

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
 Data File : BG033613.D
 Acq On : 6 Apr 2018 4:21
 Operator : SJ/JU
 Sample : J2213-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1

Manual Integrations
 APPROVED

Sohil
 4/6/2018 5:28:04 PM

Quant Time: Apr 06 05:25:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	29722	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	135516	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	112656	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	296229	20.00	ng	0.00
75) Chrysene-d12	22.55	240	305971	20.00	ng	0.00
86) Perylene-d12	26.31	264	301695	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	266480	168.12	ng	0.00
7) Phenol-d6	7.97	99	377595	138.64	ng	0.00
23) Nitrobenzene-d5	10.06	82	299023	101.38	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	220247	130.72	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	736798	94.42	ng	0.00
78) Terphenyl-d14	20.73	244	1447025	101.14	ng	0.00
Target Compounds						
76) Benzidine	20.37	184	41806m	5.038	ng	Qvalue

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

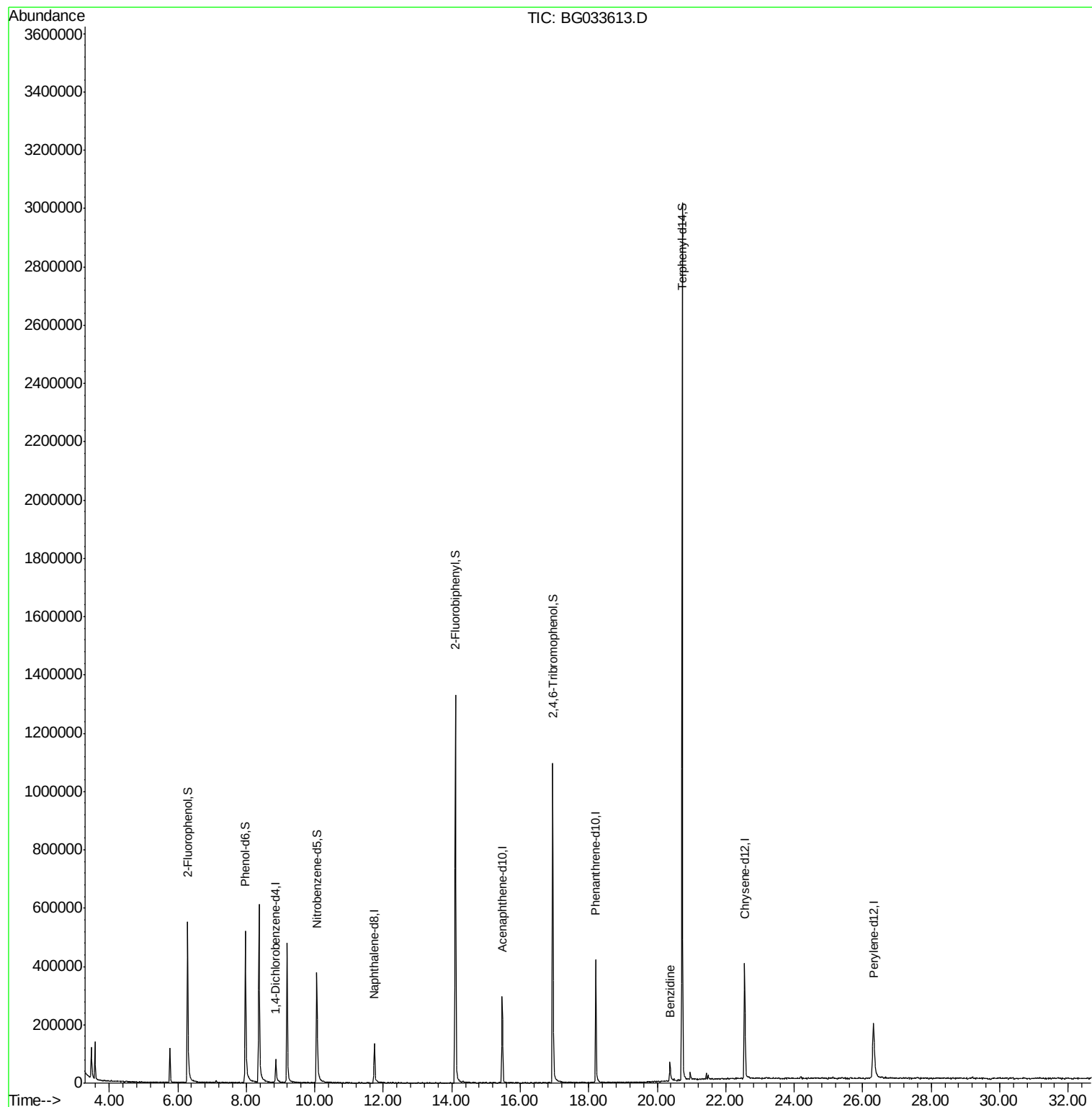
Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
Data File : BG033613.D
Acq On : 6 Apr 2018 4:21
Operator : SJ/JU
Sample : J2213-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

