

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070716\
 Data File : BG022885.D
 Acq On : 6 Jul 2016 20:45
 Operator : UM/SJ
 Sample : H3862-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-57-062916

Quant Time: Jul 07 02:31:59 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

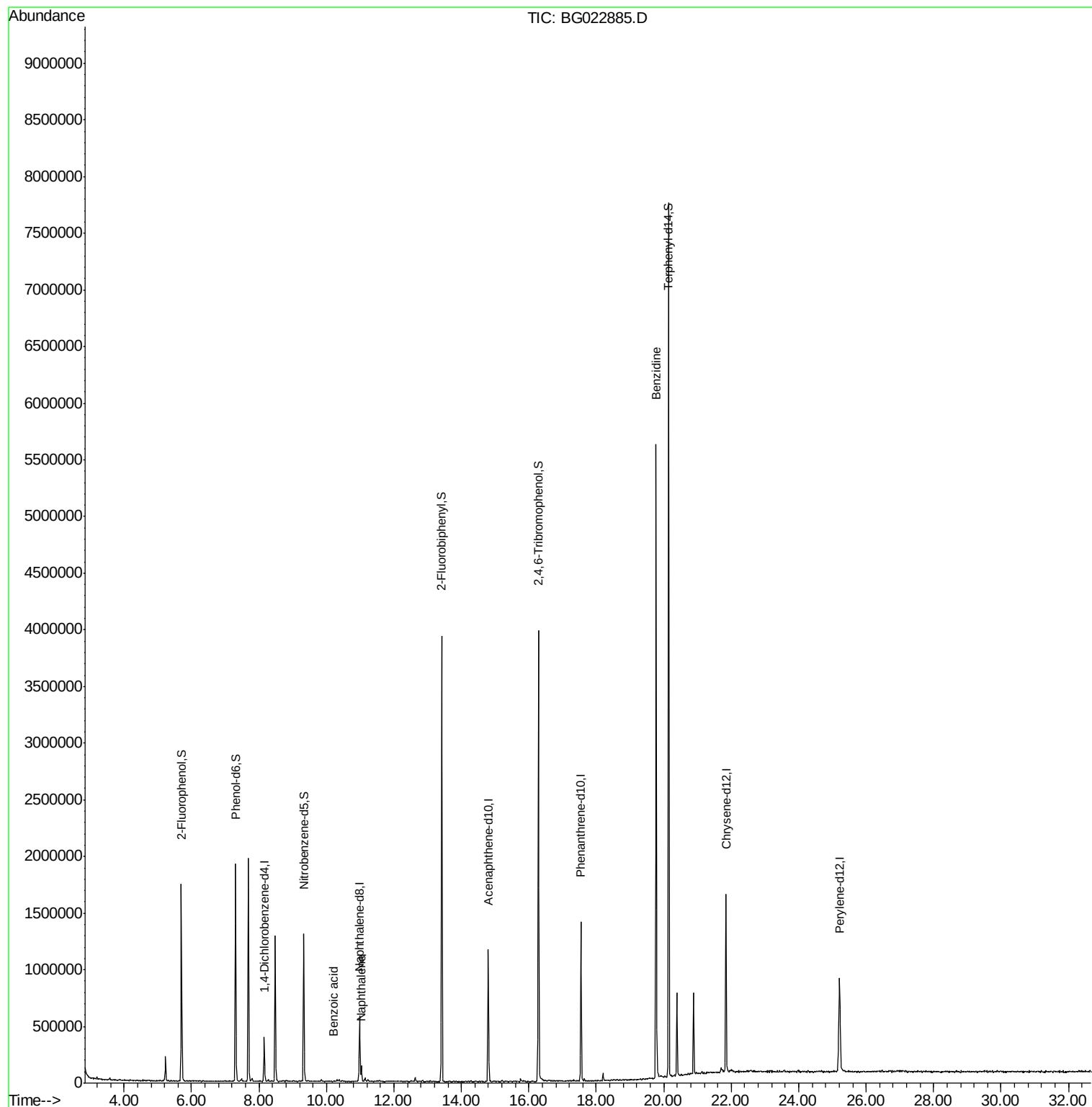
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	101524	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	464854	20.00	ng	-0.01
38) Acenaphthene-d10	14.79	164	371646	20.00	ng	0.00
63) Phenanthrene-d10	17.54	188	907687	20.00	ng	0.00
75) Chrysene-d12	21.84	240	1015706	20.00	ng	0.00
86) Perylene-d12	25.21	264	1036381	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	731351	115.54	ng	0.00
7) Phenol-d6	7.31	99	1087578	121.90	ng	0.00
23) Nitrobenzene-d5	9.32	82	847640	77.18	ng	-0.01
41) 2,4,6-Tribromophenol	16.29	330	759888	130.00	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1872364	79.90	ng	0.00
78) Terphenyl-d14	20.15	244	3020693	78.79	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.03	128	111773	4.78	ng	96
32) Benzoic acid	10.21	122	66	5.12	ng	# 86
76) Benzidine	19.78	184	2999628	277.39	ng	# 90

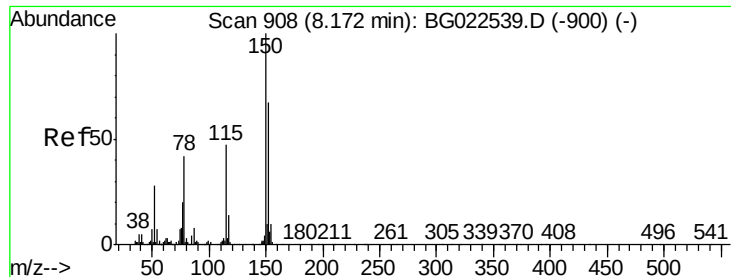
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 905

