

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033907.D
 Acq On : 21 Apr 2018 5:42
 Operator : SJ/JU
 Sample : J2473-10
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDI-F-U-S

Quant Time: Apr 21 06:33:27 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

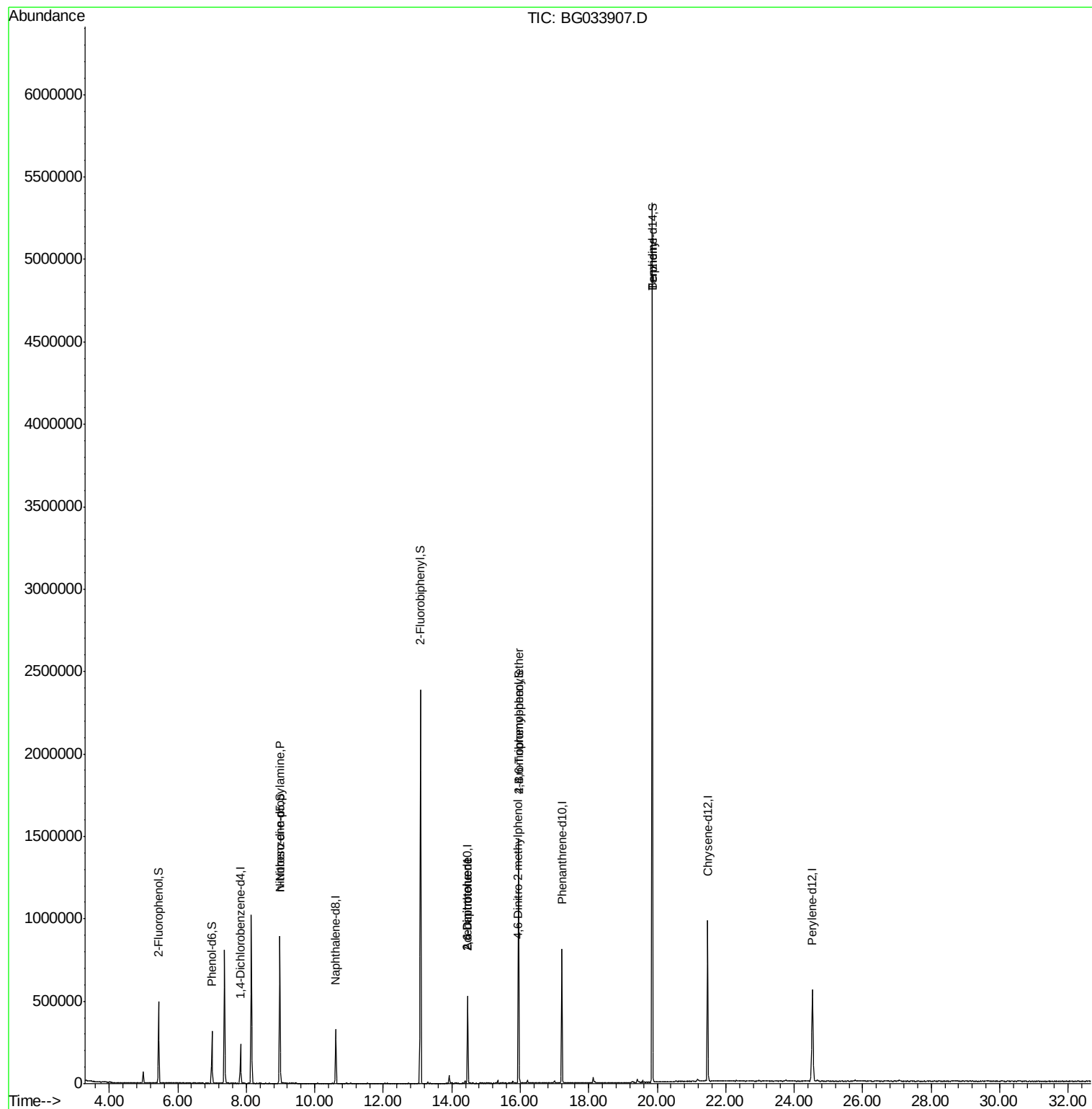
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	63164	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	272834	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	179654	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	502330	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	569864	20.00	ng	-0.02
86) Perylene-d12	24.53	264	574016	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	205165	51.86	ng	0.00
7) Phenol-d6	7.00	99	171386	29.70	ng	0.00
23) Nitrobenzene-d5	8.98	82	514596	107.34	ng	0.00
41) 2,4,6-Tribromophenol	15.96	330	257084	122.66	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1247738	102.03	ng	-0.01
78) Terphenyl-d14	19.86	244	2436547	96.06	ng	0.00
Target Compounds						
9) Benzaldehyde	7.00	77	367	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.98	70	72628	14.765 ng	#	79
50) 2,6-Dinitrotoluene	14.46	165	23621	7.887 ng	#	20
56) 2,4-Dinitrotoluene	14.46	165	23621	5.931 ng	#	17
64) 4,6-Dinitro-2-methylphenol	15.93	198	138	6.539 ng	#	56
66) 4-Bromophenyl-phenylether	15.95	248	14192	2.573 ng	#	1
76) Benizidine	19.86	184	41723	2.711 ng	#	92

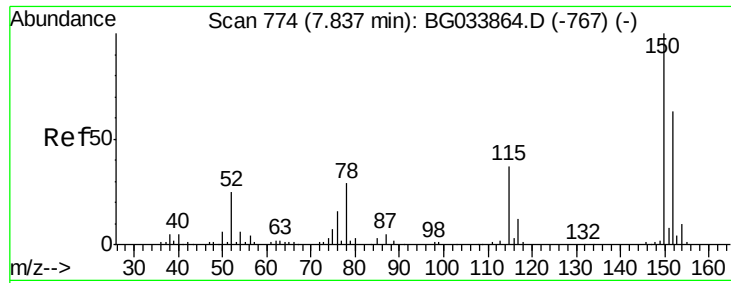
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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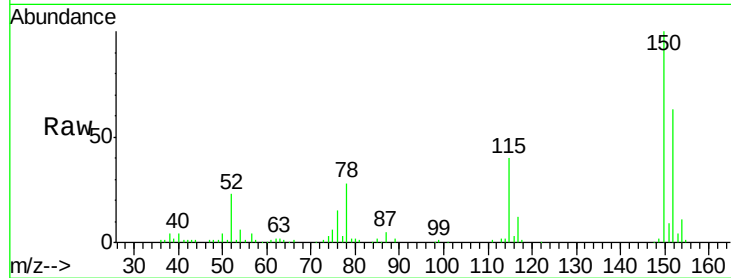


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033907.D
Acq: 21 Apr 2018 5:42

