

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082318\
 Data File : BG036366.D
 Acq On : 23 Aug 2018 6:21
 Operator : JU/SJ
 Sample : J4540-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 081618-SIDI-E-D-B

Quant Time: Aug 23 12:31:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

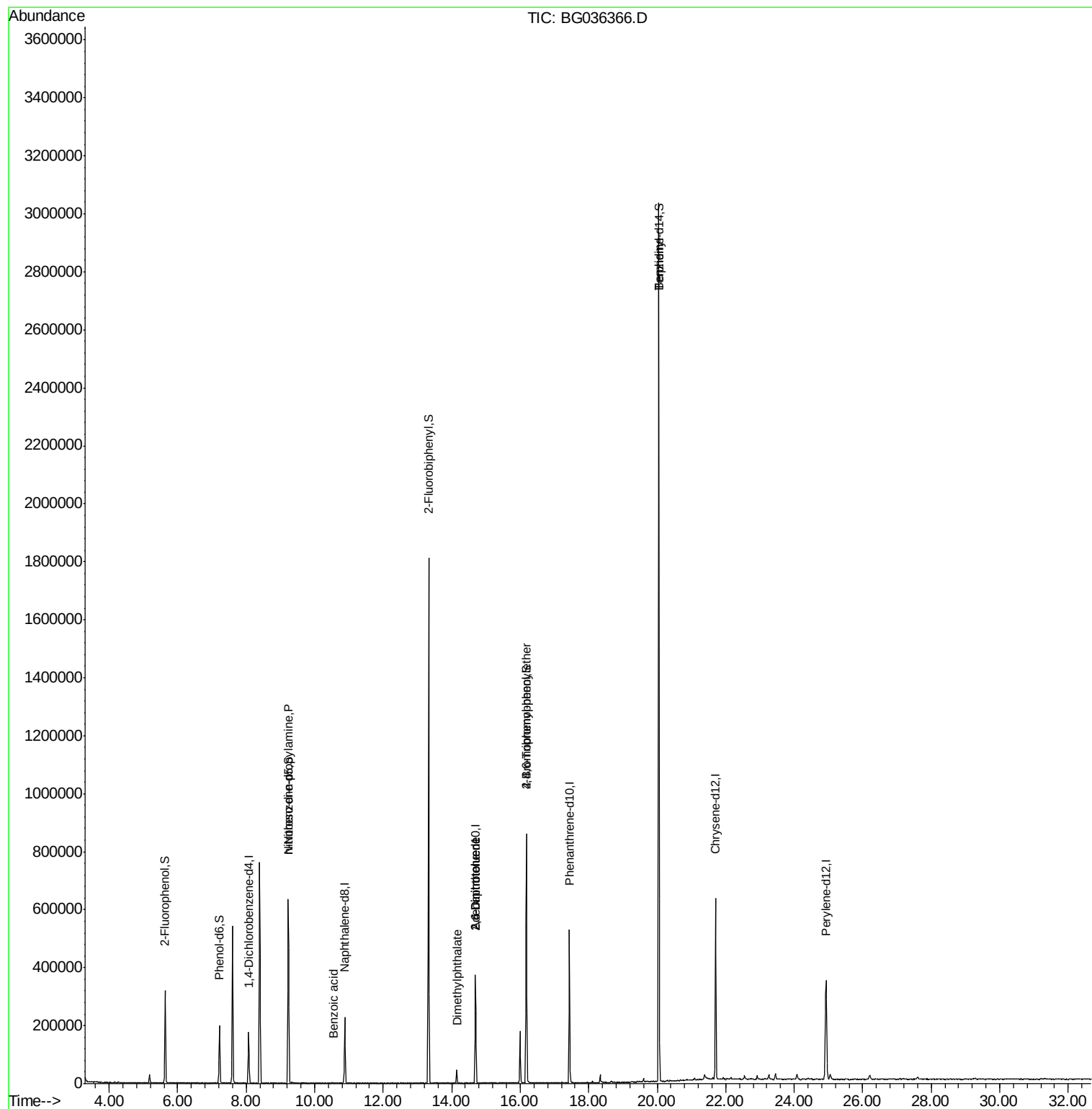
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	49215	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	194796	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	125751	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	323299	20.00	ng	0.00
75) Chrysene-d12	21.71	240	372874	20.00	ng	0.00
86) Perylene-d12	24.93	264	378383	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	127812	41.20	ng	0.00
7) Phenol-d6	7.22	99	113984	25.66	ng	0.00
23) Nitrobenzene-d5	9.23	82	374072	104.19	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	150121	100.05	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	881820	100.12	ng	0.00
78) Terphenyl-d14	20.05	244	1433003	89.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	51059	15.380	ng	# 72
32) Benzoic acid	10.56	122	53	4.502	ng	# 1
49) Dimethylphthalate	14.15	163	29450	2.868	ng	# 98
50) 2,6-Dinitrotoluene	14.69	165	16672	7.890	ng	# 22
56) 2,4-Dinitrotoluene	14.69	165	16672	6.054	ng	# 21
66) 4-Bromophenyl-phenylether	16.18	248	11348	2.998	ng	# 1
76) Benzidine	20.05	184	25788	2.168	ng	# 94

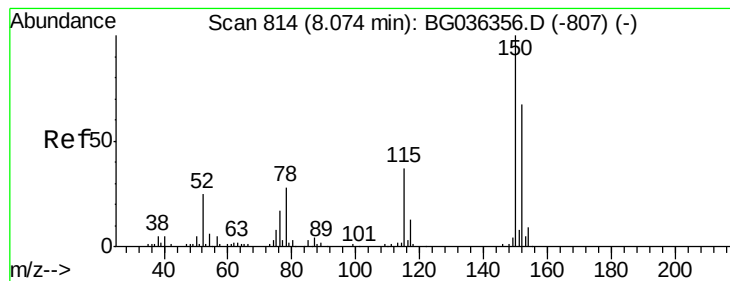
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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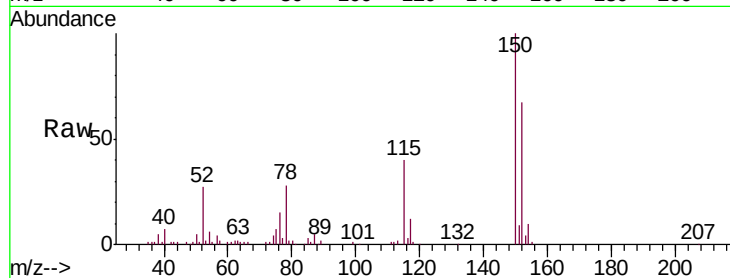


