

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
 Data File : BG023158.D
 Acq On : 18 Jul 2016 13:15
 Operator : UM/SJ
 Sample : H4018-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jul 19 01:20:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 01:16:03 2016
 Response via : Initial Calibration

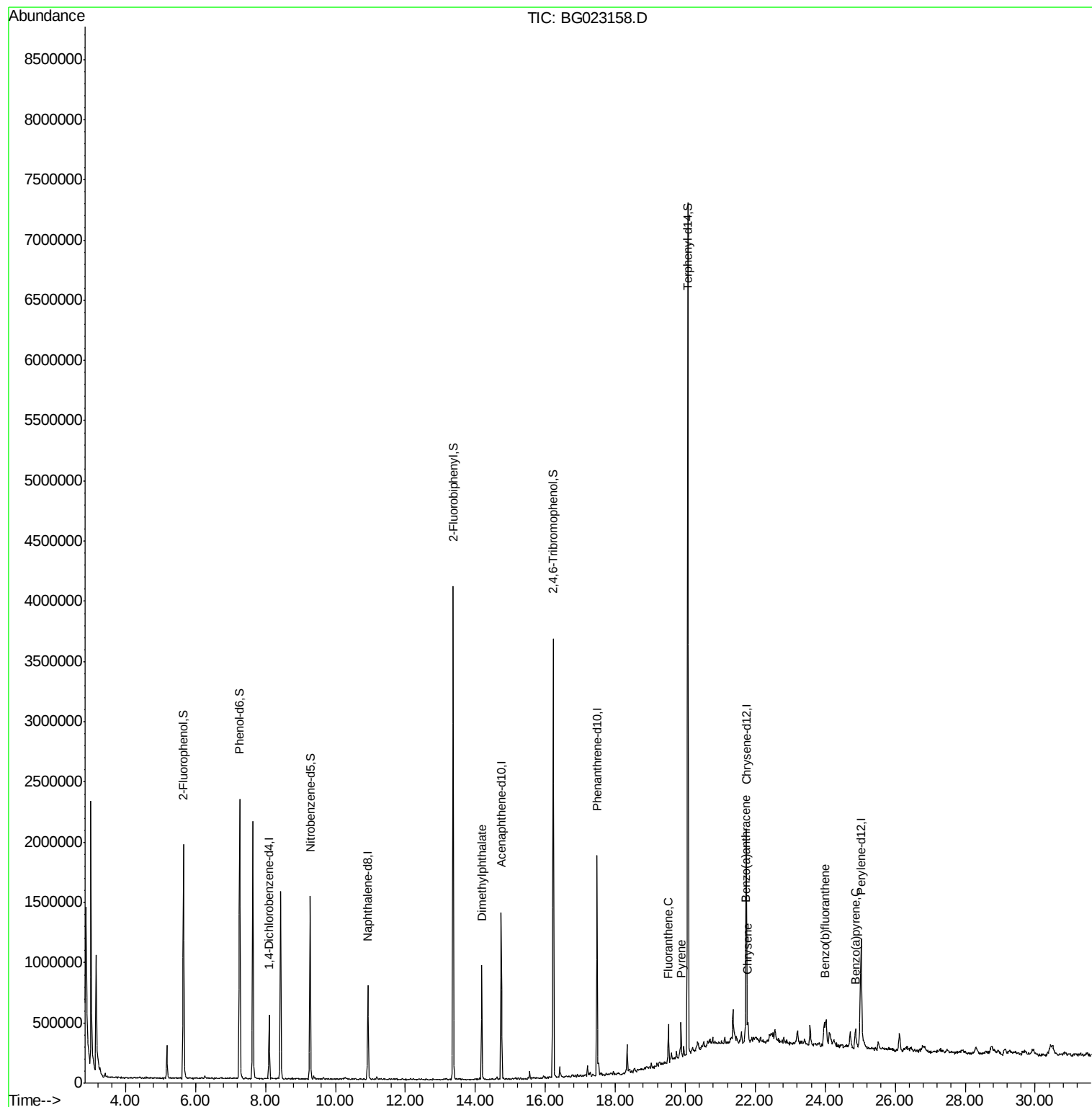
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	134977	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	627171	20.00	ng	0.00
38) Acenaphthene-d10	14.74	164	478874	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	1078580	20.00	ng	0.00
75) Chrysene-d12	21.74	240	1073880	20.00	ng	0.00
86) Perylene-d12	25.02	264	1064778	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	803744	97.39	ng	-0.03
7) Phenol-d6	7.26	99	1316000	101.81	ng	-0.02
23) Nitrobenzene-d5	9.28	82	995841	67.99	ng	-0.01
41) 2,4,6-Tribromophenol	16.23	330	649854	75.51	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	1972008	64.86	ng	0.00
78) Terphenyl-d14	20.07	244	2684314	76.22	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.18	163	568581	14.54	ng	98
74) Fluoranthene	19.52	202	191214	2.95	ng	94
77) Pyrene	19.88	202	178756	2.96	ng	92
80) Benzo(a)anthracene	21.72	228	156505	2.60	ng	92
82) Chrysene	21.79	228	146187m	2.59	ng	
87) Benzo(b)fluoranthene	23.98	252	252899	4.12	ng	# 90
89) Benzo(a)pyrene	24.86	252	163296	2.77	ng	# 97

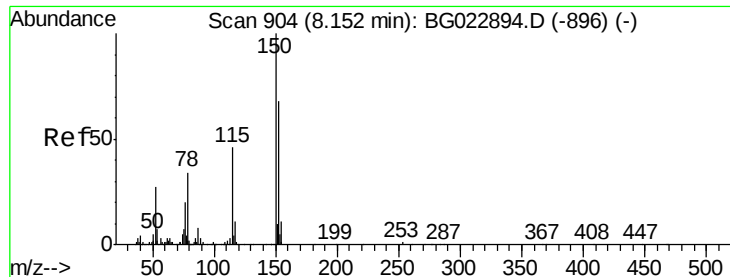
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 19 01:20:30 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 19 01:16:03 2016
Response via : Initial Calibration



