

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091517\
 Data File : BG028783.D
 Acq On : 16 Sep 2017 2:43
 Operator : SJ/JU
 Sample : I5187-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 16 04:59:43 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

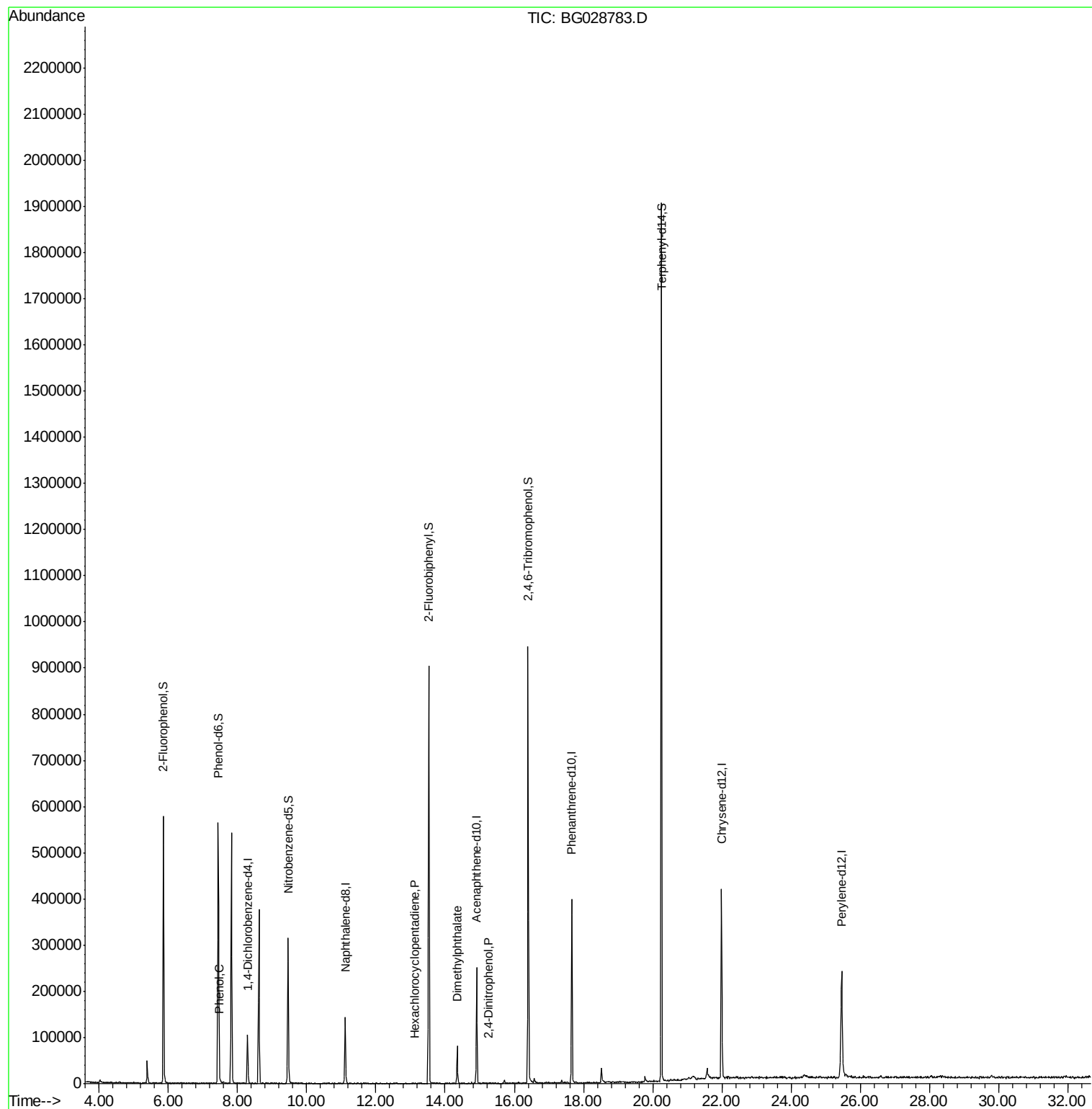
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	30205	20.00	ng	-0.04
21) Naphthalene-d8	11.11	136	123370	20.00	ng	-0.04
38) Acenaphthene-d10	14.91	164	92197	20.00	ng	-0.03
63) Phenanthrene-d10	17.66	188	260096	20.00	ng	-0.03
75) Chrysene-d12	21.99	240	289867	20.00	ng	-0.05
86) Perylene-d12	25.46	264	295264	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	248163	135.57	ng	-0.05
7) Phenol-d6	7.44	99	343116	124.49	ng	-0.05
23) Nitrobenzene-d5	9.46	82	209412	81.20	ng	-0.05
41) 2,4,6-Tribromophenol	16.40	330	213314	139.89	ng	-0.03
44) 2-Fluorobiphenyl	13.53	172	513479	74.26	ng	-0.03
78) Terphenyl-d14	20.25	244	885919	65.18	ng	-0.03
Target Compounds						
10) Phenol	7.48	94	8590	2.953	ng	Qvalue 84
40) Hexachlorocyclopentadiene	13.12	237	55	7.637	ng	# 29
49) Dimethylphthalate	14.35	163	58727	7.596	ng	97
53) 2,4-Dinitrophenol	15.25	184	57	8.058	ng	# 15

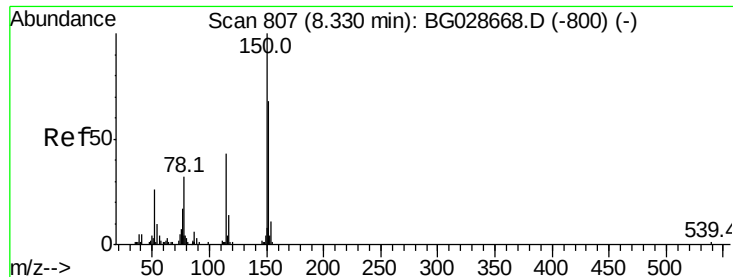
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 800

Delta R.T. -0.04 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

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BNA_G

ClientSampleId :

