

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 01:13:45 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

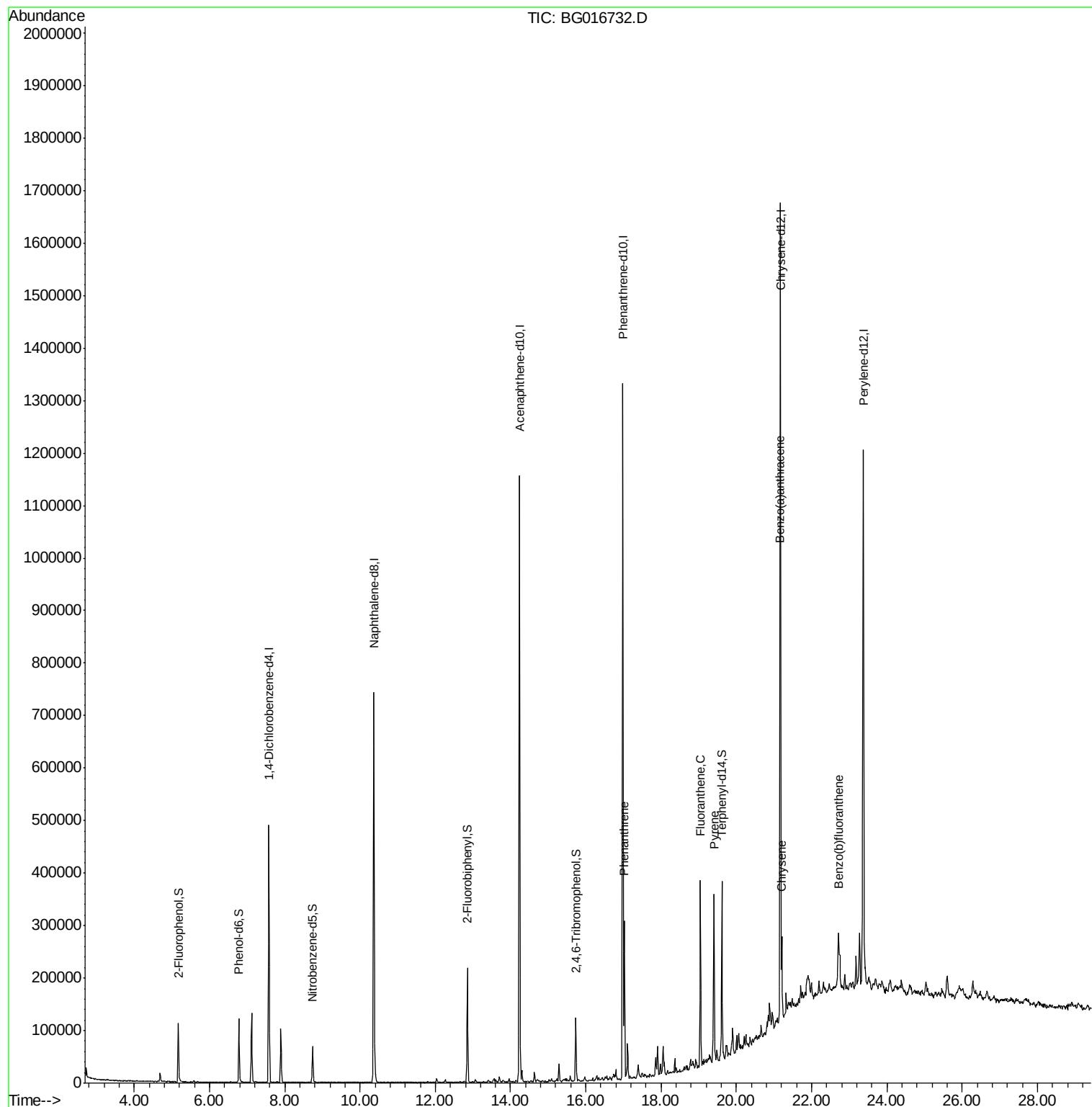
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	138623	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	634084	20.00	ng	0.00
38) Acenaphthene-d10	14.24	164	381531	20.00	ng	0.00
63) Phenanthrene-d10	16.98	188	715004	20.00	ng	0.00
75) Chrysene-d12	21.17	240	622439	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

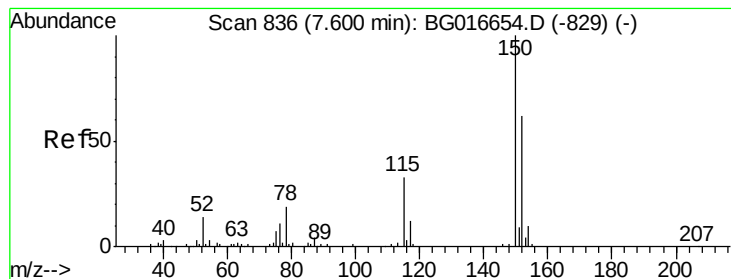
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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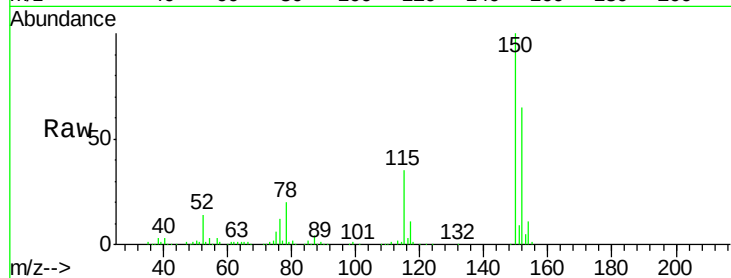


