

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031697.D
 Acq On : 22 Dec 2017 6:08
 Operator : SJ/JU
 Sample : I6988-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT4008-RT3867-RT3075

Manual Integrations
 APPROVED

Sohil
 12/22/2017 12:44:34 PM

Quant Time: Dec 22 07:34:54 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 03:38:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	48817m	20.00	ng	0.00
21) Naphthalene-d8	11.71	136	199961	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	138830	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	377568	20.00	ng	0.00
75) Chrysene-d12	22.55	240	448493	20.00	ng	-0.02
86) Perylene-d12	26.34	264	478168	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	333845	124.56	ng	0.00
7) Phenol-d6	7.92	99	386953	111.20	ng	0.00
23) Nitrobenzene-d5	10.02	82	250942	94.76	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	321802	151.91	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	908040	82.09	ng	0.00
78) Terphenyl-d14	20.73	244	1833593	93.40	ng	0.00
Target Compounds						
76) Benzidine	20.36	184	328774	23.750	ng	Qvalue 98

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

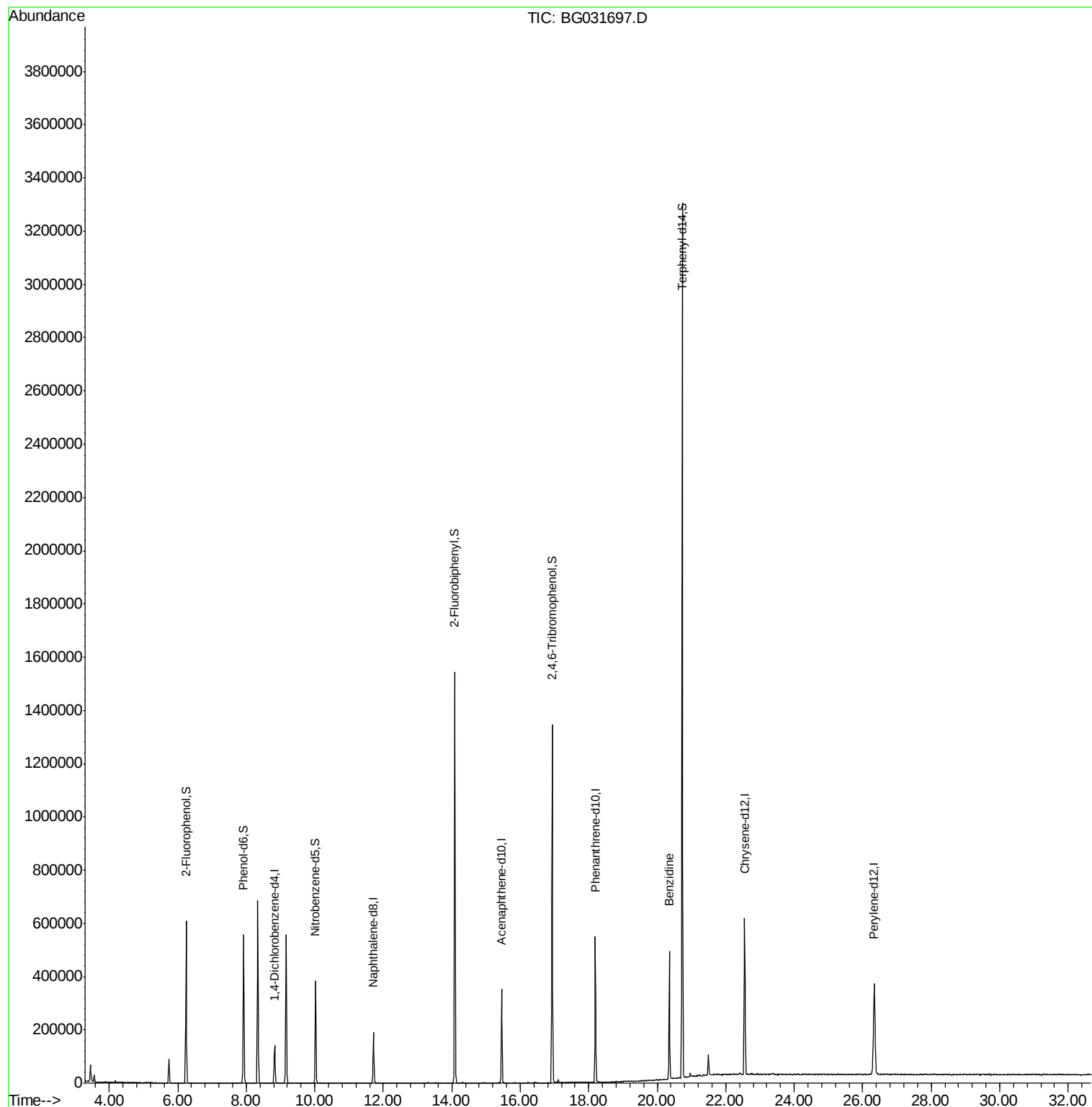
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

