

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\
 Data File : BG041317.D
 Acq On : 19 Jun 2019 4:51
 Operator : HP/JU
 Sample : K3157-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 19 05:43:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

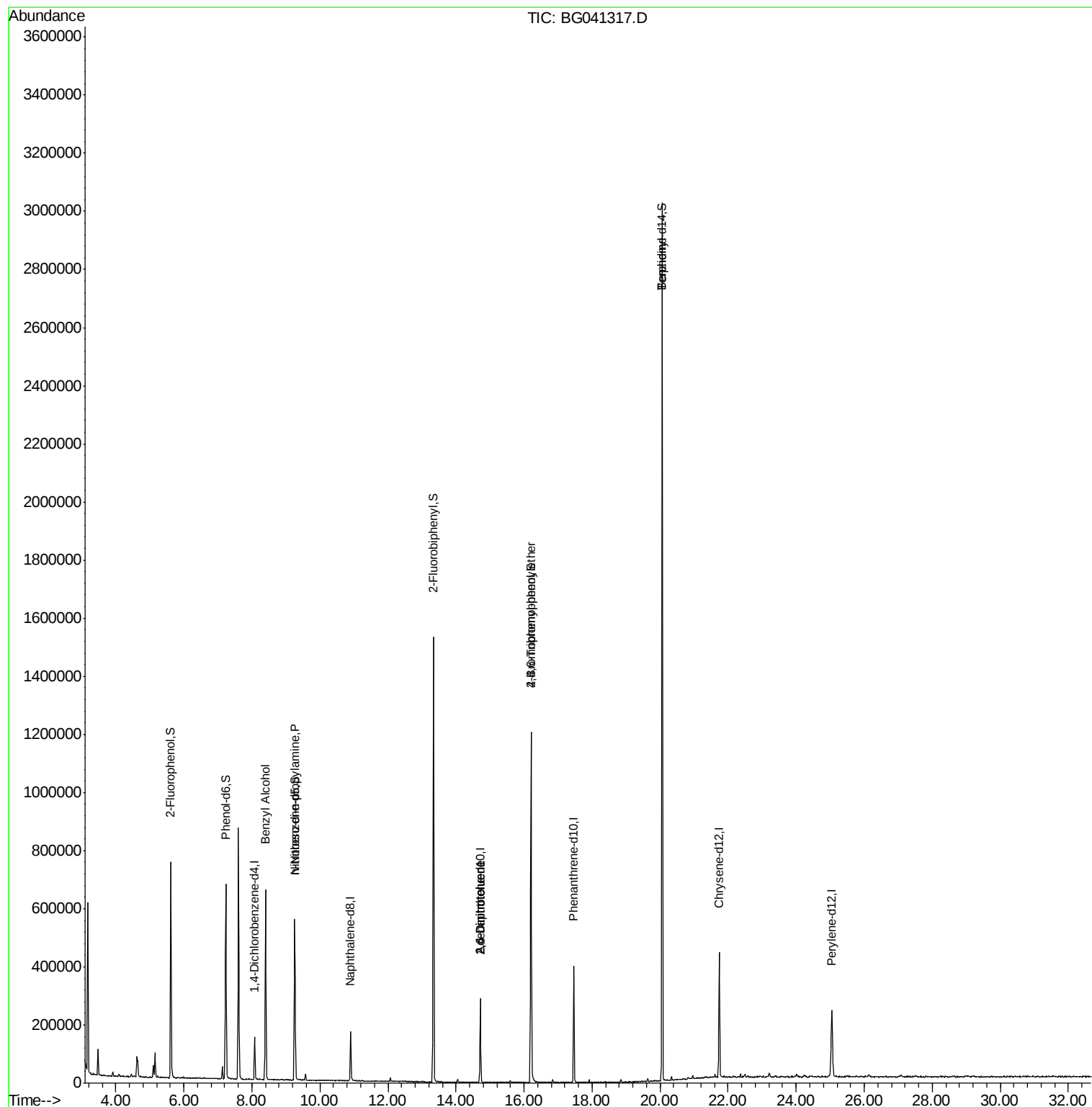
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	36624	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	141966	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	103363	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	253874	20.00	ng	0.00
76) Chrysene-d12	21.74	240	263974	20.00	ng	0.00
87) Perylene-d12	25.05	264	273847	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	270987	135.95	ng	0.00
7) Phenol-d6	7.23	99	329794	114.15	ng	0.00
23) Nitrobenzene-d5	9.26	82	335752	99.46	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	226895	142.98	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	747738	98.32	ng	0.00
79) Terphenyl-d14	20.06	244	1340929	100.67	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.40	79	5905	2.133	ng	# 59
19) n-Nitroso-di-n-propylamine	9.26	70	48867	20.912	ng	# 81
51) 2,6-Dinitrotoluene	14.71	165	12572	6.483	ng	# 16
57) 2,4-Dinitrotoluene	14.71	165	12572	4.435	ng	# 19
67) 4-Bromophenyl-phenylether	16.20	248	16641	5.069	ng	# 1
77) Benzidine	20.06	184	23374	3.661	ng	# 91

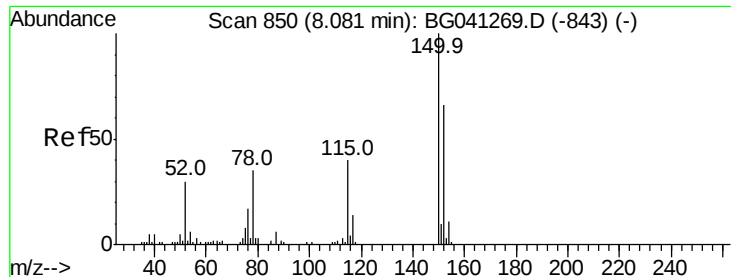
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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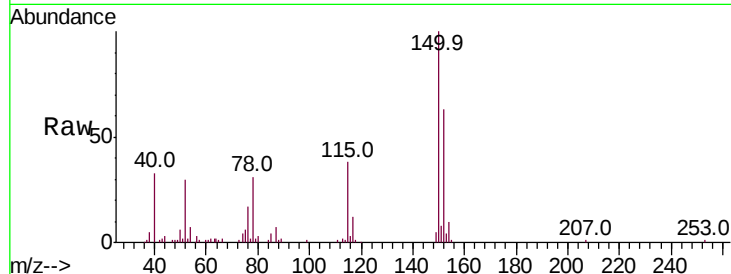