#1

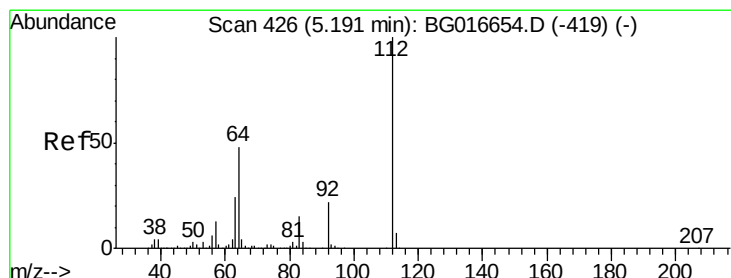
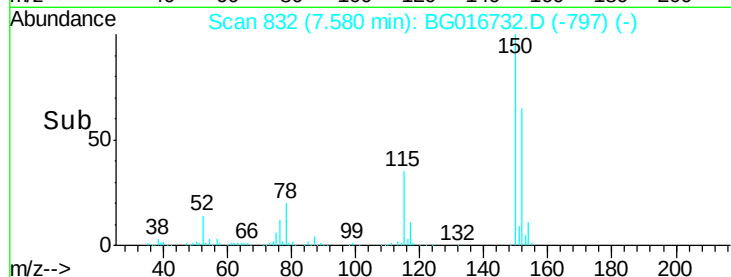
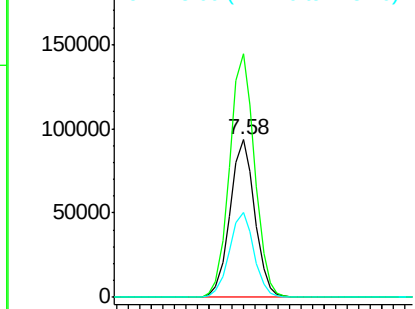
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.58 min Scan# 832
Delta R.T. 0.01 min
Lab File: BG016732.D
Acq: 27 Apr 2015 12:35

Instrument :
BNA_G
ClientSampleId :
SB-71SRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	129.6	194.4
115	53.6	43.0	64.6



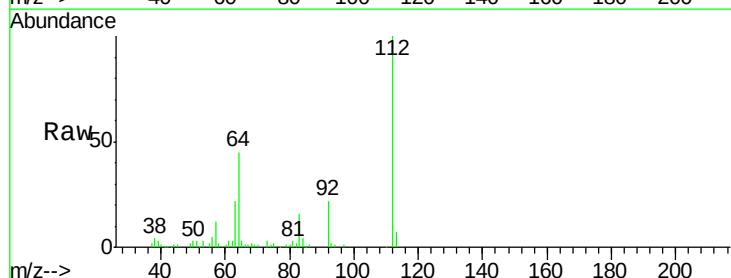
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



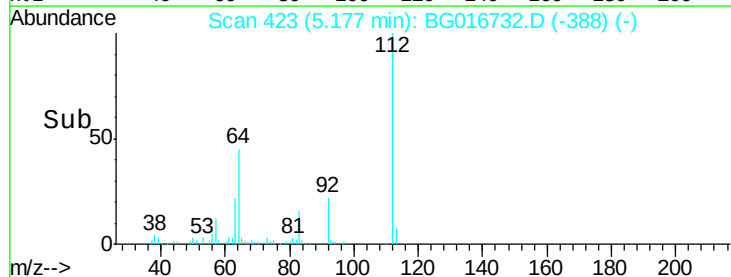
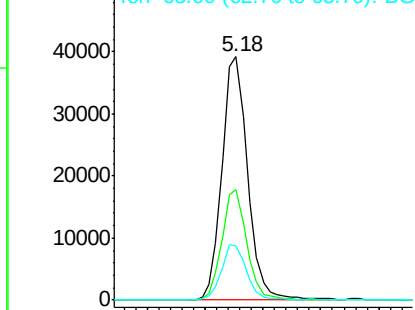
#5

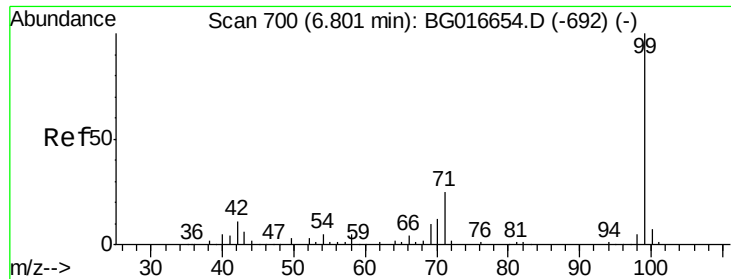
2-Fluorophenol
Concen: 7.10 ng
RT: 5.18 min Scan# 423
Delta R.T. 0.01 min
Lab File: BG016732.D
Acq: 27 Apr 2015 12:35

Tgt Ion	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): BG
Ion 63.00 (62.70 to 63.70): BG





#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

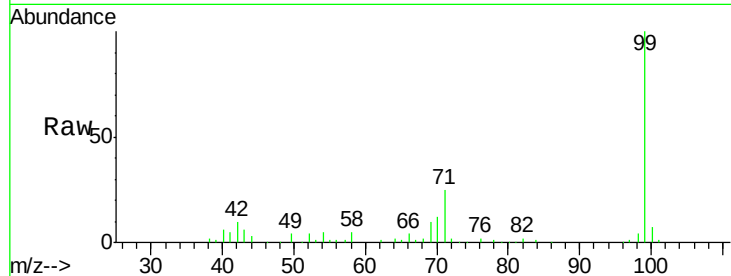
Tot Ion: 99 Resp: 88240

Ion Ratio Lower Upper

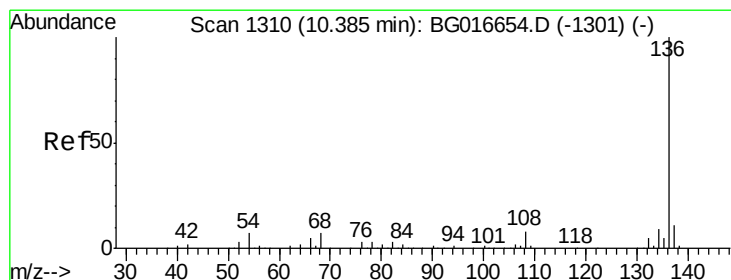
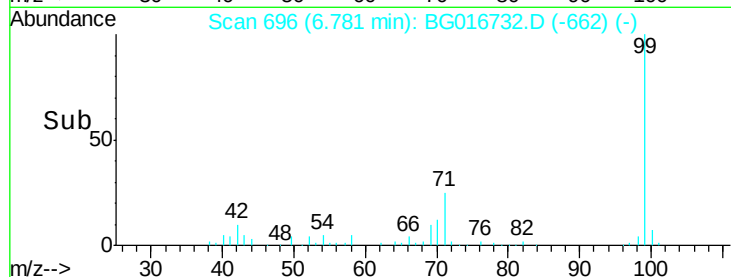
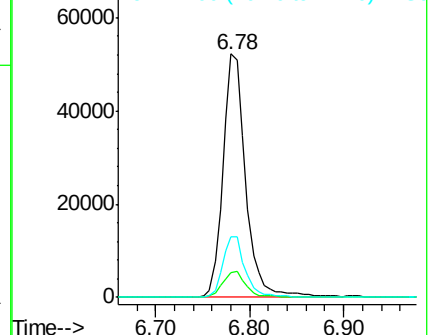
99 100