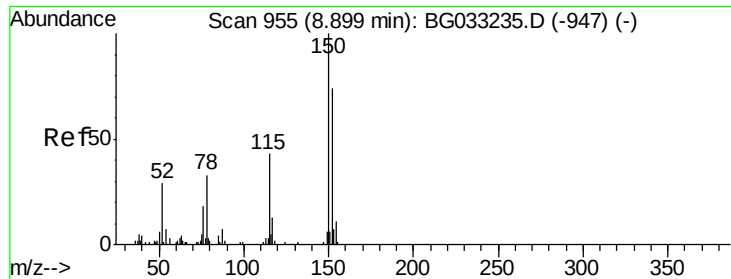
Instrument :
BNA_G
ClientSampleId :
DRUM-1

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#1

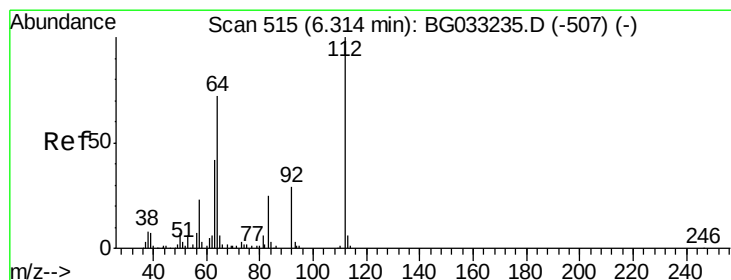
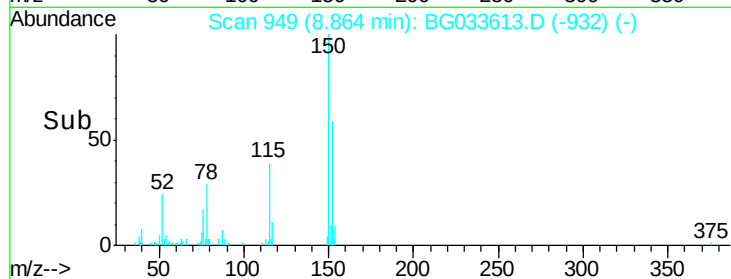
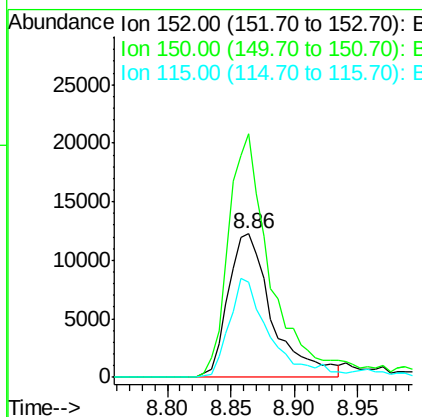
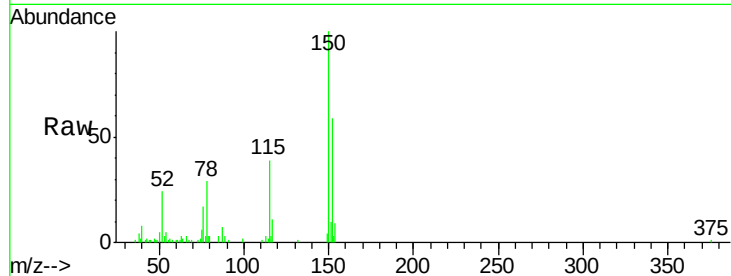
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. 0.00 min
Lab File: BG033613.D
Acq: 6 Apr 2018 4:21

Instrument :
BNA_G
ClientSampled :
DRUM-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	169.6	126.6	189.8
115	66.6	53.0	79.4

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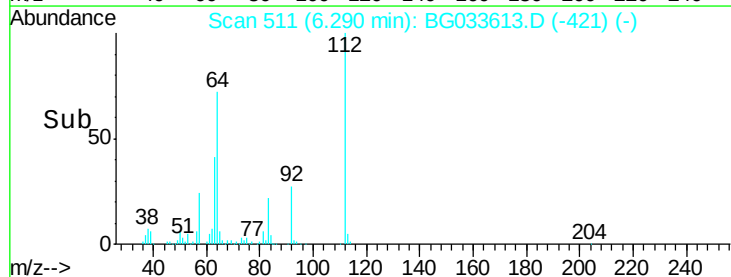
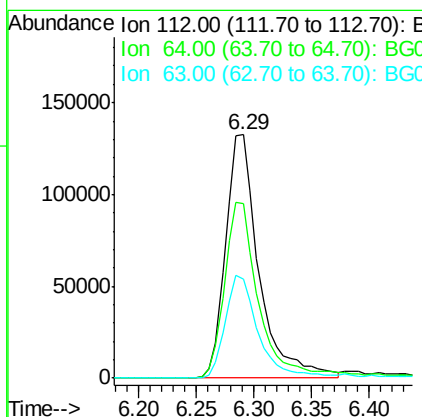
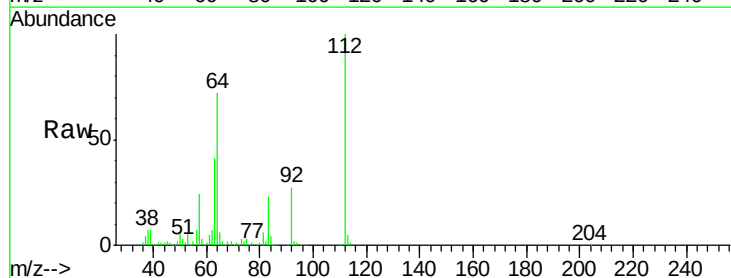
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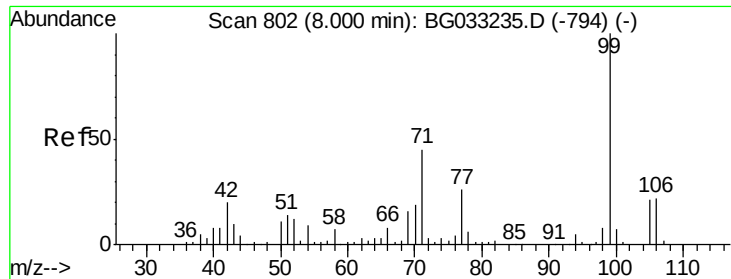


