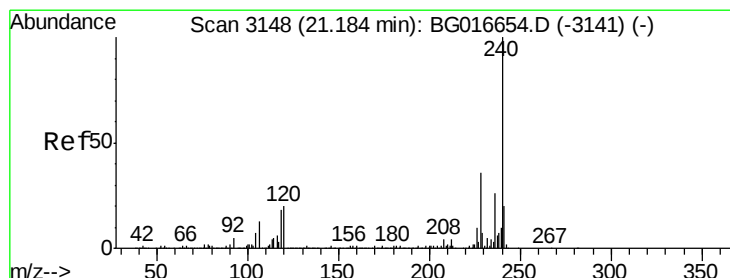
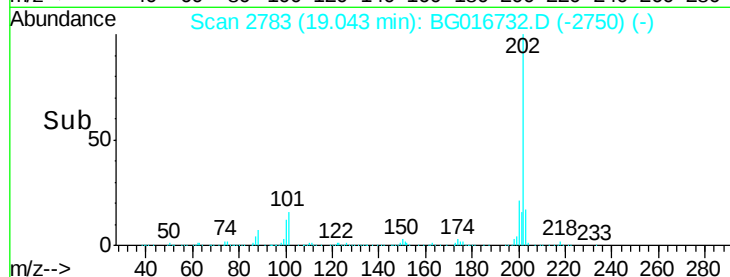
Tgt Ion:	202	Resp:	189038
Ion Ratio	Lower	Upper	
202	100		
101	16.3	0.0	38.1
203	17.9	0.0	38.4



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



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

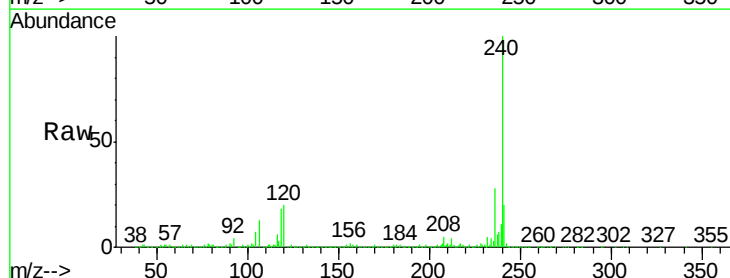
RT: 21.17 min Scan# 3145

Delta R.T. -0.00 min

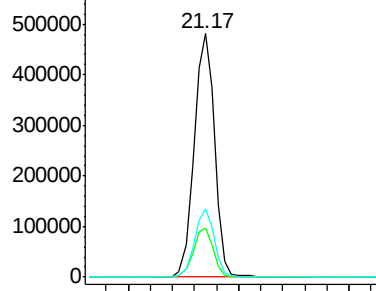
Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

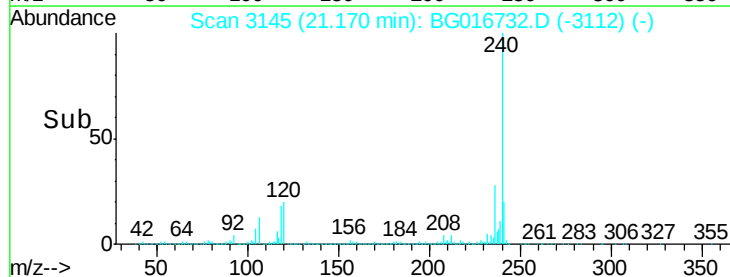
Tgt Ion:	240	Resp:	622439
Ion Ratio	Lower	Upper	
240	100		
120	20.3	16.3	24.5
236	27.8	21.1	31.7