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

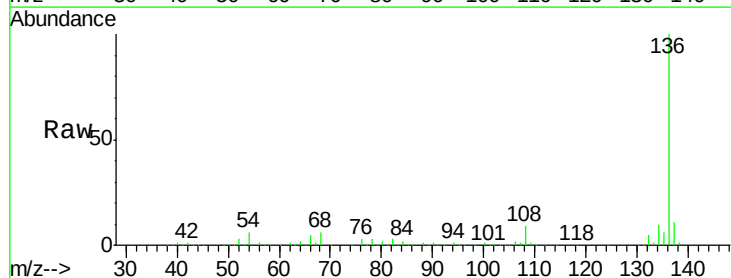
Ion Ratio Lower Upper

136 100

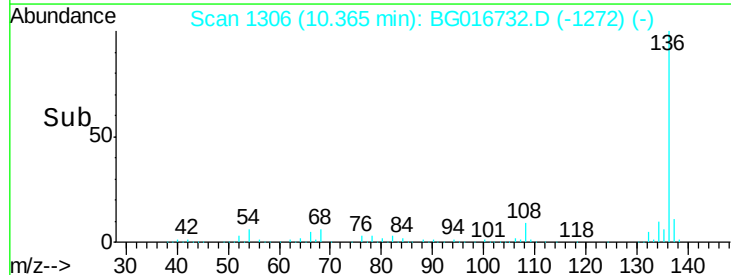
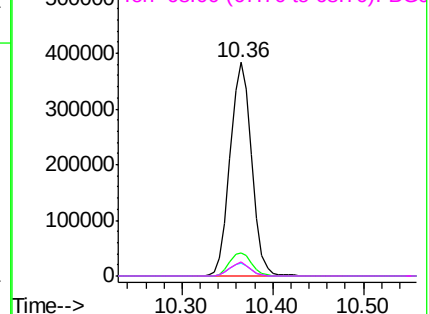
137 11.0 8.5 12.7

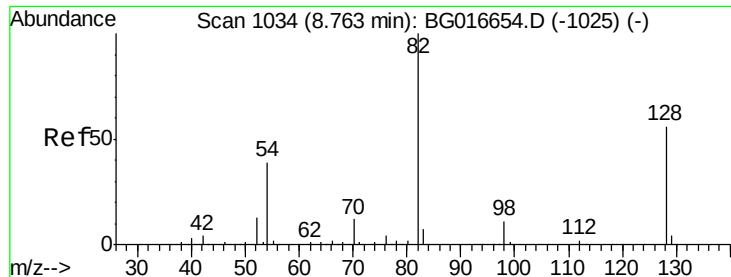
54 5.8 5.4 8.2

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

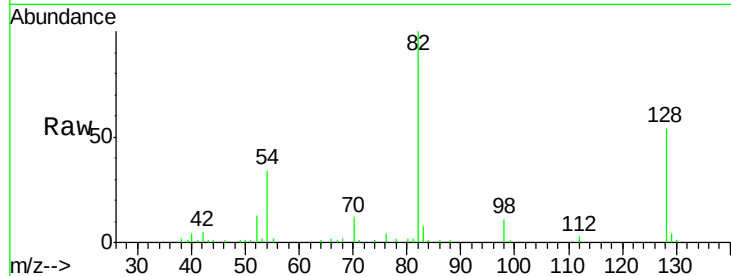




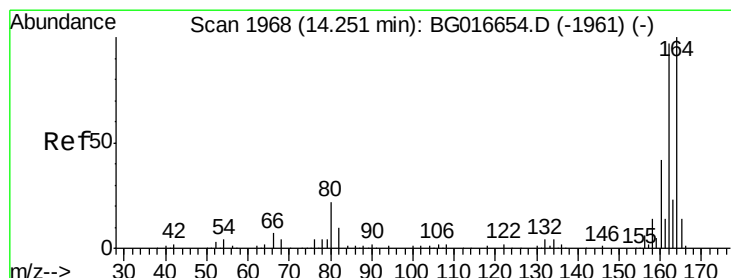
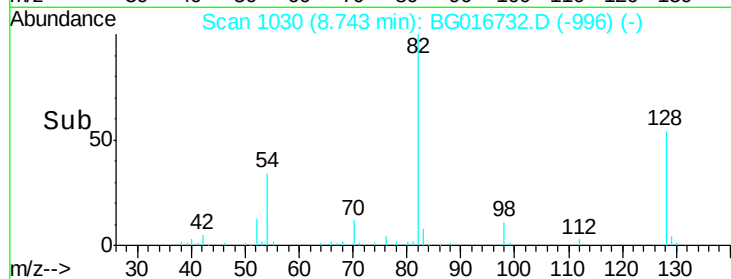
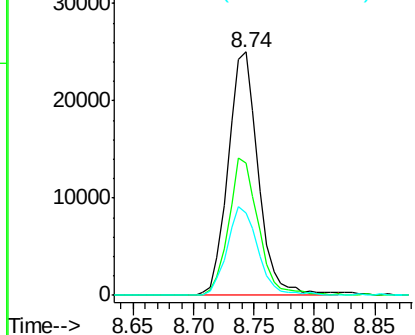
#23
 Nitrobenzene-d5
 Concen: 4.34 ng
 RT: 8.74 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BG016732.D
 Acq: 27 Apr 2015 12:35

Instrument :
 BNA_G
 ClientSampleId :
 SB-71SRE

Tot Ion	82	Resp	43547
Ion Ratio	Lower	Upper	
82	100		
128	54.3	44.7	67.1
54	33.9	30.9	46.3

