

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042317.D
 Acq On : 18 Aug 2019 10:41
 Operator : HP/JU
 Sample : K4339-22
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T8-B1-(0-4)

Quant Time: Aug 19 06:01:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

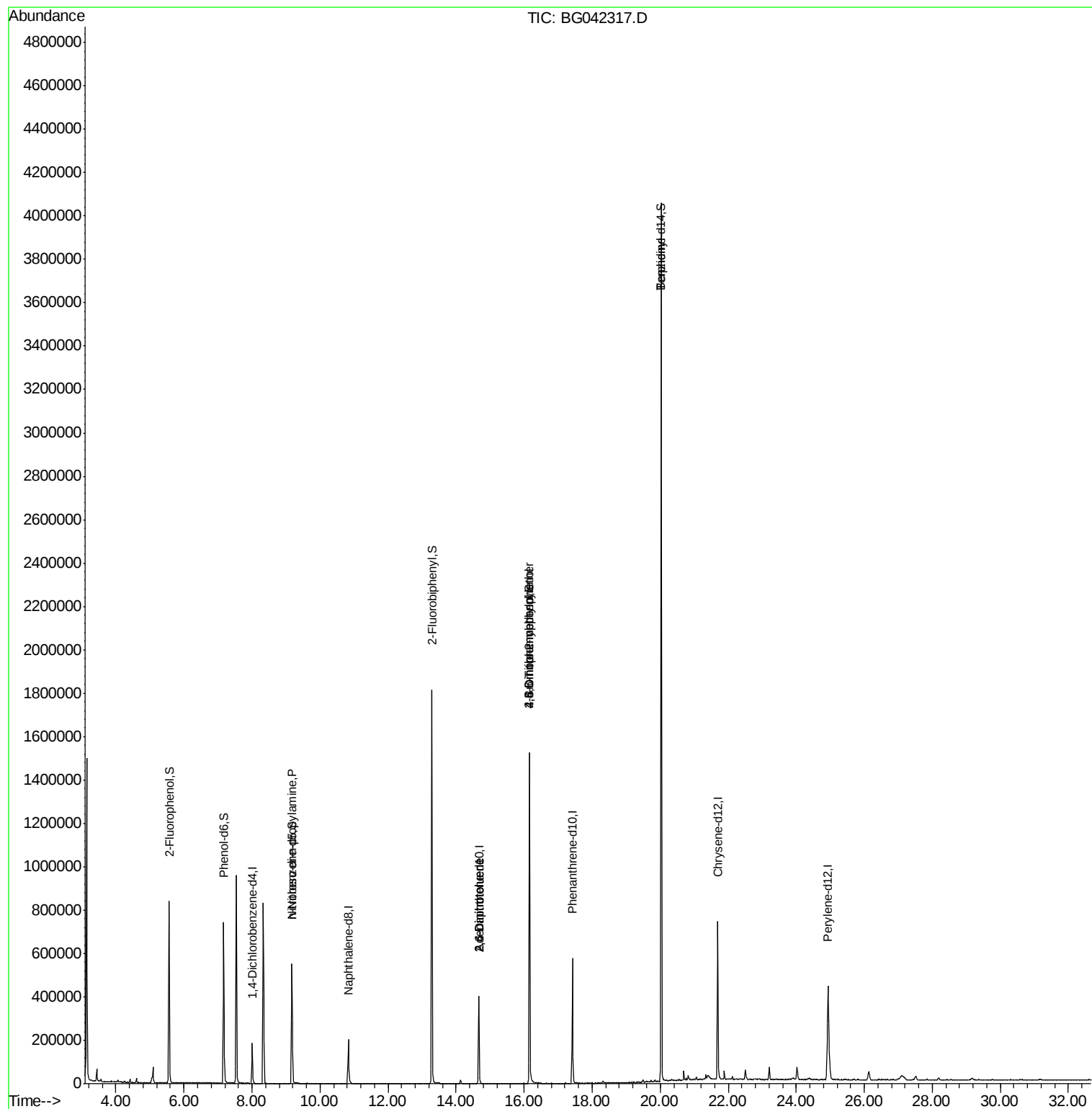
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	61965	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	229316	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	165197	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	406834	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	456863	20.00	ng	-0.05
87) Perylene-d12	24.93	264	523530	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	423759	133.05	ng	-0.03
7) Phenol-d6	7.17	99	519267	120.94	ng	-0.03
23) Nitrobenzene-d5	9.18	82	367577	110.31	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	377210	201.03	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	1125383	120.15	ng	-0.04
79) Terphenyl-d14	20.03	244	2086624	104.51	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	46639	14.962	ng	# 63
51) 2,6-Dinitrotoluene	14.67	165	21402	9.072	ng	# 26
57) 2,4-Dinitrotoluene	14.67	165	21402	6.597	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.15	198	940	7.257	ng	# 30
67) 4-Bromophenyl-phenylether	16.16	248	27426	5.473	ng	# 1
77) Benzidine	20.03	184	30721	2.060	ng	# 91

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

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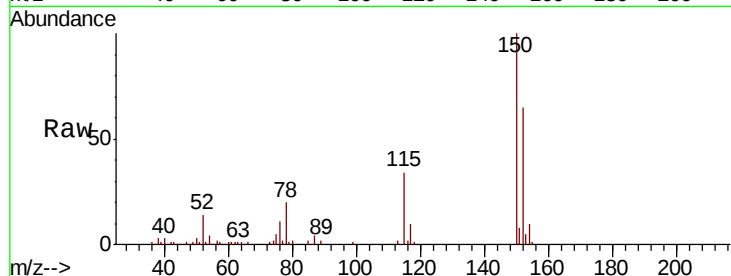


#1

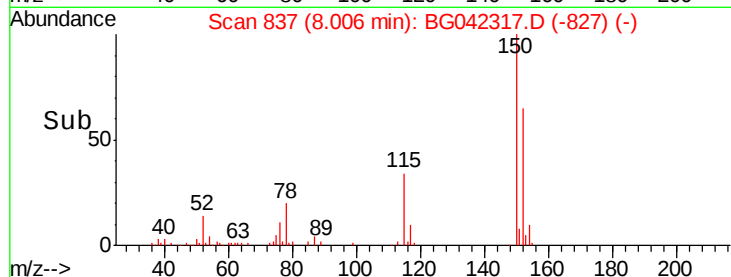
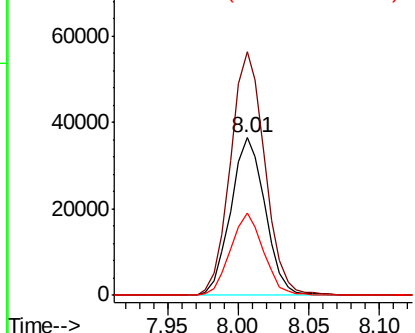
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042317.D
Acq: 18 Aug 2019 10:41

