

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032872.D
 Acq On : 28 Feb 2018 2:46
 Operator : SJ/JU
 Sample : J1397-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 06:04:55 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

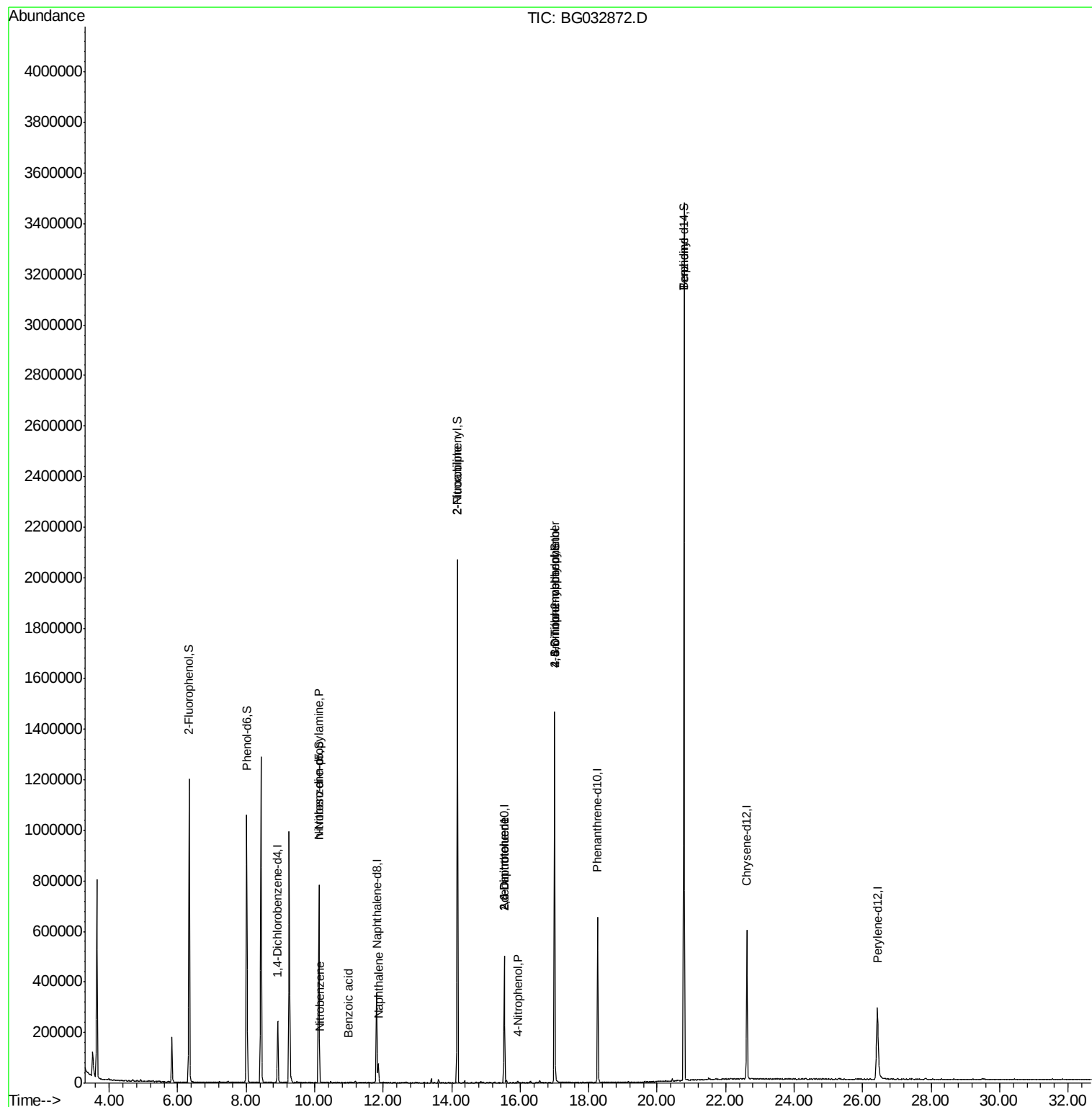
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	74663	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	319794	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	179707	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	401528	20.00	ng	0.00
75) Chrysene-d12	22.62	240	371070	20.00	ng	-0.01
86) Perylene-d12	26.43	264	376636	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	590943	126.63	ng	0.00
7) Phenol-d6	8.01	99	693669	106.64	ng	0.00
23) Nitrobenzene-d5	10.12	82	500459	105.85	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	260303	137.76	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1074798	86.26	ng	0.00
78) Terphenyl-d14	20.78	244	1551552	93.94	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	64816	14.11	ng	# 79
24) Nitrobenzene	10.16	77	78	6.39	ng	# 42
31) Naphthalene	11.86	128	68527	4.10	ng	# 99
32) Benzoic acid	10.98	122	61	5.84	ng	# 1
47) 2-Nitroaniline	14.16	65	2126	10.41	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	23640	16.52	ng	# 21
55) 4-Nitrophenol	15.92	139	2062	7.83	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23640	14.72	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	840	5.84	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	18643	4.39	ng	# 1
76) Benzidine	20.78	184	26883	2.13	ng	# 94

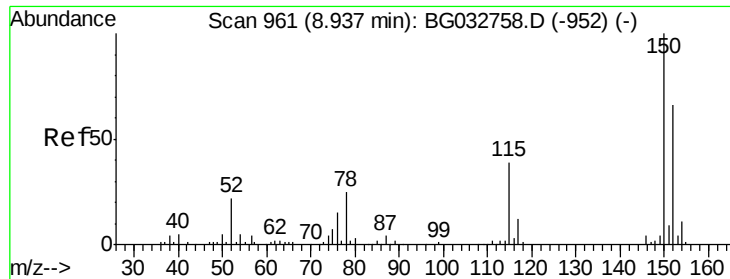
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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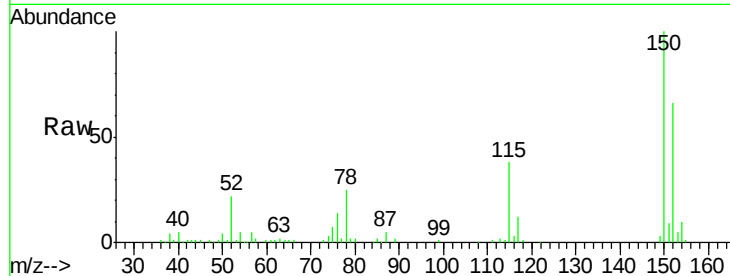


#1

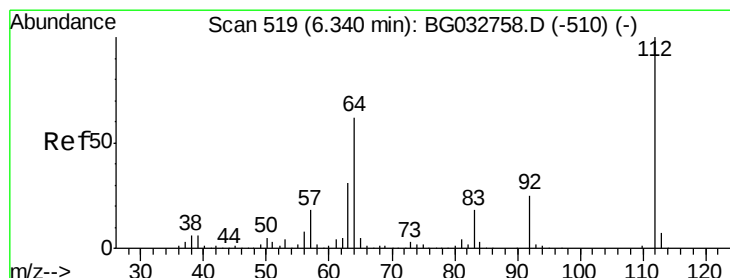
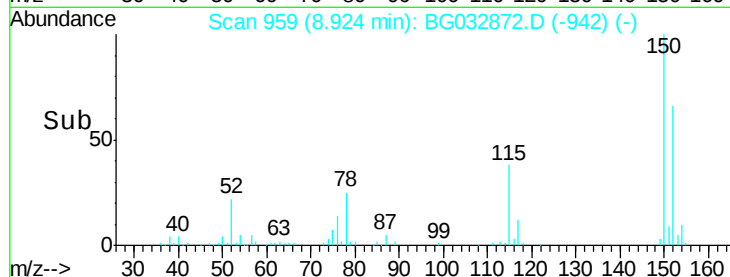
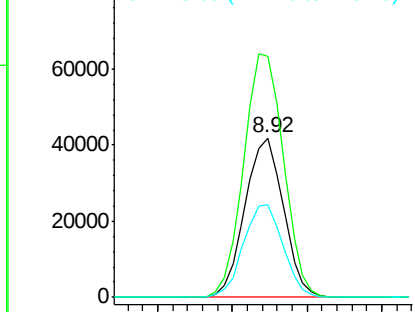
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74663
Ion Ratio Lower Upper
152 100
150 151.7 126.6 189.8
115 58.2 53.0 79.4



