

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\
 Data File : BG028793.D
 Acq On : 18 Sep 2017 13:43
 Operator : SJ/JU
 Sample : PB102386BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB102386BL

Quant Time: Sep 19 01:55:32 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	27476	20.00	ng	-0.04
21) Naphthalene-d8	11.11	136	115106	20.00	ng	-0.04
38) Acenaphthene-d10	14.91	164	86182	20.00	ng	-0.04
63) Phenanthrene-d10	17.66	188	265266	20.00	ng	-0.04
75) Chrysene-d12	21.98	240	303757	20.00	ng	-0.05
86) Perylene-d12	25.46	264	305620	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	216172	129.82	ng	-0.05
7) Phenol-d6	7.44	99	292747	116.77	ng	-0.05
23) Nitrobenzene-d5	9.46	82	178697	74.27	ng	-0.05
41) 2,4,6-Tribromophenol	16.40	330	195723	137.31	ng	-0.04
44) 2-Fluorobiphenyl	13.53	172	497651	77.00	ng	-0.04
78) Terphenyl-d14	20.24	244	1104209	77.52	ng	-0.04

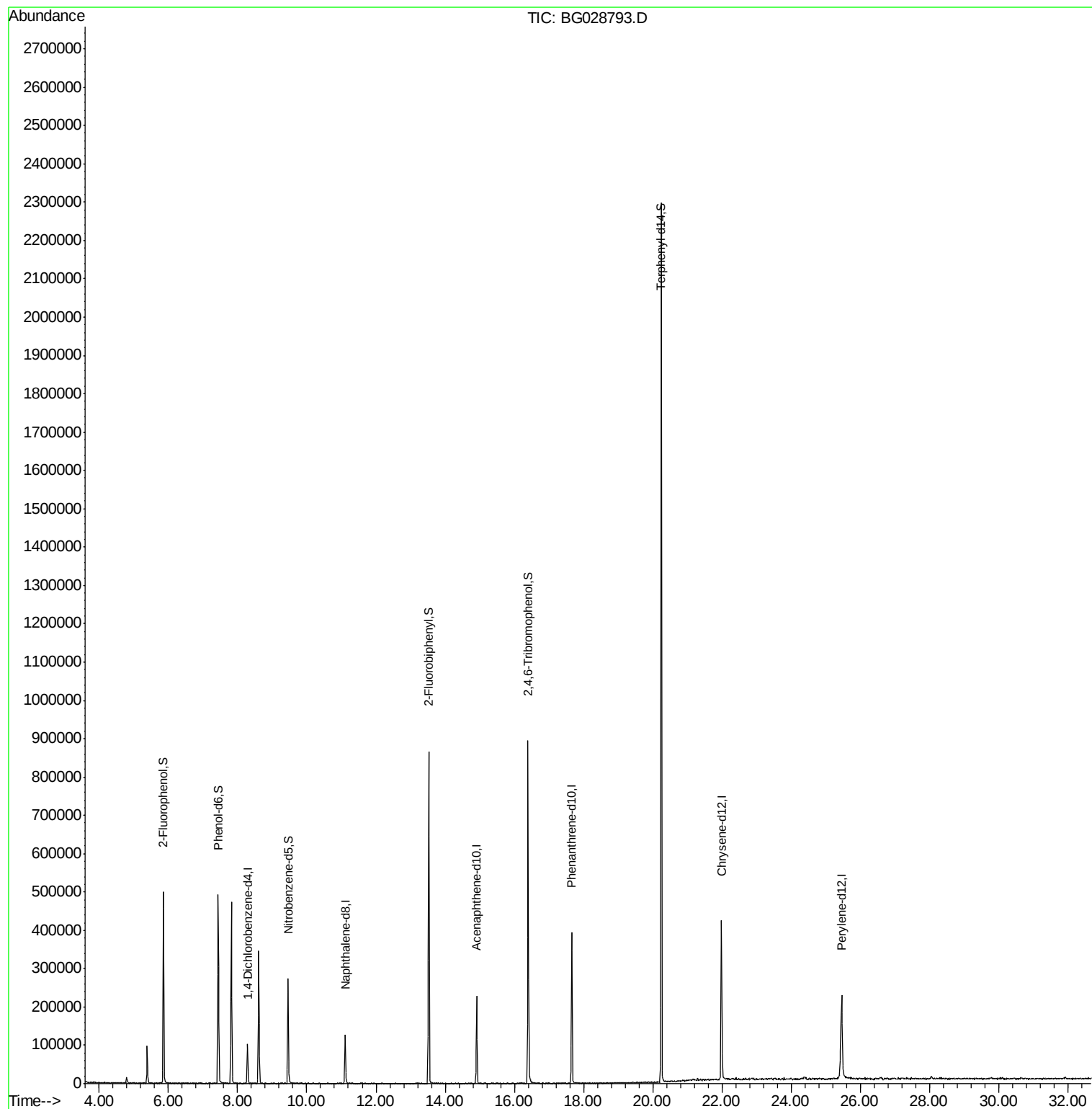
Target Compounds Qvalue

(#) = 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: BG028793.D

Acq: 18 Sep 2017 13:43

Instrument :

BNA_G

ClientSampleId :

PB102386BL

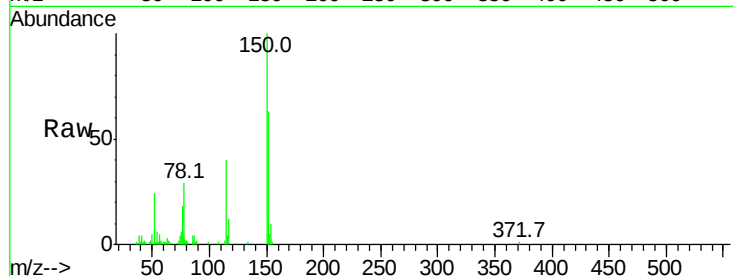
Tot Ion:152 Resp: 27476

Ion Ratio Lower Upper

152 100

150 158.8 114.0 171.0

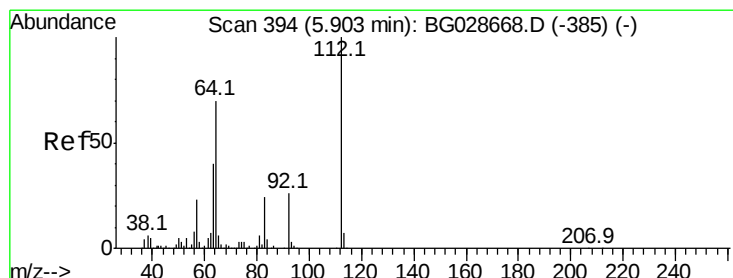
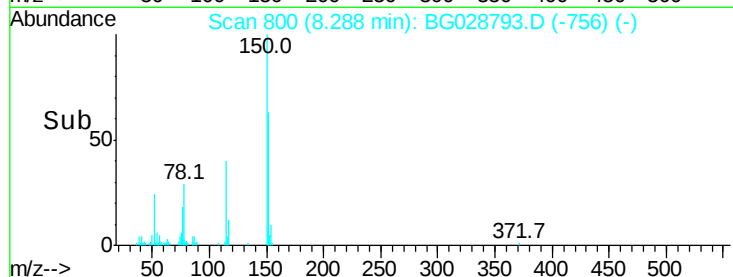
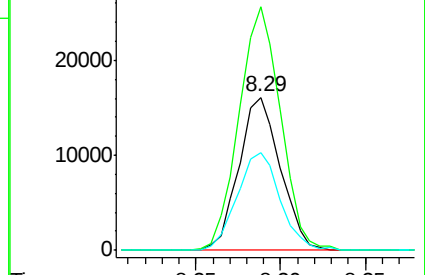
115 64.0 48.1 72.1



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: 129.820 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.05 min

