

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112718\
 Data File : BG038194.D
 Acq On : 28 Nov 2018 10:05
 Operator : JU/SJ
 Sample : J6070-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 11:12:24 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

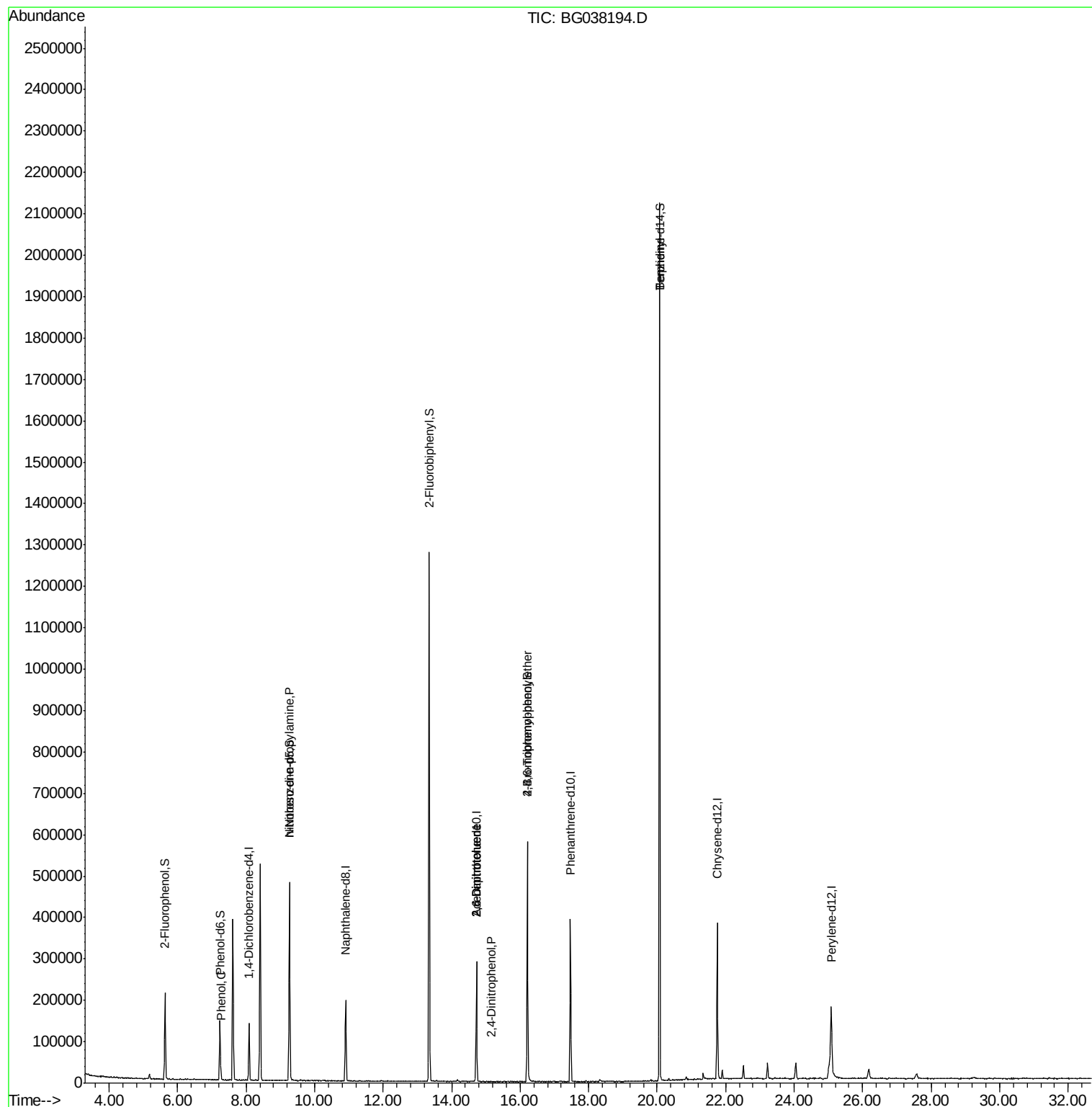
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	37997	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	172254	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	107547	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	243501	20.00	ng	0.00
76) Chrysene-d12	21.75	240	232844	20.00	ng	0.00
87) Perylene-d12	25.08	264	222341	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	96329	43.77	ng	0.00
7) Phenol-d6	7.23	99	88540	28.18	ng	0.00
23) Nitrobenzene-d5	9.27	82	300489	93.38	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	109246	89.07	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	681206	92.28	ng	0.00
79) Terphenyl-d14	20.07	244	1018979	102.97	ng	0.00
Target Compounds						
10) Phenol	7.26	94	10975	3.298	ng	98
19) n-Nitroso-di-n-propylamine	9.27	70	40112	17.647	ng	# 74
51) 2,6-Dinitrotoluene	14.72	165	14042	7.277	ng	# 26
54) 2,4-Dinitrophenol	15.15	184	55	9.331	ng	# 26
57) 2,4-Dinitrotoluene	14.72	165	14042	5.348	ng	# 25
67) 4-Bromophenyl-phenylether	16.21	248	7680	2.874	ng	# 1
77) Benzidine	20.07	184	17814	2.180	ng	# 96

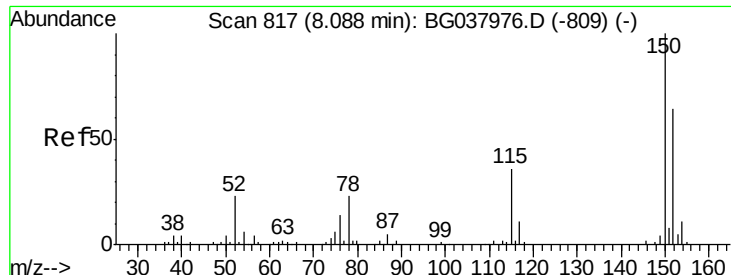
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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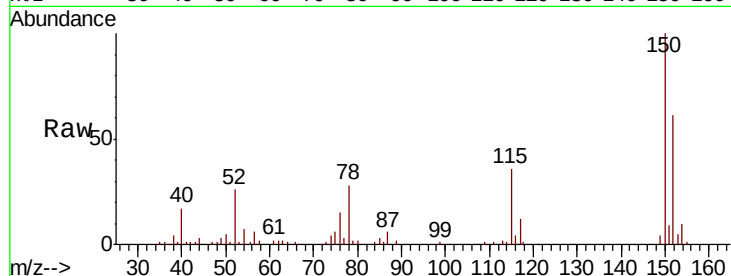


