

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034029.D
 Acq On : 27 Apr 2018 2:29
 Operator : SJ/JU
 Sample : J2571-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 042418-SIDI-E-D-B

Quant Time: Apr 27 06:07:51 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

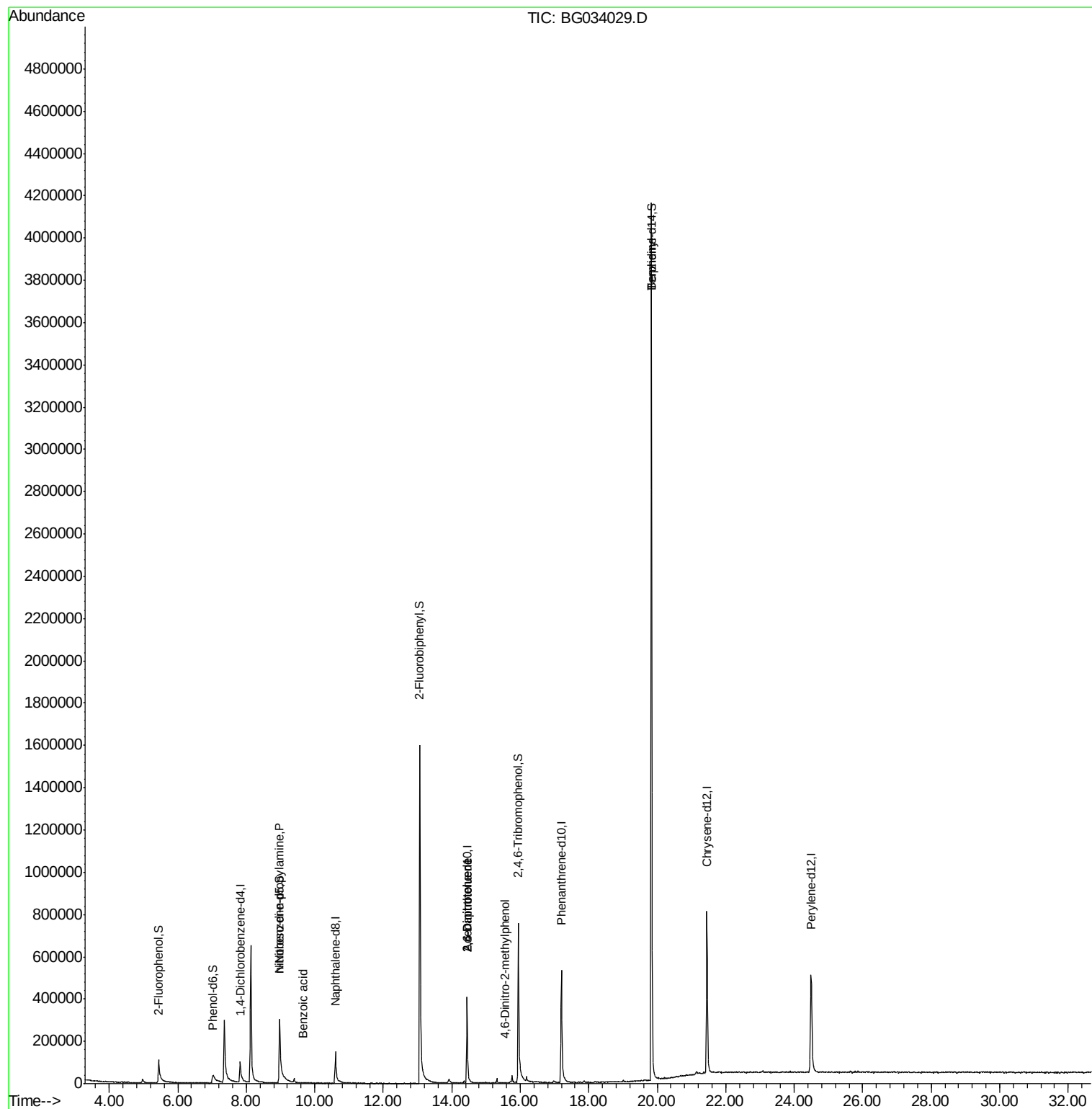
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	47965	20.00	ng	-0.02
21) Naphthalene-d8	10.60	136	224301	20.00	ng	-0.02
38) Acenaphthene-d10	14.45	164	179941	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	513064	20.00	ng	-0.02
75) Chrysene-d12	21.45	240	561542	20.00	ng	-0.04
86) Perylene-d12	24.49	264	572595	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	115408	38.41	ng	0.00
7) Phenol-d6	7.02	99	70392	16.06	ng	0.02
23) Nitrobenzene-d5	8.97	82	358543	90.97	ng	-0.02
41) 2,4,6-Tribromophenol	15.94	330	234057	111.49	ng	-0.02
44) 2-Fluorobiphenyl	13.07	172	1191585	97.28	ng	-0.03
78) Terphenyl-d14	19.83	244	2347698	93.93	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.97	70	35950	9.625	ng	# 78
32) Benzoic acid	9.65	122	55	5.100	ng	# 1
50) 2,6-Dinitrotoluene	14.45	165	22667	7.557	ng	# 20
56) 2,4-Dinitrotoluene	14.45	165	22667	5.683	ng	# 17
64) 4,6-Dinitro-2-methylphenol	15.55	198	70	6.514	ng	# 29
76) Benzidine	19.83	184	34591	2.281	ng	# 93

