

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036888.D
 Acq On : 22 Sep 2018 10:58
 Operator : JU/SJ
 Sample : J4987-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 03:54:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 20:07:11 2018
 Response via : Initial Calibration

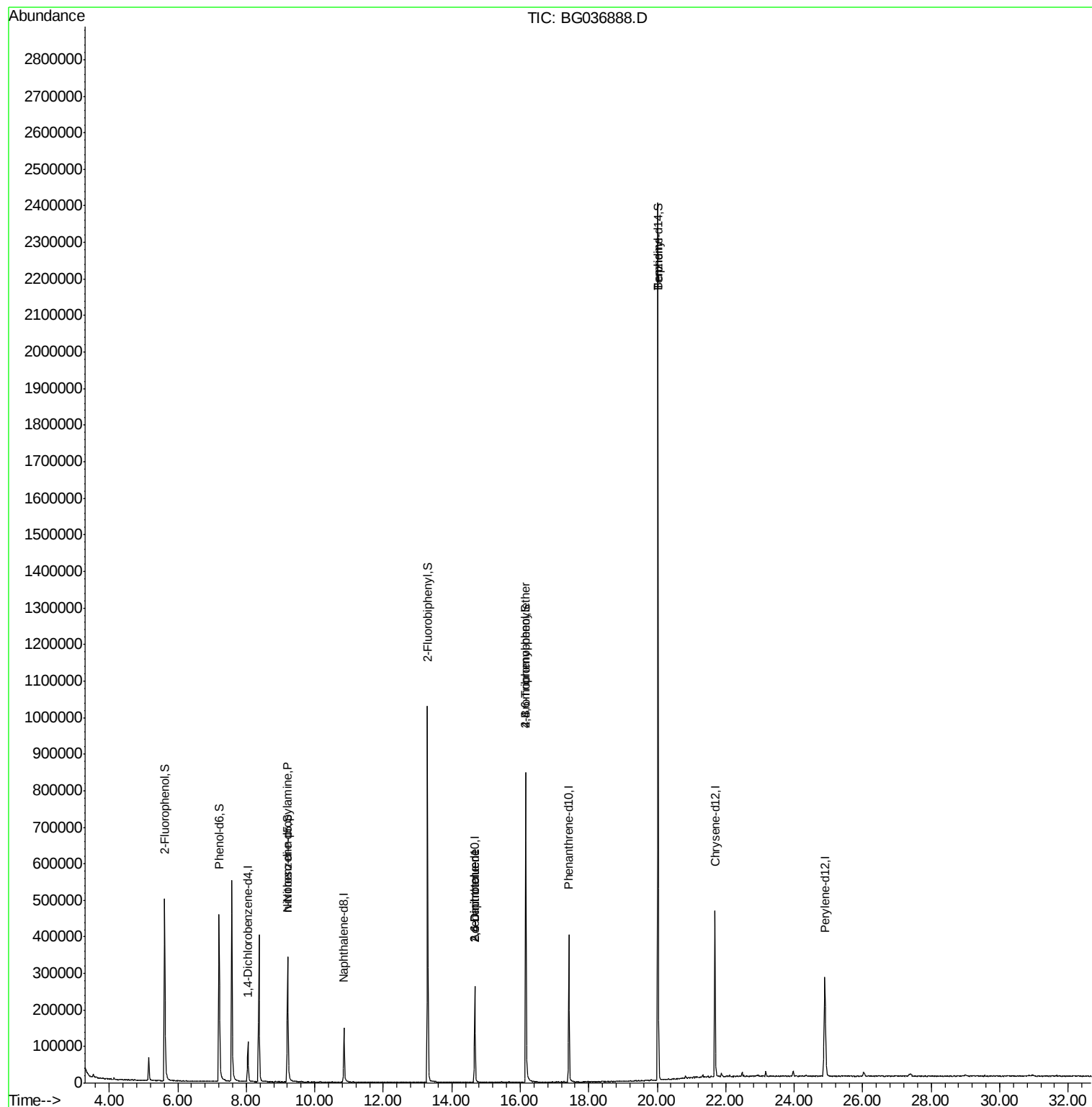
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	34838	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	147520	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	99617	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	280148	20.00	ng	0.00
75) Chrysene-d12	21.68	240	299516	20.00	ng	0.00
86) Perylene-d12	24.89	264	299593	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	241506	132.95	ng	0.00
7) Phenol-d6	7.21	99	313400	111.51	ng	0.00
23) Nitrobenzene-d5	9.21	82	250207	90.83	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	168741	141.58	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	571237	85.41	ng	0.00
78) Terphenyl-d14	20.02	244	1152893	101.21	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	33008	14.118	ng	# 72
50) 2,6-Dinitrotoluene	14.67	165	13099	7.487	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	13099	5.366	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	11943	3.748	ng	# 1
76) Benzidine	20.02	184	19253	2.126	ng	# 91

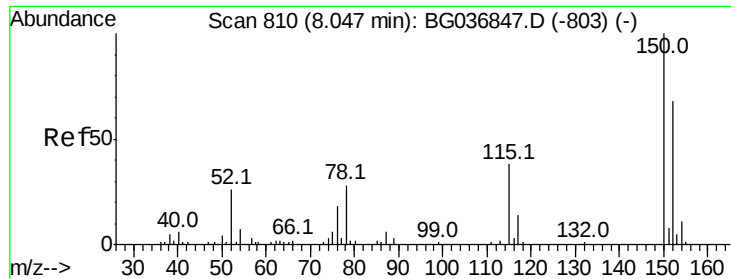
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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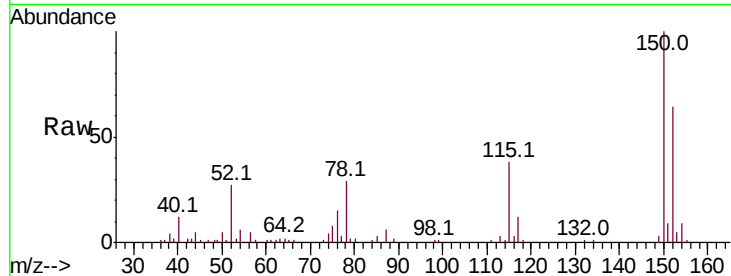


