

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\
 Data File : BG028805.D
 Acq On : 18 Sep 2017 21:39
 Operator : SJ/JU
 Sample : I5259-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 01:13:23 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

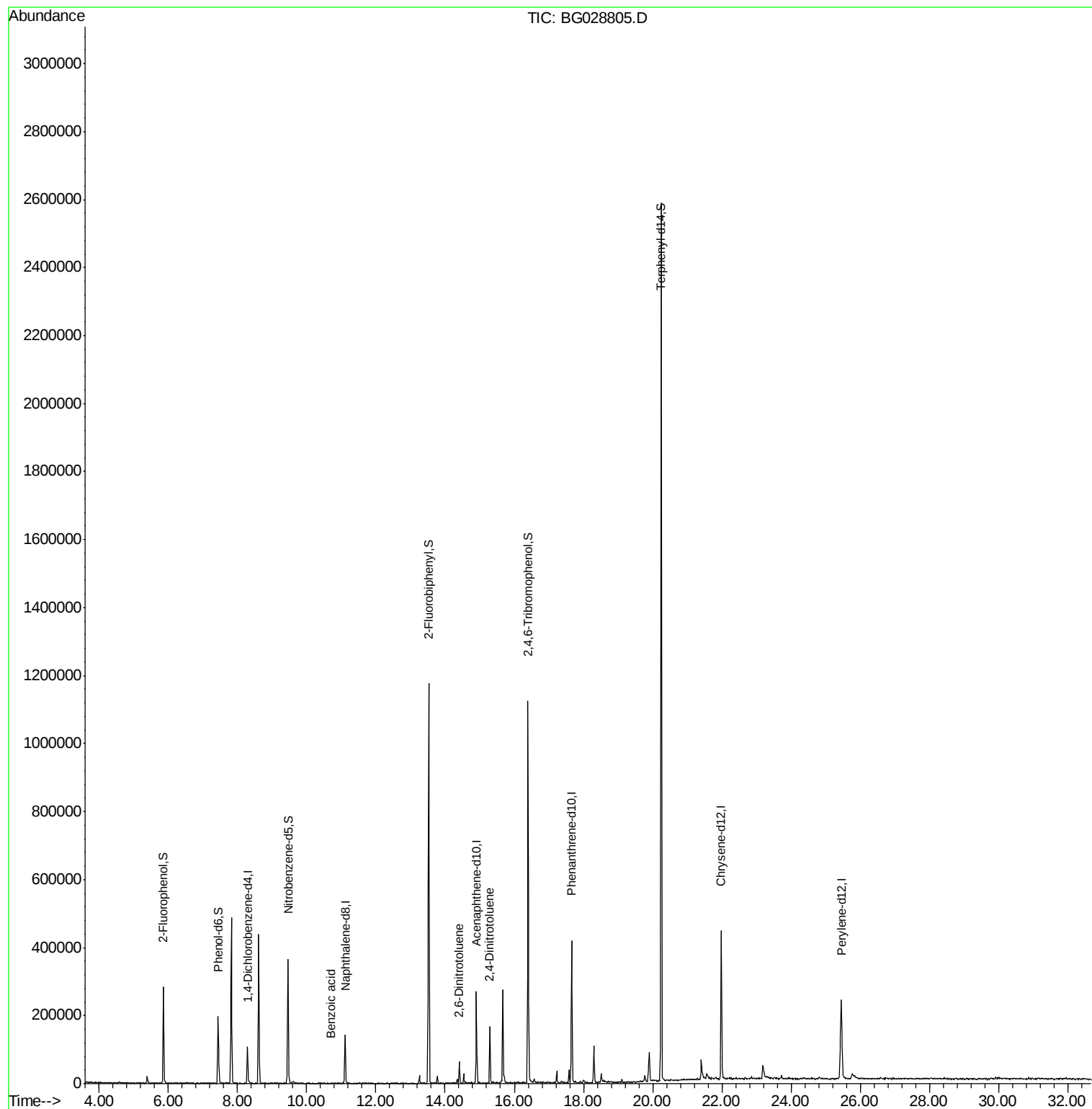
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	30358	20.00	ng	-0.04
21) Naphthalene-d8	11.11	136	124097	20.00	ng	-0.04
38) Acenaphthene-d10	14.91	164	96342	20.00	ng	-0.04
63) Phenanthrene-d10	17.66	188	269974	20.00	ng	-0.04
75) Chrysene-d12	21.98	240	297412	20.00	ng	-0.05
86) Perylene-d12	25.45	264	311249	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	122797	66.74	ng	-0.04
7) Phenol-d6	7.44	99	122816	44.34	ng	-0.05
23) Nitrobenzene-d5	9.46	82	238226	91.83	ng	-0.05
41) 2,4,6-Tribromophenol	16.40	330	249056	156.30	ng	-0.04
44) 2-Fluorobiphenyl	13.53	172	633764	87.72	ng	-0.04
78) Terphenyl-d14	20.25	244	1185540	85.01	ng	-0.03
Target Compounds						
32) Benzoic acid	10.69	122	61	6.12	ng	# 1
50) 2,6-Dinitrotoluene	14.41	165	9326	5.19	ng	# 11
56) 2,4-Dinitrotoluene	15.29	165	7647	3.03	ng	# 18

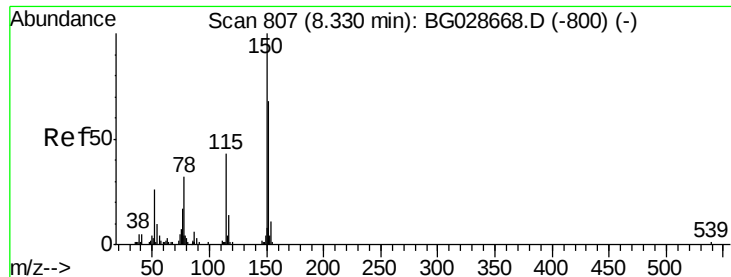
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.29 min Scan# 800

