

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\
 Data File : BG041315.D
 Acq On : 19 Jun 2019 3:36
 Operator : HP/JU
 Sample : K3389-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 19 05:42:57 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

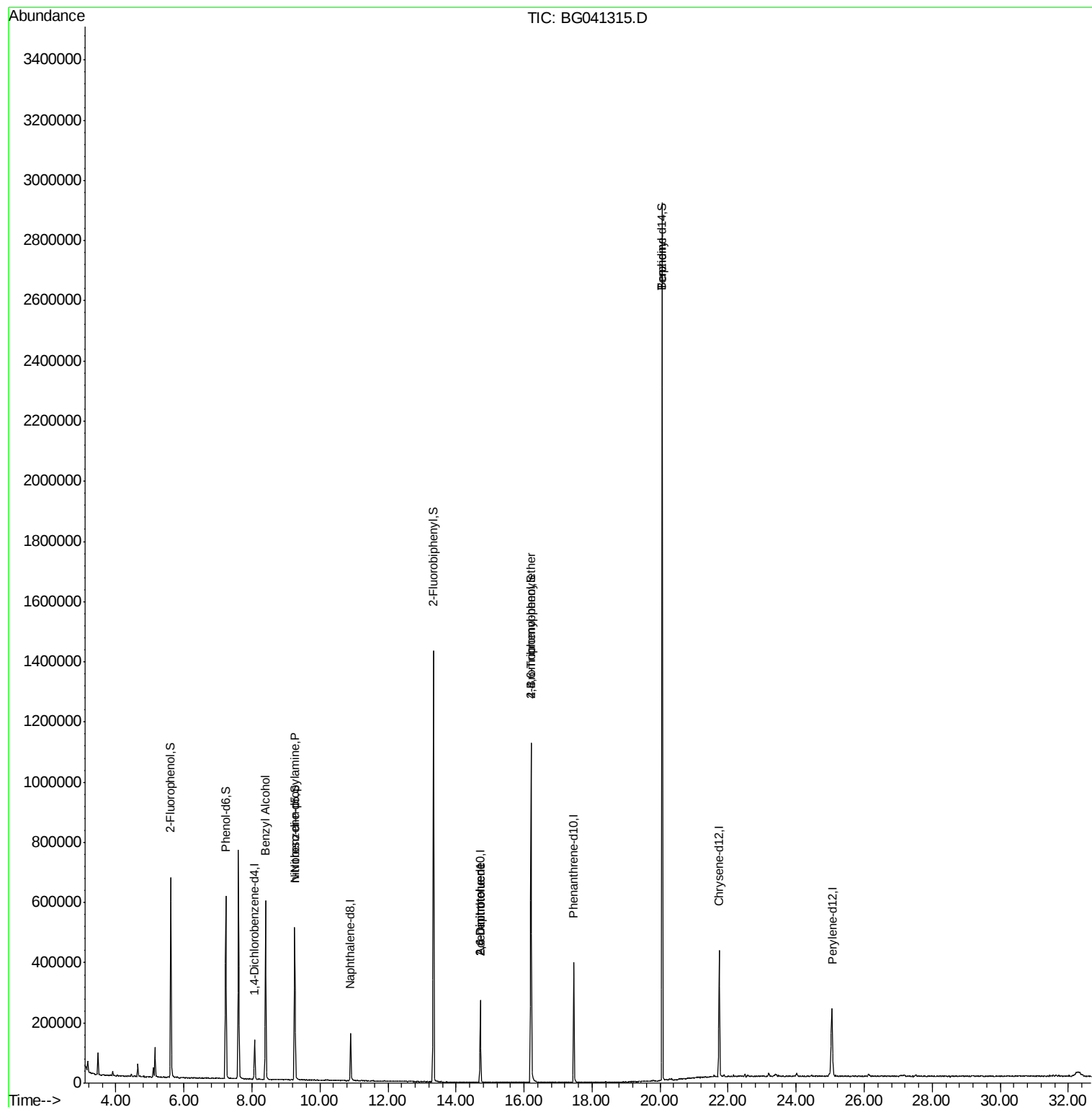
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	35718	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	133077	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	96993	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	247785	20.00	ng	0.00
76) Chrysene-d12	21.73	240	262968	20.00	ng	0.00
87) Perylene-d12	25.05	264	268516	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	249930	128.57	ng	0.00
7) Phenol-d6	7.23	99	306901	108.92	ng	0.00
23) Nitrobenzene-d5	9.26	82	304613	96.27	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	213896	143.65	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	695376	97.44	ng	0.00
79) Terphenyl-d14	20.06	244	1285561	96.88	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.40	79	6042	2.238	ng	# 67
19) n-Nitroso-di-n-propylamine	9.26	70	44692	19.611	ng	# 76
51) 2,6-Dinitrotoluene	14.71	165	12171	6.689	ng	# 15
57) 2,4-Dinitrotoluene	14.71	165	12171	4.576	ng	# 18
67) 4-Bromophenyl-phenylether	16.20	248	14630	4.566	ng	# 1
77) Benzidine	20.06	184	22328	3.510	ng	# 93