#1

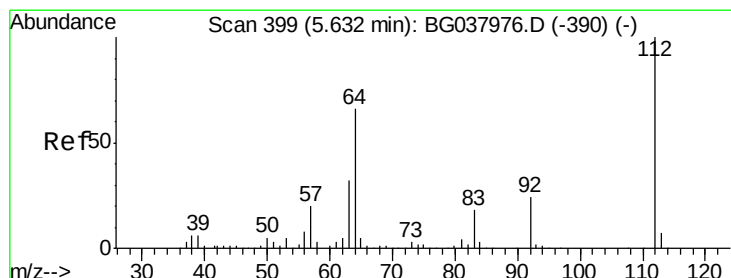
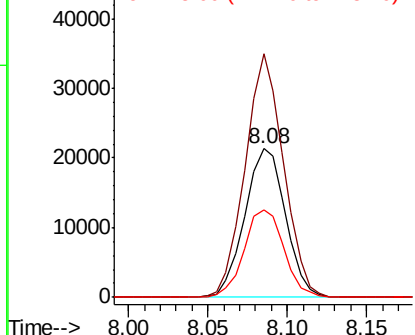
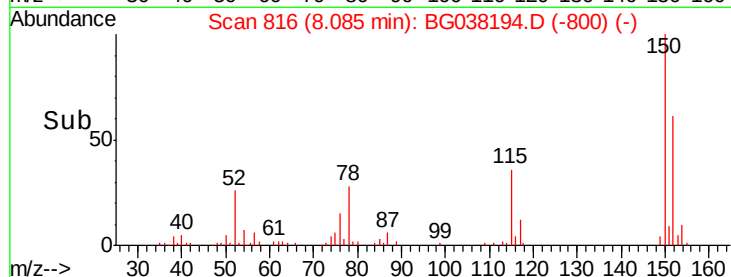
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG038194.D
Acq: 28 Nov 2018 10:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 37997
Ion Ratio Lower Upper
152 100
150 163.8 126.0 189.0
115 58.7 45.5 68.3



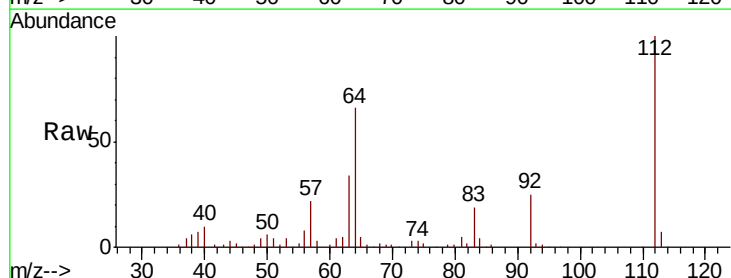
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



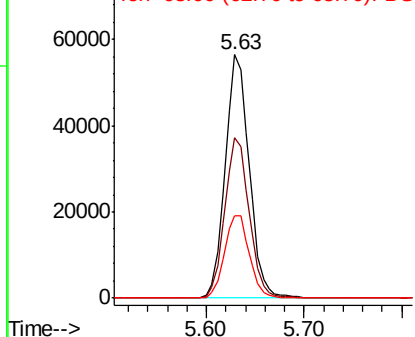
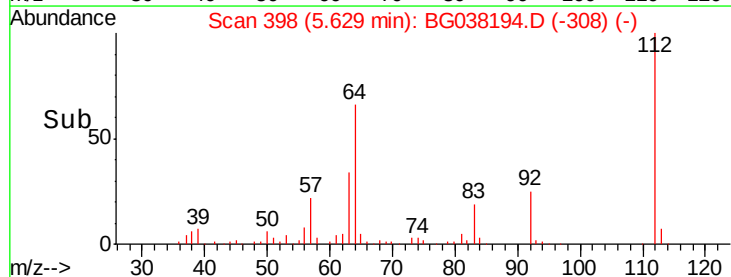
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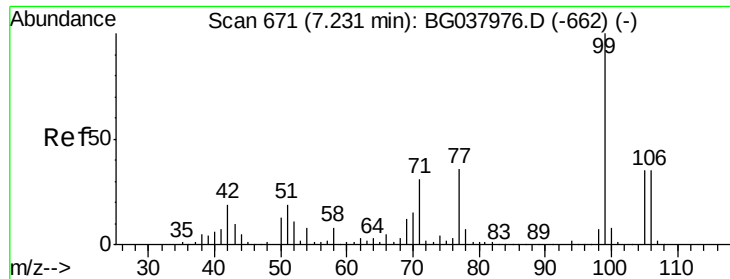
2-Fluorophenol
Concen: 43.771 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038194.D
Acq: 28 Nov 2018 10:05

Tgt Ion:112 Resp: 96329
Ion Ratio Lower Upper
112 100
64 66.0 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: 28.185 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038194.D

Acq: 28 Nov 2018 10:05

Instrument :

BNA_G

ClientSampleId :

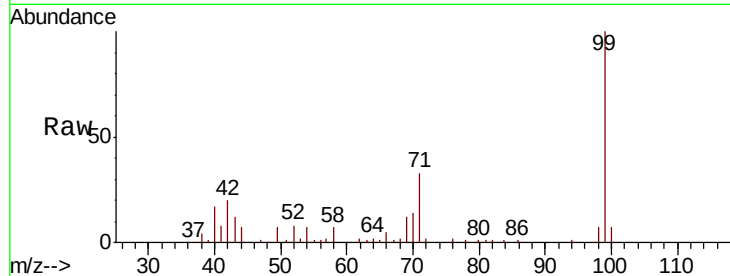
Tot Ion: 99 Resp: 88540

Ion Ratio Lower Upper

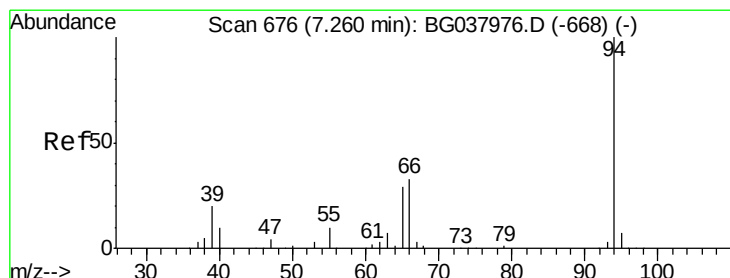
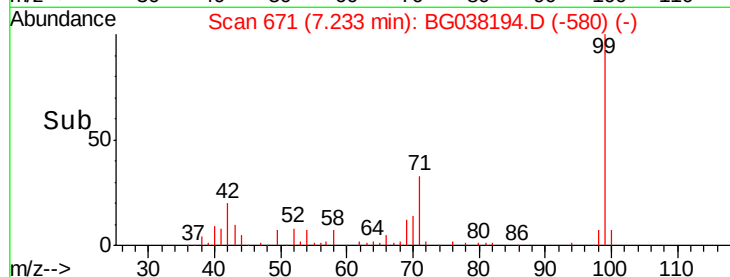
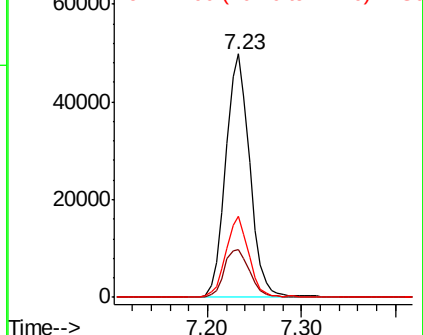
99 100

