

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122618\
 Data File : BG038831.D
 Acq On : 26 Dec 2018 15:36
 Operator : JU/SJ
 Sample : J6482-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 26 16:12:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

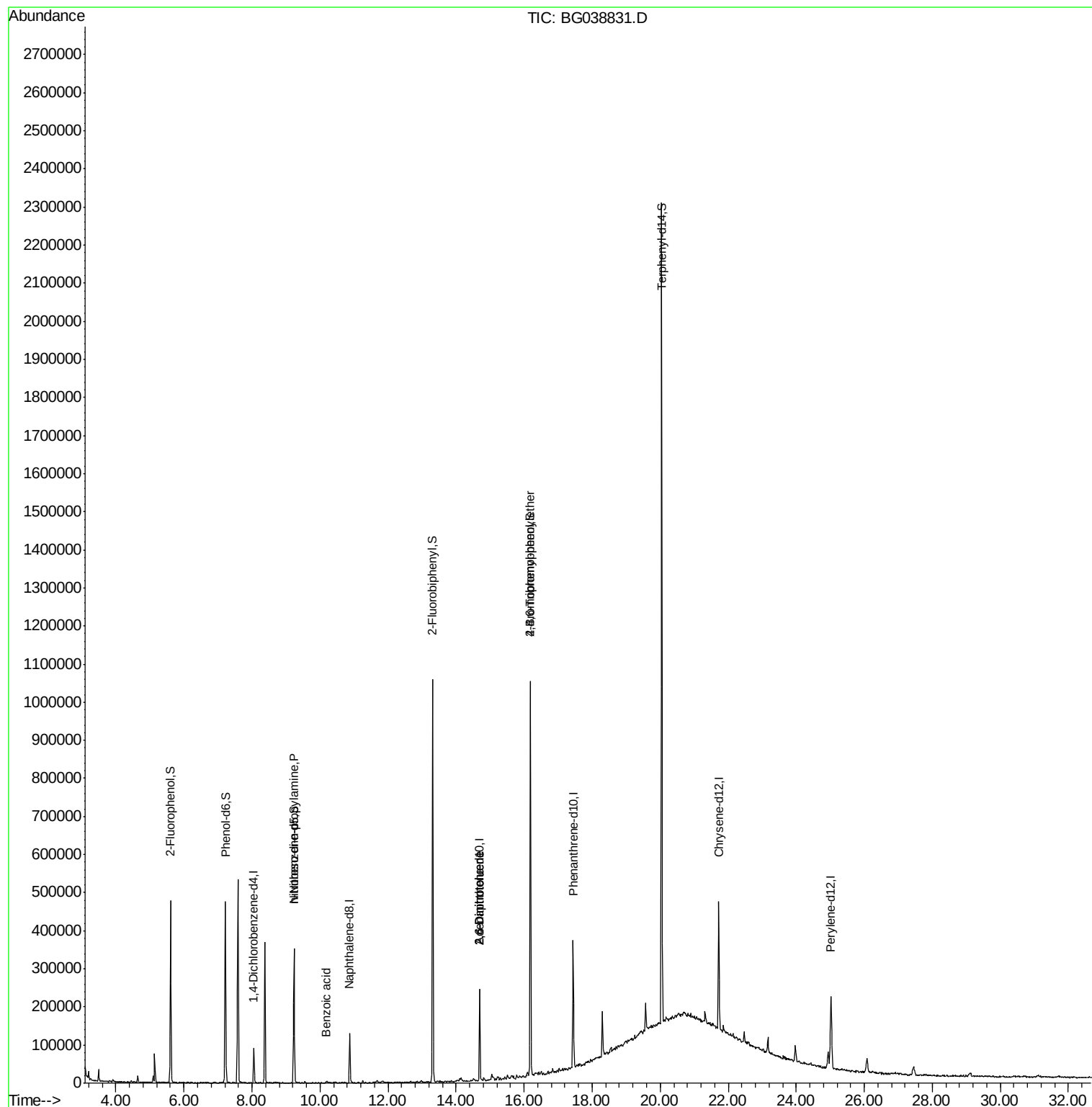
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	26221	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	114861	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	86091	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	217871	20.00	ng	0.00
76) Chrysene-d12	21.72	240	215731	20.00	ng	0.00
87) Perylene-d12	25.02	264	225433	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	205117	138.75	ng	0.00
7) Phenol-d6	7.22	99	275644	135.82	ng	0.01
23) Nitrobenzene-d5	9.23	82	206858	92.00	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	223665	188.51	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	584553	93.15	ng	0.00
79) Terphenyl-d14	20.04	244	1047297	105.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	27410	19.230	ng	# 68
32) Benzoic acid	10.17	122	125	10.257	ng	# 83
51) 2,6-Dinitrotoluene	14.69	165	11699	7.343	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	11699	5.213	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	14559	5.472	ng	# 1

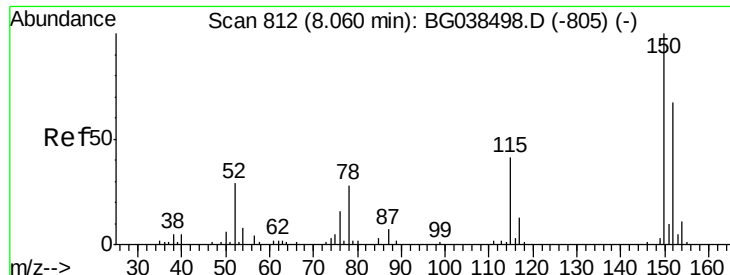
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_E
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



