

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034021.D
 Acq On : 26 Apr 2018 21:24
 Operator : SJ/JU
 Sample : J2531-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 042318-SIDI-E-D-M

Quant Time: Apr 27 01:37:59 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

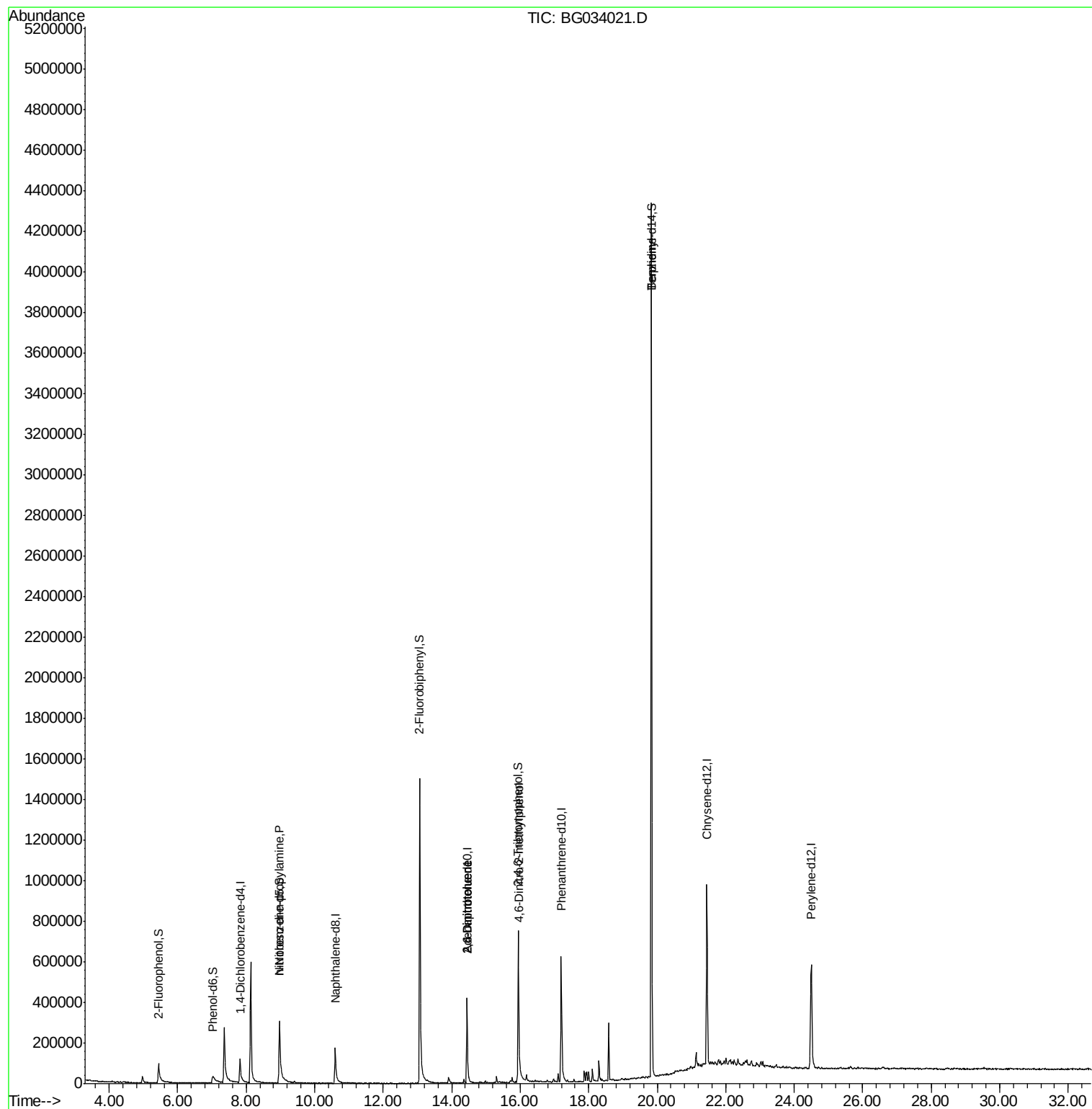
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	53245	20.00	ng	-0.02
21) Naphthalene-d8	10.60	136	247599	20.00	ng	-0.03
38) Acenaphthene-d10	14.45	164	185768	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	557628	20.00	ng	-0.03
75) Chrysene-d12	21.45	240	595087	20.00	ng	-0.04
86) Perylene-d12	24.50	264	601946	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	93961	28.17	ng	0.00
7) Phenol-d6	7.02	99	52655	10.82	ng	0.02
23) Nitrobenzene-d5	8.97	82	348104	80.01	ng	-0.02
41) 2,4,6-Tribromophenol	15.95	330	224876	103.76	ng	-0.02
44) 2-Fluorobiphenyl	13.07	172	1119074	88.49	ng	-0.03
78) Terphenyl-d14	19.83	244	2238844	84.52	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.96	77	68	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	8.97	70	43618	10.519 ng	#	5
50) 2,6-Dinitrotoluene	14.44	165	24156	7.800 ng	#	21
56) 2,4-Dinitrotoluene	14.44	165	24156	5.866 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.96	198	703	6.716 ng		88
76) Benzidine	19.83	184	34760	2.163 ng	#	92

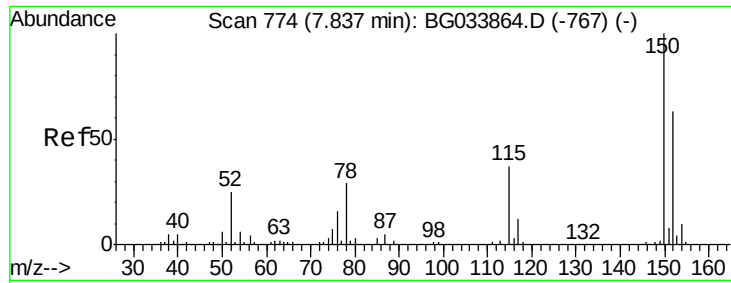
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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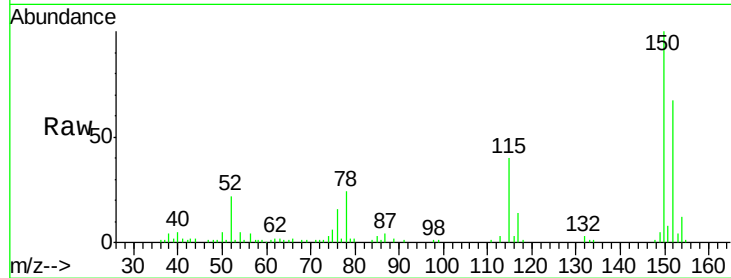


