

Data Path : V:\HPCHEM1\BNA G\DATA\BG070916\
 Data File : BG022946.D
 Acq On : 9 Jul 2016 1:25
 Operator : UM/SJ
 Sample : H3900-05
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-1

Quant Time: Jul 09 05:36:51 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 16:51:07 2016
 Response via : Initial Calibration

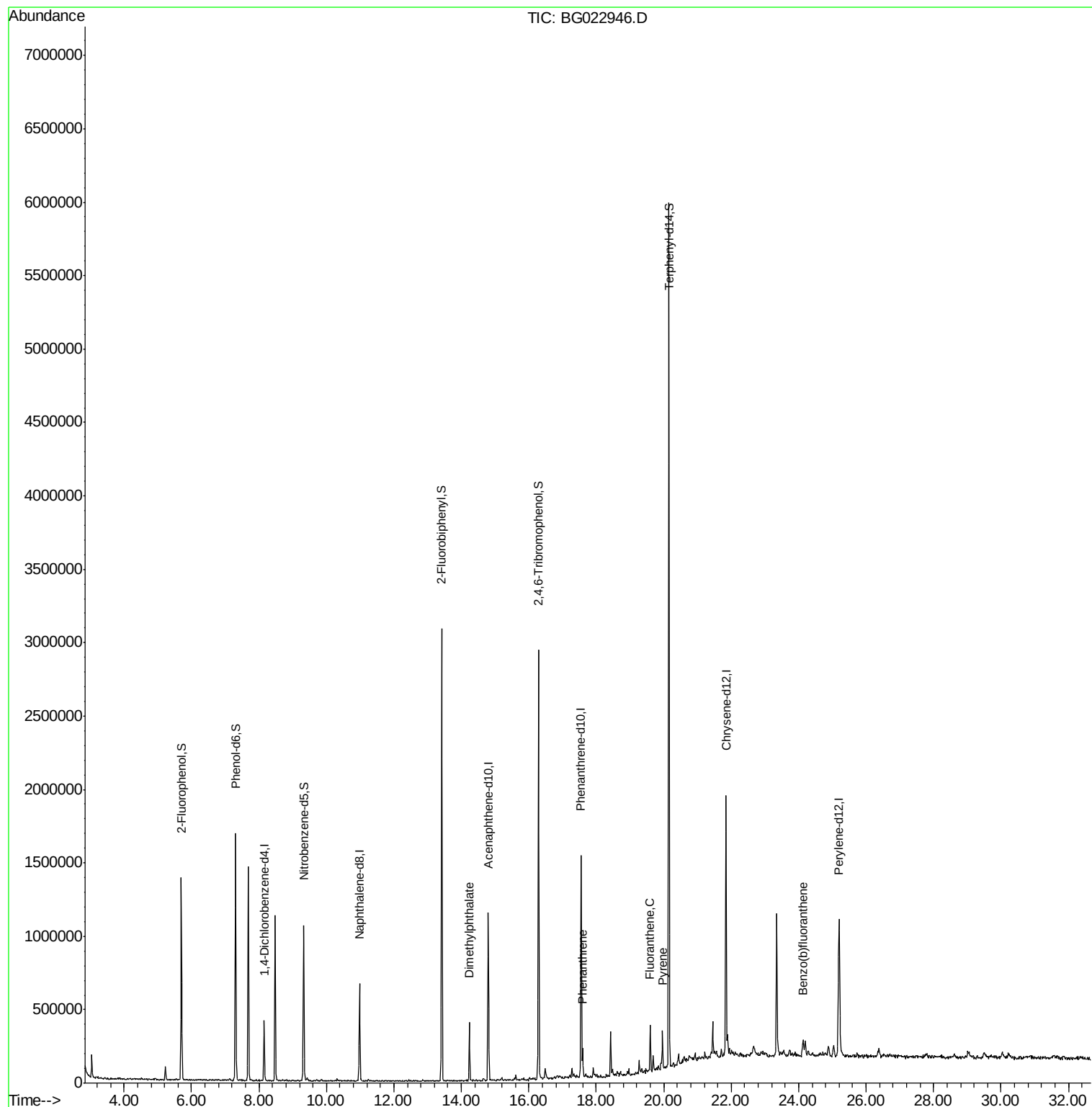
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	108860	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	515838	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	410460	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	945782	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1038923	20.00	ng	0.00
86) Perylene-d12	25.20	264	1064922	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	570875	85.77	ng	0.00
7) Phenol-d6	7.31	99	939234	90.09	ng	0.00
23) Nitrobenzene-d5	9.32	82	695231	57.71	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	552137	74.85	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1553619	59.62	ng	0.00
78) Terphenyl-d14	20.15	244	2314064	64.29	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.24	163	245837	7.33	ng	96
70) Phenanthrene	17.59	178	119830	2.59	ng	96
74) Fluoranthene	19.60	202	200306	3.52	ng	90
77) Pyrene	19.97	202	166695	2.86	ng	# 93
87) Benzo(b)fluoranthene	24.13	252	145980	2.38	ng	# 92

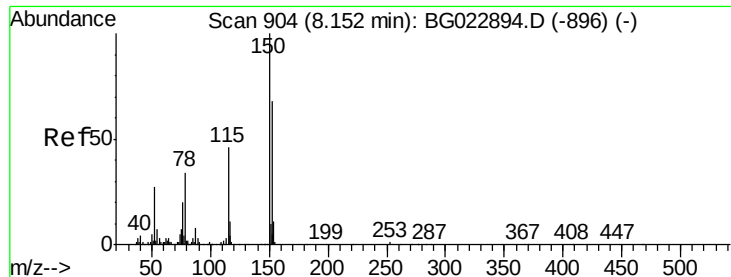
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 07 16:51:07 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 905

Delta R.T. 0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampleId :