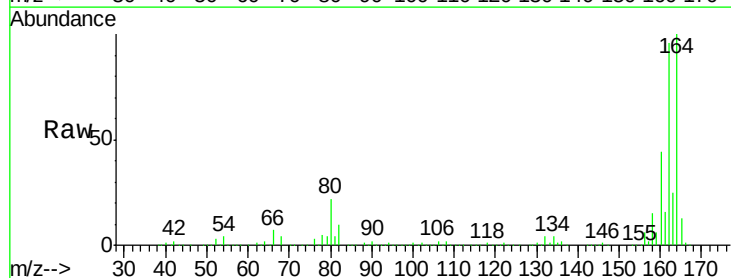


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

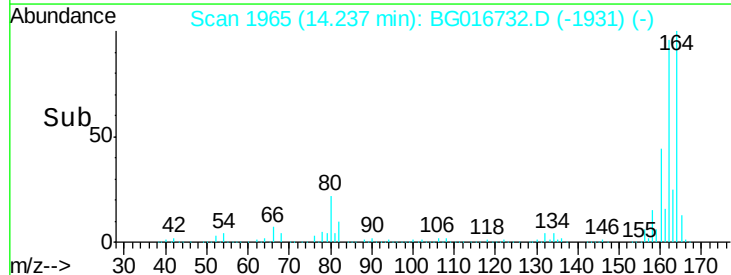
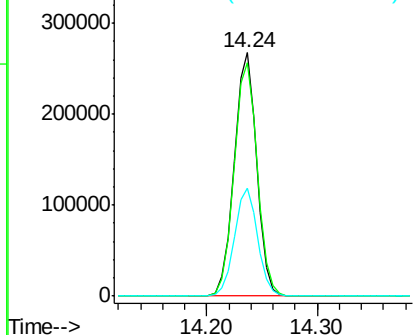


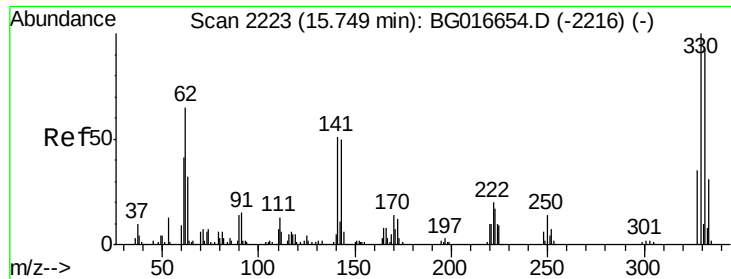
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.24 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: BG016732.D
 Acq: 27 Apr 2015 12:35

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

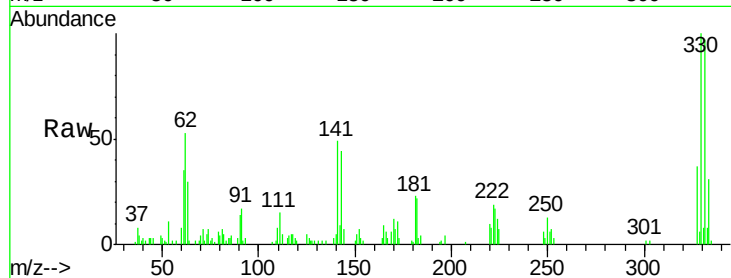




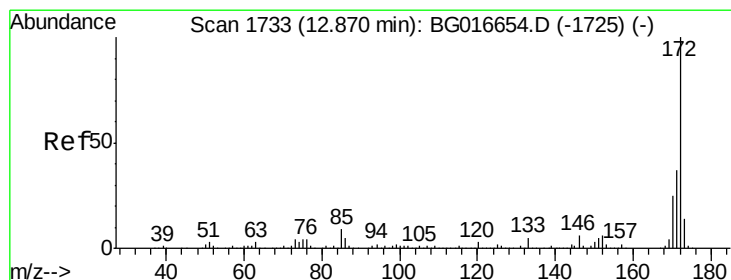
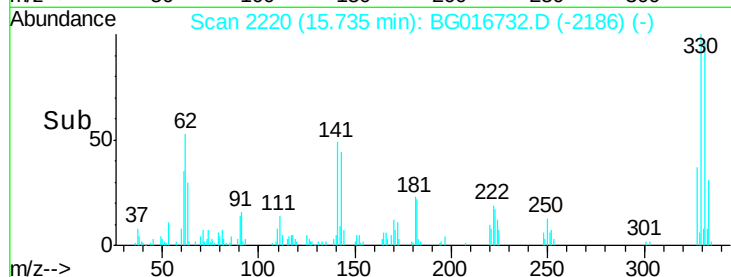
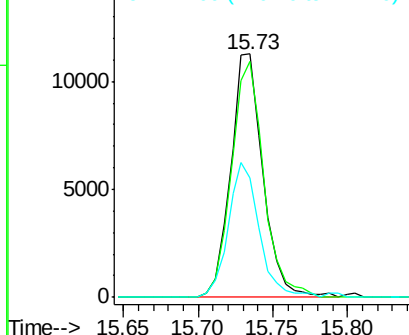
#41
 2,4,6-Tribromophenol
 Concen: 6.04 ng
 RT: 15.73 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: BG016732.D
 Acq: 27 Apr 2015 12:35

Instrument :
 BNA_G
 ClientSampleId :
 SB-71SRE

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

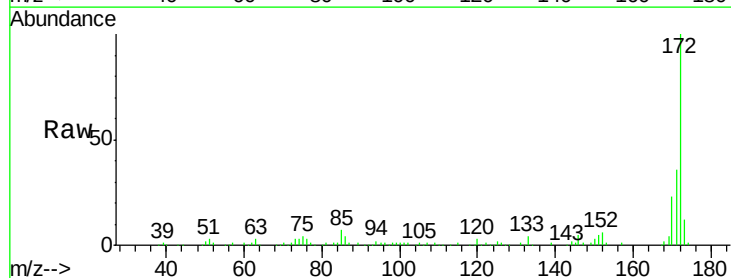


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

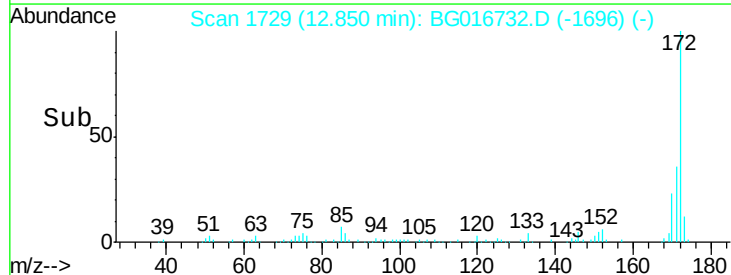
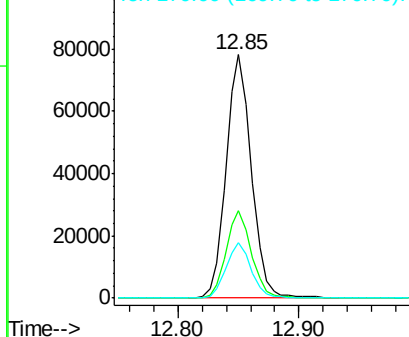


