

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121817\
 Data File : BG031661.D
 Acq On : 19 Dec 2017 9:02
 Operator : SJ/JU
 Sample : I6957-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HALSTED-EW

Quant Time: Dec 19 10:00:01 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG121117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 17:25:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	75523	20.00	ng	-0.01
21) Naphthalene-d8	10.91	136	332025	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	220617	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	567172	20.00	ng	-0.01
75) Chrysene-d12	21.73	240	590473	20.00	ng	-0.02
86) Perylene-d12	25.01	264	522803	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	597540	140.24	ng	-0.01
7) Phenol-d6	7.27	99	711017	120.21	ng	0.00
23) Nitrobenzene-d5	9.27	82	485185	90.07	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	429052	166.00	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	1400307	93.17	ng	0.00
78) Terphenyl-d14	20.06	244	2354304	90.71	ng	-0.01

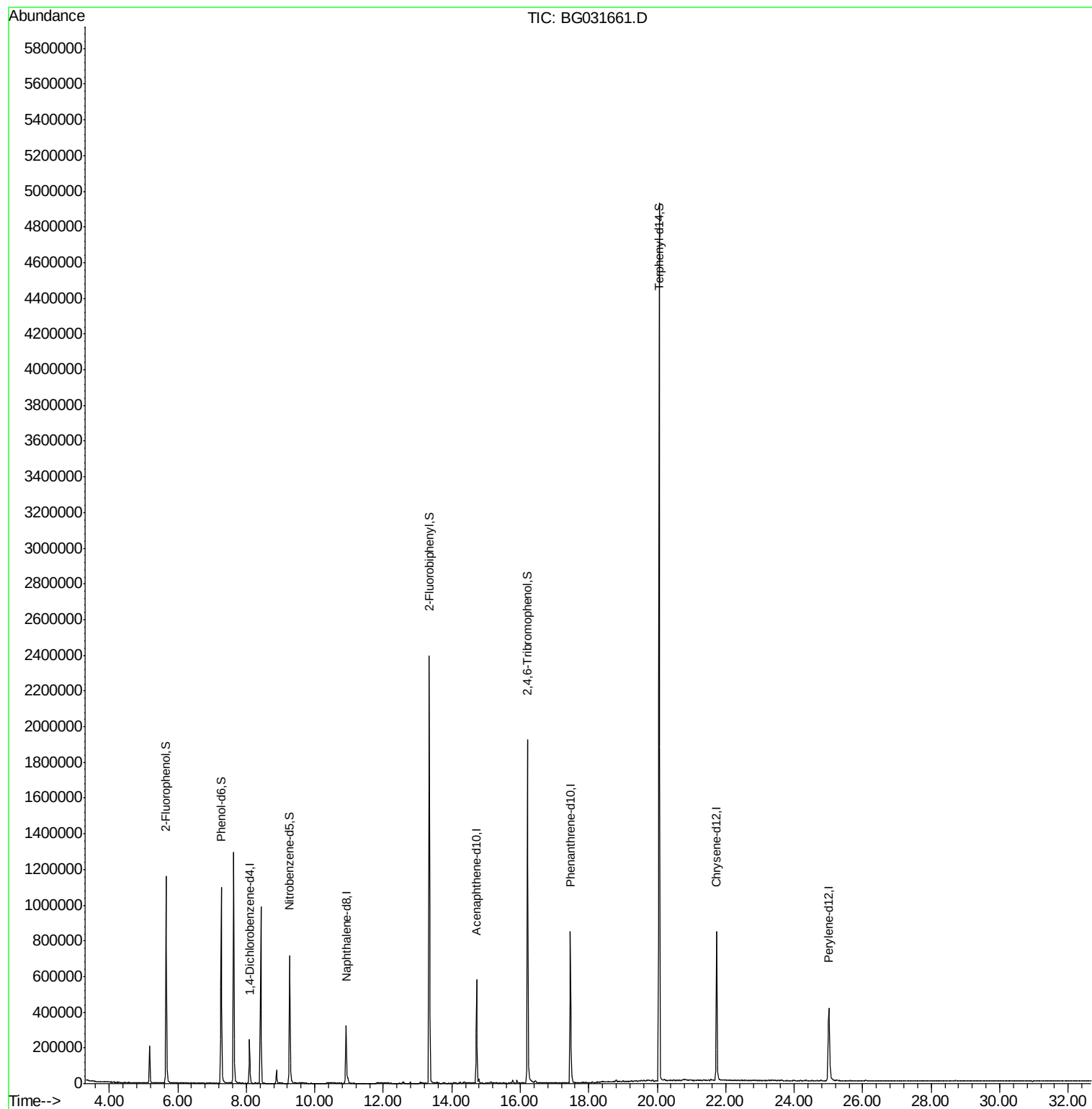
Target Compounds	Qvalue
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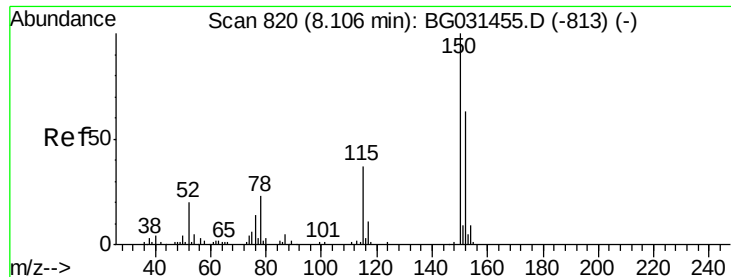
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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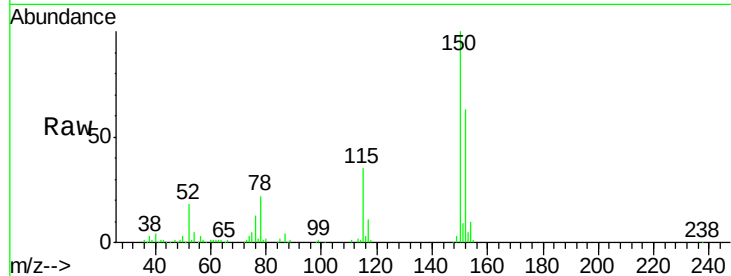


