

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091317\
 Data File : BG028722.D
 Acq On : 14 Sep 2017 8:03
 Operator : SJ/JU
 Sample : I5222-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 14 11:00:37 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

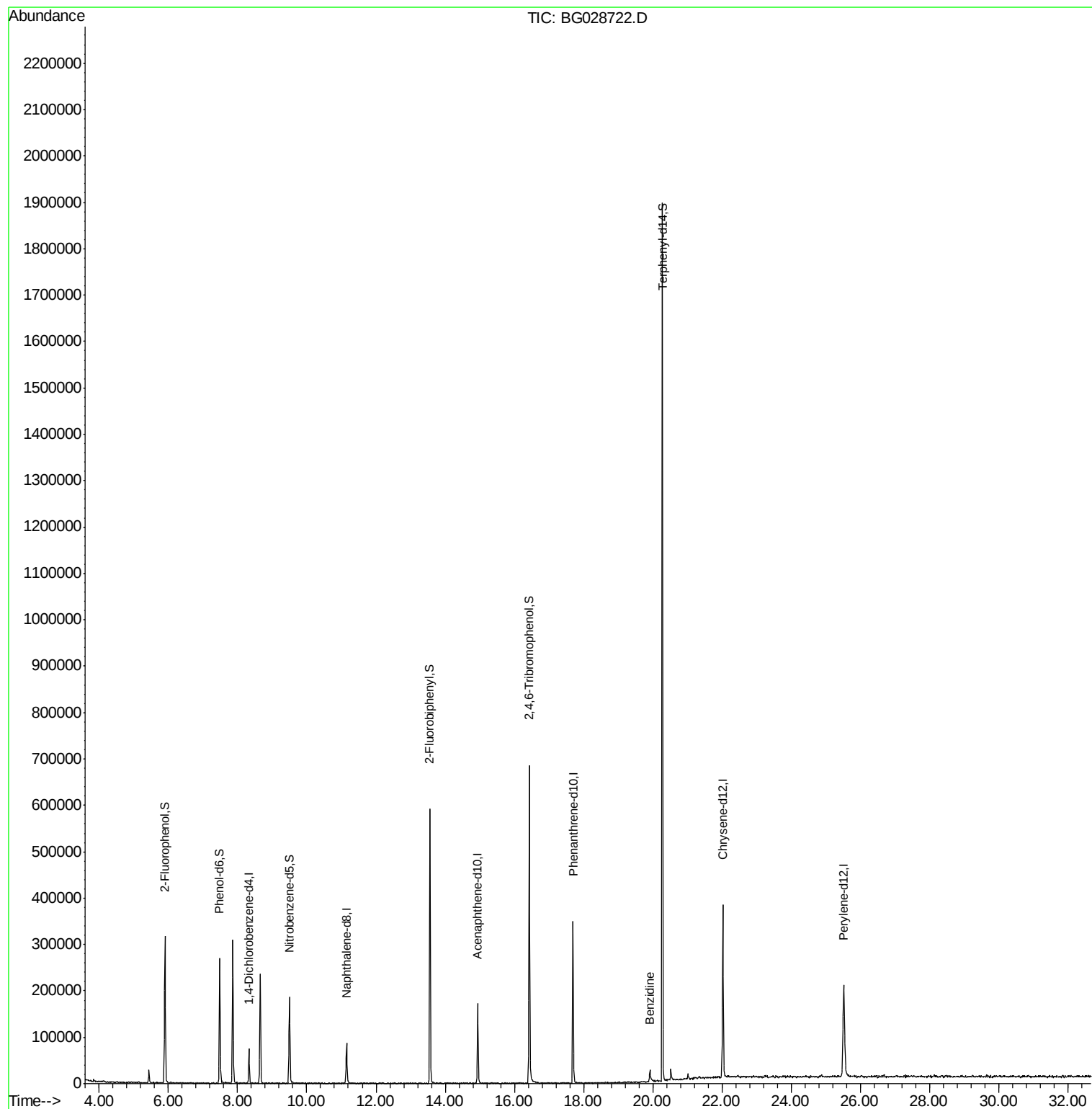
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	20248	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	83173	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	67549	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	230428	20.00	ng	0.00
75) Chrysene-d12	22.02	240	268731	20.00	ng	0.00
86) Perylene-d12	25.52	264	275362	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	136447	111.19	ng	0.00
7) Phenol-d6	7.48	99	168469	91.18	ng	0.00
23) Nitrobenzene-d5	9.50	82	124160	71.41	ng	0.00
41) 2,4,6-Tribromophenol	16.43	330	159371	142.65	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	343423	67.79	ng	0.00
78) Terphenyl-d14	20.27	244	928843	73.71	ng	0.00
Target Compounds						
76) Benzidine	19.91	184	29154	4.183	ng	Qvalue # 92