#1

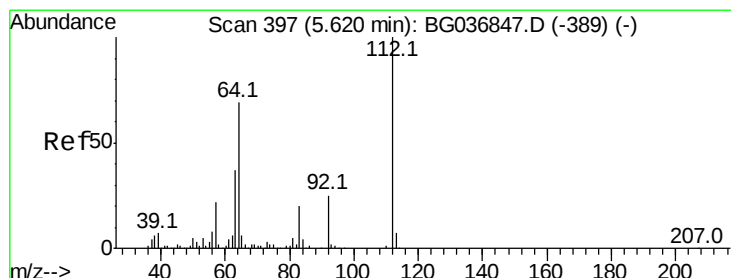
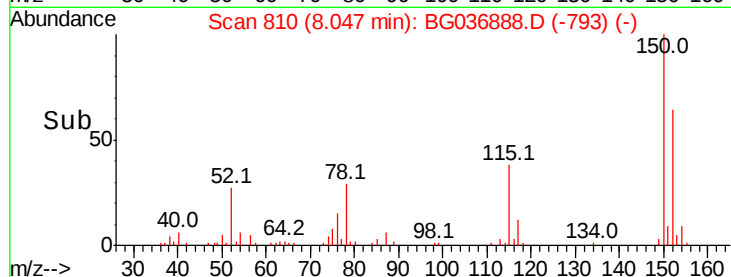
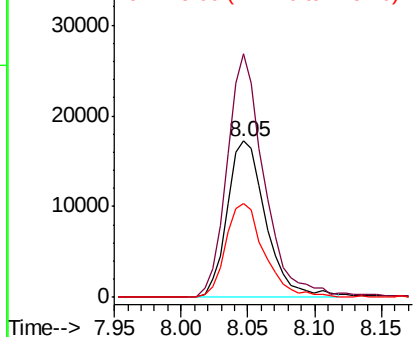
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036888.D
Acq: 22 Sep 2018 10:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34838
Ion Ratio Lower Upper
152 100
150 155.6 119.5 179.3
115 59.6 44.5 66.7



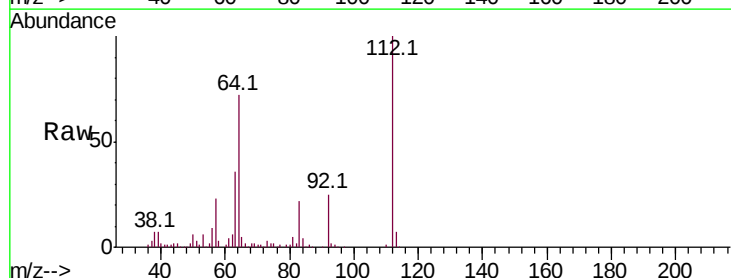
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



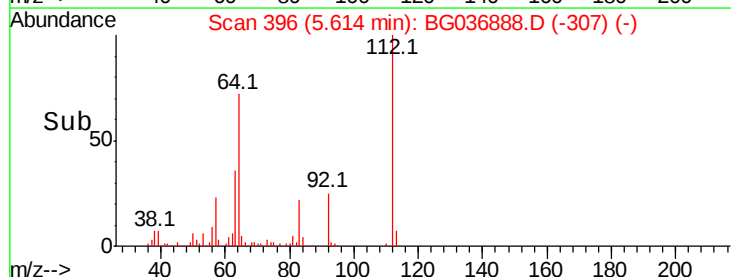
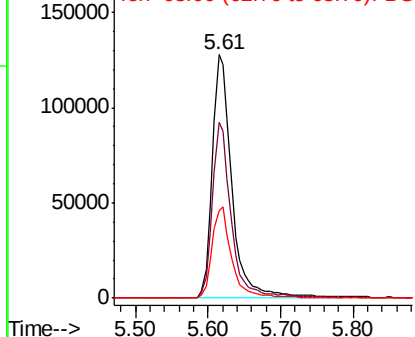
#5

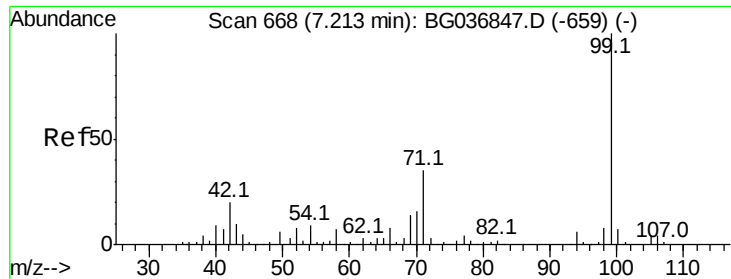
2-Fluorophenol
Concen: 132.946 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036888.D
Acq: 22 Sep 2018 10:58

Tgt Ion:112 Resp: 241506
Ion Ratio Lower Upper
112 100
64 71.9 57.2 85.8
63 35.9 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: 111.508 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036888.D

Acq: 22 Sep 2018 10:58

Instrument :

BNA_G

ClientSampleId :

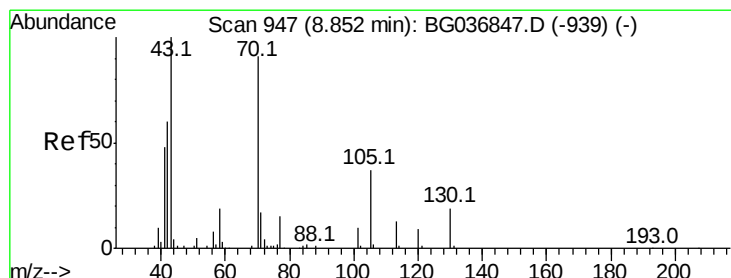
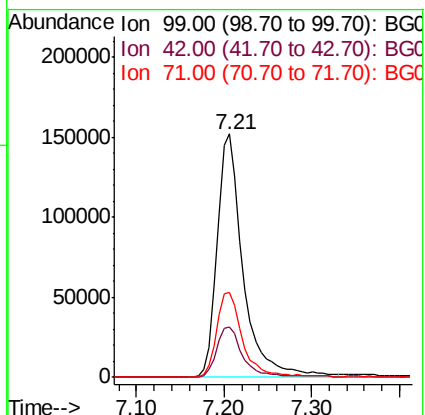
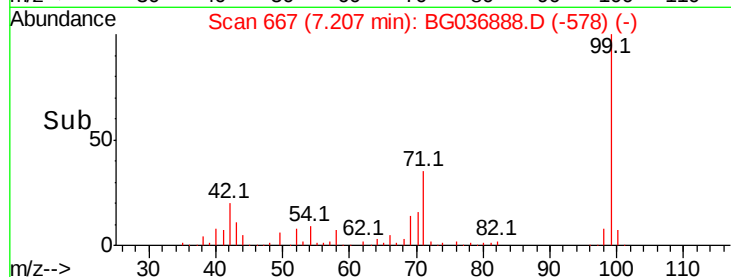
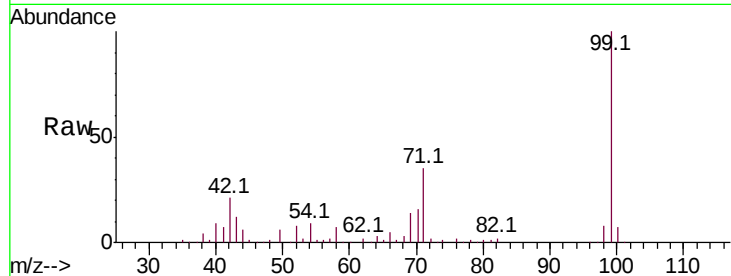
Tot Ion: 99 Resp: 313400