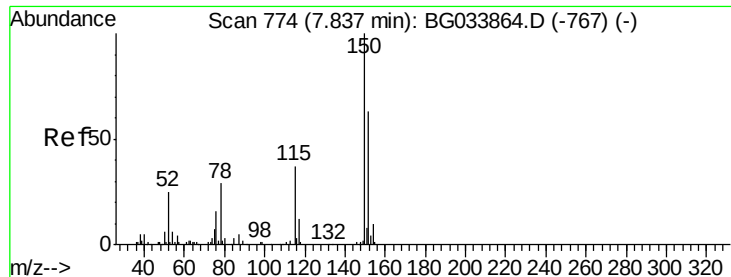
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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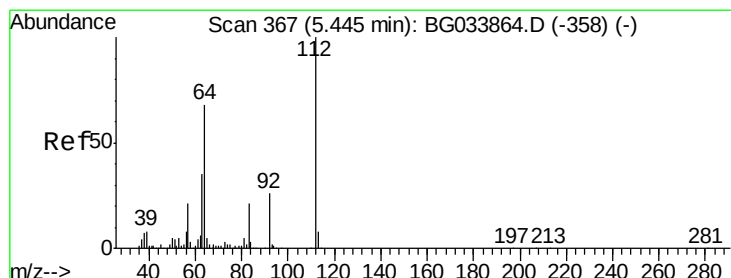
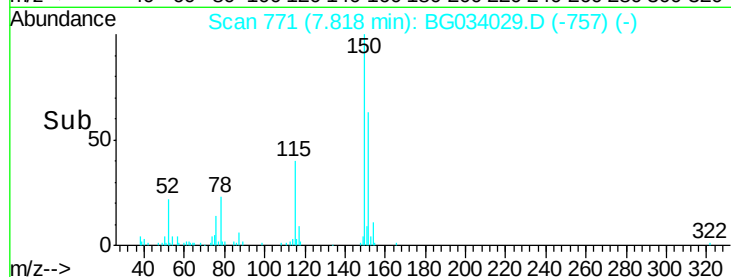
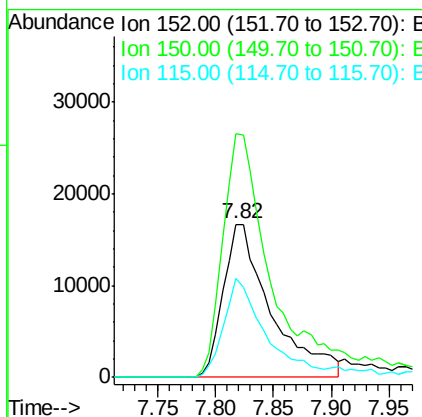
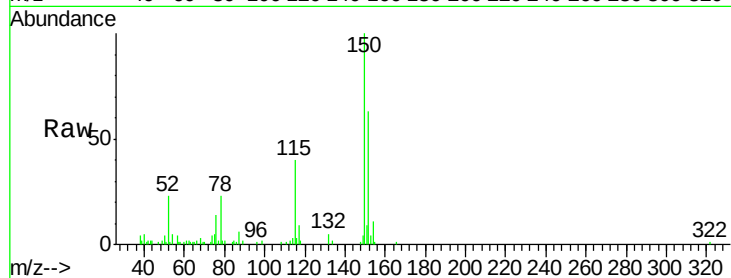


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 771
Delta R.T. -0.02 min
Lab File: BG034029.D
Acq: 27 Apr 2018 2:29

Instrument :
BNA_G
ClientSampleId :
042418-SIDI-E-D-B

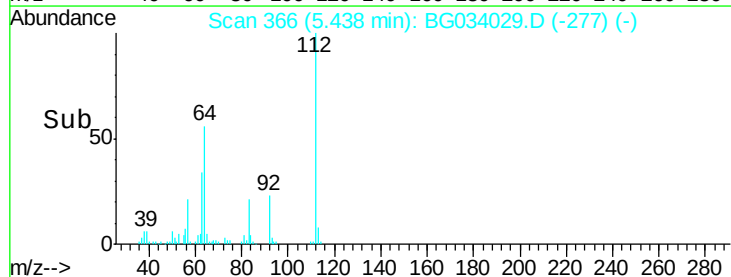
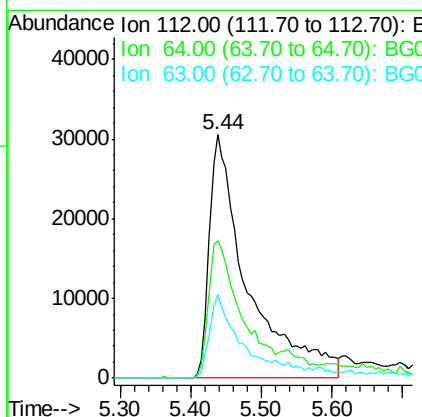
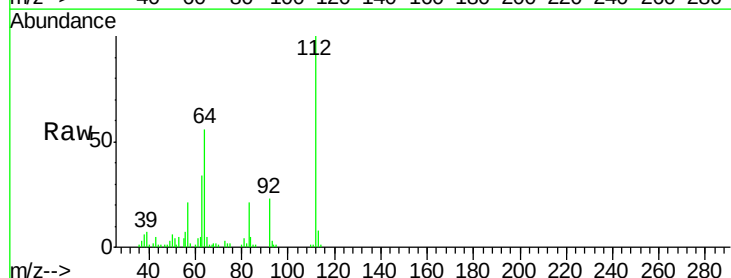
Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.3	126.6	189.8
115	64.4	53.0	79.4

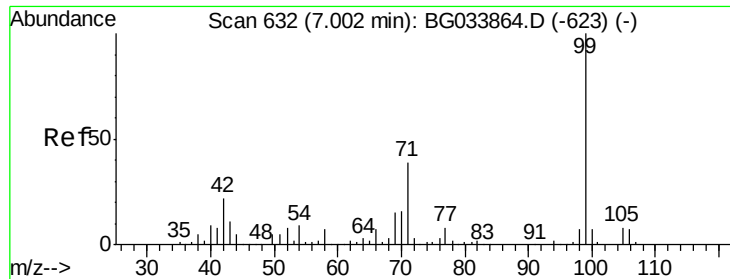


#5

2-Fluorophenol
Concen: 38.414 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG034029.D
Acq: 27 Apr 2018 2:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	56.3	84.5#
63	34.4	30.1	45.1





#7

Phenol-d6

Concen: 16.064 ng

RT: 7.02 min Scan# 635

Delta R.T. 0.02 min

Lab File: BG034029.D

Acq: 27 Apr 2018 2:29

Instrument :

BNA_G

ClientSampleId :

042418-SIDI-E-D-B

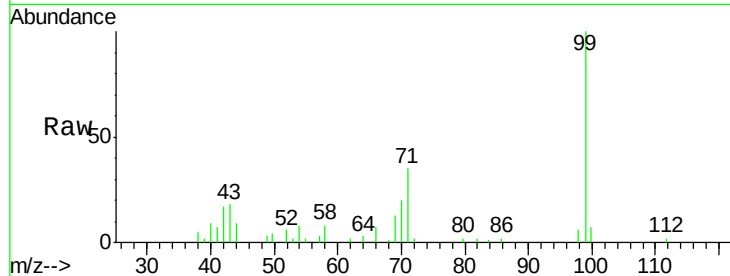
Tgt Ion: 99 Resp: 70392

Ion Ratio Lower Upper

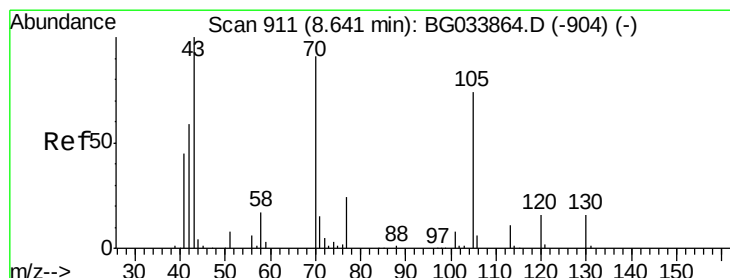
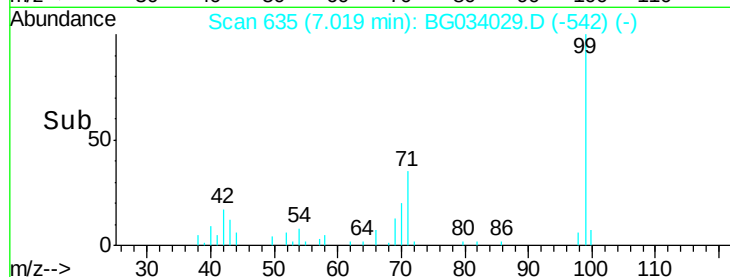
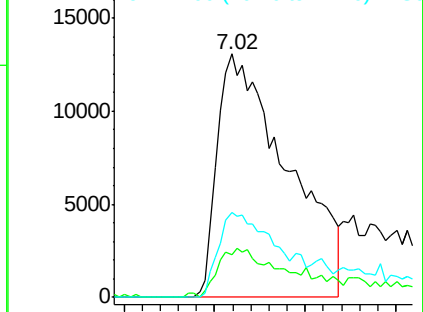
99 100