Delta R.T. -0.02 min

Lab File: BG022885.D

Acq: 6 Jul 2016 20:45

Instrument :

BNA_G

ClientSampleId :

HSR-WC-57-062916

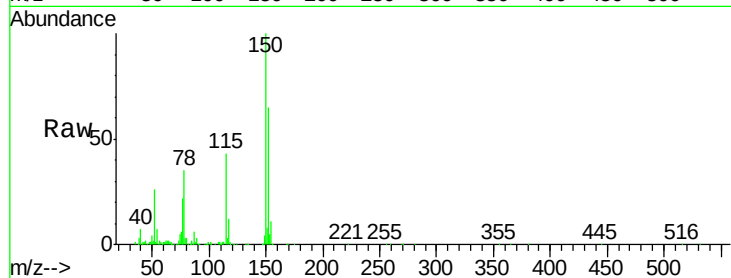
Tgt Ion:152 Resp: 101524

Ion Ratio Lower Upper

152 100

150 154.9 144.7 217.1

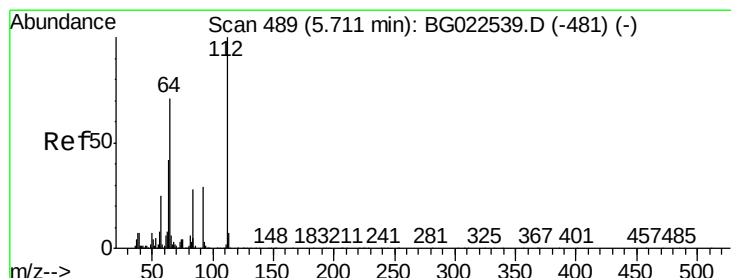
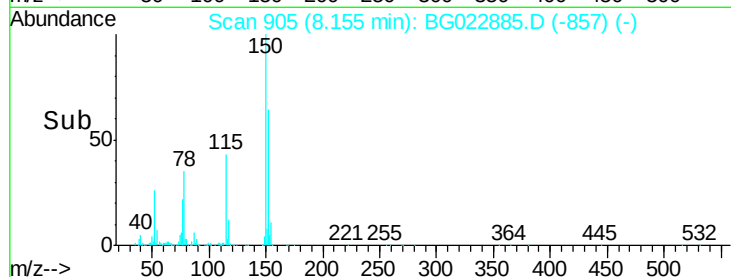
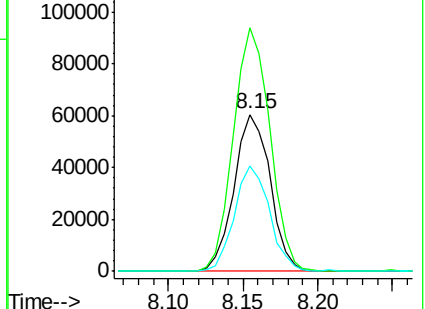
115 66.9 64.0 96.0



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: 115.54 ng

RT: 5.70 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG022885.D

Acq: 6 Jul 2016 20:45

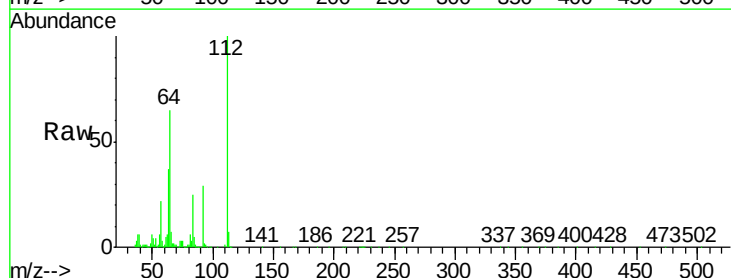
Tgt Ion:112 Resp: 731351

Ion Ratio Lower Upper

112 100

64 64.5 59.0 88.4

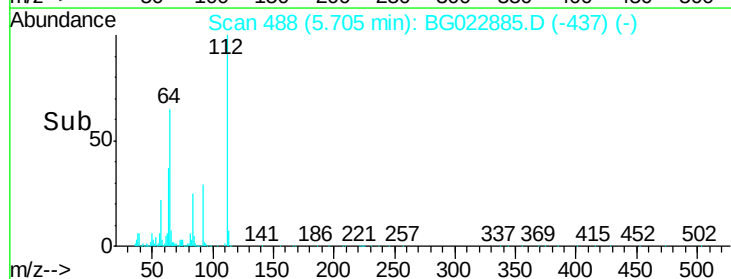
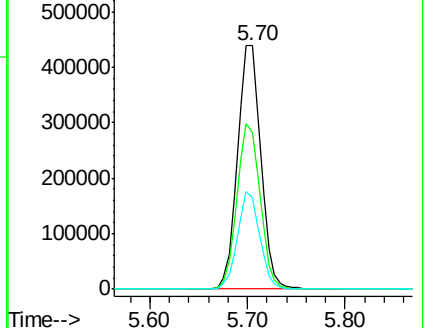
63 37.4 37.8 56.8#

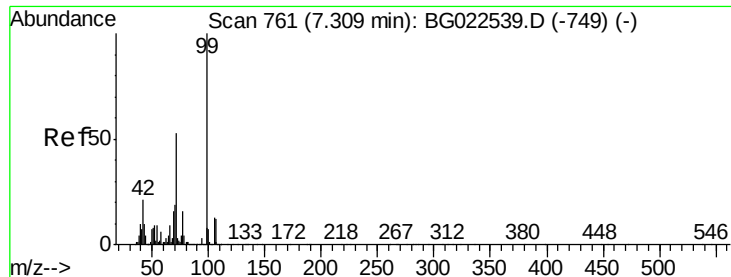


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 121.90 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.01 min