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

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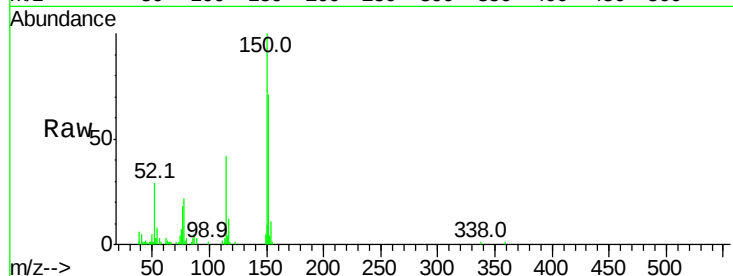


#1

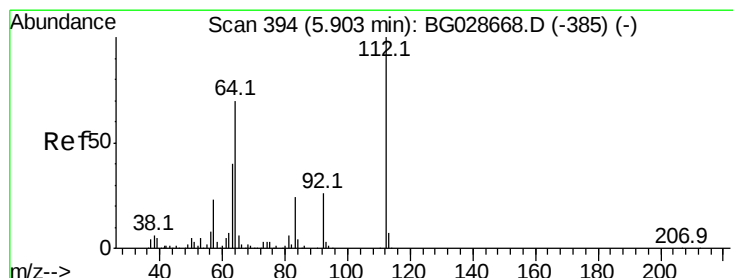
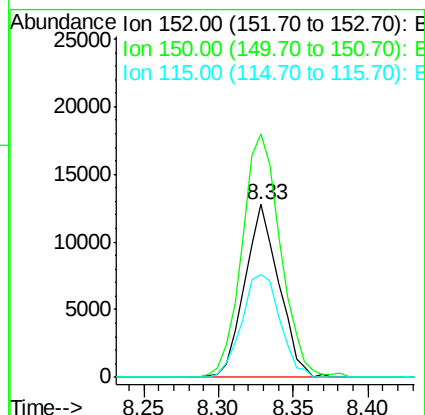
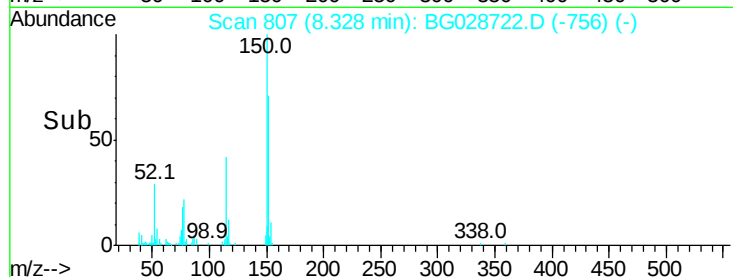
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.33 min Scan# 807
Delta R.T. -0.00 min
Lab File: BG028722.D
Acq: 14 Sep 2017 8:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.7	114.0	171.0
115	59.4	48.1	72.1



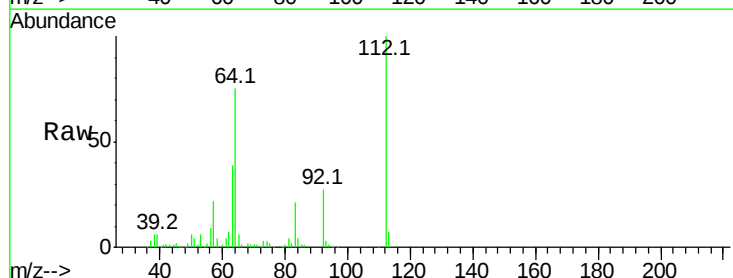
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



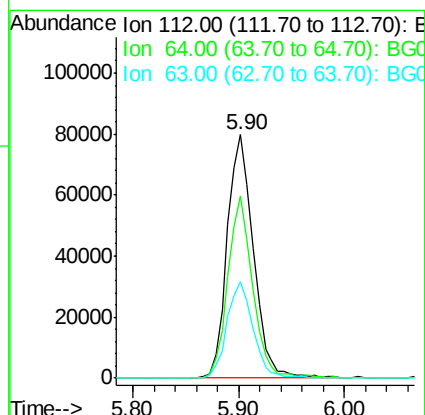
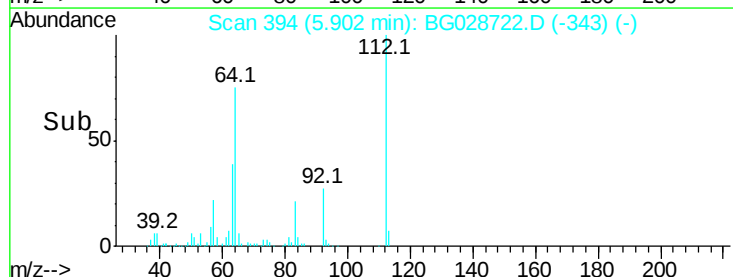
#5