#1

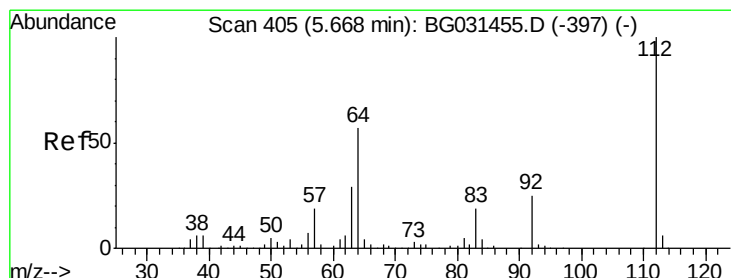
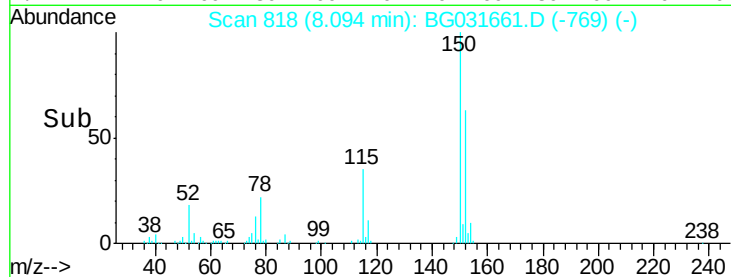
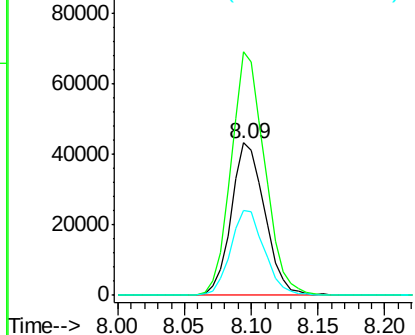
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG031661.D
Acq: 19 Dec 2017 9:02

Instrument :
BNA_G
ClientSampleId :
HALSTED-EW

Tgt Ion:152 Resp: 75523
Ion Ratio Lower Upper
152 100
150 159.5 126.6 189.8
115 55.7 53.0 79.4



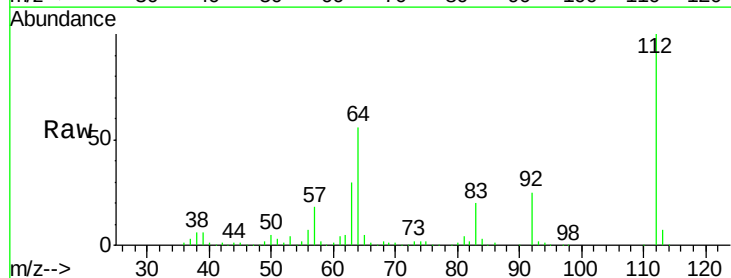
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



