

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\
 Data File : BG035422.D
 Acq On : 26 Jun 2018 22:47
 Operator : JU/SJ
 Sample : J3570-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20180374-AMENDED-COMPOSITE-

Quant Time: Jun 27 03:13:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

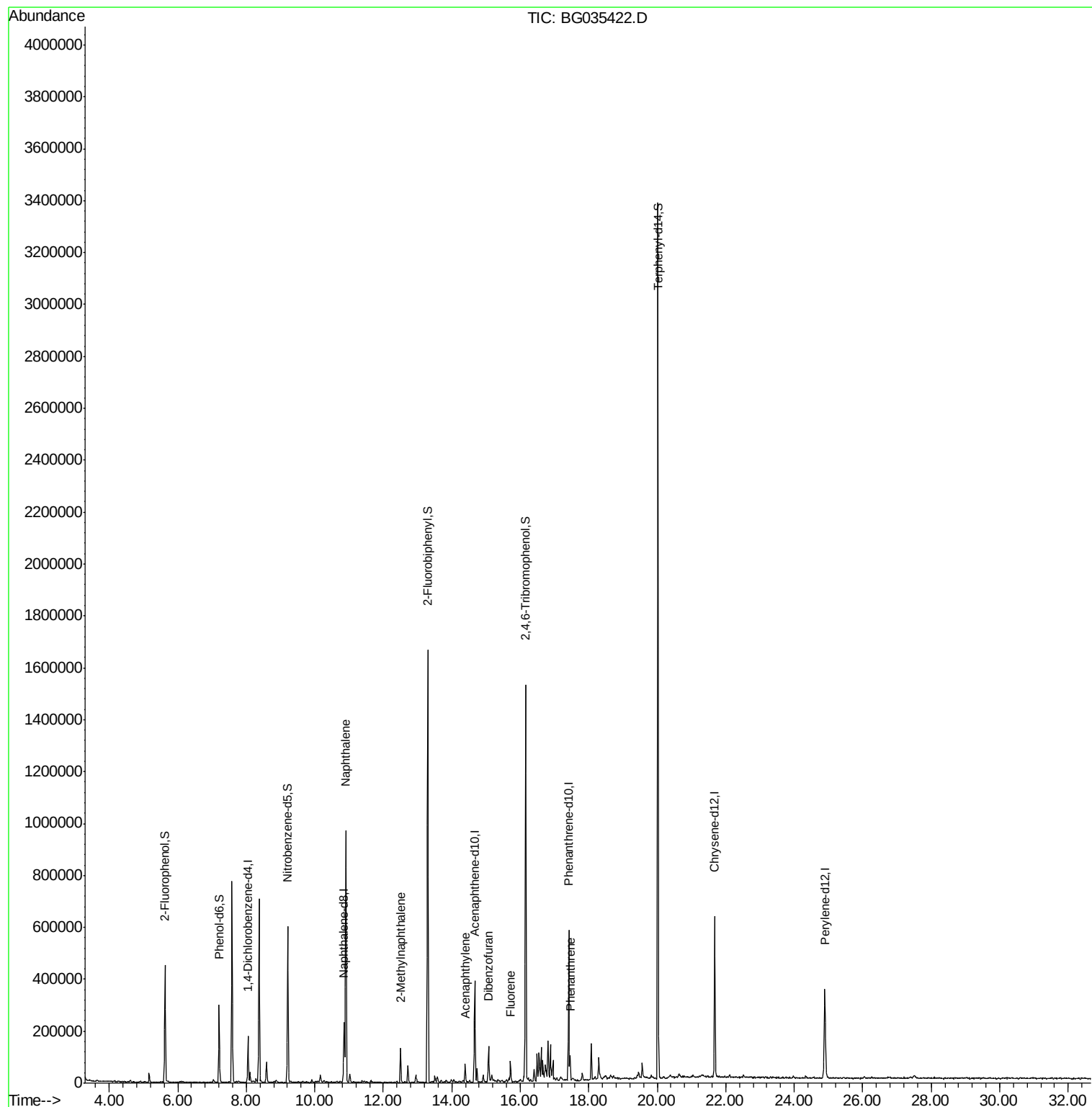
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	50646	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	191264	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	138696	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	359792	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	390985	20.00	ng	-0.04
86) Perylene-d12	24.89	264	382015	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	200829	66.92	ng	-0.02
7) Phenol-d6	7.21	99	180747	40.81	ng	-0.02
23) Nitrobenzene-d5	9.21	82	398222	98.97	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	282431	159.07	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	892012	83.61	ng	-0.03
78) Terphenyl-d14	20.02	244	1607191	86.10	ng	-0.02
Target Compounds						
31) Naphthalene	10.91	128	792827	79.794	ng	98
37) 2-Methylnaphthalene	12.50	142	58739	7.798	ng	94
48) Acenaphthylene	14.39	152	51007	3.608	ng	98
54) Dibenzofuran	15.07	168	49528	3.580	ng	# 96
57) Fluorene	15.72	166	35515	3.071	ng	# 94
70) Phenanthrene	17.45	178	62384	3.413	ng	97

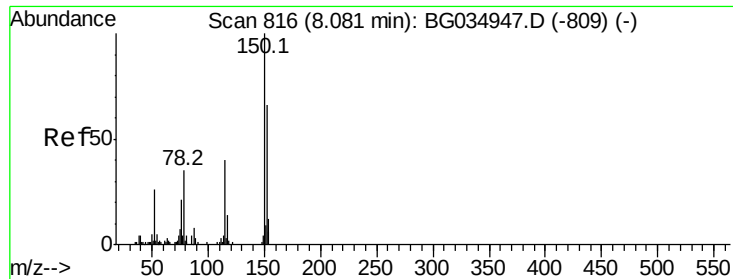
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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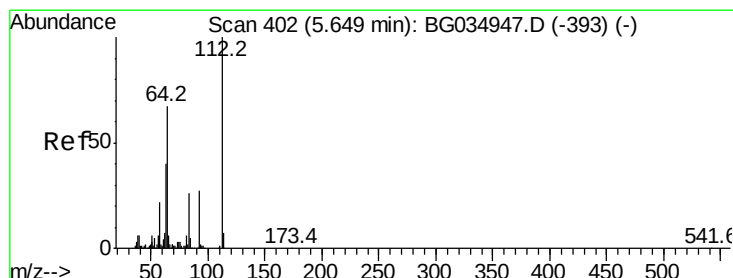
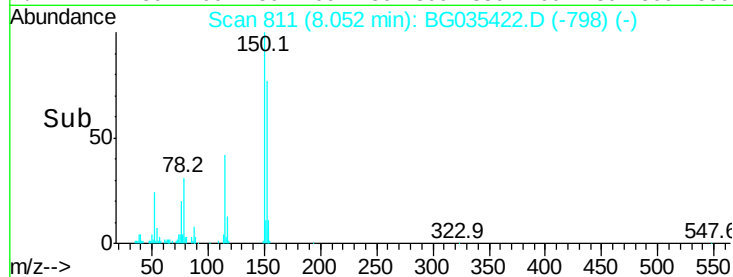
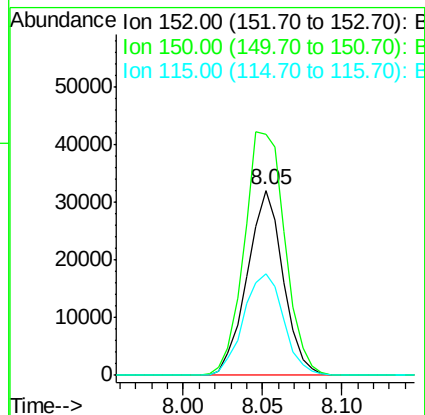
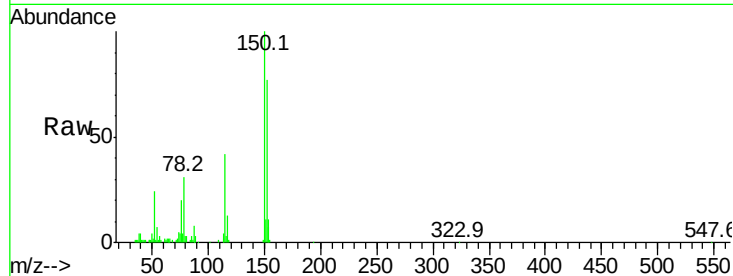


