

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
 Data File : BG022654.D
 Acq On : 27 Jun 2016 22:38
 Operator : UM/SJ
 Sample : H3761-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-5F-9-11

Quant Time: Jun 28 01:09:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

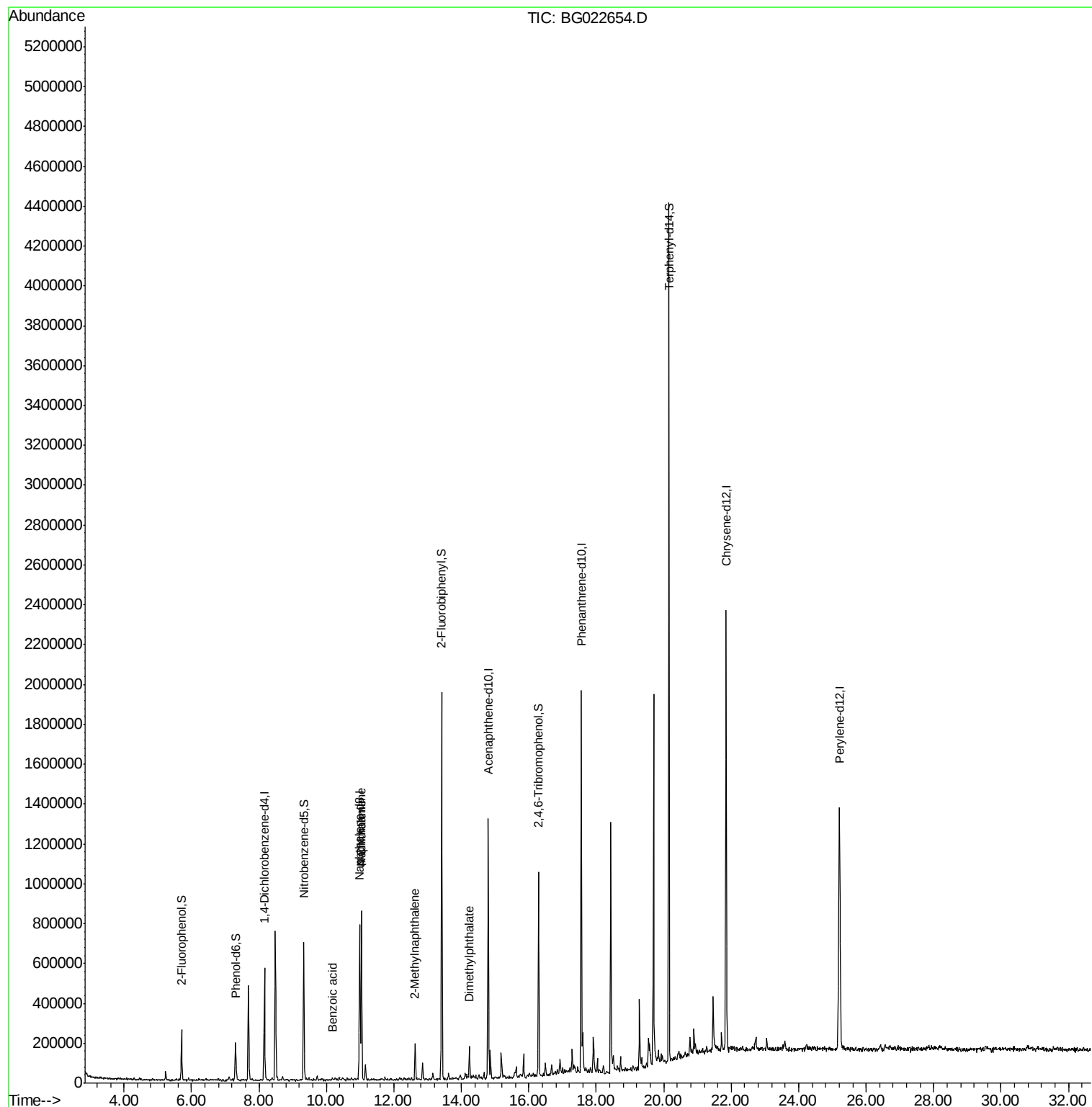
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	144690	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	609894	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	458038	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1154663	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1369854	20.00	ng	0.00
86) Perylene-d12	25.21	264	1463576	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	104430	11.58	ng	0.00
7) Phenol-d6	7.31	99	101250	7.96	ng	0.00
23) Nitrobenzene-d5	9.33	82	460710	31.97	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	195237	27.10	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	948724	32.85	ng	0.00
78) Terphenyl-d14	20.16	244	1692676	32.74	ng	0.00
Target Compounds						
31) Naphthalene	11.04	128	653719	21.32	ng	Qvalue 97
32) Benzoic acid	10.17	122	2783	5.46	ng	# 67
33) 4-Chloroaniline	11.04	127	90817	6.88	ng	# 22
37) 2-Methylnaphthalene	12.63	142	81952	3.45	ng	91
49) Dimethylphthalate	14.24	163	91699	2.41	ng	# 98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022654.D

Acq: 27 Jun 2016 22:38

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ClientSampleId :