#5

2-Fluorophenol
Concen: 168.119 ng
RT: 6.29 min Scan# 511
Delta R.T. 0.00 min
Lab File: BG033613.D
Acq: 6 Apr 2018 4:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	56.3	84.5
63	40.7	30.1	45.1





#7

Phenol-d6

Concen: 138.644 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

Instrument :

BNA_G

ClientSampleId :

DRUM-1

Tot Ion: 99 Resp: 377595

Ion Ratio Lower Upper

99 100

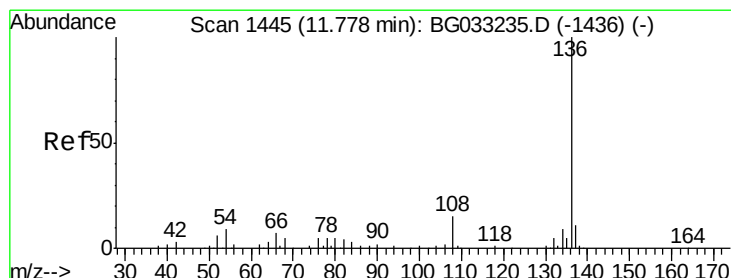
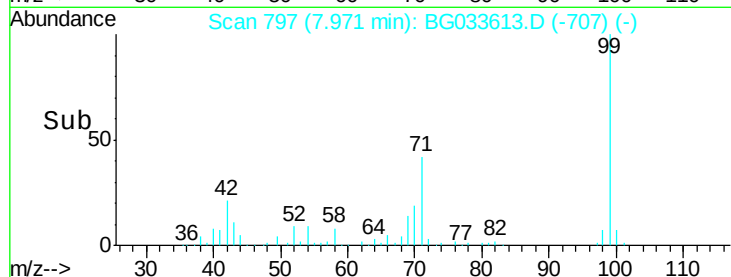
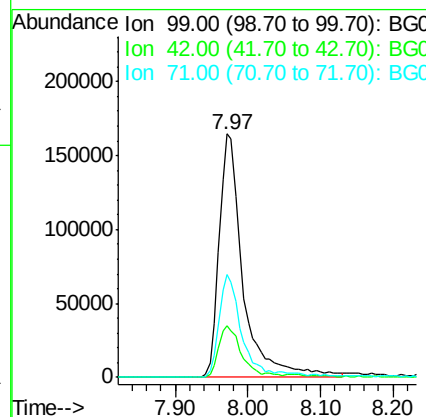
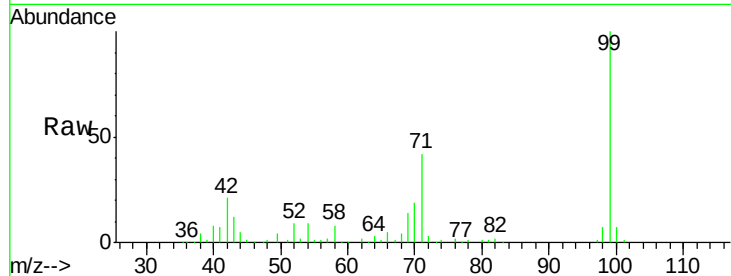
42 21.2 14.1 21.1#

71 42.3 26.1 39.1#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.74 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