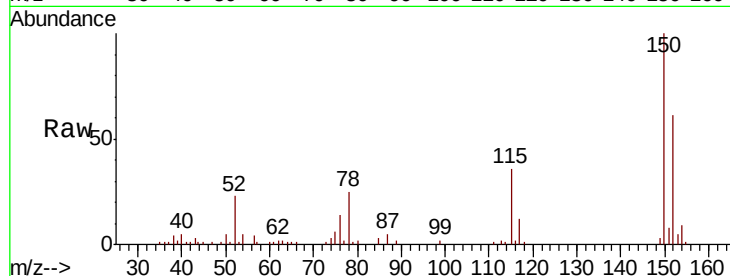


#1

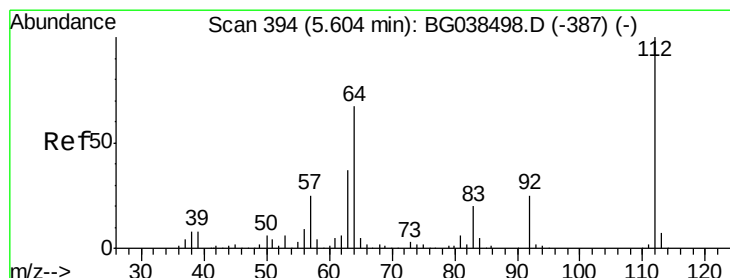
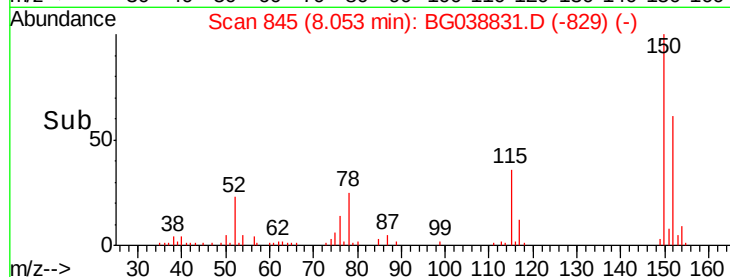
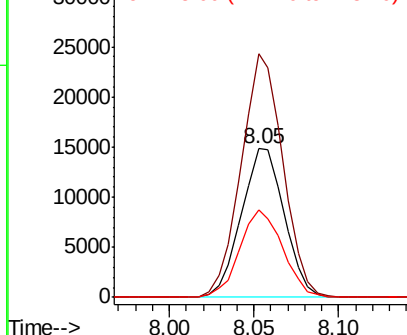
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038831.D
Acq: 26 Dec 2018 15:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 26221
Ion Ratio Lower Upper
152 100
150 163.8 119.5 179.3
115 58.6 49.6 74.4



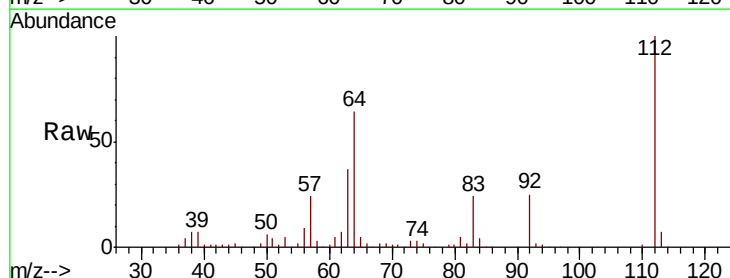
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



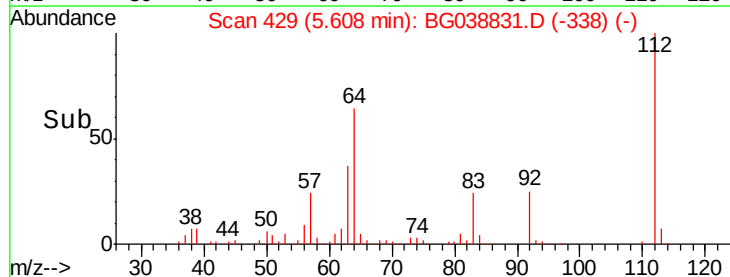
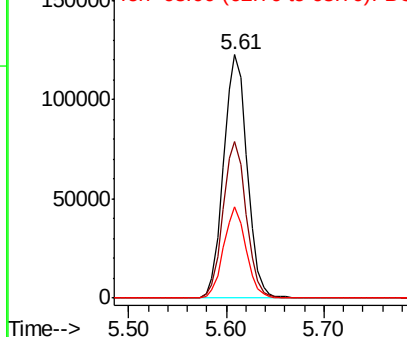
#5

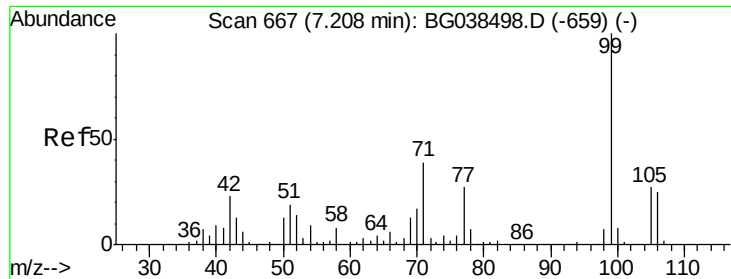
2-Fluorophenol
Concen: 138.746 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038831.D
Acq: 26 Dec 2018 15:36

Tgt Ion:112 Resp: 205117
Ion Ratio Lower Upper
112 100
64 64.1 53.4 80.2
63 37.4 29.3 43.9



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: 135.818 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038831.D

Acq: 26 Dec 2018 15:36

Instrument :

BNA_E

ClientSampleId :

