

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032734.D
 Acq On : 16 Feb 2018 4:56
 Operator : SJ/JU
 Sample : J1402-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 07:08:26 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

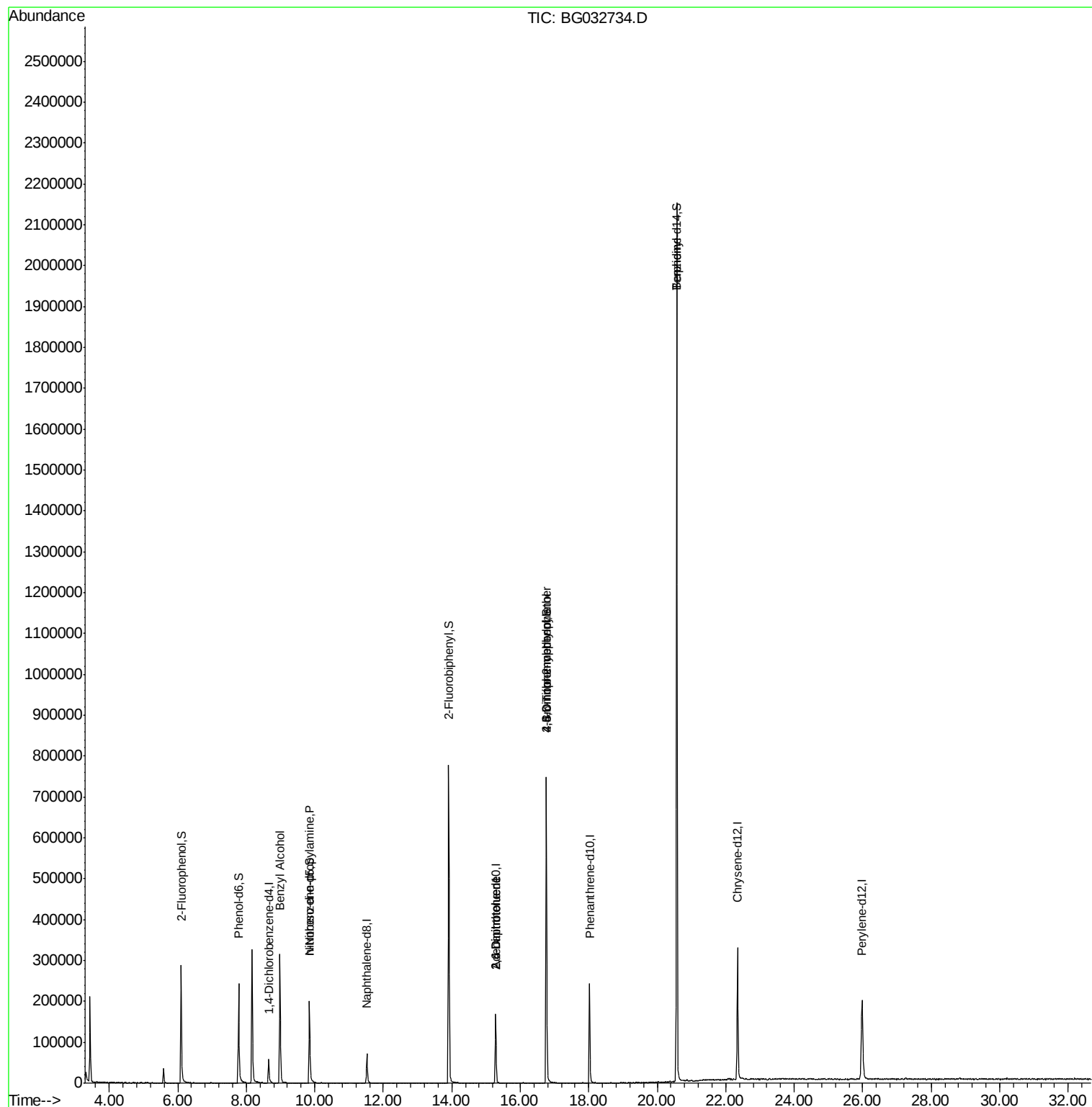
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.65	152	23243	20.00	ng	-0.02
21) Naphthalene-d8	11.52	136	79274	20.00	ng	-0.02
38) Acenaphthene-d10	15.28	164	68066	20.00	ng	-0.02
63) Phenanthrene-d10	18.02	188	189058	20.00	ng	-0.02
75) Chrysene-d12	22.34	240	269040	20.00	ng	-0.03
86) Perylene-d12	25.98	264	280053	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	154730	133.56	ng	-0.02
7) Phenol-d6	7.78	99	163188	103.02	ng	-0.02
23) Nitrobenzene-d5	9.84	82	139771	112.06	ng	-0.03
41) 2,4,6-Tribromophenol	16.77	330	190295	181.57	ng	-0.02
44) 2-Fluorobiphenyl	13.91	172	490323	90.08	ng	-0.02
78) Terphenyl-d14	20.57	244	1199974	101.66	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.97	79	2583	2.18	ng	# 38
19) n-Nitroso-di-n-propylamine	9.84	70	20806	19.54	ng	# 74
50) 2,6-Dinitrotoluene	15.28	165	8466	6.99	ng	# 18
56) 2,4-Dinitrotoluene	15.28	165	8466	5.07	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.77	198	345	5.25	ng	# 21
66) 4-Bromophenyl-phenylether	16.77	248	15694	5.80	ng	# 1
76) Benizidine	20.57	184	18304	2.89	ng	# 91

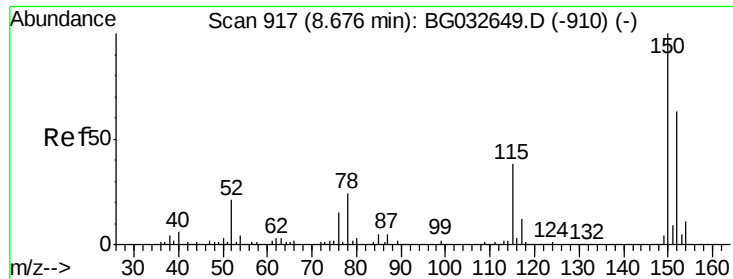
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 12 18:08:01 2018
Response via : Initial Calibration