Instrument :
BNA_G
ClientSampleId :
041818-SIDI-F-U-S

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

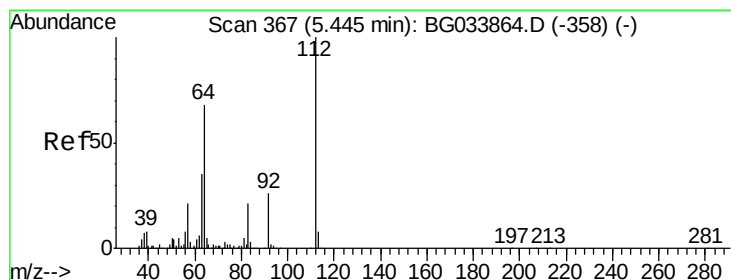
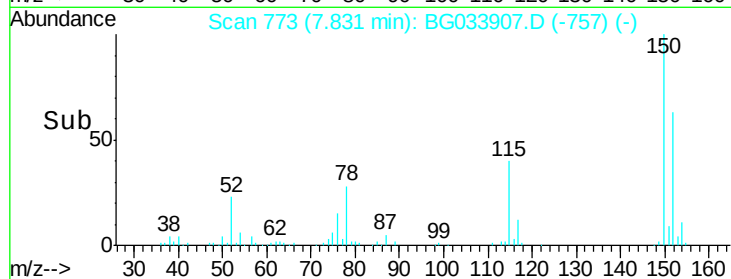
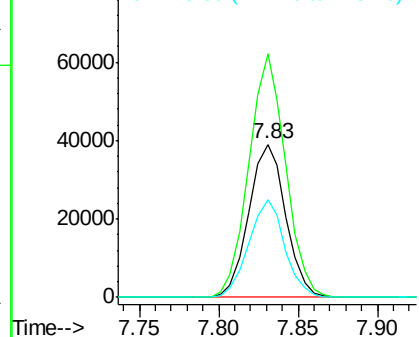


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

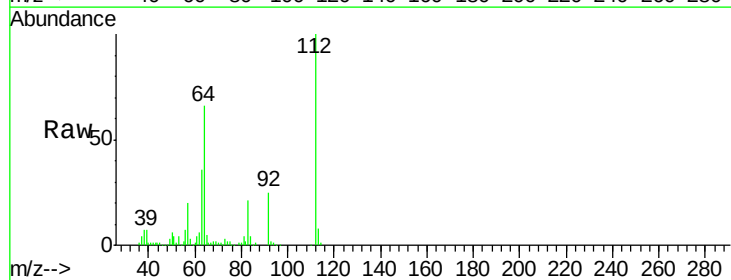
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.857 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033907.D
Acq: 21 Apr 2018 5:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	56.3	84.5
63	35.6	30.1	45.1

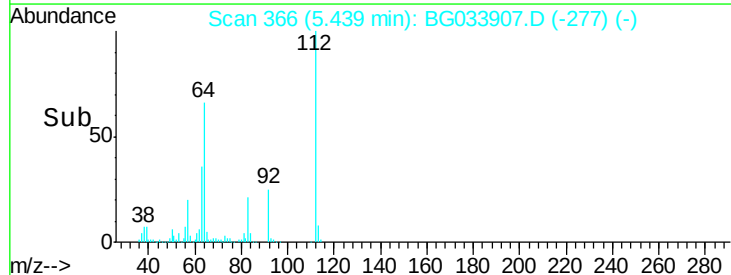
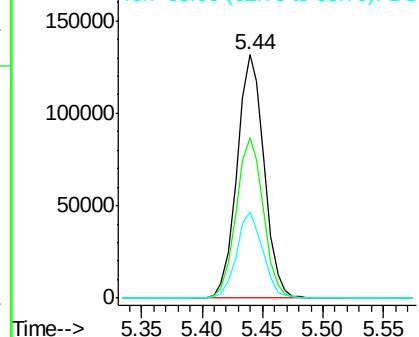


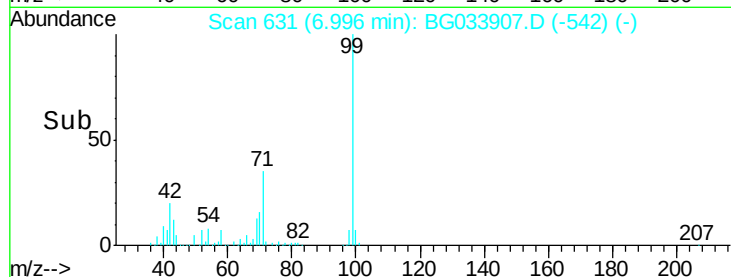
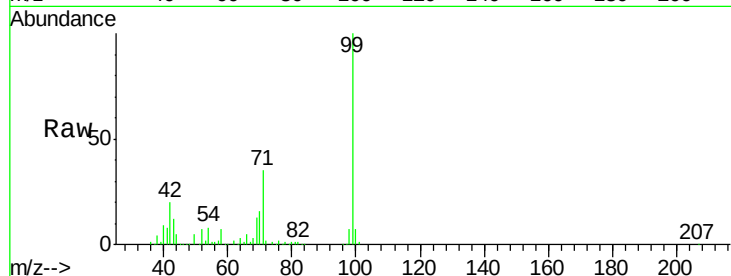
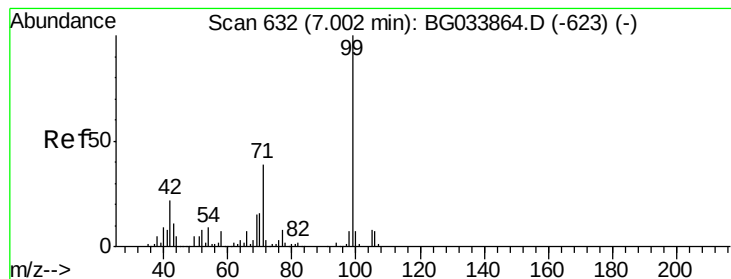
Abundance

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: 29.700 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033907.D