#1

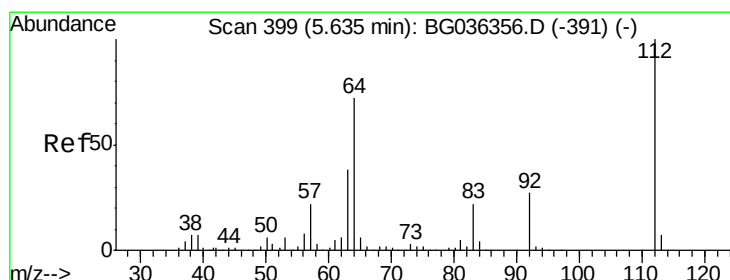
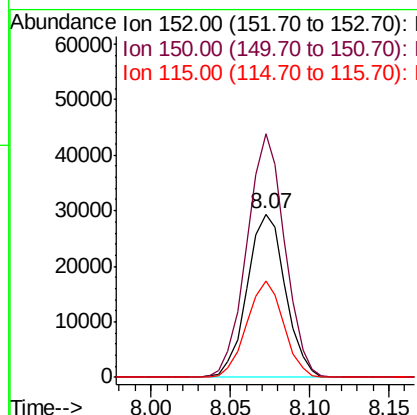
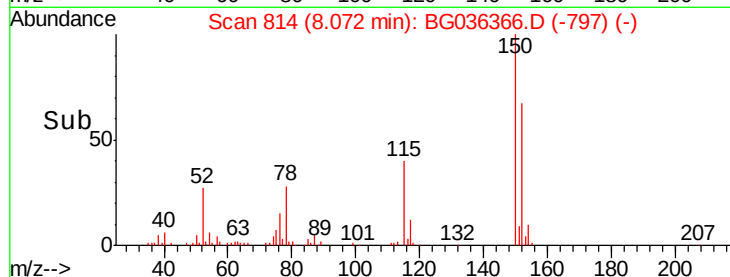
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG036366.D
Acq: 23 Aug 2018 6:21

Instrument :
BNA_G
ClientSampleId :
081618-SIDI-E-D-B

Tgt Ion:152 Resp: 49215
Ion Ratio Lower Upper
152 100
150 149.0 119.5 179.3
115 59.2 44.5 66.7



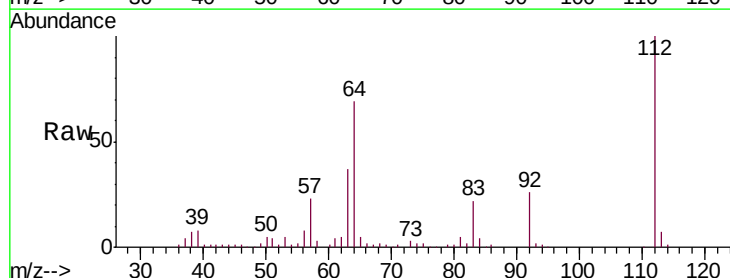
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



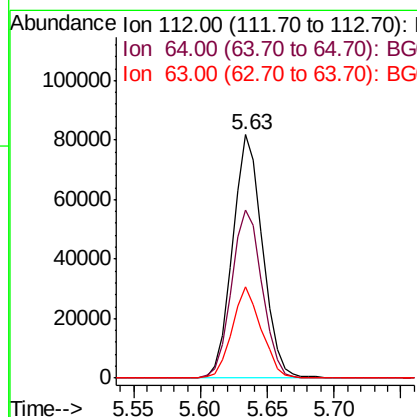
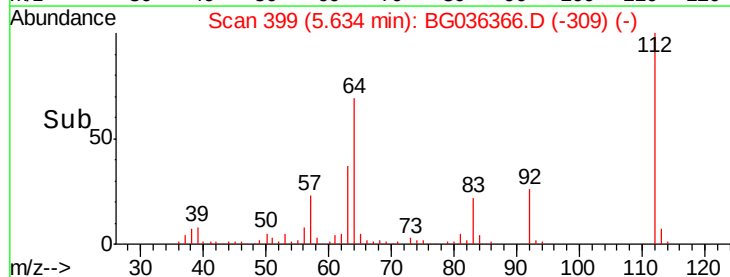
#5

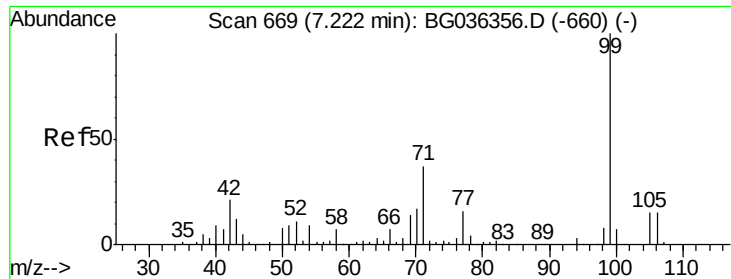
2-Fluorophenol
Concen: 41.196 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG036366.D
Acq: 23 Aug 2018 6:21

Tgt Ion:112 Resp: 127812
Ion Ratio Lower Upper
112 100
64 69.2 57.2 85.8
63 37.3 30.8 46.2



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: 25.660 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036366.D

Acq: 23 Aug 2018 6:21

Instrument :

BNA_G

ClientSampleId :

081618-SIDI-E-D-B

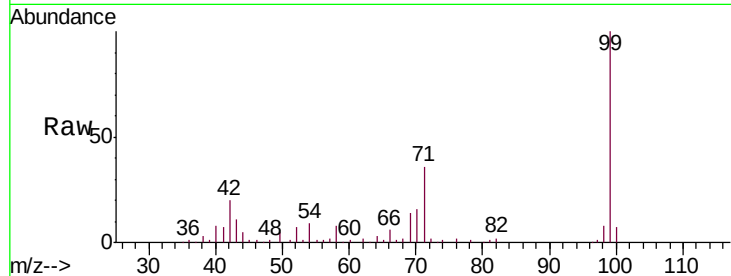
Tgt Ion: 99 Resp: 113984

Ion Ratio Lower Upper

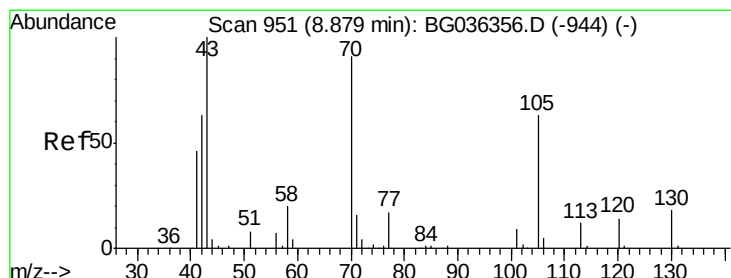
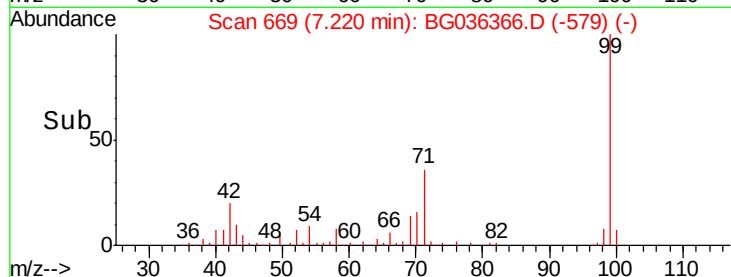
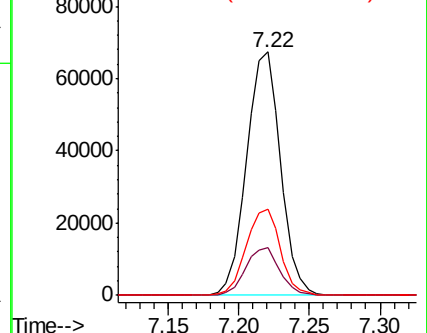
99 100

