

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071416\
 Data File : BG023108.D
 Acq On : 14 Jul 2016 19:34
 Operator : UM/SJ
 Sample : H4014-01DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SYSDIS-071216DL

Quant Time: Jul 15 00:51:39 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

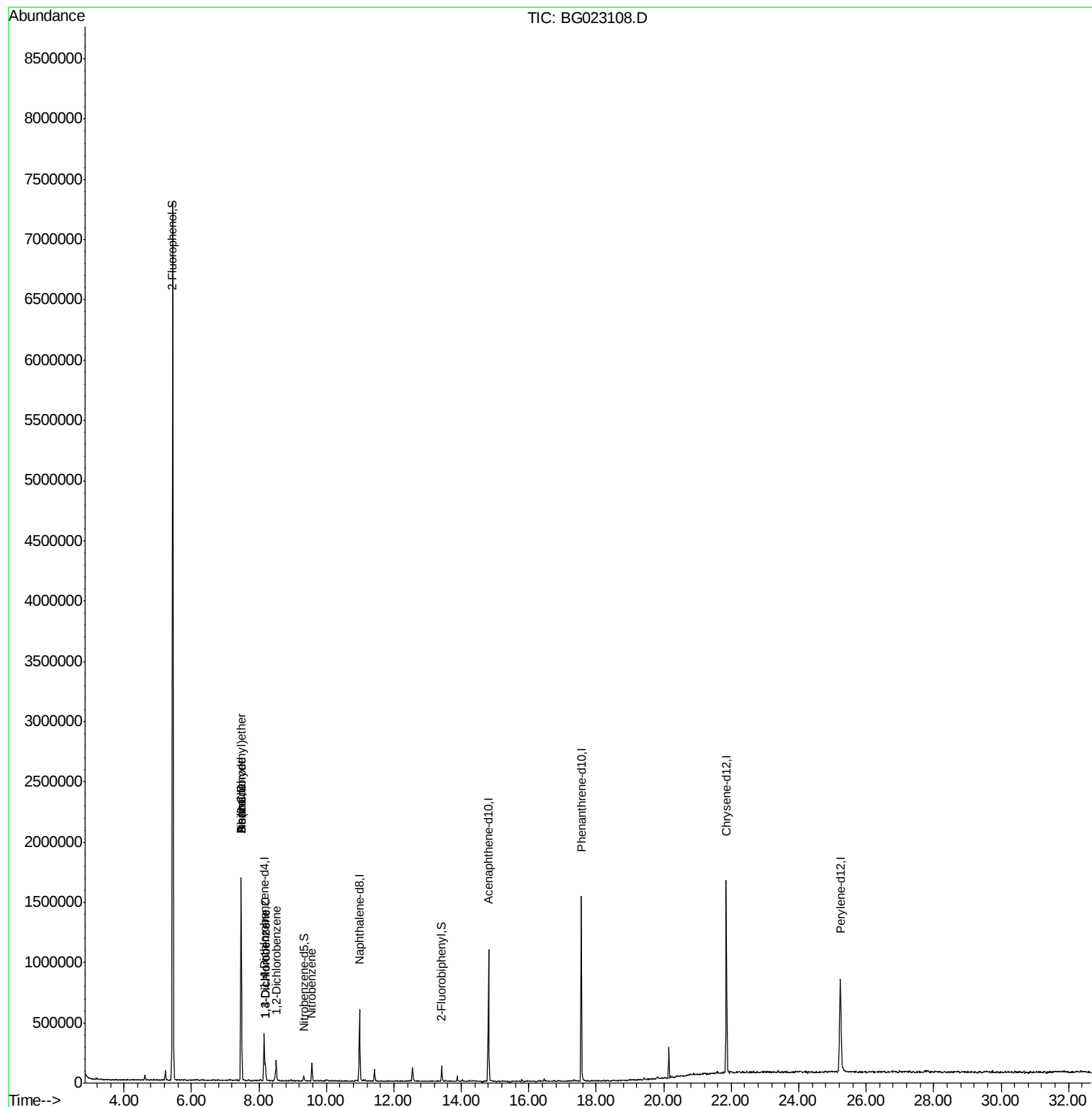
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	101558	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	473782	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	379607	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	924531	20.00	ng	0.00
75) Chrysene-d12	21.85	240	994319	20.00	ng	0.00
86) Perylene-d12	25.23	264	986650	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	3093584	498.20	ng	-0.25
7) Phenol-d6	7.31	99	1775	0.18	ng	0.00
23) Nitrobenzene-d5	9.33	82	26772	2.42	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	384	0.06	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	62248	2.58	ng	0.00
78) Terphenyl-d14	20.15	244	112831	-1.00	ng	0.00
Target Compounds						
6) Aniline	7.47	93	1057576	78.47	ng	Qvalue 97
9) Benzaldehyde	7.48	77	15710	2.42	ng	# 10
10) Phenol	7.47	94	78892	7.88	ng	# 1
11) bis(2-Chloroethyl)ether	7.47	93	1057576	133.34	ng	# 27
12) 1,3-Dichlorobenzene	8.19	146	55865	6.91	ng	91
13) 1,4-Dichlorobenzene	8.19	146	55865	6.90	ng	# 86
14) 1,2-Dichlorobenzene	8.51	146	65691	8.16	ng	93
24) Nitrobenzene	9.57	77	66930	5.69	ng	# 53

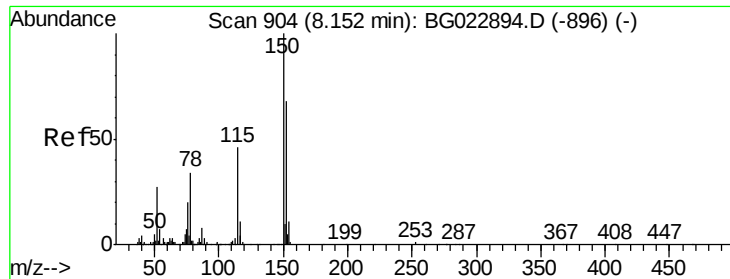
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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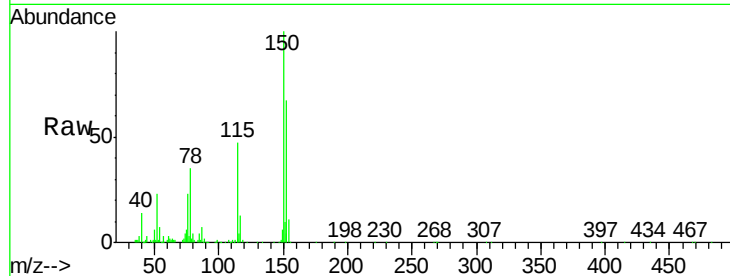


#1

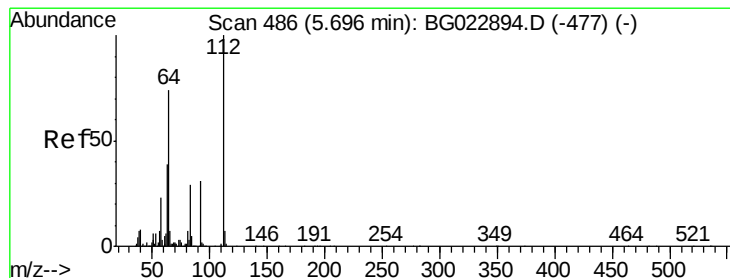
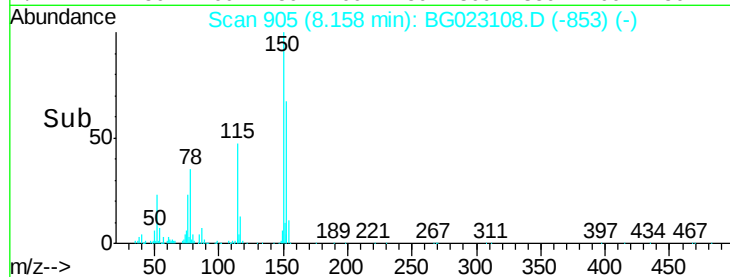
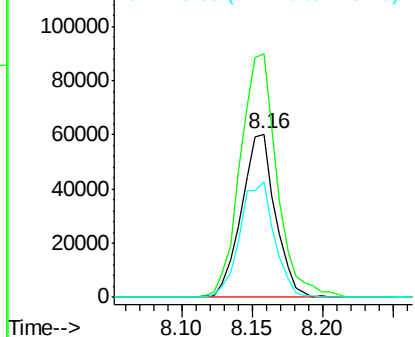
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.16 min Scan# 905
 Delta R.T. 0.01 min
 Lab File: BG023108.D
 Acq: 14 Jul 2016 19:34