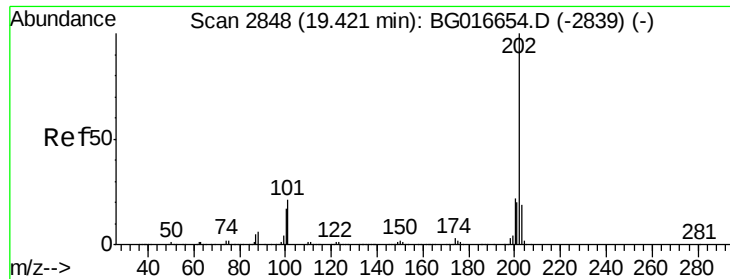


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->

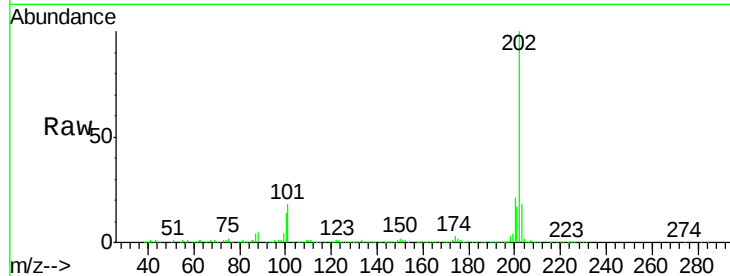




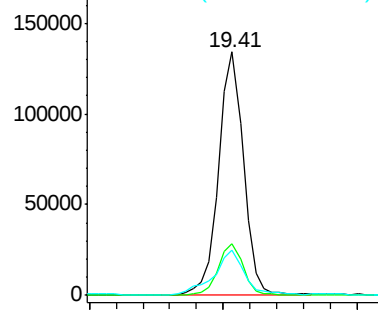
#77
 Pyrene
 Concen: 3.91 ng
 RT: 19.41 min Scan# 2845
 Delta R.T. -0.00 min
 Lab File: BG016732.D
 Acq: 27 Apr 2015 12:35

Instrument :
 BNA_G
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 SB-71SRE

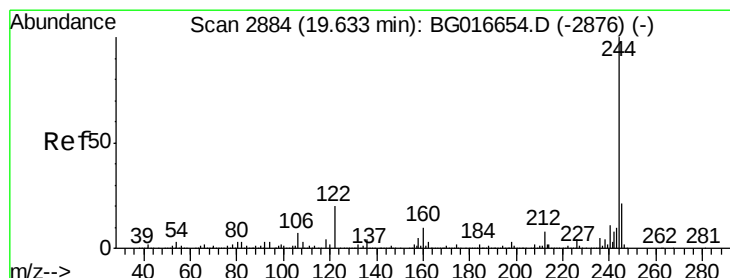
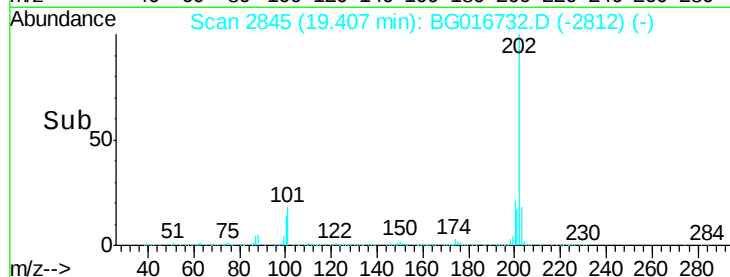
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.0	27.0
203	18.4	14.9	22.3



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

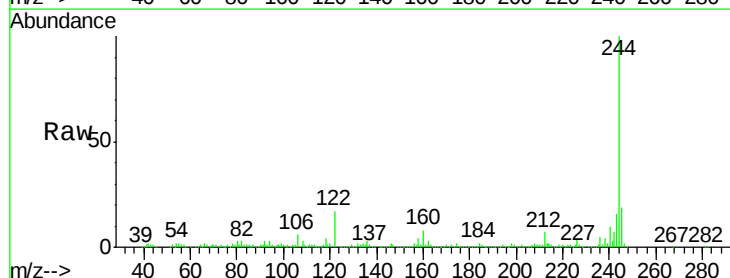


Time--> 19.30 19.40 19.50

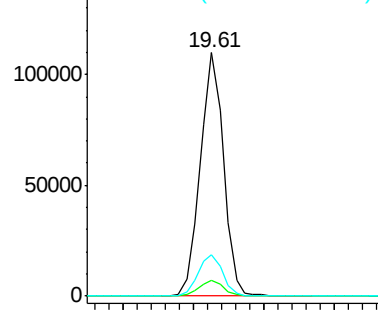


#78
 Terphenyl-d14
 Concen: 4.66 ng
 RT: 19.61 min Scan# 2880
 Delta R.T. -0.00 min
 Lab File: BG016732.D
 Acq: 27 Apr 2015 12:35

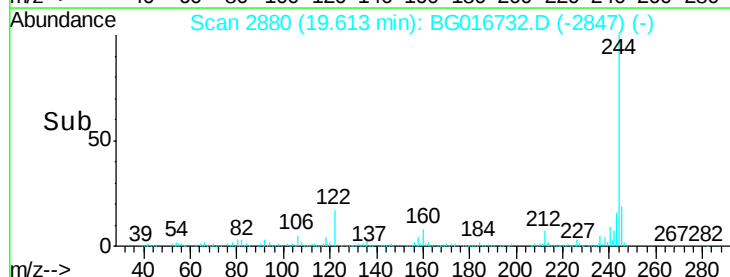
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.4	9.6
122	17.1	15.9	23.9