#1

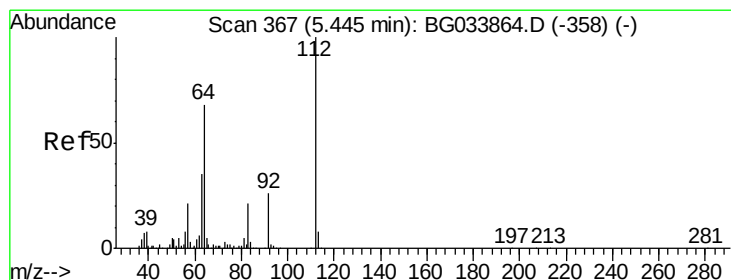
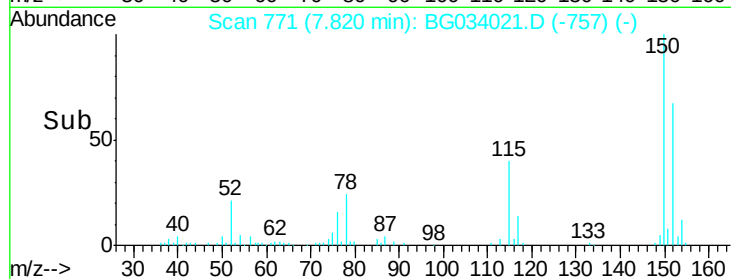
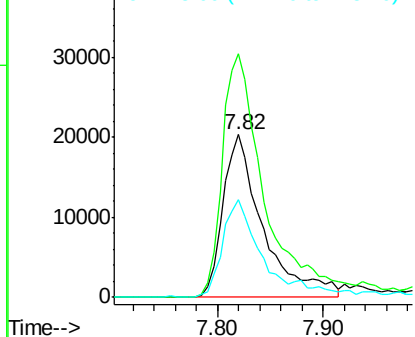
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 771
Delta R.T. -0.02 min
Lab File: BG034021.D
Acq: 26 Apr 2018 21:24

Instrument :
BNA_G
ClientSampleId :
042318-SIDI-E-D-M

Tgt Ion:152 Resp: 53245
Ion Ratio Lower Upper
152 100
150 149.6 126.6 189.8
115 59.7 53.0 79.4



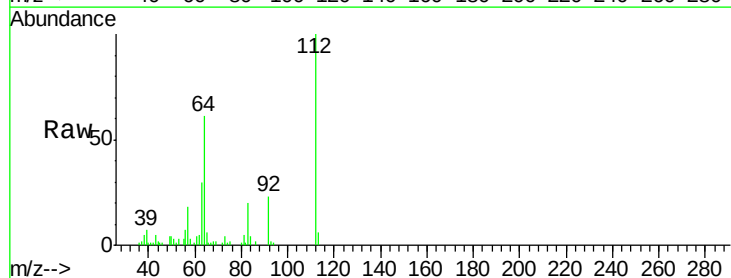
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



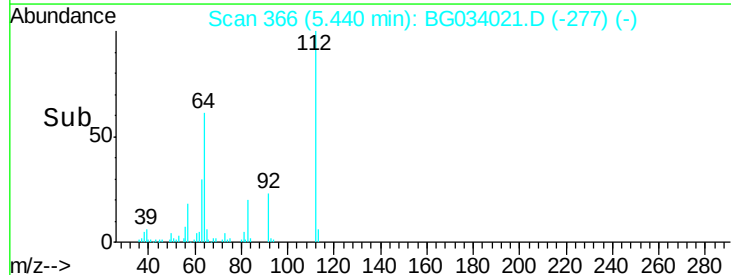
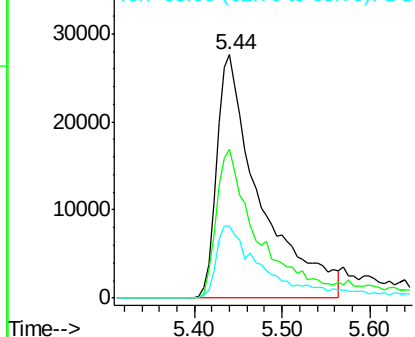
#5

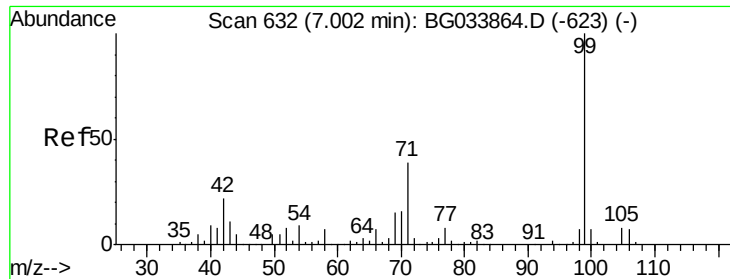
2-Fluorophenol
Concen: 28.174 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.00 min
Lab File: BG034021.D
Acq: 26 Apr 2018 21:24

Tgt Ion:112 Resp: 93961
Ion Ratio Lower Upper
112 100
64 61.2 56.3 84.5
63 29.9 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 10.825 ng

RT: 7.02 min Scan# 635

Delta R.T. 0.02 min

Lab File: BG034021.D

Acq: 26 Apr 2018 21:24

Instrument :

BNA_G

ClientSampleId :