Delta R.T. -0.04 min

Lab File: BG028805.D

Acq: 18 Sep 2017 21:39

Instrument :

BNA_G

ClientSampleId :

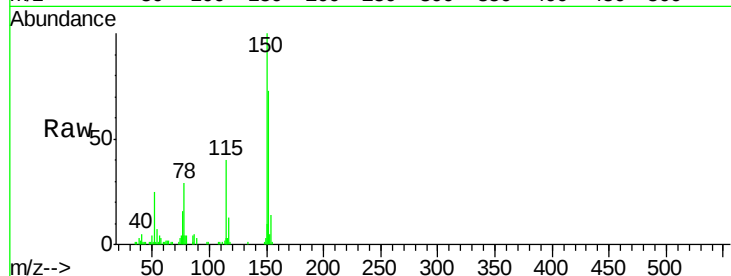
Tot Ion:152 Resp: 30358

Ion Ratio Lower Upper

152 100

150 137.9 114.0 171.0

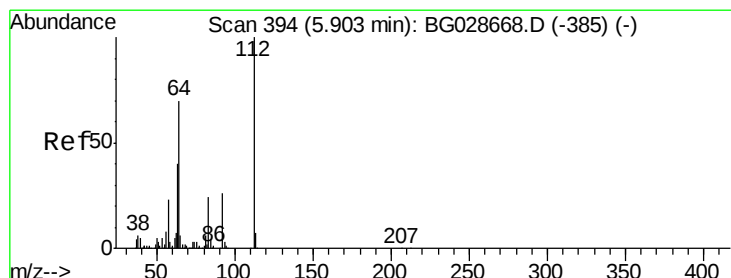
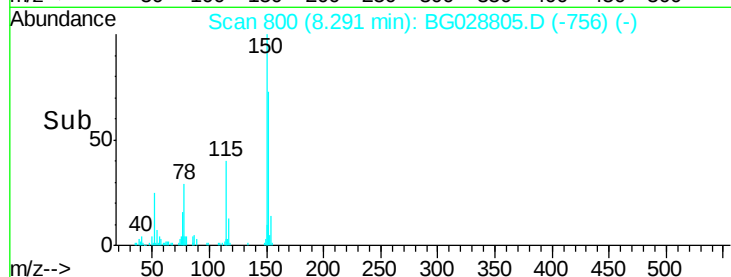
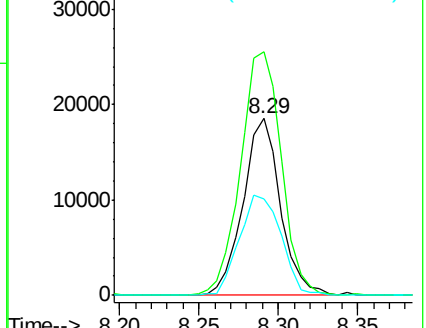
115 54.5 48.1 72.1



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: 66.74 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.04 min

Lab File: BG028805.D

Acq: 18 Sep 2017 21:39

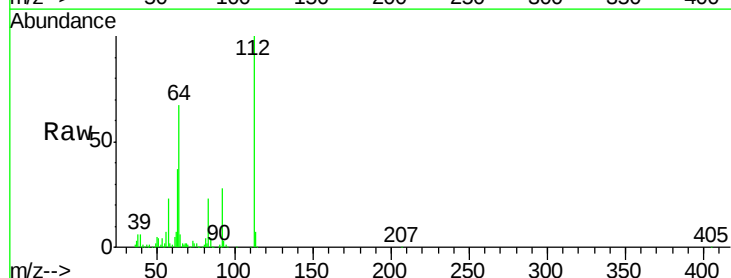
Tgt Ion:112 Resp: 122797

Ion Ratio Lower Upper

112 100

64 66.7 61.8 92.6

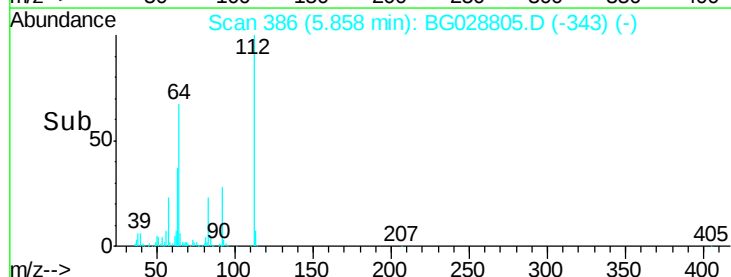
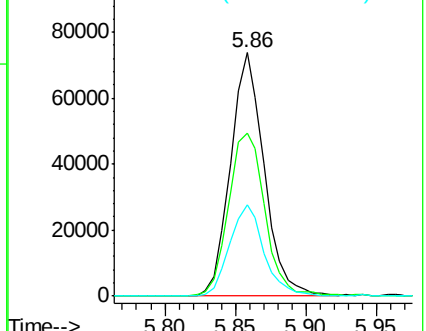
63 37.4 37.2 55.8

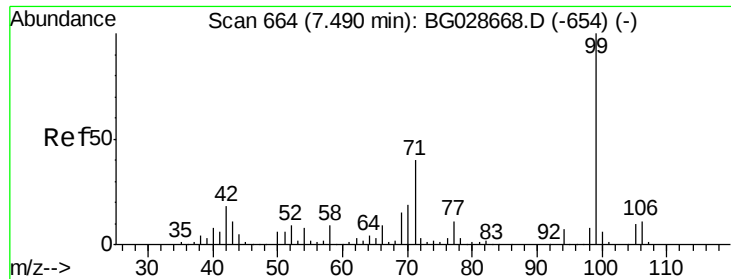


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 44.34 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028805.D

Acq: 18 Sep 2017 21:39

Instrument :

BNA_G

ClientSampleId :