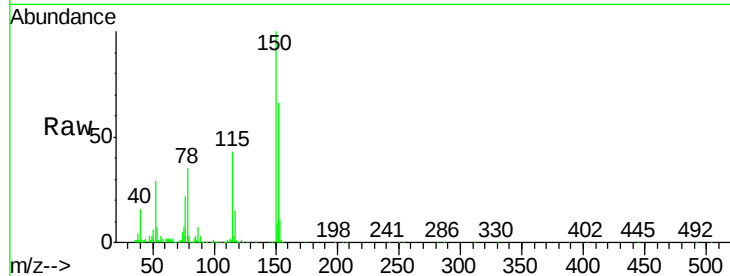


#1

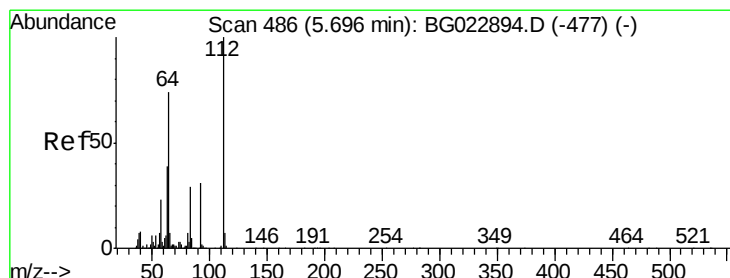
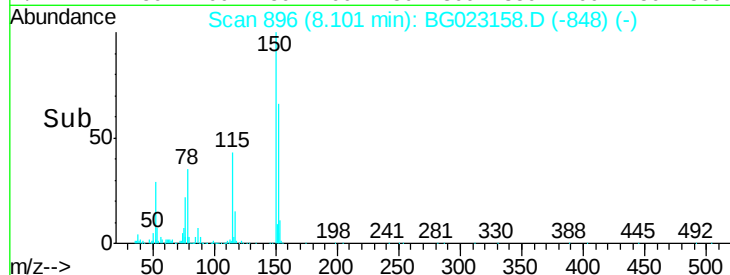
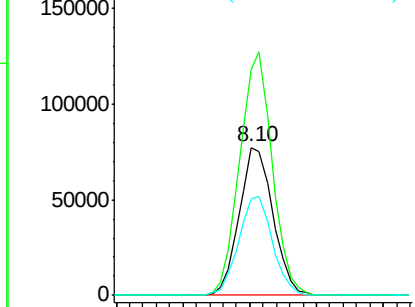
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.10 min Scan# 896
Delta R.T. -0.02 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

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

Tgt Ion:152 Resp: 134977
Ion Ratio Lower Upper
152 100
150 152.5 144.7 217.1
115 65.5 64.0 96.0



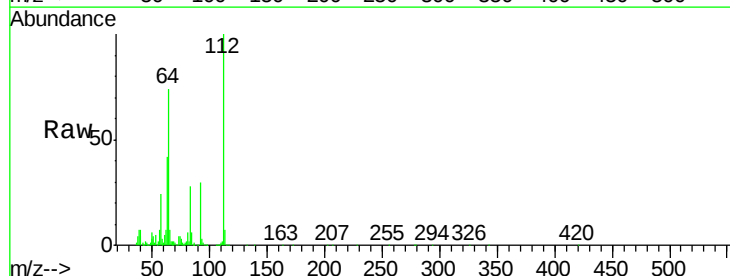
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



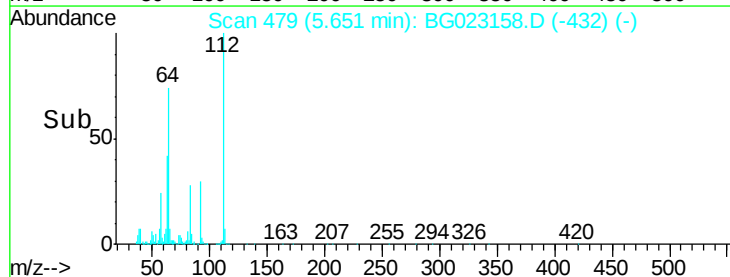
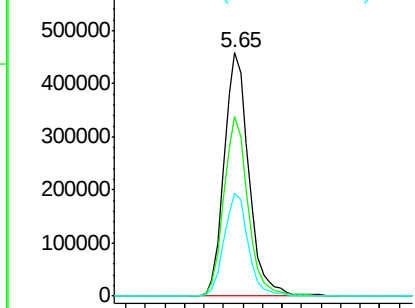
#5

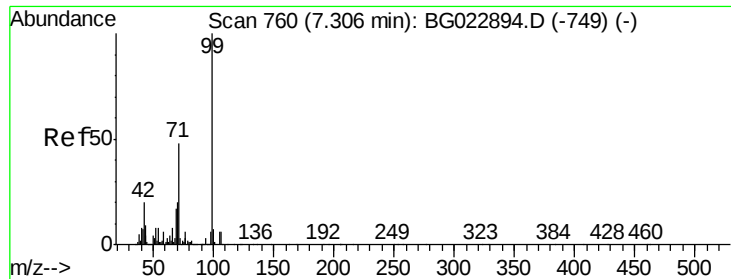
2-Fluorophenol
Concen: 97.39 ng
RT: 5.65 min Scan# 479
Delta R.T. -0.03 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:112 Resp: 803744
Ion Ratio Lower Upper
112 100
64 73.9 59.0 88.4
63 42.2 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: 101.81 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.02 min

Lab File: BG023158.D

Acq: 18 Jul 2016 13:15

Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

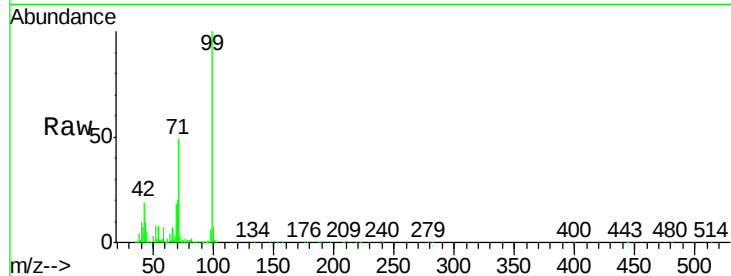
Tgt Ion: 99 Resp: 1316000

Ion Ratio Lower Upper

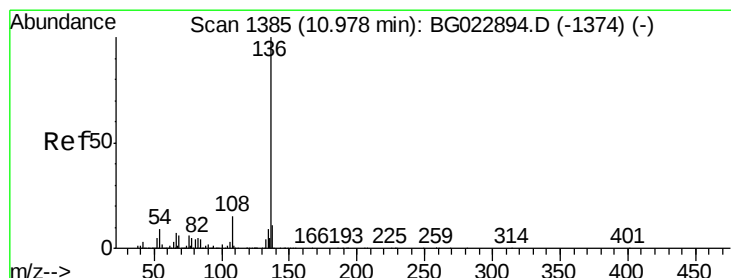
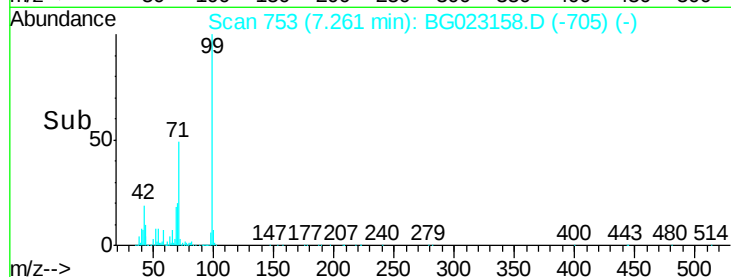
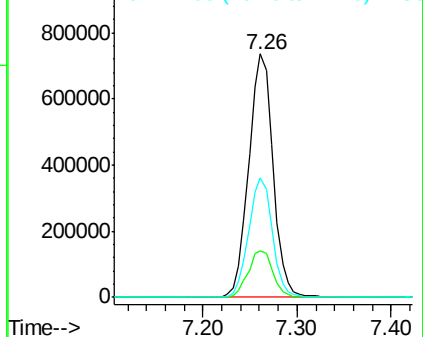
99 100

42 19.2 17.8 26.6

71 48.8 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: 10.93 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BG023158.D