#1

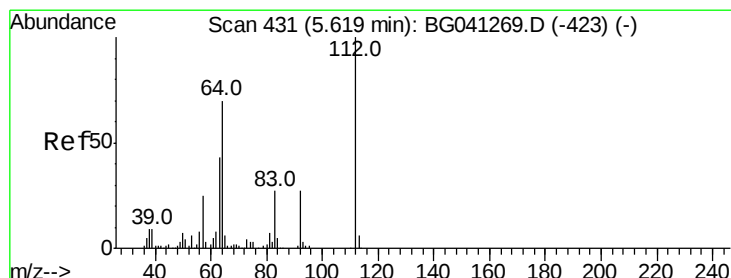
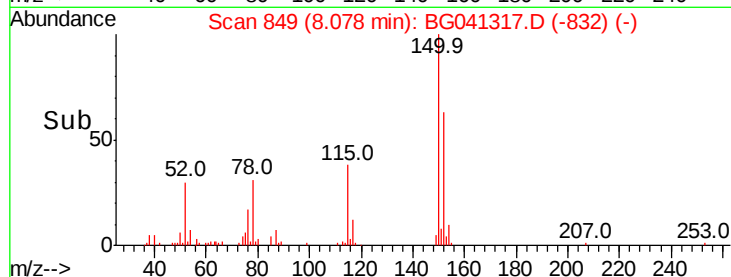
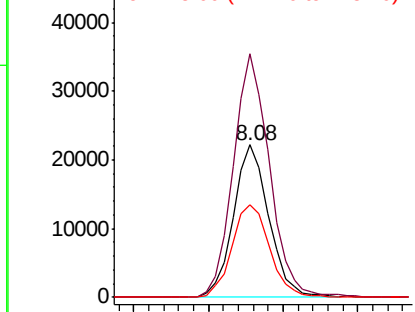
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041317.D
Acq: 19 Jun 2019 4:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36624
Ion Ratio Lower Upper
152 100
150 159.5 120.6 181.0
115 61.0 47.9 71.9



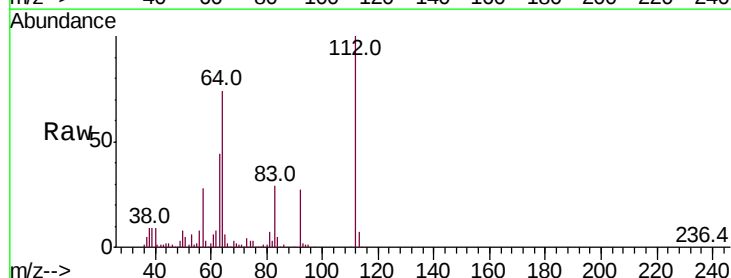
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



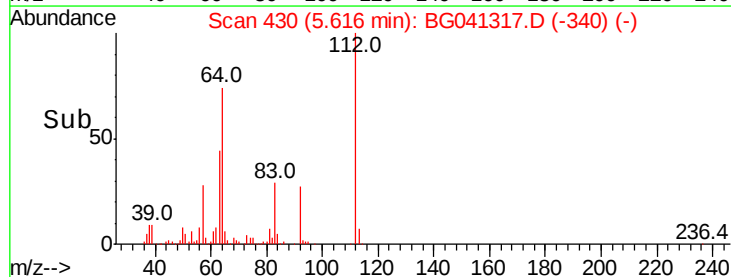
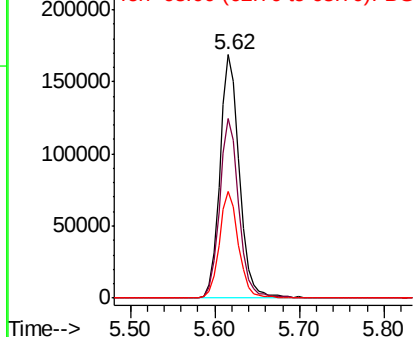
#5

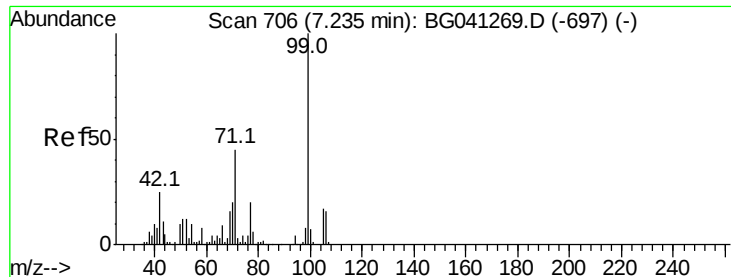
2-Fluorophenol
Concen: 135.953 ng
RT: 5.62 min Scan# 430
Delta R.T. -0.00 min
Lab File: BG041317.D
Acq: 19 Jun 2019 4:51

Tgt Ion:112 Resp: 270987
Ion Ratio Lower Upper
112 100
64 74.0 55.9 83.9
63 43.6 34.6 51.8



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: 114.147 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG041317.D

Acq: 19 Jun 2019 4:51

Instrument :

BNA_G

ClientSampled :

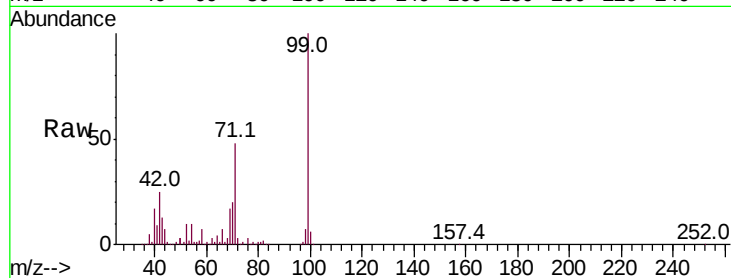
Tot Ion: 99 Resp: 329794

Ion Ratio Lower Upper

99 100

42 25.2 19.9 29.9

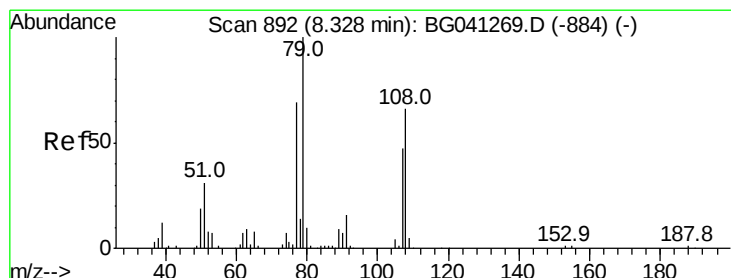
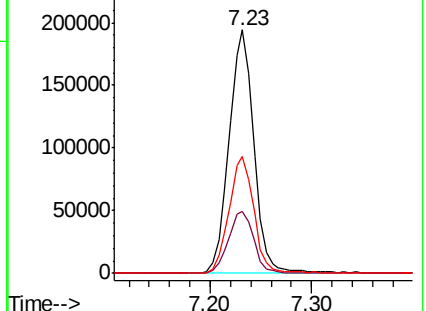
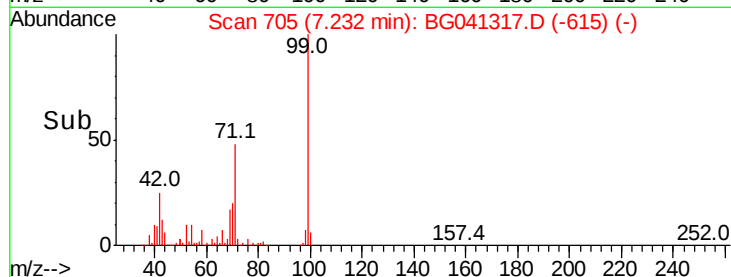
71 48.1 36.4 54.6



