

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032727.D
 Acq On : 15 Feb 2018 23:34
 Operator : SJ/JU
 Sample : J1536-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 03:09:00 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

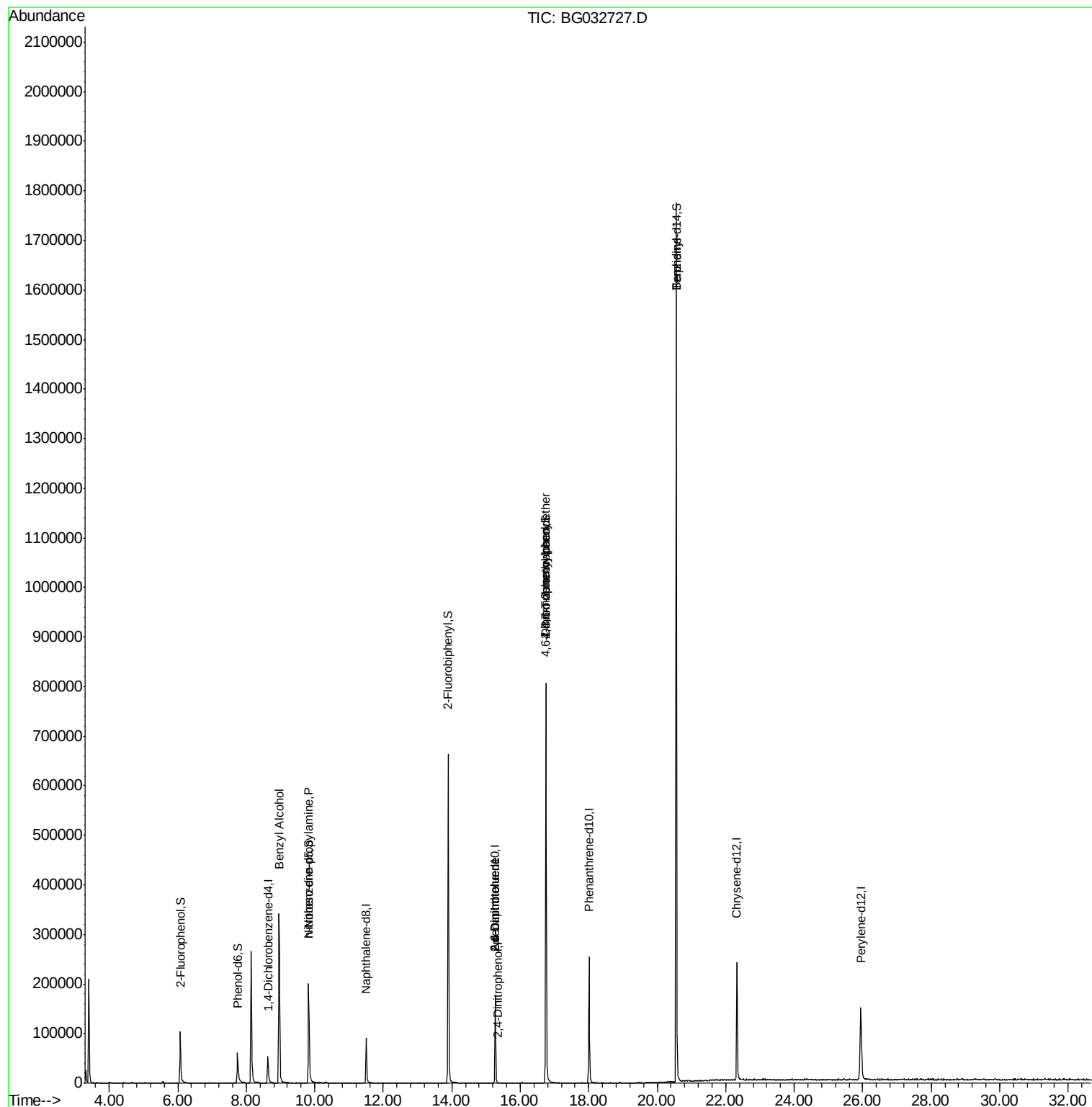
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.63	152	21819	20.00	ng	-0.05
21) Naphthalene-d8	11.50	136	94810	20.00	ng	-0.05
38) Acenaphthene-d10	15.27	164	69753	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	197937	20.00	ng	-0.04
75) Chrysene-d12	22.32	240	190919	20.00	ng	-0.05
86) Perylene-d12	25.94	264	212433	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	6.07	112	60315	55.46	ng	-0.04
7) Phenol-d6	7.75	99	47468	31.92	ng	-0.05
23) Nitrobenzene-d5	9.82	82	145295	97.40	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	205735	191.55	ng	-0.04
44) 2-Fluorobiphenyl	13.90	172	430087	77.11	ng	-0.04
78) Terphenyl-d14	20.56	244	962331	114.88	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	8.96	79	3169	2.84	ng	# 46
19) n-Nitroso-di-n-propylamine	9.83	70	20850	20.86	ng	# 69
50) 2,6-Dinitrotoluene	15.27	165	9130	7.35	ng	# 18
53) 2,4-Dinitrophenol	15.34	184	57	11.53	ng	# 1
56) 2,4-Dinitrotoluene	15.27	165	9130	5.34	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.76	198	460	5.31	ng	# 61
66) 4-Bromophenyl-phenylether	16.75	248	16453	5.81	ng	# 1
76) Benzidine	20.56	184	13124	2.92	ng	# 92

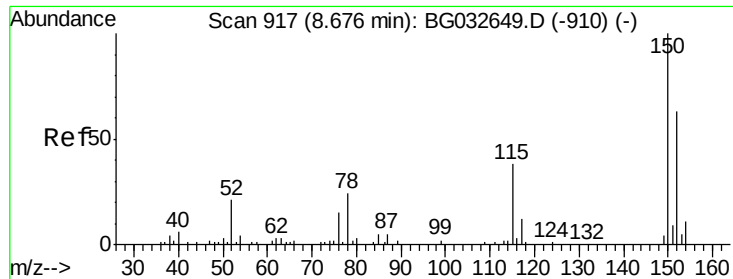
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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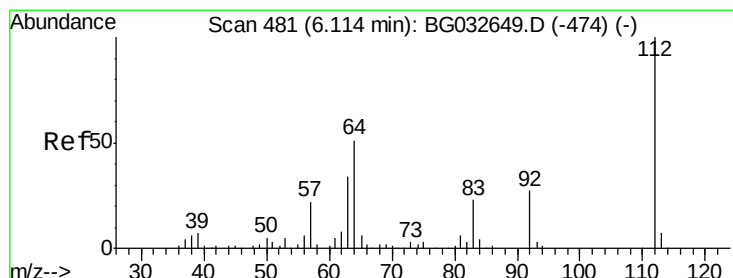
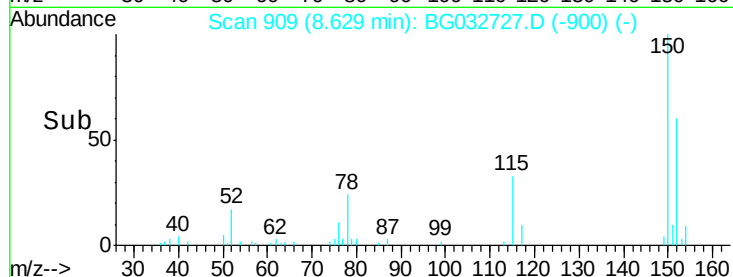
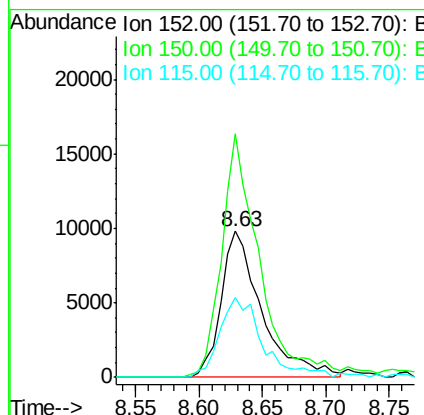
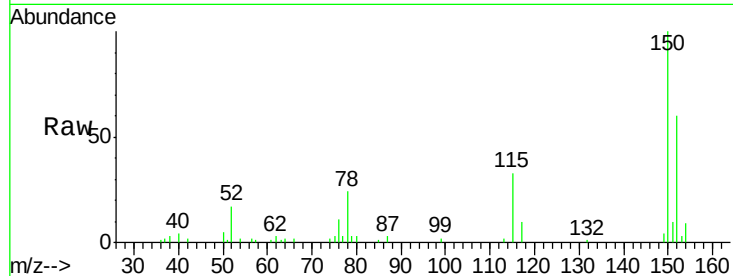


