

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062816\
 Data File : BG022670.D
 Acq On : 28 Jun 2016 11:05
 Operator : UM/SJ
 Sample : H3694-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-54-062016

Quant Time: Jun 28 13:56:40 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

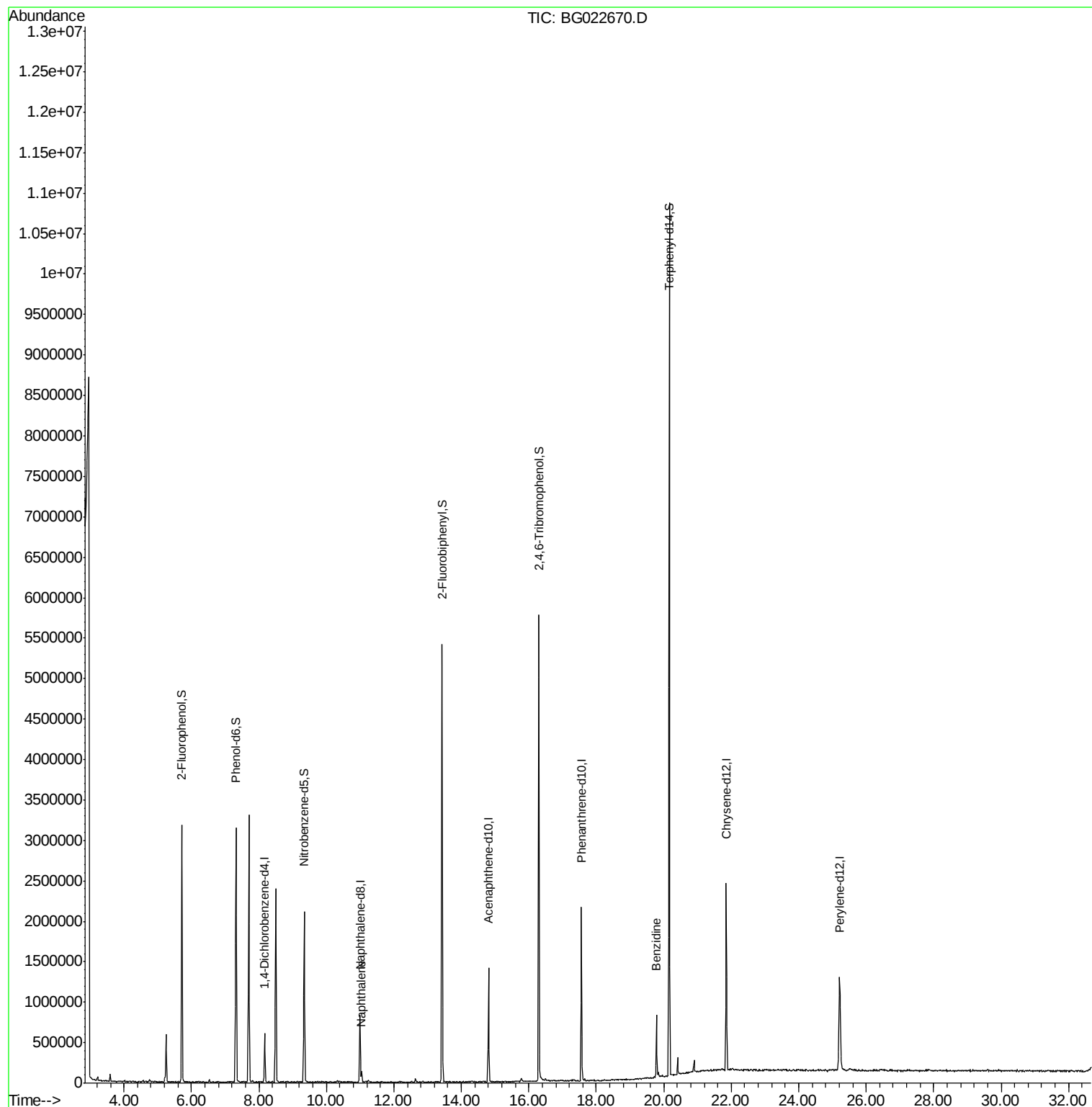
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	156292	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	663131	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	495918	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	1250394	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1401305	20.00	ng	0.00
86) Perylene-d12	25.21	264	1391980	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	1261045	129.41	ng	0.00
7) Phenol-d6	7.32	99	1745569	127.09	ng	0.01
23) Nitrobenzene-d5	9.34	82	1389054	88.66	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	1070898	137.29	ng	0.00
44) 2-Fluorobiphenyl	13.43	172	2549414	81.53	ng	0.00
78) Terphenyl-d14	20.16	244	3580868	67.70	ng	0.00
Target Compounds						
31) Naphthalene	11.04	128	102322	3.07	ng	Qvalue # 96
76) Benzidine	19.78	184	470936	31.57	ng	97