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: 2.133 ng

RT: 8.40 min Scan# 904

Delta R.T. 0.07 min

Lab File: BG041317.D

Acq: 19 Jun 2019 4:51

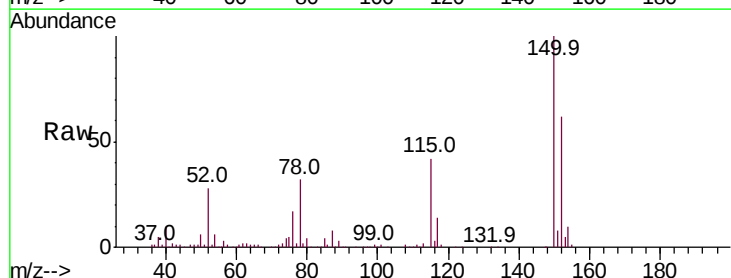
Tgt Ion: 79 Resp: 5905

Ion Ratio Lower Upper

79 100

108 27.4 52.7 79.1#

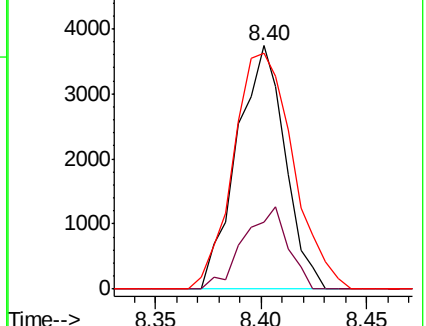
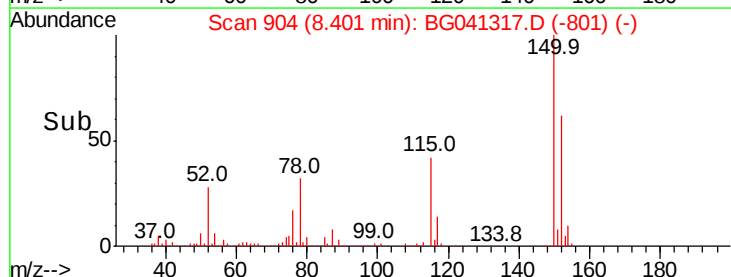
77 96.7 55.2 82.8#

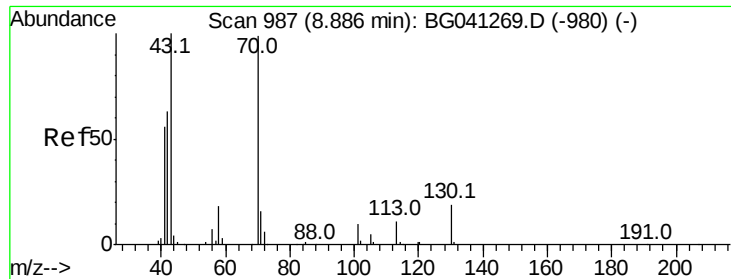


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

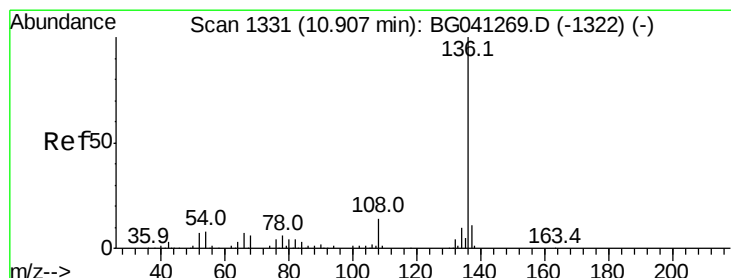
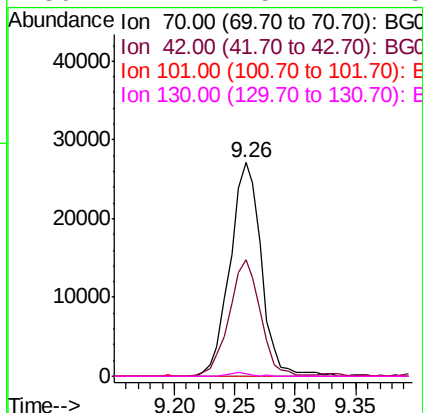
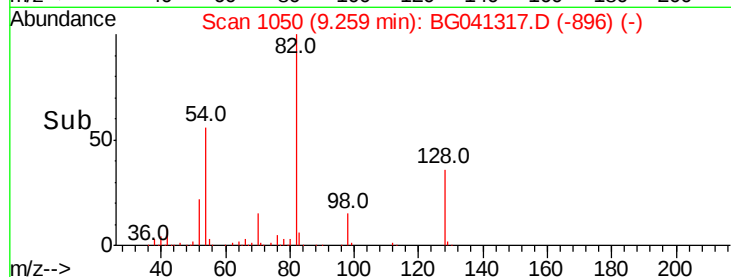
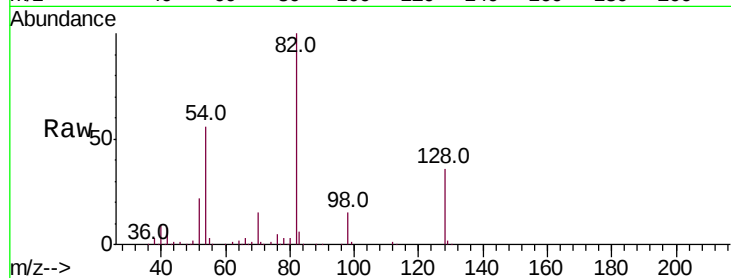




#19
n-Nitroso-di-n-propylamine
Concen: 20.912 ng
RT: 9.26 min Scan# 1050
Delta R.T. 0.37 min
Lab File: BG041317.D
Acq: 19 Jun 2019 4:51

