

Data Path : Z:\HPCHEM1\BNA G\DATA\BG090616\
 Data File : BG023951.D
 Acq On : 6 Sep 2016 17:32
 Operator : UM/SJ
 Sample : H4680-31
 Misc : Double Internal standard added
 ALS Vial : 6 Sample Multiplier: 2

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 06 18:42:03 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 20:05:47 2016
 Response via : Initial Calibration

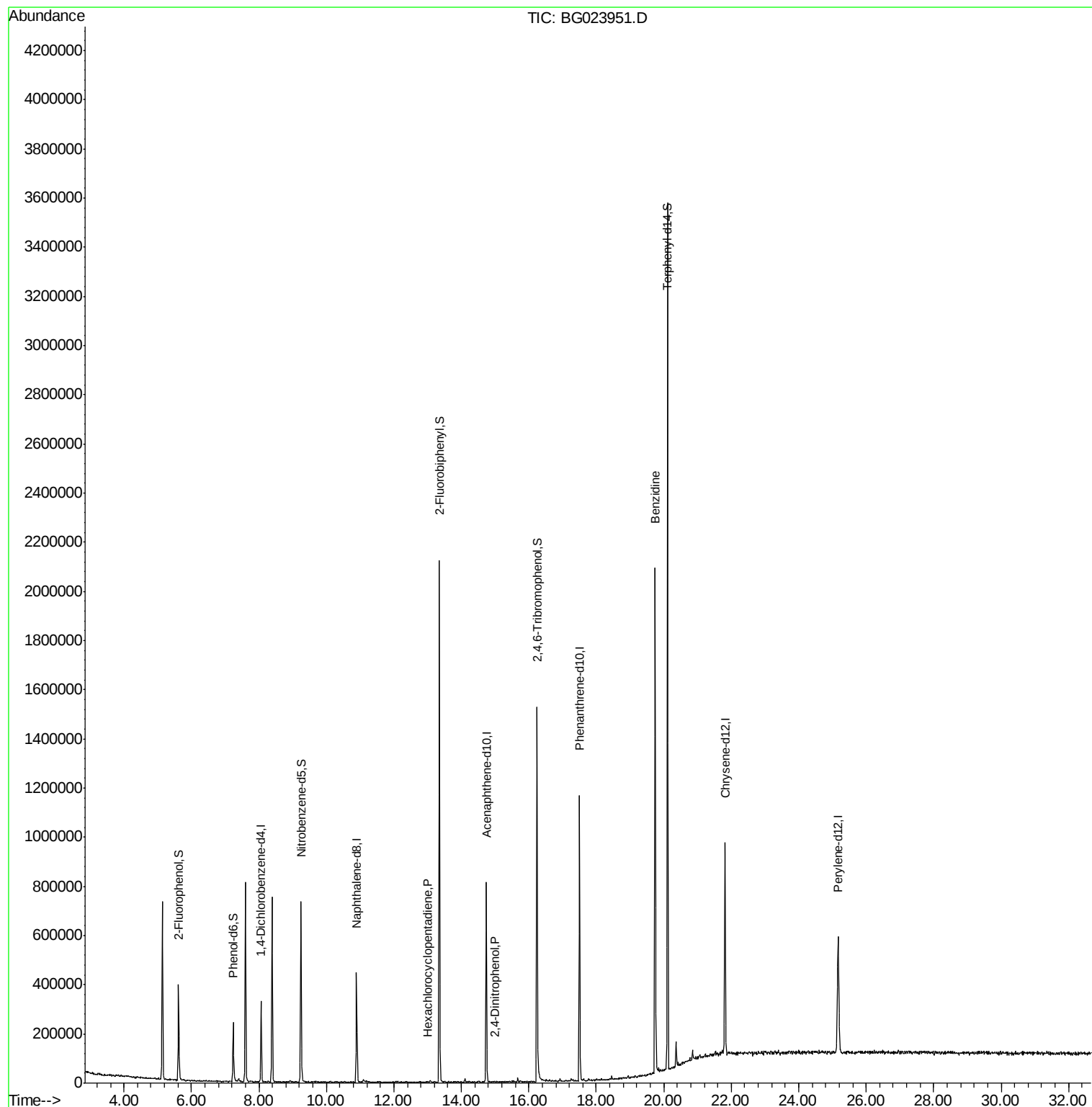
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	78047	40.00	ng	-0.02
21) Naphthalene-d8	10.89	136	348658	40.00	ng	-0.03
38) Acenaphthene-d10	14.74	164	268794	40.00	ng	-0.02
63) Phenanthrene-d10	17.50	188	668734	40.00	ng	-0.02
75) Chrysene-d12	21.82	240	575667	40.00	ng	-0.03
86) Perylene-d12	25.17	264	596639	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	159910	71.94	ng	-0.03
7) Phenol-d6	7.23	99	130399	38.11	ng	-0.03
23) Nitrobenzene-d5	9.24	82	446739	114.41	ng	-0.03
41) 2,4,6-Tribromophenol	16.24	330	299687	123.77	ng	-0.02
44) 2-Fluorobiphenyl	13.35	172	967063	103.16	ng	-0.02
78) Terphenyl-d14	20.11	244	1411236	111.66	ng	-0.02
Target Compounds						
11) bis(2-Chloroethyl)ether	7.39	93	7449	2.63	ng	# 28
15) Benzyl Alcohol	8.39	79	8173	2.71	ng	# 48
40) Hexachlorocyclopentadiene	13.00	237	79	14.19	ng	# 26
53) 2,4-Dinitrophenol	14.99	184	91	13.07	ng	# 10
76) Benzidine	19.75	184	1170160	131.29	ng	99

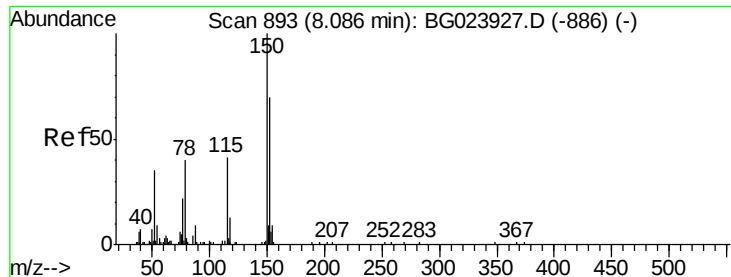
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 8.06 min Scan# 889

Delta R.T. -0.02 min

Lab File: BG023951.D

Acq: 6 Sep 2016 17:32

Instrument :

BNA_G

ClientSampleId :