Instrument :
BNA_G
ClientSampleId :
T8-B1-(0-4)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.9	190.3
115	51.9	45.0	67.6



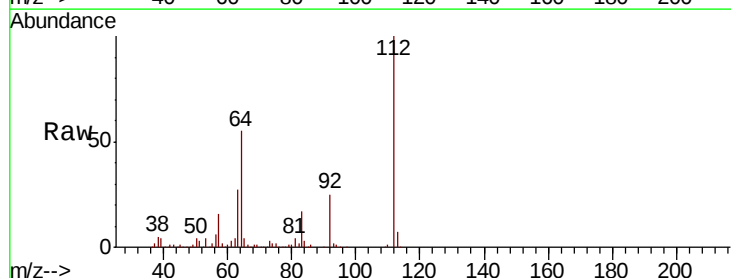
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



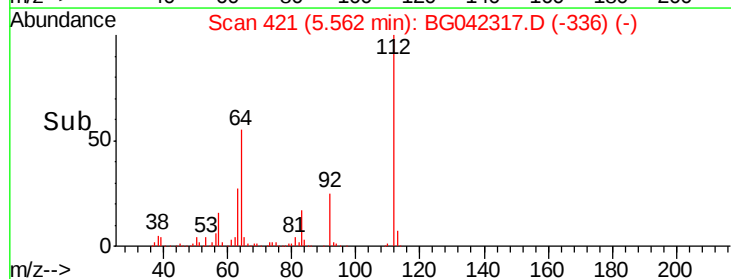
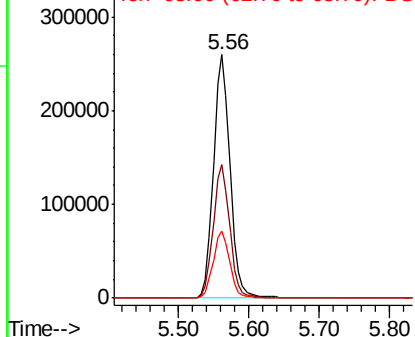
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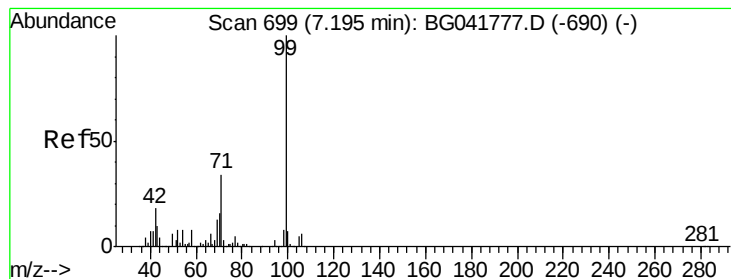
2-Fluorophenol
Concen: 133.055 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.03 min
Lab File: BG042317.D
Acq: 18 Aug 2019 10:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	55.4	83.2#
63	27.4	29.1	43.7#



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





#7

Phenol-d6

Concen: 120.937 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042317.D

Acq: 18 Aug 2019 10:41

Instrument :

BNA_G

ClientSampleId :

T8-B1-(0-4)

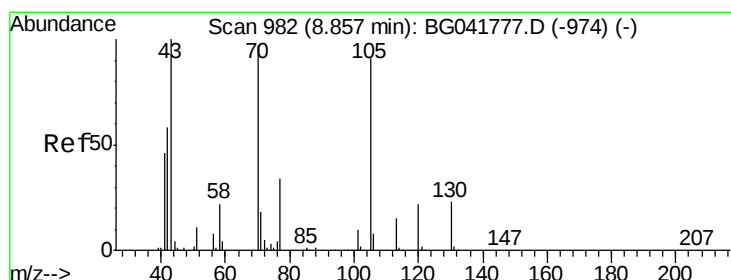
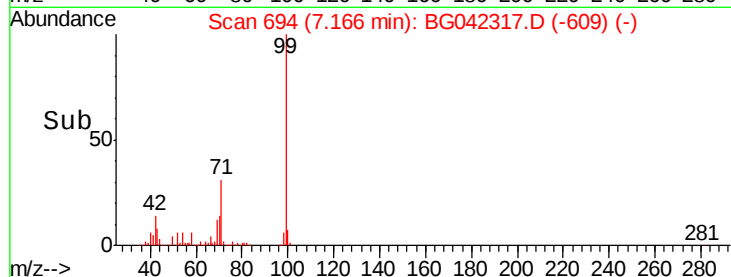
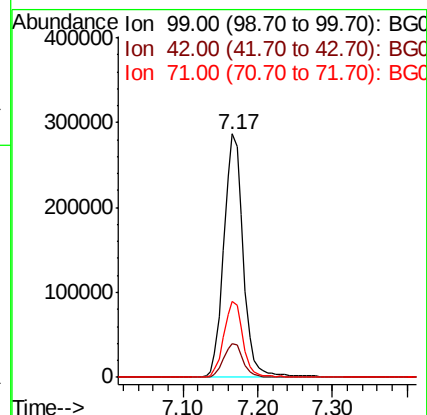
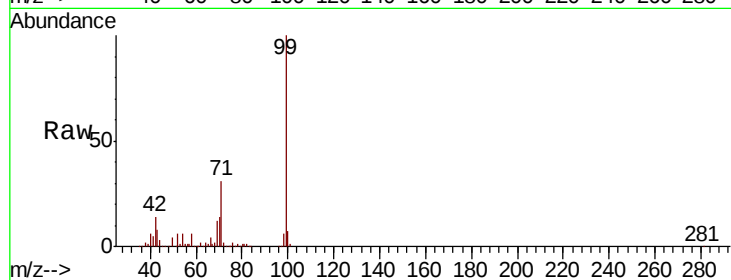
Tgt Ion: 99 Resp: 519267

Ion Ratio Lower Upper

99 100

42 13.8 17.6 26.4#

71 31.3 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.962 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.31 min