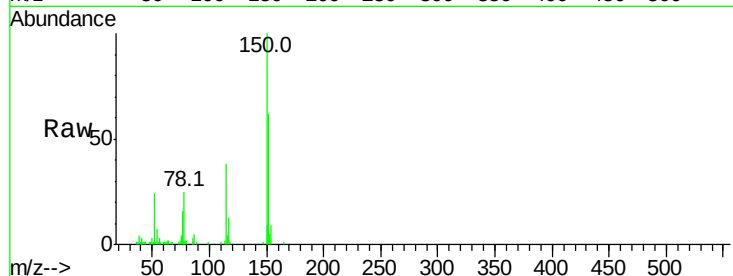
Tot Ion:152 Resp: 30205

Ion Ratio Lower Upper

152 100

150 161.7 114.0 171.0

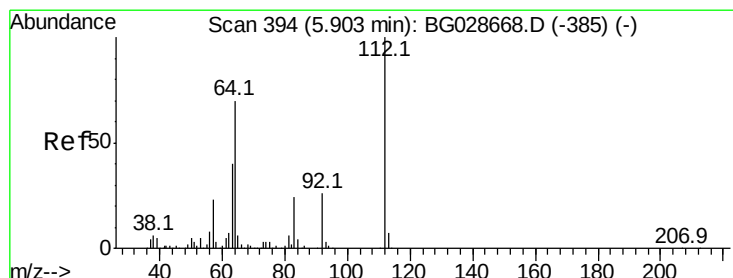
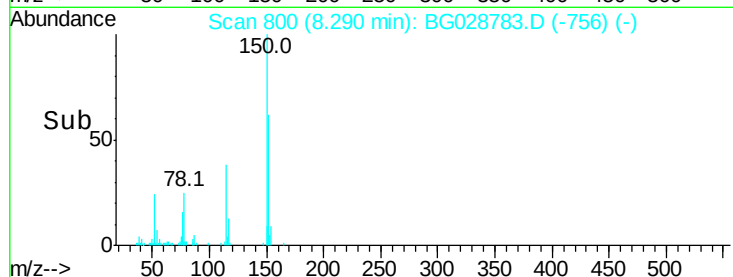
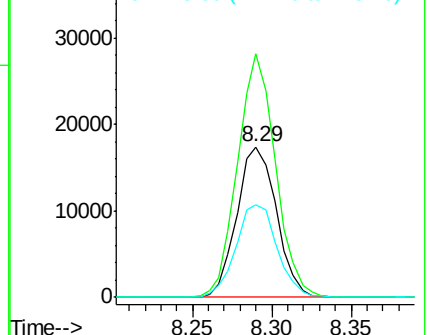
115 61.4 48.1 72.1



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: 135.567 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.05 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

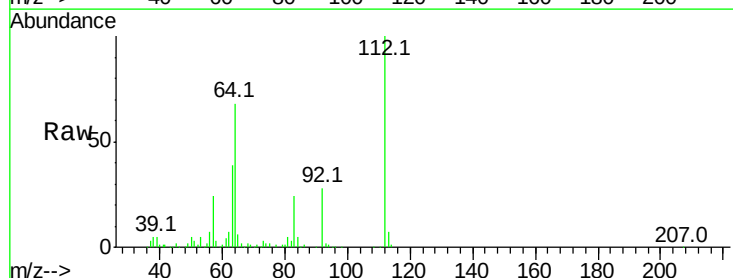
Tgt Ion:112 Resp: 248163

Ion Ratio Lower Upper

112 100

64 67.5 61.8 92.6

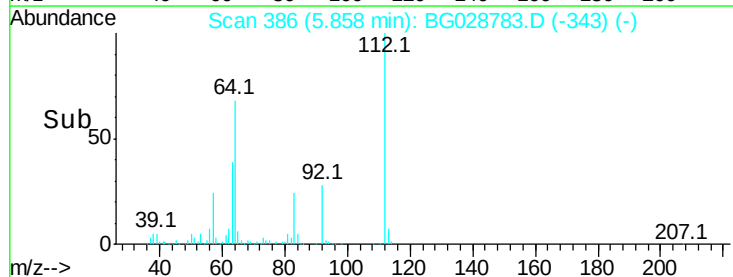
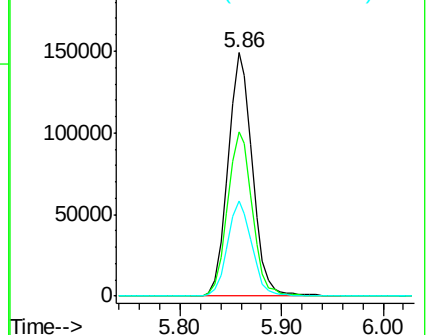
63 39.1 37.2 55.8

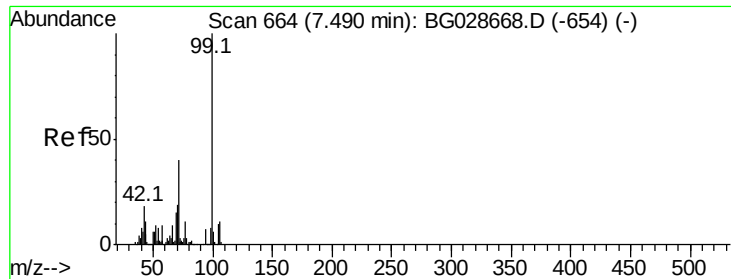


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 124.493 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

Instrument :

BNA_G

ClientSampleId :