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

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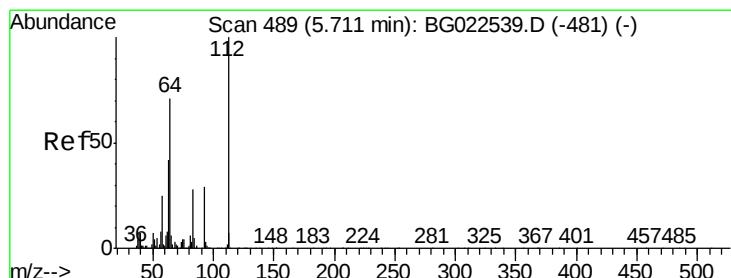
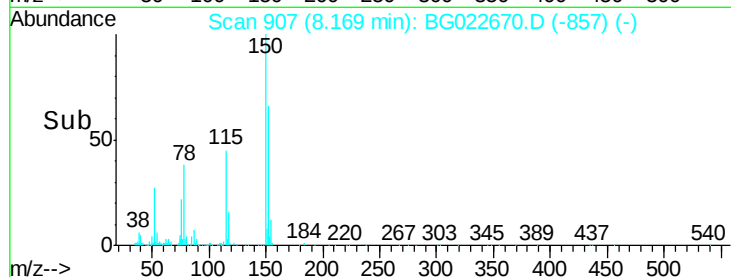
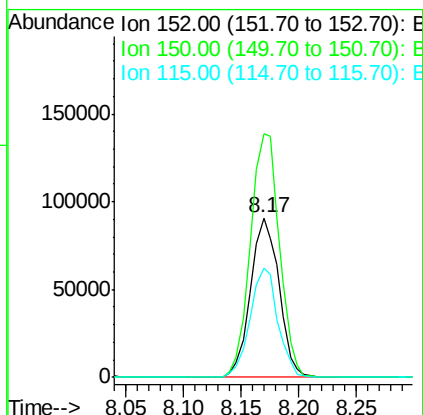
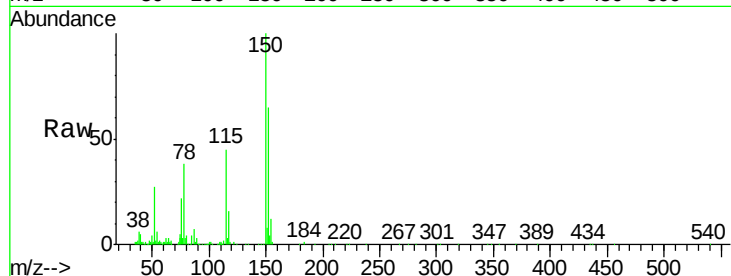


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 907
Delta R.T. -0.00 min
Lab File: BG022670.D
Acq: 28 Jun 2016 11:05

Instrument :
BNA_G
ClientSampleId :
HSR-WC-54-062016

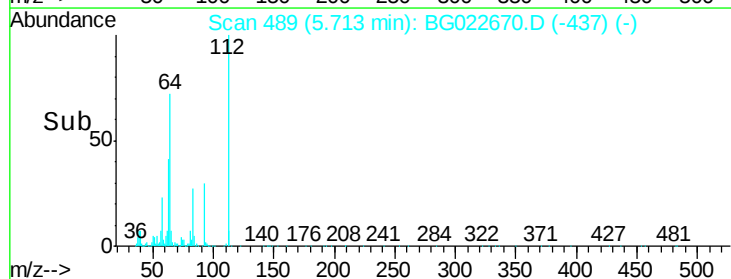
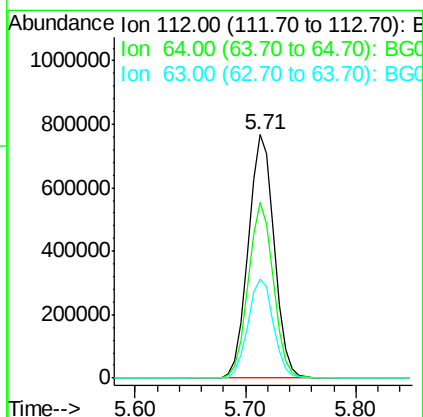
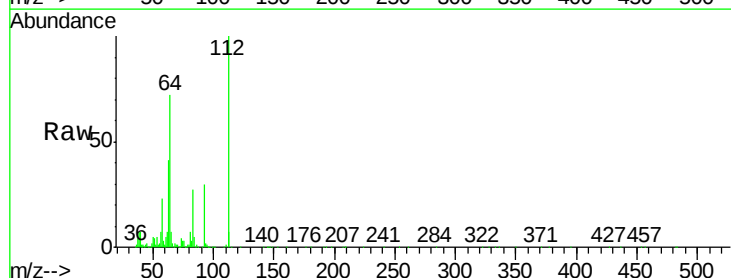
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	144.7	217.1
115	68.3	64.0	96.0



#5

2-Fluorophenol
Concen: 129.41 ng
RT: 5.71 min Scan# 489
Delta R.T. 0.01 min
Lab File: BG022670.D
Acq: 28 Jun 2016 11:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.1	59.0	88.4
63	40.8	37.8	56.8





#7

Phenol-d6

Concen: 127.09 ng

RT: 7.32 min Scan# 762

Delta R.T. 0.01 min

Lab File: BG022670.D

Acq: 28 Jun 2016 11:05

Instrument :