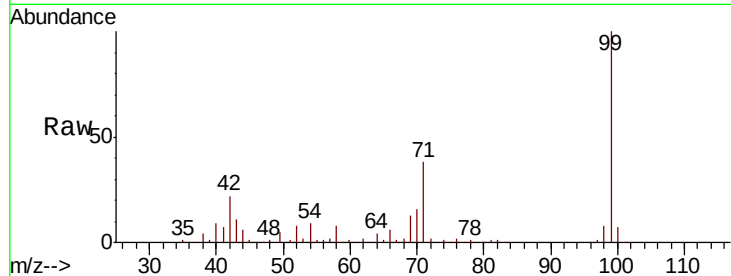
Tot Ion: 99 Resp: 275644

Ion Ratio Lower Upper

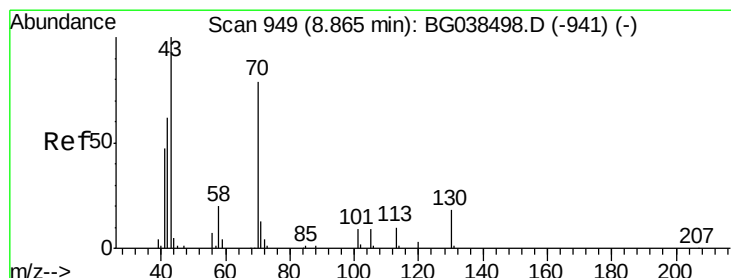
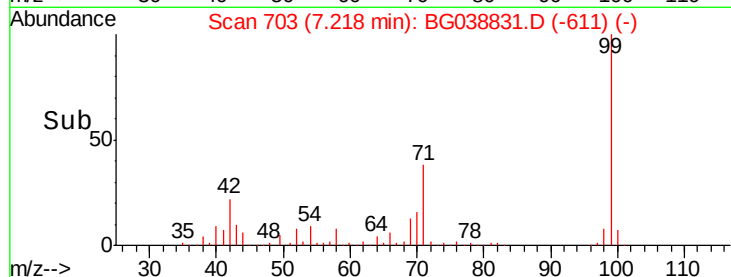
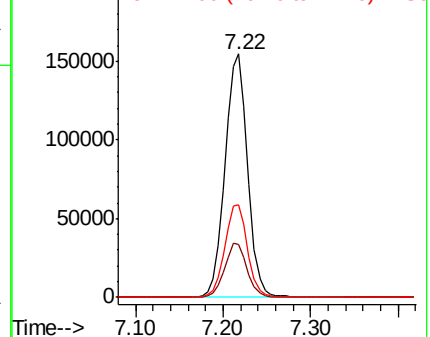
99 100

42 21.8 18.5 27.7

71 37.9 31.1 46.7



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: 19.230 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038831.D

Acq: 26 Dec 2018 15:36

Tgt Ion: 70 Resp: 27410

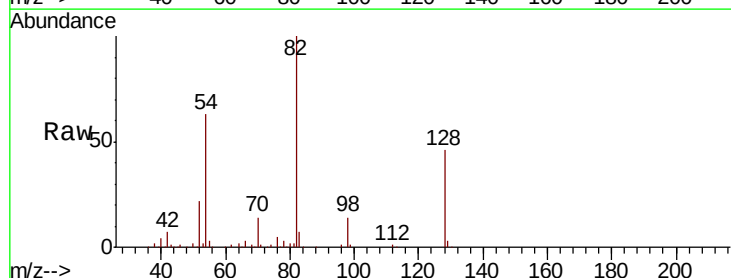
Ion Ratio Lower Upper

70 100

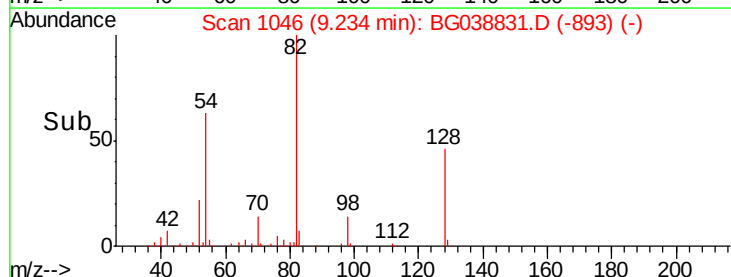
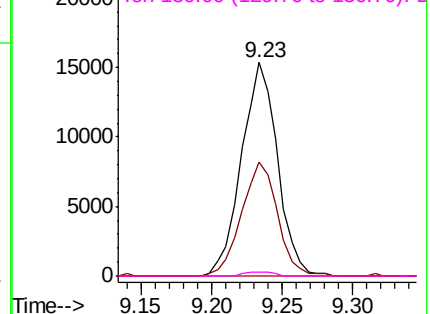
42 53.6 63.6 95.4#

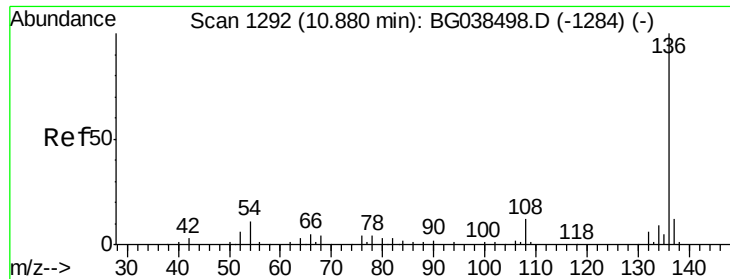
101 0.0 9.2 13.8#

130 2.0 18.5 27.7#



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

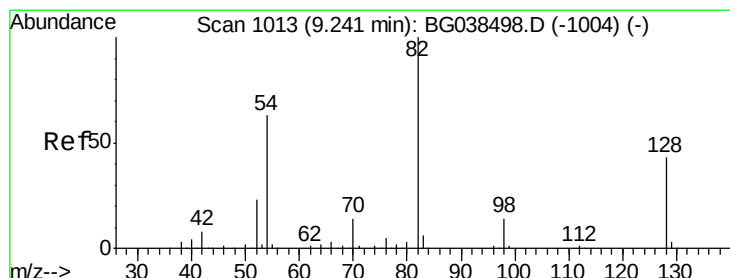
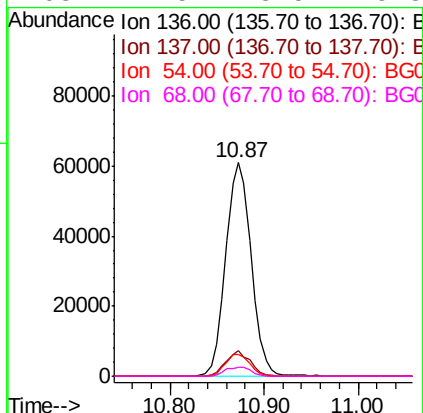
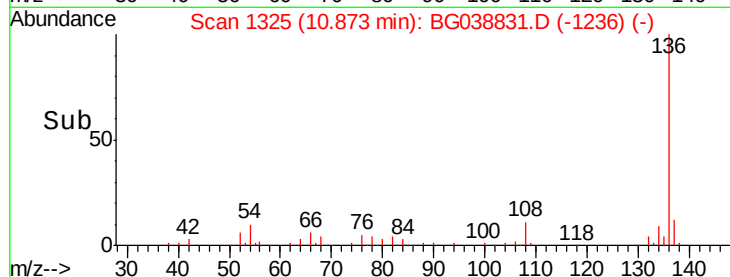
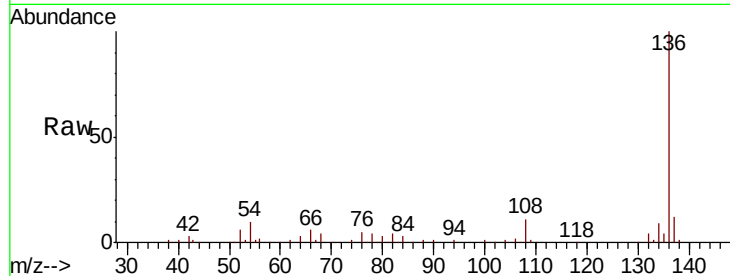