042318-SIDI-E-D-M

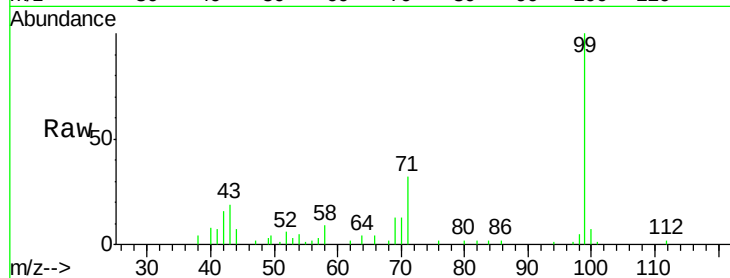
Tgt Ion: 99 Resp: 52655

Ion Ratio Lower Upper

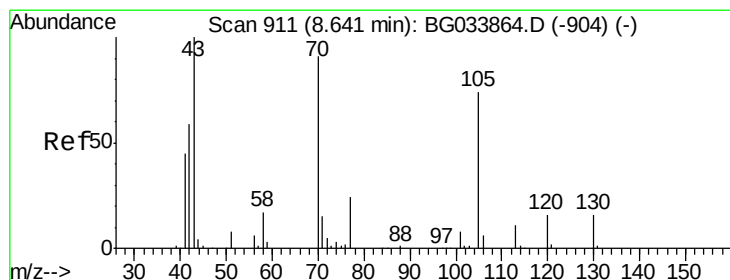
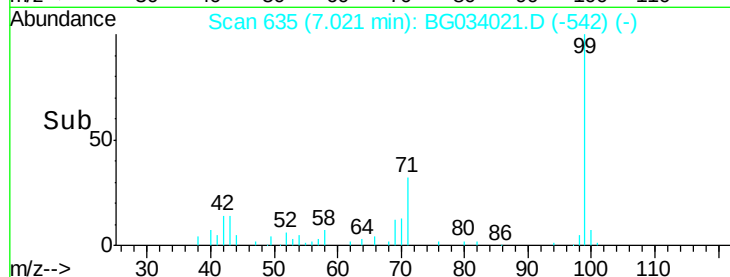
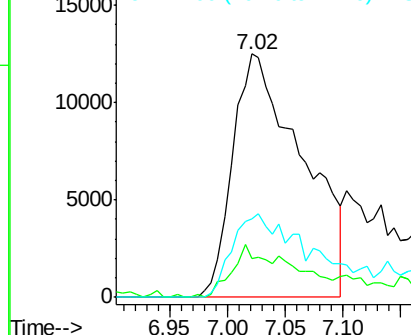
99 100

42 16.2 14.1 21.1

71 32.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 10.519 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034021.D

Acq: 26 Apr 2018 21:24

Tgt Ion: 70 Resp: 43618

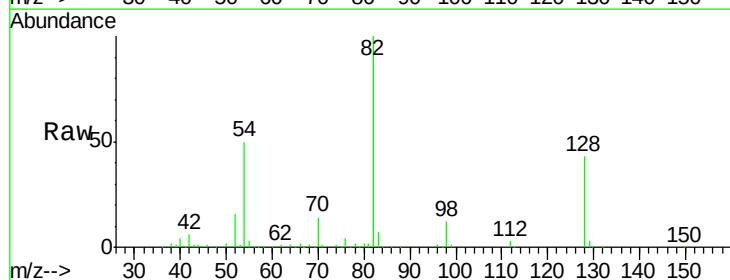
Ion Ratio Lower Upper

70 100

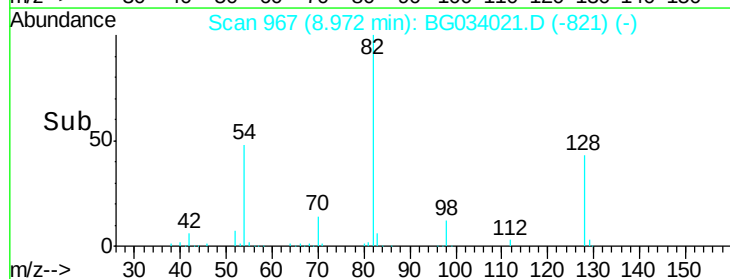
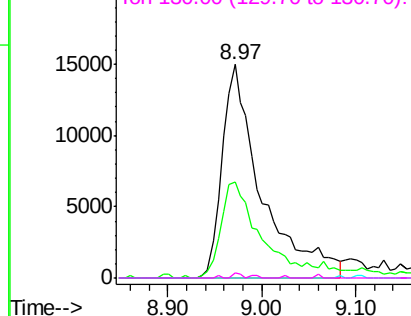
42 44.7 49.1 73.7#

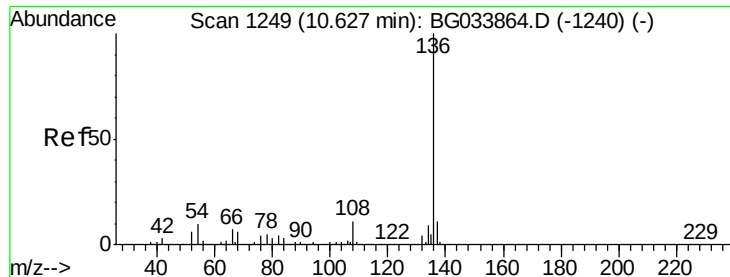
101 0.0 8.5 12.7#

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# 1244

Delta R.T. -0.03 min

Lab File: BG034021.D

Acq: 26 Apr 2018 21:24

Instrument :

BNA_G

ClientSampleId :

042318-SIDI-E-D-M

Tgt Ion:136 Resp: 247599

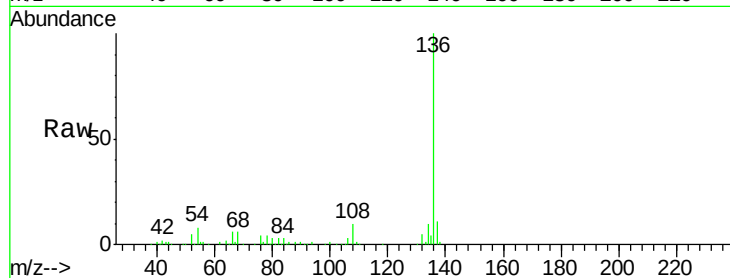
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 8.4 10.3 15.5#

68 5.7 4.5 6.7

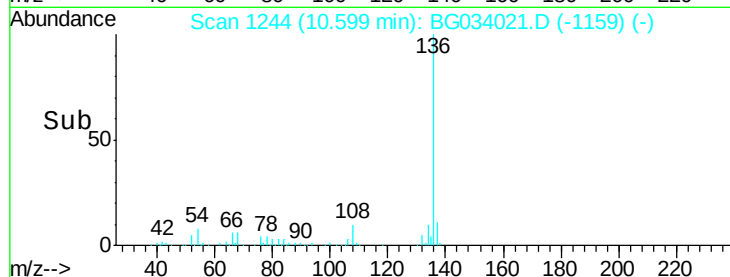


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

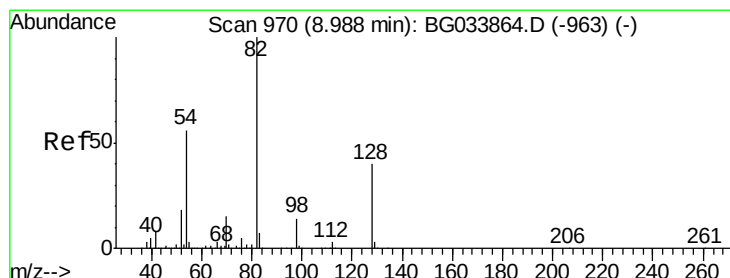
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->