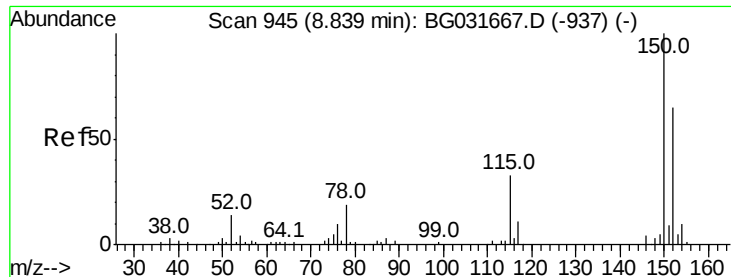
Instrument :
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#1

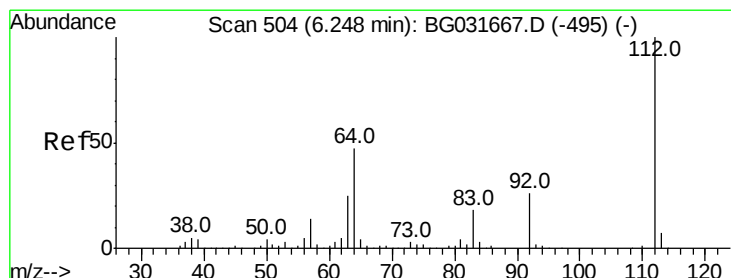
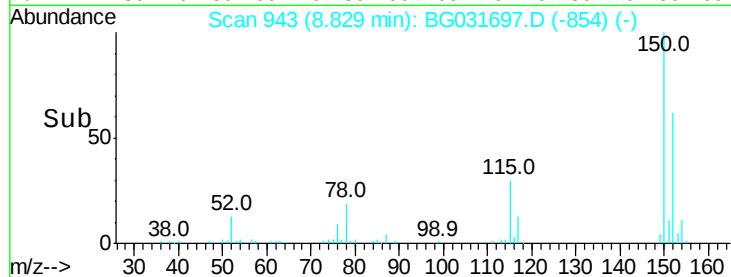
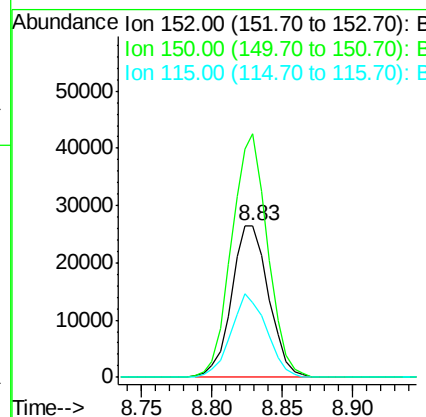
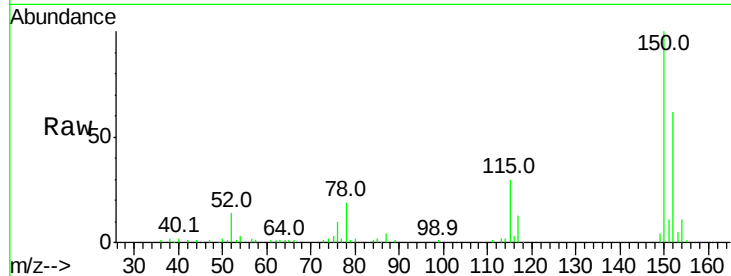
1,4-Dichlorobenzene-d4
Concen: 20.000 ng/ml
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG031697.D
Acq: 22 Dec 2017 6:08

Instrument :
BNA_G
ClientSampleId :
RT4008-RT3867-RT3075

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.6	189.8
115	48.9	53.0	79.4

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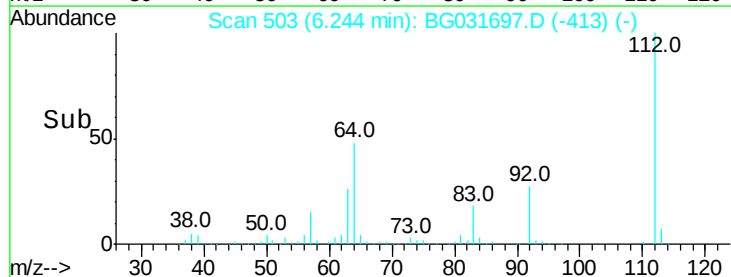
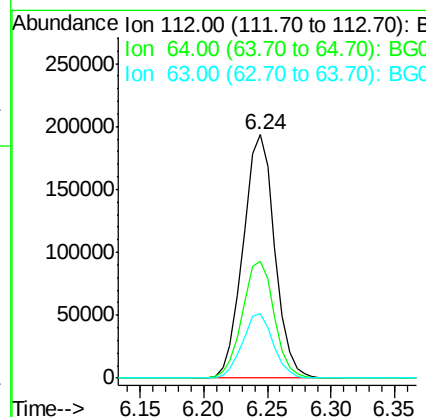
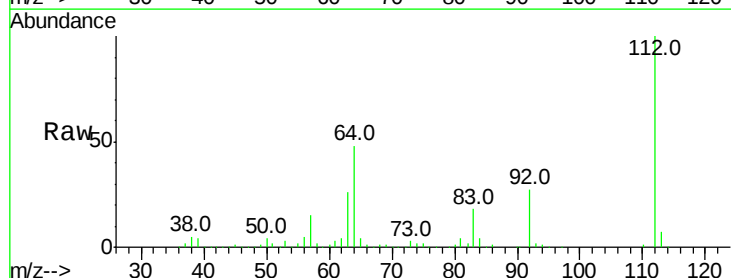
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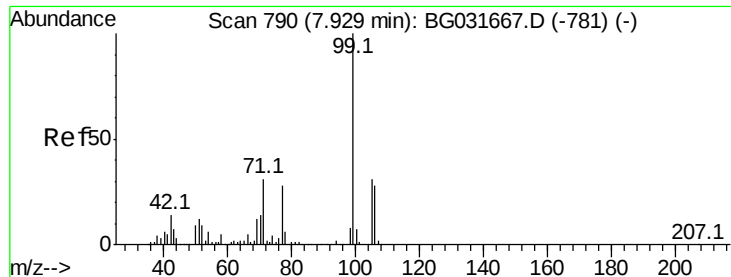