42 17.5 14.1 21.1

71 34.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.625 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034029.D

Acq: 27 Apr 2018 2:29

Tgt Ion: 70 Resp: 35950

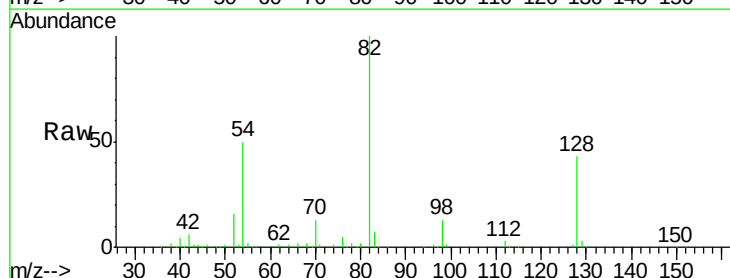
Ion Ratio Lower Upper

70 100

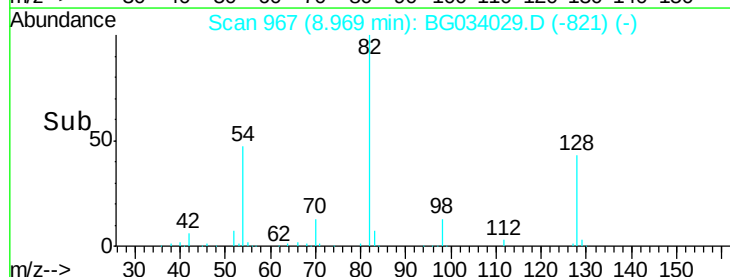
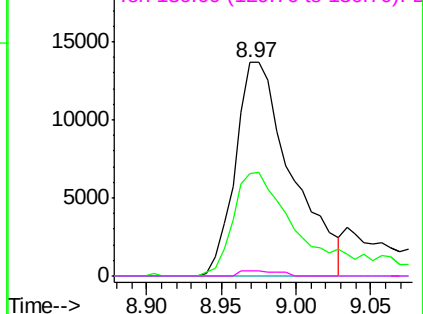
42 48.1 49.1 73.7#

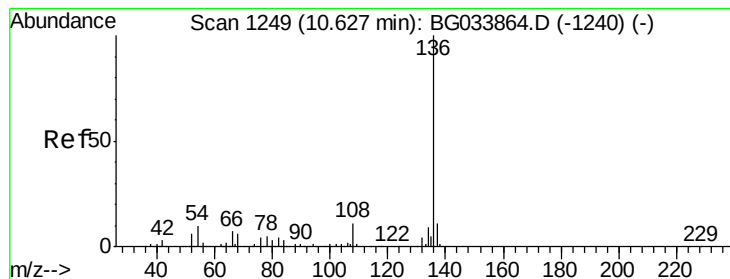
101 0.0 8.5 12.7#

130 2.2 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.60 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BG034029.D

Acq: 27 Apr 2018 2:29

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion: 136 Resp: 224301

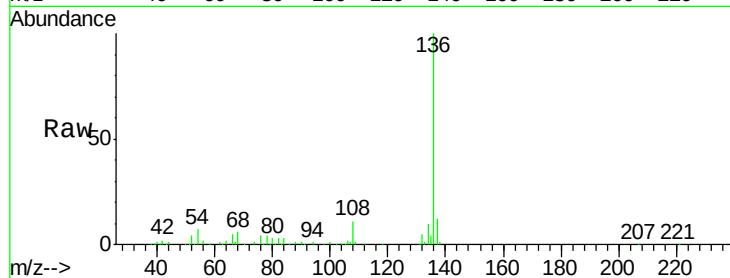
Ion Ratio Lower Upper

136 100

137 12.1 9.2 13.8

54 7.5 10.3 15.5#

68 5.8 4.5 6.7

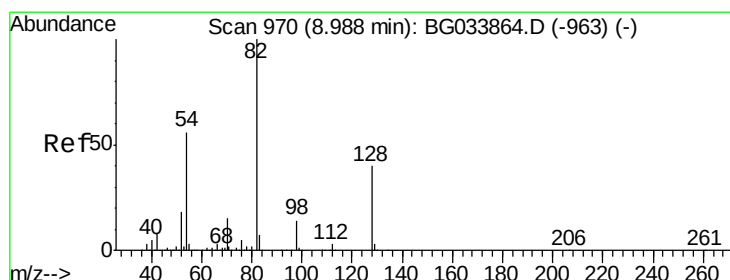
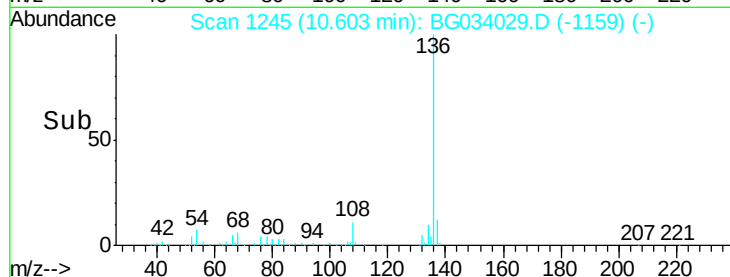
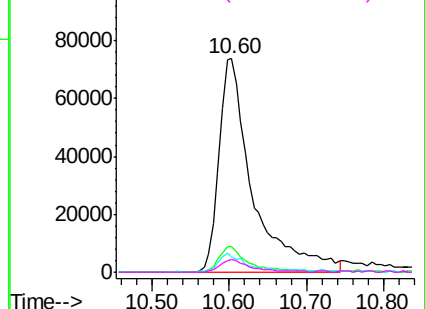