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.63 min Scan# 909
Delta R.T. -0.05 min
Lab File: BG032727.D
Acq: 15 Feb 2018 23:34

Instrument :
BNA_F
ClientSampled :

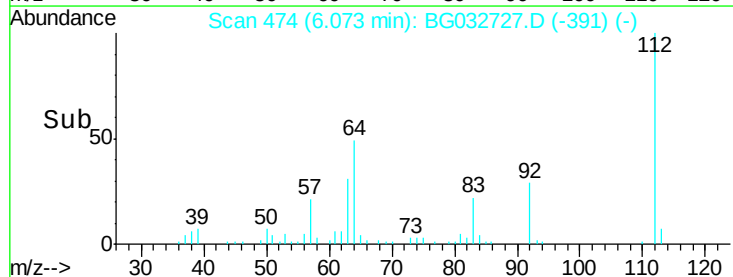
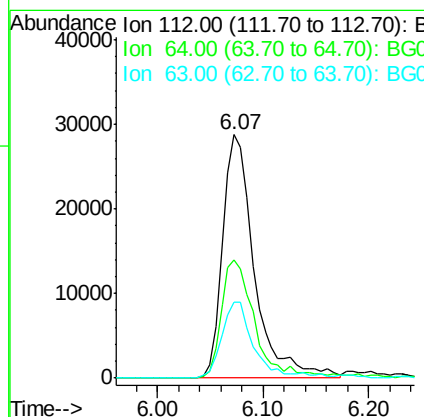
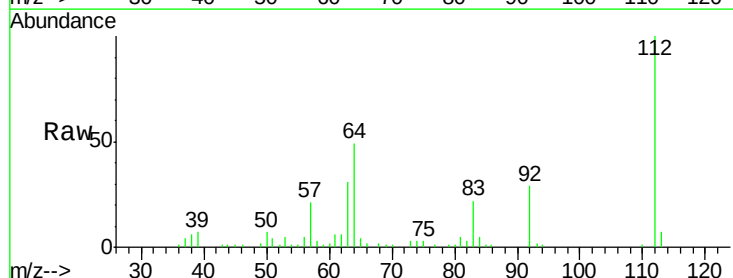
Tot Ion	Ratio	Lower	Upper
152	100		
150	166.7	126.6	189.8
115	54.5	53.0	79.4

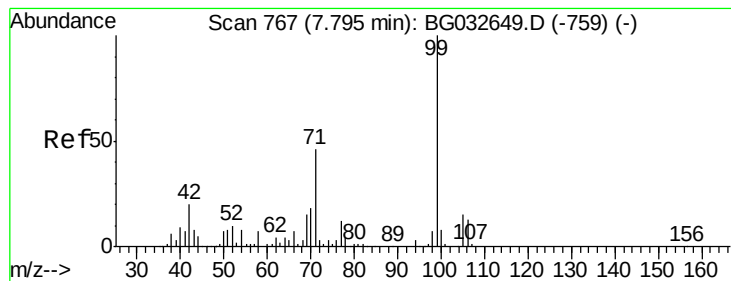


#5

2-Fluorophenol
Concen: 55.46 ng
RT: 6.07 min Scan# 474
Delta R.T. -0.04 min
Lab File: BG032727.D
Acq: 15 Feb 2018 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.6	56.3	84.5#
63	31.3	30.1	45.1





#7

Phenol-d6

Concen: 31.92 ng

RT: 7.75 min Scan# 759

Delta R.T. -0.05 min

Lab File: BG032727.D

Acq: 15 Feb 2018 23:34

Instrument :

BNA_F

ClientSampled :

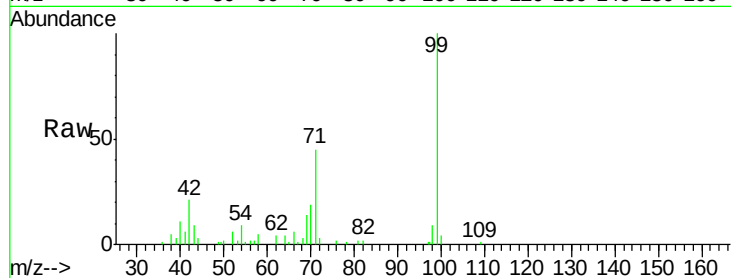
Tot Ion: 99 Resp: 47468

Ion Ratio Lower Upper

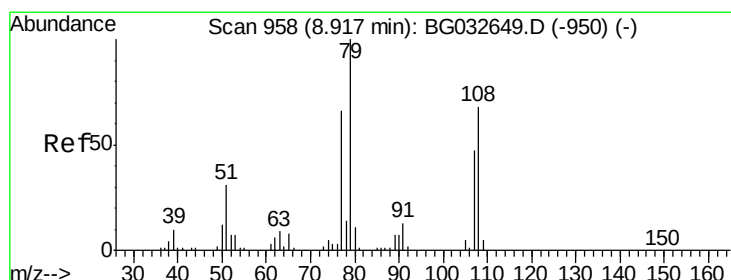
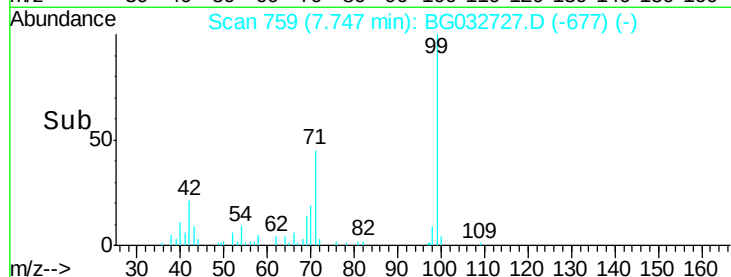
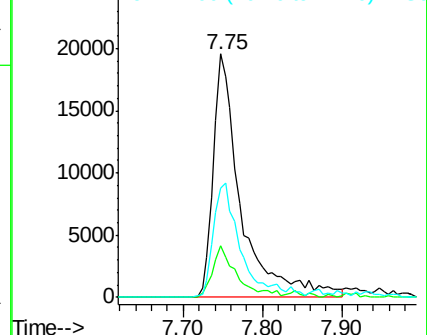
99 100