Instrument :
 BNA_G
 ClientSampleId :
 SYSDIS-071216DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.2	144.7	217.1
115	70.6	64.0	96.0



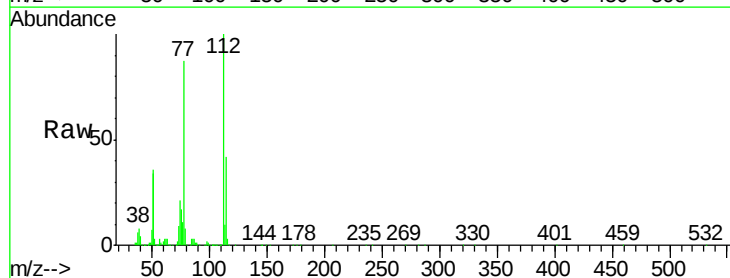
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



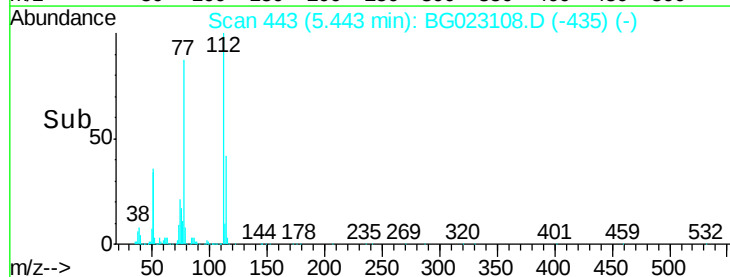
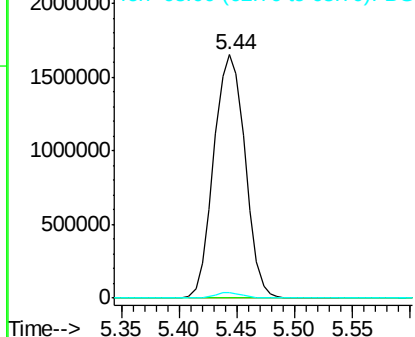
#5

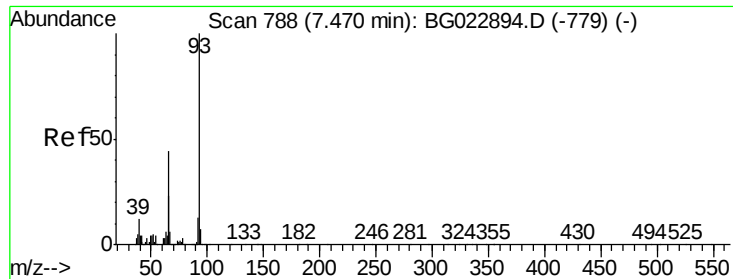
2-Fluorophenol
 Concen: 498.20 ng
 RT: 5.44 min Scan# 443
 Delta R.T. -0.25 min
 Lab File: BG023108.D
 Acq: 14 Jul 2016 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.2	59.0	88.4#
63	2.5	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





#6

Aniline

Concen: 78.47 ng

RT: 7.47 min Scan# 788

Delta R.T. 0.00 min

Lab File: BG023108.D

Acq: 14 Jul 2016 19:34

Instrument :

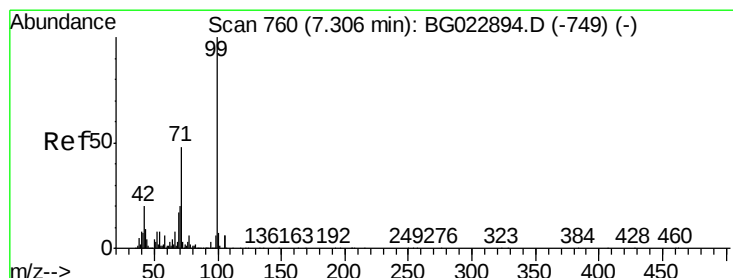
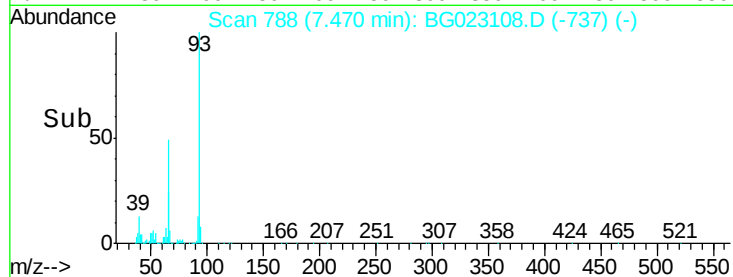
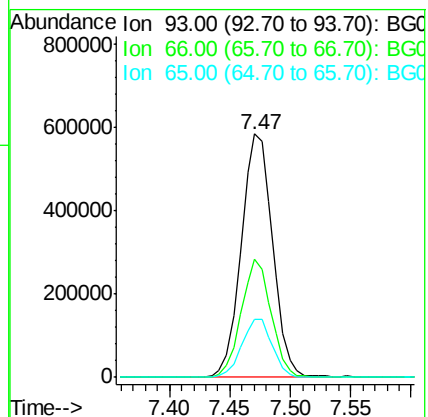
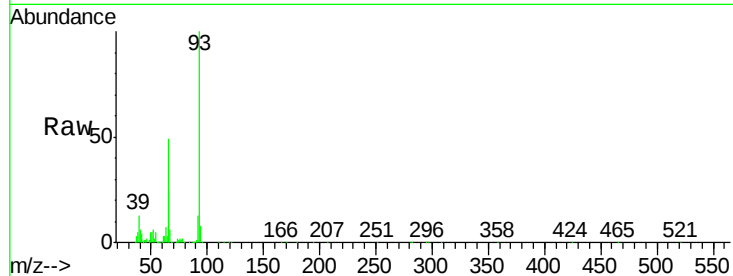
BNA_G

ClientSampleId :