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 90.969 ng

RT: 8.97 min Scan# 967

Delta R.T. -0.02 min

Lab File: BG034029.D

Acq: 27 Apr 2018 2:29

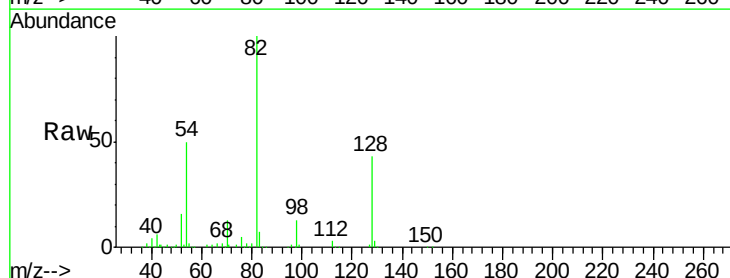
Tgt Ion: 82 Resp: 358543

Ion Ratio Lower Upper

82 100

128 42.6 29.7 44.5

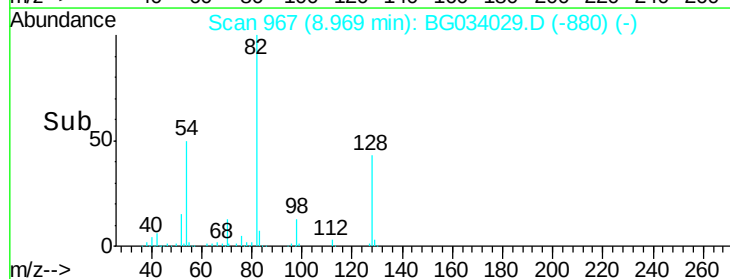
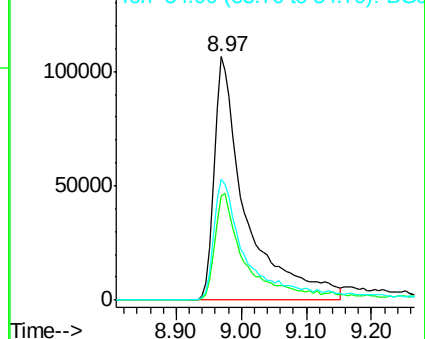
54 49.5 43.1 64.7

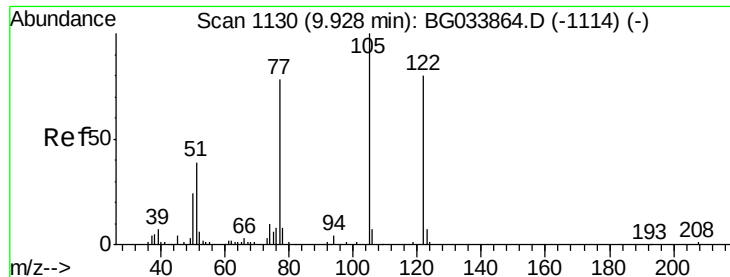


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

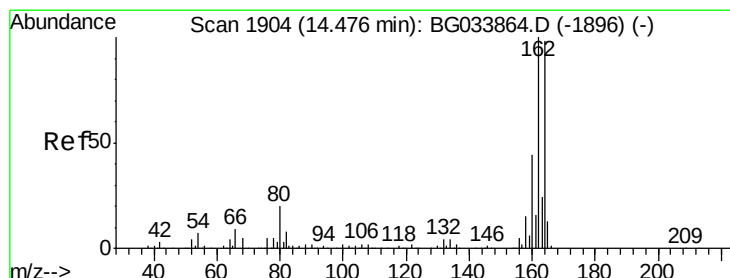
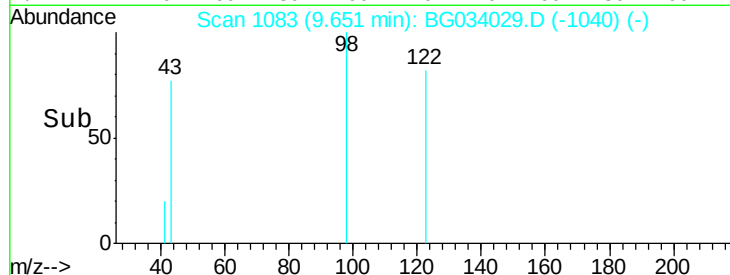
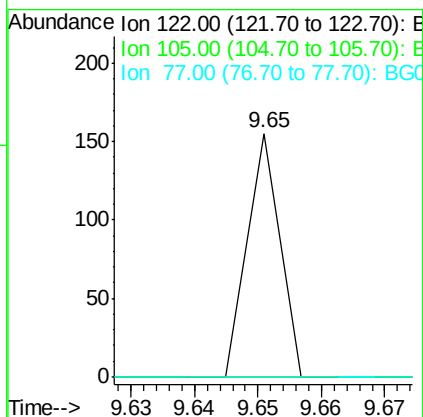
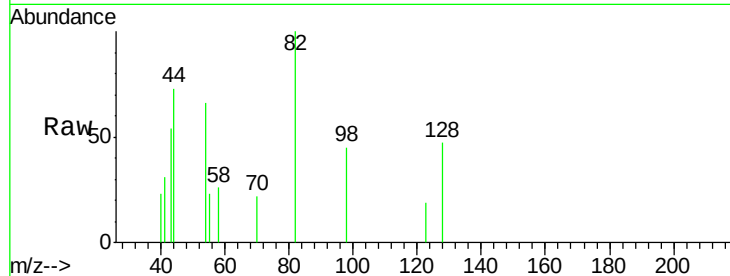




#32
Benzoic acid
Concen: 5.100 ng
RT: 9.65 min Scan# 1083
Delta R.T. -0.28 min
Lab File: BG034029.D
Acq: 27 Apr 2018 2:29

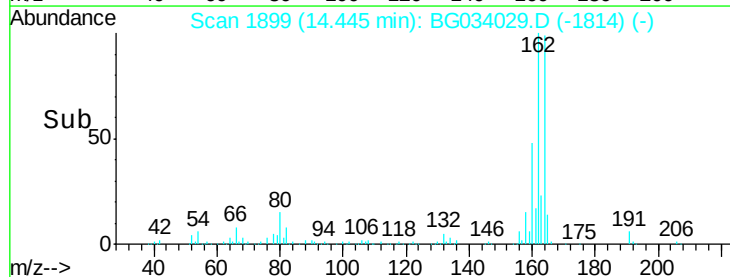
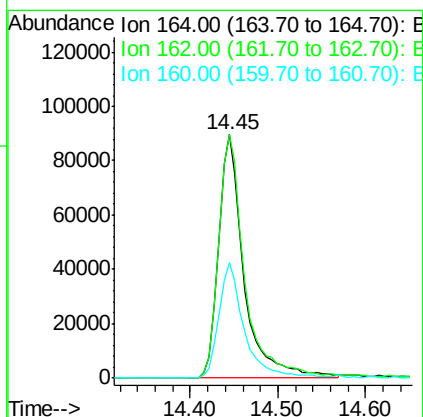
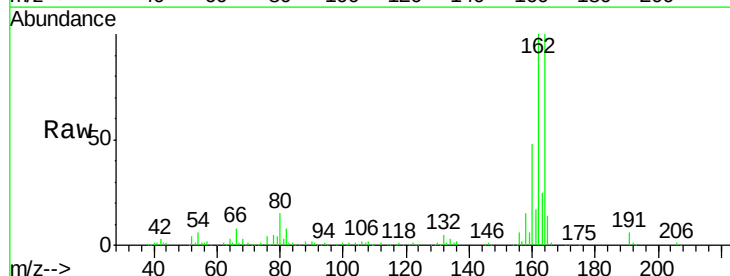
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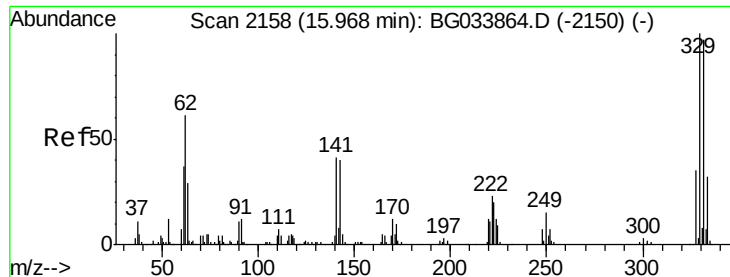
Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.45 min Scan# 1899
Delta R.T. -0.03 min
Lab File: BG034029.D
Acq: 27 Apr 2018 2:29