#5

2-Fluorophenol
Concen: 124.559 ng/ml
RT: 6.24 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031697.D
Acq: 22 Dec 2017 6:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.1	56.3	84.5
63	26.4	30.1	45.1





#7

Phenol-d6

Concen: 111.200 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

Instrument :

BNA_G

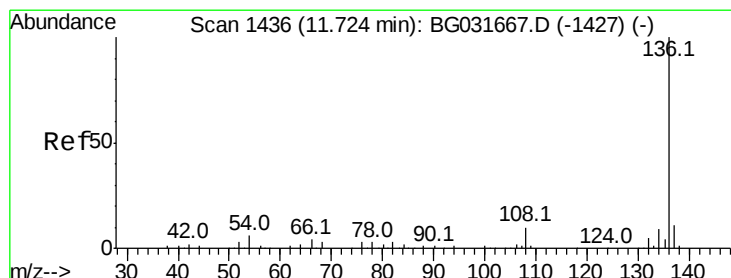
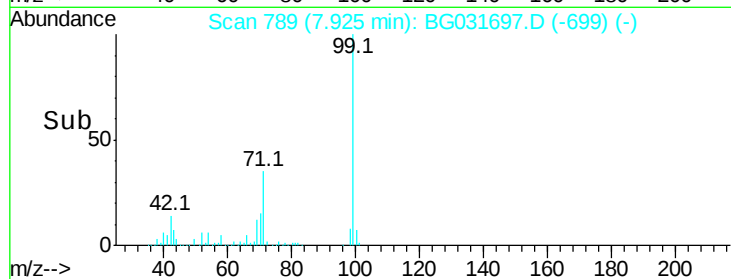
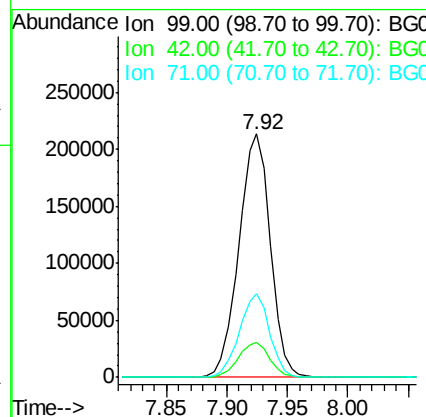
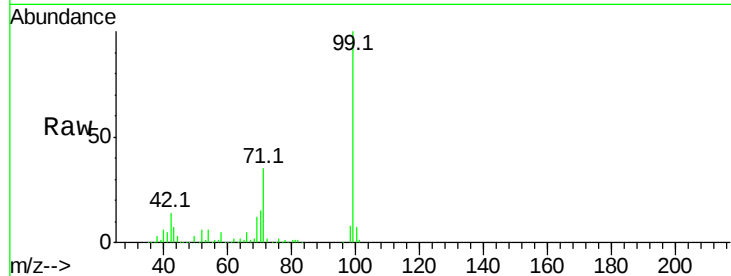
ClientSampleId :

RT4008-RT3867-RT3075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		386953		
42	14.1	14.1	21.1		
71	34.5	26.1	39.1		

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#21

Naphthalene-d8

Concen: 20.000 ng

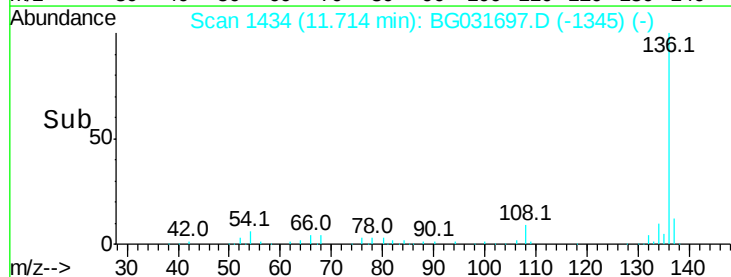
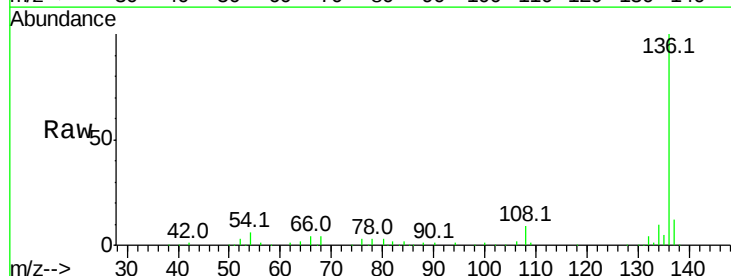
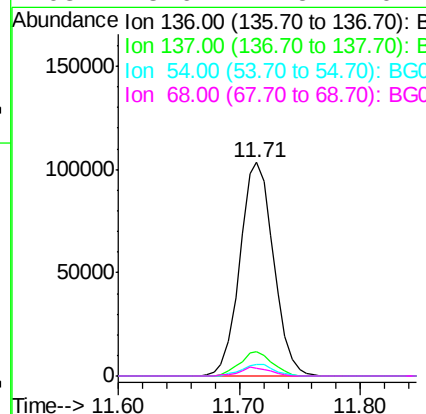
RT: 11.71 min Scan# 1434

