

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120118\
 Data File : BG038297.D
 Acq On : 1 Dec 2018 21:25
 Operator : JU/SJ
 Sample : J6128-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 112718-CHDE-F-D-S

Quant Time: Dec 03 01:09:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

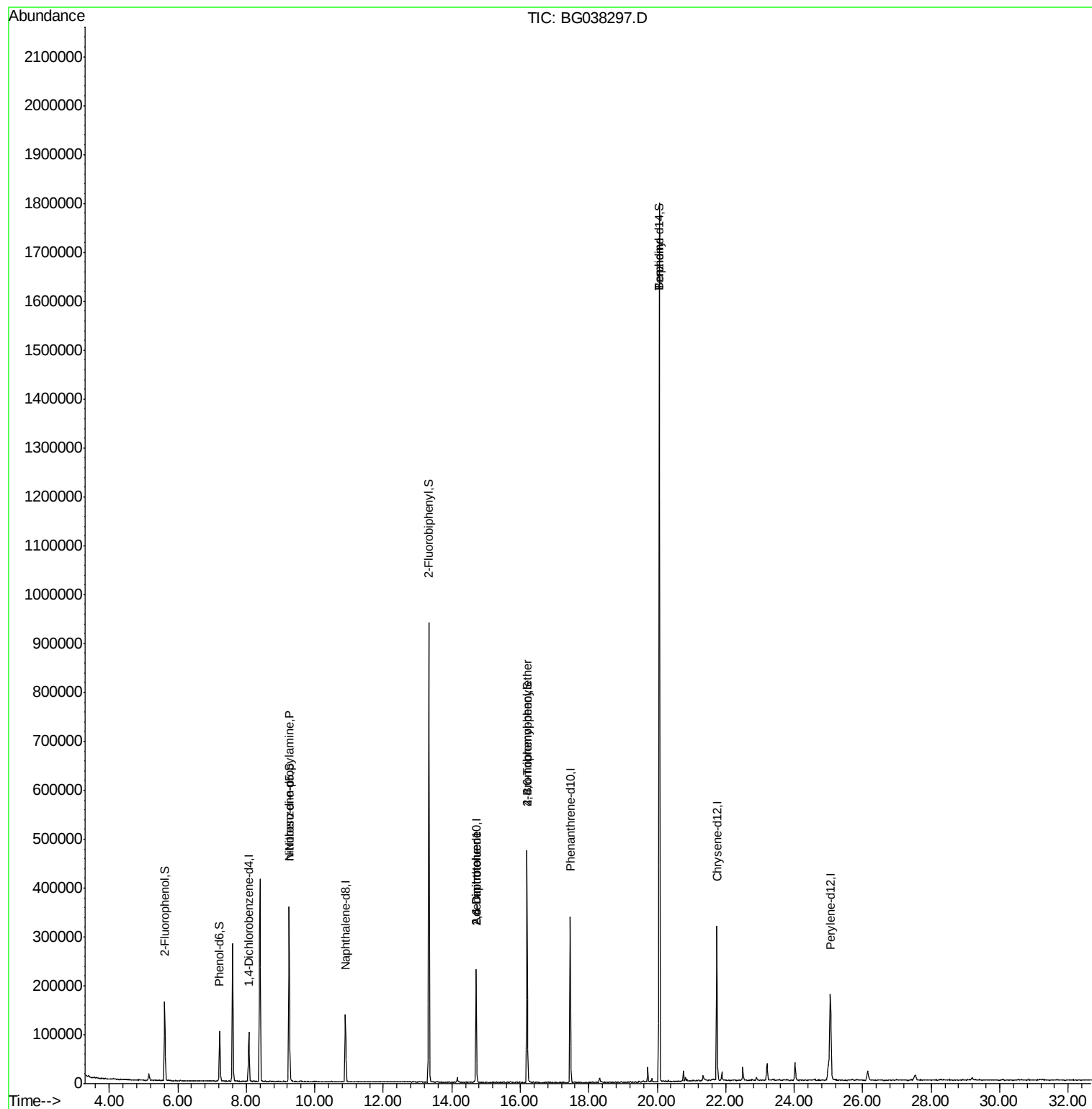
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	28801	20.00	ng	-0.01
21) Naphthalene-d8	10.90	136	126026	20.00	ng	-0.01
39) Acenaphthene-d10	14.71	164	84065	20.00	ng	-0.01
64) Phenanthrene-d10	17.46	188	209682	20.00	ng	-0.01
76) Chrysene-d12	21.74	240	201152	20.00	ng	-0.01
87) Perylene-d12	25.05	264	205711	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	73222	43.90	ng	-0.01
7) Phenol-d6	7.22	99	63382	26.62	ng	-0.01
23) Nitrobenzene-d5	9.25	82	222111	94.34	ng	-0.01
42) 2,4,6-Tribromophenol	16.20	330	89759	93.62	ng	-0.01
45) 2-Fluorobiphenyl	13.34	172	521677	90.41	ng	-0.01
79) Terphenyl-d14	20.06	244	867934	101.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	28398	16.482	ng	# 80
51) 2,6-Dinitrotoluene	14.71	165	10374	6.878	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	10374	5.055	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	6371	2.768	ng	# 1
77) Benzidine	20.06	184	16355	2.317	ng	# 97

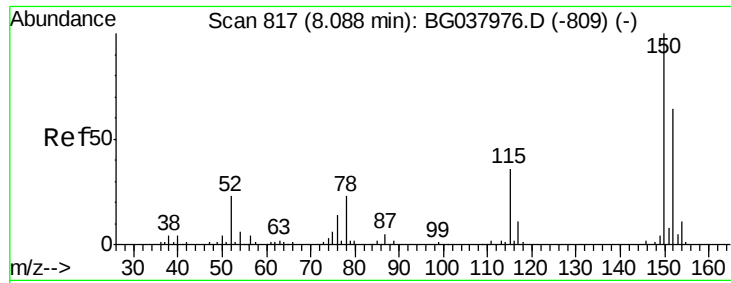
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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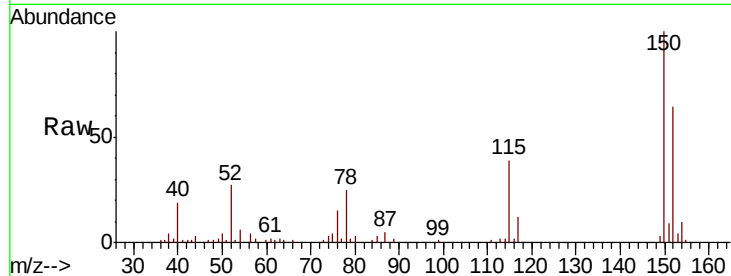