Acq: 18 Jul 2016 13:15

Tgt Ion: 136 Resp: 627171

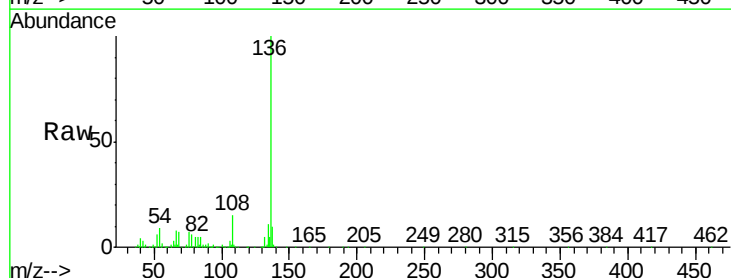
Ion Ratio Lower Upper

136 100

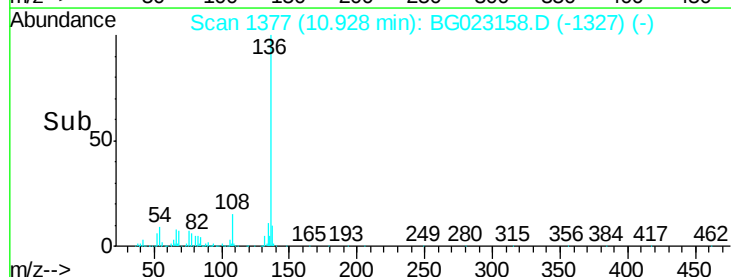
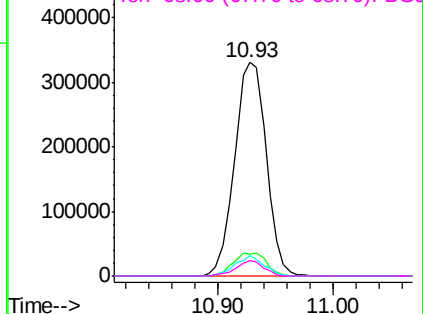
137 10.5 9.6 14.4

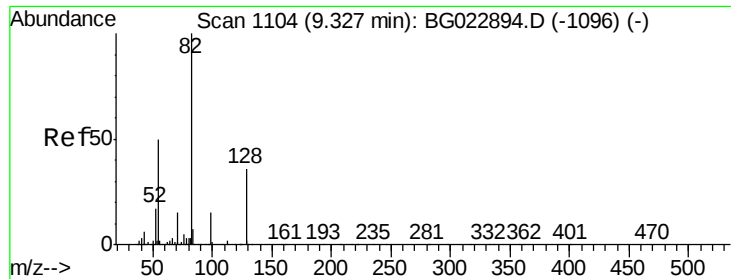
54 9.3 7.3 10.9

68 7.0 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

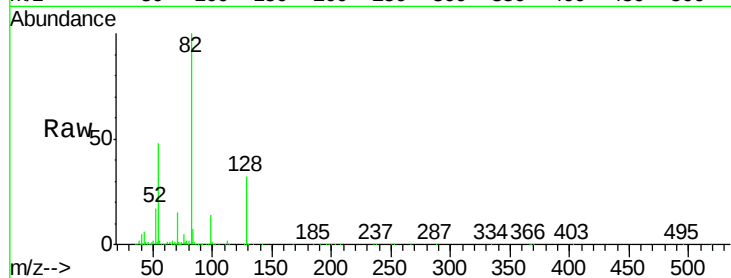




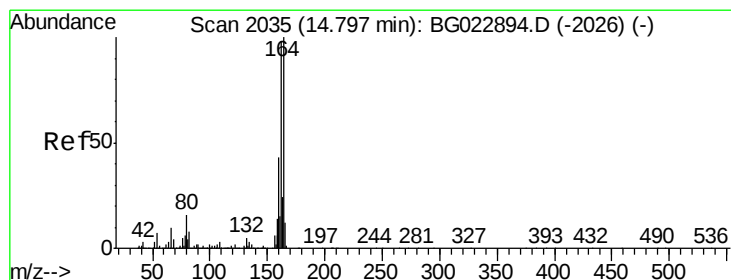
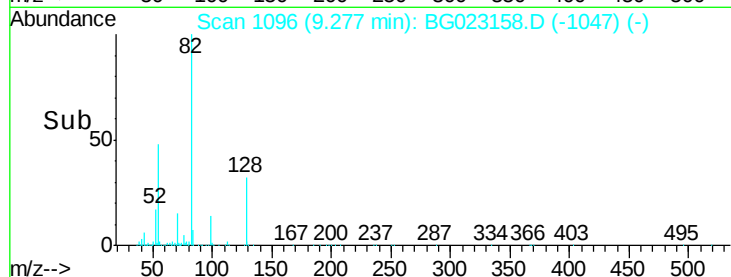
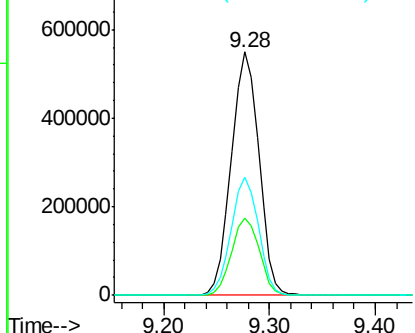
#23
 Nitrobenzene-d5
 Concen: 67.99 ng
 RT: 9.28 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: BG023158.D
 Acq: 18 Jul 2016 13:15

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

Tgt Ion: 82 Resp: 995841
 Ion Ratio Lower Upper
 82 100
 128 31.7 24.4 36.6
 54 48.4 41.4 62.0

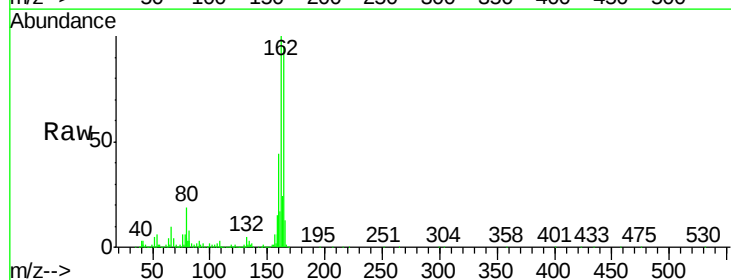


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

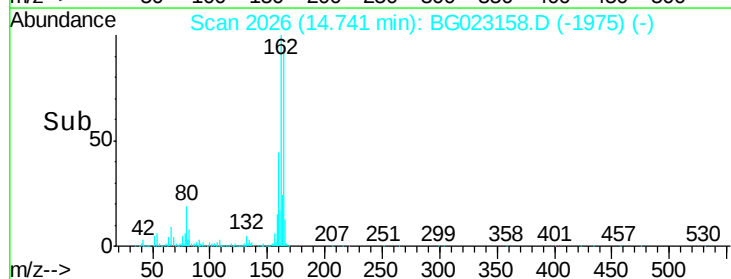
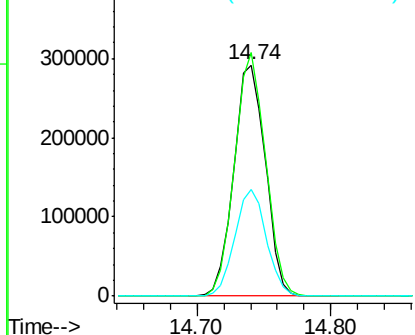