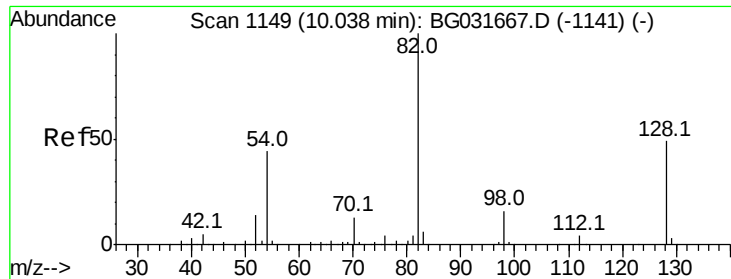
Delta R.T. -0.01 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		199961		
137	11.6	9.2	13.8		
54	5.6	10.3	15.5#		
68	3.6	4.5	6.7#		





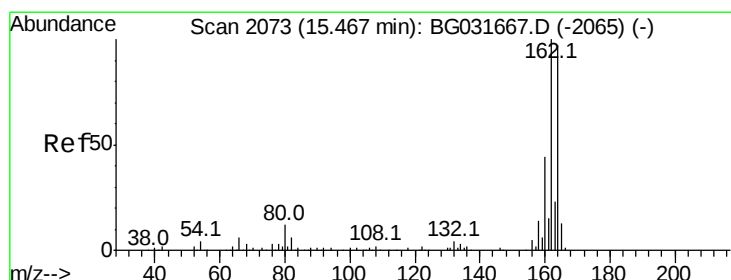
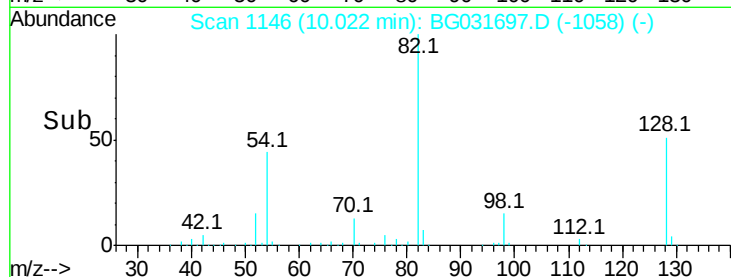
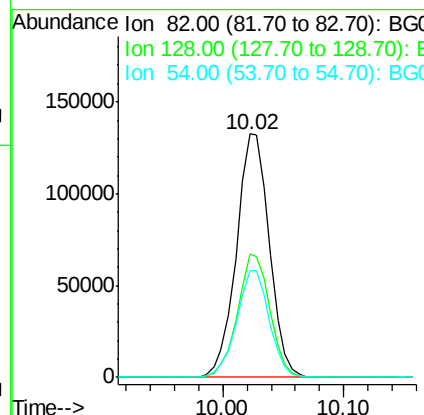
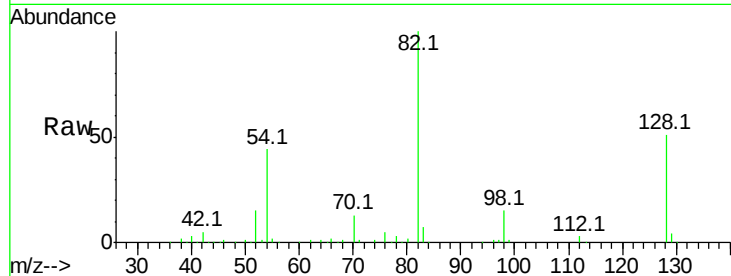
#23
Nitrobenzene-d5
Concen: 94.764 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BG031697.D
Acq: 22 Dec 2017 6:08

Instrument :
BNA_G
ClientSampleId :
RT4008-RT3867-RT3075

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.8	29.7	44.5#
54	44.0	43.1	64.7