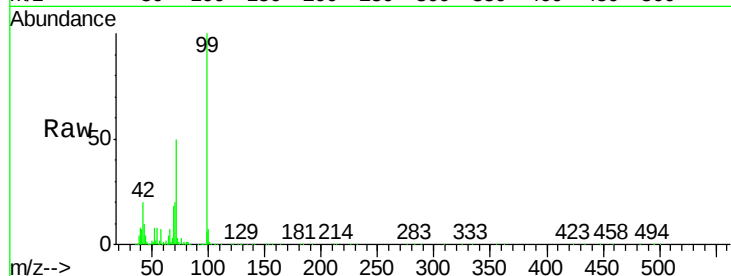
BNA_G

ClientSampleId :

HSR-WC-54-062016

Tot Ion: 99 Resp: 1745569

Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.8	26.6
71	50.2	41.5	62.3



Abundance

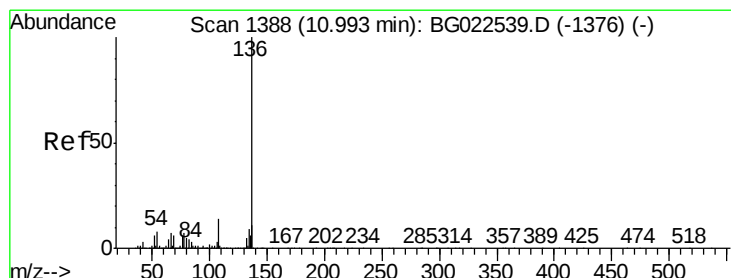
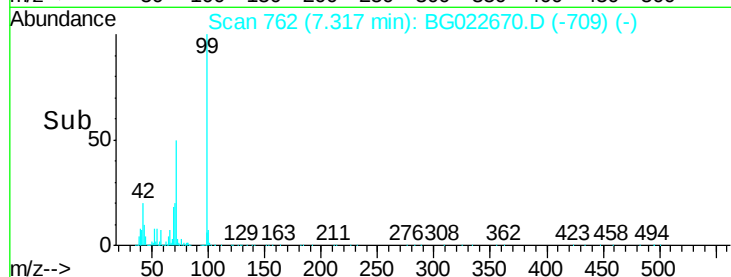
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

7.32

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.00 min Scan# 1388

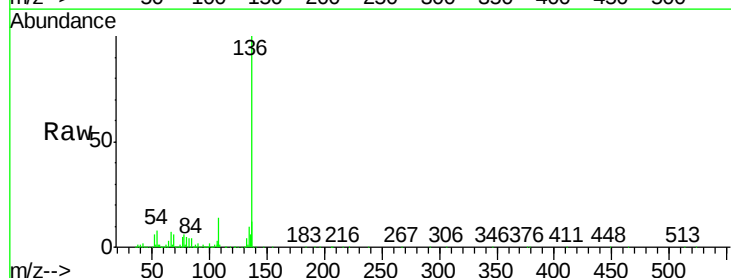
Delta R.T. 0.00 min

Lab File: BG022670.D

Acq: 28 Jun 2016 11:05

Tgt Ion:136 Resp: 663131

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	8.2	7.3	10.9
68	6.3	5.3	7.9



Abundance

Ion 136.00 (135.70 to 136.70): BGC

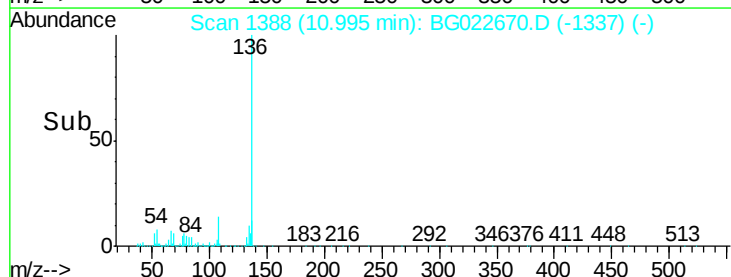
Ion 137.00 (136.70 to 137.70): BGC

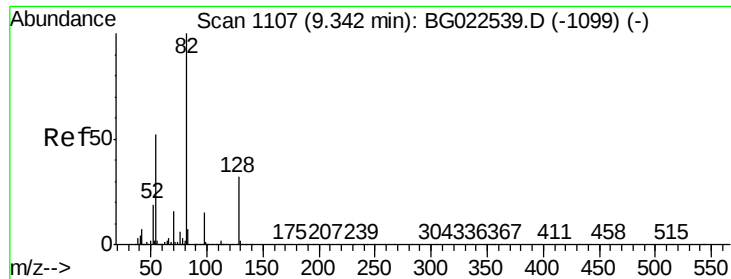
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