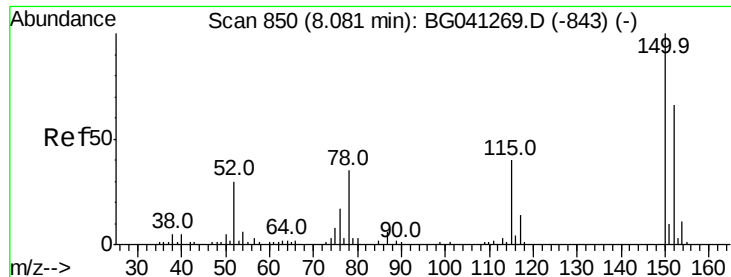
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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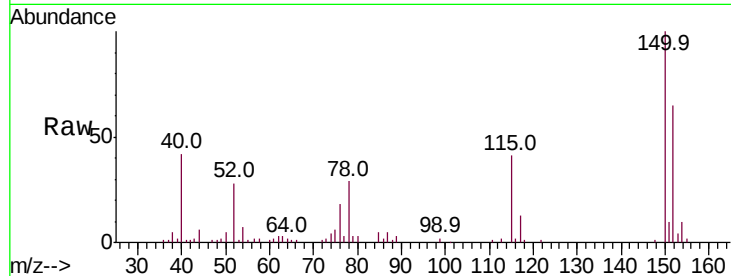


#1

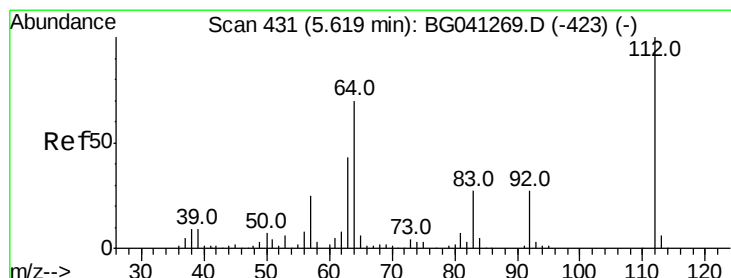
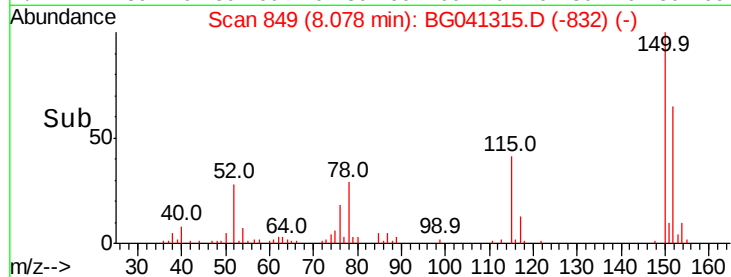
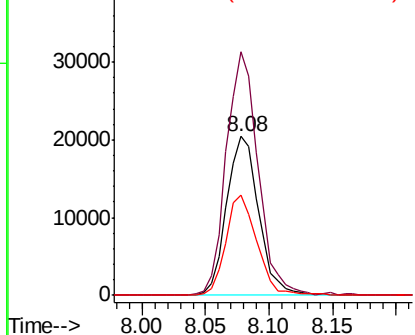
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041315.D
Acq: 19 Jun 2019 3:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35718
Ion Ratio Lower Upper
152 100
150 153.5 120.6 181.0
115 63.3 47.9 71.9



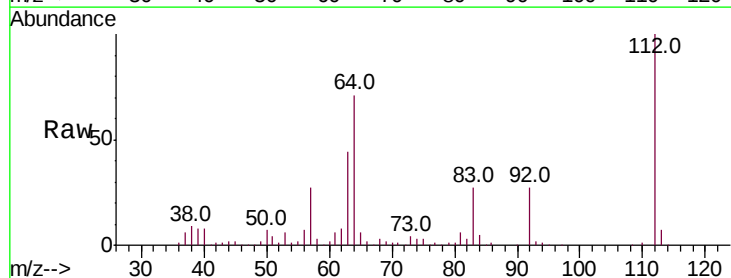
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



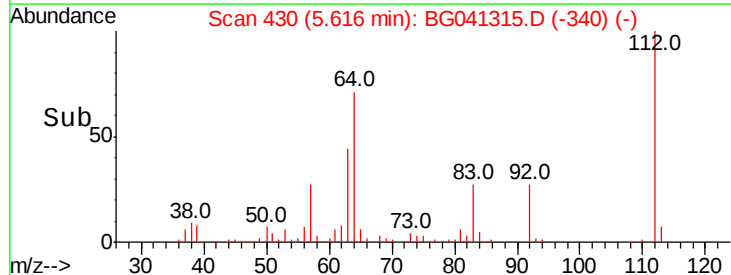
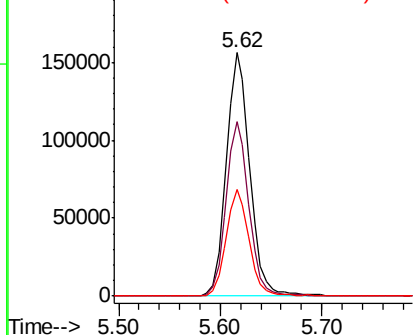
#5