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035422.D
Acq: 26 Jun 2018 22:47

Instrument :
BNA_G
ClientSampleId :
20180374-AMENDED-COMPOSITE-

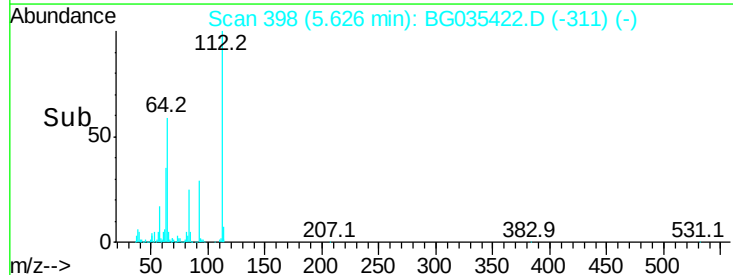
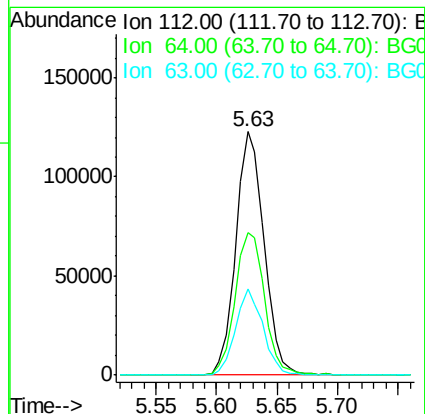
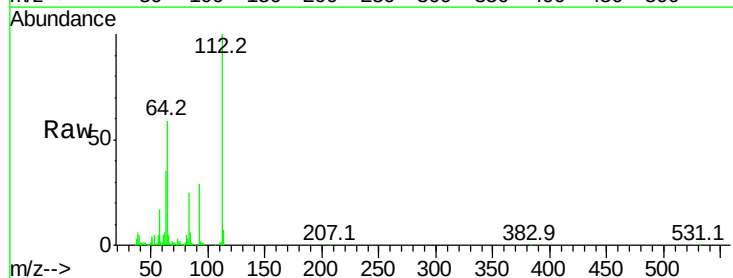
Tot Ion:152 Resp: 50646
Ion Ratio Lower Upper
152 100
150 130.5 126.6 189.8
115 54.7 53.0 79.4

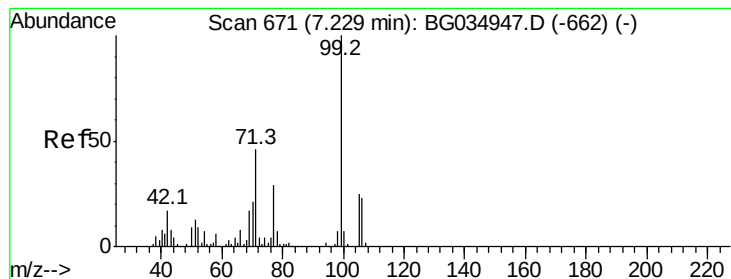


#5

2-Fluorophenol
Concen: 66.920 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.02 min
Lab File: BG035422.D
Acq: 26 Jun 2018 22:47

Tgt Ion:112 Resp: 200829
Ion Ratio Lower Upper
112 100
64 58.7 56.3 84.5
63 35.3 30.1 45.1





#7

Phenol-d6

Concen: 40.806 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BG035422.D

Acq: 26 Jun 2018 22:47

Instrument :

BNA_G

ClientSampleId :

20180374-AMENDED-COMPOSITE-

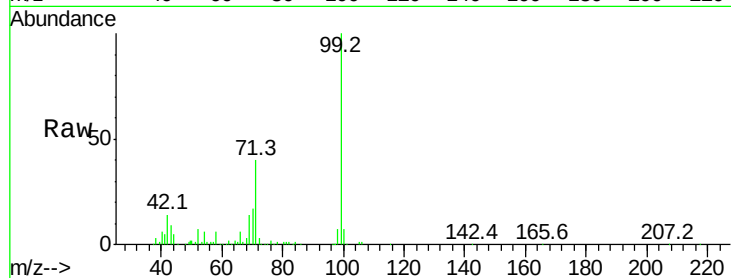
Tot Ion: 99 Resp: 180747

Ion Ratio Lower Upper

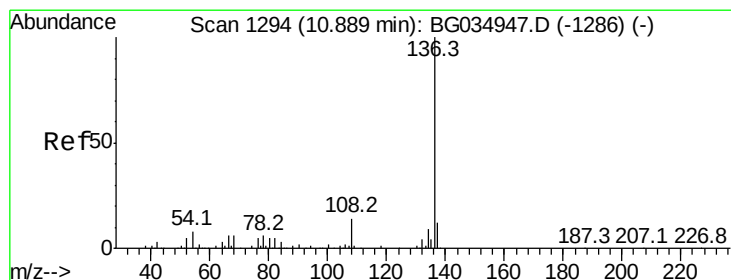
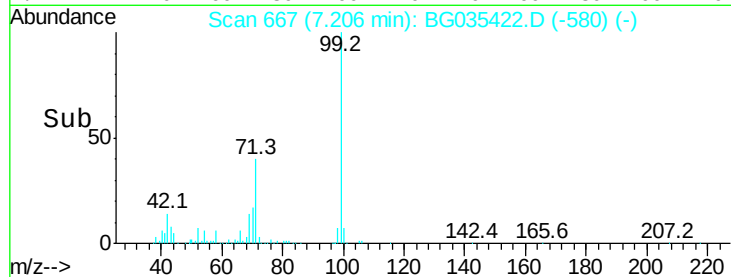
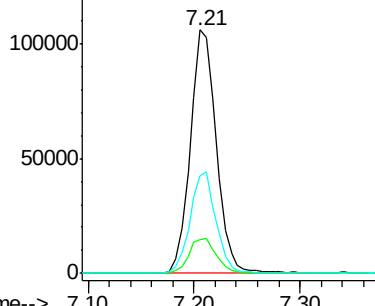
99 100