SYSDIS-071216DL

Tgt Ion: 93 Resp: 1057576

Ion	Ratio	Lower	Upper
93	100		
66	48.7	37.5	56.3
65	23.7	17.9	26.9



#7

Phenol-d6

Concen: 0.18 ng

RT: 7.31 min Scan# 761

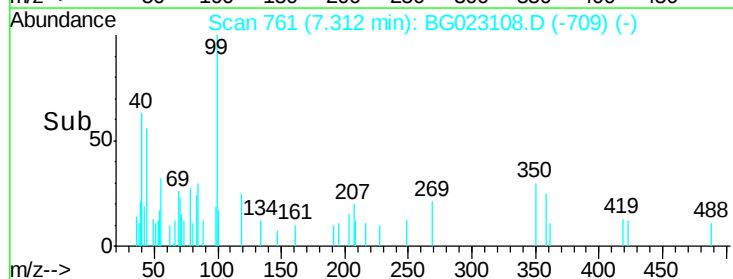
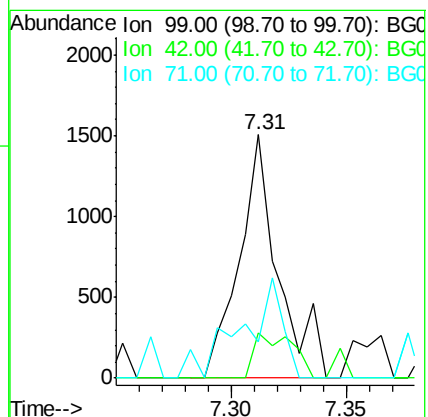
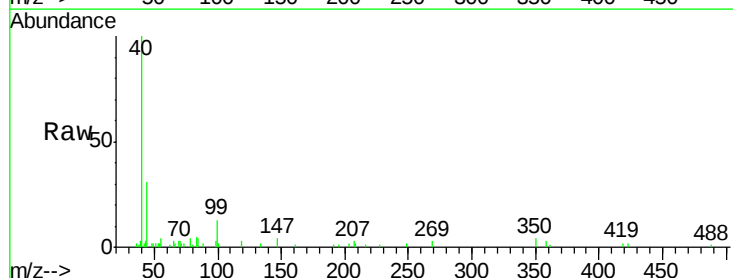
Delta R.T. 0.01 min

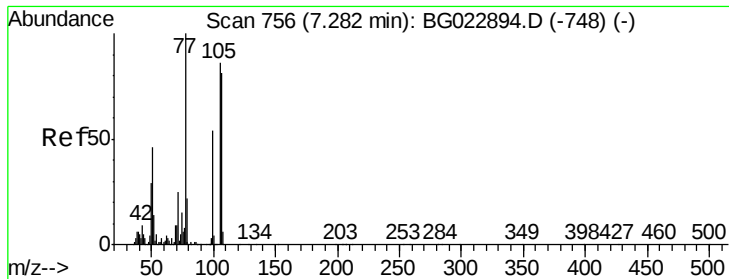
Lab File: BG023108.D

Acq: 14 Jul 2016 19:34

Tgt Ion: 99 Resp: 1775

Ion	Ratio	Lower	Upper
99	100		
42	18.7	17.8	26.6
71	14.9	41.5	62.3#





#9

Benzaldehyde

Concen: 2.42 ng

RT: 7.48 min Scan# 789

Delta R.T. 0.19 min

Lab File: BG023108.D

Acq: 14 Jul 2016 19:34

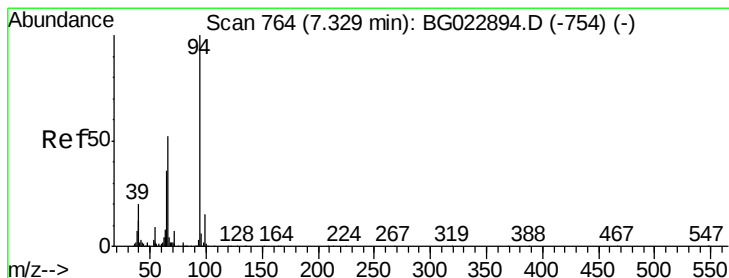
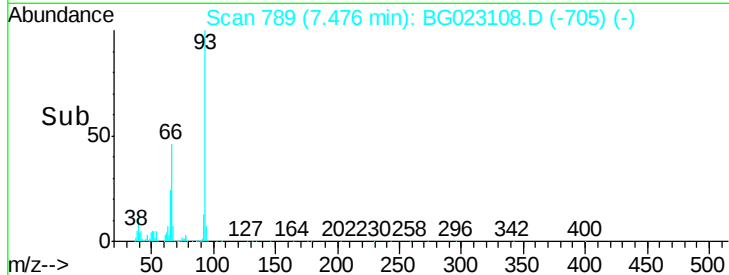
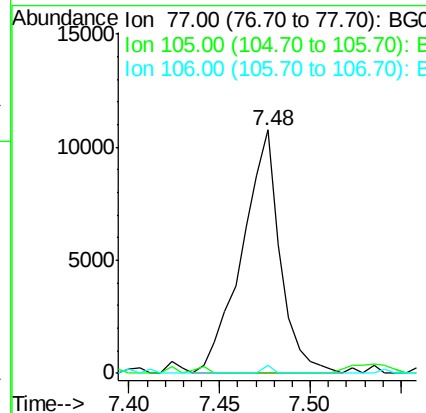
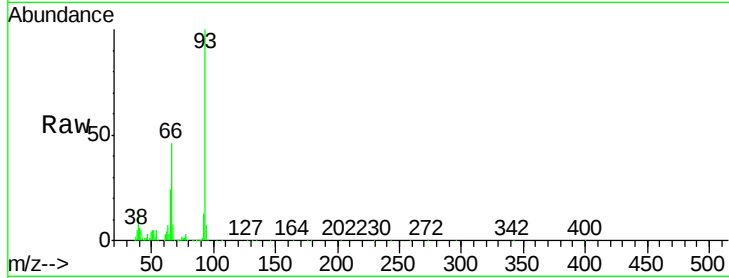
Instrument :

BNA_G

ClientSampleId :

SYSDIS-071216DL

Tgt Ion: 77 Resp: 15710
 Ion Ratio Lower Upper
 77 100
 105 0.0 58.7 98.7#
 106 3.6 67.5 107.5#



#10

Phenol

Concen: 7.88 ng

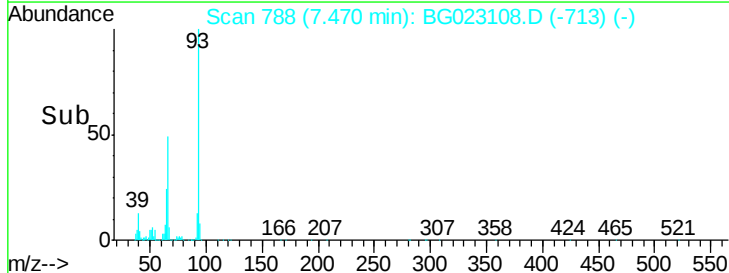
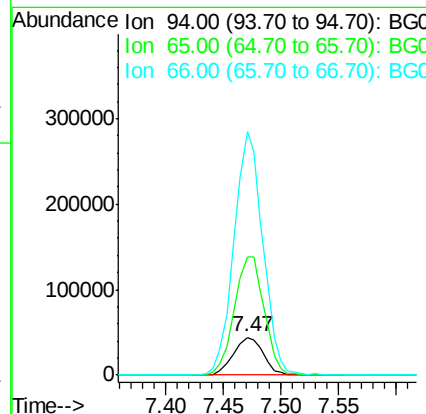
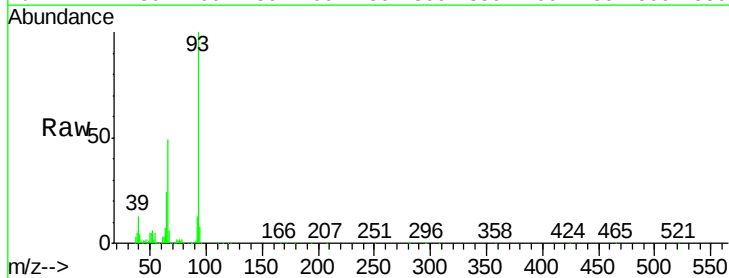
RT: 7.47 min Scan# 788