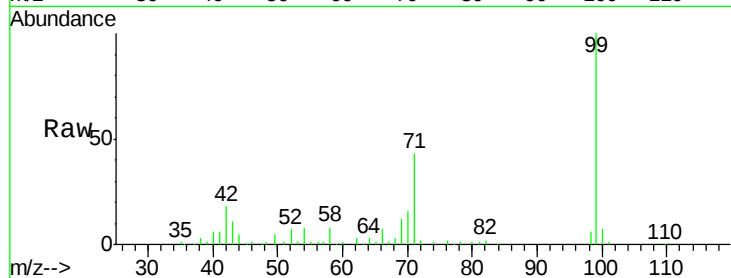
Tot Ion: 99 Resp: 122816

Ion Ratio Lower Upper

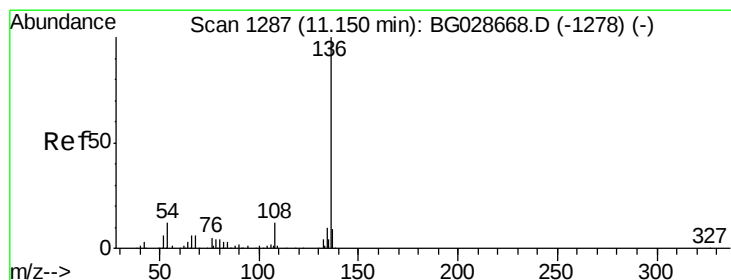
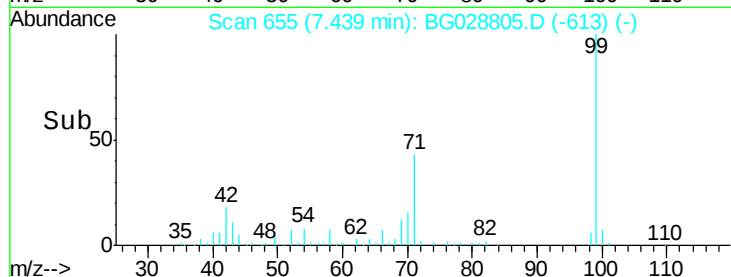
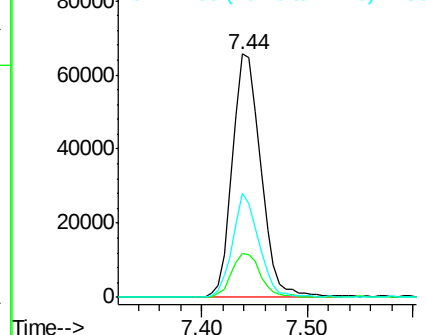
99 100

42 18.1 20.5 30.7#

71 42.5 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: 20.00 ng

RT: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028805.D

Acq: 18 Sep 2017 21:39

Tgt Ion: 136 Resp: 124097

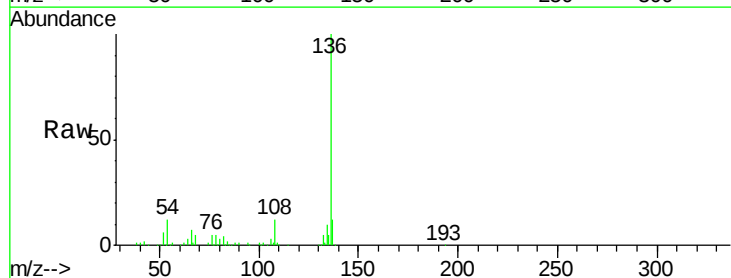
Ion Ratio Lower Upper

136 100

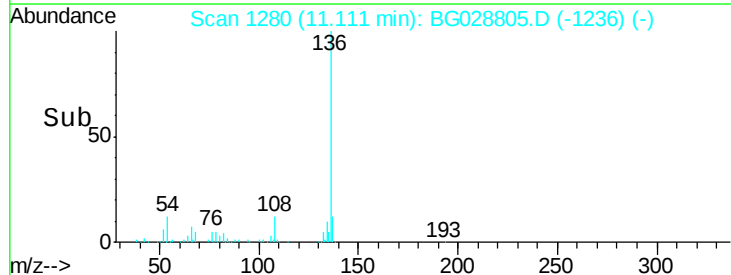
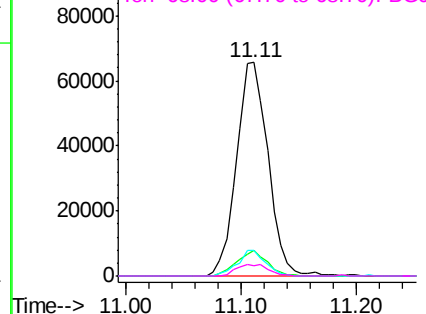
137 11.7 8.9 13.3