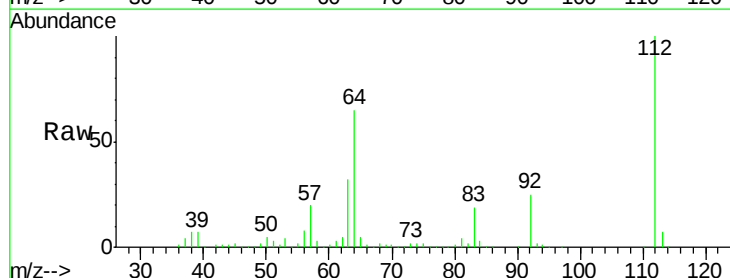
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



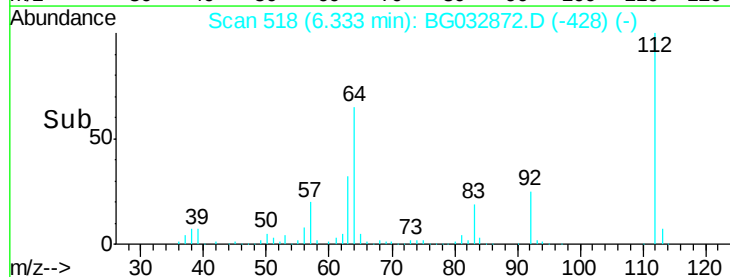
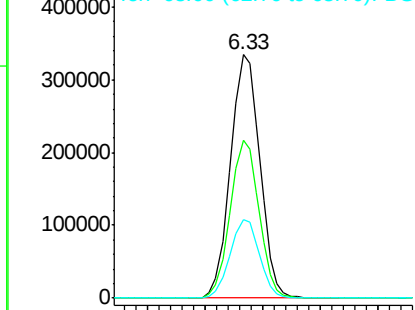
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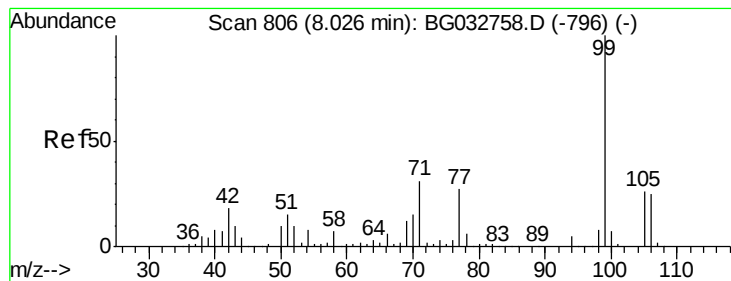
2-Fluorophenol
Concen: 126.63 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Tgt Ion:112 Resp: 590943
Ion Ratio Lower Upper
112 100
64 65.1 56.3 84.5
63 32.2 30.1 45.1



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: 106.64 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032872.D

Acq: 28 Feb 2018 2:46

Instrument :

BNA_F

ClientSampled :

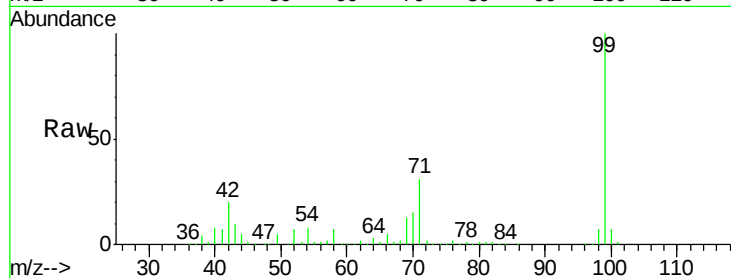
Tot Ion: 99 Resp: 693669

Ion Ratio Lower Upper

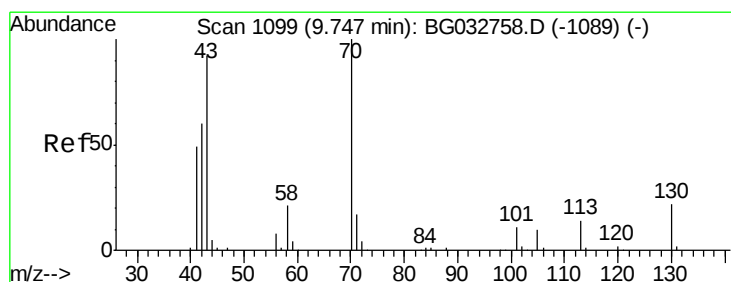
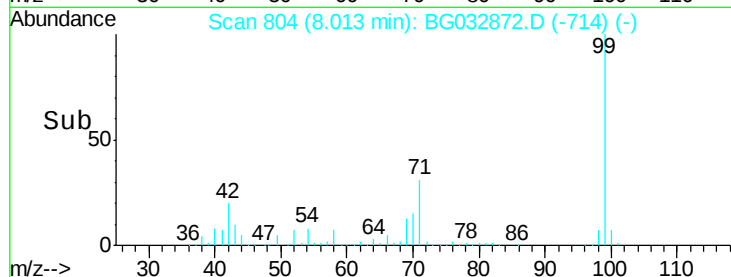
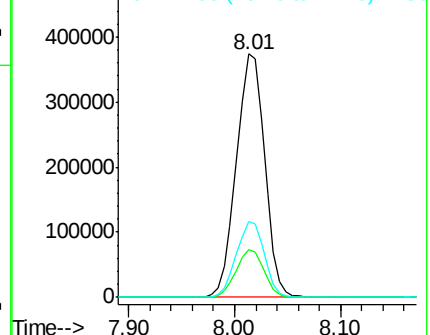
99 100

42 19.7 14.1 21.1

71 31.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.11 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032872.D

Acq: 28 Feb 2018 2:46

Tgt Ion: 70 Resp: 64816

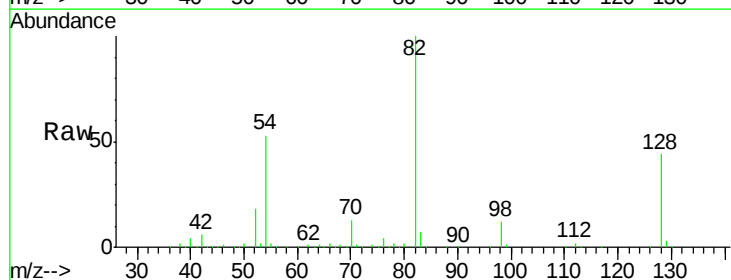
Ion Ratio Lower Upper

70 100

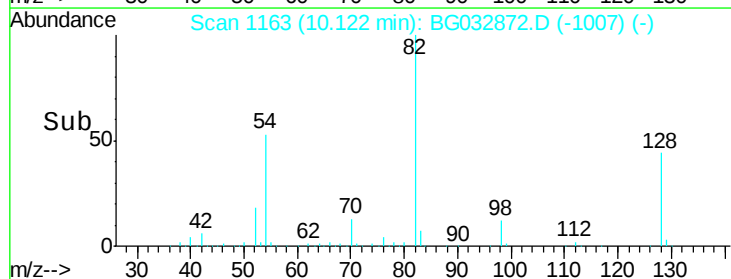
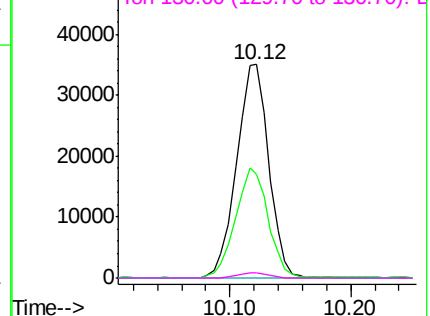
42 48.8 49.1 73.7#