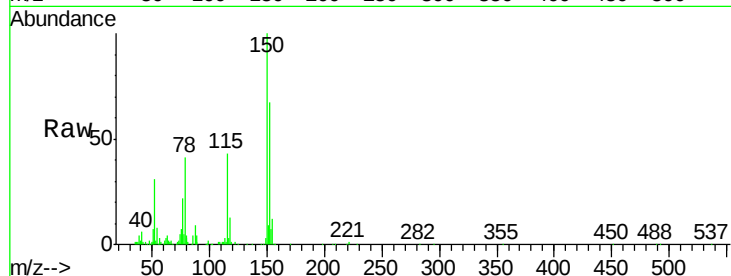
Tot Ion:152 Resp: 78047

Ion Ratio Lower Upper

152 100

150 148.9 144.7 217.1

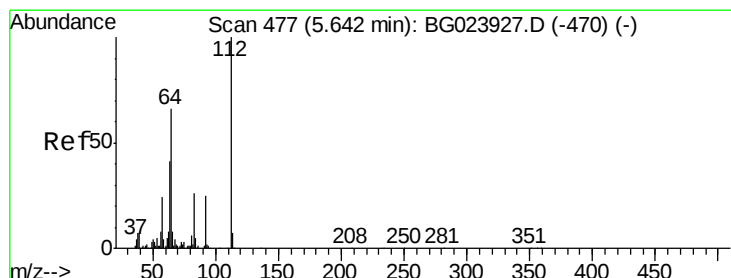
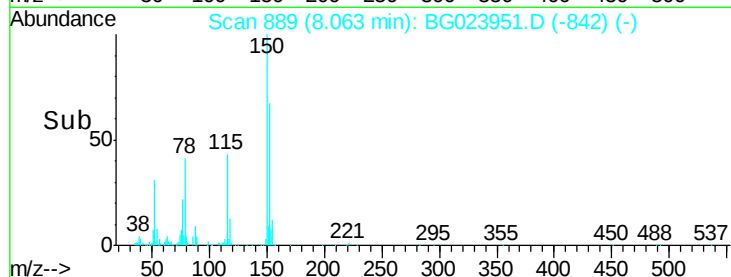
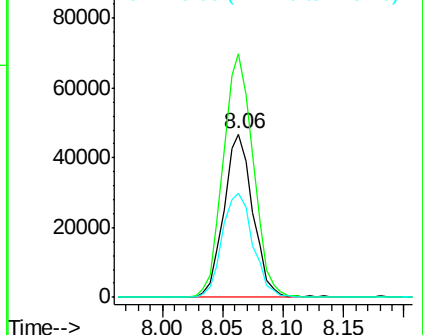
115 64.0 64.0 96.0#



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: 71.94 ng

RT: 5.61 min Scan# 472

Delta R.T. -0.03 min

Lab File: BG023951.D

Acq: 6 Sep 2016 17:32

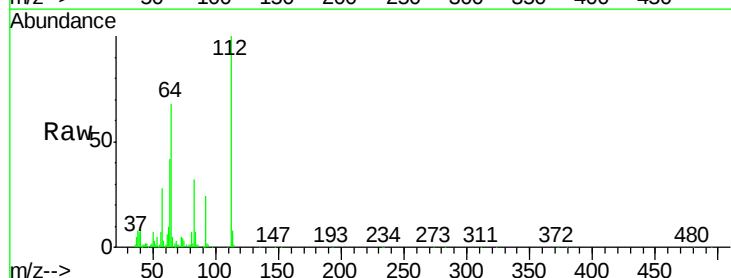
Tgt Ion:112 Resp: 159910

Ion Ratio Lower Upper

112 100

64 68.4 59.0 88.4

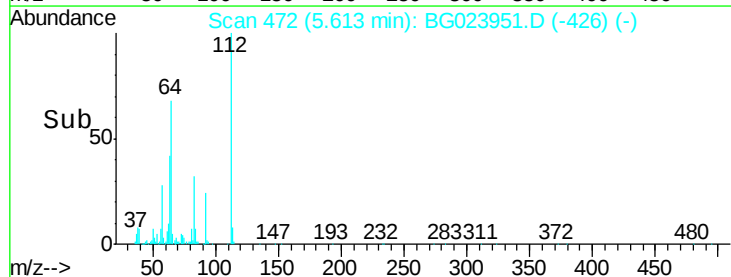
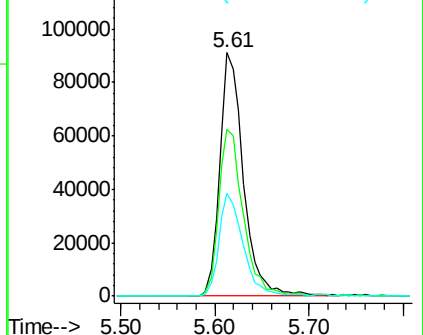
63 42.0 37.8 56.8

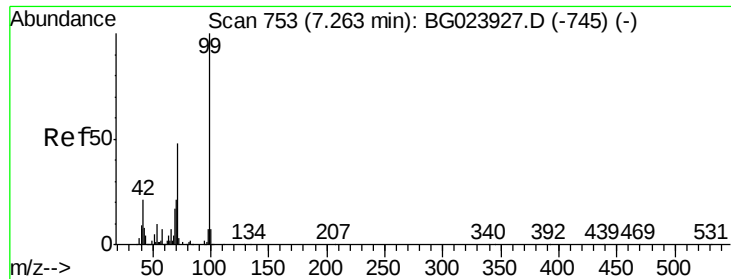


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 38.11 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.03 min

Lab File: BG023951.D

Acq: 6 Sep 2016 17:32

Instrument :

BNA_G

ClientSampleId :