42 21.0 14.1 21.1

71 44.7 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: 2.84 ng

RT: 8.96 min Scan# 966

Delta R.T. 0.05 min

Lab File: BG032727.D

Acq: 15 Feb 2018 23:34

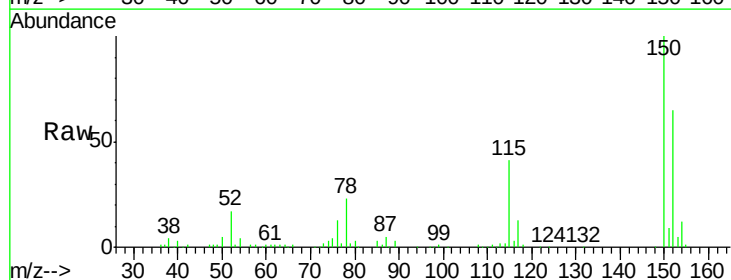
Tgt Ion: 79 Resp: 3169

Ion Ratio Lower Upper

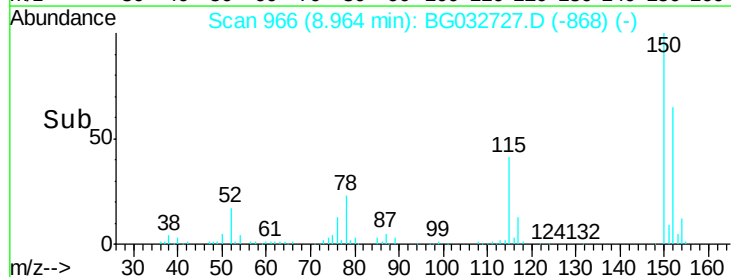
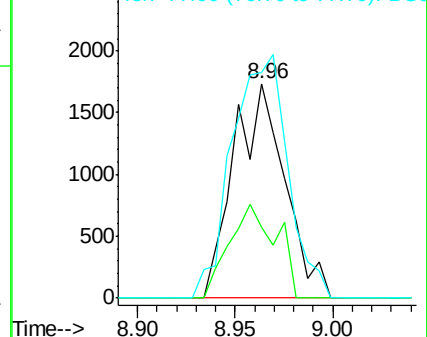
79 100

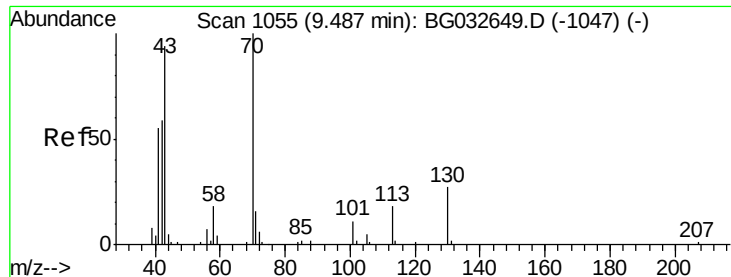
108 33.3 57.2 85.8#

77 105.5 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

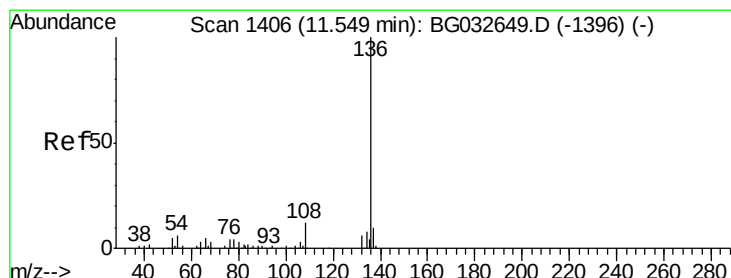
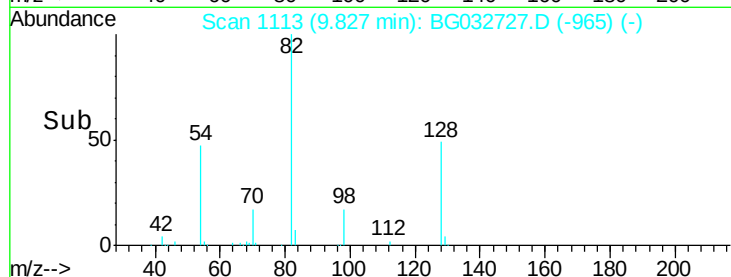
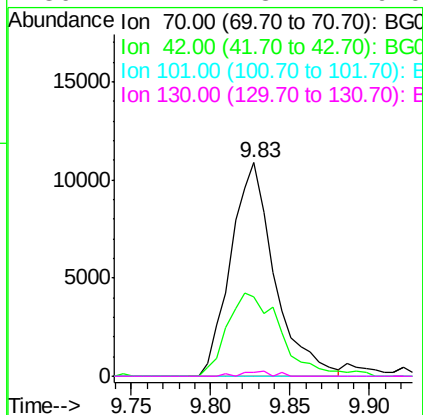
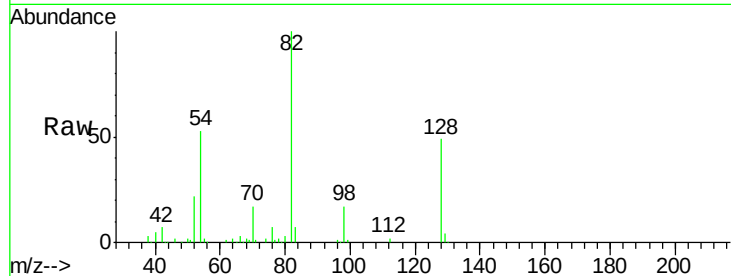




#19
n-Nitroso-di-n-propylamine
Concen: 20.86 ng
RT: 9.83 min Scan# 1113
Delta R.T. 0.34 min
Lab File: BG032727.D
Acq: 15 Feb 2018 23:34

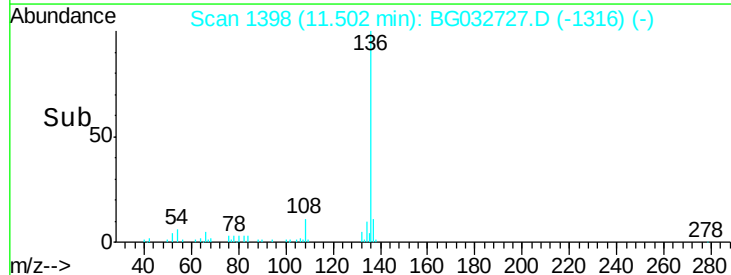
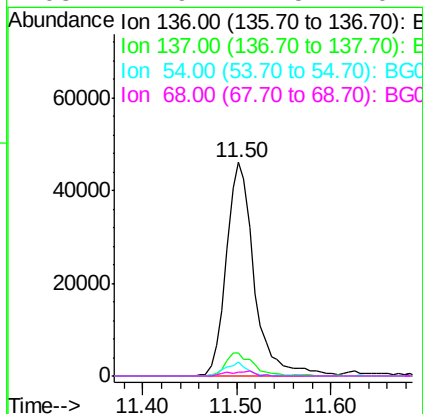
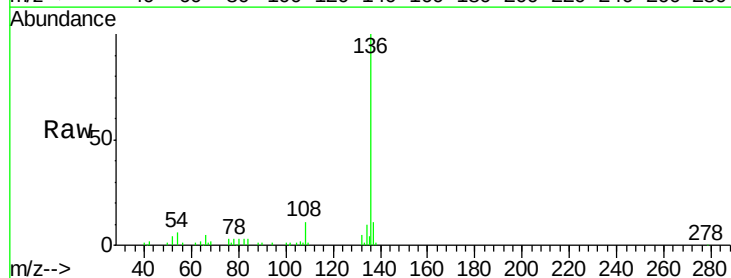
Instrument :
BNA_F
ClientSampleId :