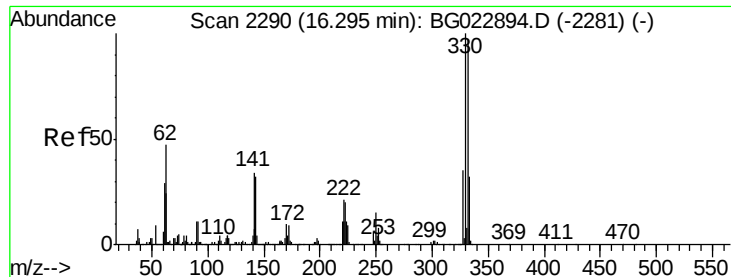
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.74 min Scan# 2026
 Delta R.T. -0.00 min
 Lab File: BG023158.D
 Acq: 18 Jul 2016 13:15

Tgt Ion: 164 Resp: 478874
 Ion Ratio Lower Upper
 164 100
 162 105.3 87.7 131.5
 160 46.1 37.2 55.8



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

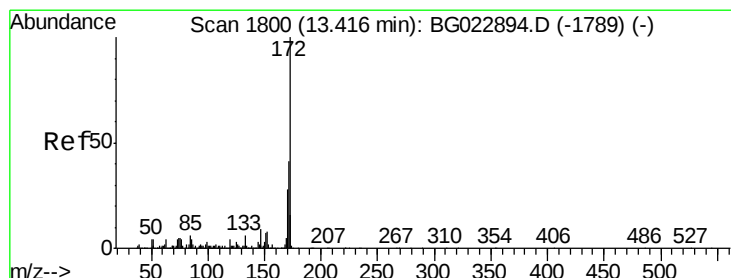
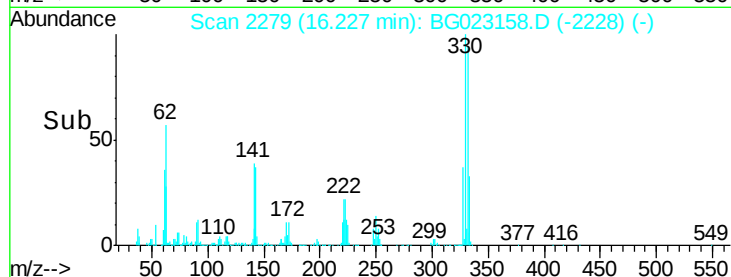
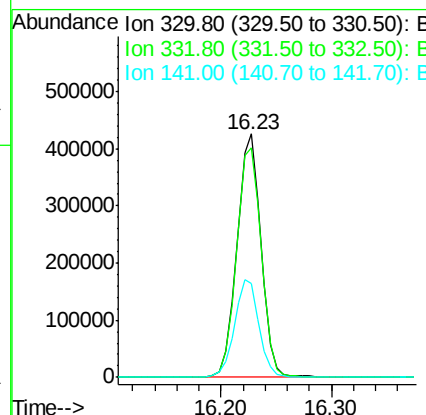
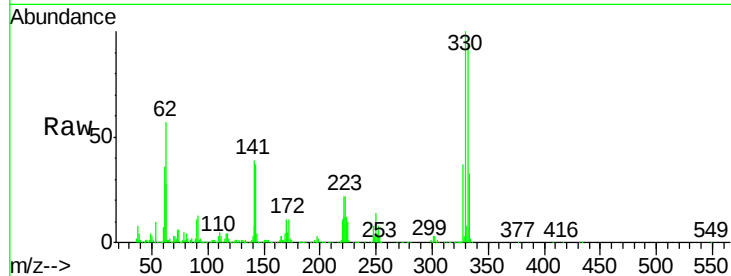




#41
 2,4,6-Tribromophenol
 Concen: 75.51 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BG023158.D
 Acq: 18 Jul 2016 13:15

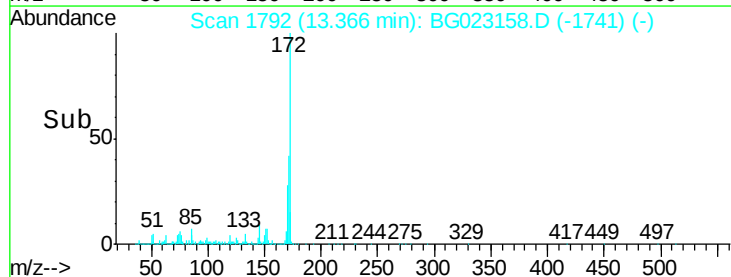
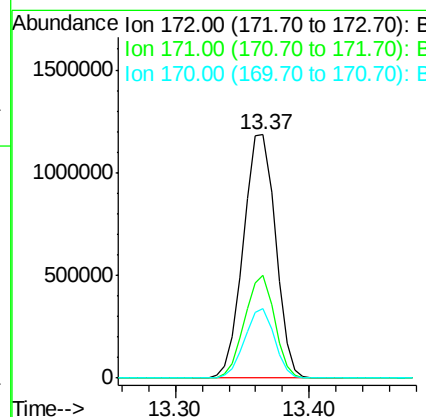
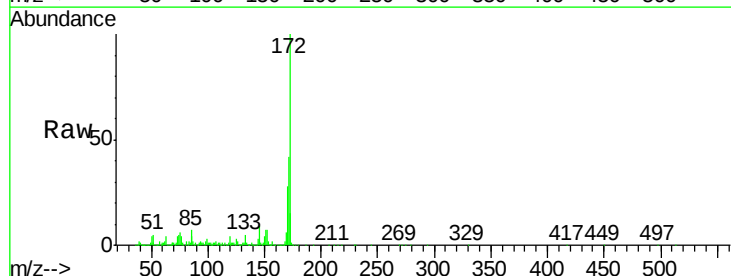
Instrument :
 BNA_G
 ClientSampleId :
 F9-B4(0-12)C

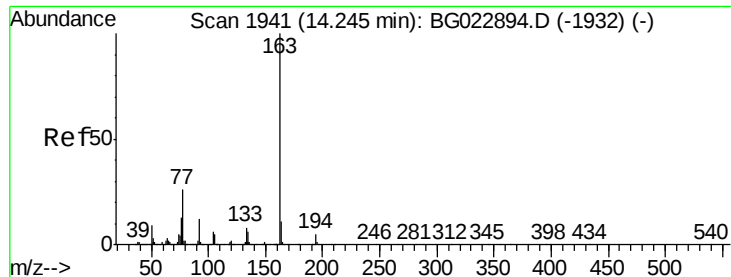
Tgt Ion:330 Resp: 649854
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.4 116.2
 141 40.4 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 64.86 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BG023158.D
 Acq: 18 Jul 2016 13:15

Tgt Ion:172 Resp: 1972008
 Ion Ratio Lower Upper
 172 100
 171 42.1 31.6 47.4
 170 28.3 21.3 31.9