42 19.8 15.0 22.4

71 33.5 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



#10

Phenol

Concen: 3.298 ng

RT: 7.26 min Scan# 676

Delta R.T. 0.00 min

Lab File: BG038194.D

Acq: 28 Nov 2018 10:05

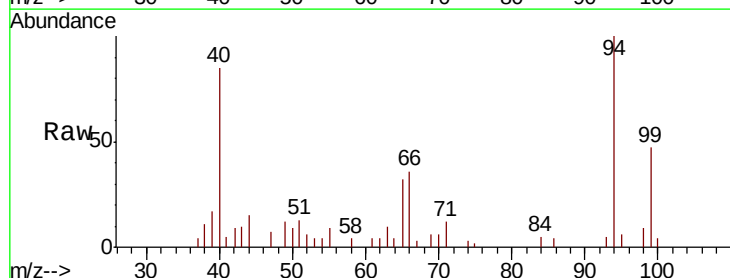
Tgt Ion: 94 Resp: 10975

Ion Ratio Lower Upper

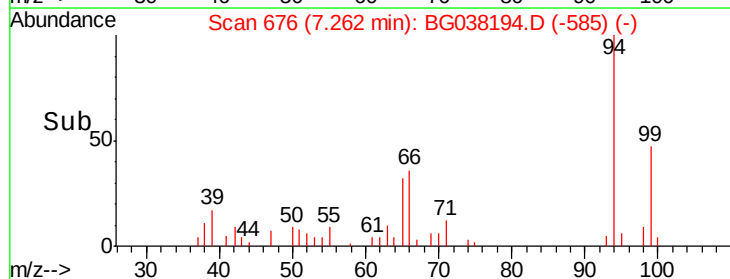
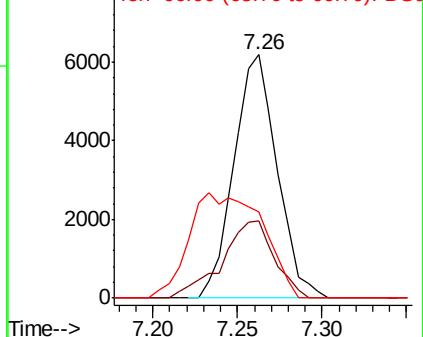
94 100

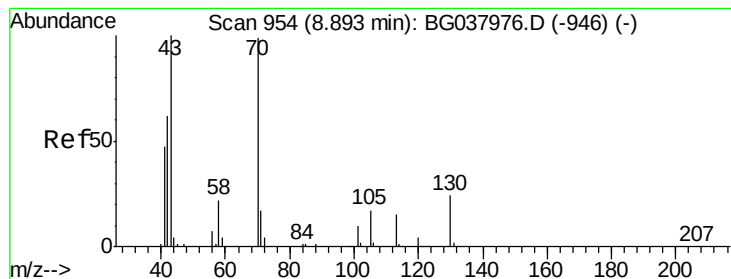
65 31.9 9.7 49.7

66 35.5 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.647 ng

RT: 9.27 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG038194.D

Acq: 28 Nov 2018 10:05

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 40112

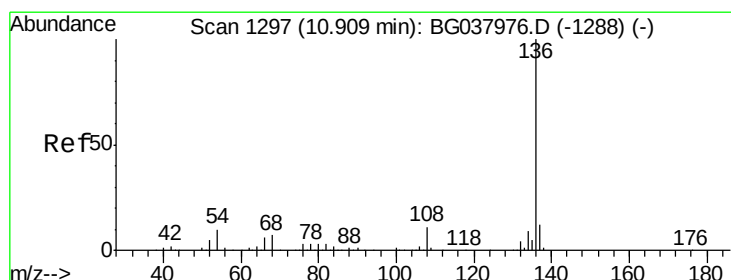
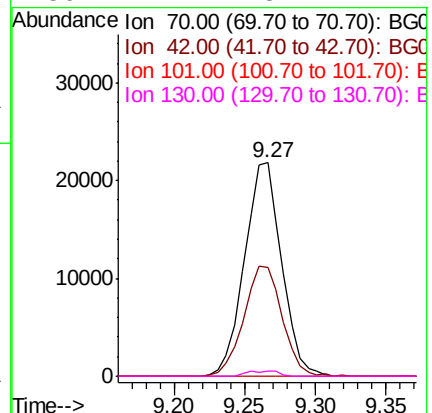
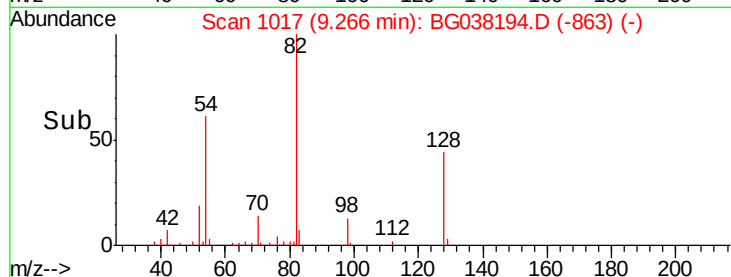
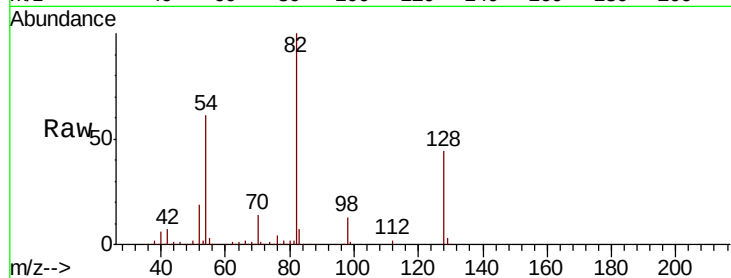
Ion Ratio Lower Upper

70 100

42 50.9 53.9 80.9#

101 0.0 8.2 12.2#

130 2.4 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BG038194.D

Acq: 28 Nov 2018 10:05

Tgt Ion: 136 Resp: 172254

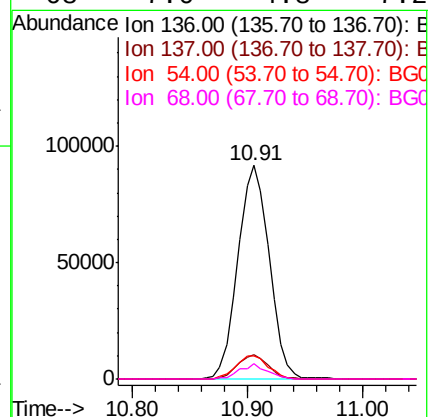
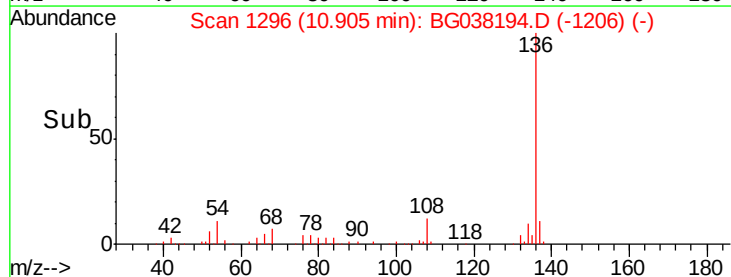
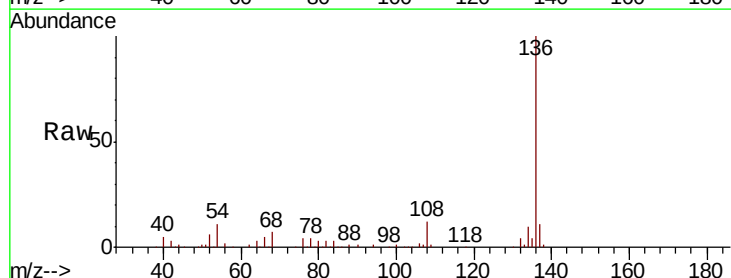
Ion Ratio Lower Upper

