

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034022.D
 Acq On : 26 Apr 2018 22:02
 Operator : SJ/JU
 Sample : J2531-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 27 01:38:56 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

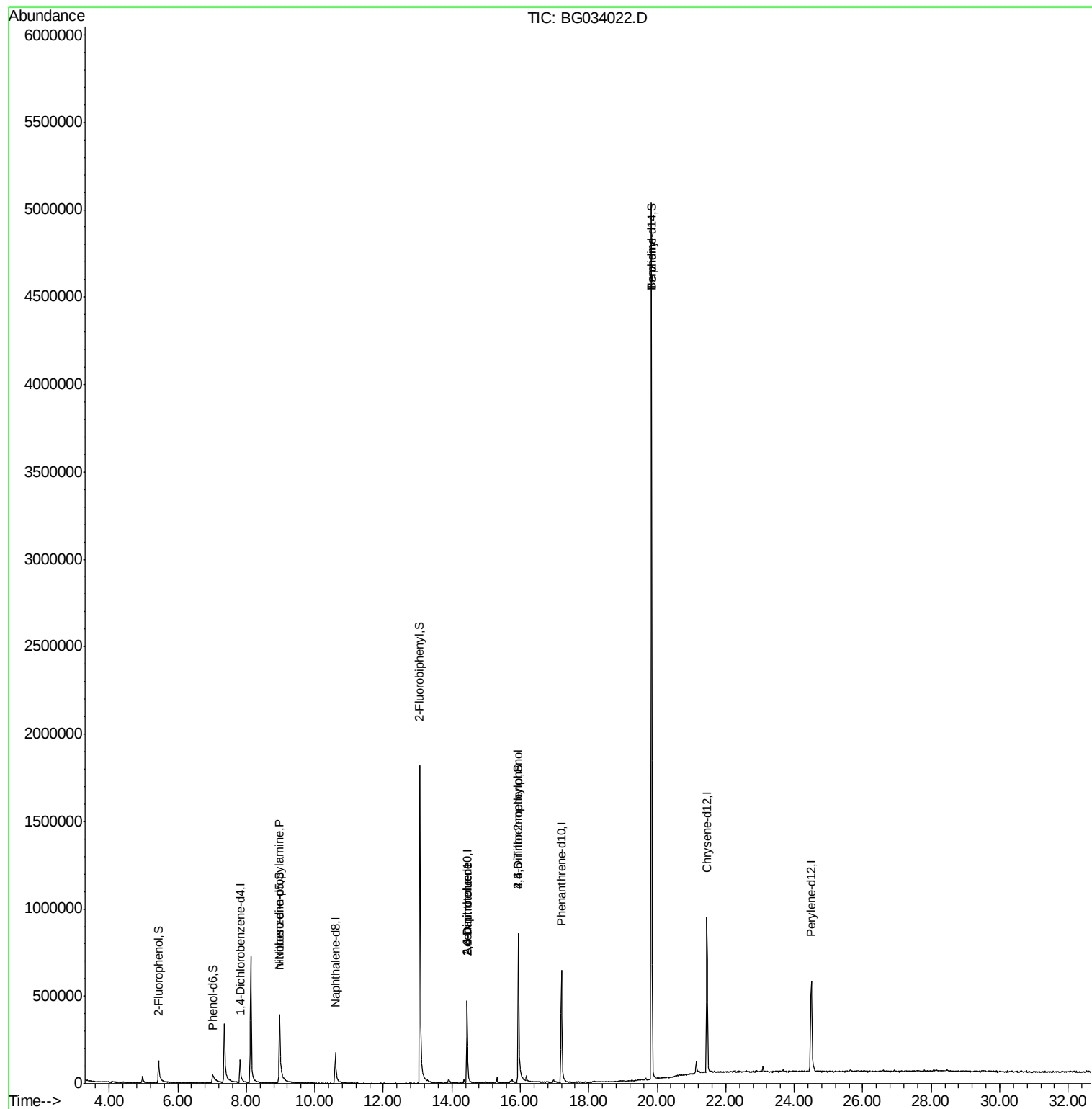
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	57304	20.00	ng	-0.02
21) Naphthalene-d8	10.60	136	265580	20.00	ng	-0.02
38) Acenaphthene-d10	14.45	164	207003	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	569017	20.00	ng	-0.02
75) Chrysene-d12	21.45	240	617585	20.00	ng	-0.04
86) Perylene-d12	24.50	264	620395	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	111737	31.13	ng	0.00
7) Phenol-d6	7.02	99	85182	16.27	ng	0.02
23) Nitrobenzene-d5	8.97	82	438547	93.97	ng	-0.02
41) 2,4,6-Tribromophenol	15.94	330	263808	109.24	ng	-0.02
44) 2-Fluorobiphenyl	13.06	172	1350374	95.83	ng	-0.04
78) Terphenyl-d14	19.83	244	2472194	89.93	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.97	70	51087	11.448	ng	# 76
50) 2,6-Dinitrotoluene	14.45	165	24504	7.101	ng	# 21
56) 2,4-Dinitrotoluene	14.45	165	24504	5.340	ng	# 19
64) 4,6-Dinitro-2-methylphenol	15.95	198	1261	6.887	ng	# 81
76) Benzidine	19.83	184	38981	2.337	ng	# 93

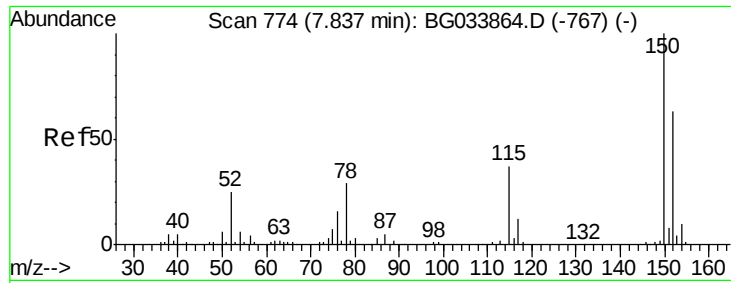
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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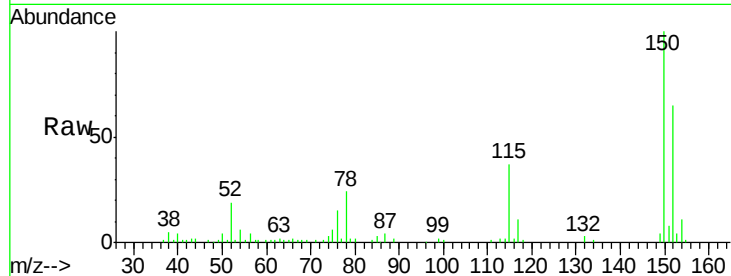