Lab File: BG028793.D

Acq: 18 Sep 2017 13:43

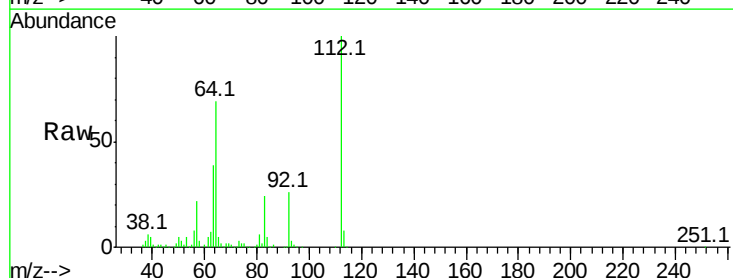
Tgt Ion:112 Resp: 216172

Ion Ratio Lower Upper

112 100

64 69.2 61.8 92.6

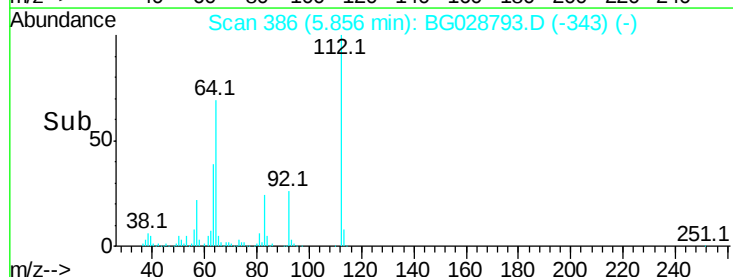
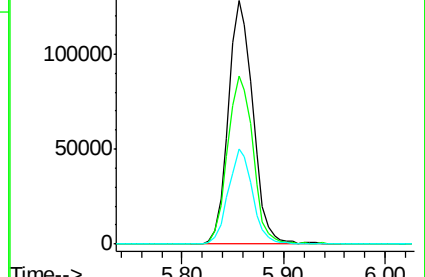
63 38.9 37.2 55.8



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: 116.767 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028793.D

Acq: 18 Sep 2017 13:43

Instrument :

BNA_G

ClientSampleId :

PB102386BL

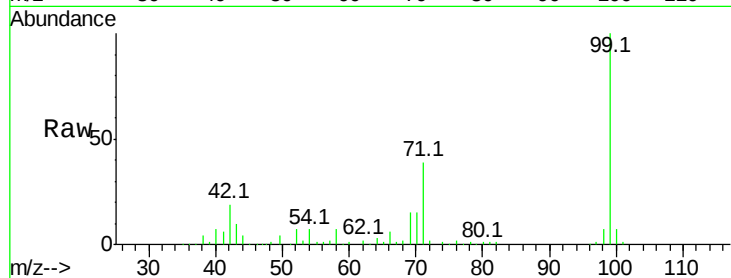
Tot Ion: 99 Resp: 292747

Ion Ratio Lower Upper

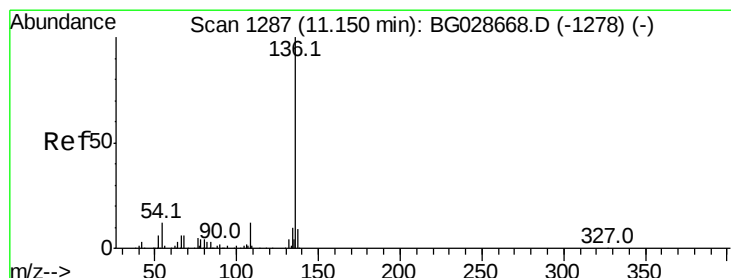
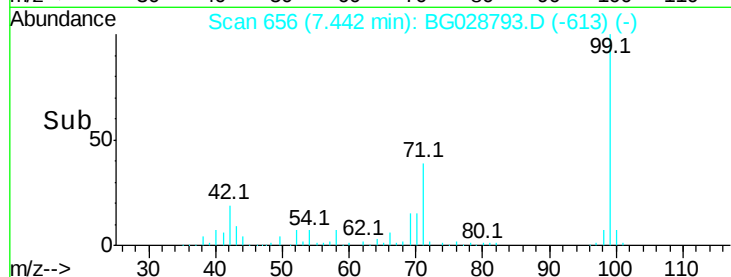
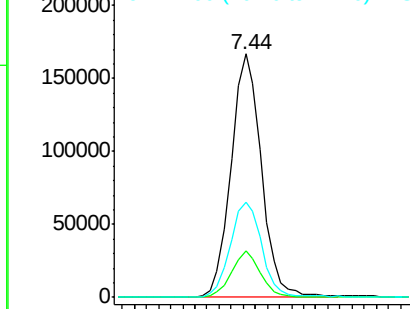
99 100

42 19.0 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: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028793.D

