

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034030.D
 Acq On : 27 Apr 2018 3:07
 Operator : SJ/JU
 Sample : J2571-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 27 06:08:10 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

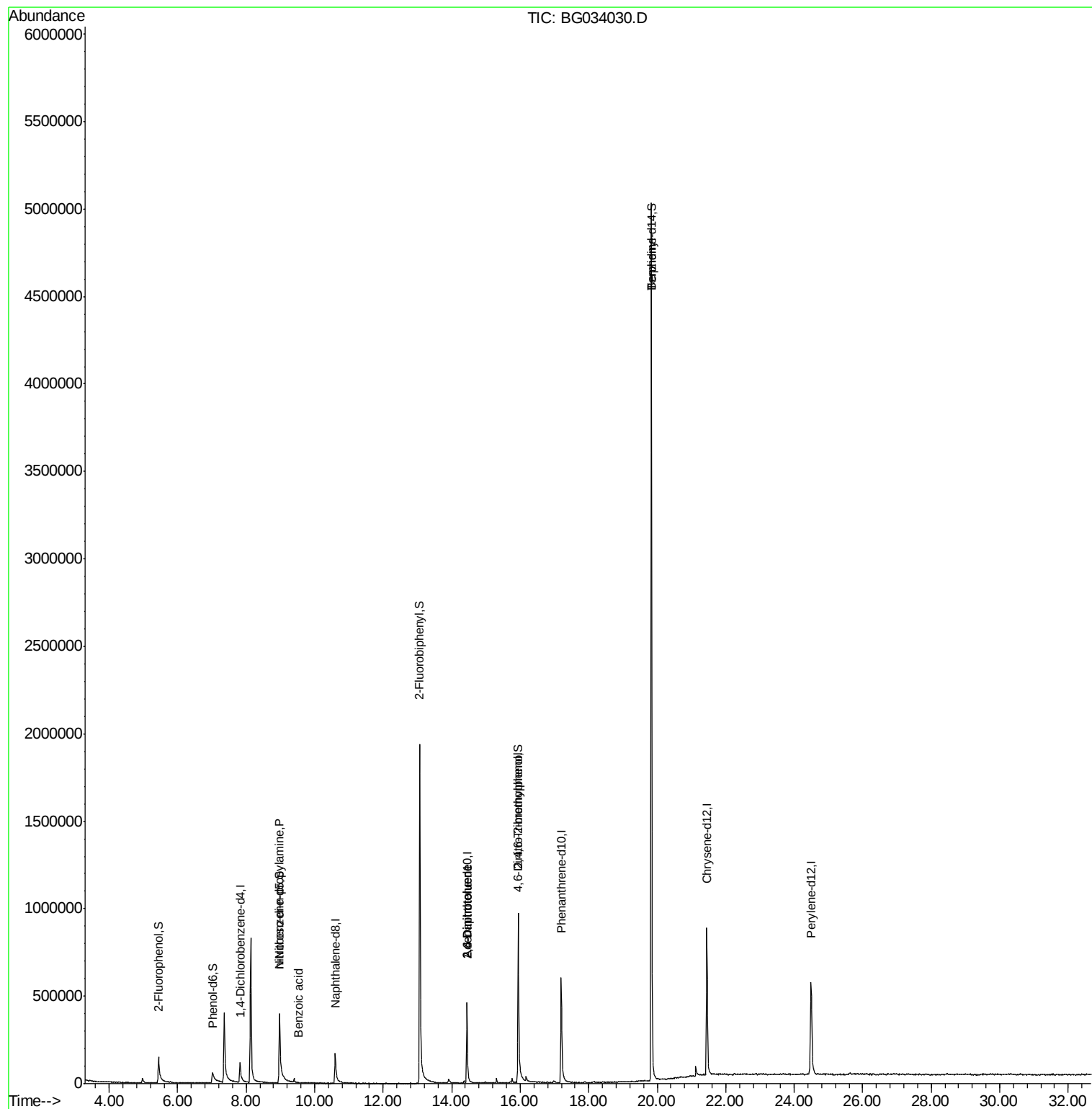
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	55959	20.00	ng	-0.02
21) Naphthalene-d8	10.60	136	268770	20.00	ng	-0.03
38) Acenaphthene-d10	14.44	164	210743	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	582010	20.00	ng	-0.03
75) Chrysene-d12	21.45	240	629515	20.00	ng	-0.04
86) Perylene-d12	24.49	264	637722	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	140583	40.11	ng	-0.01
7) Phenol-d6	7.02	99	90128	17.63	ng	0.01
23) Nitrobenzene-d5	8.97	82	430025	91.05	ng	-0.02
41) 2,4,6-Tribromophenol	15.94	330	277650	112.93	ng	-0.03
44) 2-Fluorobiphenyl	13.07	172	1461572	101.88	ng	-0.03
78) Terphenyl-d14	19.83	244	2727381	97.33	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.00	77	70	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	8.97	70	52859	12.130 ng	#	5
32) Benzoic acid	9.54	122	61	5.098 ng	#	1
50) 2,6-Dinitrotoluene	14.45	165	26519	7.549 ng	#	21
56) 2,4-Dinitrotoluene	14.45	165	26870	5.752 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.93	198	686	6.701 ng		79
76) Benzydine	19.83	184	42402	2.494 ng	#	91

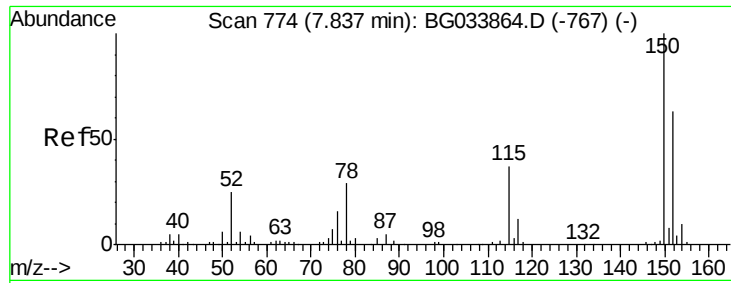
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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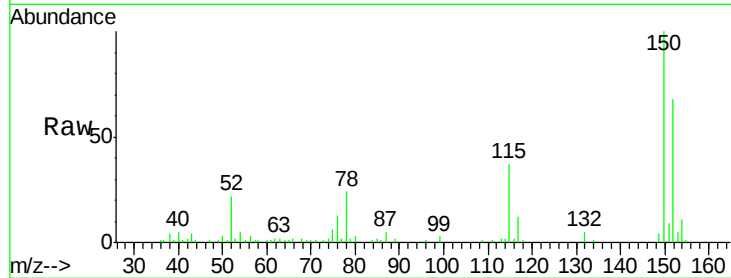