Acq: 21 Apr 2018 5:42

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-U-S

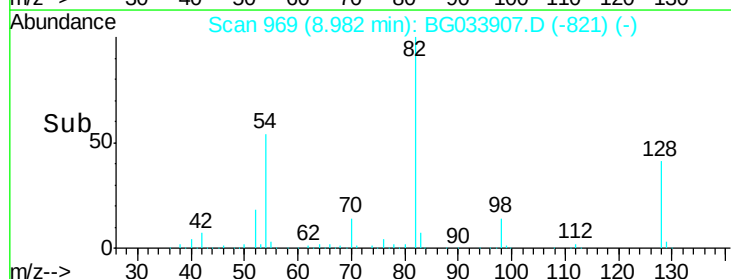
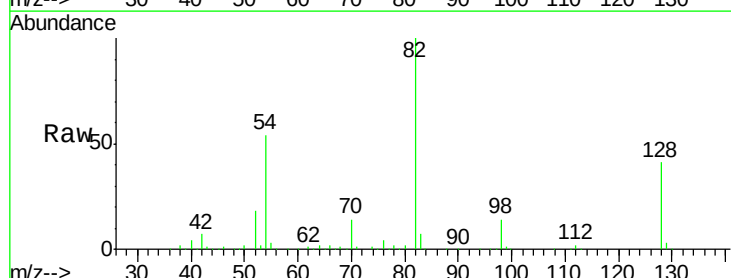
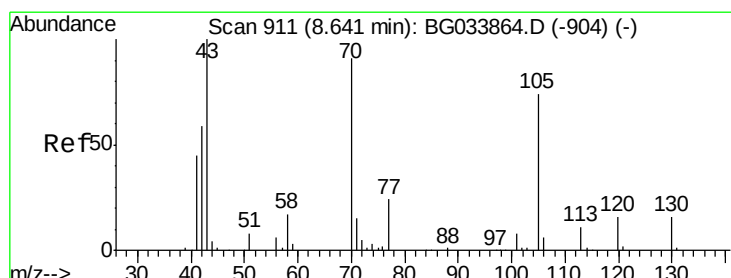
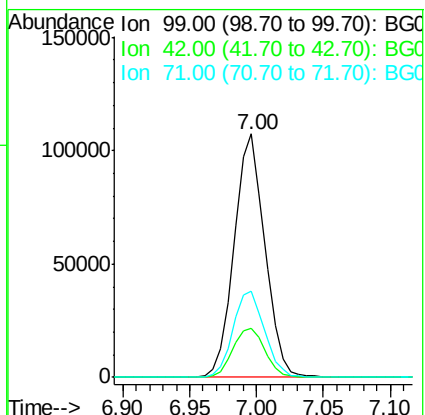
Tot Ion: 99 Resp: 171386

Ion Ratio Lower Upper

99 100

42 20.0 14.1 21.1

71 35.3 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.765 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033907.D

Acq: 21 Apr 2018 5:42

Tgt Ion: 70 Resp: 72628

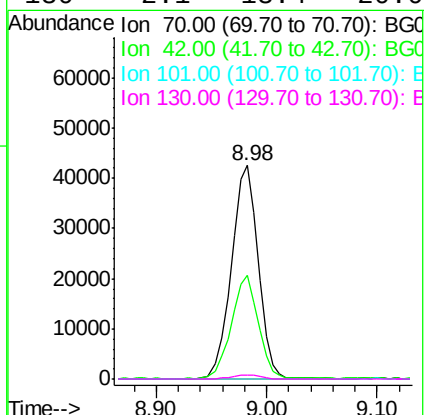
Ion Ratio Lower Upper

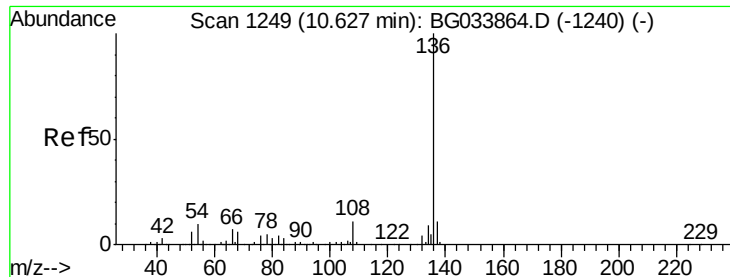
70 100

42 48.7 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

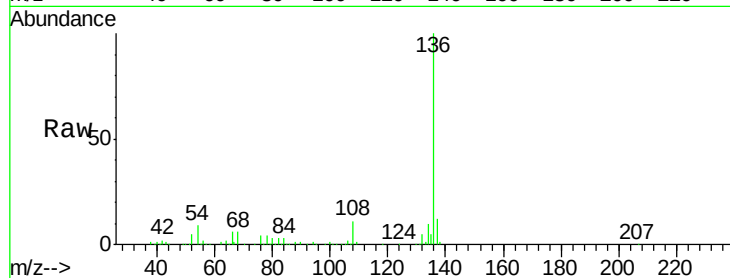




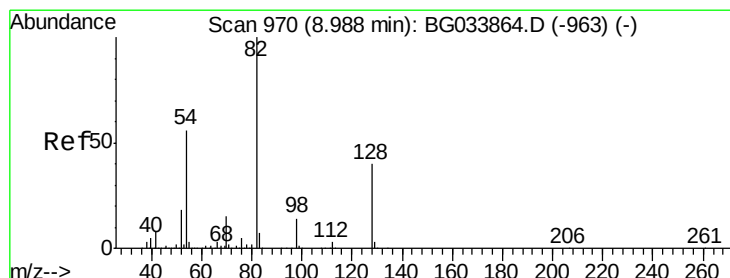
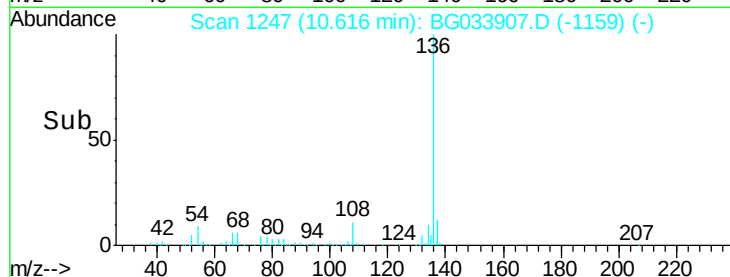
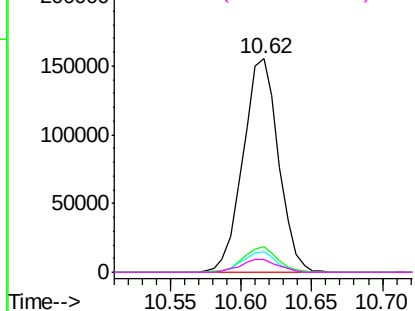
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033907.D
Acq: 21 Apr 2018 5:42

Instrument :
BNA_G
ClientSampleId :
041818-SIDI-F-U-S

Tot Ion:136	Resp:	272834
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.2 13.8
54	9.3	10.3 15.5#
68	5.8	4.5 6.7