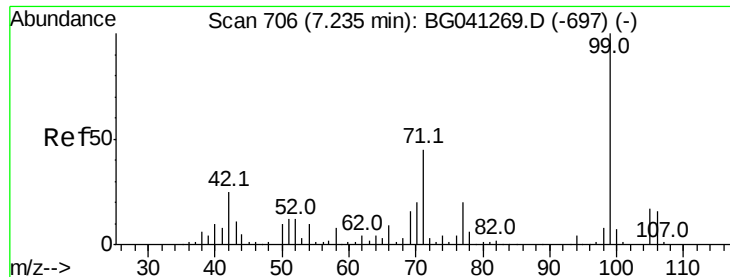
2-Fluorophenol
Concen: 128.570 ng
RT: 5.62 min Scan# 430
Delta R.T. -0.00 min
Lab File: BG041315.D
Acq: 19 Jun 2019 3:36

Tgt Ion:112 Resp: 249930
Ion Ratio Lower Upper
112 100
64 71.4 55.9 83.9
63 43.9 34.6 51.8



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: 108.917 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG041315.D

Acq: 19 Jun 2019 3:36

Instrument :

BNA_G

ClientSampled :

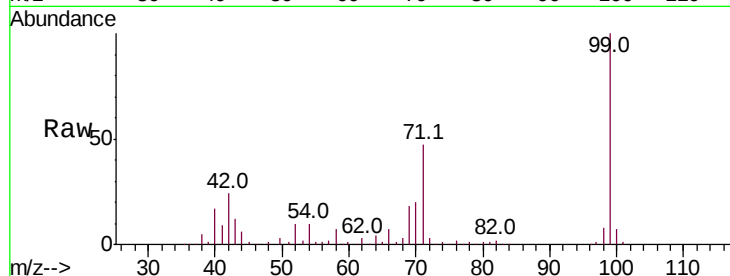
Tot Ion: 99 Resp: 306901

Ion Ratio Lower Upper

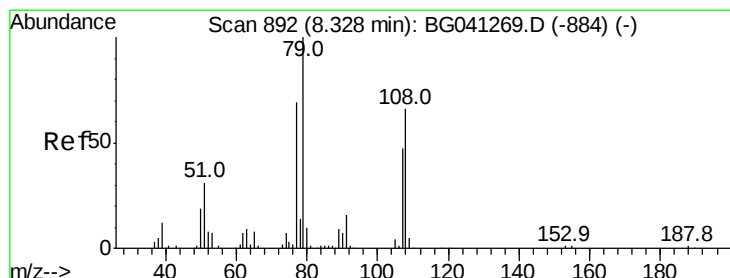
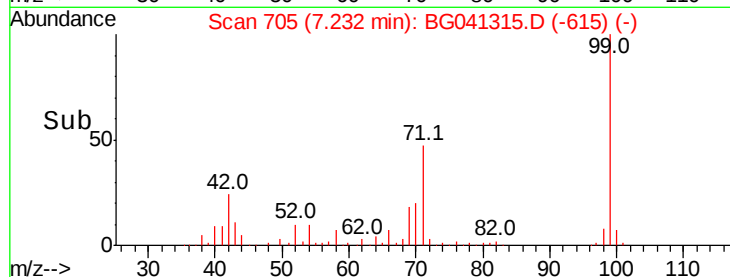
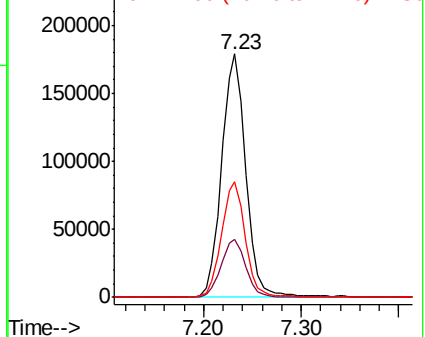
99 100