LOCATION-5F-9-11

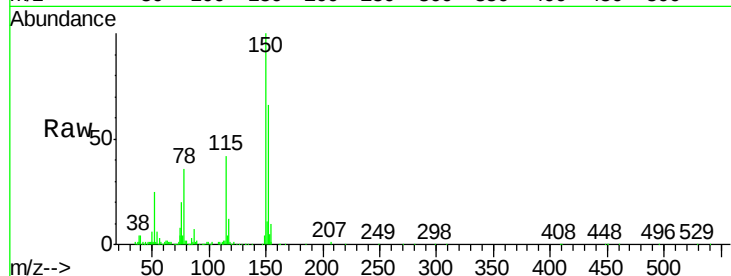
Tgt Ion:152 Resp: 144690

Ion Ratio Lower Upper

152 100

150 151.8 144.7 217.1

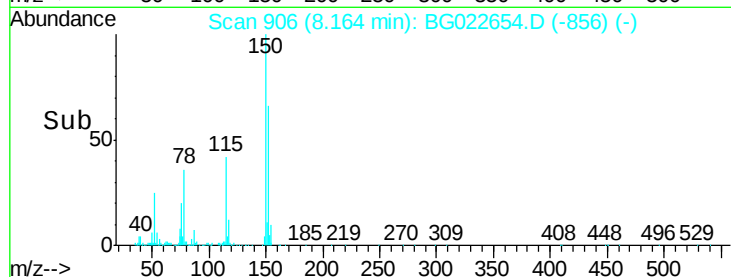
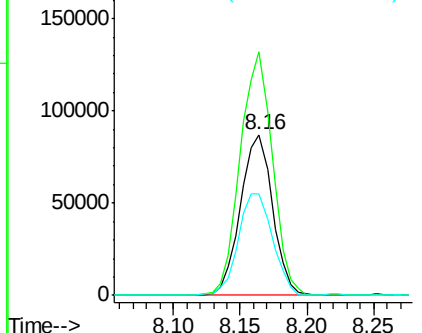
115 63.0 64.0 96.0#



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: 11.58 ng

RT: 5.71 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG022654.D

Acq: 27 Jun 2016 22:38

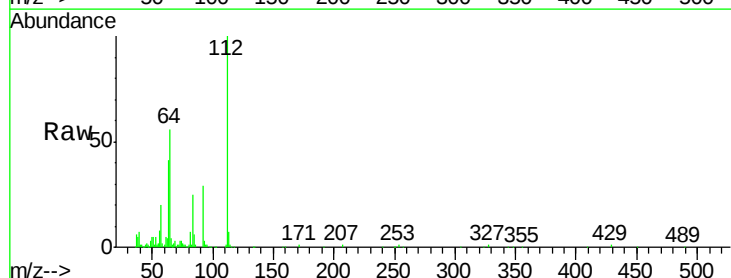
Tgt Ion:112 Resp: 104430

Ion Ratio Lower Upper

112 100

64 55.8 59.0 88.4#

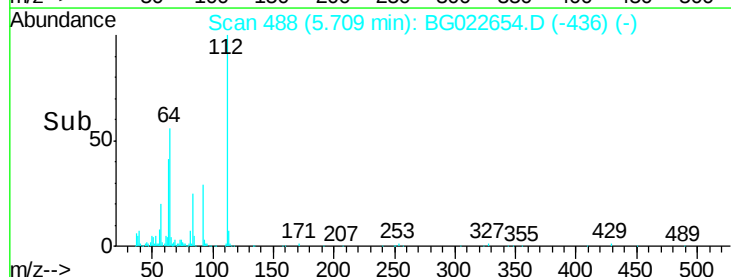
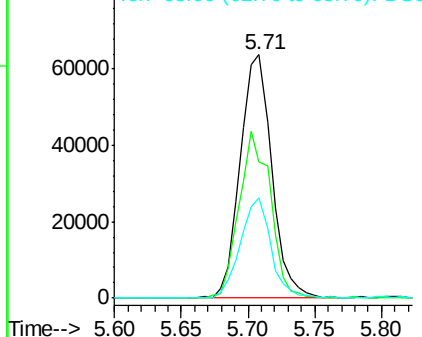
63 41.4 37.8 56.8



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: 7.96 ng

RT: 7.31 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022654.D

Acq: 27 Jun 2016 22:38

Instrument :

BNA_G

ClientSampleId :

LOCATION-5F-9-11

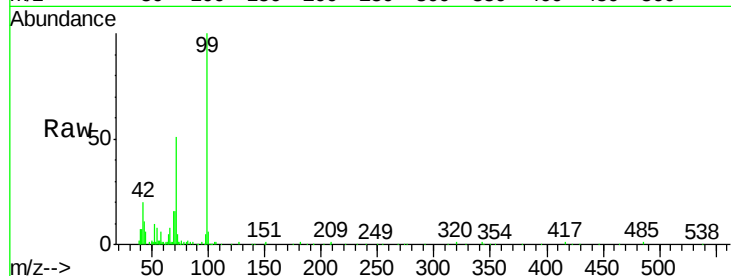
Tgt Ion: 99 Resp: 101250

Ion Ratio Lower Upper

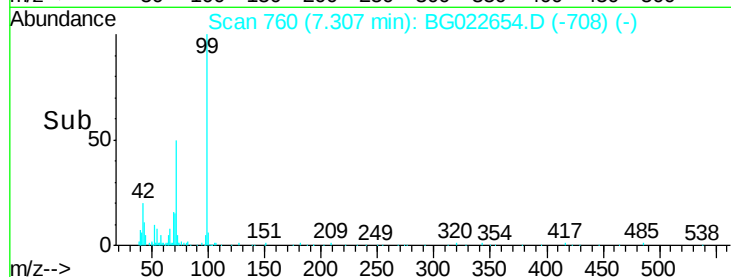
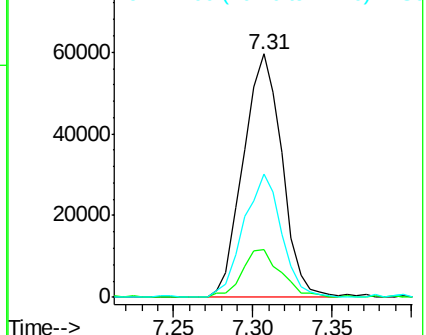
99 100

42 19.5 17.8 26.6

71 50.7 41.5 62.3



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: 10.98 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BG022654.D