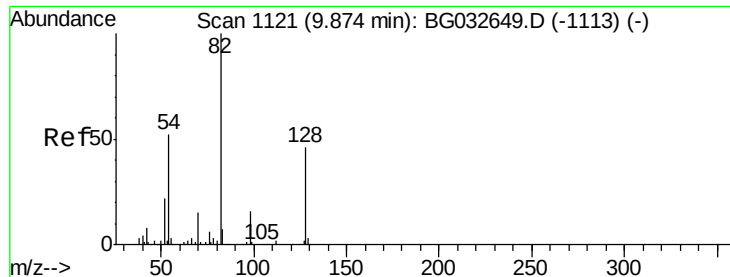
Tot Ion: 70 Resp: 20850
Ion Ratio Lower Upper
70 100
42 37.4 49.1 73.7#
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.50 min Scan# 1398
Delta R.T. -0.05 min
Lab File: BG032727.D
Acq: 15 Feb 2018 23:34

Tgt Ion: 136 Resp: 94810
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 6.4 10.3 15.5#
68 1.9 4.5 6.7#

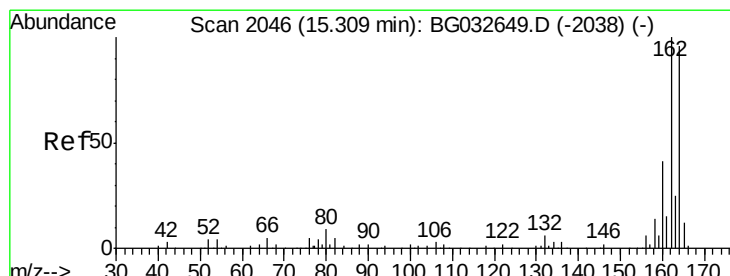
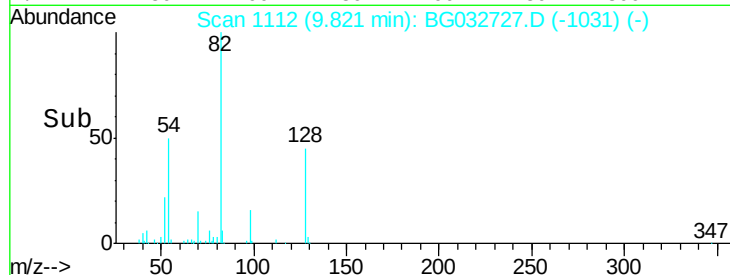
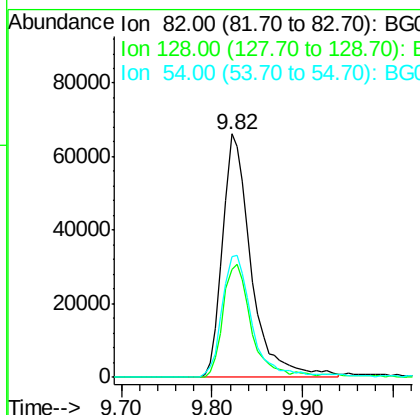
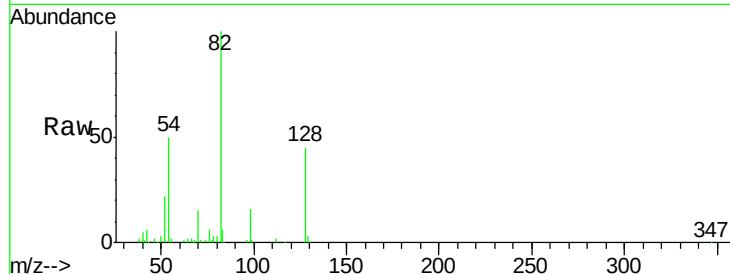




#23
 Nitrobenzene-d5
 Concen: 97.40 ng
 RT: 9.82 min Scan# 1112
 Delta R.T. -0.05 min
 Lab File: BG032727.D
 Acq: 15 Feb 2018 23:34

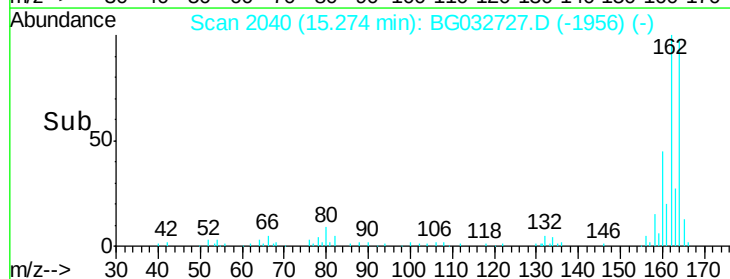
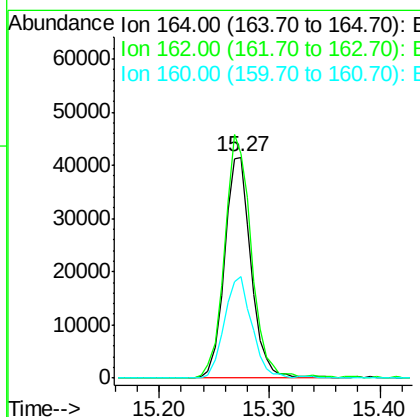
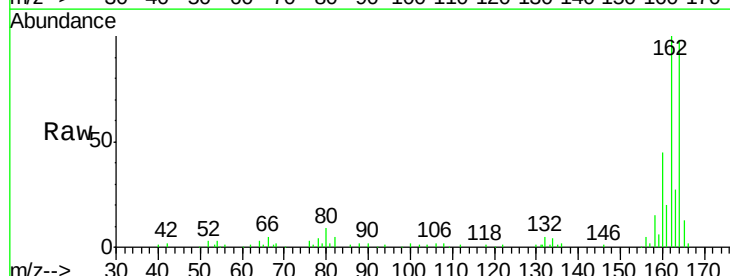
Instrument :
 BNA_F
 ClientSampled :

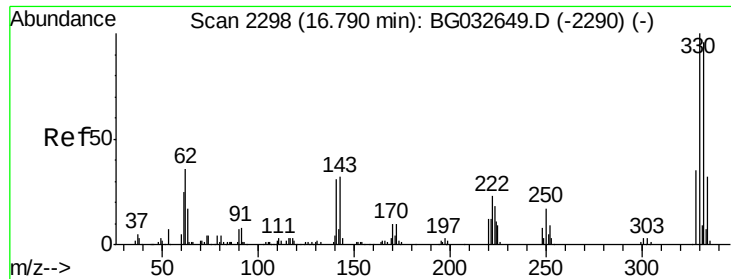
Tot Ion	82	Resp	145295
Ion Ratio	Lower	Upper	
82	100		
128	44.6	29.7	44.5#
54	49.5	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.27 min Scan# 2040
 Delta R.T. -0.04 min
 Lab File: BG032727.D
 Acq: 15 Feb 2018 23:34

Tgt Ion	164	Resp	69753
Ion Ratio	Lower	Upper	
164	100		
162	101.7	78.8	118.2
160	46.2	35.4	53.0

