

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042314.D
 Acq On : 18 Aug 2019 8:46
 Operator : HP/JU
 Sample : K4324-13
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T8-E1-(0-4)

Quant Time: Aug 19 06:00:39 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

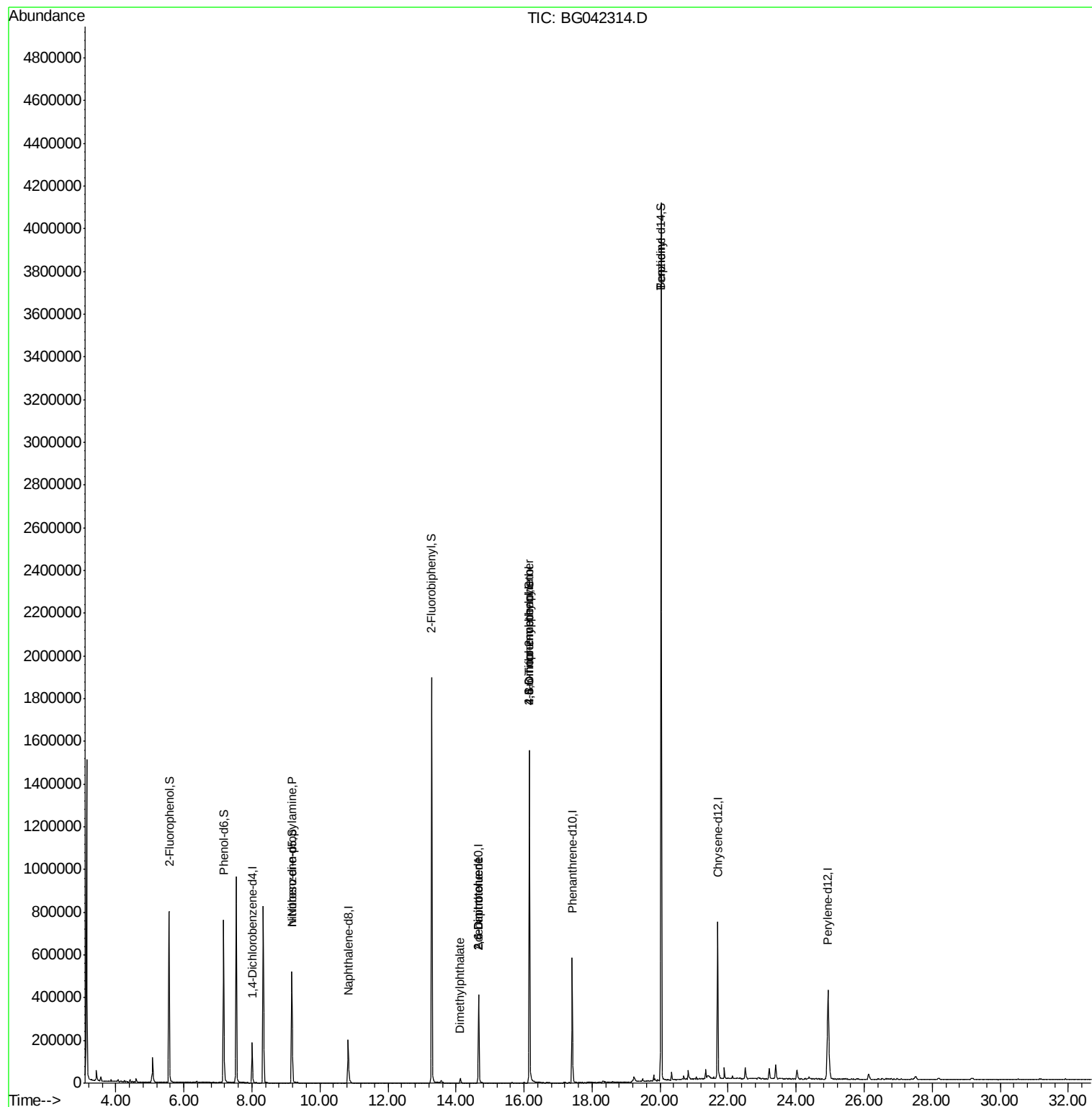
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	62625	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	232740	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	169053	20.00	ng	-0.04
64) Phenanthrene-d10	17.41	188	411877	20.00	ng	-0.04
76) Chrysene-d12	21.69	240	456755	20.00	ng	-0.04
87) Perylene-d12	24.94	264	525859	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	420628	130.68	ng	-0.03
7) Phenol-d6	7.17	99	523318	120.60	ng	-0.03
23) Nitrobenzene-d5	9.17	82	360384	106.56	ng	-0.04
42) 2,4,6-Tribromophenol	16.16	330	373562	194.54	ng	-0.03
45) 2-Fluorobiphenyl	13.28	172	1101437	114.91	ng	-0.04
79) Terphenyl-d14	20.03	244	2062983	103.35	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	44961	14.271	ng	# 63
50) Dimethylphthalate	14.12	163	29458	2.551	ng	# 98
51) 2,6-Dinitrotoluene	14.67	165	21916	9.078	ng	# 26
57) 2,4-Dinitrotoluene	14.67	165	21916	6.601	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.16	198	767	7.178	ng	# 36
67) 4-Bromophenyl-phenylether	16.16	248	26375	5.199	ng	# 1
77) Benzidine	20.03	184	30258	2.030	ng	# 92

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

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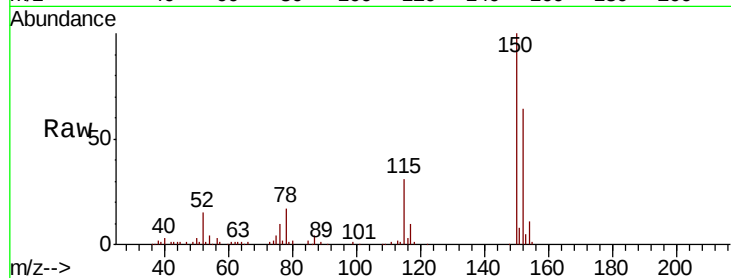




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. -0.04 min
 Lab File: BG042314.D
 Acq: 18 Aug 2019 8:46

Instrument :
 BNA_G
 ClientSampleId :
 T8-E1-(0-4)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.9	190.3
115	49.0	45.0	67.6