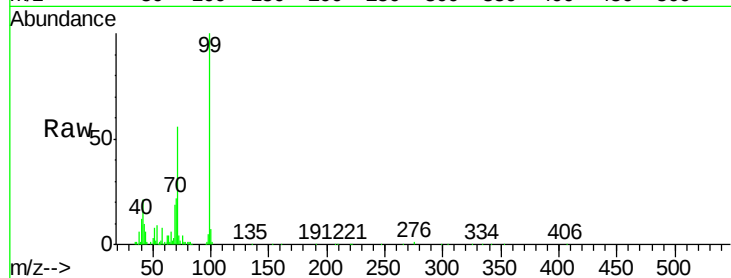
Tot Ion: 99 Resp: 130399

Ion Ratio Lower Upper

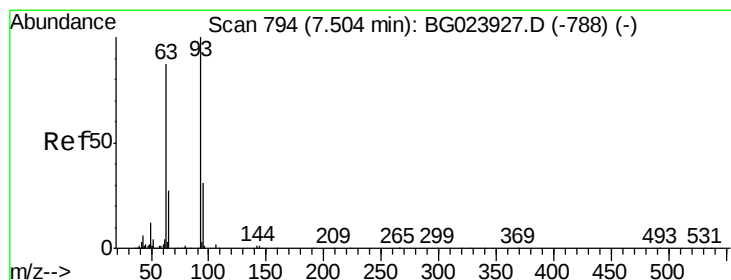
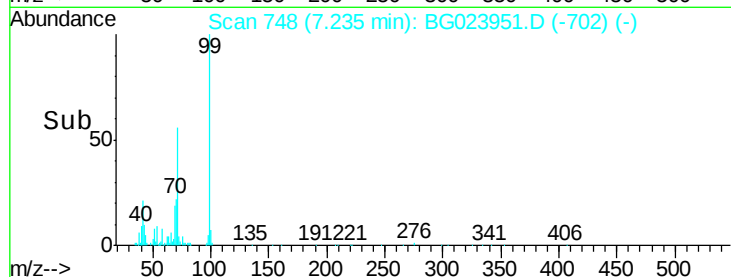
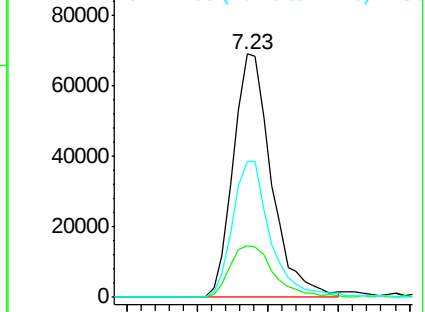
99 100

42 21.3 17.8 26.6

71 55.9 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



#11

bis(2-Chloroethyl)ether

Concen: 2.63 ng

RT: 7.39 min Scan# 775

Delta R.T. -0.11 min

Lab File: BG023951.D

Acq: 6 Sep 2016 17:32

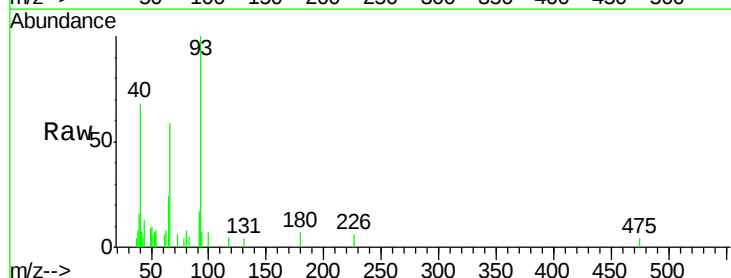
Tgt Ion: 93 Resp: 7449

Ion Ratio Lower Upper

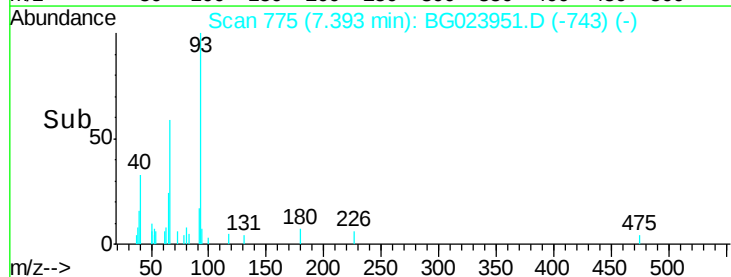
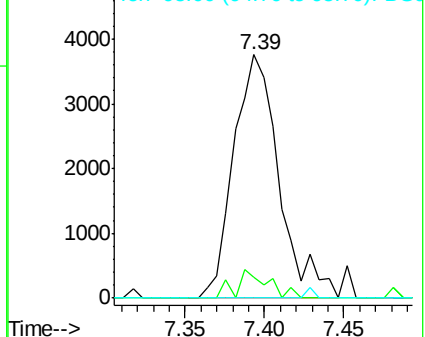
93 100

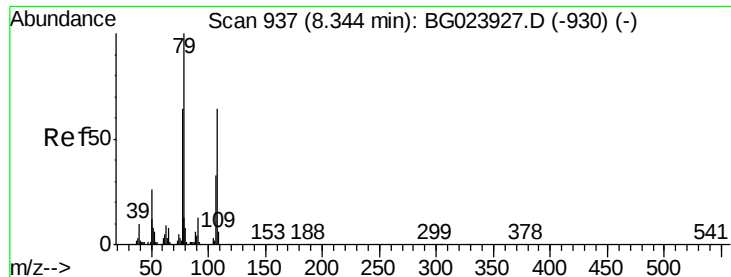
63 8.4 55.0 95.0#

95 0.0 11.0 51.0#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 2.71 ng

RT: 8.39 min Scan# 945

Delta R.T. 0.05 min

Lab File: BG023951.D

Acq: 6 Sep 2016 17:32

Instrument :

BNA_G

ClientSampleId :

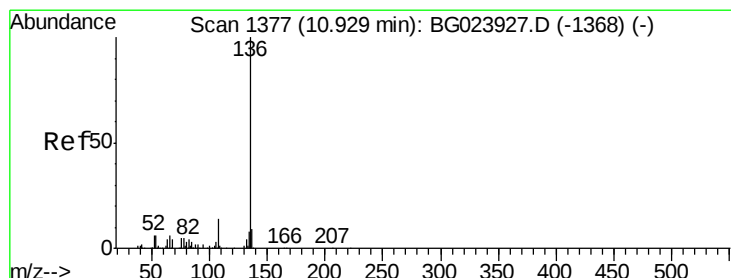
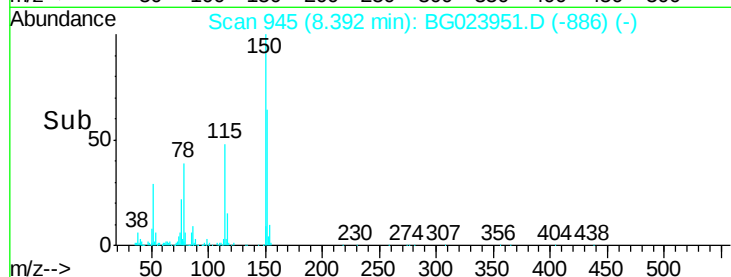
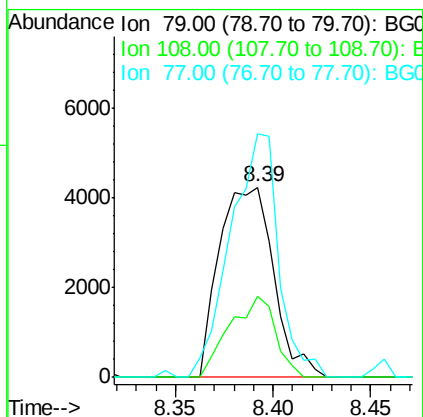
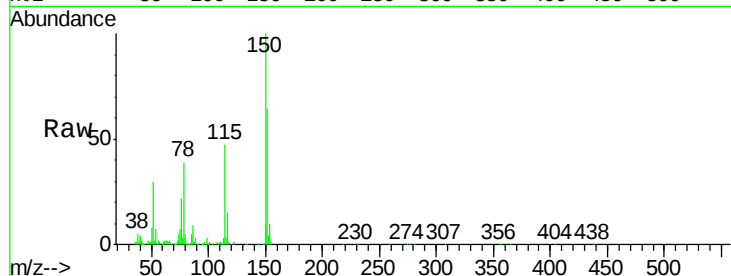
Tot Ion: 79 Resp: 8173