Lab File: BG042317.D

Acq: 18 Aug 2019 10:41

Tgt Ion: 70 Resp: 46639

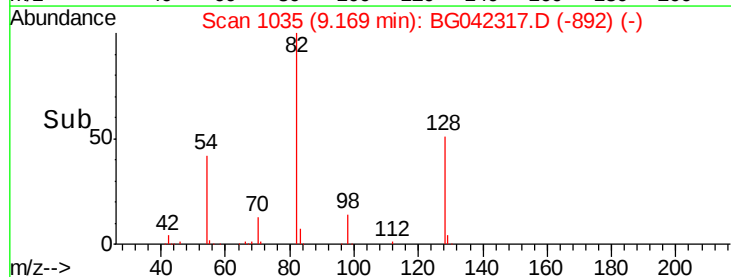
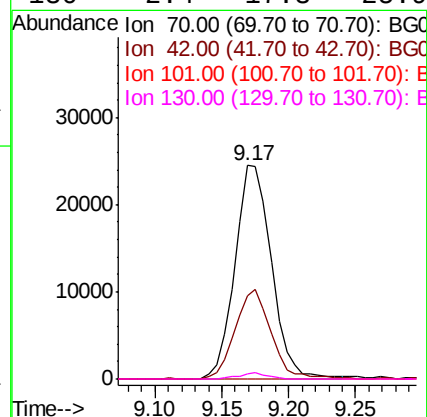
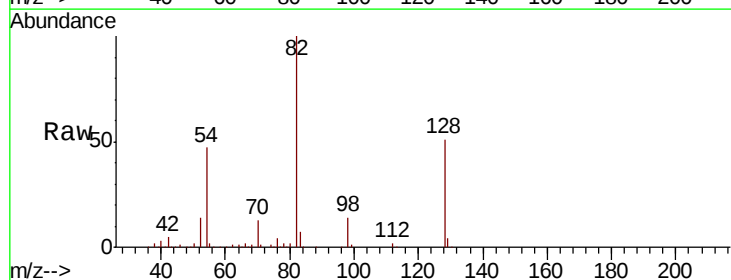
Ion Ratio Lower Upper

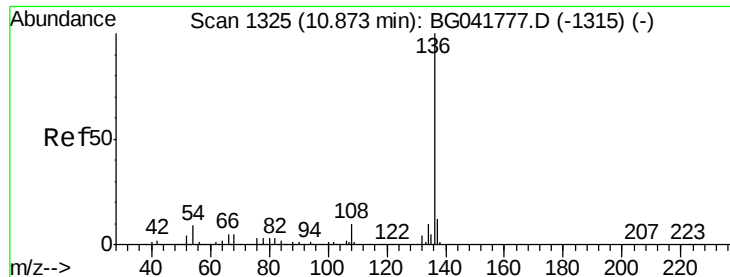
70 100

42 39.2 55.8 83.6#

101 0.0 8.1 12.1#

130 2.4 17.3 25.9#

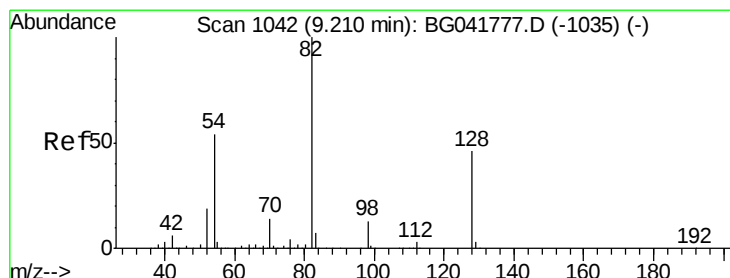
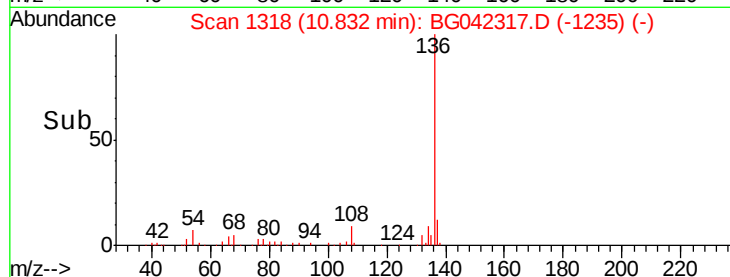
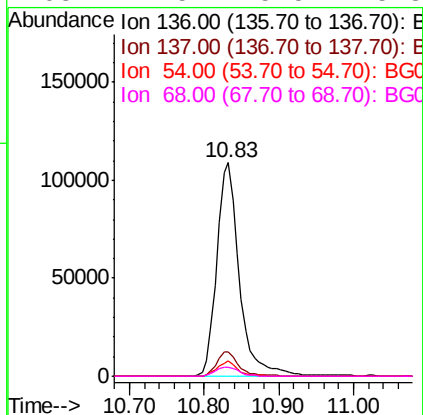
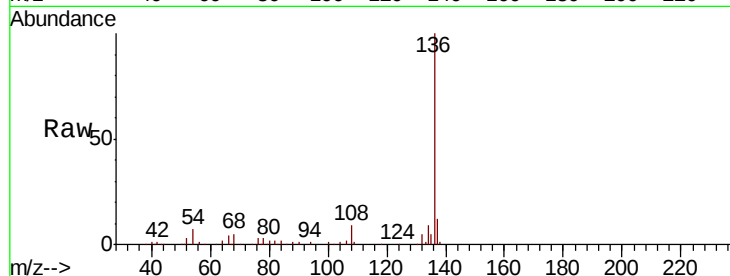




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042317.D
Acq: 18 Aug 2019 10:41

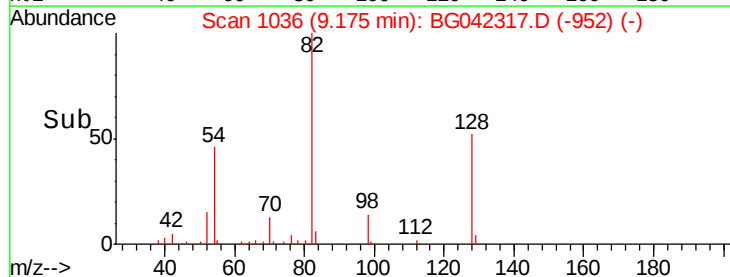
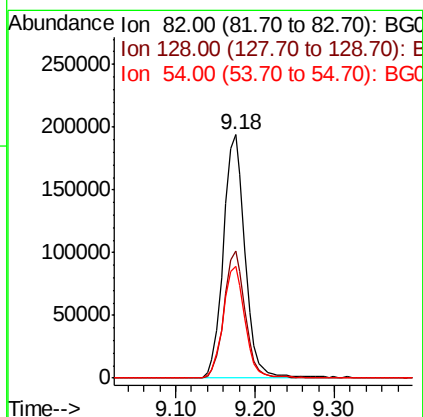
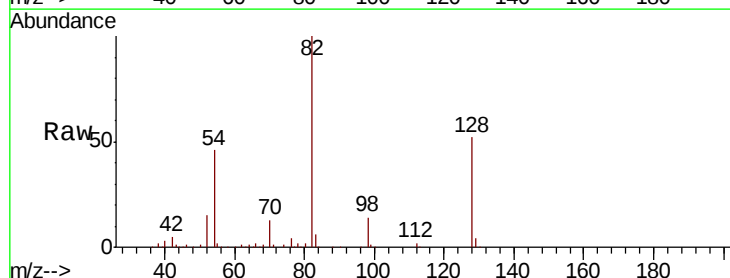
Instrument :
BNA_G
ClientSampleId :
T8-B1-(0-4)