#1

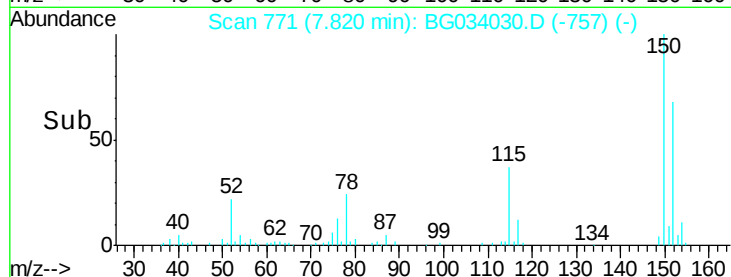
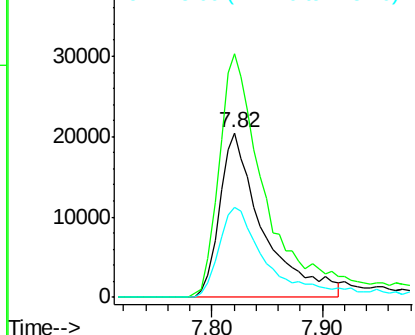
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 771
Delta R.T. -0.02 min
Lab File: BG034030.D
Acq: 27 Apr 2018 3:07

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

Tgt Ion:152 Resp: 55959
Ion Ratio Lower Upper
152 100
150 147.7 126.6 189.8
115 54.8 53.0 79.4



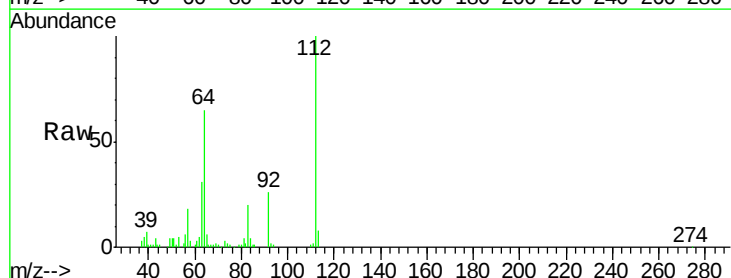
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



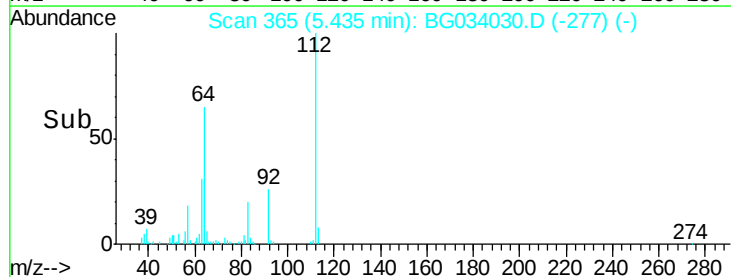
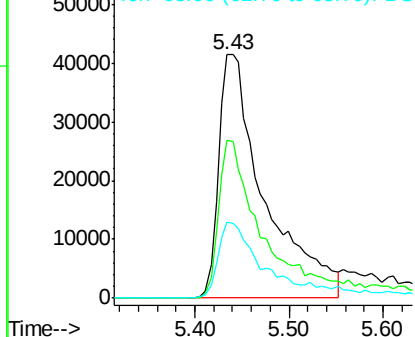
#5

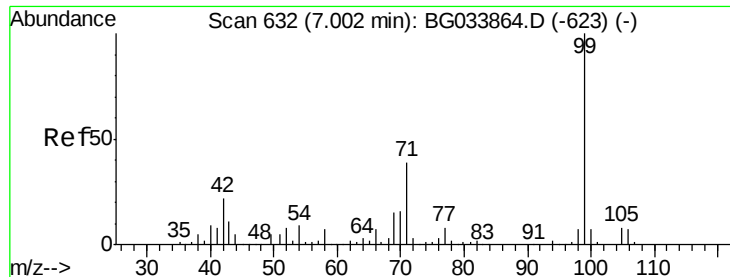
2-Fluorophenol
Concen: 40.109 ng
RT: 5.43 min Scan# 365
Delta R.T. -0.01 min
Lab File: BG034030.D
Acq: 27 Apr 2018 3:07

Tgt Ion:112 Resp: 140583
Ion Ratio Lower Upper
112 100
64 64.8 56.3 84.5
63 31.1 30.1 45.1



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





#7

Phenol-d6

Concen: 17.630 ng

RT: 7.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: BG034030.D

Acq: 27 Apr 2018 3:07

Instrument :

BNA_G

ClientSampleId :

042418-SIDI-E-D-M

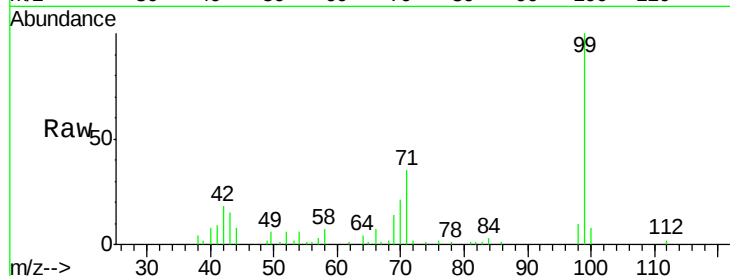
Tgt Ion: 99 Resp: 90128

Ion Ratio Lower Upper

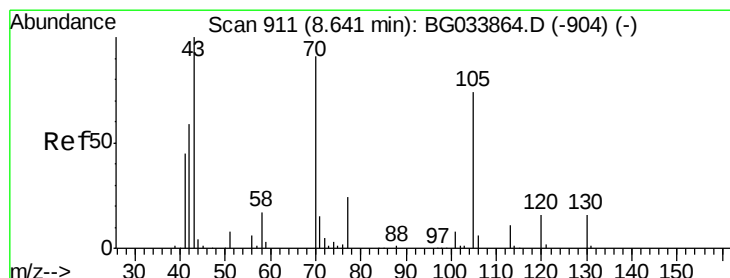
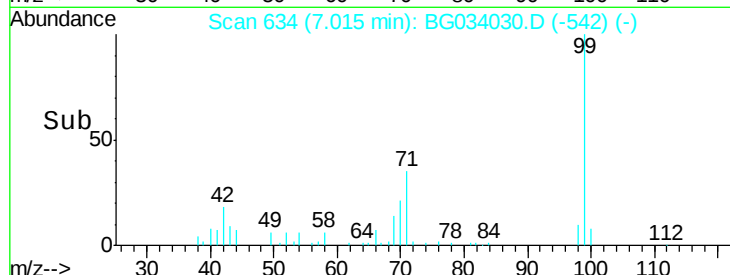
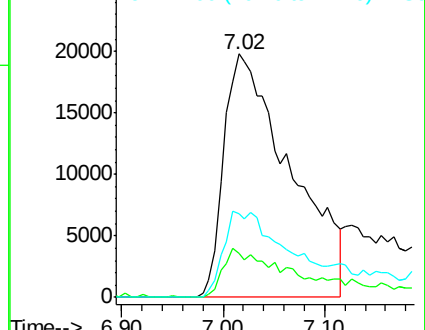
99 100

