

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041101.D
 Acq On : 7 Jun 2019 14:46
 Operator : HP/JU
 Sample : K3203-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-0531-190604

Quant Time: Jun 08 06:58:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

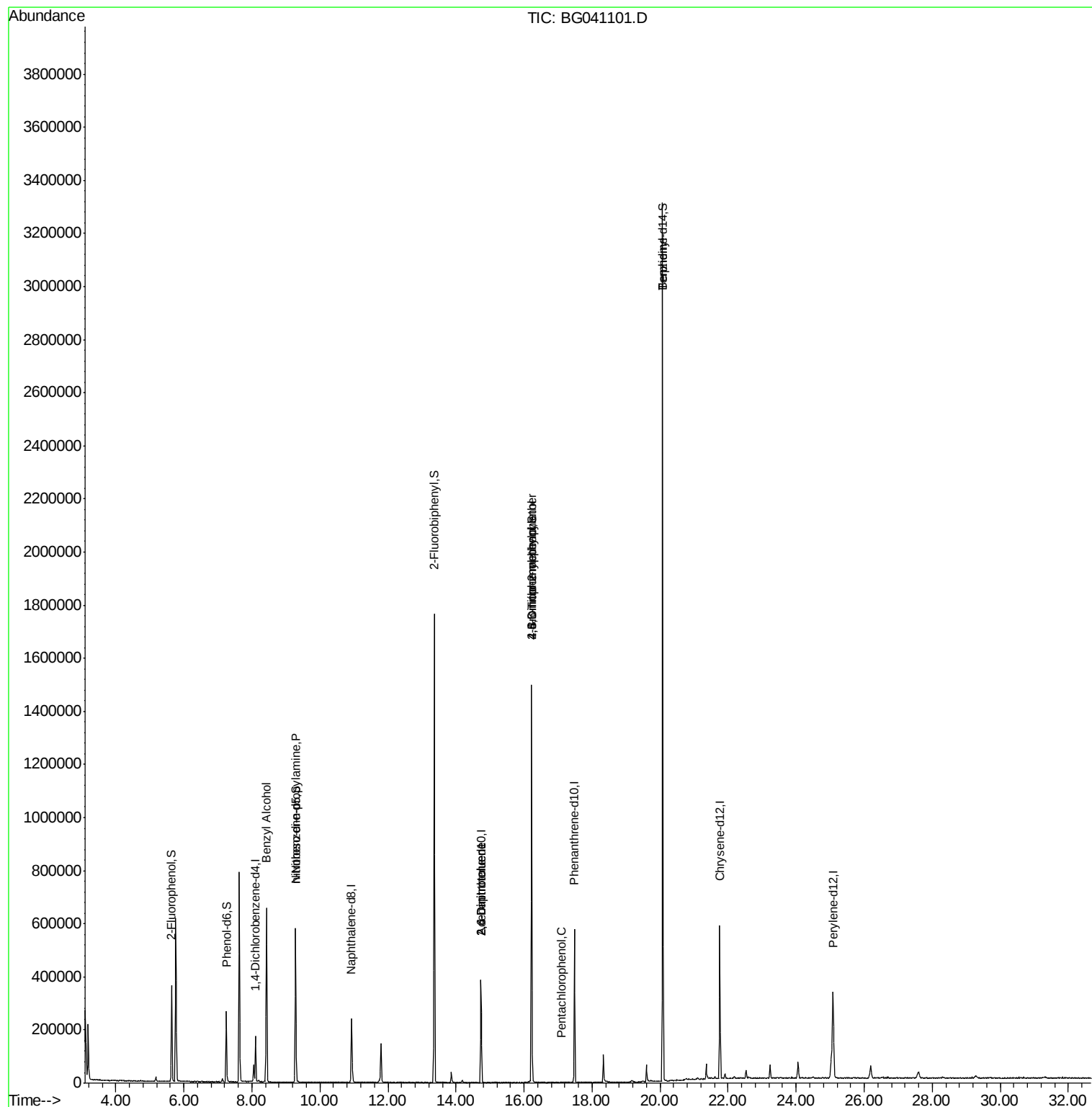
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	42486	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	173075	20.00	ng	-0.02
39) Acenaphthene-d10	14.73	164	135671	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	355742	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	352335	20.00	ng	-0.03
87) Perylene-d12	25.08	264	366875	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	142182	60.35	ng	-0.02
7) Phenol-d6	7.24	99	144427	39.69	ng	-0.02
23) Nitrobenzene-d5	9.28	82	356368	91.41	ng	-0.02
42) 2,4,6-Tribromophenol	16.22	330	280211	139.12	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	874548	92.83	ng	-0.02
79) Terphenyl-d14	20.08	244	1554073	93.61	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.43	79	6843	2.033	ng	# 69
19) n-Nitroso-di-n-propylamine	9.28	70	52151	18.624	ng	# 72
51) 2,6-Dinitrotoluene	14.73	165	17148	6.925	ng	# 20
57) 2,4-Dinitrotoluene	14.73	165	17148	4.903	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.23	198	845	8.954	ng	# 30
67) 4-Bromophenyl-phenylether	16.22	248	20038	4.174	ng	# 1
70) Pentachlorophenol	17.08	266	118	4.297	ng	# 18
77) Benzidine	20.08	184	26869	3.197	ng	# 94

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

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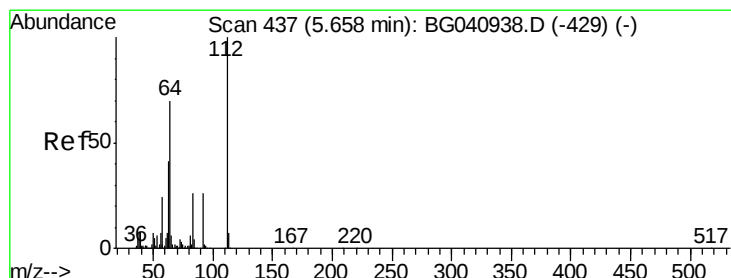
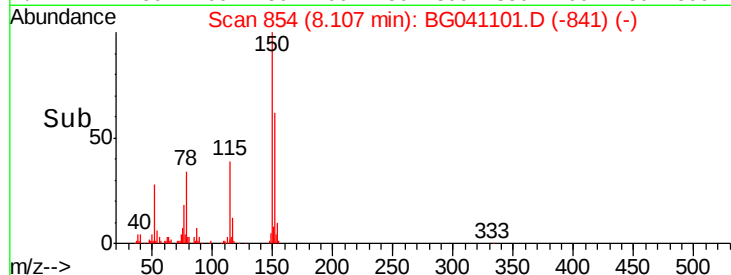
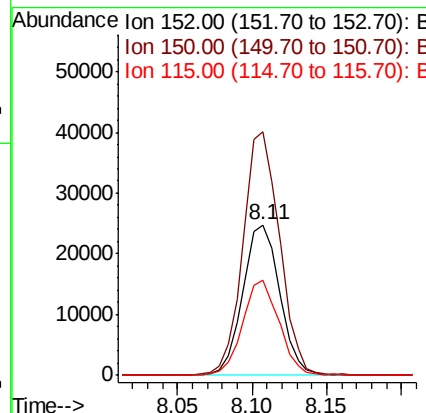
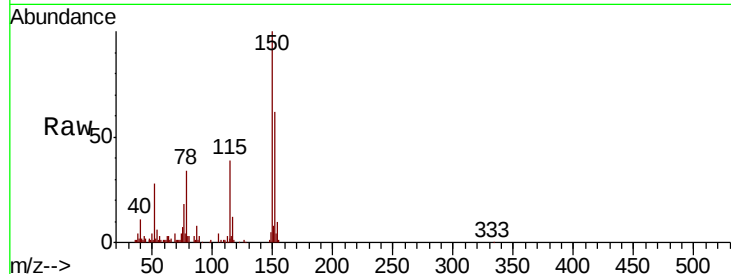