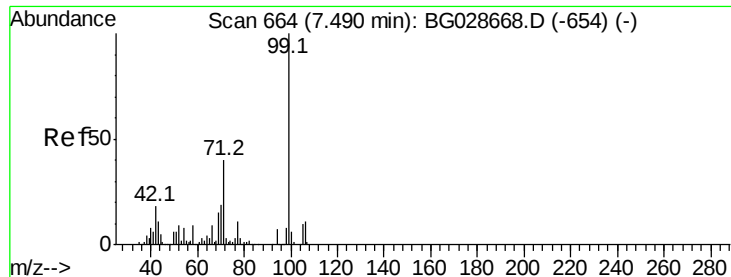
2-Fluorophenol
Concen: 111.193 ng
RT: 5.90 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG028722.D
Acq: 14 Sep 2017 8:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.9	61.8	92.6
63	39.4	37.2	55.8



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: 91.184 ng

RT: 7.48 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

Instrument :

BNA_G

ClientSampleId :

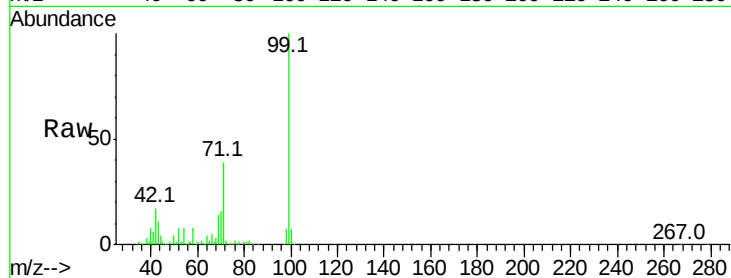
Tot Ion: 99 Resp: 168469

Ion Ratio Lower Upper

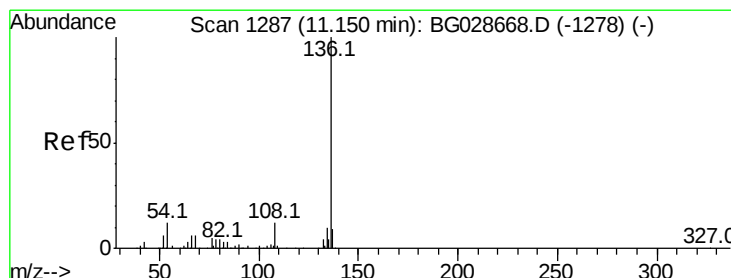
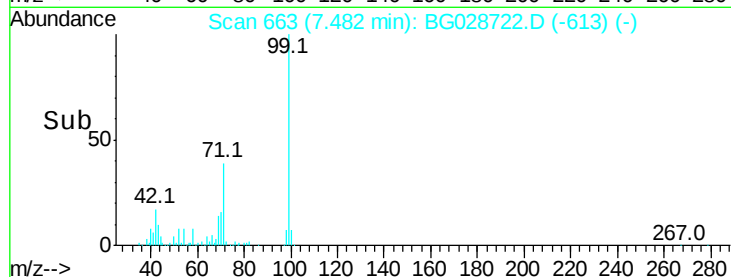
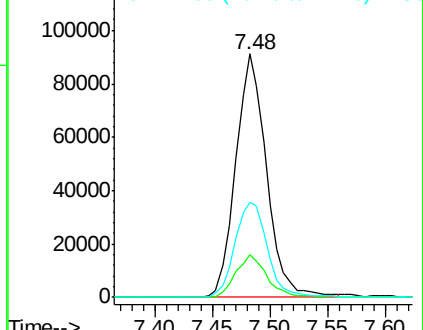
99 100

42 17.4 20.5 30.7#

71 38.9 37.6 56.4



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: 20.000 ng

RT: 11.15 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

Tgt Ion: 136 Resp: 83173

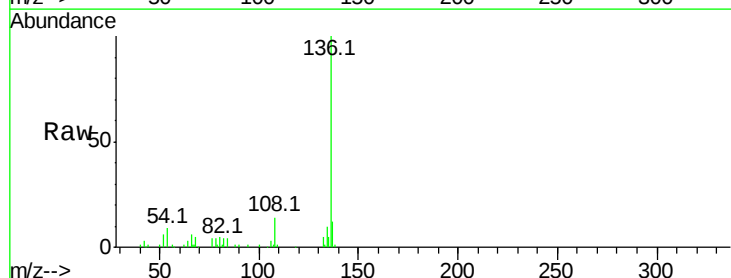
Ion Ratio Lower Upper

136 100

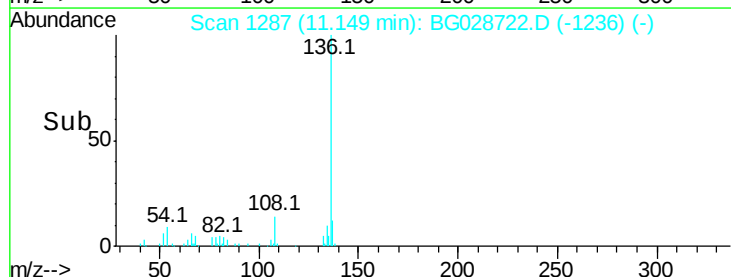
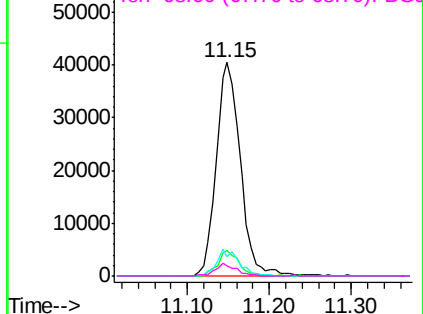
137 11.8 8.9 13.3