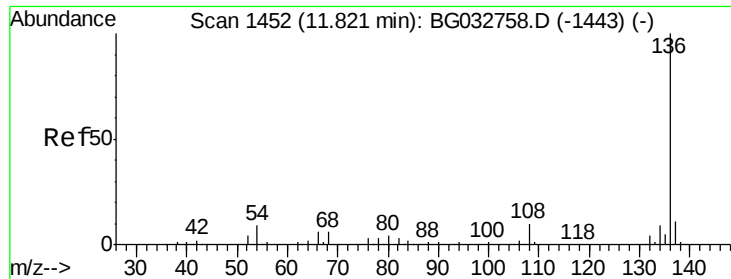
101 0.0 8.5 12.7#

130 2.3 13.4 20.0#



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

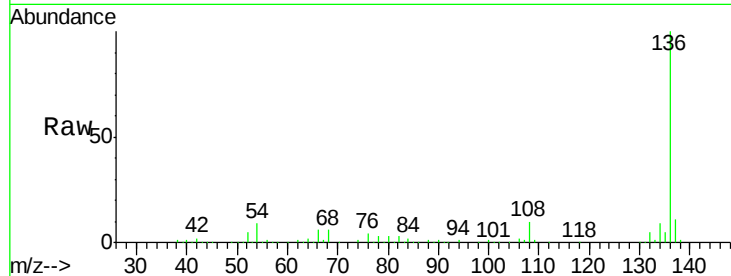




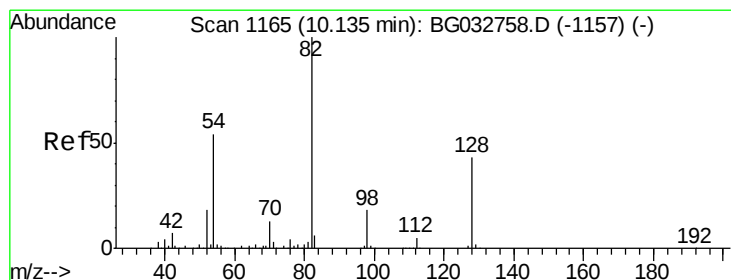
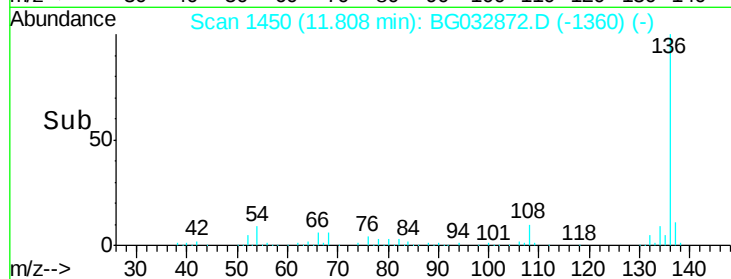
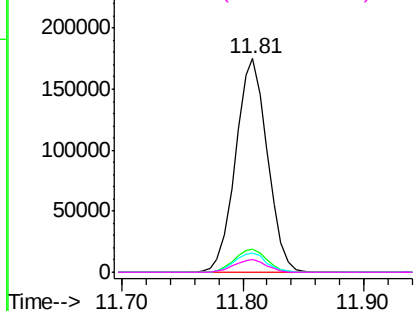
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	319794
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	9.0	10.3	15.5#
68	6.2	4.5	6.7

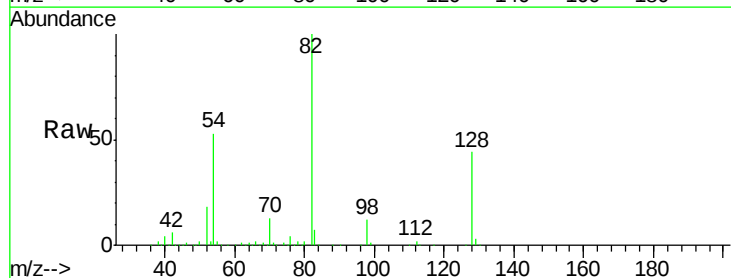


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

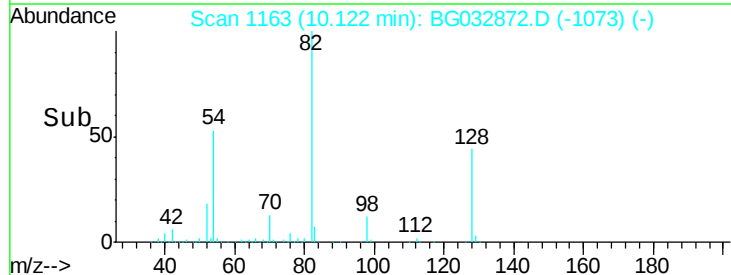
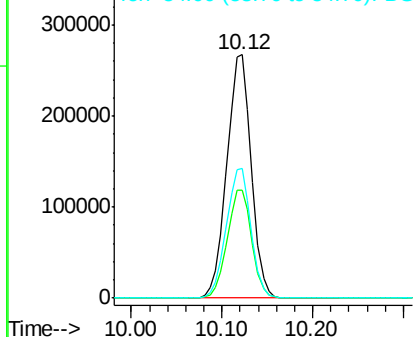


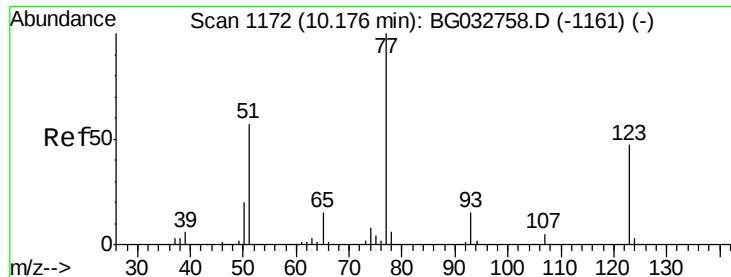
#23
Nitrobenzene-d5
Concen: 105.85 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Tgt Ion:	82	Resp:	500459
Ion	Ratio	Lower	Upper
82	100		
128	44.4	29.7	44.5
54	53.3	43.1	64.7



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

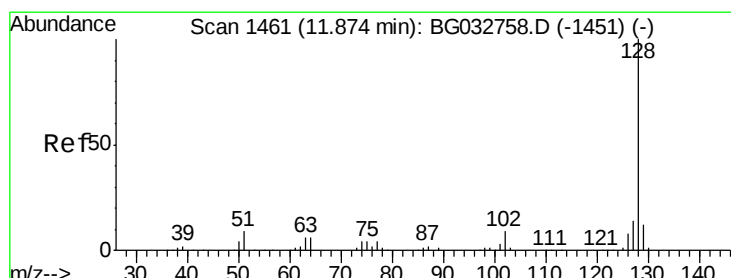
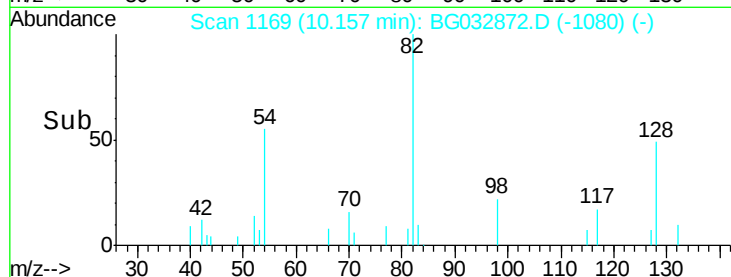
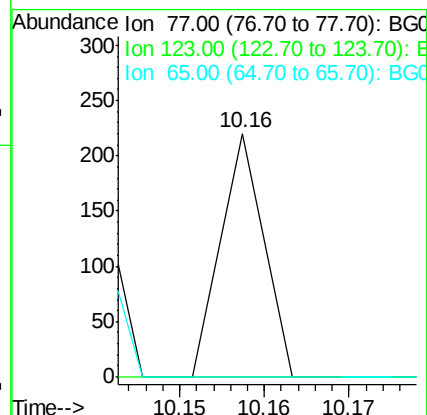
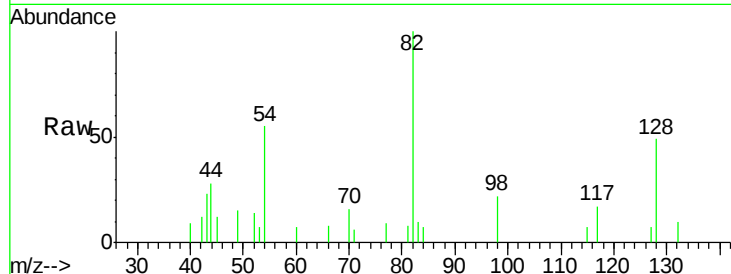




#24
Nitrobenzene
Concen: 6.39 ng
RT: 10.16 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