P-1

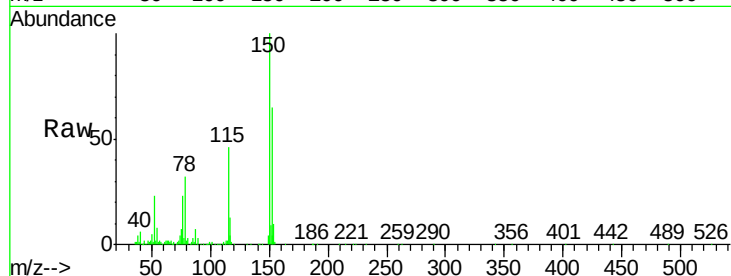
Tot Ion:152 Resp: 108860

Ion Ratio Lower Upper

152 100

150 154.3 144.7 217.1

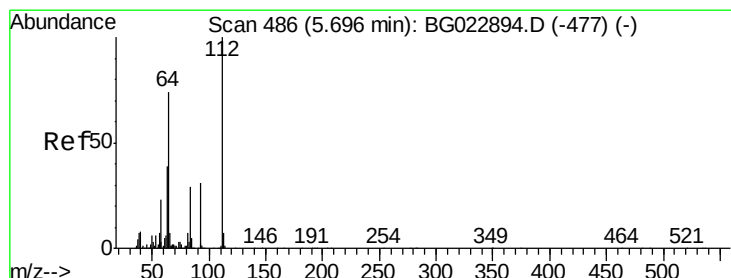
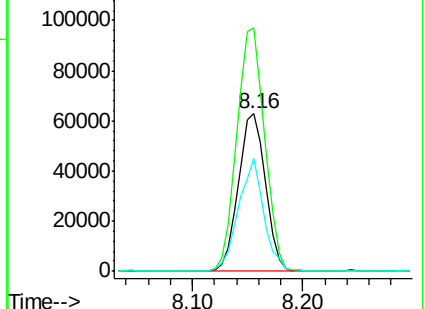
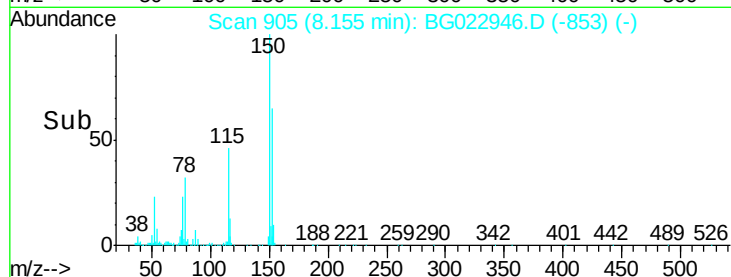
115 71.5 64.0 96.0



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: 85.77 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

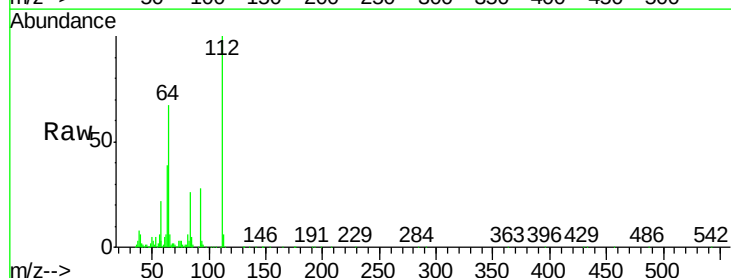
Tgt Ion:112 Resp: 570875

Ion Ratio Lower Upper

112 100

64 67.0 59.0 88.4

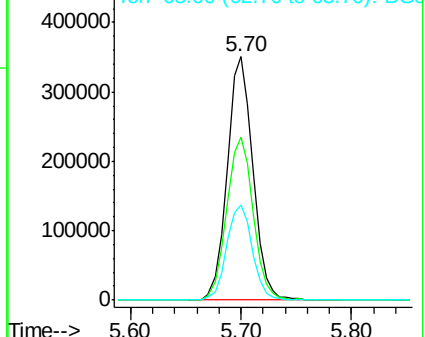
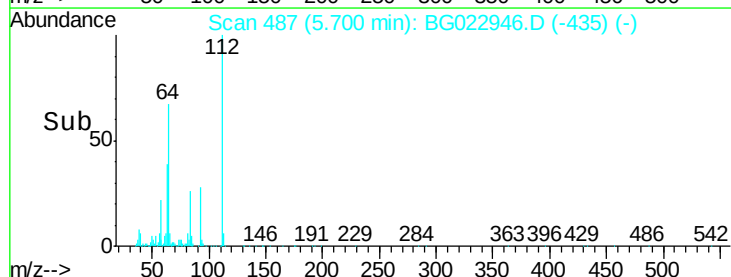
63 39.0 37.8 56.8

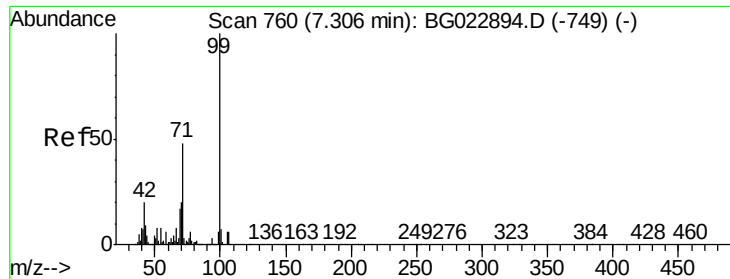


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 90.09 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampleId :

P-1

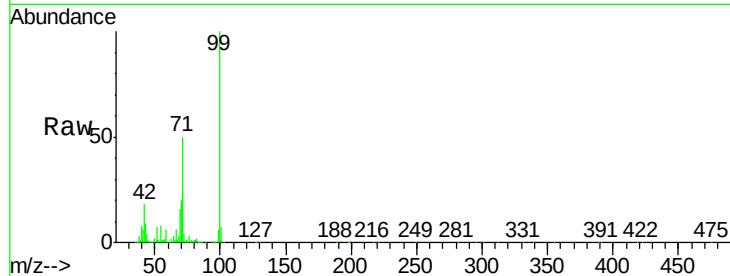
Tot Ion: 99 Resp: 939234

Ion Ratio Lower Upper

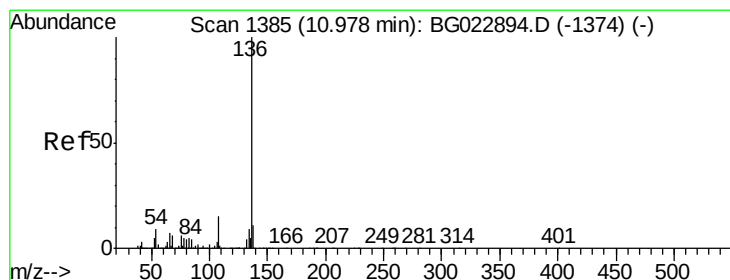
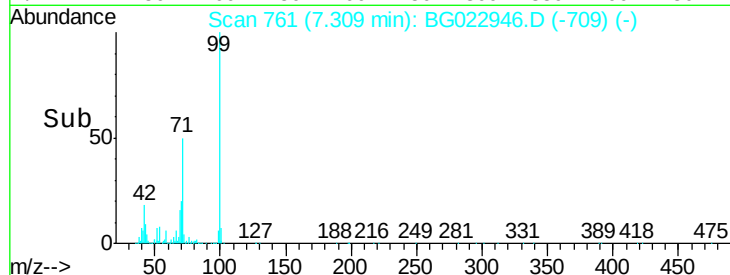
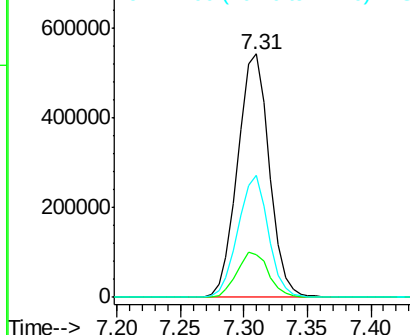
99 100

42 17.7 17.8 26.6#

71 50.0 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Tgt Ion:136 Resp: 515838

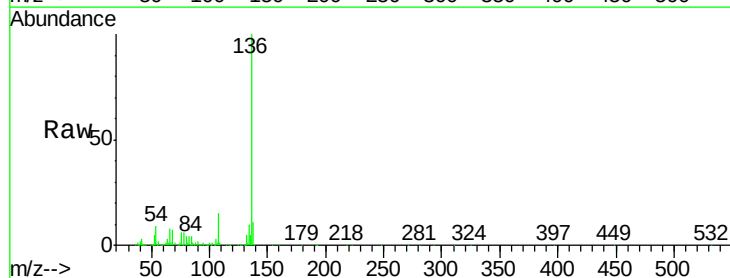
Ion Ratio Lower Upper

136 100

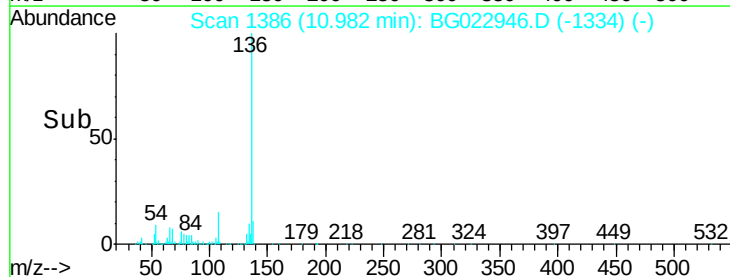
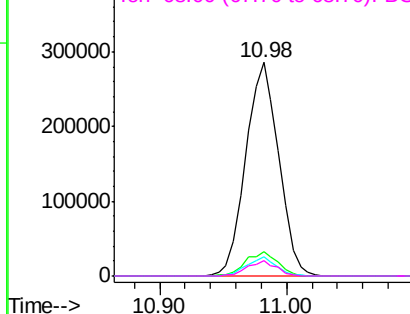
137 11.4 9.6 14.4

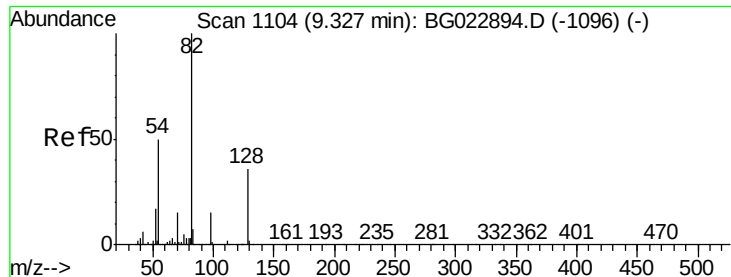
54 9.2 7.3 10.9

68 6.9 5.3 7.9



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

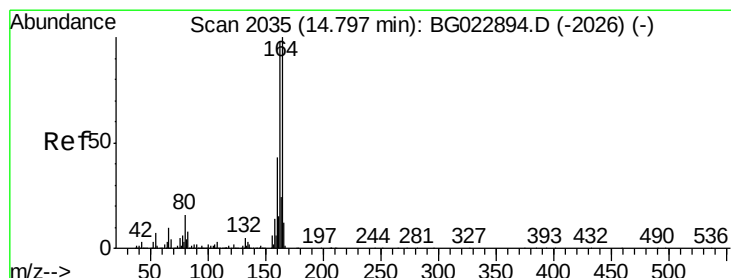
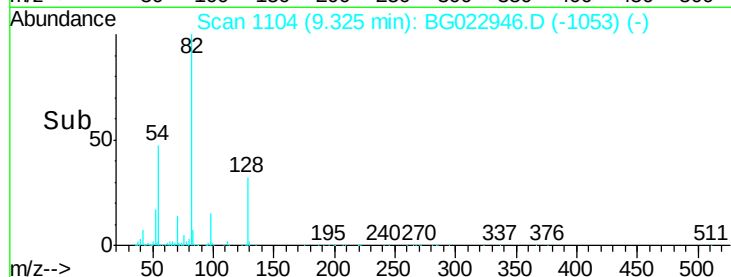
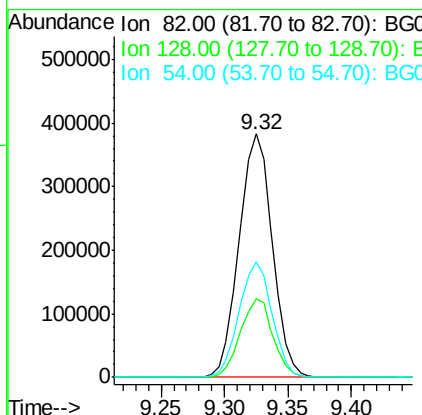
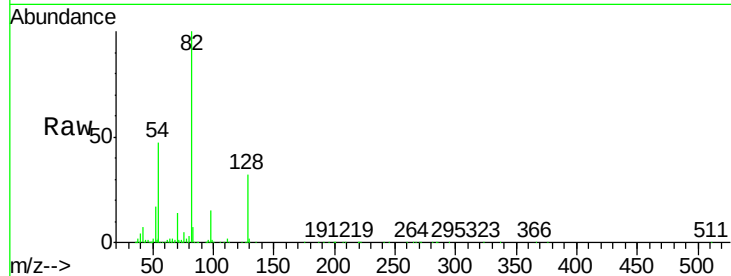