Lab File: BG022885.D

Acq: 6 Jul 2016 20:45

Instrument :

BNA_G

ClientSampleId :

HSR-WC-57-062916

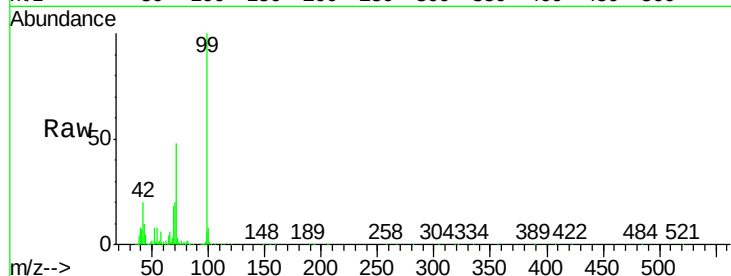
Tgt Ion: 99 Resp: 1087578

Ion Ratio Lower Upper

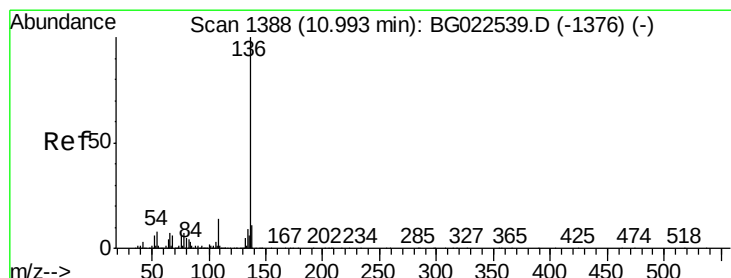
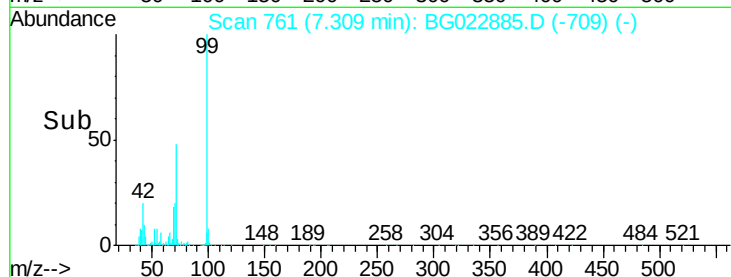
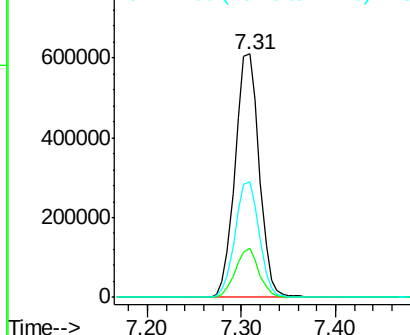
99 100

42 20.2 17.8 26.6

71 47.7 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: BG022885.D

Acq: 6 Jul 2016 20:45

Tgt Ion: 136 Resp: 464854

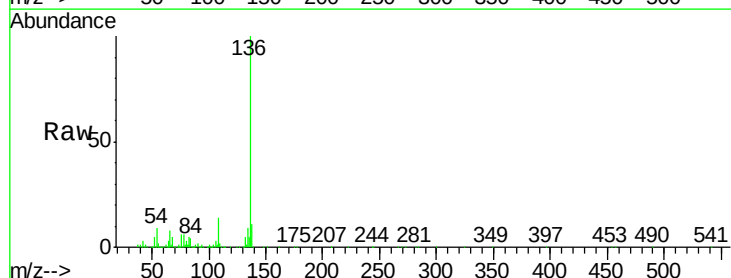
Ion Ratio Lower Upper

136 100

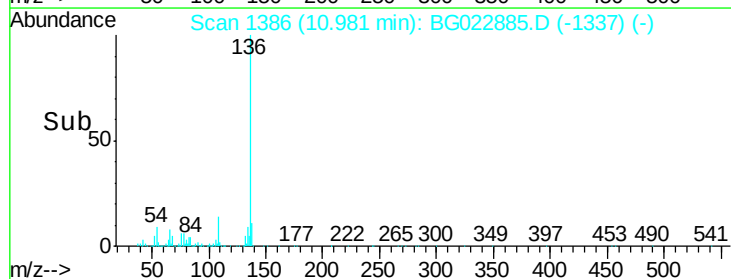
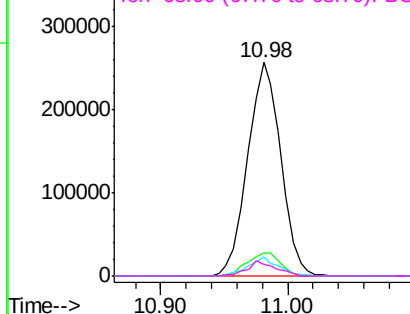
137 11.0 9.6 14.4