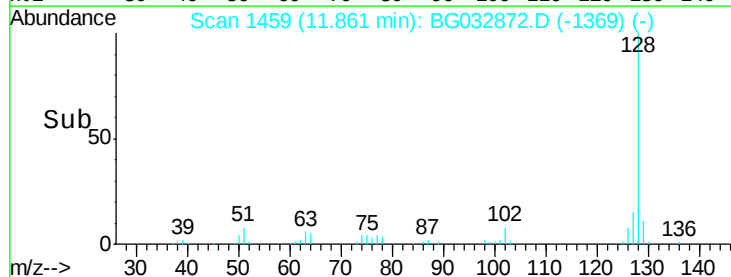
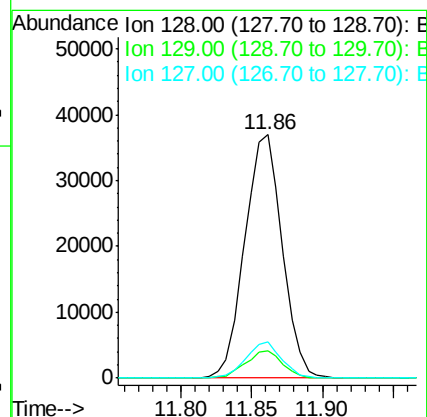
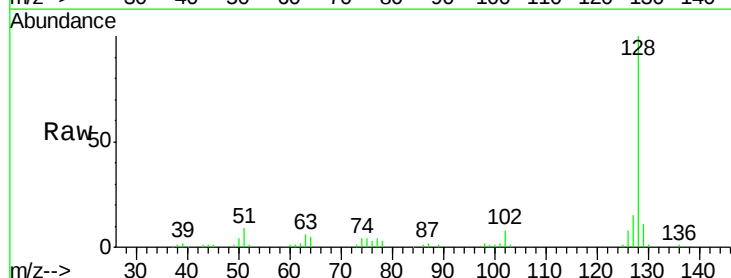
Instrument :
BNA_F
ClientSampled :

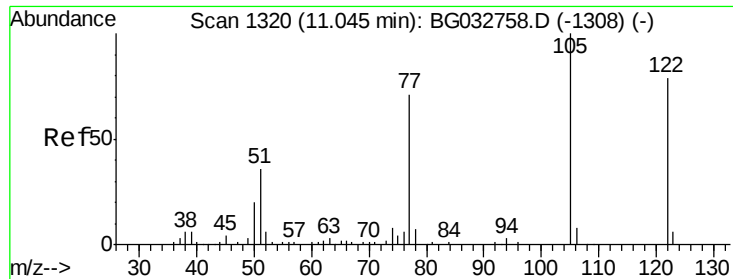
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#



#31
Naphthalene
Concen: 4.10 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.00 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	15.0	11.6	17.4

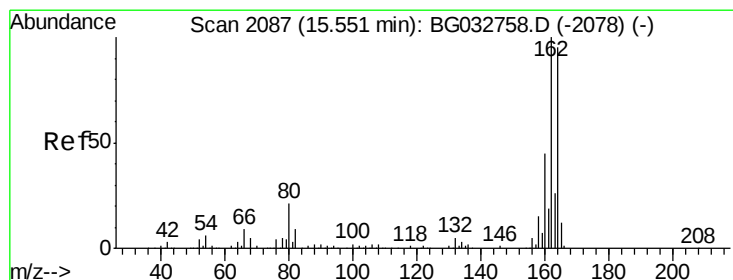
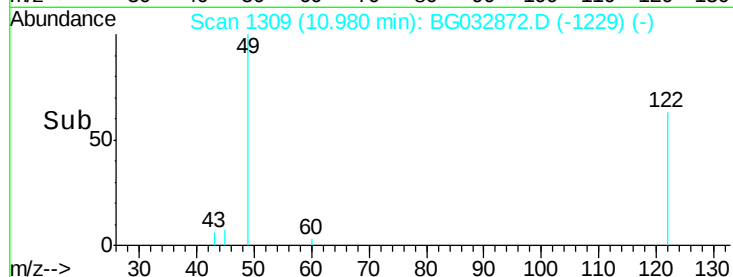
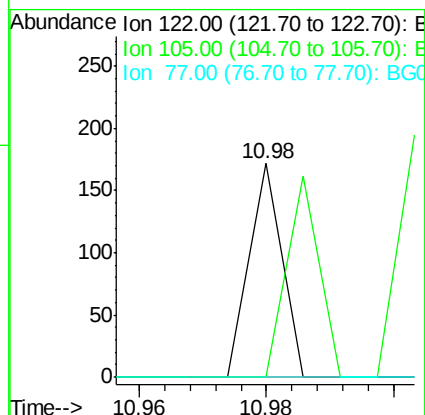
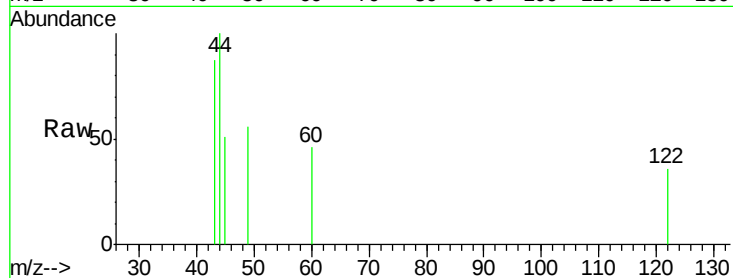




#32
Benzoic acid
Concen: 5.84 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.06 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

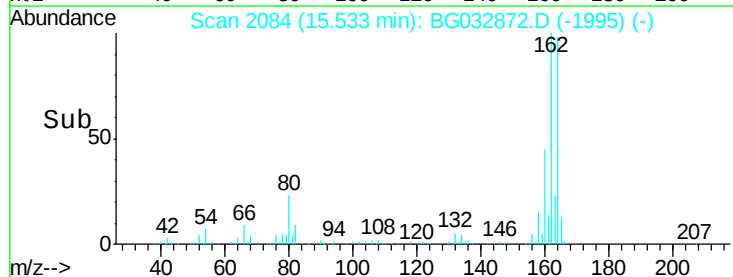
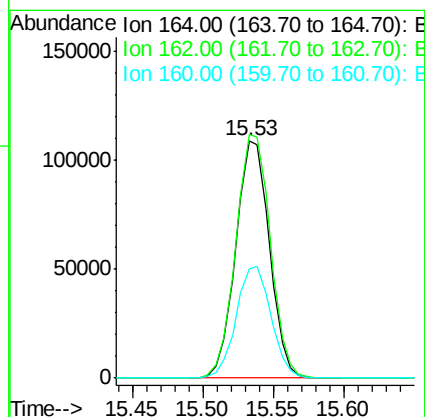
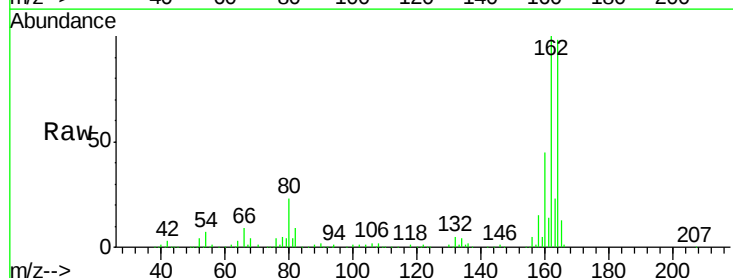
Instrument :
BNA_F
ClientSampled :

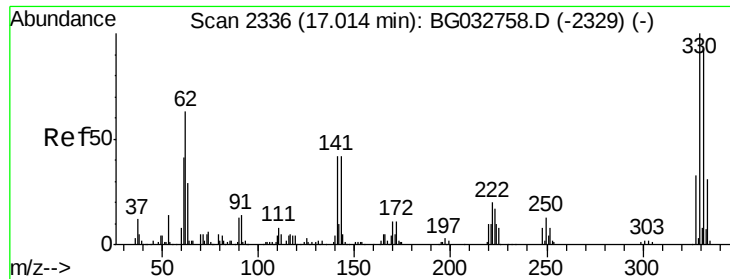
Tot Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Tgt Ion:164 Resp: 179707
Ion Ratio Lower Upper
164 100
162 102.4 78.8 118.2
160 46.1 35.4 53.0