10.60



#23

Nitrobenzene-d5

Concen: 80.010 ng

RT: 8.97 min Scan# 967

Delta R.T. -0.02 min

Lab File: BG034021.D

Acq: 26 Apr 2018 21:24

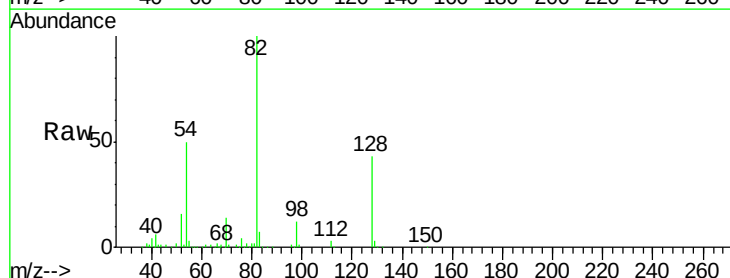
Tgt Ion: 82 Resp: 348104

Ion Ratio Lower Upper

82 100

128 43.4 29.7 44.5

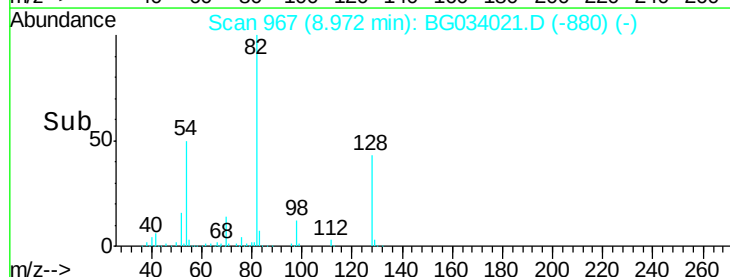
54 49.9 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

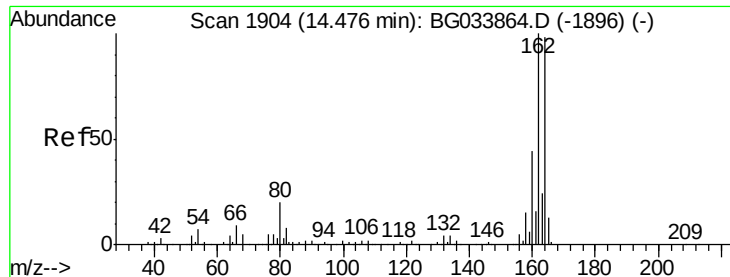
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC



Time-->

8.97



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.45 min Scan# 1899

Delta R.T. -0.03 min

Lab File: BG034021.D

Acq: 26 Apr 2018 21:24

Instrument :

BNA_G

ClientSampleId :

042318-SIDI-E-D-M

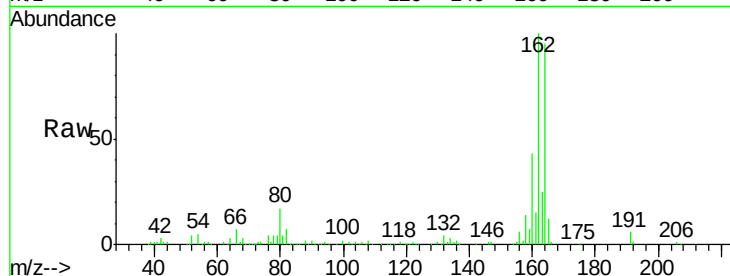
Tgt Ion:164 Resp: 185768

Ion Ratio Lower Upper

164 100

162 105.2 78.8 118.2

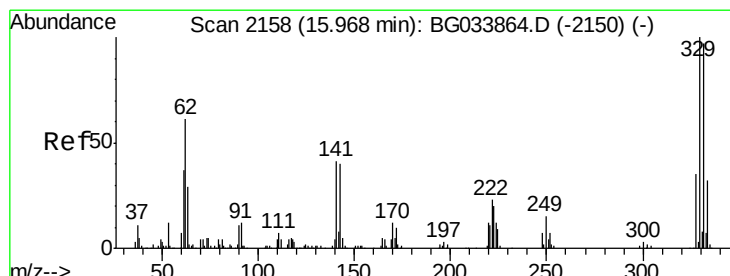
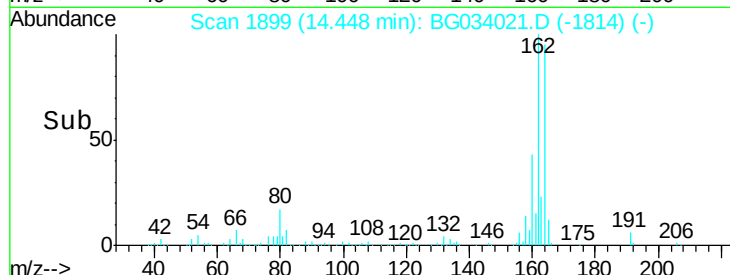
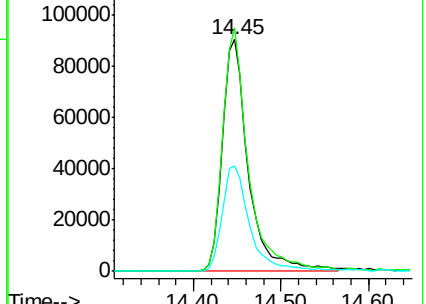
160 45.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 103.760 ng