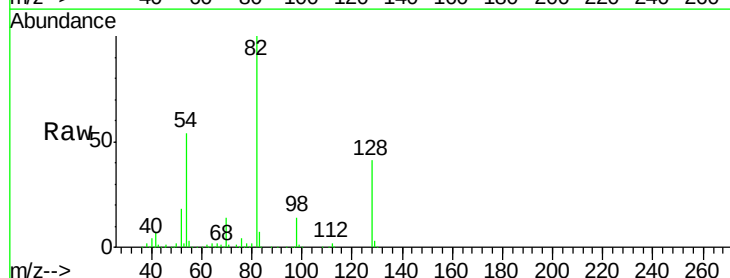


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

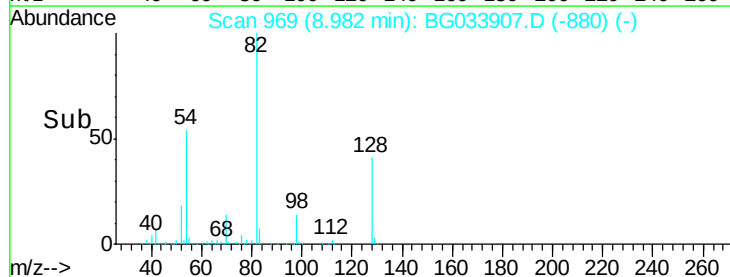
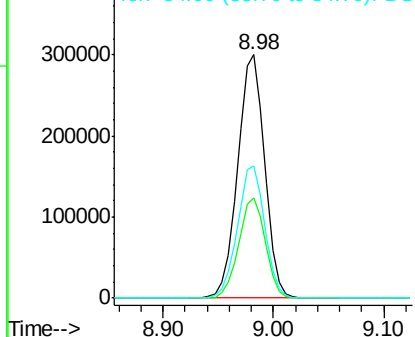


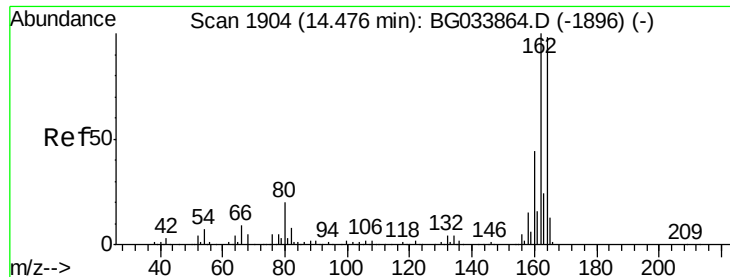
#23
Nitrobenzene-d5
Concen: 107.338 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033907.D
Acq: 21 Apr 2018 5:42

Tgt Ion: 82	Resp:	514596
Ion Ratio	Lower	Upper
82	100	
128	41.2	29.7 44.5
54	54.1	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG033907.D

Acq: 21 Apr 2018 5:42

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-U-S

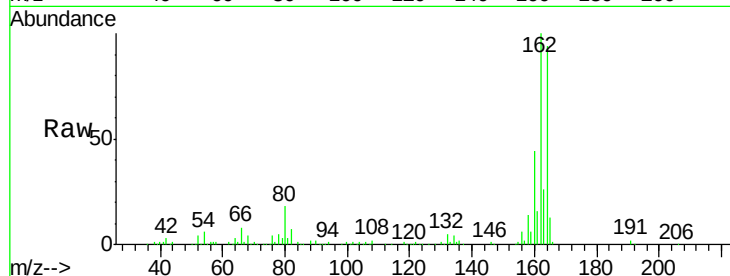
Tot Ion:164 Resp: 179654

Ion Ratio Lower Upper

164 100

162 106.0 78.8 118.2

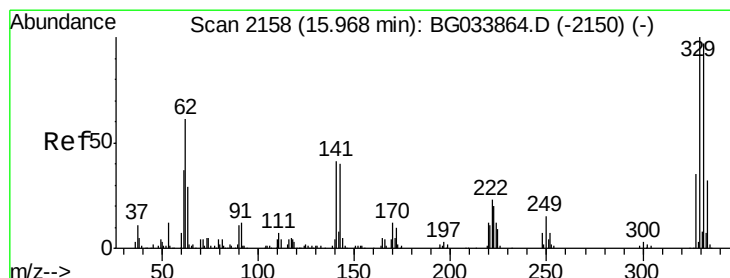
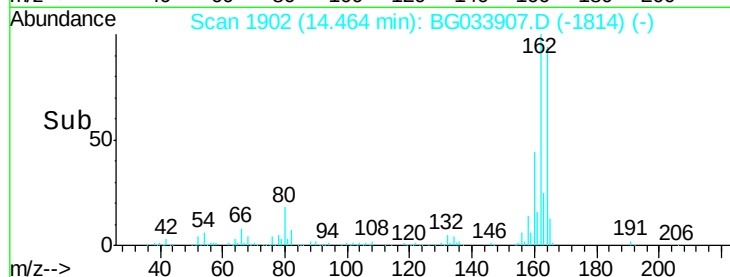
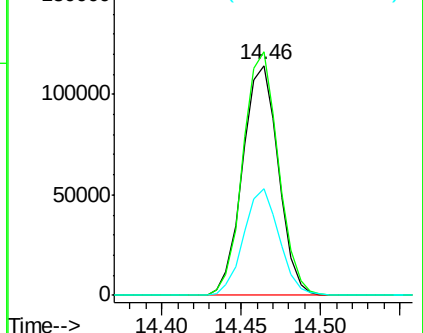
160 46.5 35.4 53.0



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: 122.657 ng

RT: 15.96 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BG033907.D

Acq: 21 Apr 2018 5:42

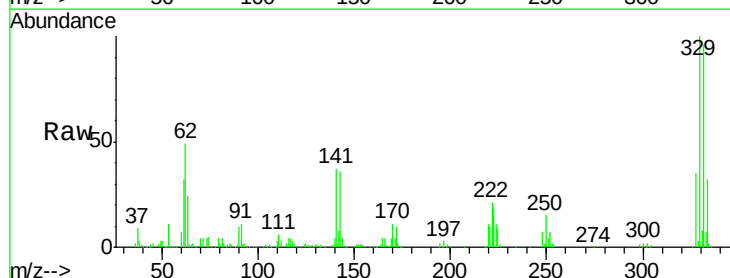
Tgt Ion:330 Resp: 257084

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

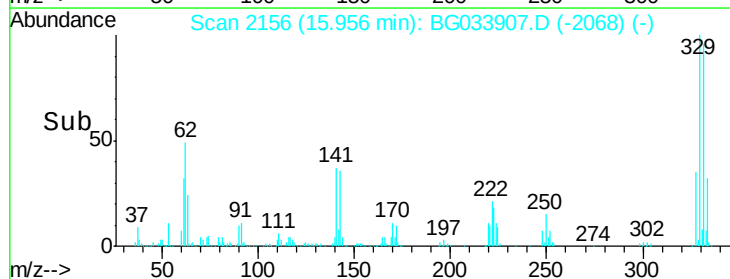
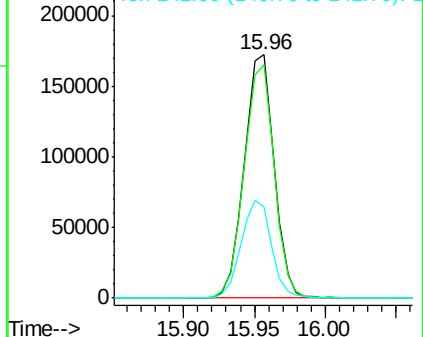
141 40.6 25.2 37.8#