#1

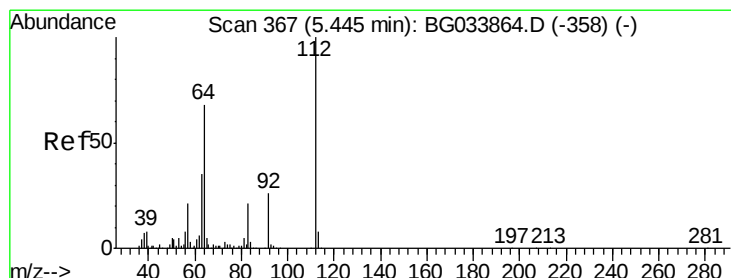
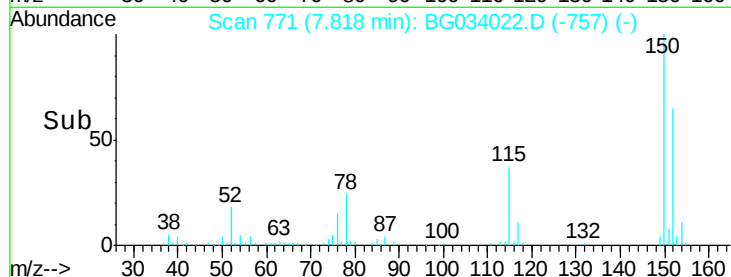
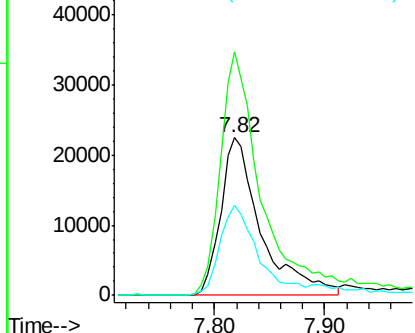
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 771
Delta R.T. -0.02 min
Lab File: BG034022.D
Acq: 26 Apr 2018 22:02

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

Tgt Ion:152 Resp: 57304
Ion Ratio Lower Upper
152 100
150 154.6 126.6 189.8
115 57.3 53.0 79.4



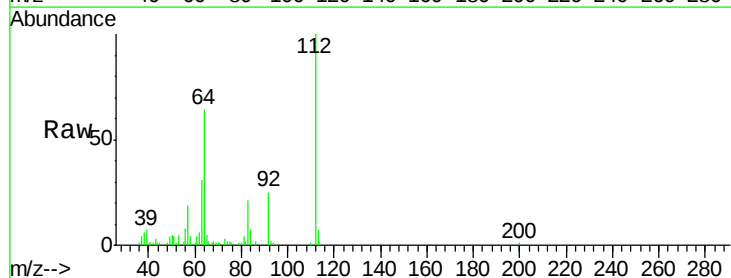
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



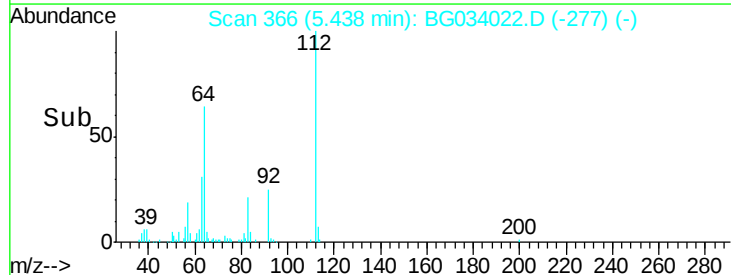
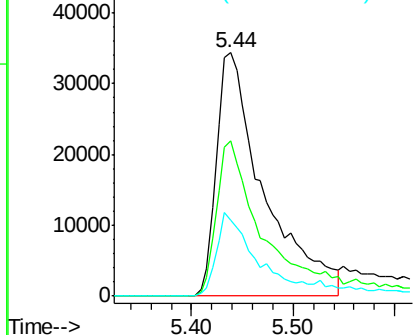
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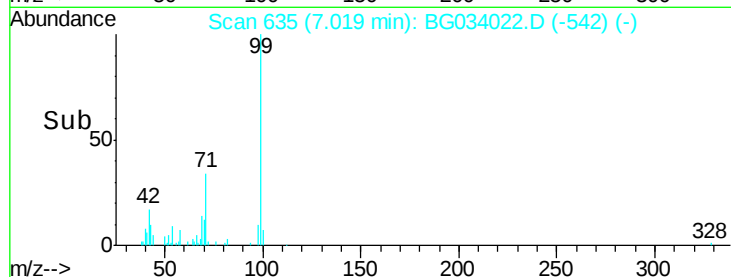
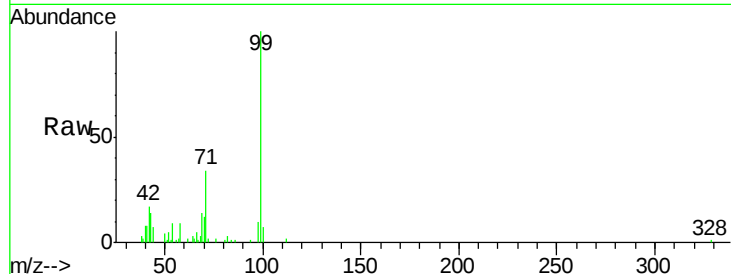
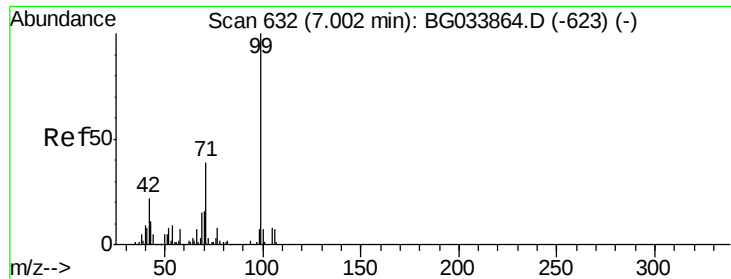
2-Fluorophenol
Concen: 31.131 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG034022.D
Acq: 26 Apr 2018 22:02

Tgt Ion:112 Resp: 111737
Ion Ratio Lower Upper
112 100
64 63.8 56.3 84.5
63 31.3 30.1 45.1