42 18.0 14.1 21.1

71 34.5 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: 12.130 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034030.D

Acq: 27 Apr 2018 3:07

Tgt Ion: 70 Resp: 52859

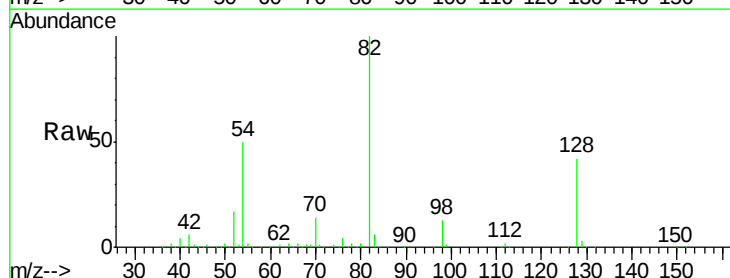
Ion Ratio Lower Upper

70 100

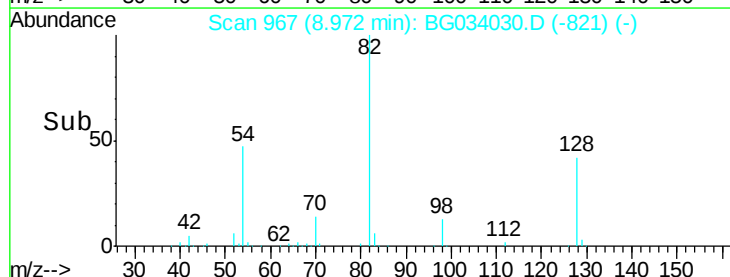
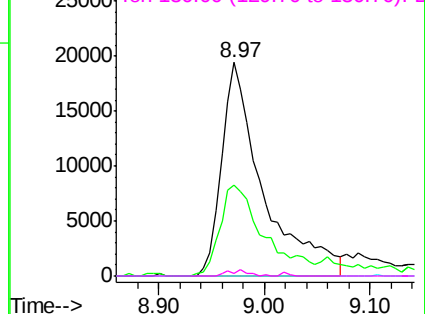
42 42.5 49.1 73.7#

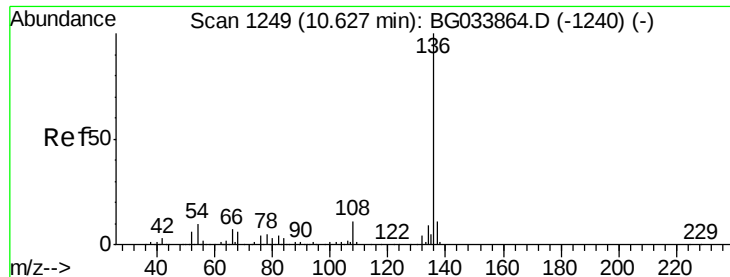
101 0.0 8.5 12.7#

130 1.4 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

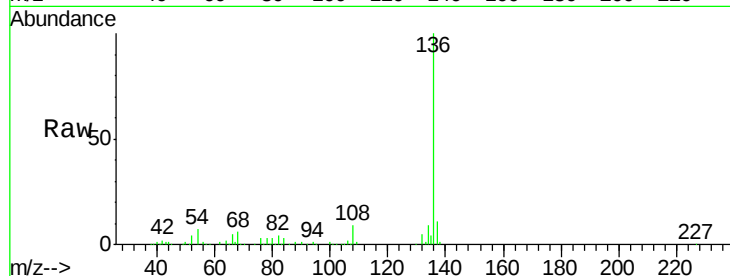




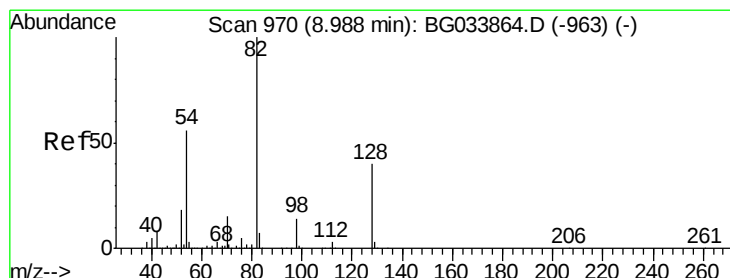
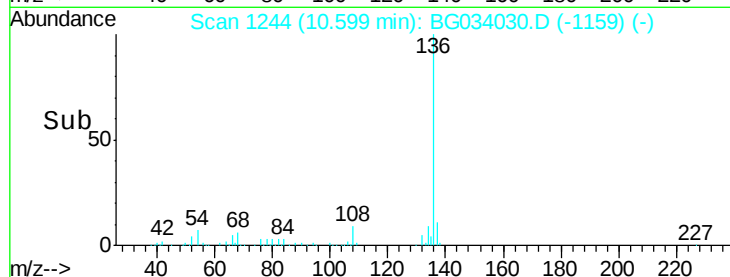
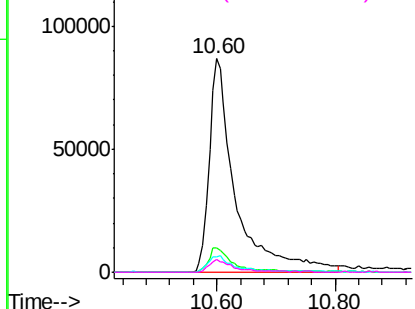
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BG034030.D
Acq: 27 Apr 2018 3:07

Instrument :
BNA_G
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042418-SIDI-E-D-M

Tgt Ion:	136	Resp:	268770
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	7.1	10.3	15.5#
68	5.9	4.5	6.7

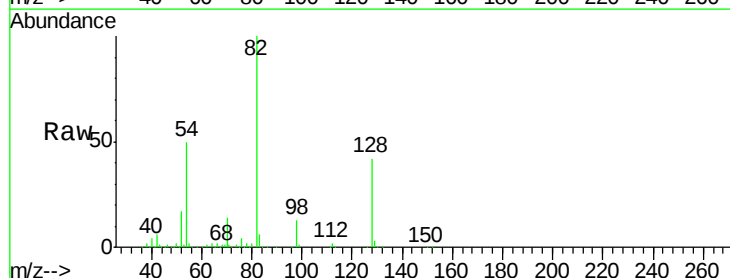


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

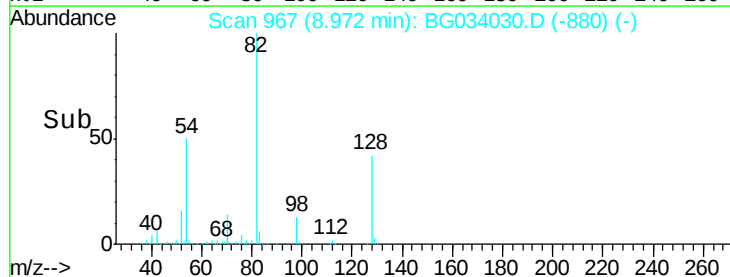
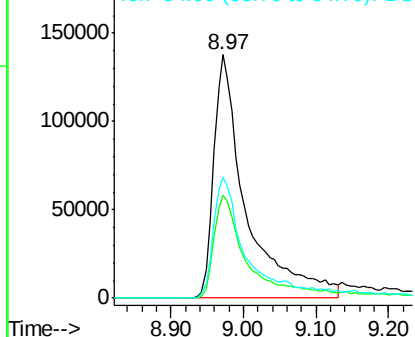