42 13.7 14.1 21.1#

71 40.3 26.1 39.1#



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: 20.000 ng

RT: 10.85 min Scan# 1288

Delta R.T. -0.03 min

Lab File: BG035422.D

Acq: 26 Jun 2018 22:47

Tgt Ion: 136 Resp: 191264

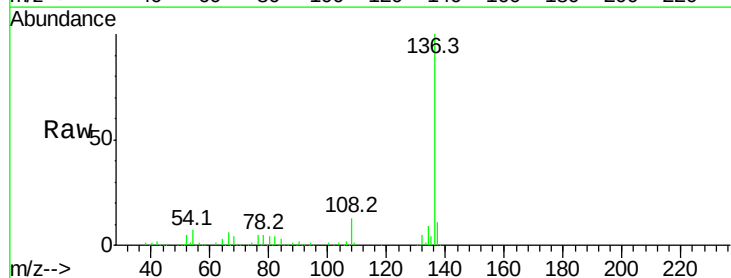
Ion Ratio Lower Upper

136 100

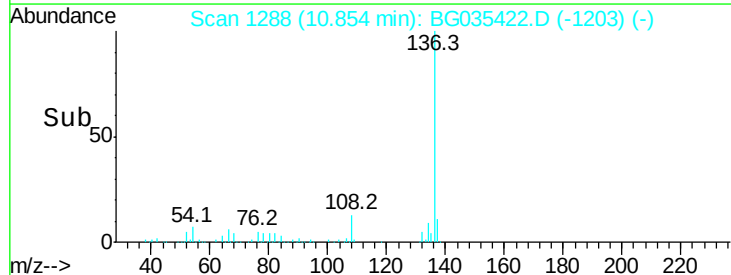
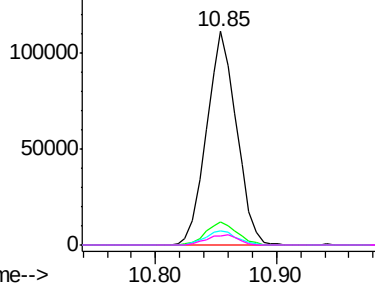
137 10.6 9.2 13.8

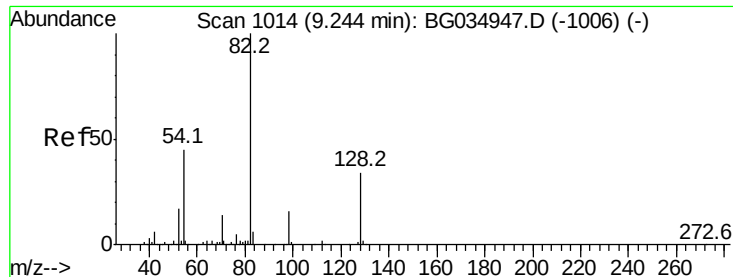
54 6.7 10.3 15.5#

68 4.1 4.5 6.7#



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: 98.969 ng

RT: 9.21 min Scan# 1008

Delta R.T. -0.03 min

Lab File: BG035422.D

Acq: 26 Jun 2018 22:47

Instrument :

BNA_G

ClientSampleId :

20180374-AMENDED-COMPOSITE-

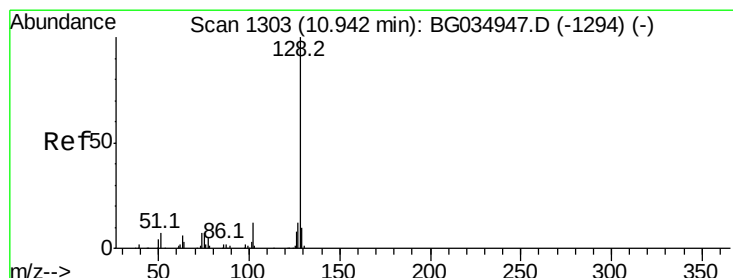
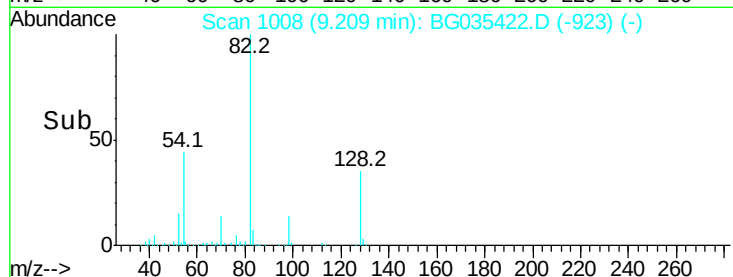
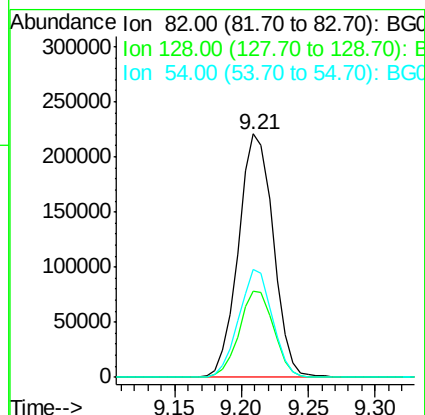
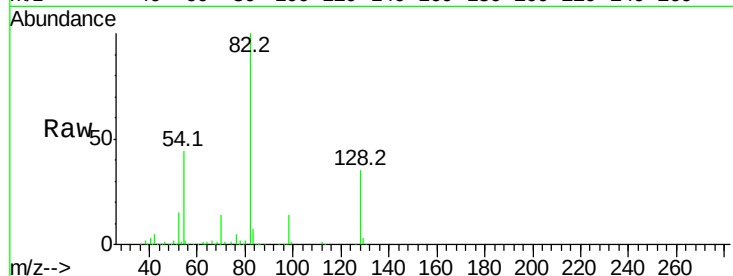
Tot Ion: 82 Resp: 398222