Tgt Ion:164 Resp: 179941
Ion Ratio Lower Upper
164 100
162 100.2 78.8 118.2
160 47.7 35.4 53.0

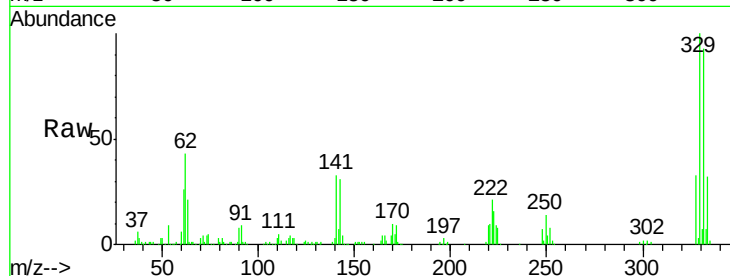




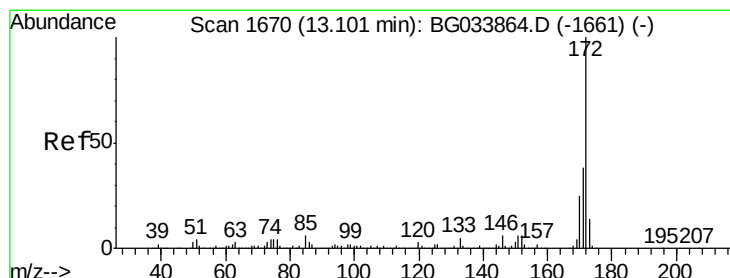
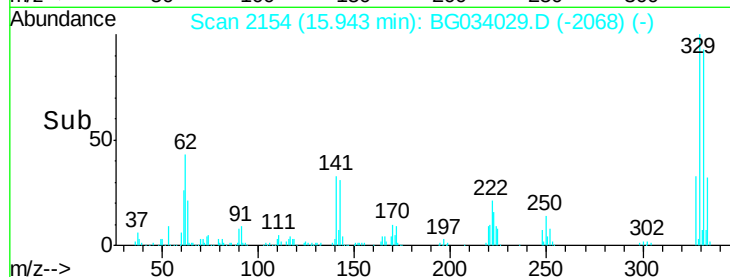
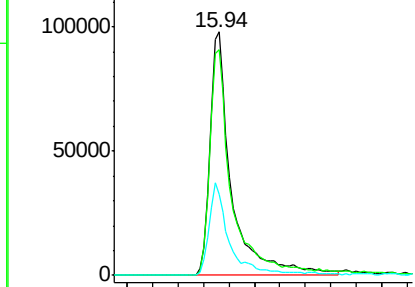
#41
 2,4,6-Tribromophenol
 Concen: 111.493 ng
 RT: 15.94 min Scan# 2154
 Delta R.T. -0.02 min
 Lab File: BG034029.D
 Acq: 27 Apr 2018 2:29

Instrument :
 BNA_G
 ClientSampleId :
 042418-SIDI-E-D-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.6	77.0	115.6
141	35.4	25.2	37.8

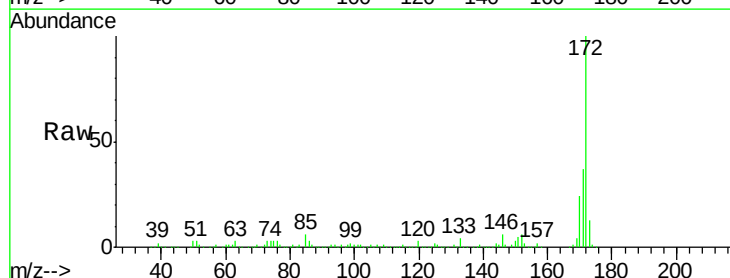


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

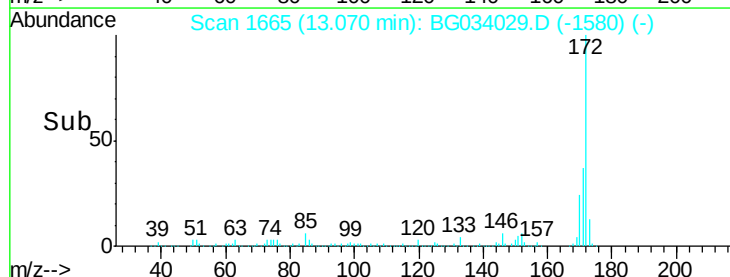
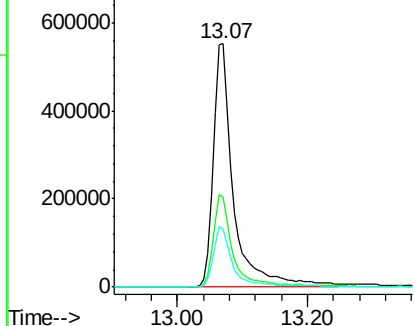


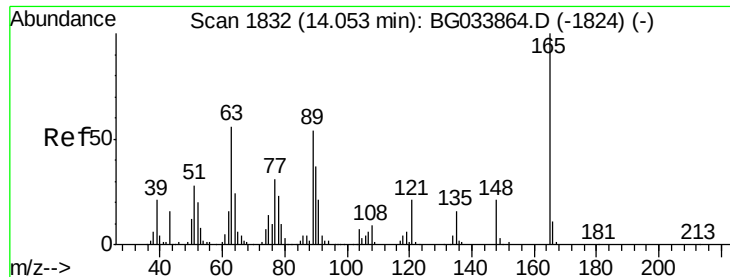
#44
 2-Fluorobiphenyl
 Concen: 97.280 ng
 RT: 13.07 min Scan# 1665
 Delta R.T. -0.03 min
 Lab File: BG034029.D
 Acq: 27 Apr 2018 2:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.0	45.0
170	23.9	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