#1

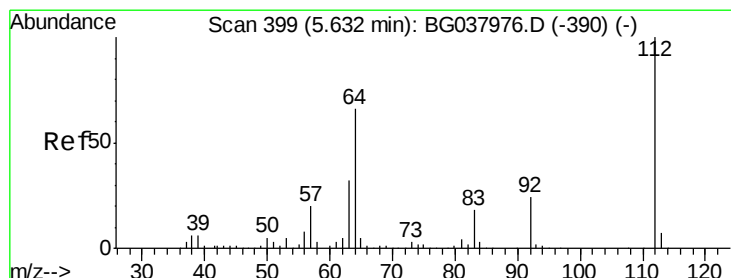
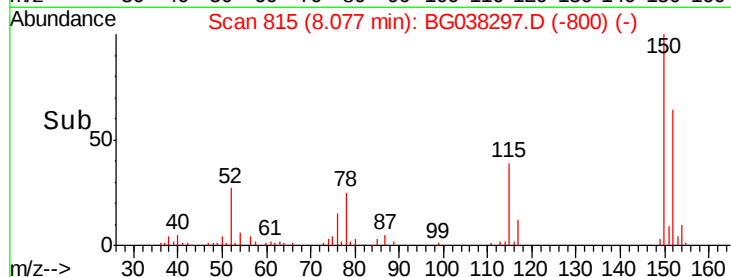
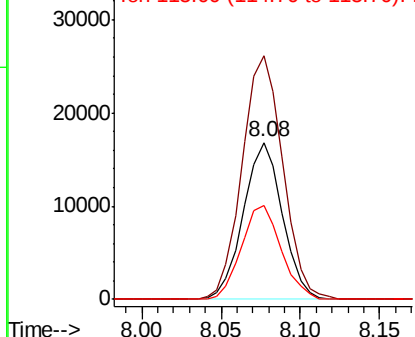
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG038297.D
Acq: 1 Dec 2018 21:25

Instrument :
BNA_G
ClientSampleId :
112718-CHDE-F-D-S

Tot Ion:152 Resp: 28801
Ion Ratio Lower Upper
152 100
150 155.2 126.0 189.0
115 60.2 45.5 68.3



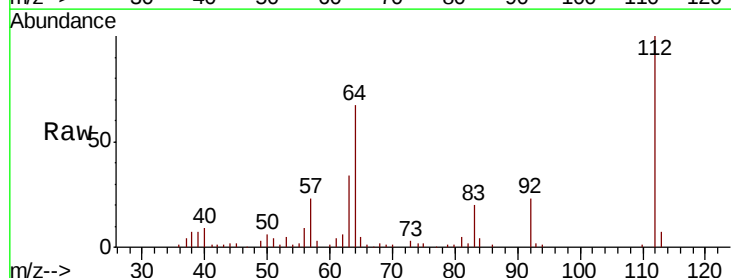
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



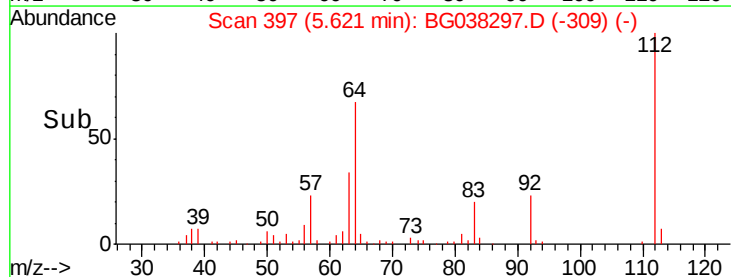
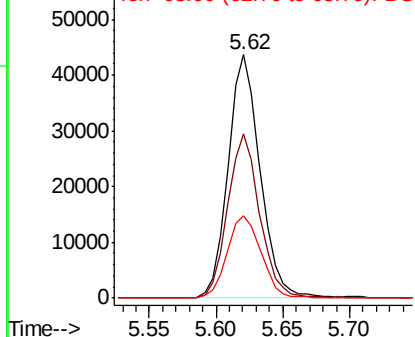
#5

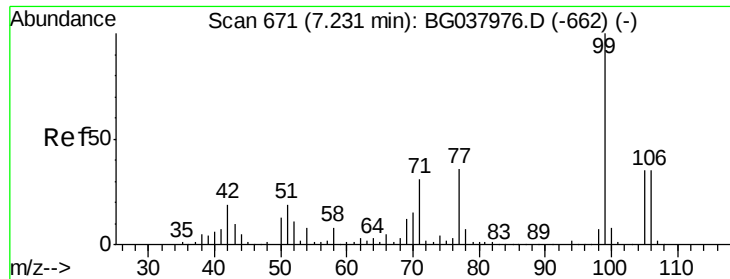
2-Fluorophenol
Concen: 43.895 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BG038297.D
Acq: 1 Dec 2018 21:25

Tgt Ion:112 Resp: 73222
Ion Ratio Lower Upper
112 100
64 67.3 53.1 79.7
63 33.8 27.3 40.9



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: 26.618 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038297.D