42 24.0 19.9 29.9

71 47.3 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: 2.238 ng

RT: 8.40 min Scan# 904

Delta R.T. 0.07 min

Lab File: BG041315.D

Acq: 19 Jun 2019 3:36

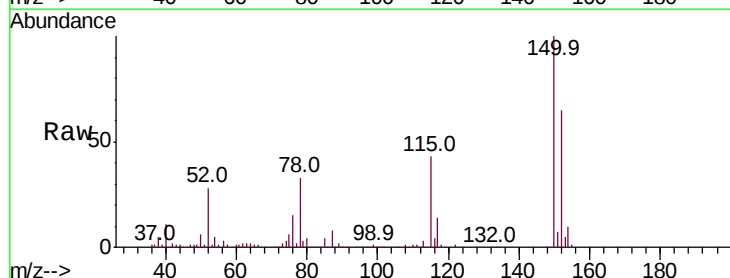
Tgt Ion: 79 Resp: 6042

Ion Ratio Lower Upper

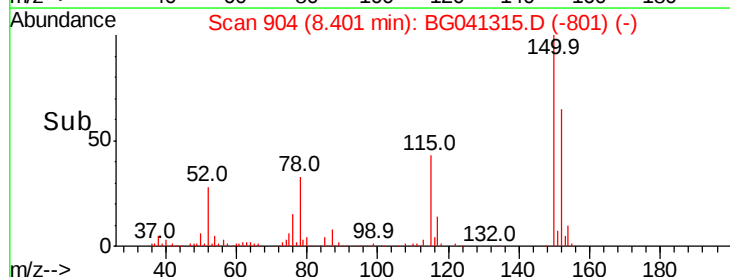
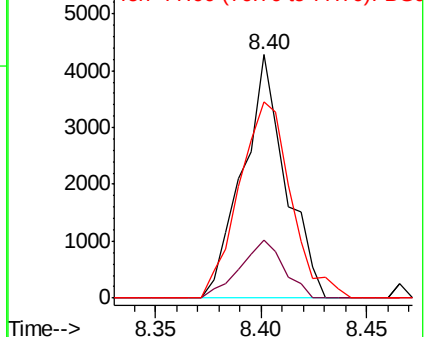
79 100

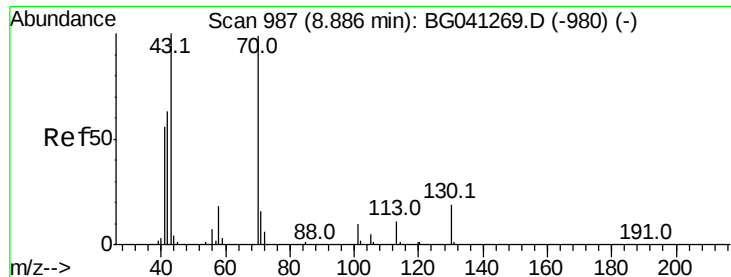
108 23.6 52.7 79.1#

77 80.6 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

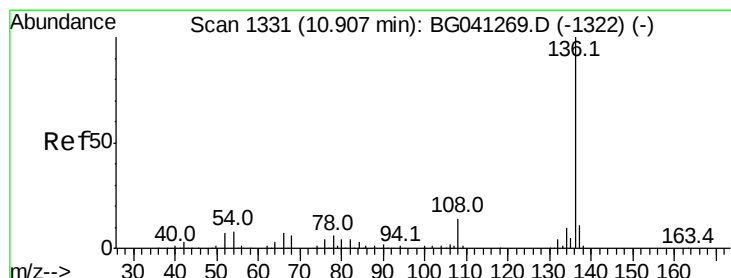
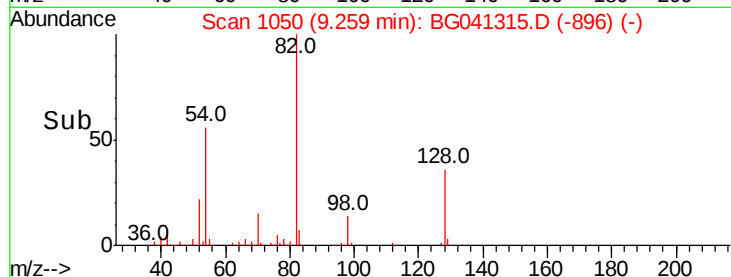
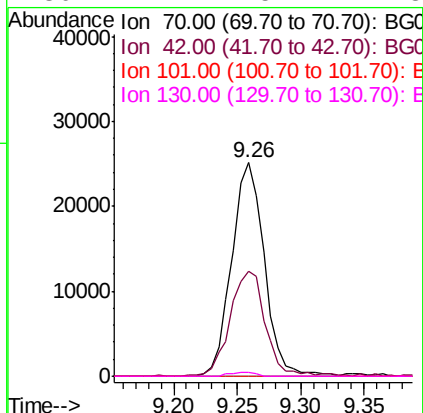
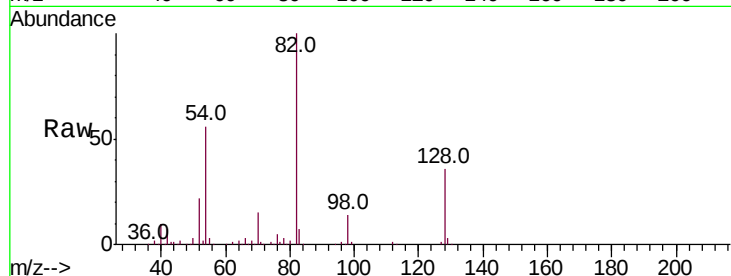




#19
n-Nitroso-di-n-propylamine
Concen: 19.611 ng
RT: 9.26 min Scan# 1050
Delta R.T. 0.37 min
Lab File: BG041315.D
Acq: 19 Jun 2019 3:36