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BG041101.D
Acq: 7 Jun 2019 14:46

Instrument :
BNA_G
ClientSampleId :
DUP-0531-190604

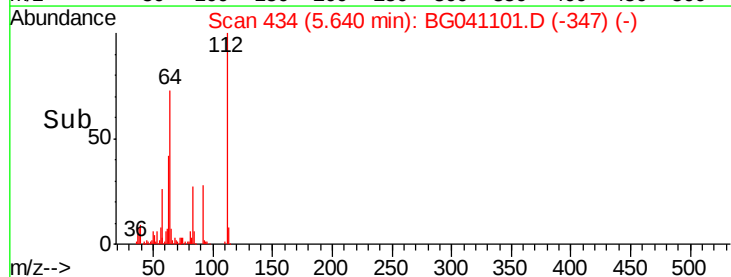
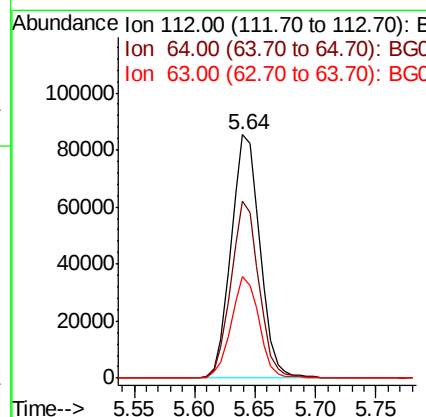
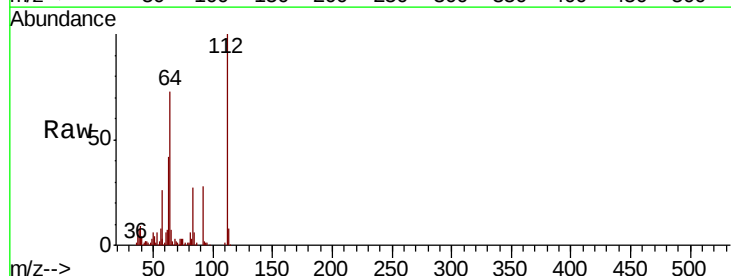
Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.7	120.6	180.8
115	63.2	45.1	67.7

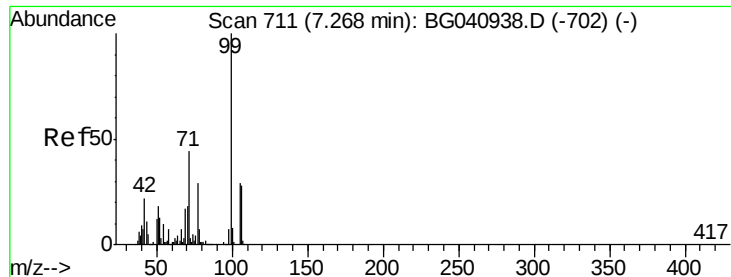


#5

2-Fluorophenol
Concen: 60.346 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG041101.D
Acq: 7 Jun 2019 14:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.6	56.2	84.2
63	41.7	32.8	49.2





#7

Phenol-d6

Concen: 39.691 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.02 min

Lab File: BG041101.D

Acq: 7 Jun 2019 14:46

Instrument :

BNA_G

ClientSampleId :

DUP-0531-190604

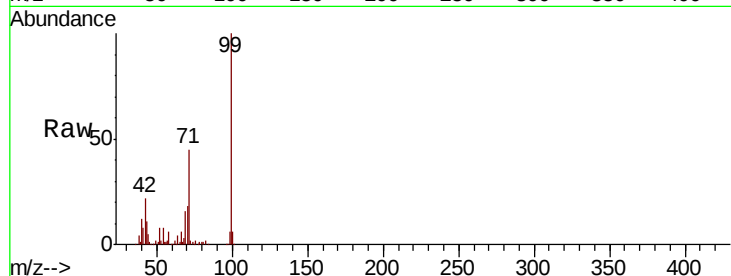
Tgt Ion: 99 Resp: 144427

Ion Ratio Lower Upper

99 100

42 22.3 17.9 26.9

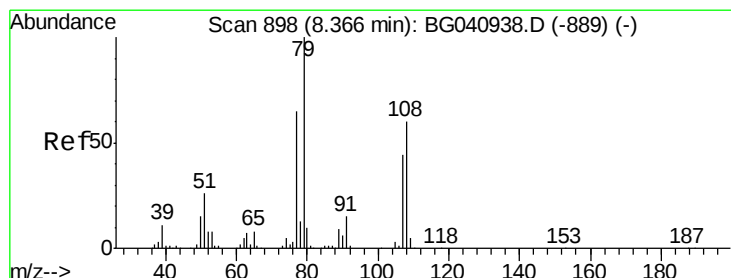
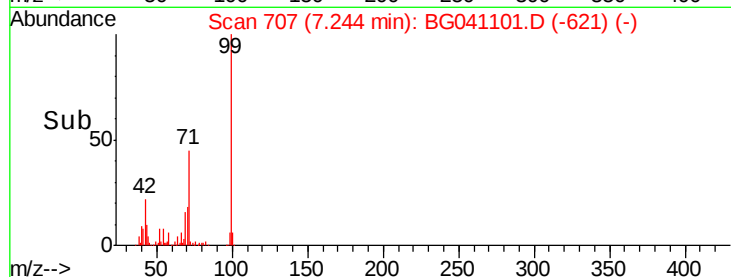
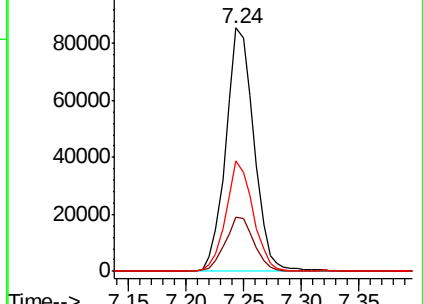
71 45.3 35.4 53.0



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: 2.033 ng

RT: 8.43 min Scan# 909

Delta R.T. 0.06 min

Lab File: BG041101.D

Acq: 7 Jun 2019 14:46

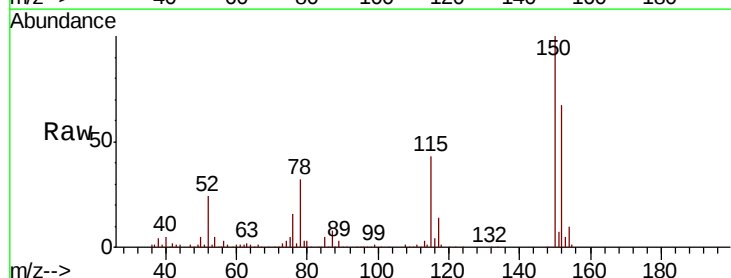
Tgt Ion: 79 Resp: 6843

Ion Ratio Lower Upper

79 100

108 37.7 48.3 72.5#

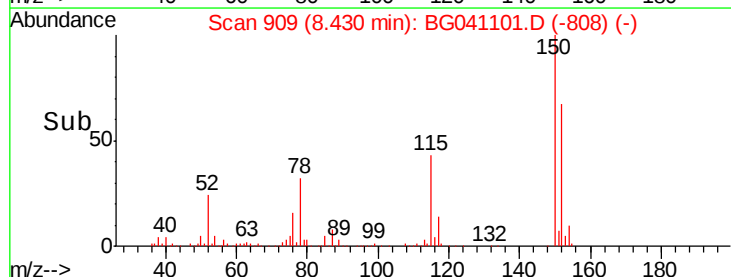
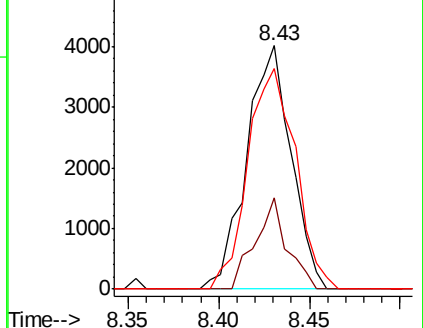
77 90.4 52.3 78.5#