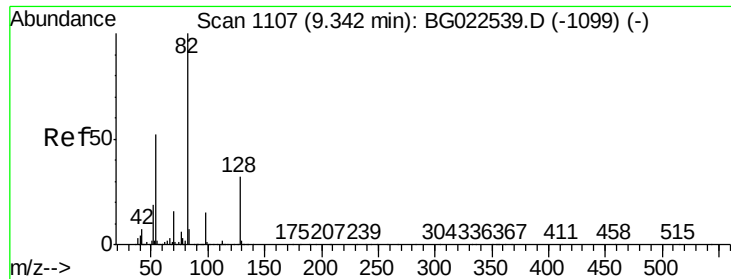
54 8.8 7.3 10.9

68 5.2 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

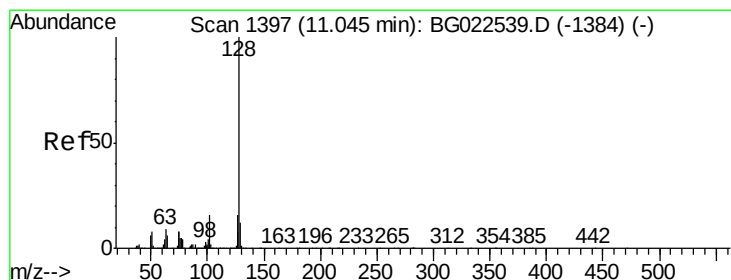
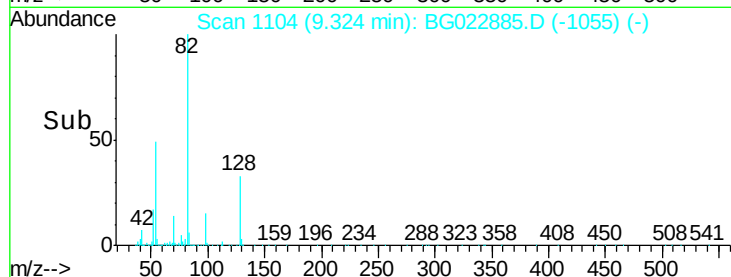
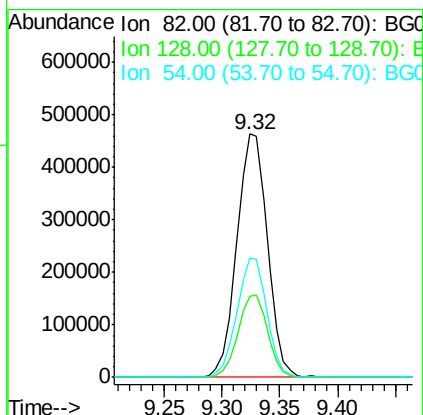
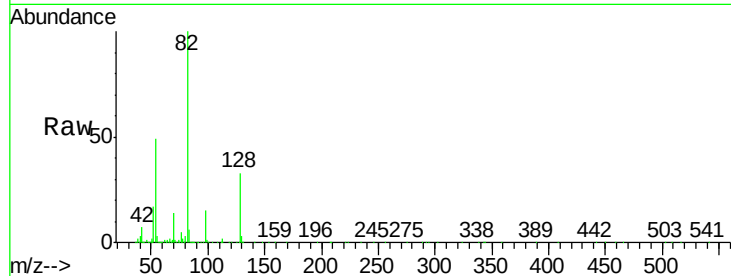




#23
Nitrobenzene-d5
Concen: 77.18 ng
RT: 9.32 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BG022885.D
Acq: 6 Jul 2016 20:45

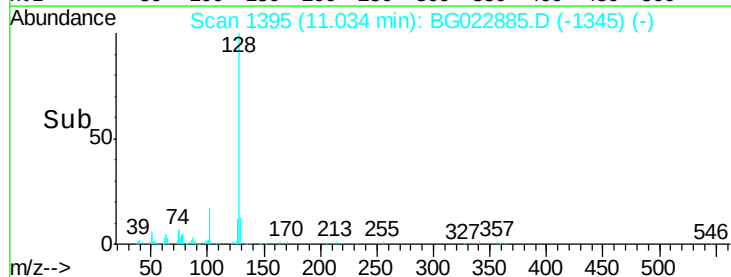
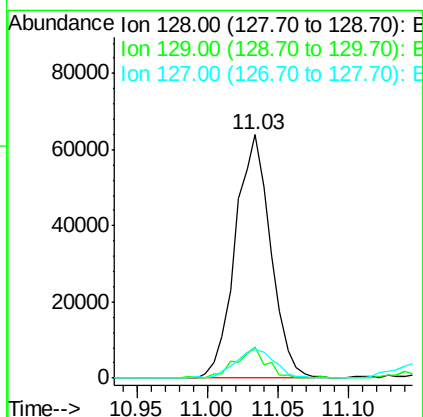
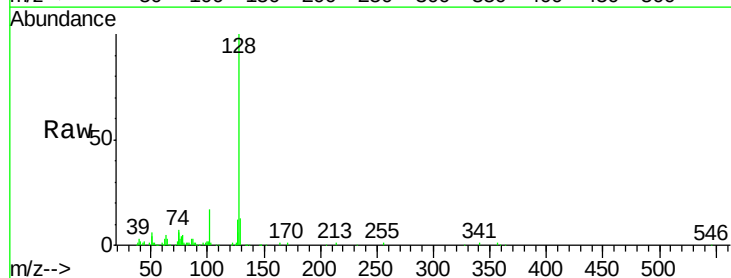
Instrument :
BNA_G
ClientSampleId :
HSR-WC-57-062916

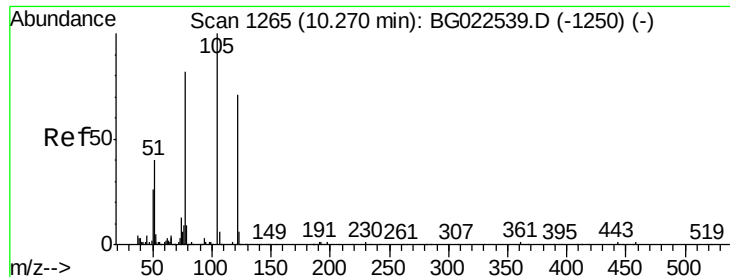
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.3	24.4	36.6
54	48.8	41.4	62.0



#31
Naphthalene
Concen: 4.78 ng
RT: 11.03 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BG022885.D
Acq: 6 Jul 2016 20:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.4	14.0
127	11.9	11.3	16.9





#32

Benzoic acid

Concen: 5.12 ng

RT: 10.21 min Scan# 1254

Delta R.T. 0.01 min

Lab File: BG022885.D

Acq: 6 Jul 2016 20:45

Instrument :