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038831.D
Acq: 26 Dec 2018 15:36

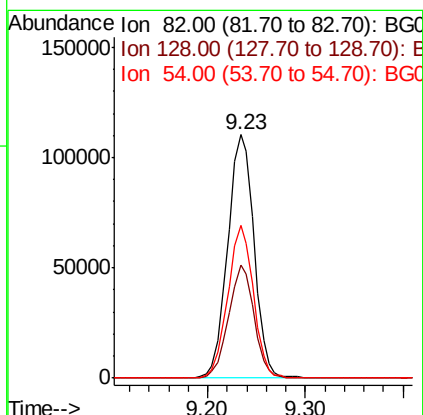
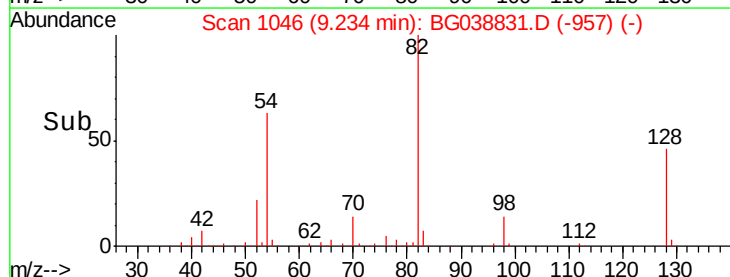
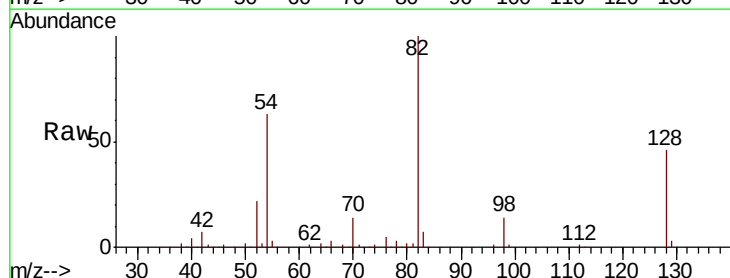
Instrument :
BNA_E
ClientSampleId :

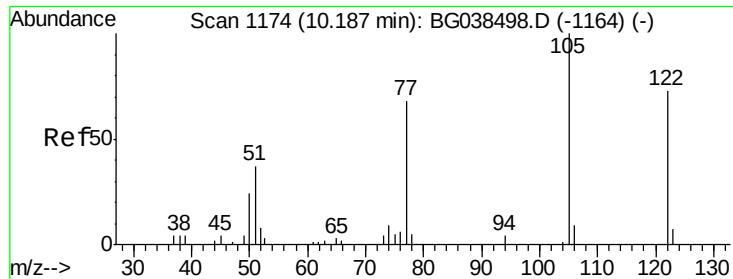
Tot Ion:136	Resp:	114861
Ion Ratio	Lower	Upper
136	100	
137	12.1	9.3 13.9
54	10.1	8.5 12.7
68	4.5	3.5 5.3



#23
Nitrobenzene-d5
Concen: 92.005 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038831.D
Acq: 26 Dec 2018 15:36

Tgt Ion: 82	Resp:	206858
Ion Ratio	Lower	Upper
82	100	
128	46.2	34.6 52.0
54	62.9	50.6 76.0





#32

Benzoic acid

Concen: 10.257 ng

RT: 10.17 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BG038831.D

Acq: 26 Dec 2018 15:36

Instrument :

BNA_E

ClientSampled :

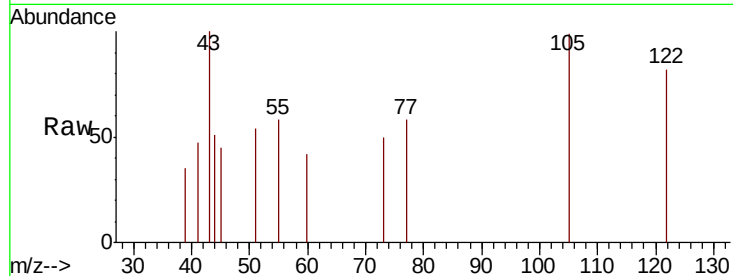
Tot Ion:122 Resp: 125

Ion Ratio Lower Upper

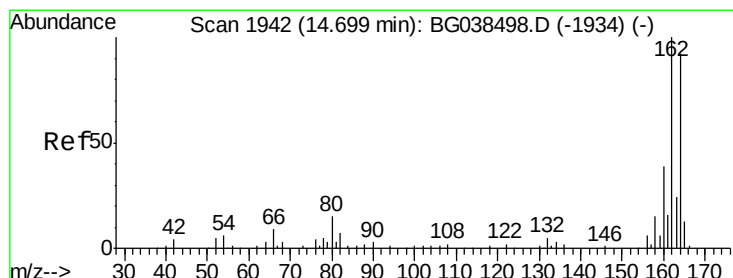
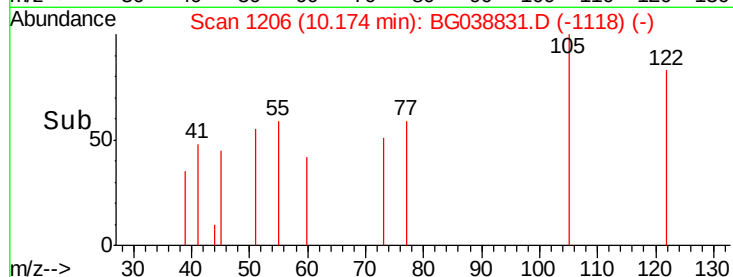
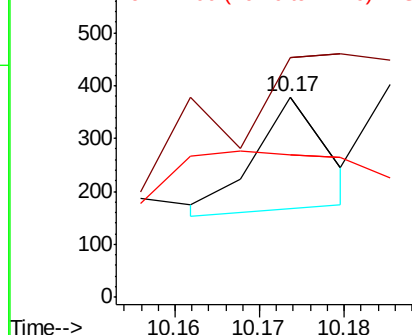
122 100