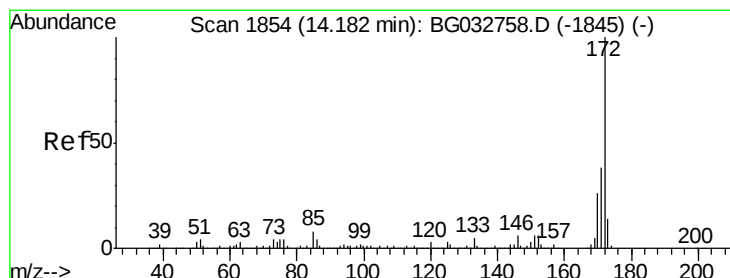
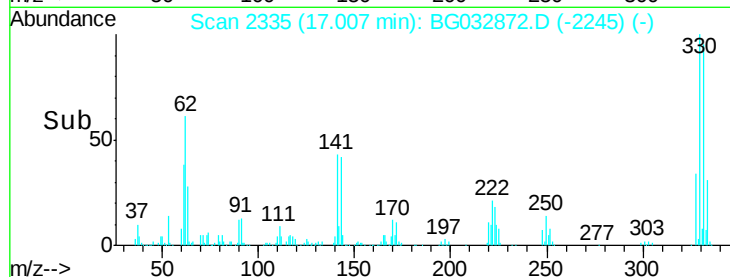
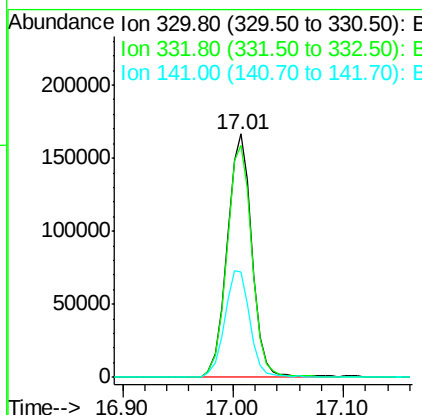
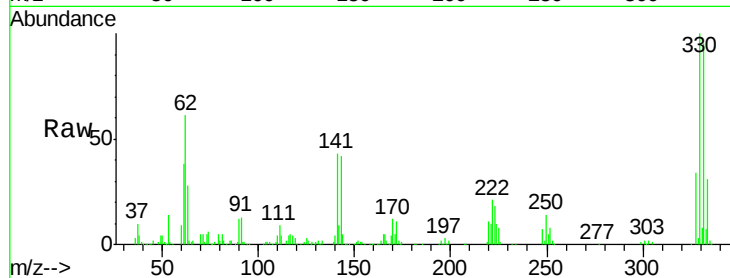




#41
 2,4,6-Tribromophenol
 Concen: 137.76 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: BG032872.D
 Acq: 28 Feb 2018 2:46

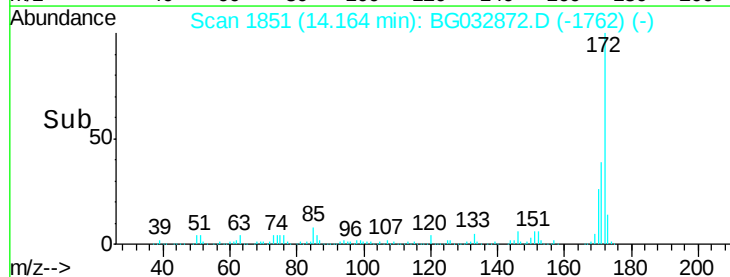
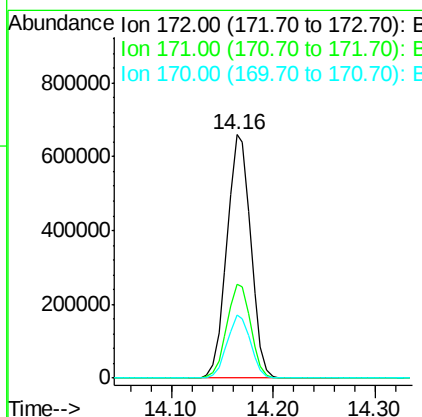
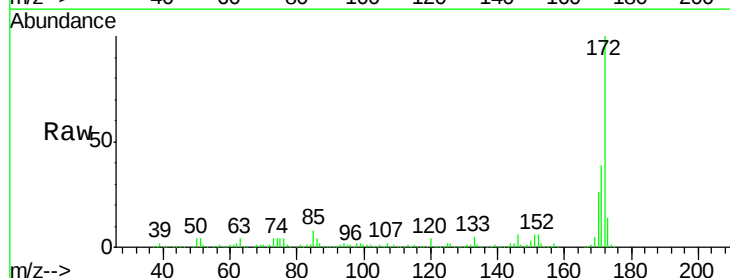
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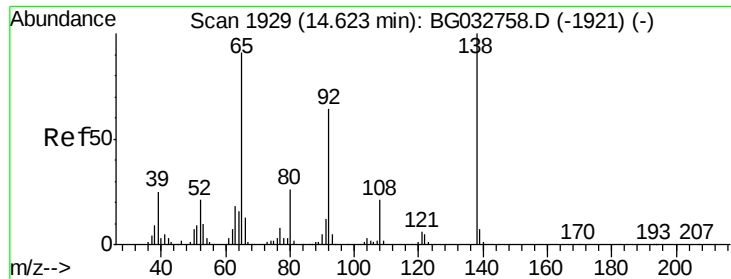
Tot Ion:330 Resp: 260303
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 45.1 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 86.26 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032872.D
 Acq: 28 Feb 2018 2:46

Tgt Ion:172 Resp: 1074798
 Ion Ratio Lower Upper
 172 100
 171 38.7 30.0 45.0
 170 25.7 19.5 29.3

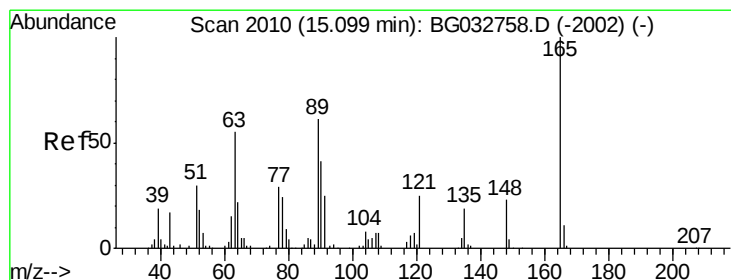
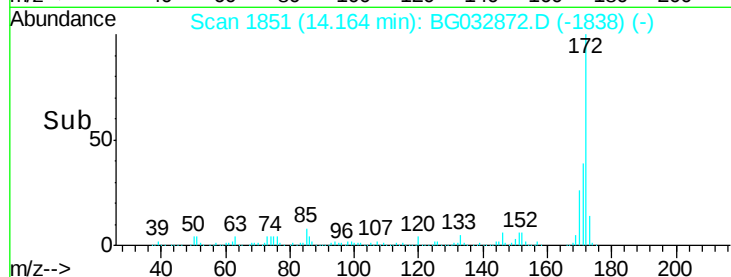
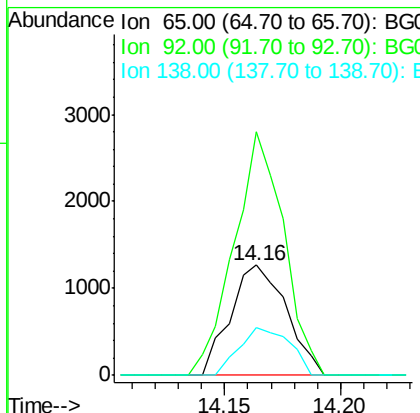
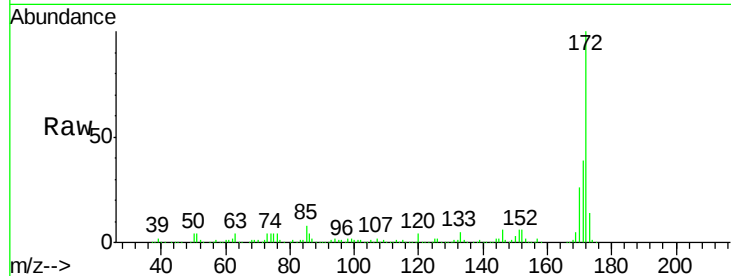




#47
2-Nitroaniline
Concen: 10.41 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.46 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

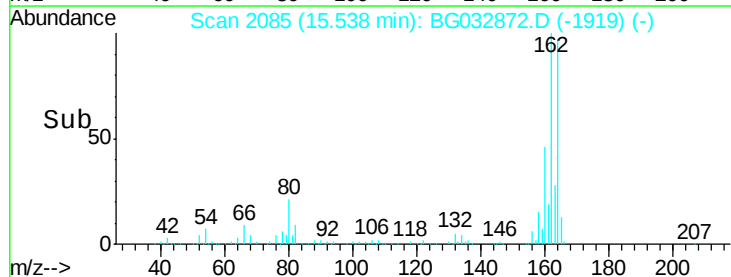
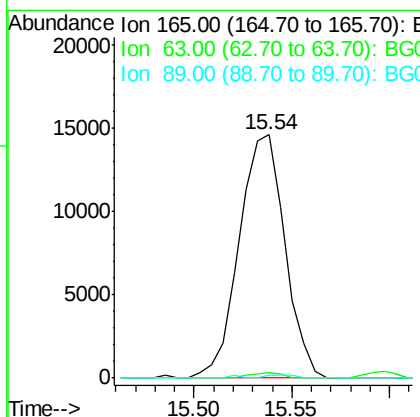
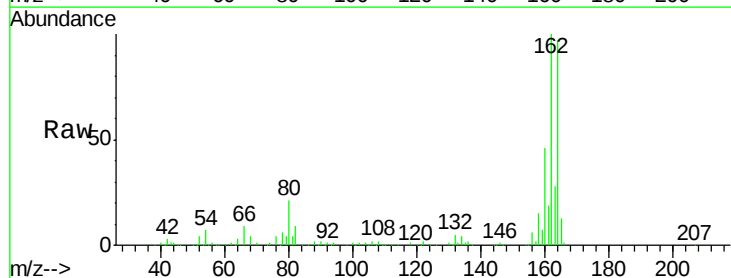
Instrument :
BNA_F
ClientSampleId :