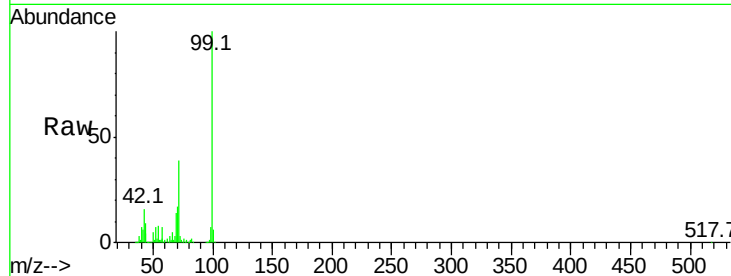
Tot Ion: 99 Resp: 343116

Ion Ratio Lower Upper

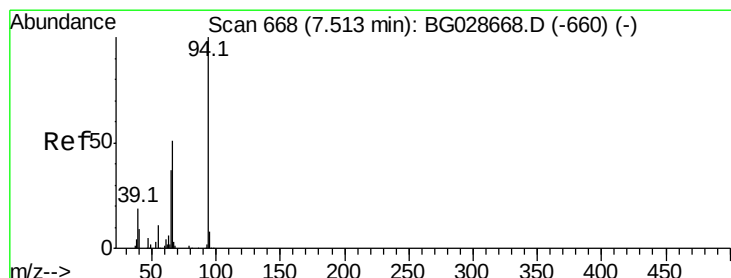
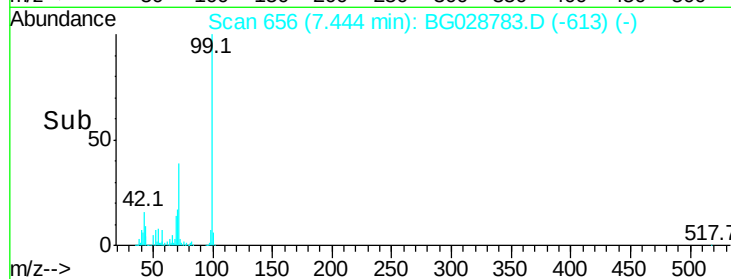
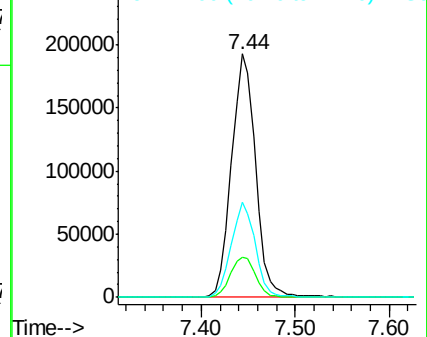
99 100

42 16.4 20.5 30.7#

71 39.3 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



#10

Phenol

Concen: 2.953 ng

RT: 7.48 min Scan# 662

Delta R.T. -0.03 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

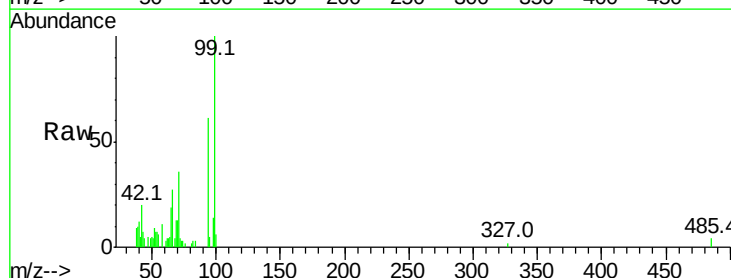
Tgt Ion: 94 Resp: 8590

Ion Ratio Lower Upper

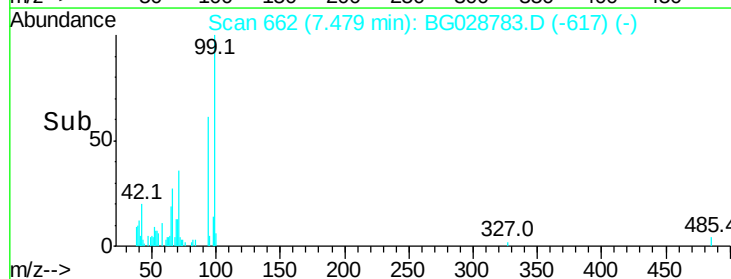
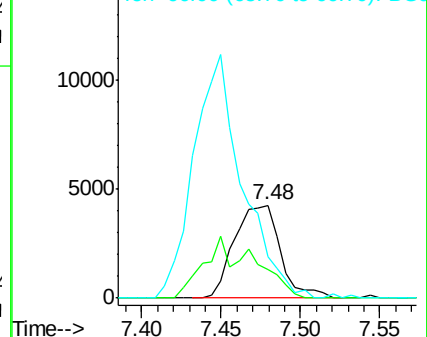
94 100

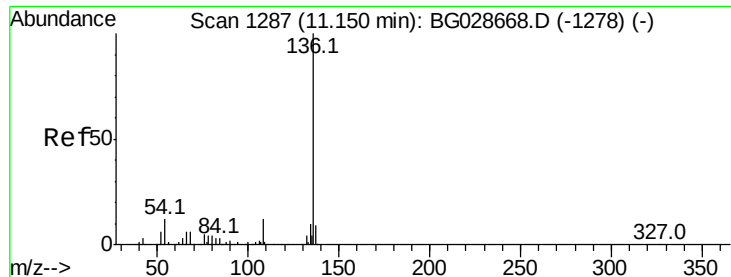
65 30.5 20.6 60.6

66 44.4 35.5 75.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

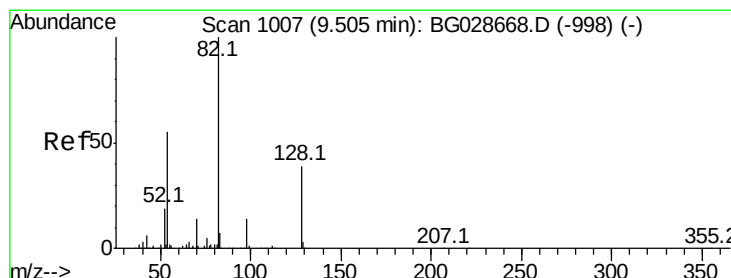
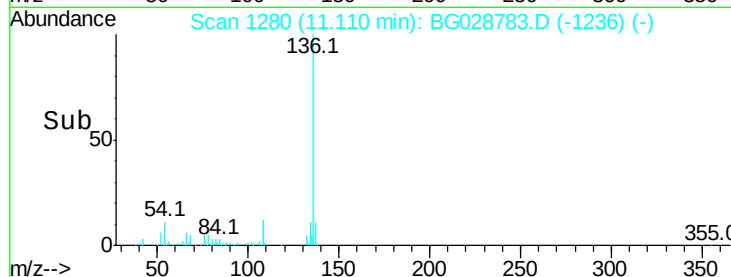
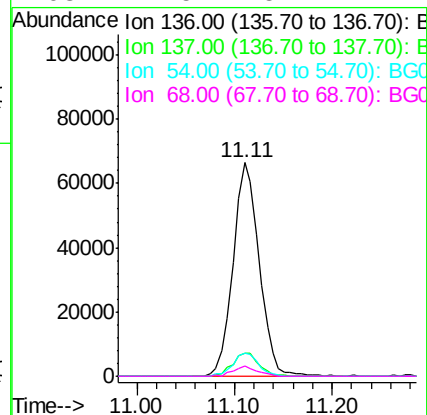
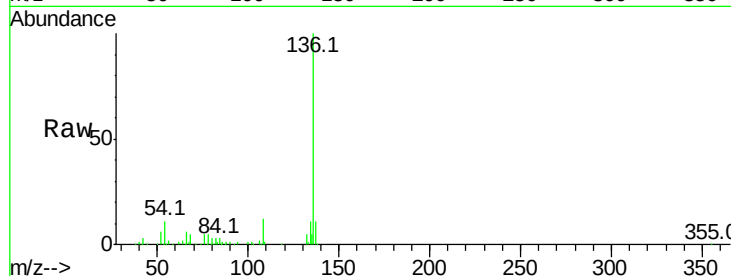