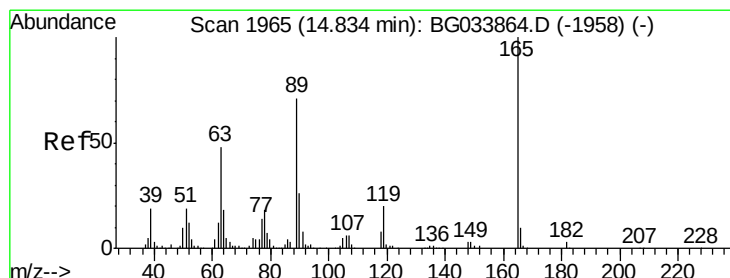
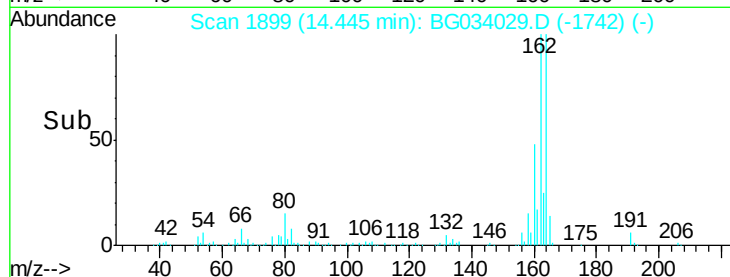
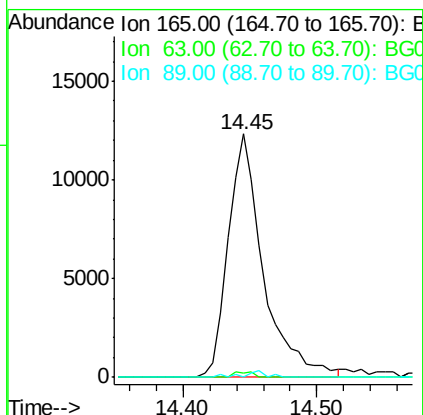
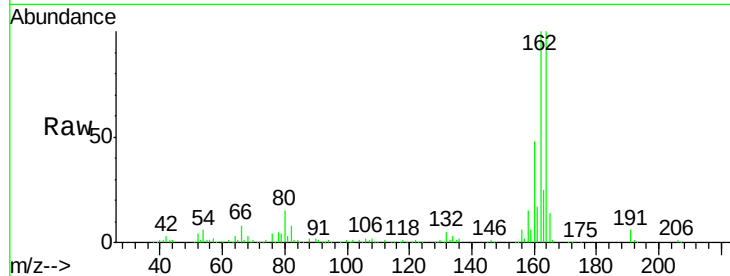




#50
 2,6-Dinitrotoluene
 Concen: 7.557 ng
 RT: 14.45 min Scan# 1899
 Delta R.T. 0.39 min
 Lab File: BG034029.D
 Acq: 27 Apr 2018 2:29

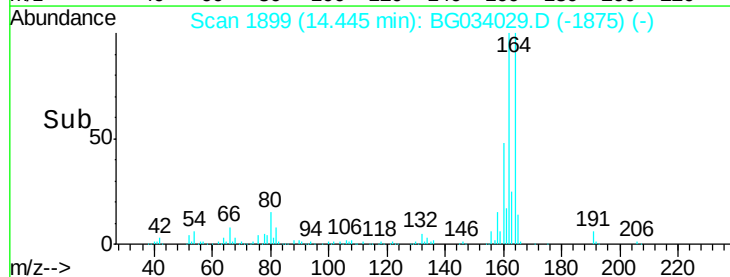
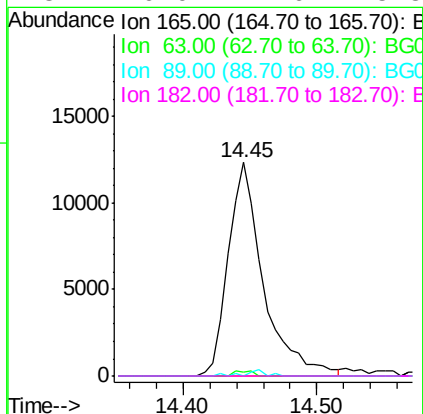
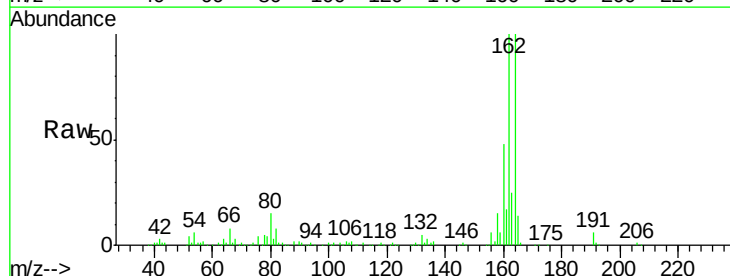
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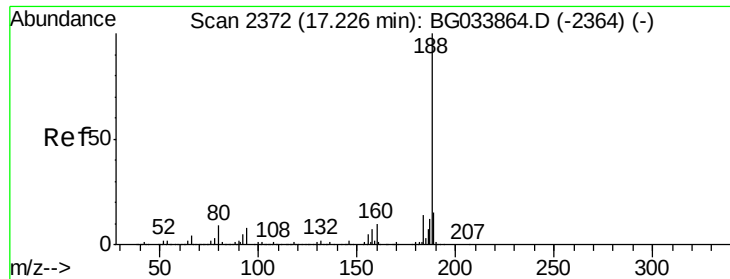
Tgt Ion:165 Resp: 22667
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.683 ng
 RT: 14.45 min Scan# 1899
 Delta R.T. -0.39 min
 Lab File: BG034029.D
 Acq: 27 Apr 2018 2:29

Tgt Ion:165 Resp: 22667
 Ion Ratio Lower Upper
 165 100
 63 1.9 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