Ion Ratio Lower Upper

82 100

128 35.2 29.7 44.5

54 44.1 43.1 64.7



#31

Naphthalene

Concen: 79.794 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BG035422.D

Acq: 26 Jun 2018 22:47

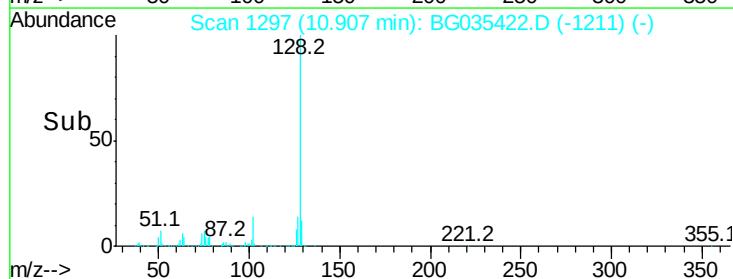
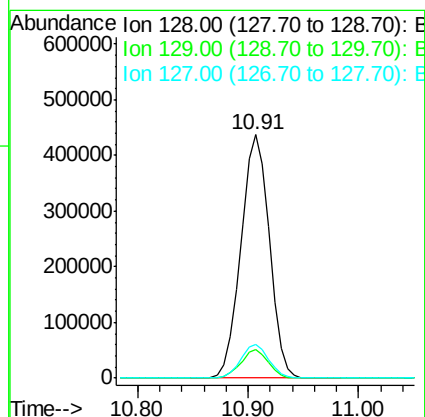
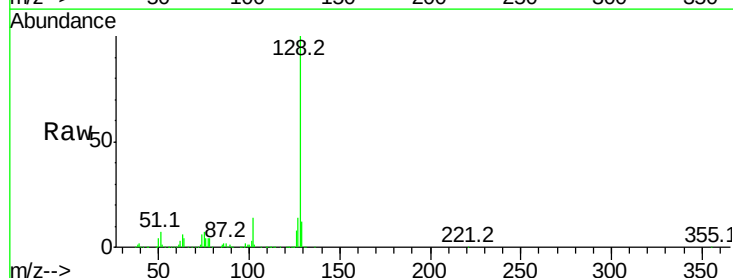
Tgt Ion: 128 Resp: 792827

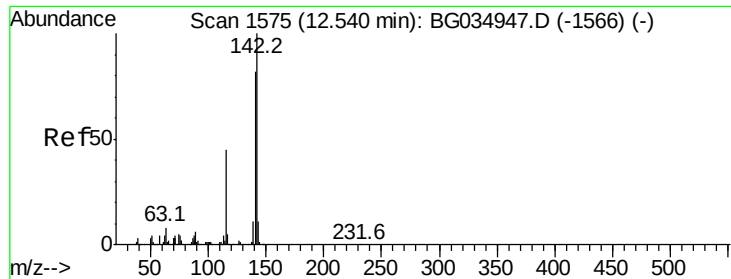
Ion Ratio Lower Upper

128 100

129 11.9 8.6 12.8

127 13.9 11.6 17.4

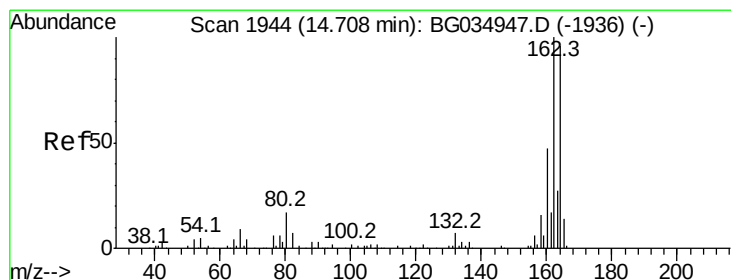
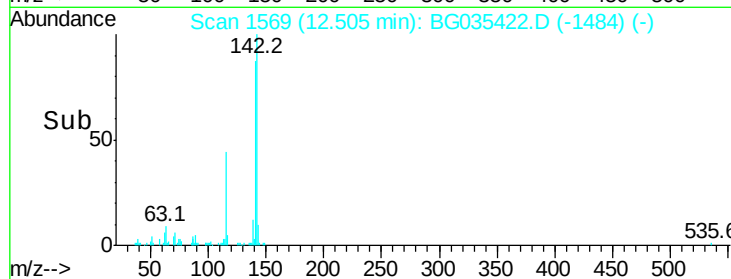
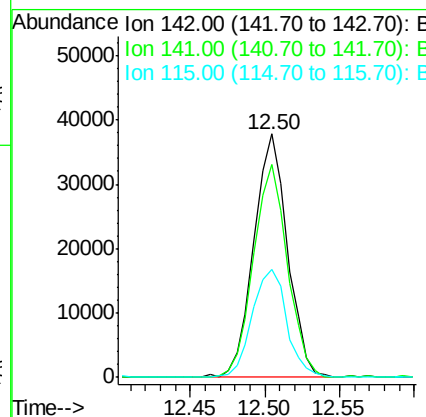
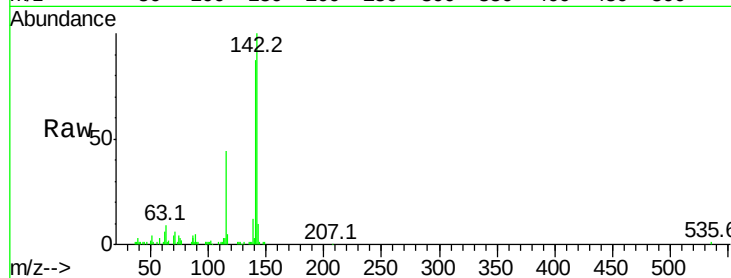




#37
2-Methylnaphthalene
Concen: 7.798 ng
RT: 12.50 min Scan# 1569
Delta R.T. -0.03 min
Lab File: BG035422.D
Acq: 26 Jun 2018 22:47

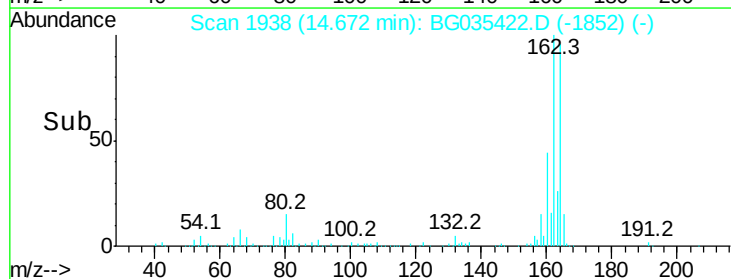
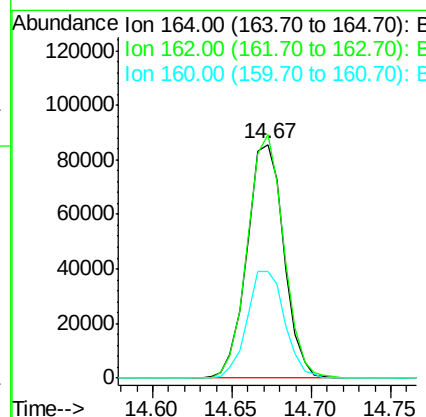
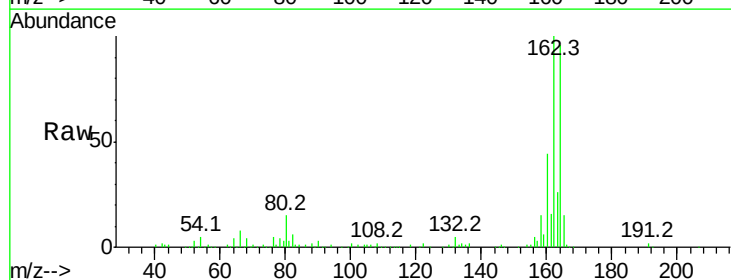
Instrument :
BNA_G
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20180374-AMENDED-COMPOSITE-