11.00

Time-->

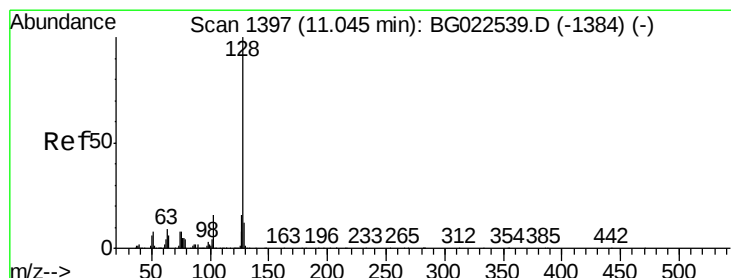
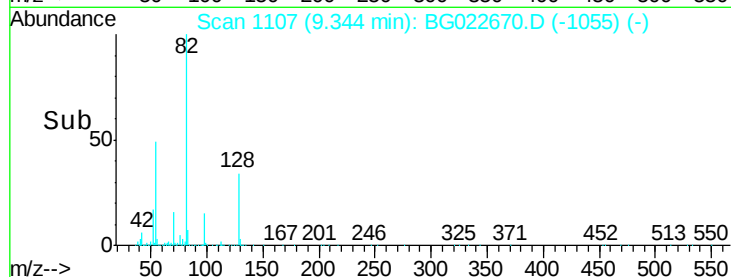
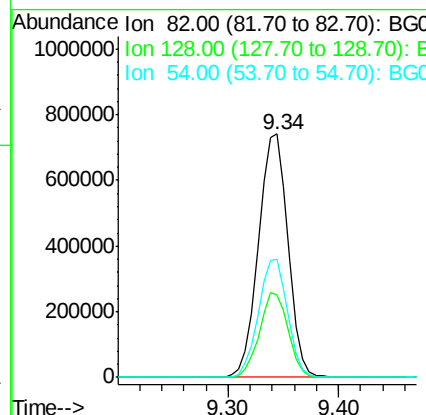
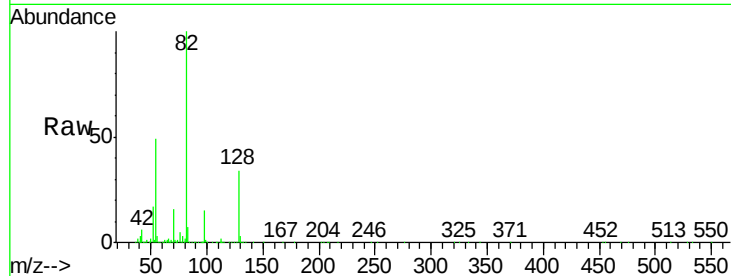




#23
 Nitrobenzene-d5
 Concen: 88.66 ng
 RT: 9.34 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: BG022670.D
 Acq: 28 Jun 2016 11:05

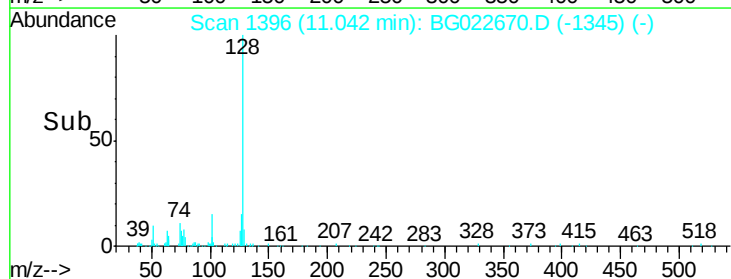
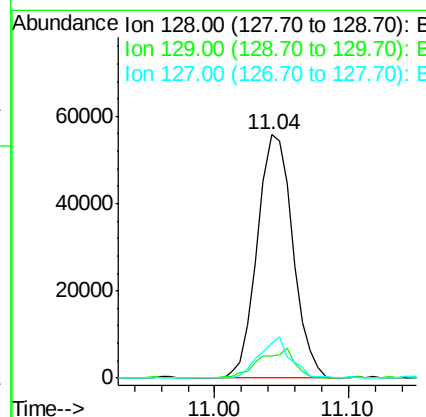
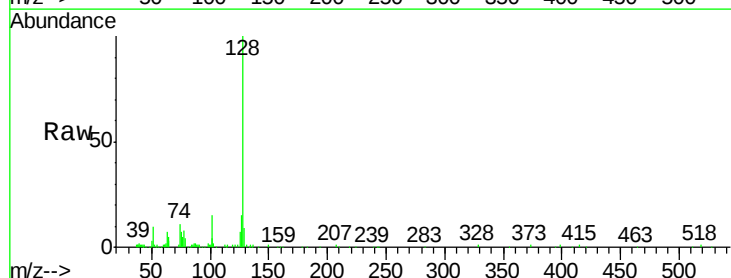
Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-54-062016

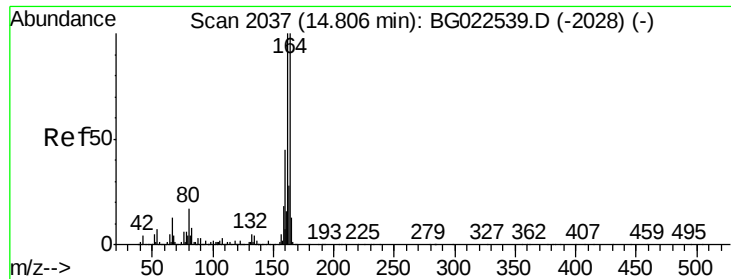
Tot Ion: 82 Resp: 1389054
 Ion Ratio Lower Upper
 82 100
 128 33.9 24.4 36.6
 54 48.6 41.4 62.0