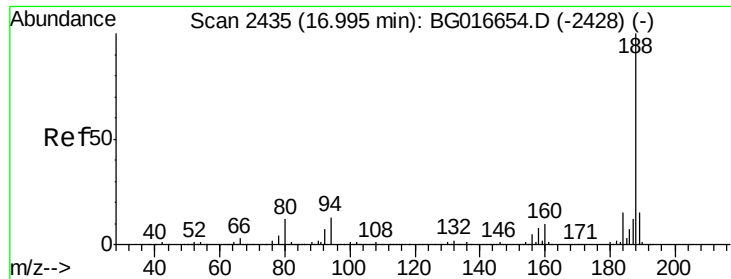
#44
 2-Fluorobiphenyl
 Concen: 4.76 ng
 RT: 12.85 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG016732.D
 Acq: 27 Apr 2015 12:35

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



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

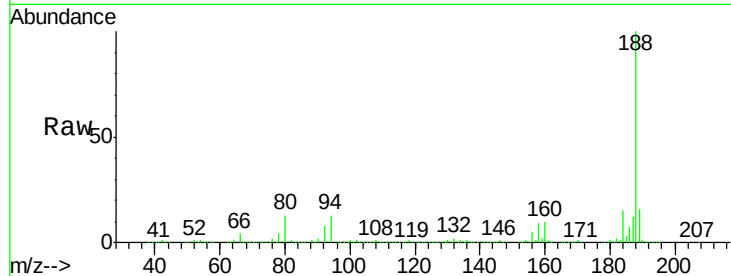




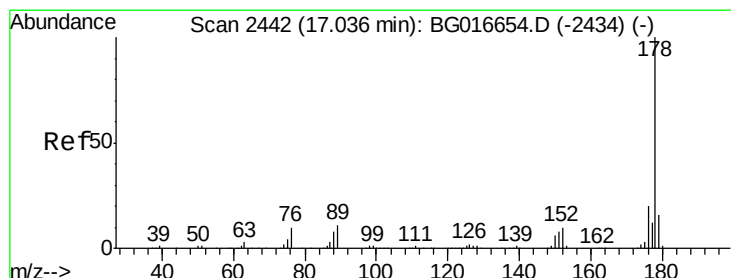
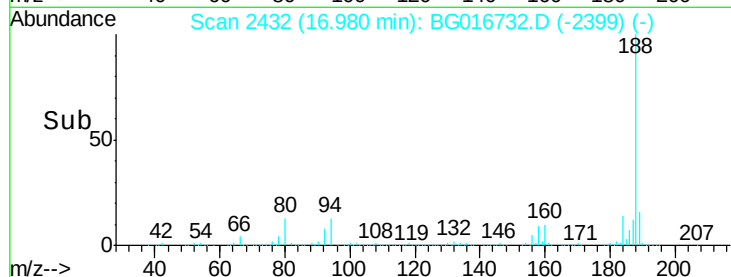
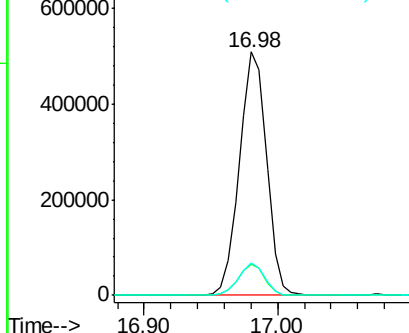
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.98 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BG016732.D
Acq: 27 Apr 2015 12:35

Instrument :
BNA_G
ClientSampleId :
SB-71SRE

Tot Ion:188 Resp: 715004
Ion Ratio Lower Upper
188 100
94 12.9 10.7 16.1
80 13.1 9.9 14.9

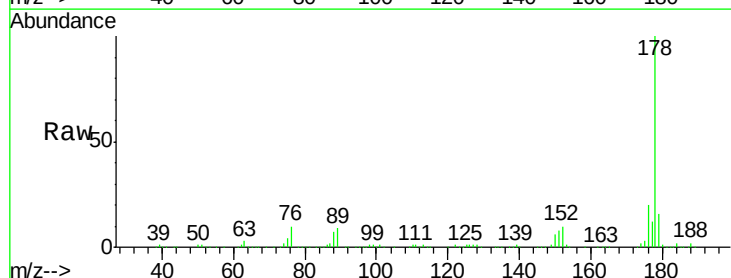


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

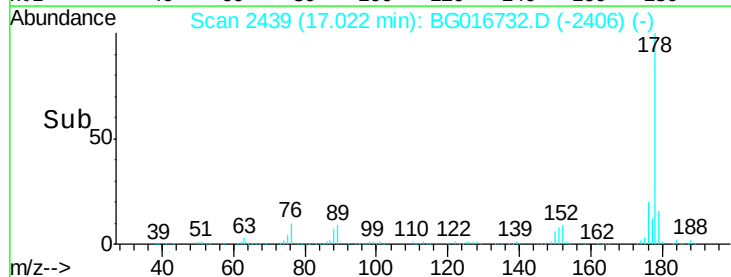
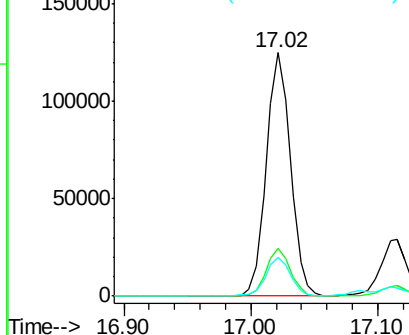


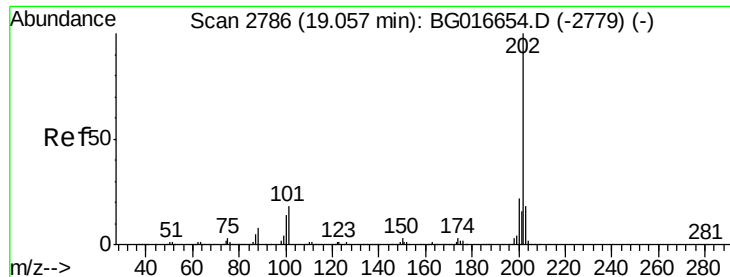
#70
Phenanthrene
Concen: 4.05 ng
RT: 17.02 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG016732.D
Acq: 27 Apr 2015 12:35