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.11 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BG028783.D
Acq: 16 Sep 2017 2:43

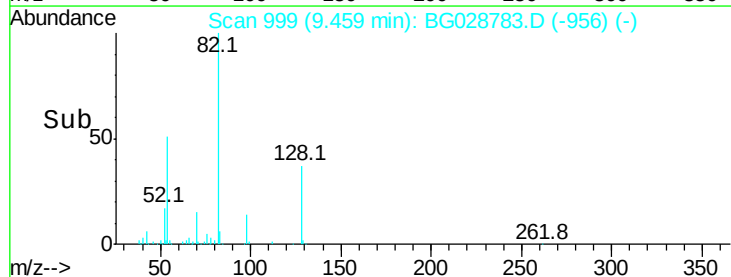
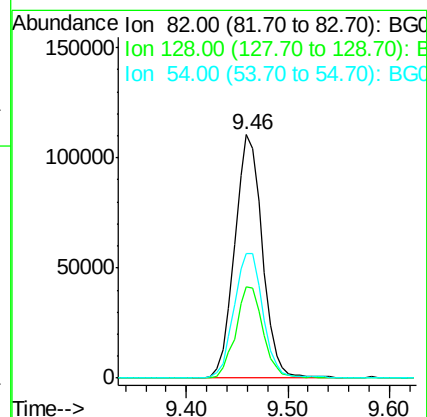
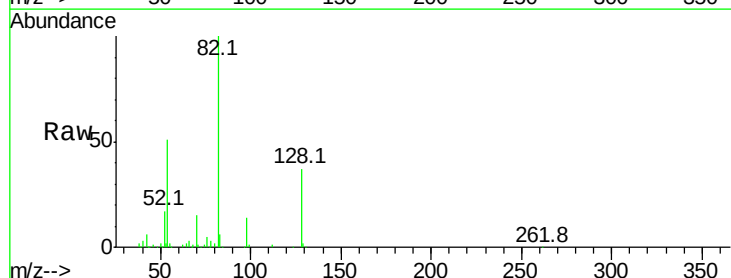
Instrument :
BNA_G
ClientSampleId :

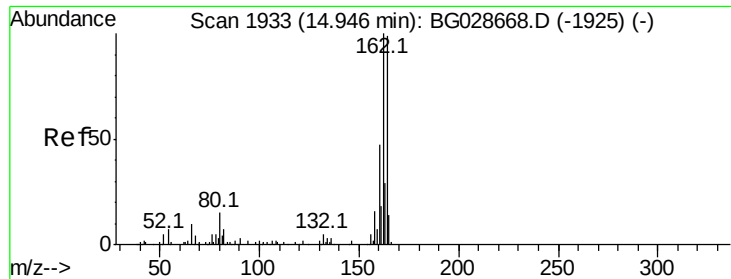
Tot Ion:136	Resp:	123370
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.9	13.3
54 10.8	9.3	13.9
68 4.5	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 81.201 ng
RT: 9.46 min Scan# 999
Delta R.T. -0.05 min
Lab File: BG028783.D
Acq: 16 Sep 2017 2:43

Tgt Ion: 82	Resp:	209412
Ion Ratio	Lower	Upper
82 100		
128 37.5	26.4	39.6
54 51.0	49.4	74.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.91 min Scan# 1927

Delta R.T. -0.03 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

Instrument :

BNA_G

ClientSampleId :