Acq: 18 Sep 2017 13:43

Tgt Ion: 136 Resp: 115106

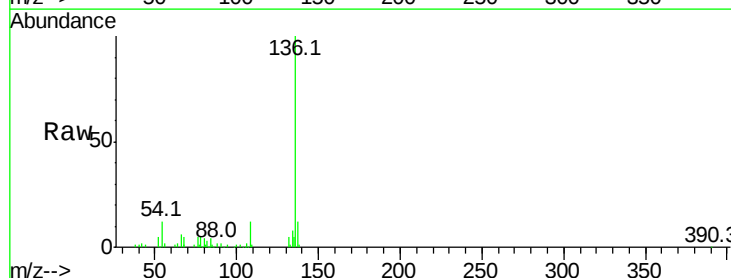
Ion Ratio Lower Upper

136 100

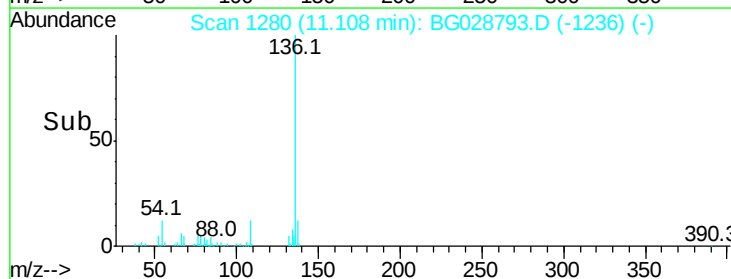
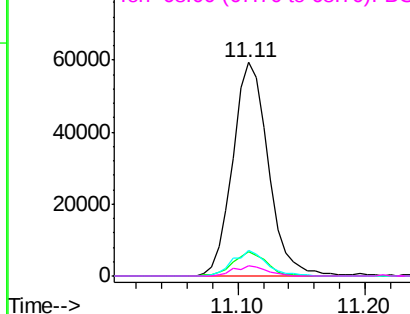
137 11.6 8.9 13.3

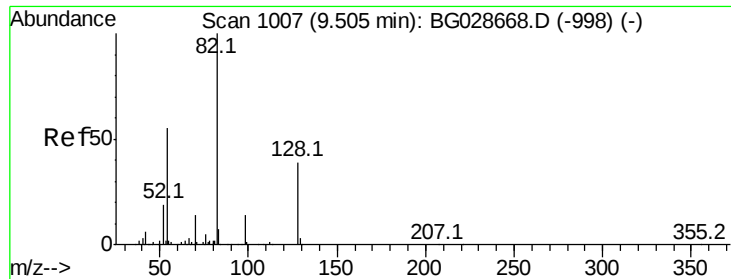
54 12.0 9.3 13.9

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: 74.265 ng

RT: 9.46 min Scan# 999

Delta R.T. -0.05 min

Lab File: BG028793.D

Acq: 18 Sep 2017 13:43

Instrument :

BNA_G

ClientSampleId :

PB102386BL

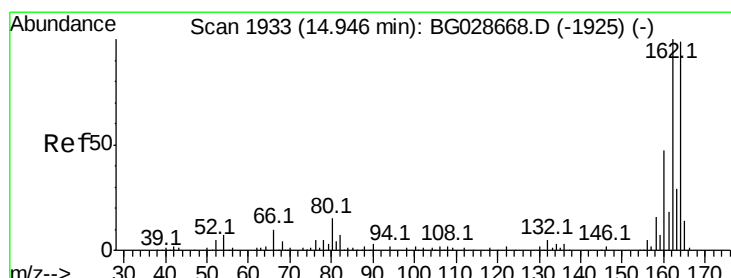
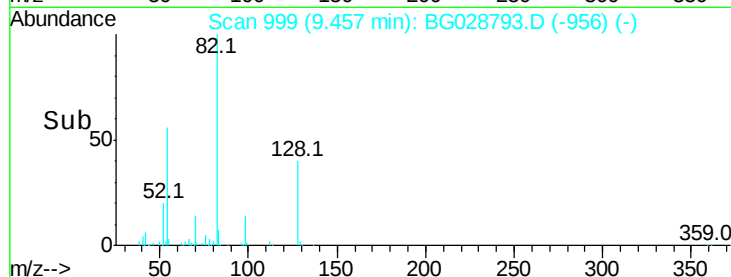
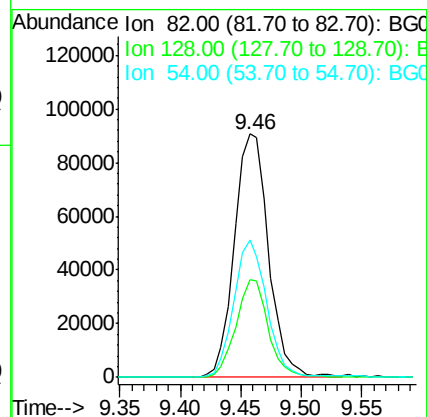
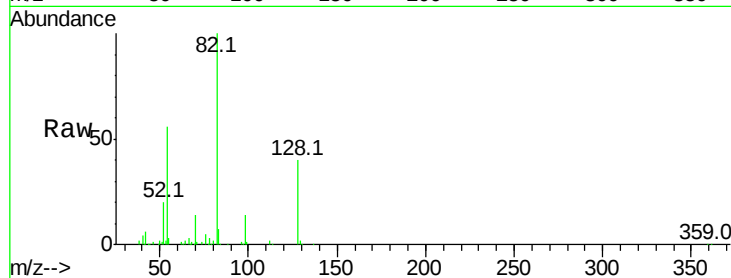
Tot Ion: 82 Resp: 178697