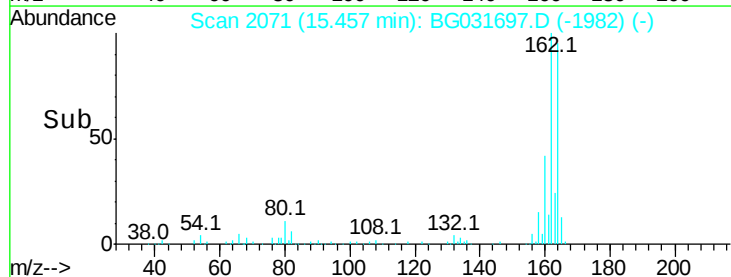
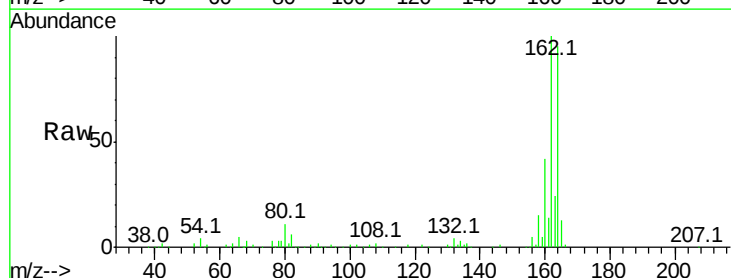
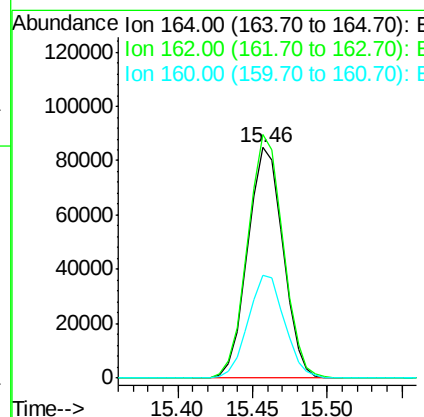
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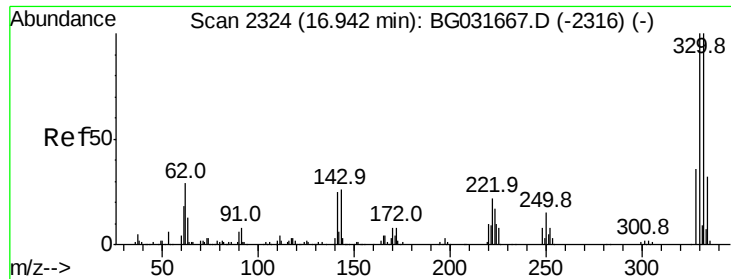
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031697.D
Acq: 22 Dec 2017 6:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	78.8	118.2
160	44.7	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 151.911 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

Instrument :

BNA_G

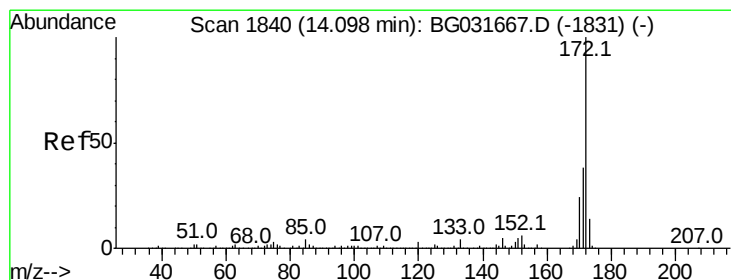
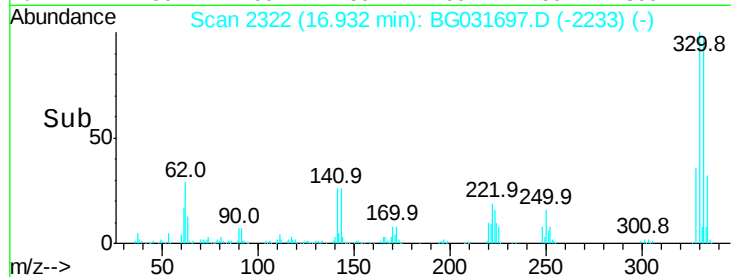
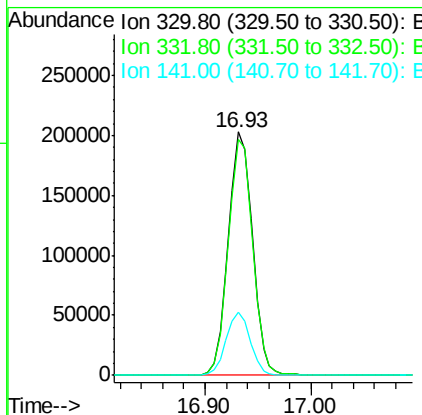
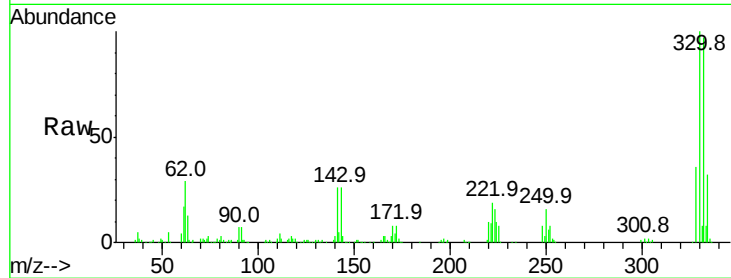
ClientSampleId :

RT4008-RT3867-RT3075

Tot Ion:	330	Resp:	321802
Ion Ratio	Lower	Upper	
330	100		
332	97.4	77.0	115.6
141	26.0	25.2	37.8