Ion Ratio Lower Upper

99 100

42 20.5 16.5 24.7

71 35.0 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.118 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036888.D

Acq: 22 Sep 2018 10:58

Tgt Ion: 70 Resp: 33008

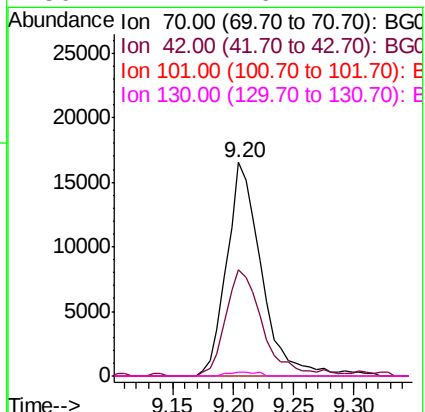
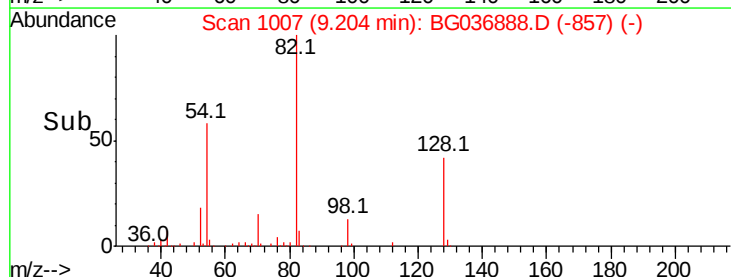
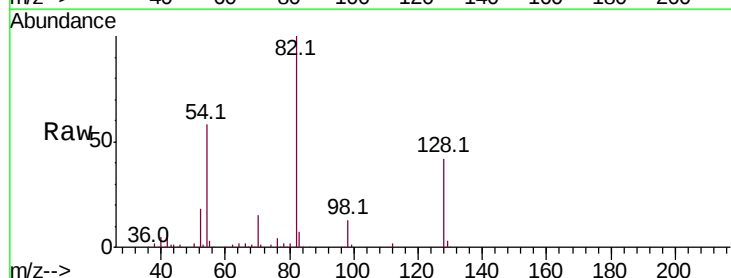
Ion Ratio Lower Upper

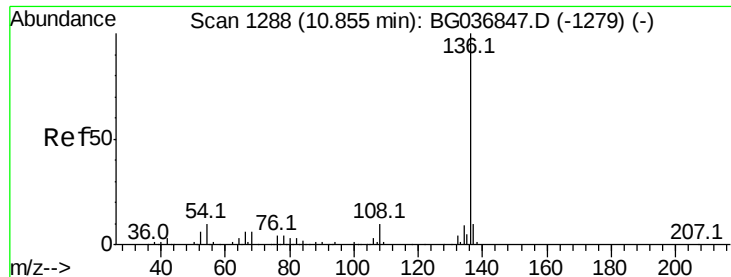
70 100

42 49.7 56.2 84.4#

101 0.0 7.8 11.6#

130 1.7 16.2 24.2#

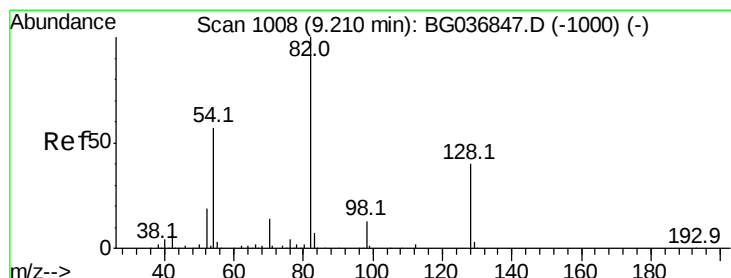
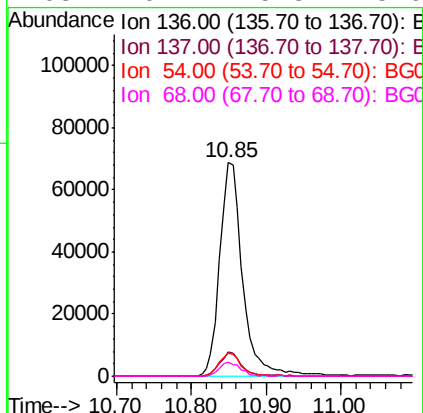
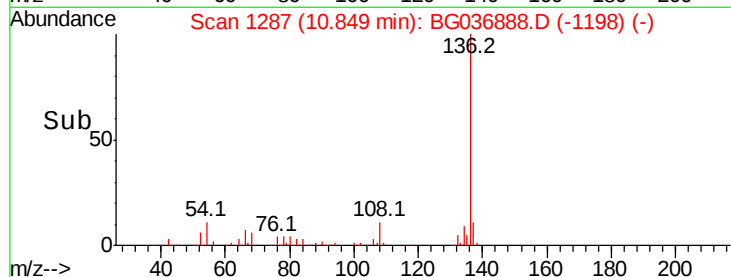
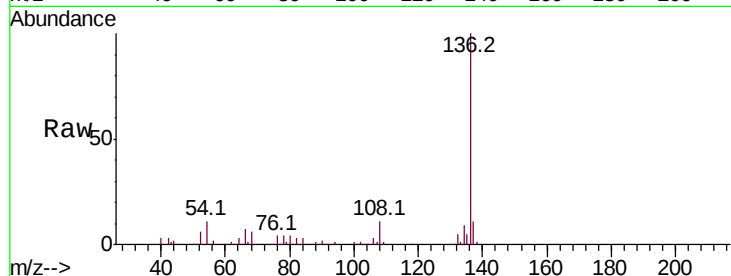