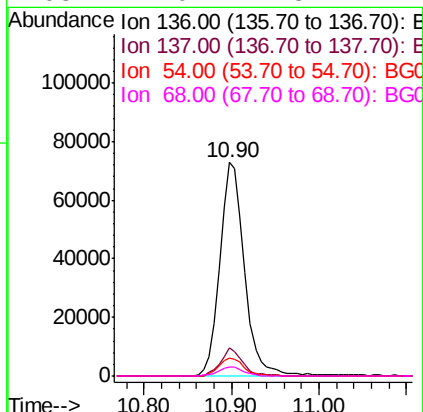
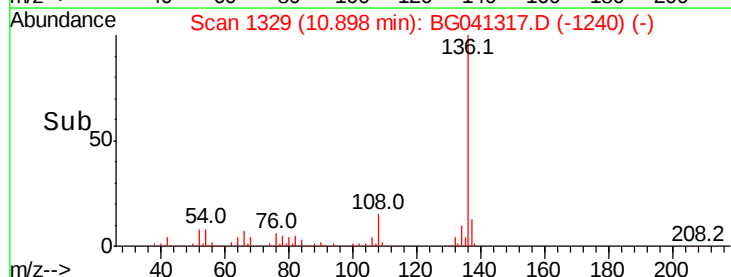
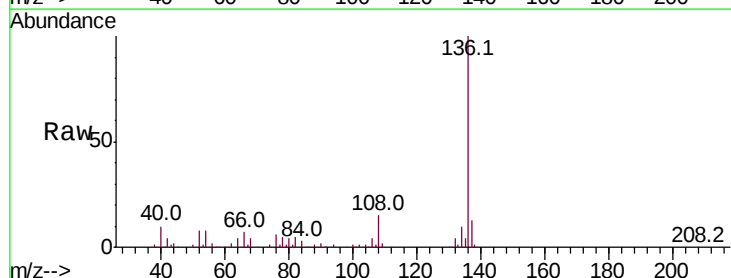
Instrument :
BNA_G
ClientSampleId :

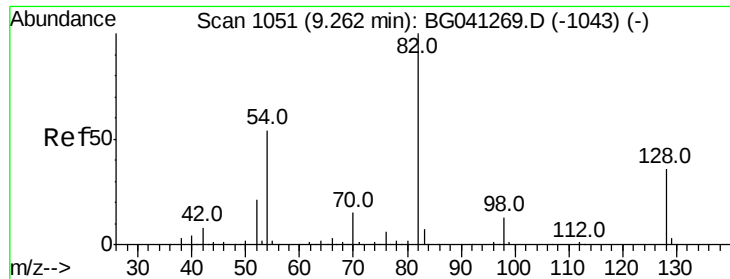
Tot Ion: 70 Resp: 48867
Ion Ratio Lower Upper
70 100
42 54.7 51.4 77.2
101 0.0 8.2 12.2#
130 1.2 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BG041317.D
Acq: 19 Jun 2019 4:51

Tgt Ion: 136 Resp: 141966
Ion Ratio Lower Upper
136 100
137 13.2 8.8 13.2#
54 8.3 6.4 9.6
68 4.0 4.8 7.2#

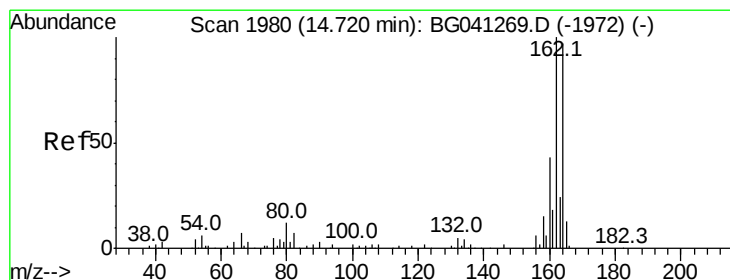
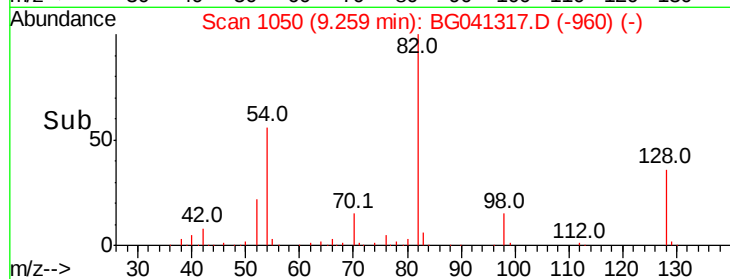
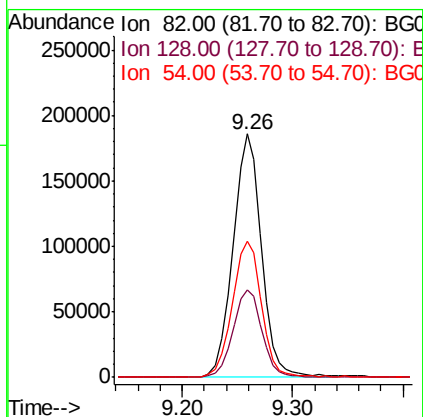
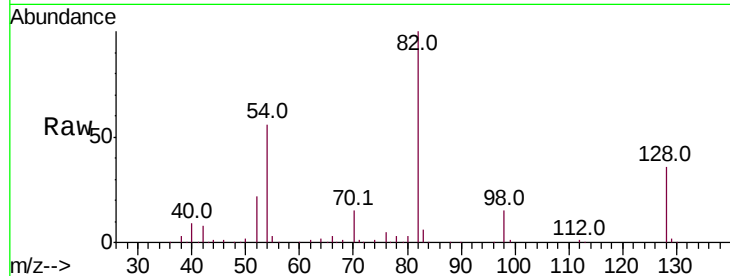




#23
 Nitrobenzene-d5
 Concen: 99.464 ng
 RT: 9.26 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BG041317.D
 Acq: 19 Jun 2019 4:51

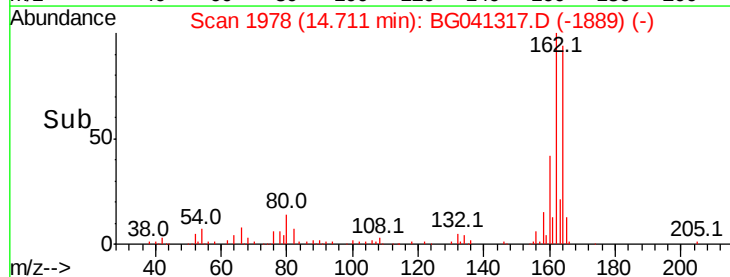
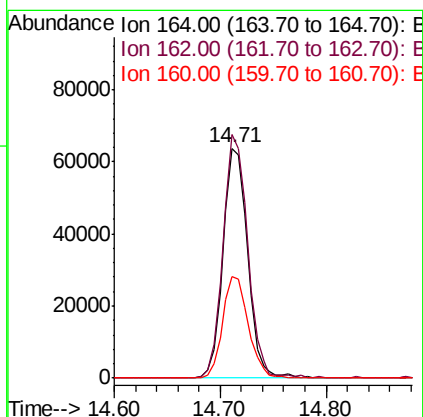
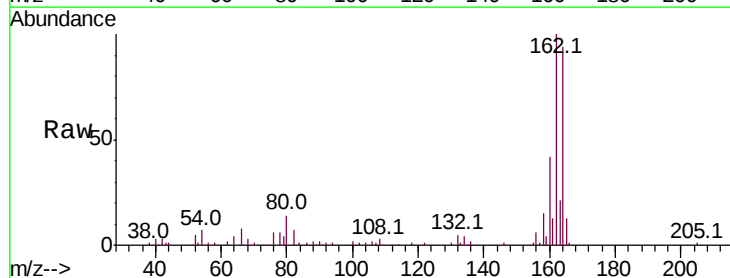
Instrument :
 BNA_G
 ClientSampleId :