#23
 Nitrobenzene-d5
 Concen: 57.71 ng
 RT: 9.32 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: BG022946.D
 Acq: 9 Jul 2016 1:25

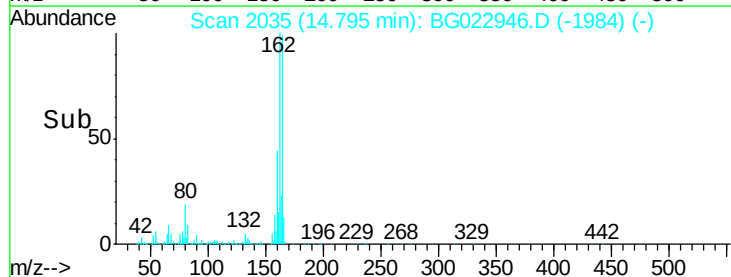
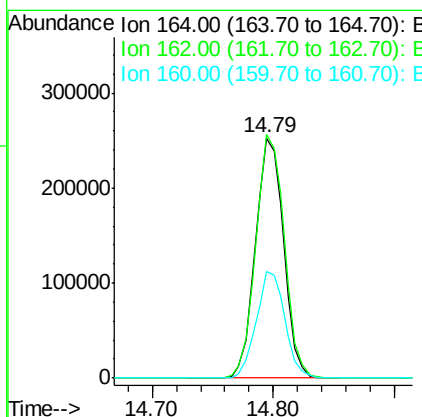
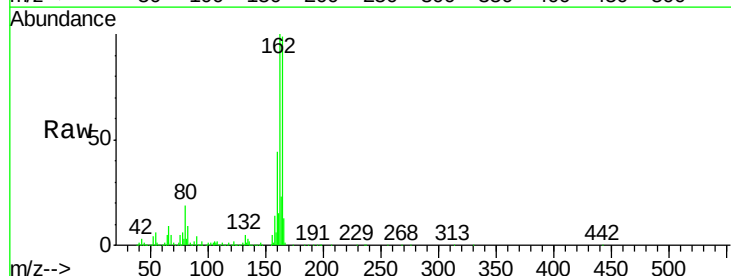
Instrument :
 BNA_G
 ClientSampleId :
 P-1

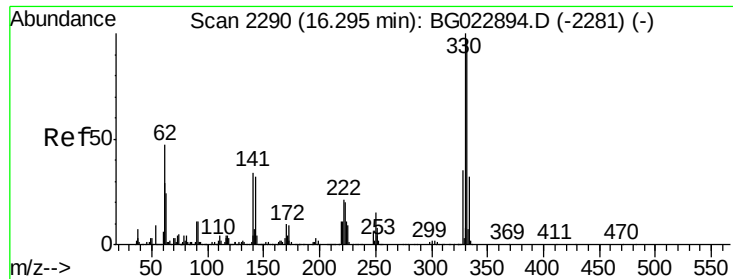
Tot Ion	82	Resp	695231
Ion	Ratio	Lower	Upper
82	100		
128	32.4	24.4	36.6
54	47.3	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.79 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BG022946.D
 Acq: 9 Jul 2016 1:25

Tgt Ion	164	Resp	410460
Ion	Ratio	Lower	Upper
164	100		
162	101.3	87.7	131.5
160	44.3	37.2	55.8

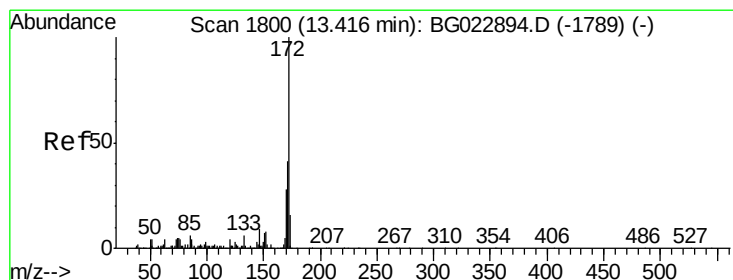
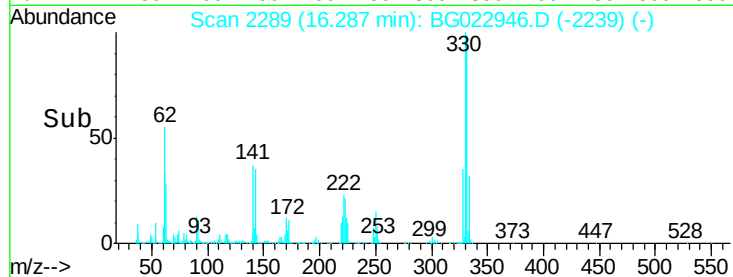
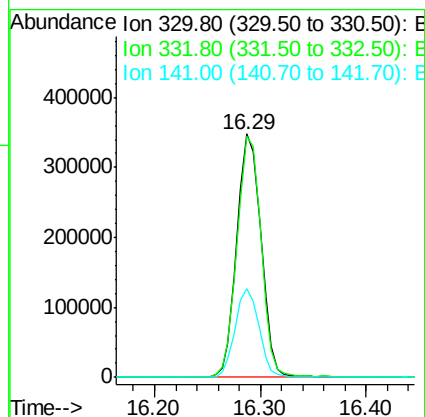
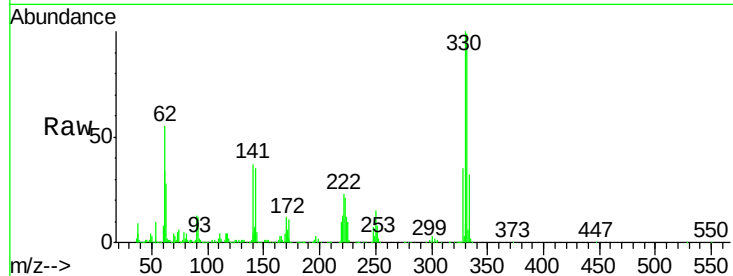