BNA_G

ClientSampleId :

HSR-WC-57-062916

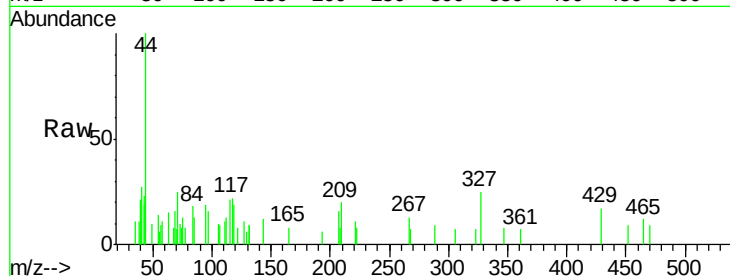
Tgt Ion:122 Resp: 66

Ion Ratio Lower Upper

122 100

105 126.7 117.2 157.2

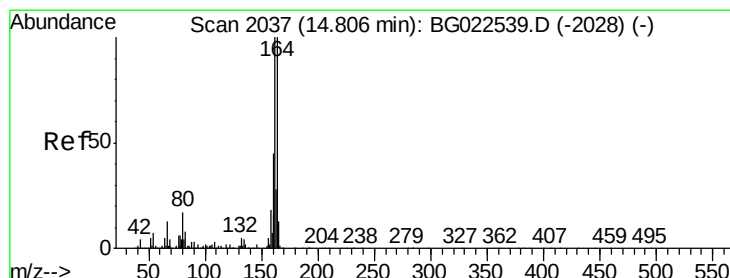
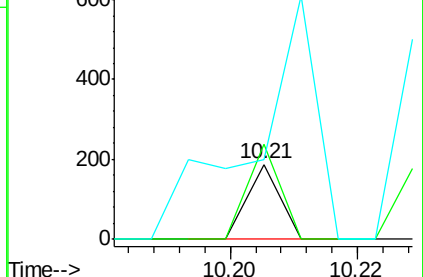
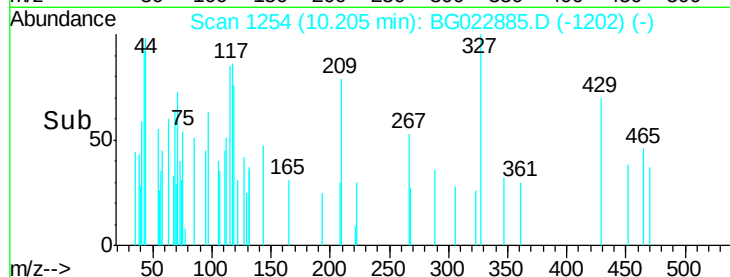
77 106.4 109.2 149.2#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BG022885.D

Acq: 6 Jul 2016 20:45

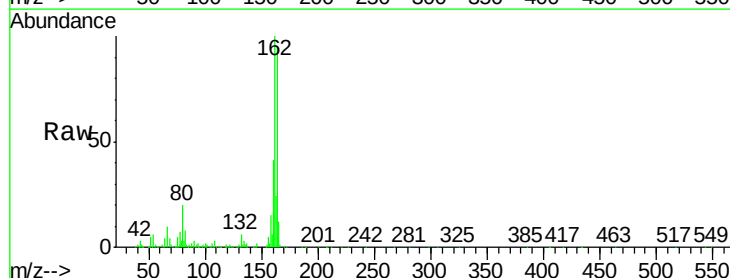
Tgt Ion:164 Resp: 371646

Ion Ratio Lower Upper

164 100

162 105.3 87.7 131.5

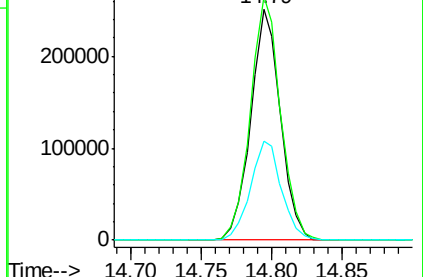
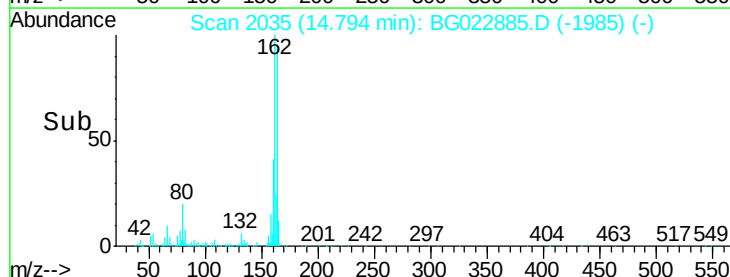
160 42.8 37.2 55.8

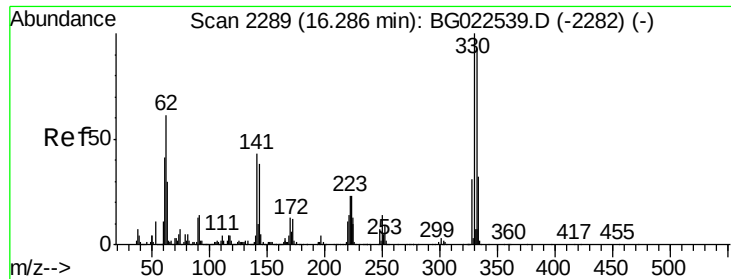


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 130.00 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BG022885.D

Acq: 6 Jul 2016 20:45

Instrument :

BNA_G

ClientSampleId :