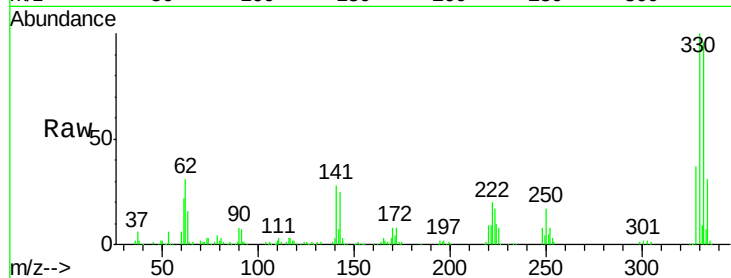




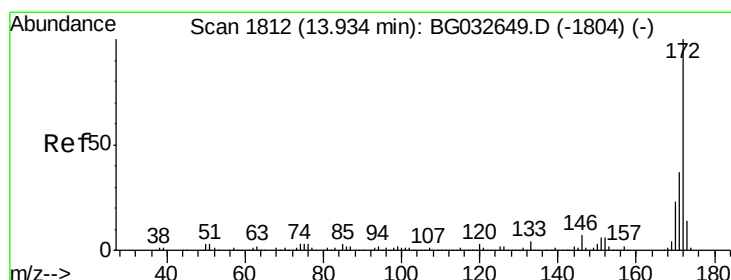
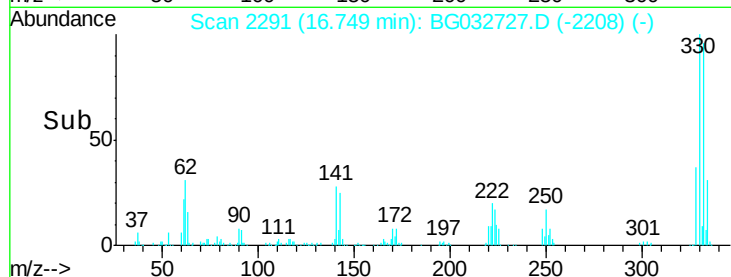
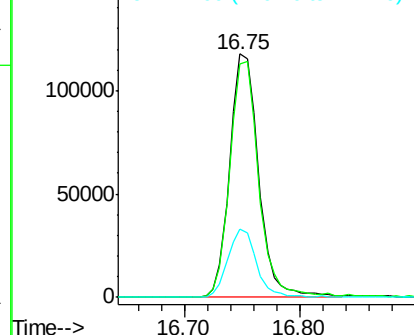
#41
 2,4,6-Tribromophenol
 Concen: 191.55 ng
 RT: 16.75 min Scan# 2291
 Delta R.T. -0.04 min
 Lab File: BG032727.D
 Acq: 15 Feb 2018 23:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	27.7	25.2	37.8

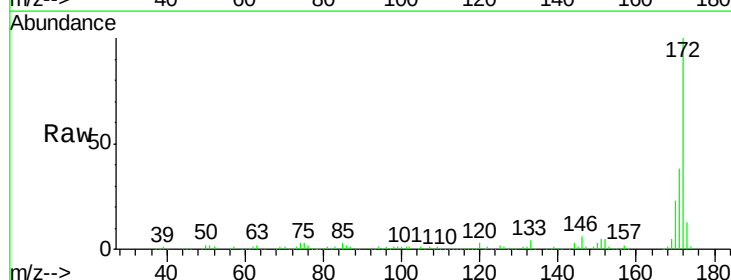


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

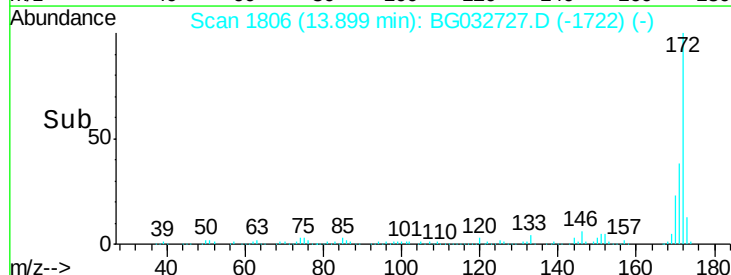
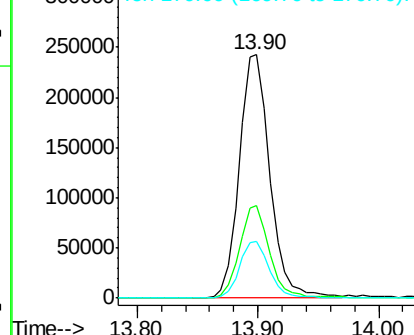


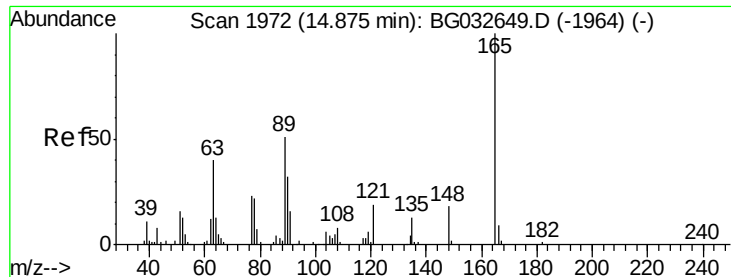
#44
 2-Fluorobiphenyl
 Concen: 77.11 ng
 RT: 13.90 min Scan# 1806
 Delta R.T. -0.04 min
 Lab File: BG032727.D
 Acq: 15 Feb 2018 23:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	23.3	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

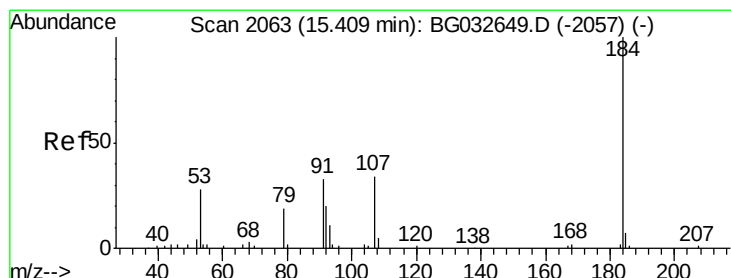
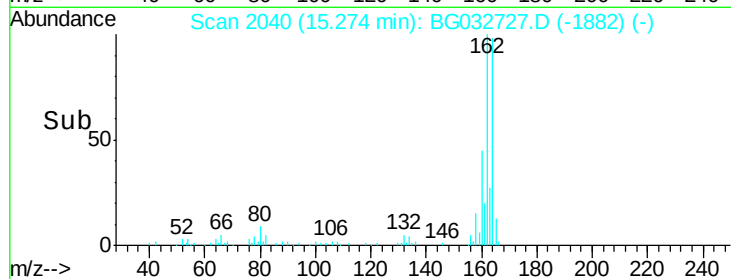
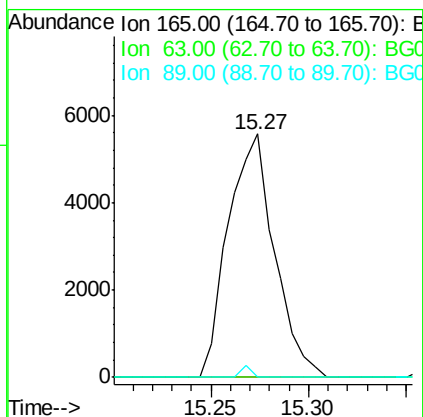
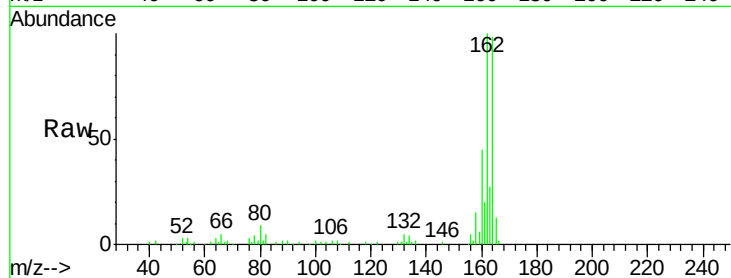




#50
 2,6-Dinitrotoluene
 Concen: 7.35 ng
 RT: 15.27 min Scan# 2040
 Delta R.T. 0.40 min
 Lab File: BG032727.D
 Acq: 15 Feb 2018 23:34

