

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038871.D
 Acq On : 28 Dec 2018 10:59
 Operator : JU/SJ
 Sample : J6505-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 14:19:20 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

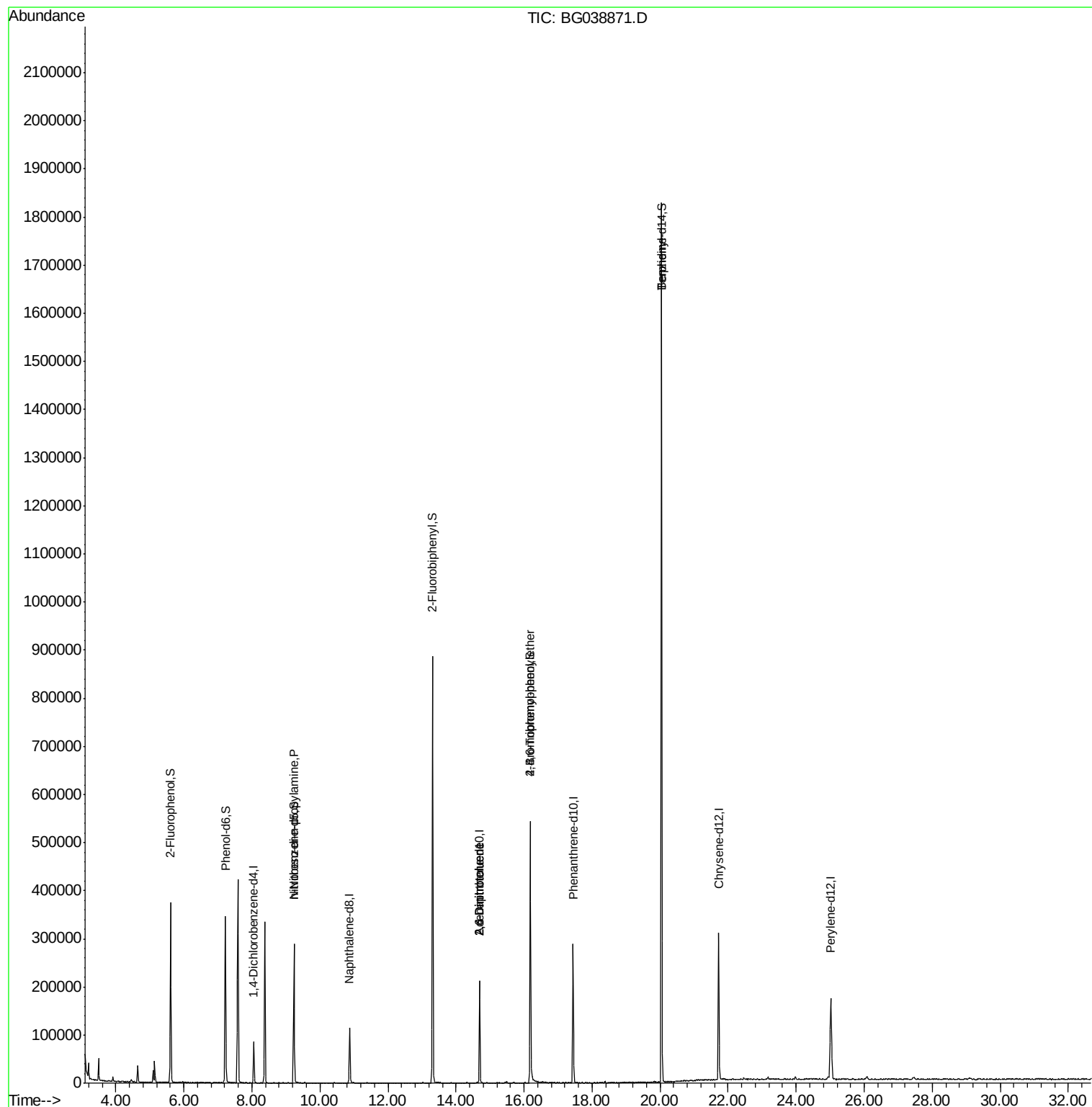
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	24270	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	103108	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	78409	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	194831	20.00	ng	0.00
76) Chrysene-d12	21.72	240	200415	20.00	ng	0.00
87) Perylene-d12	25.02	264	214821	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	160577	117.35	ng	0.00
7) Phenol-d6	7.22	99	206269	109.81	ng	0.01
23) Nitrobenzene-d5	9.24	82	171898	85.17	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	128855	119.24	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	498366	87.19	ng	0.00
79) Terphenyl-d14	20.04	244	925267	100.48	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	23592	17.881	ng	# 68
51) 2,6-Dinitrotoluene	14.69	165	10346	7.130	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10346	5.062	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	8466	3.558	ng	# 1
77) Benzidine	20.04	184	15395	2.597	ng	# 93

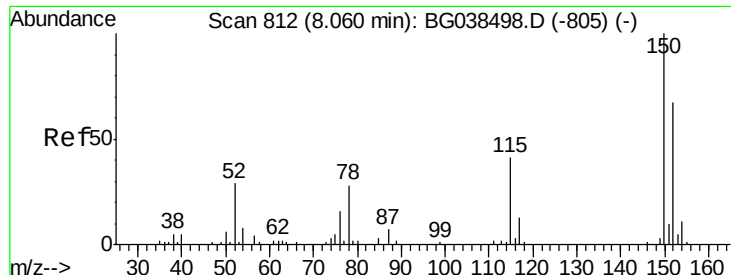
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
Data File : BG038871.D
Acq On : 28 Dec 2018 10:59
Operator : JU/SJ
Sample : J6505-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 28 14:19:20 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