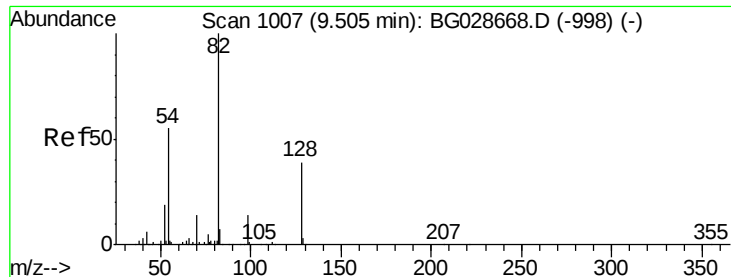
54 12.1 9.3 13.9

68 5.0 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

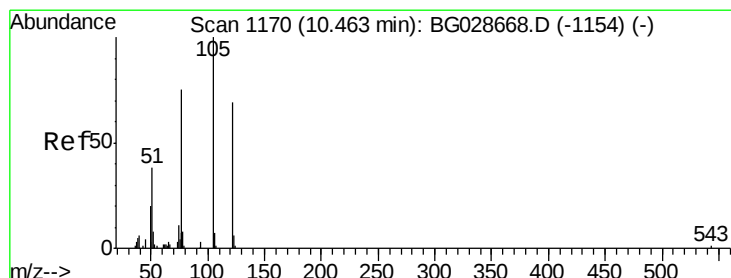
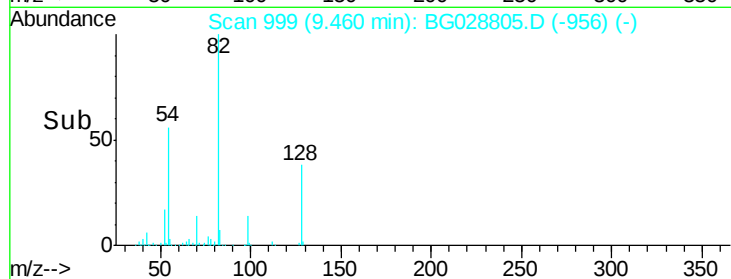
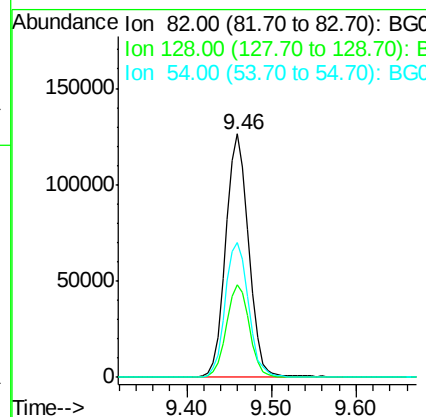
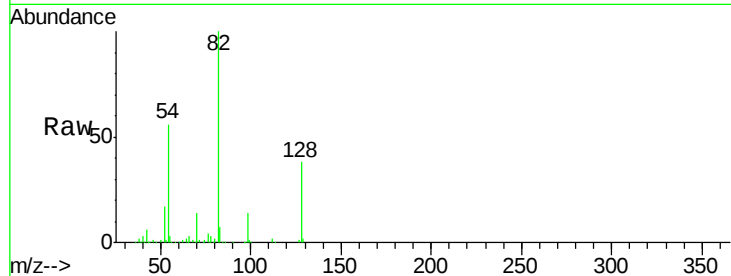




#23
 Nitrobenzene-d5
 Concen: 91.83 ng
 RT: 9.46 min Scan# 999
 Delta R.T. -0.05 min
 Lab File: BG028805.D
 Acq: 18 Sep 2017 21:39

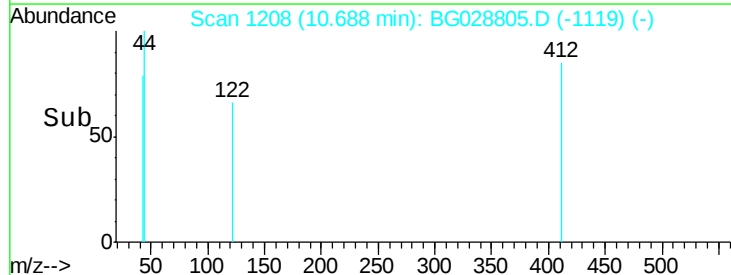
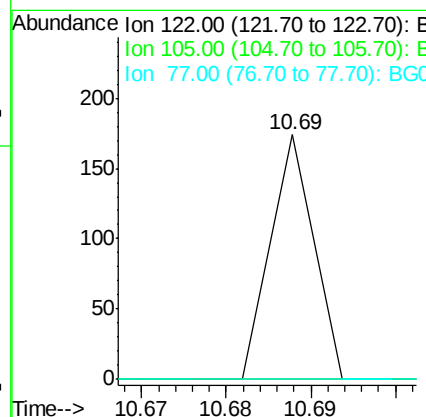
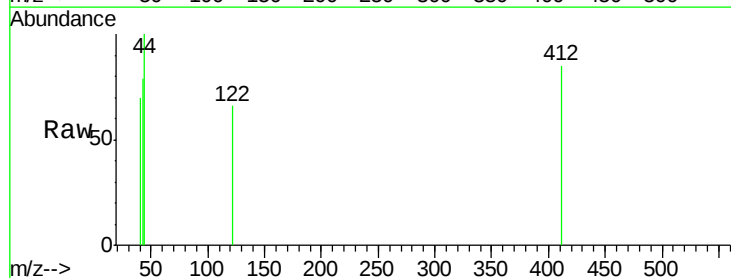
Instrument :
 BNA_G
 ClientSampleId :

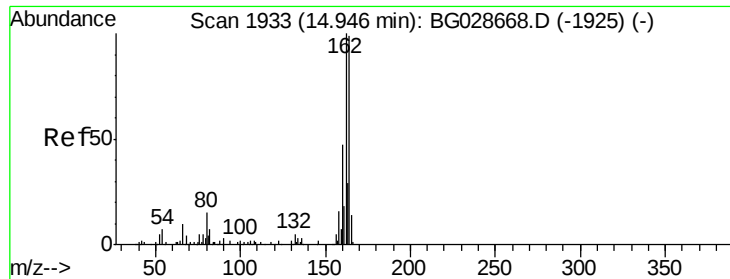
Tot Ion	82	Resp	238226
Ion	Ratio	Lower	Upper
82	100		
128	38.0	26.4	39.6
54	55.6	49.4	74.2



#32
 Benzoic acid
 Concen: 6.12 ng
 RT: 10.69 min Scan# 1208
 Delta R.T. 0.23 min
 Lab File: BG028805.D
 Acq: 18 Sep 2017 21:39

Tgt Ion	122	Resp	61
Ion	Ratio	Lower	Upper
122	100		
105	0.0	120.1	160.1#
77	0.0	104.6	144.6#