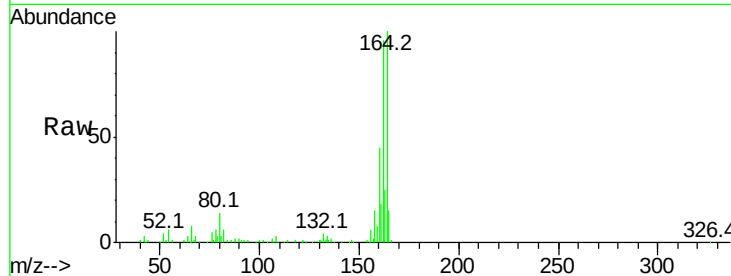
Tot Ion:164 Resp: 92197

Ion Ratio Lower Upper

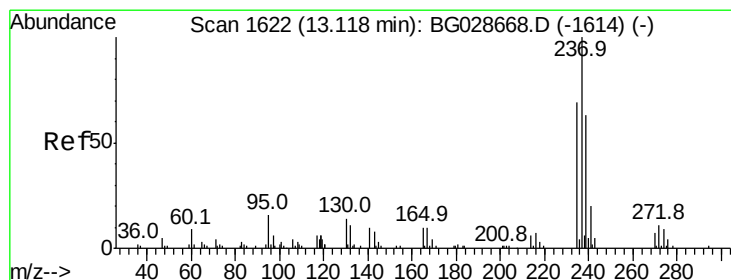
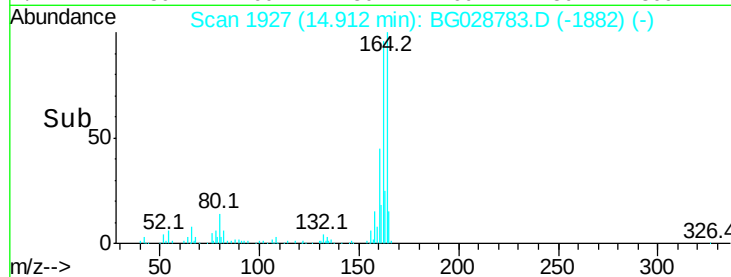
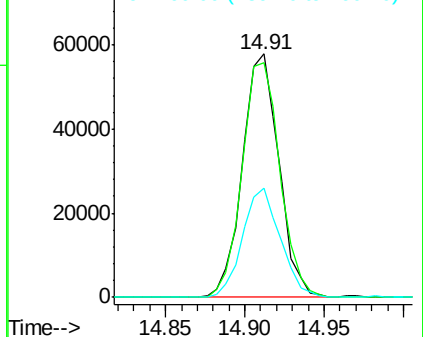
164 100

162 96.5 85.1 127.7

160 44.9 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

Hexachlorocyclopentadiene

Concen: 7.637 ng

RT: 13.12 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

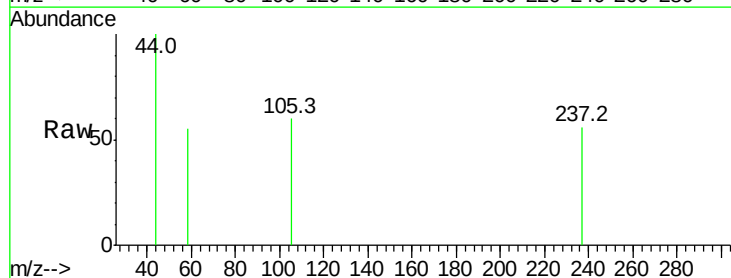
Tgt Ion:237 Resp: 55

Ion Ratio Lower Upper

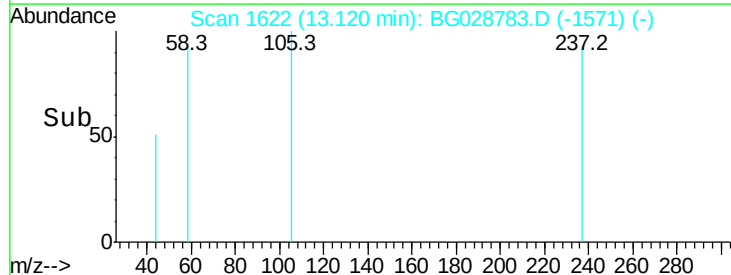
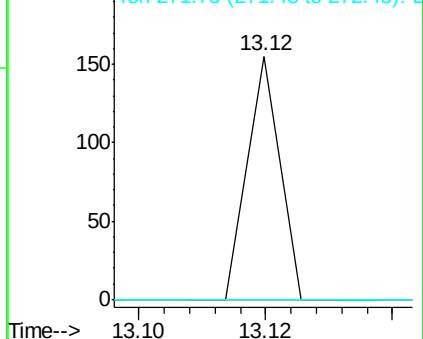
237 100

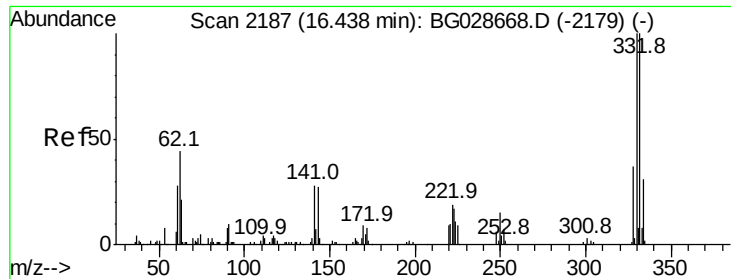
235 0.0 39.4 79.4#

272 0.0 0.0 32.0



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

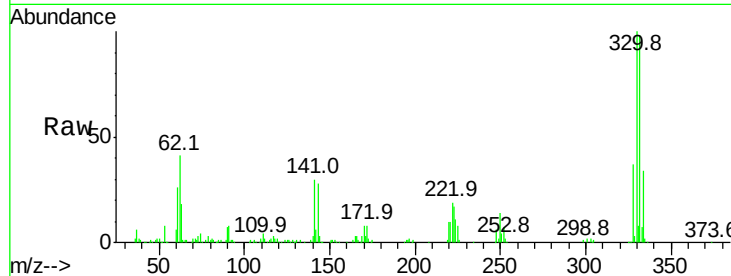




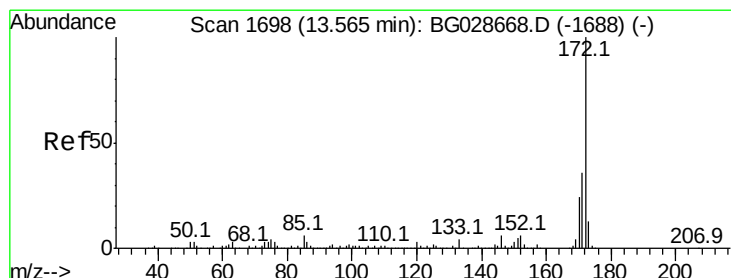
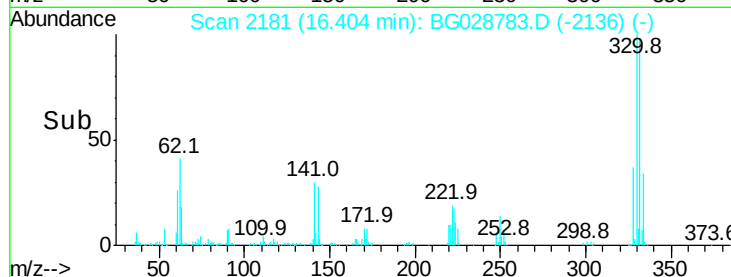
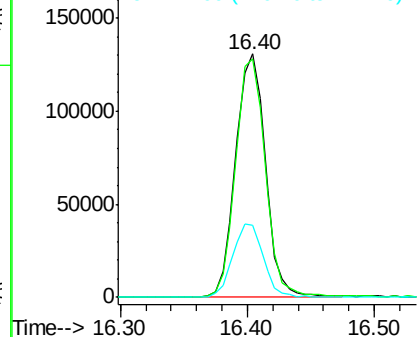
#41
 2,4,6-Tribromophenol
 Concen: 139.889 ng
 RT: 16.40 min Scan# 2181
 Delta R.T. -0.03 min
 Lab File: BG028783.D
 Acq: 16 Sep 2017 2:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 213314
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.3 115.9
 141 30.9 32.1 48.1#