Acq: 27 Jun 2016 22:38

Tgt Ion: 136 Resp: 609894

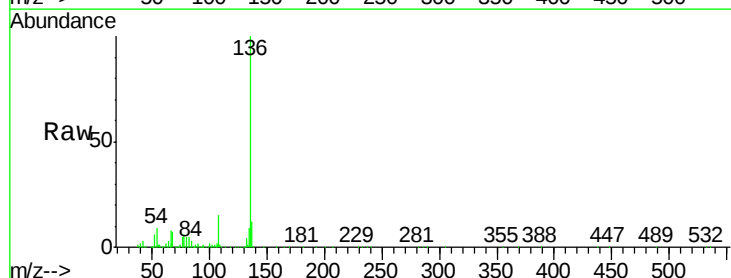
Ion Ratio Lower Upper

136 100

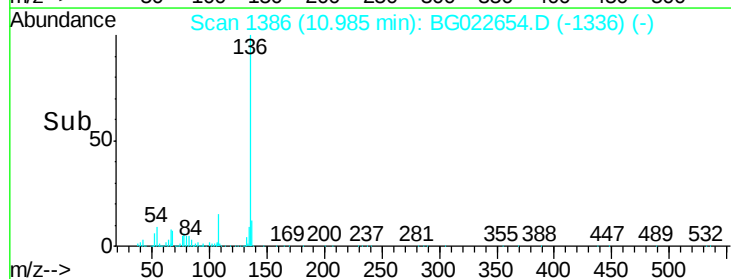
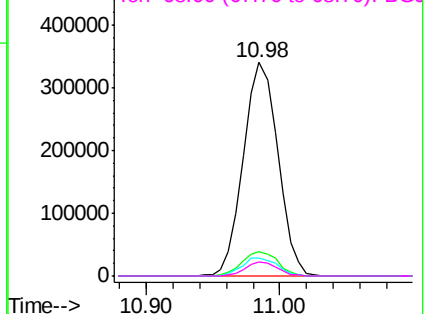
137 11.5 9.6 14.4

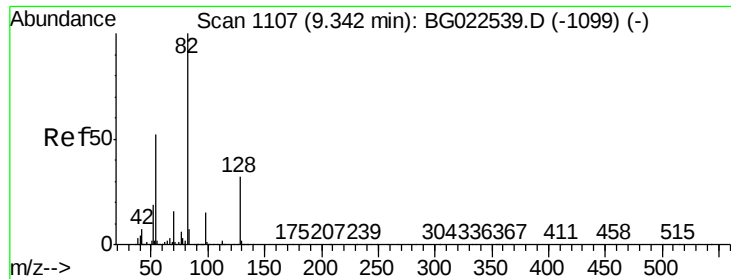
54 8.5 7.3 10.9

68 6.7 5.3 7.9



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

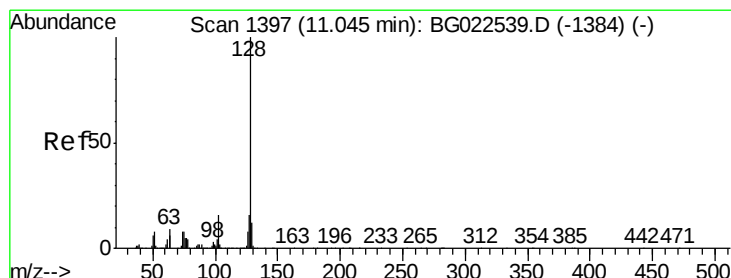
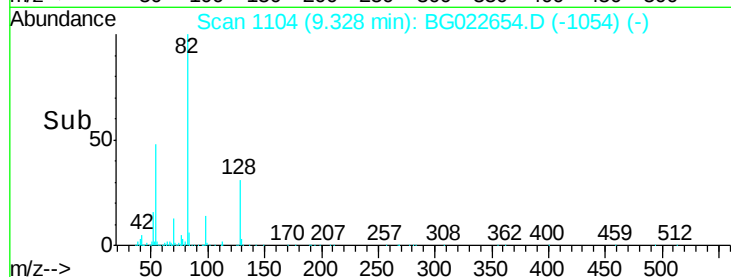
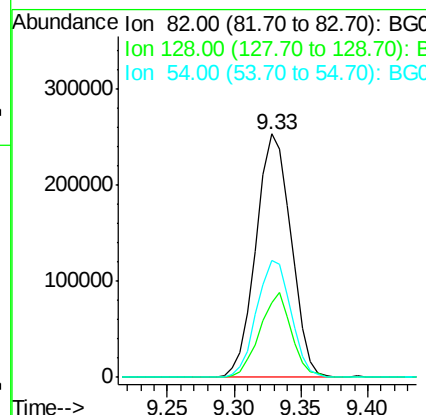
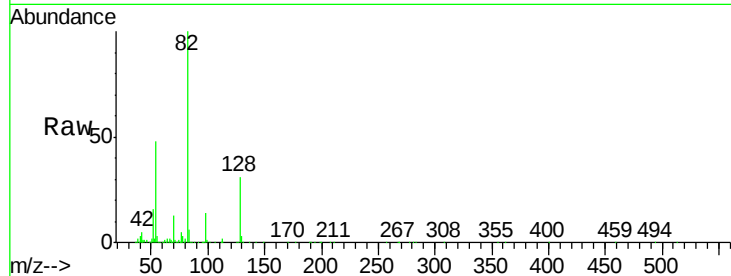




#23
Nitrobenzene-d5
Concen: 31.97 ng
RT: 9.33 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BG022654.D
Acq: 27 Jun 2016 22:38

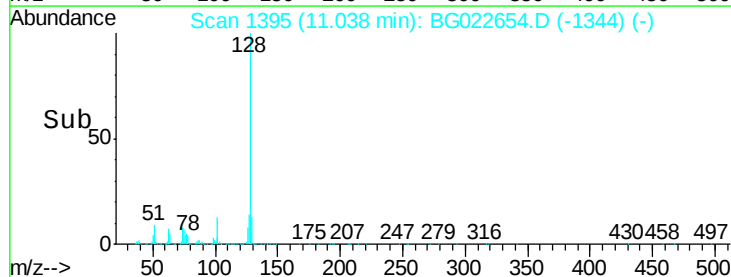
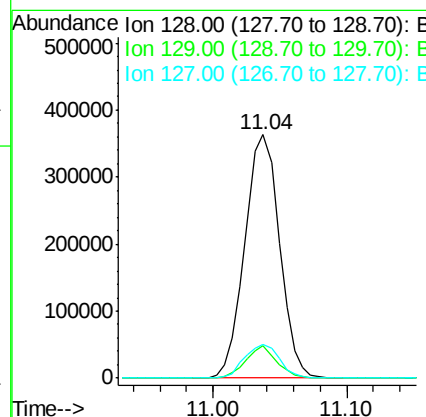
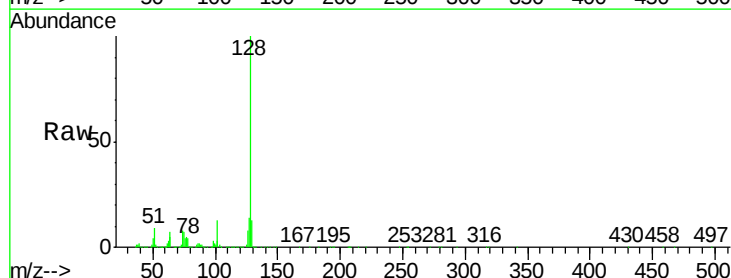
Instrument :
BNA_G
ClientSampleId :
LOCATION-5F-9-11