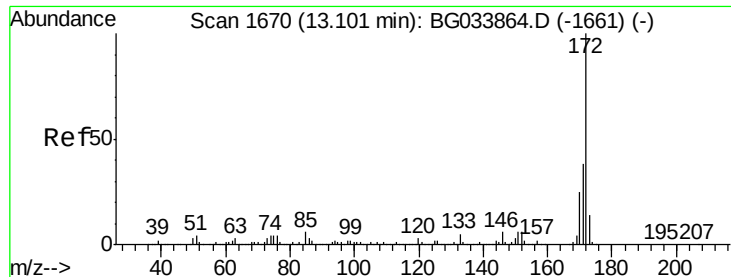


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

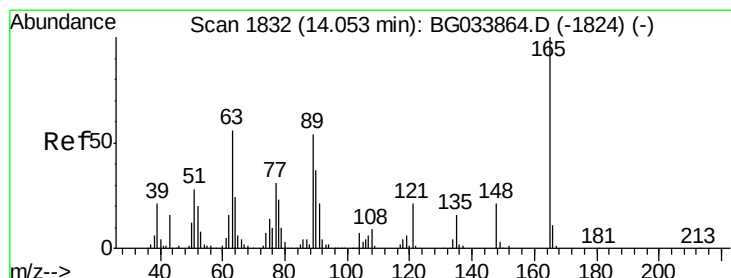
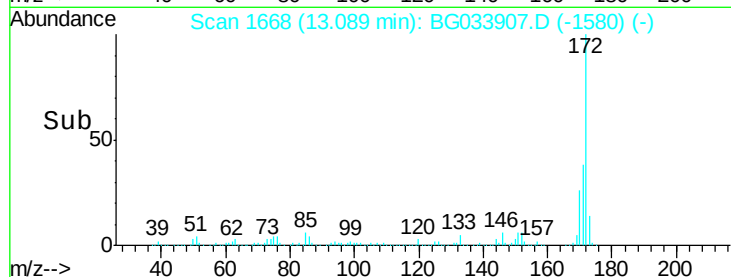
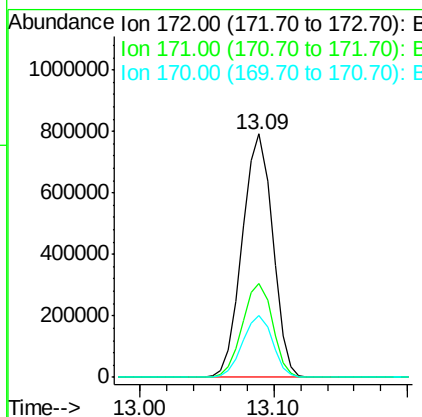
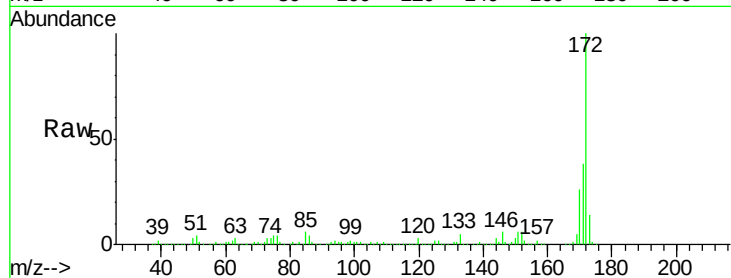




#44
2-Fluorobiphenyl
Concen: 102.027 ng
RT: 13.09 min Scan# 1668
Delta R.T. -0.01 min
Lab File: BG033907.D
Acq: 21 Apr 2018 5:42

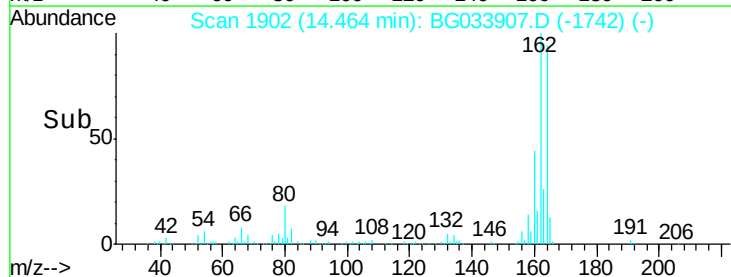
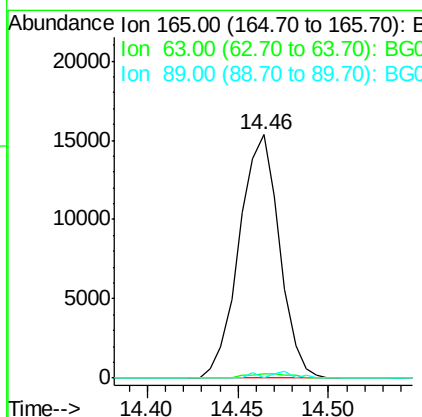
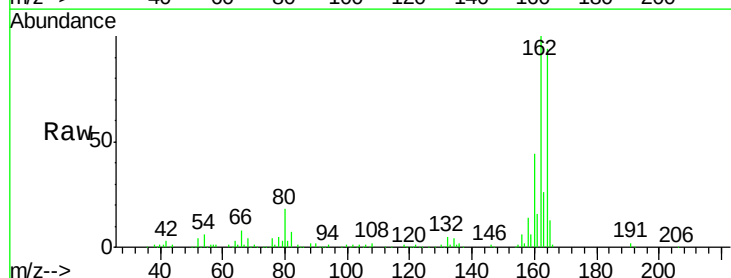
Instrument :
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041818-SIDI-F-U-S

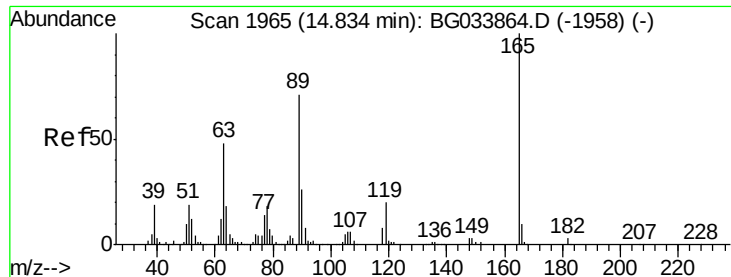
Tot Ion:172 Resp: 1247738
Ion Ratio Lower Upper
172 100
171 38.5 30.0 45.0
170 25.5 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.887 ng
RT: 14.46 min Scan# 1902
Delta R.T. 0.41 min
Lab File: BG033907.D
Acq: 21 Apr 2018 5:42

Tgt Ion:165 Resp: 23621
Ion Ratio Lower Upper
165 100
63 1.8 52.7 79.1#
89 0.0 49.2 73.8#