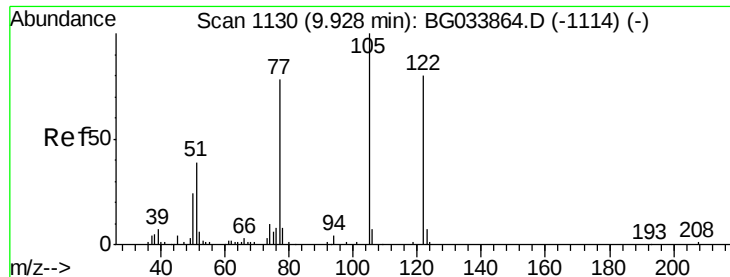
#23
Nitrobenzene-d5
Concen: 91.054 ng
RT: 8.97 min Scan# 967
Delta R.T. -0.02 min
Lab File: BG034030.D
Acq: 27 Apr 2018 3:07

Tgt Ion:	82	Resp:	430025
Ion	Ratio	Lower	Upper
82	100		
128	42.0	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: 5.098 ng

RT: 9.54 min Scan# 1063

Delta R.T. -0.39 min

Lab File: BG034030.D

Acq: 27 Apr 2018 3:07

Instrument :

BNA_G

ClientSampleId :

042418-SIDI-E-D-M

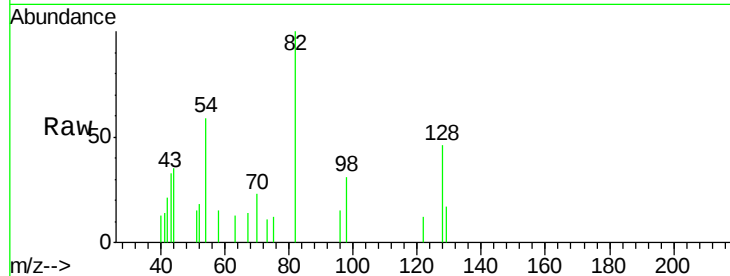
Tgt Ion:122 Resp: 61

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

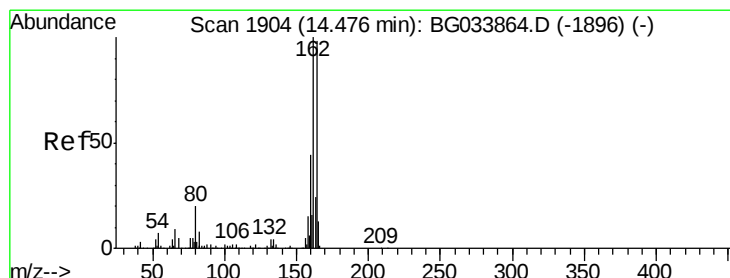
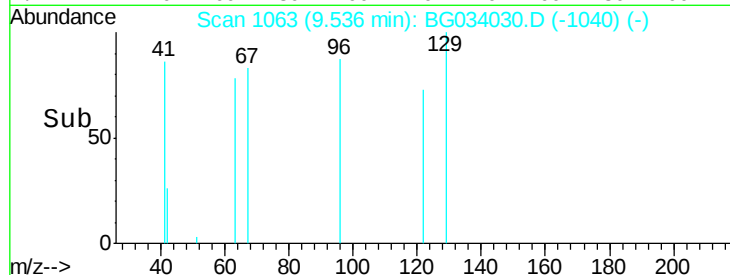
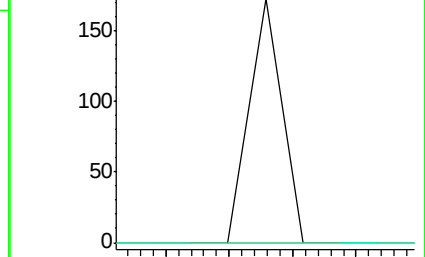
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.44 min Scan# 1898

Delta R.T. -0.03 min

Lab File: BG034030.D

Acq: 27 Apr 2018 3:07

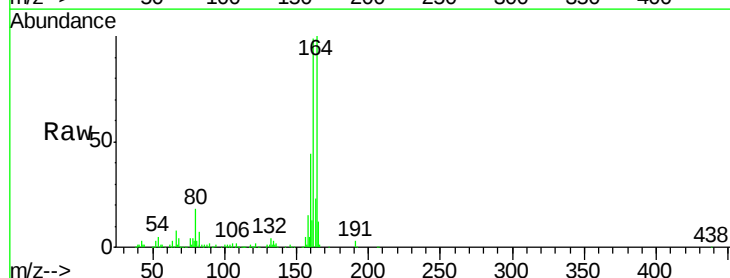
Tgt Ion:164 Resp: 210743

Ion Ratio Lower Upper

164 100

162 99.4 78.8 118.2

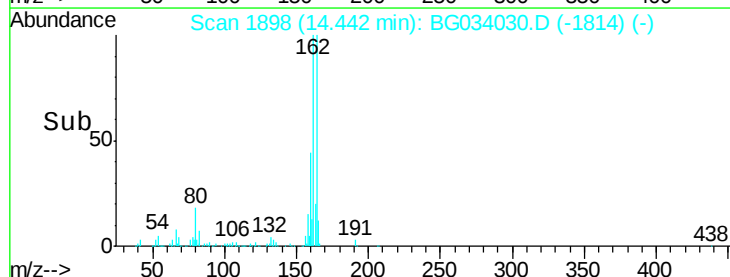
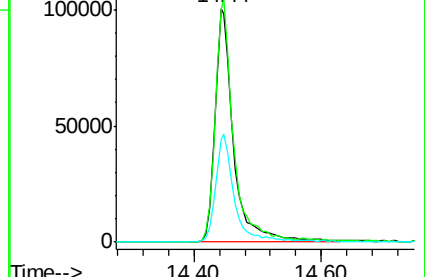
160 43.9 35.4 53.0