Acq: 1 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

112718-CHDE-F-D-S

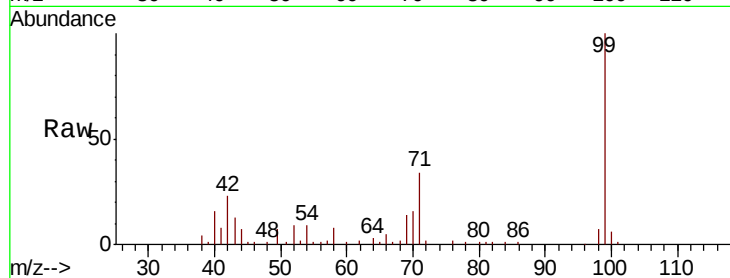
Tot Ion: 99 Resp: 63382

Ion Ratio Lower Upper

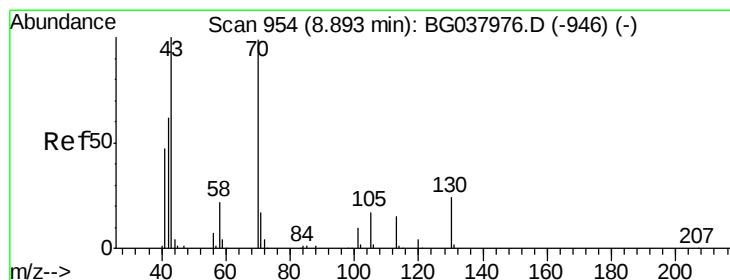
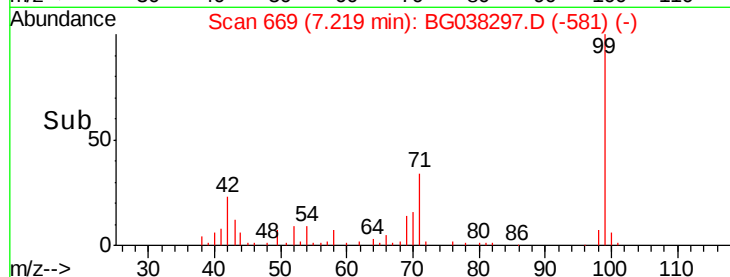
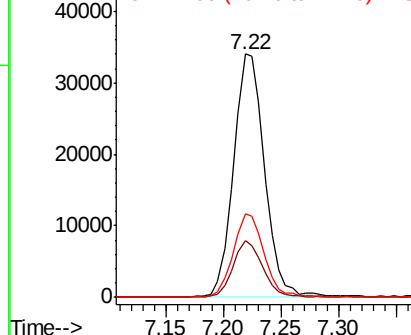
99 100

42 23.1 15.0 22.4#

71 34.3 25.5 38.3



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: 16.482 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.36 min

Lab File: BG038297.D

Acq: 1 Dec 2018 21:25

Tgt Ion: 70 Resp: 28398

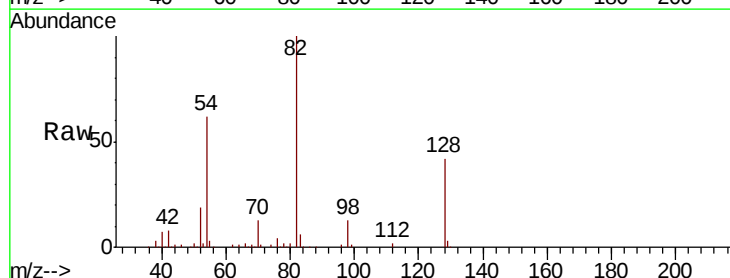
Ion Ratio Lower Upper

70 100

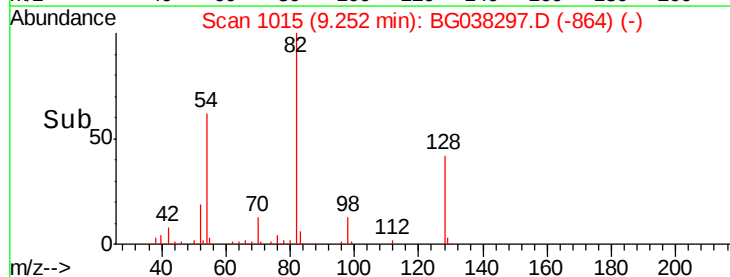
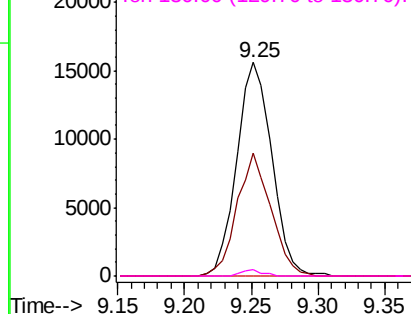
42 57.4 53.9 80.9

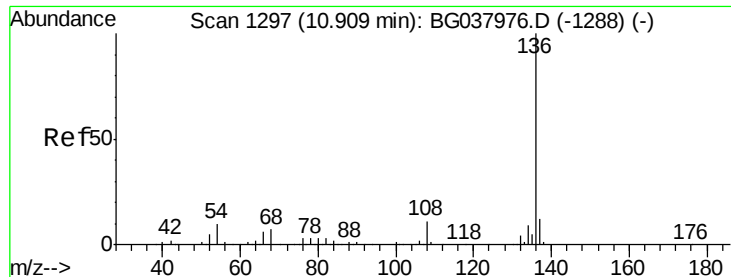
101 0.0 8.2 12.2#

130 3.0 18.2 27.4#



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

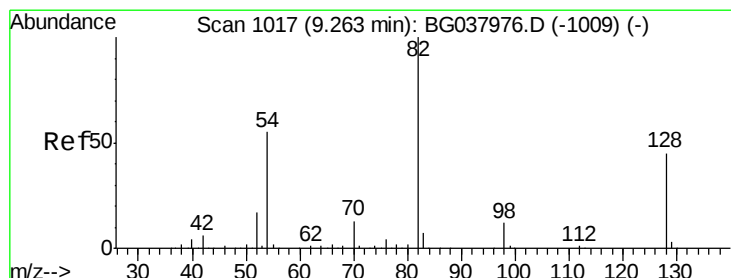
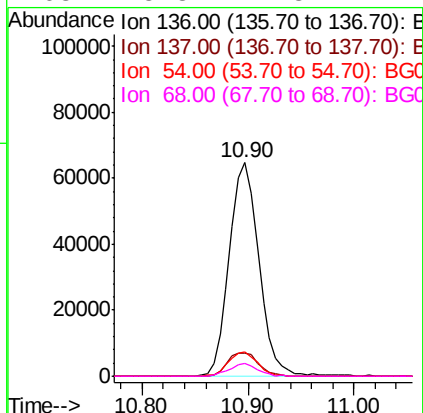
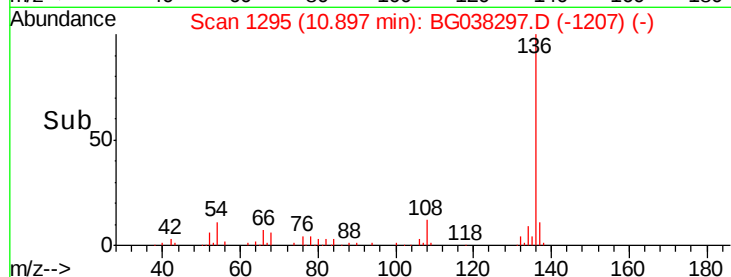
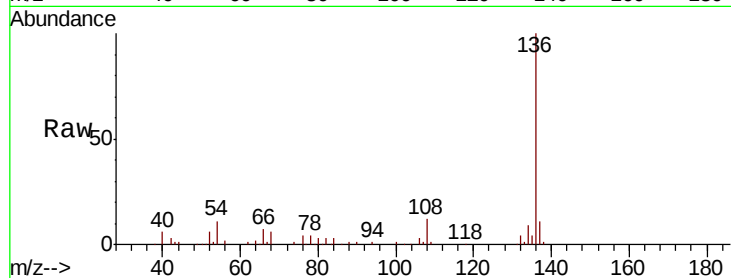