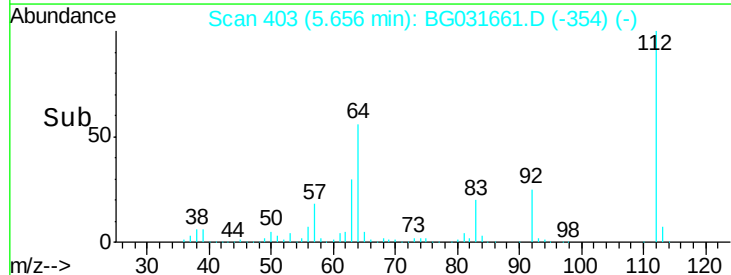
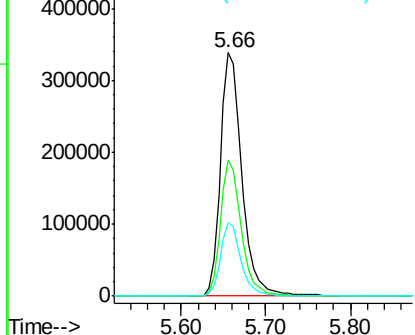
#5

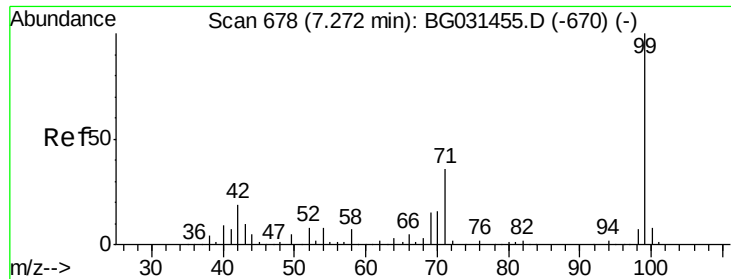
2-Fluorophenol
Concen: 140.242 ng
RT: 5.66 min Scan# 403
Delta R.T. -0.01 min
Lab File: BG031661.D
Acq: 19 Dec 2017 9:02

Tgt Ion:112 Resp: 597540
Ion Ratio Lower Upper
112 100
64 56.0 56.3 84.5#
63 29.9 30.1 45.1#



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: 120.207 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG031661.D

Acq: 19 Dec 2017 9:02

Instrument :

BNA_G

ClientSampleId :

HALSTED-EW

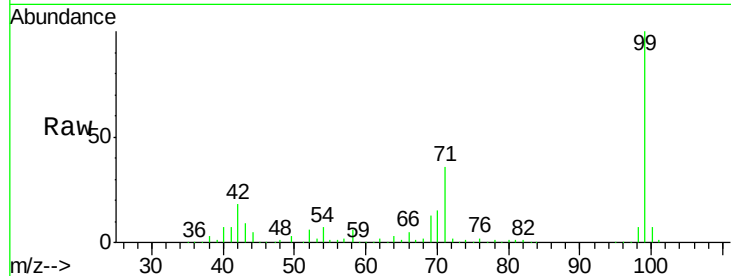
Tgt Ion: 99 Resp: 711017

Ion Ratio Lower Upper

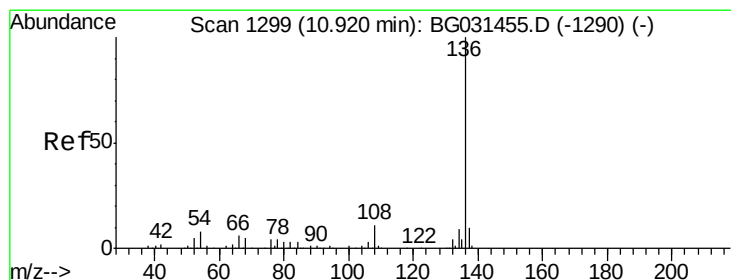
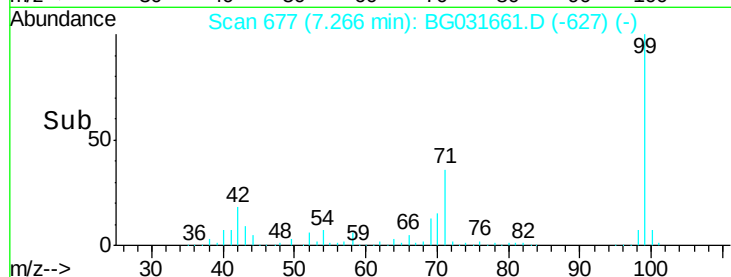
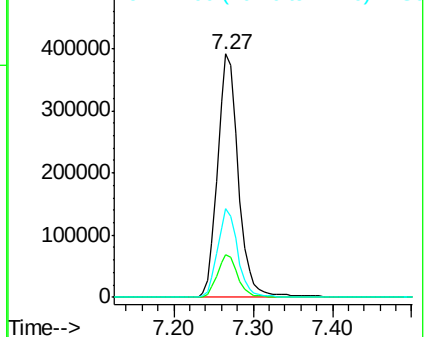
99 100