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#44

2-Fluorobiphenyl

Concen: 82.094 ng

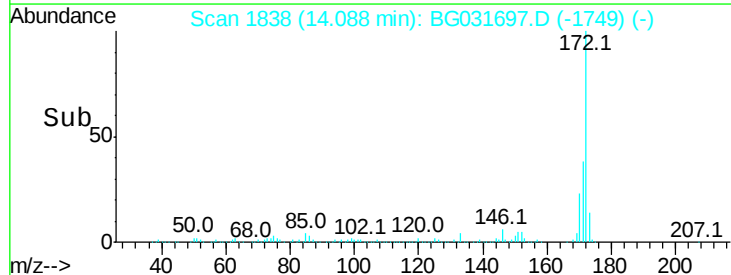
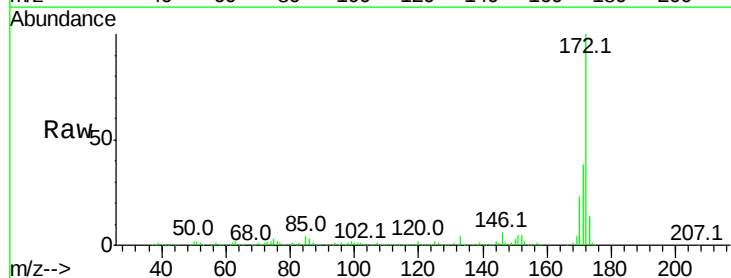
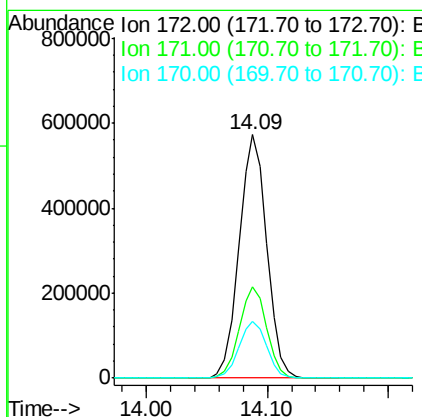
RT: 14.09 min Scan# 1838

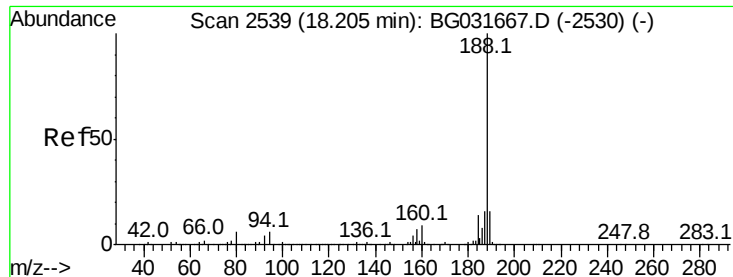
Delta R.T. -0.01 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

Tgt Ion:	172	Resp:	908040
Ion Ratio	Lower	Upper	
172	100		
171	37.5	30.0	45.0
170	23.4	19.5	29.3





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

Instrument :

BNA_G

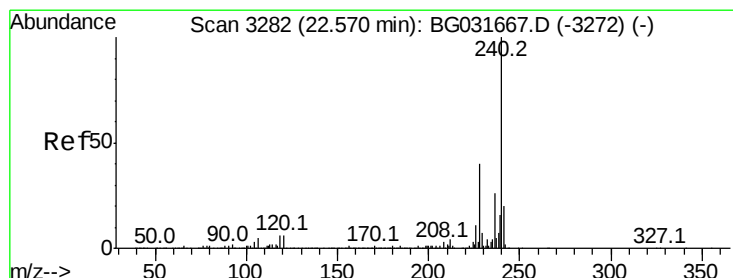
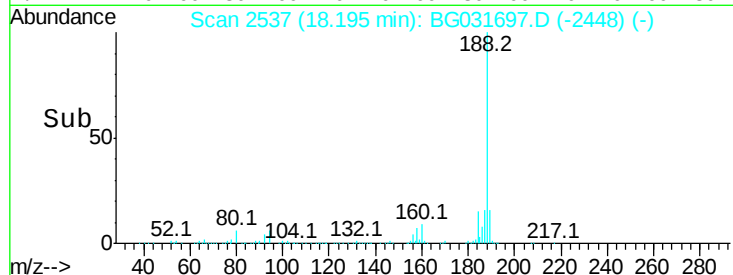
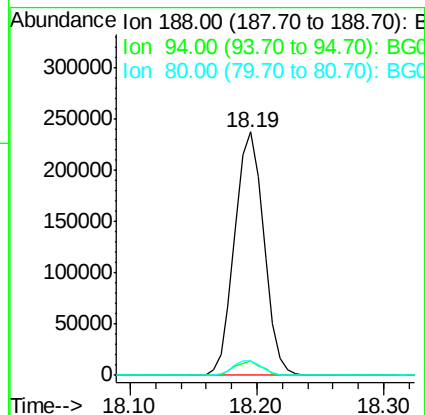
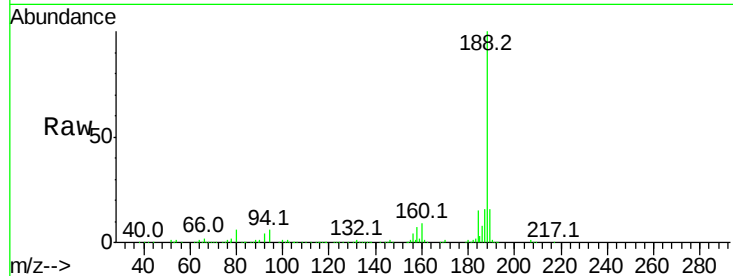
ClientSampleId :