Ion Ratio Lower Upper

82 100

128 40.0 26.4 39.6#

54 56.2 49.4 74.2



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.91 min Scan# 1927

Delta R.T. -0.04 min

Lab File: BG028793.D

Acq: 18 Sep 2017 13:43

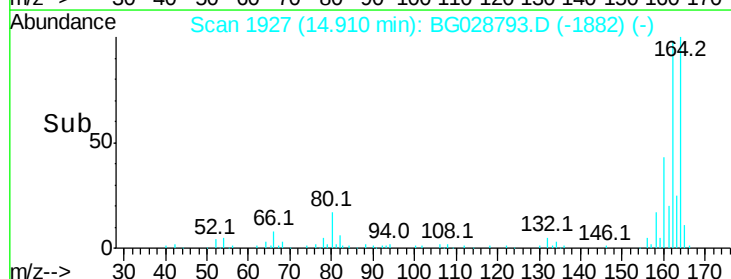
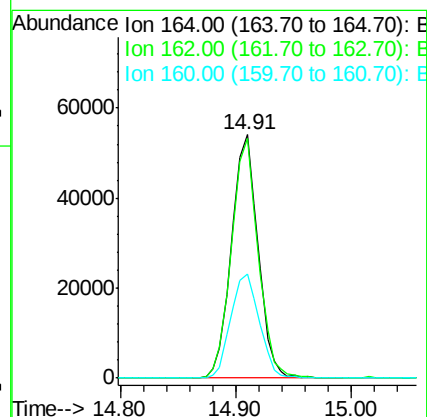
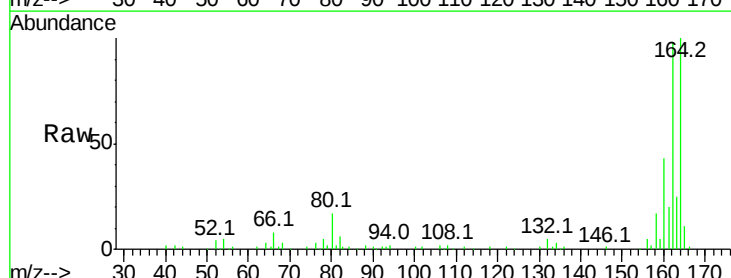
Tgt Ion: 164 Resp: 86182