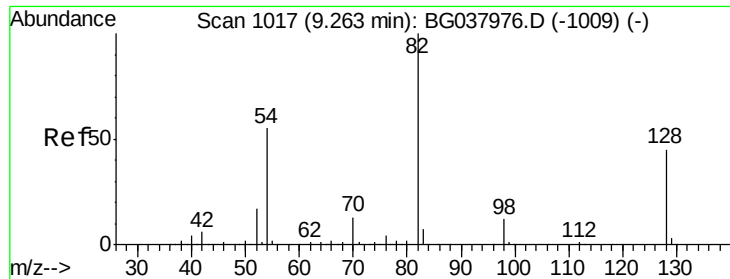
136 100

137 11.5 9.6 14.4

54 10.7 7.9 11.9

68 7.0 4.8 7.2

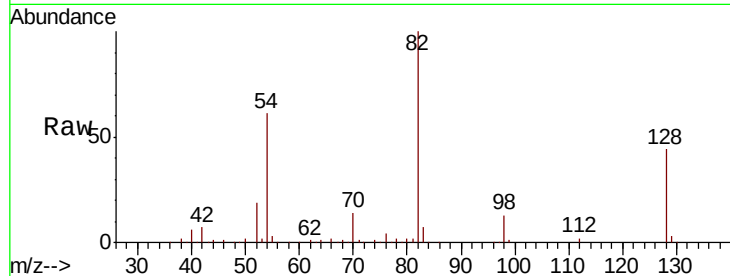




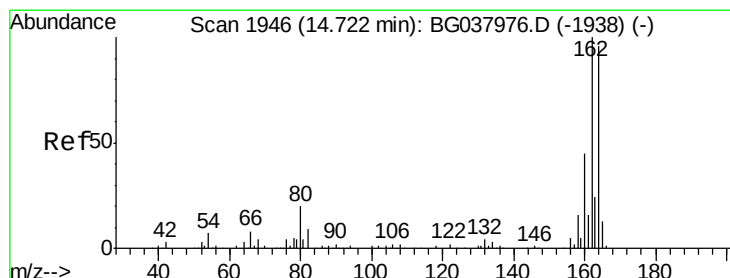
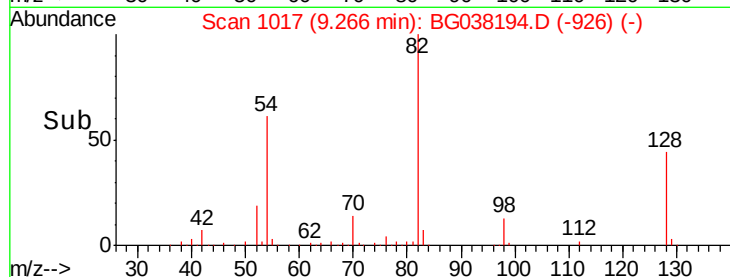
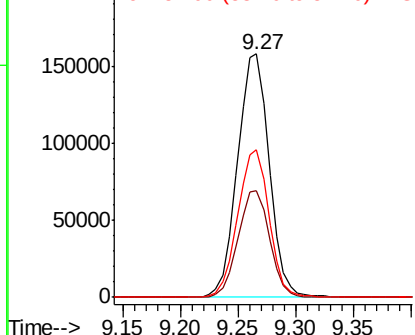
#23
 Nitrobenzene-d5
 Concen: 93.381 ng
 RT: 9.27 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BG038194.D
 Acq: 28 Nov 2018 10:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	300489
Ion Ratio	Lower	Upper	
82	100		
128	43.6	34.6	51.8
54	60.8	45.3	67.9

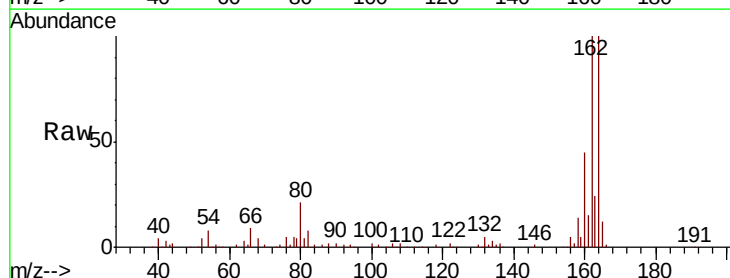


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

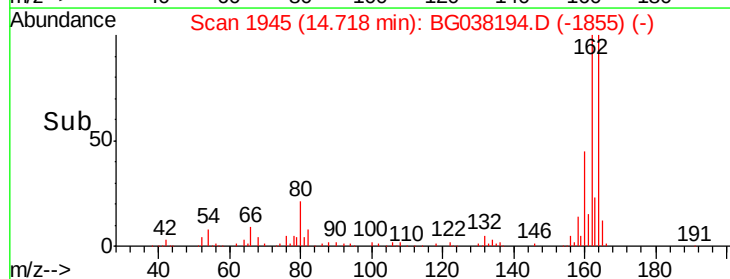
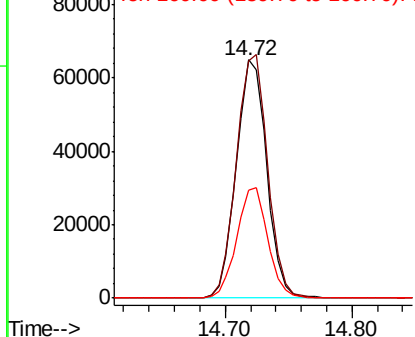


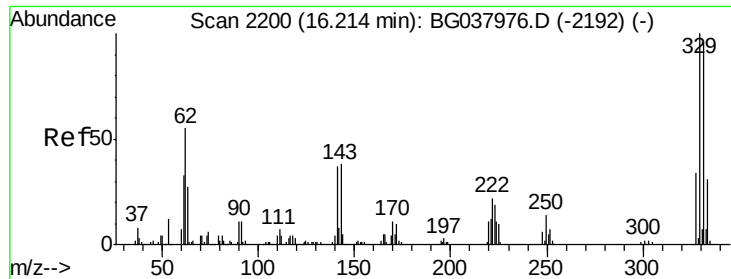
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: BG038194.D
 Acq: 28 Nov 2018 10:05