105 120.1 116.7 156.7

77 70.9 72.5 112.5#



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): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038831.D

Acq: 26 Dec 2018 15:36

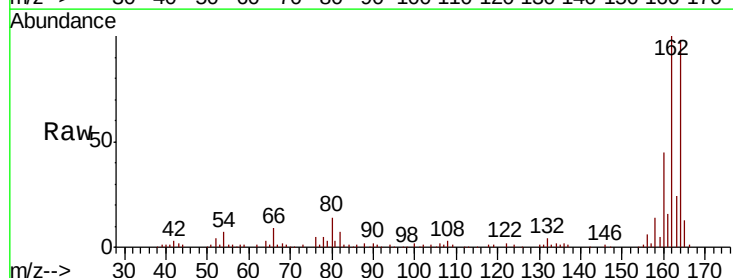
Tgt Ion:164 Resp: 86091

Ion Ratio Lower Upper

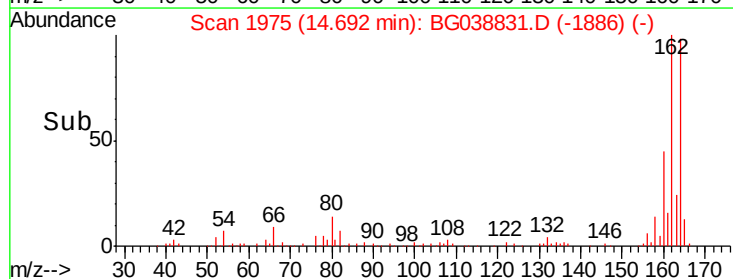
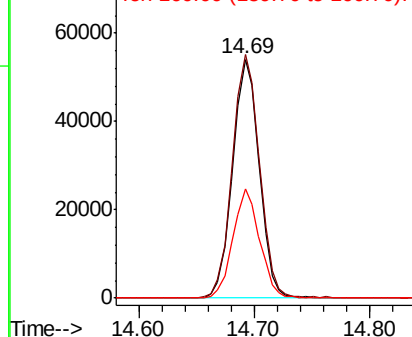
164 100

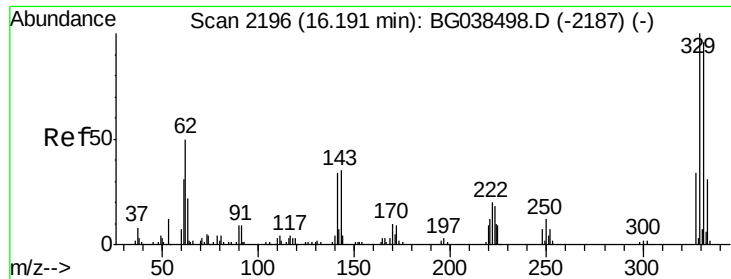
162 102.0 86.6 130.0

160 45.7 34.2 51.2



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

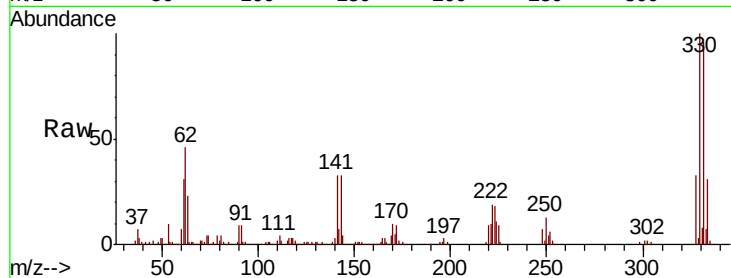




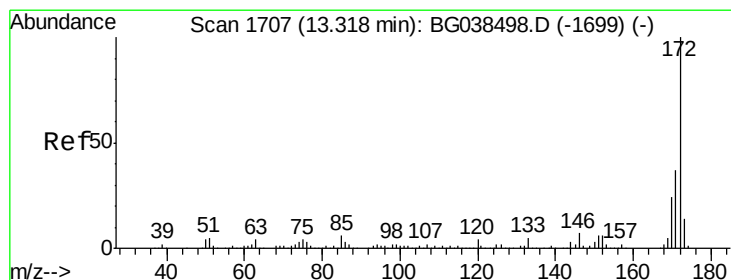
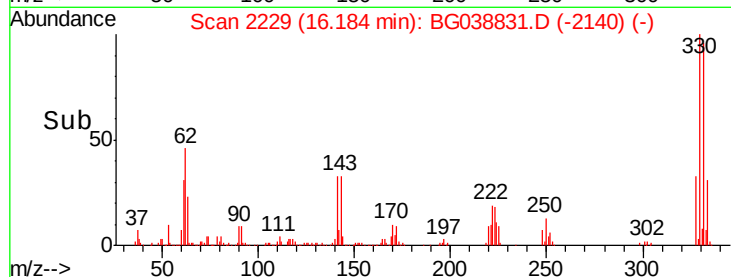
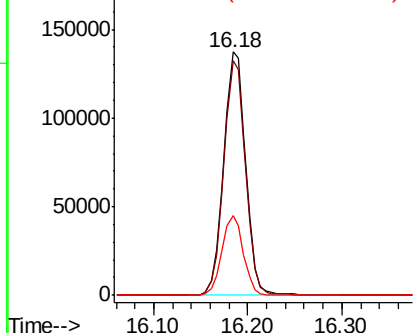
#42
 2,4,6-Tribromophenol
 Concen: 188.510 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038831.D
 Acq: 26 Dec 2018 15:36