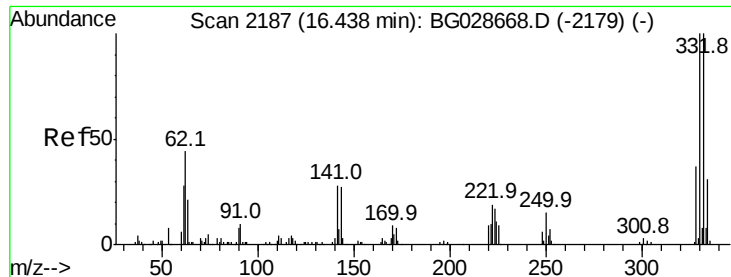
Ion Ratio Lower Upper

164 100

162 98.3 85.1 127.7

160 42.7 34.7 52.1

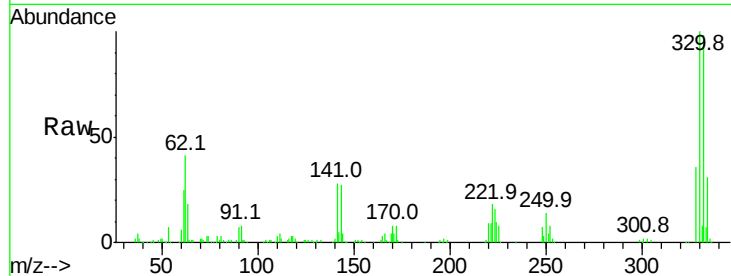




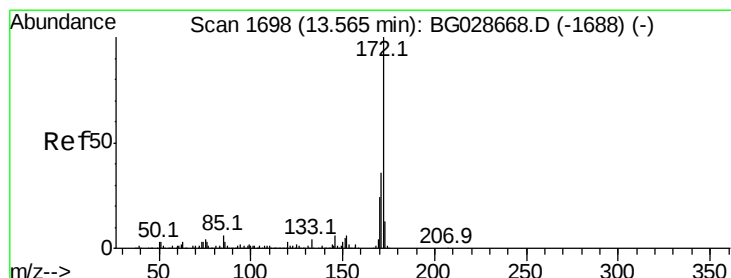
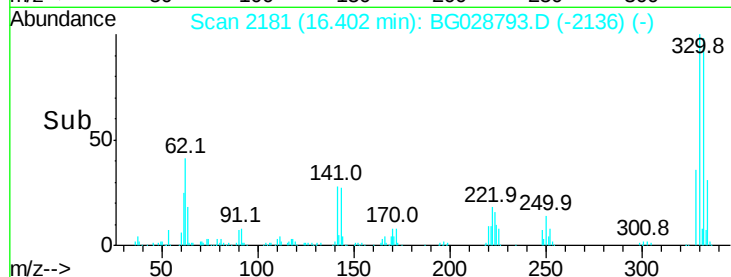
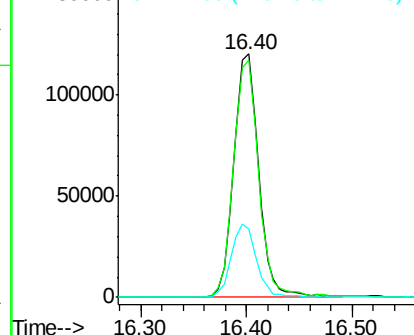
#41
 2,4,6-Tribromophenol
 Concen: 137.311 ng
 RT: 16.40 min Scan# 2181
 Delta R.T. -0.04 min
 Lab File: BG028793.D
 Acq: 18 Sep 2017 13:43

Instrument :
 BNA_G
 ClientSampleId :
 PB102386BL

Tot Ion:330 Resp: 195723
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.3 115.9
 141 30.1 32.1 48.1#

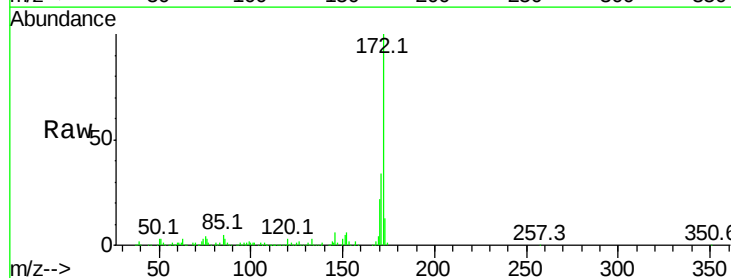


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

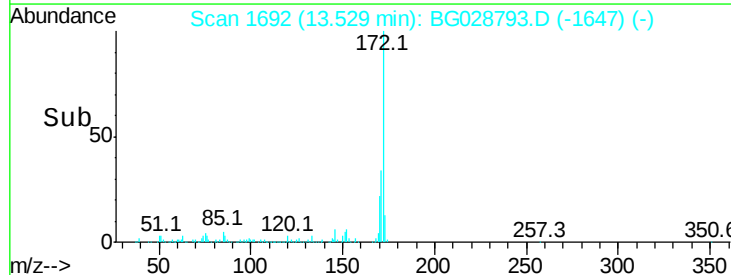
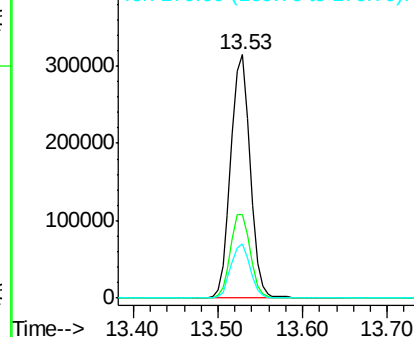


#44
 2-Fluorobiphenyl
 Concen: 76.997 ng
 RT: 13.53 min Scan# 1692
 Delta R.T. -0.04 min
 Lab File: BG028793.D
 Acq: 18 Sep 2017 13:43