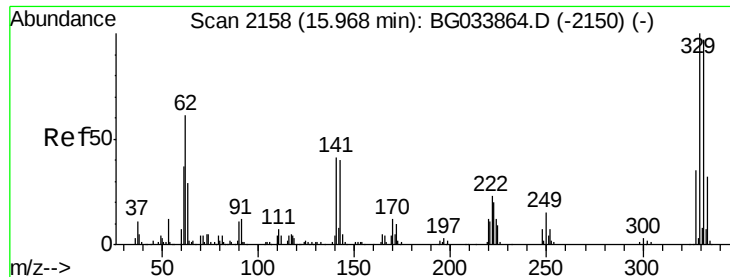


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

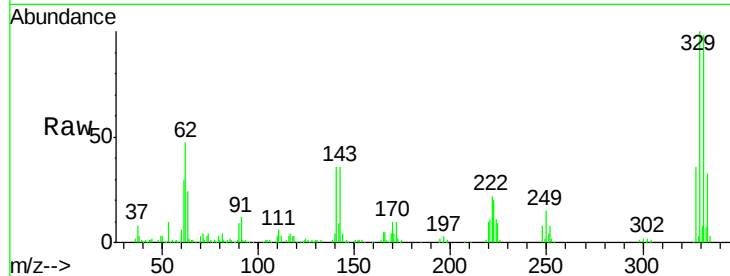




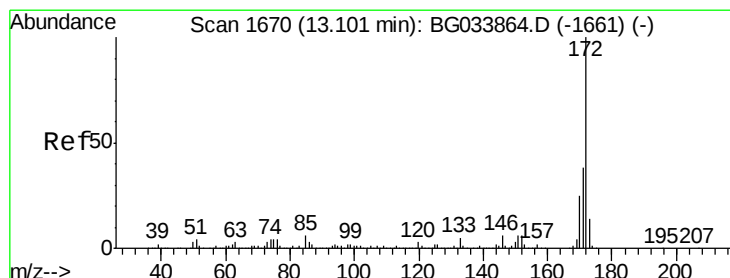
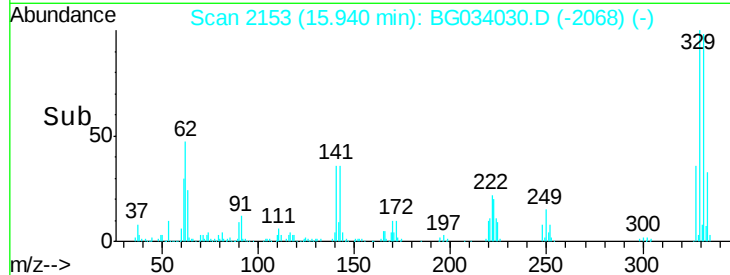
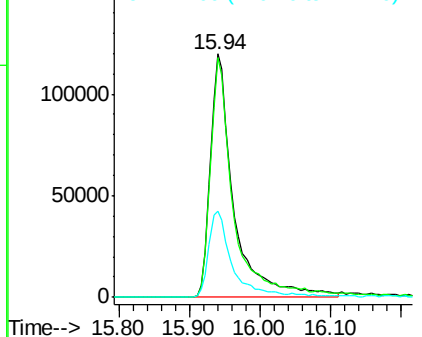
#41
 2,4,6-Tribromophenol
 Concen: 112.928 ng
 RT: 15.94 min Scan# 2153
 Delta R.T. -0.03 min
 Lab File: BG034030.D
 Acq: 27 Apr 2018 3:07

Instrument :
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 042418-SIDI-E-D-M

Tgt Ion:330 Resp: 277650
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 34.7 25.2 37.8

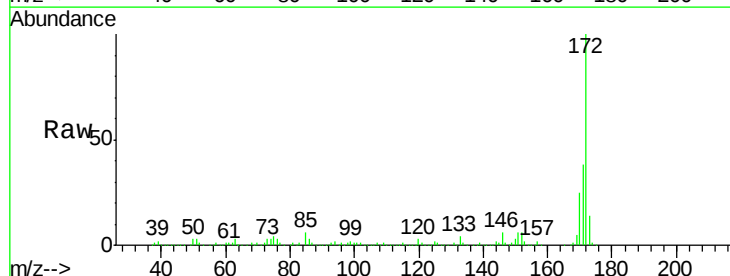


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

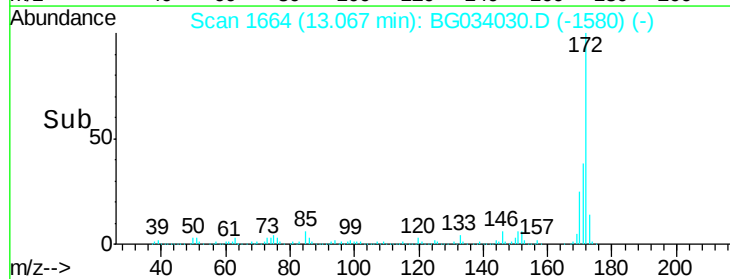
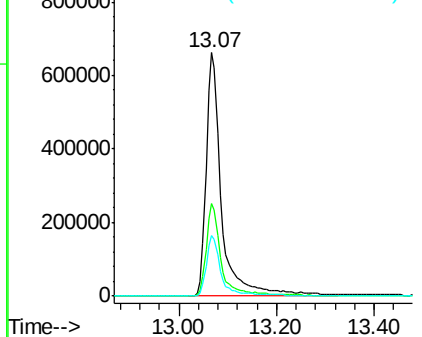


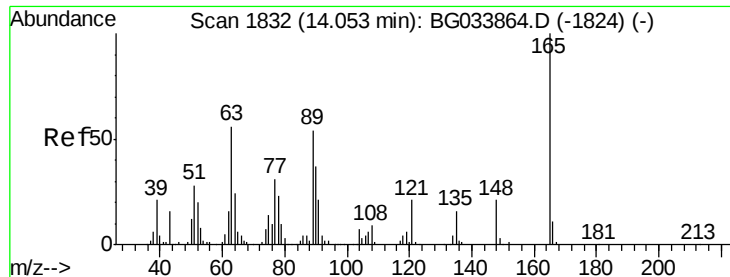
#44
 2-Fluorobiphenyl
 Concen: 101.882 ng
 RT: 13.07 min Scan# 1664
 Delta R.T. -0.03 min
 Lab File: BG034030.D
 Acq: 27 Apr 2018 3:07

Tgt Ion:172 Resp: 1461572
 Ion Ratio Lower Upper
 172 100
 171 38.2 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





#50

2,6-Dinitrotoluene

Concen: 7.549 ng

RT: 14.45 min Scan# 1899

Delta R.T. 0.39 min

Lab File: BG034030.D

Acq: 27 Apr 2018 3:07

Instrument :

BNA_G

ClientSampleId :