RT4008-RT3867-RT3075

Tot Ion:	188	Resp:	377568
Ion Ratio	Lower	Upper	
188	100		
94	5.8	6.9	10.3#
80	6.0	7.7	11.5#

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#75

Chrysene-d12

Concen: 20.000 ng

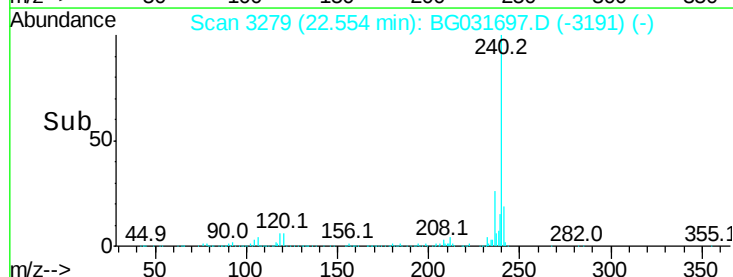
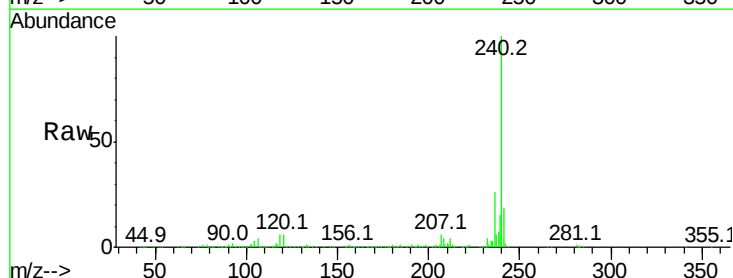
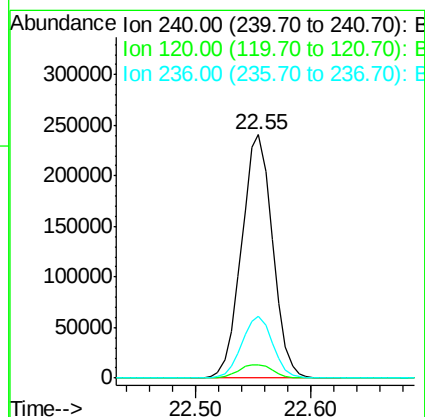
RT: 22.55 min Scan# 3279

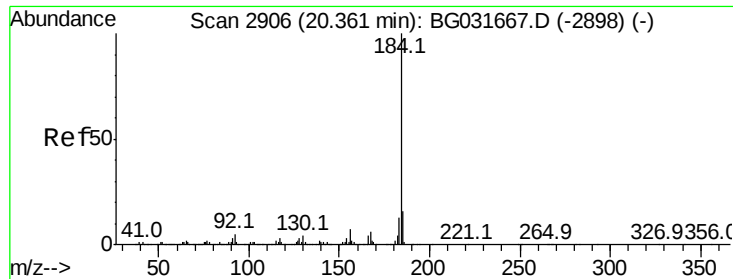
Delta R.T. -0.02 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

Tgt Ion:	240	Resp:	448493
Ion Ratio	Lower	Upper	
240	100		
120	5.6	6.8	10.2#
236	25.6	20.9	31.3





#76

Benzidine

Concen: 23.750 ng

RT: 20.36 min Scan# 2905

Delta R.T. -0.00 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

Instrument :

BNA_G

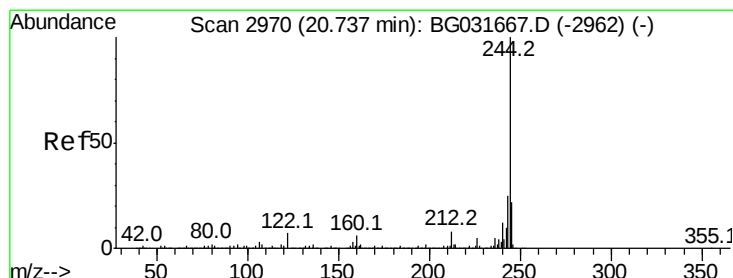
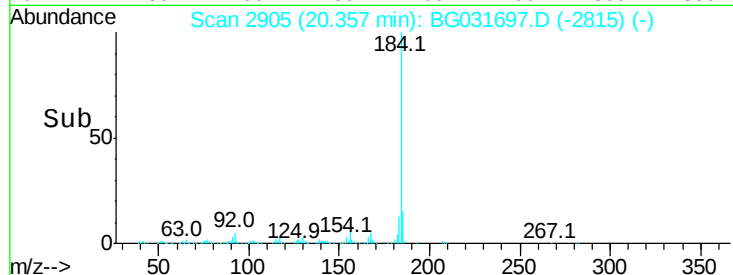
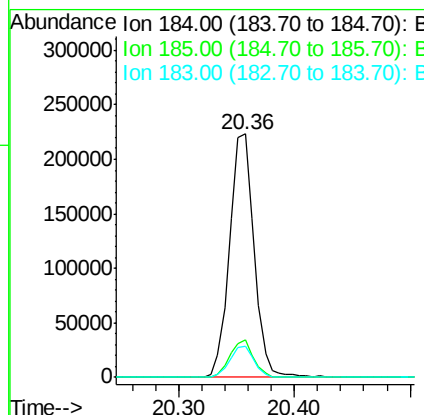
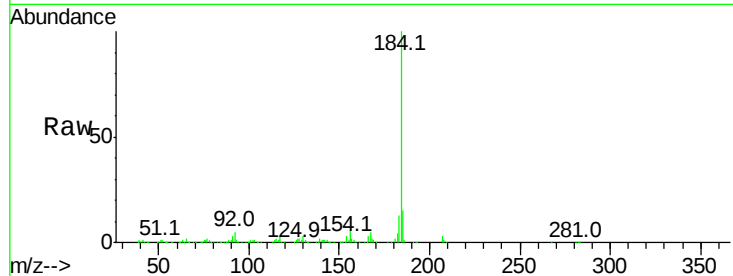
ClientSampleId :