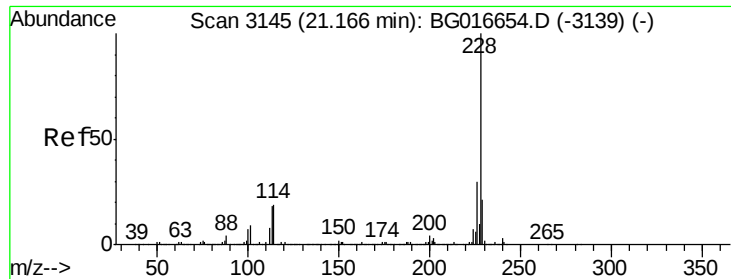


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time--> 19.55 19.60 19.65 19.70





#80

Benzo(a)anthracene

Concen: 2.06 ng

RT: 21.15 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

Instrument :

BNA_G

ClientSampleId :

SB-71SRE

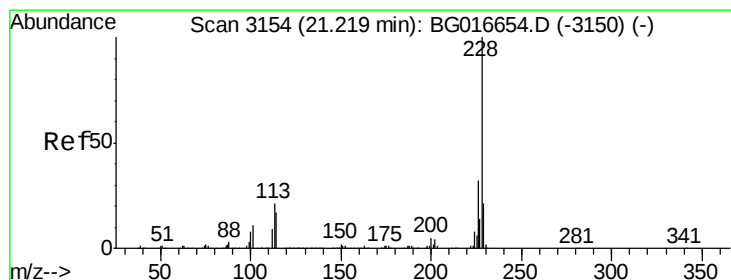
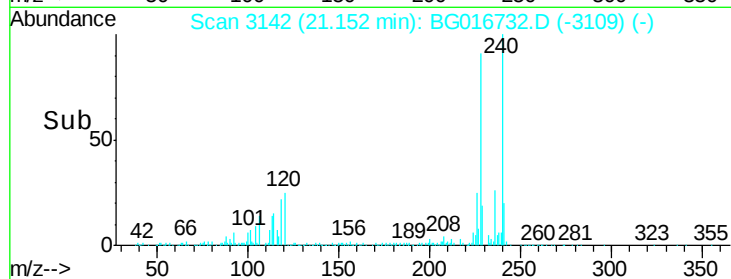
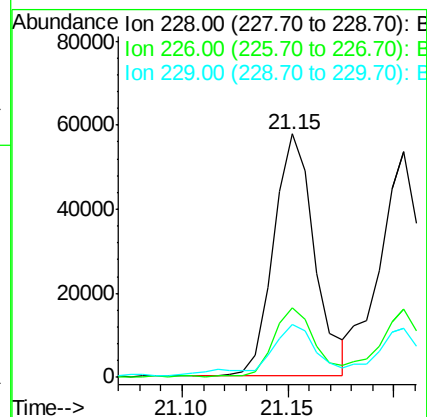
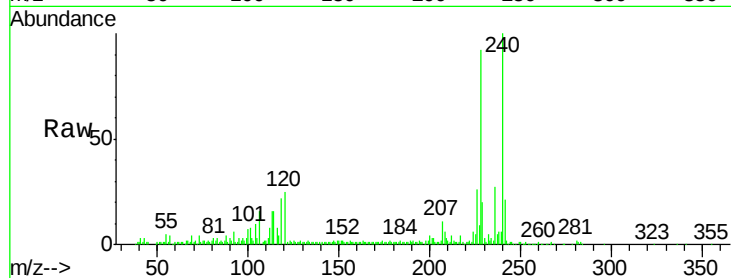
Tgt Ion:228 Resp: 77678