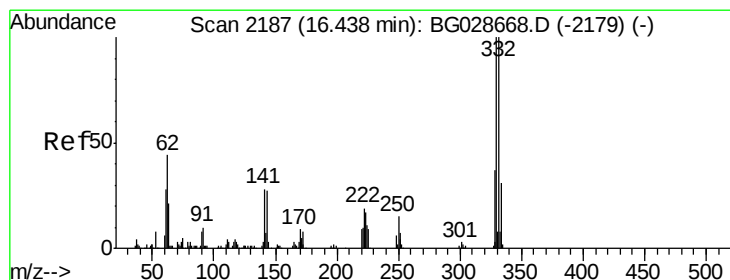
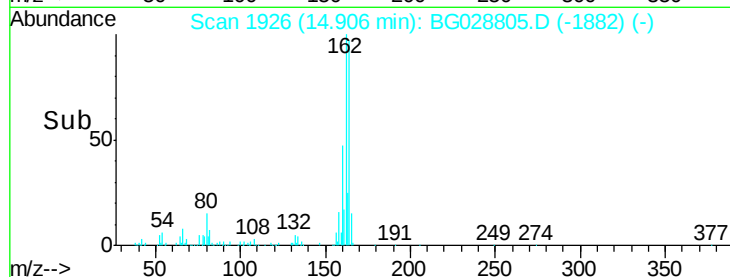
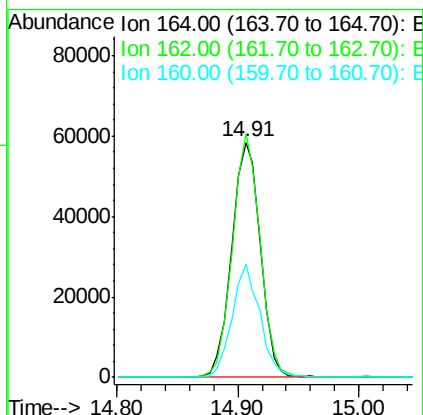
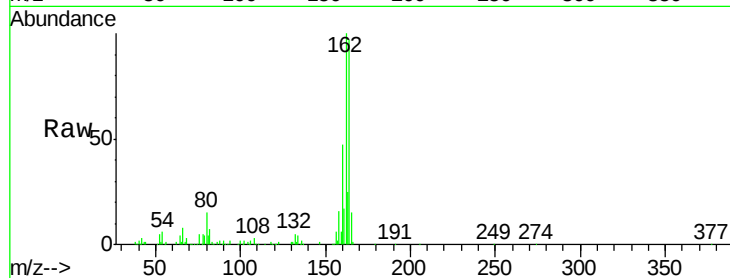




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.91 min Scan# 1926
Delta R.T. -0.04 min
Lab File: BG028805.D
Acq: 18 Sep 2017 21:39

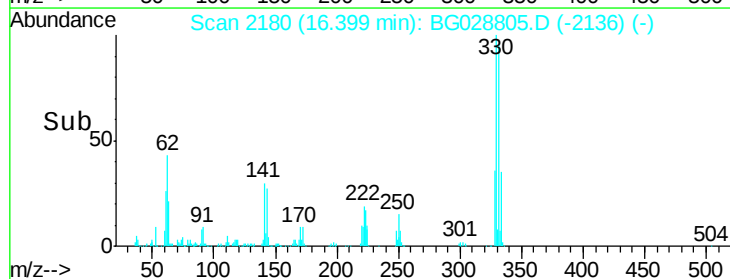
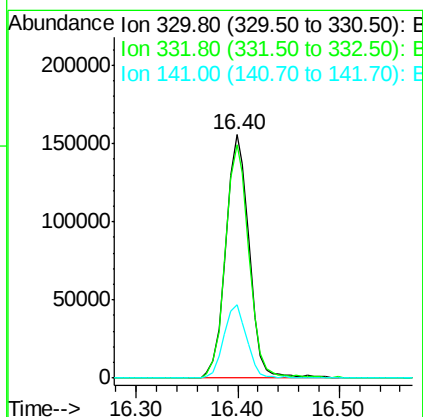
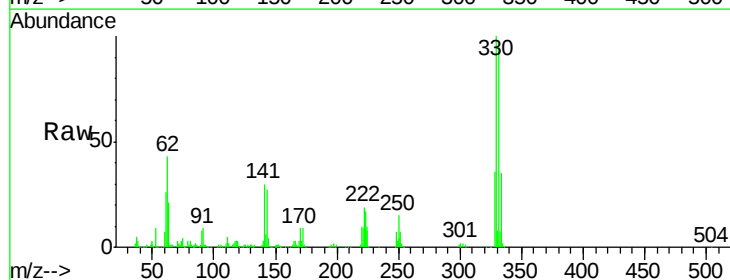
Instrument :
BNA_G
ClientSampleId :

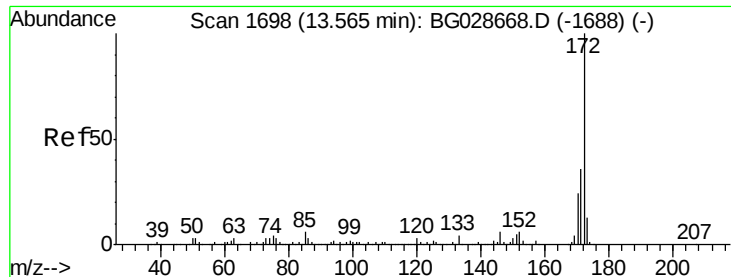
Tot Ion:164 Resp: 96342
Ion Ratio Lower Upper
164 100
162 103.5 85.1 127.7
160 48.3 34.7 52.1



#41
2,4,6-Tribromophenol
Concen: 156.30 ng
RT: 16.40 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BG028805.D
Acq: 18 Sep 2017 21:39

Tgt Ion:330 Resp: 249056
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 29.8 32.1 48.1#