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036888.D
Acq: 22 Sep 2018 10:58

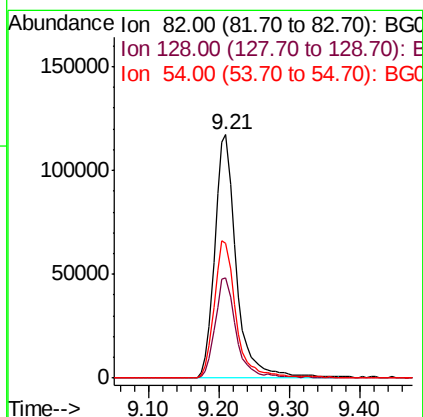
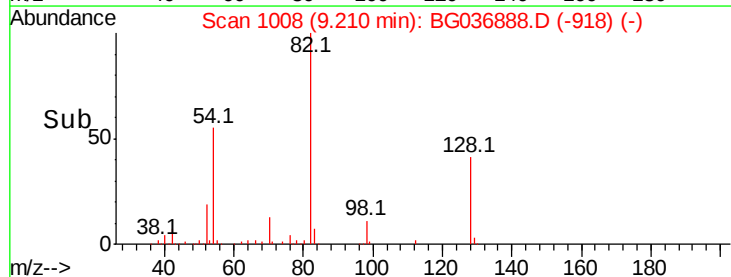
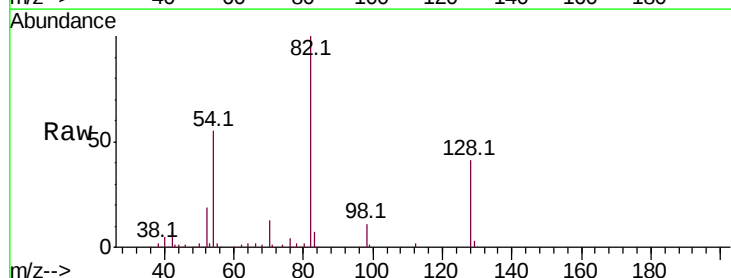
Instrument :
BNA_G
ClientSampleId :

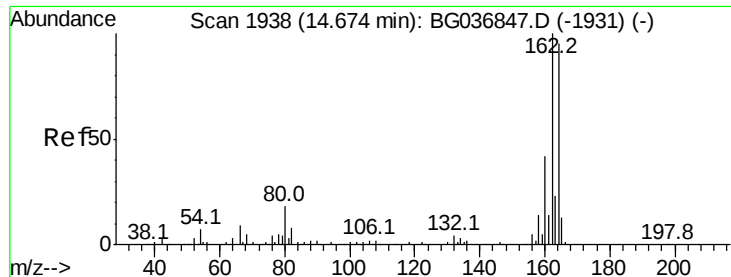
Tot Ion:	136	Resp:	147520
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	11.0	9.2	13.8
68	6.4	5.8	8.6



#23
Nitrobenzene-d5
Concen: 90.827 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BG036888.D
Acq: 22 Sep 2018 10:58

Tgt Ion:	82	Resp:	250207
Ion	Ratio	Lower	Upper
82	100		
128	40.9	33.3	49.9
54	55.5	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036888.D

Acq: 22 Sep 2018 10:58

Instrument :

BNA_G

ClientSampleId :

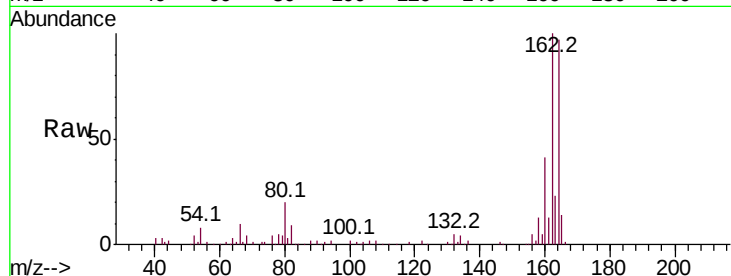
Tot Ion:164 Resp: 99617

Ion Ratio Lower Upper

164 100

162 102.6 80.7 121.1

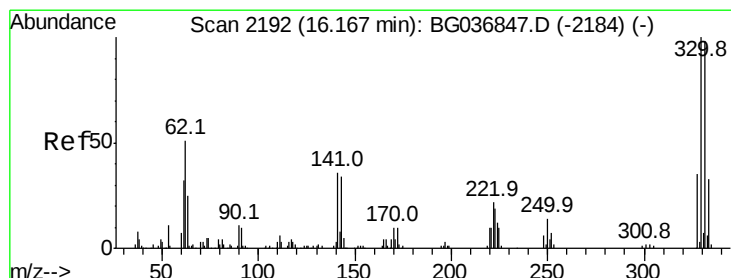
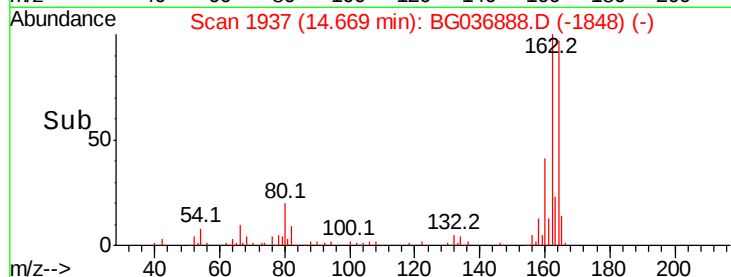
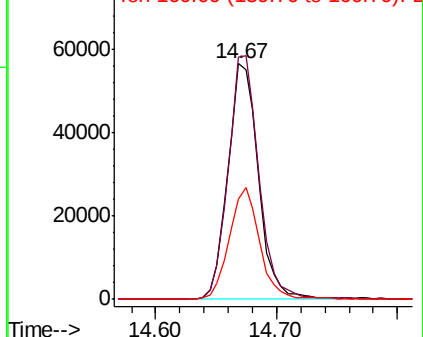
160 42.4 35.3 52.9