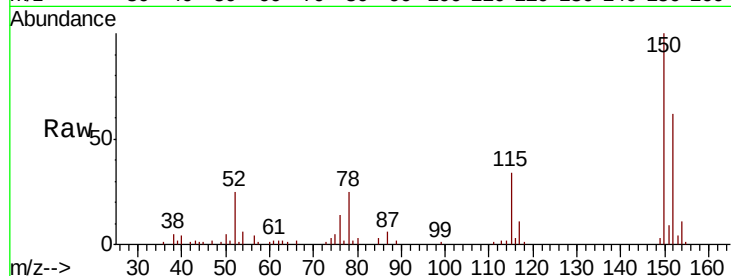


#1

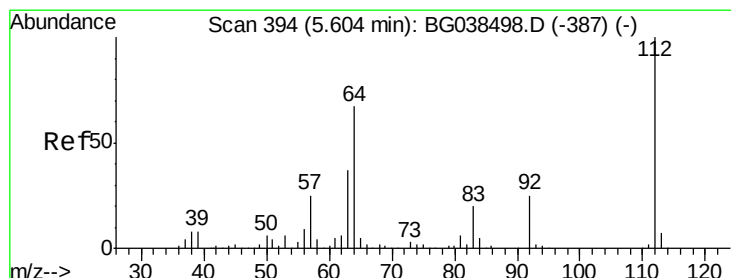
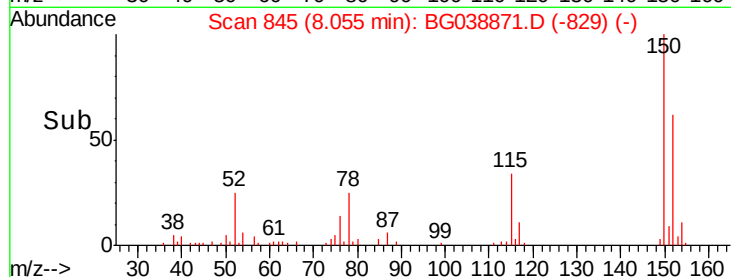
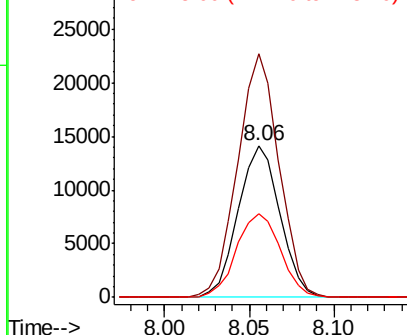
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038871.D
Acq: 28 Dec 2018 10:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 24270
Ion Ratio Lower Upper
152 100
150 160.6 119.5 179.3
115 54.7 49.6 74.4



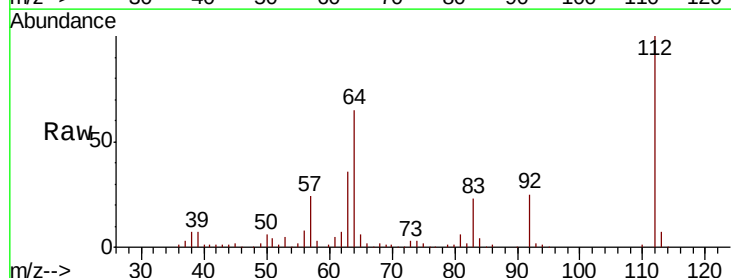
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



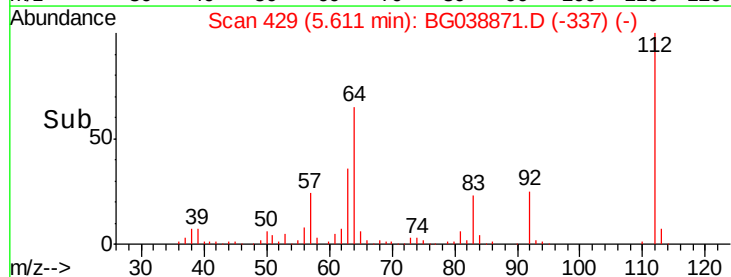
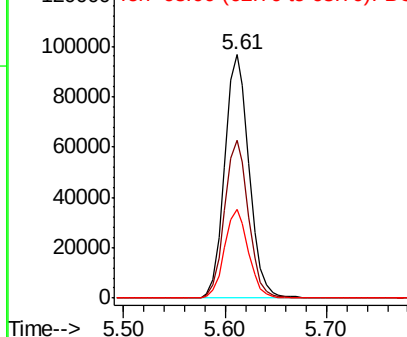
#5

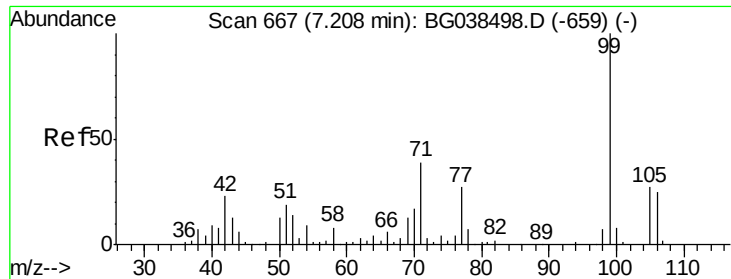
2-Fluorophenol
Concen: 117.350 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038871.D
Acq: 28 Dec 2018 10:59

Tgt Ion:112 Resp: 160577
Ion Ratio Lower Upper
112 100
64 64.7 53.4 80.2
63 36.5 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: 109.805 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038871.D

Acq: 28 Dec 2018 10:59

Instrument :

BNA_F

ClientSampled :