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

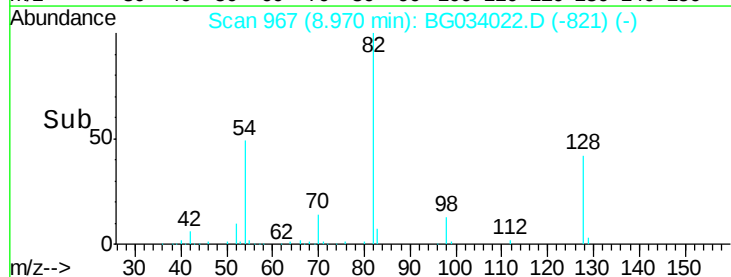
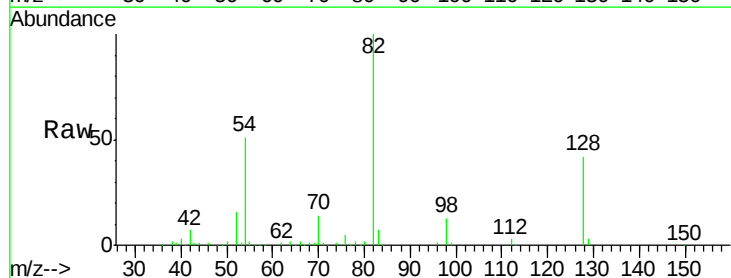
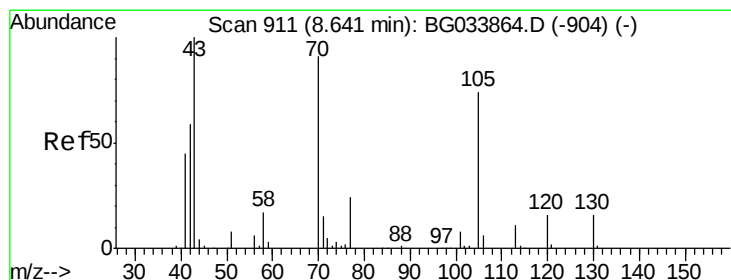
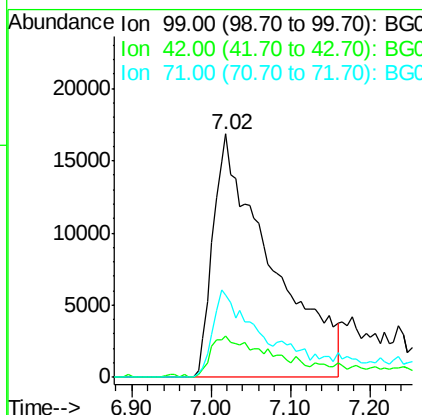




#7
Phenol-d6
Concen: 16.271 ng
RT: 7.02 min Scan# 635
Delta R.T. 0.02 min
Lab File: BG034022.D
Acq: 26 Apr 2018 22:02

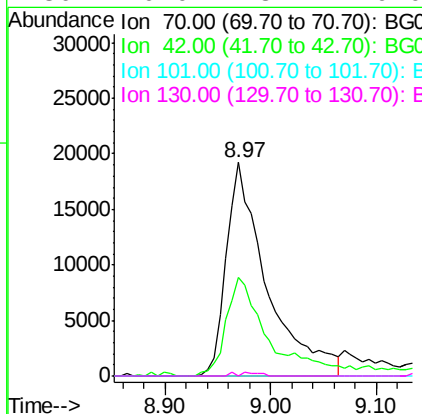
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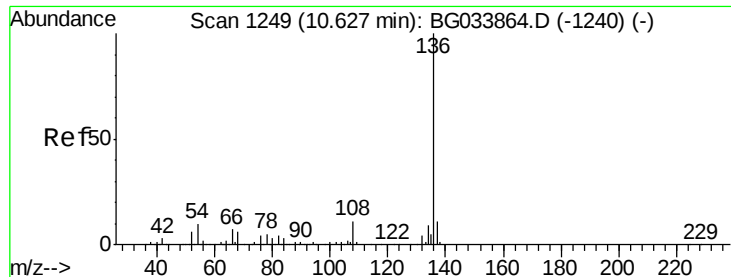
Tgt Ion: 99 Resp: 85182
Ion Ratio Lower Upper
99 100
42 17.0 14.1 21.1
71 34.0 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 11.448 ng
RT: 8.97 min Scan# 967
Delta R.T. 0.33 min
Lab File: BG034022.D
Acq: 26 Apr 2018 22:02

Tgt Ion: 70 Resp: 51087
Ion Ratio Lower Upper
70 100
42 46.1 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#

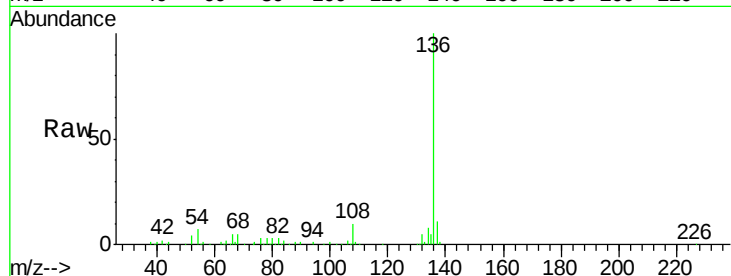




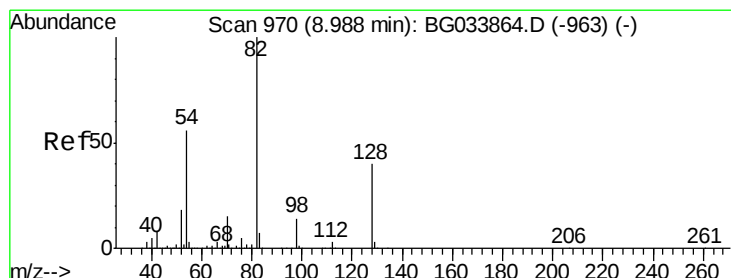
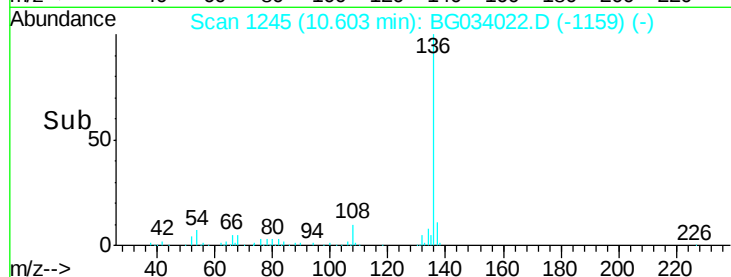
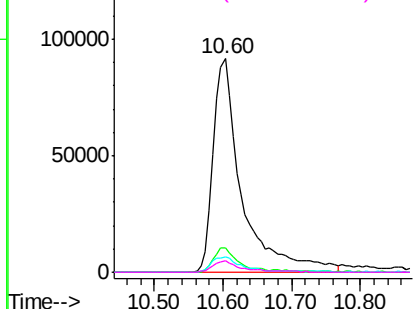
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BG034022.D
Acq: 26 Apr 2018 22:02