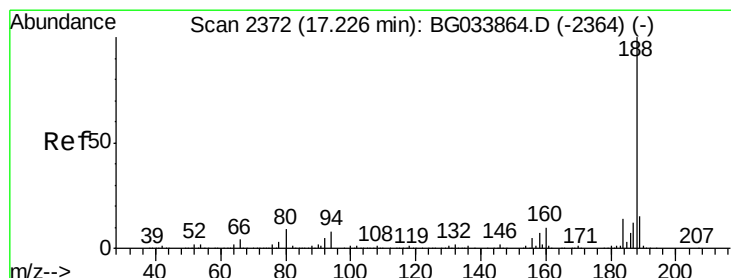
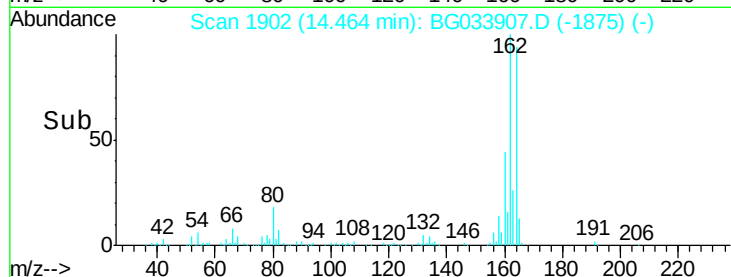
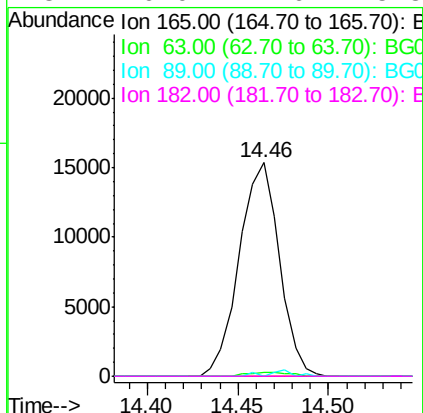
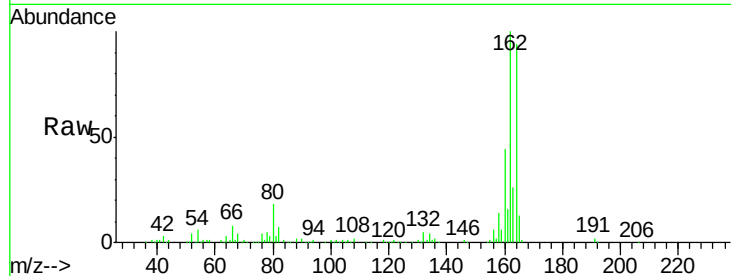




#56
2,4-Dinitrotoluene
Concen: 5.931 ng
RT: 14.46 min Scan# 1902
Delta R.T. -0.37 min
Lab File: BG033907.D
Acq: 21 Apr 2018 5:42

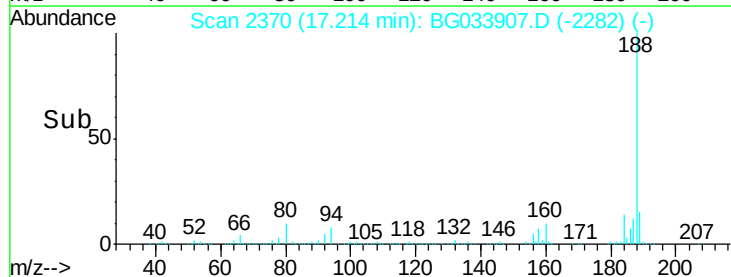
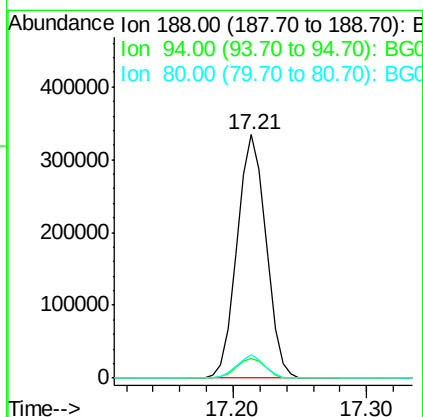
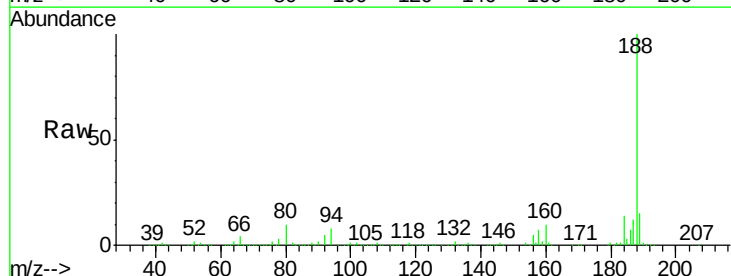
Instrument :
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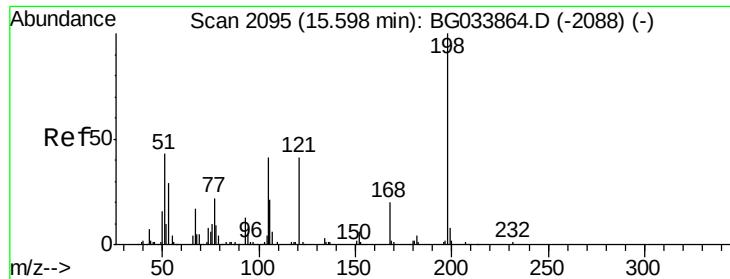
Tot Ion:165 Resp: 23621
Ion Ratio Lower Upper
165 100
63 1.8 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.21 min Scan# 2370
Delta R.T. -0.01 min
Lab File: BG033907.D
Acq: 21 Apr 2018 5:42

Tgt Ion:188 Resp: 502330
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 9.8 7.7 11.5