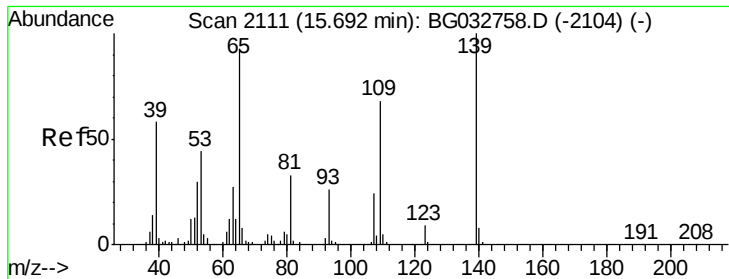
Tot Ion: 65 Resp: 2126
Ion Ratio Lower Upper
65 100
92 220.9 54.6 82.0#
138 43.2 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.52 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Tgt Ion: 165 Resp: 23640
Ion Ratio Lower Upper
165 100
63 2.0 52.7 79.1#
89 1.3 49.2 73.8#

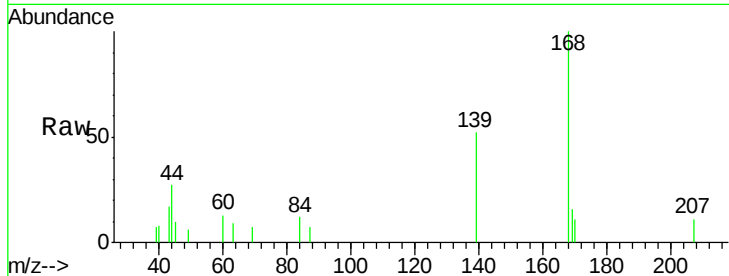




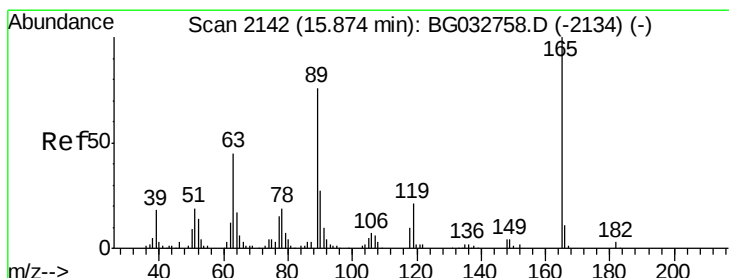
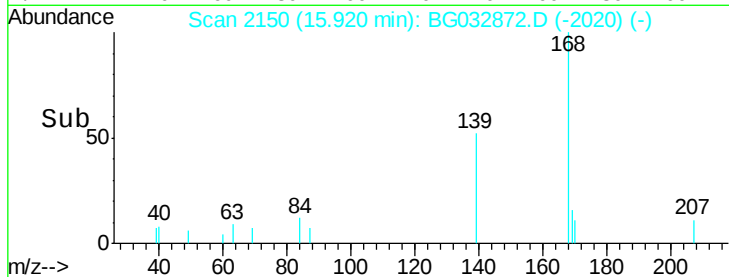
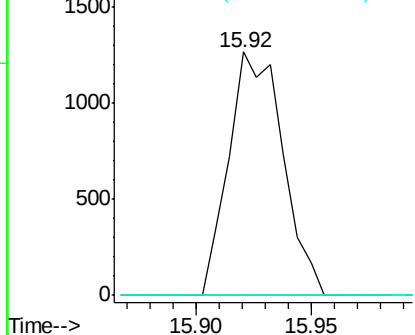
#55
4-Nitrophenol
Concen: 7.83 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.23 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 2062
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

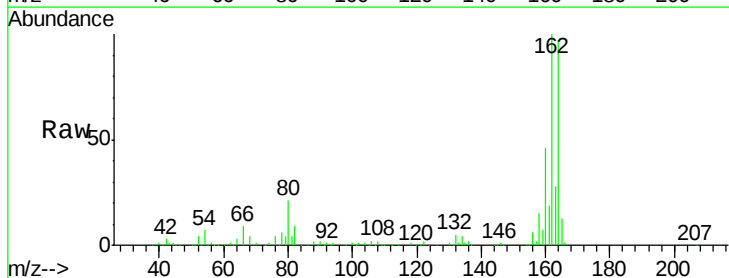


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

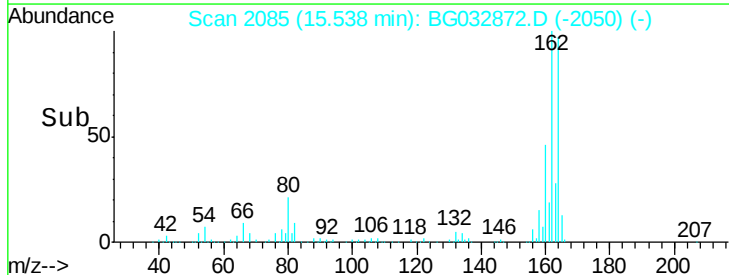
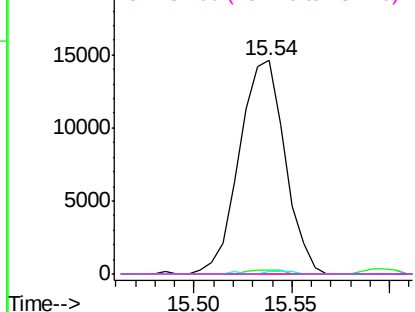


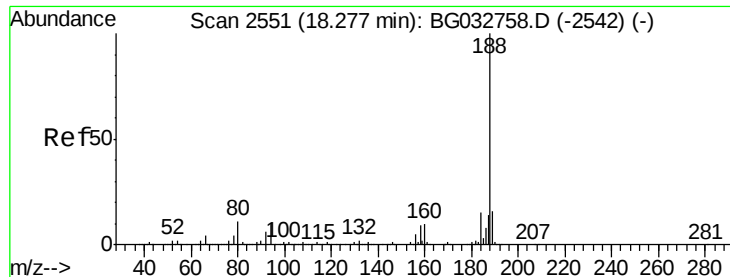
#56
2,4-Dinitrotoluene
Concen: 14.72 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.33 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Tgt Ion:165 Resp: 23640
Ion Ratio Lower Upper
165 100
63 2.0 42.0 63.0#
89 1.3 66.9 100.3#
182 0.0 2.6 3.8#