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



#41

2,4,6-Tribromophenol

Concen: 141.578 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036888.D

Acq: 22 Sep 2018 10:58

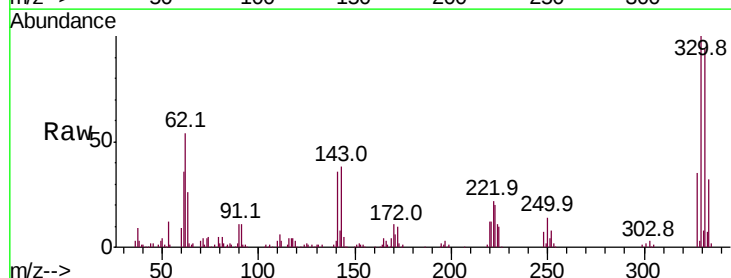
Tgt Ion:330 Resp: 168741

Ion Ratio Lower Upper

330 100

332 95.3 75.4 113.2

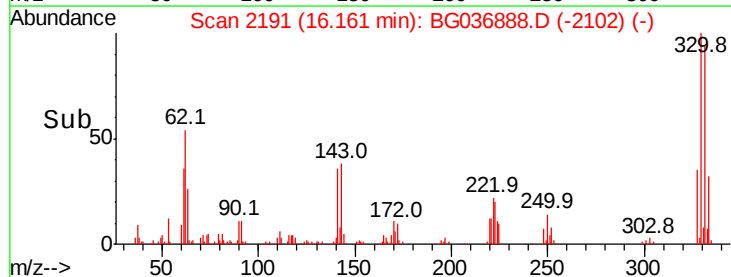
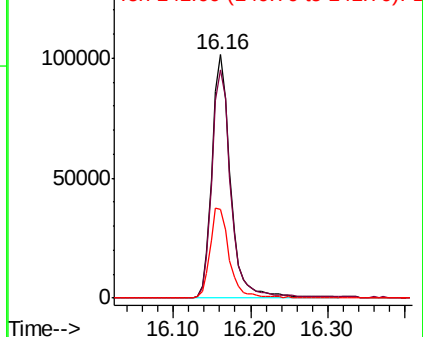
141 38.1 30.7 46.1

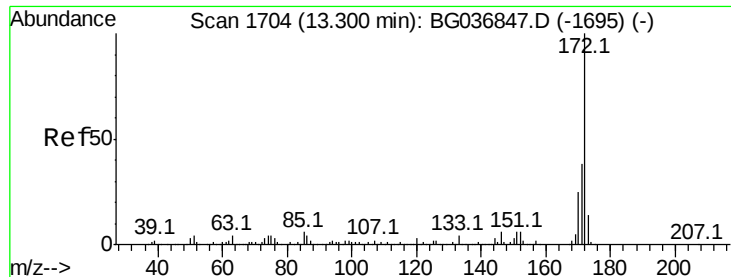


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 85.407 ng

RT: 13.29 min Scan# 1703

Delta R.T. -0.01 min

Lab File: BG036888.D

Acq: 22 Sep 2018 10:58

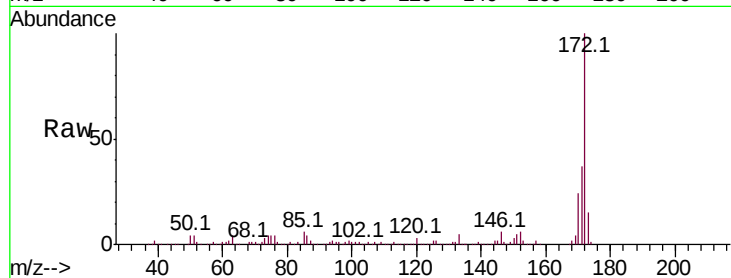
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 571237

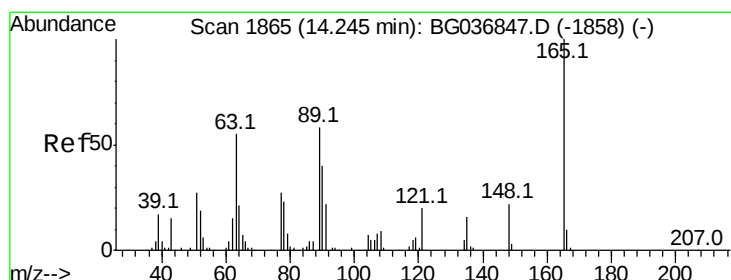
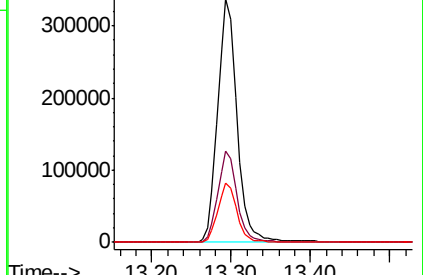
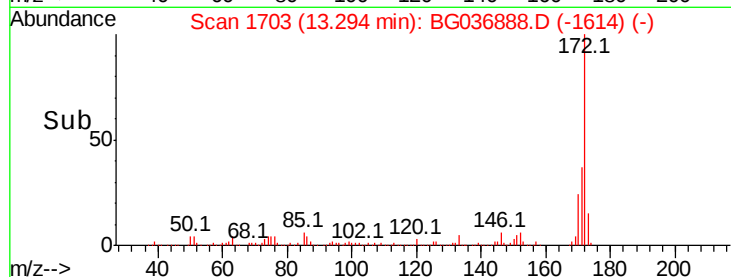
Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.3	46.9
170	24.1	21.0	31.6