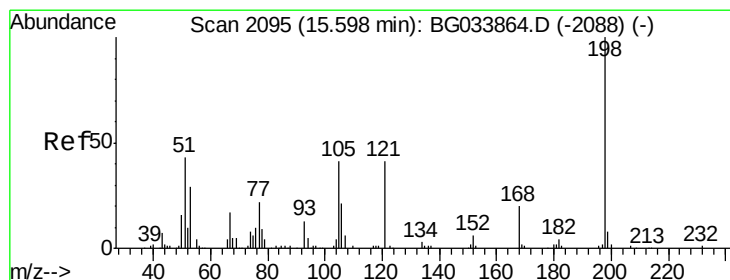
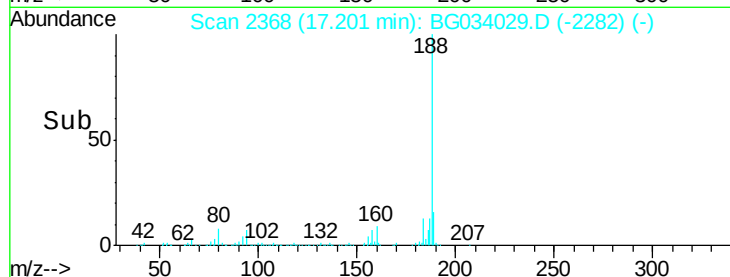
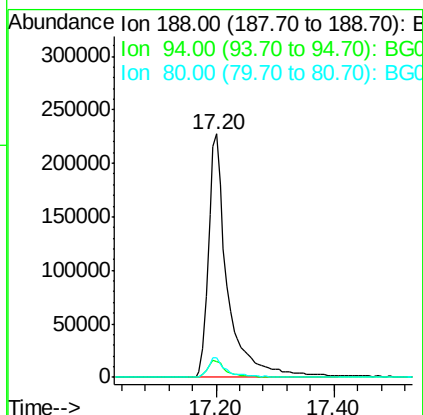
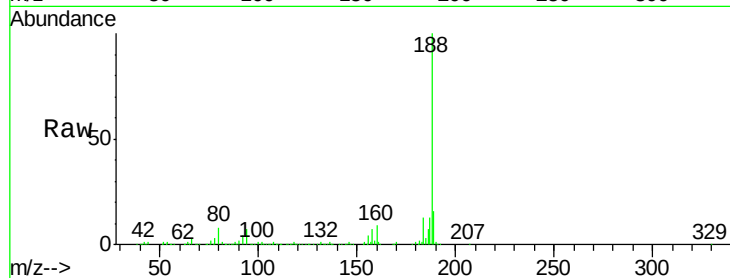




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.20 min Scan# 2368
 Delta R.T. -0.02 min
 Lab File: BG034029.D
 Acq: 27 Apr 2018 2:29

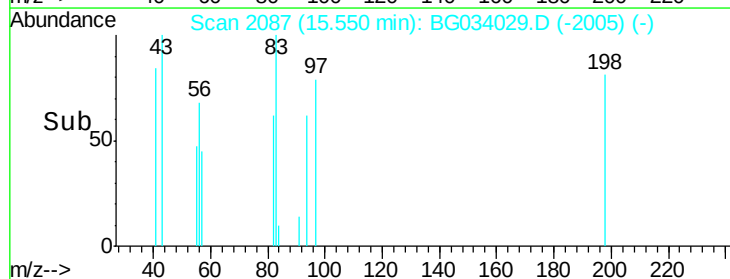
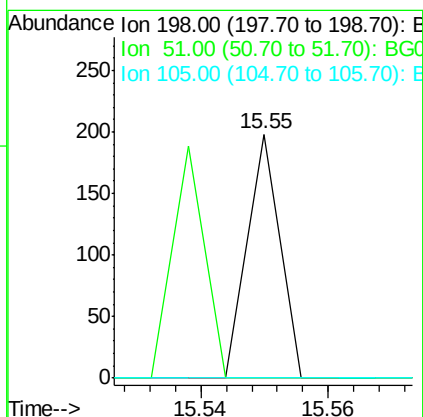
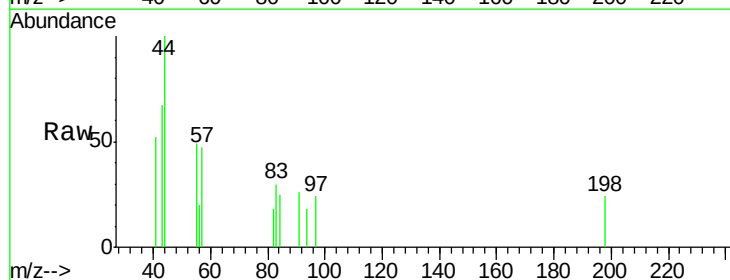
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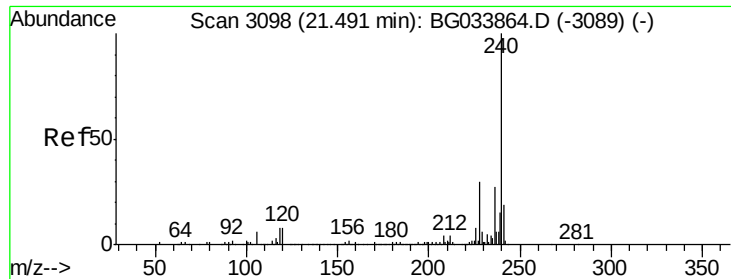
Tgt Ion:188 Resp: 513064
 Ion Ratio Lower Upper
 188 100
 94 6.7 6.9 10.3#
 80 8.3 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.514 ng
 RT: 15.55 min Scan# 2087
 Delta R.T. -0.05 min
 Lab File: BG034029.D
 Acq: 27 Apr 2018 2:29

Tgt Ion:198 Resp: 70
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.45 min Scan# 3091

Delta R.T. -0.04 min

Lab File: BG034029.D

Acq: 27 Apr 2018 2:29

Instrument :

BNA_G

ClientSampleId :

042418-SIDI-E-D-B

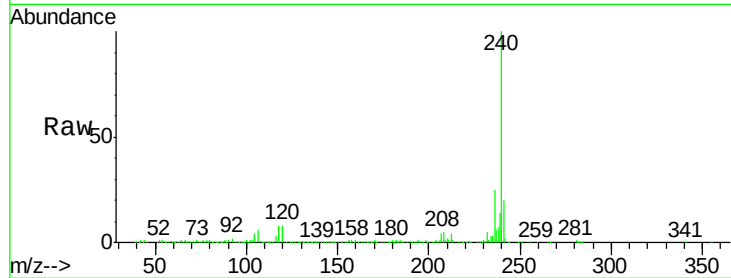
Tgt Ion:240 Resp: 561542

Ion Ratio Lower Upper

240 100

120 8.4 6.8 10.2

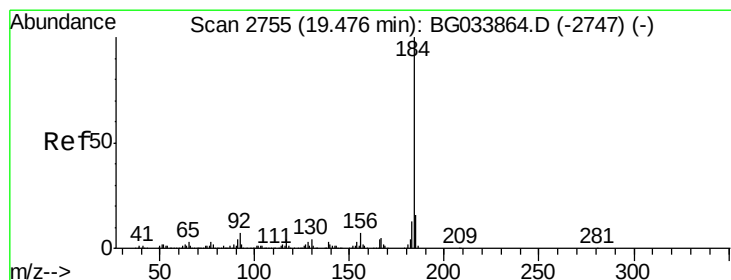
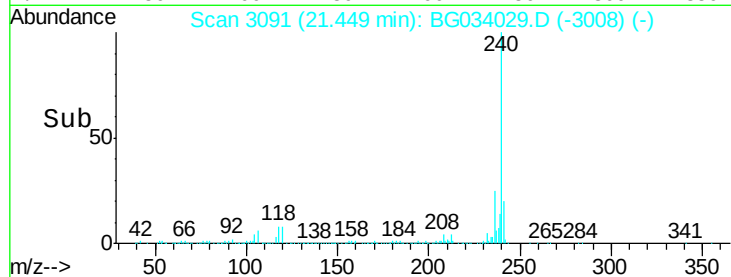
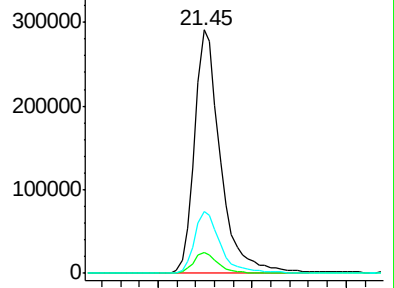
236 25.4 20.9 31.3