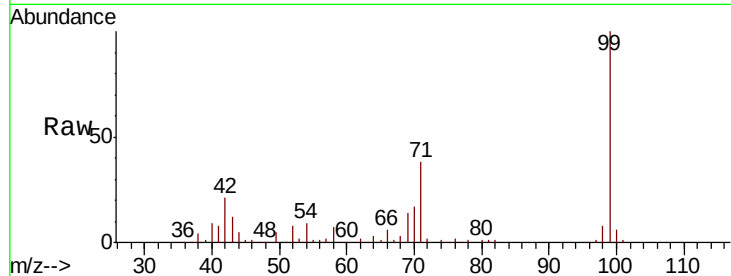
Tot Ion: 99 Resp: 206269

Ion Ratio Lower Upper

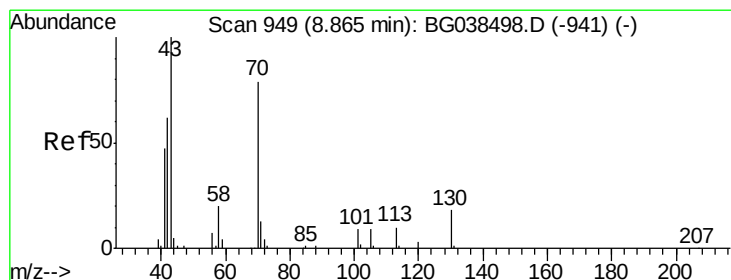
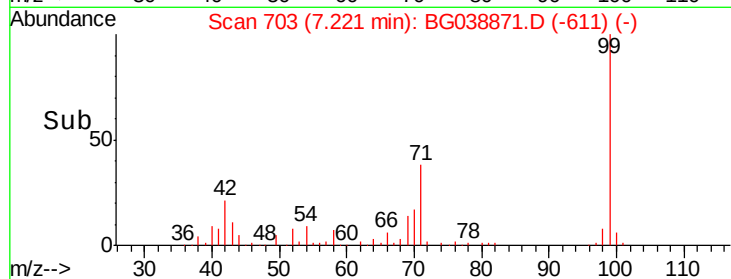
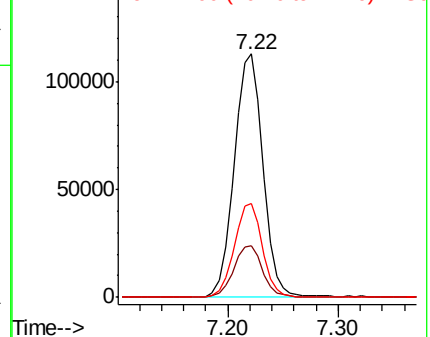
99 100

42 21.2 18.5 27.7

71 38.3 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: 17.881 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038871.D

Acq: 28 Dec 2018 10:59

Tgt Ion: 70 Resp: 23592

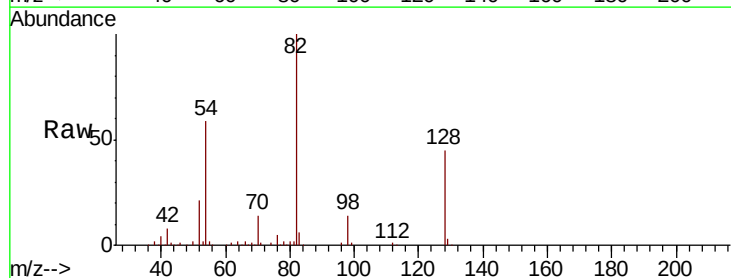
Ion Ratio Lower Upper

70 100

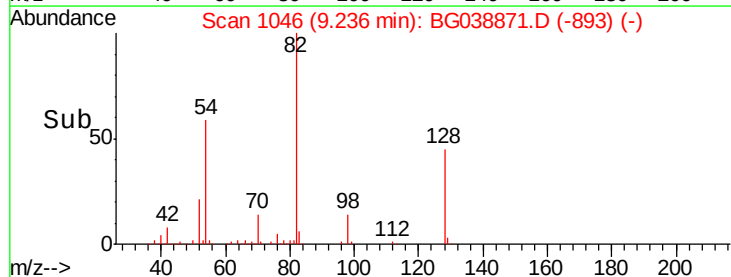
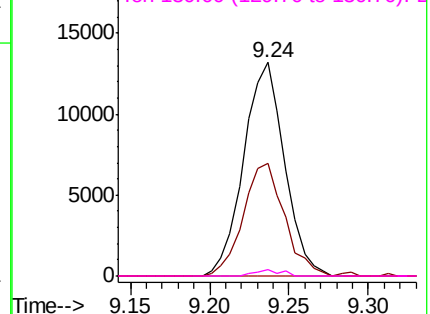
42 53.0 63.6 95.4#

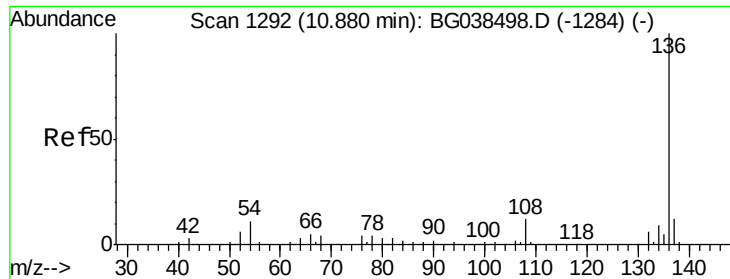
101 0.0 9.2 13.8#

130 2.9 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

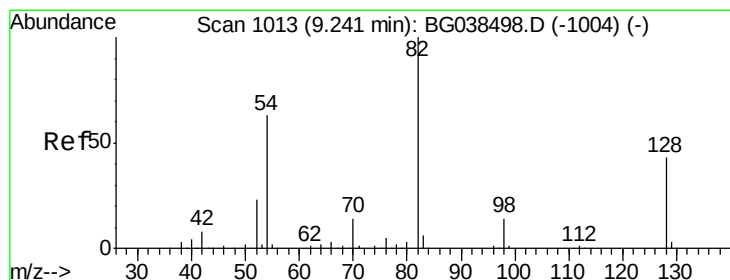
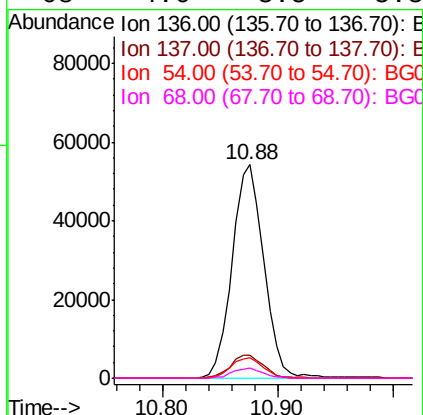
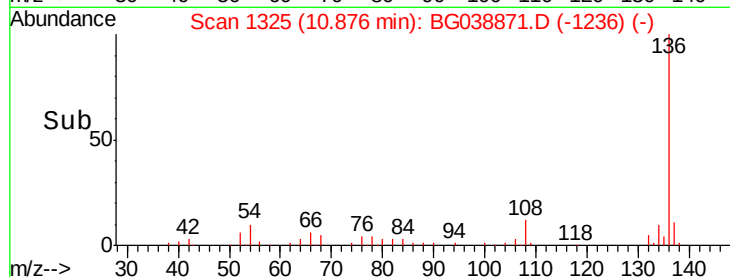
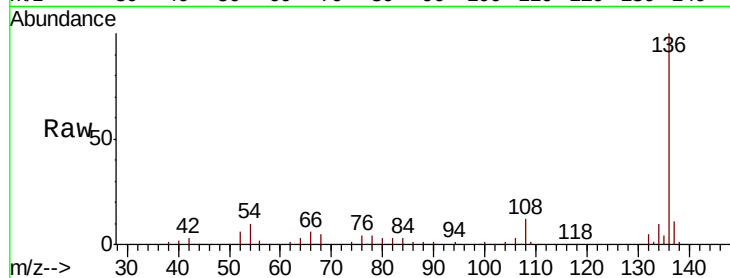