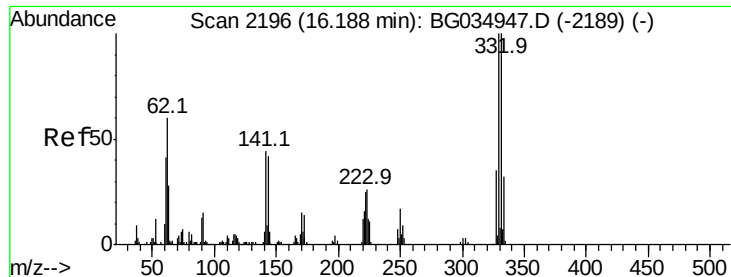
Tot Ion:142 Resp: 58739
Ion Ratio Lower Upper
142 100
141 87.4 67.1 100.7
115 44.4 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.02 min
Lab File: BG035422.D
Acq: 26 Jun 2018 22:47

Tgt Ion:164 Resp: 138696
Ion Ratio Lower Upper
164 100
162 104.1 78.8 118.2
160 45.8 35.4 53.0

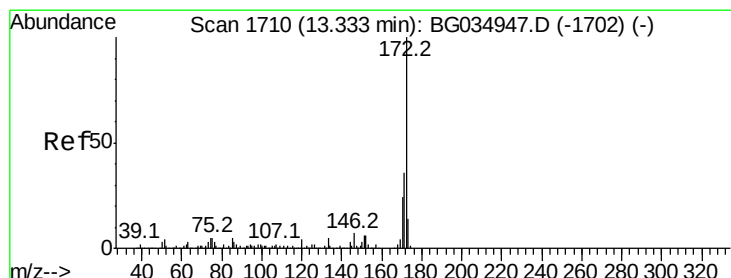
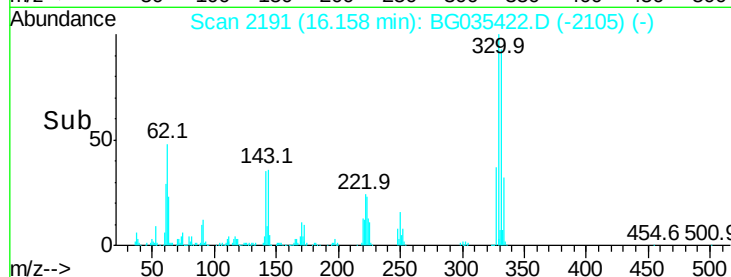
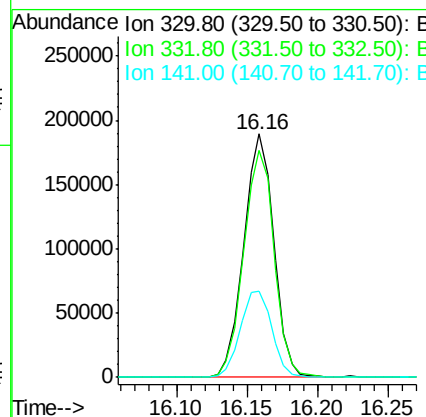
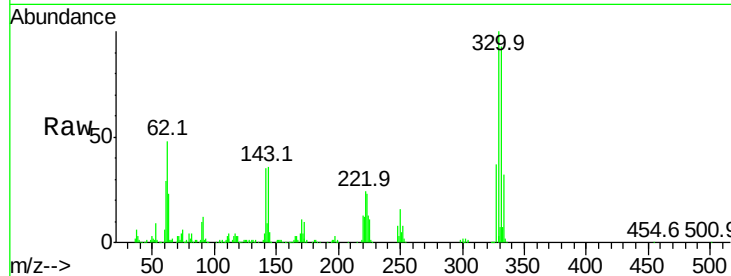




#41
2,4,6-Tribromophenol
Concen: 159.073 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BG035422.D
Acq: 26 Jun 2018 22:47

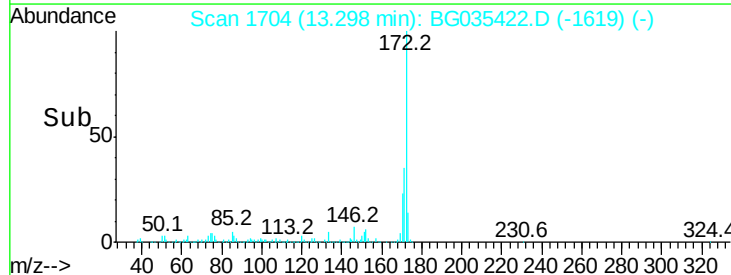
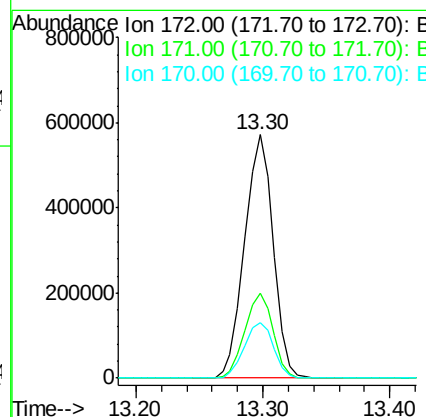
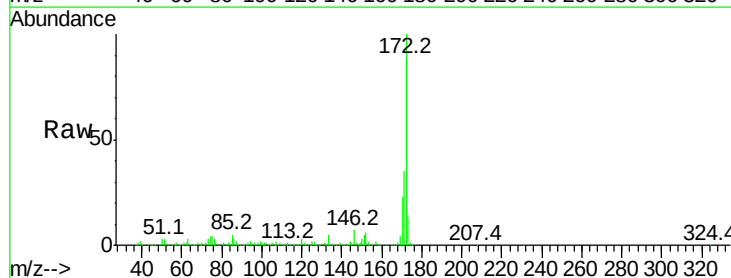
Instrument :
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ClientSampleId :
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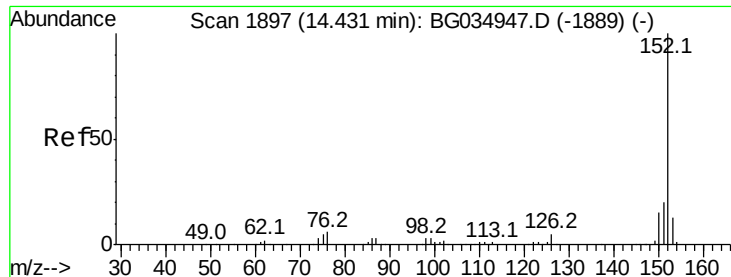
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	37.4	25.2	37.8



#44
2-Fluorobiphenyl
Concen: 83.608 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG035422.D
Acq: 26 Jun 2018 22:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.0	45.0
170	22.6	19.5	29.3





#48

Acenaphthylene

Concen: 3.608 ng

RT: 14.39 min Scan# 1890

Delta R.T. -0.03 min

Lab File: BG035422.D

Acq: 26 Jun 2018 22:47

Instrument :

BNA_G

ClientSampleId :