Ion Ratio Lower Upper

79 100

108 42.6 46.5 69.7#

77 127.9 52.3 78.5#



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 10.89 min Scan# 1371

Delta R.T. -0.03 min

Lab File: BG023951.D

Acq: 6 Sep 2016 17:32

Tgt Ion: 136 Resp: 348658

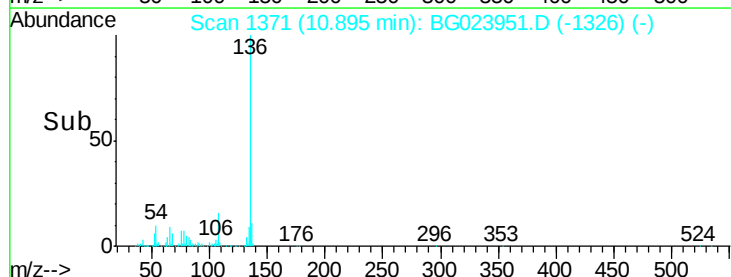
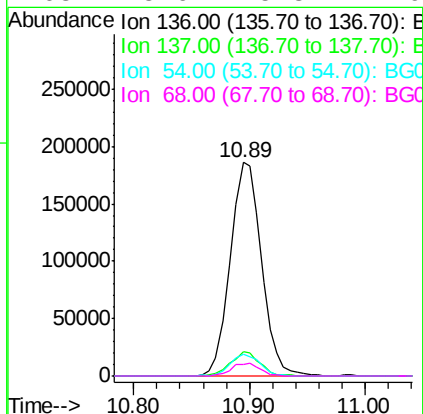
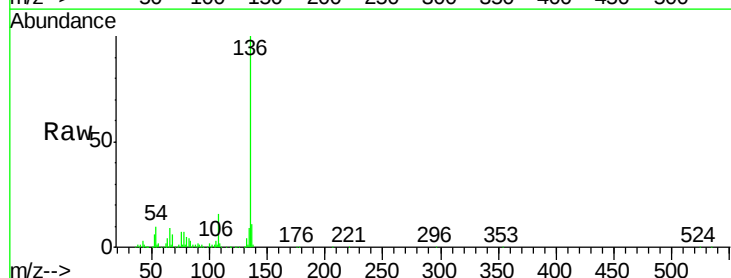
Ion Ratio Lower Upper

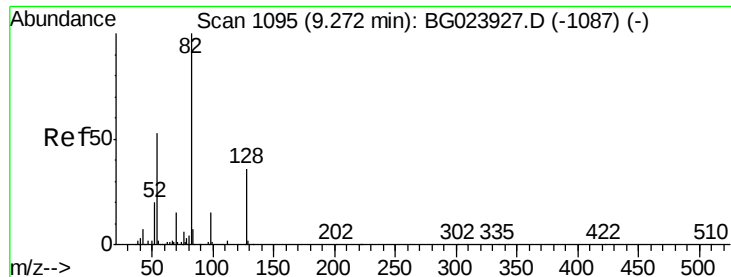
136 100

137 11.2 9.6 14.4

54 10.1 7.3 10.9

68 5.6 5.3 7.9

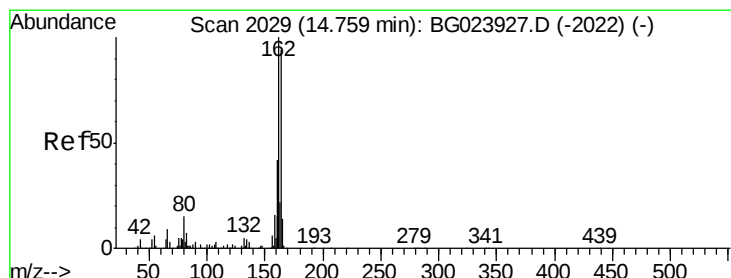
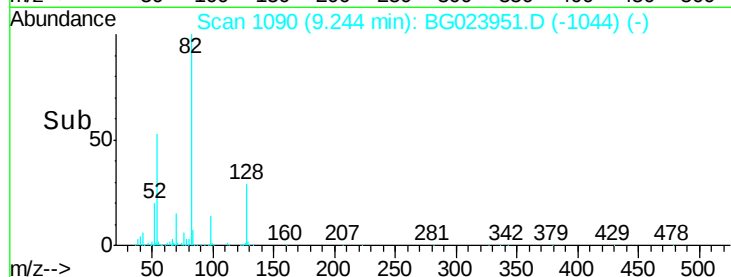
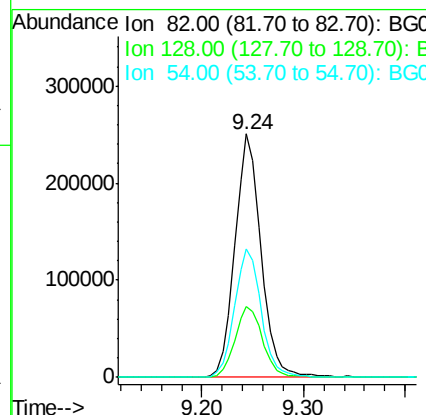
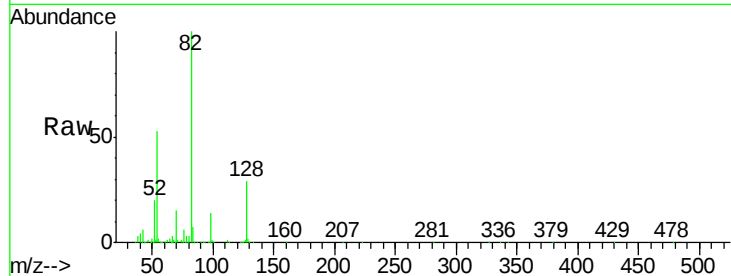




#23
 Nitrobenzene-d5
 Concen: 114.41 ng
 RT: 9.24 min Scan# 1090
 Delta R.T. -0.03 min
 Lab File: BG023951.D
 Acq: 6 Sep 2016 17:32