042418-SIDI-E-D-M

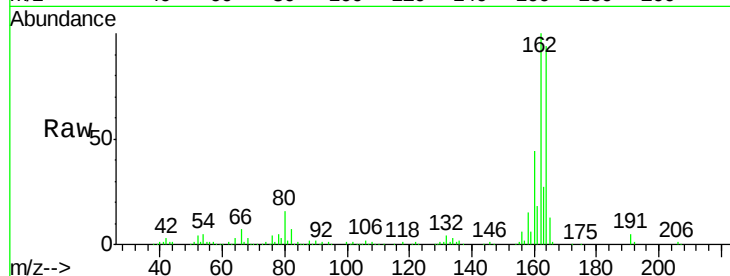
Tgt Ion:165 Resp: 26519

Ion Ratio Lower Upper

165 100

63 2.8 52.7 79.1#

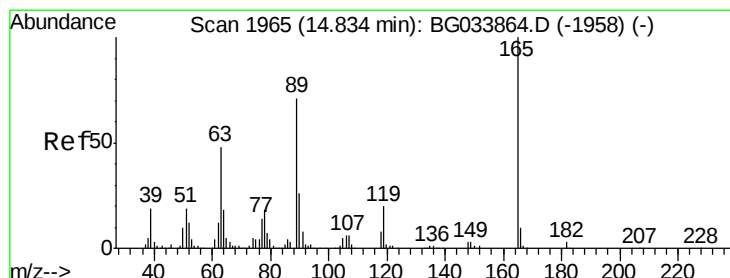
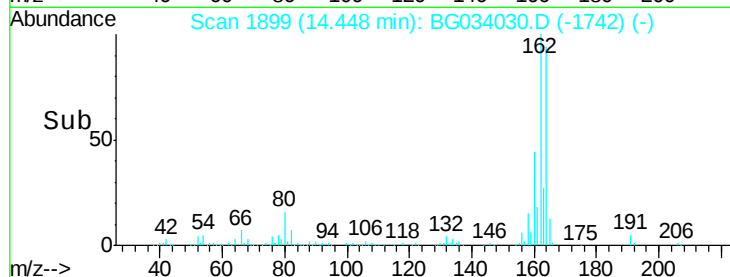
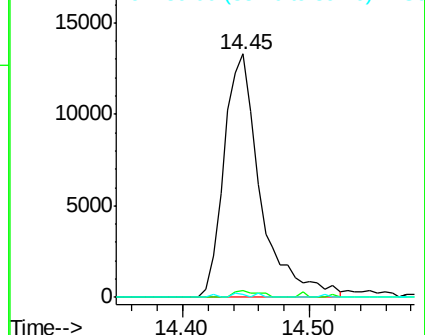
89 1.3 49.2 73.8#



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



#56

2,4-Dinitrotoluene

Concen: 5.752 ng

RT: 14.45 min Scan# 1899

Delta R.T. -0.39 min

Lab File: BG034030.D

Acq: 27 Apr 2018 3:07

Tgt Ion:165 Resp: 26870

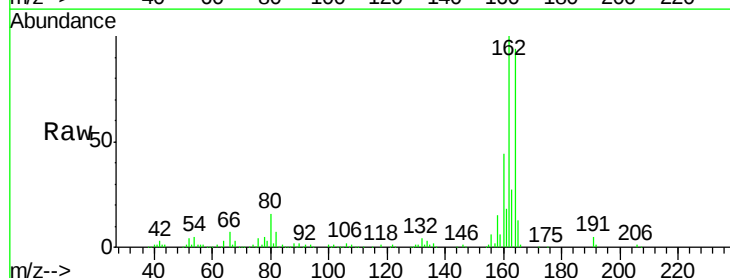
Ion Ratio Lower Upper

165 100

63 2.8 42.0 63.0#

89 1.3 66.9 100.3#

182 0.0 2.6 3.8#

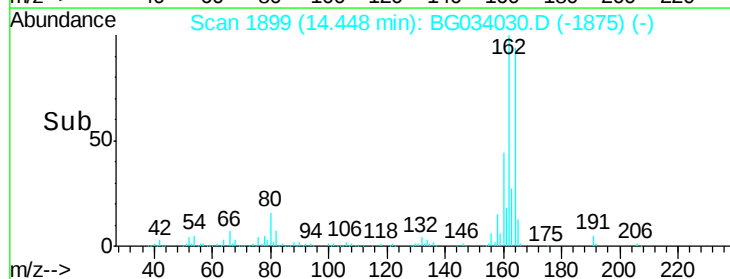
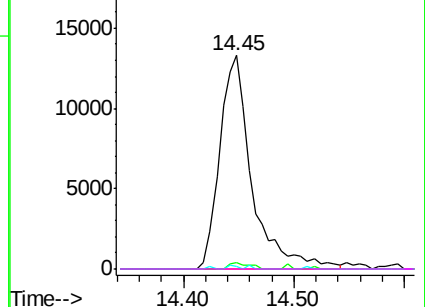


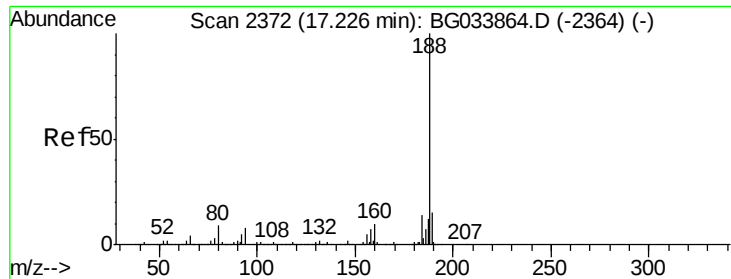
Abundance Ion 165.00 (164.70 to 165.70): E

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

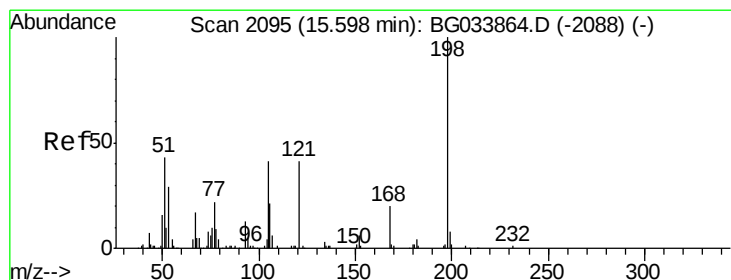
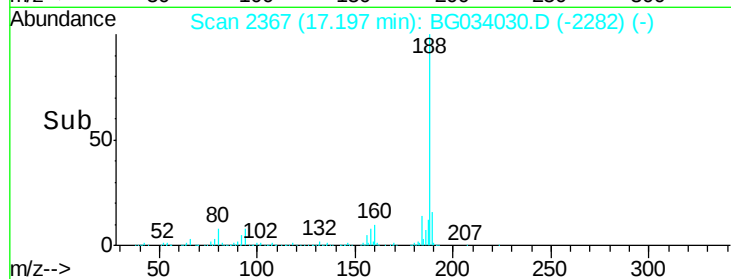
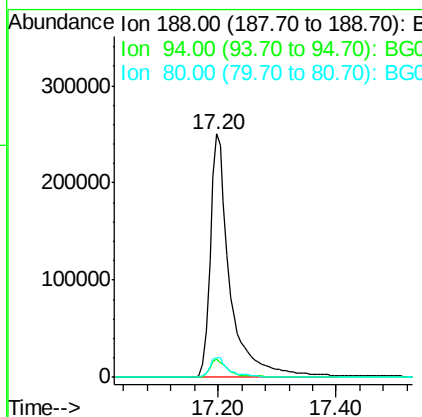
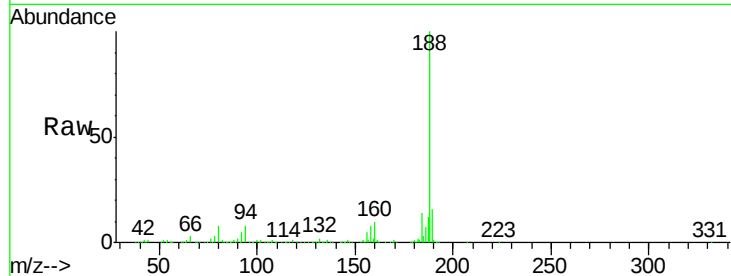