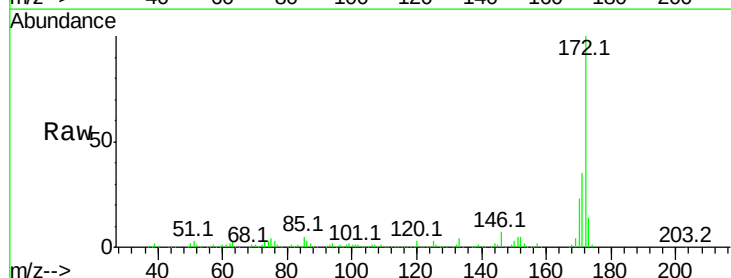


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

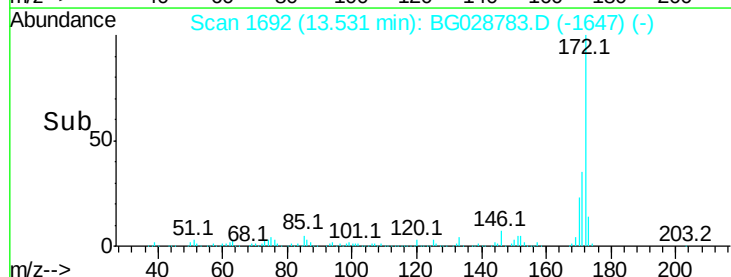
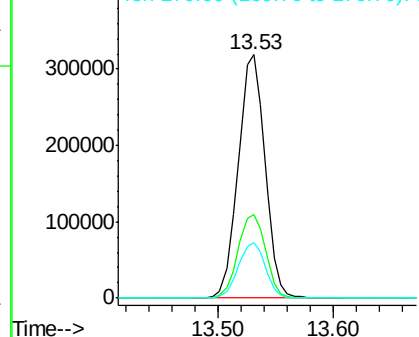


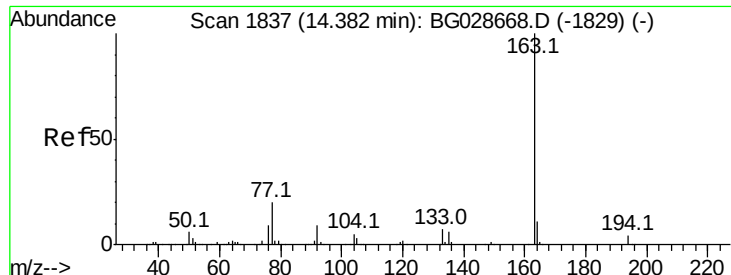
#44
 2-Fluorobiphenyl
 Concen: 74.263 ng
 RT: 13.53 min Scan# 1692
 Delta R.T. -0.03 min
 Lab File: BG028783.D
 Acq: 16 Sep 2017 2:43

Tgt Ion:172 Resp: 513479
 Ion Ratio Lower Upper
 172 100
 171 34.6 32.2 48.2
 170 22.6 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





#49

Dimethylphthalate

Concen: 7.596 ng

RT: 14.35 min Scan# 1832

Delta R.T. -0.03 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

Instrument :

BNA_G

ClientSampleId :

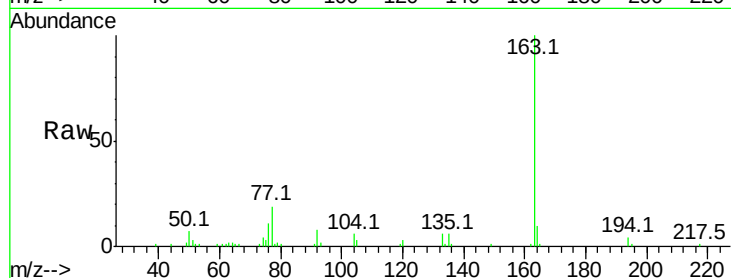
Tot Ion:163 Resp: 58727

Ion Ratio Lower Upper

163 100

194 4.1 3.8 5.6

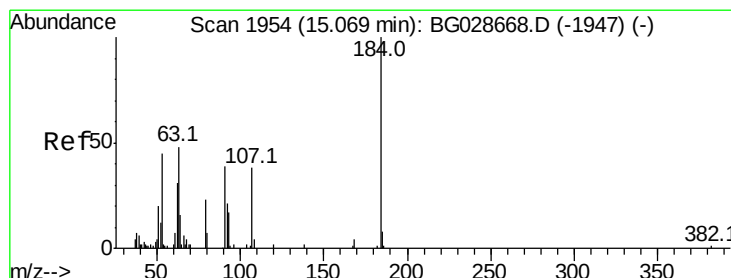
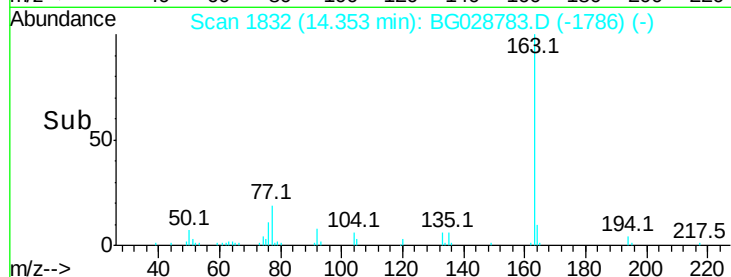
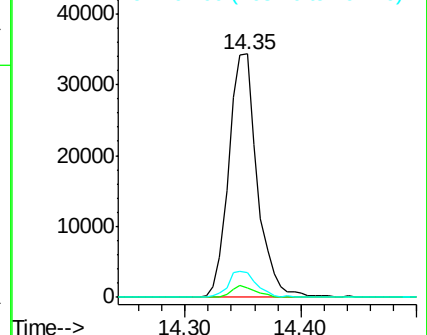
164 10.1 9.3 13.9