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG038297.D
Acq: 1 Dec 2018 21:25

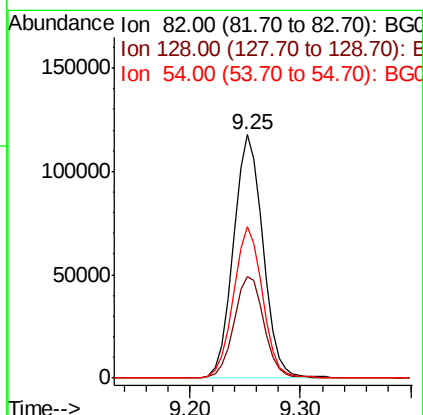
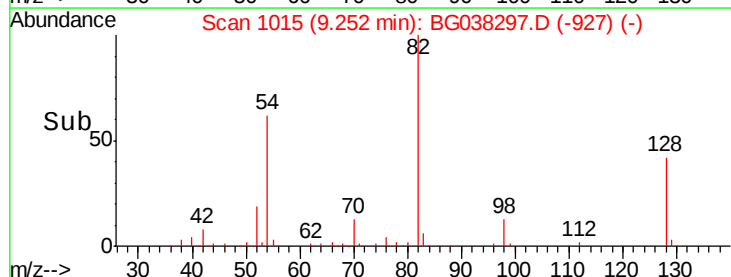
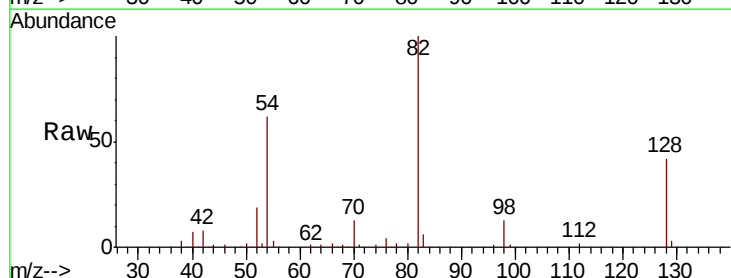
Instrument :
BNA_G
ClientSampleId :
112718-CHDE-F-D-S

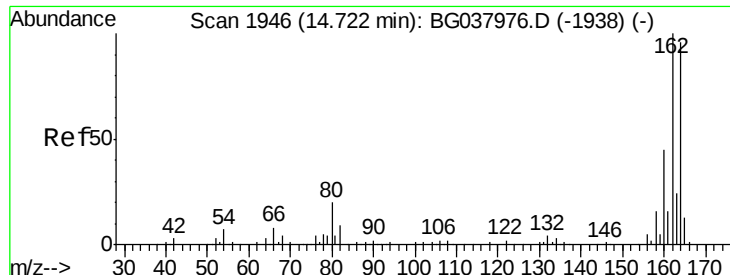
Tot Ion:136	Resp:	126026
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.6 14.4
54	11.5	7.9 11.9
68	5.8	4.8 7.2



#23
Nitrobenzene-d5
Concen: 94.343 ng
RT: 9.25 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BG038297.D
Acq: 1 Dec 2018 21:25

Tgt Ion: 82	Resp:	222111
Ion	Ratio	Lower Upper
82	100	
128	41.8	34.6 51.8
54	62.5	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG038297.D

Acq: 1 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

112718-CHDE-F-D-S

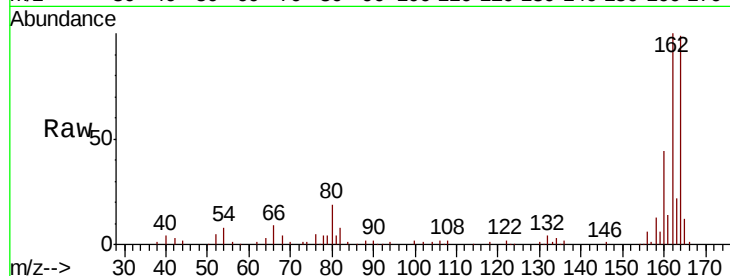
Tot Ion:164 Resp: 84065

Ion Ratio Lower Upper

164 100

162 100.9 81.3 121.9

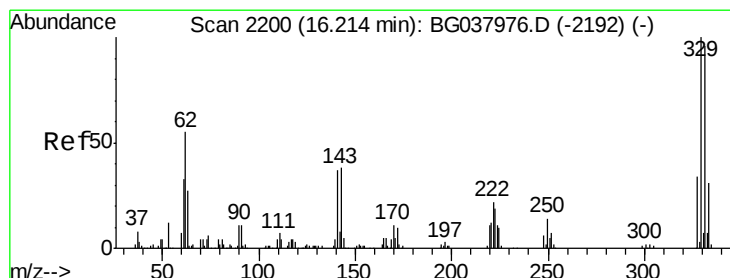
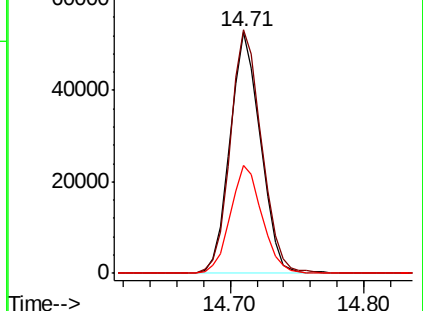
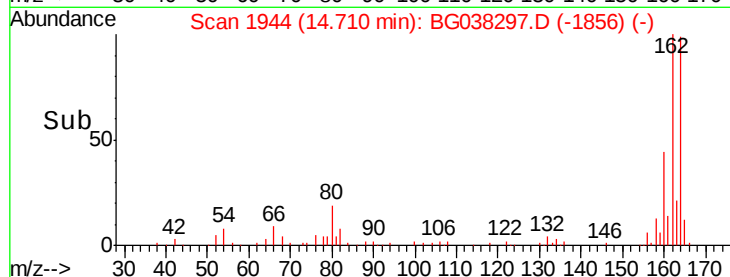
160 44.8 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 93.622 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038297.D