42 19.8 16.5 24.7

71 35.6 29.4 44.2



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: 15.380 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036366.D

Acq: 23 Aug 2018 6:21

Tgt Ion: 70 Resp: 51059

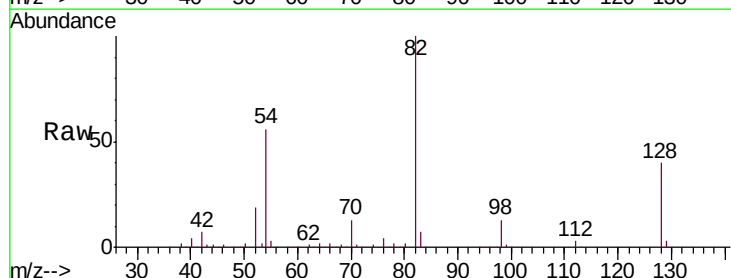
Ion Ratio Lower Upper

70 100

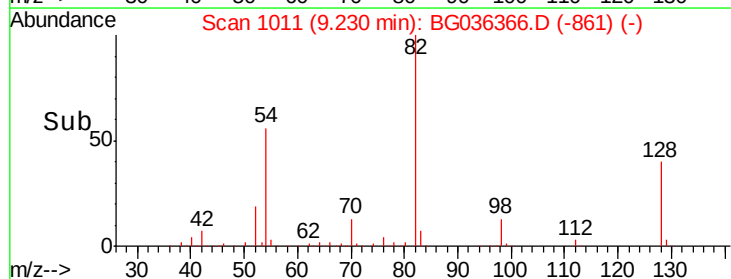
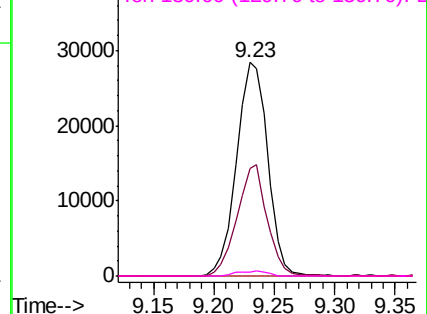
42 50.2 56.2 84.4#

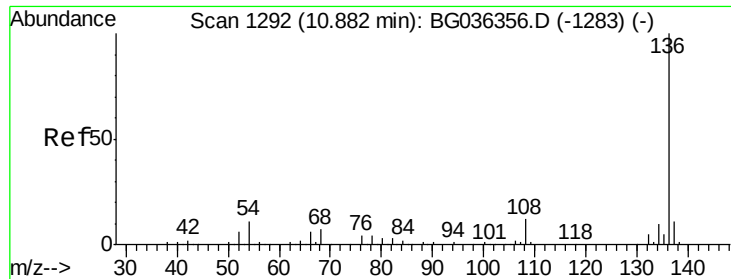
101 0.0 7.8 11.6#

130 1.8 16.2 24.2#



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

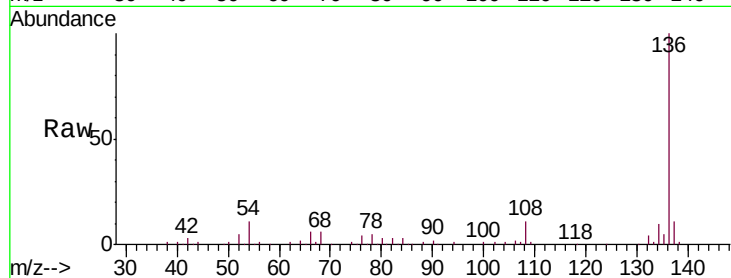




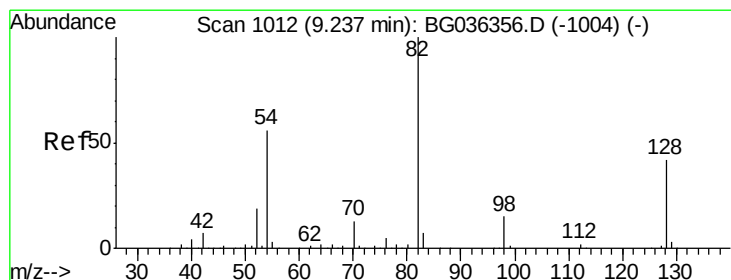
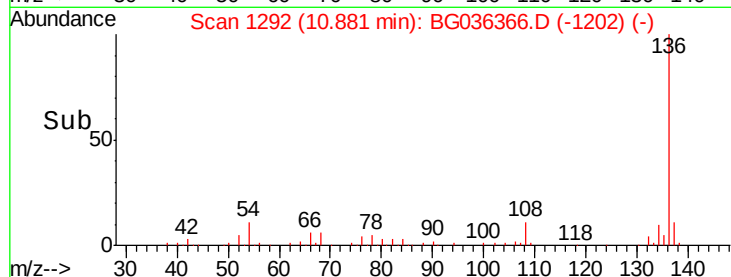
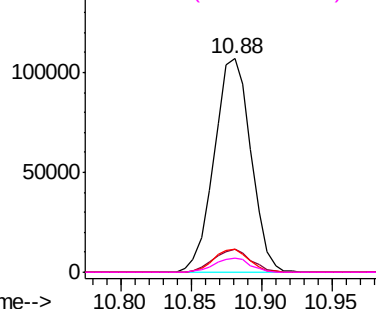
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BG036366.D
Acq: 23 Aug 2018 6:21

Instrument :
BNA_G
ClientSampleId :
081618-SIDI-E-D-B

Tgt Ion:	136	Resp:	194796
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.9	9.2	13.8
68	6.5	5.8	8.6

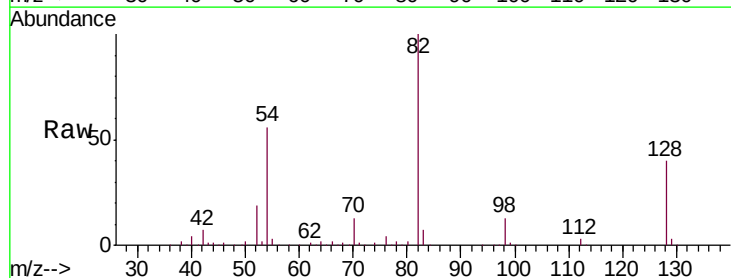


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

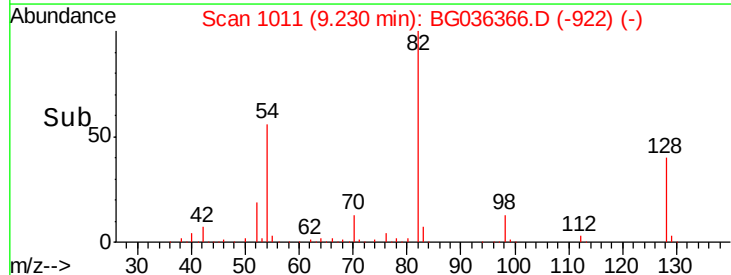
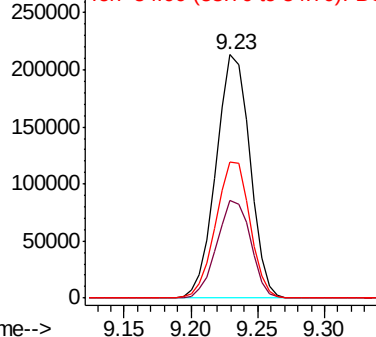