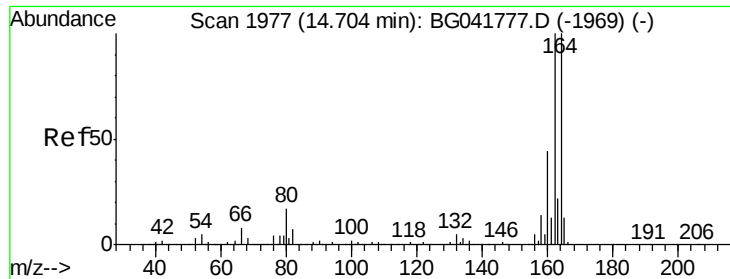
Tgt Ion:	136	Resp:	229316
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.3	8.7	13.1#
68	4.5	5.5	8.3#



#23
Nitrobenzene-d5
Concen: 110.307 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BG042317.D
Acq: 18 Aug 2019 10:41

Tgt Ion:	82	Resp:	367577
Ion	Ratio	Lower	Upper
82	100		
128	52.1	35.1	52.7
54	46.0	48.7	73.1#

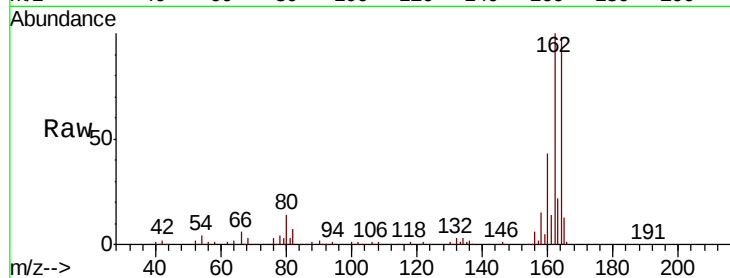




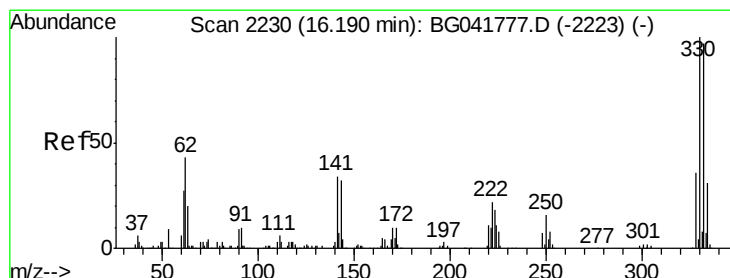
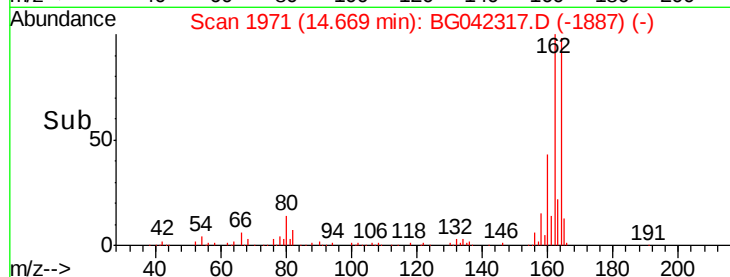
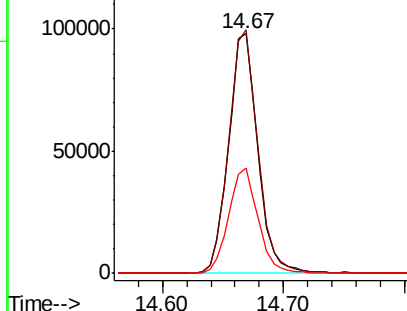
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.03 min
Lab File: BG042317.D
Acq: 18 Aug 2019 10:41

Instrument :
BNA_G
ClientSampleId :
T8-B1-(0-4)

Tgt Ion:164 Resp: 165197
Ion Ratio Lower Upper
164 100
162 101.8 79.6 119.4
160 44.2 35.4 53.0

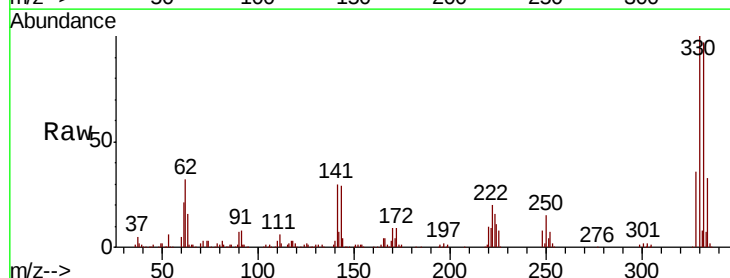


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

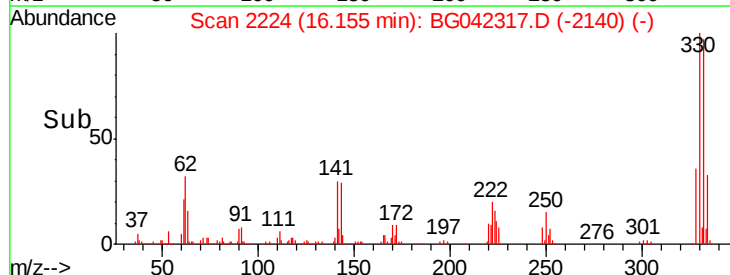
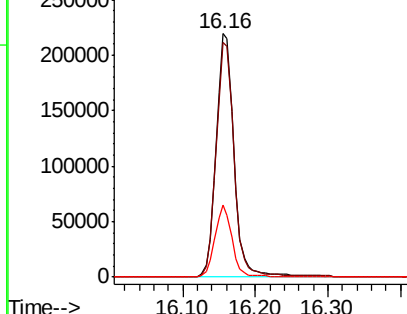


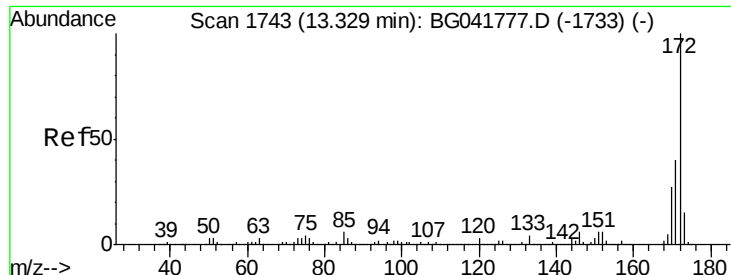
#42
2,4,6-Tribromophenol
Concen: 201.027 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.03 min
Lab File: BG042317.D
Acq: 18 Aug 2019 10:41