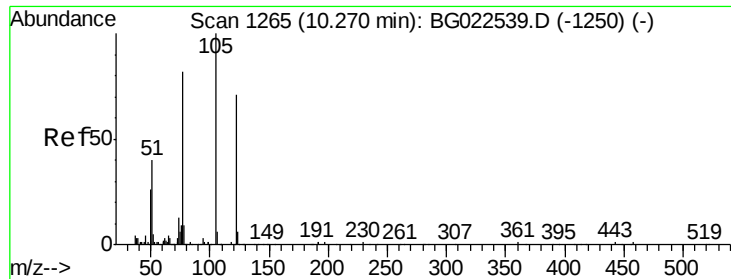
Tgt Ion	Ratio	Lower	Upper
82	100		
128	30.8	24.4	36.6
54	47.8	41.4	62.0



#31
Naphthalene
Concen: 21.32 ng
RT: 11.04 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BG022654.D
Acq: 27 Jun 2016 22:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.4	14.0
127	13.6	11.3	16.9





#32

Benzoic acid

Concen: 5.46 ng

RT: 10.17 min Scan# 1248

Delta R.T. -0.03 min

Lab File: BG022654.D

Acq: 27 Jun 2016 22:38

Instrument :

BNA_G

ClientSampleId :

LOCATION-5F-9-11

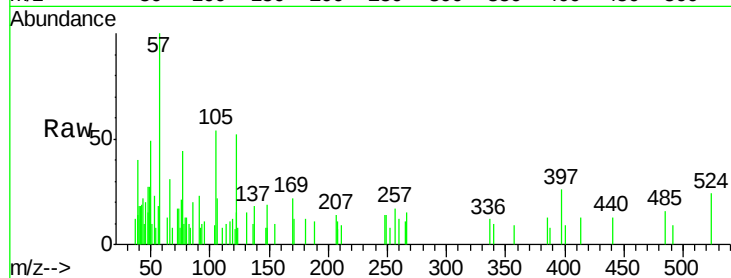
Tgt Ion:122 Resp: 2783

Ion Ratio Lower Upper

122 100

105 103.6 117.2 157.2#

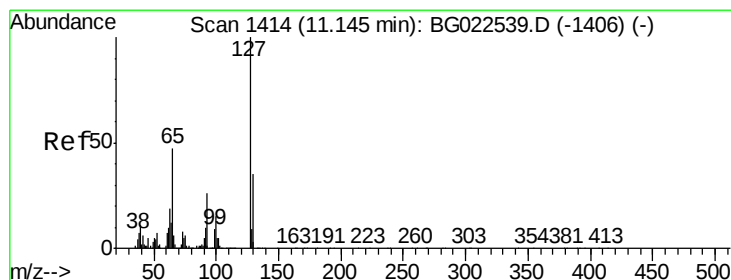
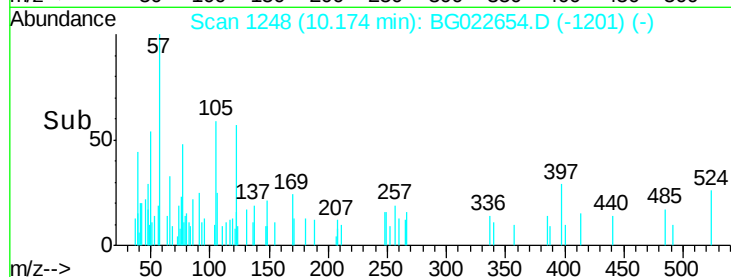
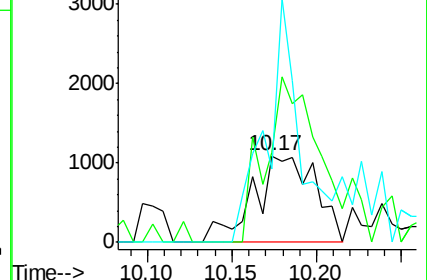
77 85.2 109.2 149.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 6.88 ng

RT: 11.04 min Scan# 1395

Delta R.T. -0.11 min

Lab File: BG022654.D

Acq: 27 Jun 2016 22:38

Tgt Ion:127 Resp: 90817

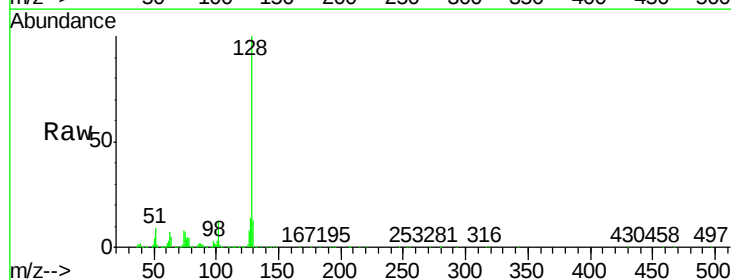
Ion Ratio Lower Upper

127 100

129 99.0 27.9 41.9#

65 0.0 36.8 55.2#

92 0.0 21.0 31.6#

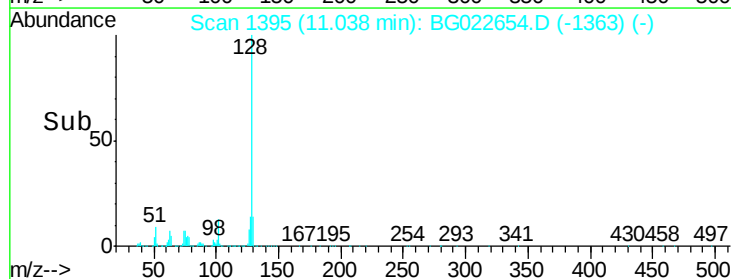
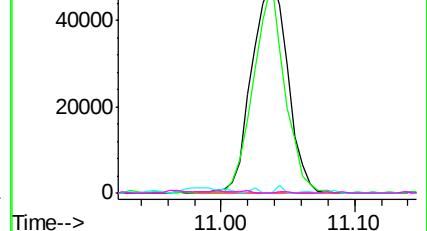