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

Tgt Ion:	136	Resp:	265580
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.2	10.3	15.5#
68	5.2	4.5	6.7

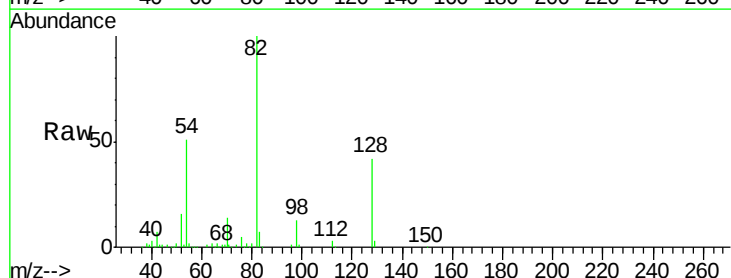


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

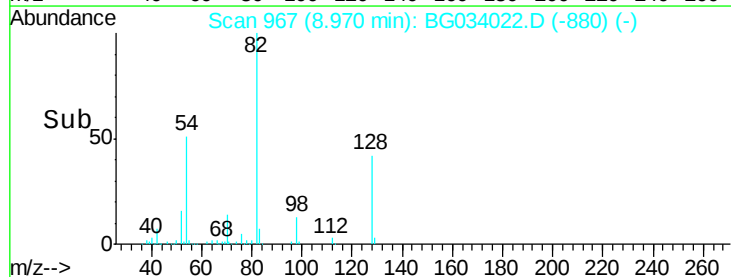
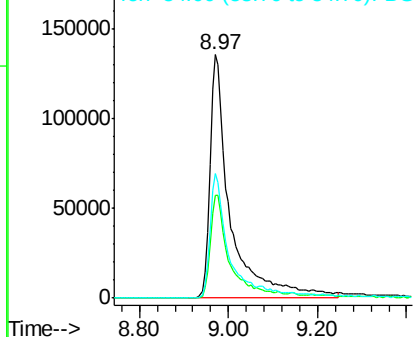


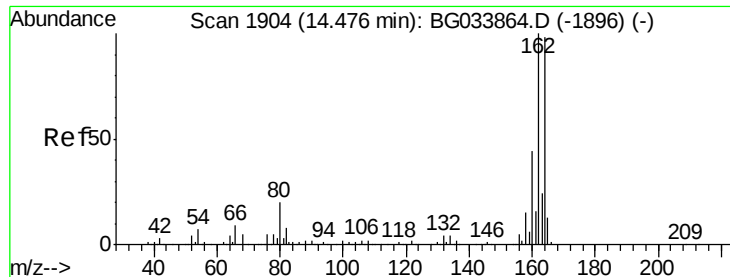
#23
Nitrobenzene-d5
Concen: 93.974 ng
RT: 8.97 min Scan# 967
Delta R.T. -0.02 min
Lab File: BG034022.D
Acq: 26 Apr 2018 22:02

Tgt Ion:	82	Resp:	438547
Ion	Ratio	Lower	Upper
82	100		
128	42.1	29.7	44.5
54	50.9	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.45 min Scan# 1899

Delta R.T. -0.03 min

Lab File: BG034022.D

Acq: 26 Apr 2018 22:02

Instrument :

BNA_G

ClientSampleId :

042318-SIDI-E-U-M

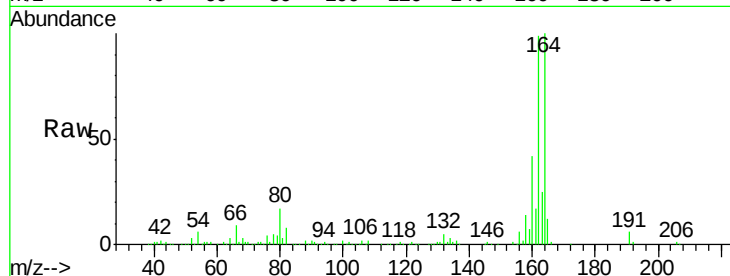
Tgt Ion:164 Resp: 207003

Ion Ratio Lower Upper

164 100

162 98.9 78.8 118.2

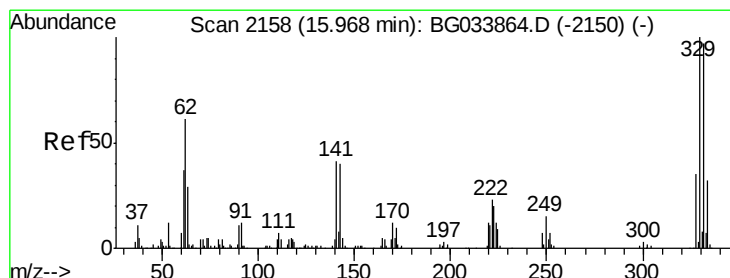
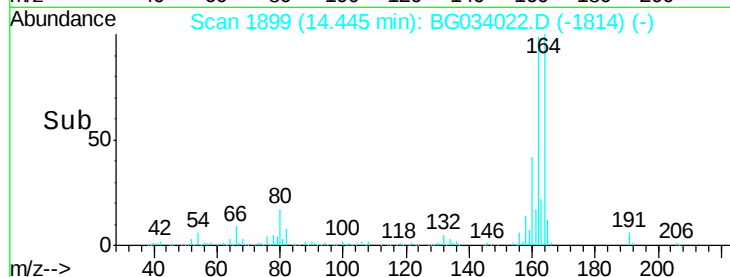
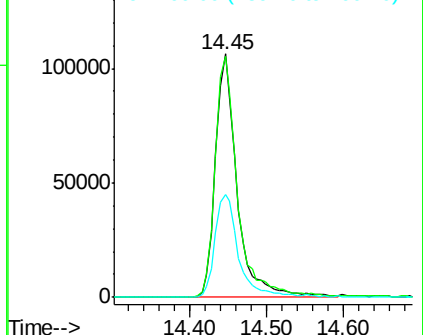
160 42.2 35.4 53.0