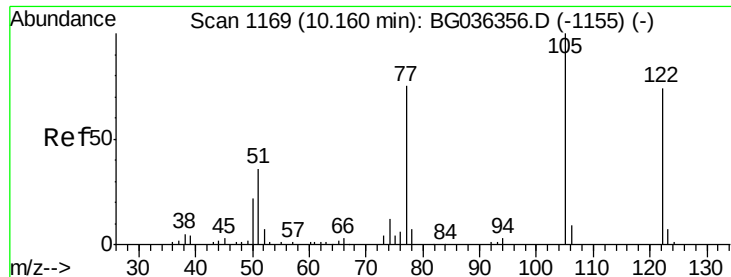
#23
Nitrobenzene-d5
Concen: 104.191 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036366.D
Acq: 23 Aug 2018 6:21

Tgt Ion:	82	Resp:	374072
Ion	Ratio	Lower	Upper
82	100		
128	40.2	33.3	49.9
54	56.2	45.1	67.7



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: 4.502 ng

RT: 10.56 min Scan# 1237

Delta R.T. 0.40 min

Lab File: BG036366.D

Acq: 23 Aug 2018 6:21

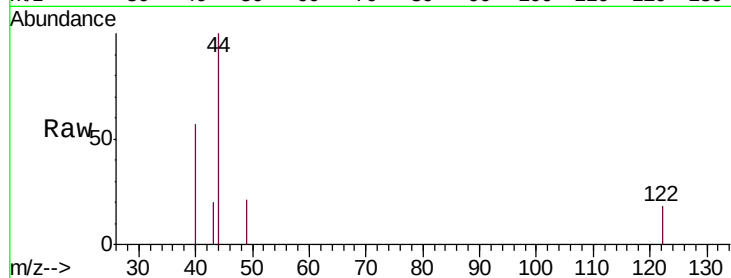
Instrument :

BNA_G

ClientSampleId :

081618-SIDI-E-D-B

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.1	148.1#
77	0.0	76.3	116.3#

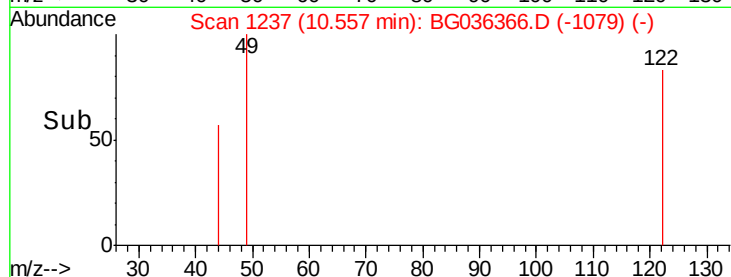


Abundance Ion 122.00 (121.70 to 122.70): E

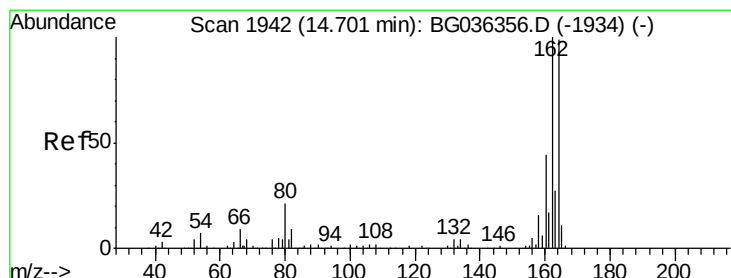
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

10.56



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

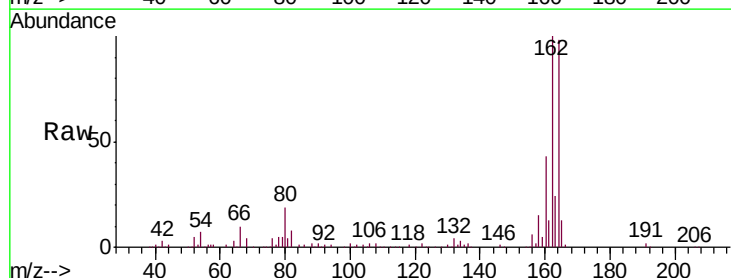
RT: 14.69 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BG036366.D

Acq: 23 Aug 2018 6:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.7	121.1
160	43.9	35.3	52.9

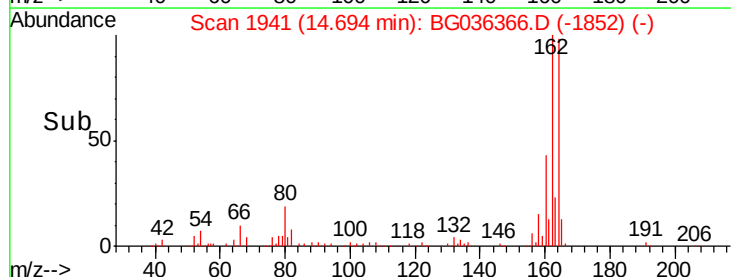


Abundance Ion 164.00 (163.70 to 164.70): E

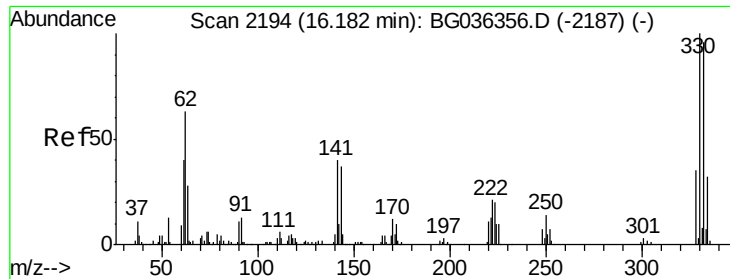
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.69