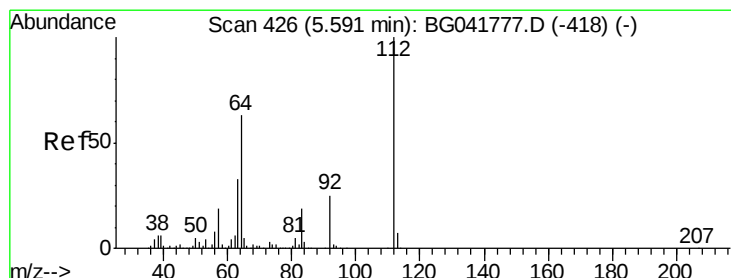
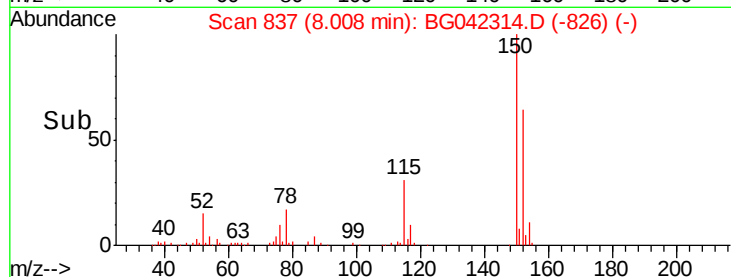
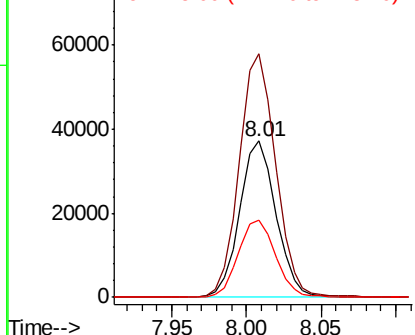


Abundance

Ion 152.00 (151.70 to 152.70): E

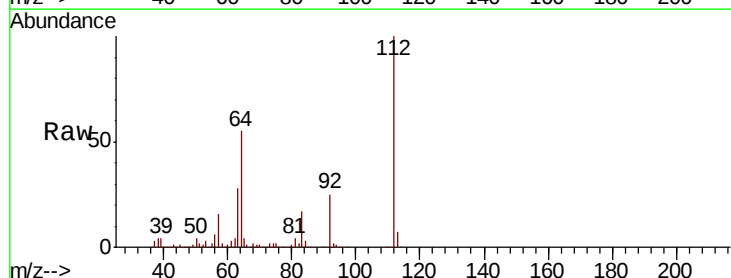
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 130.680 ng
 RT: 5.56 min Scan# 421
 Delta R.T. -0.03 min
 Lab File: BG042314.D
 Acq: 18 Aug 2019 8:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	55.4	83.2#
63	28.4	29.1	43.7#

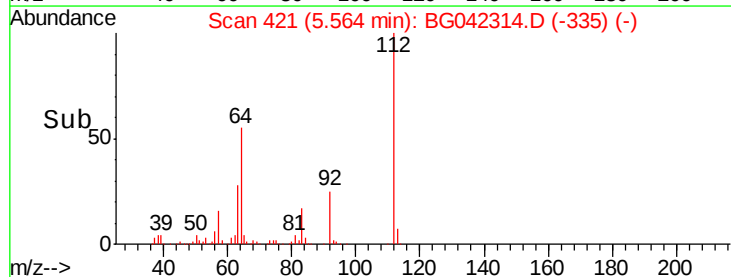
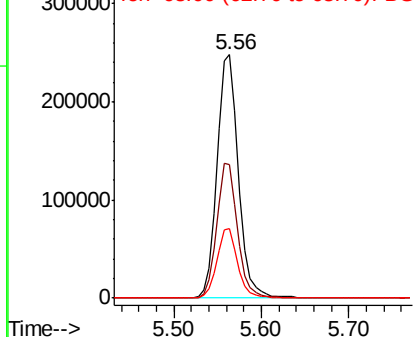


Abundance

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: 120.596 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042314.D

Acq: 18 Aug 2019 8:46

Instrument :

BNA_G

ClientSampleId :

T8-E1-(0-4)

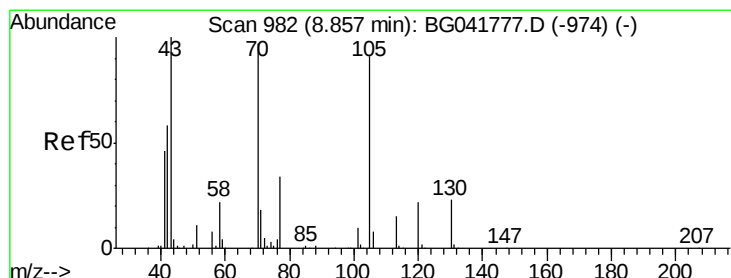
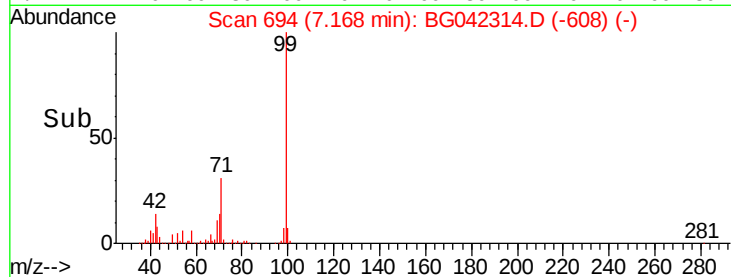
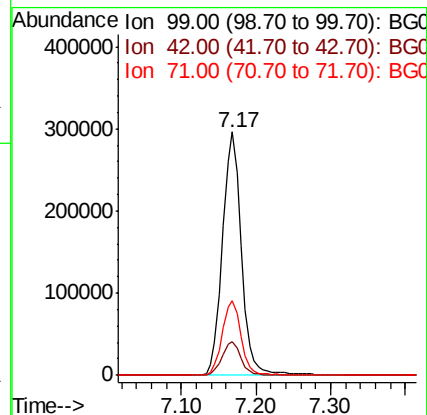
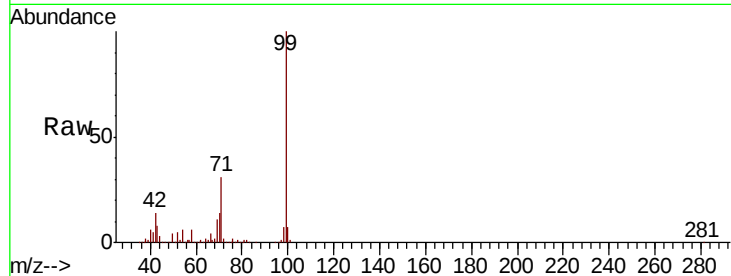
Tgt Ion: 99 Resp: 523318

Ion Ratio Lower Upper

99 100

42 13.7 17.6 26.4#

71 30.9 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.271 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042314.D