#49

Dimethylphthalate

Concen: 14.54 ng

RT: 14.18 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BG023158.D

Acq: 18 Jul 2016 13:15

Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

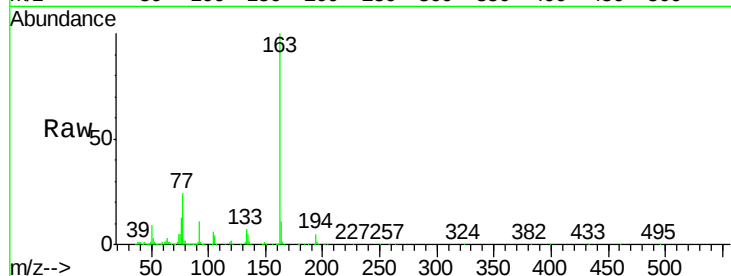
Tgt Ion:163 Resp: 568581

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

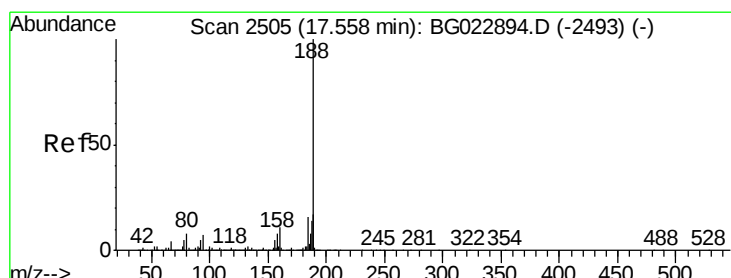
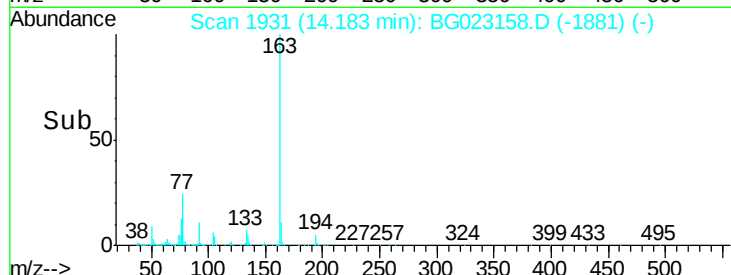
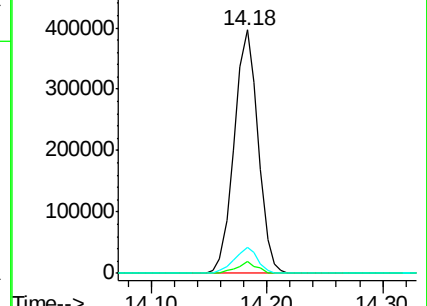
164 10.9 8.1 12.1



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: 17.48 min Scan# 2492

Delta R.T. -0.00 min

Lab File: BG023158.D

Acq: 18 Jul 2016 13:15

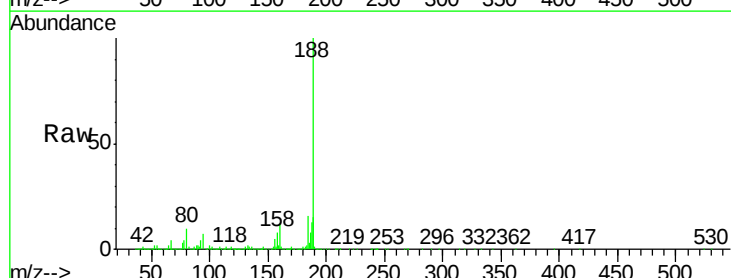
Tgt Ion:188 Resp: 1078580

Ion Ratio Lower Upper

188 100

94 6.7 5.2 7.8

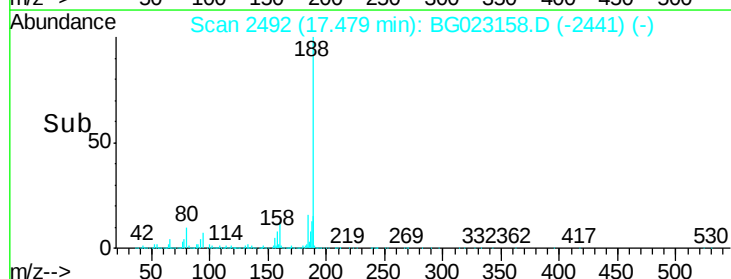
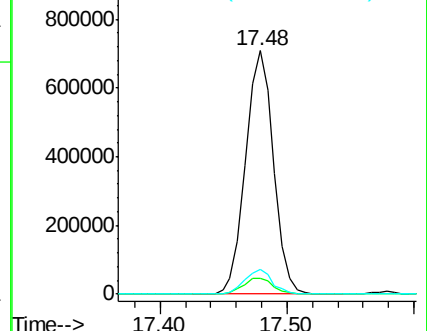
80 10.2 7.2 10.8

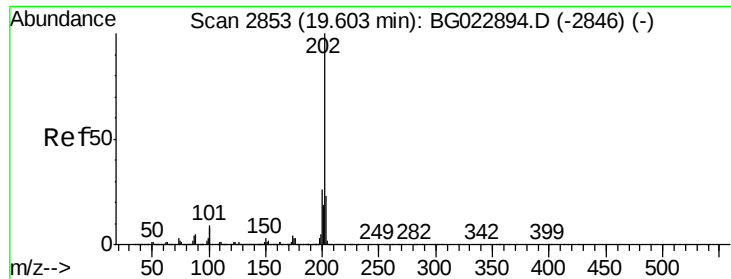


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#74

Fluoranthene

Concen: 2.95 ng

RT: 19.52 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG023158.D

Acq: 18 Jul 2016 13:15

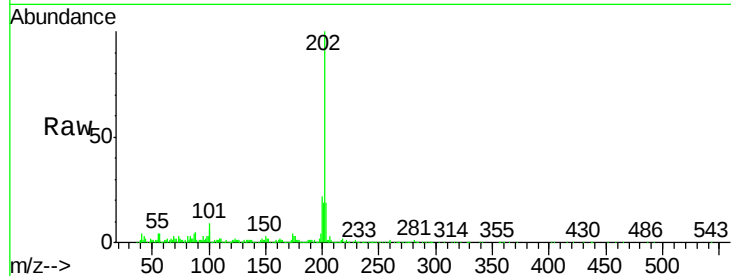
Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

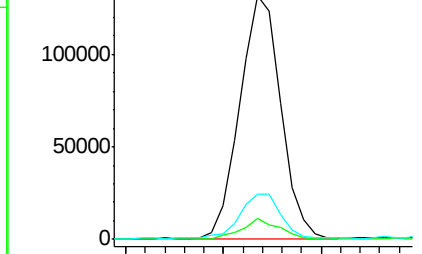
Tgt Ion:	202	Resp:	191214
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	27.4
203	18.6	1.7	41.7



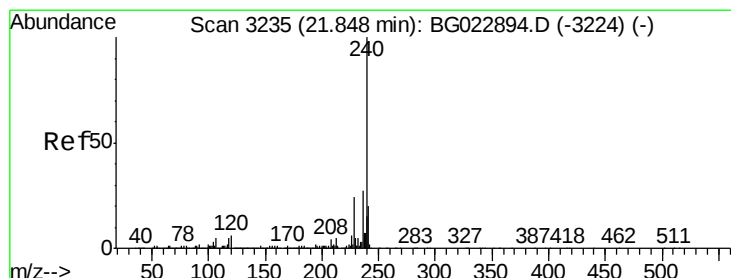
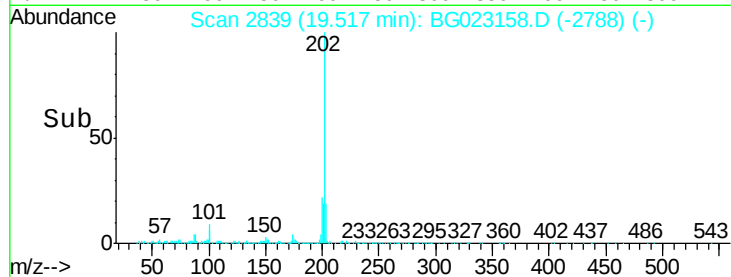
Abundance Ion 202.00 (201.70 to 202.70): E