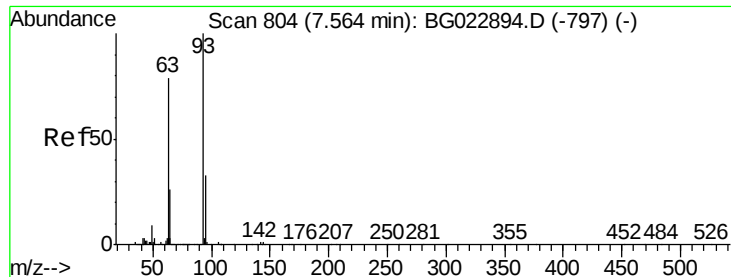
Delta R.T. 0.14 min

Lab File: BG023108.D

Acq: 14 Jul 2016 19:34

Tgt Ion: 94 Resp: 78892
 Ion Ratio Lower Upper
 94 100
 65 315.8 18.1 58.1#
 66 648.0 42.1 82.1#

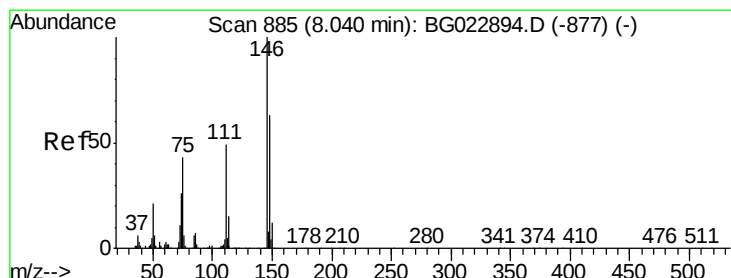
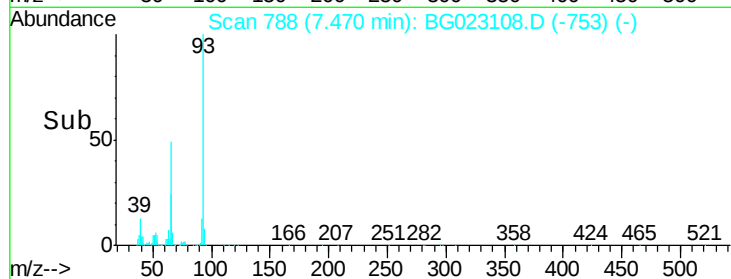
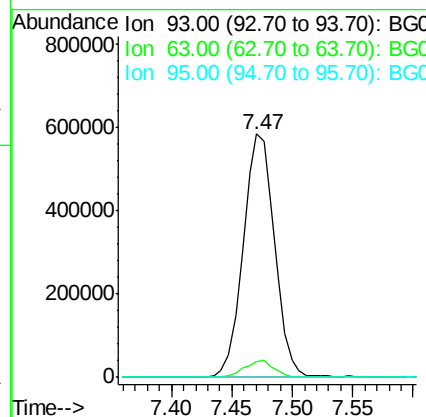
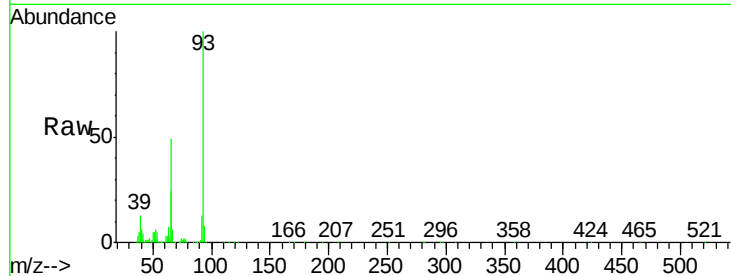




#11
bis(2-Chloroethyl)ether
Concen: 133.34 ng
RT: 7.47 min Scan# 788
Delta R.T. -0.09 min
Lab File: BG023108.D
Acq: 14 Jul 2016 19:34

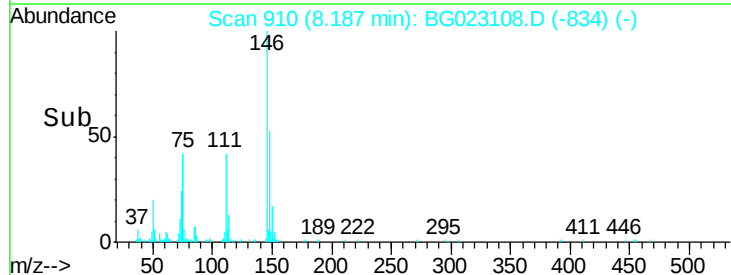
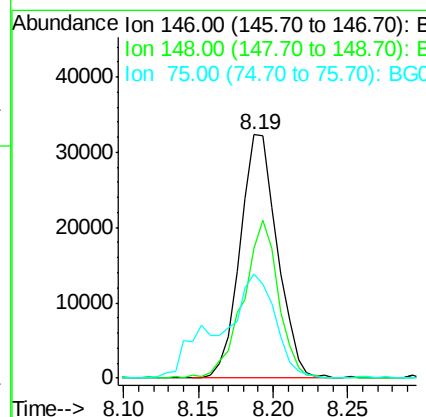
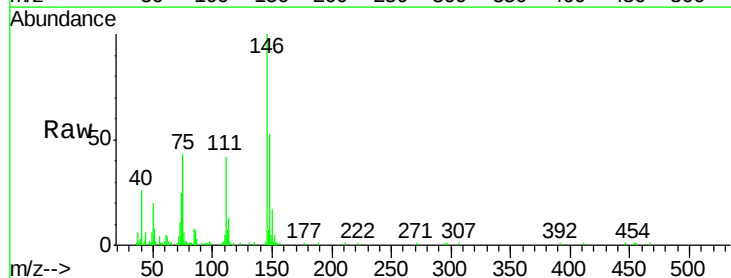
Instrument :
BNA_G
ClientSampleId :
SYSDIS-071216DL

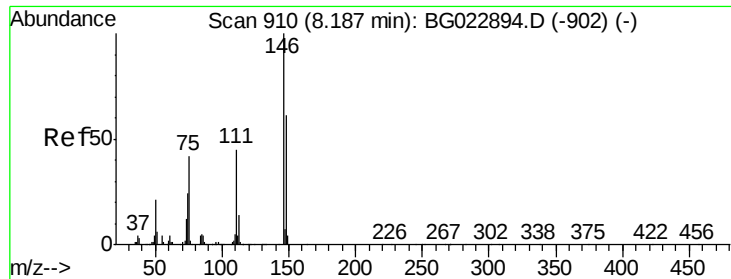
Tgt Ion: 93 Resp: 1057576
Ion Ratio Lower Upper
93 100
63 6.5 55.0 95.0#
95 0.2 11.0 51.0#



#12
1,3-Dichlorobenzene
Concen: 6.91 ng
RT: 8.19 min Scan# 910
Delta R.T. 0.15 min
Lab File: BG023108.D
Acq: 14 Jul 2016 19:34

Tgt Ion: 146 Resp: 55865
Ion Ratio Lower Upper
146 100
148 53.3 50.3 75.5
75 42.7 37.0 55.6