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038871.D
Acq: 28 Dec 2018 10:59

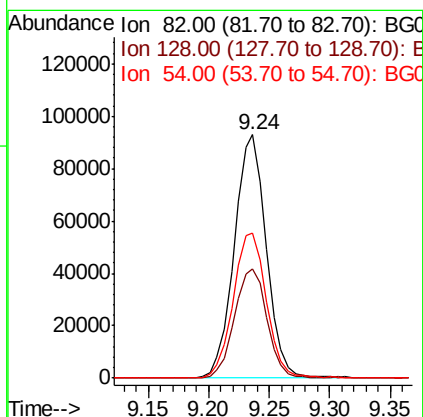
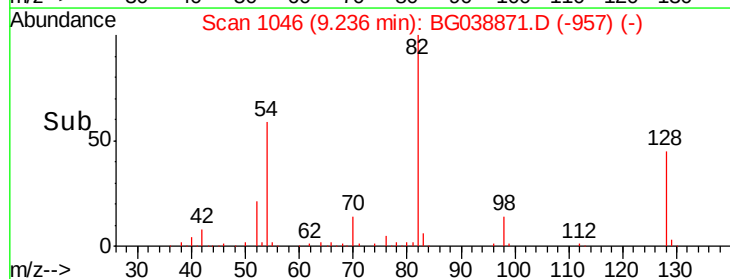
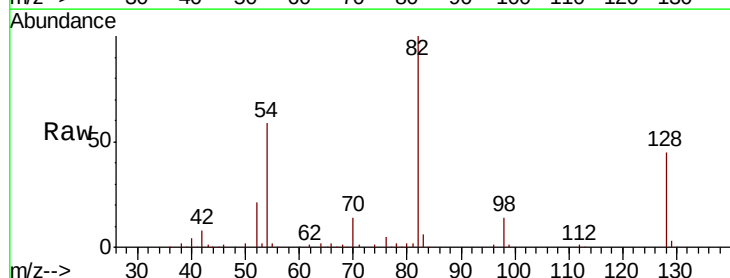
Instrument :
BNA_F
ClientSampleId :

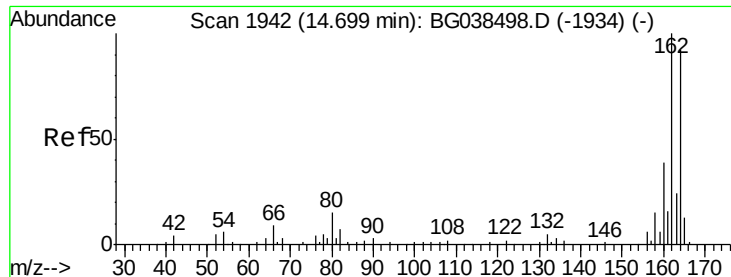
Tot Ion:136	Resp:	103108
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.3 13.9
54	9.9	8.5 12.7
68	4.6	3.5 5.3



#23
Nitrobenzene-d5
Concen: 85.171 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038871.D
Acq: 28 Dec 2018 10:59

Tgt Ion: 82	Resp:	171898
Ion	Ratio	Lower Upper
82	100	
128	44.8	34.6 52.0
54	59.5	50.6 76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038871.D

Acq: 28 Dec 2018 10:59

Instrument :

BNA_F

ClientSampleId :

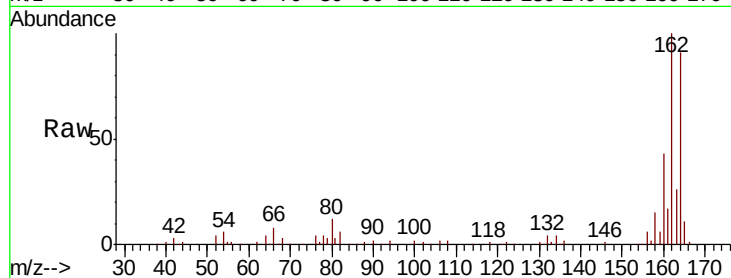
Tot Ion:164 Resp: 78409

Ion Ratio Lower Upper

164 100

162 109.5 86.6 130.0

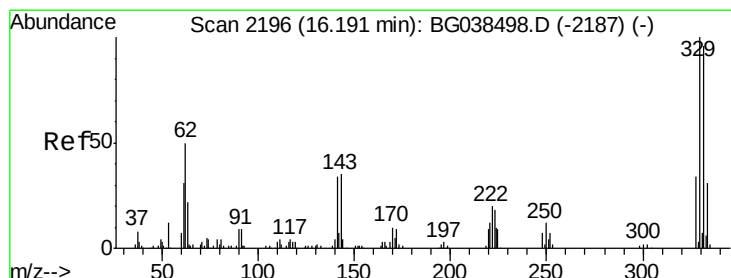
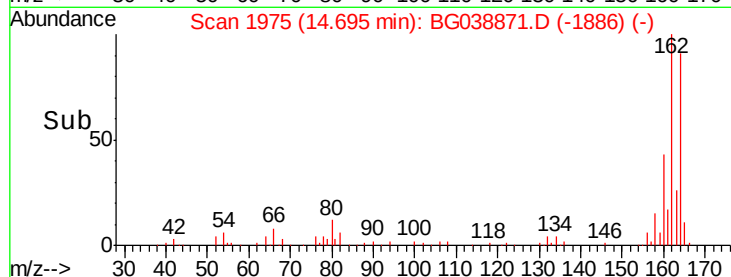
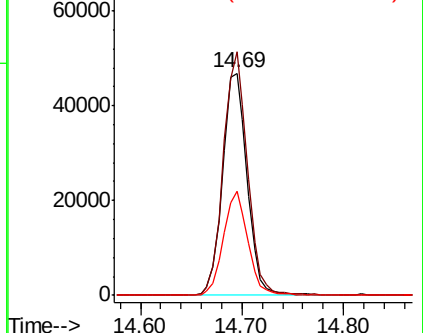
160 46.7 34.2 51.2