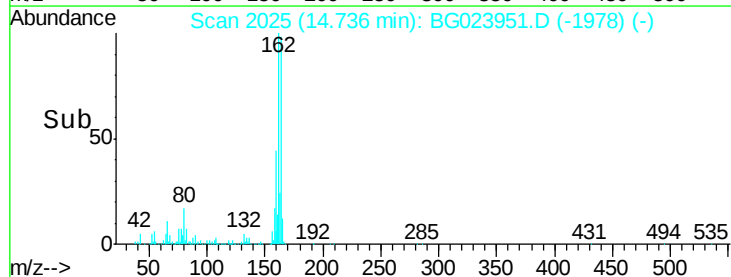
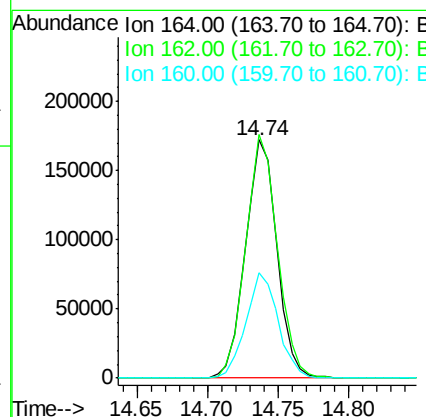
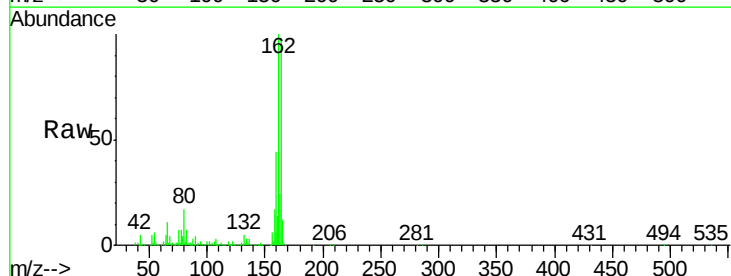
Instrument :
 BNA_G
 ClientSampleId :

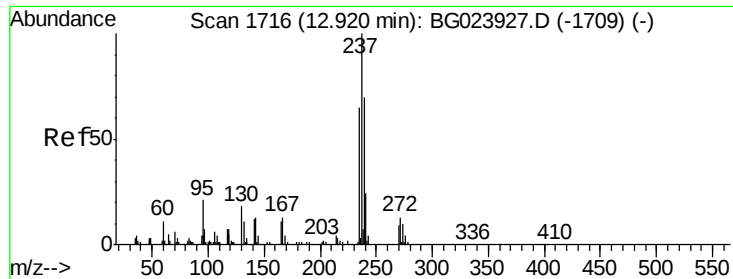
Tot Ion	82	Resp	446739
Ion Ratio	Lower	Upper	
82	100		
128	29.2	24.4	36.6
54	52.8	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 14.74 min Scan# 2025
 Delta R.T. -0.02 min
 Lab File: BG023951.D
 Acq: 6 Sep 2016 17:32

Tgt Ion	164	Resp	268794
Ion Ratio	Lower	Upper	
164	100		
162	102.2	87.7	131.5
160	44.4	37.2	55.8





#40

Hexachlorocyclopentadiene

Concen: 14.19 ng

RT: 13.00 min Scan# 1729

Delta R.T. 0.08 min

Lab File: BG023951.D

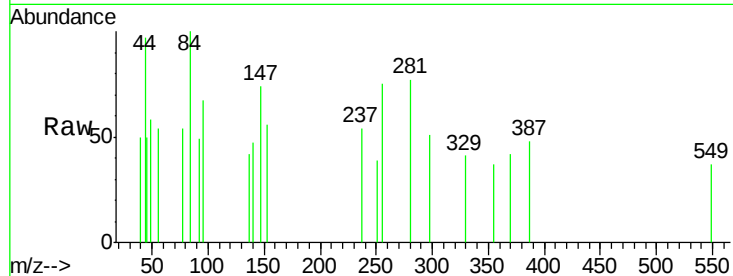
Acq: 6 Sep 2016 17:32

Instrument :

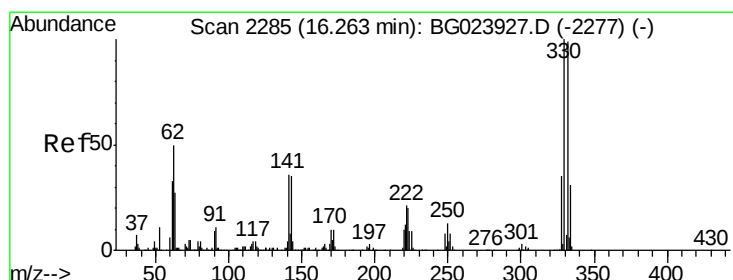
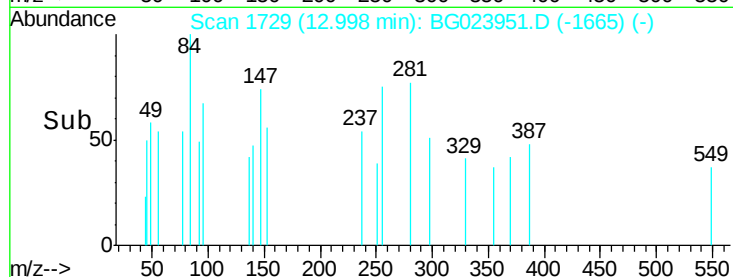
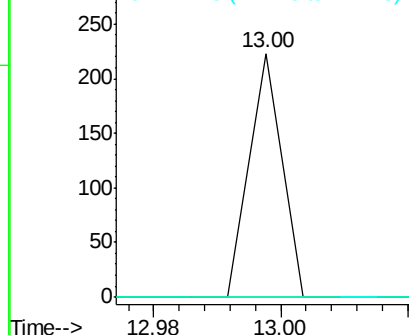
BNA_G

ClientSampled :

Tot Ion:237	Resp:	79
Ion Ratio	Lower	Upper
237	100	
235	0.0	43.1 83.1#
272	0.0	0.0 30.9