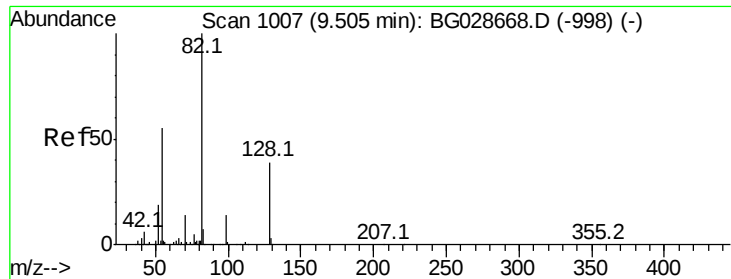
54 8.8 9.3 13.9#

68 5.1 5.1 7.7#



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

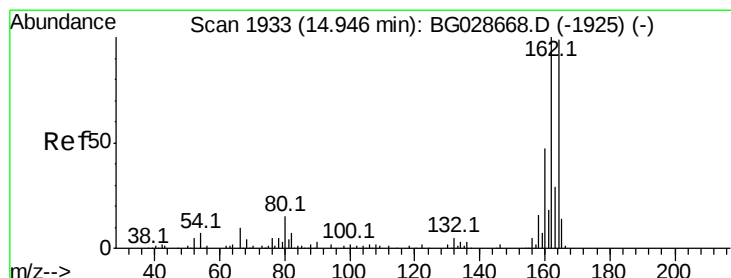
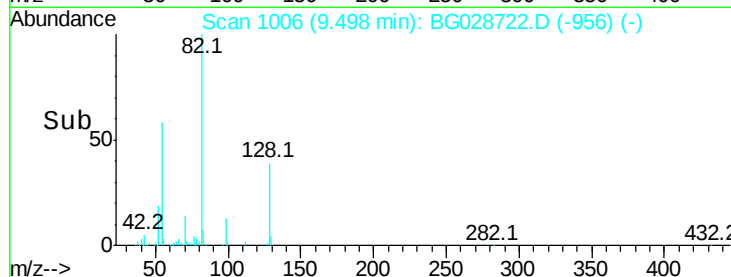
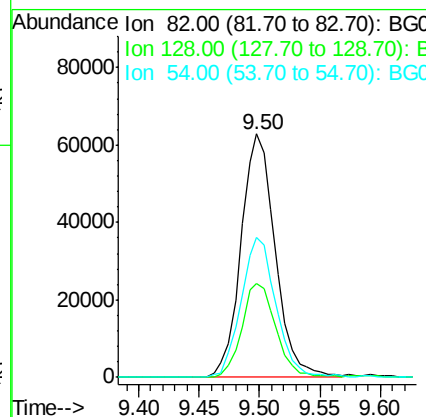
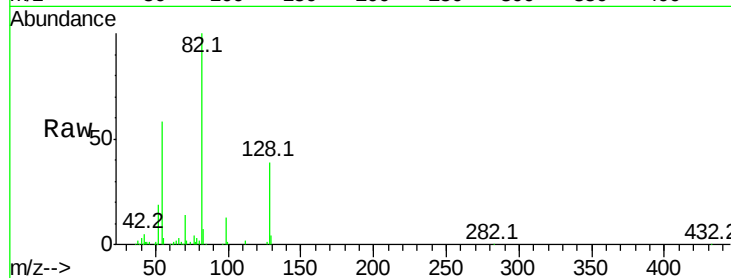




#23
Nitrobenzene-d5
Concen: 71.411 ng
RT: 9.50 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG028722.D
Acq: 14 Sep 2017 8:03

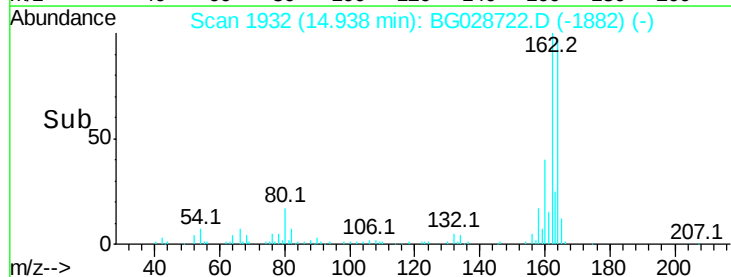
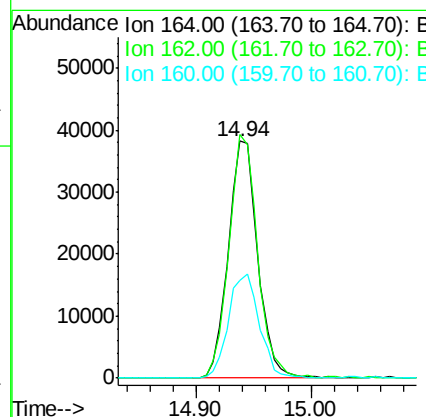
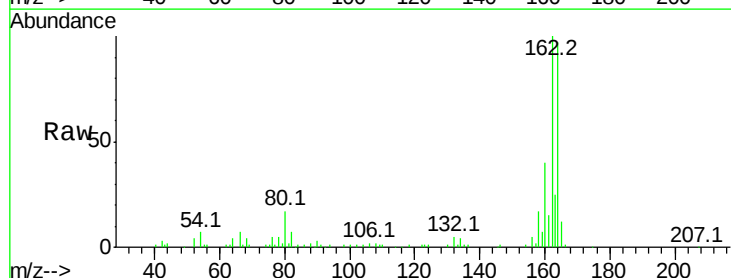
Instrument :
BNA_G
ClientSampleId :