Ion Ratio Lower Upper

228 100

226 28.7 23.8 35.6

229 21.5 17.0 25.4



#82

Chrysene

Concen: 2.00 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG016732.D

Acq: 27 Apr 2015 12:35

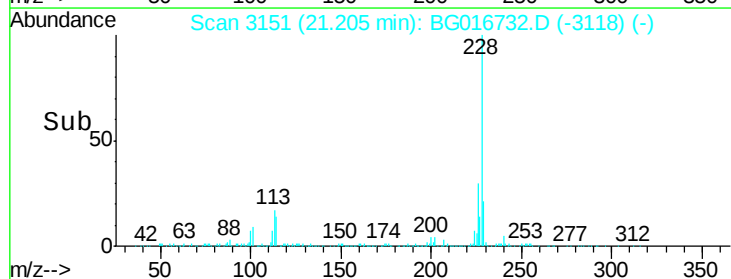
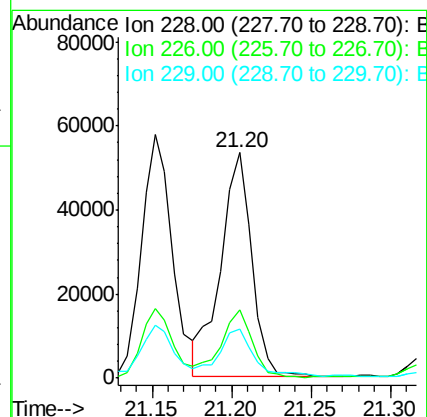
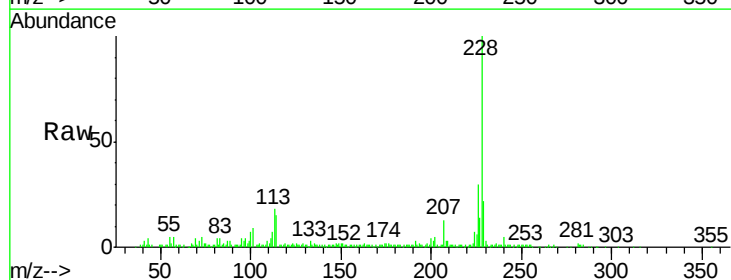
Tgt Ion:228 Resp: 72519

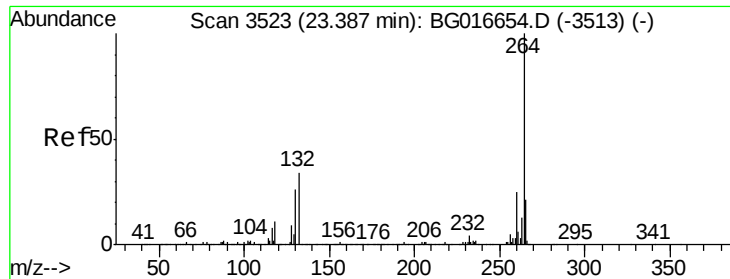
Ion Ratio Lower Upper

228 100

226 30.4 25.4 38.0

229 21.9 16.5 24.7

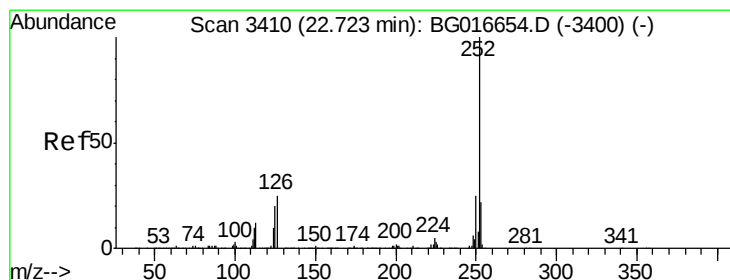
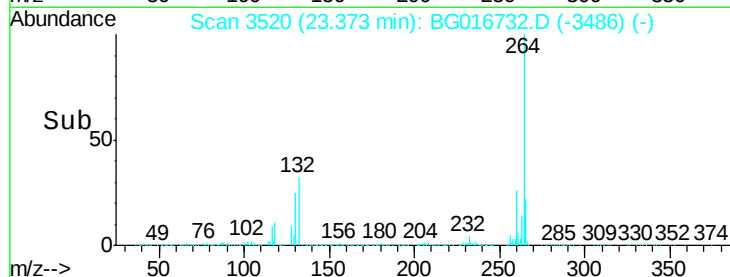
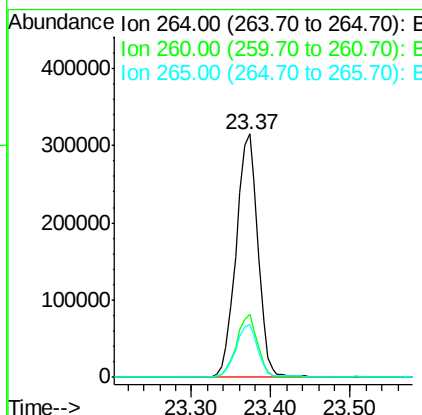
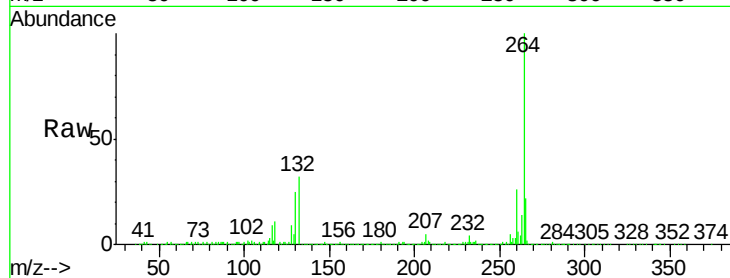