42 17.5 14.1 21.1

71 36.5 26.1 39.1



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: 10.91 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BG031661.D

Acq: 19 Dec 2017 9:02

Tgt Ion: 136 Resp: 332025

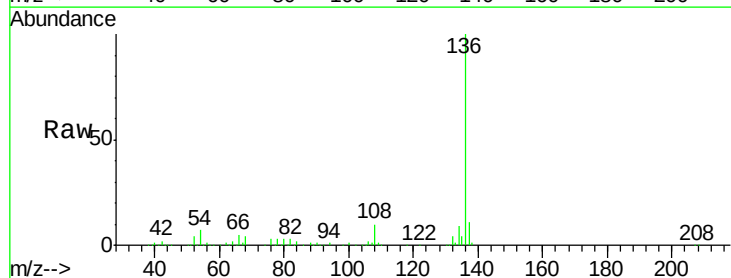
Ion Ratio Lower Upper

136 100

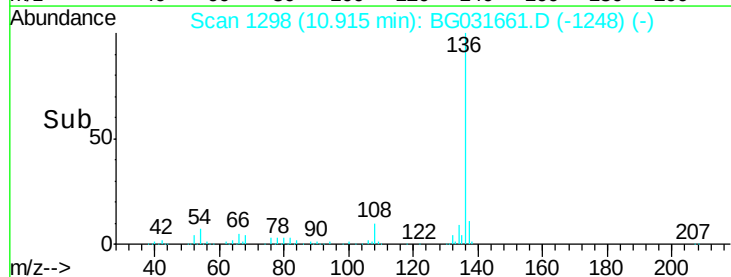
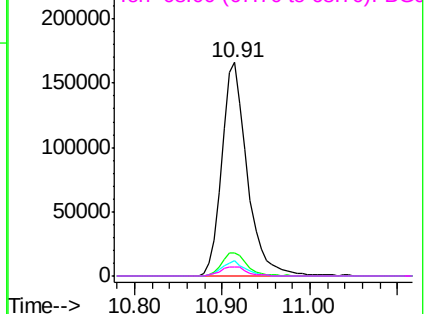
137 10.7 9.2 13.8

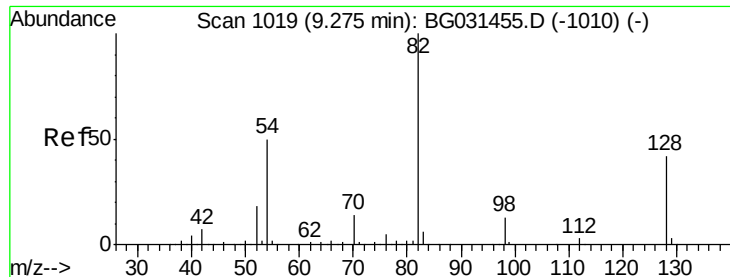
54 7.2 10.3 15.5#

68 4.5 4.5 6.7#



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: 90.069 ng

RT: 9.27 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BG031661.D

Acq: 19 Dec 2017 9:02

Instrument :

BNA_G

ClientSampleId :