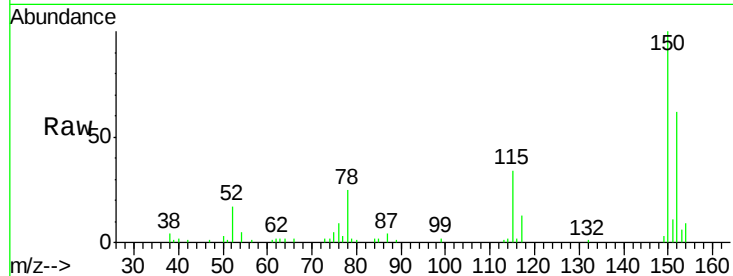


#1

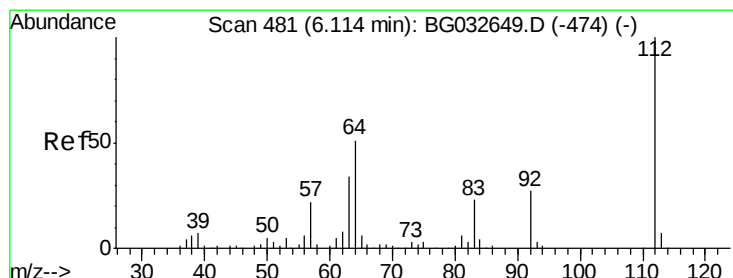
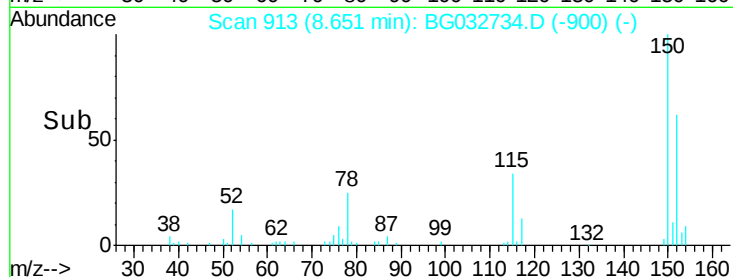
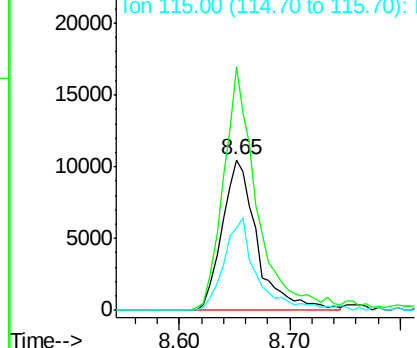
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.65 min Scan# 913
Delta R.T. -0.02 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 23243
Ion Ratio Lower Upper
152 100
150 162.0 126.6 189.8
115 54.6 53.0 79.4



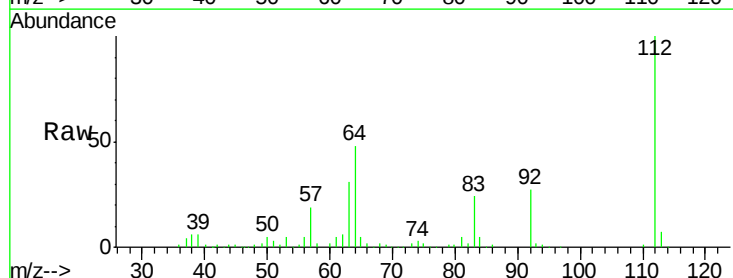
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



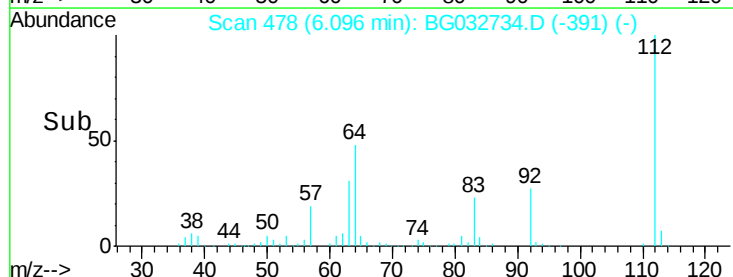
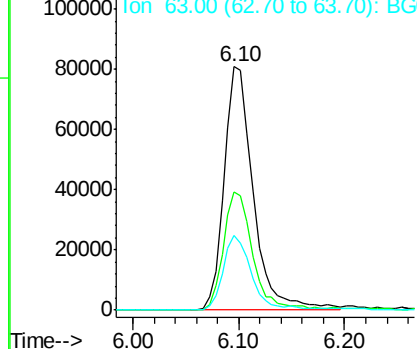
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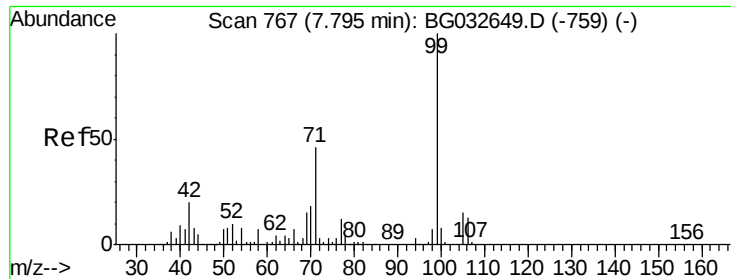
2-Fluorophenol
Concen: 133.56 ng
RT: 6.10 min Scan# 478
Delta R.T. -0.02 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Tgt Ion:112 Resp: 154730
Ion Ratio Lower Upper
112 100
64 48.5 56.3 84.5#
63 30.8 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 103.02 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032734.D

Acq: 16 Feb 2018 4:56

Instrument :

BNA_F

ClientSampleId :

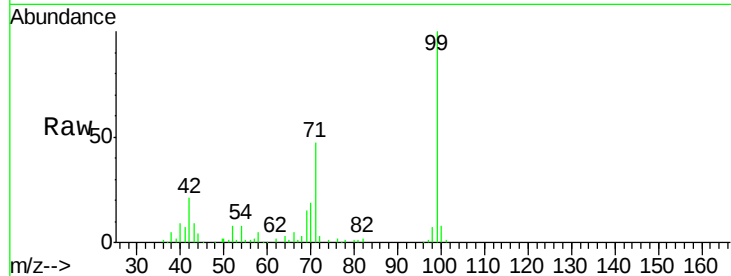
Tot Ion: 99 Resp: 163188

Ion Ratio Lower Upper

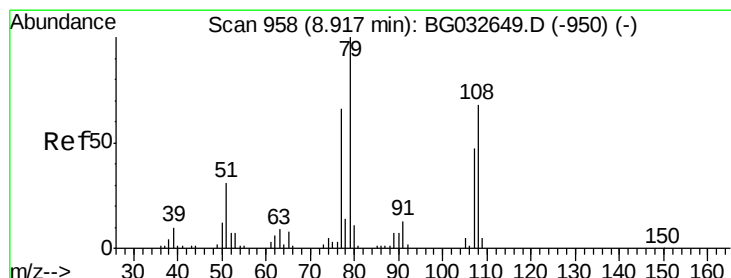
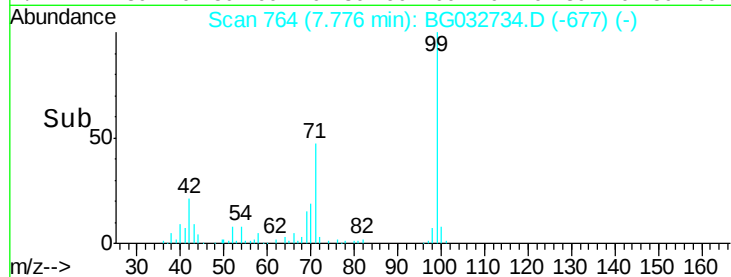
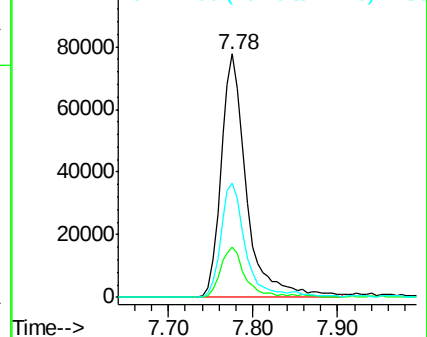
99 100