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: 109.236 ng

RT: 15.94 min Scan# 2154

Delta R.T. -0.02 min

Lab File: BG034022.D

Acq: 26 Apr 2018 22:02

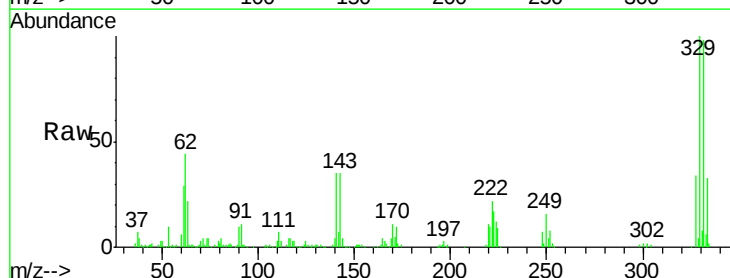
Tgt Ion:330 Resp: 263808

Ion Ratio Lower Upper

330 100

332 91.7 77.0 115.6

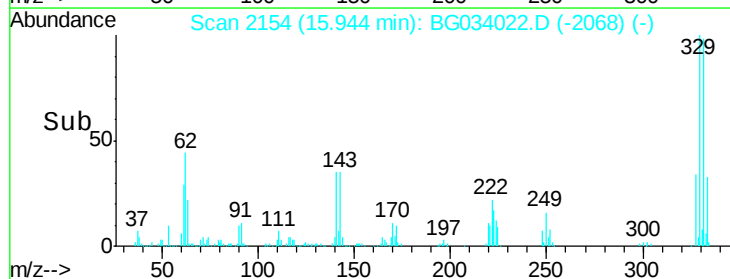
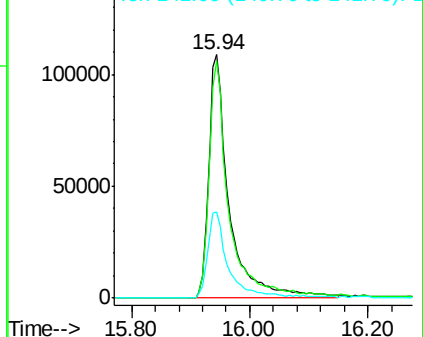
141 35.5 25.2 37.8

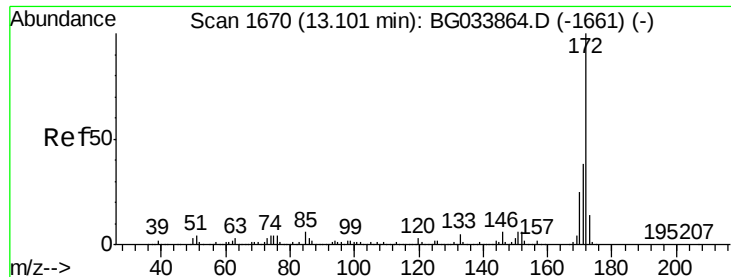


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

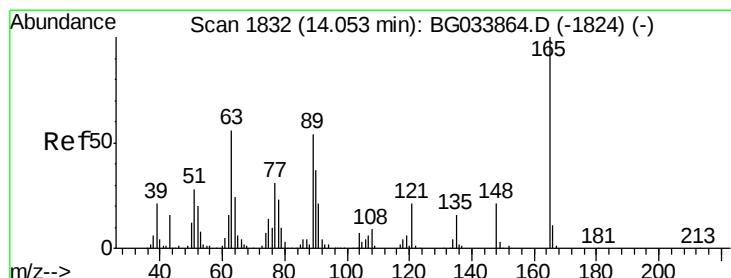
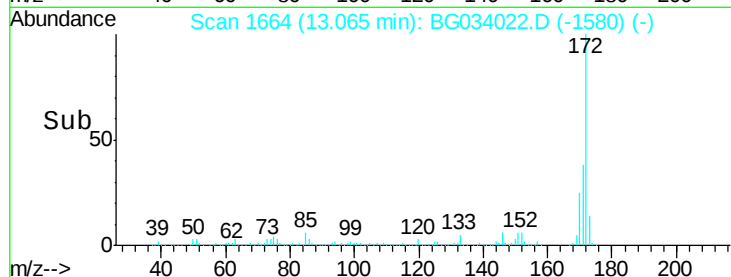
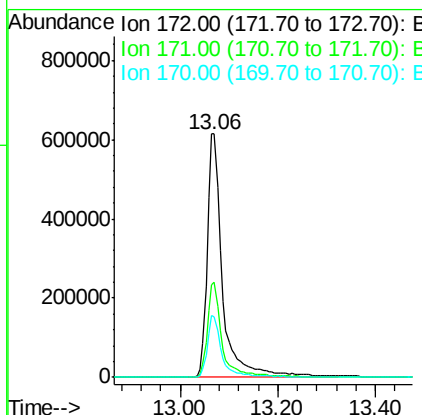
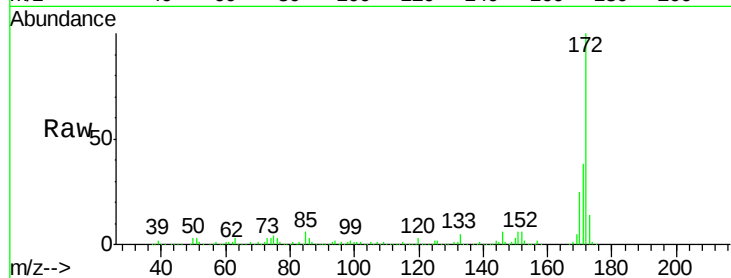




#44
 2-Fluorobiphenyl
 Concen: 95.831 ng
 RT: 13.06 min Scan# 1664
 Delta R.T. -0.04 min
 Lab File: BG034022.D
 Acq: 26 Apr 2018 22:02