Tgt Ion	164	Resp	107547
Ion Ratio	Lower	Upper	
164	100		
162	99.8	81.3	121.9
160	45.2	36.3	54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

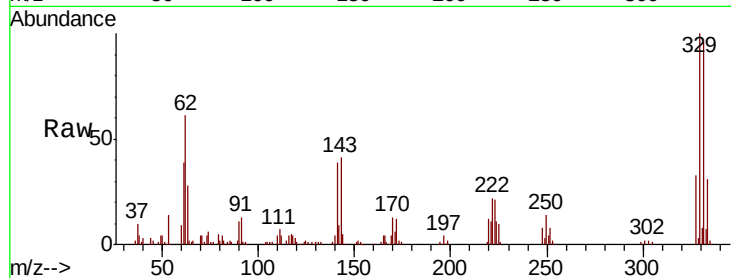




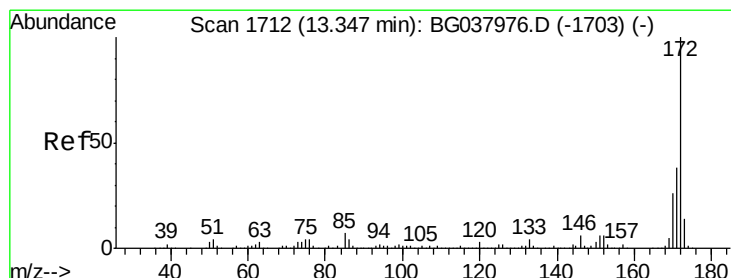
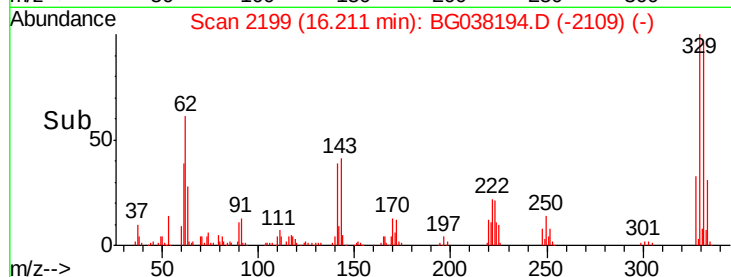
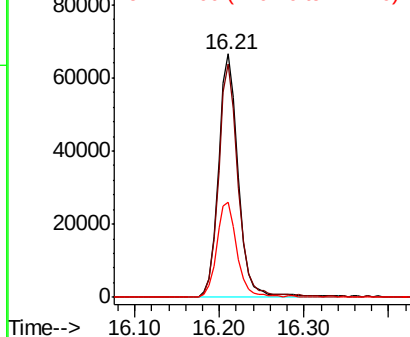
#42
 2,4,6-Tribromophenol
 Concen: 89.068 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BG038194.D
 Acq: 28 Nov 2018 10:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	78.4	117.6
141	40.4	32.2	48.2

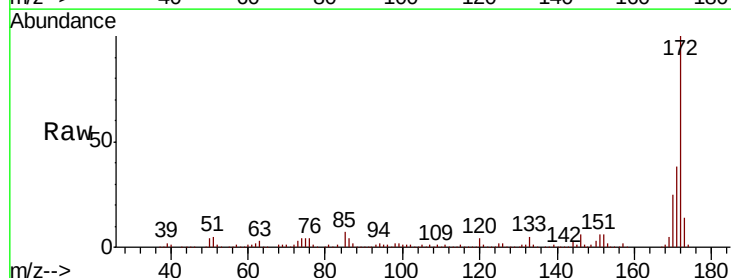


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

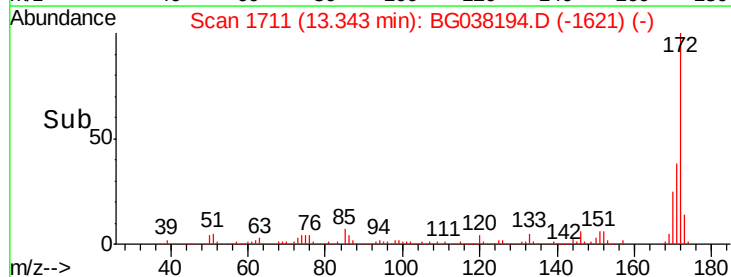
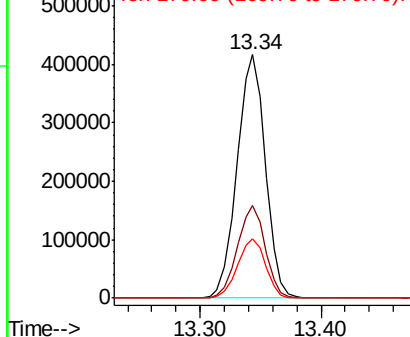


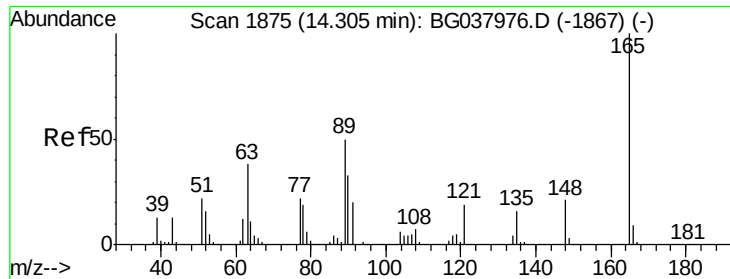
#45
 2-Fluorobiphenyl
 Concen: 92.277 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BG038194.D
 Acq: 28 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.0	46.4
170	24.5	20.2	30.2