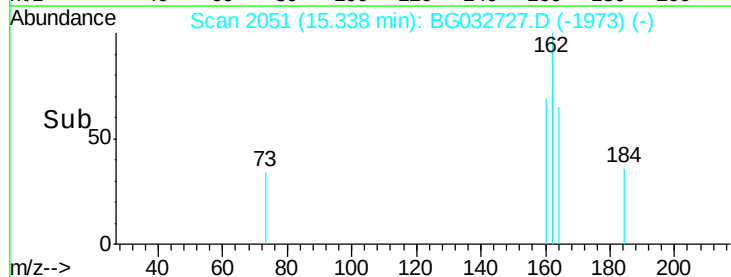
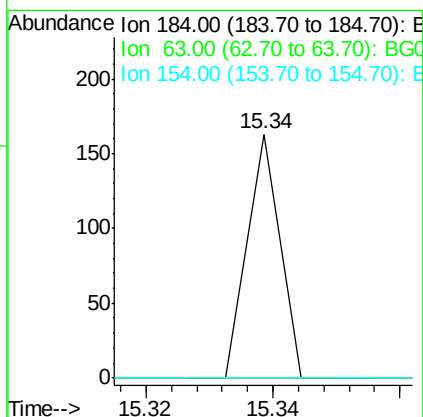
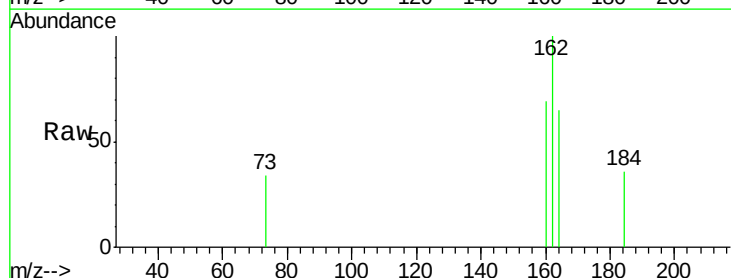
Instrument :
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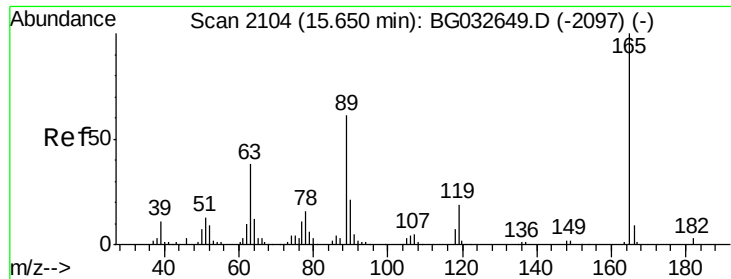
Tot Ion:165 Resp: 9130
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 11.53 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.07 min
 Lab File: BG032727.D
 Acq: 15 Feb 2018 23:34

Tgt Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

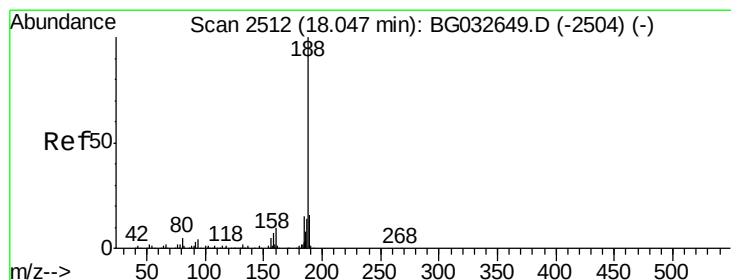
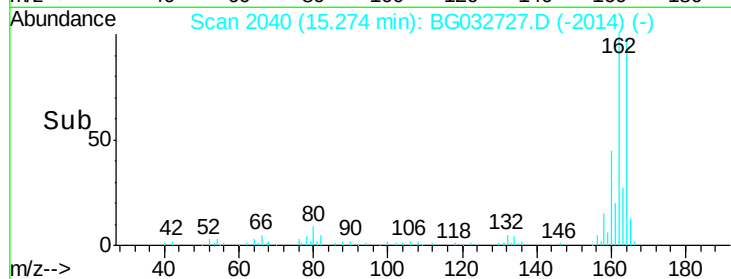
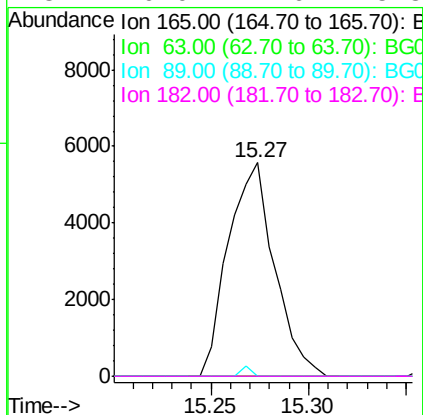
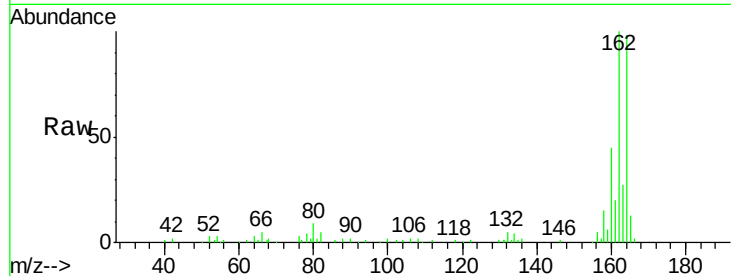




#56
 2,4-Dinitrotoluene
 Concen: 5.34 ng
 RT: 15.27 min Scan# 2040
 Delta R.T. -0.38 min
 Lab File: BG032727.D
 Acq: 15 Feb 2018 23:34

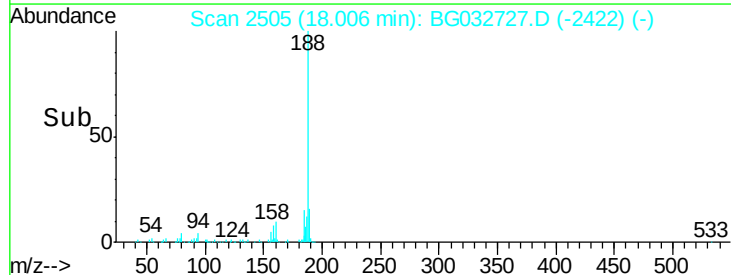
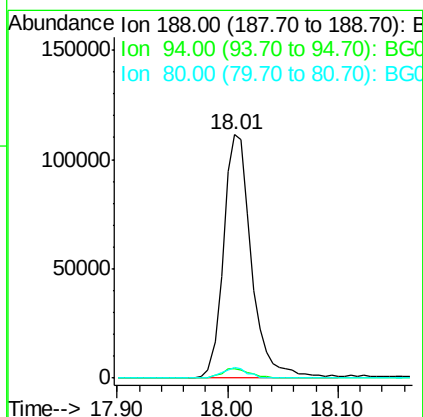
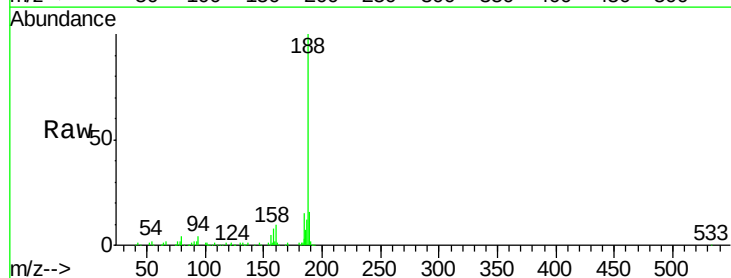
Instrument :
 BNA_F
 ClientSampleId :

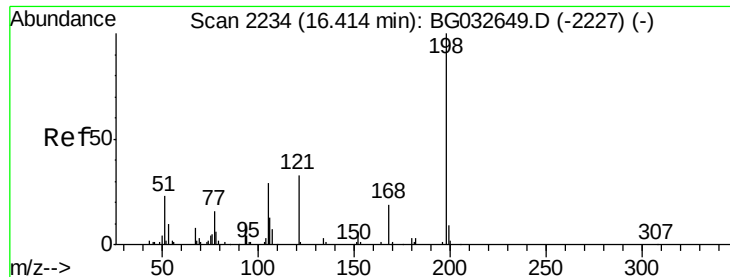
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.01 min Scan# 2505
 Delta R.T. -0.04 min
 Lab File: BG032727.D
 Acq: 15 Feb 2018 23:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.8	6.9	10.3#
80	4.3	7.7	11.5#