42 20.8 14.1 21.1

71 47.0 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.06 min

Lab File: BG032734.D

Acq: 16 Feb 2018 4:56

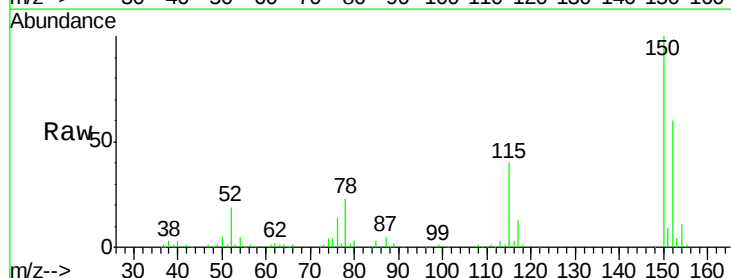
Tgt Ion: 79 Resp: 2583

Ion Ratio Lower Upper

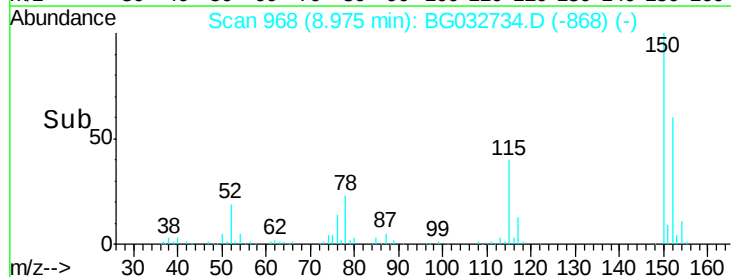
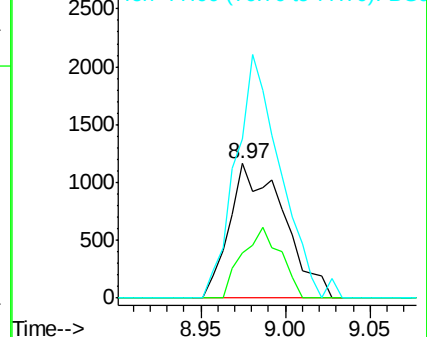
79 100

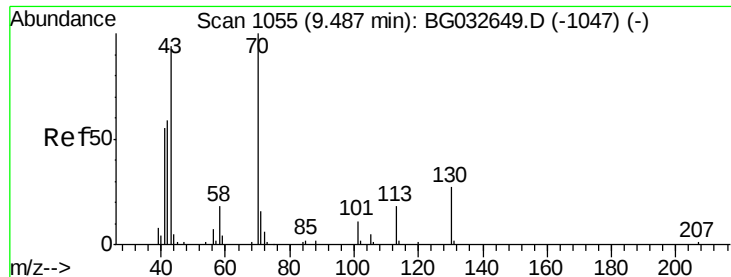
108 33.4 57.2 85.8#

77 118.7 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

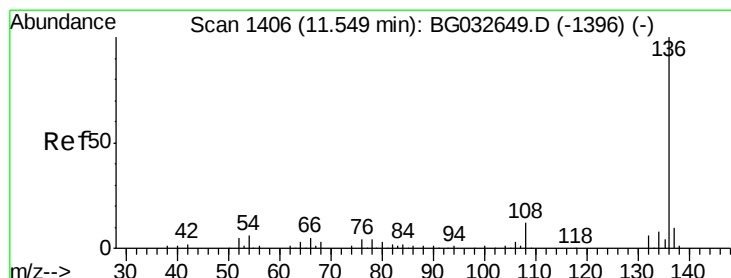
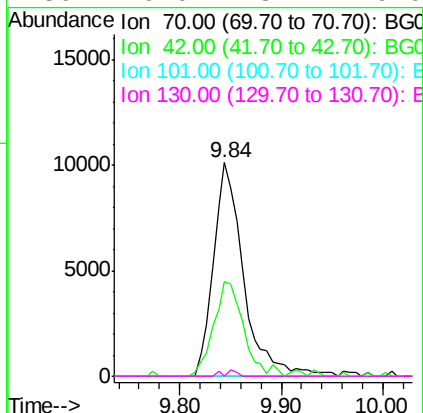
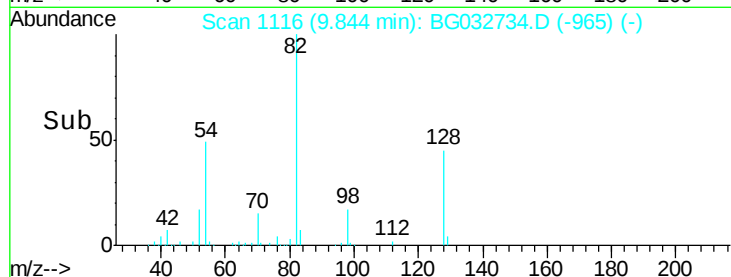
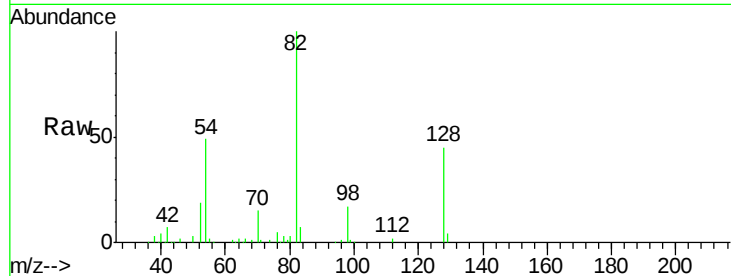




#19
n-Nitroso-di-n-propylamine
Concen: 19.54 ng
RT: 9.84 min Scan# 1116
Delta R.T. 0.36 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

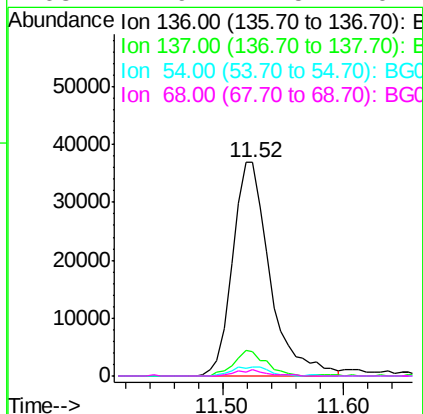
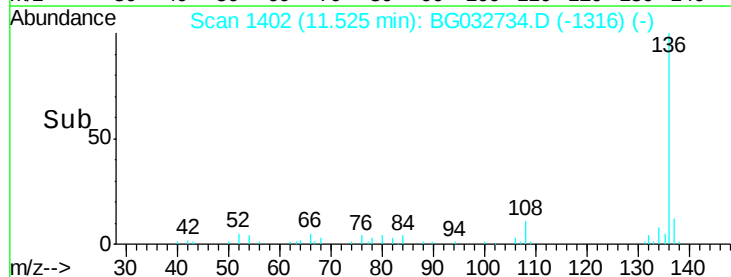
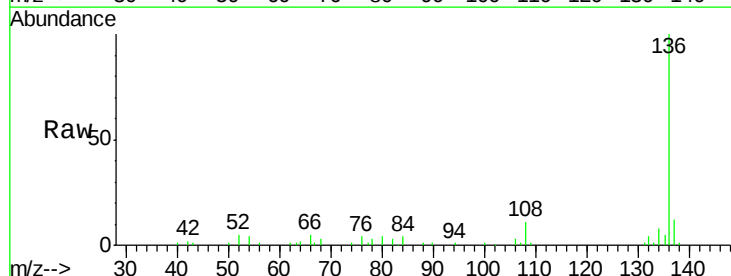
Instrument :
BNA_F
ClientSampleId :