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 123.77 ng

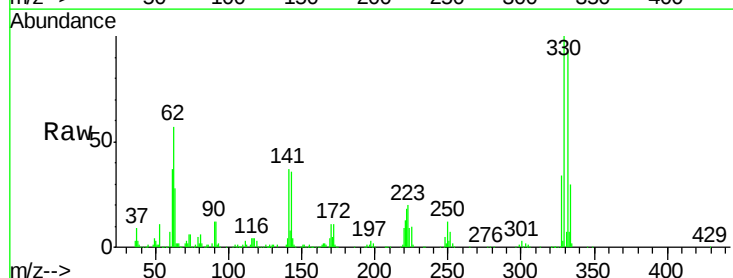
RT: 16.24 min Scan# 2281

Delta R.T. -0.02 min

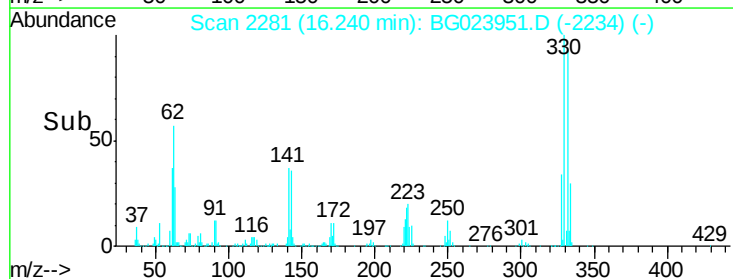
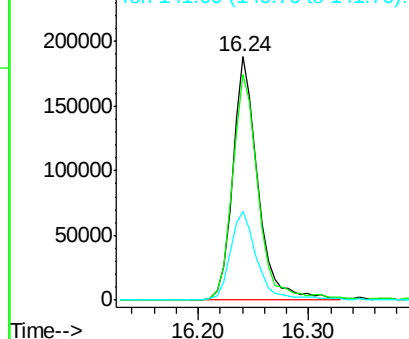
Lab File: BG023951.D

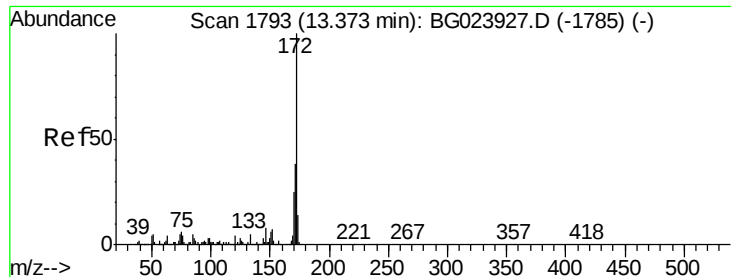
Acq: 6 Sep 2016 17:32

Tgt Ion:330	Resp:	299687
Ion Ratio	Lower	Upper
330	100	
332	96.0	77.4 116.2
141	38.9	31.7 47.5



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

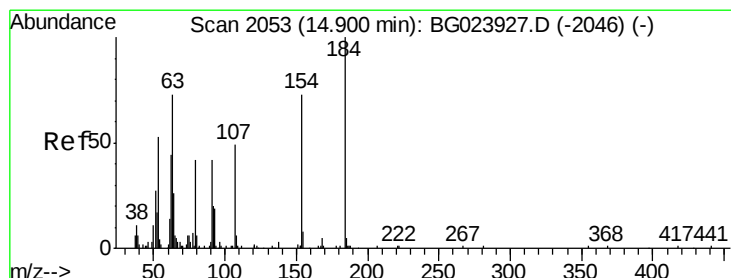
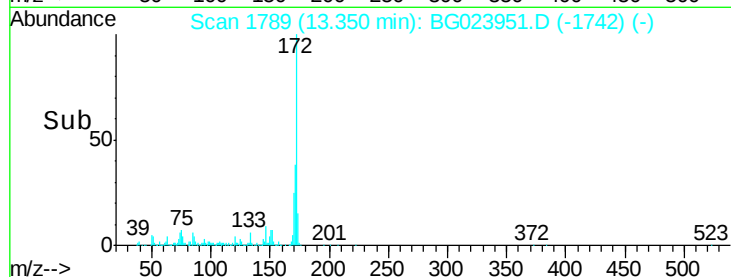
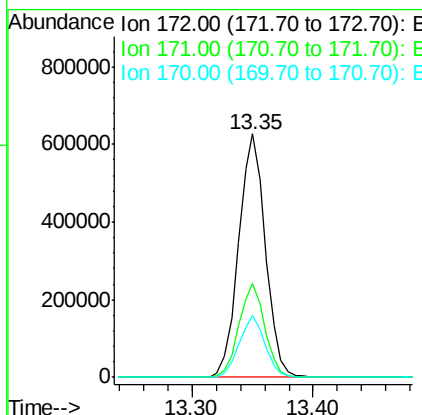
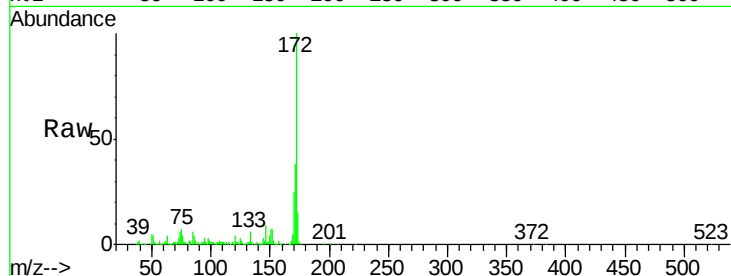




#44
2-Fluorobiphenyl
Concen: 103.16 ng
RT: 13.35 min Scan# 1789
Delta R.T. -0.02 min
Lab File: BG023951.D
Acq: 6 Sep 2016 17:32

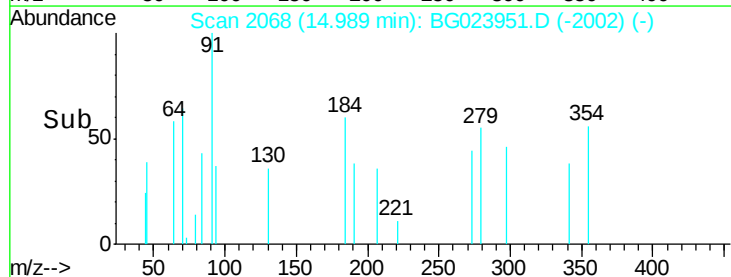
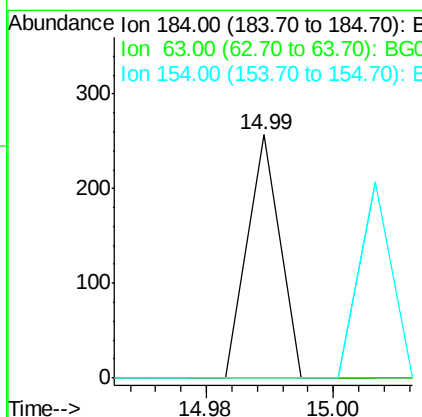
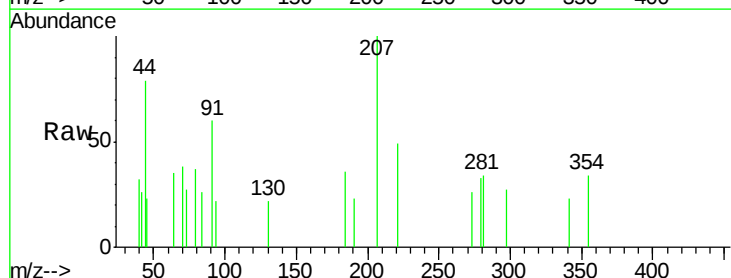
Instrument :
BNA_G
ClientSampled :