HSR-WC-57-062916

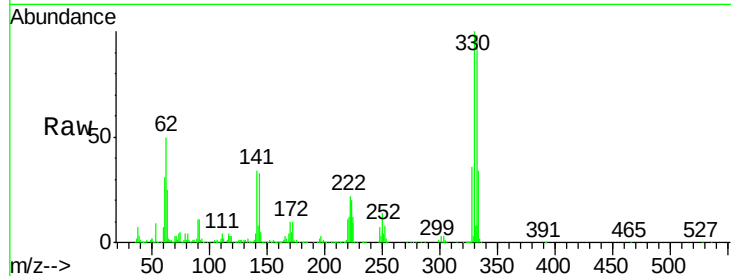
Tgt Ion:330 Resp: 759888

Ion Ratio Lower Upper

330 100

332 99.9 77.4 116.2

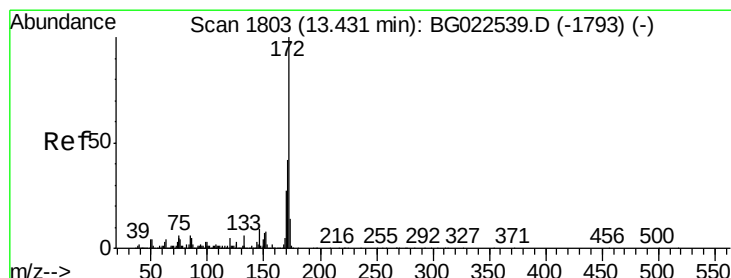
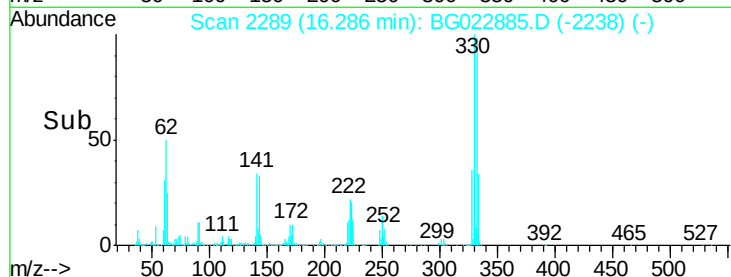
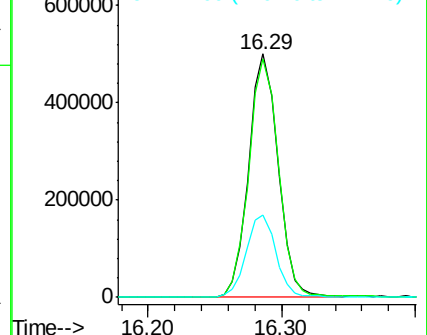
141 34.5 31.7 47.5



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: 79.90 ng

RT: 13.42 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BG022885.D

Acq: 6 Jul 2016 20:45

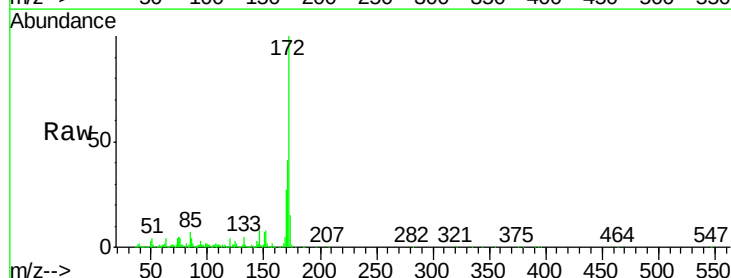
Tgt Ion:172 Resp: 1872364

Ion Ratio Lower Upper

172 100

171 40.8 31.6 47.4

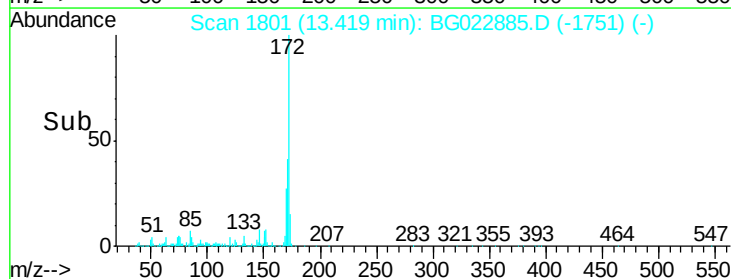
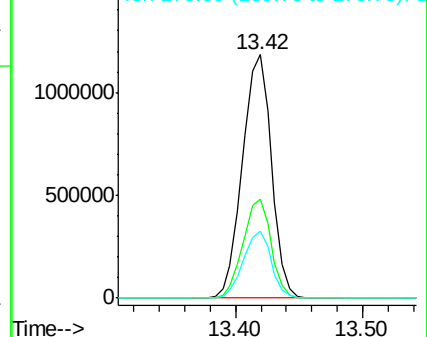
170 27.5 21.3 31.9