#31
 Naphthalene
 Concen: 3.07 ng
 RT: 11.04 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: BG022670.D
 Acq: 28 Jun 2016 11:05

Tgt Ion: 128 Resp: 102322
 Ion Ratio Lower Upper
 128 100
 129 9.1 9.4 14.0#
 127 14.6 11.3 16.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BG022670.D

Acq: 28 Jun 2016 11:05

Instrument :

BNA_G

ClientSampleId :

HSR-WC-54-062016

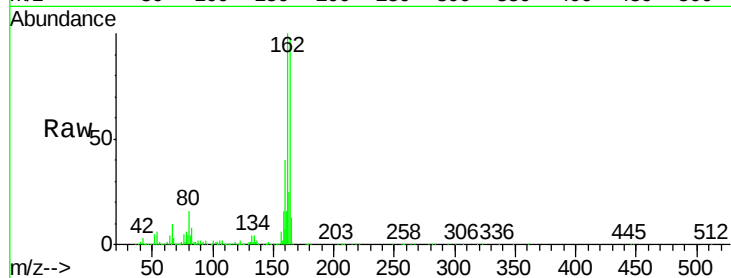
Tot Ion:164 Resp: 495918

Ion Ratio Lower Upper

164 100

162 102.6 87.7 131.5

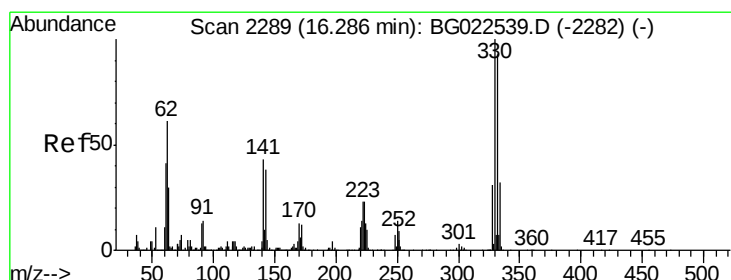
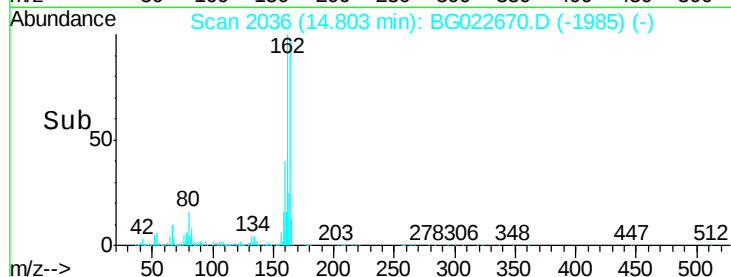
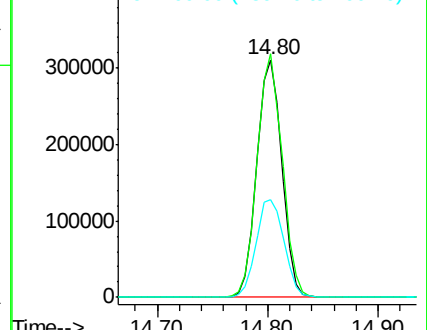
160 41.2 37.2 55.8



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: 137.29 ng

RT: 16.29 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BG022670.D

Acq: 28 Jun 2016 11:05

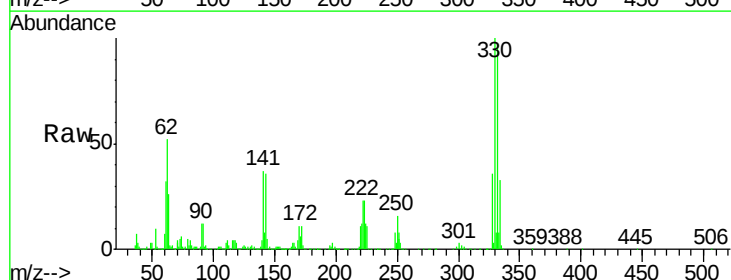
Tgt Ion:330 Resp: 1070898

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.2

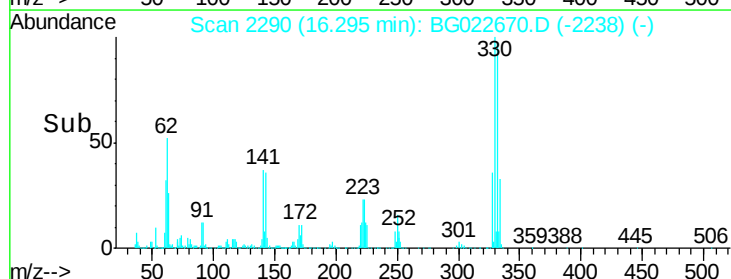
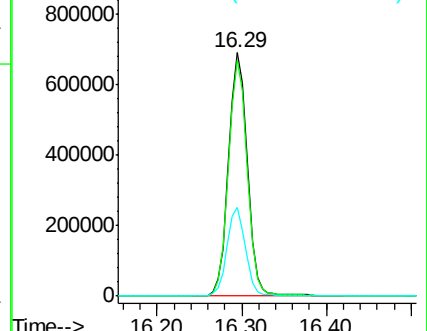
141 35.7 31.7 47.5