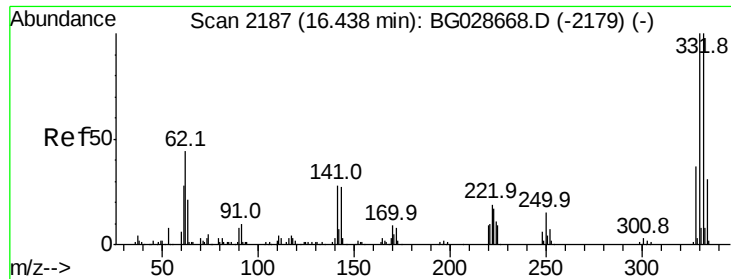
Tot Ion: 82 Resp: 124160
Ion Ratio Lower Upper
82 100
128 38.7 26.4 39.6
54 57.5 49.4 74.2



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.94 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG028722.D
Acq: 14 Sep 2017 8:03

Tgt Ion: 164 Resp: 67549
Ion Ratio Lower Upper
164 100
162 102.8 85.1 127.7
160 41.3 34.7 52.1

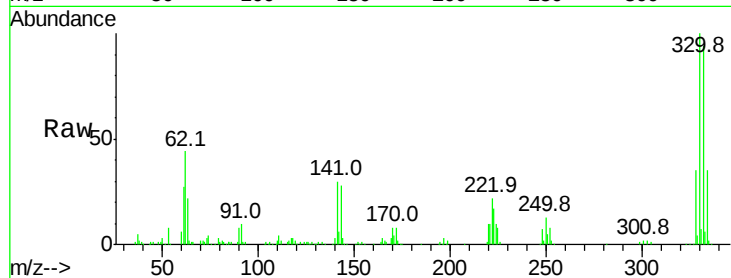




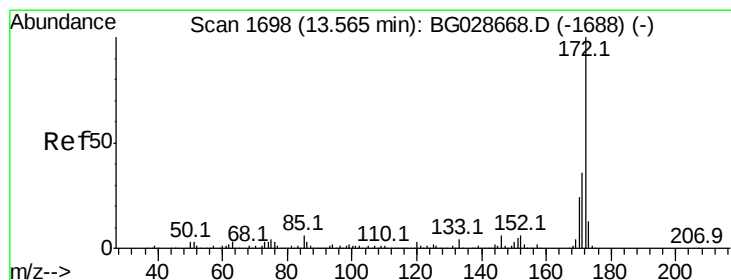
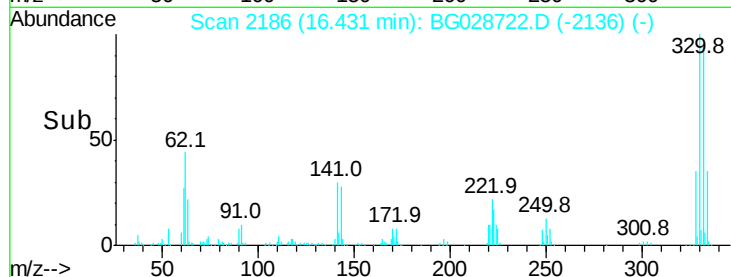
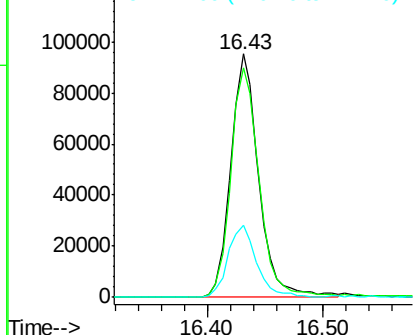
#41
 2,4,6-Tribromophenol
 Concen: 142.650 ng
 RT: 16.43 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BG028722.D
 Acq: 14 Sep 2017 8:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	30.4	32.1	48.1#