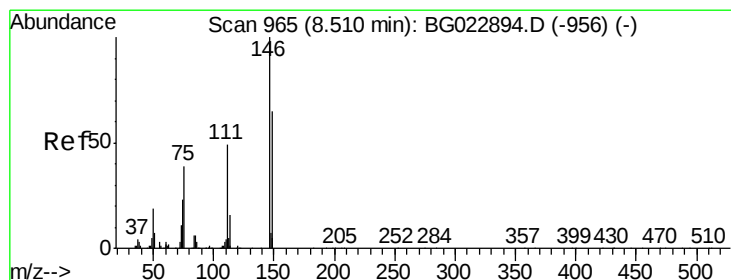
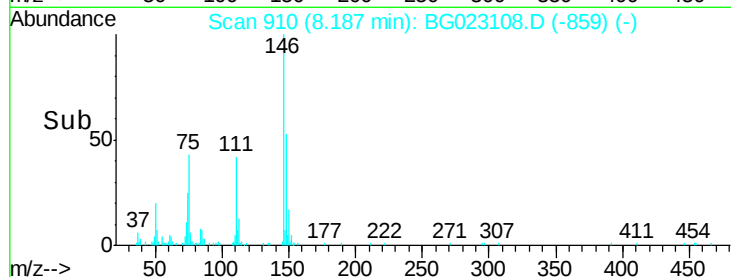
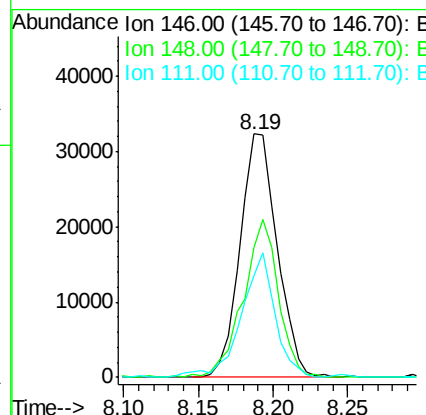
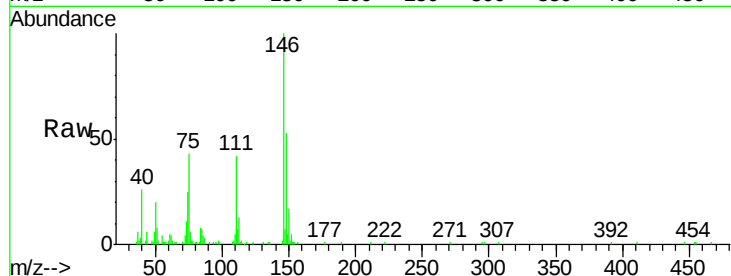




#13
 1,4-Dichlorobenzene
 Concen: 6.90 ng
 RT: 8.19 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BG023108.D
 Acq: 14 Jul 2016 19:34

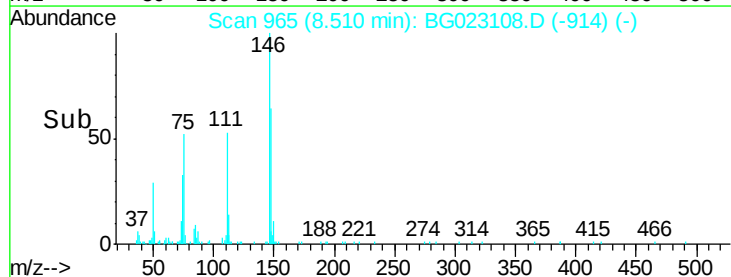
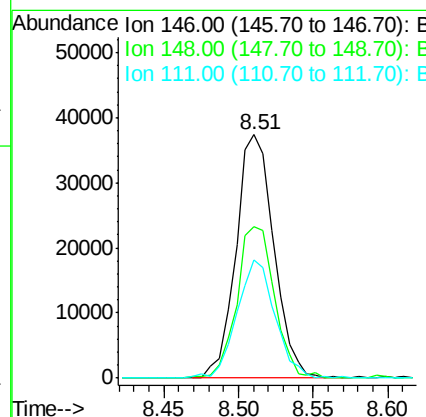
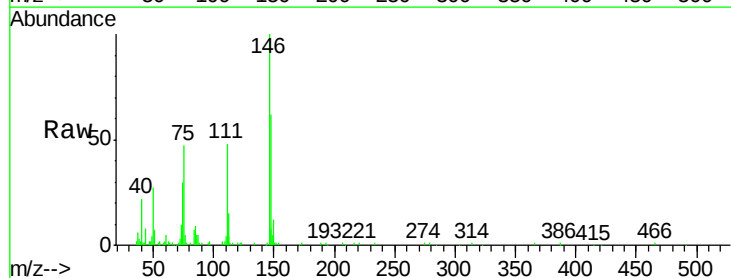
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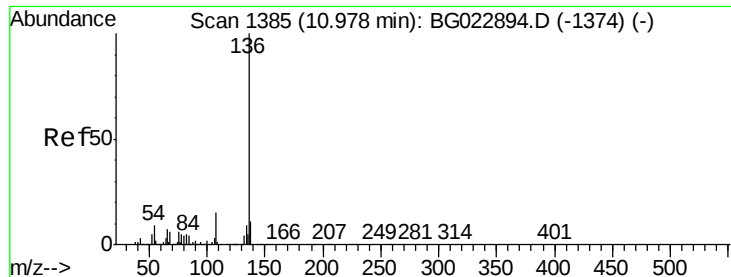
Tgt Ion:146 Resp: 55865
 Ion Ratio Lower Upper
 146 100
 148 53.3 54.5 81.7#
 111 41.6 37.8 56.8



#14
 1,2-Dichlorobenzene
 Concen: 8.16 ng
 RT: 8.51 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BG023108.D
 Acq: 14 Jul 2016 19:34

Tgt Ion:146 Resp: 65691
 Ion Ratio Lower Upper
 146 100
 148 62.2 52.9 79.3
 111 48.3 43.5 65.3

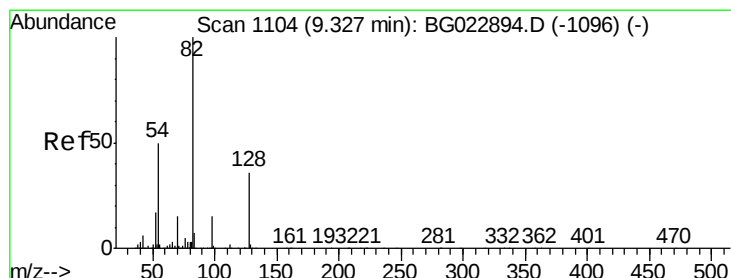
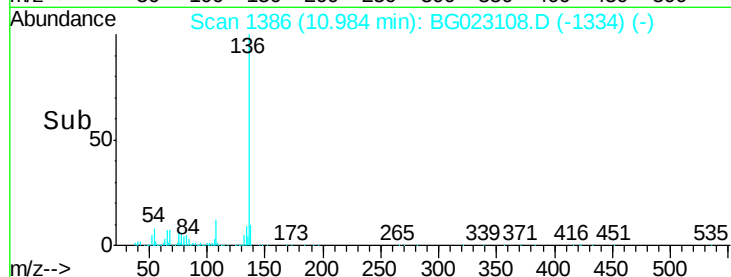
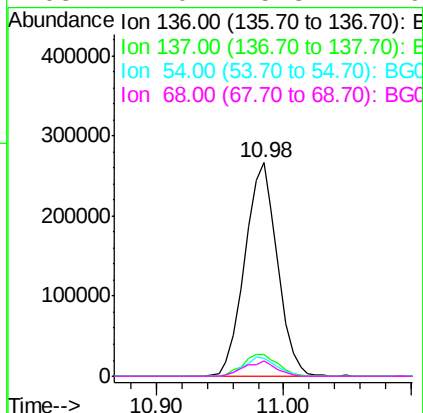
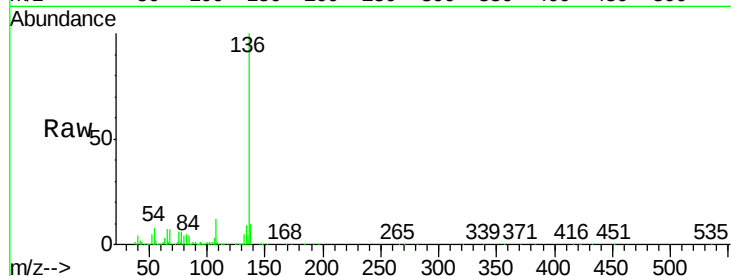




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.01 min
Lab File: BG023108.D
Acq: 14 Jul 2016 19:34