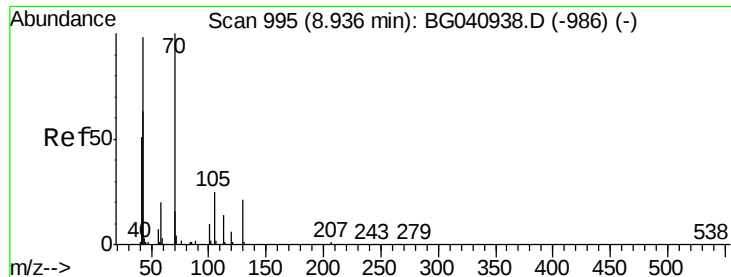


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

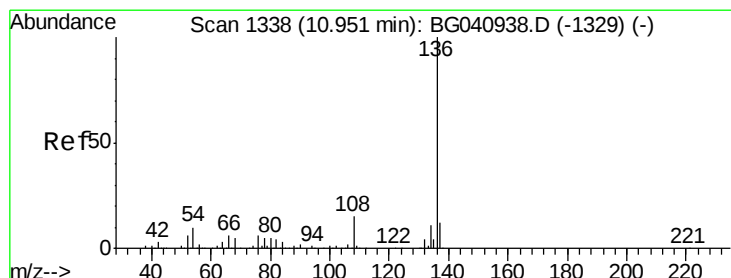
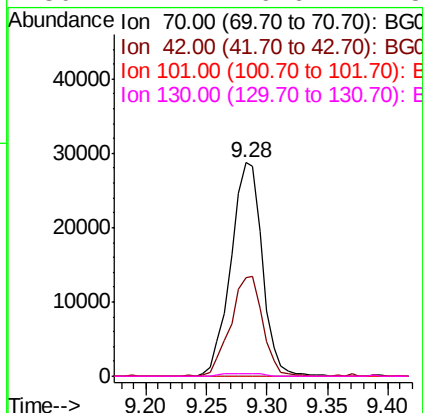
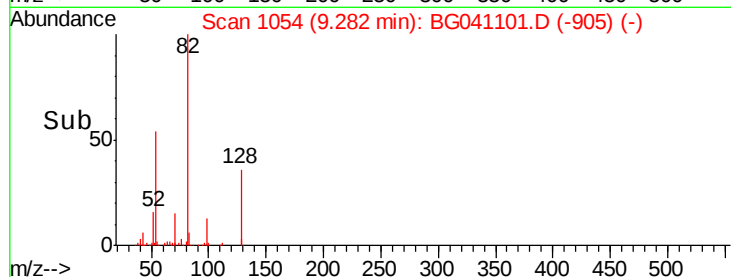
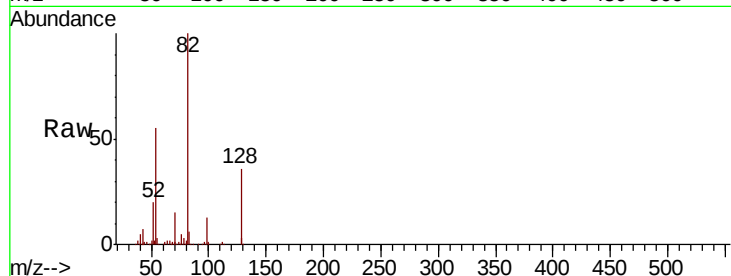




#19
n-Nitroso-di-n-propylamine
Concen: 18.624 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.35 min
Lab File: BG041101.D
Acq: 7 Jun 2019 14:46

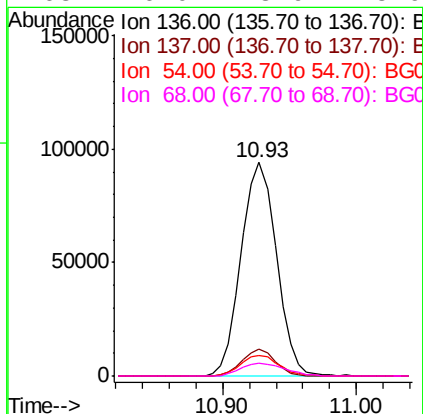
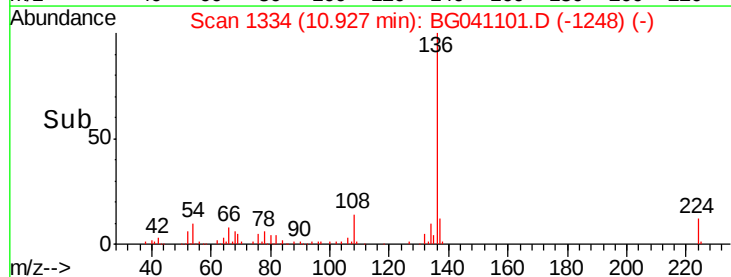
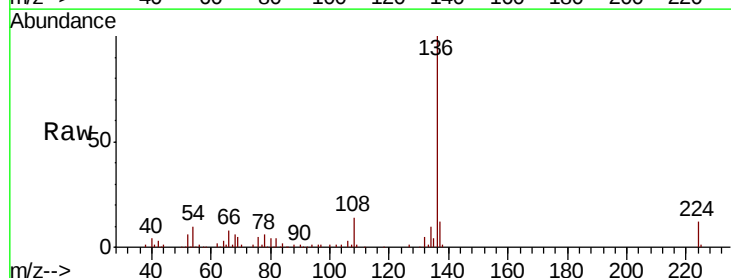
Instrument :
BNA_G
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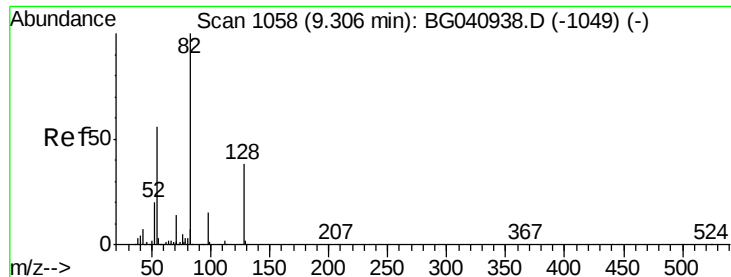
Tgt Ion: 70 Resp: 52151
Ion Ratio Lower Upper
70 100
42 46.1 51.5 77.3#
101 0.0 8.1 12.1#
130 1.2 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BG041101.D
Acq: 7 Jun 2019 14:46

Tgt Ion: 136 Resp: 173075
Ion Ratio Lower Upper
136 100
137 12.4 9.5 14.3
54 9.6 7.6 11.4
68 6.0 3.9 5.9#