RT4008-RT3867-RT3075

Tot Ion:	184	Resp:	328774
Ion Ratio	Lower	Upper	
184	100		
185	15.2	11.1	16.7
183	12.7	10.6	16.0

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#78

Terphenyl-d14

Concen: 93.404 ng

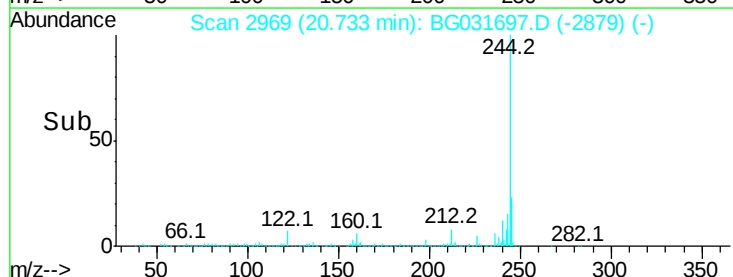
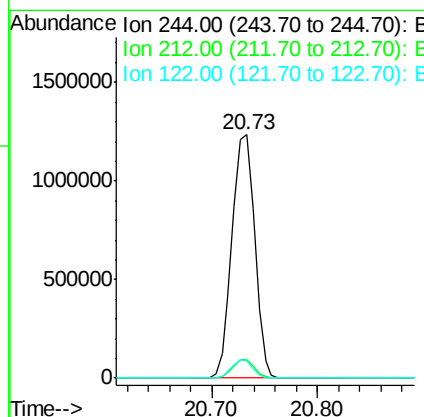
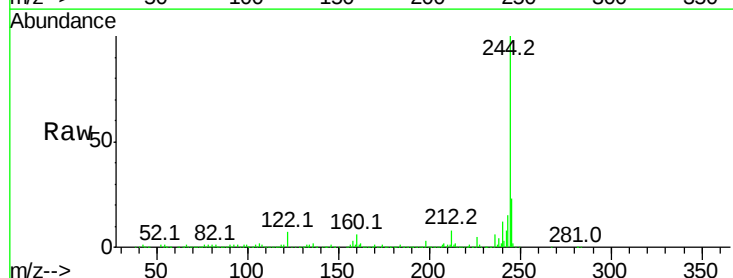
RT: 20.73 min Scan# 2969

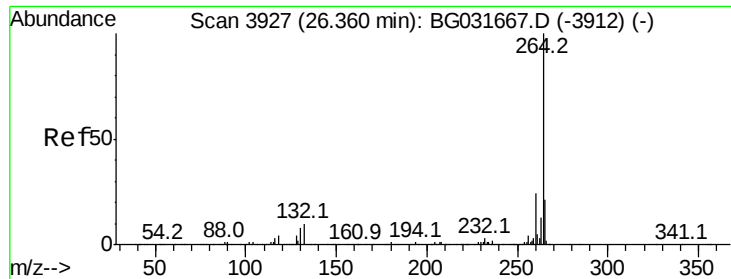
Delta R.T. -0.00 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

Tgt Ion:	244	Resp:	1833593
Ion Ratio	Lower	Upper	
244	100		
212	7.7	5.8	8.8
122	7.0	7.0	10.4





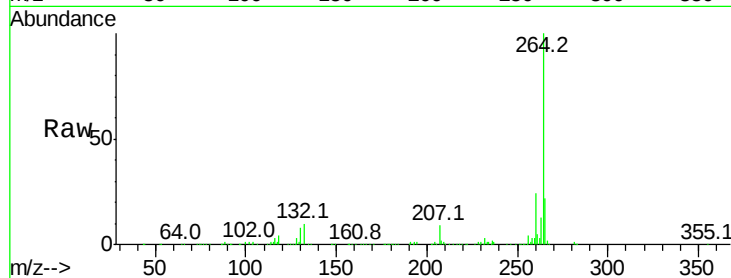
#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.34 min Scan# 3923
Delta R.T. -0.02 min
Lab File: BG031697.D
Acq: 22 Dec 2017 6:08

Instrument :
BNA_G
ClientSampleId :
RT4008-RT3867-RT3075

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.1	17.7	26.5

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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