Acq: 18 Aug 2019 8:46

Tgt Ion: 70 Resp: 44961

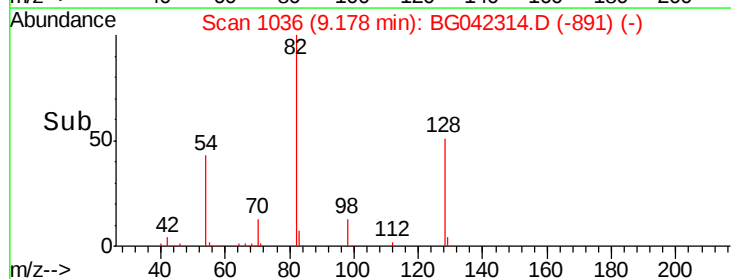
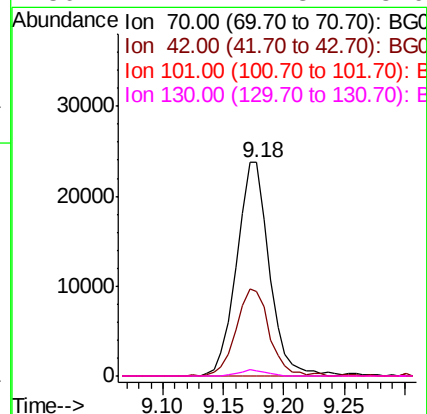
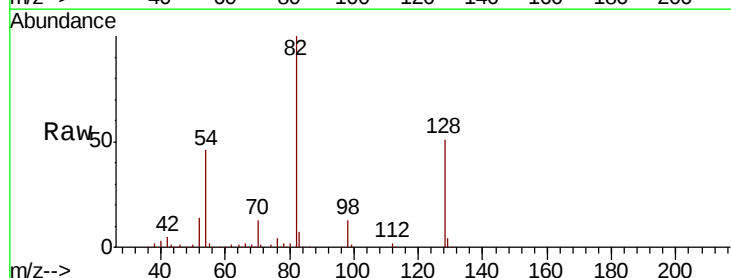
Ion Ratio Lower Upper

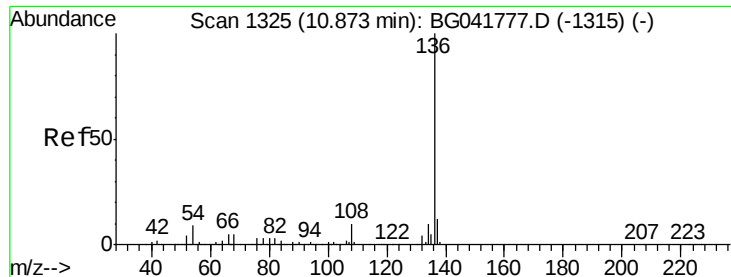
70 100

42 39.5 55.8 83.6#

101 0.0 8.1 12.1#

130 2.2 17.3 25.9#

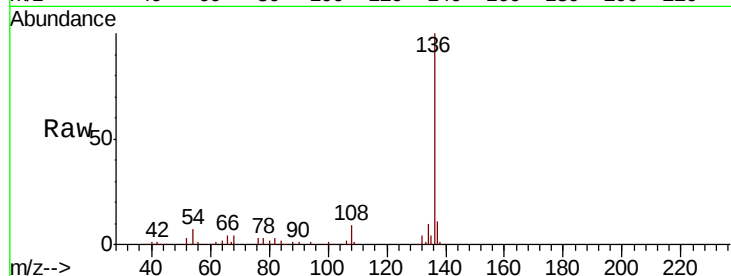




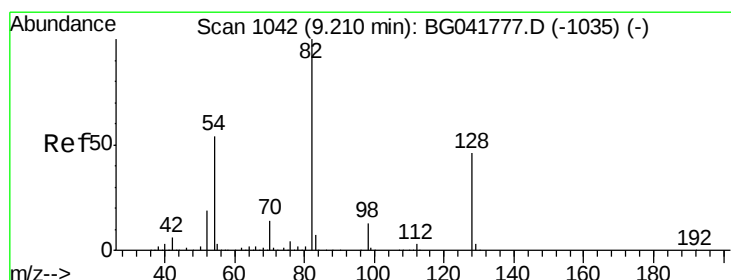
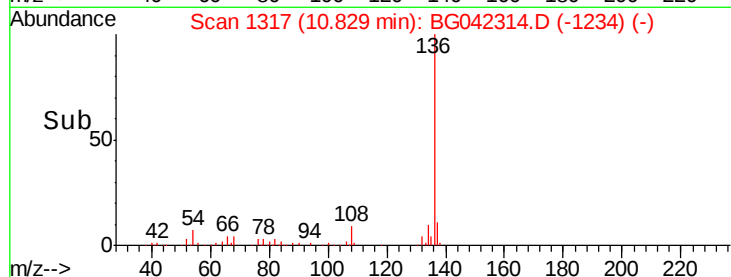
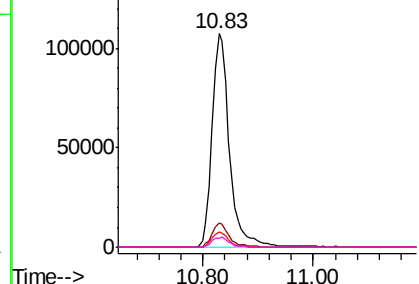
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.04 min
Lab File: BG042314.D
Acq: 18 Aug 2019 8:46

Instrument :
BNA_G
ClientSampleId :
T8-E1-(0-4)

Tgt Ion:	136	Resp:	232740
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.0	8.7	13.1#
68	4.0	5.5	8.3#

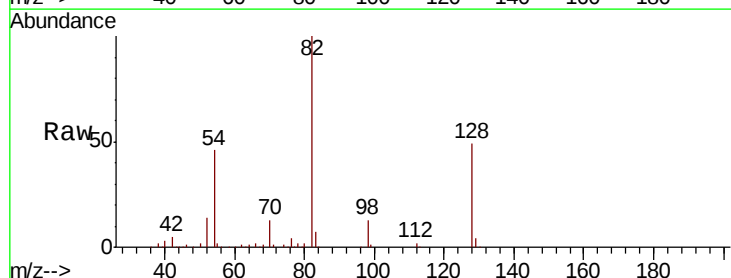


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

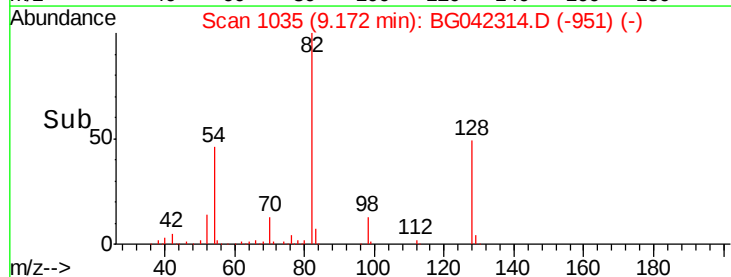
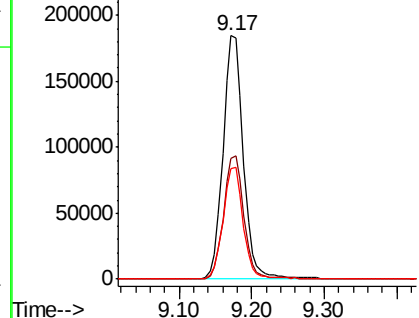