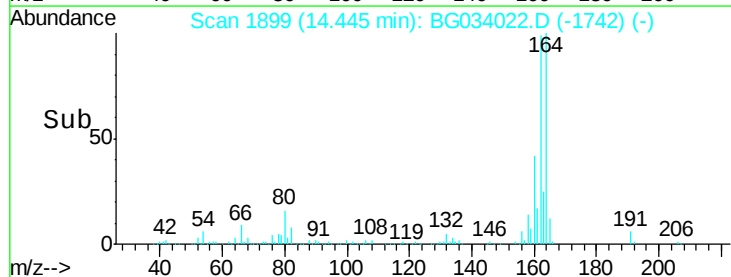
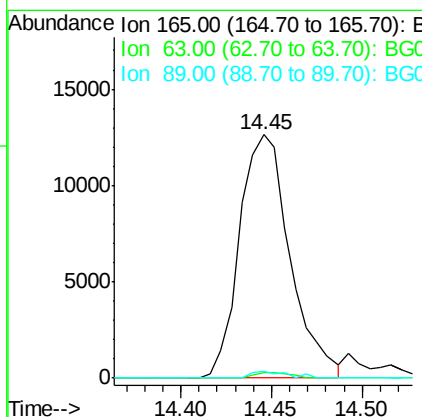
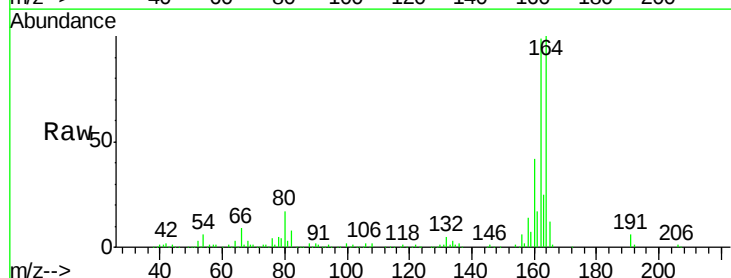
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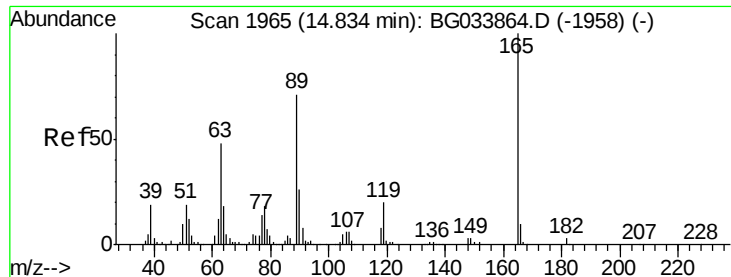
Tgt Ion:172 Resp: 1350374
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 25.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.101 ng
 RT: 14.45 min Scan# 1899
 Delta R.T. 0.39 min
 Lab File: BG034022.D
 Acq: 26 Apr 2018 22:02

Tgt Ion:165 Resp: 24504
 Ion Ratio Lower Upper
 165 100
 63 2.3 52.7 79.1#
 89 2.5 49.2 73.8#

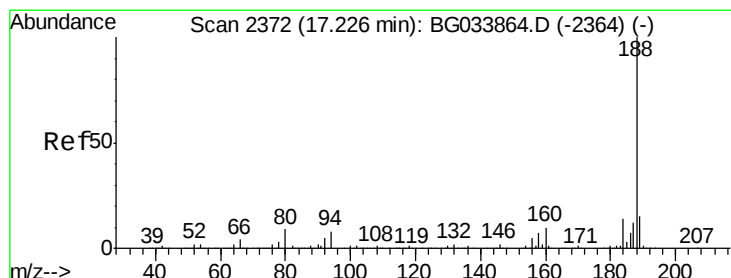
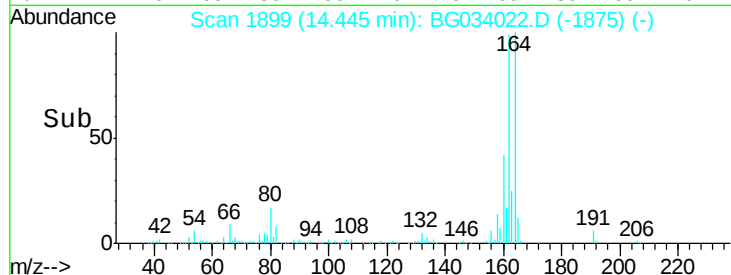
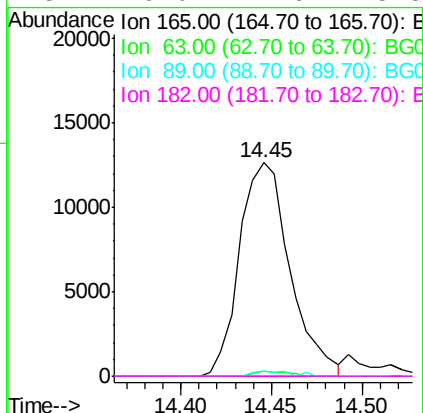
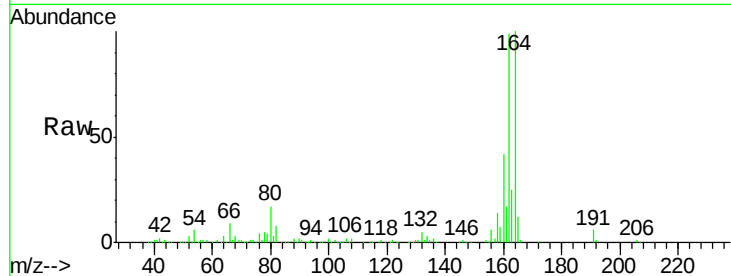




#56
 2,4-Dinitrotoluene
 Concen: 5.340 ng
 RT: 14.45 min Scan# 1899
 Delta R.T. -0.39 min
 Lab File: BG034022.D
 Acq: 26 Apr 2018 22:02

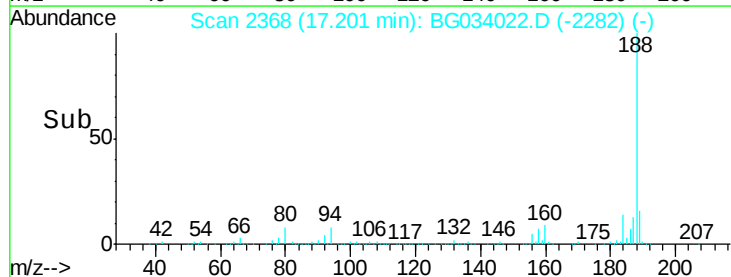
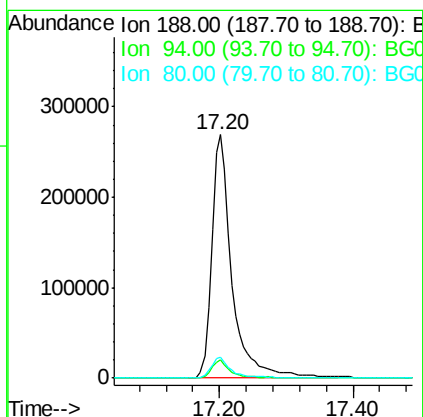
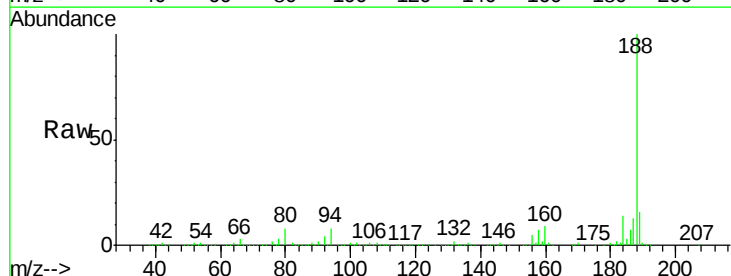
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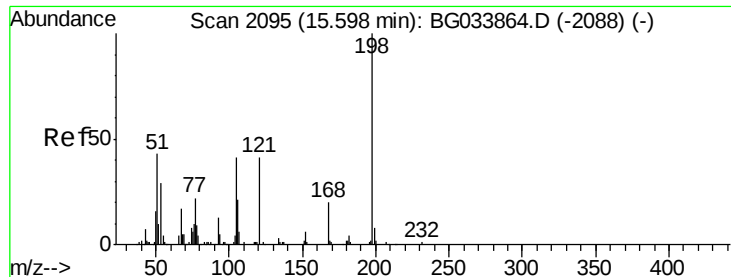
Tgt Ion:	165	Resp:	24504
Ion	Ratio	Lower	Upper
165	100		
63	2.3	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.20 min Scan# 2368
 Delta R.T. -0.02 min
 Lab File: BG034022.D
 Acq: 26 Apr 2018 22:02