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

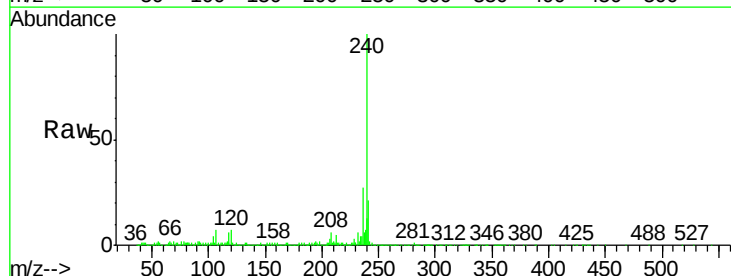
RT: 21.74 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BG023158.D

Acq: 18 Jul 2016 13:15

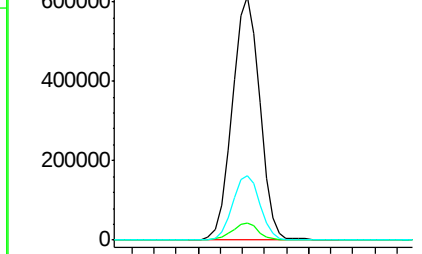
Tgt Ion:	240	Resp:	1073880
Ion Ratio	Lower	Upper	
240	100		
120	6.8	4.1	6.1#
236	26.6	21.1	31.7



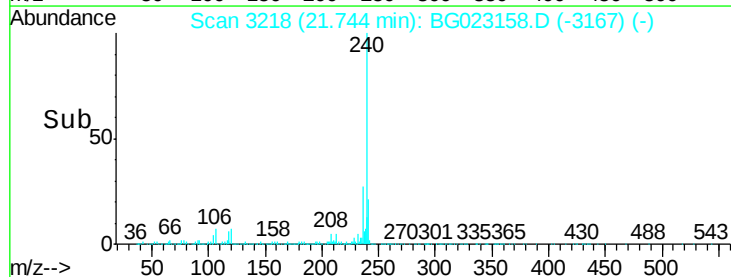
Abundance Ion 240.00 (239.70 to 240.70): E

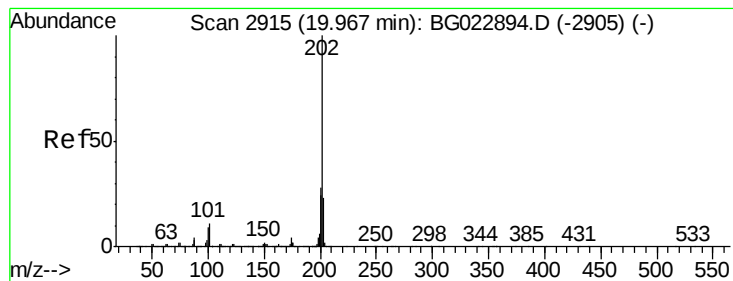
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pyrene

Concen: 2.96 ng

RT: 19.88 min Scan# 2901

Delta R.T. -0.00 min

Lab File: BG023158.D

Acq: 18 Jul 2016 13:15

Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

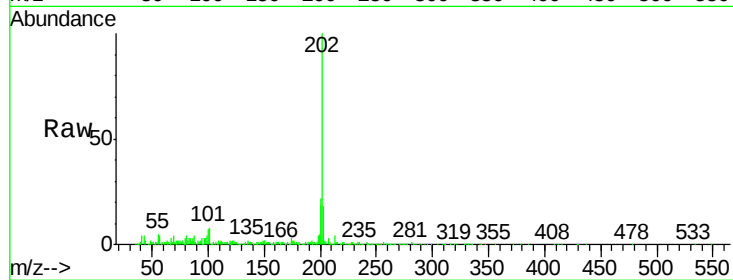
Tgt Ion:202 Resp: 178756

Ion Ratio Lower Upper

202 100

200 21.6 21.2 31.8

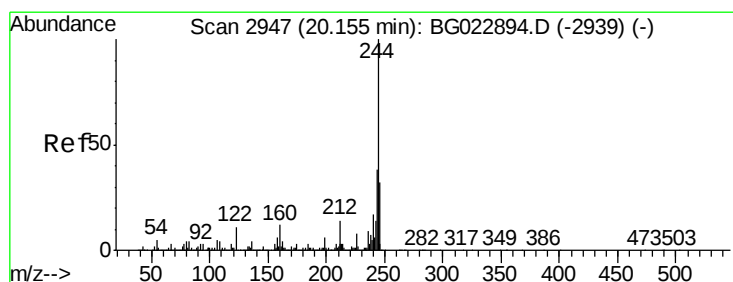
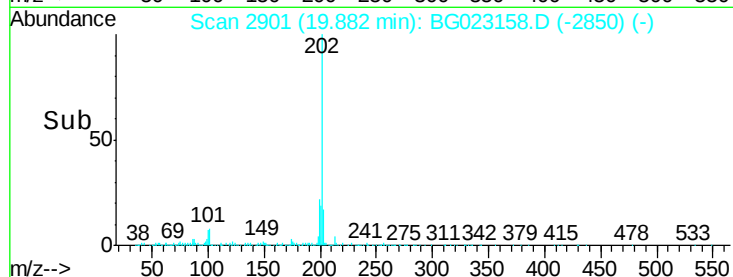
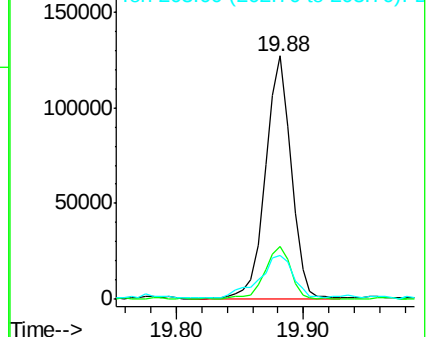
203 17.9 16.8 25.2