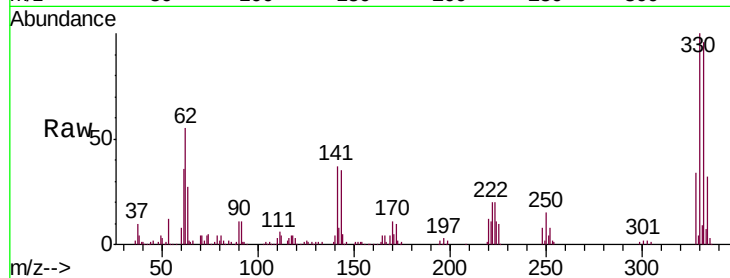
Time-->



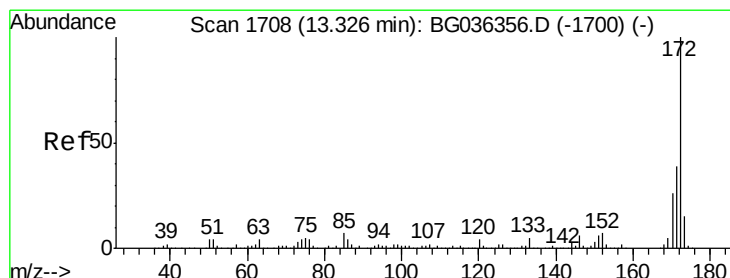
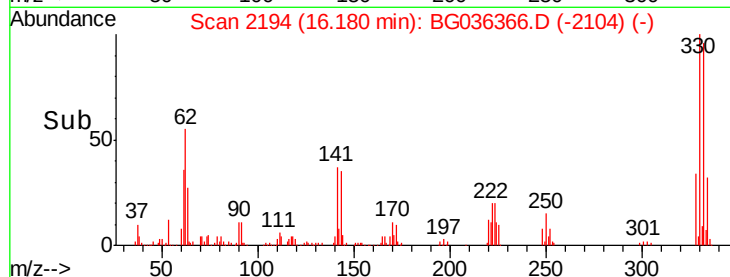
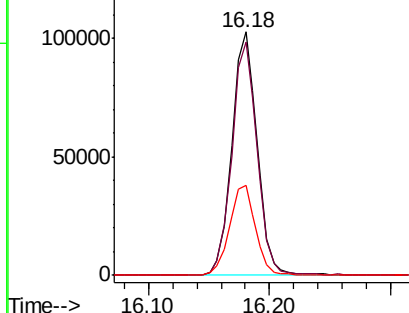
#41
 2,4,6-Tribromophenol
 Concen: 100.048 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG036366.D
 Acq: 23 Aug 2018 6:21

Instrument :
 BNA_G
 ClientSampleId :
 081618-SIDI-E-D-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.4	113.2
141	37.9	30.7	46.1

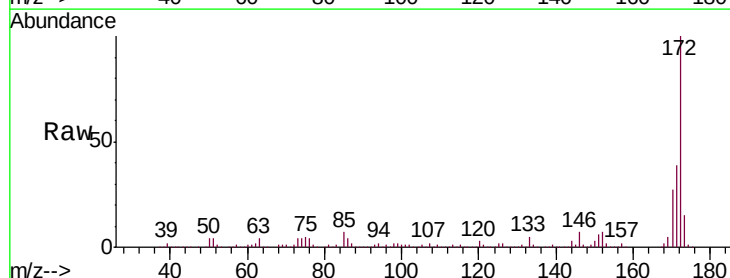


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

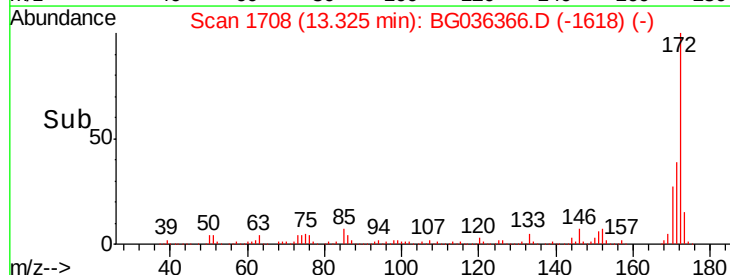
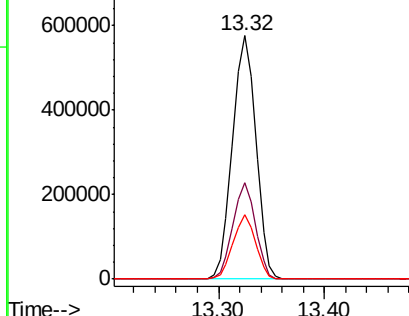


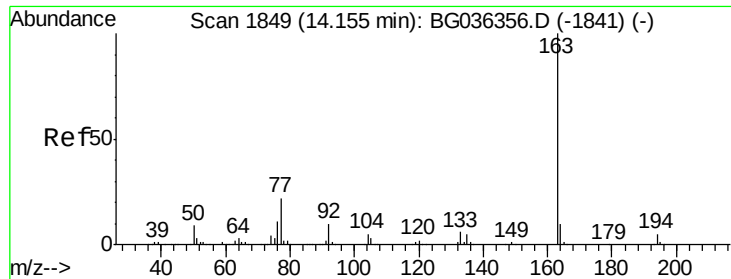
#44
 2-Fluorobiphenyl
 Concen: 100.125 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG036366.D
 Acq: 23 Aug 2018 6:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.4	31.3	46.9
170	26.7	21.0	31.6



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





#49

Dimethylphthalate

Concen: 2.868 ng

RT: 14.15 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BG036366.D

Acq: 23 Aug 2018 6:21

Instrument :

BNA_G

ClientSampleId :

081618-SIDI-E-D-B

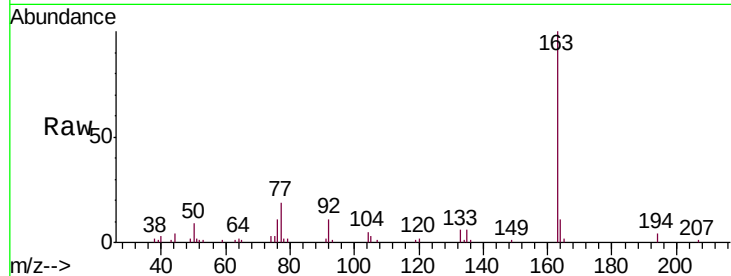
Tgt Ion:163 Resp: 29450

Ion Ratio Lower Upper

163 100

194 3.8 4.0 6.0#

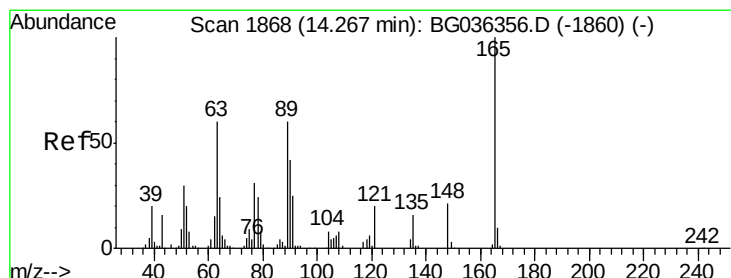
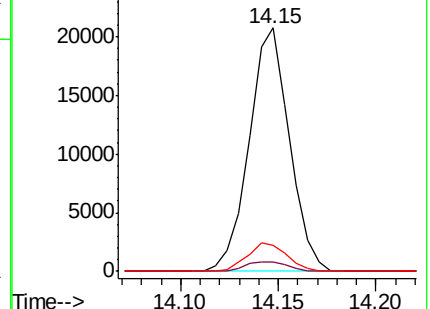
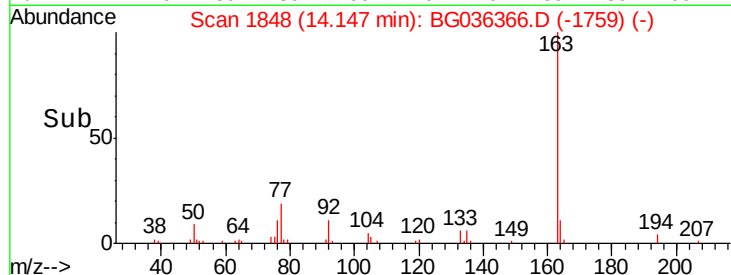
164 10.8 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.890 ng