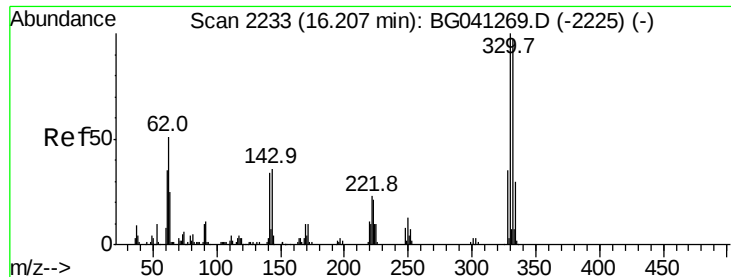
Tot Ion: 82 Resp: 335752
 Ion Ratio Lower Upper
 82 100
 128 35.7 29.2 43.8
 54 56.1 43.4 65.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: BG041317.D
 Acq: 19 Jun 2019 4:51

Tgt Ion: 164 Resp: 103363
 Ion Ratio Lower Upper
 164 100
 162 106.0 82.8 124.2
 160 44.0 35.8 53.8

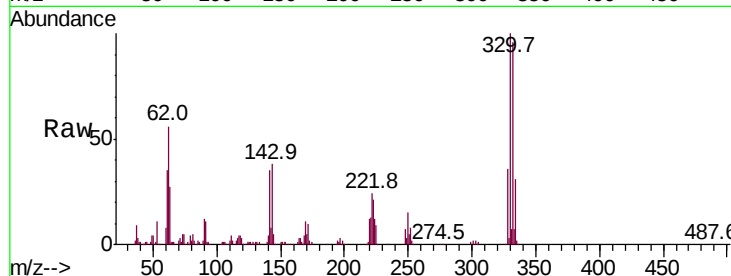




#42
 2,4,6-Tribromophenol
 Concen: 142.984 ng
 RT: 16.20 min Scan# 2232
 Delta R.T. -0.00 min
 Lab File: BG041317.D
 Acq: 19 Jun 2019 4:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	75.5	113.3
141	37.1	29.0	43.4

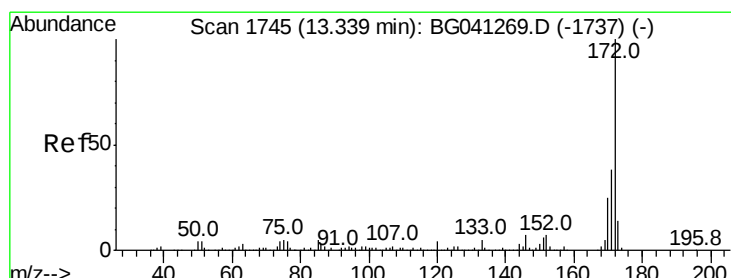
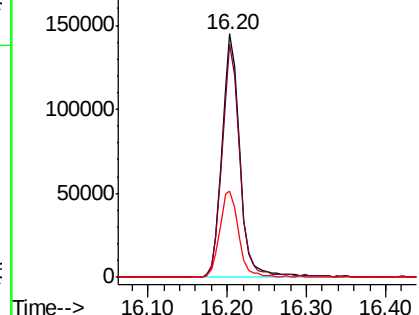
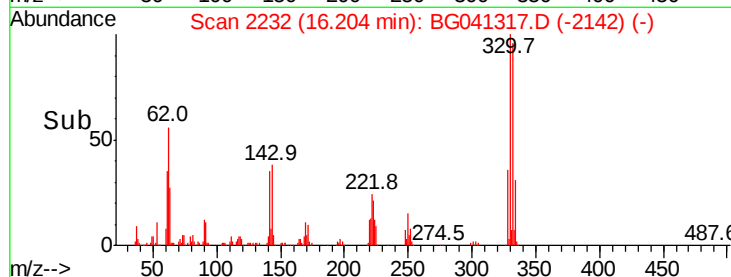


Abundance

Ion 329.80 (329.50 to 330.50): E

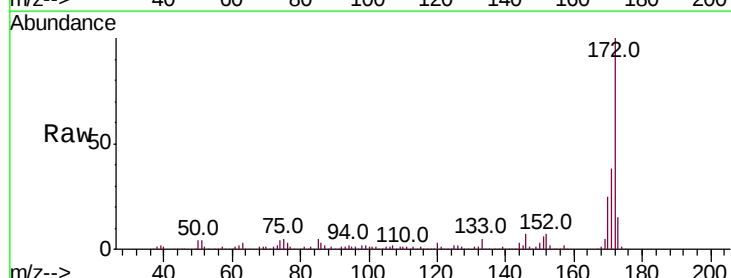
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 98.323 ng
 RT: 13.34 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: BG041317.D
 Acq: 19 Jun 2019 4:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	25.4	19.8	29.6

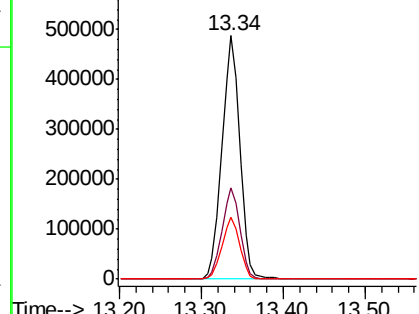
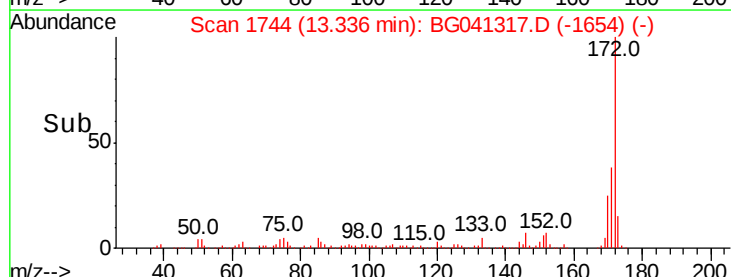