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: 76.22 ng

RT: 20.07 min Scan# 2933

Delta R.T. -0.00 min

Lab File: BG023158.D

Acq: 18 Jul 2016 13:15

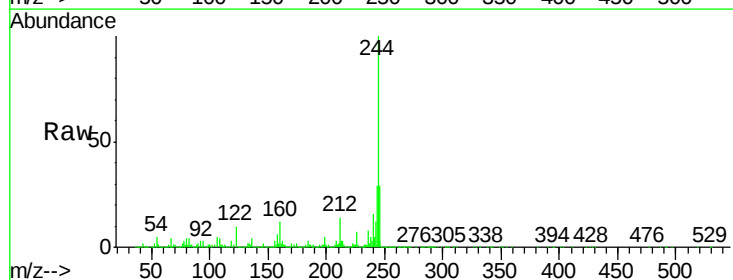
Tgt Ion:244 Resp: 2684314

Ion Ratio Lower Upper

244 100

212 13.7 10.8 16.2

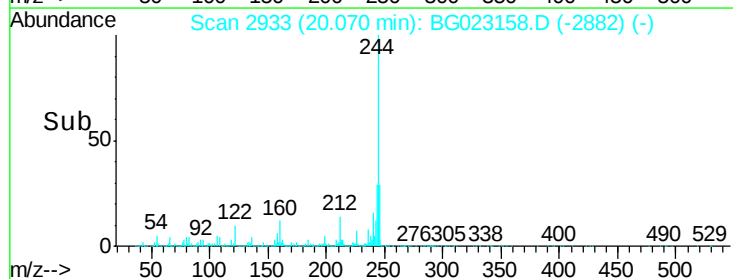
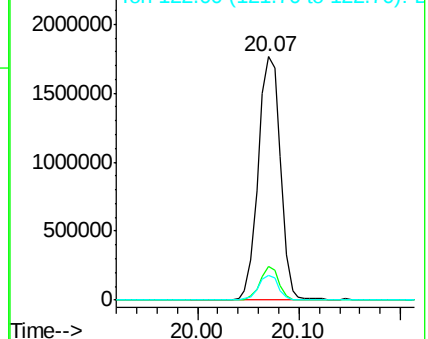
122 10.3 8.0 12.0

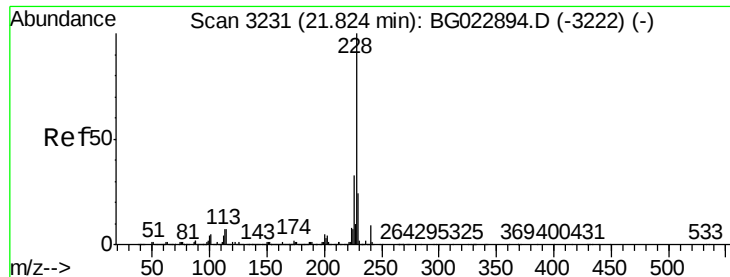


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.60 ng

RT: 21.72 min Scan# 3214

Delta R.T. -0.01 min

Lab File: BG023158.D

Acq: 18 Jul 2016 13:15

Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C

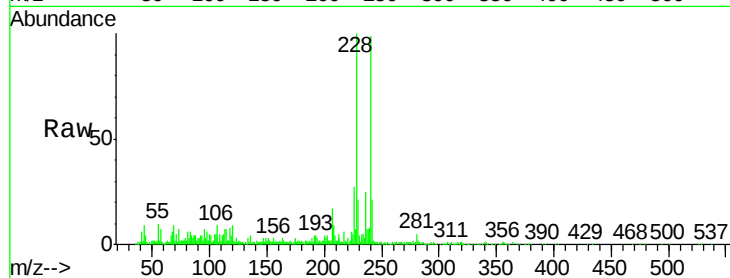
Tgt Ion:228 Resp: 156505

Ion Ratio Lower Upper

228 100

226 27.4 25.3 37.9

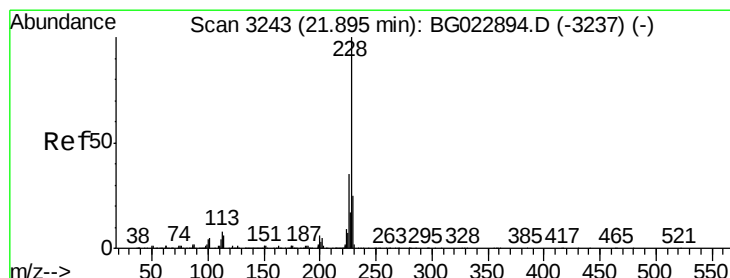
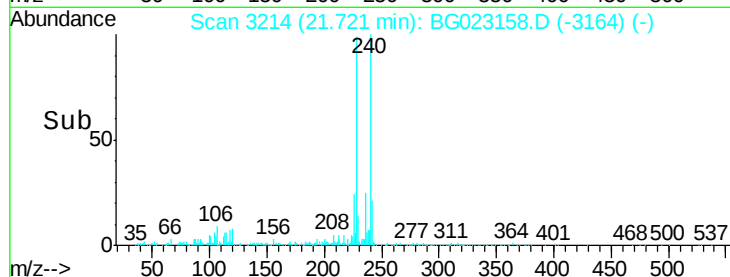
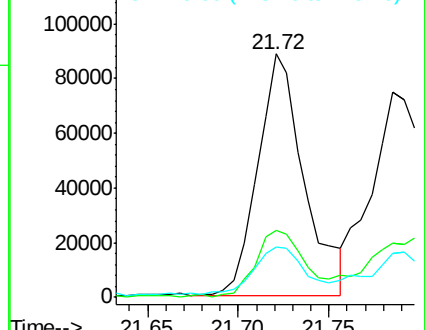
229 20.6 19.9 29.9



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: 2.59 ng m

RT: 21.79 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BG023158.D

Acq: 18 Jul 2016 13:15

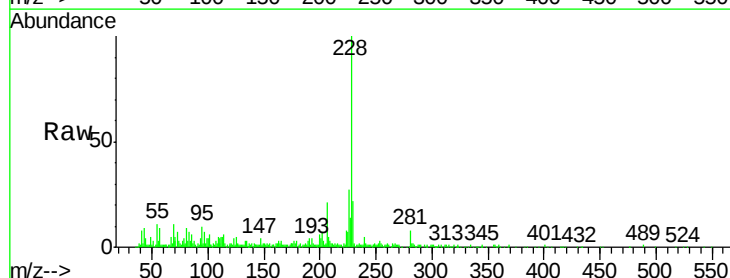
Tgt Ion:228 Resp: 146187

Ion Ratio Lower Upper

228 100

226 26.5 26.7 40.1#

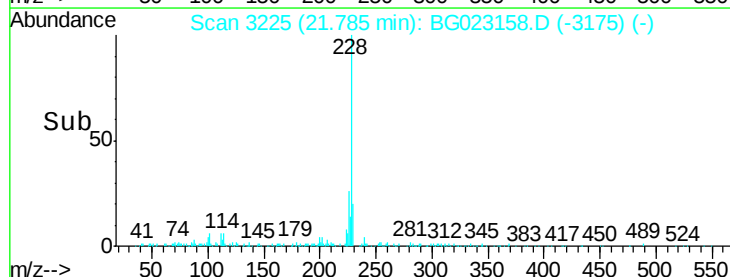
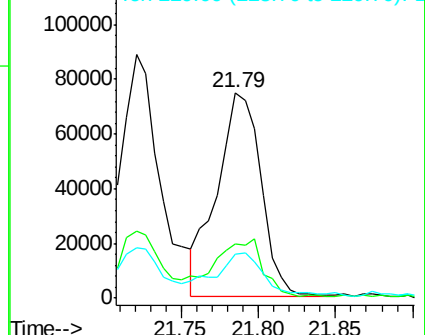
229 21.5 17.4 26.2