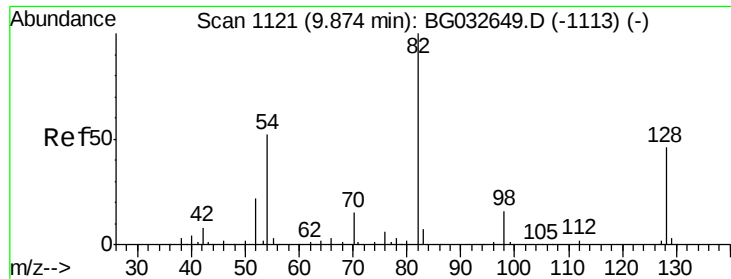
Tot Ion: 70 Resp: 20806
Ion Ratio Lower Upper
70 100
42 44.3 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.52 min Scan# 1402
Delta R.T. -0.02 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Tgt Ion: 136 Resp: 79274
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 4.2 10.3 15.5#
68 2.9 4.5 6.7#

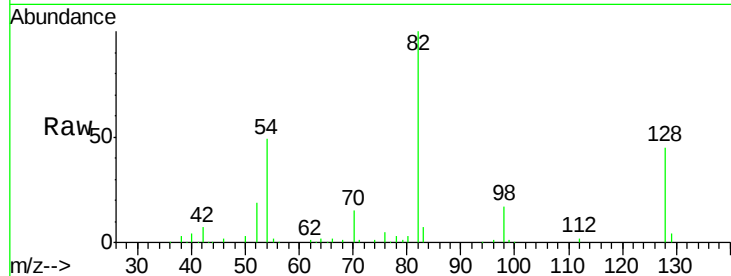




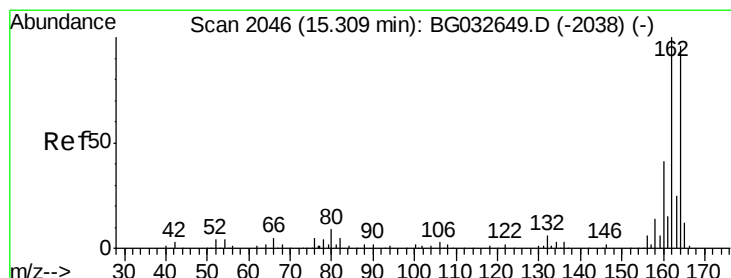
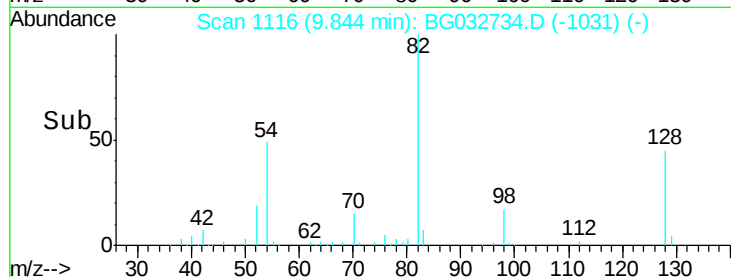
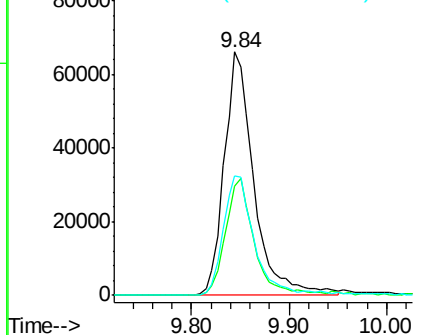
#23
 Nitrobenzene-d5
 Concen: 112.06 ng
 RT: 9.84 min Scan# 1116
 Delta R.T. -0.03 min
 Lab File: BG032734.D
 Acq: 16 Feb 2018 4:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 139771
 Ion Ratio Lower Upper
 82 100
 128 44.7 29.7 44.5#
 54 49.1 43.1 64.7

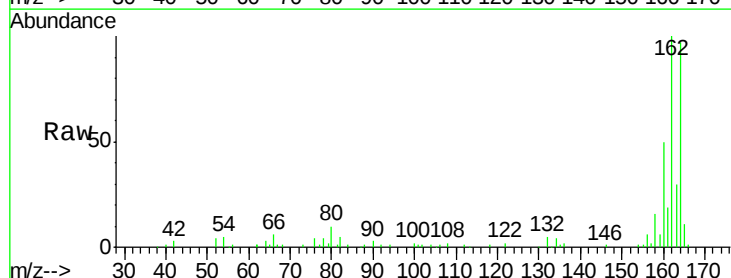


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

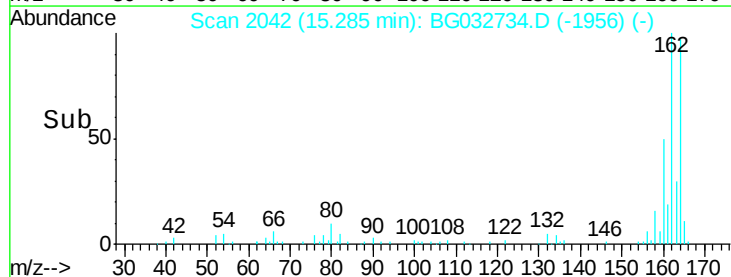
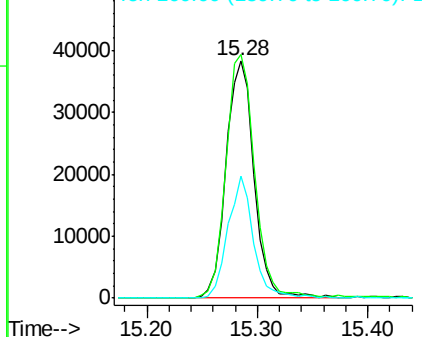


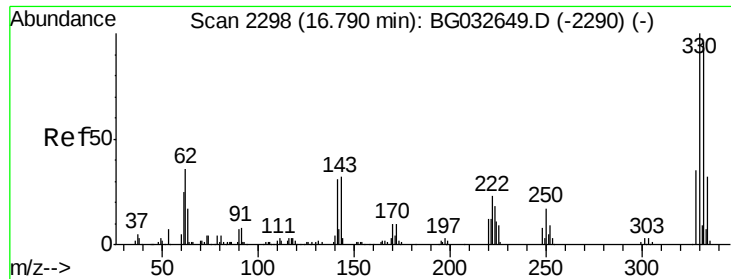
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.28 min Scan# 2042
 Delta R.T. -0.02 min
 Lab File: BG032734.D
 Acq: 16 Feb 2018 4:56