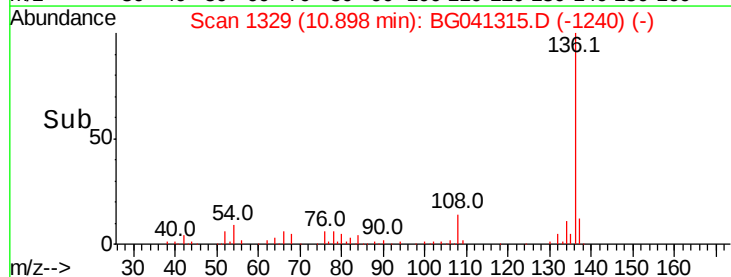
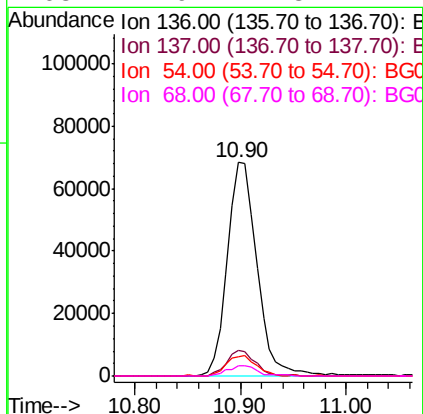
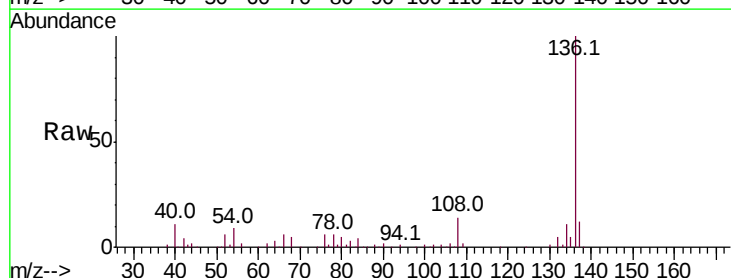
Instrument :
BNA_G
ClientSampleId :

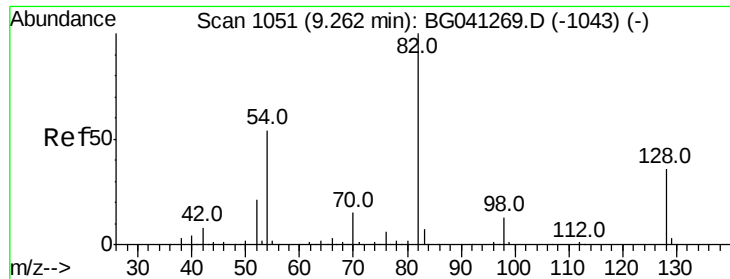
Tot Ion: 70 Resp: 44692
Ion Ratio Lower Upper
70 100
42 49.1 51.4 77.2#
101 0.0 8.2 12.2#
130 1.7 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BG041315.D
Acq: 19 Jun 2019 3:36

Tgt Ion: 136 Resp: 133077
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 9.0 6.4 9.6
68 4.9 4.8 7.2

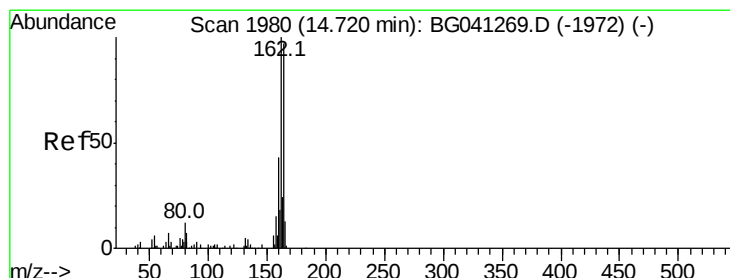
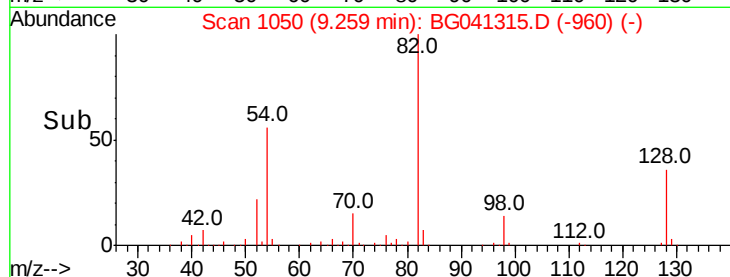
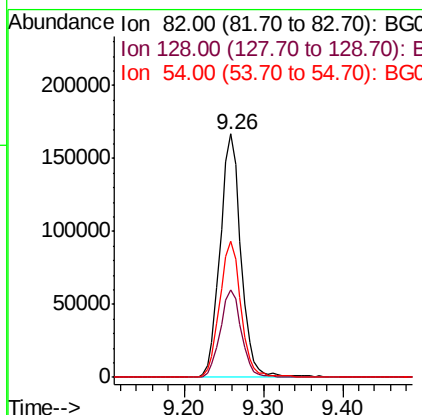
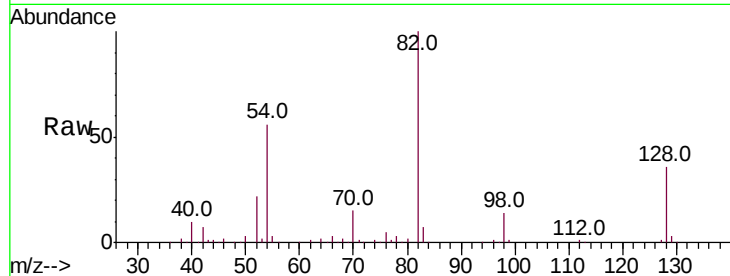