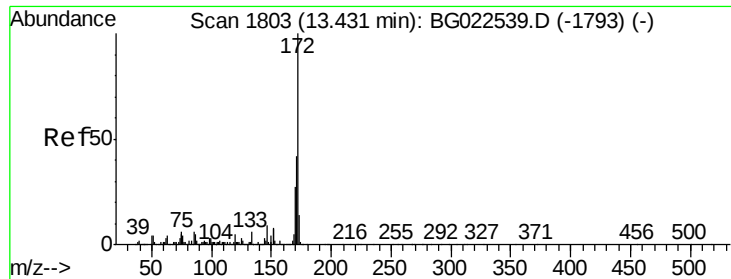


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

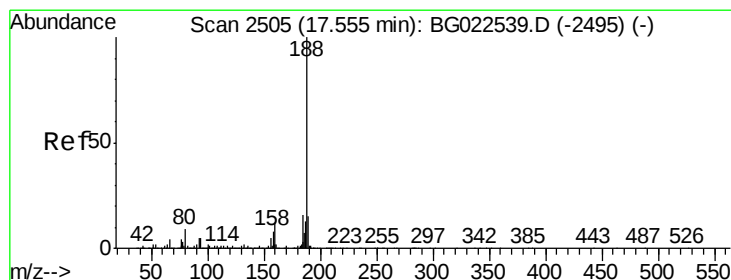
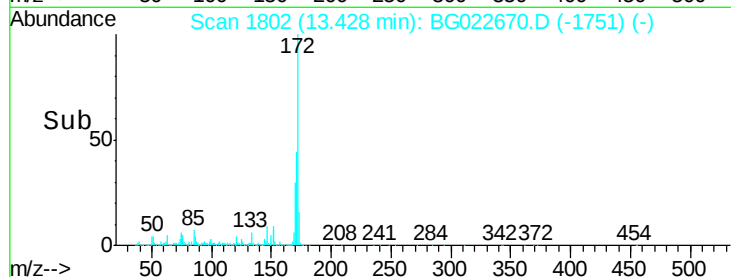
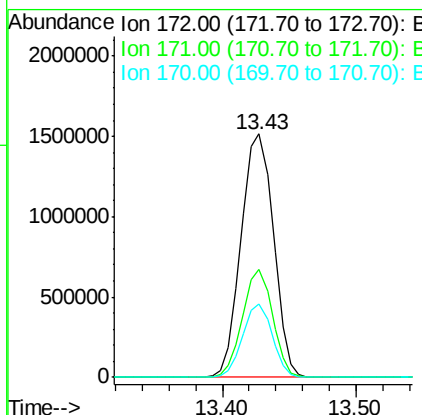
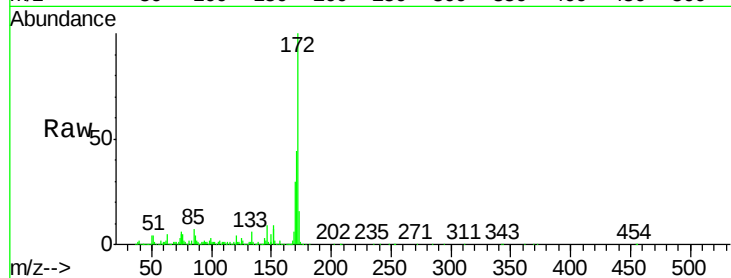




#44
2-Fluorobiphenyl
Concen: 81.53 ng
RT: 13.43 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BG022670.D
Acq: 28 Jun 2016 11:05

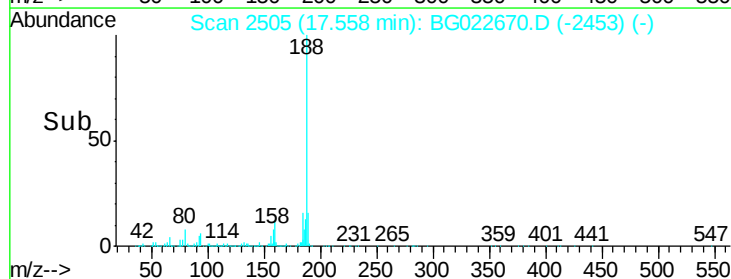
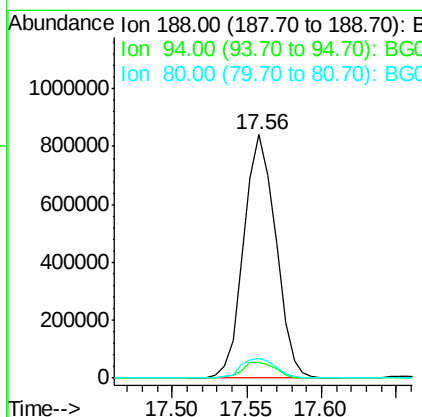
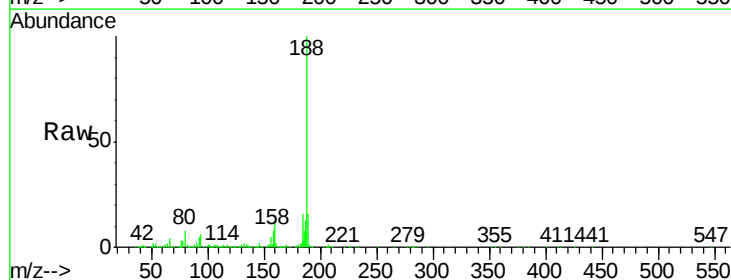
Instrument :
BNA_G
ClientSampleId :
HSR-WC-54-062016