Acq: 1 Dec 2018 21:25

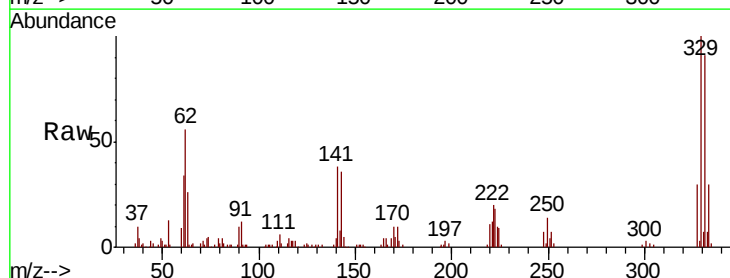
Tgt Ion:330 Resp: 89759

Ion Ratio Lower Upper

330 100

332 93.9 78.4 117.6

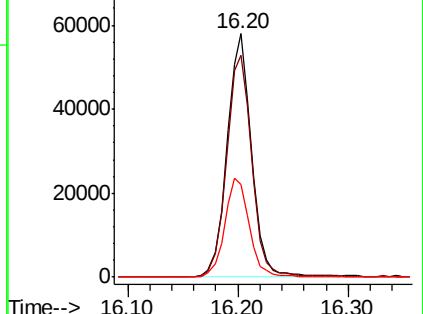
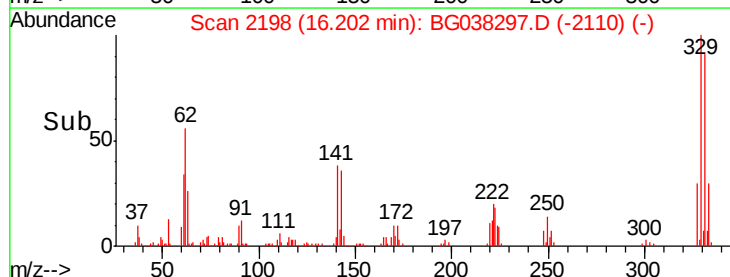
141 40.9 32.2 48.2

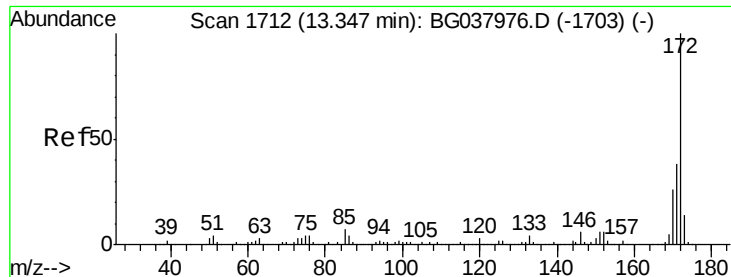


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

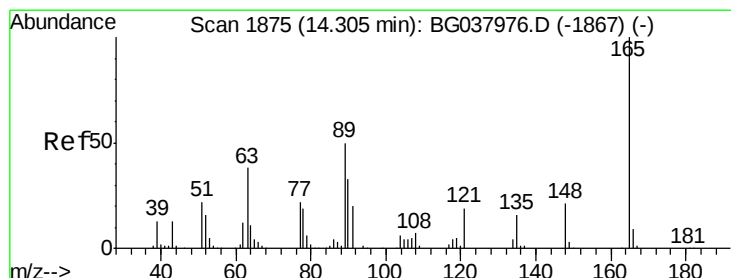
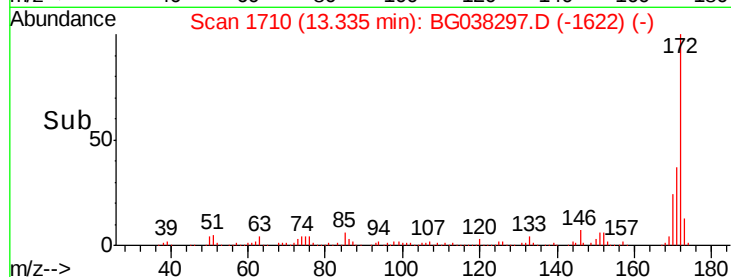
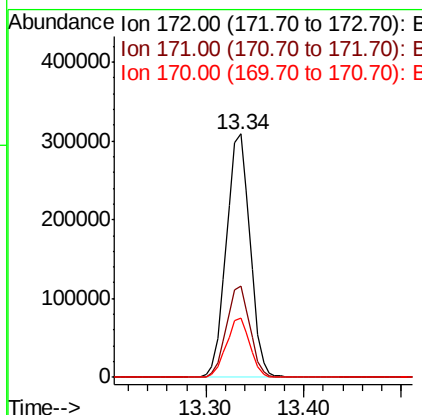
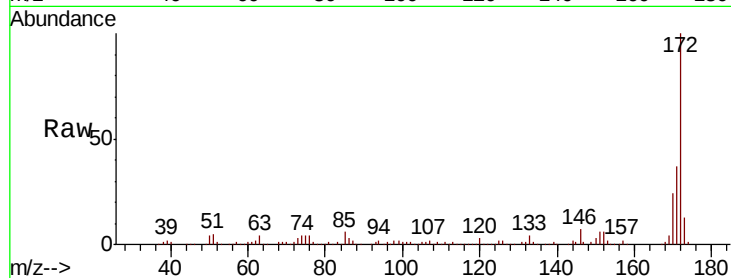




#45
 2-Fluorobiphenyl
 Concen: 90.407 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038297.D
 Acq: 1 Dec 2018 21:25