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.9	115.3
141	32.3	28.8	43.2

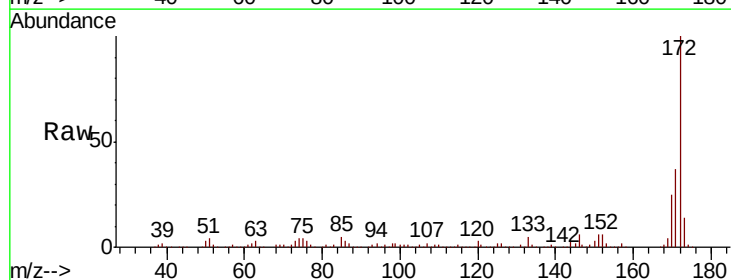


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

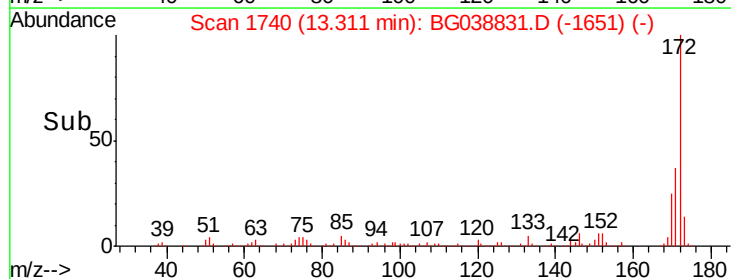
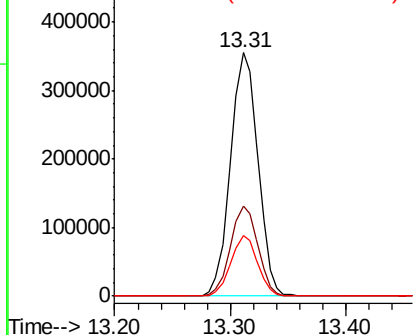


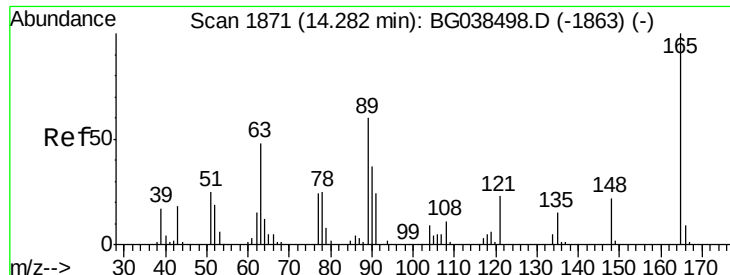
#45
 2-Fluorobiphenyl
 Concen: 93.148 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038831.D
 Acq: 26 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.8	44.6
170	24.7	19.5	29.3



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

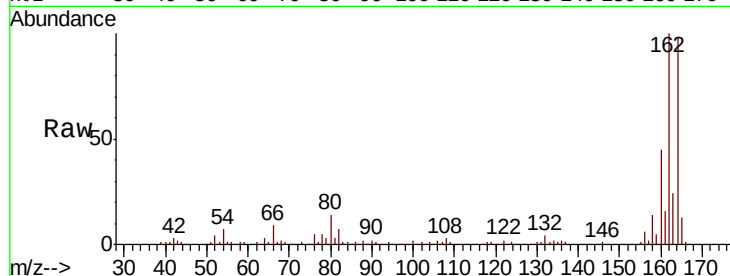




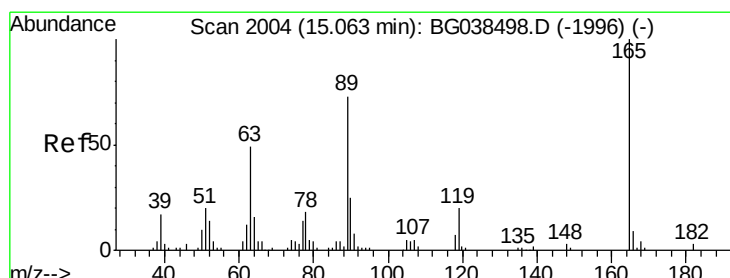
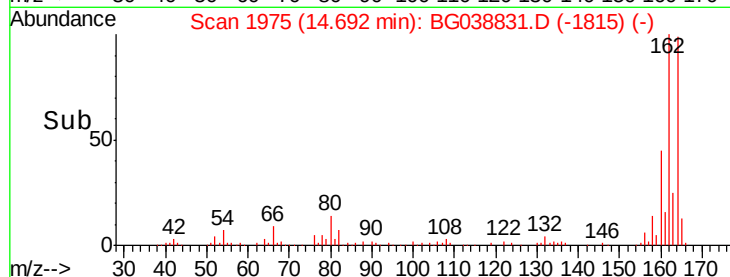
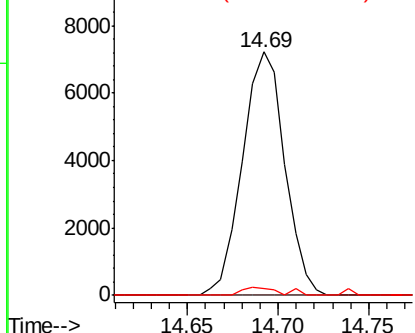
#51
 2,6-Dinitrotoluene
 Concen: 7.343 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038831.D
 Acq: 26 Dec 2018 15:36

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	2.8	47.9	71.9#



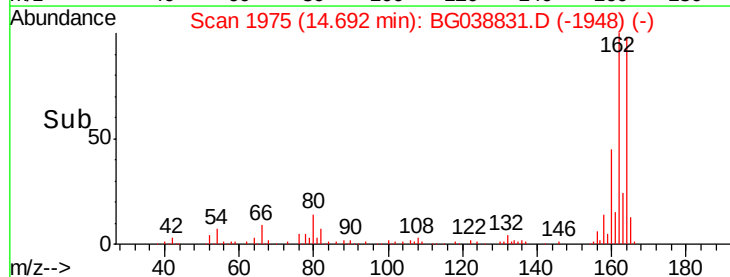
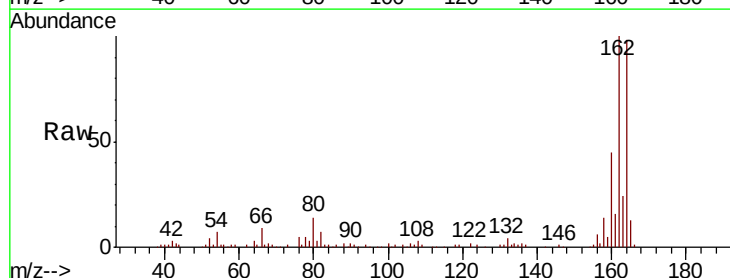
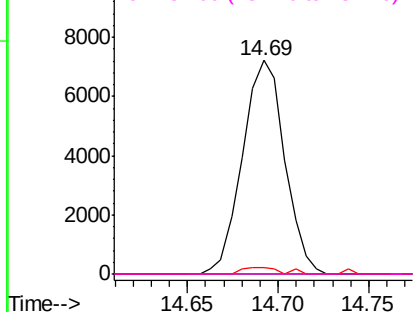
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