HALSTED-EW

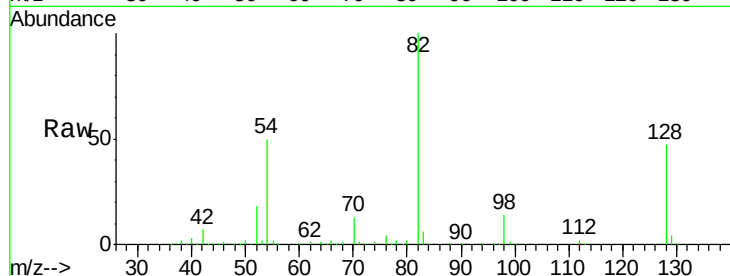
Tgt Ion: 82 Resp: 485185

Ion Ratio Lower Upper

82 100

128 46.8 29.7 44.5#

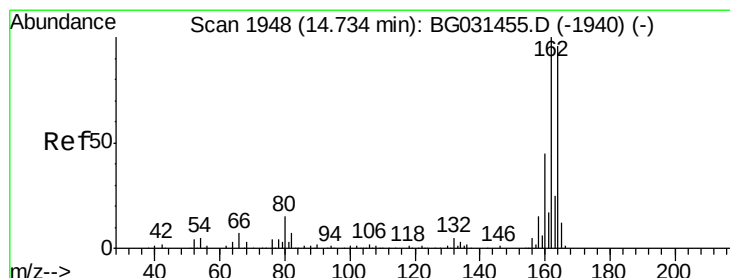
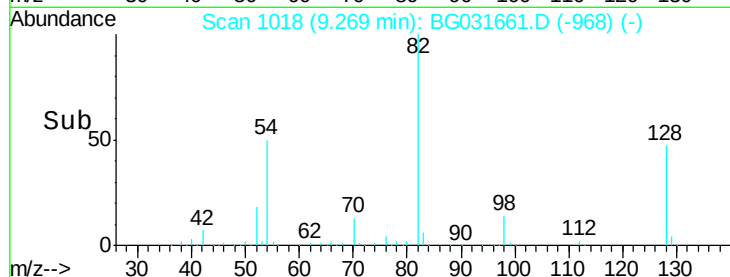
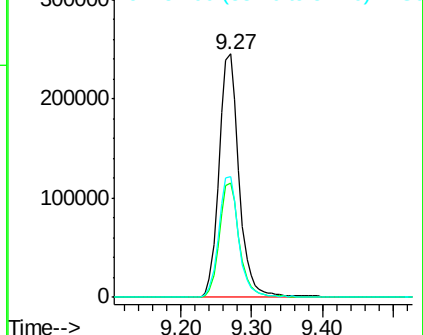
54 49.6 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BG031661.D

Acq: 19 Dec 2017 9:02

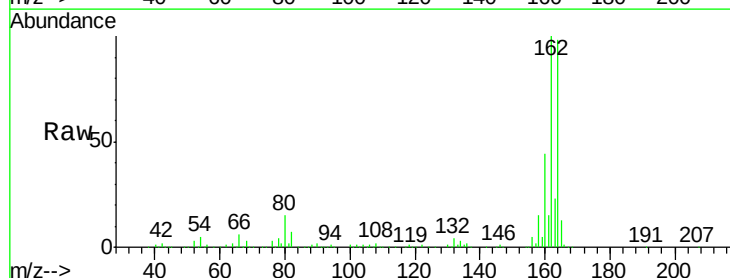
Tgt Ion: 164 Resp: 220617

Ion Ratio Lower Upper

164 100

162 102.0 78.8 118.2

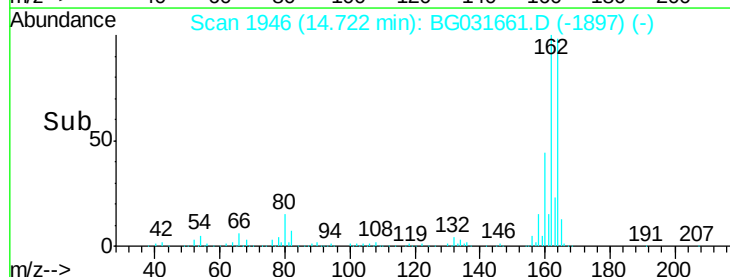
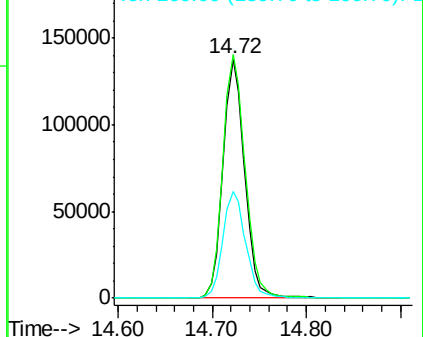
160 44.6 35.4 53.0