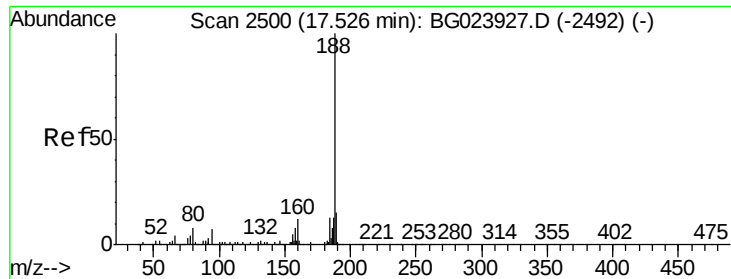
Tot Ion:172 Resp: 967063
Ion Ratio Lower Upper
172 100
171 38.5 31.6 47.4
170 25.4 21.3 31.9



#53
2,4-Dinitrophenol
Concen: 13.07 ng
RT: 14.99 min Scan# 2068
Delta R.T. 0.09 min
Lab File: BG023951.D
Acq: 6 Sep 2016 17:32

Tgt Ion:184 Resp: 91
Ion Ratio Lower Upper
184 100
63 0.0 59.6 89.4#
154 0.0 67.4 101.0#

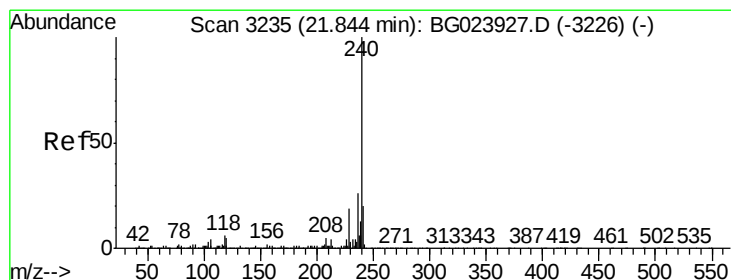
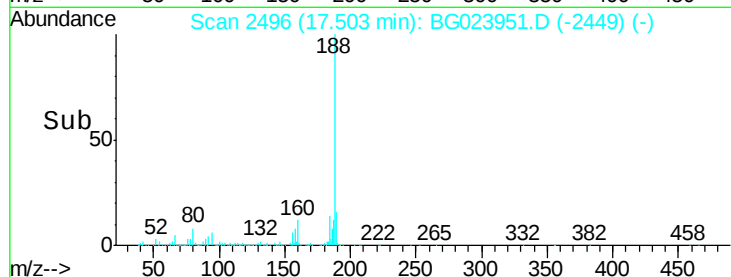
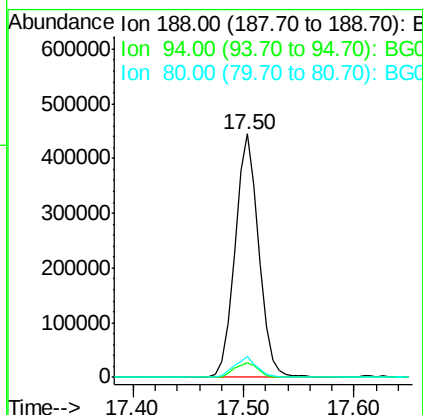
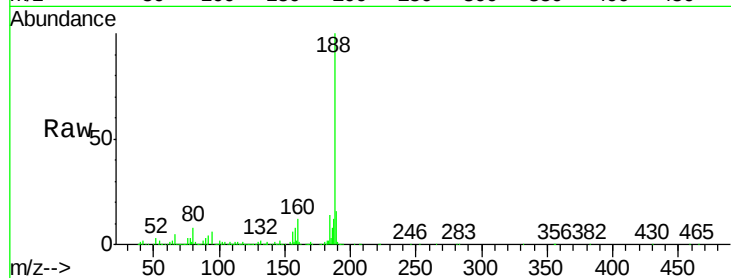




#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 17.50 min Scan# 2496
Delta R.T. -0.02 min
Lab File: BG023951.D
Acq: 6 Sep 2016 17:32

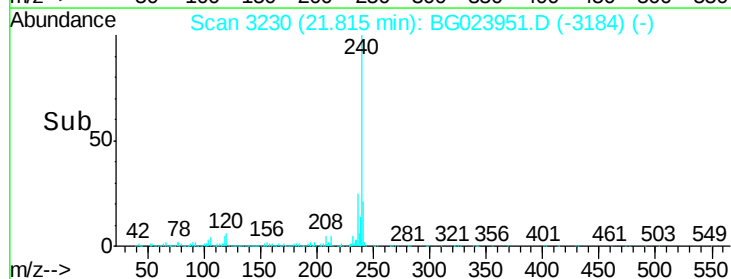
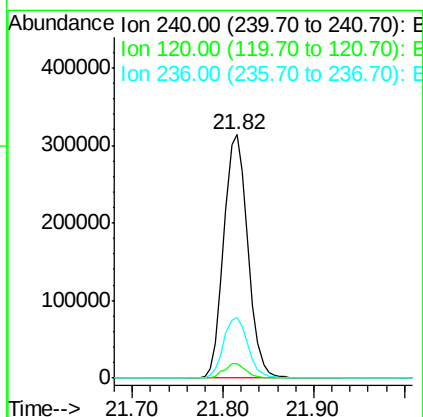
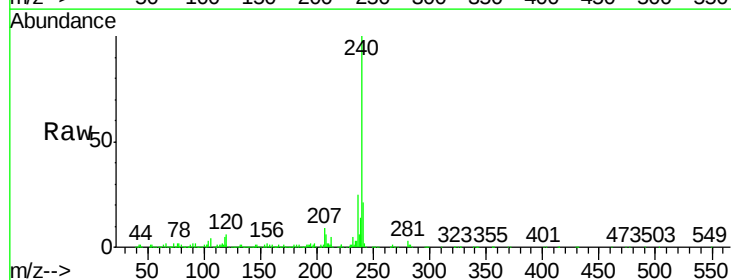
Instrument :
BNA_G
ClientSampleId :

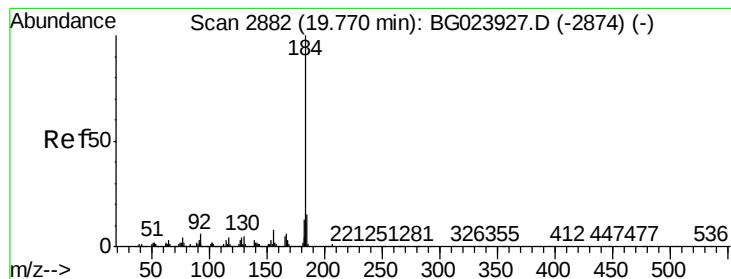
Tot Ion:188 Resp: 668734
Ion Ratio Lower Upper
188 100
94 6.0 5.2 7.8
80 8.4 7.2 10.8