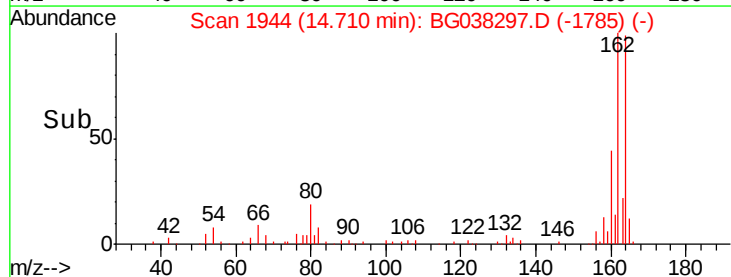
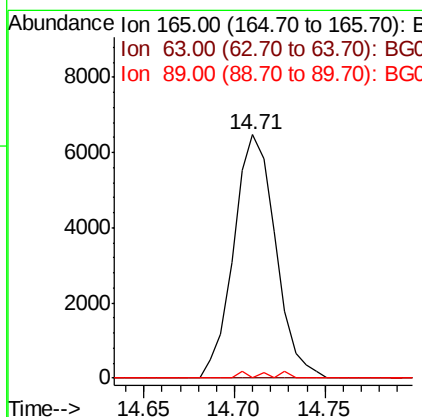
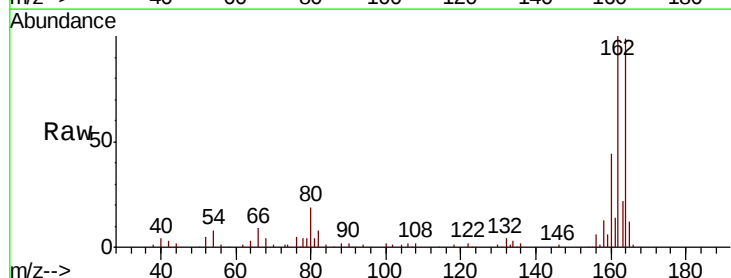
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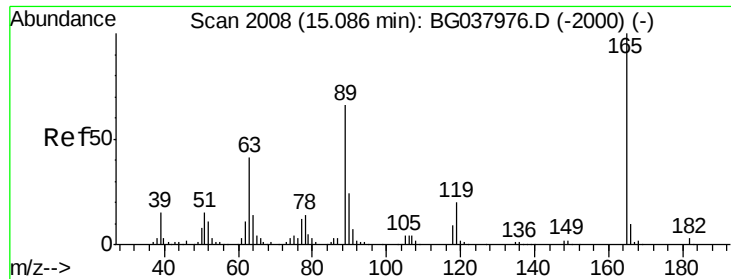
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.0	46.4
170	24.3	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 6.878 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. 0.41 min
 Lab File: BG038297.D
 Acq: 1 Dec 2018 21:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#

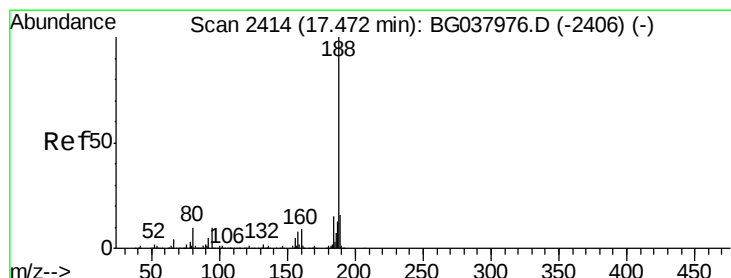
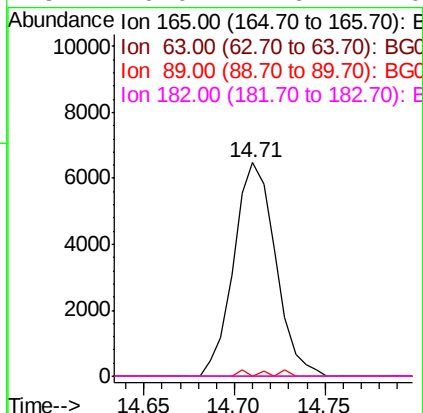
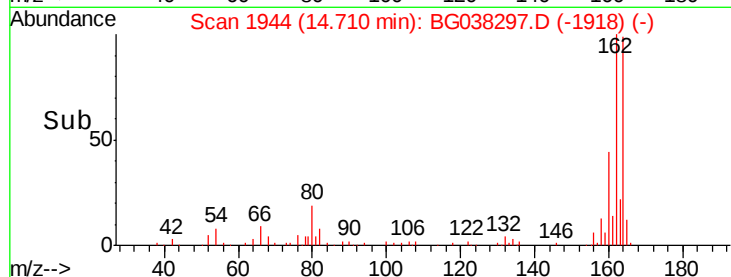
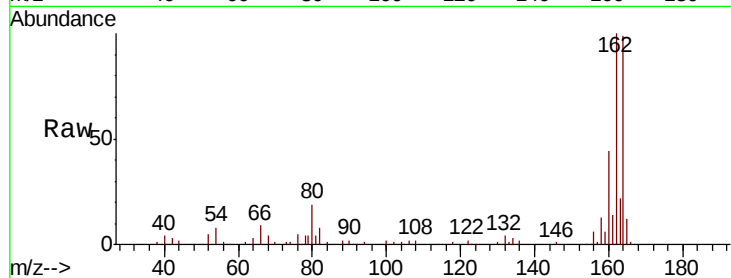




#57
 2,4-Dinitrotoluene
 Concen: 5.055 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.38 min
 Lab File: BG038297.D
 Acq: 1 Dec 2018 21:25

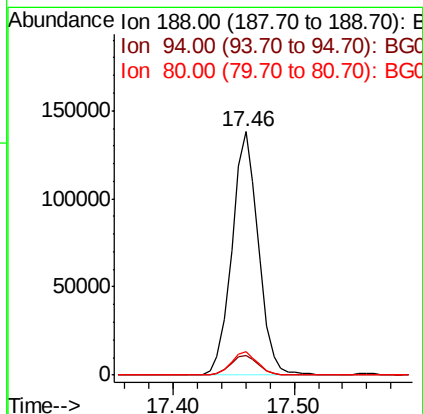
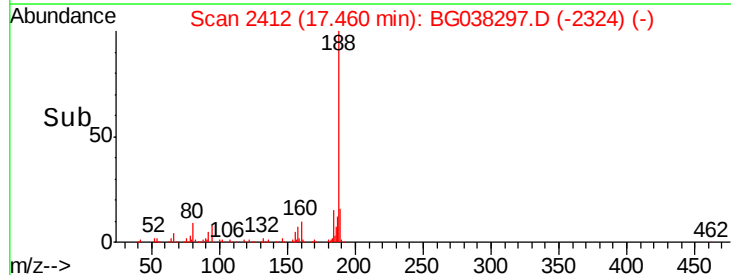
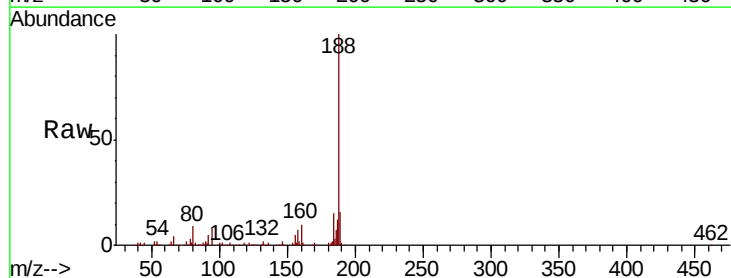
Instrument :
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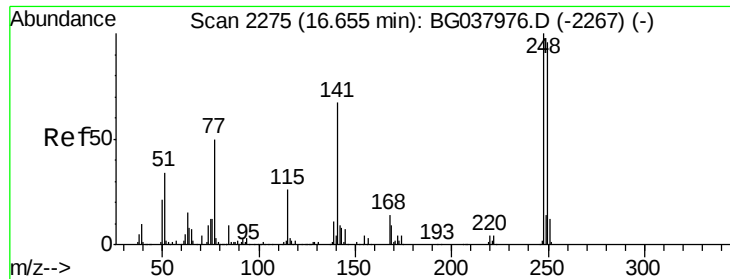
Tot Ion:165	Resp: 10374
Ion Ratio	Lower Upper
165 100	
63 0.0	33.4 50.0#
89 0.0	57.2 85.8#
182 0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG038297.D
 Acq: 1 Dec 2018 21:25