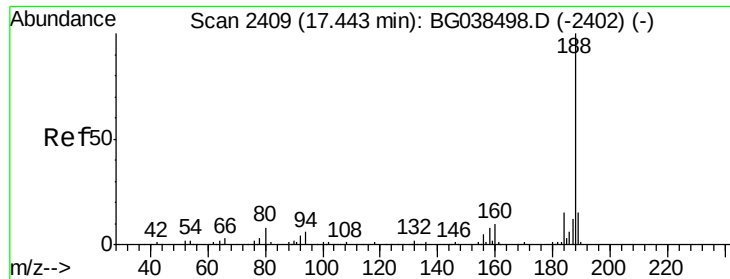


#57
 2,4-Dinitrotoluene
 Concen: 5.213 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038831.D
 Acq: 26 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	2.8	58.0	87.0#
182	0.0	2.3	3.5#

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038831.D

Acq: 26 Dec 2018 15:36

Instrument :

BNA_E

ClientSampleId :

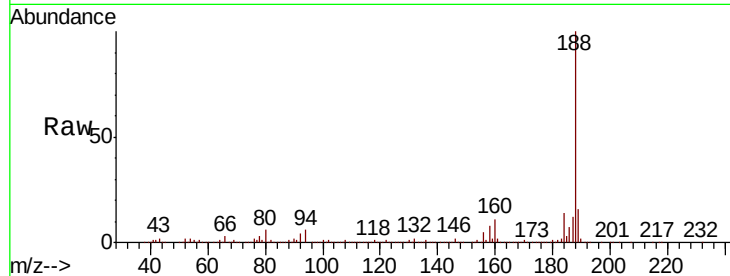
Tot Ion:188 Resp: 217871

Ion Ratio Lower Upper

188 100

94 6.0 5.1 7.7

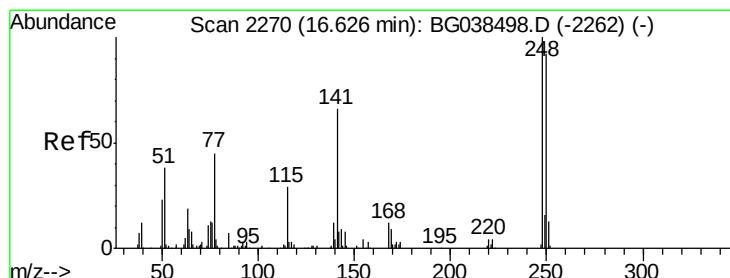
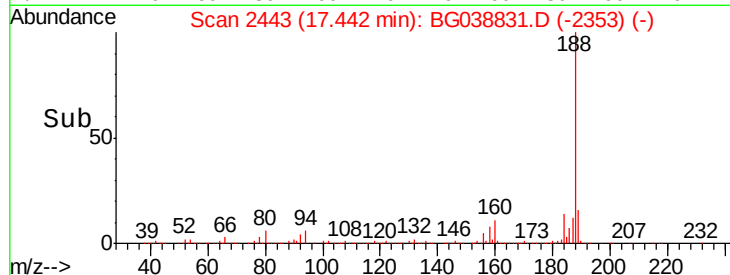
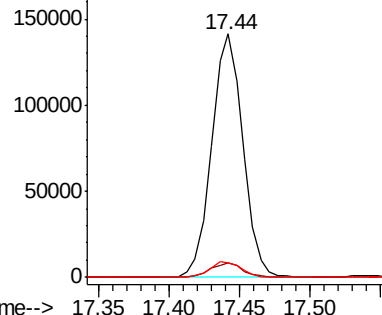
80 6.0 6.1 9.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.472 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038831.D

Acq: 26 Dec 2018 15:36

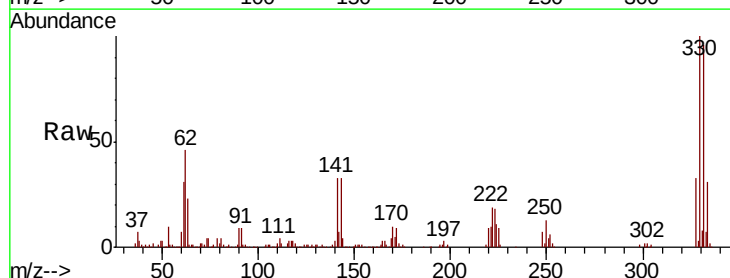
Tgt Ion:248 Resp: 14559

Ion Ratio Lower Upper

248 100

250 247.8 73.4 110.2#

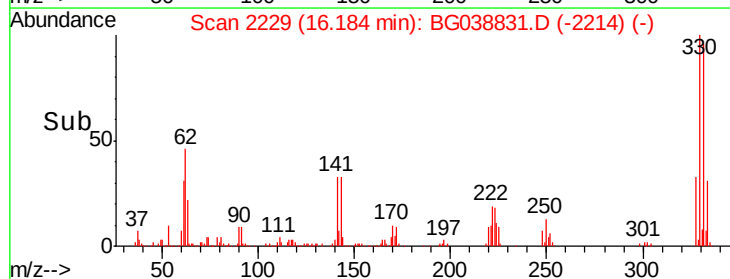
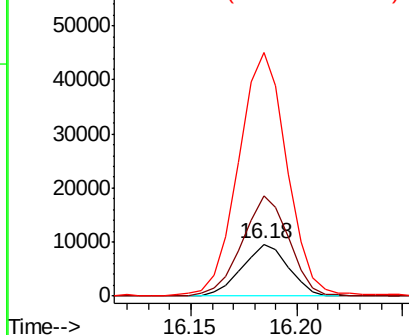
141 470.9 52.9 79.3#