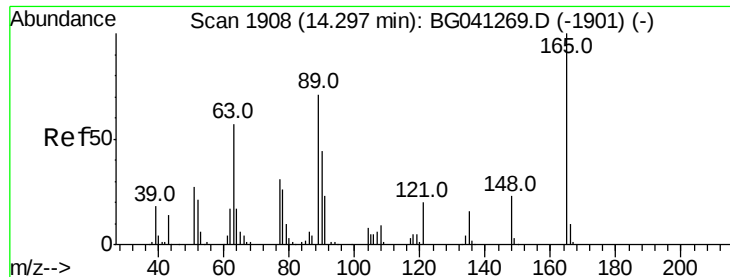
Abundance

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

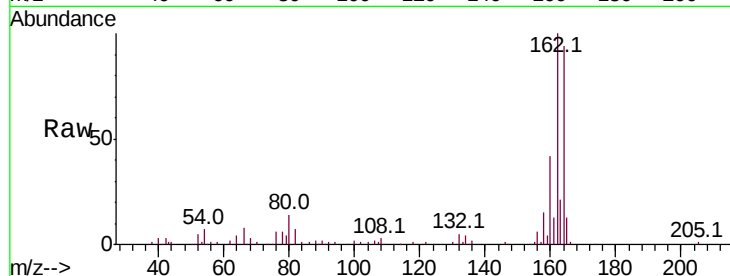




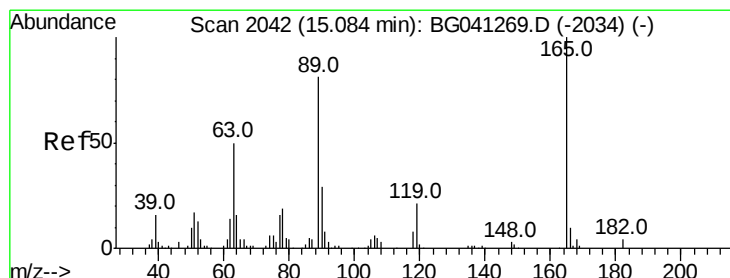
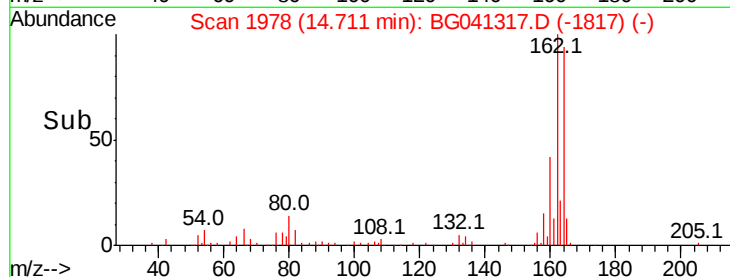
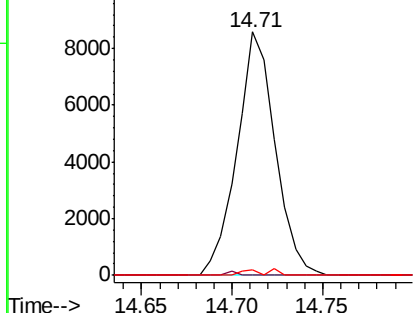
#51
2,6-Dinitrotoluene
Concen: 6.483 ng
RT: 14.71 min Scan# 1978
Delta R.T. 0.41 min
Lab File: BG041317.D
Acq: 19 Jun 2019 4:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 12572
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.0#
89 2.2 56.5 84.7#

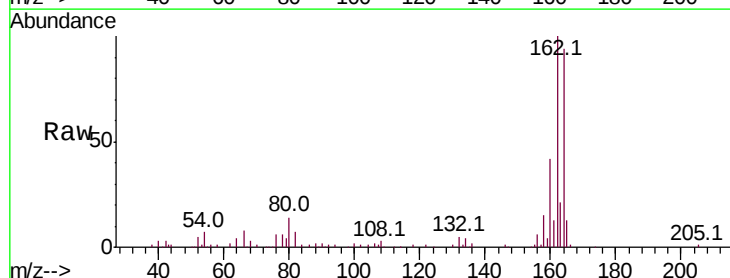


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

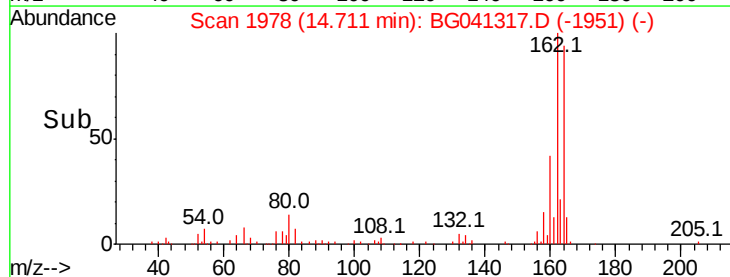
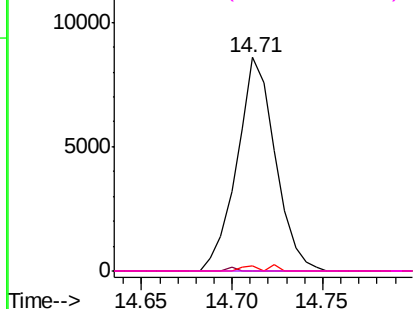


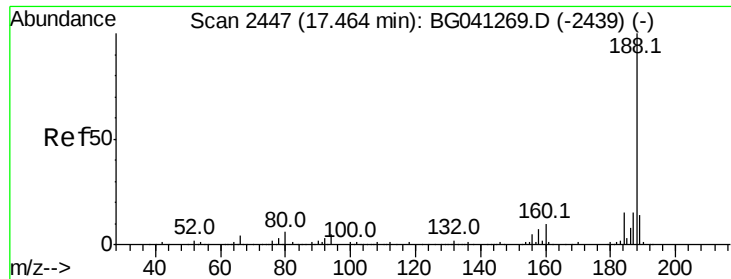
#57
2,4-Dinitrotoluene
Concen: 4.435 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.37 min
Lab File: BG041317.D
Acq: 19 Jun 2019 4:51

Tgt Ion:165 Resp: 12572
Ion Ratio Lower Upper
165 100
63 0.0 40.0 60.0#
89 2.2 64.6 96.8#
182 0.0 2.9 4.3#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BG041317.D

Acq: 19 Jun 2019 4:51

Instrument :

BNA_G

ClientSampleId :