20180374-AMENDED-COMPOSITE-

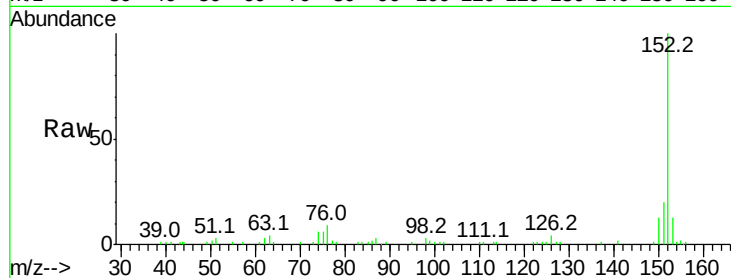
Tot Ion:152 Resp: 51007

Ion Ratio Lower Upper

152 100

151 20.2 17.2 25.8

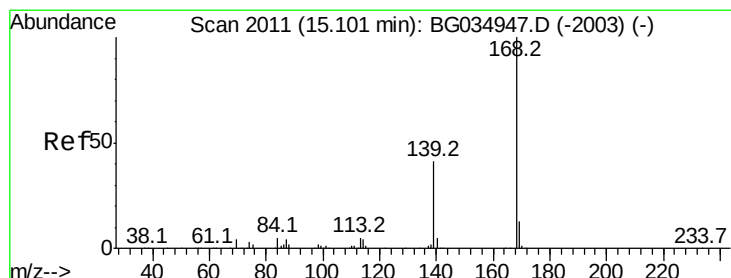
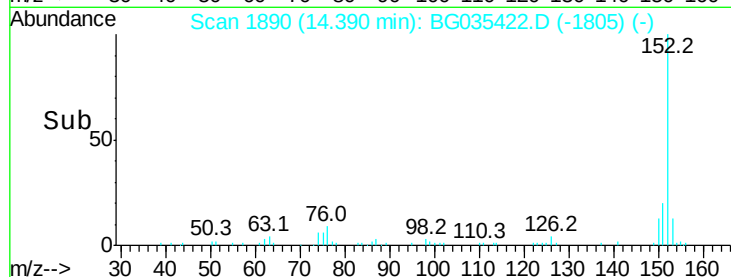
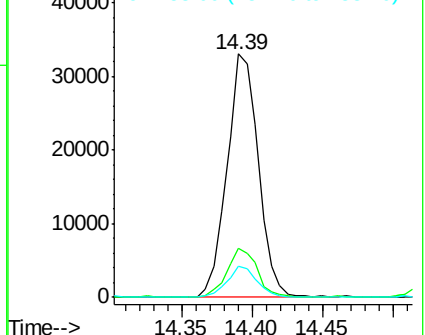
153 12.6 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#54

Dibenzofuran

Concen: 3.580 ng

RT: 15.07 min Scan# 2005

Delta R.T. -0.03 min

Lab File: BG035422.D

Acq: 26 Jun 2018 22:47

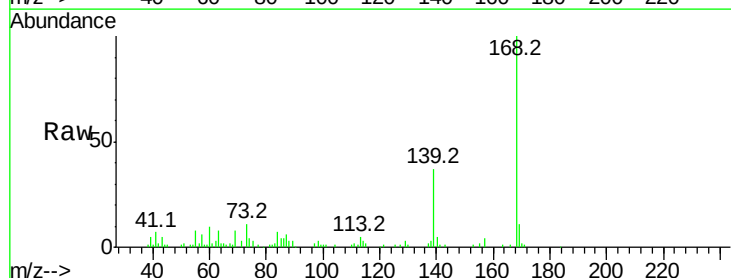
Tgt Ion:168 Resp: 49528

Ion Ratio Lower Upper

168 100

139 37.1 28.6 43.0

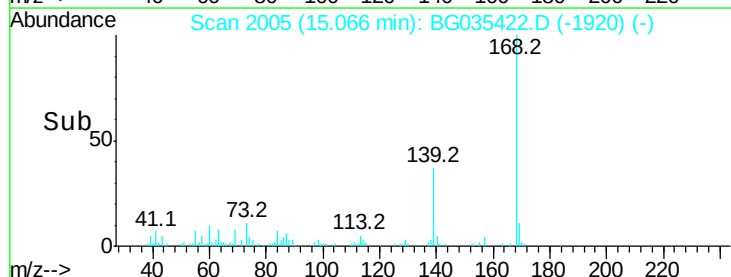
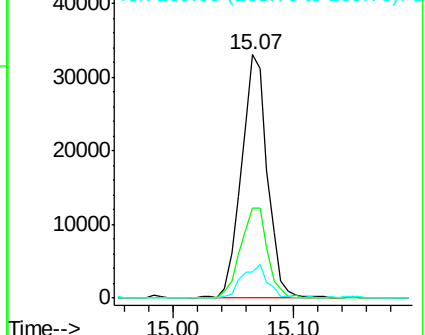
169 10.6 11.2 16.8#

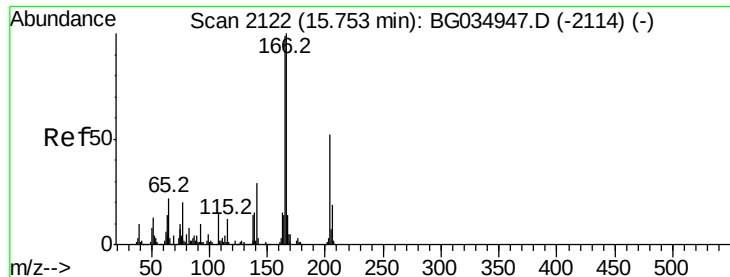


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

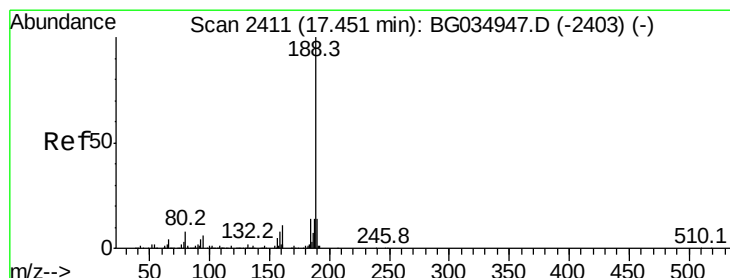
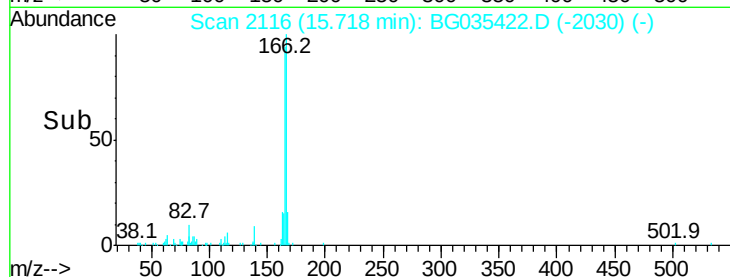
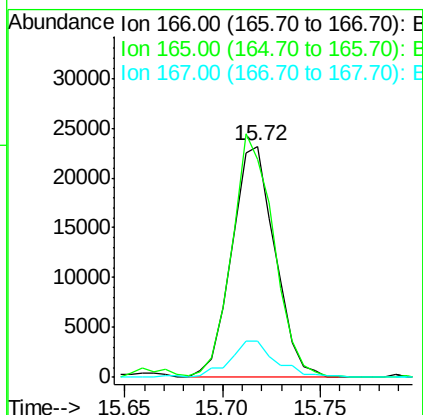
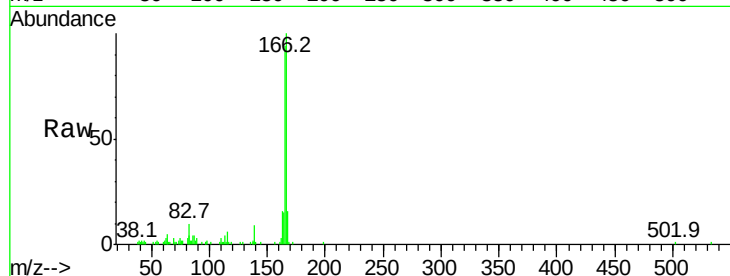