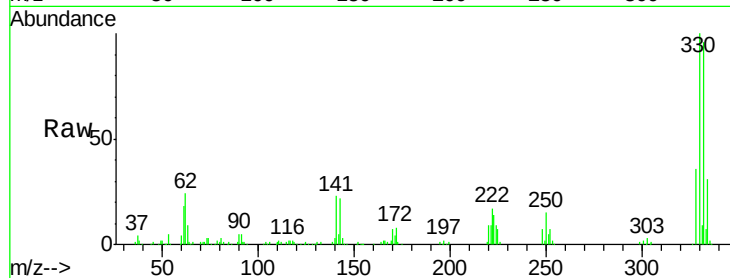




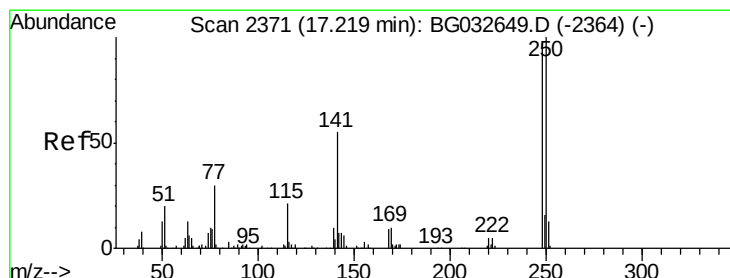
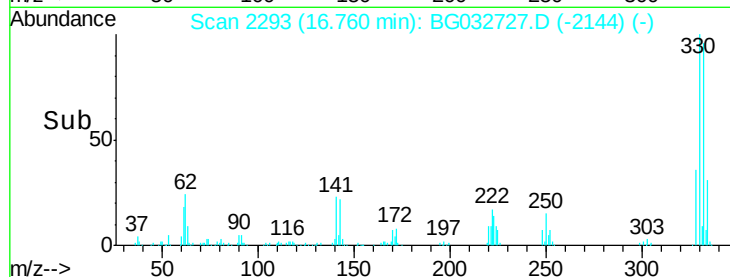
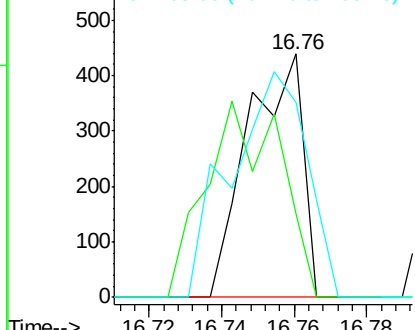
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.31 ng
 RT: 16.76 min Scan# 2293
 Delta R.T. 0.35 min
 Lab File: BG032727.D
 Acq: 15 Feb 2018 23:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 460
 Ion Ratio Lower Upper
 198 100
 51 34.4 30.6 70.6
 105 80.4 23.8 63.8#

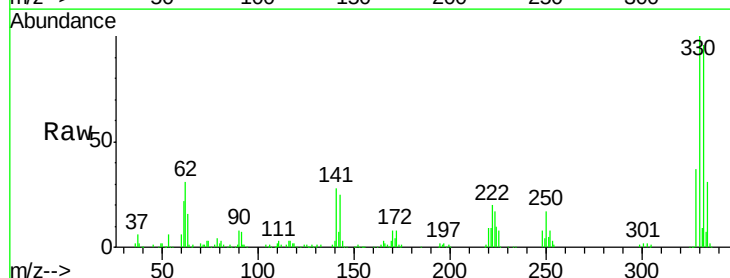


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

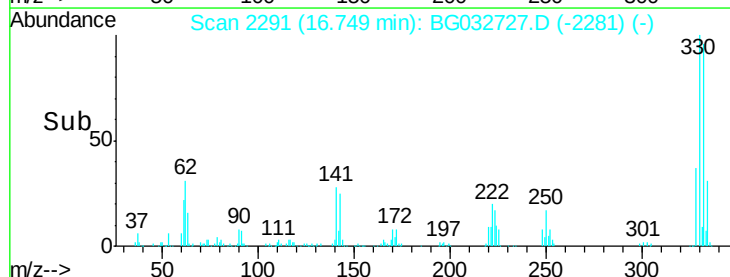
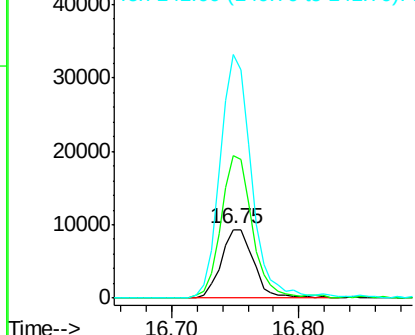


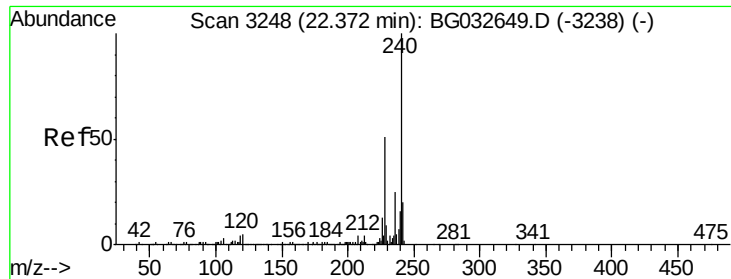
#66
 4-Bromophenyl-phenylether
 Concen: 5.81 ng
 RT: 16.75 min Scan# 2291
 Delta R.T. -0.47 min
 Lab File: BG032727.D
 Acq: 15 Feb 2018 23:34

Tgt Ion:248 Resp: 16453
 Ion Ratio Lower Upper
 248 100
 250 208.4 77.1 115.7#
 141 354.6 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: 22.32 min Scan# 3240

Delta R.T. -0.05 min

Lab File: BG032727.D

Acq: 15 Feb 2018 23:34

Instrument :

BNA_F

ClientSampleId :

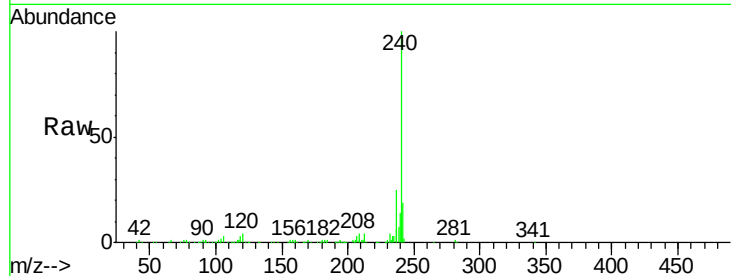
Tot Ion:240 Resp: 190919

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

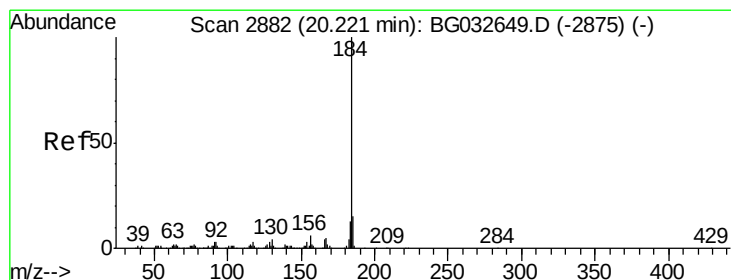
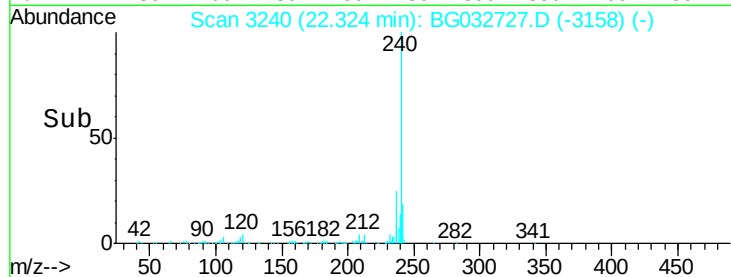
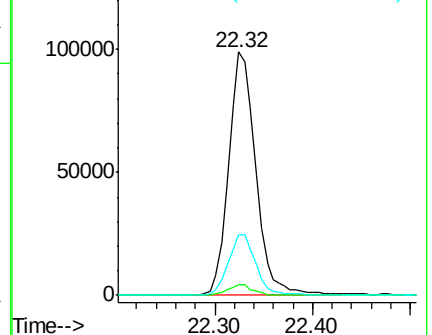
236 24.9 20.9 31.3