Tgt Ion: 136 Resp: 135516

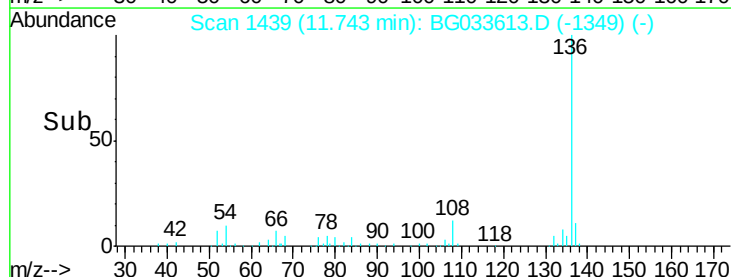
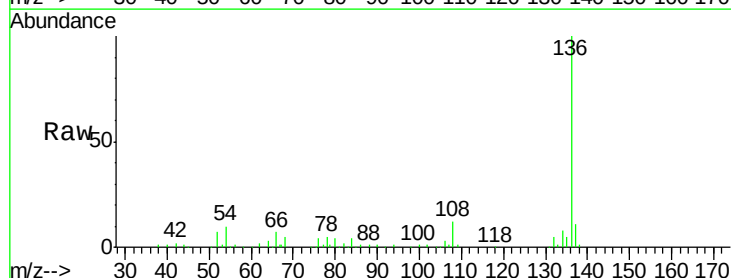
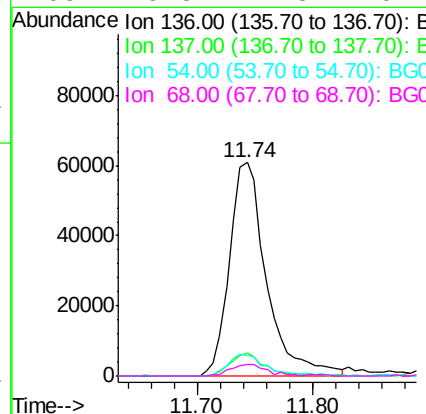
Ion Ratio Lower Upper

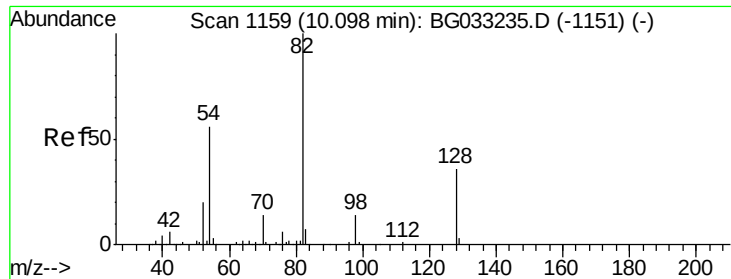
136 100

137 10.7 9.2 13.8

54 9.6 10.3 15.5#

68 5.3 4.5 6.7





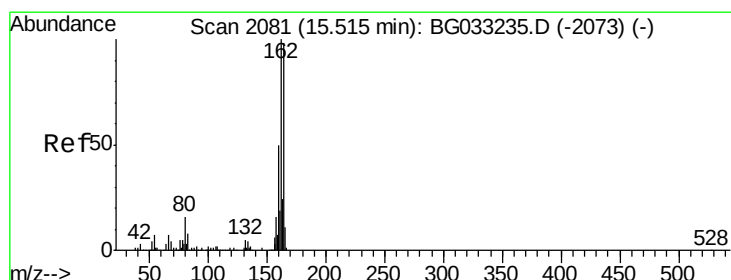
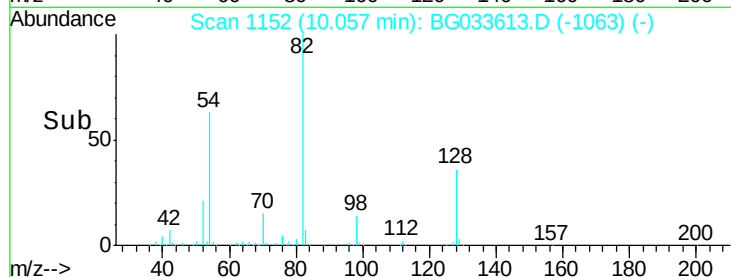
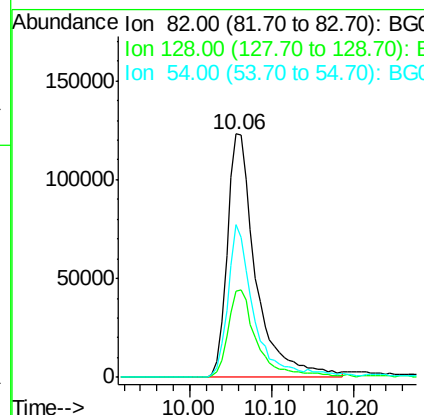
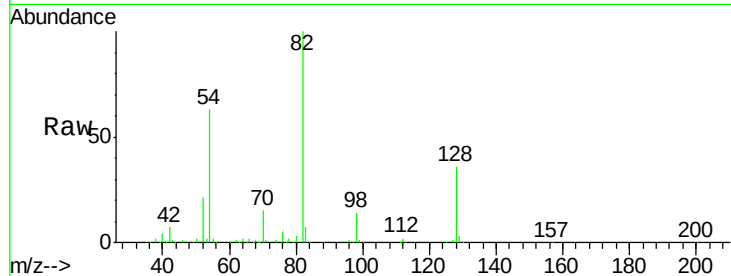
#23
Nitrobenzene-d5
Concen: 101.378 ng
RT: 10.06 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BG033613.D
Acq: 6 Apr 2018 4:21