Tgt Ion:330 Resp: 377210
Ion Ratio Lower Upper
330 100
332 98.2 77.4 116.0
141 28.4 31.9 47.9#



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

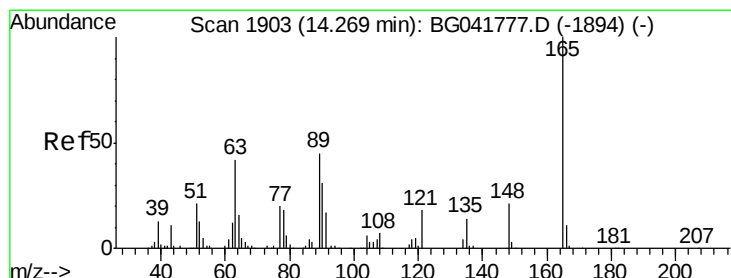
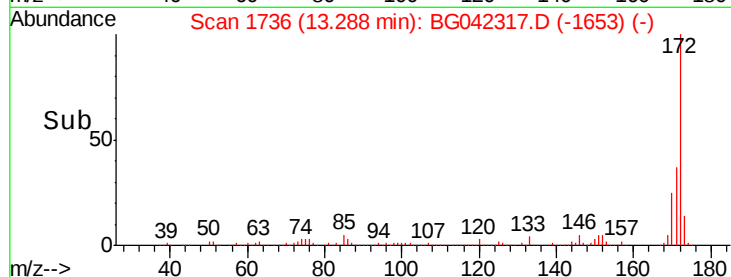
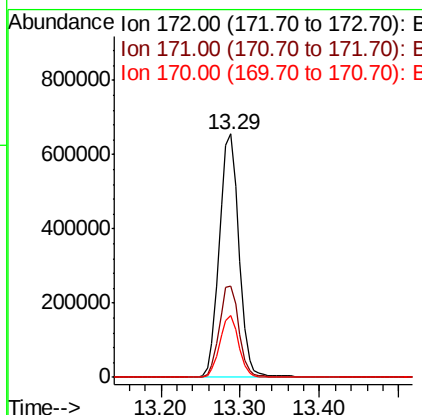
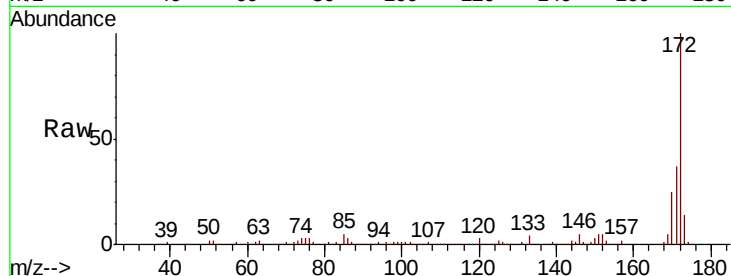




#45
 2-Fluorobiphenyl
 Concen: 120.151 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042317.D
 Acq: 18 Aug 2019 10:41

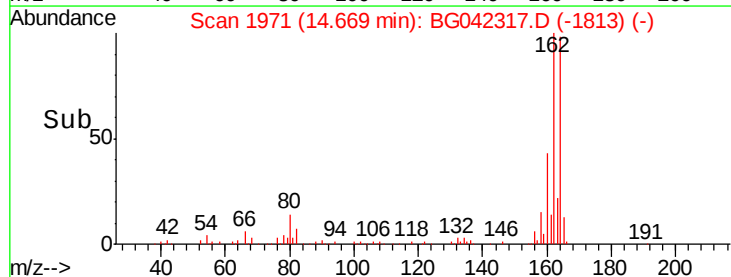
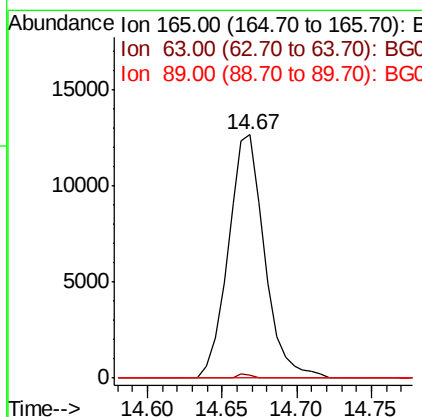
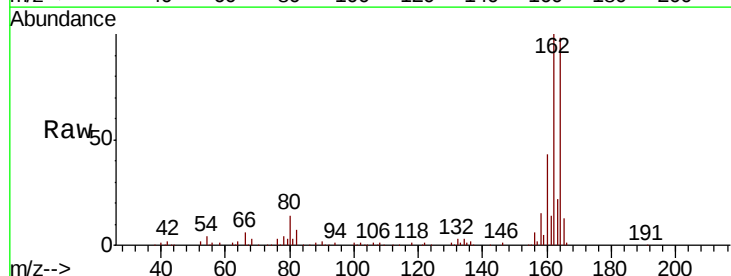
Instrument :
 BNA_G
 ClientSampleId :
 T8-B1-(0-4)

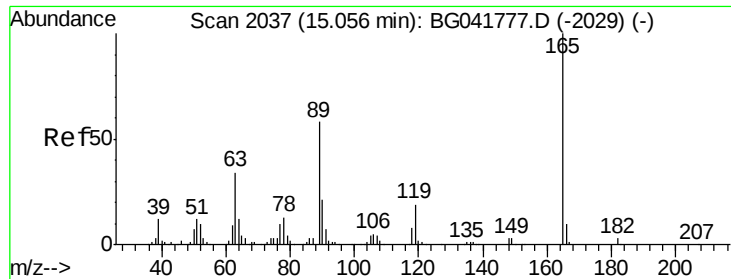
Tgt Ion:172 Resp: 1125383
 Ion Ratio Lower Upper
 172 100
 171 37.5 35.0 52.4
 170 25.2 23.5 35.3



#51
 2,6-Dinitrotoluene
 Concen: 9.072 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.40 min
 Lab File: BG042317.D
 Acq: 18 Aug 2019 10:41

Tgt Ion:165 Resp: 21402
 Ion Ratio Lower Upper
 165 100
 63 1.4 42.4 63.6#
 89 0.0 42.1 63.1#

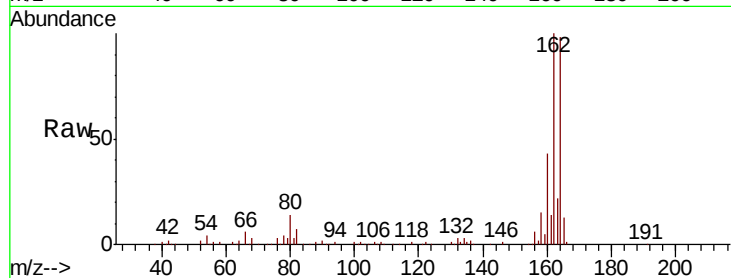




#57
 2,4-Dinitrotoluene
 Concen: 6.597 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.39 min
 Lab File: BG042317.D
 Acq: 18 Aug 2019 10:41