RT: 15.95 min Scan# 2154

Delta R.T. -0.02 min

Lab File: BG034021.D

Acq: 26 Apr 2018 21:24

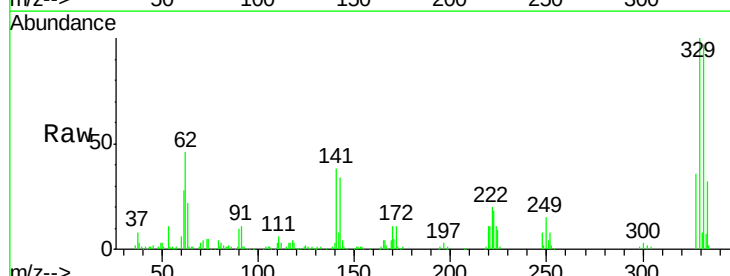
Tgt Ion:330 Resp: 224876

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

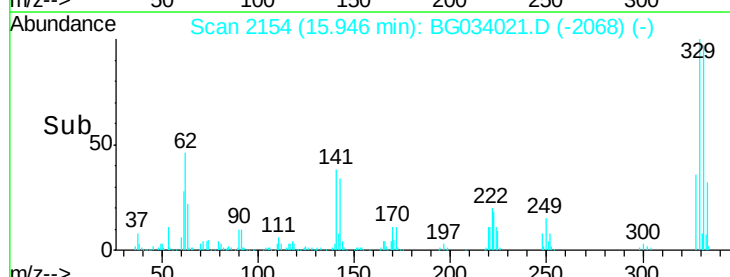
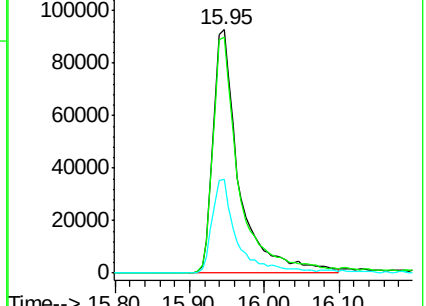
141 36.3 25.2 37.8

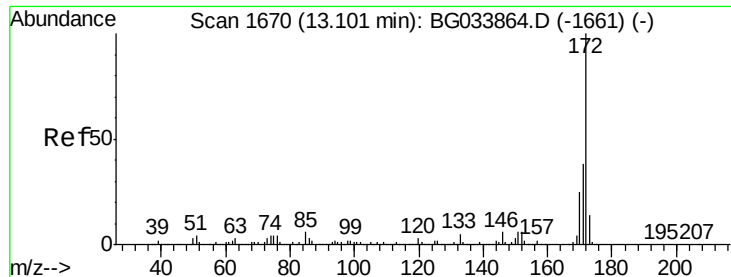


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

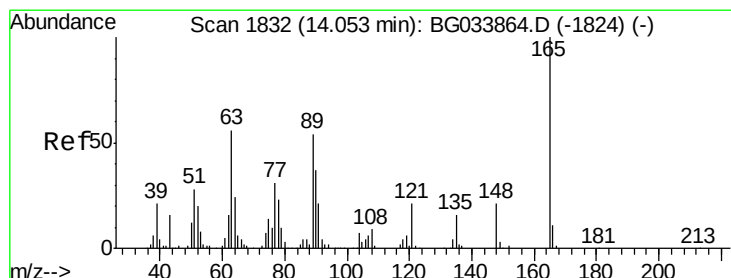
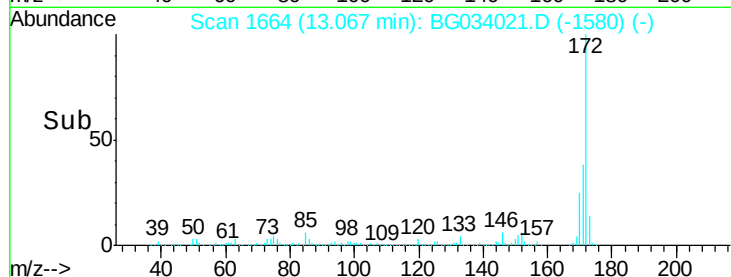
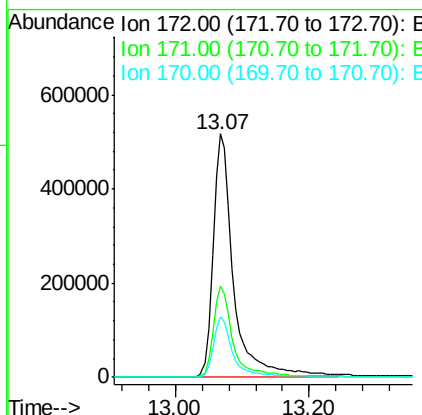
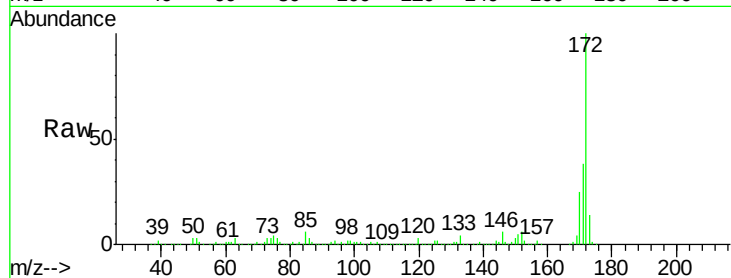




#44
 2-Fluorobiphenyl
 Concen: 88.495 ng
 RT: 13.07 min Scan# 1664
 Delta R.T. -0.03 min
 Lab File: BG034021.D
 Acq: 26 Apr 2018 21:24

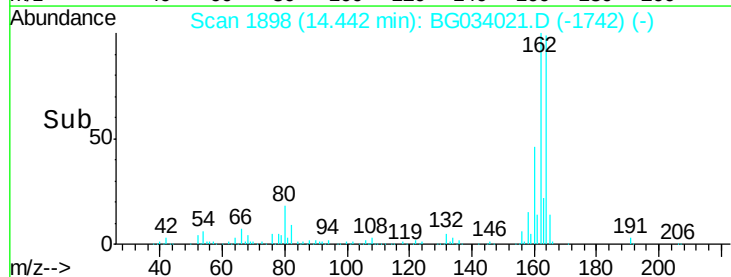
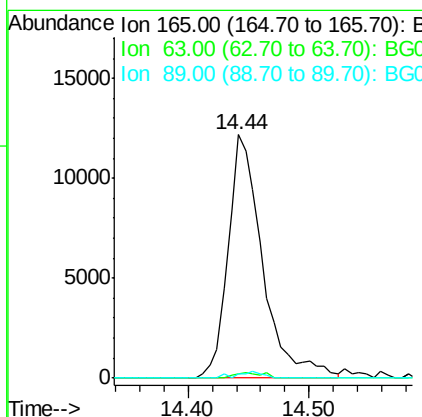
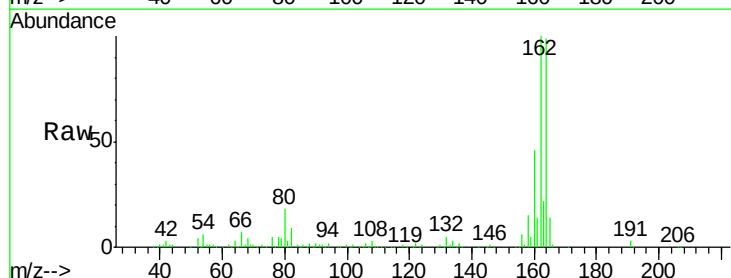
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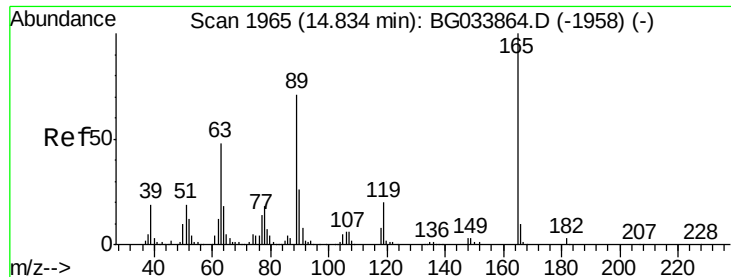
Tgt Ion:172 Resp: 1119074
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.0 45.0
 170 25.0 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.800 ng
 RT: 14.44 min Scan# 1898
 Delta R.T. 0.39 min
 Lab File: BG034021.D
 Acq: 26 Apr 2018 21:24