RT: 14.69 min Scan# 1941

Delta R.T. 0.43 min

Lab File: BG036366.D

Acq: 23 Aug 2018 6:21

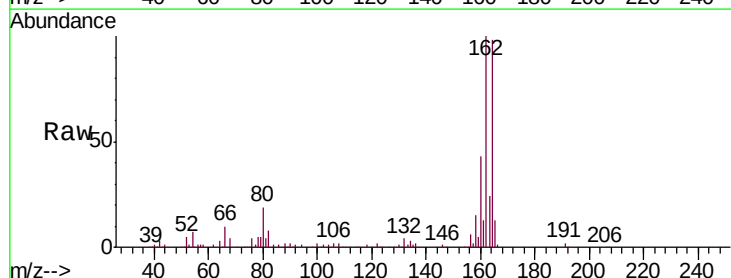
Tgt Ion:165 Resp: 16672

Ion Ratio Lower Upper

165 100

63 0.0 50.1 75.1#

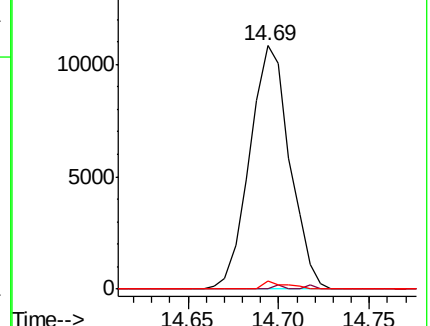
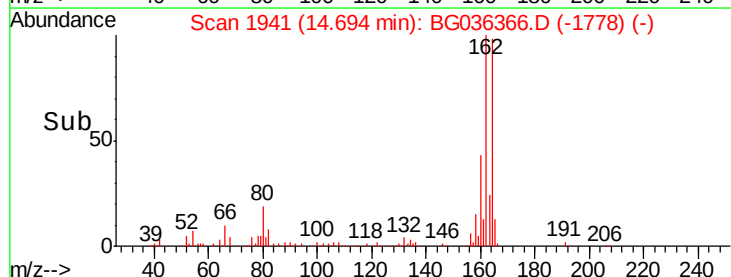
89 3.5 47.8 71.6#

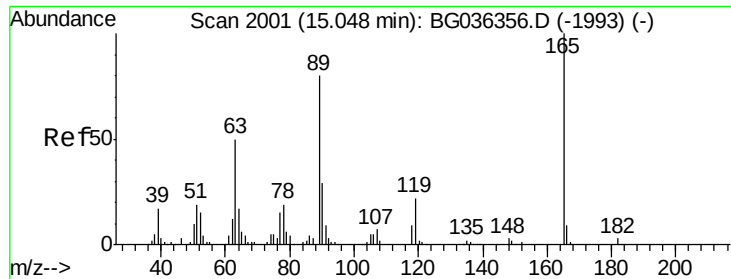


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

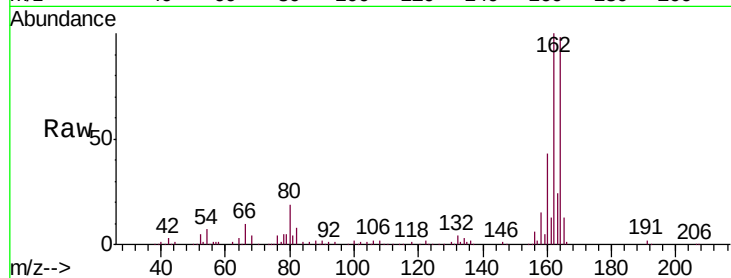




#56
 2,4-Dinitrotoluene
 Concen: 6.054 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.35 min
 Lab File: BG036366.D
 Acq: 23 Aug 2018 6:21

Instrument :
 BNA_G
 ClientSampleId :
 081618-SIDI-E-D-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	3.5	63.7	95.5#
182	0.0	2.5	3.7#



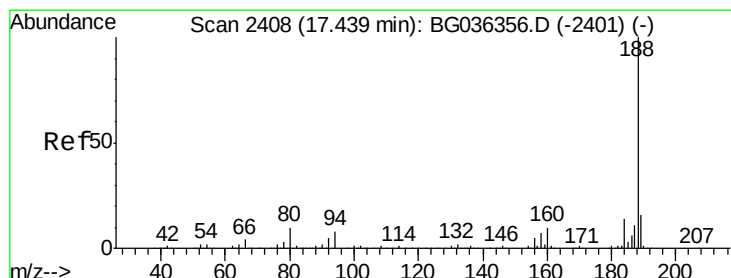
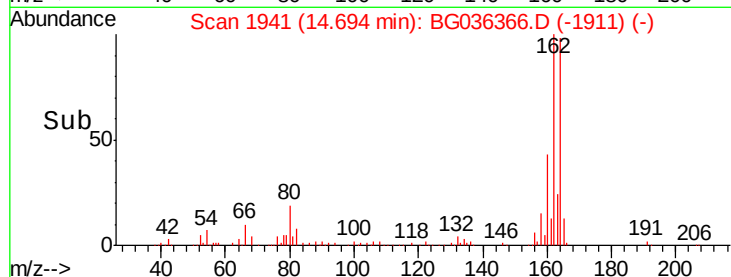
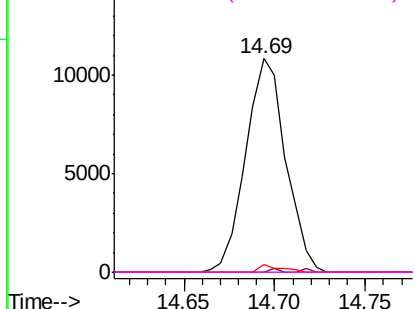
Abundance

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: 17.44 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BG036366.D
 Acq: 23 Aug 2018 6:21

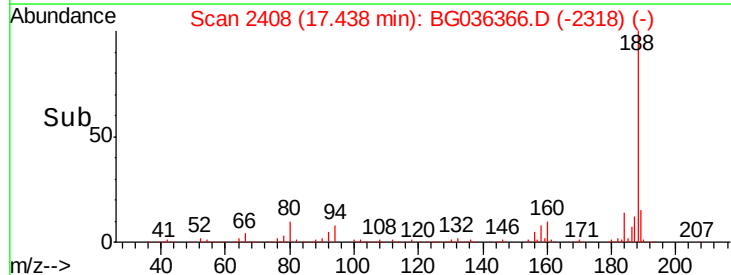
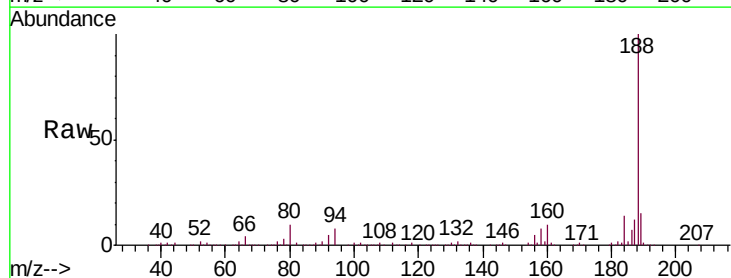
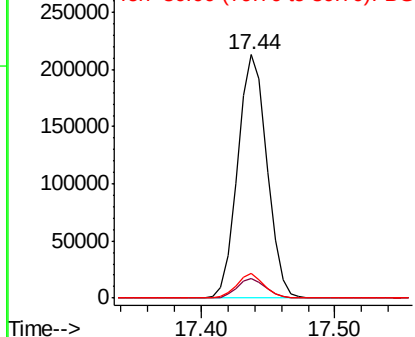
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	10.3	8.1	12.1