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

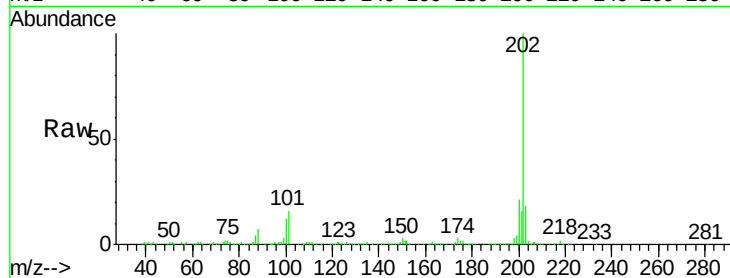
Tot Ion:202 Resp: 189038

Ion Ratio Lower Upper

202 100

101 16.3 0.0 38.1

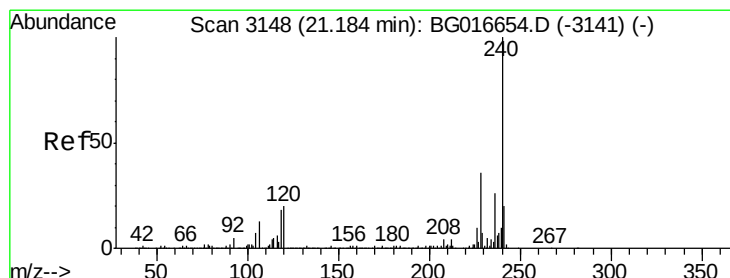
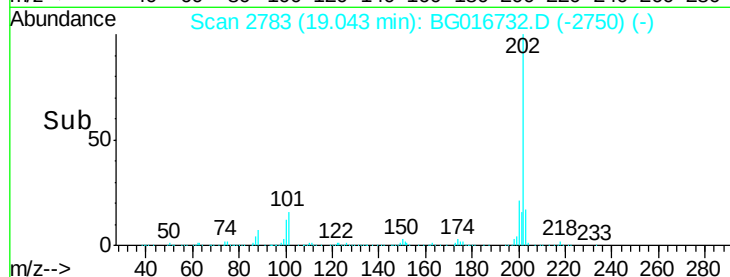
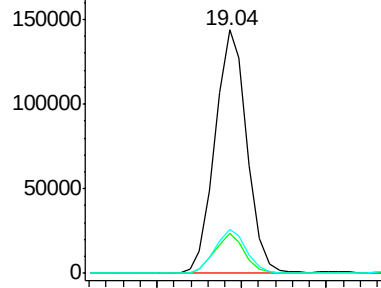
203 17.9 0.0 38.4



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



#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

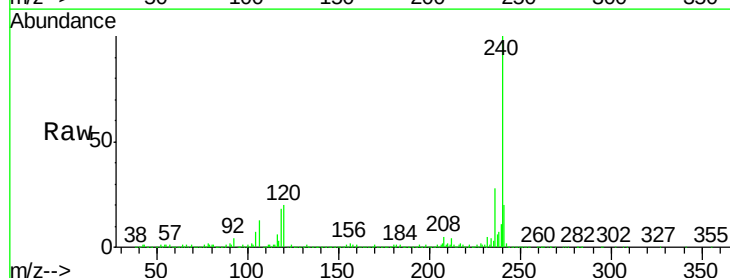
Tgt Ion:240 Resp: 622439

Ion Ratio Lower Upper

240 100

120 20.3 16.3 24.5

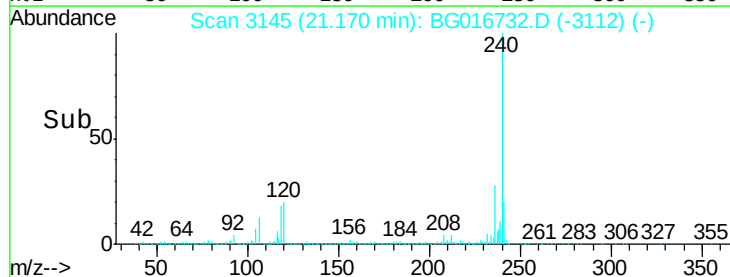
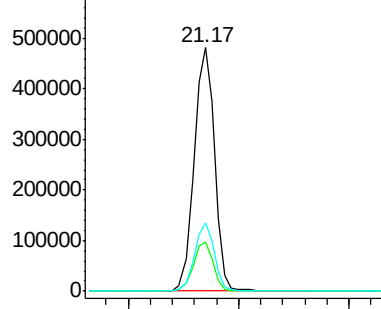
236 27.8 21.1 31.7

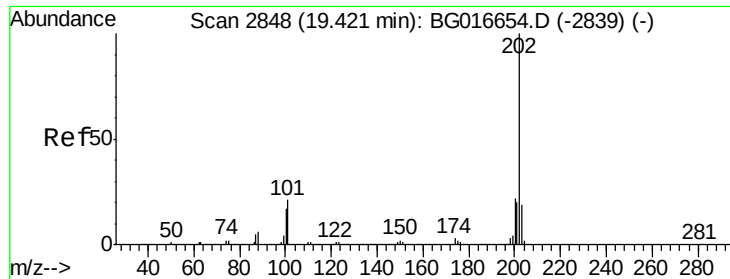


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

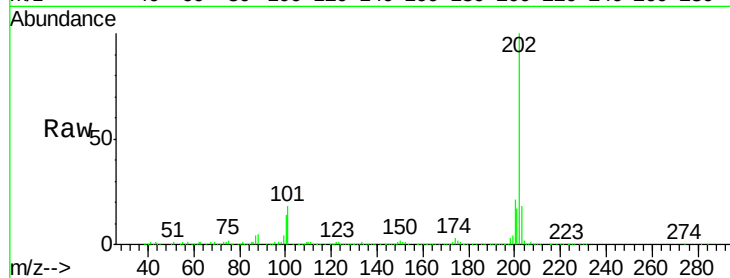




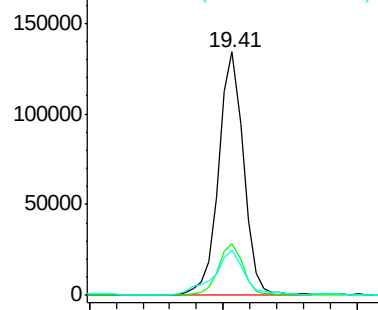
#77
Pvrene
Concen: 3.91 ng
RT: 19.41 min Scan# 2845
Delta R.T. -0.00 min
Lab File: BG016732.D
Acq: 27 Apr 2015 12:35