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



#50

2,6-Dinitrotoluene

Concen: 7.487 ng

RT: 14.67 min Scan# 1937

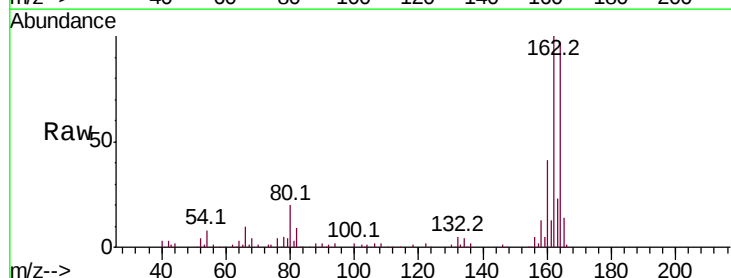
Delta R.T. 0.42 min

Lab File: BG036888.D

Acq: 22 Sep 2018 10:58

Tgt Ion:165 Resp: 13099

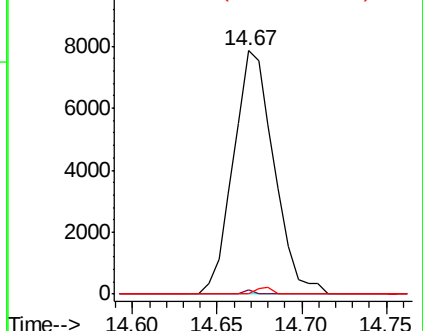
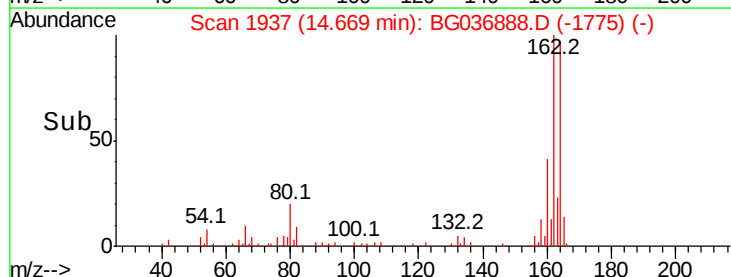
Ion	Ratio	Lower	Upper
165	100		
63	1.9	50.1	75.1#
89	0.0	47.8	71.6#

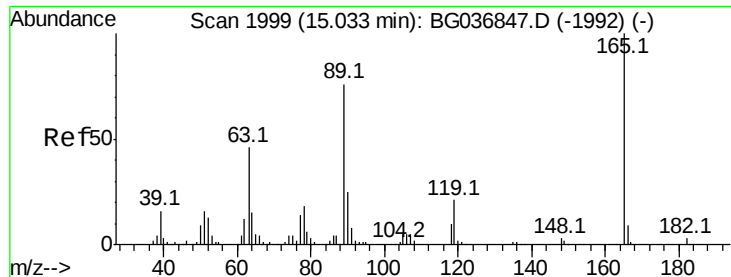


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

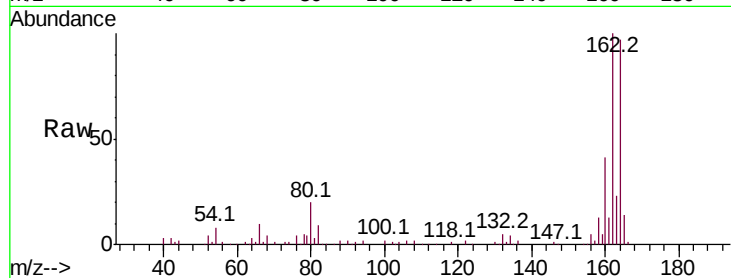




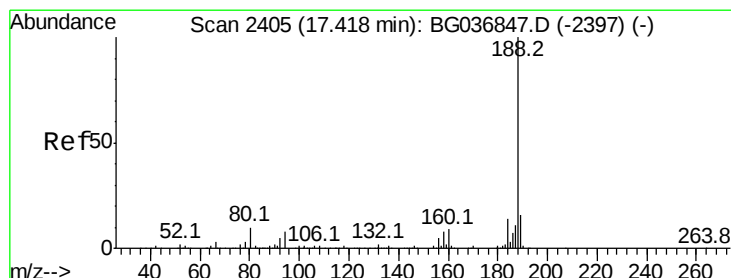
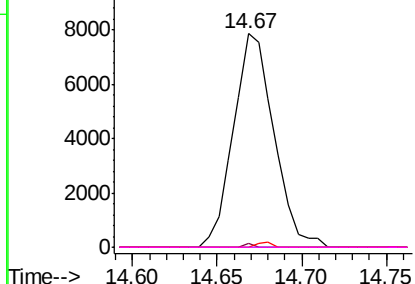
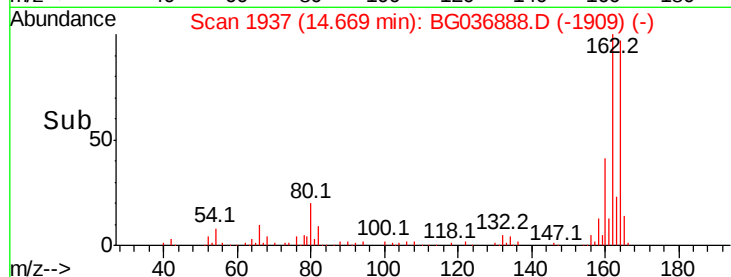
#56
 2,4-Dinitrotoluene
 Concen: 5.366 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036888.D
 Acq: 22 Sep 2018 10:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

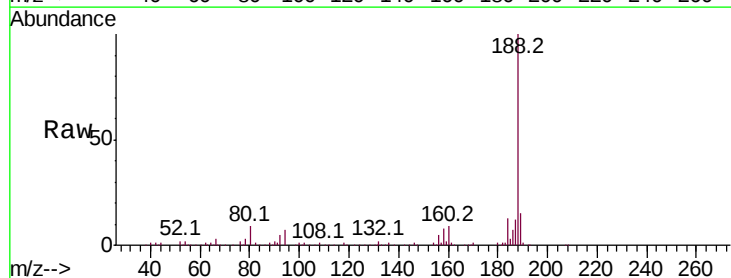


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

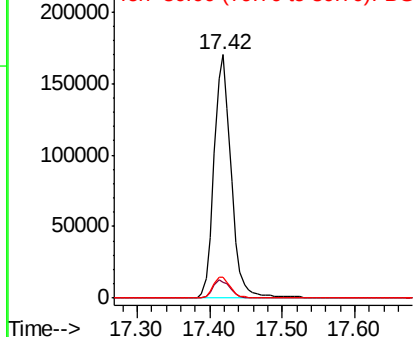
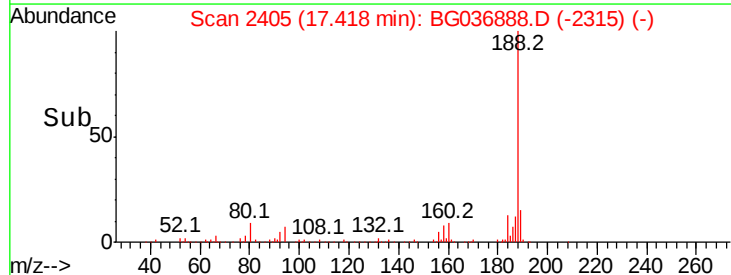