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

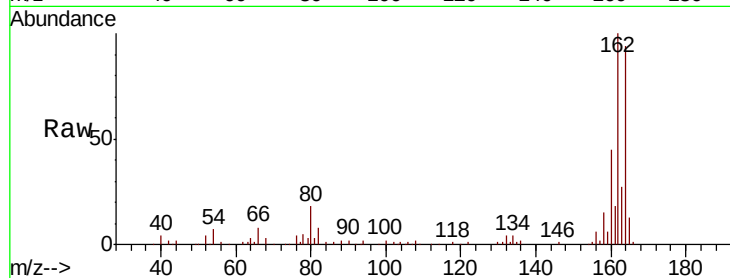




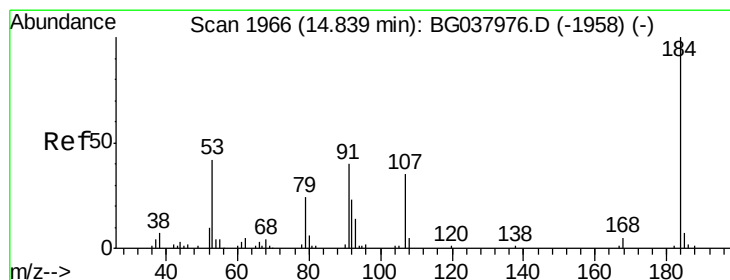
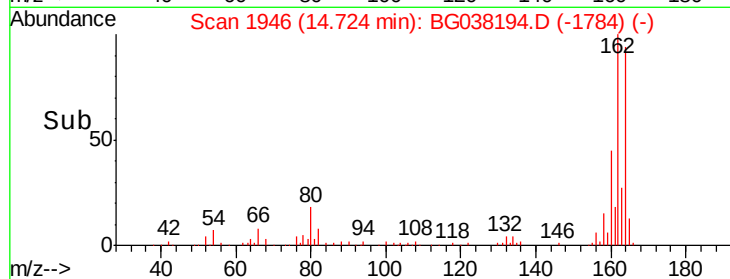
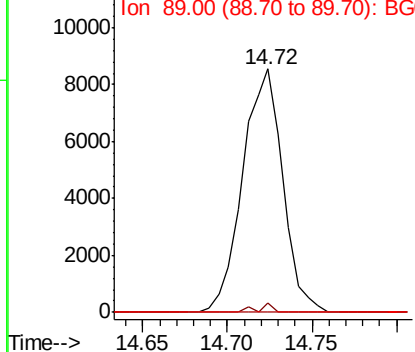
#51
 2,6-Dinitrotoluene
 Concen: 7.277 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG038194.D
 Acq: 28 Nov 2018 10:05

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.9	43.4	65.2#
89	0.0	45.8	68.6#

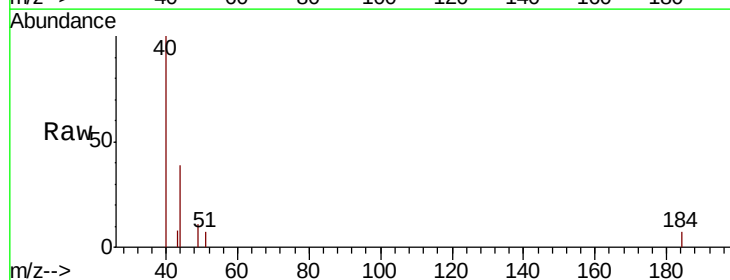


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

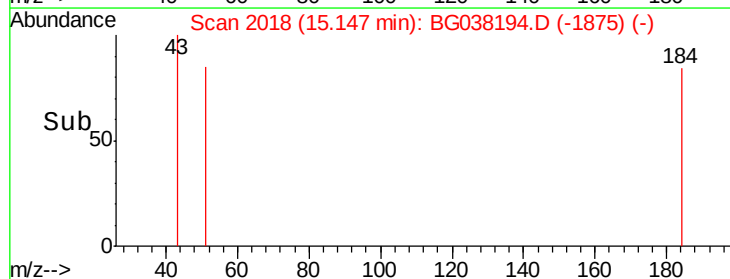
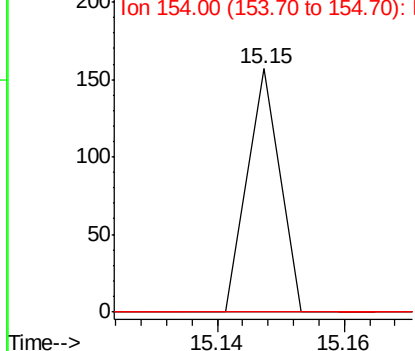


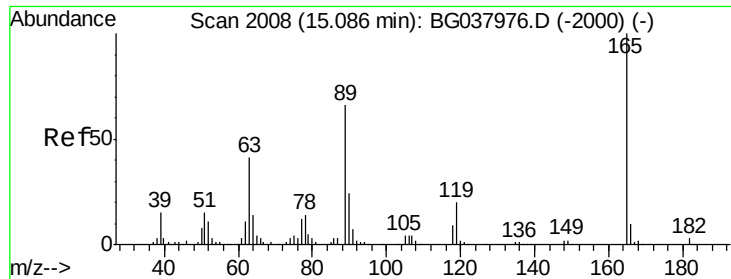
#54
 2,4-Dinitrophenol
 Concen: 9.331 ng
 RT: 15.15 min Scan# 2018
 Delta R.T. 0.31 min
 Lab File: BG038194.D
 Acq: 28 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	42.6	63.8#
154	0.0	41.8	62.6#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

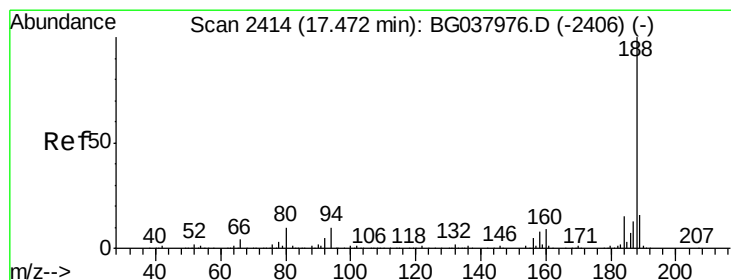
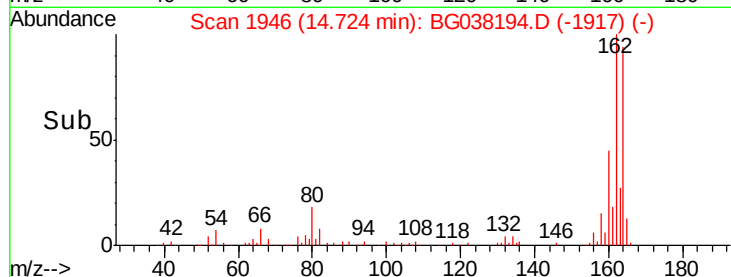
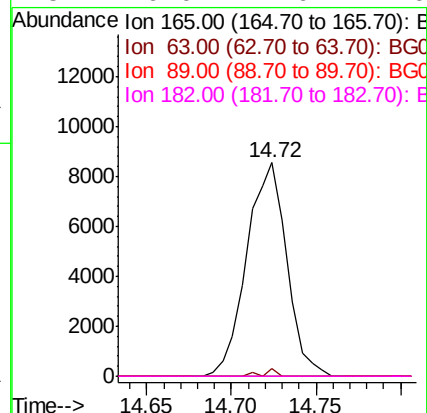
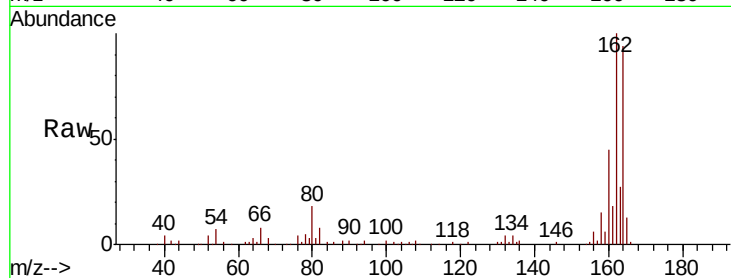




#57
 2,4-Dinitrotoluene
 Concen: 5.348 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.36 min
 Lab File: BG038194.D
 Acq: 28 Nov 2018 10:05