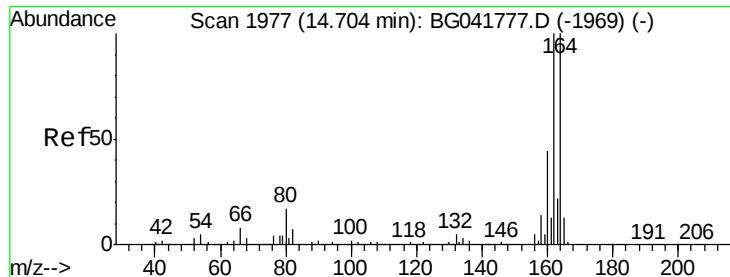
#23
Nitrobenzene-d5
Concen: 106.558 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.04 min
Lab File: BG042314.D
Acq: 18 Aug 2019 8:46

Tgt Ion:	82	Resp:	360384
Ion	Ratio	Lower	Upper
82	100		
128	49.4	35.1	52.7
54	45.5	48.7	73.1#



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

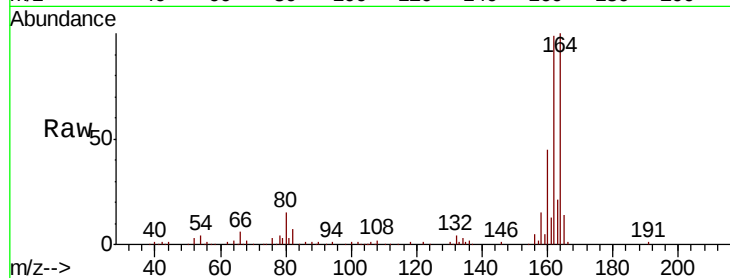




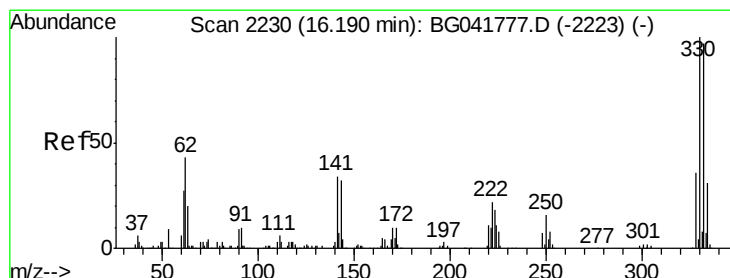
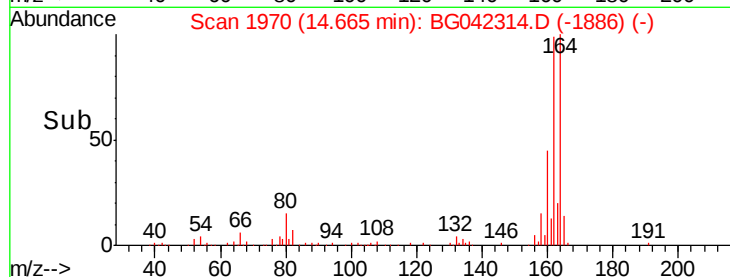
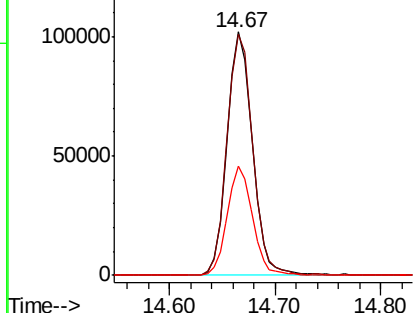
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.04 min
Lab File: BG042314.D
Acq: 18 Aug 2019 8:46

Instrument :
BNA_G
ClientSampleId :
T8-E1-(0-4)

Tgt Ion:164 Resp: 169053
Ion Ratio Lower Upper
164 100
162 98.9 79.6 119.4
160 44.6 35.4 53.0

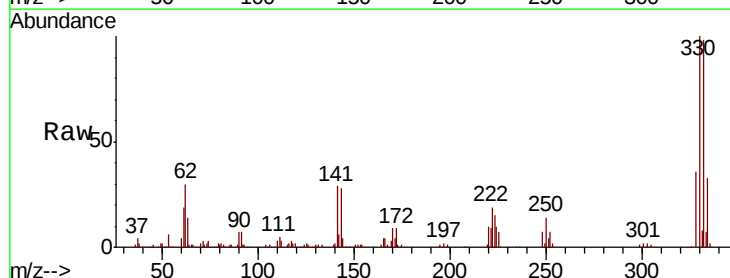


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

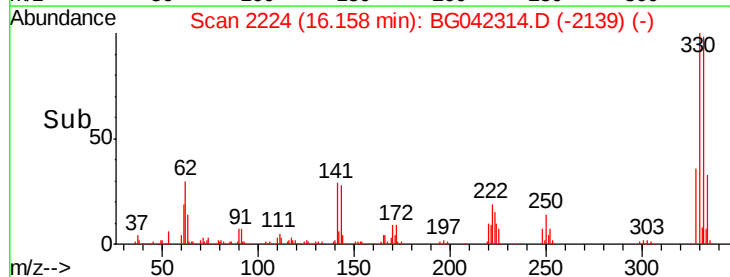
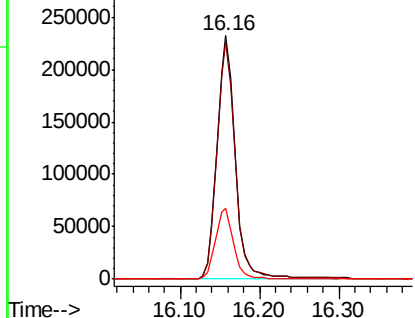


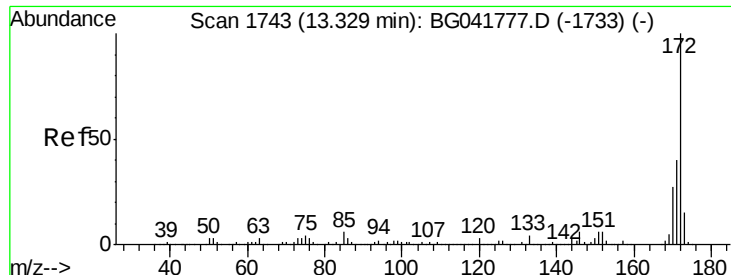
#42
2,4,6-Tribromophenol
Concen: 194.542 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.03 min
Lab File: BG042314.D
Acq: 18 Aug 2019 8:46

Tgt Ion:330 Resp: 373562
Ion Ratio Lower Upper
330 100
332 98.2 77.4 116.0
141 28.8 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