Instrument :
BNA_G
ClientSampleId :
DRUM-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.5	29.7	44.5
54	62.8	43.1	64.7

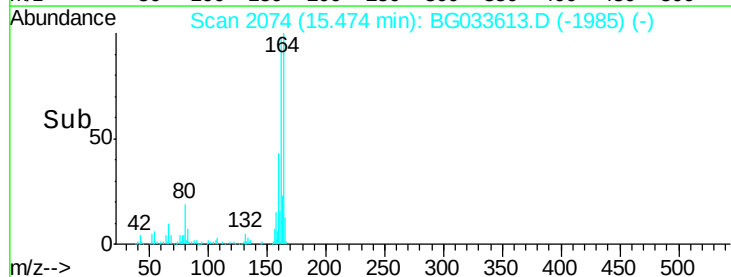
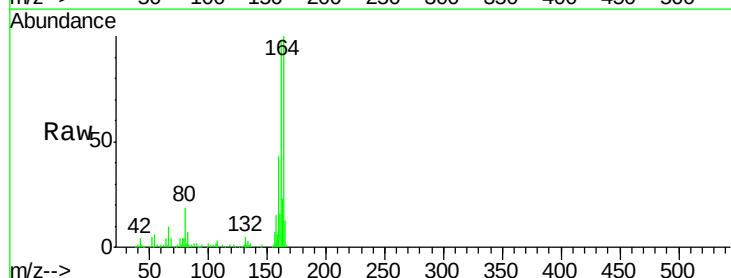
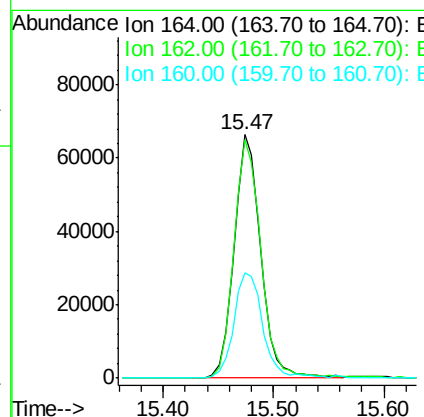
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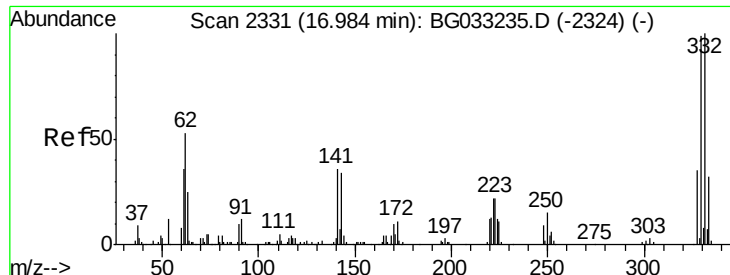
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BG033613.D
Acq: 6 Apr 2018 4:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.8	78.8	118.2
160	43.1	35.4	53.0





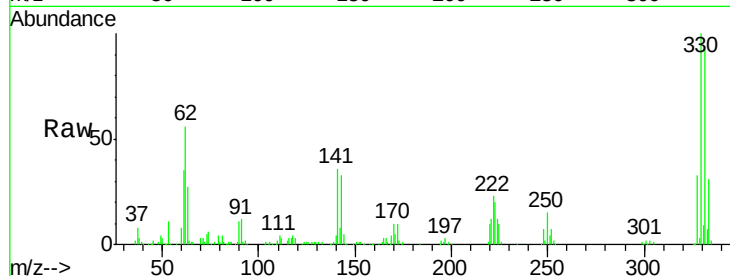
#41
 2,4,6-Tribromophenol
 Concen: 130.718 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: BG033613.D
 Acq: 6 Apr 2018 4:21

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	220247		
332	95.9	77.0	115.6	
141	39.6	25.2	37.8	

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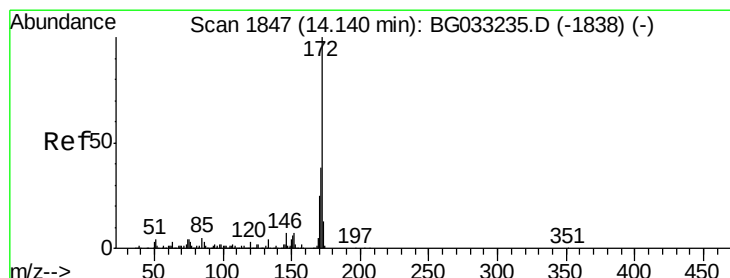
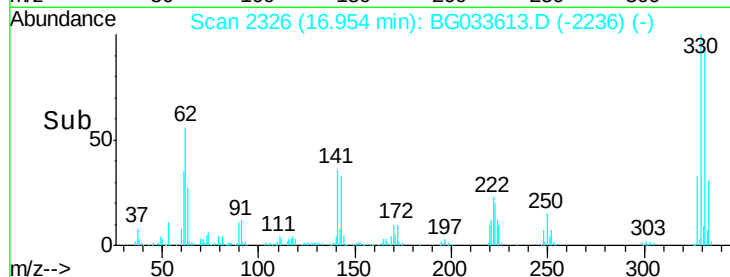
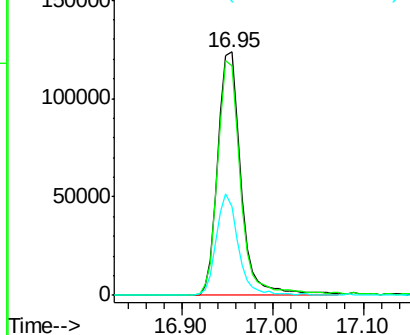