Tgt Ion:165 Resp: 24156
 Ion Ratio Lower Upper
 165 100
 63 1.8 52.7 79.1#
 89 1.8 49.2 73.8#

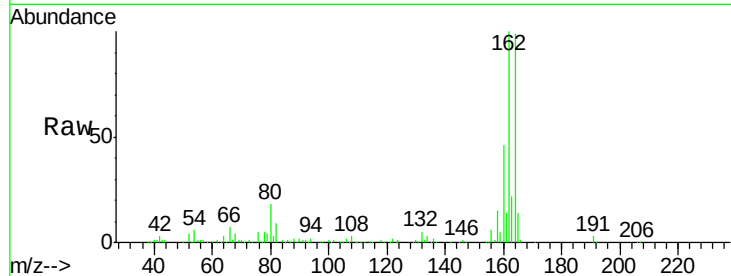




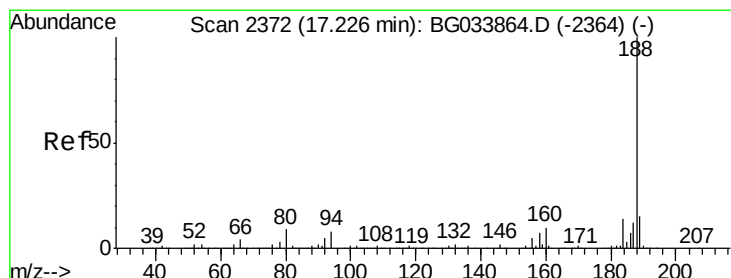
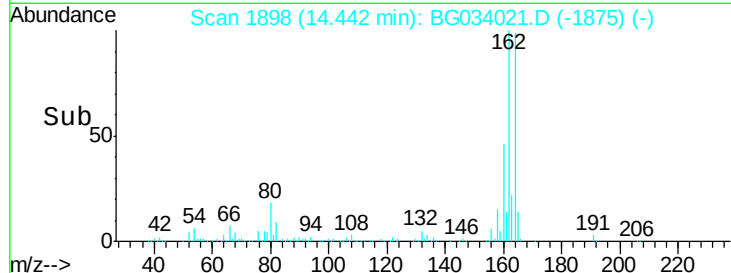
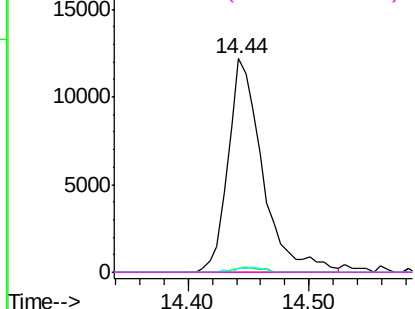
#56
 2,4-Dinitrotoluene
 Concen: 5.866 ng
 RT: 14.44 min Scan# 1898
 Delta R.T. -0.39 min
 Lab File: BG034021.D
 Acq: 26 Apr 2018 21:24

Instrument :
 BNA_G
 ClientSampleId :
 042318-SIDI-E-D-M

Tgt Ion:165 Resp: 24156
 Ion Ratio Lower Upper
 165 100
 63 1.8 42.0 63.0#
 89 1.8 66.9 100.3#
 182 0.0 2.6 3.8#

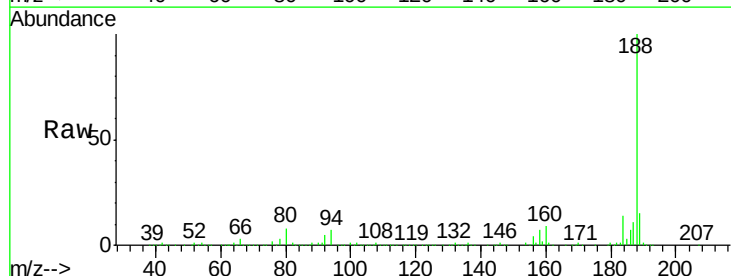


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

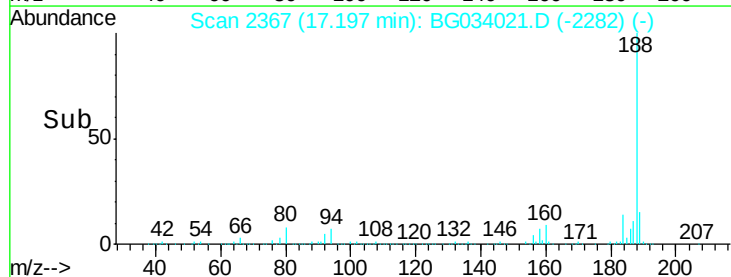
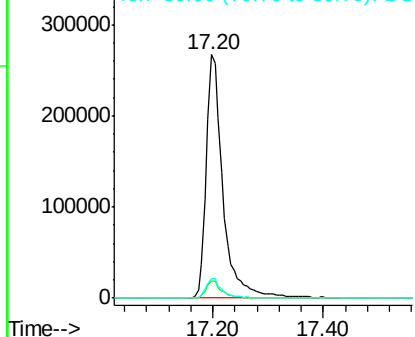


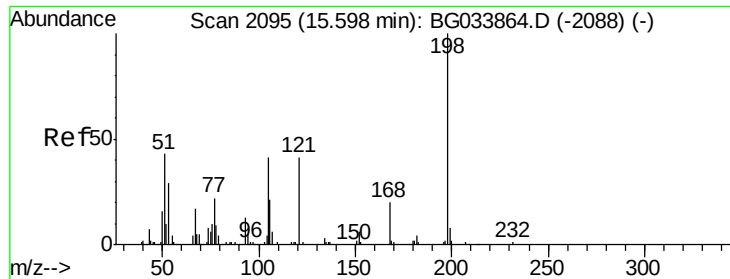
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.20 min Scan# 2367
 Delta R.T. -0.03 min
 Lab File: BG034021.D
 Acq: 26 Apr 2018 21:24