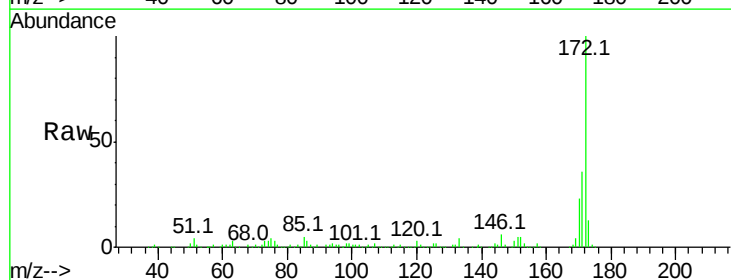


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

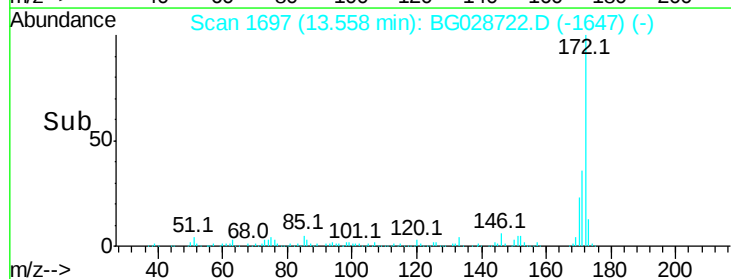
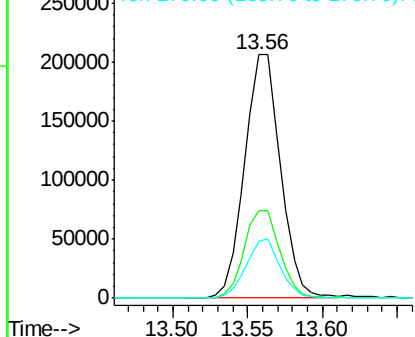


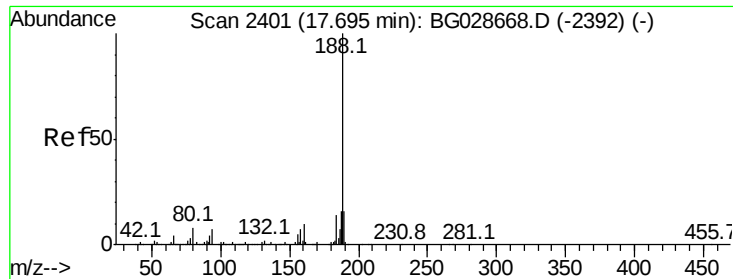
#44
 2-Fluorobiphenyl
 Concen: 67.792 ng
 RT: 13.56 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG028722.D
 Acq: 14 Sep 2017 8:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	32.2	48.2
170	23.3	21.8	32.6



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: 20.000 ng

RT: 17.69 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

Instrument :

BNA_G

ClientSampleId :

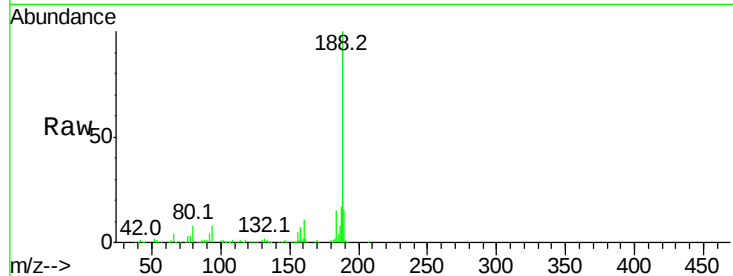
Tot Ion:188 Resp: 230428

Ion Ratio Lower Upper

188 100

94 7.7 5.8 8.8

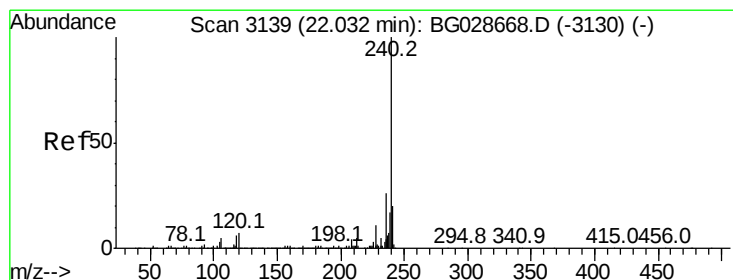
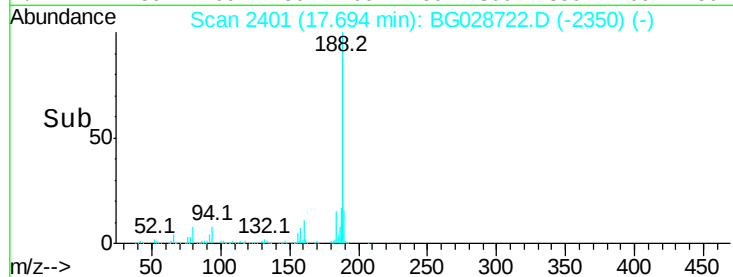
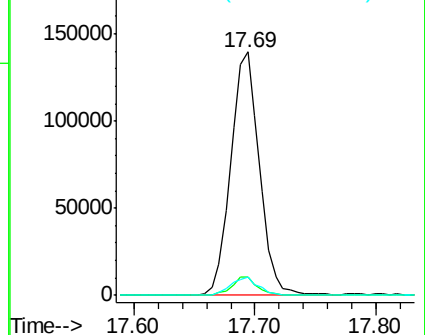
80 7.6 7.5 11.3