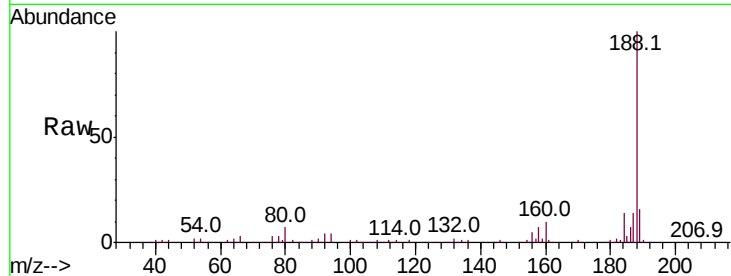
Tot Ion:188 Resp: 253874

Ion Ratio Lower Upper

188 100

94 4.5 3.6 5.4

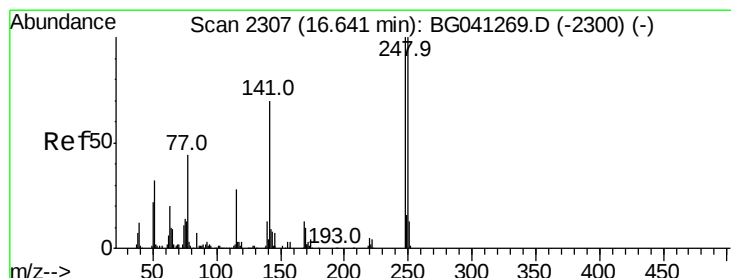
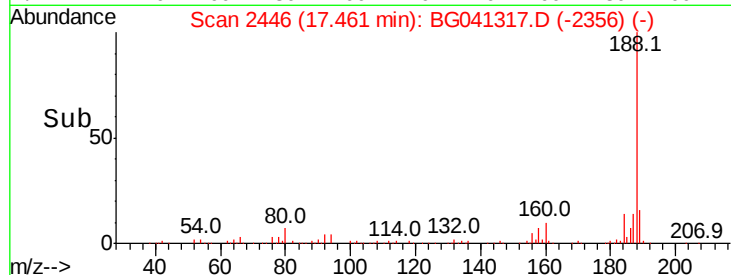
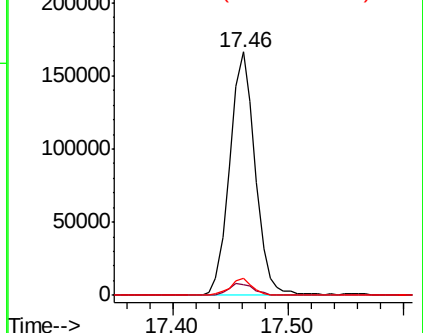
80 7.1 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.069 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.44 min

Lab File: BG041317.D

Acq: 19 Jun 2019 4:51

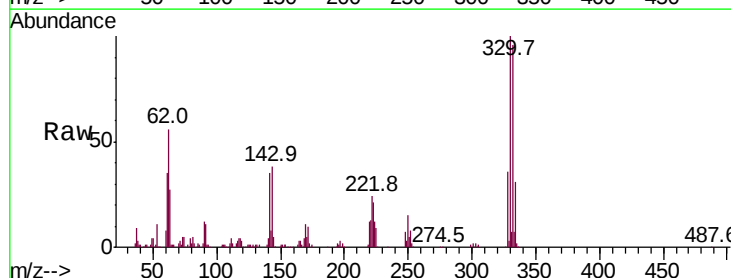
Tgt Ion:248 Resp: 16641

Ion Ratio Lower Upper

248 100

250 224.1 79.8 119.8#

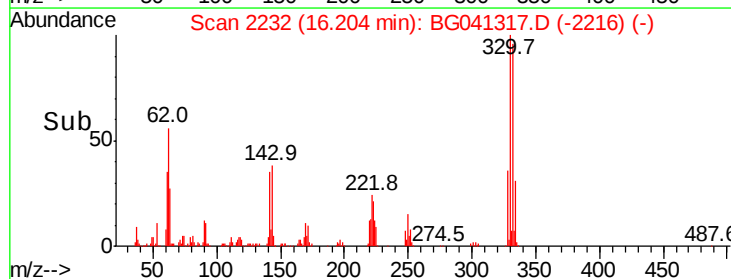
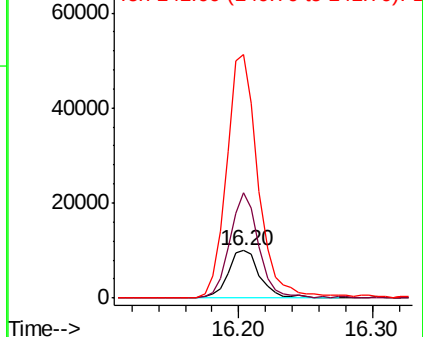
141 516.3 55.8 83.6#

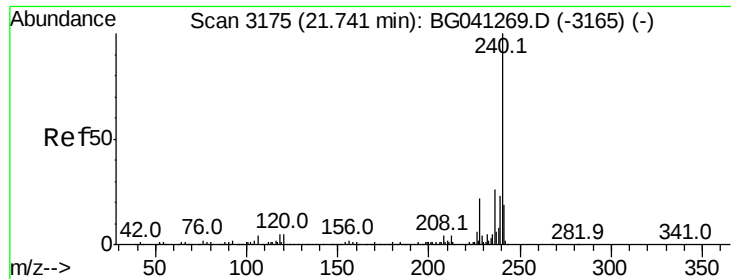


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BG041317.D

Acq: 19 Jun 2019 4:51

Instrument :

BNA_G

ClientSampleId :

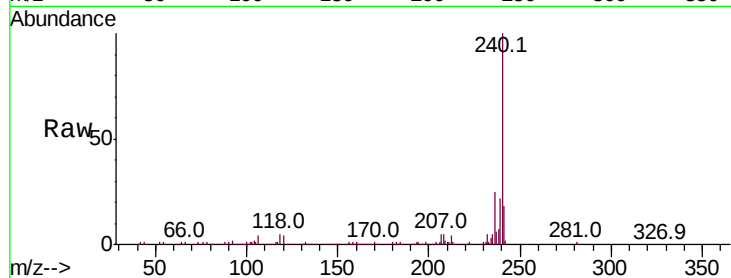
Tot Ion:240 Resp: 263974

Ion Ratio Lower Upper

240 100

120 3.7 3.7 5.5

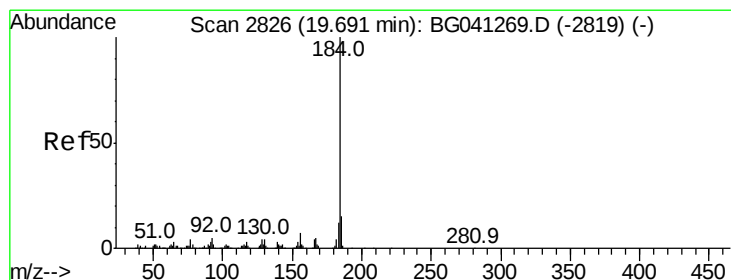
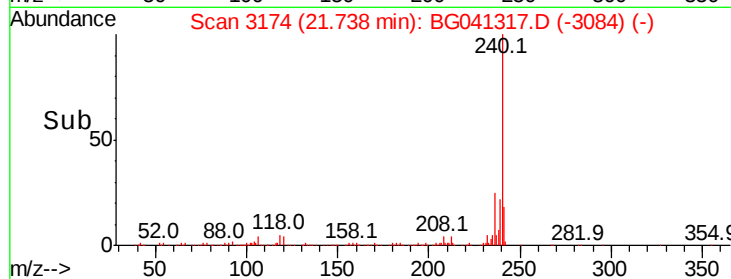
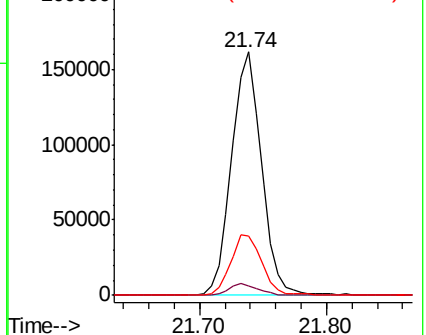
236 24.5 21.1 31.7