Instrument :
 BNA_G
 ClientSampleId :
 T8-B1-(0-4)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	31.7	47.5#
89	0.0	50.2	75.4#
182	0.0	2.6	4.0#



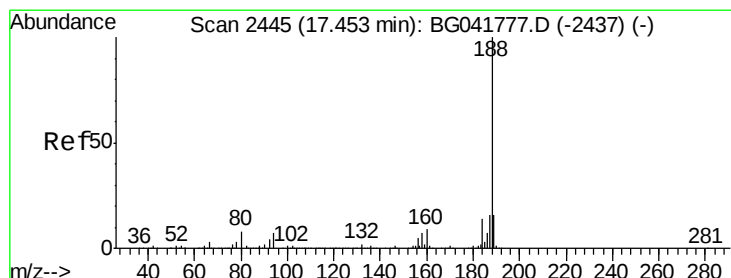
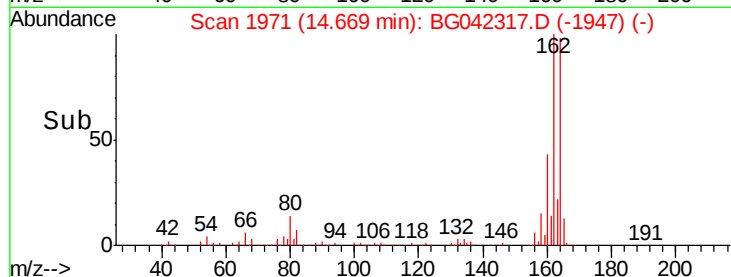
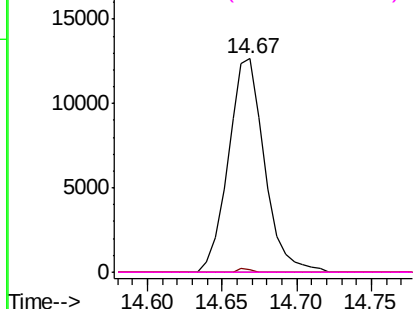
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

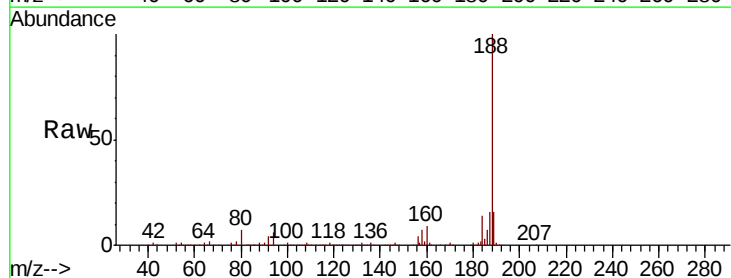
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.03 min
 Lab File: BG042317.D
 Acq: 18 Aug 2019 10:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	6.9	10.3#
80	6.7	8.0	12.0#

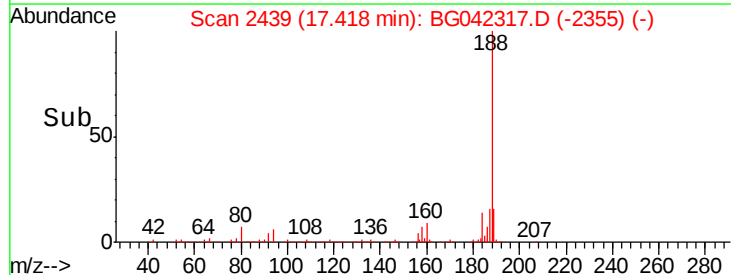
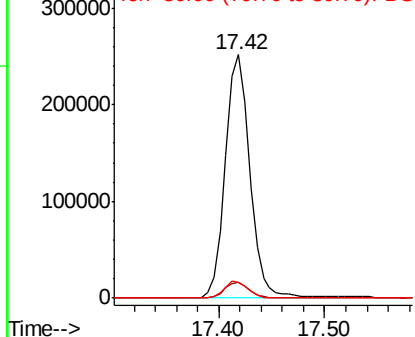


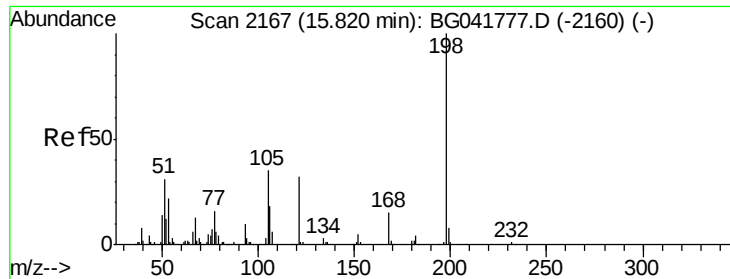
Abundance

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

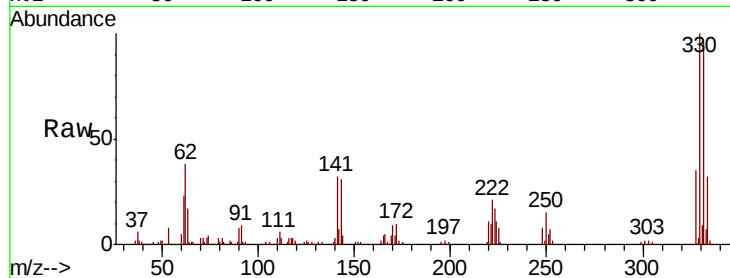




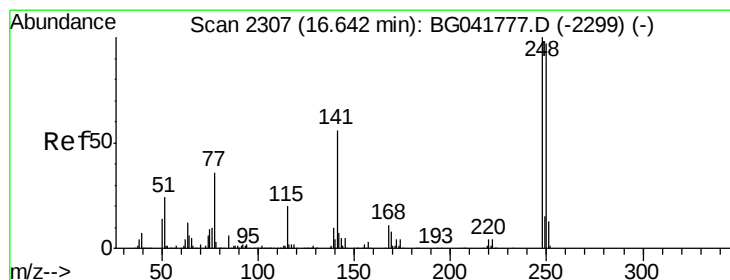
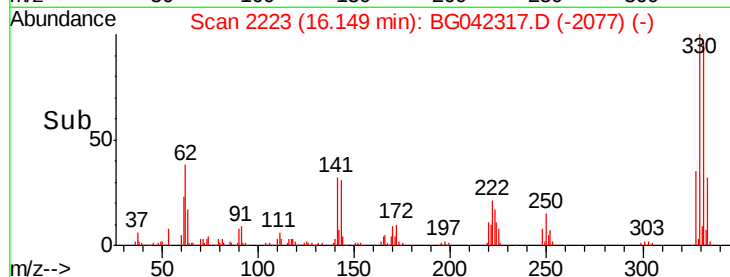
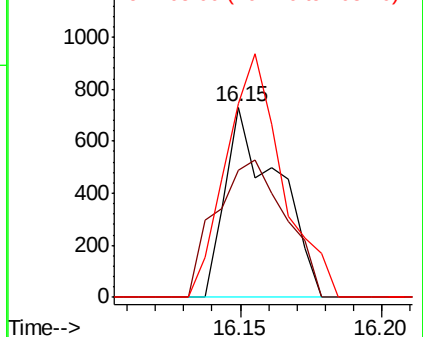
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.257 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.33 min
 Lab File: BG042317.D
 Acq: 18 Aug 2019 10:41