#41
2,4,6-Tribromophenol
Concen: 74.85 ng
RT: 16.29 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BG022946.D
Acq: 9 Jul 2016 1:25

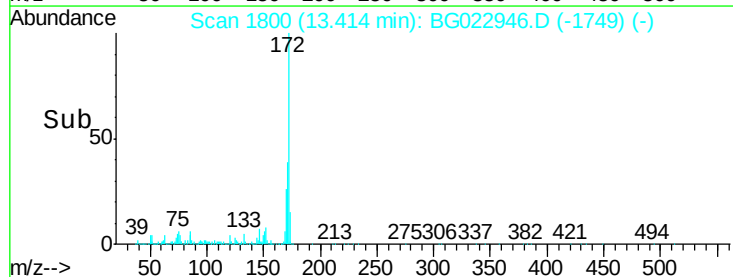
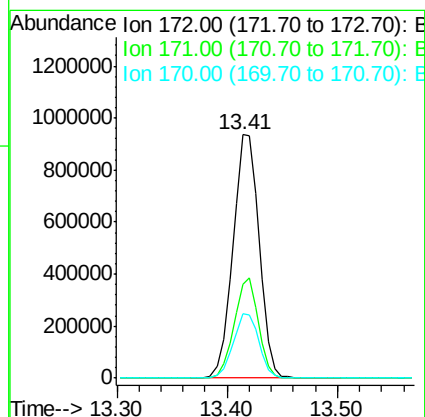
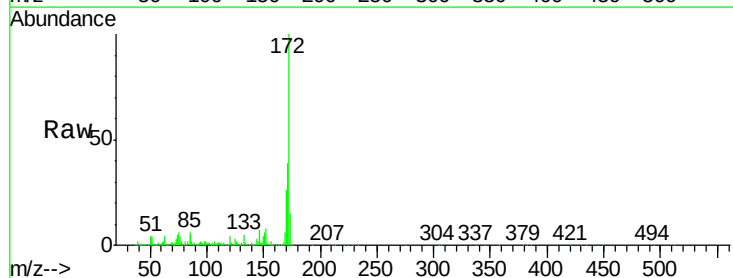
Instrument :
BNA_G
ClientSampleId :
P-1

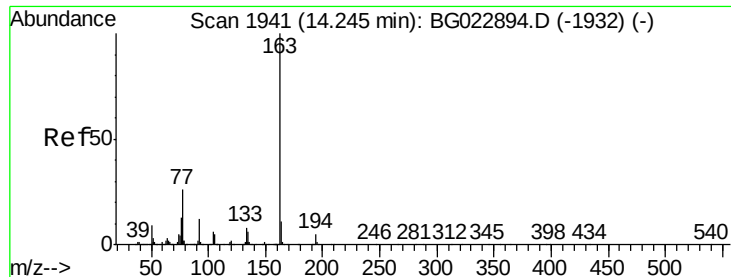
Tot Ion:330 Resp: 552137
Ion Ratio Lower Upper
330 100
332 98.0 77.4 116.2
141 35.9 31.7 47.5



#44
2-Fluorobiphenyl
Concen: 59.62 ng
RT: 13.41 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BG022946.D
Acq: 9 Jul 2016 1:25

Tgt Ion:172 Resp: 1553619
Ion Ratio Lower Upper
172 100
171 38.5 31.6 47.4
170 26.2 21.3 31.9





#49

Dimethylphthalate

Concen: 7.33 ng

RT: 14.24 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampleId :

P-1

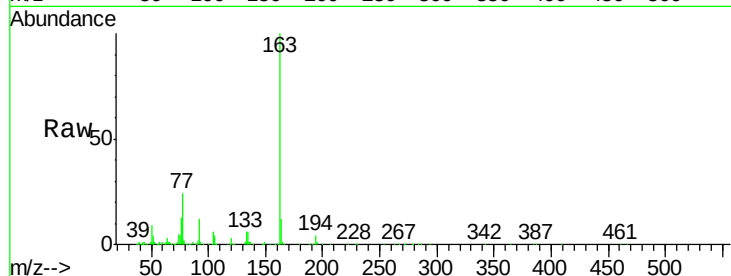
Tot Ion:163 Resp: 245837

Ion Ratio Lower Upper

163 100

194 3.9 3.6 5.4

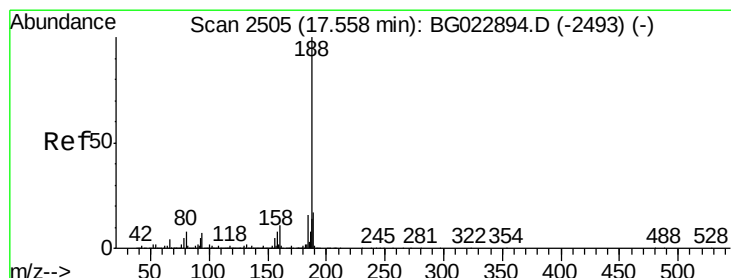
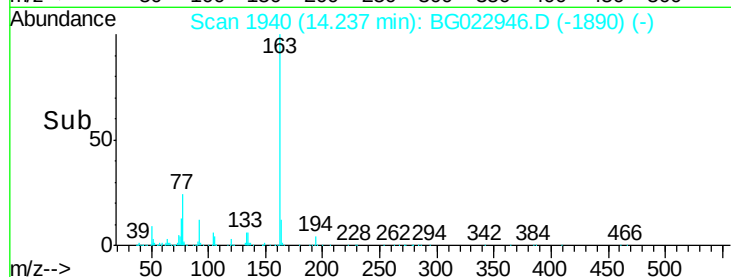
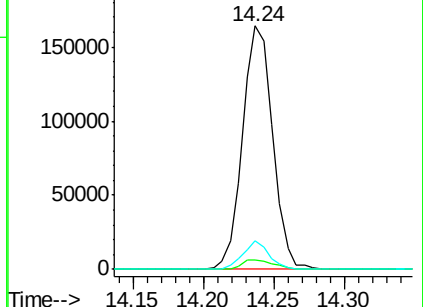
164 11.9 8.1 12.1