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.02 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

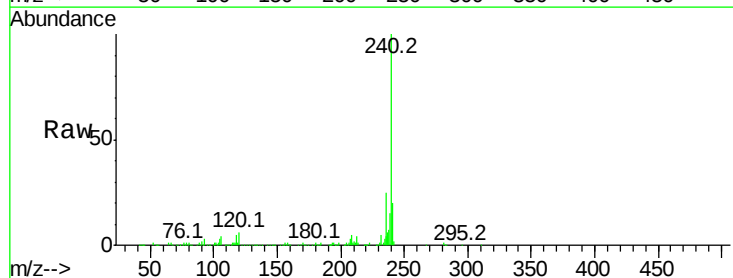
Tgt Ion:240 Resp: 268731

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

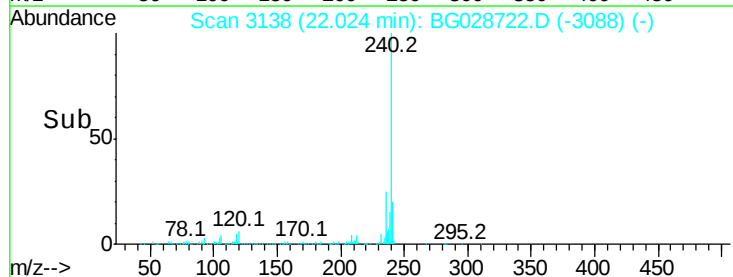
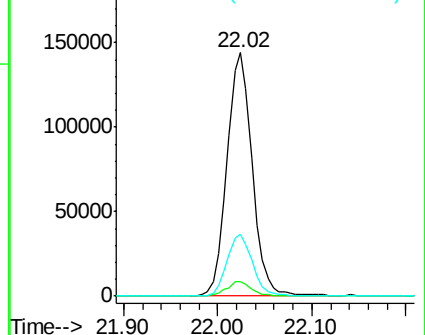
236 25.4 22.2 33.4

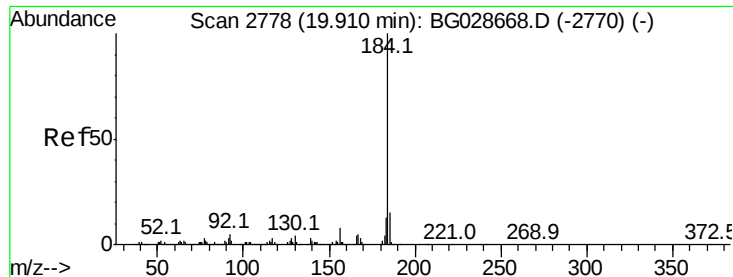


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 4.183 ng

RT: 19.91 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

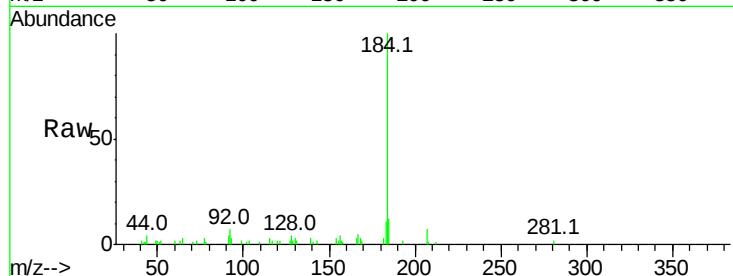
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 29154

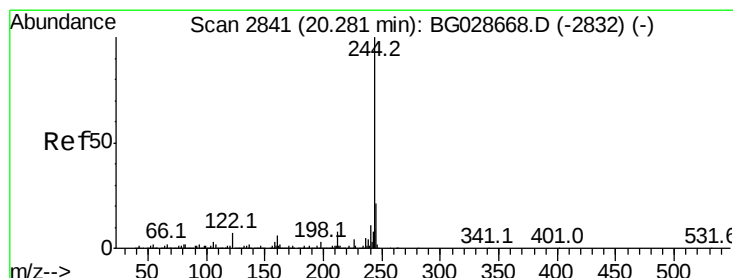
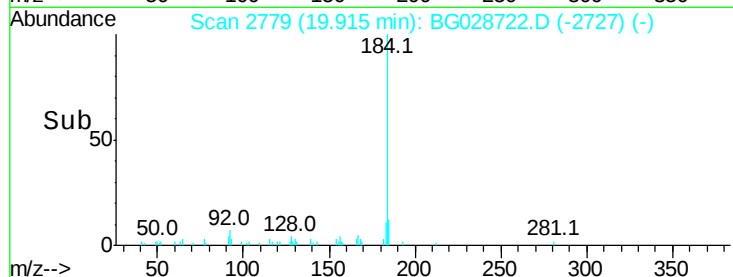
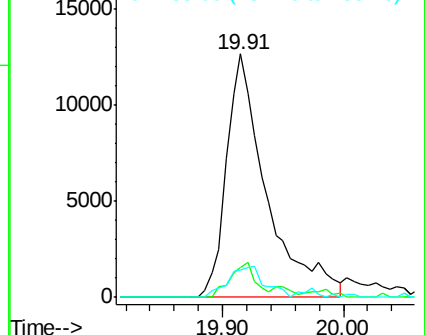
Ion	Ratio	Lower	Upper
184	100		
185	12.0	13.0	19.6#
183	11.2	11.0	16.6