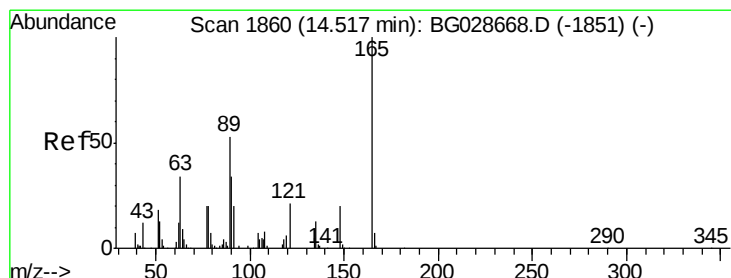
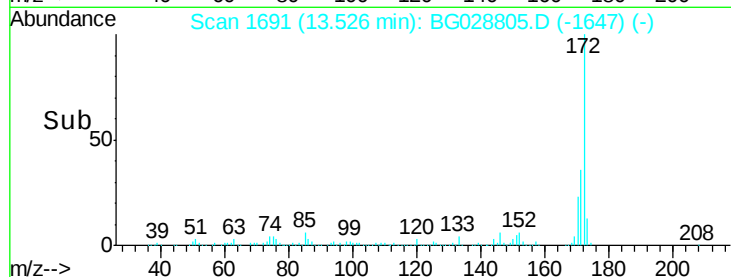
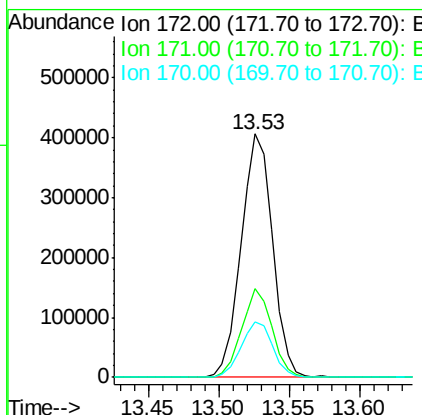
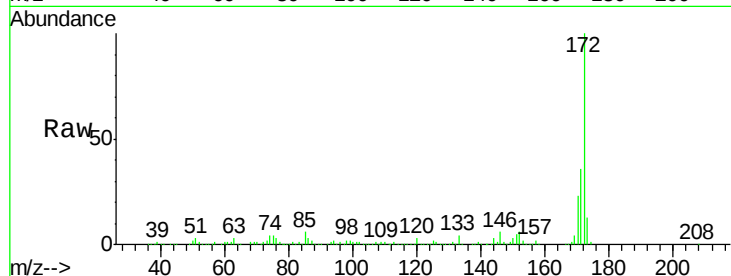




#44
 2-Fluorobiphenyl
 Concen: 87.72 ng
 RT: 13.53 min Scan# 1691
 Delta R.T. -0.04 min
 Lab File: BG028805.D
 Acq: 18 Sep 2017 21:39

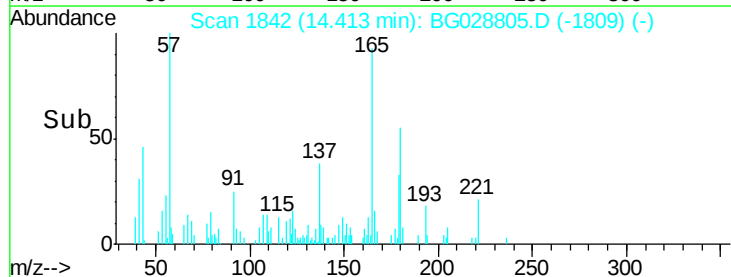
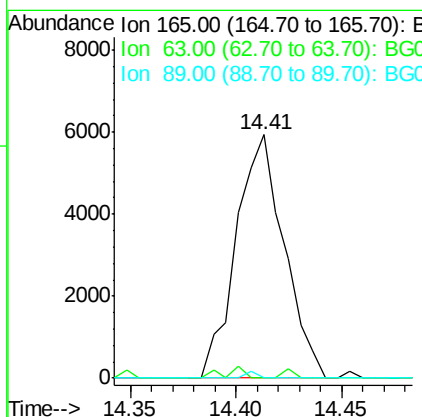
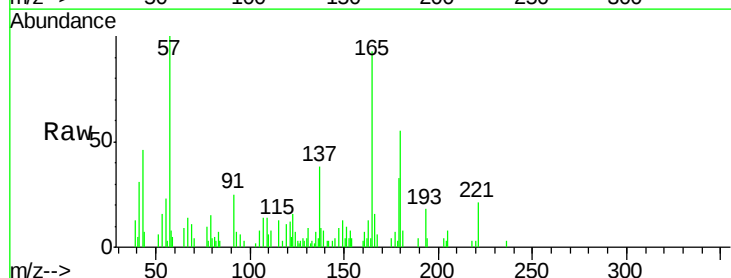
Instrument :
 BNA_G
 ClientSampleId :

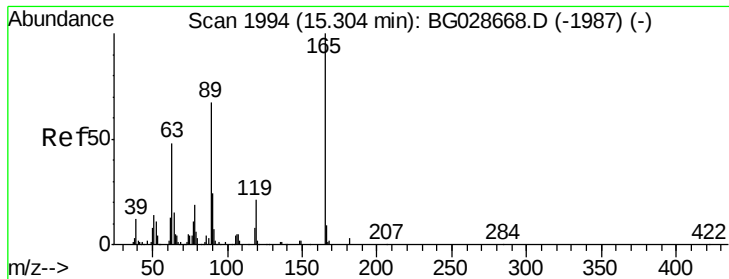
Tot Ion:172 Resp: 633764
 Ion Ratio Lower Upper
 172 100
 171 36.3 32.2 48.2
 170 23.0 21.8 32.6



#50
 2,6-Dinitrotoluene
 Concen: 5.19 ng
 RT: 14.41 min Scan# 1842
 Delta R.T. -0.10 min
 Lab File: BG028805.D
 Acq: 18 Sep 2017 21:39

Tgt Ion:165 Resp: 9326
 Ion Ratio Lower Upper
 165 100
 63 0.0 63.9 95.9#
 89 0.0 58.6 88.0#