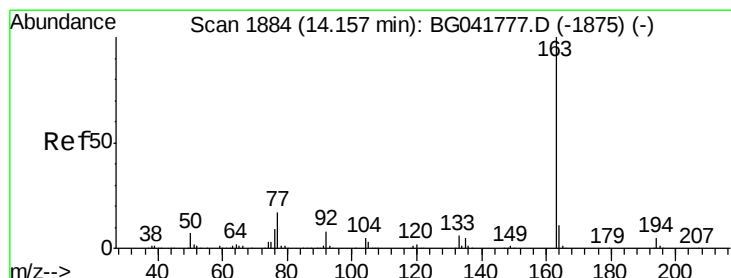
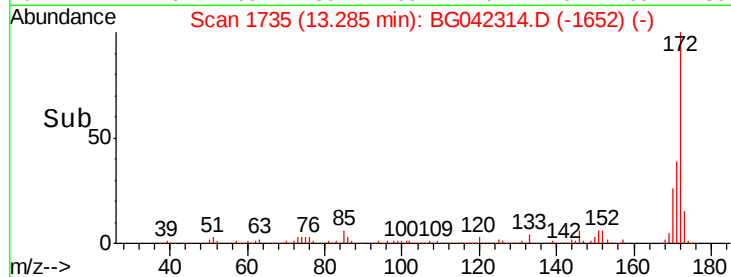
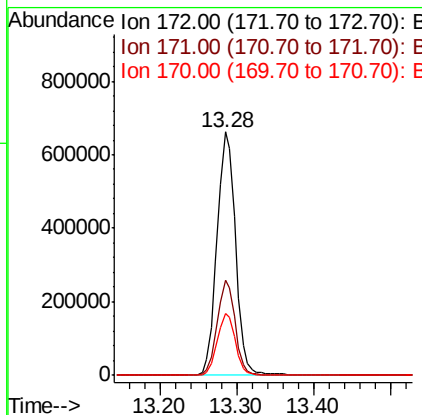
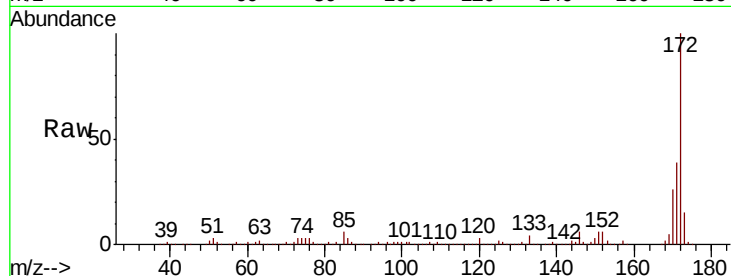




#45
 2-Fluorobiphenyl
 Concen: 114.912 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.04 min
 Lab File: BG042314.D
 Acq: 18 Aug 2019 8:46

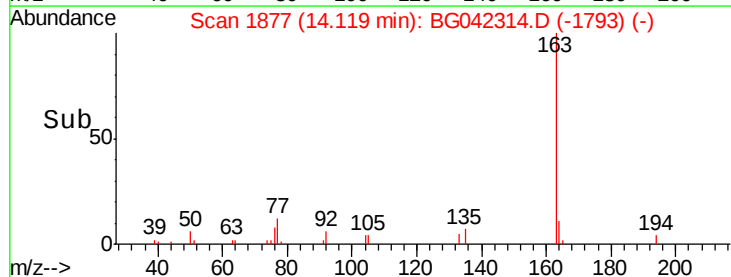
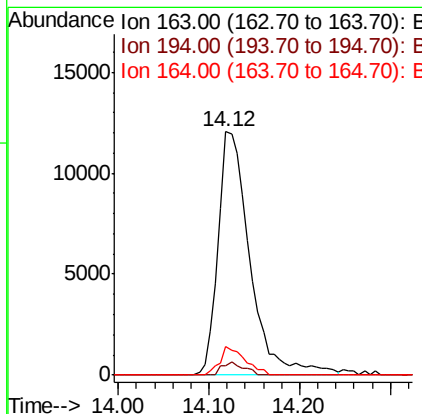
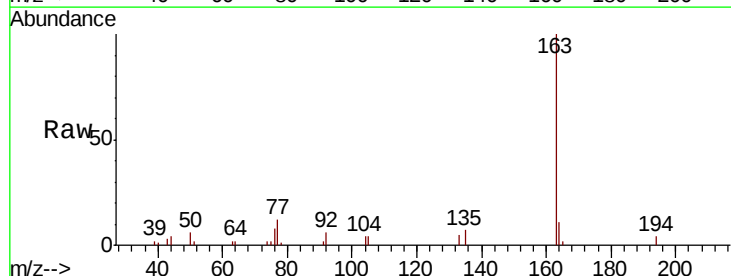
Instrument :
 BNA_G
 ClientSampleId :
 T8-E1-(0-4)

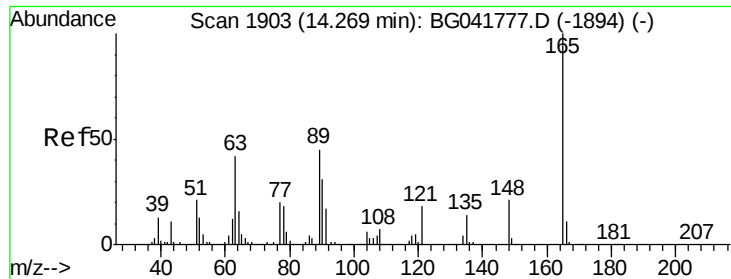
Tgt Ion:172 Resp: 1101437
 Ion Ratio Lower Upper
 172 100
 171 39.3 35.0 52.4
 170 25.5 23.5 35.3



#50
 Dimethylphthalate
 Concen: 2.551 ng
 RT: 14.12 min Scan# 1877
 Delta R.T. -0.04 min
 Lab File: BG042314.D
 Acq: 18 Aug 2019 8:46

Tgt Ion:163 Resp: 29458
 Ion Ratio Lower Upper
 163 100
 194 3.7 4.2 6.2#
 164 11.5 9.4 14.2