#57
 Fluorene
 Concen: 3.071 ng
 RT: 15.72 min Scan# 2116
 Delta R.T. -0.02 min
 Lab File: BG035422.D
 Acq: 26 Jun 2018 22:47

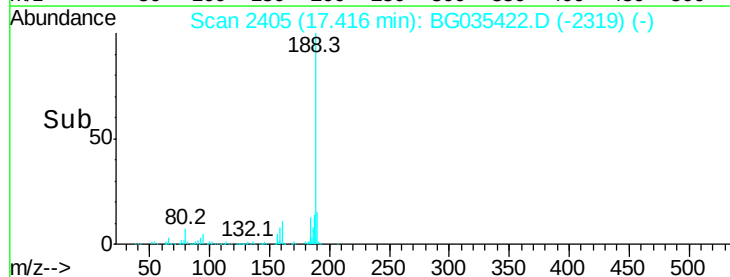
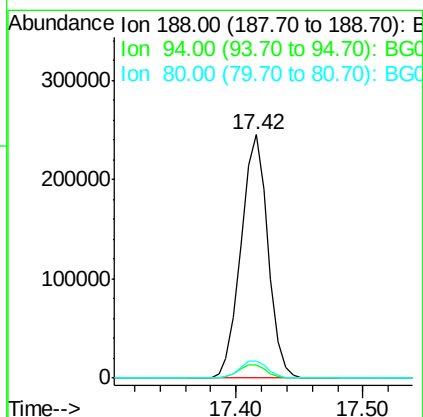
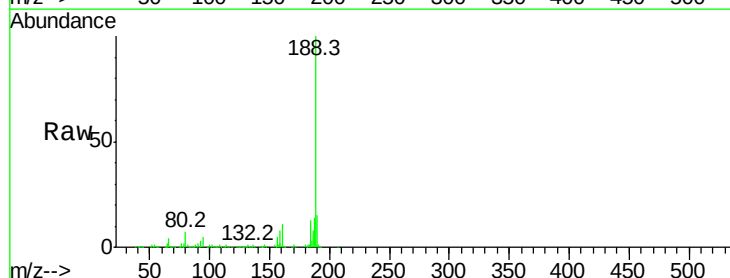
Instrument :
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 20180374-AMENDED-COMPOSITE-

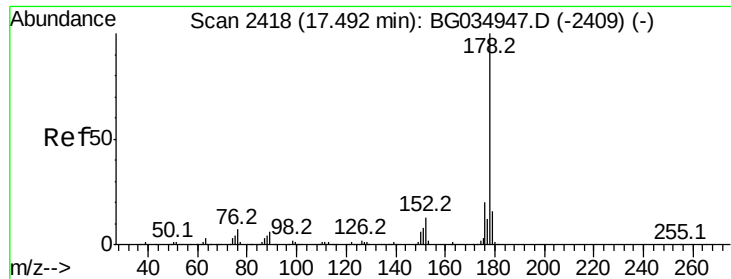
Tot Ion:166 Resp: 35515
 Ion Ratio Lower Upper
 166 100
 165 94.4 80.6 121.0
 167 15.6 10.4 15.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035422.D
 Acq: 26 Jun 2018 22:47

Tgt Ion:188 Resp: 359792
 Ion Ratio Lower Upper
 188 100
 94 5.3 6.9 10.3#
 80 7.2 7.7 11.5#

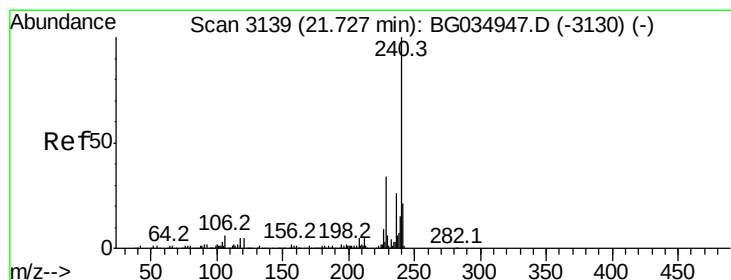
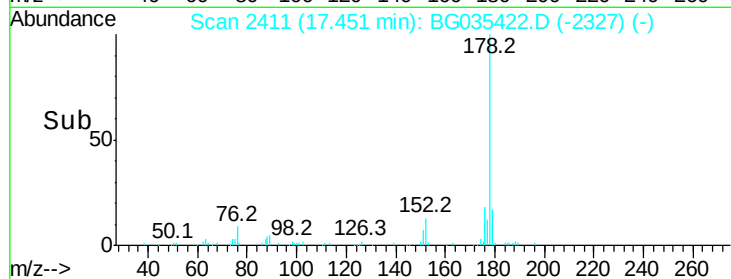
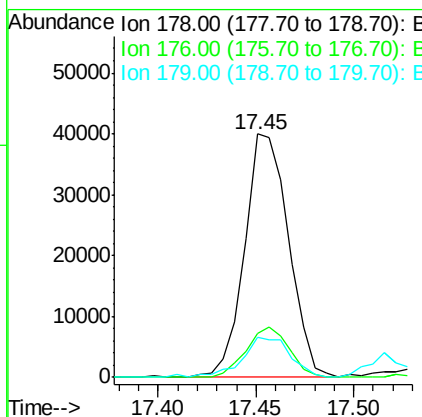
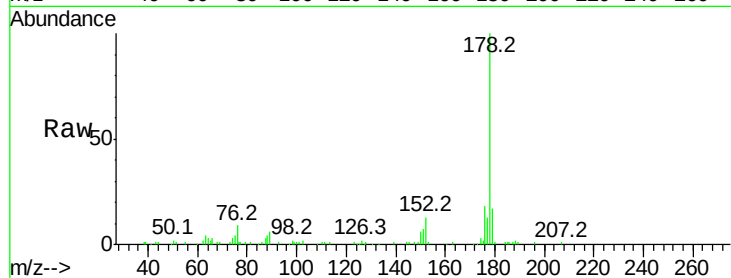