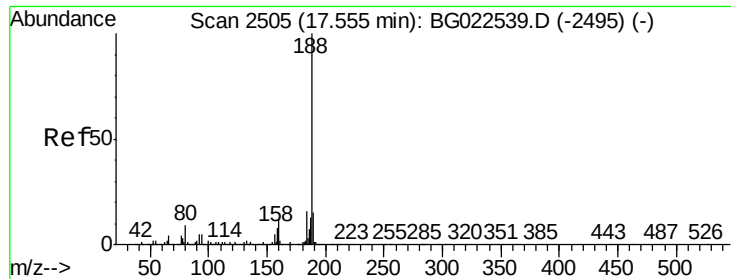


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

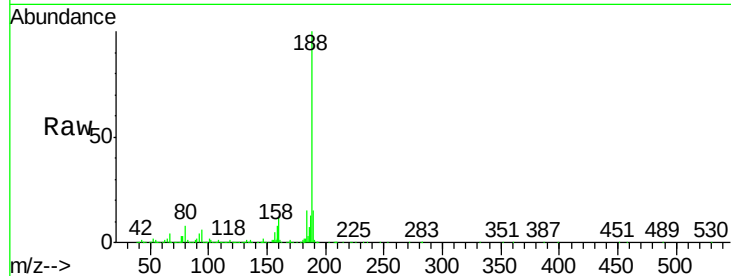




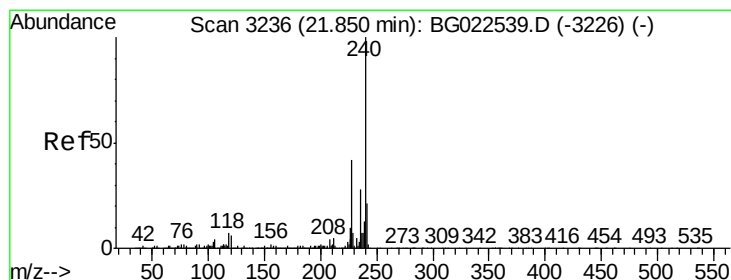
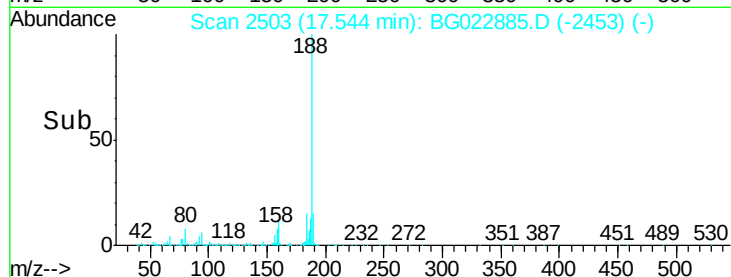
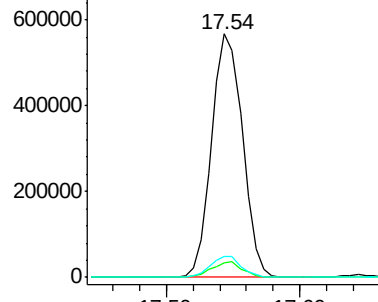
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.54 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BG022885.D
Acq: 6 Jul 2016 20:45

Instrument :
BNA_G
ClientSampleId :
HSR-WC-57-062916

Tgt Ion:188 Resp: 907687
Ion Ratio Lower Upper
188 100
94 6.2 5.2 7.8
80 8.3 7.2 10.8

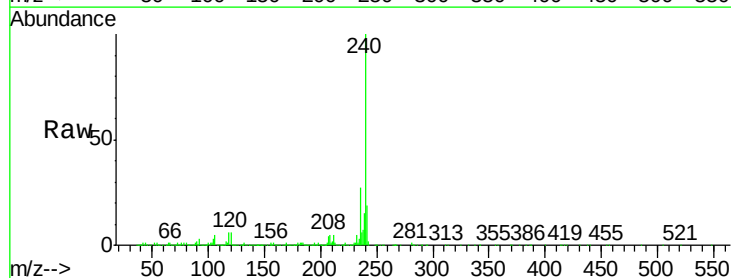


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

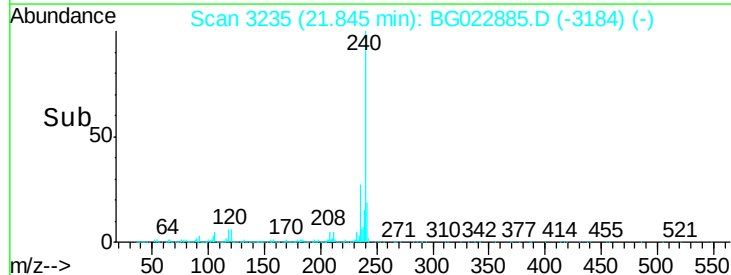
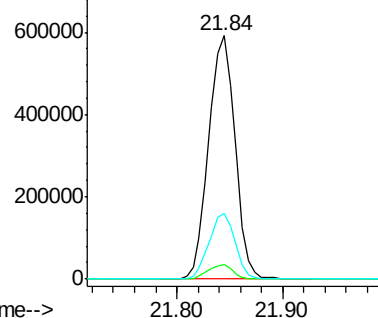


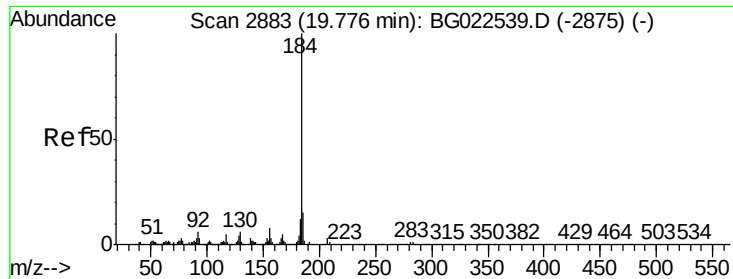
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.84 min Scan# 3235
Delta R.T. -0.00 min
Lab File: BG022885.D
Acq: 6 Jul 2016 20:45

Tgt Ion:240 Resp: 1015706
Ion Ratio Lower Upper
240 100
120 5.9 4.1 6.1
236 27.1 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





#76

Benzidine

Concen: 277.39 ng

RT: 19.78 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG022885.D

Acq: 6 Jul 2016 20:45

Instrument :

BNA_G

ClientSampleId :