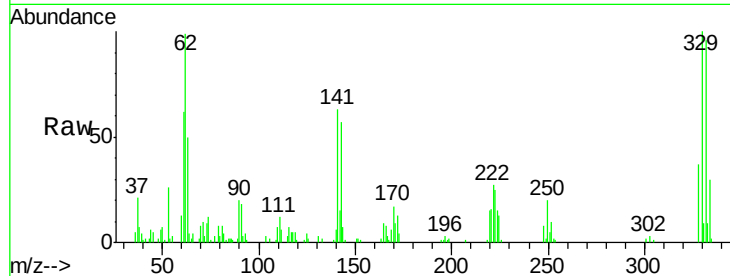




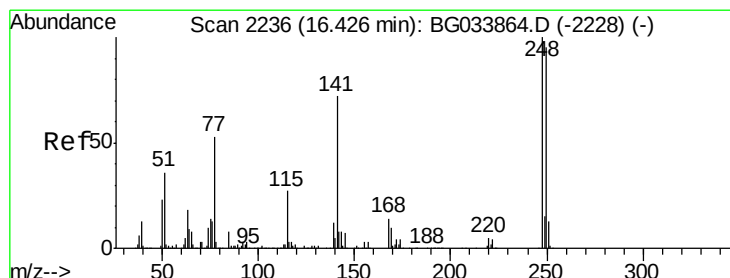
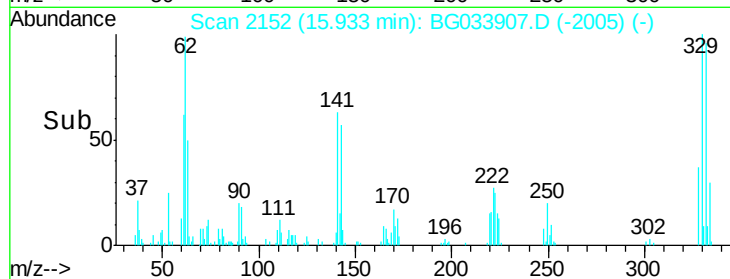
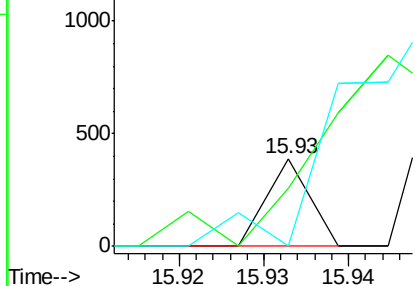
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.539 ng
 RT: 15.93 min Scan# 2152
 Delta R.T. 0.33 min
 Lab File: BG033907.D
 Acq: 21 Apr 2018 5:42

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDI-F-U-S

Tot Ion:198 Resp: 138
 Ion Ratio Lower Upper
 198 100
 51 66.2 30.6 70.6
 105 0.0 23.8 63.8#

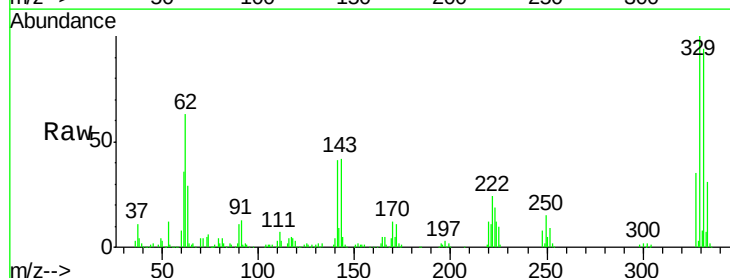


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

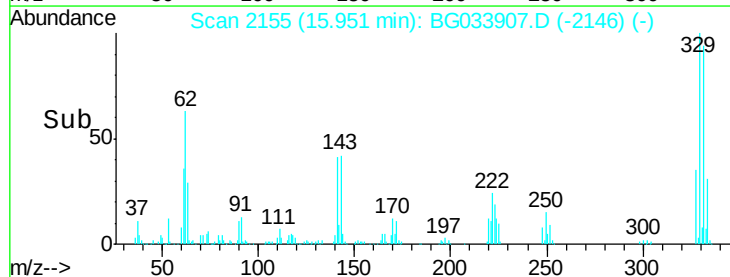
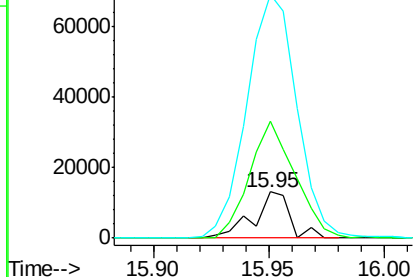


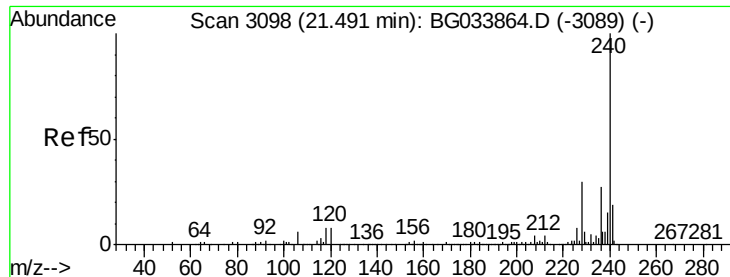
#66
 4-Bromophenyl-phenylether
 Concen: 2.573 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033907.D
 Acq: 21 Apr 2018 5:42

Tgt Ion:248 Resp: 14192
 Ion Ratio Lower Upper
 248 100
 250 194.1 77.1 115.7#
 141 405.2 50.8 76.2#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 3094

Delta R.T. -0.02 min

Lab File: BG033907.D

Acq: 21 Apr 2018 5:42

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-U-S

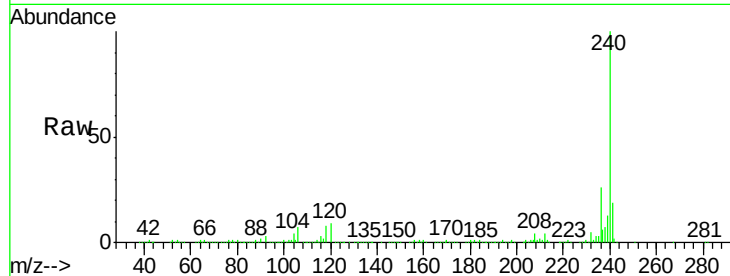
Tot Ion:240 Resp: 569864

Ion Ratio Lower Upper

240 100

120 8.8 6.8 10.2

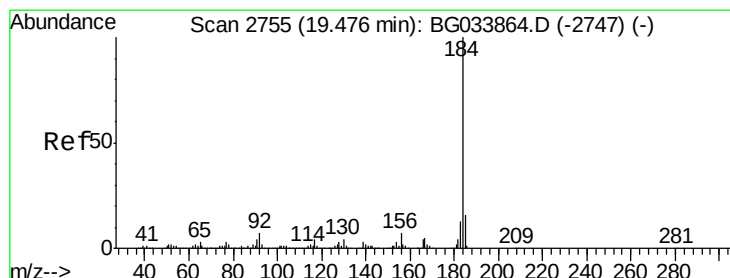
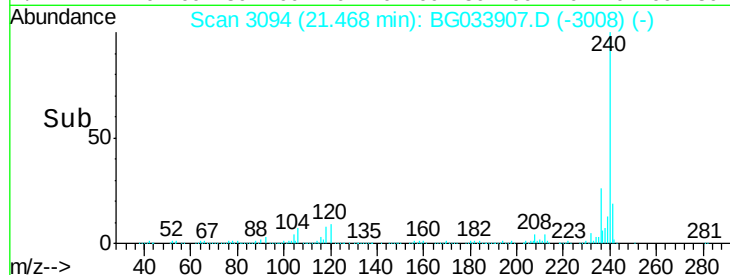
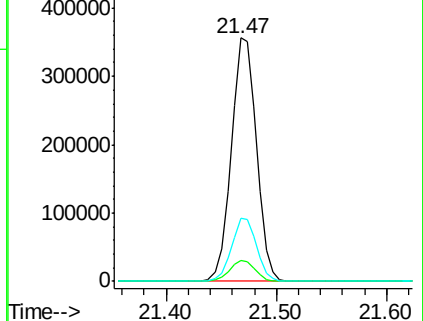
236 25.9 20.9 31.3