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: 119.242 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038871.D

Acq: 28 Dec 2018 10:59

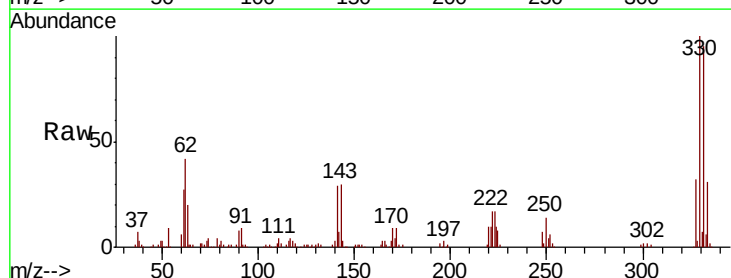
Tgt Ion:330 Resp: 128855

Ion Ratio Lower Upper

330 100

332 94.8 76.9 115.3

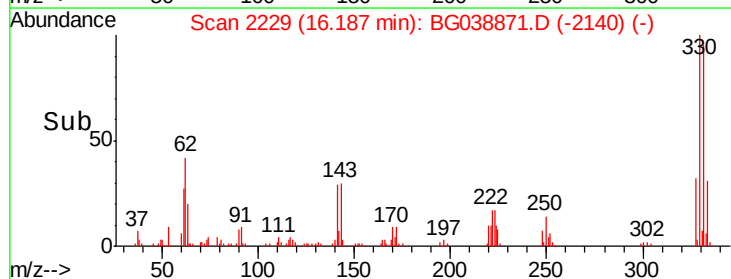
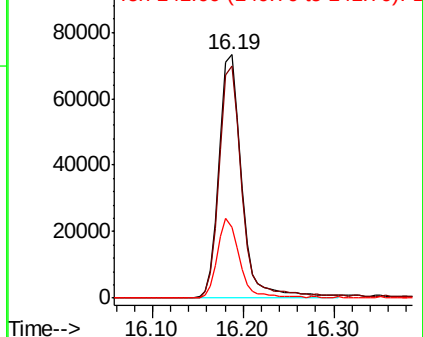
141 32.2 28.8 43.2

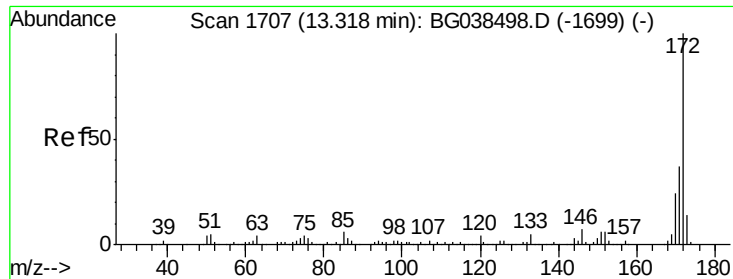


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

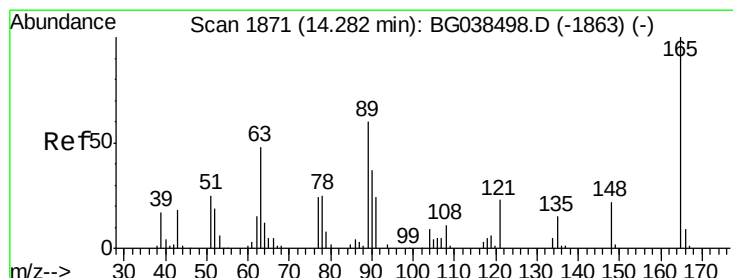
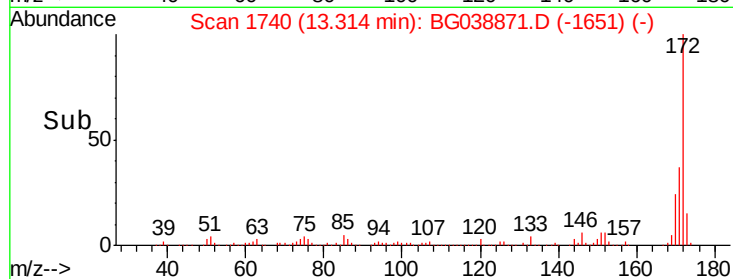
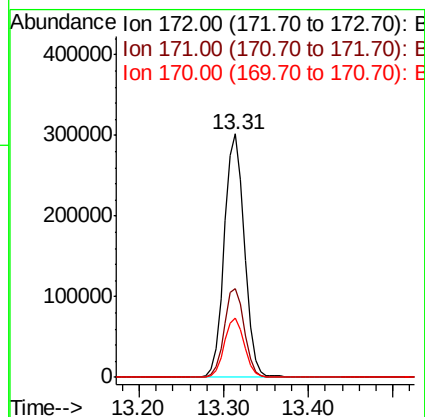
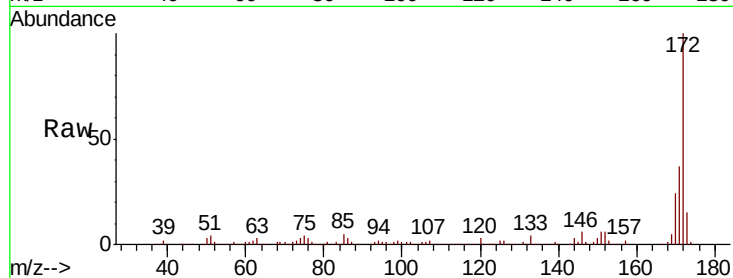




#45
 2-Fluorobiphenyl
 Concen: 87.194 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038871.D
 Acq: 28 Dec 2018 10:59