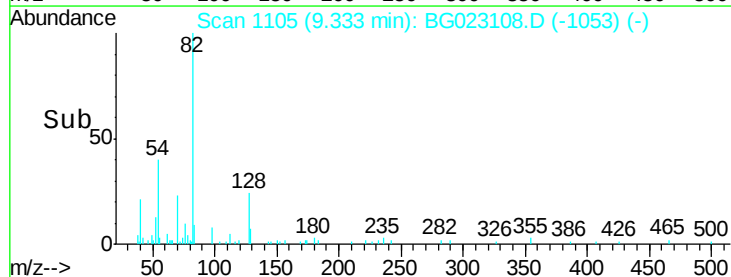
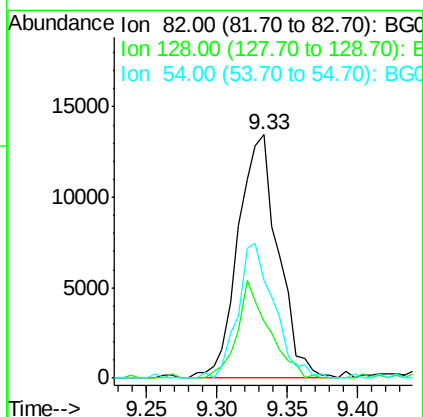
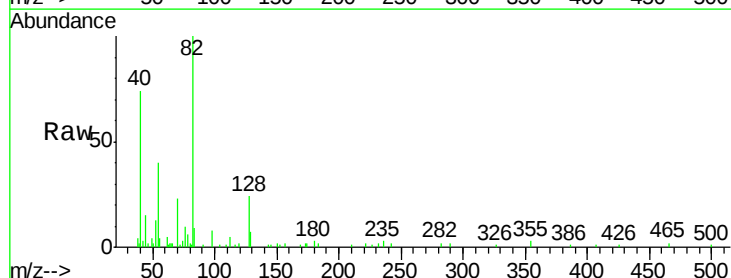
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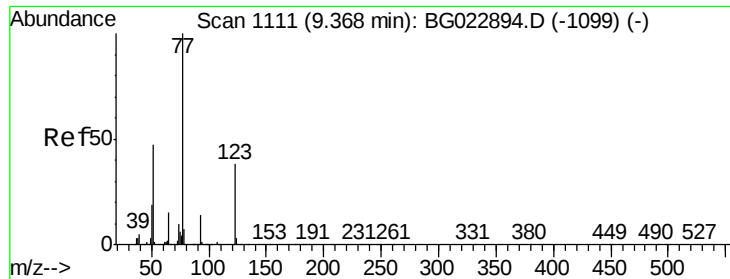
Tgt Ion:	136	Resp:	473782
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.6	14.4
54	8.2	7.3	10.9
68	7.0	5.3	7.9



#23
Nitrobenzene-d5
Concen: 2.42 ng
RT: 9.33 min Scan# 1105
Delta R.T. 0.01 min
Lab File: BG023108.D
Acq: 14 Jul 2016 19:34

Tgt Ion:	82	Resp:	26772
Ion	Ratio	Lower	Upper
82	100		
128	23.5	24.4	36.6#
54	40.1	41.4	62.0#

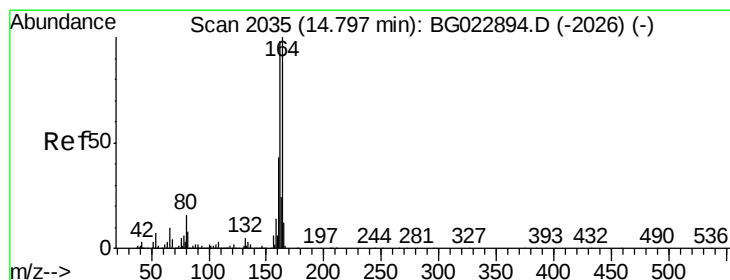
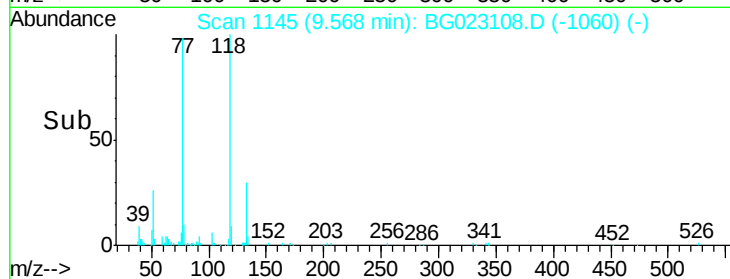
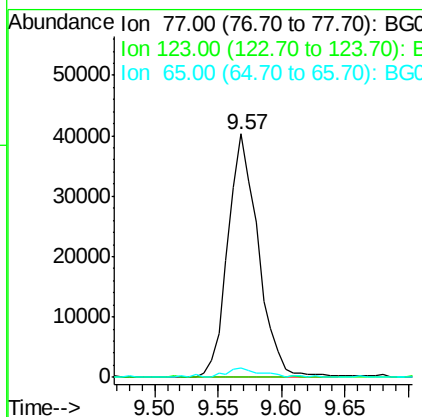
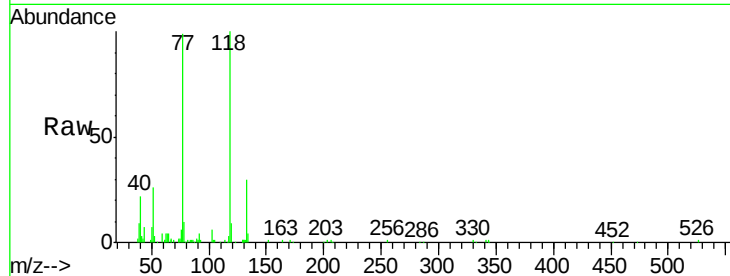




#24
 Nitrobenzene
 Concen: 5.69 ng
 RT: 9.57 min Scan# 1145
 Delta R.T. 0.20 min
 Lab File: BG023108.D
 Acq: 14 Jul 2016 19:34

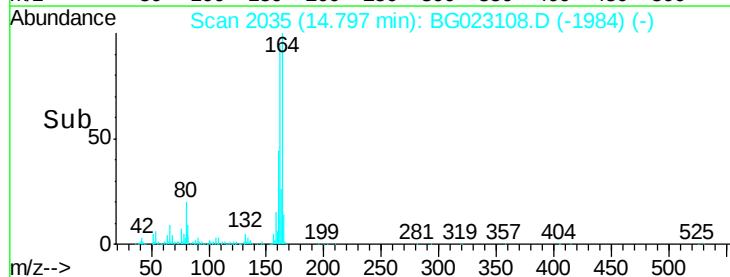
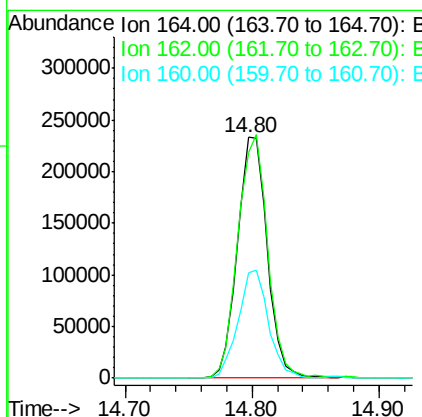
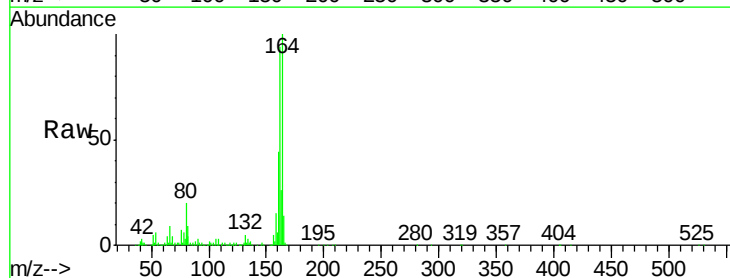
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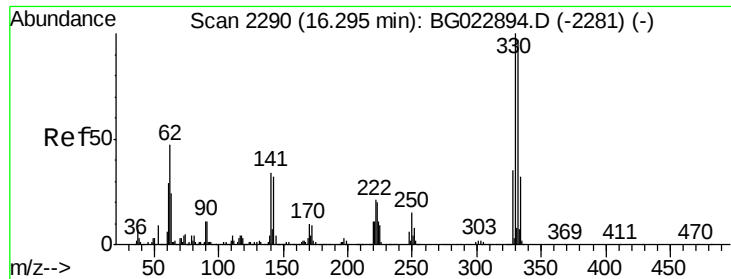
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.4	25.0	37.6#
65	3.9	13.4	20.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: BG023108.D
 Acq: 14 Jul 2016 19:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	93.9	87.7	131.5
160	43.9	37.2	55.8