HSR-WC-57-062916

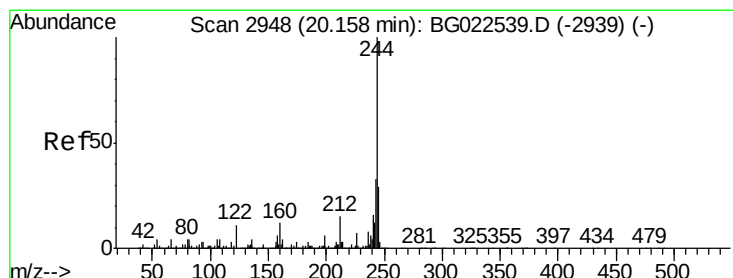
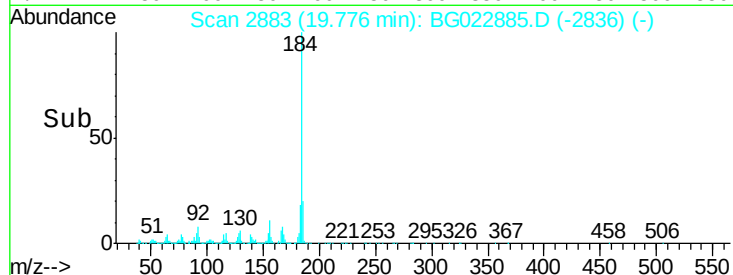
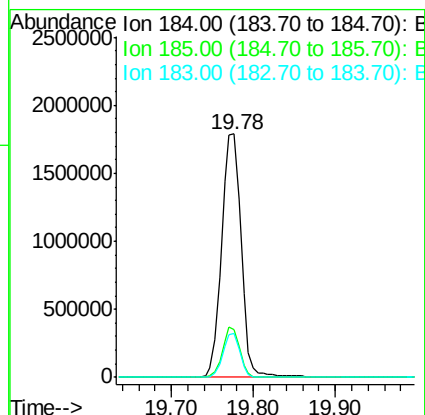
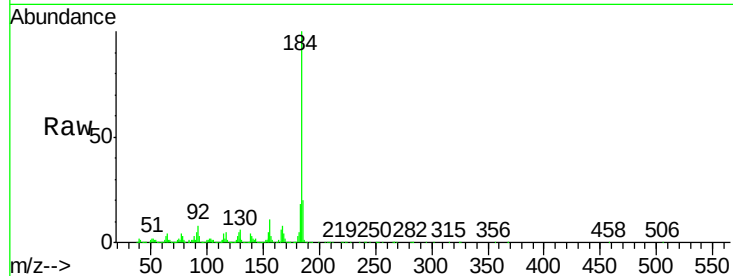
Tgt Ion:184 Resp: 2999628

Ion Ratio Lower Upper

184 100

185 19.8 12.6 19.0#

183 18.0 10.7 16.1#



#78

Terphenyl-d14

Concen: 78.79 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.01 min

Lab File: BG022885.D

Acq: 6 Jul 2016 20:45

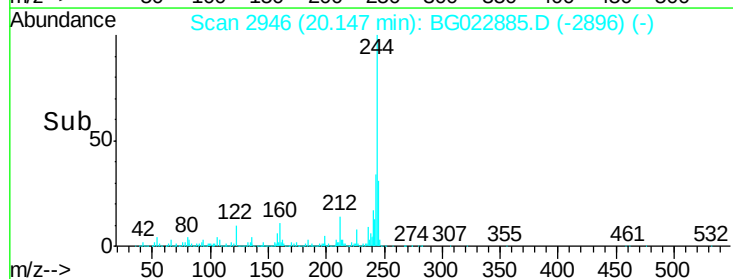
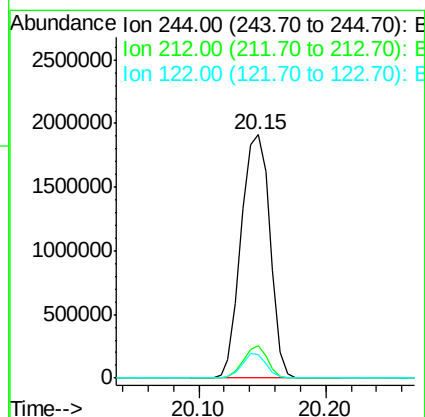
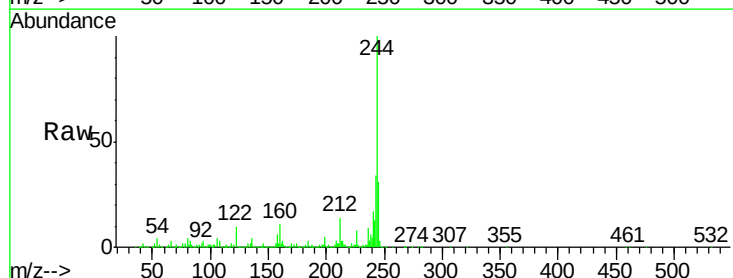
Tgt Ion:244 Resp: 3020693

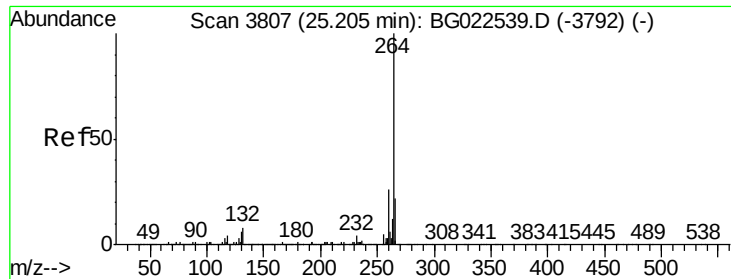
Ion Ratio Lower Upper

244 100

212 13.6 10.8 16.2

122 9.8 8.0 12.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3808
Delta R.T. 0.01 min
Lab File: BG022885.D
Acq: 6 Jul 2016 20:45

Instrument :
BNA_G
ClientSampleId :
HSR-WC-57-062916

Tgt Ion: 264 Resp: 1036381

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.4	27.6
265	22.5	18.9	28.3