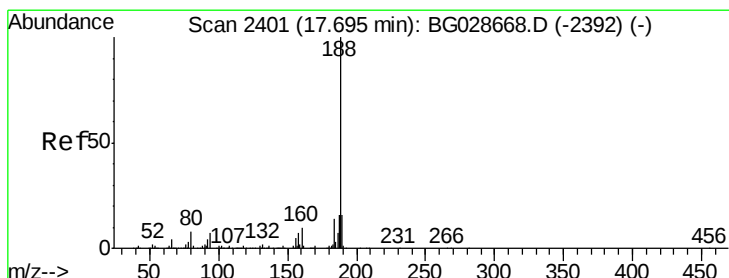
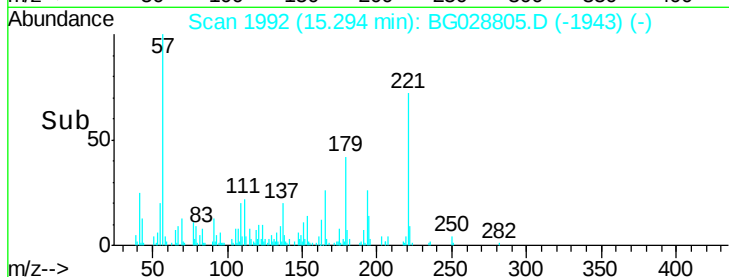
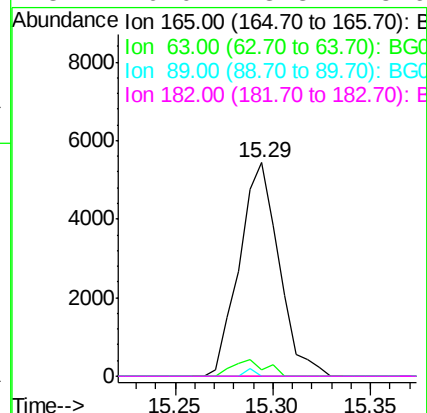
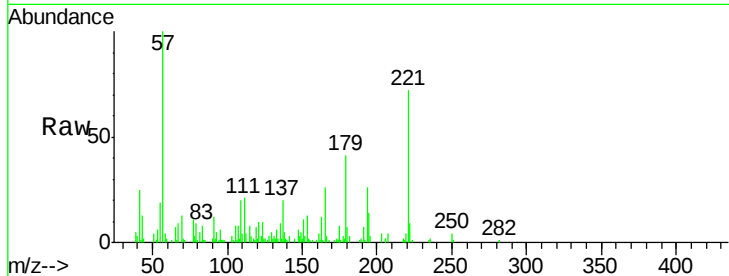




#56
 2,4-Dinitrotoluene
 Concen: 3.03 ng
 RT: 15.29 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BG028805.D
 Acq: 18 Sep 2017 21:39

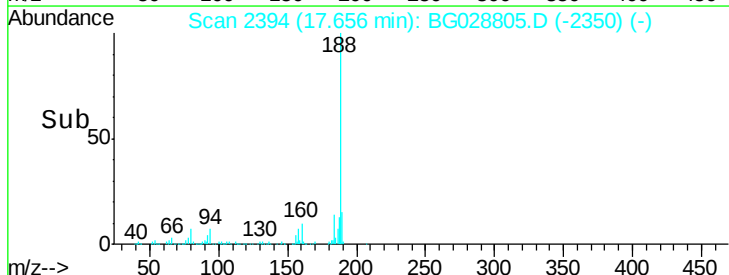
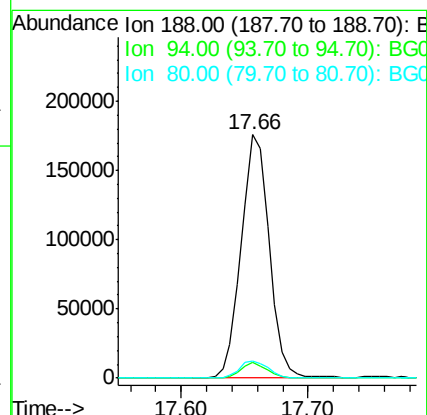
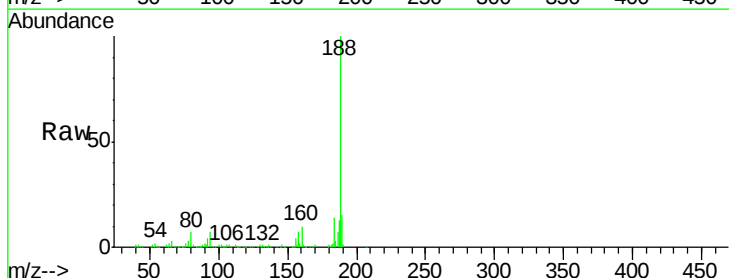
Instrument :
 BNA_G
 ClientSampleId :

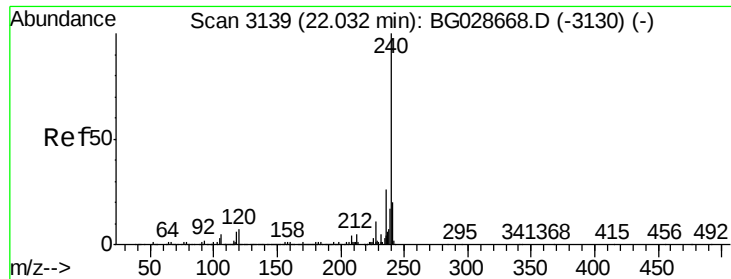
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.0	44.0	66.0#
89	0.0	67.3	100.9#
182	0.0	3.8	5.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.66 min Scan# 2394
 Delta R.T. -0.04 min
 Lab File: BG028805.D
 Acq: 18 Sep 2017 21:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.8	8.8
80	7.2	7.5	11.3#