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: 2.92 ng

RT: 20.56 min Scan# 2939

Delta R.T. 0.33 min

Lab File: BG032727.D

Acq: 15 Feb 2018 23:34

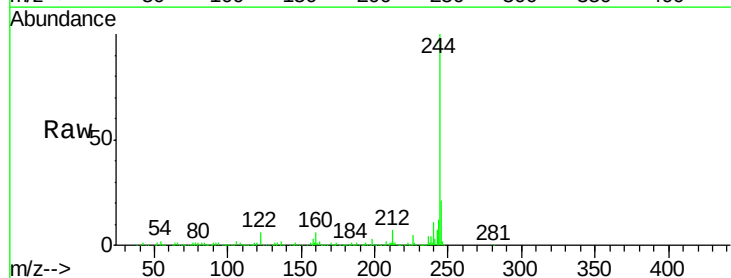
Tgt Ion:184 Resp: 13124

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

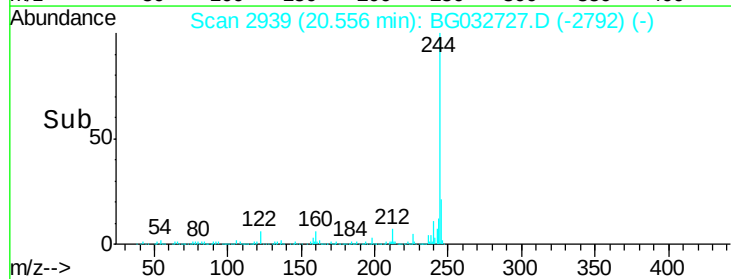
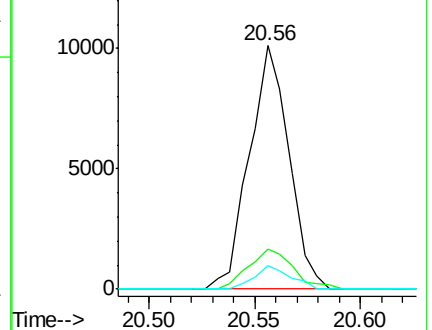
183 9.6 10.6 16.0#

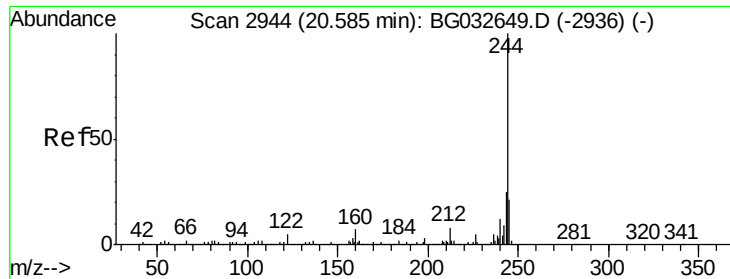


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 114.88 ng

RT: 20.56 min Scan# 2939

Delta R.T. -0.03 min

Lab File: BG032727.D

Acq: 15 Feb 2018 23:34

Instrument :

BNA_F

ClientSampleId :

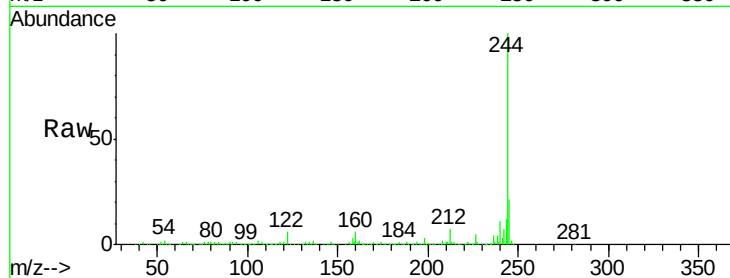
Tot Ion:244 Resp: 962331

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

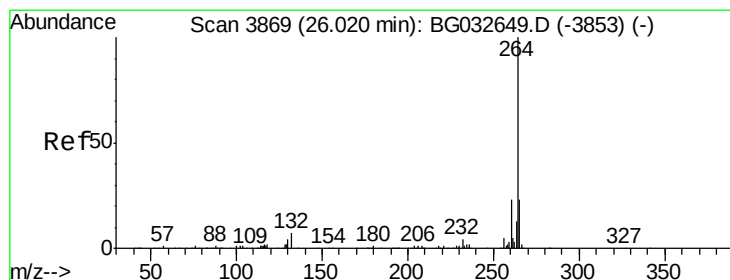
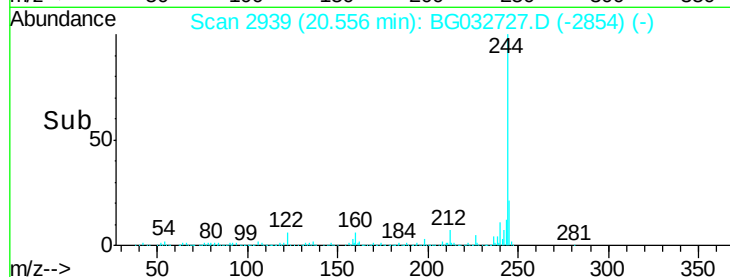
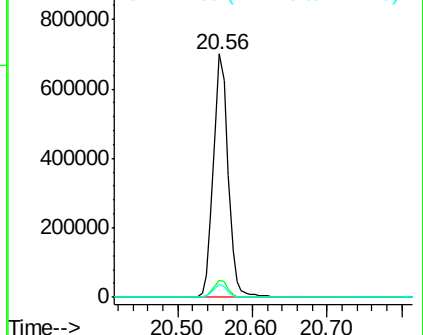
122 5.7 7.0 10.4#



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

Perylene-d12

Concen: 20.00 ng

RT: 25.94 min Scan# 3856

Delta R.T. -0.08 min

Lab File: BG032727.D

Acq: 15 Feb 2018 23:34

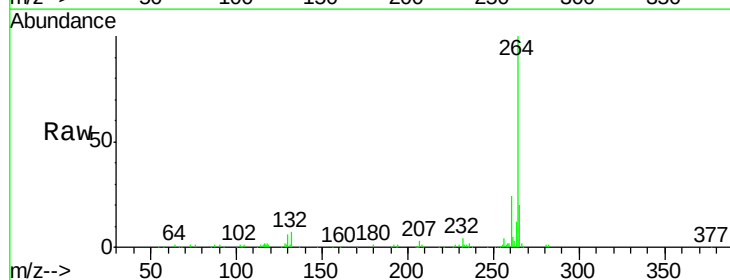
Tgt Ion:264 Resp: 212433

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 19.7 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