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# 2504

Delta R.T. -0.01 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

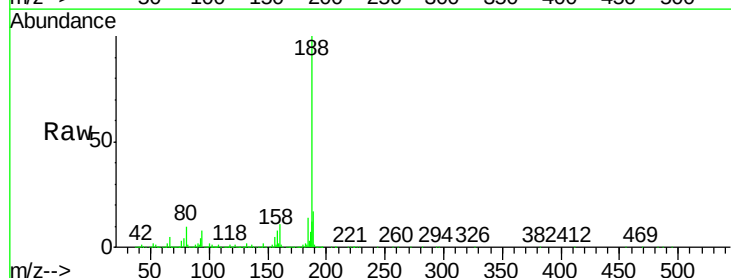
Tgt Ion:188 Resp: 945782

Ion Ratio Lower Upper

188 100

94 7.8 5.2 7.8

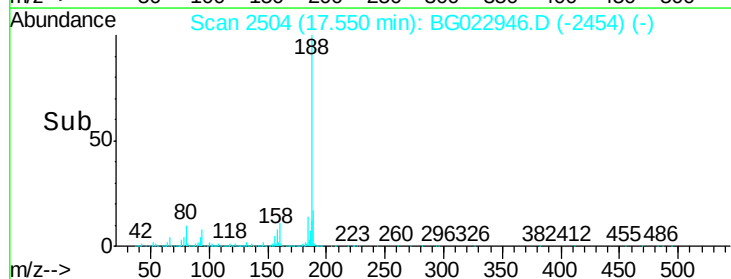
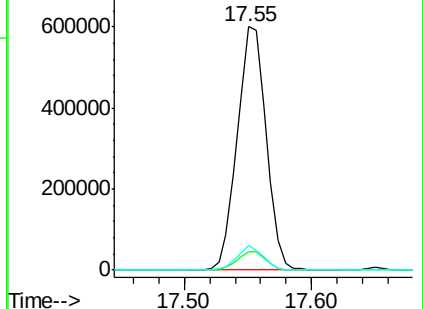
80 10.2 7.2 10.8

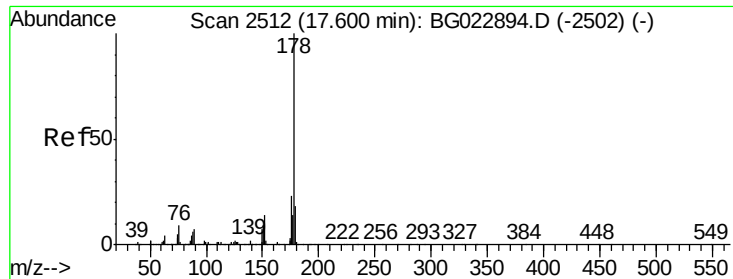


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 2.59 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Instrument :

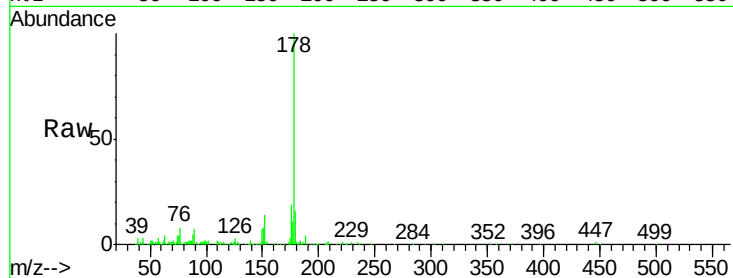
BNA_G

ClientSampled :

P-1

Tot Ion:178 Resp: 119830

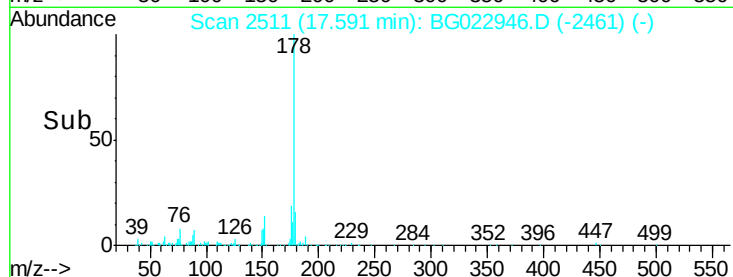
Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.8	25.2
179	16.3	14.3	21.5



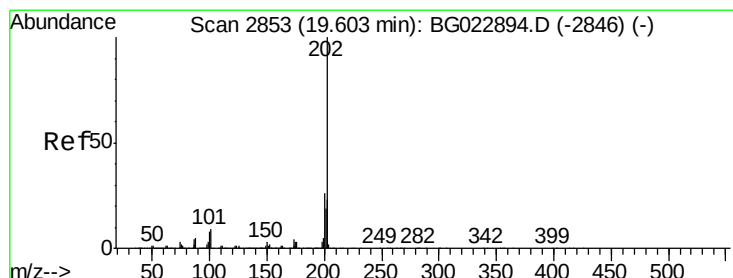
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 3.52 ng

RT: 19.60 min Scan# 2853

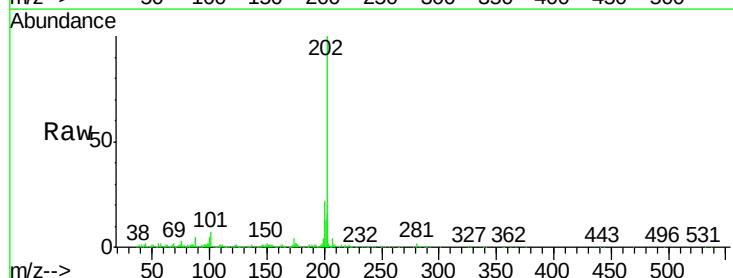
Delta R.T. -0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Tgt Ion:202 Resp: 200306

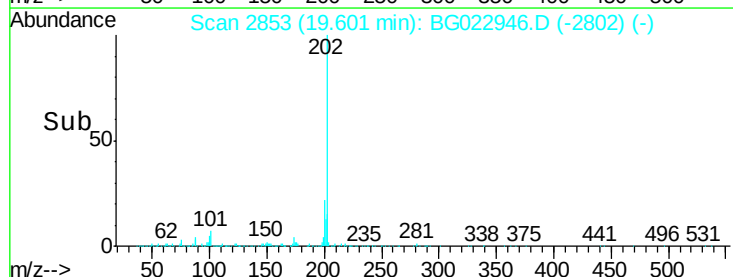
Ion	Ratio	Lower	Upper
202	100		
101	6.8	0.0	27.4
203	15.5	1.7	41.7