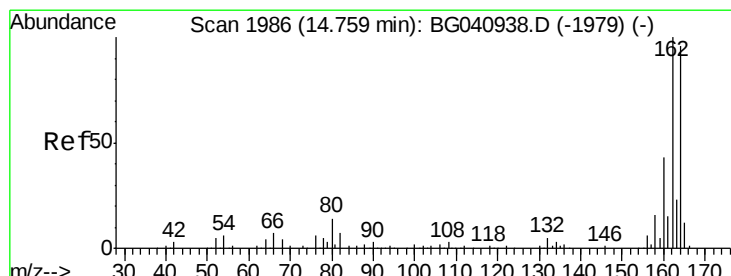
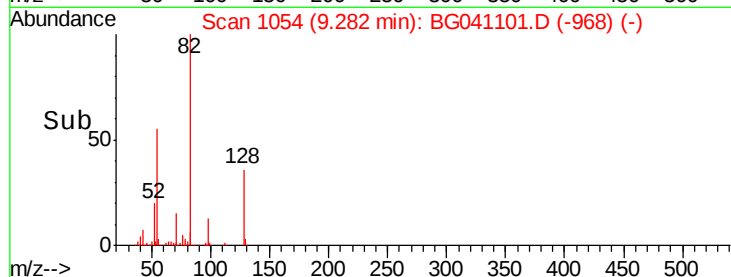
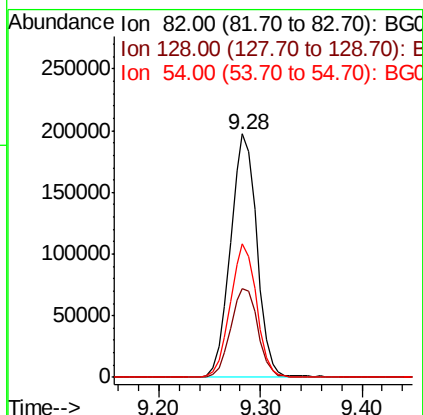
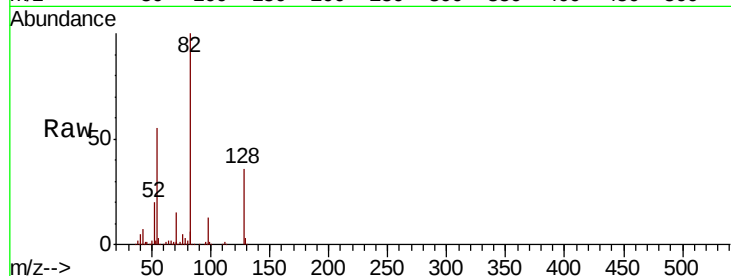




#23
 Nitrobenzene-d5
 Concen: 91.408 ng
 RT: 9.28 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BG041101.D
 Acq: 7 Jun 2019 14:46

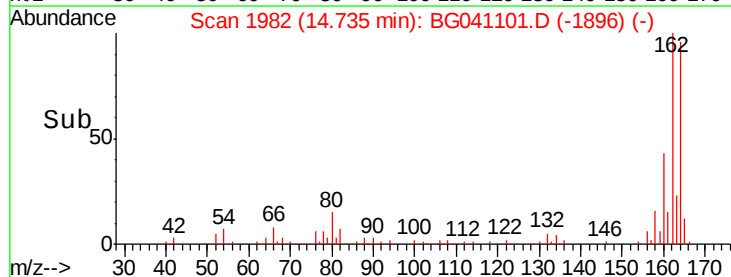
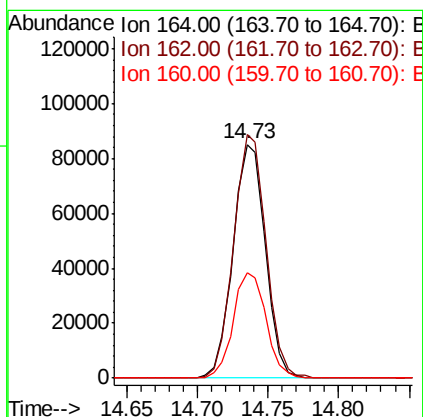
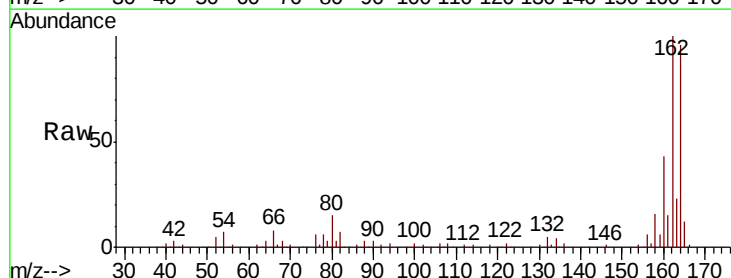
Instrument :
 BNA_G
 ClientSampleId :
 DUP-0531-190604

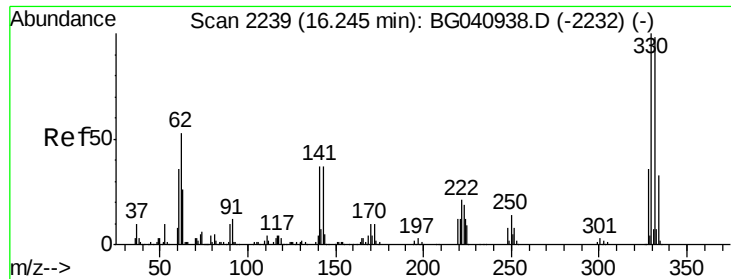
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.5	30.5	45.7
54	54.6	44.6	66.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.02 min
 Lab File: BG041101.D
 Acq: 7 Jun 2019 14:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.0	124.4
160	45.3	35.6	53.4

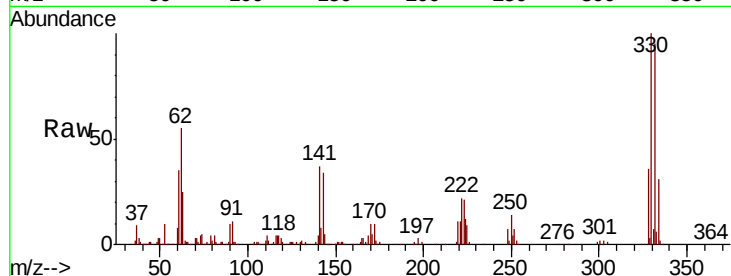




#42
 2,4,6-Tribromophenol
 Concen: 139.123 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.02 min
 Lab File: BG041101.D
 Acq: 7 Jun 2019 14:46

Instrument :
 BNA_G
 ClientSampleId :
 DUP-0531-190604

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.5	117.7
141	36.2	28.7	43.1

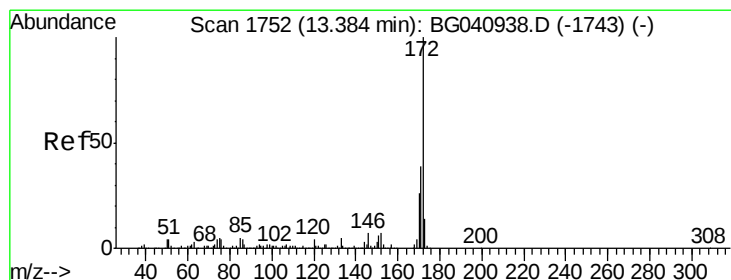
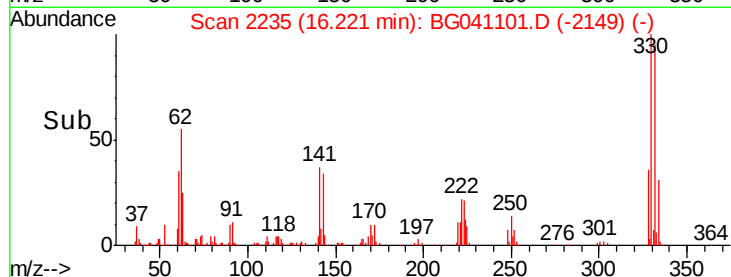
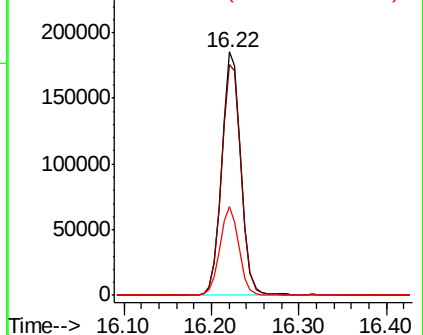