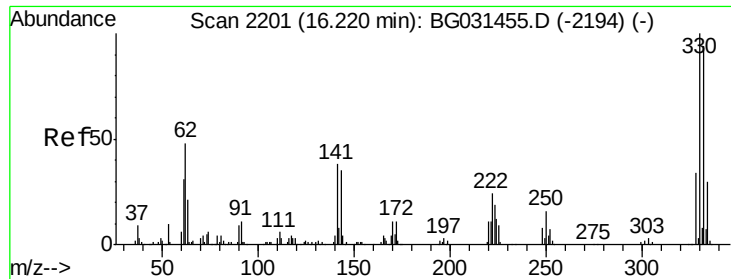


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

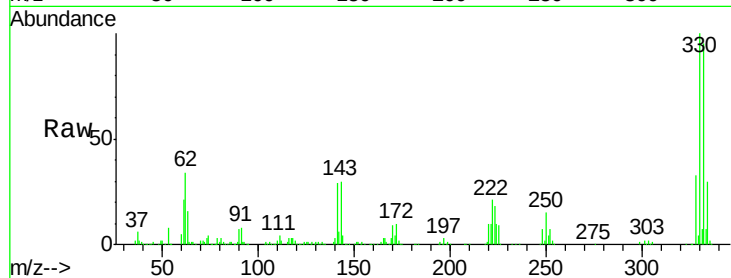




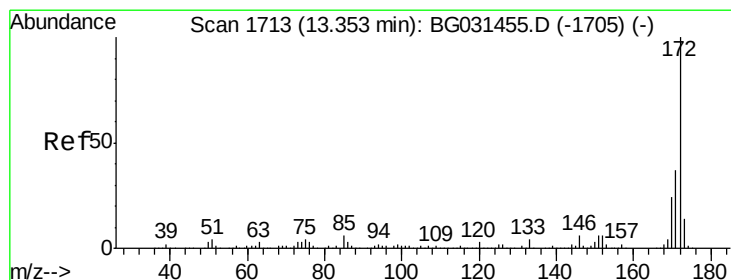
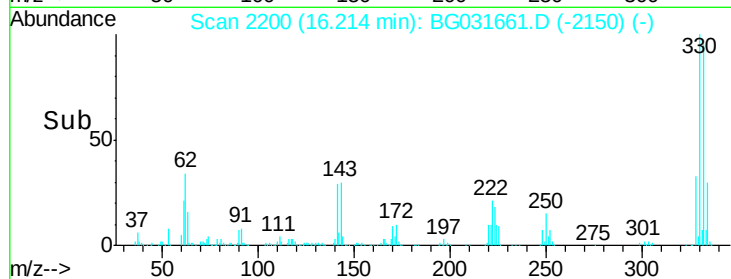
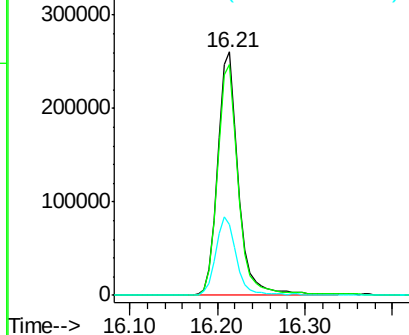
#41
 2,4,6-Tribromophenol
 Concen: 166.002 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG031661.D
 Acq: 19 Dec 2017 9:02

Instrument :
 BNA_G
 ClientSampleId :
 HALSTED-EW

Tgt Ion:330 Resp: 429052
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 32.6 25.2 37.8

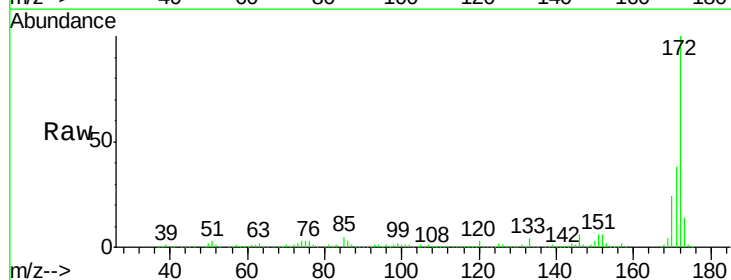


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

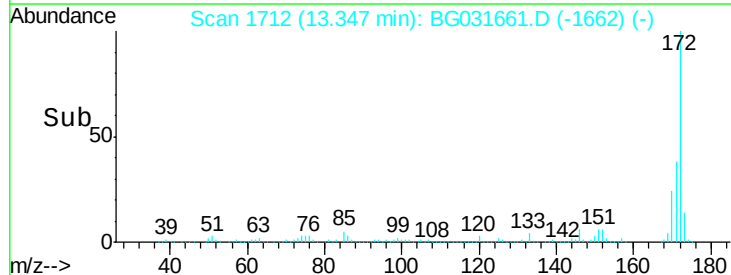
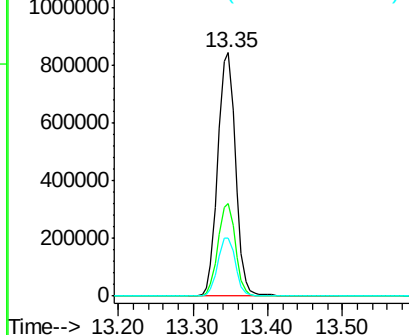


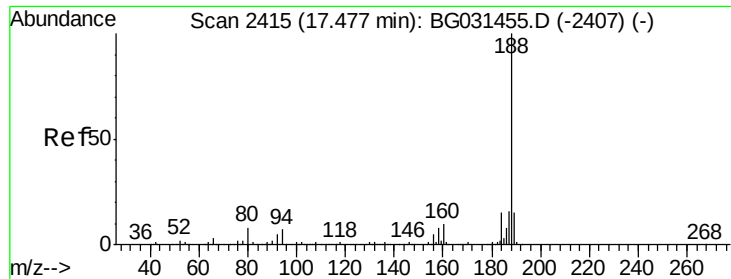
#44
 2-Fluorobiphenyl
 Concen: 93.169 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BG031661.D
 Acq: 19 Dec 2017 9:02

Tgt Ion:172 Resp: 1400307
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 24.0 19.5 29.3