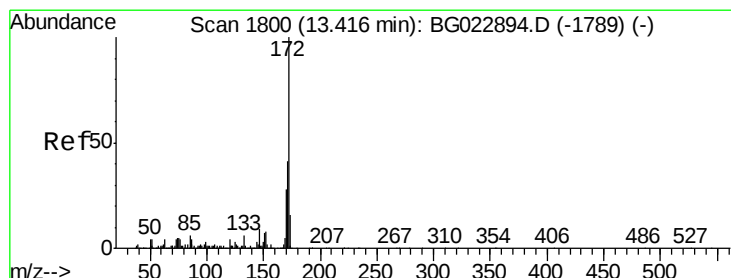
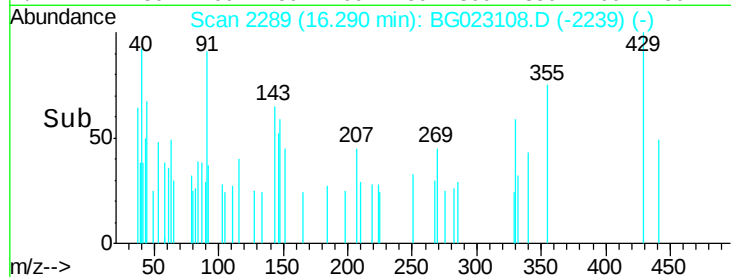
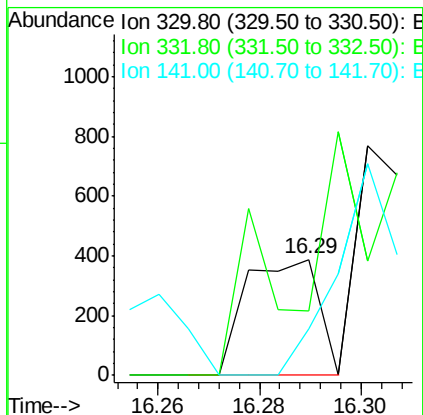
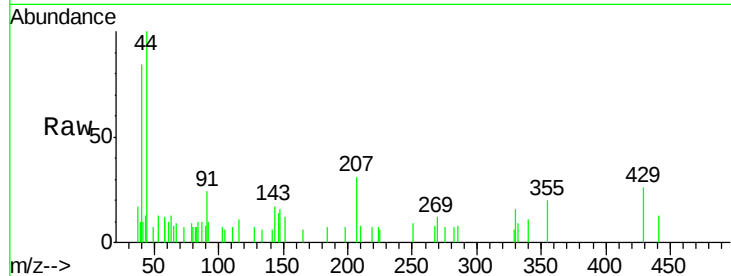




#41
 2,4,6-Tribromophenol
 Concen: 0.06 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. -0.01 min
 Lab File: BG023108.D
 Acq: 14 Jul 2016 19:34

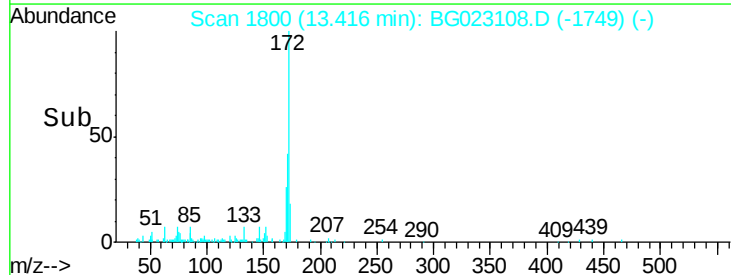
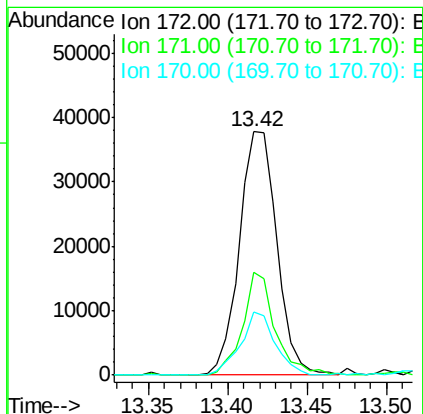
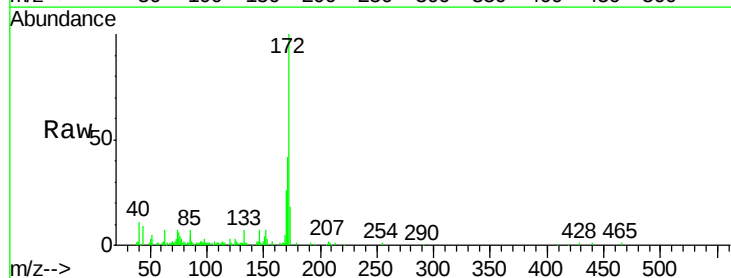
Instrument :
 BNA_G
 ClientSampleId :
 SYSDIS-071216DL

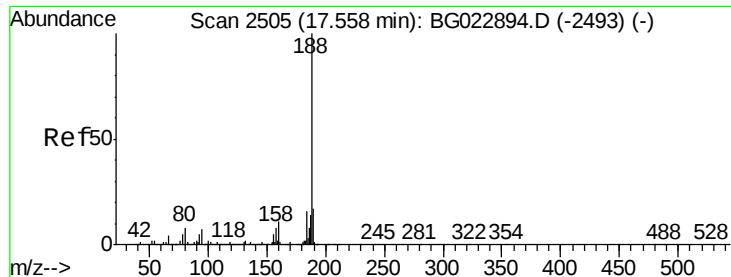
Tgt Ion:330 Resp: 384
 Ion Ratio Lower Upper
 330 100
 332 330.5 77.4 116.2#
 141 0.0 31.7 47.5#



#44
 2-Fluorobiphenyl
 Concen: 2.58 ng
 RT: 13.42 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: BG023108.D
 Acq: 14 Jul 2016 19:34

Tgt Ion:172 Resp: 62248
 Ion Ratio Lower Upper
 172 100
 171 42.0 31.6 47.4
 170 25.7 21.3 31.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG023108.D

Acq: 14 Jul 2016 19:34

Instrument :

BNA_G

ClientSampleId :