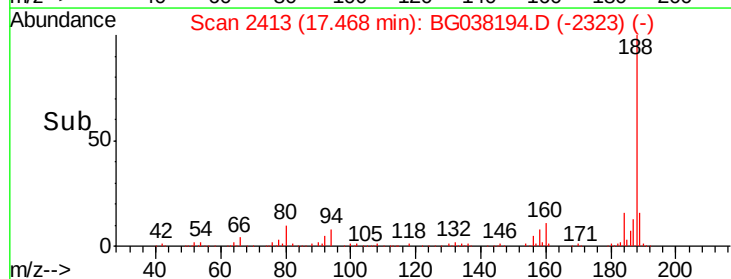
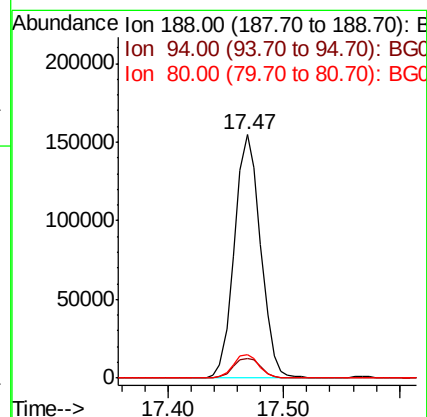
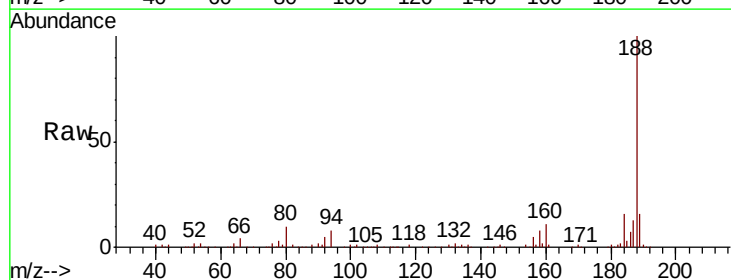
Instrument :
 BNA_G
 ClientSampleId :

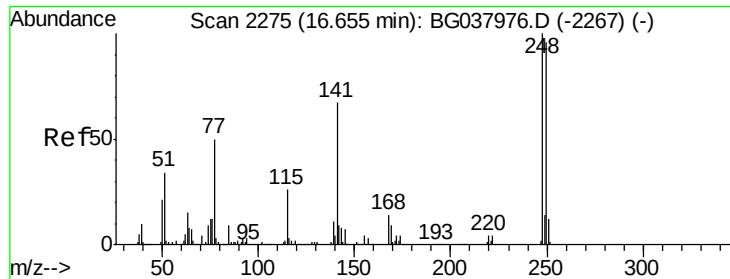
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.9	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BG038194.D
 Acq: 28 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.2	10.8
80	9.8	7.7	11.5

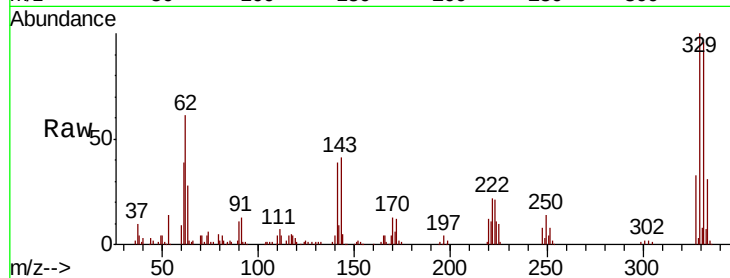




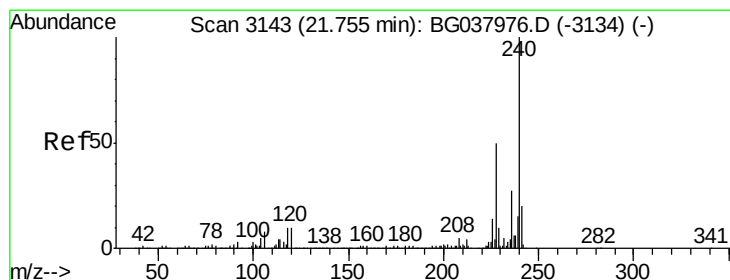
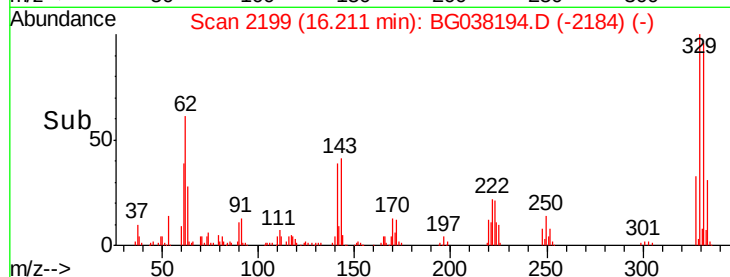
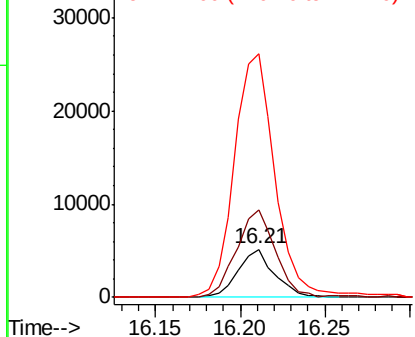
#67
4-Bromophenyl-phenylether
Concen: 2.874 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.44 min
Lab File: BG038194.D
Acq: 28 Nov 2018 10:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 7680
Ion Ratio Lower Upper
248 100
250 178.2 77.0 115.6#
141 381.5 55.5 83.3#

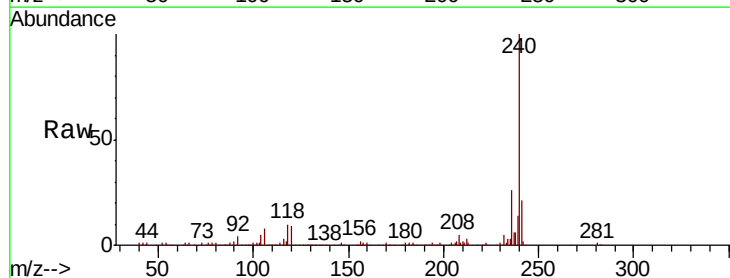


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

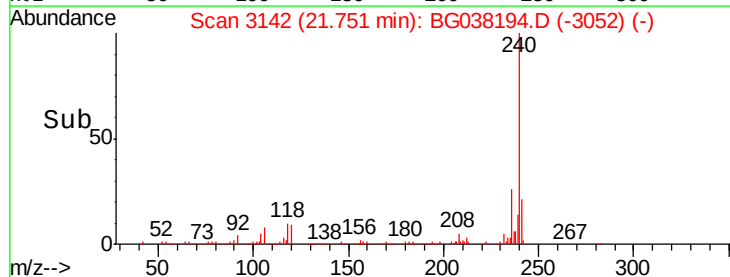
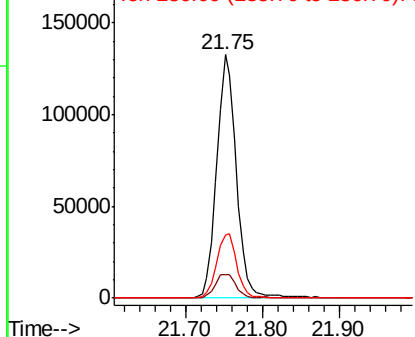