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.37 min Scan# 3520
Delta R.T. 0.00 min
Lab File: BG016732.D
Acq: 27 Apr 2015 12:35

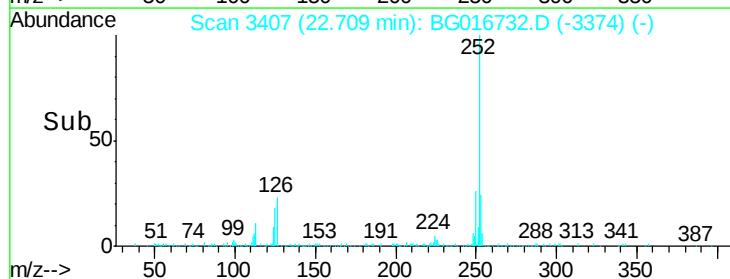
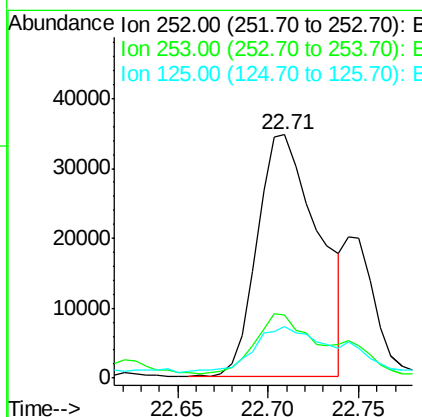
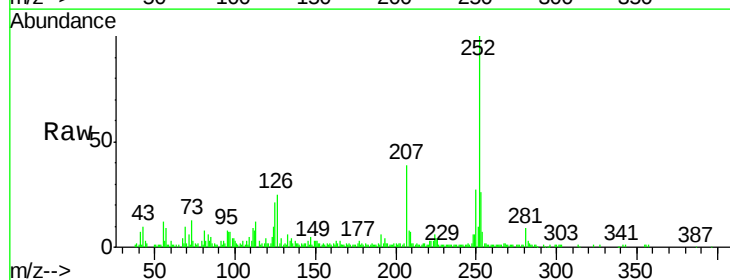
Instrument :
BNA_G
ClientSampleId :
SB-71SRE

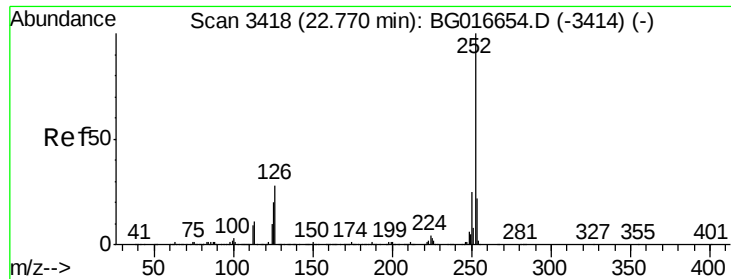
Tgt Ion:264 Resp: 596940
Ion Ratio Lower Upper
264 100
260 25.9 20.0 30.0
265 21.9 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 2.24 ng
RT: 22.71 min Scan# 3407
Delta R.T. -0.00 min
Lab File: BG016732.D
Acq: 27 Apr 2015 12:35

Tgt Ion:252 Resp: 81195
Ion Ratio Lower Upper
252 100
253 26.1 17.9 26.9
125 21.3 15.8 23.8





#88
 Benzo(k)fluoranthene
 Concen: 2.29 ng
 RT: 22.71 min Scan# 3407
 Delta R.T. -0.05 min
 Lab File: BG016732.D
 Acq: 27 Apr 2015 12:35

Instrument :
 BNA_G
 ClientSampleId :
 SB-71SRE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.6	26.4
125	21.3	15.5	23.3