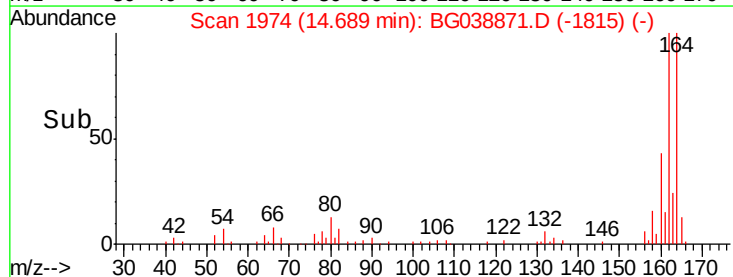
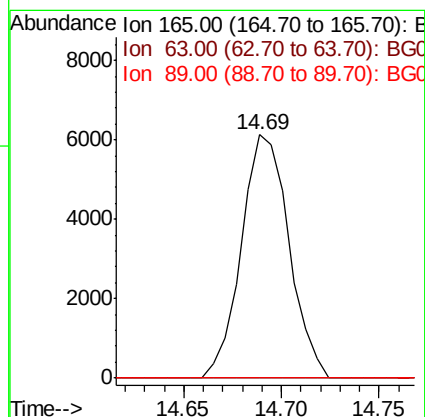
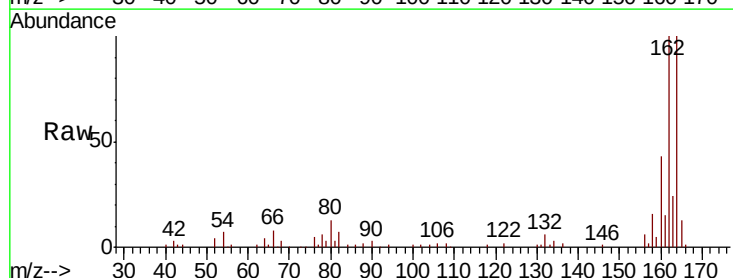
Instrument :
 BNA_F
 ClientSampleId :

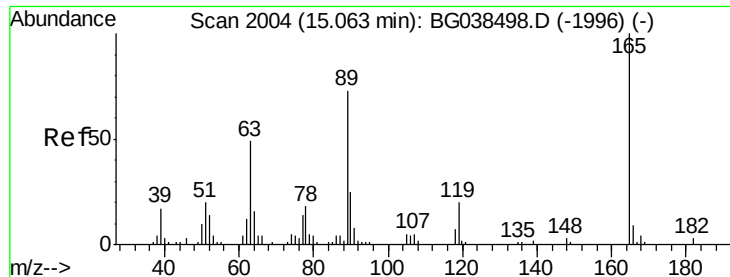
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.8	44.6
170	24.5	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.130 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.41 min
 Lab File: BG038871.D
 Acq: 28 Dec 2018 10:59

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

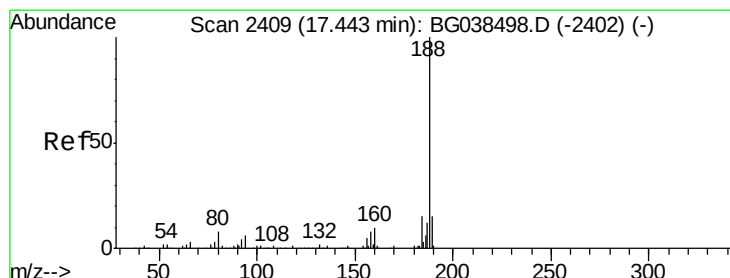
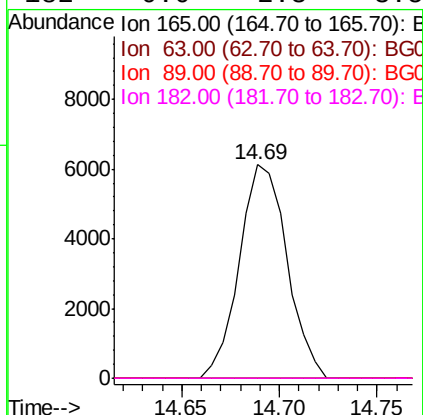
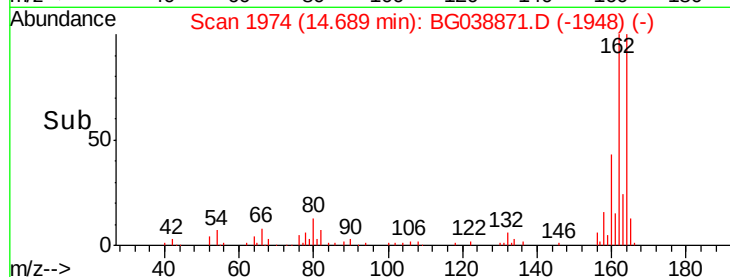
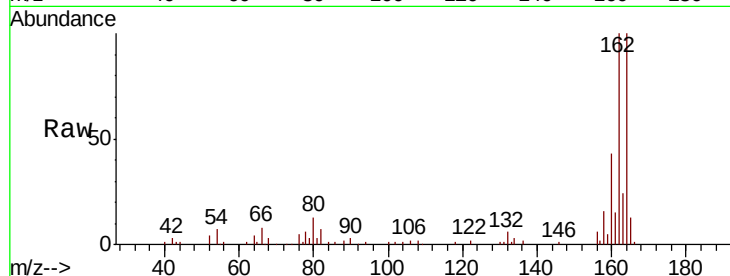




#57
 2,4-Dinitrotoluene
 Concen: 5.062 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.37 min
 Lab File: BG038871.D
 Acq: 28 Dec 2018 10:59

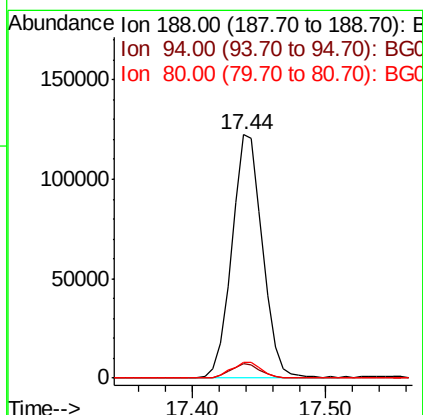
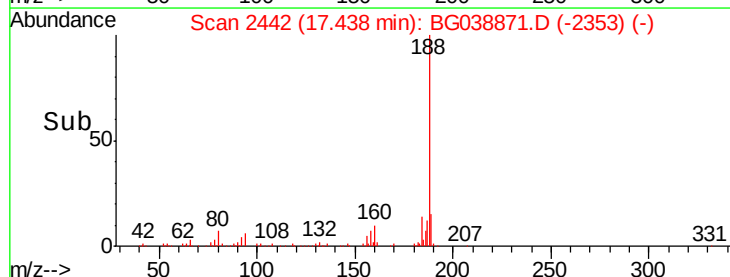
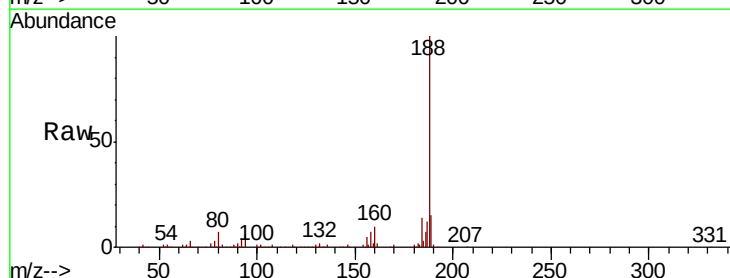
Instrument :
 BNA_F
 ClientSampleId :