Tgt Ion:164 Resp: 68066
 Ion Ratio Lower Upper
 164 100
 162 102.7 78.8 118.2
 160 51.3 35.4 53.0



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

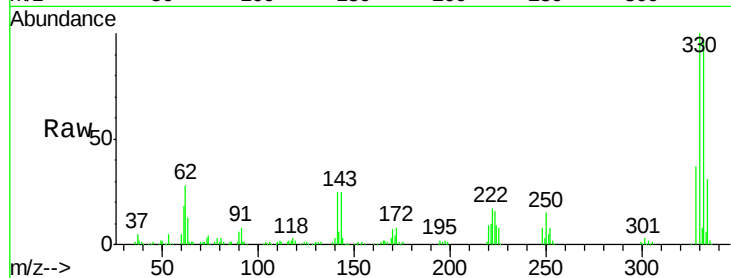




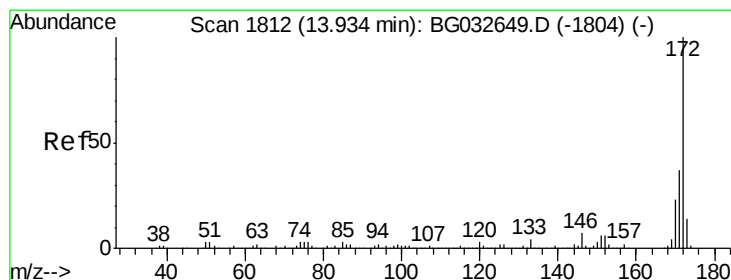
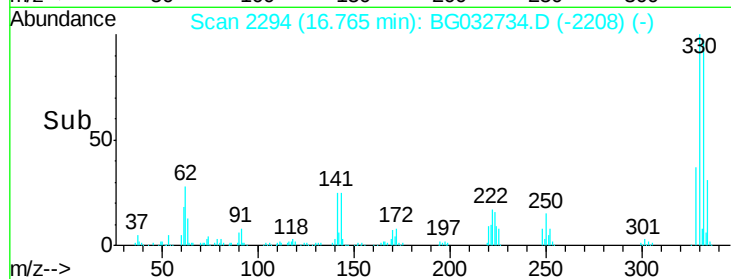
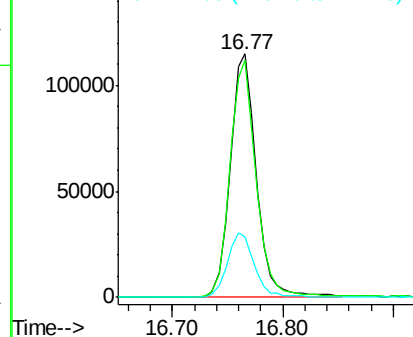
#41
 2,4,6-Tribromophenol
 Concen: 181.57 ng
 RT: 16.77 min Scan# 2294
 Delta R.T. -0.02 min
 Lab File: BG032734.D
 Acq: 16 Feb 2018 4:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	27.5	25.2	37.8

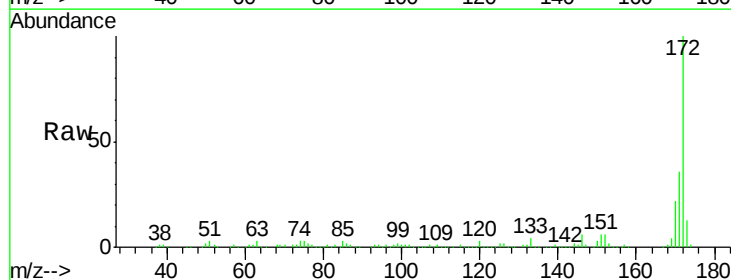


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

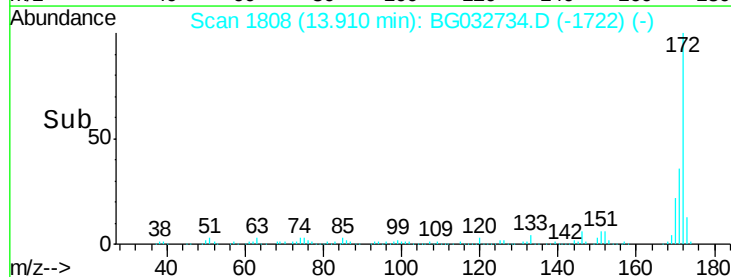
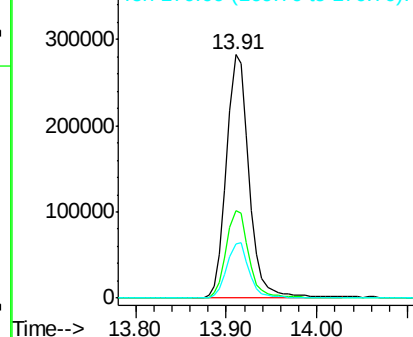


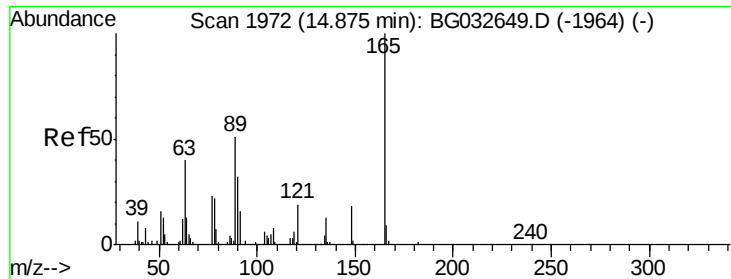
#44
 2-Fluorobiphenyl
 Concen: 90.08 ng
 RT: 13.91 min Scan# 1808
 Delta R.T. -0.02 min
 Lab File: BG032734.D
 Acq: 16 Feb 2018 4:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.0	45.0
170	22.5	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

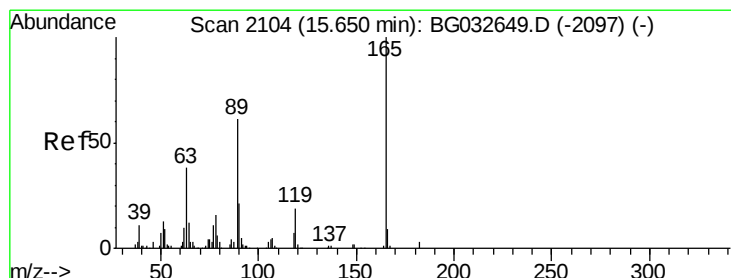
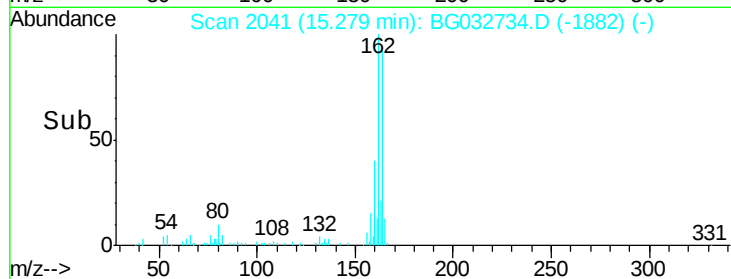
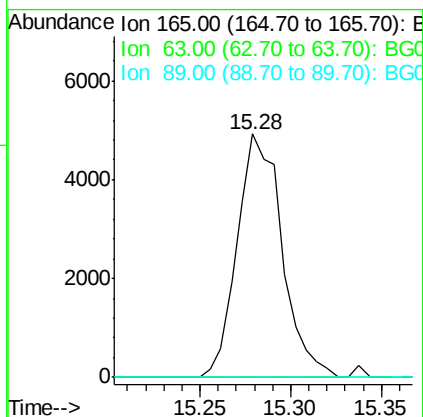
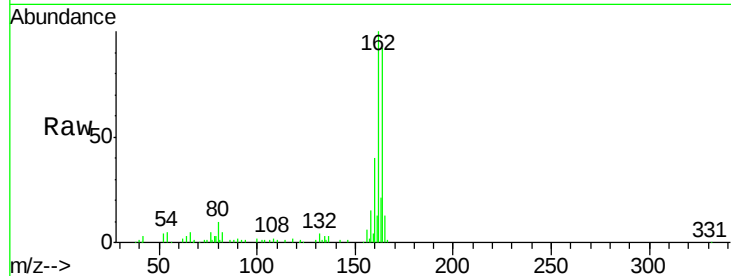