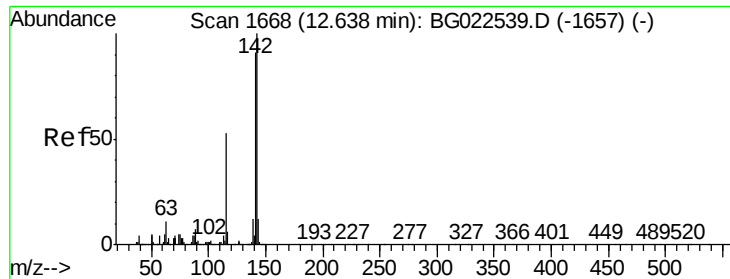
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

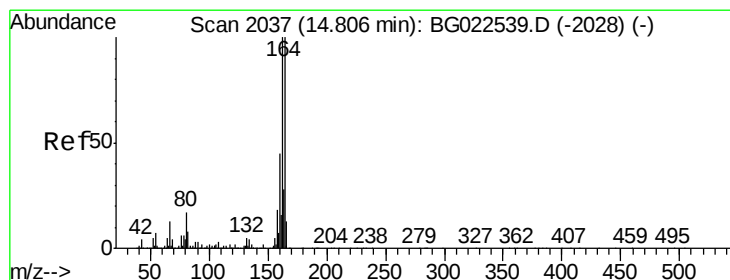
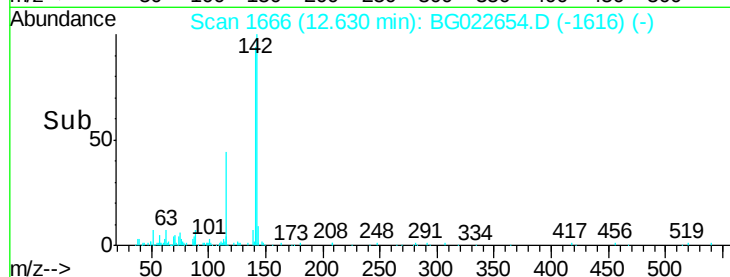
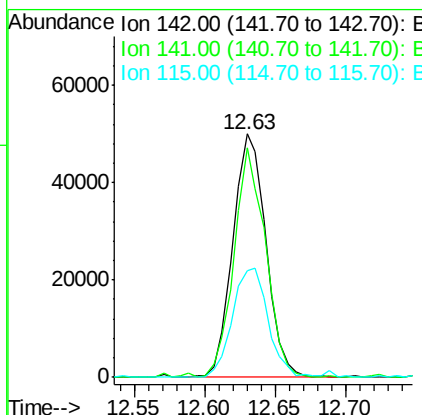
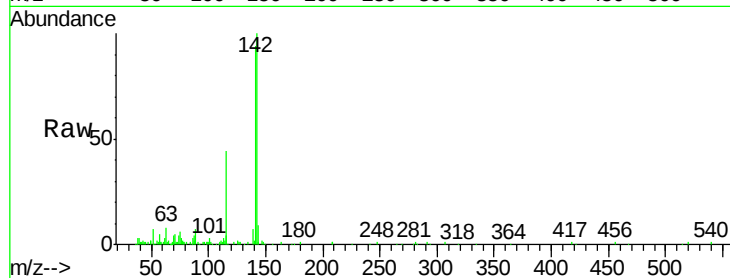




#37
 2-Methylnaphthalene
 Concen: 3.45 ng
 RT: 12.63 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BG022654.D
 Acq: 27 Jun 2016 22:38

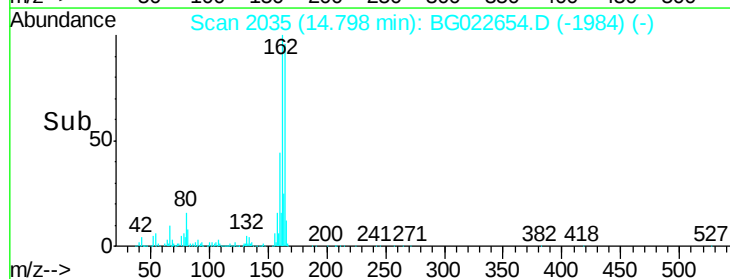
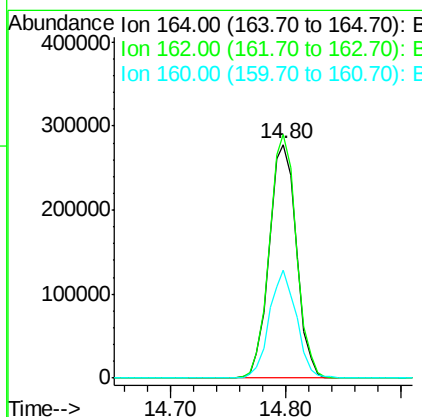
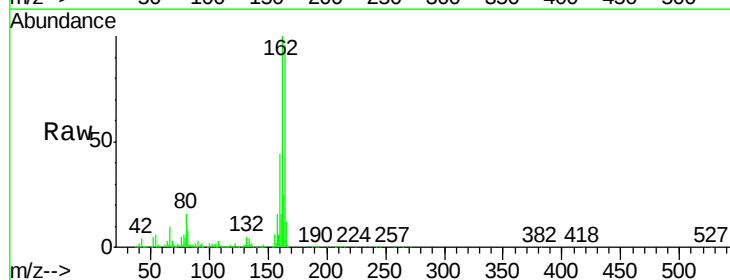
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 BNA_G
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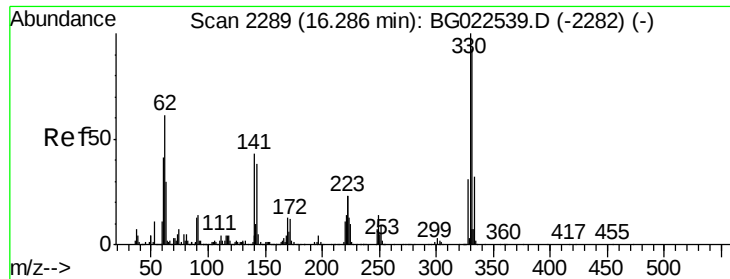
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.2	70.2	105.2
115	43.7	41.7	62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BG022654.D
 Acq: 27 Jun 2016 22:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	87.7	131.5
160	46.0	37.2	55.8