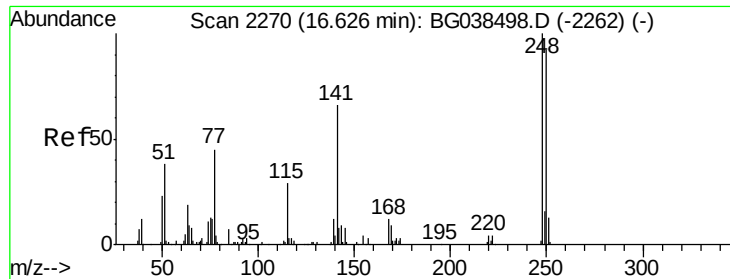
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BG038871.D
 Acq: 28 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	5.1	7.7
80	6.7	6.1	9.1





#67

4-Bromophenyl-phenylether

Concen: 3.558 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038871.D

Acq: 28 Dec 2018 10:59

Instrument :

BNA_F

ClientSampleId :

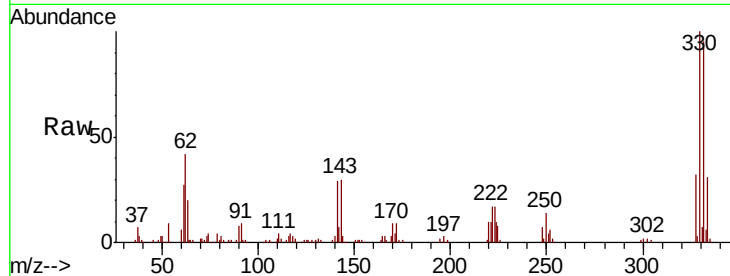
Tot Ion:248 Resp: 8466

Ion Ratio Lower Upper

248 100

250 191.2 73.4 110.2#

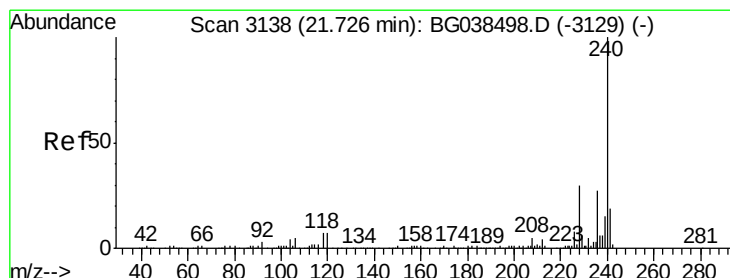
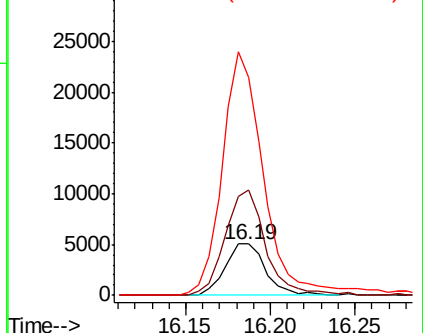
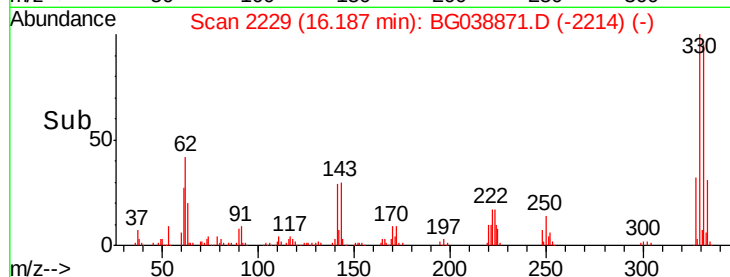
141 312.3 52.9 79.3#



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

Chrysene-d12

Concen: 20.000 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.00 min

Lab File: BG038871.D

Acq: 28 Dec 2018 10:59

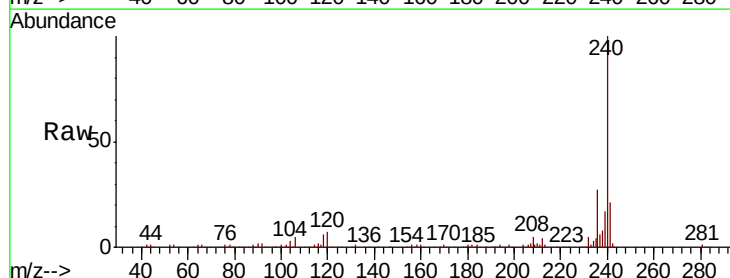
Tgt Ion:240 Resp: 200415

Ion Ratio Lower Upper

240 100

120 6.8 5.3 7.9

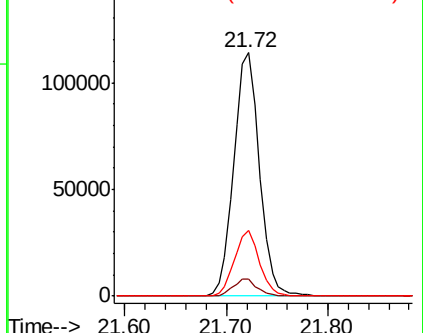
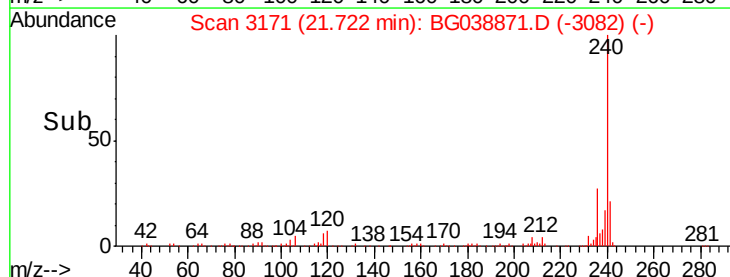
236 26.8 21.4 32.2