Abundance

Ion 329.80 (329.50 to 330.50): E

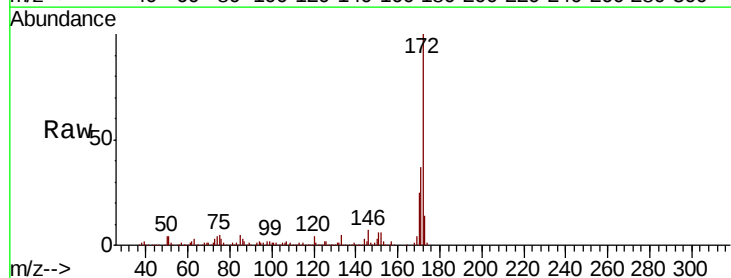
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.831 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BG041101.D
 Acq: 7 Jun 2019 14:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.1	46.7
170	24.5	20.5	30.7

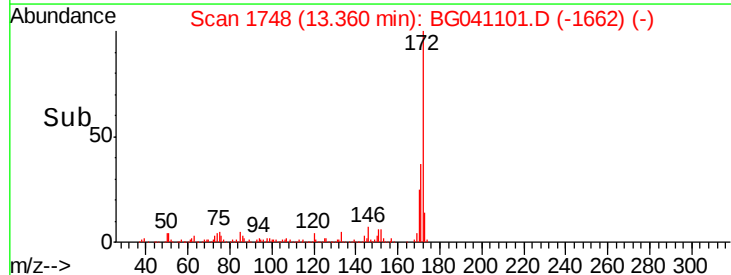
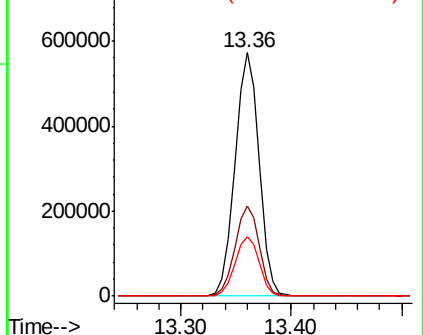


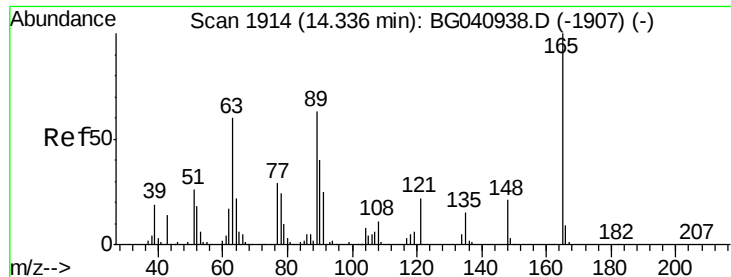
Abundance

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

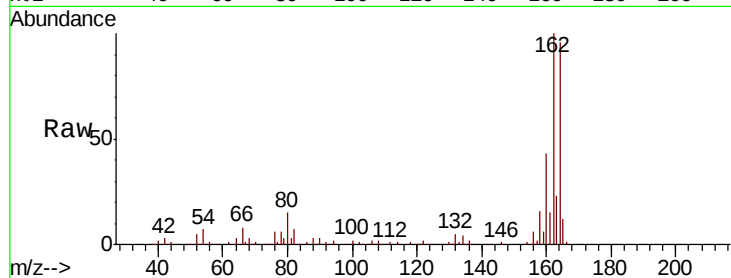




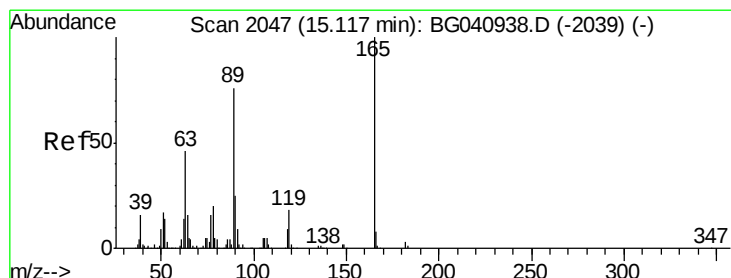
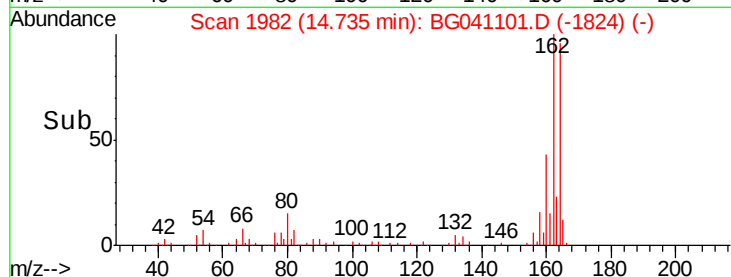
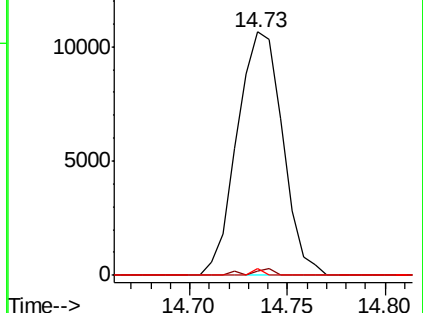
#51
 2,6-Dinitrotoluene
 Concen: 6.925 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. 0.40 min
 Lab File: BG041101.D
 Acq: 7 Jun 2019 14:46

Instrument :
 BNA_G
 ClientSampleId :
 DUP-0531-190604

Tgt Ion:165 Resp: 17148
 Ion Ratio Lower Upper
 165 100
 63 1.9 53.6 80.4#
 89 2.6 50.4 75.6#

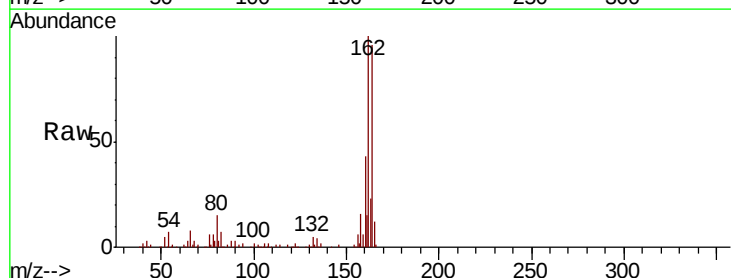


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

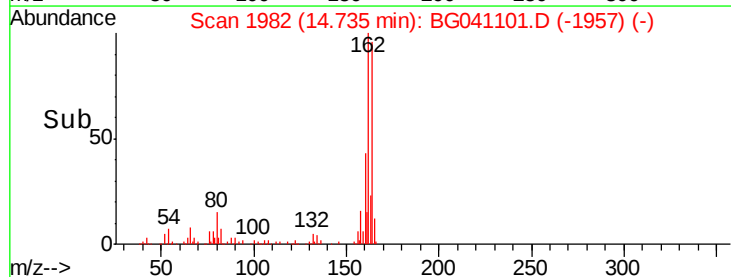
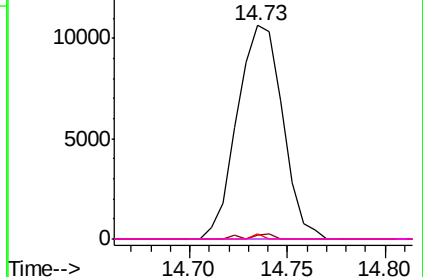