Tgt Ion	188	Resp: Lower	209682 Upper
	Ratio		
188	100		
94	8.0	7.2	10.8
80	9.4	7.7	11.5

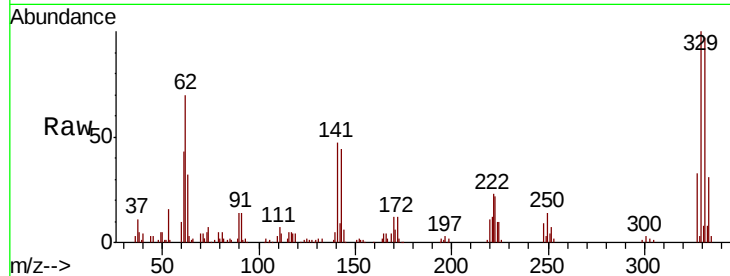




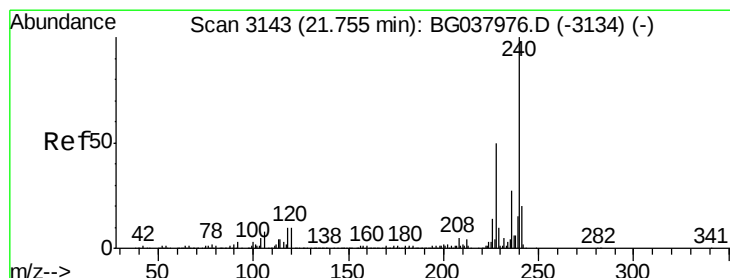
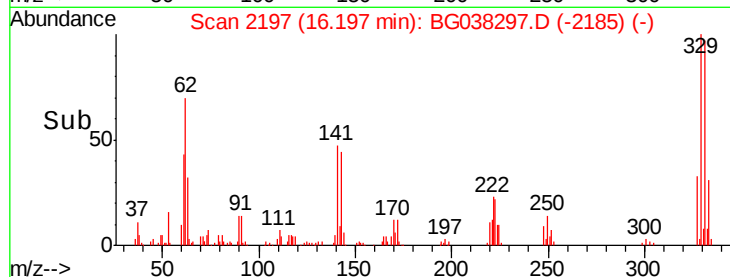
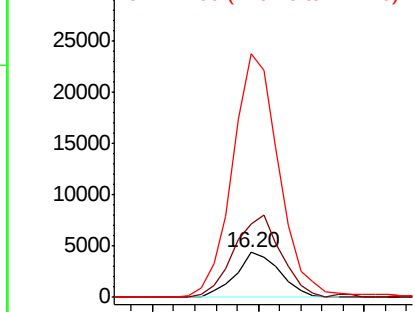
#67
4-Bromophenyl-phenylether
Concen: 2.768 ng
RT: 16.20 min Scan# 2197
Delta R.T. -0.46 min
Lab File: BG038297.D
Acq: 1 Dec 2018 21:25

Instrument :
BNA_G
ClientSampleId :
112718-CHDE-F-D-S

Tot Ion:248 Resp: 6371
Ion Ratio Lower Upper
248 100
250 163.6 77.0 115.6#
141 412.7 55.5 83.3#

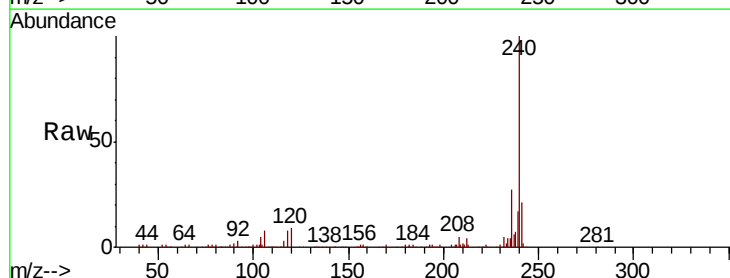


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

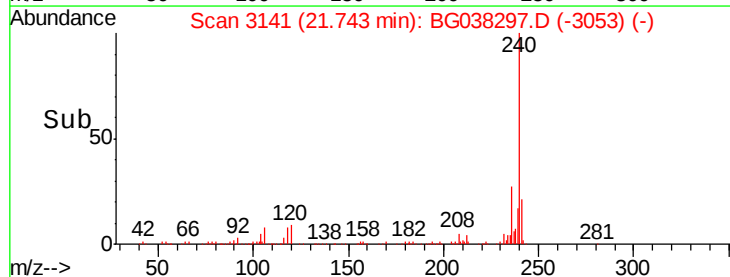
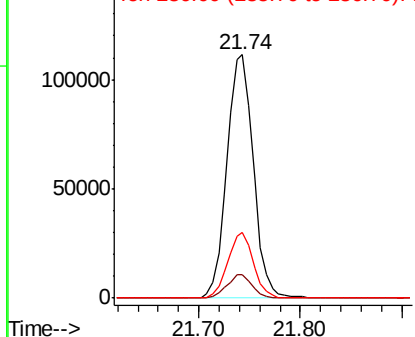