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: 3.661 ng

RT: 20.06 min Scan# 2888

Delta R.T. 0.37 min

Lab File: BG041317.D

Acq: 19 Jun 2019 4:51

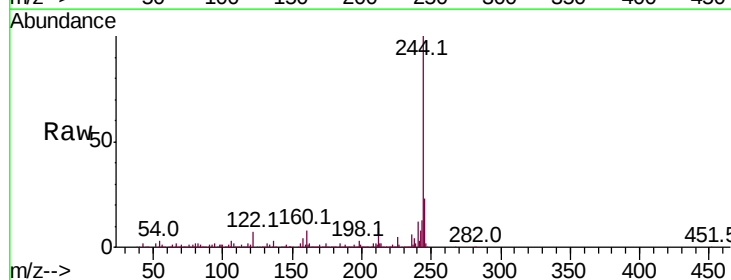
Tgt Ion:184 Resp: 23374

Ion Ratio Lower Upper

184 100

185 19.7 12.2 18.2#

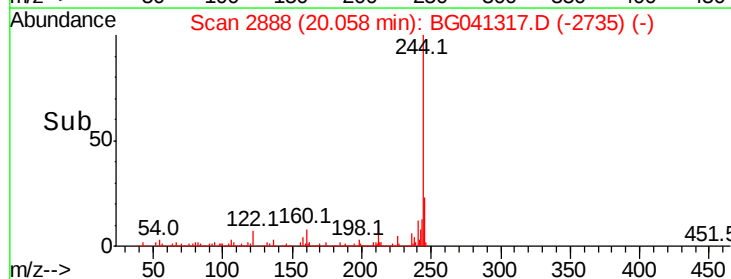
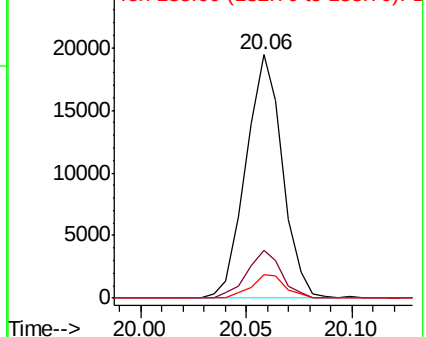
183 9.5 9.6 14.4#

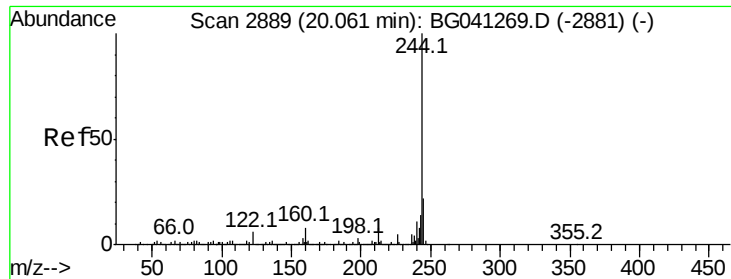


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 100.671 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG041317.D

Acq: 19 Jun 2019 4:51

Instrument :

BNA_G

ClientSampleId :

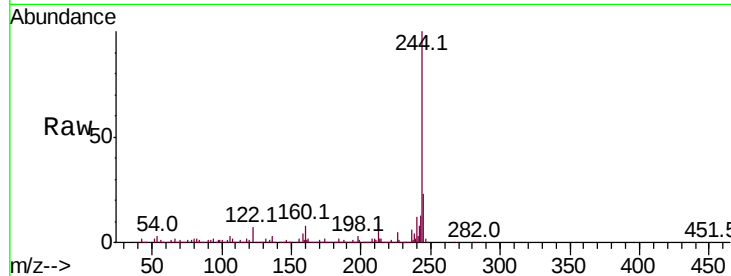
Tot Ion:244 Resp: 1340929

Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.6	10.0
122	6.7	5.0	7.4

244 100

212 9.1 6.6 10.0

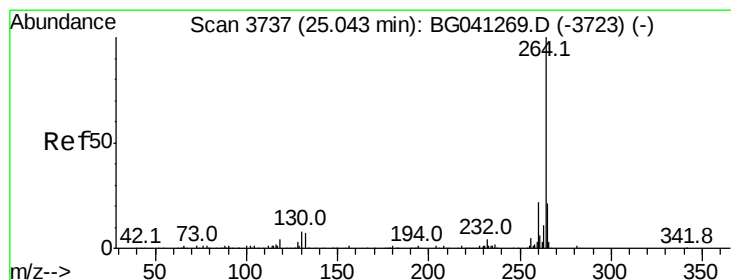
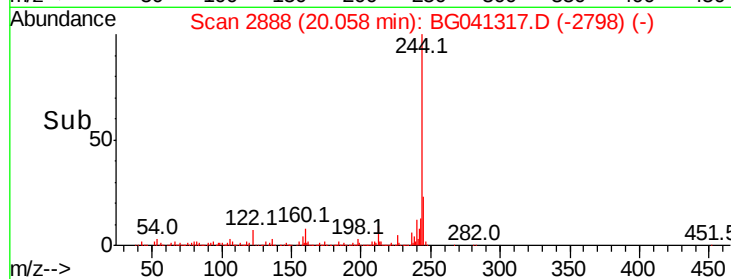
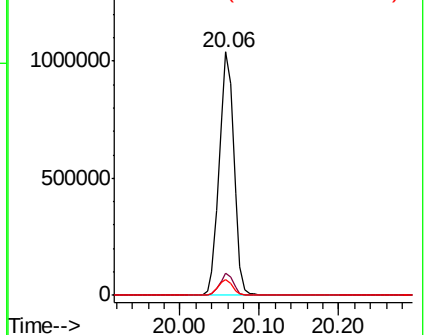
122 6.7 5.0 7.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.05 min Scan# 3737

Delta R.T. 0.00 min

Lab File: BG041317.D

Acq: 19 Jun 2019 4:51

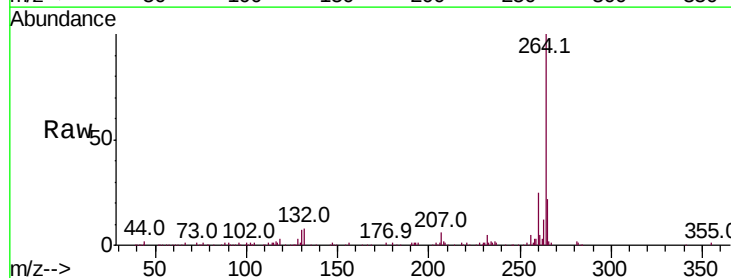
Tgt Ion:264 Resp: 273847

Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.4	26.2
265	21.7	17.2	25.8

264 100

260 24.7 17.4 26.2

265 21.7 17.2 25.8



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