#23
 Nitrobenzene-d5
 Concen: 96.267 ng
 RT: 9.26 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BG041315.D
 Acq: 19 Jun 2019 3:36

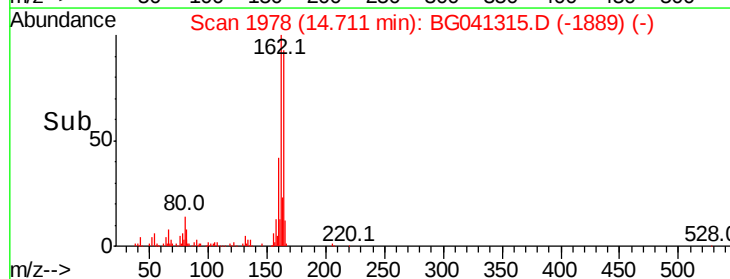
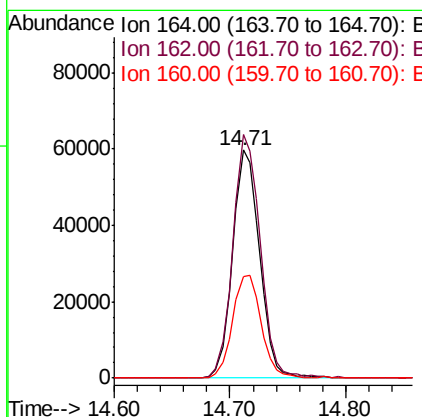
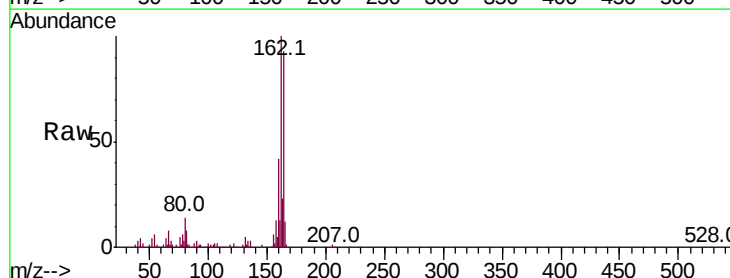
Instrument :
 BNA_G
 ClientSampled :

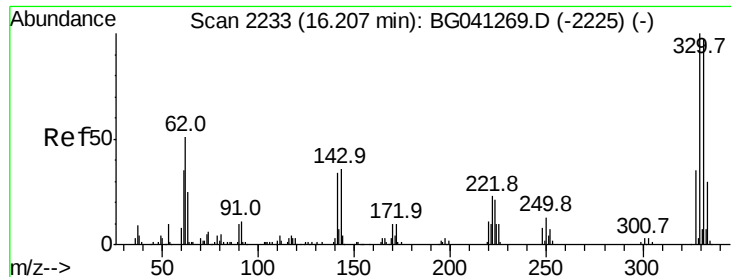
Tot Ion	82	Resp	304613
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.2	43.8
54	55.9	43.4	65.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: BG041315.D
 Acq: 19 Jun 2019 3:36

Tgt Ion	164	Resp	96993
Ion	Ratio	Lower	Upper
164	100		
162	107.0	82.8	124.2
160	44.8	35.8	53.8