Tot Ion:172 Resp: 2549414
Ion Ratio Lower Upper
172 100
171 44.1 31.6 47.4
170 30.3 21.3 31.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. 0.01 min
Lab File: BG022670.D
Acq: 28 Jun 2016 11:05

Tgt Ion:188 Resp: 1250394
Ion Ratio Lower Upper
188 100
94 6.4 5.2 7.8
80 8.2 7.2 10.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.01 min

Lab File: BG022670.D

Acq: 28 Jun 2016 11:05

Instrument :

BNA_G

ClientSampleId :

HSR-WC-54-062016

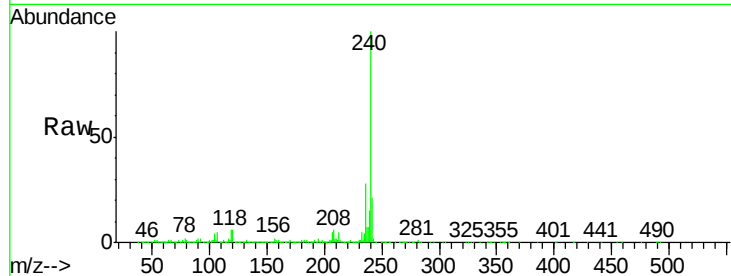
Tot Ion:240 Resp: 1401305

Ion Ratio Lower Upper

240 100

120 6.2 4.1 6.1#

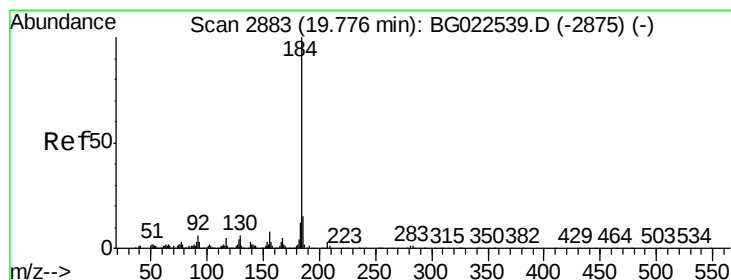
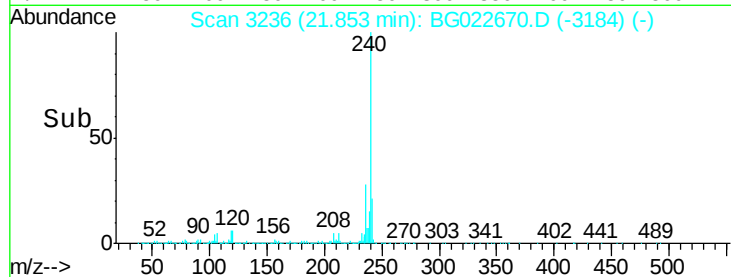
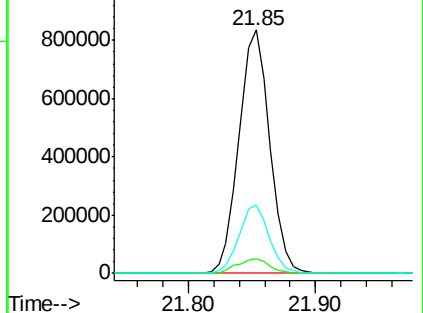
236 28.1 21.1 31.7



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: 31.57 ng

RT: 19.78 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BG022670.D

Acq: 28 Jun 2016 11:05

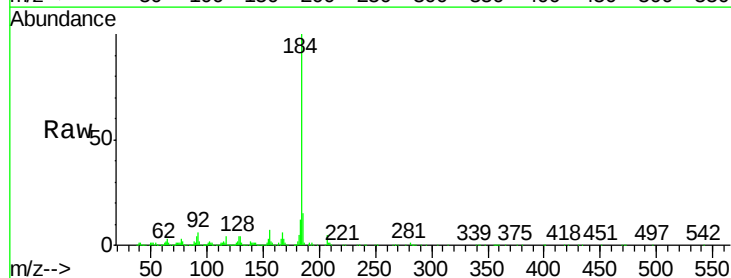
Tgt Ion:184 Resp: 470936

Ion Ratio Lower Upper

184 100

185 15.3 12.6 19.0

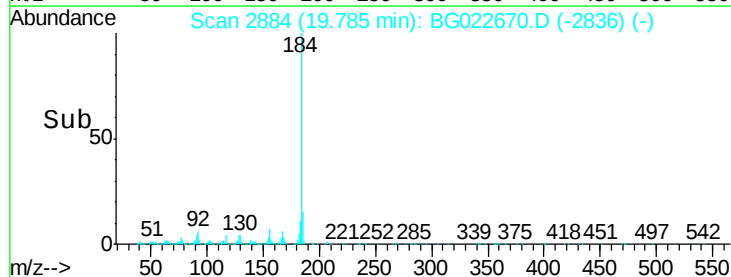
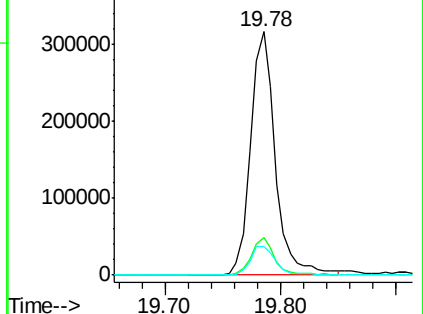
183 11.6 10.7 16.1