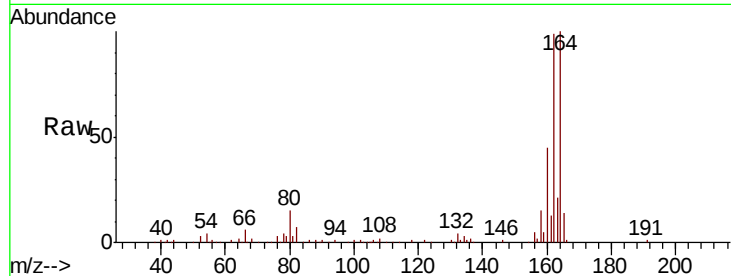




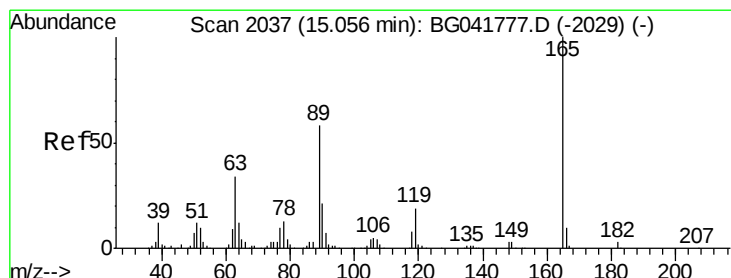
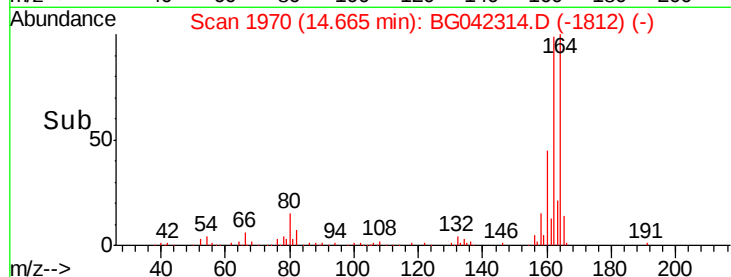
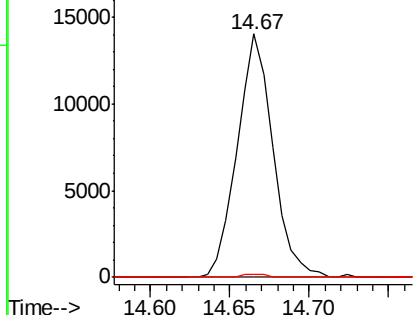
#51
 2,6-Dinitrotoluene
 Concen: 9.078 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG042314.D
 Acq: 18 Aug 2019 8:46

Instrument :
 BNA_G
 ClientSampleId :
 T8-E1-(0-4)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	1.1	42.1	63.1#



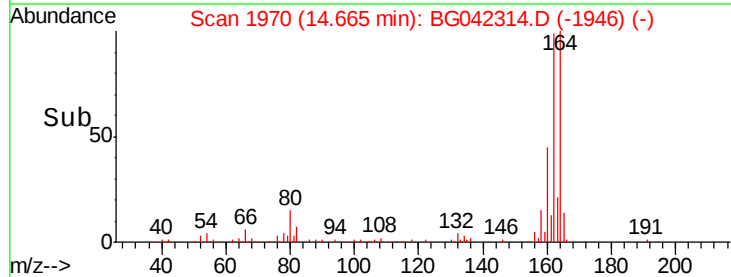
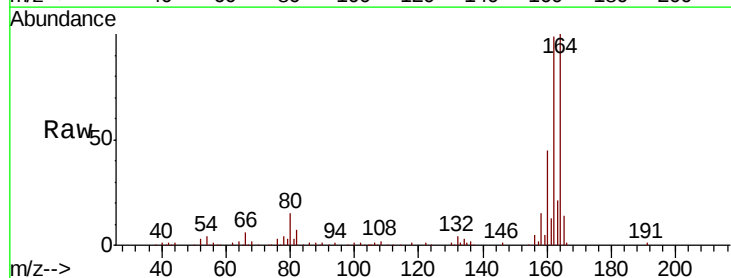
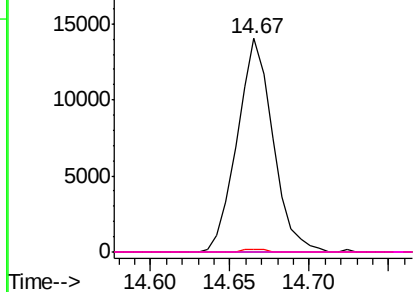
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

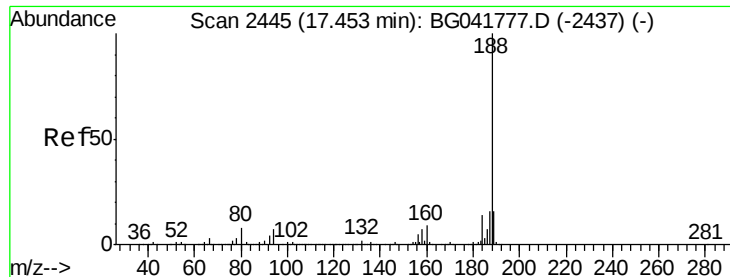


#57
 2,4-Dinitrotoluene
 Concen: 6.601 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042314.D
 Acq: 18 Aug 2019 8:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	1.1	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: 17.41 min Scan# 2438

Delta R.T. -0.04 min

Lab File: BG042314.D

Acq: 18 Aug 2019 8:46

Instrument :

BNA_G

ClientSampled :

T8-E1-(0-4)

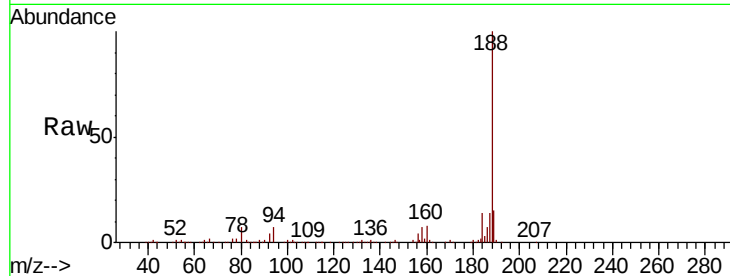
Tgt Ion:188 Resp: 411877

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

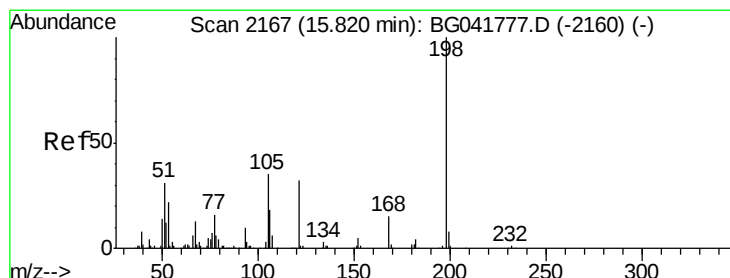
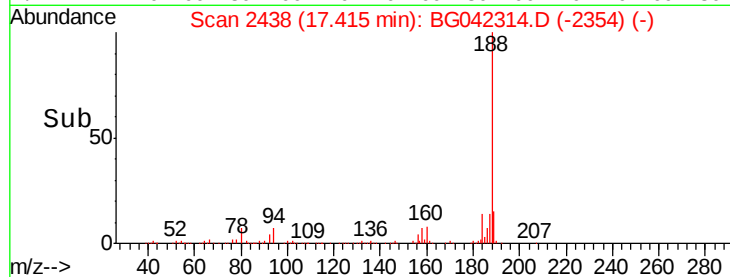
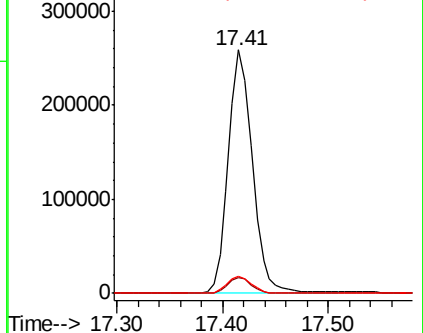
80 6.9 8.0 12.0#



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: 7.178 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.34 min