#50
2,6-Dinitrotoluene
Concen: 6.99 ng
RT: 15.28 min Scan# 2041
Delta R.T. 0.40 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

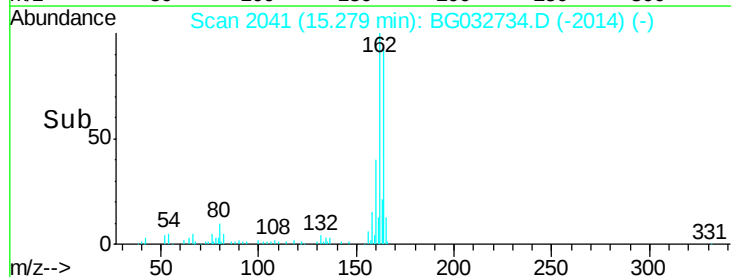
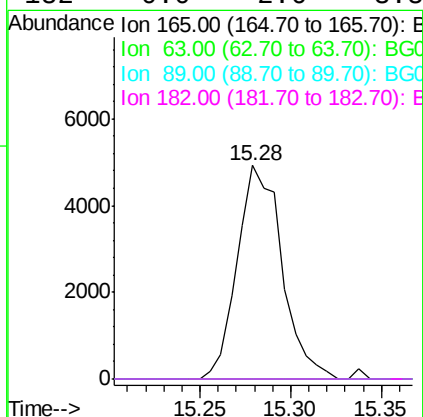
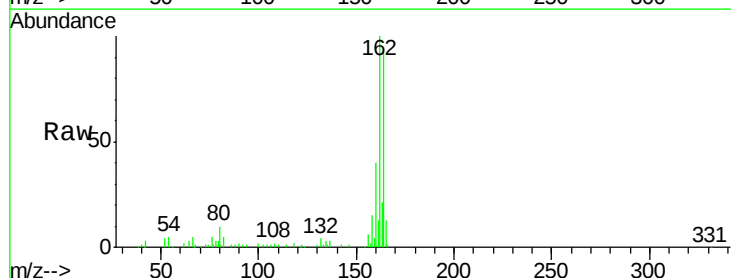
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BNA_F
ClientSampleId :

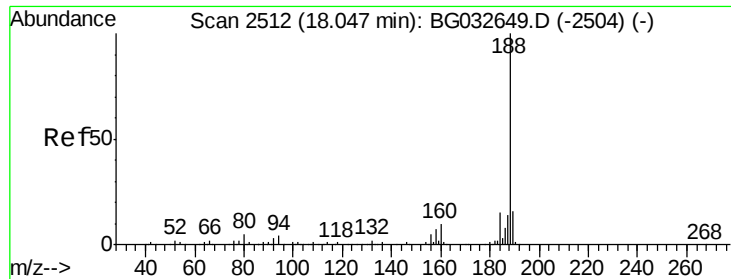
Tot Ion:165 Resp: 8466
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.07 ng
RT: 15.28 min Scan# 2041
Delta R.T. -0.37 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Tgt Ion:165 Resp: 8466
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

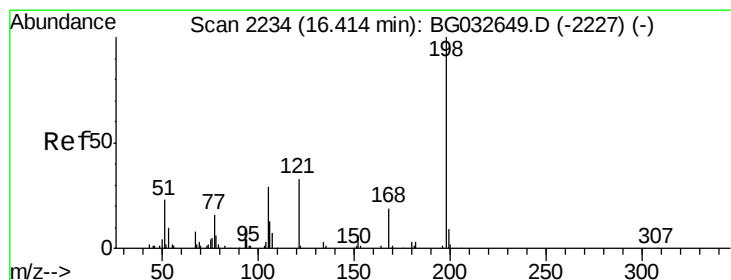
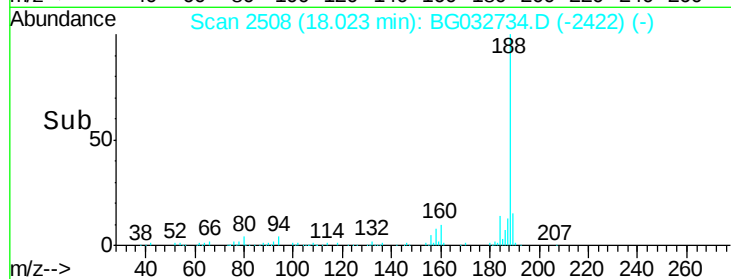
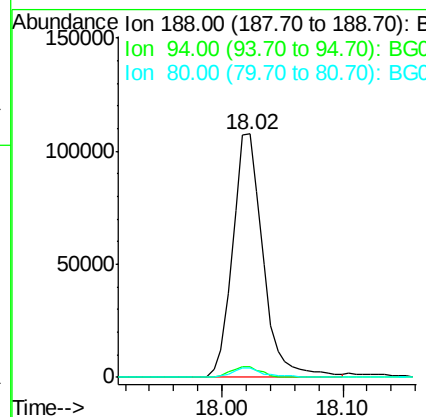
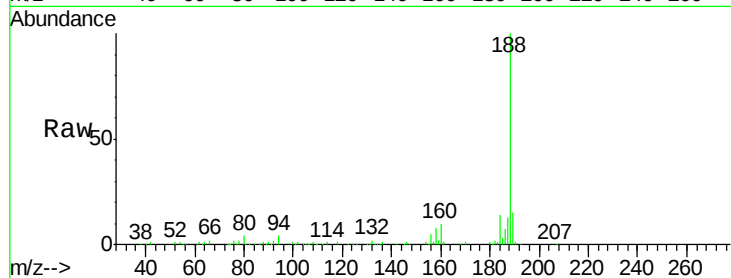




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.02 min Scan# 2508
Delta R.T. -0.02 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