Tgt Ion:188 Resp: 557628
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 7.8 7.7 11.5



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

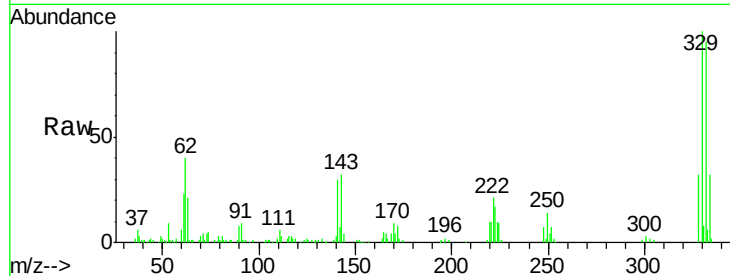




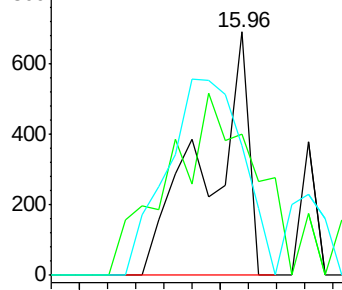
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.716 ng
 RT: 15.96 min Scan# 2156
 Delta R.T. 0.36 min
 Lab File: BG034021.D
 Acq: 26 Apr 2018 21:24

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 042318-SIDI-E-D-M

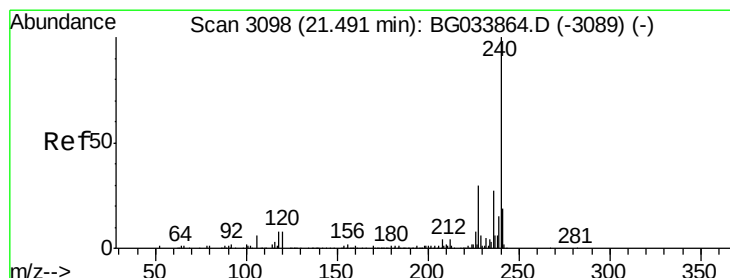
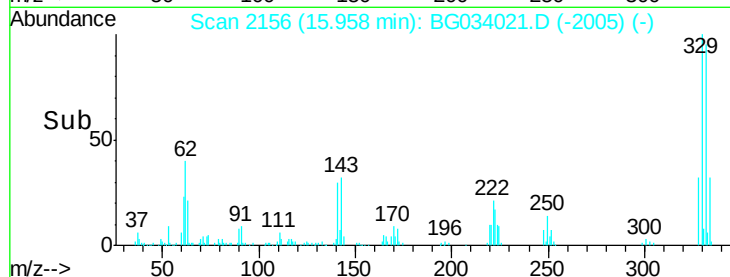
Tgt Ion:198 Resp: 703
 Ion Ratio Lower Upper
 198 100
 51 58.1 30.6 70.6
 105 53.1 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

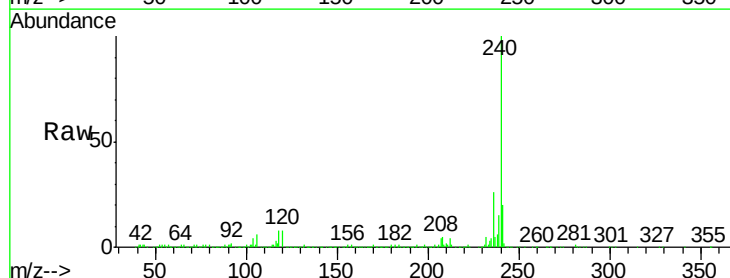


Time-->

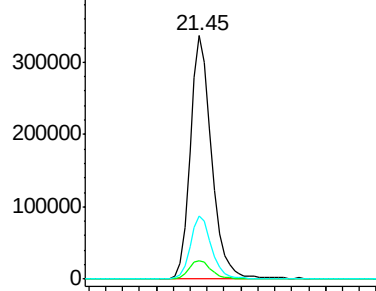


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.45 min Scan# 3091
 Delta R.T. -0.04 min
 Lab File: BG034021.D
 Acq: 26 Apr 2018 21:24

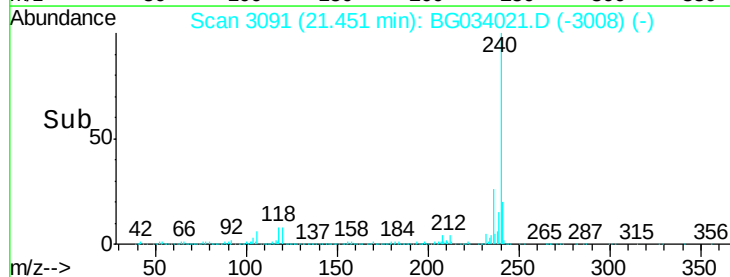
Tgt Ion:240 Resp: 595087
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.8 10.2
 236 26.1 20.9 31.3