Lab File: BG042314.D

Acq: 18 Aug 2019 8:46

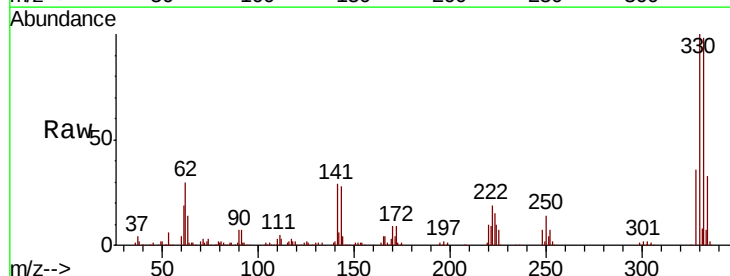
Tgt Ion:198 Resp: 767

Ion Ratio Lower Upper

198 100

51 63.0 22.3 62.3#

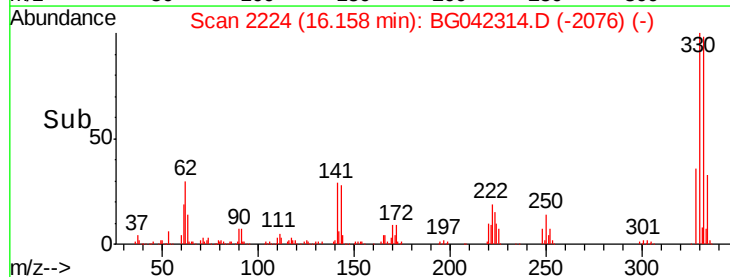
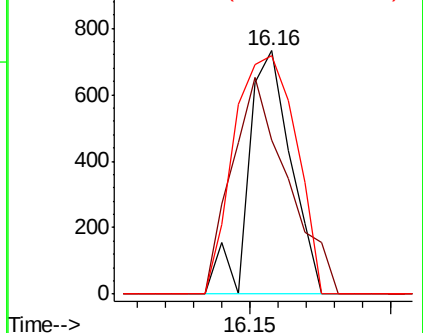
105 98.1 18.0 58.0#

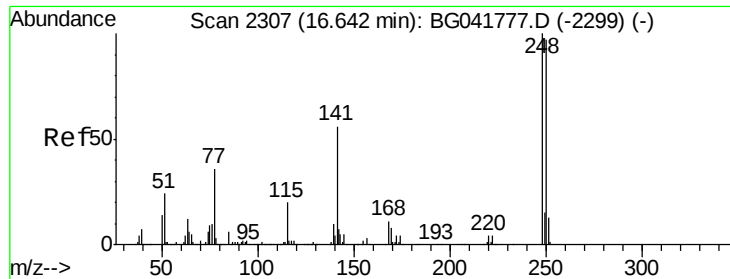


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

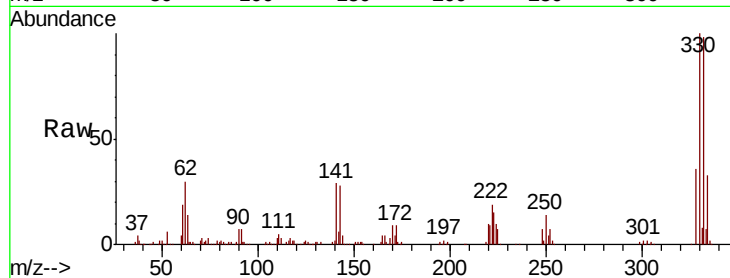




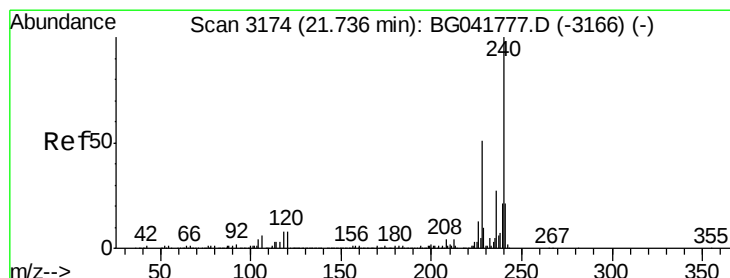
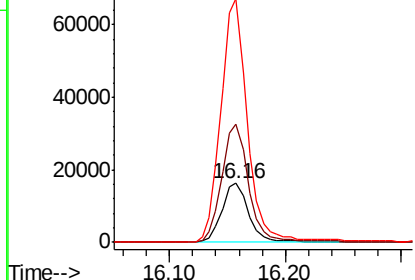
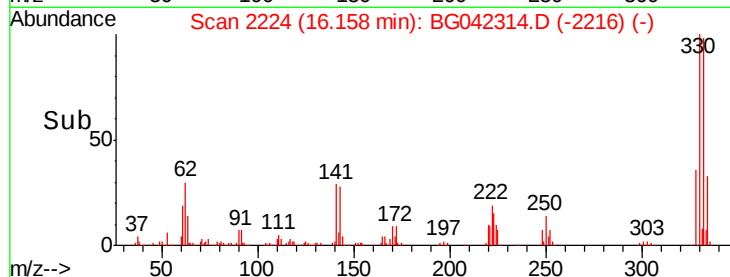
#67
 4-Bromophenyl-phenylether
 Concen: 5.199 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.48 min
 Lab File: BG042314.D
 Acq: 18 Aug 2019 8:46

Instrument :
 BNA_G
 ClientSampleId :
 T8-E1-(0-4)

Tgt Ion:248 Resp: 26375
 Ion Ratio Lower Upper
 248 100
 250 200.2 78.1 117.1#
 141 413.8 49.6 74.4#

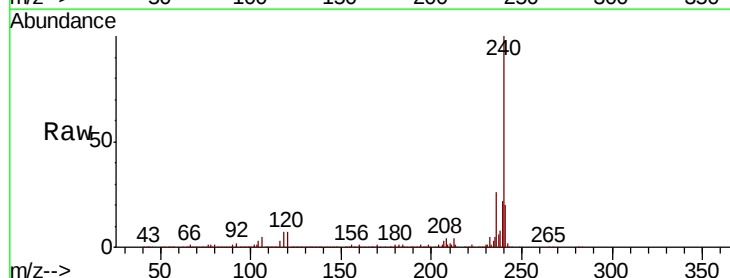


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

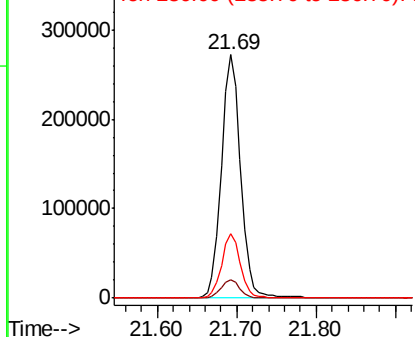
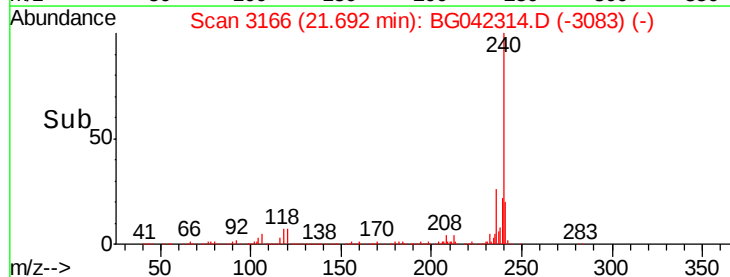