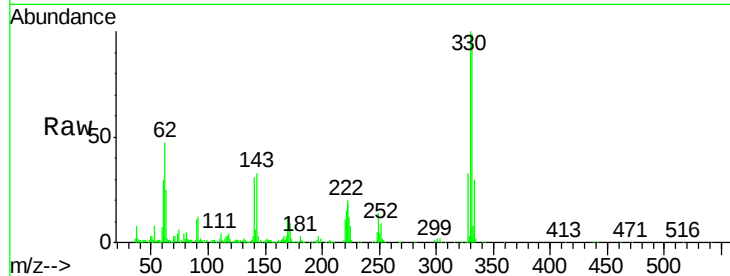




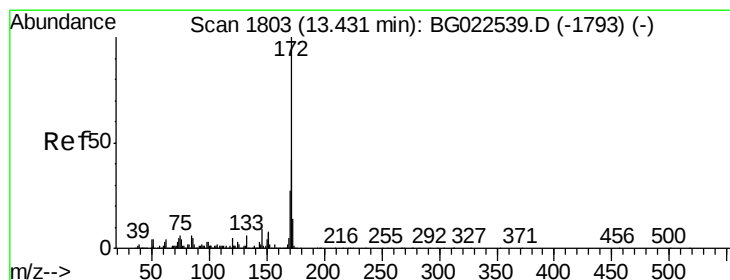
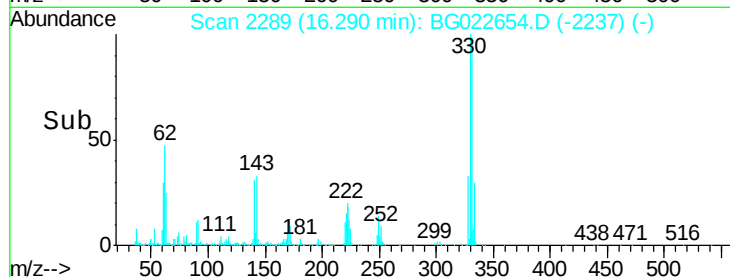
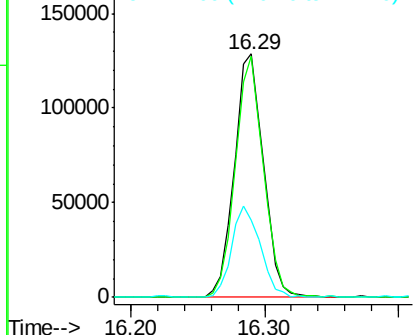
#41
 2,4,6-Tribromophenol
 Concen: 27.10 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. 0.00 min
 Lab File: BG022654.D
 Acq: 27 Jun 2016 22:38

Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-5F-9-11

Tgt Ion:330 Resp: 195237
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.4 116.2
 141 37.3 31.7 47.5

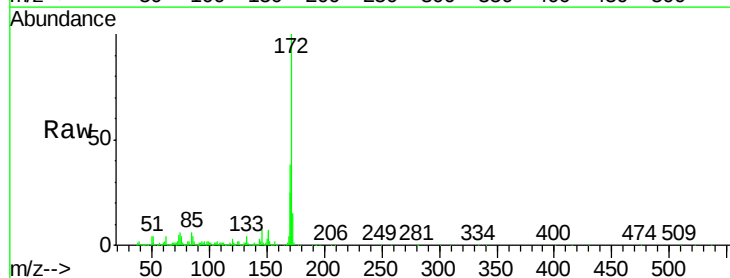


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

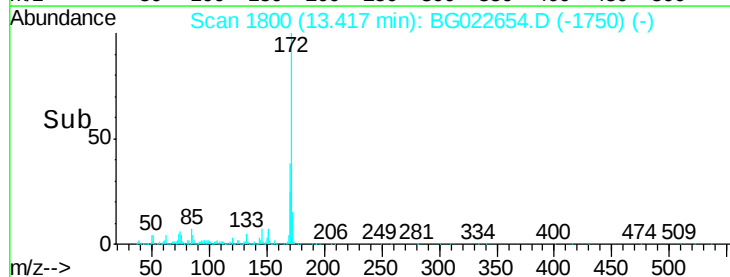
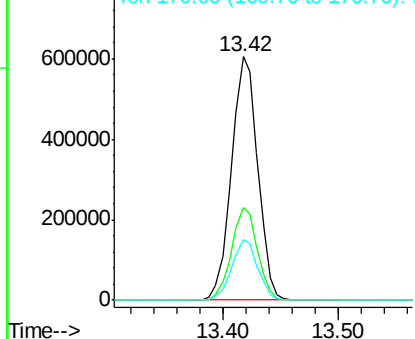


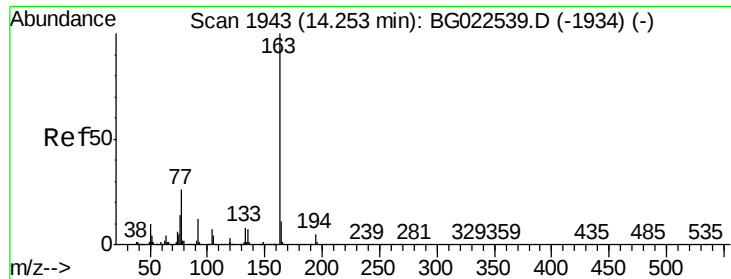
#44
 2-Fluorobiphenyl
 Concen: 32.85 ng
 RT: 13.42 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BG022654.D
 Acq: 27 Jun 2016 22:38