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: 2.711 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033907.D

Acq: 21 Apr 2018 5:42

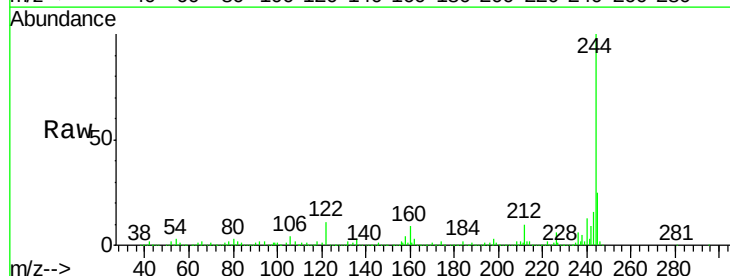
Tgt Ion:184 Resp: 41723

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

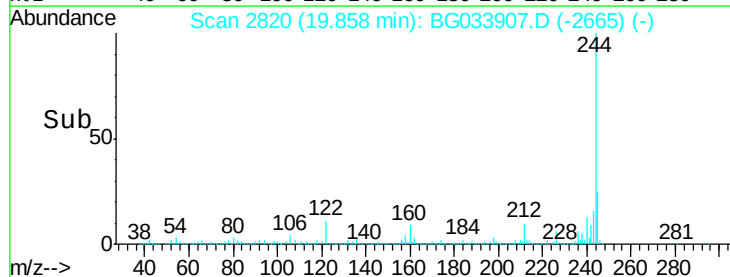
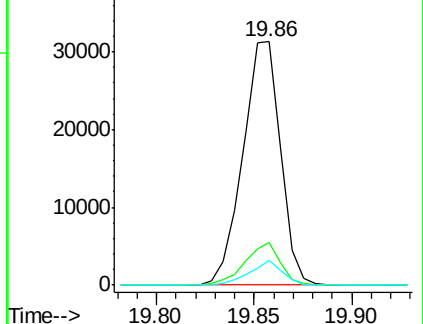
183 10.4 10.6 16.0#

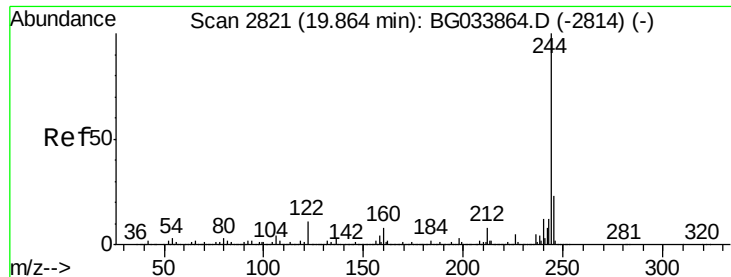


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.058 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033907.D

Acq: 21 Apr 2018 5:42

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-U-S

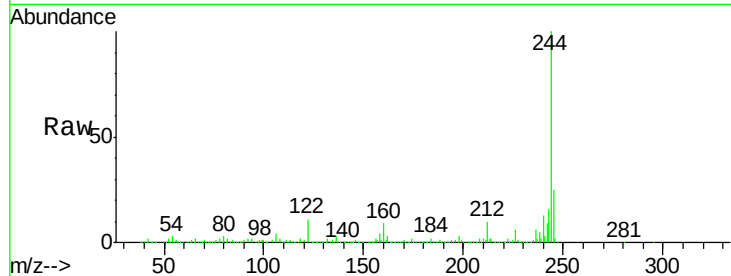
Tot Ion:244 Resp: 2436547

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

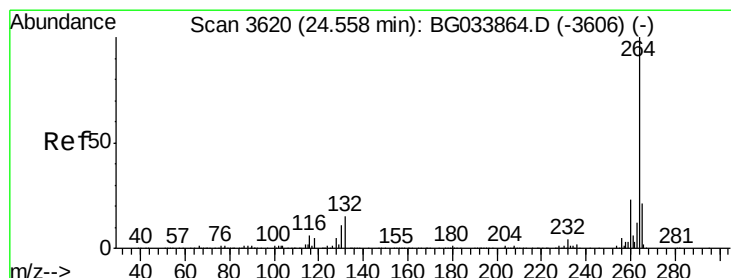
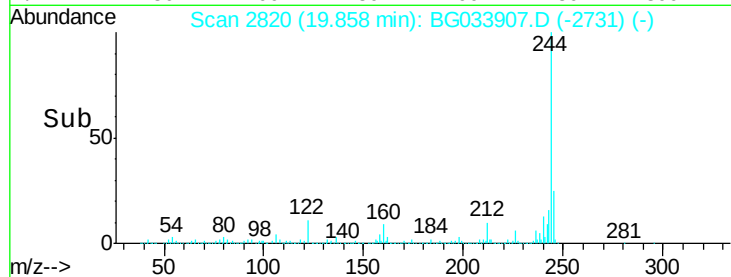
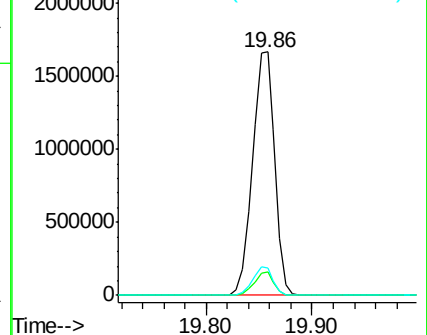
122 11.2 7.0 10.4#



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: 24.53 min Scan# 3616

Delta R.T. -0.02 min

Lab File: BG033907.D

Acq: 21 Apr 2018 5:42

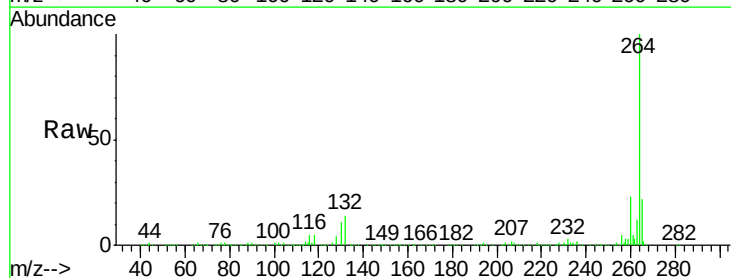
Tgt Ion:264 Resp: 574016

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 21.9 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