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

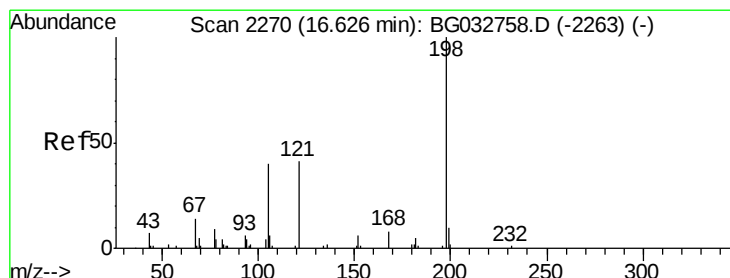
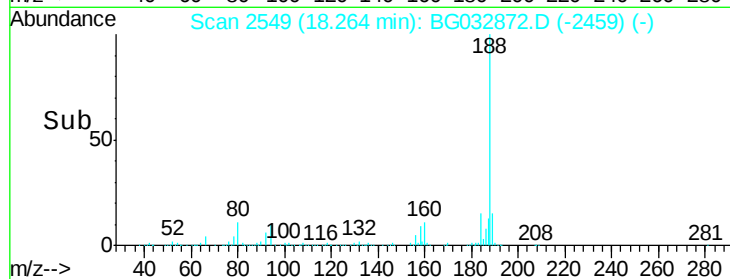
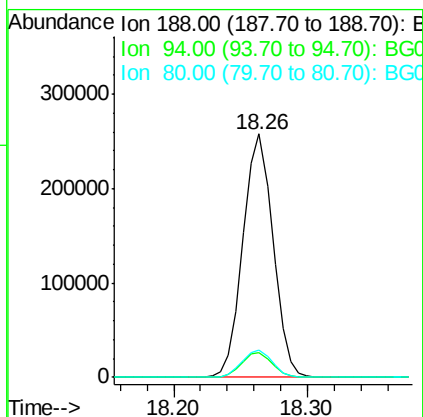
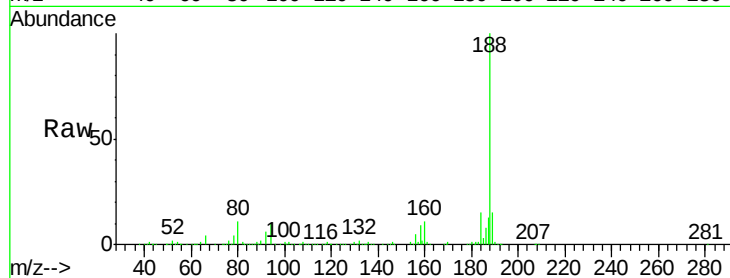




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.26 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

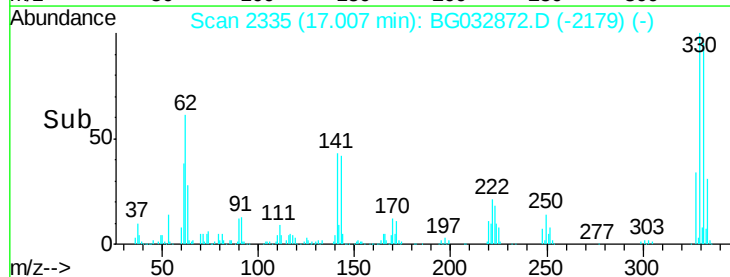
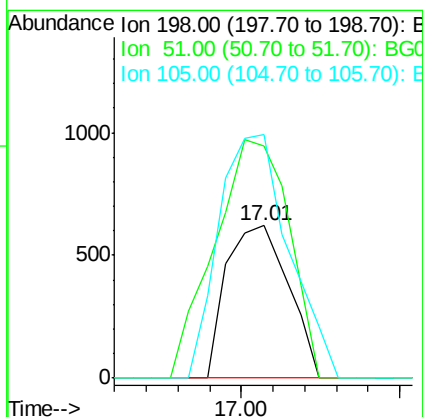
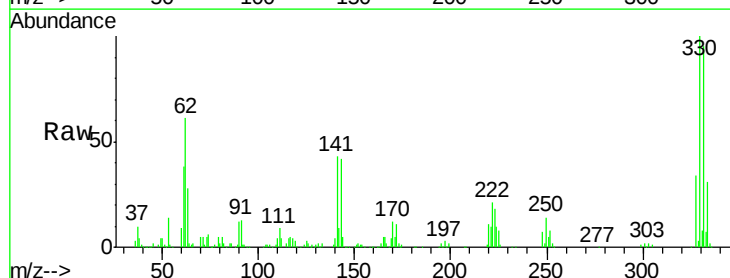
Instrument :
BNA_F
ClientSampleId :

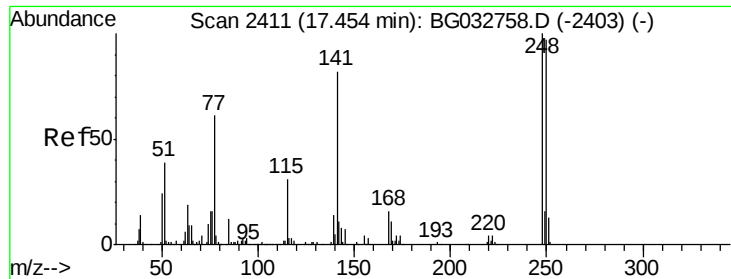
Tot Ion:188 Resp: 401528
Ion Ratio Lower Upper
188 100
94 10.2 6.9 10.3
80 11.0 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.84 ng
RT: 17.01 min Scan# 2335
Delta R.T. 0.38 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Tgt Ion:198 Resp: 840
Ion Ratio Lower Upper
198 100
51 151.8 30.6 70.6#
105 159.5 23.8 63.8#

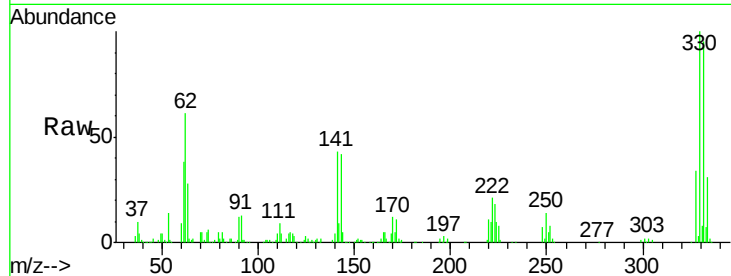




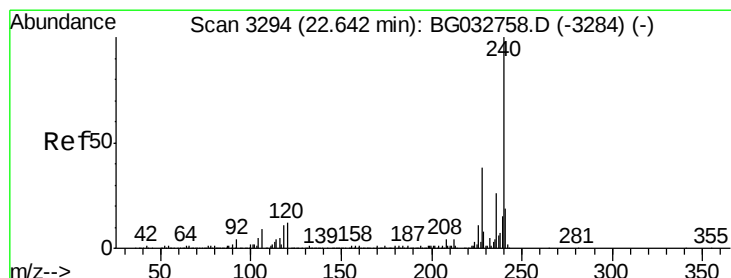
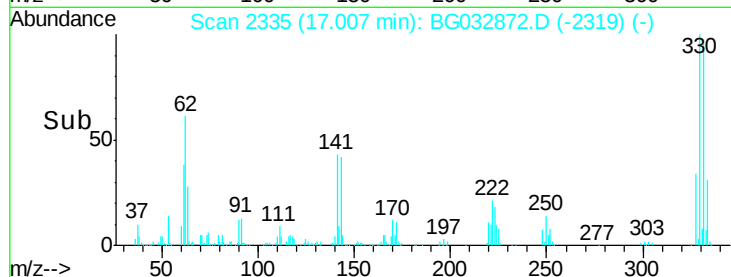
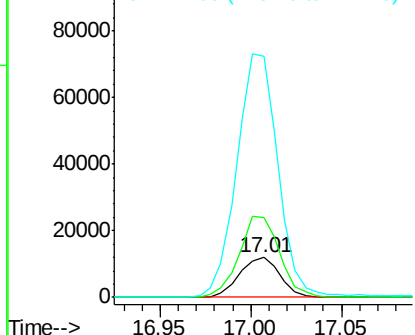
#66
4-Bromophenyl-phenylether
Concen: 4.39 ng
RT: 17.01 min Scan# 2335
Delta R.T. -0.44 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 18643
Ion Ratio Lower Upper
248 100
250 201.4 77.1 115.7#
141 609.2 50.8 76.2#

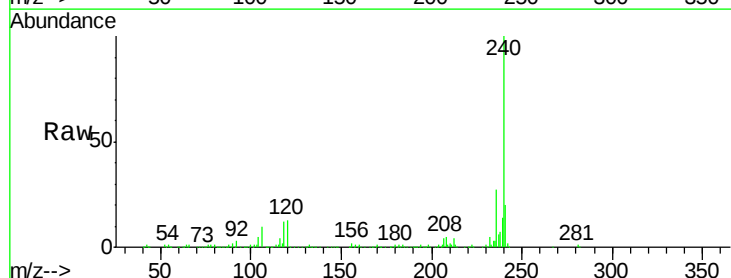


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

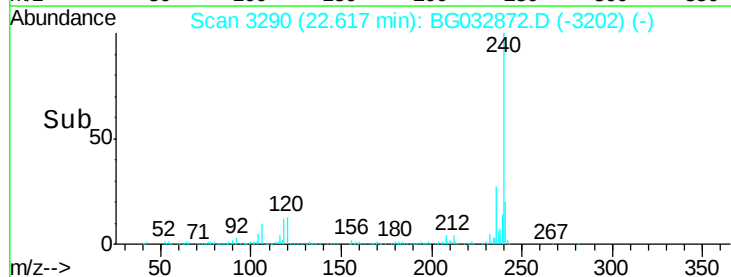
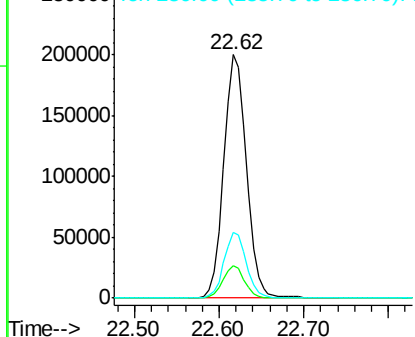