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: 73.710 ng

RT: 20.27 min Scan# 2840

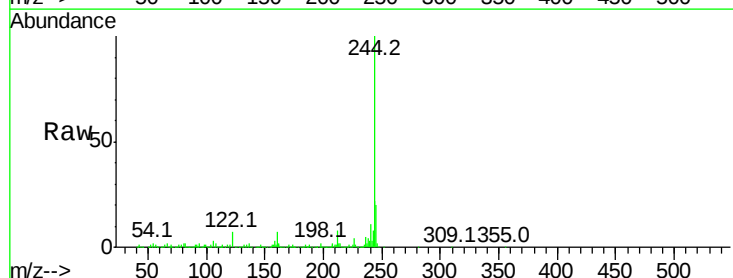
Delta R.T. -0.01 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

Tgt Ion:244 Resp: 928843

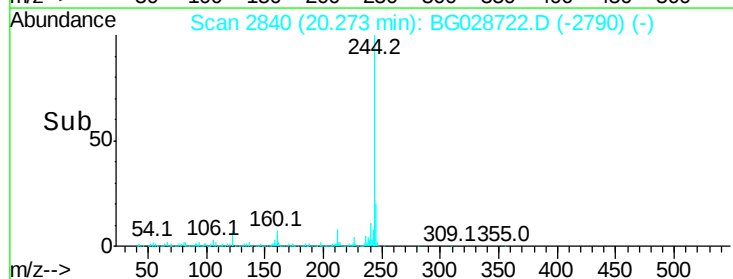
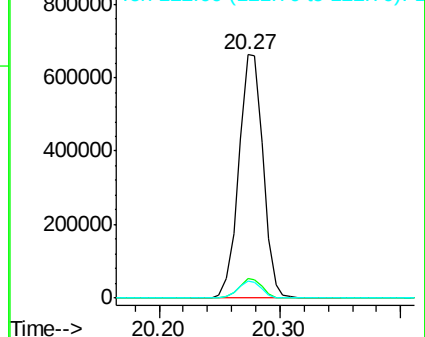
Ion	Ratio	Lower	Upper
244	100		
212	8.0	10.0	15.0#
122	7.1	8.6	12.8#

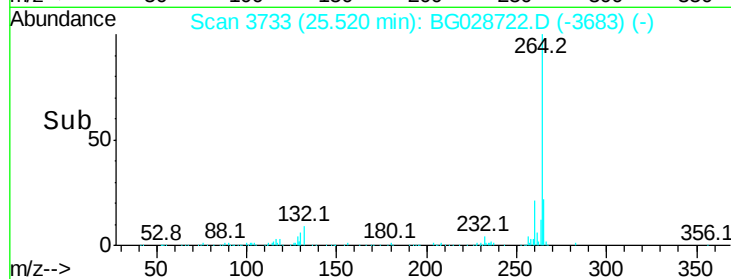
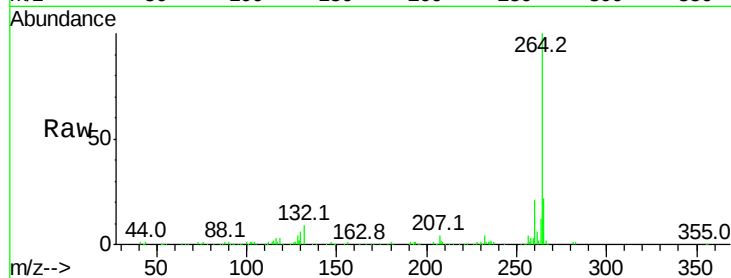
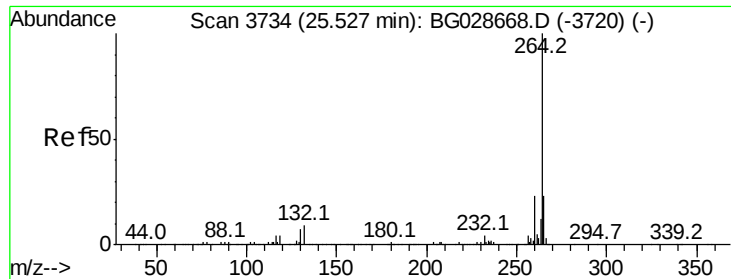


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 25.52 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 275362

Ion Ratio Lower Upper

264 100

260 20.8 21.8 32.8#

265 21.6 18.2 27.4