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 21.98 min Scan# 3130

Delta R.T. -0.05 min

Lab File: BG028805.D

Acq: 18 Sep 2017 21:39

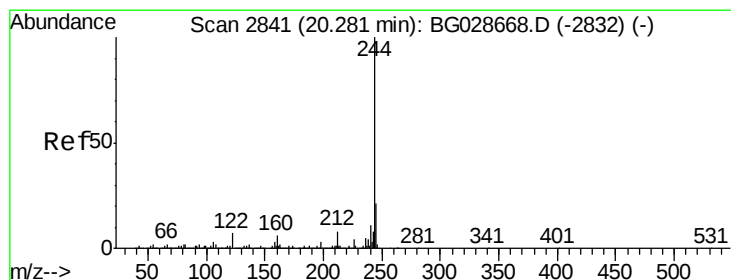
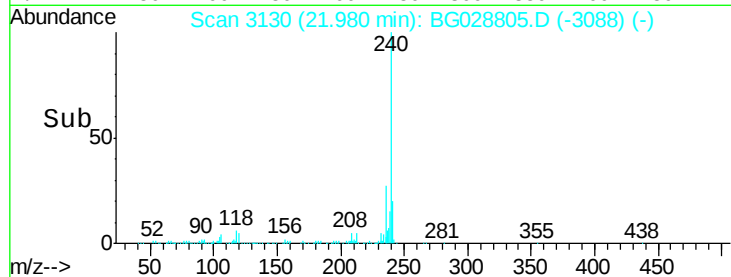
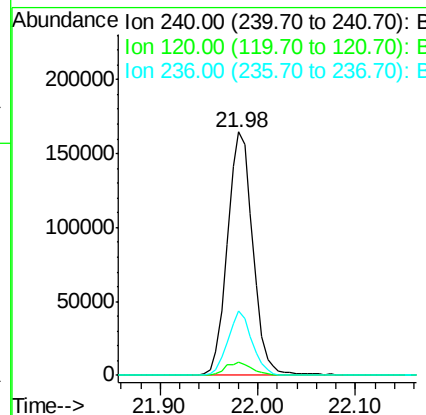
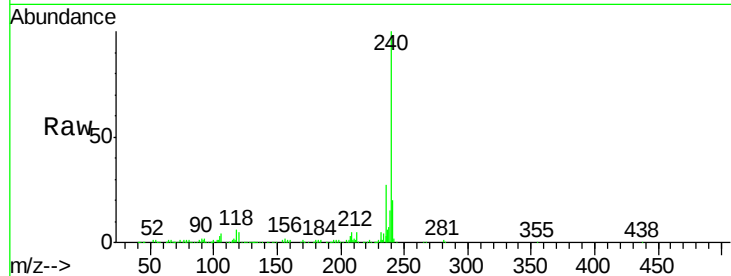
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 297412

Ion	Ratio	Lower	Upper
240	100		
120	5.5	5.7	8.5#
236	26.5	22.2	33.4



#78

Terphenyl-d14

Concen: 85.01 ng

RT: 20.25 min Scan# 2835

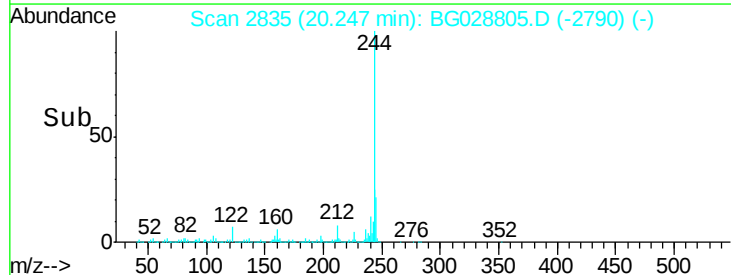
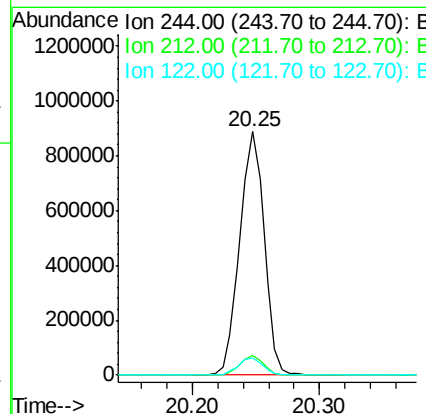
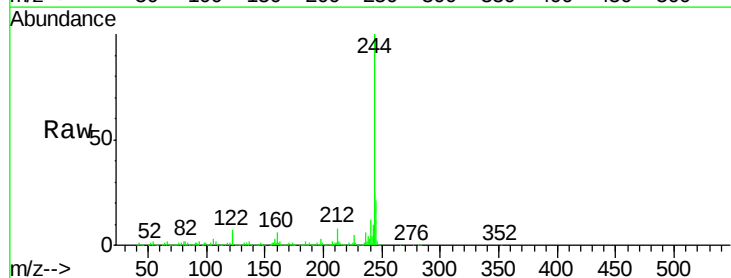
Delta R.T. -0.03 min

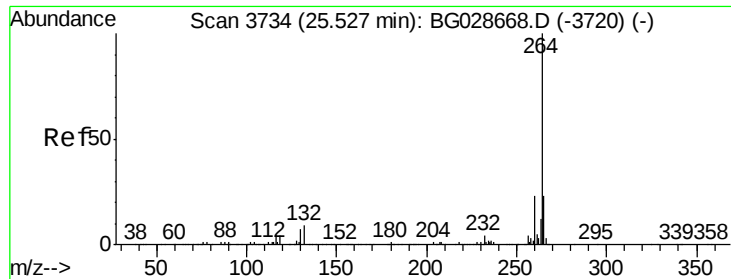
Lab File: BG028805.D

Acq: 18 Sep 2017 21:39

Tgt Ion:244 Resp: 1185540

Ion	Ratio	Lower	Upper
244	100		
212	8.3	10.0	15.0#
122	7.0	8.6	12.8#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.45 min Scan# 3720
 Delta R.T. -0.08 min
 Lab File: BG028805.D
 Acq: 18 Sep 2017 21:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	21.8	32.8
265	20.0	18.2	27.4