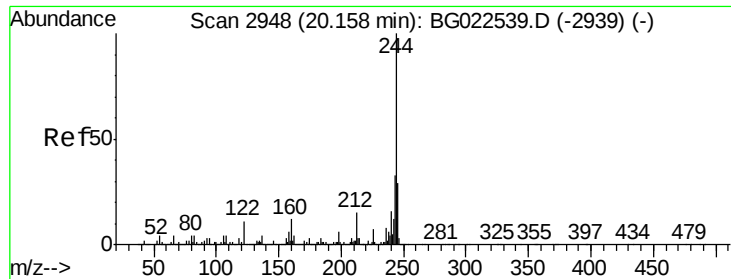


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 67.70 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BG022670.D

Acq: 28 Jun 2016 11:05

Instrument :

BNA_G

ClientSampleId :

HSR-WC-54-062016

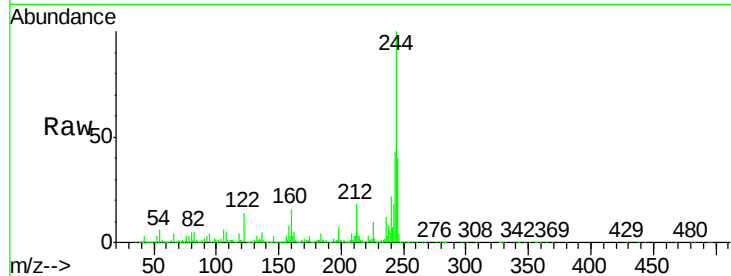
Tot Ion:244 Resp: 3580868

Ion Ratio Lower Upper

244 100

212 18.4 10.8 16.2#

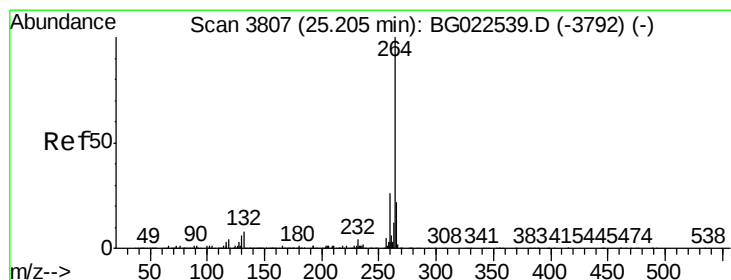
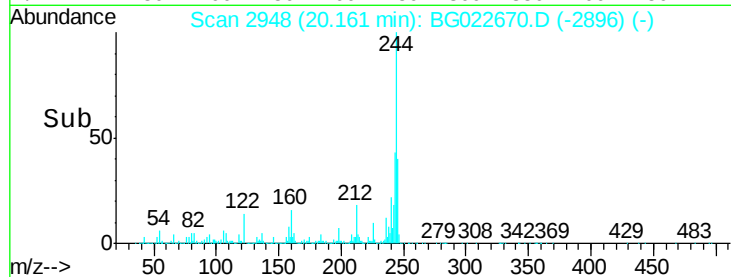
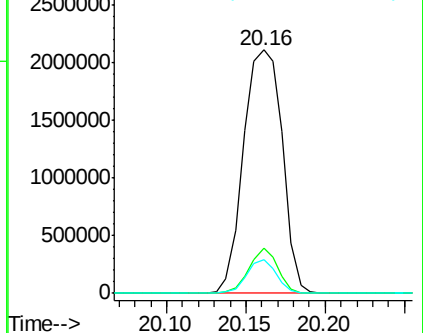
122 13.7 8.0 12.0#



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# 3808

Delta R.T. 0.01 min

Lab File: BG022670.D

Acq: 28 Jun 2016 11:05

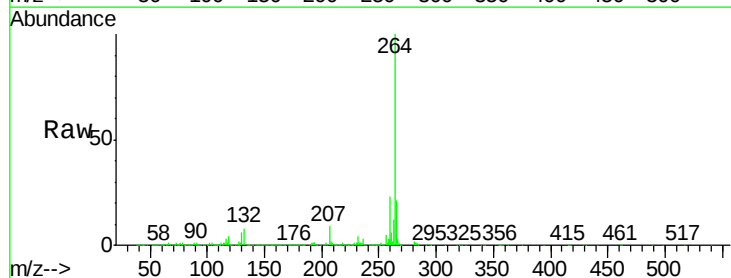
Tgt Ion:264 Resp: 1391980

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

265 21.5 18.9 28.3



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