Instrument :
BNA_G
ClientSampleId :
SB-71SRE

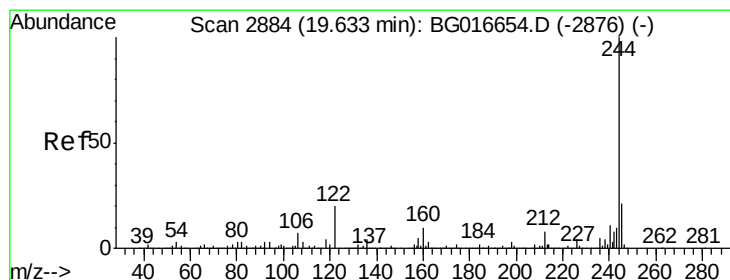
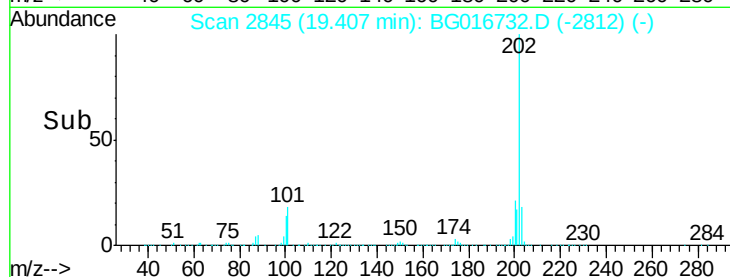
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.0	27.0
203	18.4	14.9	22.3



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

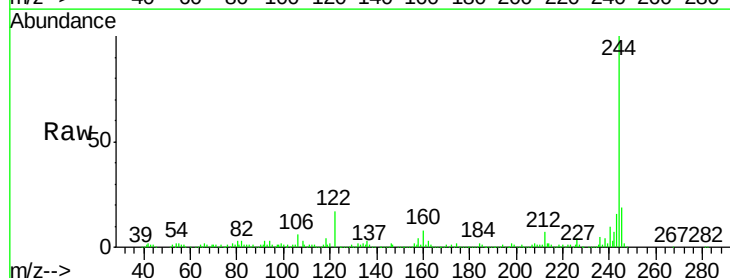


Time--> 19.30 19.40 19.50

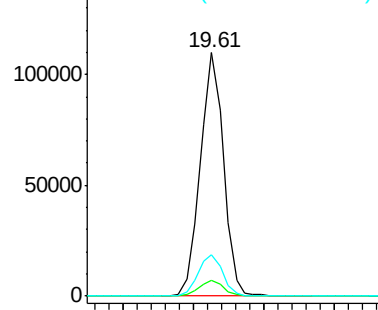


#78
Terphenyl-d14
Concen: 4.66 ng
RT: 19.61 min Scan# 2880
Delta R.T. -0.00 min
Lab File: BG016732.D
Acq: 27 Apr 2015 12:35

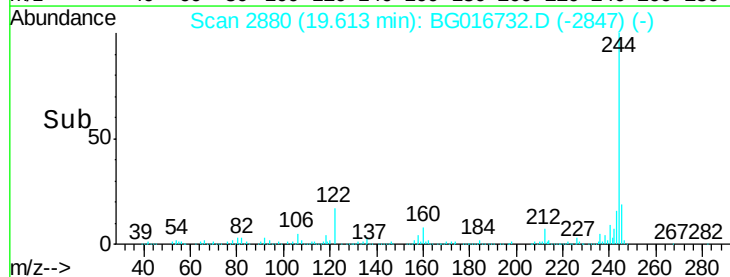
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.4	9.6
122	17.1	15.9	23.9

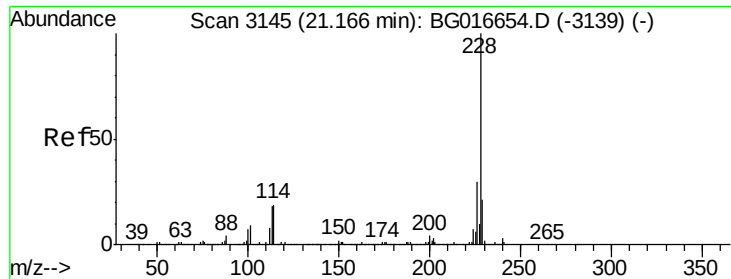


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 19.55 19.60 19.65 19.70

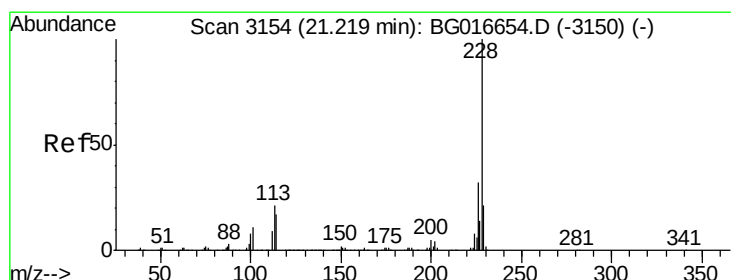
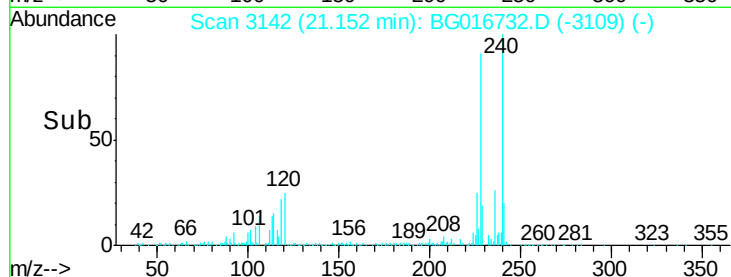
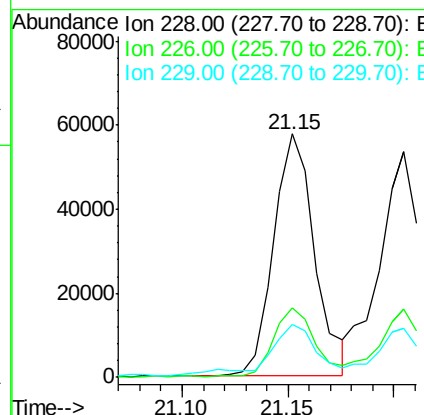
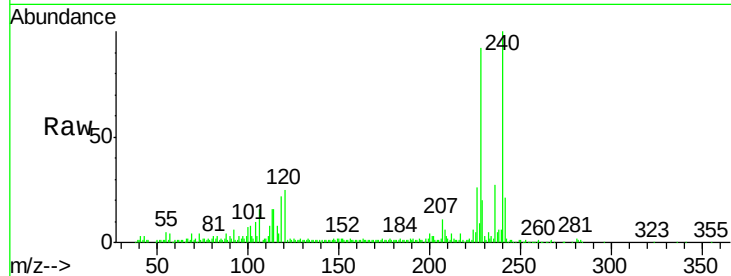