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: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG031661.D

Acq: 19 Dec 2017 9:02

Instrument :

BNA_G

ClientSampleId :

HALSTED-EW

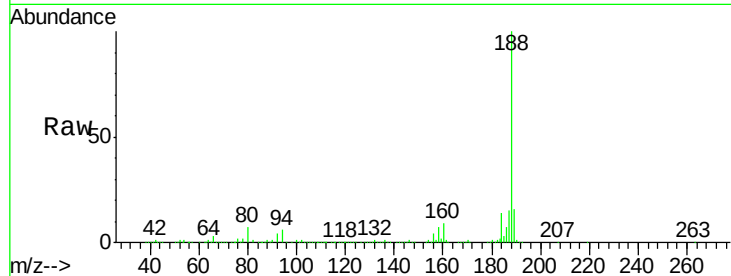
Tgt Ion:188 Resp: 567172

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

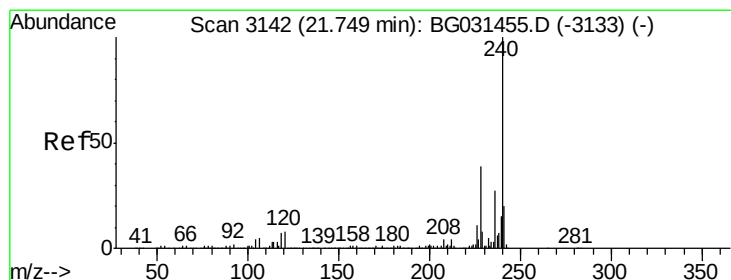
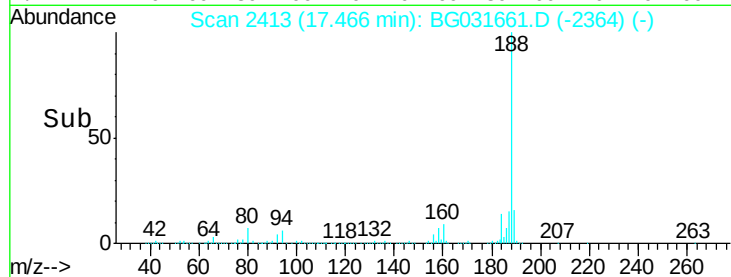
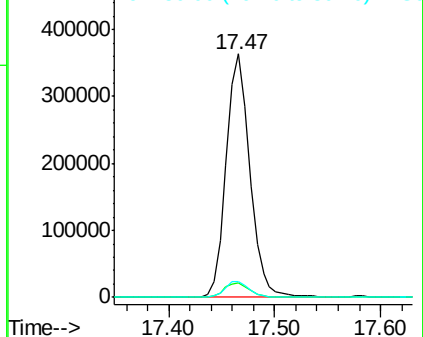
80 6.7 7.7 11.5#



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: 21.73 min Scan# 3139

Delta R.T. -0.02 min

Lab File: BG031661.D

Acq: 19 Dec 2017 9:02

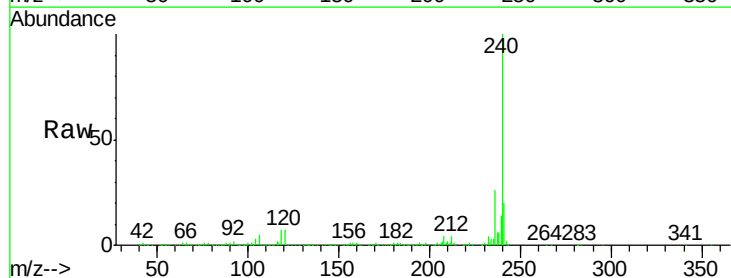
Tgt Ion:240 Resp: 590473

Ion Ratio Lower Upper

240 100

120 6.9 6.8 10.2

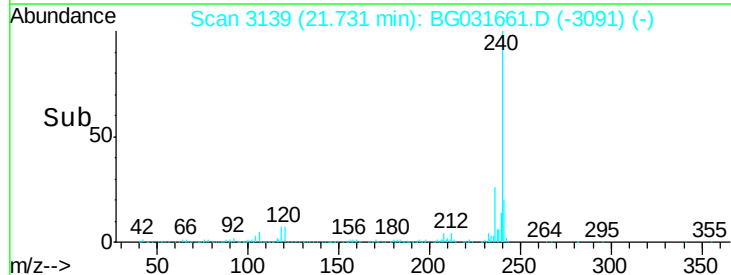
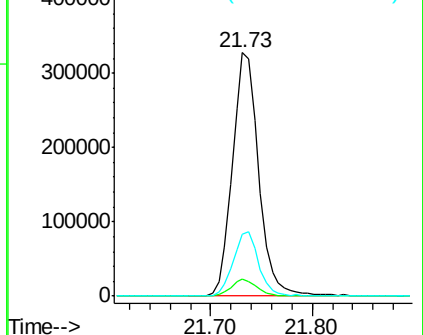
236 25.6 20.9 31.3