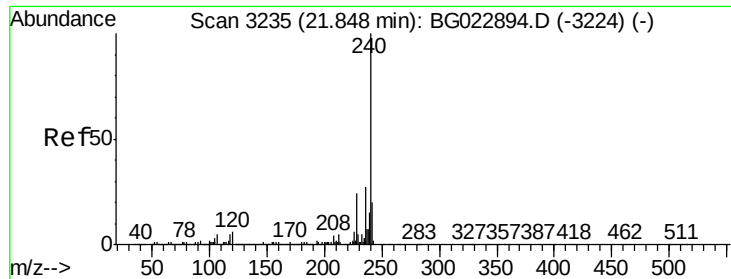
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



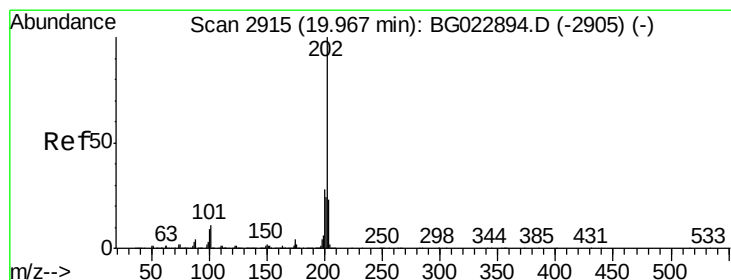
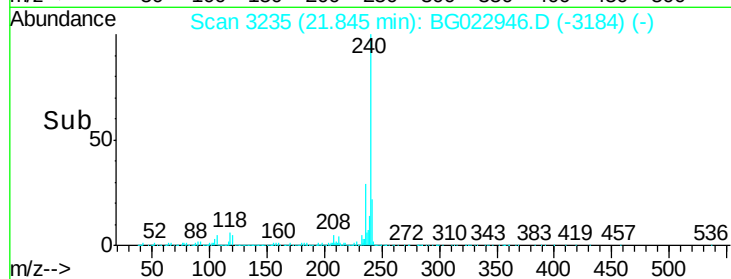
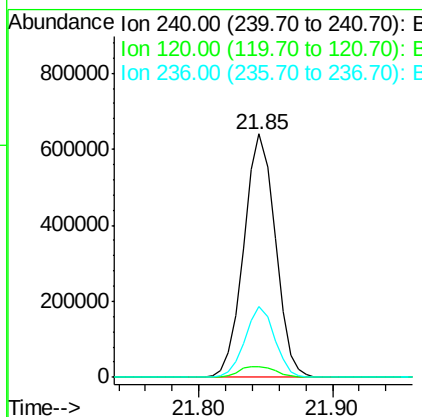
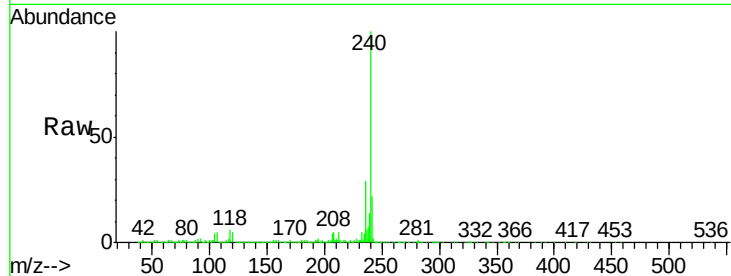
Time-->



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3235
Delta R.T. -0.00 min
Lab File: BG022946.D
Acq: 9 Jul 2016 1:25

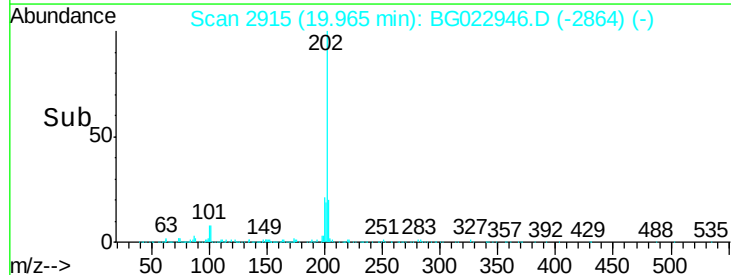
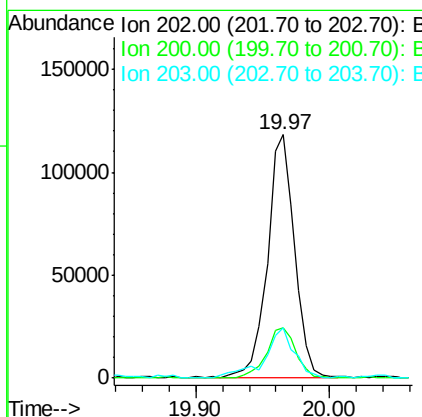
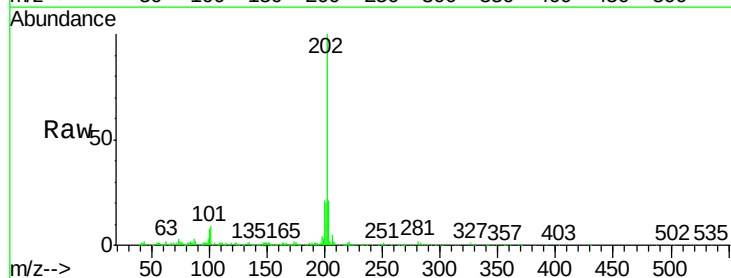
Instrument :
BNA_G
ClientSampleId :
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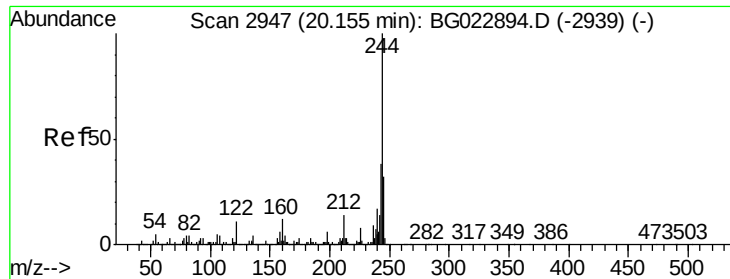
Tot Ion:240 Resp: 1038923
Ion Ratio Lower Upper
240 100
120 4.6 4.1 6.1
236 29.2 21.1 31.7