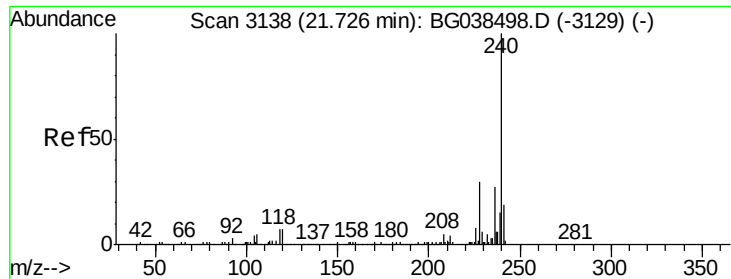


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

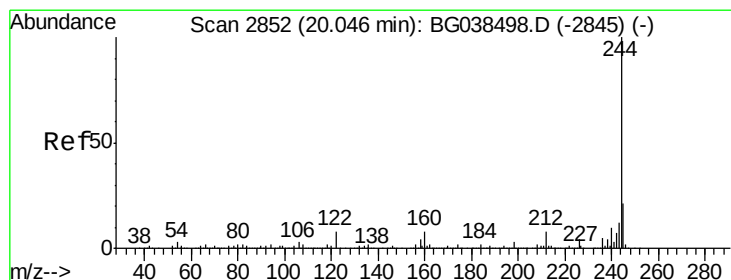
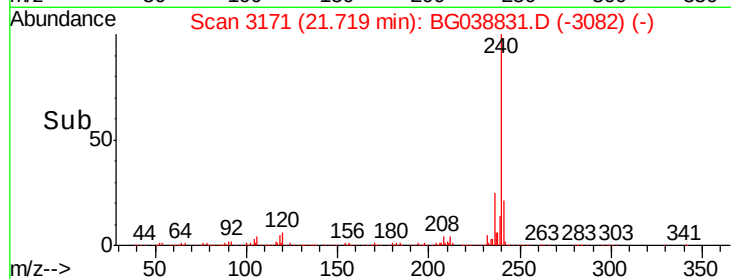
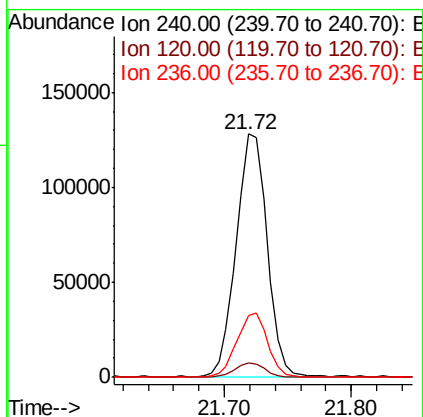
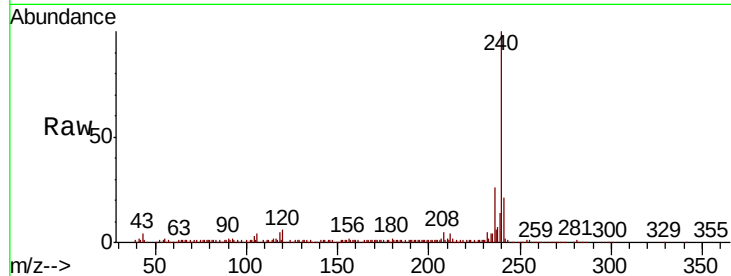




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038831.D
 Acq: 26 Dec 2018 15:36

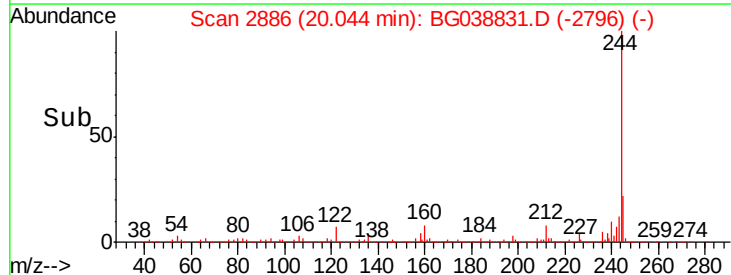
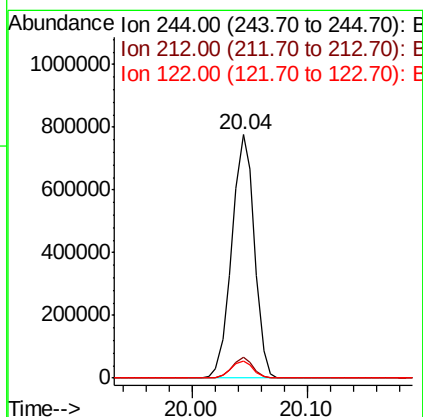
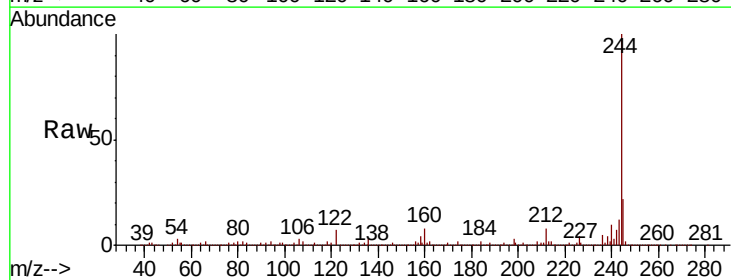
Instrument :
 BNA_E
 ClientSampleId :

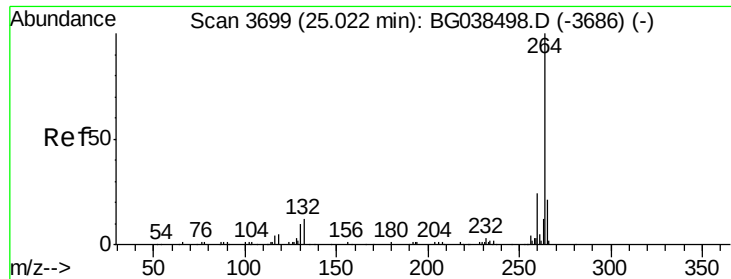
Tot Ion:240 Resp: 215731
 Ion Ratio Lower Upper
 240 100
 120 6.1 5.3 7.9
 236 25.5 21.4 32.2



#79
 Terphenyl-d14
 Concen: 105.653 ng
 RT: 20.04 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: BG038831.D
 Acq: 26 Dec 2018 15:36

Tgt Ion:244 Resp: 1047297
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.2 9.2
 122 7.1 6.3 9.5





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3733
 Delta R.T. -0.00 min
 Lab File: BG038831.D
 Acq: 26 Dec 2018 15:36

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.9	28.3
265	22.3	17.0	25.4