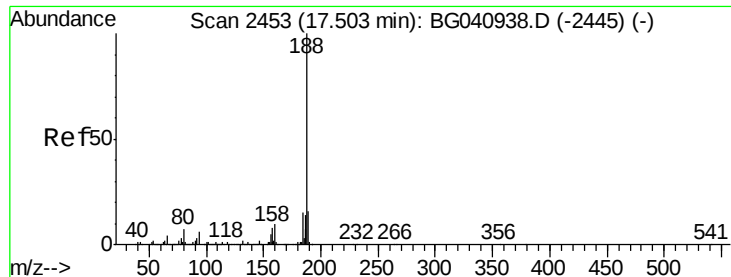
#57
 2,4-Dinitrotoluene
 Concen: 4.903 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.38 min
 Lab File: BG041101.D
 Acq: 7 Jun 2019 14:46

Tgt Ion:165 Resp: 17148
 Ion Ratio Lower Upper
 165 100
 63 1.9 37.3 55.9#
 89 2.6 61.0 91.6#
 182 0.0 2.2 3.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.02 min

Lab File: BG041101.D

Acq: 7 Jun 2019 14:46

Instrument :

BNA_G

ClientSampleId :

DUP-0531-190604

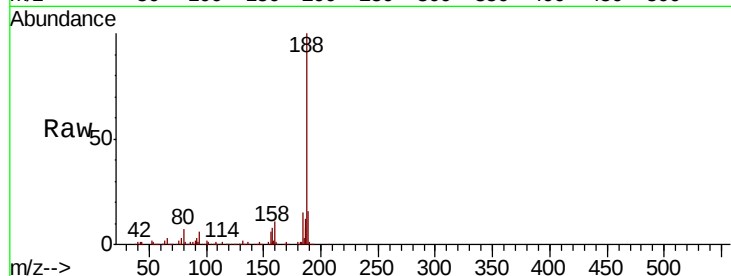
Tgt Ion:188 Resp: 355742

Ion Ratio Lower Upper

188 100

94 5.6 4.7 7.1

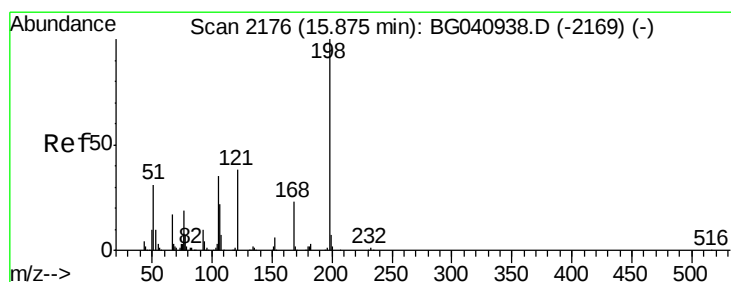
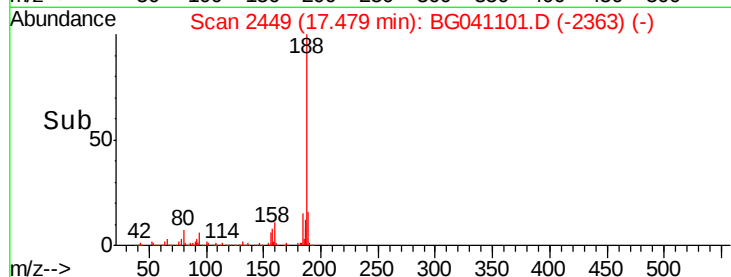
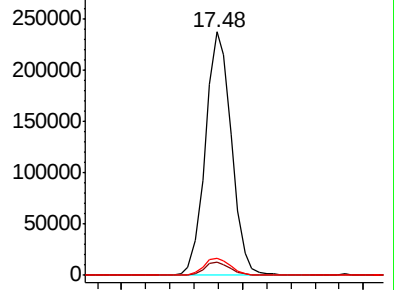
80 6.9 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 8.954 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.35 min

Lab File: BG041101.D

Acq: 7 Jun 2019 14:46

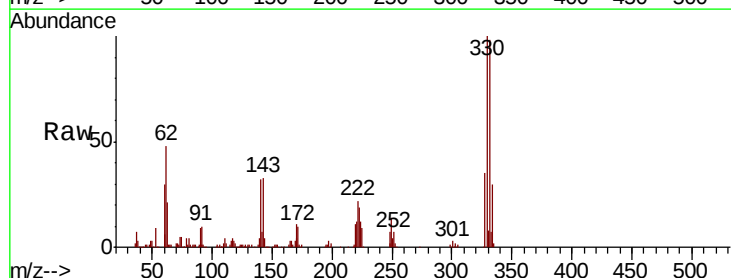
Tgt Ion:198 Resp: 845

Ion Ratio Lower Upper

198 100

51 70.1 21.6 61.6#

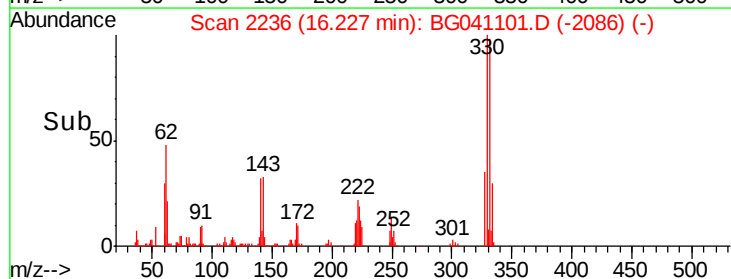
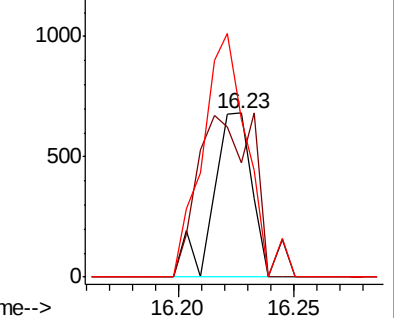
105 96.3 17.5 57.5#