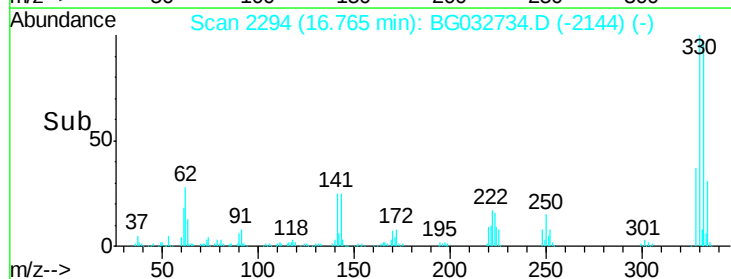
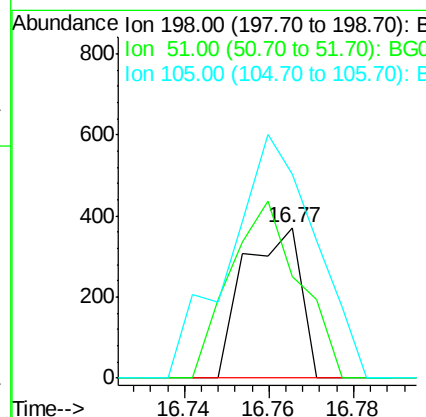
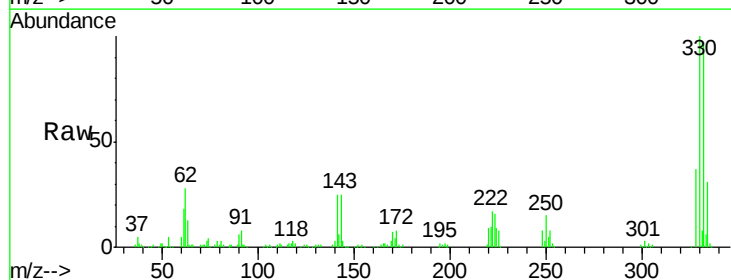
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BNA_F
ClientSampleId :

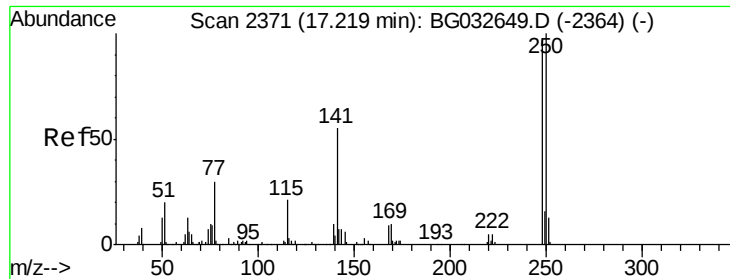
Tot Ion	Ratio	Lower	Upper
188	100		
94	4.2	6.9	10.3#
80	3.9	7.7	11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.25 ng
RT: 16.77 min Scan# 2294
Delta R.T. 0.35 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Tgt Ion	Ratio	Lower	Upper
198	100		
51	66.9	30.6	70.6
105	135.5	23.8	63.8#

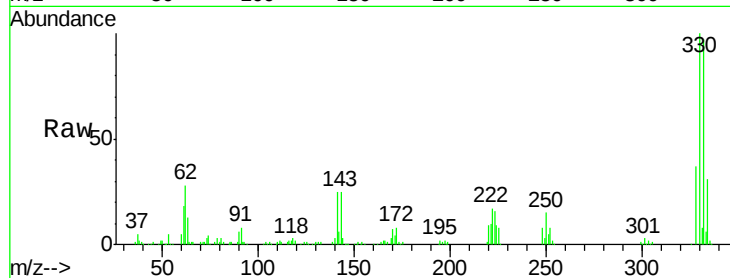




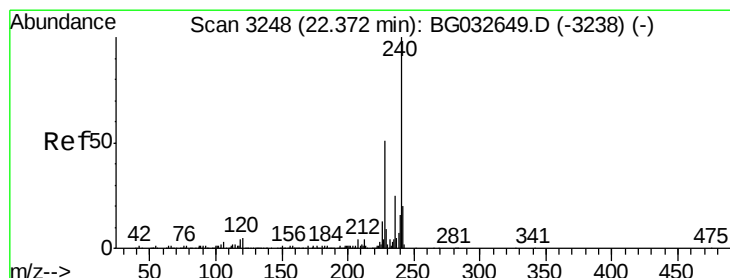
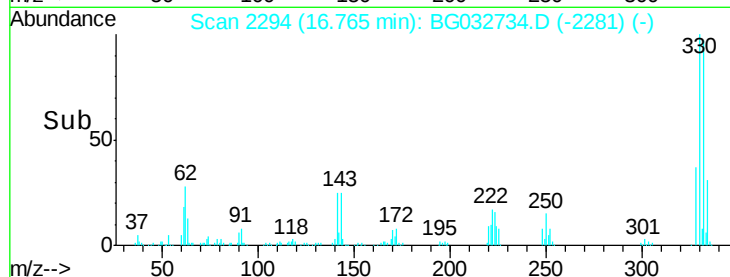
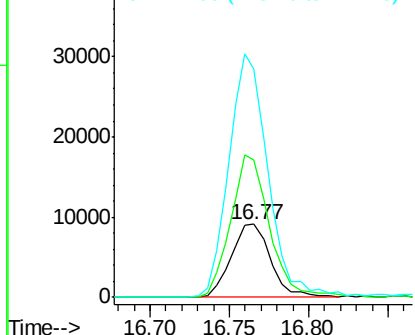
#66
4-Bromophenyl-phenylether
Concen: 5.80 ng
RT: 16.77 min Scan# 2294
Delta R.T. -0.45 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15694
Ion Ratio Lower Upper
248 100
250 188.8 77.1 115.7#
141 313.5 50.8 76.2#

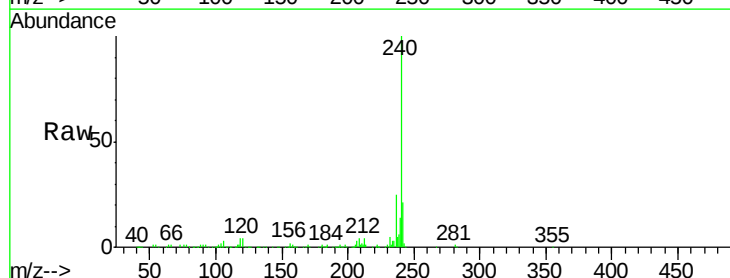


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

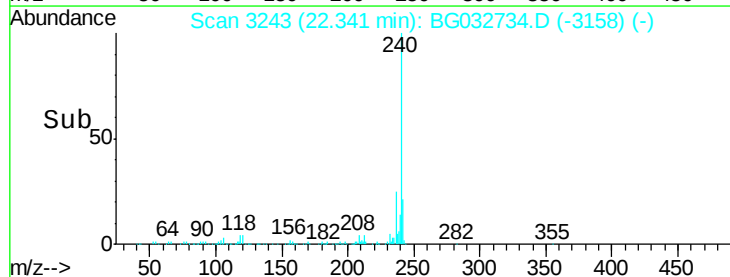
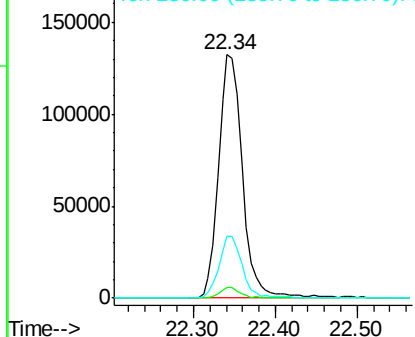