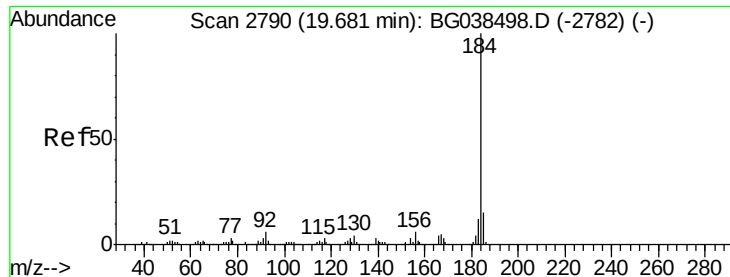


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.597 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038871.D

Acq: 28 Dec 2018 10:59

Instrument :

BNA_F

ClientSampleId :

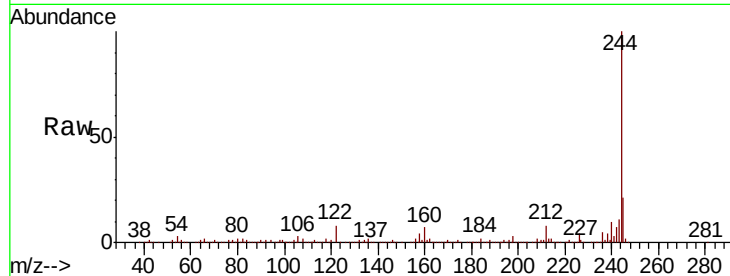
Tot Ion:184 Resp: 15395

Ion Ratio Lower Upper

184 100

185 17.5 12.2 18.2

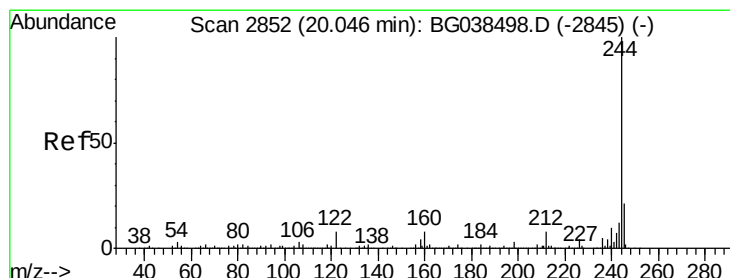
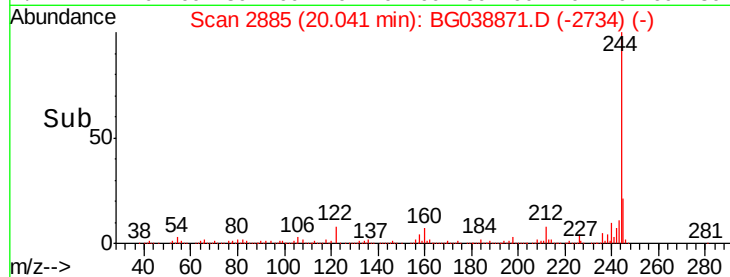
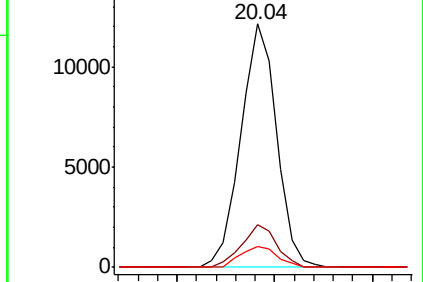
183 8.6 9.6 14.4#



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: 100.476 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038871.D

Acq: 28 Dec 2018 10:59

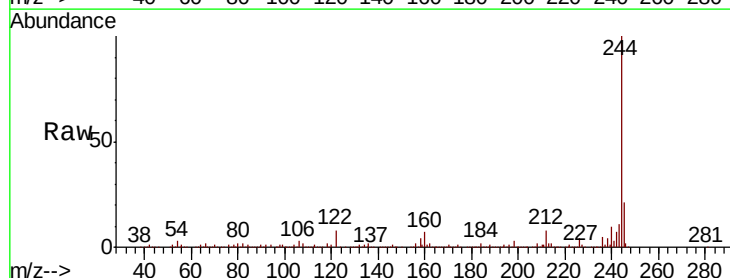
Tgt Ion:244 Resp: 925267

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

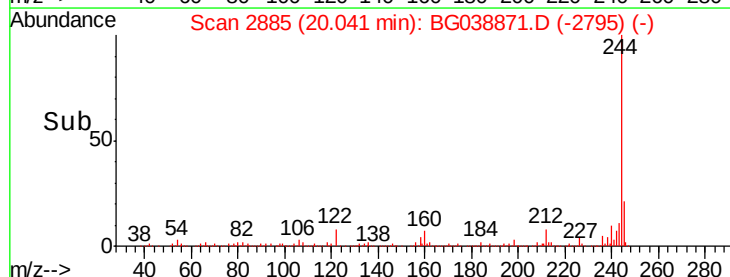
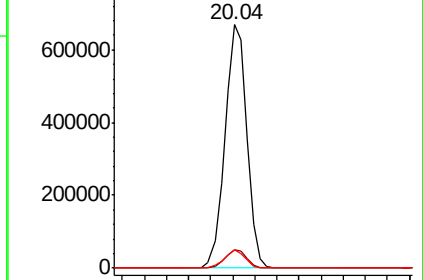
122 7.6 6.3 9.5

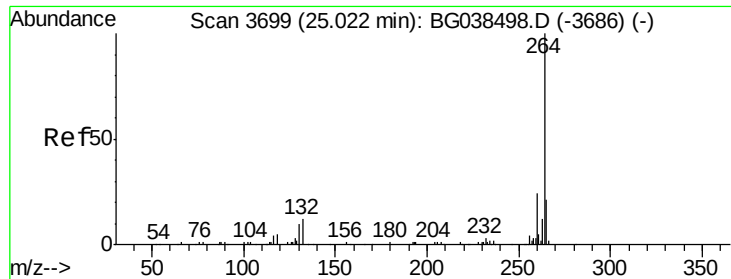


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.02 min Scan# 3732
 Delta R.T. -0.00 min
 Lab File: BG038871.D
 Acq: 28 Dec 2018 10:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.3	18.9	28.3
265	20.5	17.0	25.4