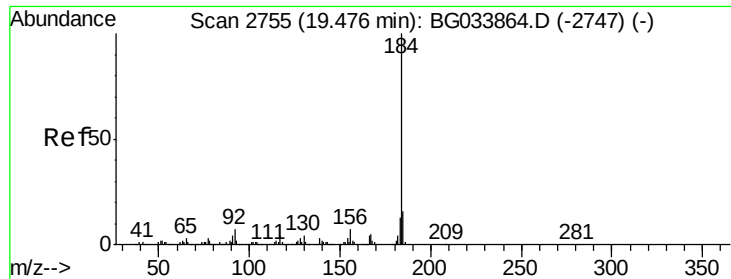


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->

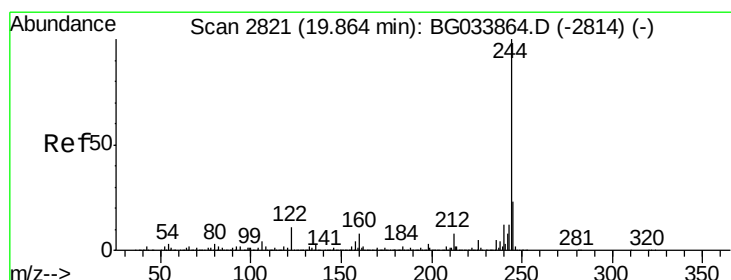
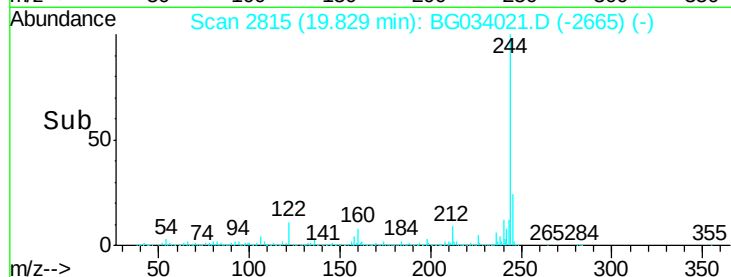
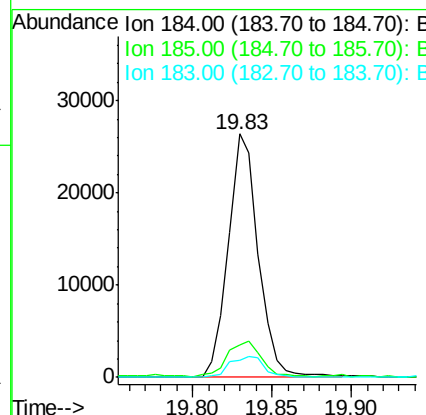
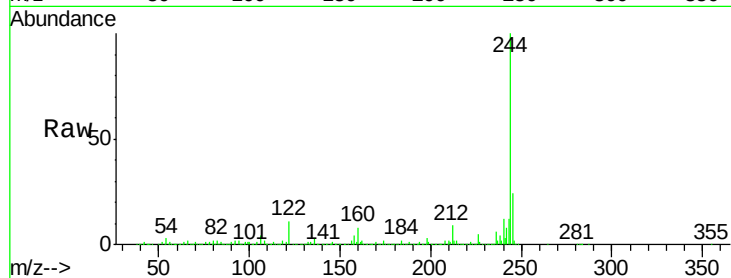




#76
Benzidine
Concen: 2.163 ng
RT: 19.83 min Scan# 2815
Delta R.T. 0.35 min
Lab File: BG034021.D
Acq: 26 Apr 2018 21:24

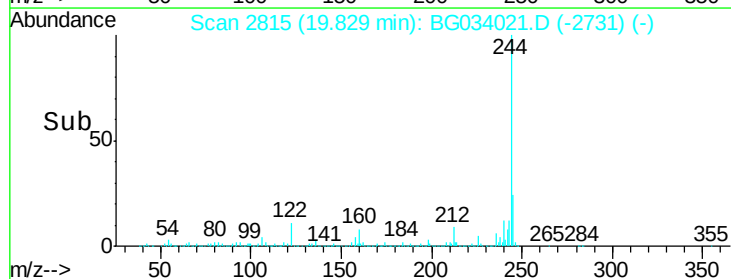
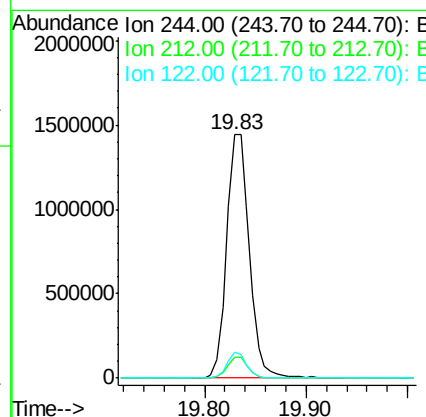
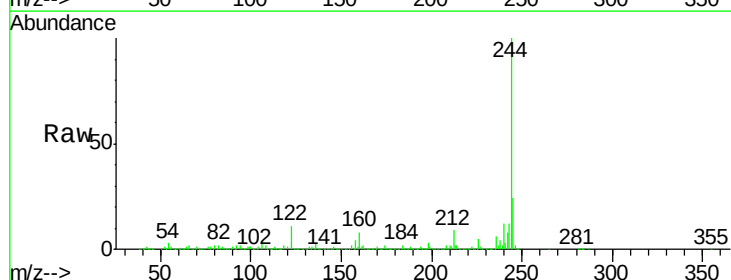
Instrument :
BNA_G
ClientSampleId :
042318-SIDI-E-D-M

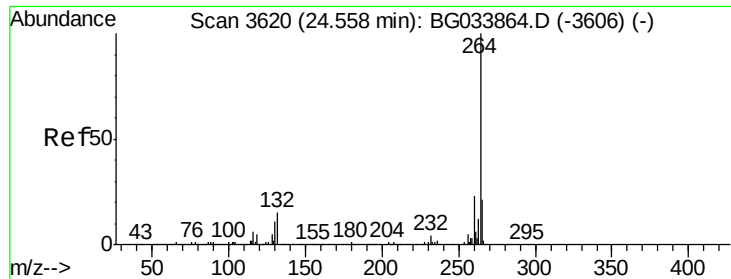
Tgt Ion:184 Resp: 34760
Ion Ratio Lower Upper
184 100
185 13.6 11.1 16.7
183 7.1 10.6 16.0#



#78
Terphenyl-d14
Concen: 84.522 ng
RT: 19.83 min Scan# 2815
Delta R.T. -0.03 min
Lab File: BG034021.D
Acq: 26 Apr 2018 21:24

Tgt Ion:244 Resp: 2238844
Ion Ratio Lower Upper
244 100
212 8.7 5.8 8.8
122 10.8 7.0 10.4#

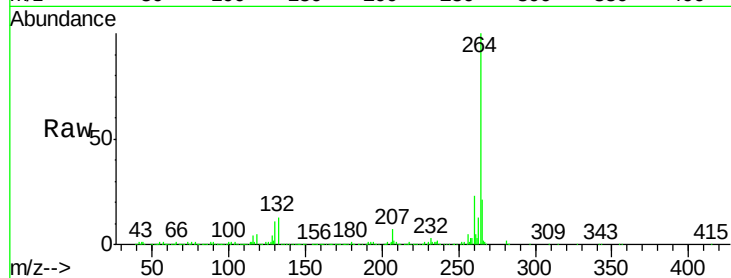




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.50 min Scan# 3610
Delta R.T. -0.06 min
Lab File: BG034021.D
Acq: 26 Apr 2018 21:24

Instrument :
BNA_G
ClientSampleId :
042318-SIDI-E-D-M

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	20.9	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