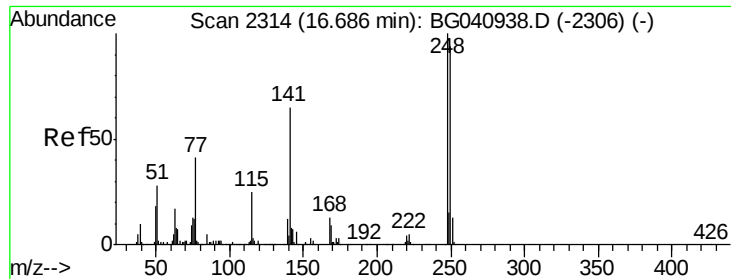


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

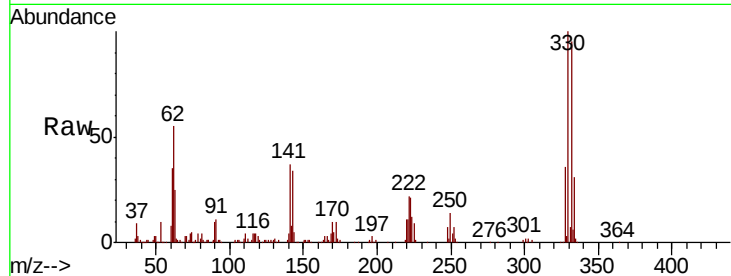




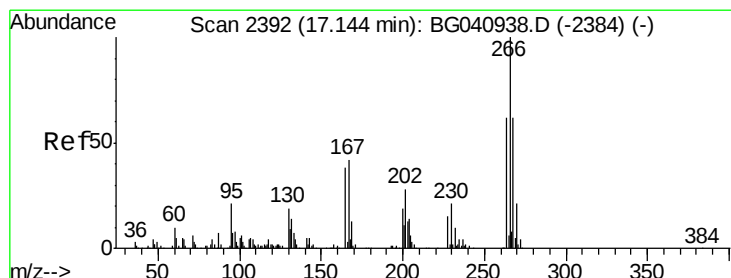
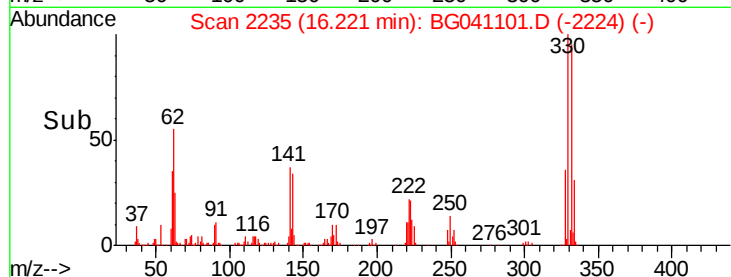
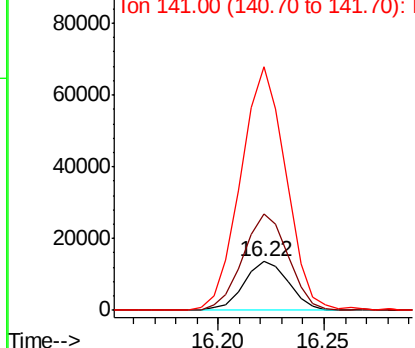
#67
 4-Bromophenyl-phenylether
 Concen: 4.174 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.46 min
 Lab File: BG041101.D
 Acq: 7 Jun 2019 14:46

Instrument :
 BNA_G
 ClientSampleId :
 DUP-0531-190604

Tgt Ion:248 Resp: 20038
 Ion Ratio Lower Upper
 248 100
 250 149.7 75.0 112.4#
 141 380.3 52.4 78.6#

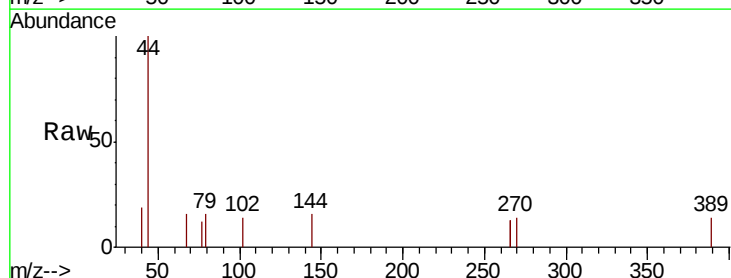


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

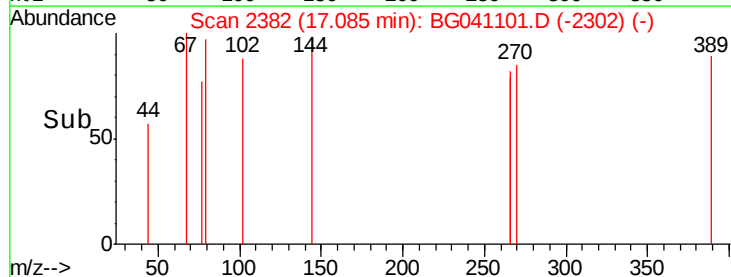
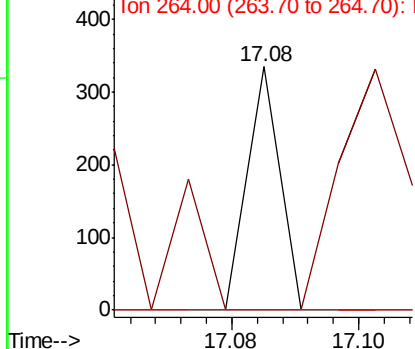


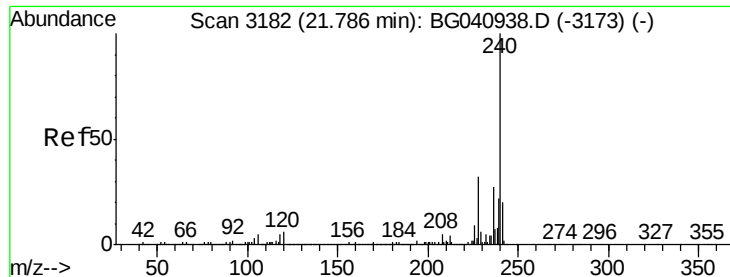
#70
 Pentachlorophenol
 Concen: 4.297 ng
 RT: 17.08 min Scan# 2382
 Delta R.T. -0.06 min
 Lab File: BG041101.D
 Acq: 7 Jun 2019 14:46

Tgt Ion:266 Resp: 118
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.1 79.7#
 264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

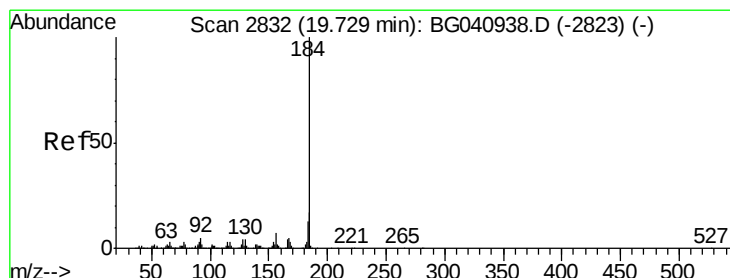
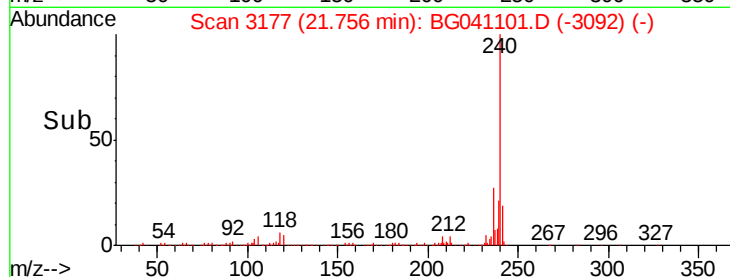
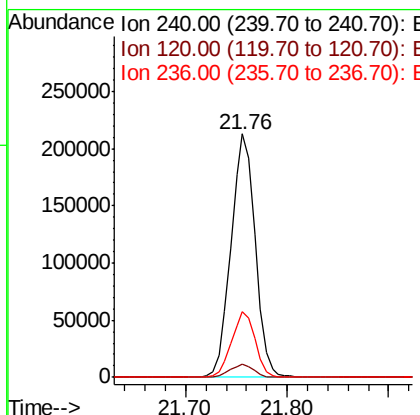
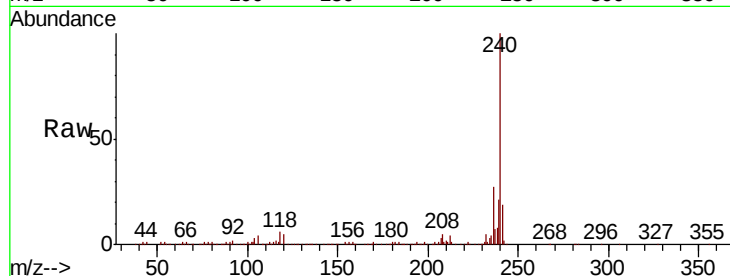