#77
Pyrene
Concen: 2.86 ng
RT: 19.97 min Scan# 2915
Delta R.T. -0.00 min
Lab File: BG022946.D
Acq: 9 Jul 2016 1:25

Tgt Ion:202 Resp: 166695
Ion Ratio Lower Upper
202 100
200 20.8 21.2 31.8#
203 20.5 16.8 25.2





#78

Terphenyl-d14

Concen: 64.29 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampleId :

P-1

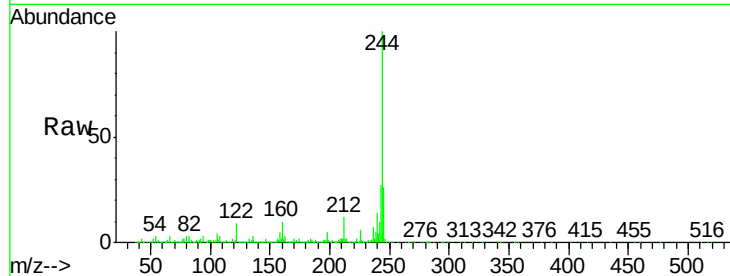
Tot Ion:244 Resp: 2314064

Ion Ratio Lower Upper

244 100

212 12.2 10.8 16.2

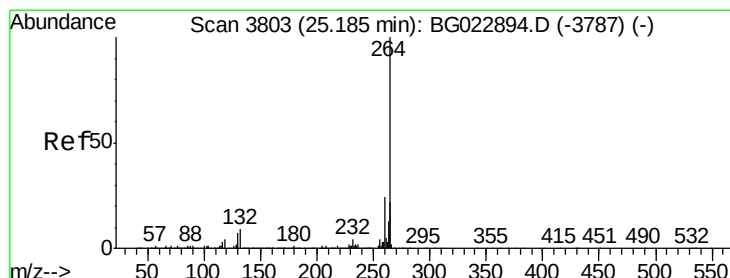
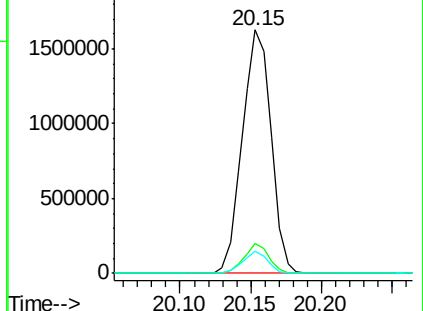
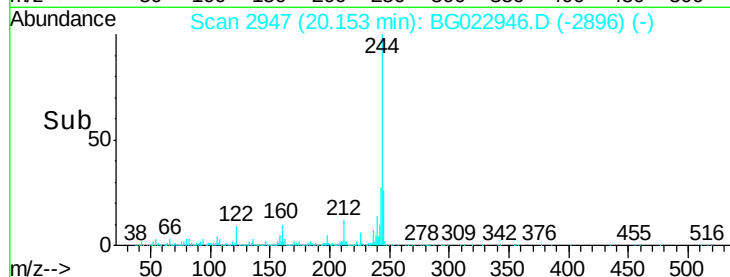
122 9.4 8.0 12.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.20 min Scan# 3806

Delta R.T. 0.02 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

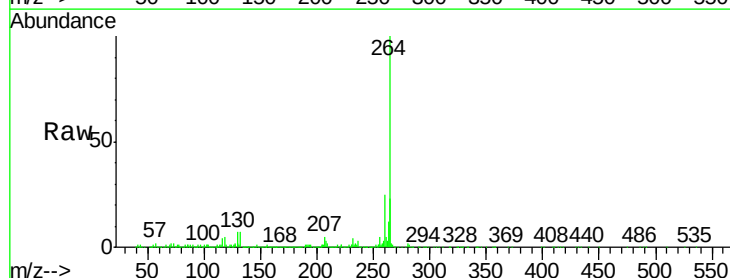
Tgt Ion:264 Resp: 1064922

Ion Ratio Lower Upper

264 100

260 24.5 18.4 27.6

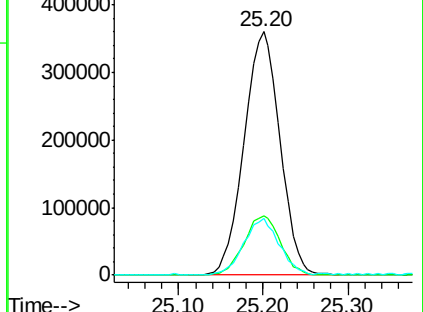
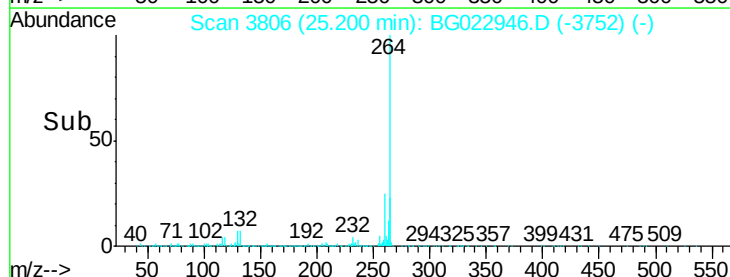
265 23.2 18.9 28.3

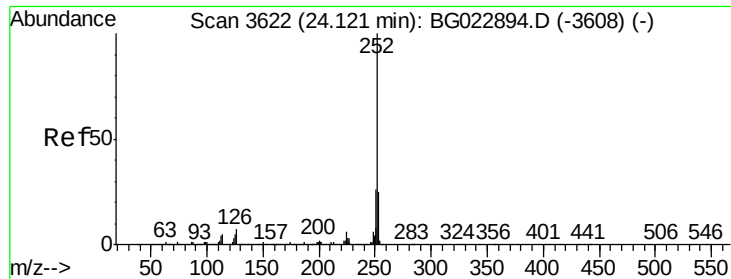


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87
 Benzo(b)fluoranthene
 Concen: 2.38 ng
 RT: 24.13 min Scan# 3624
 Delta R.T. 0.01 min
 Lab File: BG022946.D
 Acq: 9 Jul 2016 1:25

Instrument :
 BNA_G
 ClientSampleId :
 P-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.4	18.9	28.3
125	10.5	3.9	5.9