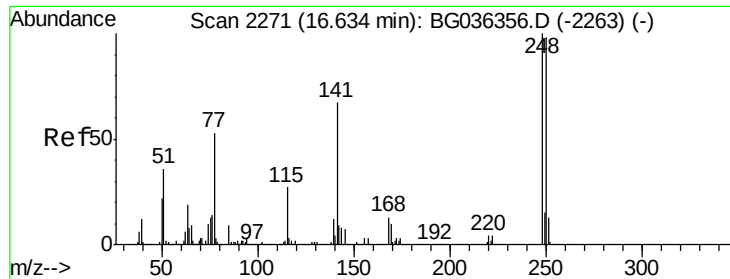
Abundance

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

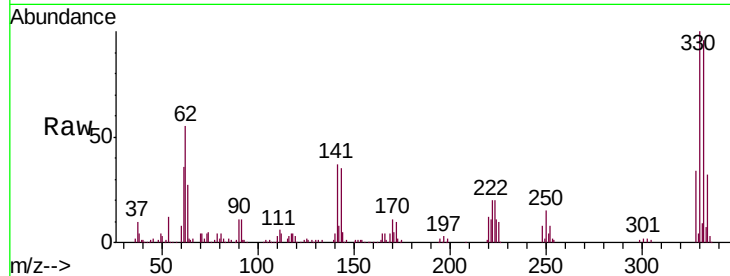




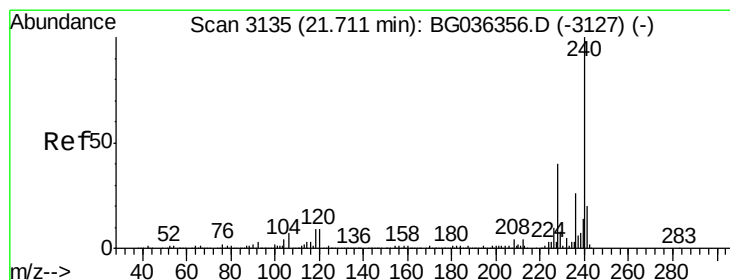
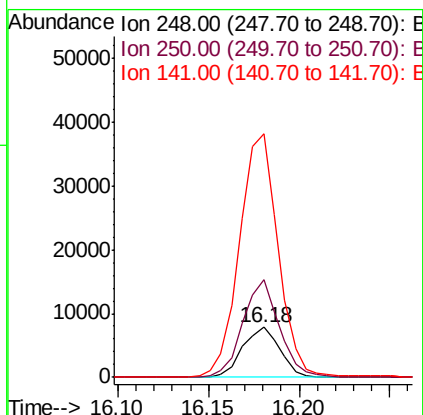
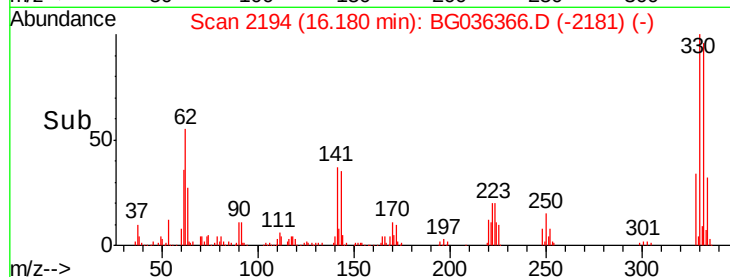
#66
 4-Bromophenyl-phenylether
 Concen: 2.998 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.45 min
 Lab File: BG036366.D
 Acq: 23 Aug 2018 6:21

Instrument :
 BNA_G
 ClientSampleId :
 081618-SIDI-E-D-B

Tgt Ion:248 Resp: 11348
 Ion Ratio Lower Upper
 248 100
 250 197.4 78.1 117.1#
 141 489.3 53.7 80.5#

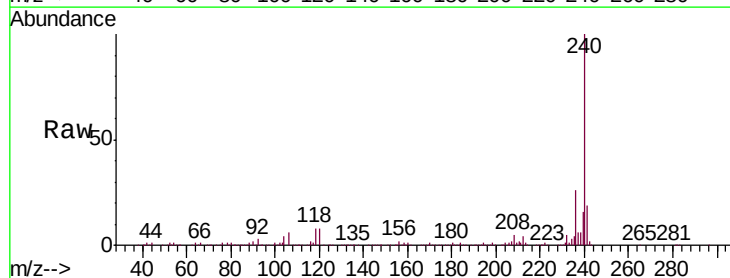


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

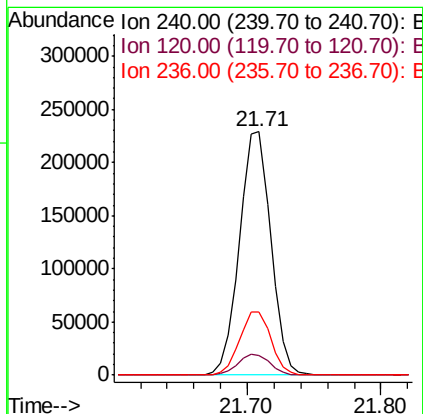
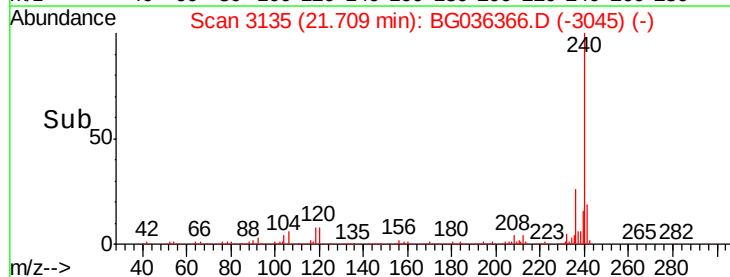


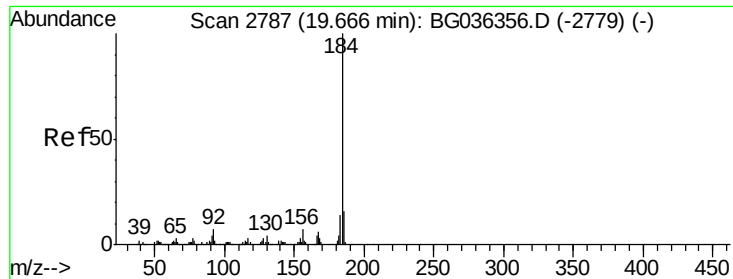
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: BG036366.D
 Acq: 23 Aug 2018 6:21

Tgt Ion:240 Resp: 372874
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.9 10.3
 236 26.0 21.2 31.8



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: 2.168 ng

RT: 20.05 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036366.D

Acq: 23 Aug 2018 6:21

Instrument :