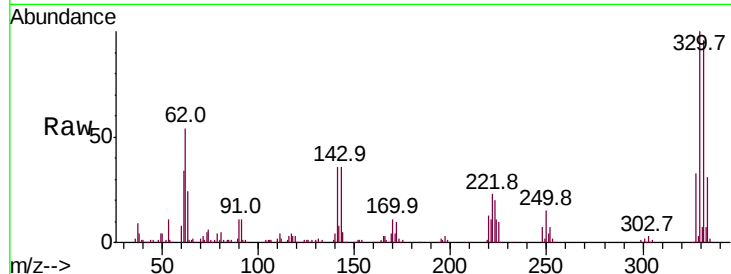




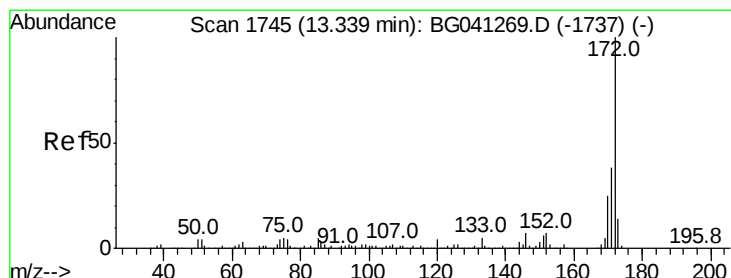
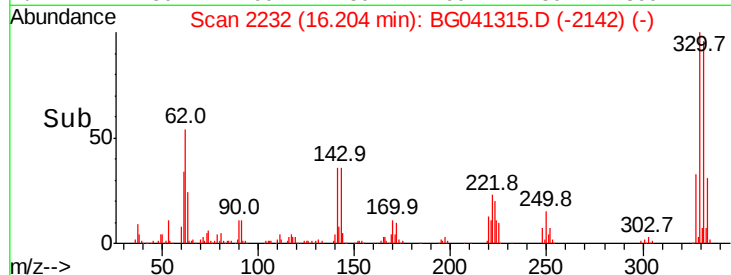
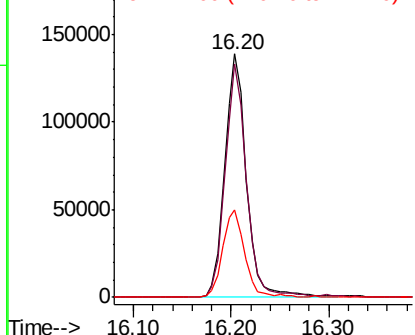
#42
 2,4,6-Tribromophenol
 Concen: 143.645 ng
 RT: 16.20 min Scan# 2232
 Delta R.T. -0.00 min
 Lab File: BG041315.D
 Acq: 19 Jun 2019 3:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	75.5	113.3
141	35.8	29.0	43.4

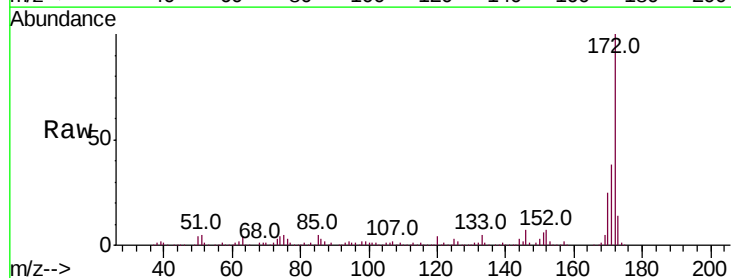


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

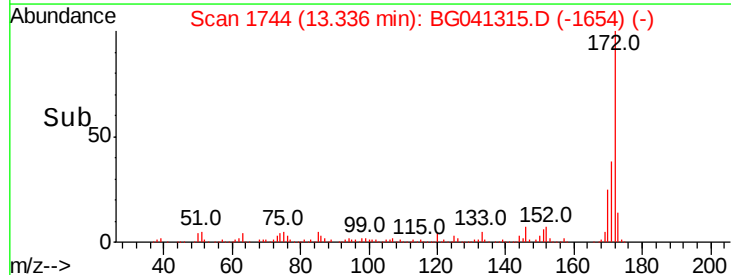
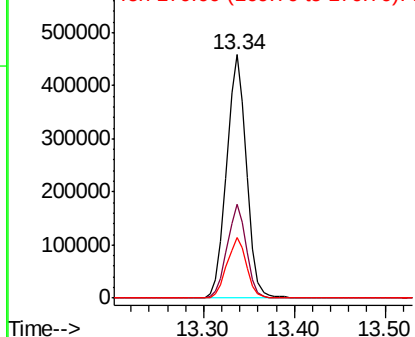


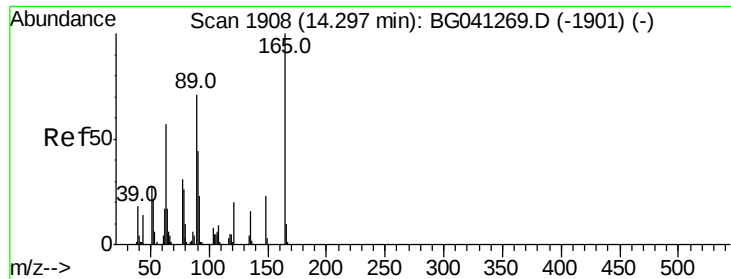
#45
 2-Fluorobiphenyl
 Concen: 97.443 ng
 RT: 13.34 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: BG041315.D
 Acq: 19 Jun 2019 3:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.0	45.0
170	24.8	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: 6.689 ng

RT: 14.71 min Scan# 1978

Delta R.T. 0.41 min

Lab File: BG041315.D

Acq: 19 Jun 2019 3:36

Instrument :

BNA_G

ClientSampleId :