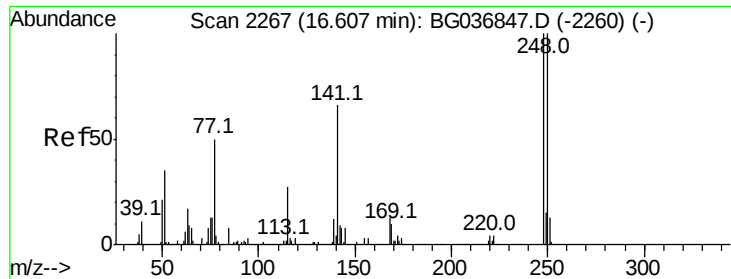
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. 0.00 min
 Lab File: BG036888.D
 Acq: 22 Sep 2018 10:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	6.7	10.1#
80	8.8	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

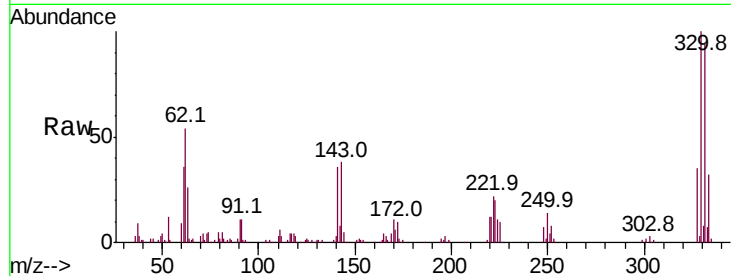




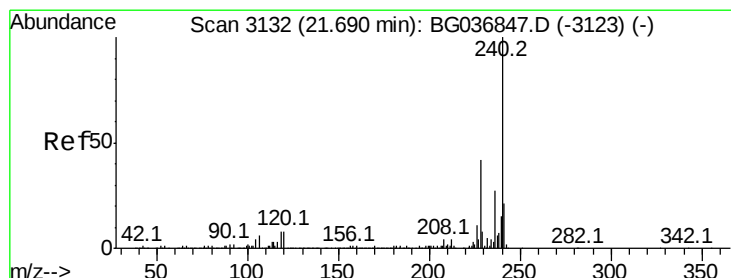
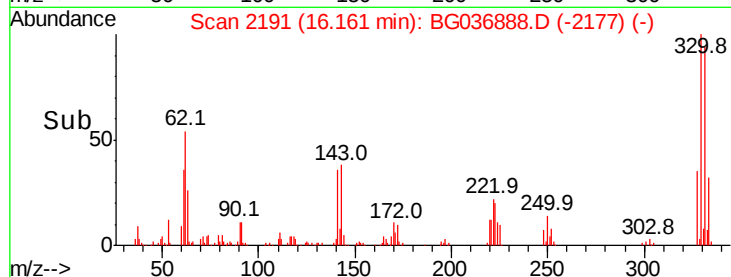
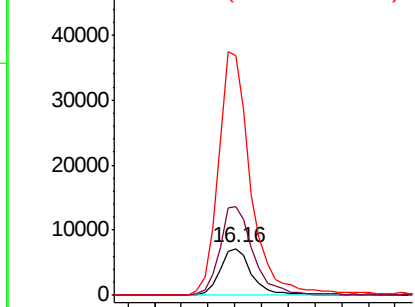
#66
 4-Bromophenyl-phenylether
 Concen: 3.748 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG036888.D
 Acq: 22 Sep 2018 10:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 11943
 Ion Ratio Lower Upper
 248 100
 250 190.6 78.1 117.1#
 141 511.3 53.7 80.5#

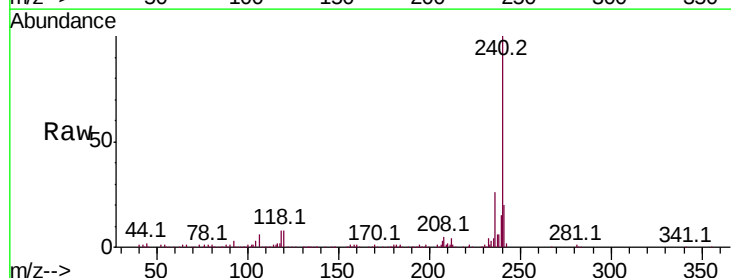


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

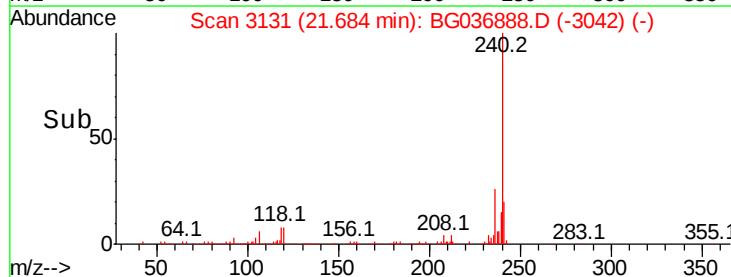
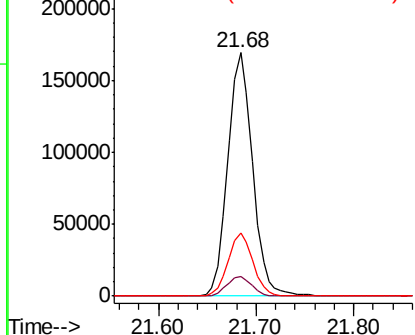


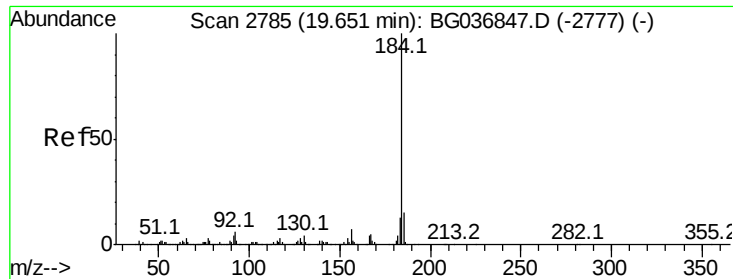
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG036888.D
 Acq: 22 Sep 2018 10:58

Tgt Ion:240 Resp: 299516
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.9 10.3
 236 25.7 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