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



#53

2,4-Dinitrophenol

Concen: 8.058 ng

RT: 15.25 min Scan# 1984

Delta R.T. 0.18 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

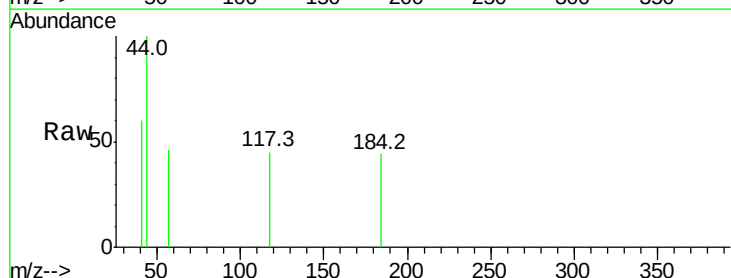
Tgt Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

63 0.0 52.7 79.1#

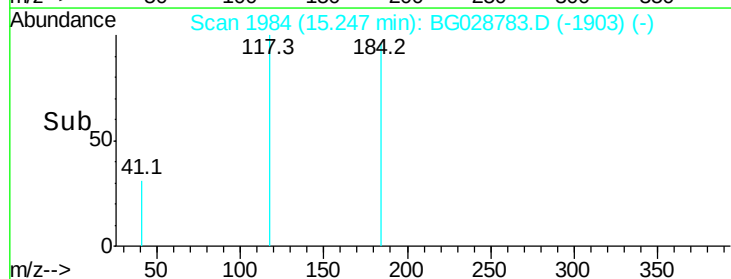
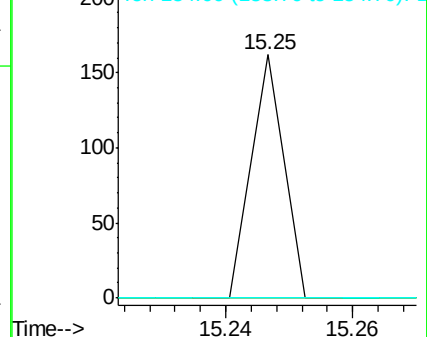
154 0.0 57.3 85.9#

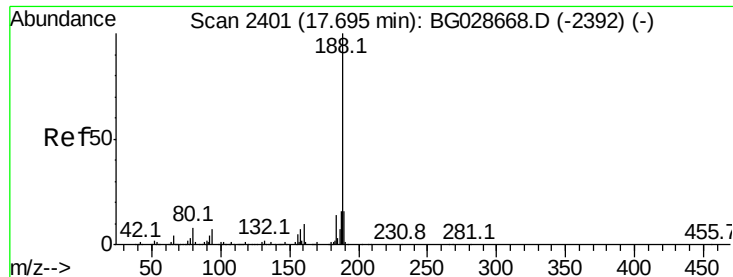


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.66 min Scan# 2395

Delta R.T. -0.03 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

Instrument :

BNA_G

ClientSampleId :

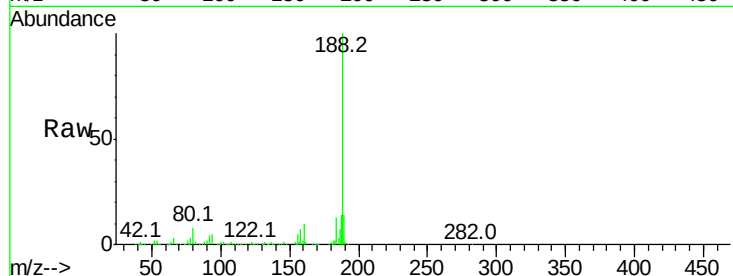
Tot Ion:188 Resp: 260096

Ion Ratio Lower Upper

188 100

94 5.2 5.8 8.8#

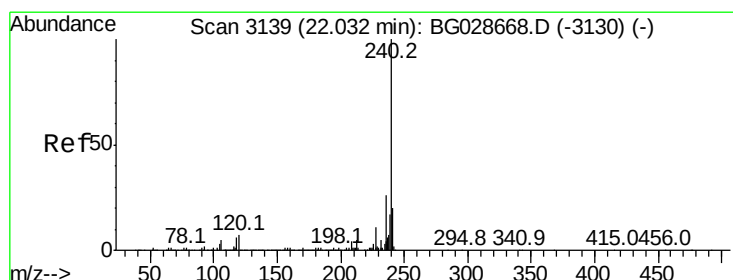
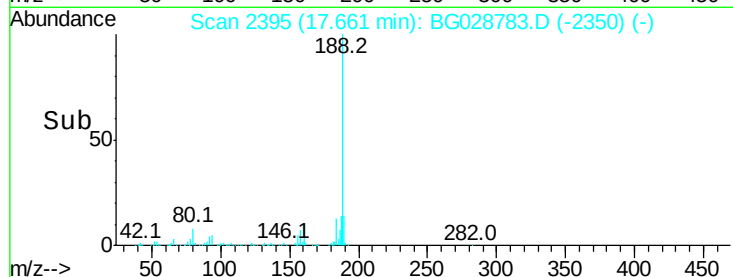
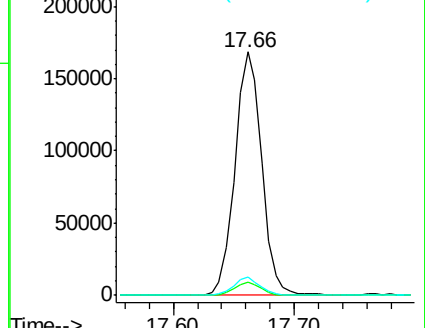
80 7.6 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.99 min Scan# 3131