#70
Phenanthrene
Concen: 3.413 ng
RT: 17.45 min Scan# 2411
Delta R.T. -0.04 min
Lab File: BG035422.D
Acq: 26 Jun 2018 22:47

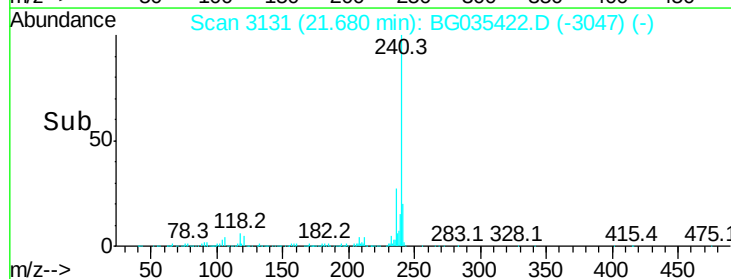
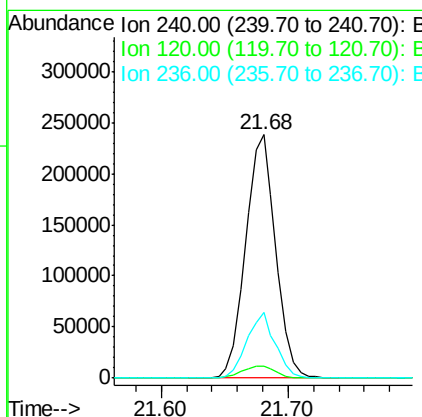
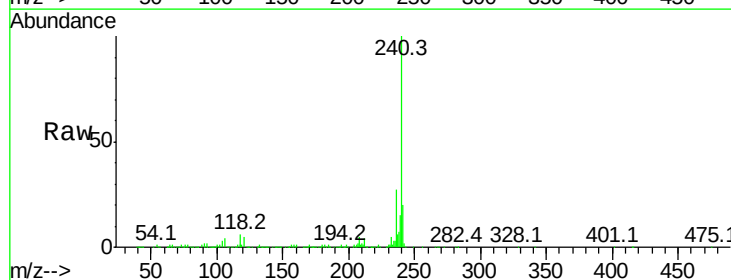
Instrument :
BNA_G
ClientSampleId :
20180374-AMENDED-COMPOSITE-

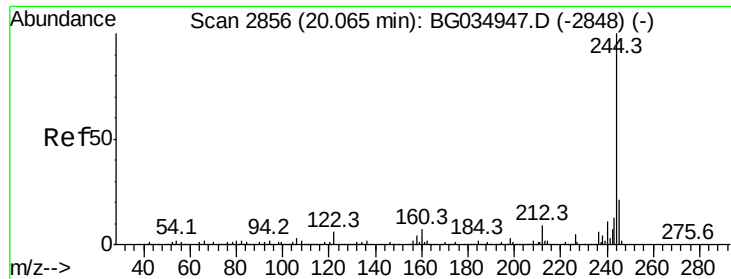
Tot Ion:178 Resp: 62384
Ion Ratio Lower Upper
178 100
176 18.1 15.7 23.5
179 16.5 12.5 18.7



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035422.D
Acq: 26 Jun 2018 22:47

Tgt Ion:240 Resp: 390985
Ion Ratio Lower Upper
240 100
120 5.0 6.8 10.2#
236 26.8 20.9 31.3





#78

Terphenyl-d14

Concen: 86.104 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035422.D

Acq: 26 Jun 2018 22:47

Instrument :

BNA_G

ClientSampleId :

20180374-AMENDED-COMPOSITE-

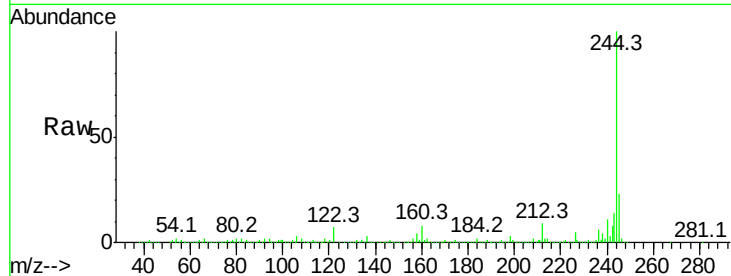
Tot Ion:244 Resp: 1607191

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

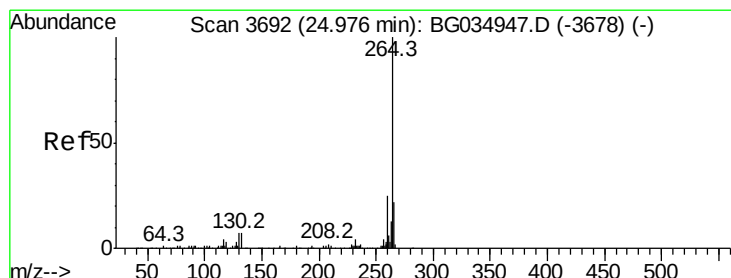
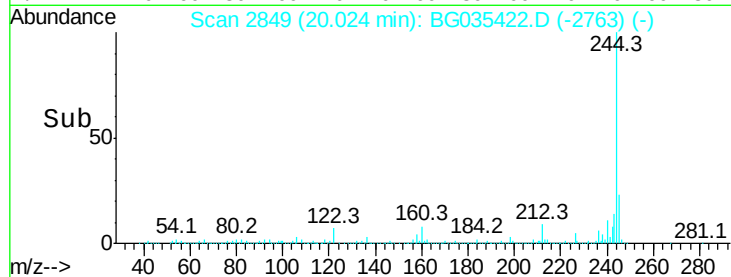
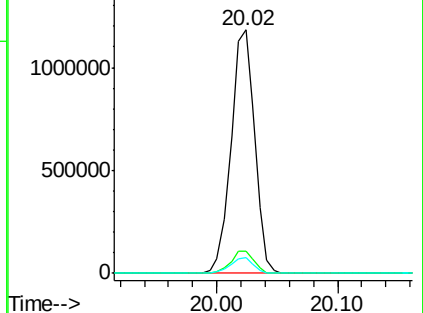
122 6.6 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3678

Delta R.T. -0.06 min

Lab File: BG035422.D

Acq: 26 Jun 2018 22:47

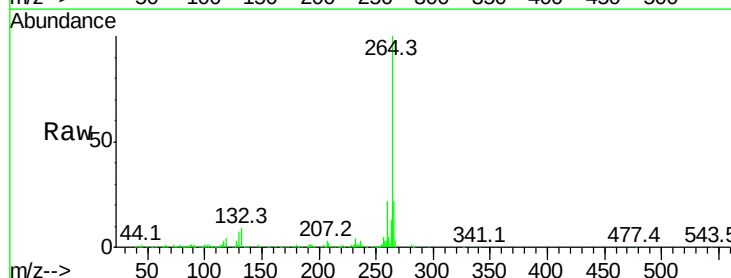
Tgt Ion:264 Resp: 382015

Ion Ratio Lower Upper

264 100

260 22.0 17.4 26.0

265 21.7 17.7 26.5



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