Tgt Ion:172 Resp: 497651
 Ion Ratio Lower Upper
 172 100
 171 34.3 32.2 48.2
 170 22.1 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: 17.66 min Scan# 2395

Delta R.T. -0.04 min

Lab File: BG028793.D

Acq: 18 Sep 2017 13:43

Instrument :

BNA_G

ClientSampleId :

PB102386BL

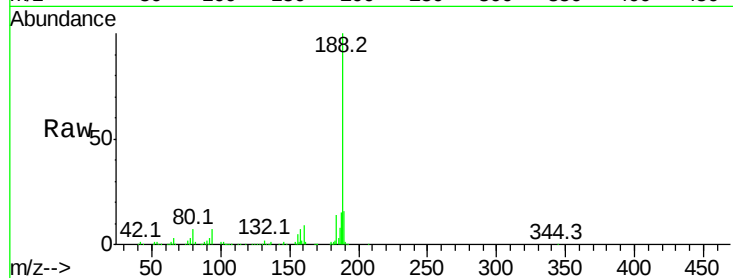
Tot Ion:188 Resp: 265266

Ion Ratio Lower Upper

188 100

94 6.5 5.8 8.8

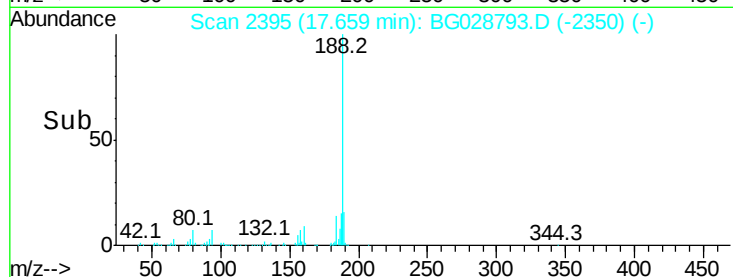
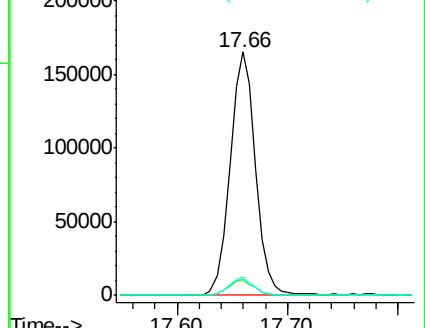
80 7.5 7.5 11.3#



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: 21.98 min Scan# 3131

Delta R.T. -0.05 min

Lab File: BG028793.D

Acq: 18 Sep 2017 13:43

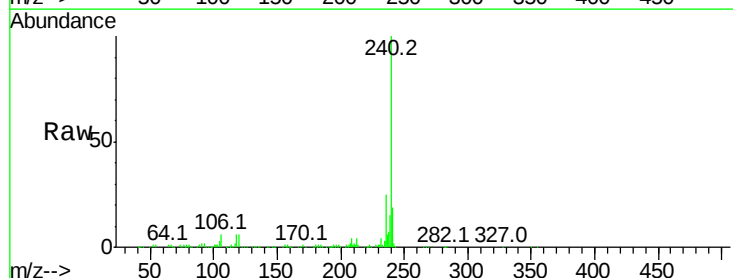
Tgt Ion:240 Resp: 303757

Ion Ratio Lower Upper

240 100

120 6.2 5.7 8.5

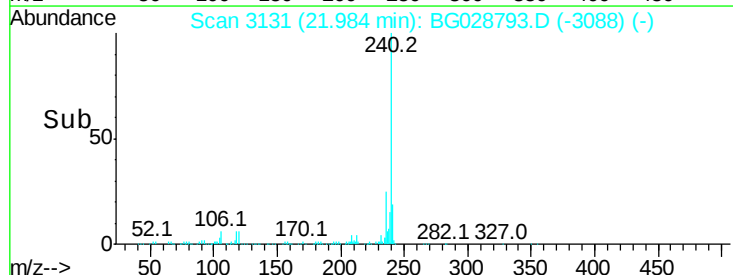
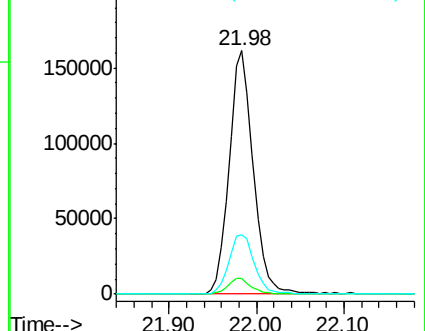
236 24.5 22.2 33.4