#75
Chrysene-d12
Concen: 40.00 ng
RT: 21.82 min Scan# 3230
Delta R.T. -0.03 min
Lab File: BG023951.D
Acq: 6 Sep 2016 17:32

Tgt Ion:240 Resp: 575667
Ion Ratio Lower Upper
240 100
120 5.9 4.1 6.1
236 24.7 21.1 31.7





#76

Benzidine

Concen: 131.29 ng

RT: 19.75 min Scan# 2878

Delta R.T. -0.02 min

Lab File: BG023951.D

Acq: 6 Sep 2016 17:32

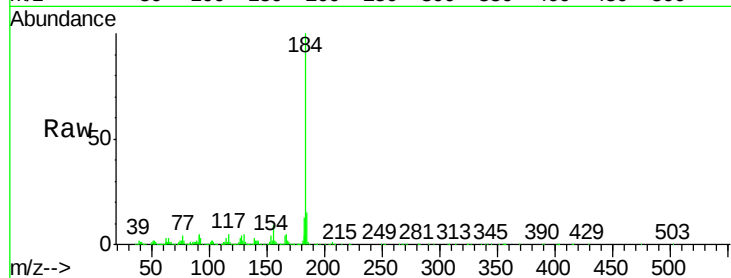
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 1170160

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.6	19.0
183	13.3	10.7	16.1

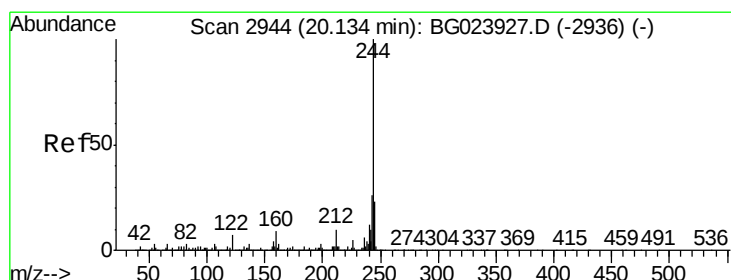
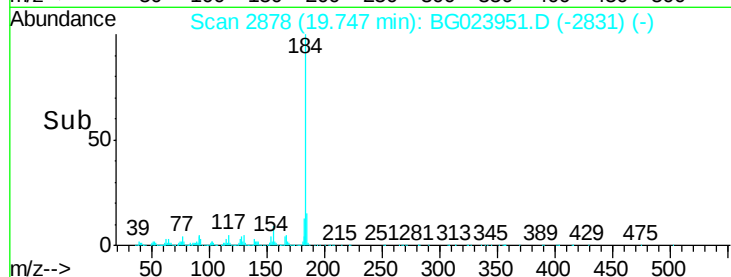
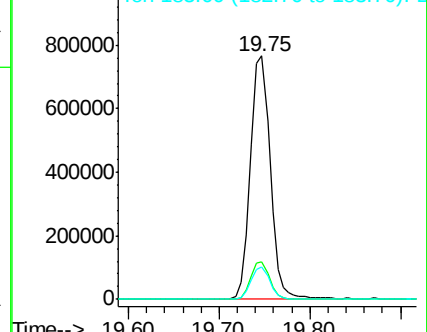


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 111.66 ng

RT: 20.11 min Scan# 2940

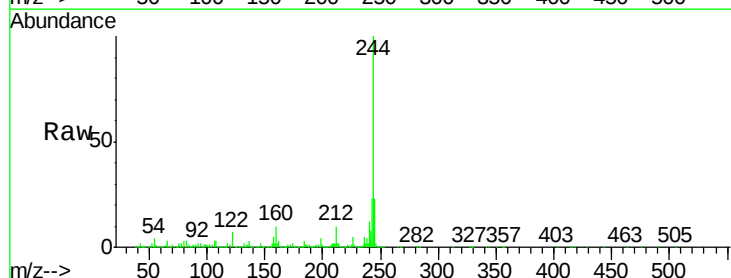
Delta R.T. -0.02 min

Lab File: BG023951.D

Acq: 6 Sep 2016 17:32

Tgt Ion:244 Resp: 1411236

Ion	Ratio	Lower	Upper
244	100		
212	10.1	10.8	16.2#
122	7.4	8.0	12.0#

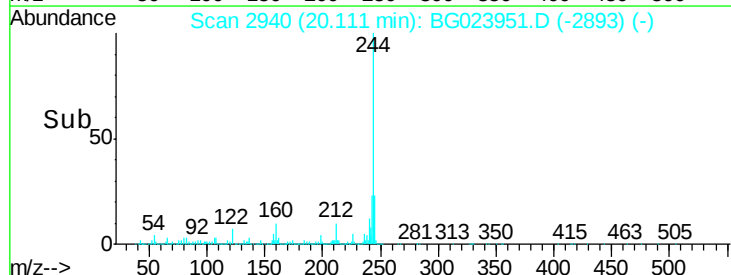
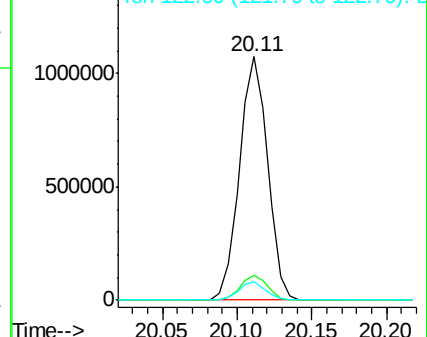


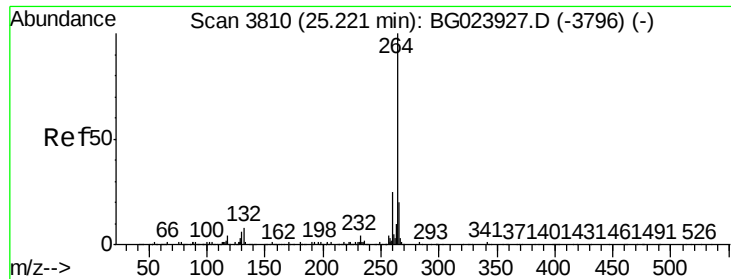
Abundance

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
Pervlene-d12
Concen: 40.00 ng
RT: 25.17 min Scan# 3801
Delta R.T. -0.05 min
Lab File: BG023951.D
Acq: 6 Sep 2016 17:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.3	18.4	27.6
265	21.9	18.9	28.3