Instrument :
 BNA_G
 ClientSampleId :
 T8-B1-(0-4)

Tgt Ion:198 Resp: 940
 Ion Ratio Lower Upper
 198 100
 51 66.6 22.3 62.3#
 105 101.6 18.0 58.0#

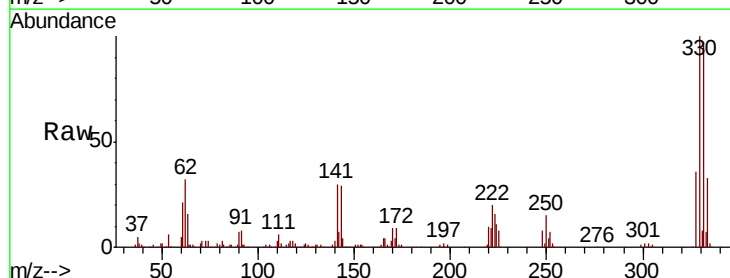


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

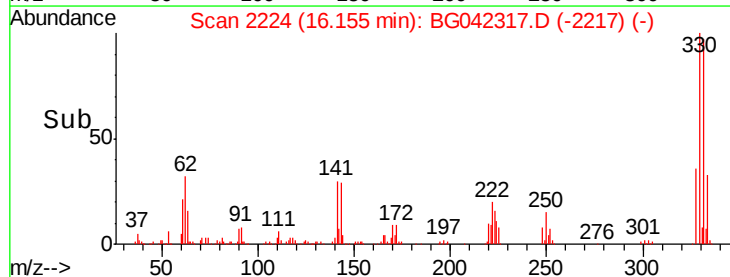
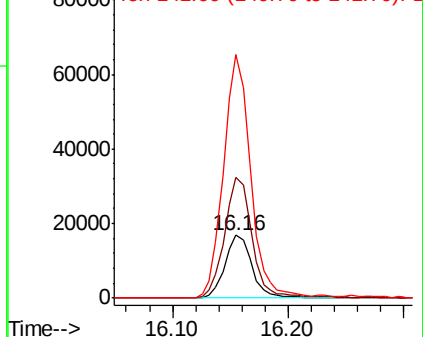


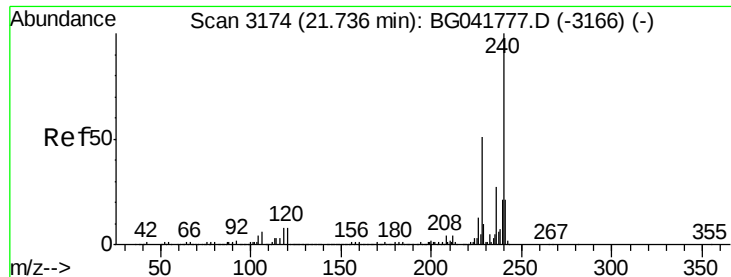
#67
 4-Bromophenyl-phenylether
 Concen: 5.473 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042317.D
 Acq: 18 Aug 2019 10:41

Tgt Ion:248 Resp: 27426
 Ion Ratio Lower Upper
 248 100
 250 192.8 78.1 117.1#
 141 386.8 49.6 74.4#



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: 21.69 min Scan# 3166

Delta R.T. -0.05 min

Lab File: BG042317.D

Acq: 18 Aug 2019 10:41

Instrument :

BNA_G

ClientSampleId :

T8-B1-(0-4)

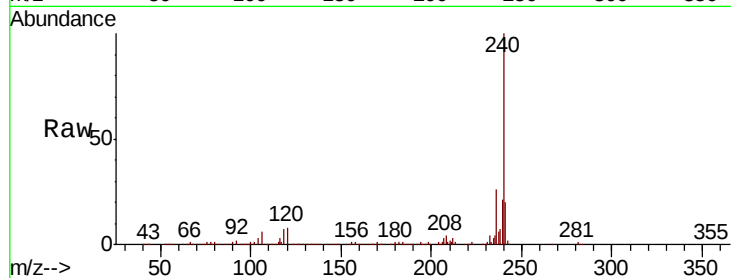
Tgt Ion:240 Resp: 456863

Ion Ratio Lower Upper

240 100

120 8.4 8.0 12.0

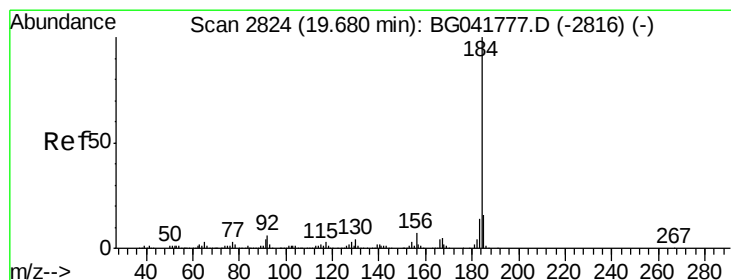
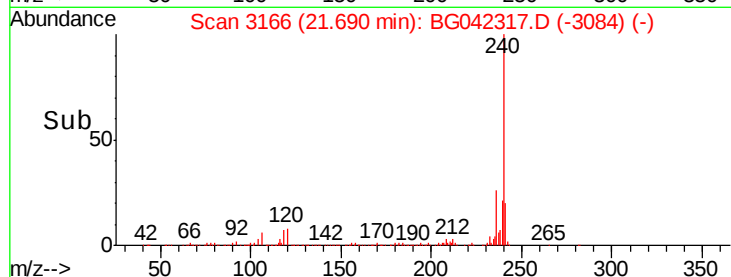
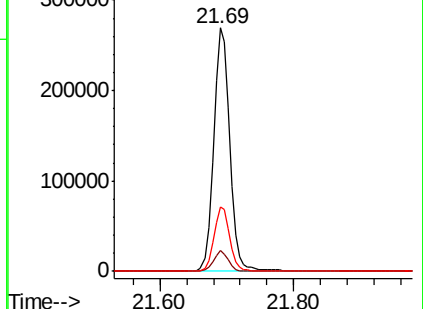
236 26.4 22.6 33.8