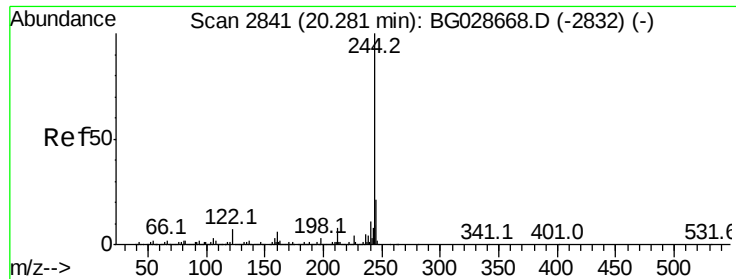


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 77.522 ng

RT: 20.24 min Scan# 2835

Delta R.T. -0.04 min

Lab File: BG028793.D

Acq: 18 Sep 2017 13:43

Instrument :

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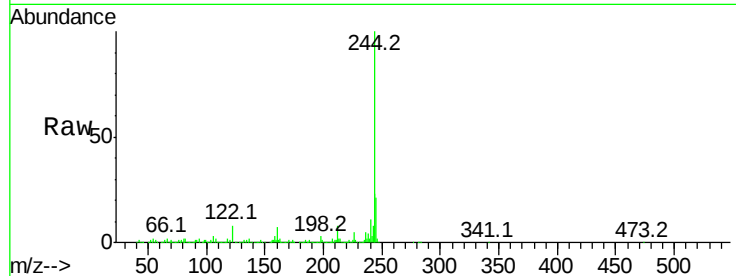
Tot Ion:244 Resp: 1104209

Ion	Ratio	Lower	Upper
244	100		
212	8.0	10.0	15.0#
122	7.5	8.6	12.8#

244 100

212 8.0 10.0 15.0#

122 7.5 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

20.24

800000

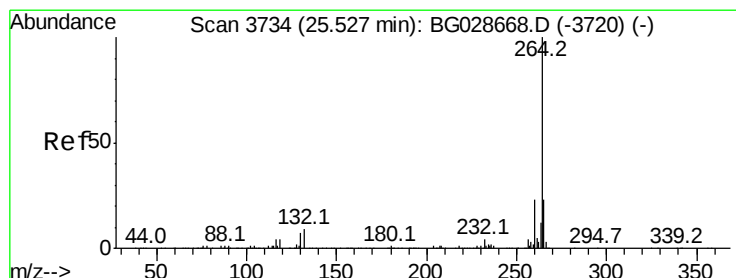
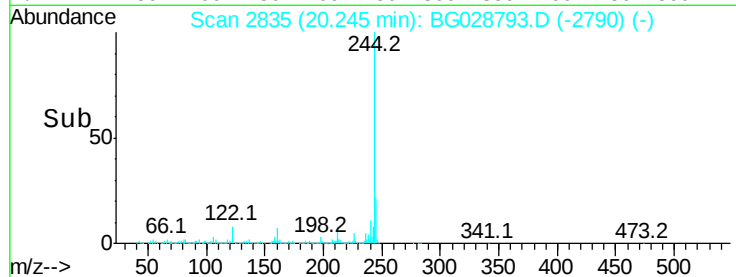
600000

400000

200000

0

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.46 min Scan# 3722

Delta R.T. -0.07 min

Lab File: BG028793.D

Acq: 18 Sep 2017 13:43

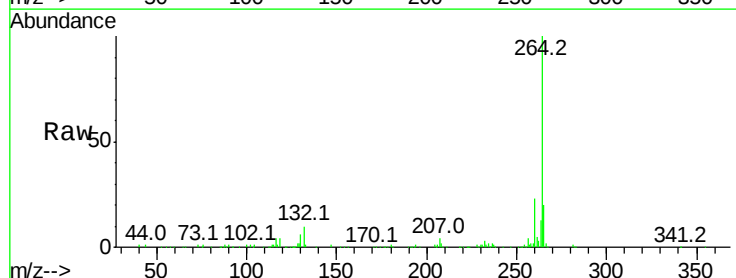
Tgt Ion:264 Resp: 305620

Ion	Ratio	Lower	Upper
264	100		
260	22.9	21.8	32.8
265	20.3	18.2	27.4

264 100

260 22.9 21.8 32.8

265 20.3 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

25.46

120000

100000

80000

60000

40000

20000

0

Time-->