Tgt Ion:172 Resp: 948724
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.6 47.4
 170 25.1 21.3 31.9



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: 2.41 ng

RT: 14.24 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG022654.D

Acq: 27 Jun 2016 22:38

Instrument :

BNA_G

ClientSampleId :

LOCATION-5F-9-11

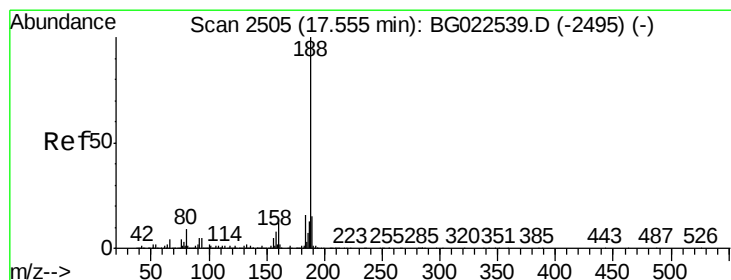
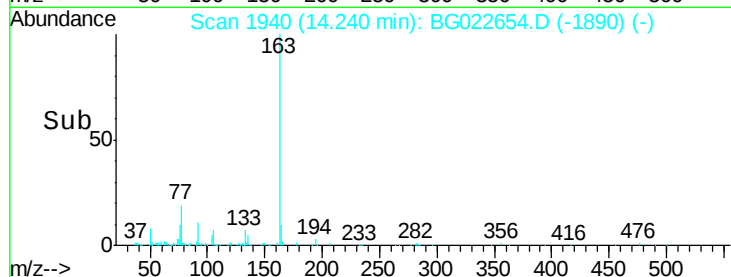
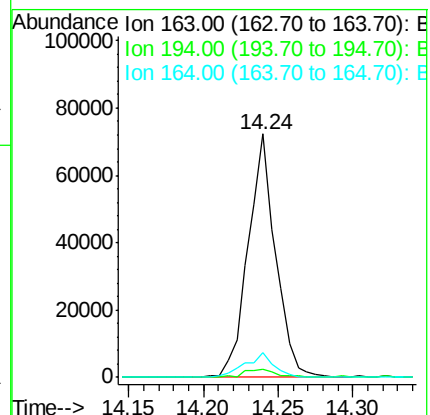
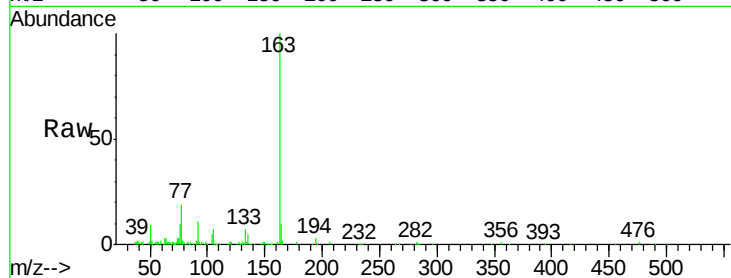
Tgt Ion:163 Resp: 91699

Ion Ratio Lower Upper

163 100

194 3.2 3.6 5.4#

164 10.4 8.1 12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. 0.00 min

Lab File: BG022654.D

Acq: 27 Jun 2016 22:38

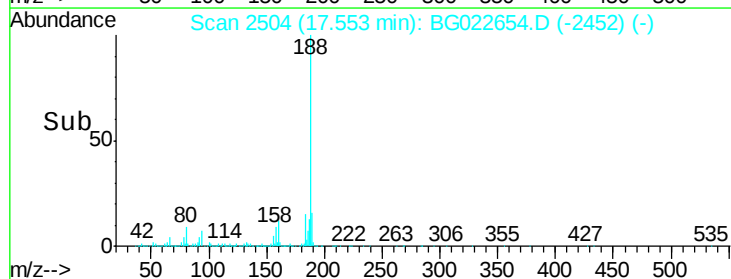
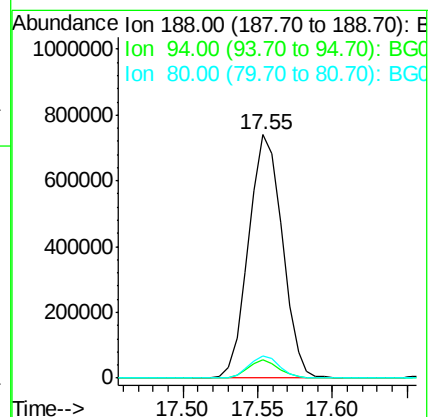
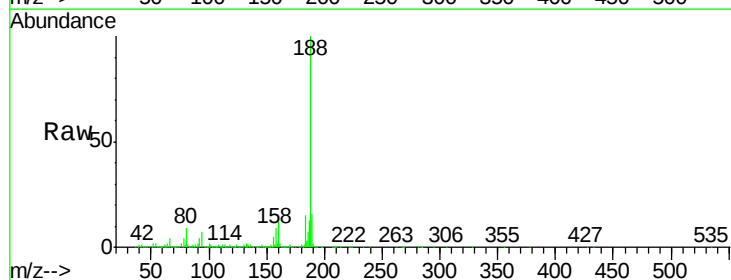
Tgt Ion:188 Resp: 1154663

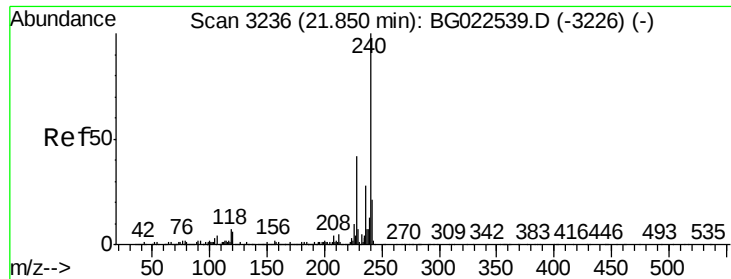
Ion Ratio Lower Upper

188 100

94 7.5 5.2 7.8

80 9.1 7.2 10.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3235

Delta R.T. 0.00 min

Lab File: BG022654.D

Acq: 27 Jun 2016 22:38

Instrument :