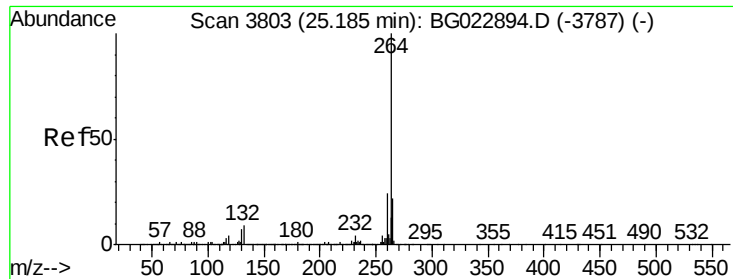


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



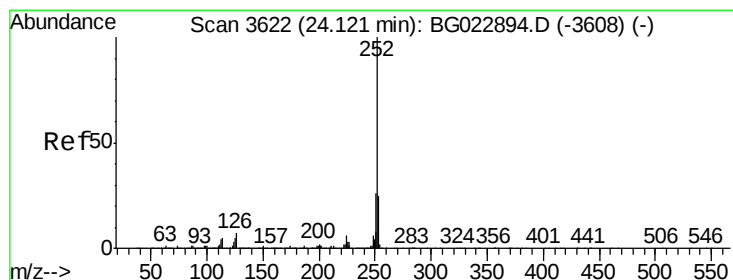
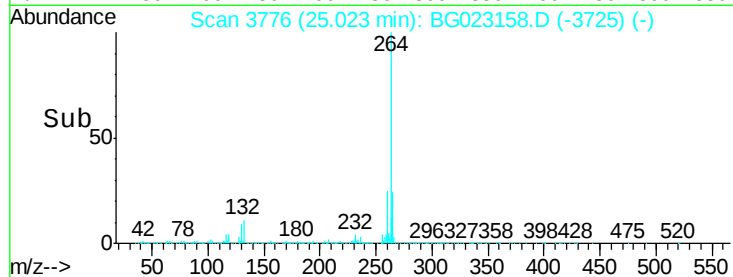
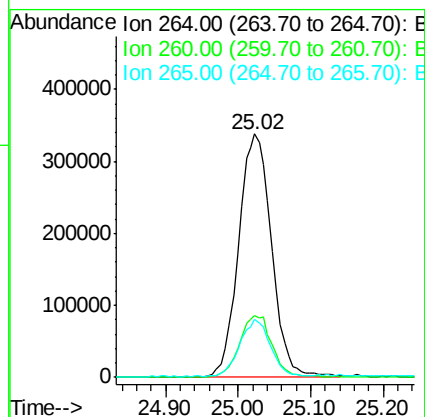
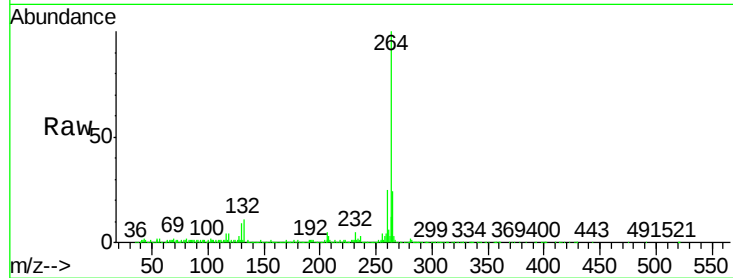


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.02 min Scan# 3776
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

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

Tgt Ion:264 Resp: 1064778

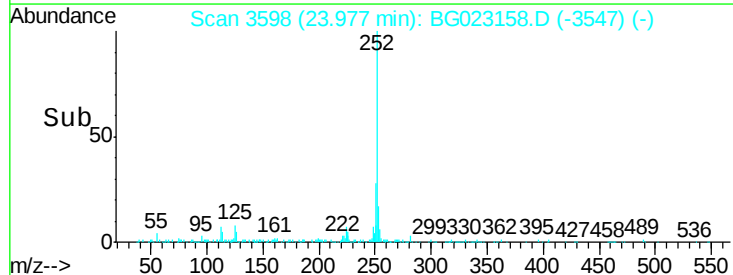
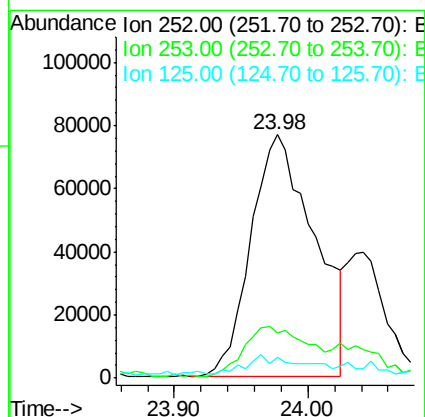
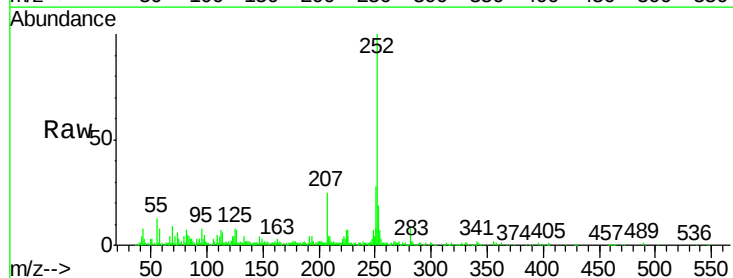
Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.4	27.6
265	24.0	18.9	28.3

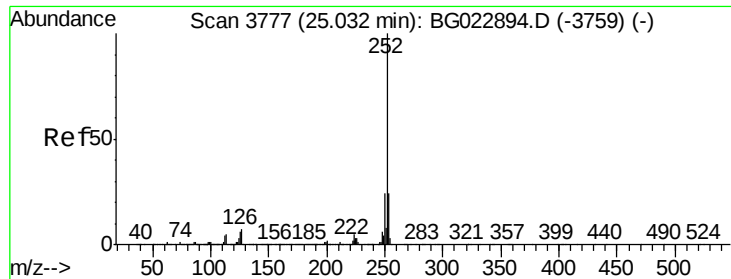


#87
Benzo(b)fluoranthene
Concen: 4.12 ng
RT: 23.98 min Scan# 3598
Delta R.T. -0.00 min
Lab File: BG023158.D
Acq: 18 Jul 2016 13:15

Tgt Ion:252 Resp: 252899

Ion	Ratio	Lower	Upper
252	100		
253	18.5	18.9	28.3#
125	8.4	3.9	5.9#





#89

Benzo(a)pyrene

Concen: 2.77 ng

RT: 24.86 min Scan# 3749

Delta R.T. -0.01 min

Lab File: BG023158.D

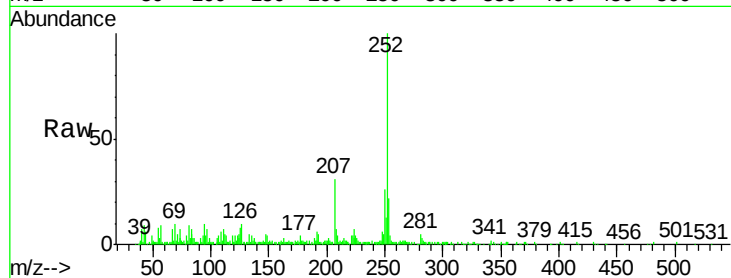
Acq: 18 Jul 2016 13:15

Instrument :

BNA_G

ClientSampleId :

F9-B4(0-12)C



Tgt Ion:	252	Resp:	163296
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	7.9	3.9	5.9#