#80
Benzo(a)anthracene
Concen: 2.06 ng
RT: 21.15 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG016732.D
Acq: 27 Apr 2015 12:35

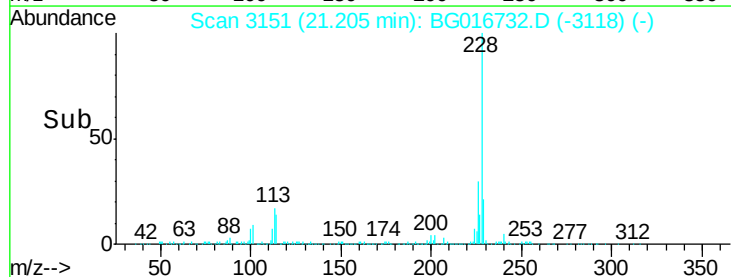
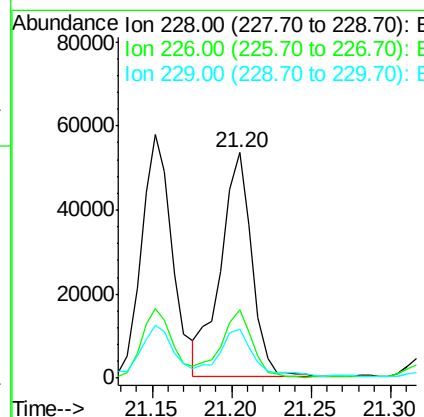
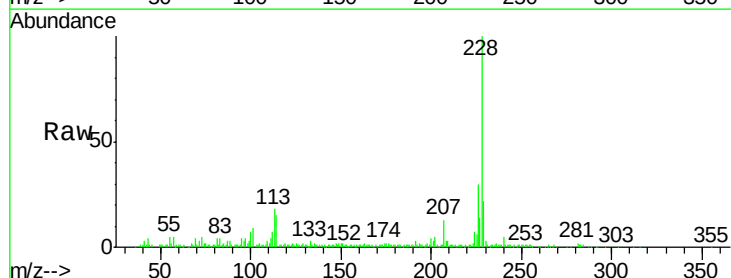
Instrument :
BNA_G
ClientSampleId :
SB-71SRE

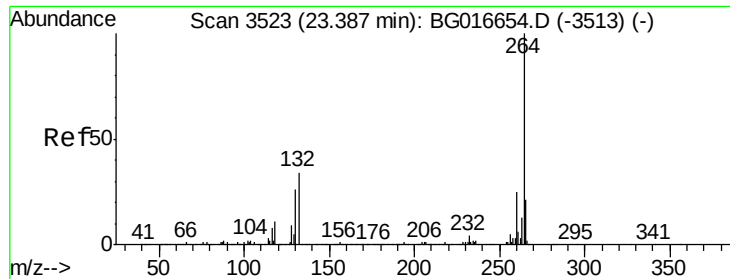
Tot Ion:228 Resp: 77678
Ion Ratio Lower Upper
228 100
226 28.7 23.8 35.6
229 21.5 17.0 25.4



#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

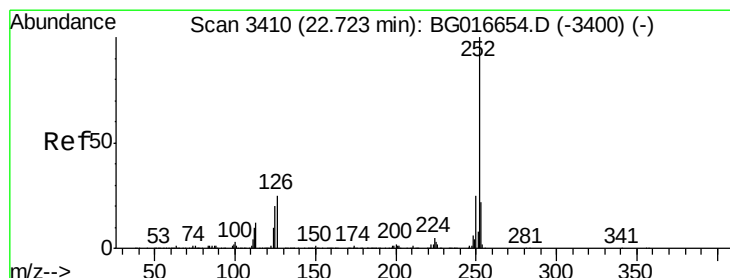
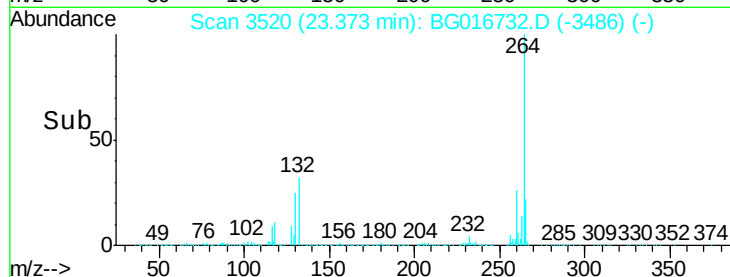
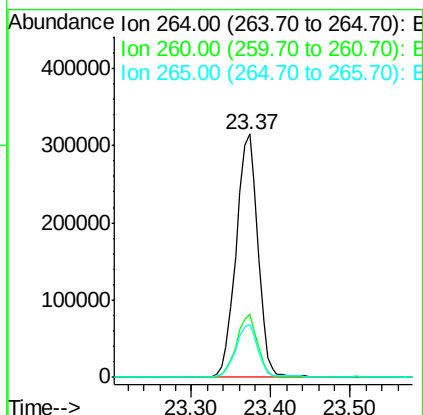
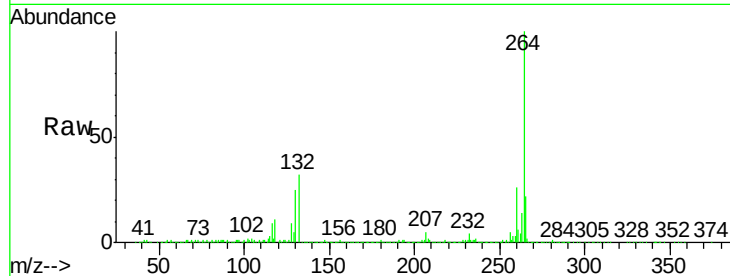




#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.37 min Scan# 3520
Delta R.T. 0.00 min
Lab File: BG016732.D
Acq: 27 Apr 2015 12:35

Instrument :
BNA_G
ClientSampleId :
SB-71SRE

Tot 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	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	21.3	15.8	23.8