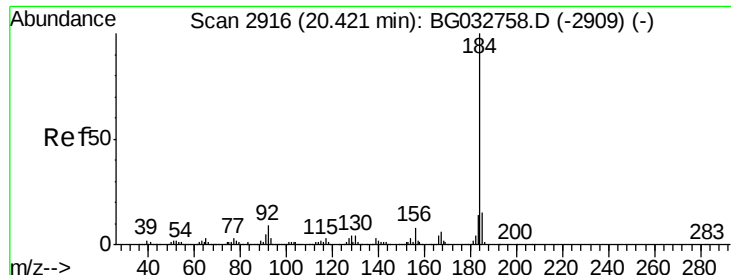
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.62 min Scan# 3290
Delta R.T. -0.01 min
Lab File: BG032872.D
Acq: 28 Feb 2018 2:46

Tgt Ion:240 Resp: 371070
Ion Ratio Lower Upper
240 100
120 13.2 6.8 10.2#
236 26.7 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: 2.13 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.36 min

Lab File: BG032872.D

Acq: 28 Feb 2018 2:46

Instrument :

BNA_F

ClientSampled :

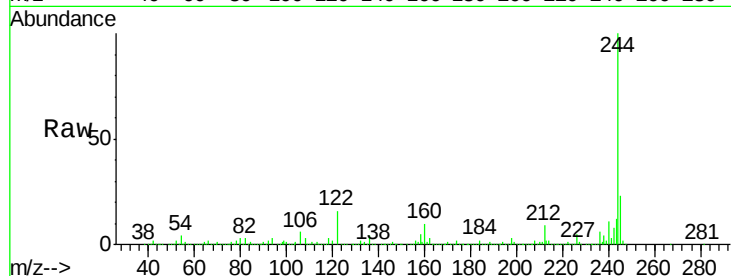
Tot Ion:184 Resp: 26883

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

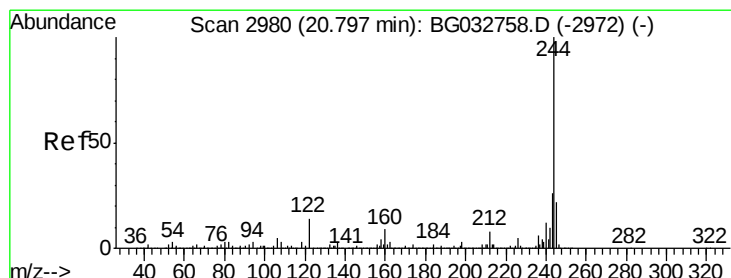
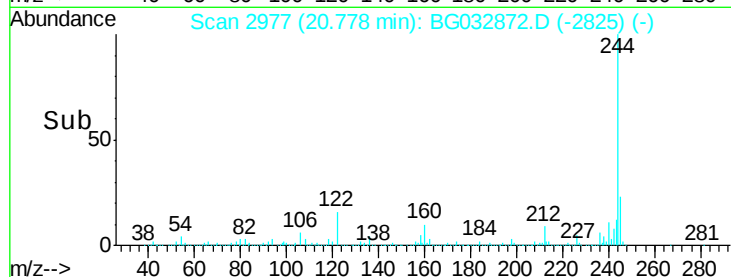
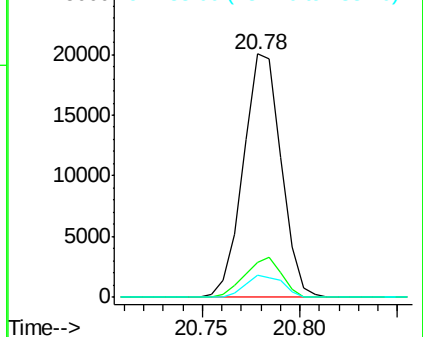
183 9.0 10.6 16.0#



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: 93.94 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032872.D

Acq: 28 Feb 2018 2:46

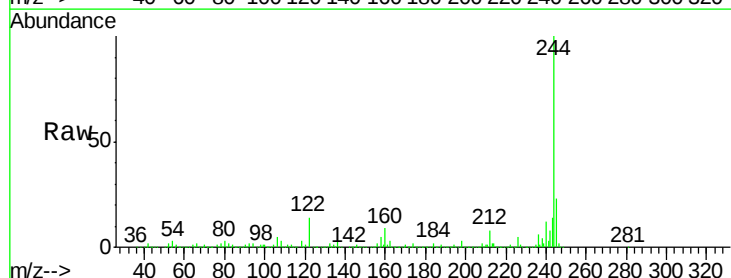
Tgt Ion:244 Resp: 1551552

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

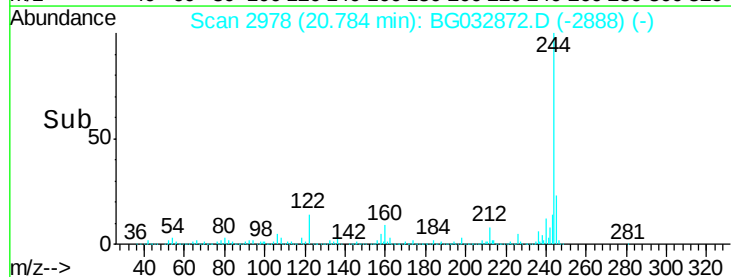
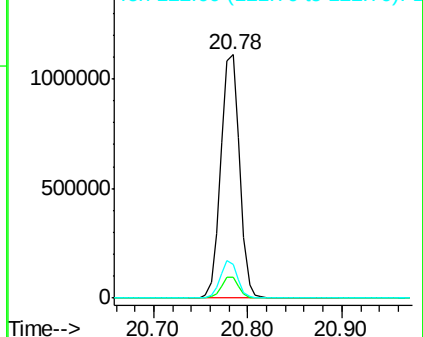
122 14.0 7.0 10.4#

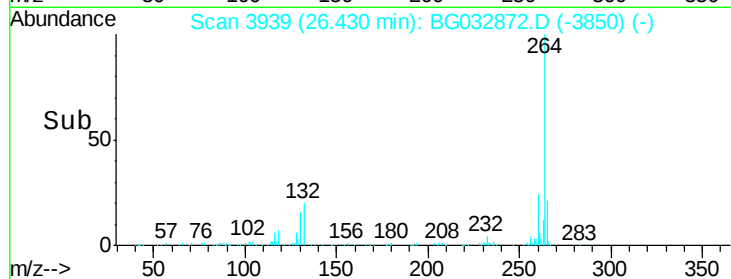
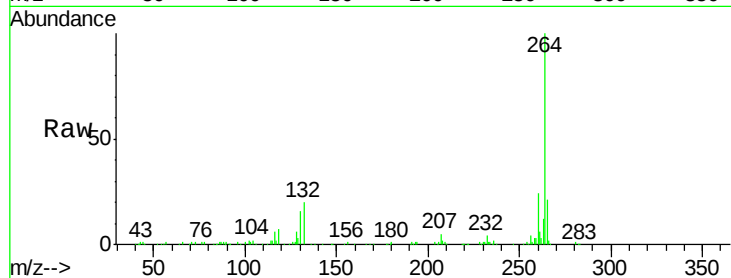
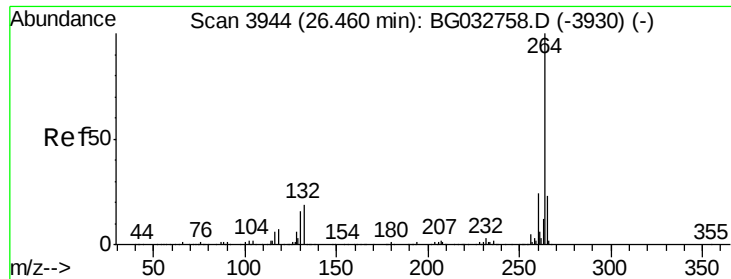


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.43 min Scan# 3939
 Delta R.T. -0.01 min
 Lab File: BG032872.D
 Acq: 28 Feb 2018 2:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	21.3	17.7	26.5