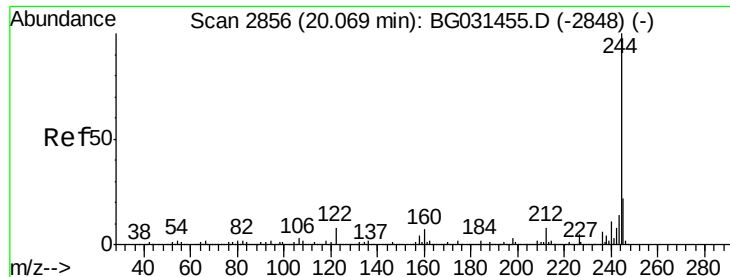


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 90.714 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG031661.D

Acq: 19 Dec 2017 9:02

Instrument :

BNA_G

ClientSampleId :

HALSTED-EW

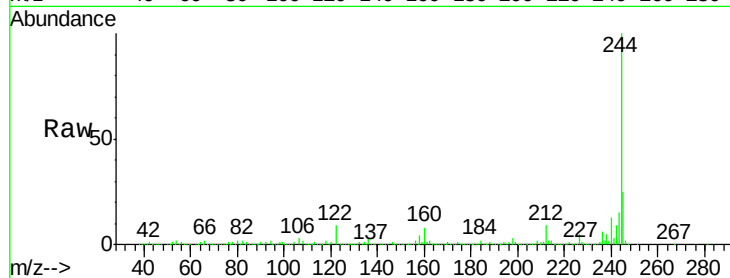
Tgt Ion:244 Resp: 2354304

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

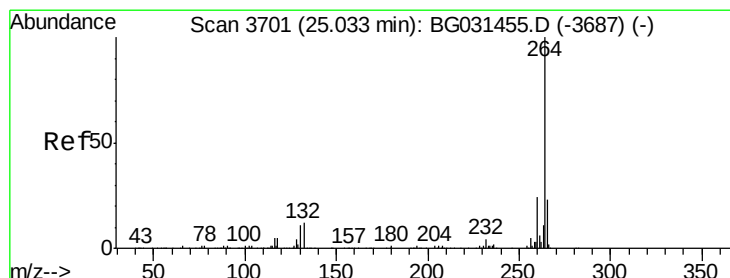
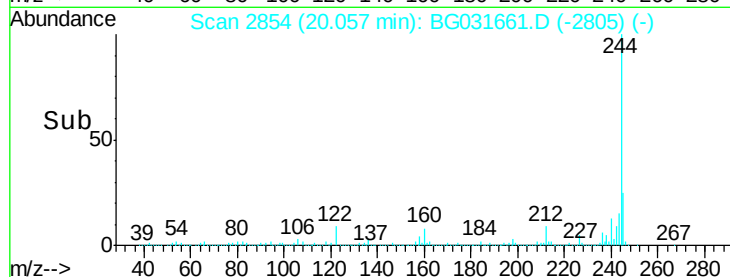
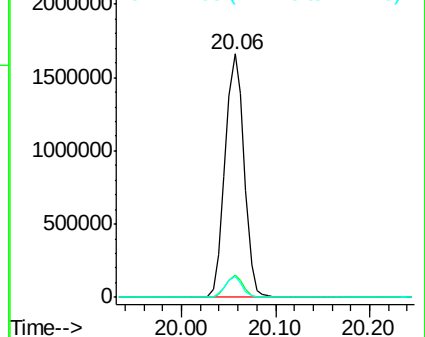
122 8.6 7.0 10.4



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: 25.01 min Scan# 3697

Delta R.T. -0.02 min

Lab File: BG031661.D

Acq: 19 Dec 2017 9:02

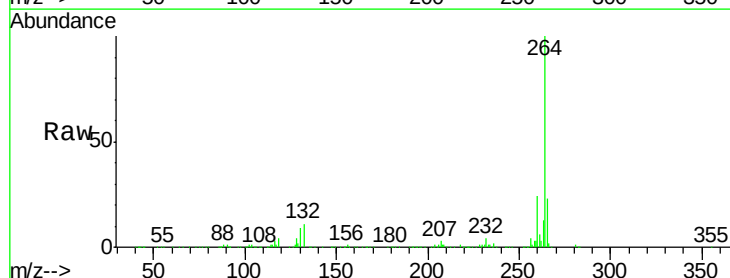
Tgt Ion:264 Resp: 522803

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 22.7 17.7 26.5



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