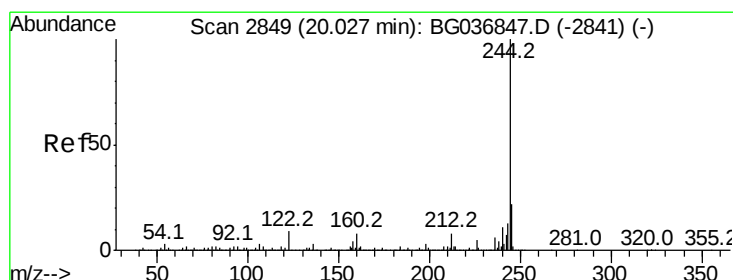
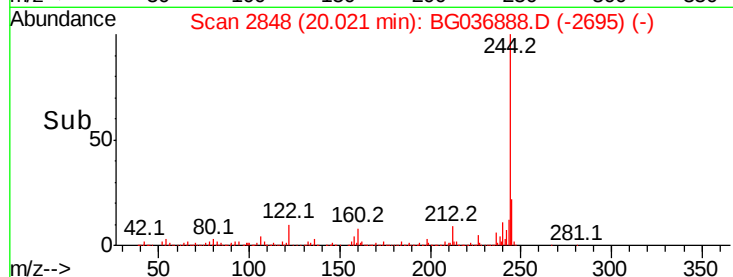
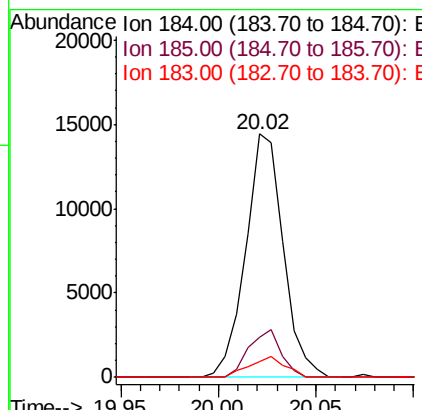
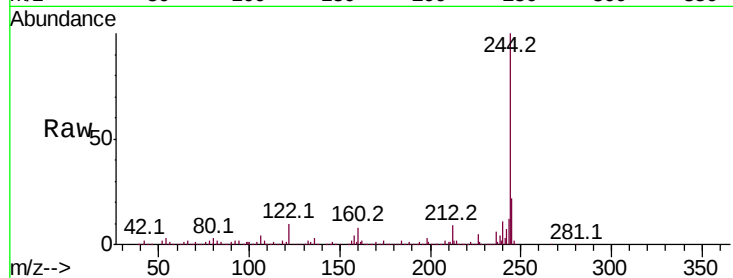




#76
Benzidine
Concen: 2.126 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG036888.D
Acq: 22 Sep 2018 10:58

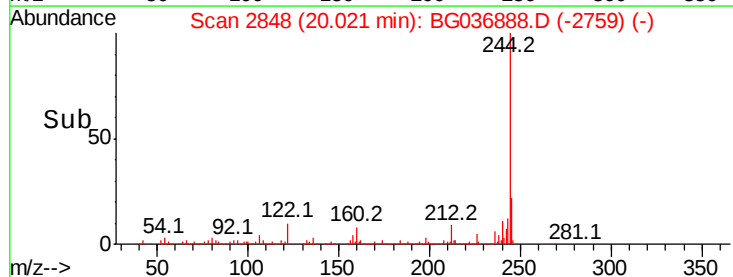
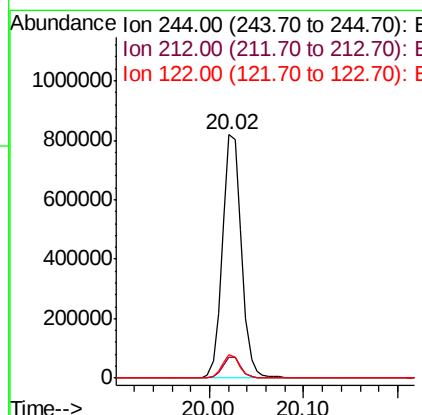
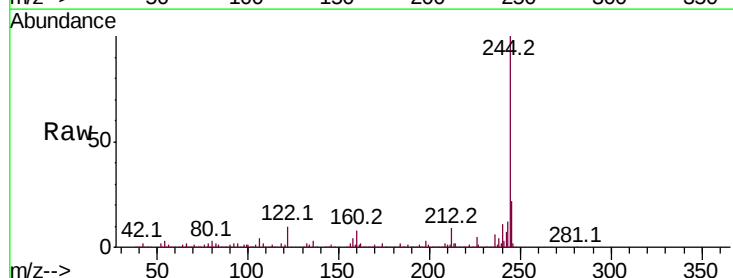
Instrument :
BNA_G
ClientSampleId :

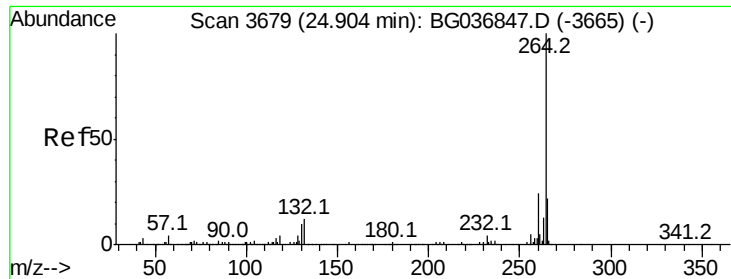
Tot Ion	Ratio	Lower	Upper
184	100		
185	16.3	12.6	18.8
183	6.3	10.9	16.3



#78
Terphenyl-d14
Concen: 101.214 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG036888.D
Acq: 22 Sep 2018 10:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.6
122	9.6	7.1	10.7

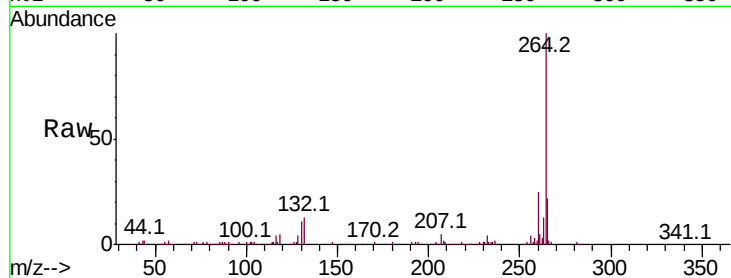




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG036888.D
Acq: 22 Sep 2018 10:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	299593
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.6	29.4
265	22.3	17.4	26.0



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