Tgt Ion:	188	Resp:	569017
Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	8.5	7.7	11.5

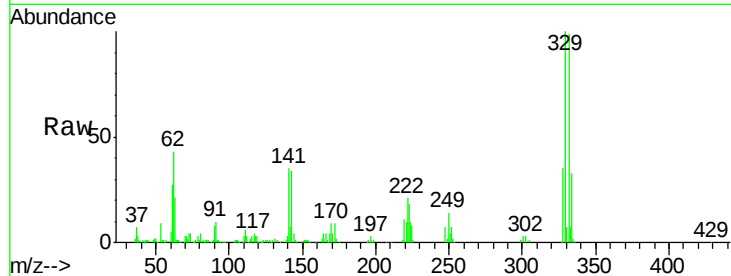




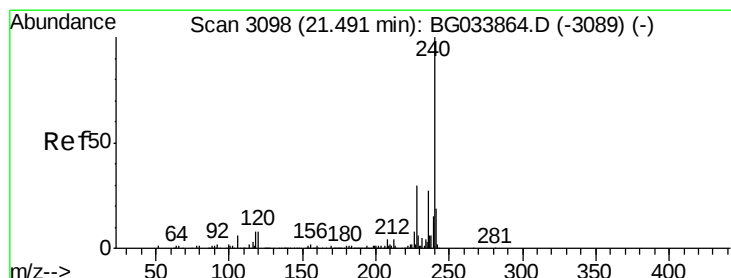
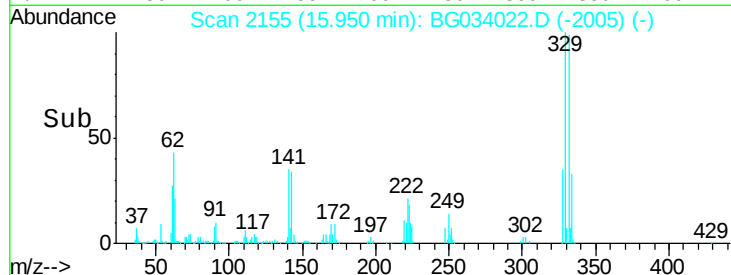
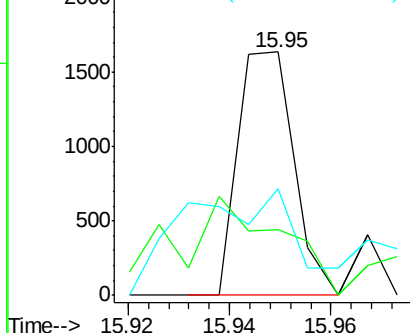
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.887 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. 0.35 min
 Lab File: BG034022.D
 Acq: 26 Apr 2018 22:02

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

Tgt Ion:198 Resp: 1261
 Ion Ratio Lower Upper
 198 100
 51 26.7 30.6 70.6#
 105 44.0 23.8 63.8

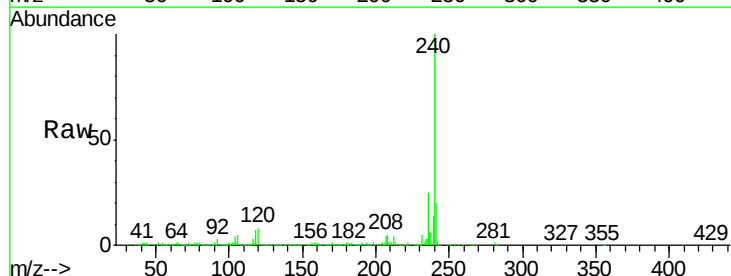


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

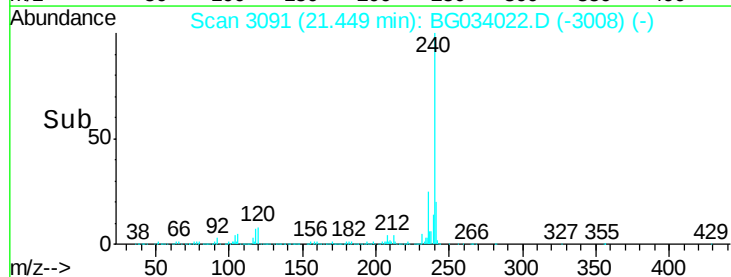
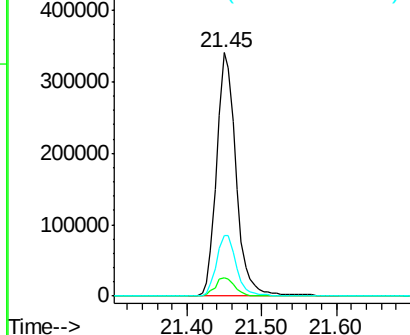


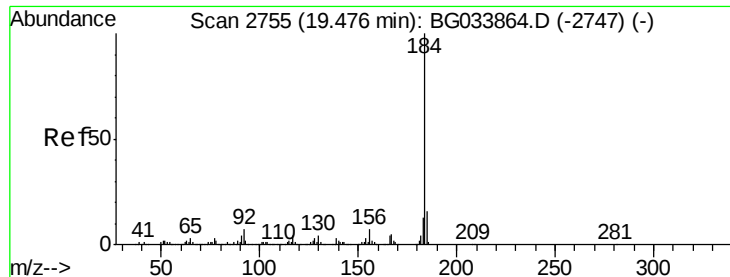
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.45 min Scan# 3091
 Delta R.T. -0.04 min
 Lab File: BG034022.D
 Acq: 26 Apr 2018 22:02

Tgt Ion:240 Resp: 617585
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.8 10.2
 236 24.9 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: 2.337 ng