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.20 min Scan# 2367
 Delta R.T. -0.03 min
 Lab File: BG034030.D
 Acq: 27 Apr 2018 3:07

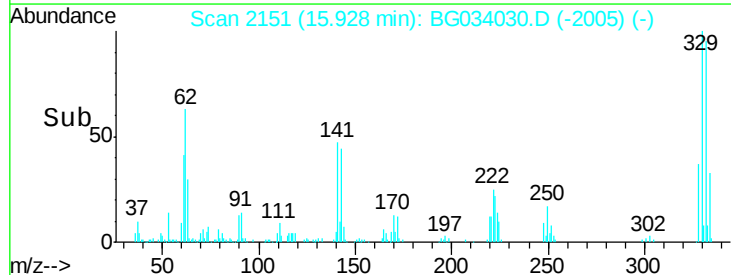
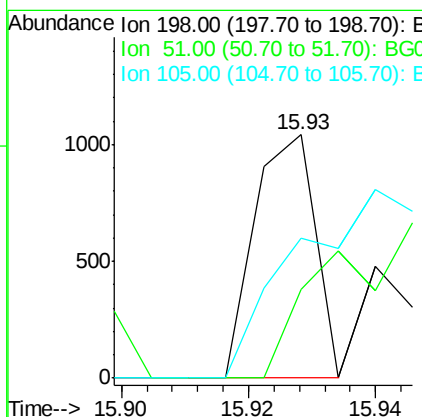
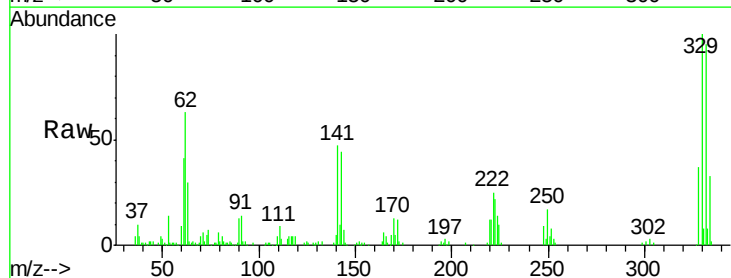
Instrument :
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 ClientSampleId :
 042418-SIDI-E-D-M

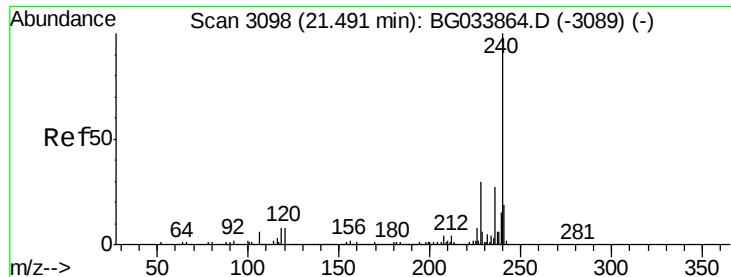
Tgt Ion:188 Resp: 582010
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.9 10.3
 80 8.2 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.701 ng
 RT: 15.93 min Scan# 2151
 Delta R.T. 0.33 min
 Lab File: BG034030.D
 Acq: 27 Apr 2018 3:07

Tgt Ion:198 Resp: 686
 Ion Ratio Lower Upper
 198 100
 51 36.7 30.6 70.6
 105 57.6 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: BG034030.D

Acq: 27 Apr 2018 3:07

Instrument :

BNA_G

ClientSampleId :

042418-SIDI-E-D-M

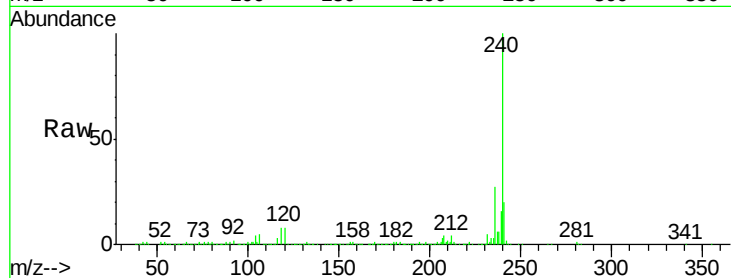
Tgt Ion:240 Resp: 629515

Ion Ratio Lower Upper

240 100

120 7.7 6.8 10.2

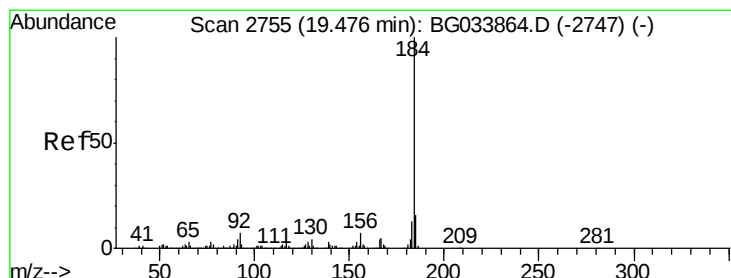
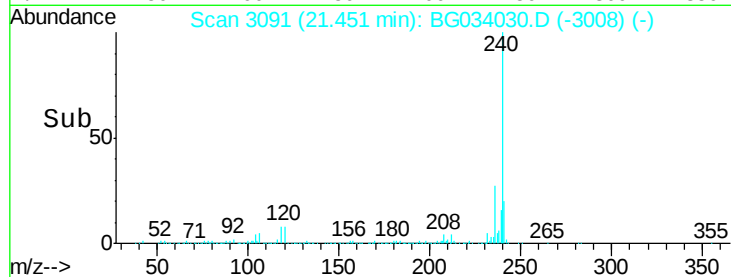
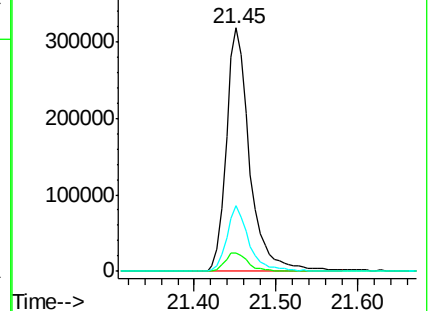
236 26.8 20.9 31.3