Abundance

Ion 329.80 (329.50 to 330.50): E

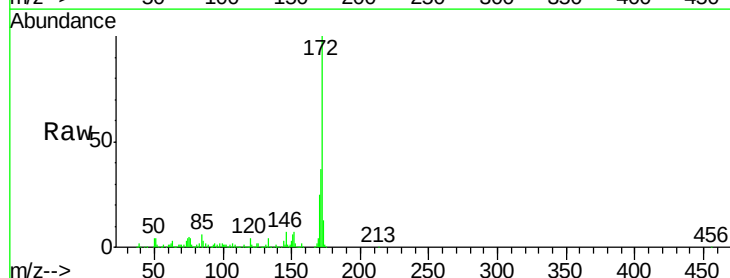
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 94.417 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG033613.D
 Acq: 6 Apr 2018 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	736798		
171	36.5	30.0	45.0	
170	24.9	19.5	29.3	

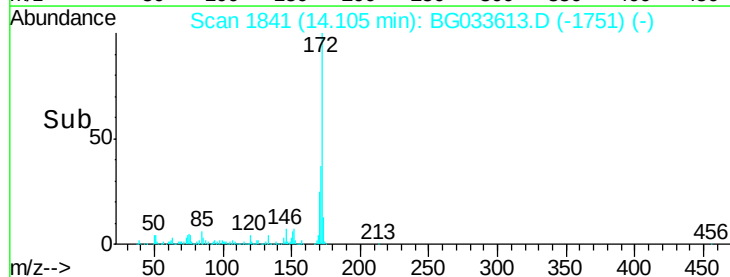
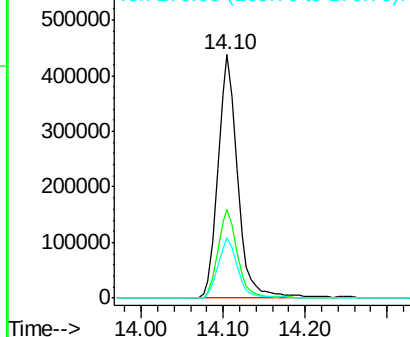


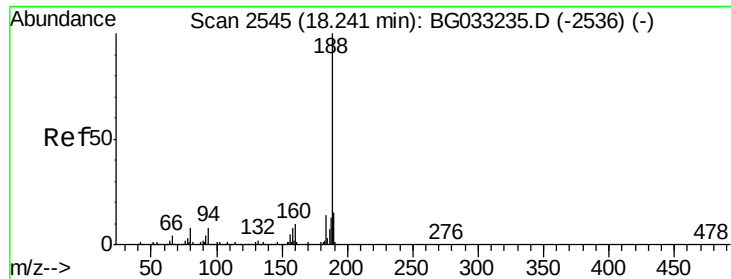
Abundance

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: 20.000 ng

RT: 18.21 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

Instrument :

BNA_G

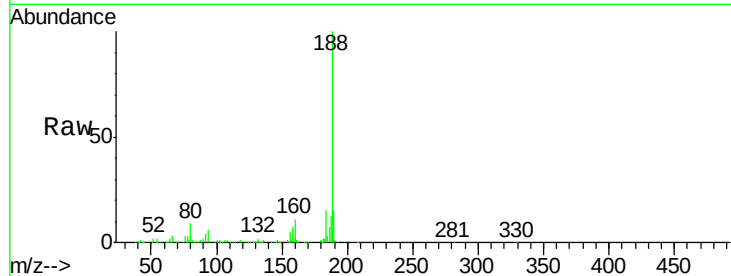
ClientSampleId :

DRUM-1

Tot Ion:	188	Resp:	296229
Ion Ratio	Lower	Upper	
188	100		
94	6.1	6.9	10.3#
80	8.9	7.7	11.5