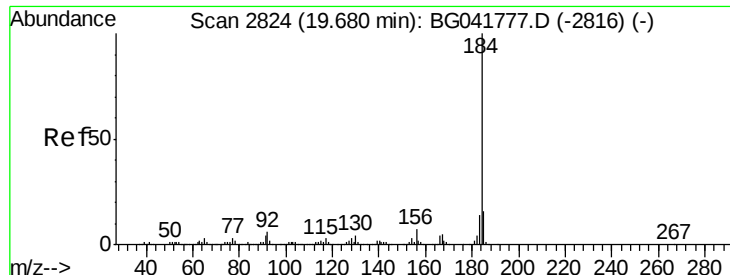
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.04 min
 Lab File: BG042314.D
 Acq: 18 Aug 2019 8:46

Tgt Ion:240 Resp: 456755
 Ion Ratio Lower Upper
 240 100
 120 7.4 8.0 12.0#
 236 26.5 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: 2.030 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.35 min

Lab File: BG042314.D

Acq: 18 Aug 2019 8:46

Instrument :

BNA_G

ClientSampleId :

T8-E1-(0-4)

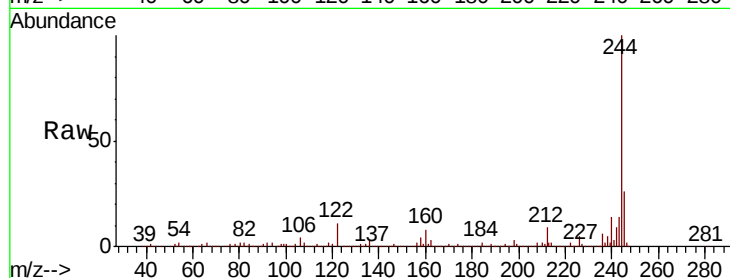
Tgt Ion:184 Resp: 30258

Ion Ratio Lower Upper

184 100

185 18.4 13.0 19.4

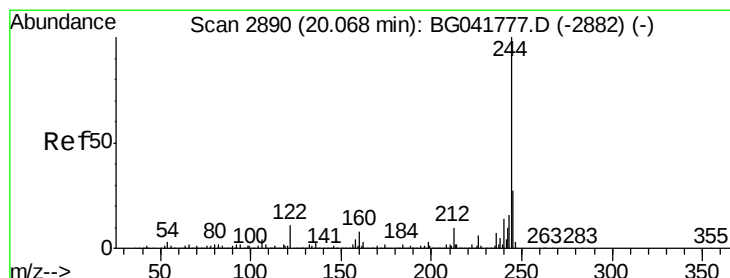
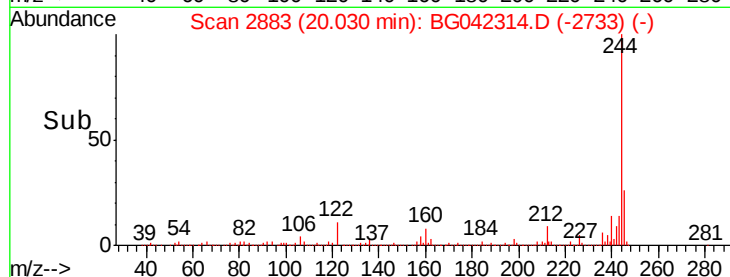
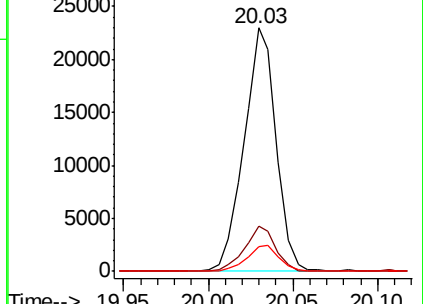
183 10.3 11.8 17.6#



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: 103.352 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.04 min

Lab File: BG042314.D

Acq: 18 Aug 2019 8:46

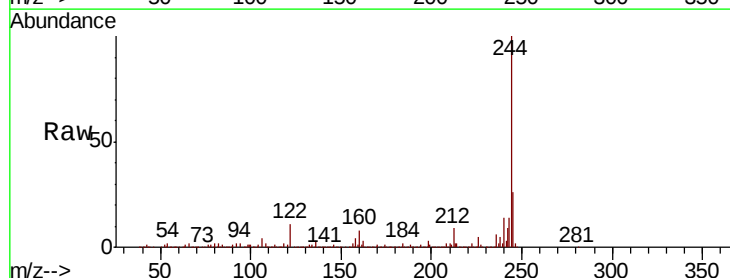
Tgt Ion:244 Resp: 2062983

Ion Ratio Lower Upper

244 100

212 8.8 9.7 14.5#

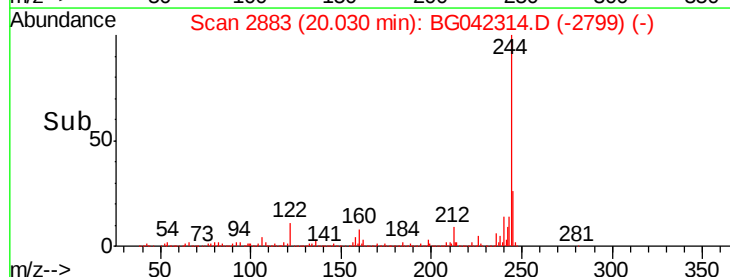
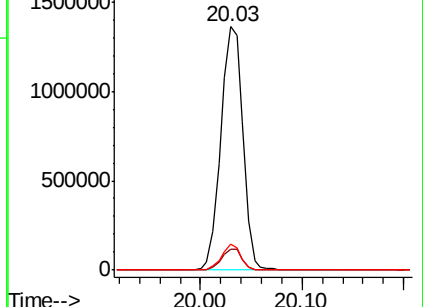
122 10.6 12.5 18.7#

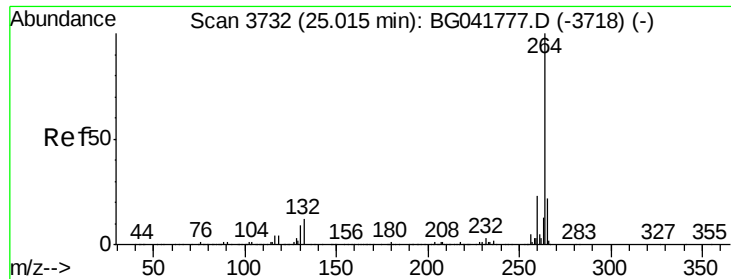


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.94 min Scan# 3718
Delta R.T. -0.08 min
Lab File: BG042314.D
Acq: 18 Aug 2019 8:46

Instrument :
BNA_G
ClientSampleId :
T8-E1-(0-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.2	18.0	27.0