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3177
Delta R.T. -0.03 min
Lab File: BG041101.D
Acq: 7 Jun 2019 14:46

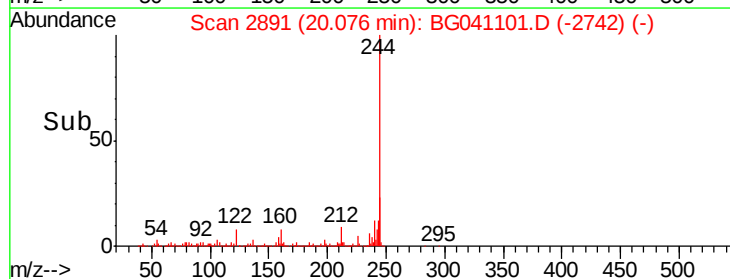
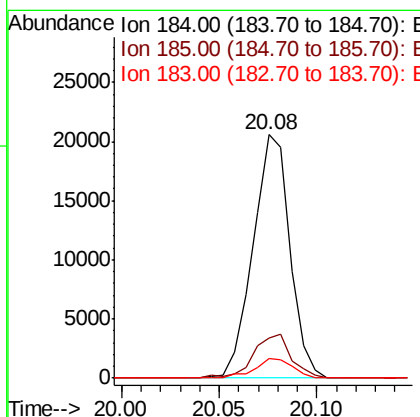
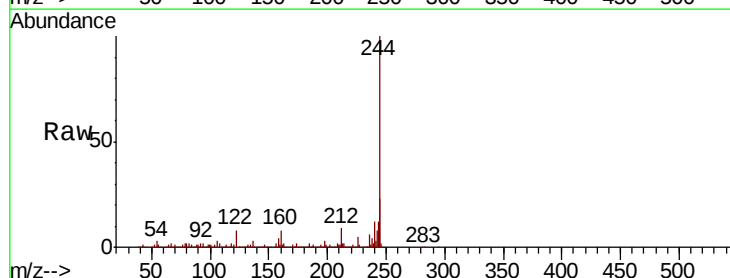
Instrument :
BNA_G
ClientSampleId :
DUP-0531-190604

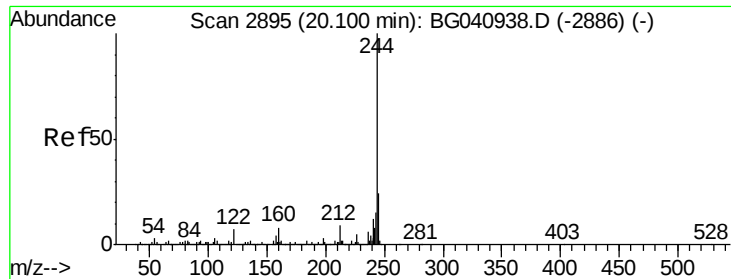
Tgt Ion:240 Resp: 352335
Ion Ratio Lower Upper
240 100
120 5.4 4.5 6.7
236 27.0 21.3 31.9



#77
Benzidine
Concen: 3.197 ng
RT: 20.08 min Scan# 2891
Delta R.T. 0.35 min
Lab File: BG041101.D
Acq: 7 Jun 2019 14:46

Tgt Ion:184 Resp: 26869
Ion Ratio Lower Upper
184 100
185 16.5 13.3 19.9
183 8.2 10.7 16.1#





#79

Terphenyl-d14

Concen: 93.612 ng

RT: 20.08 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG041101.D

Acq: 7 Jun 2019 14:46

Instrument :

BNA_G

ClientSampleId :

DUP-0531-190604

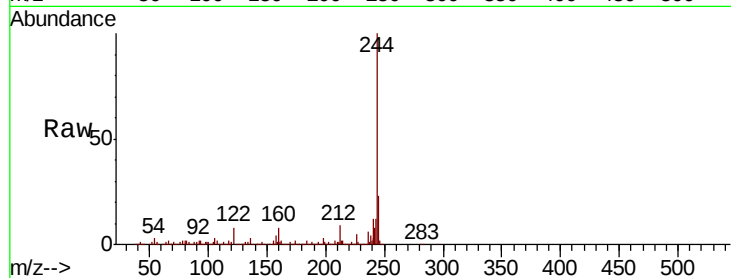
Tgt Ion:244 Resp: 1554073

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.4

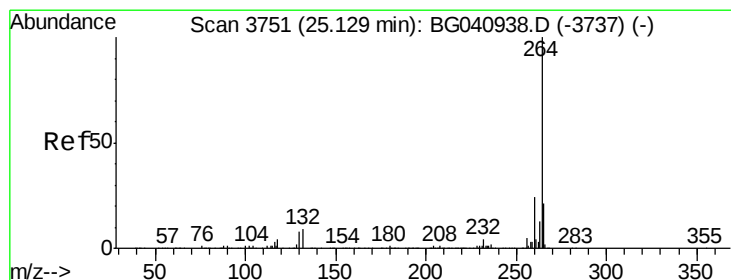
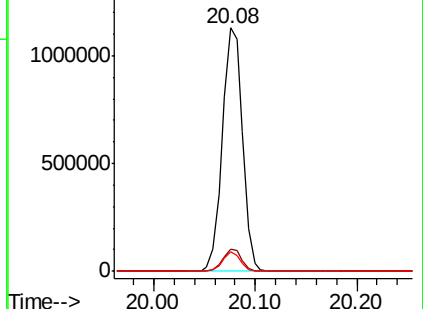
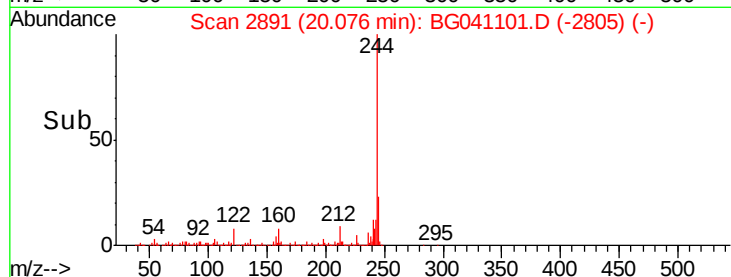
122 7.8 5.4 8.0



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

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3743

Delta R.T. -0.05 min

Lab File: BG041101.D

Acq: 7 Jun 2019 14:46

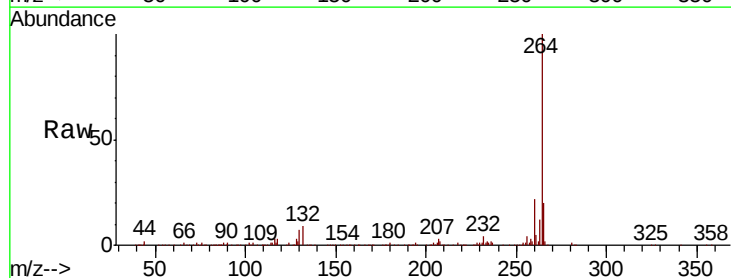
Tgt Ion:264 Resp: 366875

Ion Ratio Lower Upper

264 100

260 22.3 19.0 28.4

265 20.5 17.0 25.4



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