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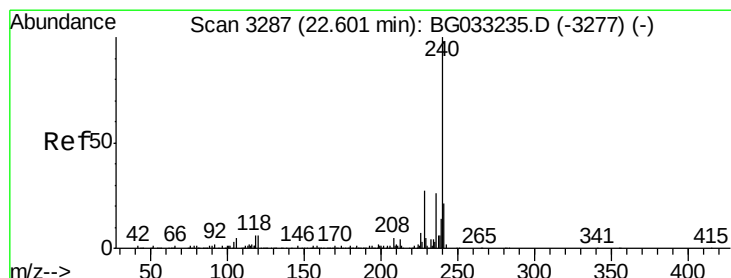
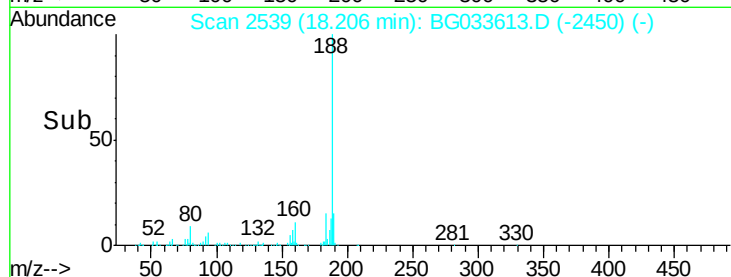
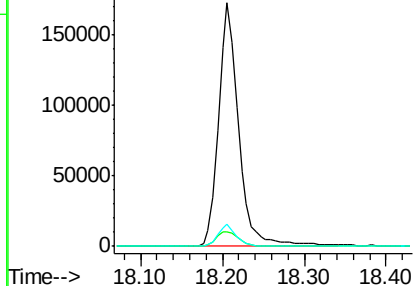
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033613.D

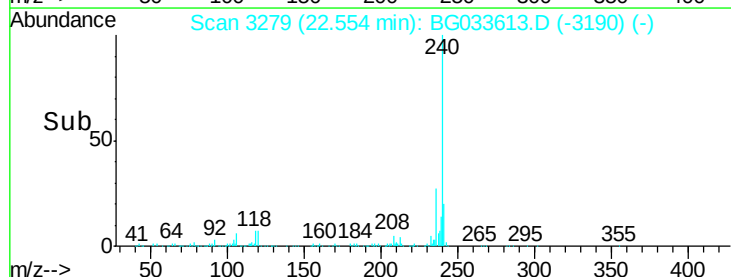
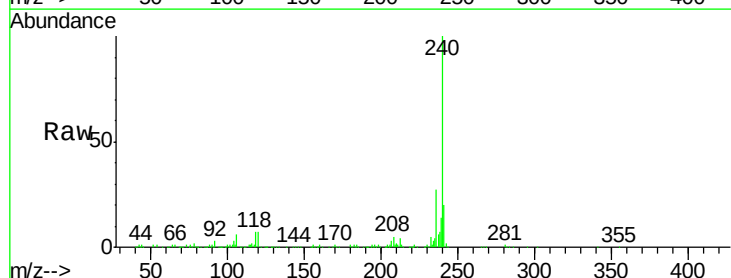
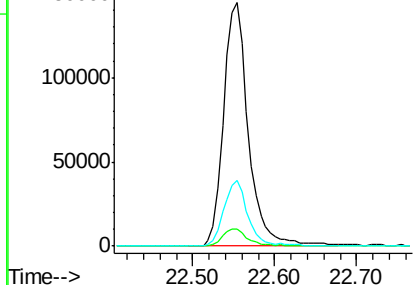
Acq: 6 Apr 2018 4:21

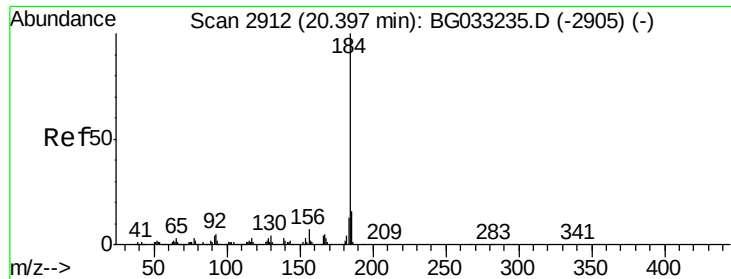
Tgt Ion:	240	Resp:	305971
Ion Ratio	Lower	Upper	
240	100		
120	7.0	6.8	10.2
236	27.0	20.9	31.3

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: 5.038 ng/mL

RT: 20.37 min Scan# 2908

Delta R.T. 0.01 min

Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

Instrument :

BNA_G

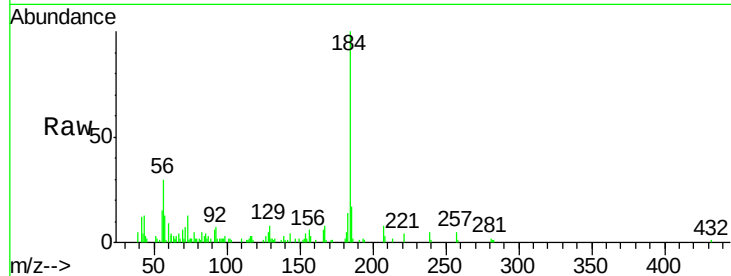
ClientSampleId :