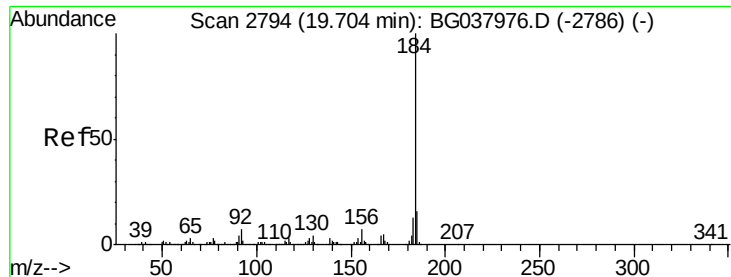
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG038194.D
Acq: 28 Nov 2018 10:05

Tgt Ion:240 Resp: 232844
Ion Ratio Lower Upper
240 100
120 9.5 8.1 12.1
236 25.8 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: 2.180 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.37 min

Lab File: BG038194.D

Acq: 28 Nov 2018 10:05

Instrument :

BNA_G

ClientSampleId :

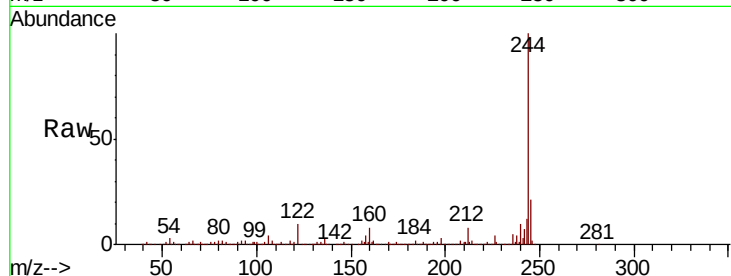
Tot Ion:184 Resp: 17814

Ion Ratio Lower Upper

184 100

185 14.7 12.6 18.8

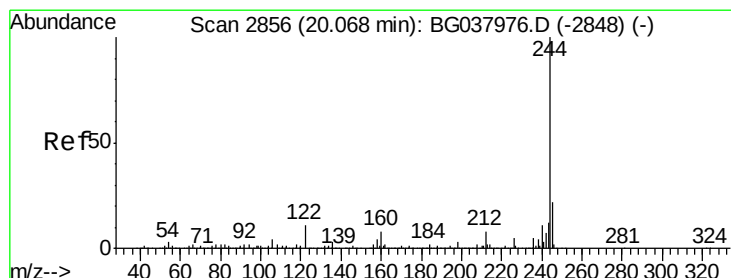
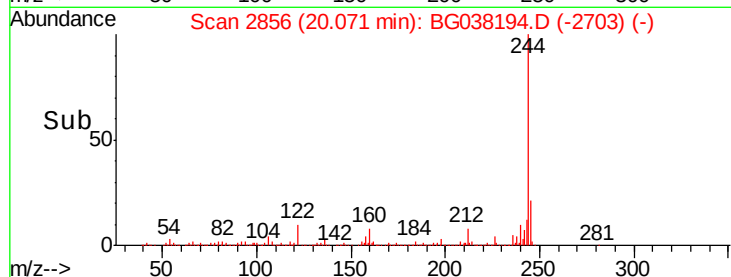
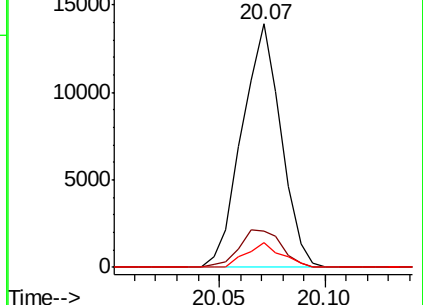
183 10.0 10.2 15.2#



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: 102.973 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038194.D

Acq: 28 Nov 2018 10:05

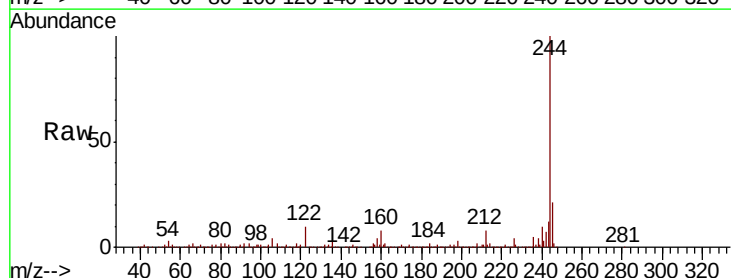
Tgt Ion:244 Resp: 1018979

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

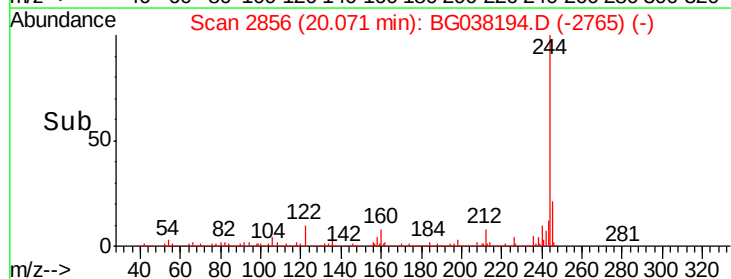
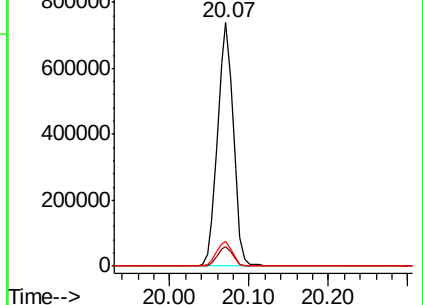
122 10.1 9.0 13.4

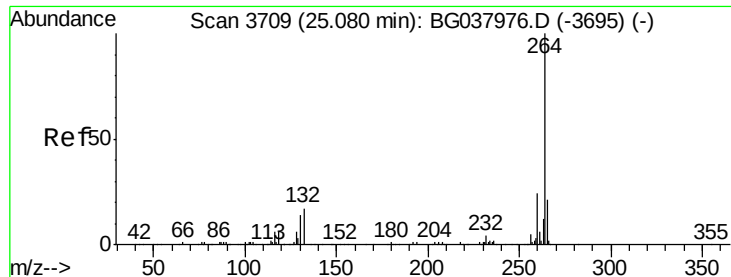


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.08 min Scan# 3709
Delta R.T. 0.00 min
Lab File: BG038194.D
Acq: 28 Nov 2018 10:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	21.7	17.9	26.9