RT: 19.83 min Scan# 2816

Delta R.T. 0.36 min

Lab File: BG034022.D

Acq: 26 Apr 2018 22:02

Instrument :

BNA_G

ClientSampleId :

042318-SIDI-E-U-M

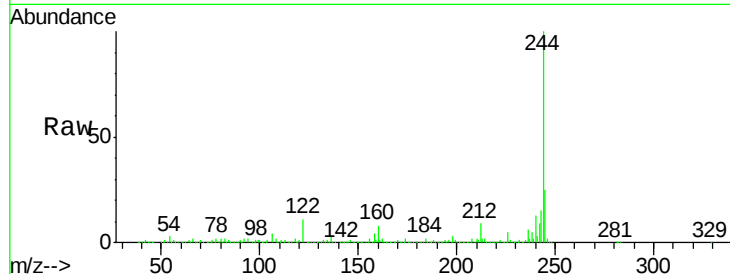
Tgt Ion:184 Resp: 38981

Ion Ratio Lower Upper

184 100

185 16.9 11.1 16.7#

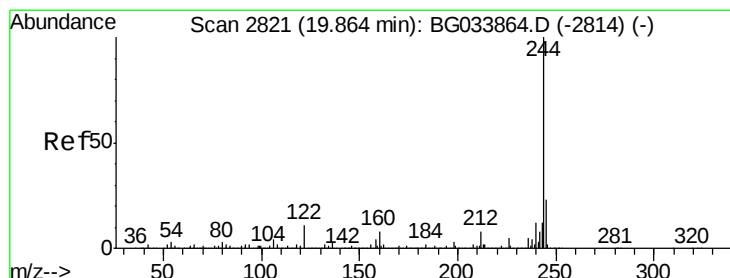
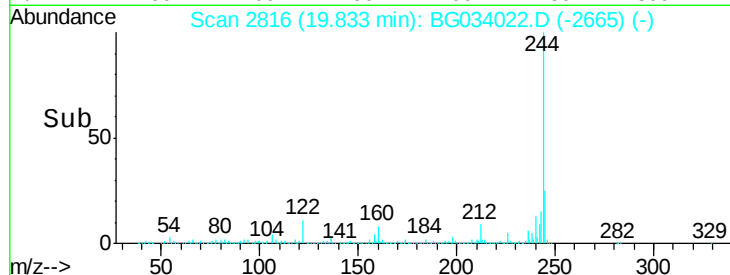
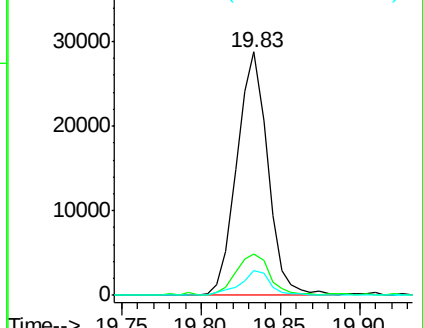
183 10.2 10.6 16.0#



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: 89.932 ng

RT: 19.83 min Scan# 2816

Delta R.T. -0.03 min

Lab File: BG034022.D

Acq: 26 Apr 2018 22:02

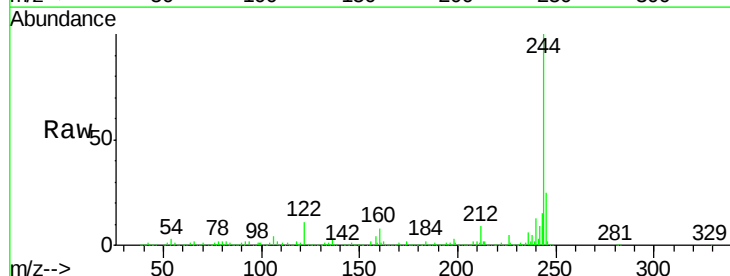
Tgt Ion:244 Resp: 2472194

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

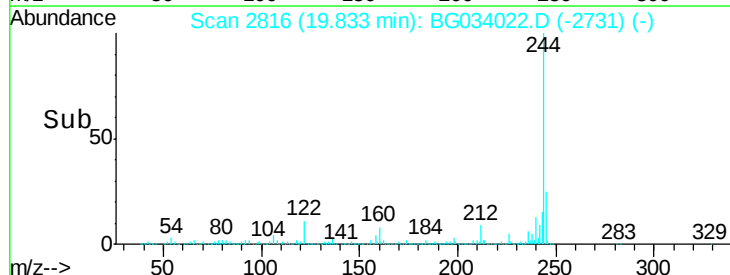
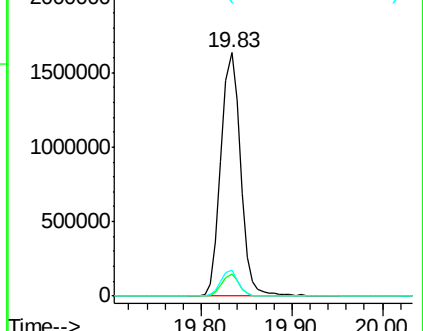
122 10.6 7.0 10.4#

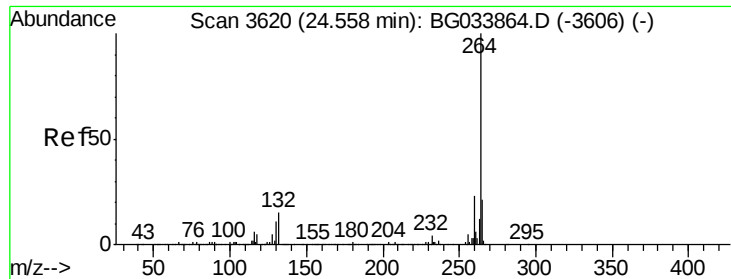


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

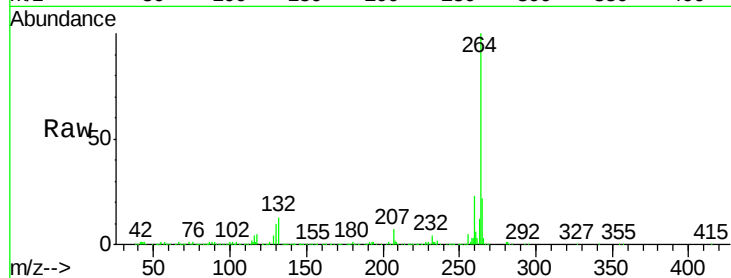




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.50 min Scan# 3610
Delta R.T. -0.06 min
Lab File: BG034022.D
Acq: 26 Apr 2018 22:02

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	21.8	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