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: 2.060 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.35 min

Lab File: BG042317.D

Acq: 18 Aug 2019 10:41

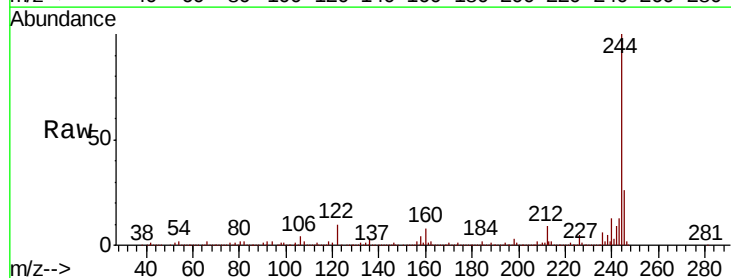
Tgt Ion:184 Resp: 30721

Ion Ratio Lower Upper

184 100

185 15.1 13.0 19.4

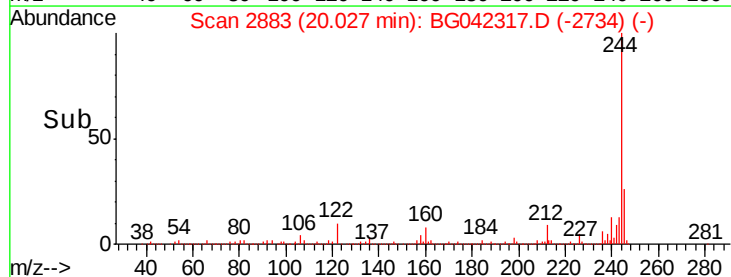
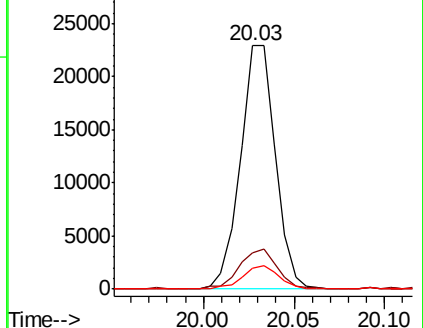
183 8.4 11.8 17.6#

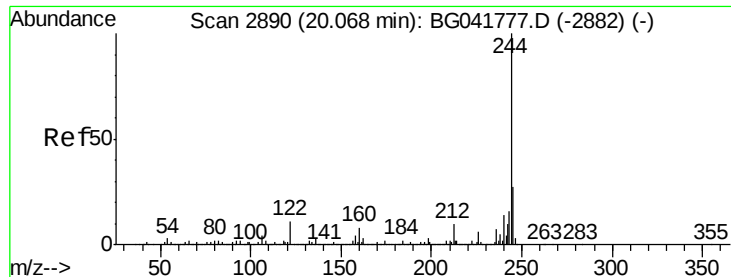


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 104.511 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042317.D

Acq: 18 Aug 2019 10:41

Instrument :

BNA_G

ClientSampleId :

T8-B1-(0-4)

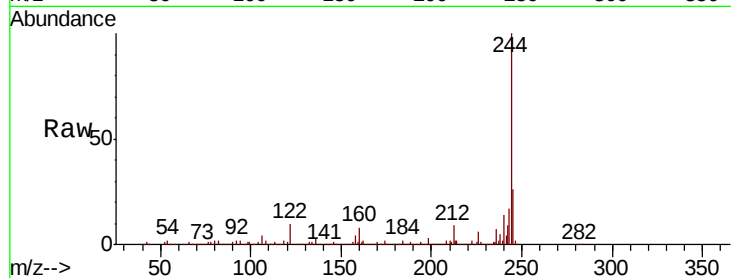
Tgt Ion:244 Resp: 2086624

Ion Ratio Lower Upper

244 100

212 9.1 9.7 14.5#

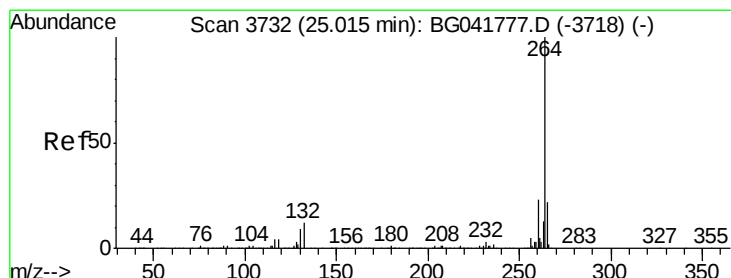
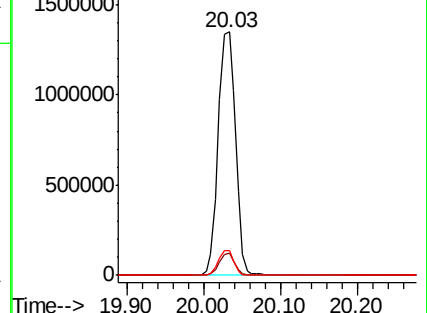
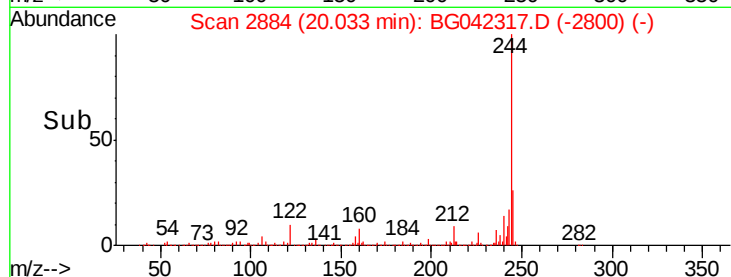
122 10.0 12.5 18.7#



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: 24.93 min Scan# 3718

Delta R.T. -0.08 min

Lab File: BG042317.D

Acq: 18 Aug 2019 10:41

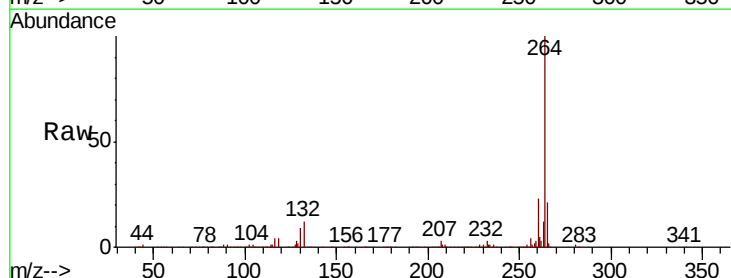
Tgt Ion:264 Resp: 523530

Ion Ratio Lower Upper

264 100

260 22.7 19.5 29.3

265 21.2 18.0 27.0



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