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: 2.494 ng

RT: 19.83 min Scan# 2815

Delta R.T. 0.35 min

Lab File: BG034030.D

Acq: 27 Apr 2018 3:07

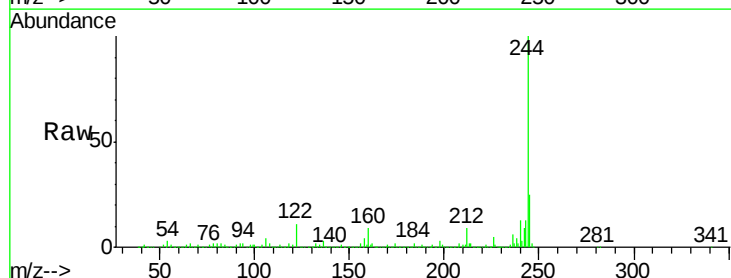
Tgt Ion:184 Resp: 42402

Ion Ratio Lower Upper

184 100

185 18.5 11.1 16.7#

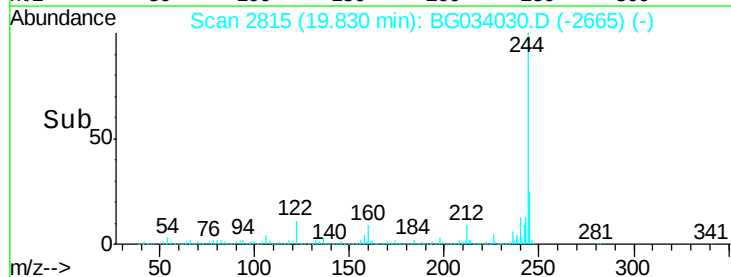
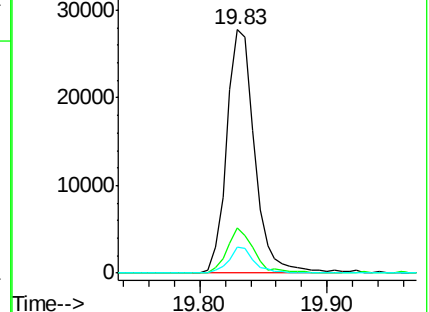
183 10.7 10.6 16.0

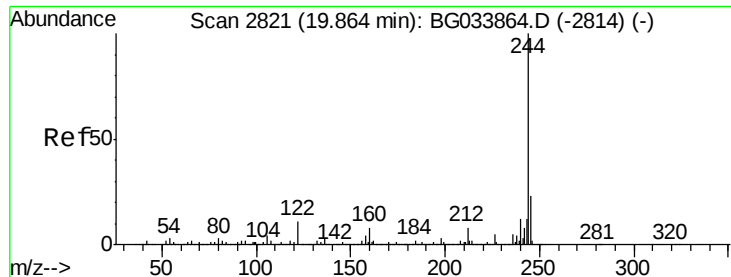


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.335 ng

RT: 19.83 min Scan# 2815

Delta R.T. -0.03 min

Lab File: BG034030.D

Acq: 27 Apr 2018 3:07

Instrument :

BNA_G

ClientSampleId :

042418-SIDI-E-D-M

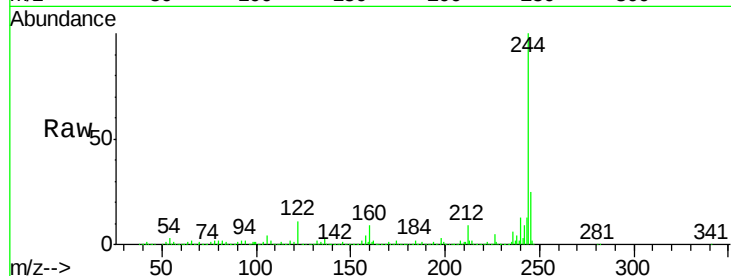
Tgt Ion:244 Resp: 2727381

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

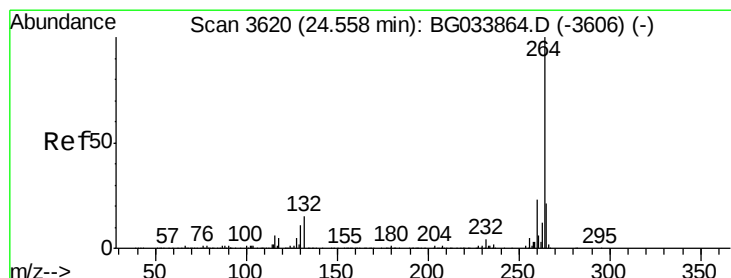
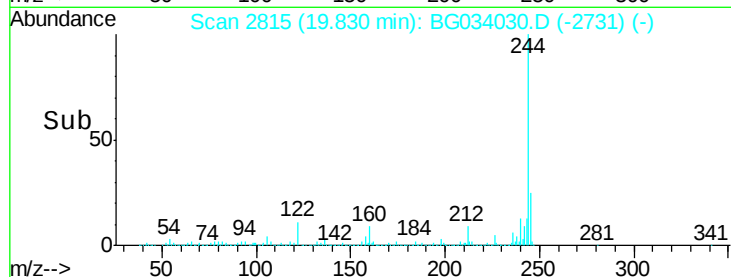
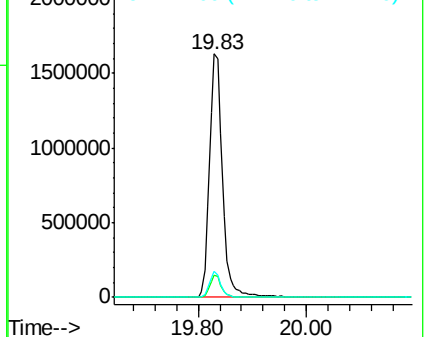
122 10.7 7.0 10.4#



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. -0.06 min

Lab File: BG034030.D

Acq: 27 Apr 2018 3:07

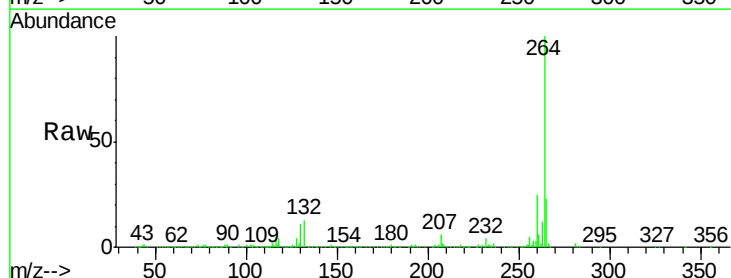
Tgt Ion:264 Resp: 637722

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.0

265 22.6 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