SYSDIS-071216DL

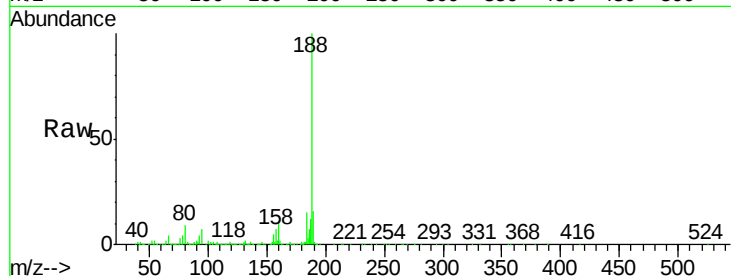
Tgt Ion:188 Resp: 924531

Ion Ratio Lower Upper

188 100

94 7.4 5.2 7.8

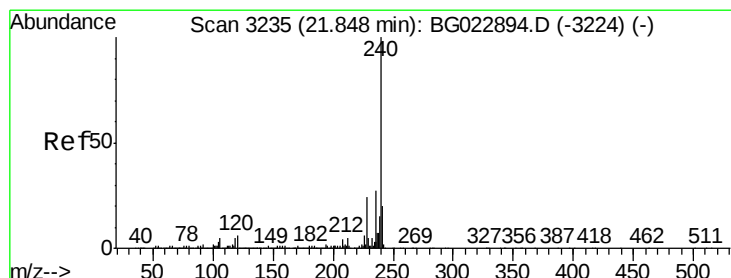
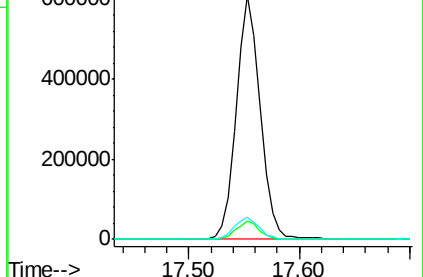
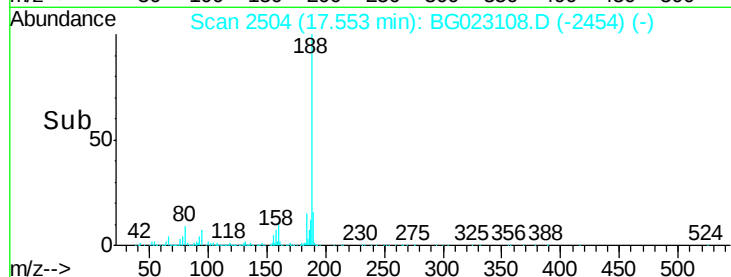
80 9.2 7.2 10.8



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: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.01 min

Lab File: BG023108.D

Acq: 14 Jul 2016 19:34

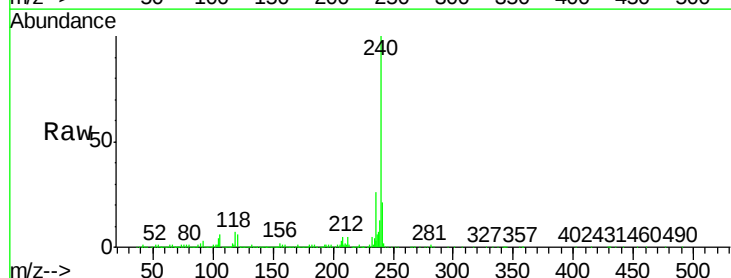
Tgt Ion:240 Resp: 994319

Ion Ratio Lower Upper

240 100

120 6.3 4.1 6.1#

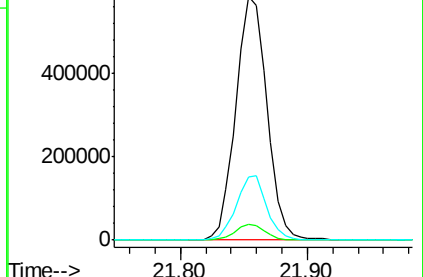
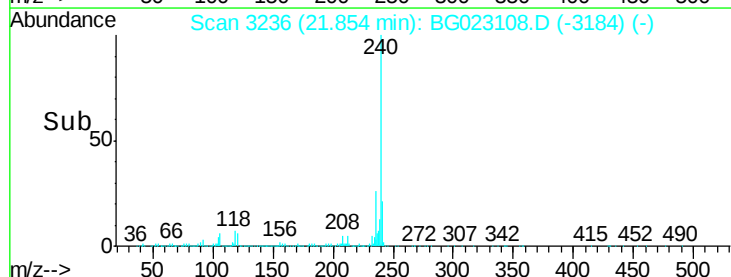
236 25.9 21.1 31.7

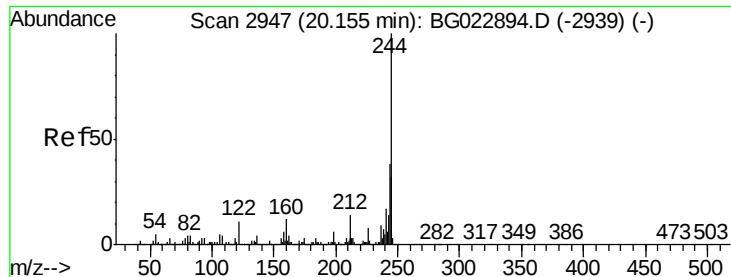


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: -1.00 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.01 min

Lab File: BG023108.D

Acq: 14 Jul 2016 19:34

Instrument :

BNA_G

ClientSampleId :

SYSDIS-071216DL

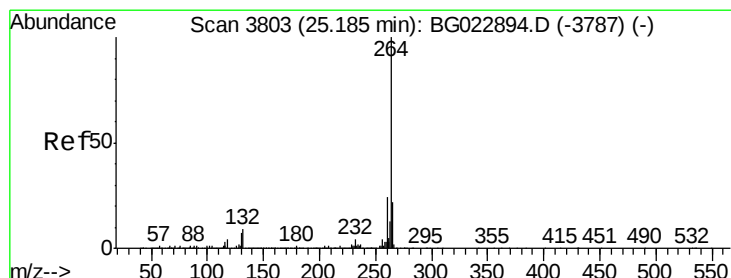
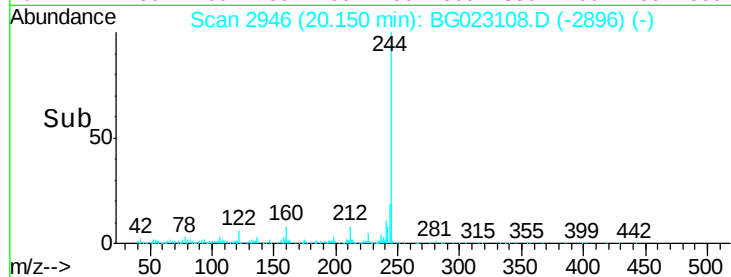
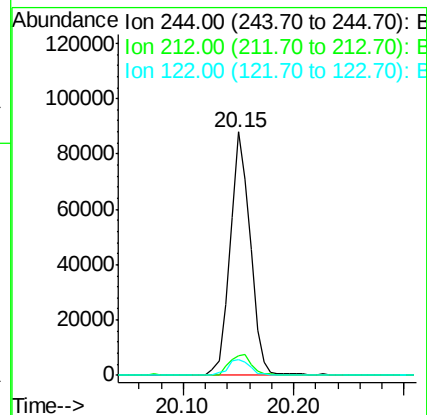
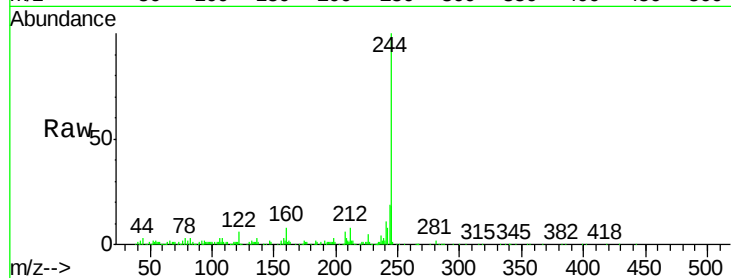
Tgt Ion:244 Resp: 112831

Ion Ratio Lower Upper

244 100

212 8.3 10.8 16.2#

122 6.4 8.0 12.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.23 min Scan# 3811

Delta R.T. 0.05 min

Lab File: BG023108.D

Acq: 14 Jul 2016 19:34

Tgt Ion:264 Resp: 986650

Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

265 22.8 18.9 28.3