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LOCATION-5F-9-11

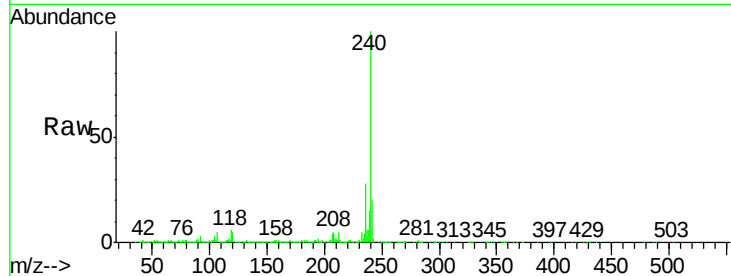
Tgt Ion:240 Resp: 1369854

Ion Ratio Lower Upper

240 100

120 5.5 4.1 6.1

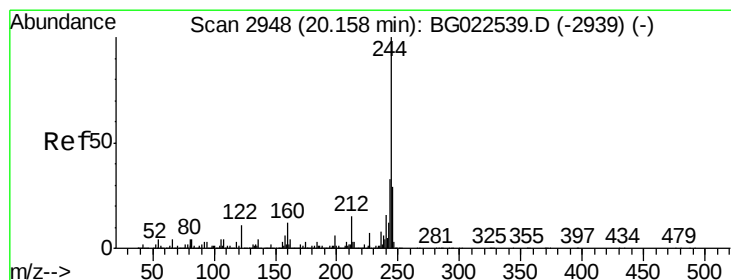
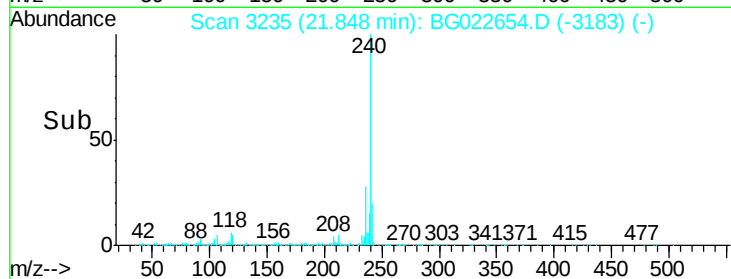
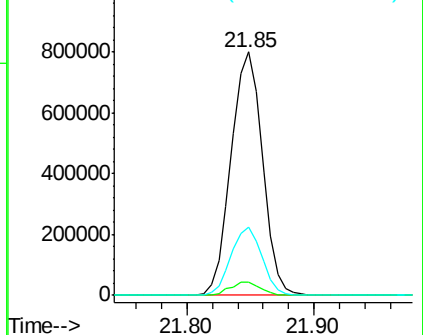
236 28.3 21.1 31.7



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: 32.74 ng

RT: 20.16 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG022654.D

Acq: 27 Jun 2016 22:38

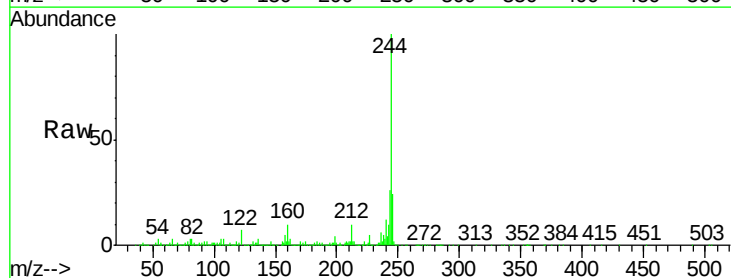
Tgt Ion:244 Resp: 1692676

Ion Ratio Lower Upper

244 100

212 10.5 10.8 16.2#

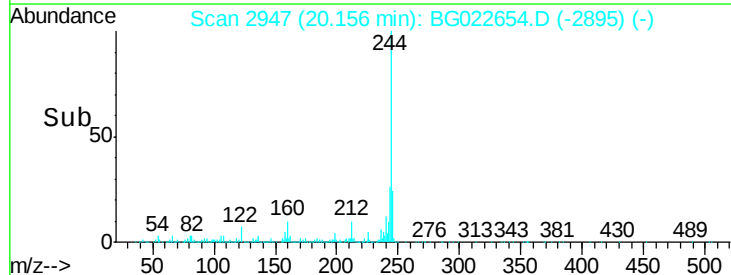
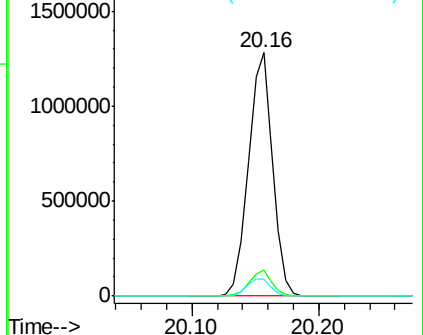
122 7.2 8.0 12.0#

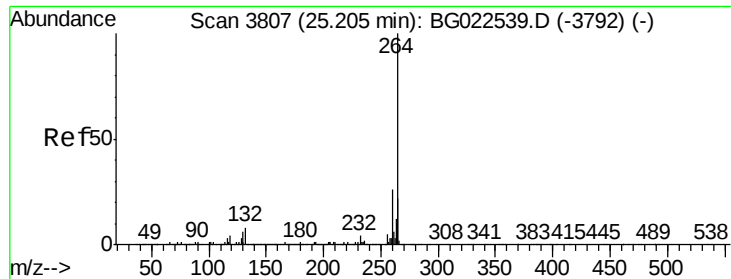


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3807
Delta R.T. 0.00 min
Lab File: BG022654.D
Acq: 27 Jun 2016 22:38

Instrument :
BNA_G
ClientSampleId :
LOCATION-5F-9-11

Tgt Ion: 264 Resp: 1463576

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	23.4	18.9	28.3