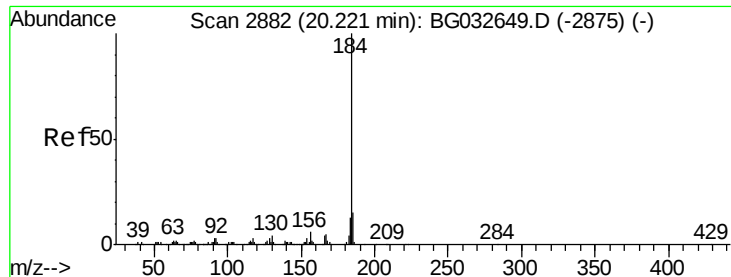
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.34 min Scan# 3243
Delta R.T. -0.03 min
Lab File: BG032734.D
Acq: 16 Feb 2018 4:56

Tgt Ion:240 Resp: 269040
Ion Ratio Lower Upper
240 100
120 4.4 6.8 10.2#
236 25.3 20.9 31.3



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: 2.89 ng

RT: 20.57 min Scan# 2941

Delta R.T. 0.35 min

Lab File: BG032734.D

Acq: 16 Feb 2018 4:56

Instrument :

BNA_F

ClientSampleId :

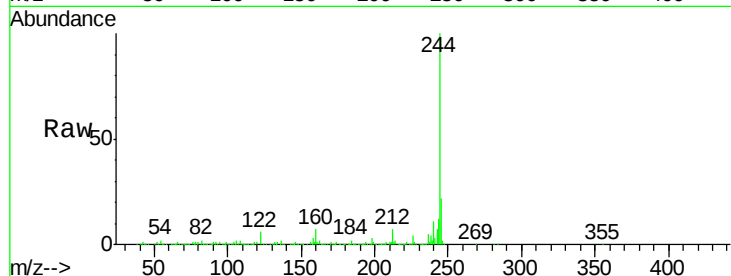
Tot Ion:184 Resp: 18304

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

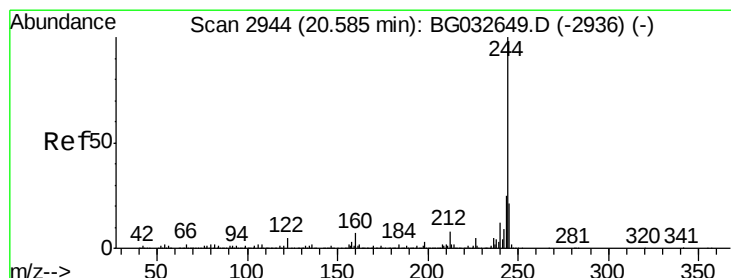
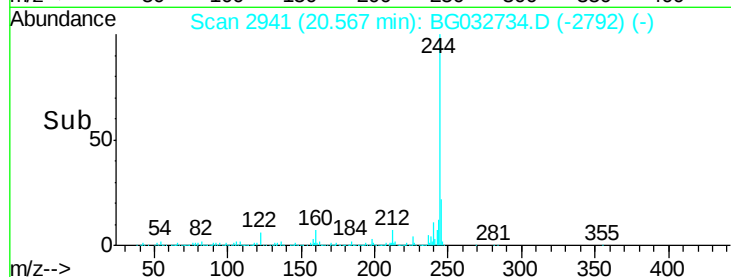
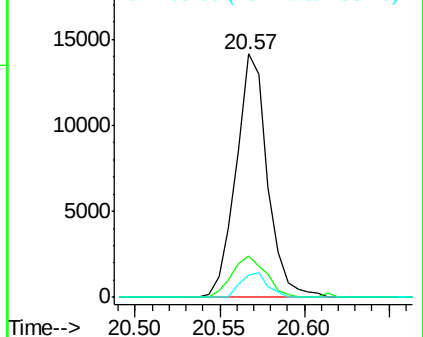
183 9.1 10.6 16.0#



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



#78

Terphenyl-d14

Concen: 101.66 ng

RT: 20.57 min Scan# 2941

Delta R.T. -0.02 min

Lab File: BG032734.D

Acq: 16 Feb 2018 4:56

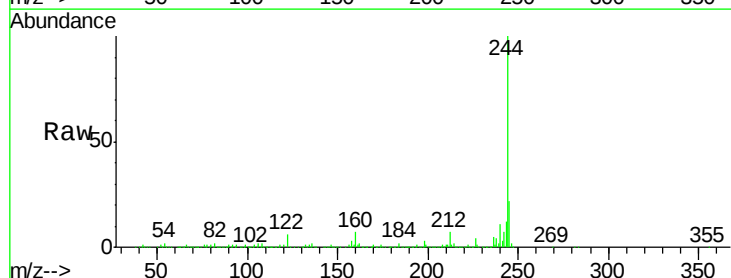
Tgt Ion:244 Resp: 1199974

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

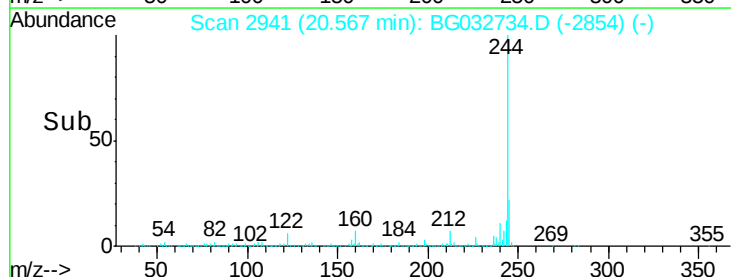
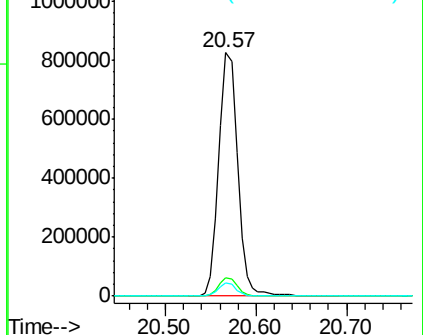
122 5.6 7.0 10.4#

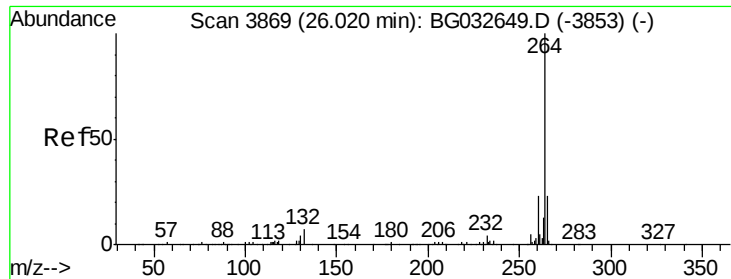


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.98 min Scan# 3862
 Delta R.T. -0.04 min
 Lab File: BG032734.D
 Acq: 16 Feb 2018 4:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	21.5	17.7	26.5