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: 2.281 ng

RT: 19.83 min Scan# 2816

Delta R.T. 0.36 min

Lab File: BG034029.D

Acq: 27 Apr 2018 2:29

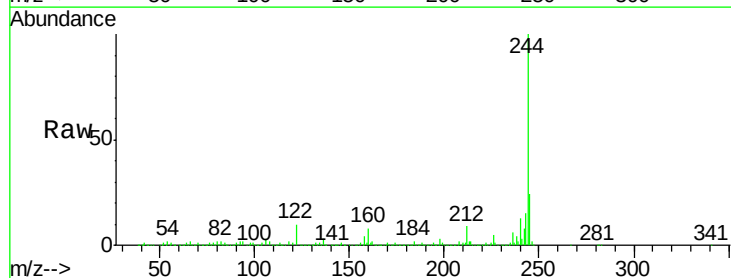
Tgt Ion:184 Resp: 34591

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

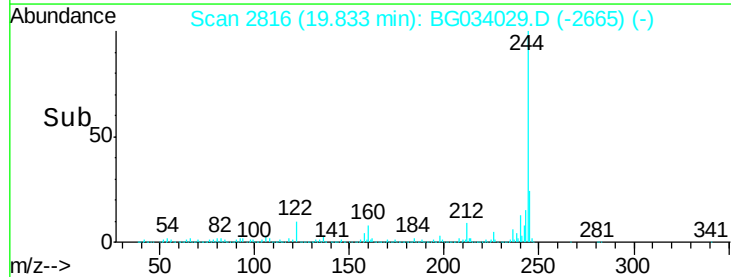
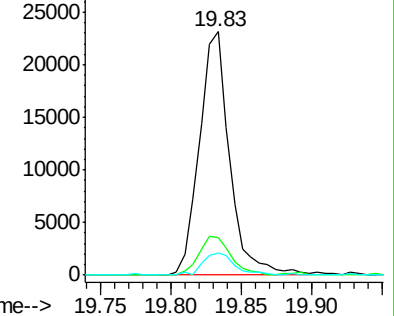
183 9.1 10.6 16.0#

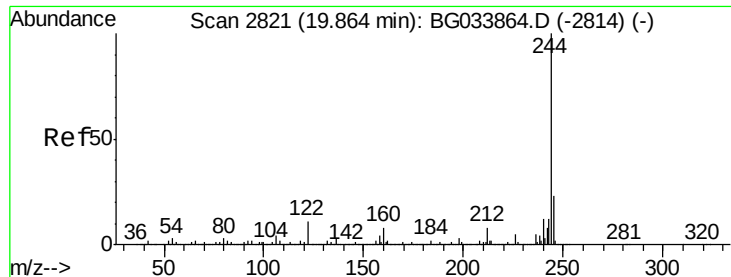


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.927 ng

RT: 19.83 min Scan# 2815

Delta R.T. -0.04 min

Lab File: BG034029.D

Acq: 27 Apr 2018 2:29

Instrument :

BNA_G

ClientSampleId :

042418-SIDI-E-D-B

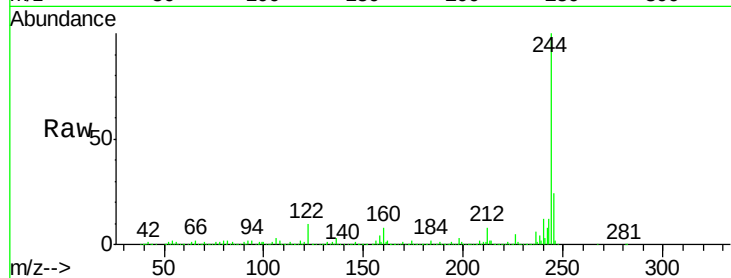
Tgt Ion:244 Resp: 2347698

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

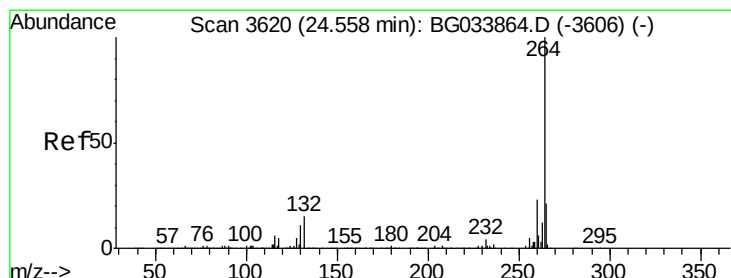
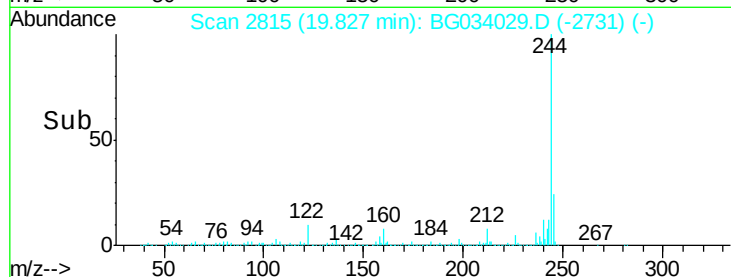
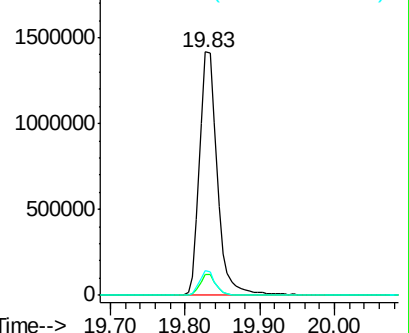
122 10.1 7.0 10.4



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: 24.49 min Scan# 3609

Delta R.T. -0.07 min

Lab File: BG034029.D

Acq: 27 Apr 2018 2:29

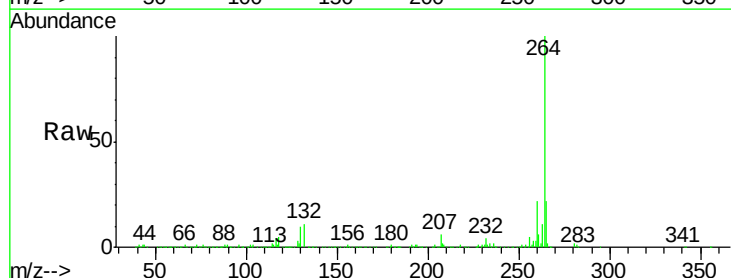
Tgt Ion:264 Resp: 572595

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 22.2 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