BNA_G

ClientSampleId :

081618-SIDI-E-D-B

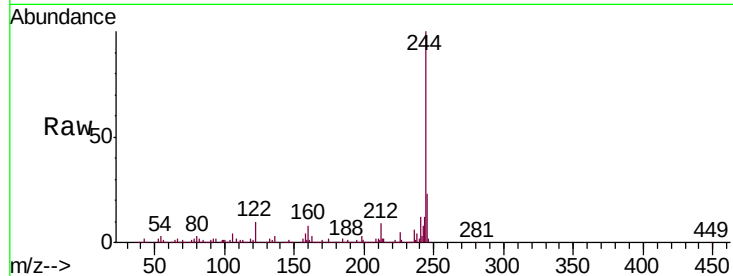
Tgt Ion:184 Resp: 25788

Ion Ratio Lower Upper

184 100

185 15.1 12.6 18.8

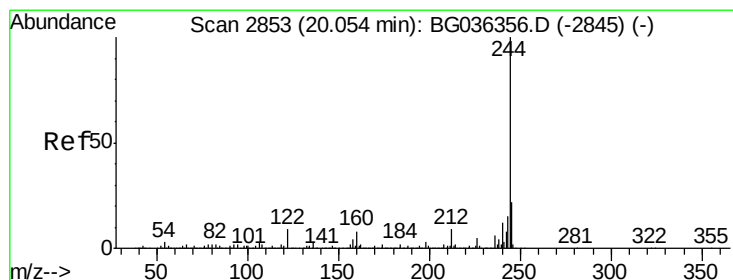
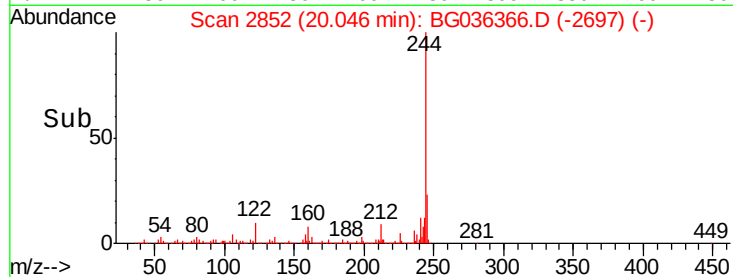
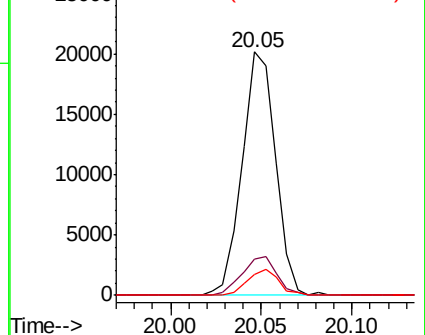
183 8.6 10.9 16.3#



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: 89.827 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG036366.D

Acq: 23 Aug 2018 6:21

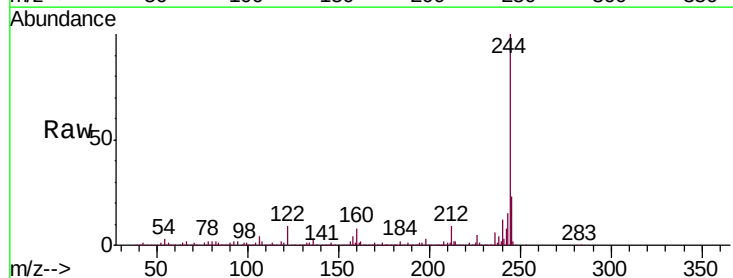
Tgt Ion:244 Resp: 1433003

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

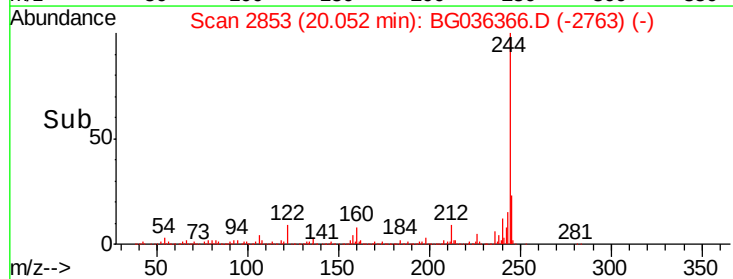
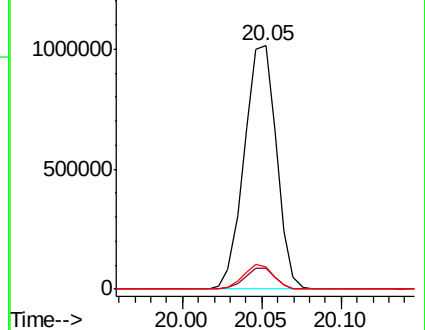
122 9.1 7.1 10.7

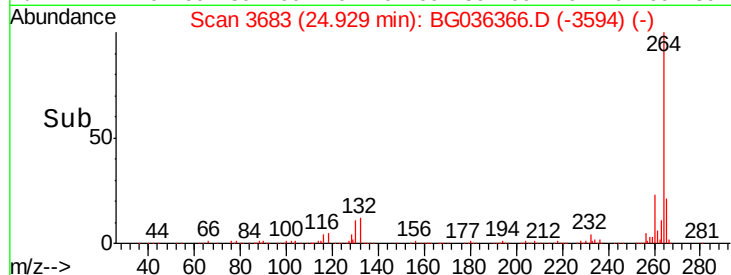
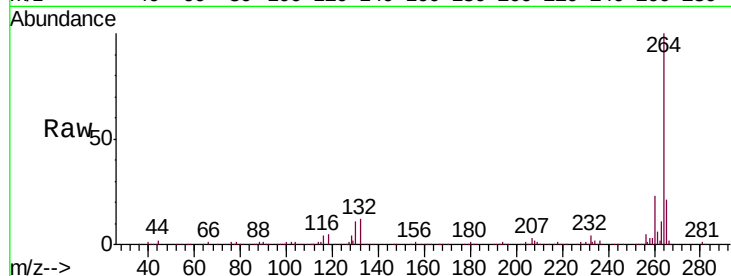
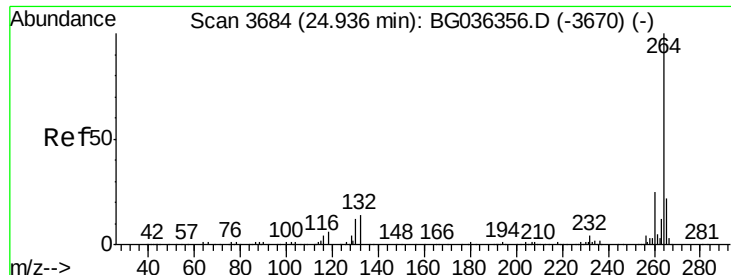


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.93 min Scan# 3683
Delta R.T. -0.01 min
Lab File: BG036366.D
Acq: 23 Aug 2018 6:21

Instrument :
BNA_G
ClientSampleId :
081618-SIDI-E-D-B

Tgt Ion:	264	Resp:	378383
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.6	29.4
265	21.1	17.4	26.0