Delta R.T. -0.05 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

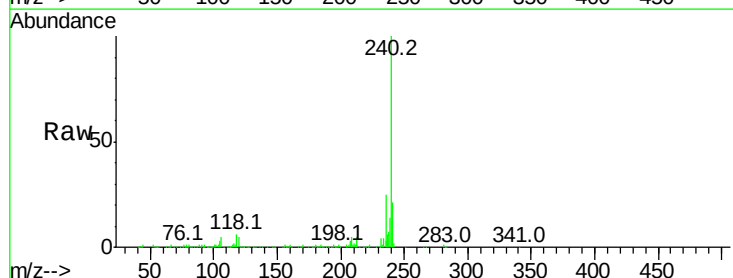
Tgt Ion:240 Resp: 289867

Ion Ratio Lower Upper

240 100

120 5.4 5.7 8.5#

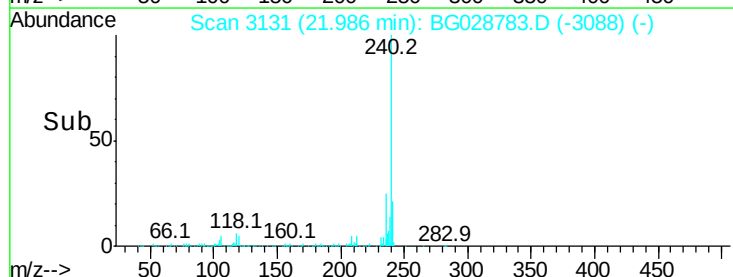
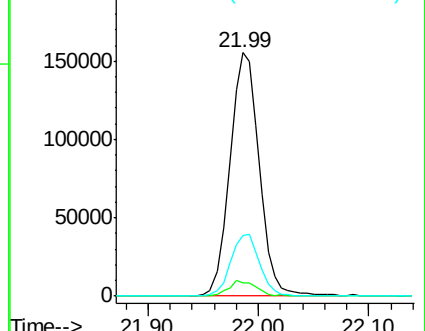
236 25.0 22.2 33.4

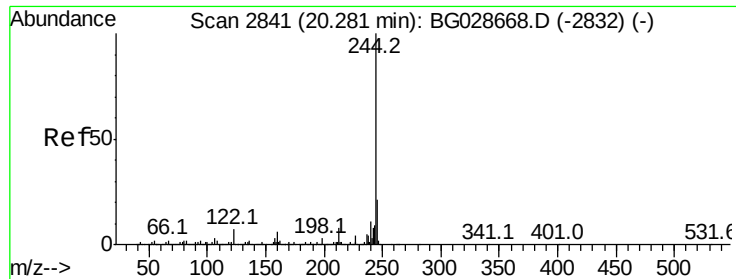


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 65.177 ng

RT: 20.25 min Scan# 2836

Delta R.T. -0.03 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

Instrument :

BNA_G

ClientSampleId :

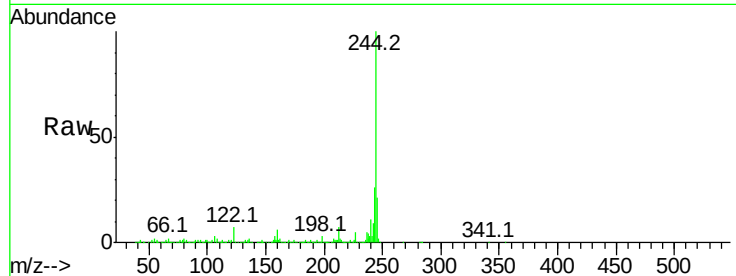
Tot Ion:244 Resp: 885919

Ion Ratio Lower Upper

244 100

212 7.5 10.0 15.0#

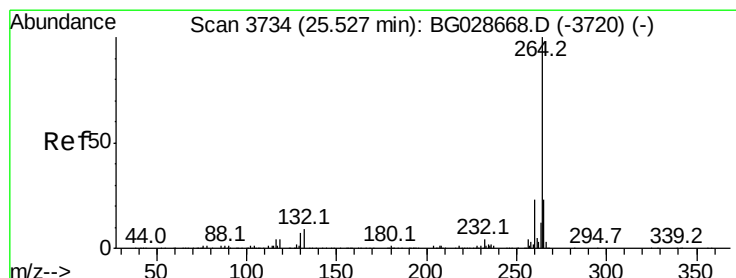
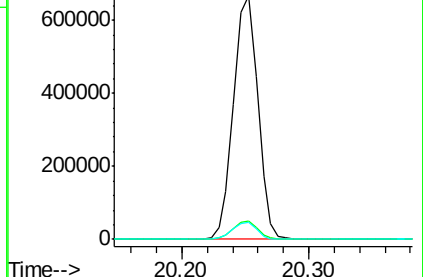
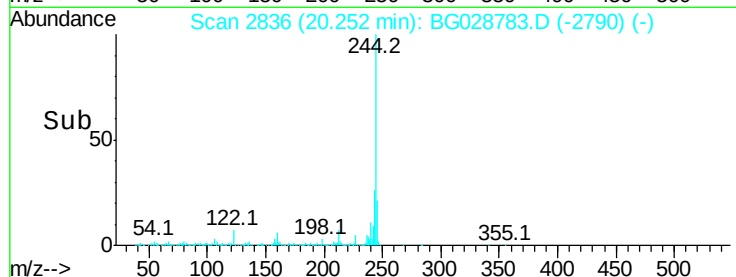
122 7.2 8.6 12.8#



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

Perylene-d12

Concen: 20.000 ng

RT: 25.46 min Scan# 3722

Delta R.T. -0.07 min

Lab File: BG028783.D

Acq: 16 Sep 2017 2:43

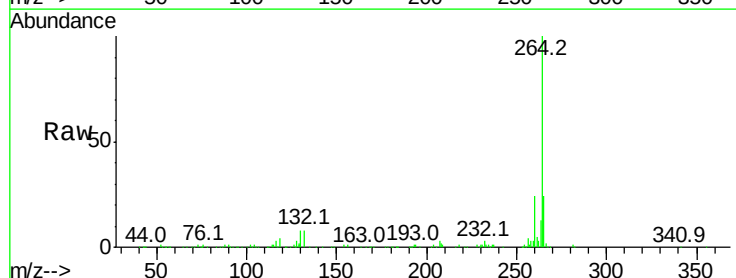
Tgt Ion:264 Resp: 295264

Ion Ratio Lower Upper

264 100

260 24.1 21.8 32.8

265 23.8 18.2 27.4



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