DRUM-1

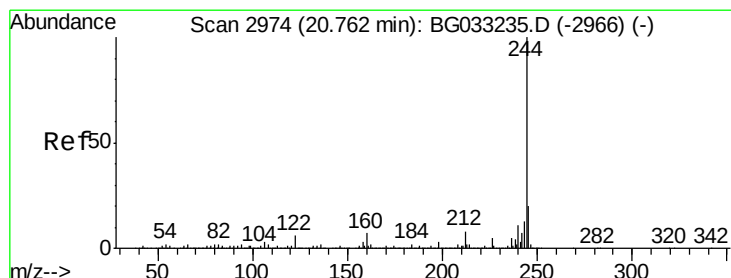
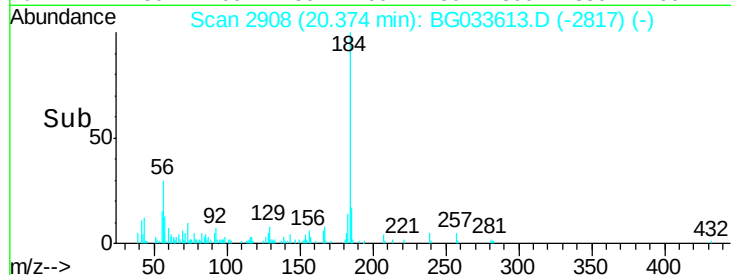
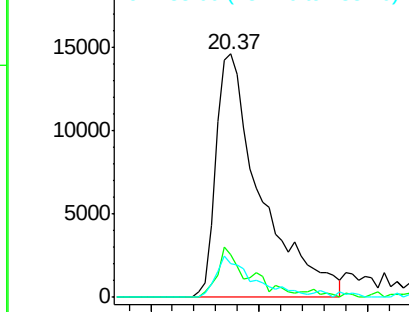
Tot Ion:	184	Resp:	41806
Ion Ratio	Lower	Upper	
184	100		
185	17.4	11.1	16.7#
183	13.9	10.6	16.0

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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: 101.141 ng/mL

RT: 20.73 min Scan# 2968

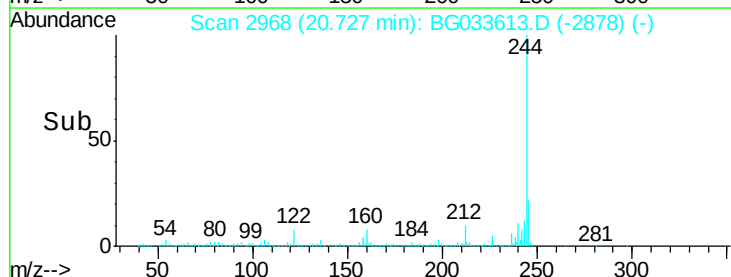
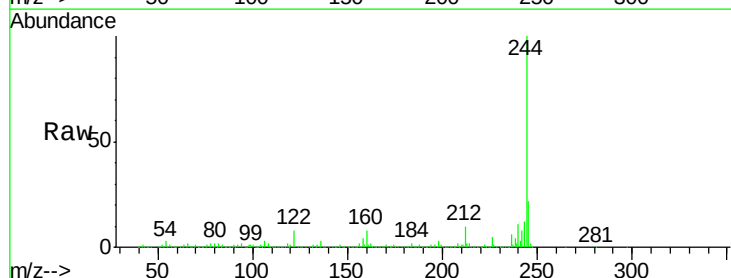
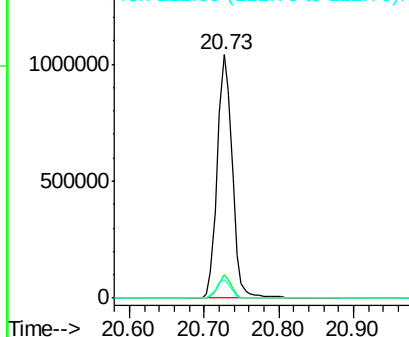
Delta R.T. 0.00 min

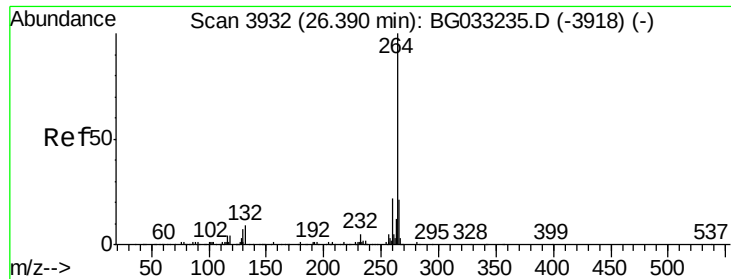
Lab File: BG033613.D

Acq: 6 Apr 2018 4:21

Tgt Ion:	244	Resp:	1447025
Ion Ratio	Lower	Upper	
244	100		
212	9.5	5.8	8.8#
122	7.6	7.0	10.4

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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.31 min Scan# 3919
 Delta R.T. -0.01 min
 Lab File: BG033613.D
 Acq: 6 Apr 2018 4:21

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1

Tot Ion:	264	Resp:	301695
Ion Ratio		Lower	Upper
264	100		
260	22.8	17.4	26.0
265	19.7	17.7	26.5

Manual Integrations
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