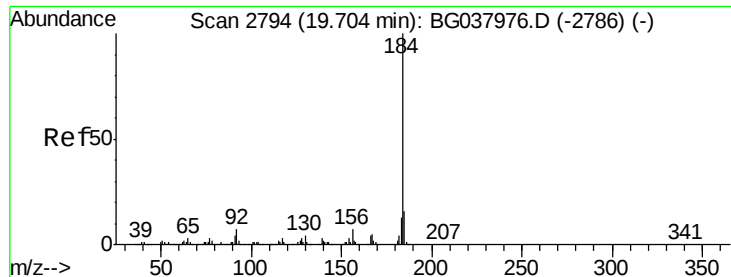
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG038297.D
Acq: 1 Dec 2018 21:25

Tgt Ion:240 Resp: 201152
Ion Ratio Lower Upper
240 100
120 9.5 8.1 12.1
236 27.2 21.4 32.0



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





#77

Benzidine

Concen: 2.317 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038297.D

Acq: 1 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

112718-CHDE-F-D-S

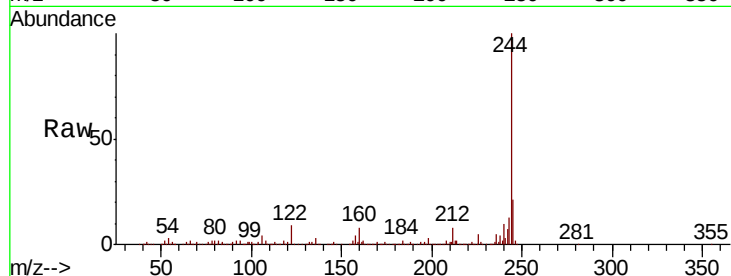
Tot Ion:184 Resp: 16355

Ion Ratio Lower Upper

184 100

185 15.4 12.6 18.8

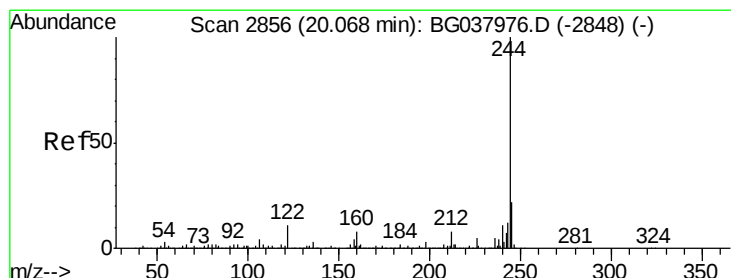
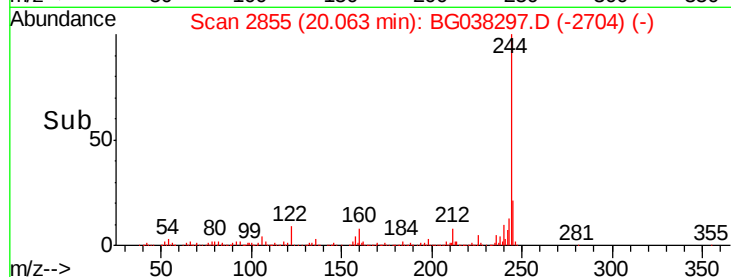
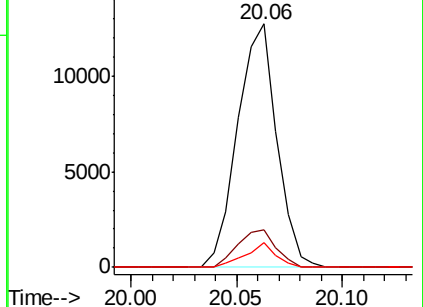
183 10.1 10.2 15.2#



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



#79

Terphenyl-d14

Concen: 101.528 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG038297.D

Acq: 1 Dec 2018 21:25

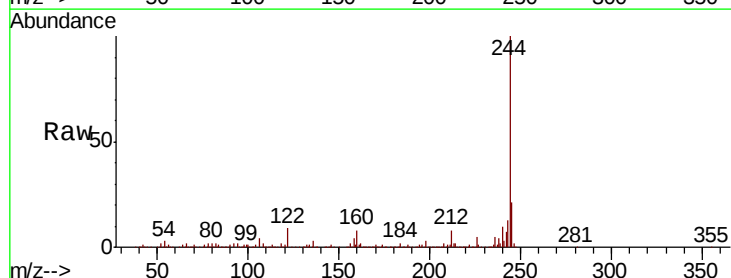
Tgt Ion:244 Resp: 867934

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

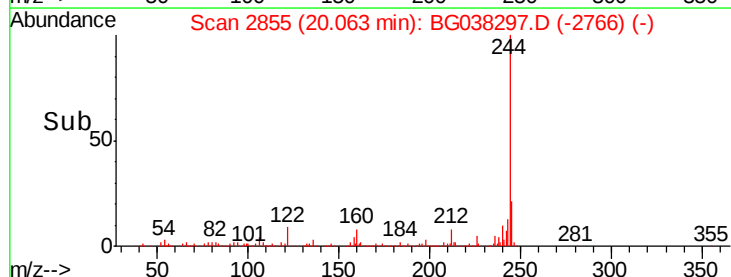
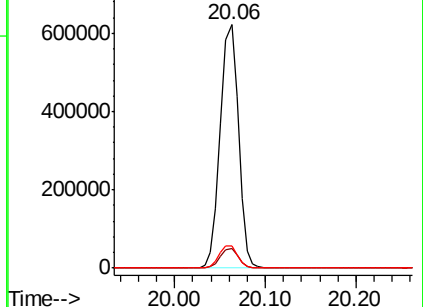
122 9.2 9.0 13.4

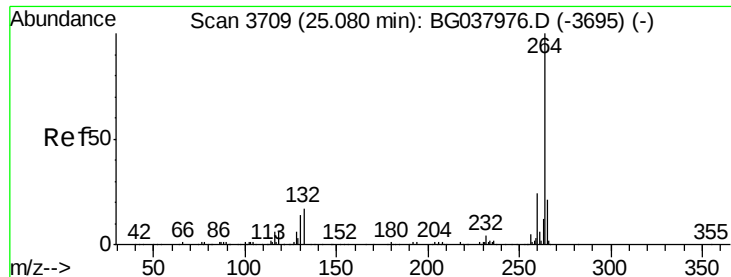


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.05 min Scan# 3704
Delta R.T. -0.03 min
Lab File: BG038297.D
Acq: 1 Dec 2018 21:25

Instrument :
BNA_G
ClientSampleId :
112718-CHDE-F-D-S

Tot Ion:264 Resp: 205711

Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.2	27.4
265	21.3	17.9	26.9