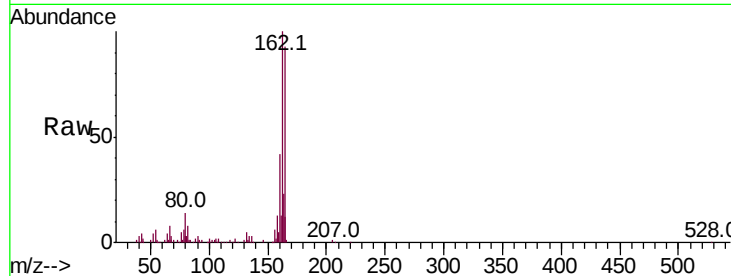
Tot Ion:165 Resp: 12171

Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.0#

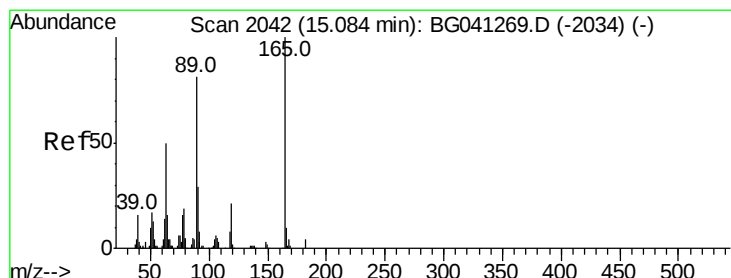
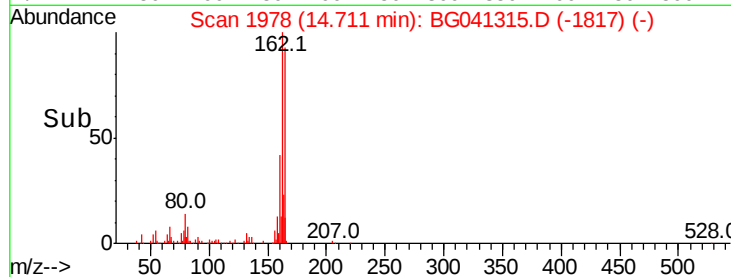
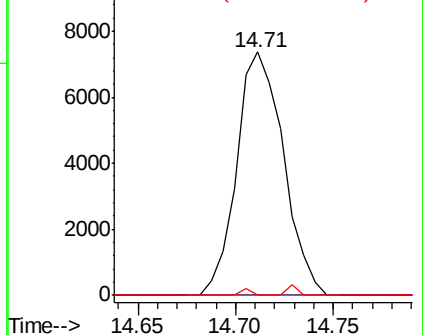
89 0.0 56.5 84.7#



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: 4.576 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.37 min

Lab File: BG041315.D

Acq: 19 Jun 2019 3:36

Tgt Ion:165 Resp: 12171

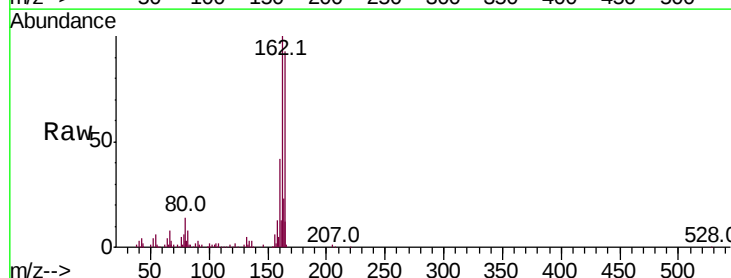
Ion Ratio Lower Upper

165 100

63 0.0 40.0 60.0#

89 0.0 64.6 96.8#

182 0.0 2.9 4.3#

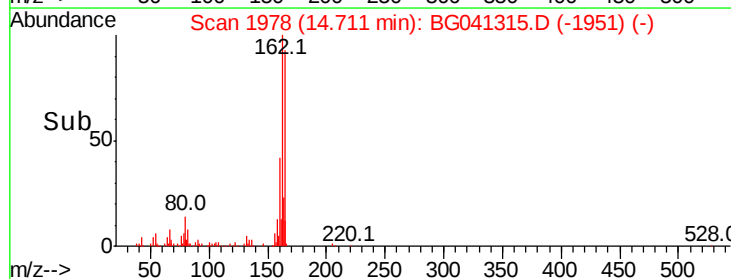
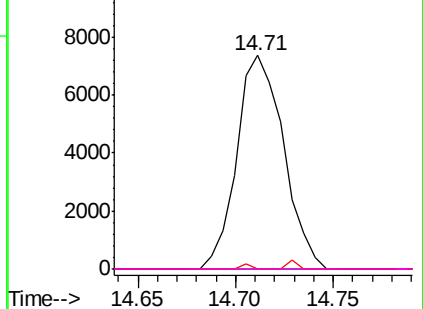


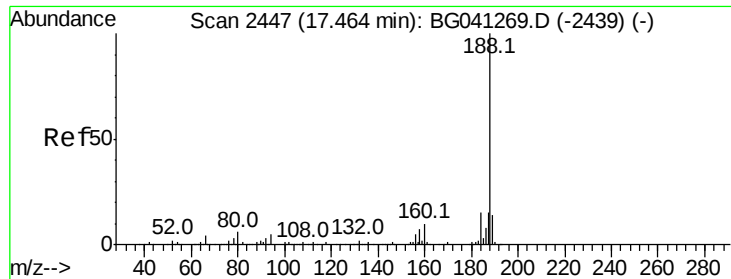
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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: 17.46 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BG041315.D

Acq: 19 Jun 2019 3:36

Instrument :

BNA_G

ClientSampleId :

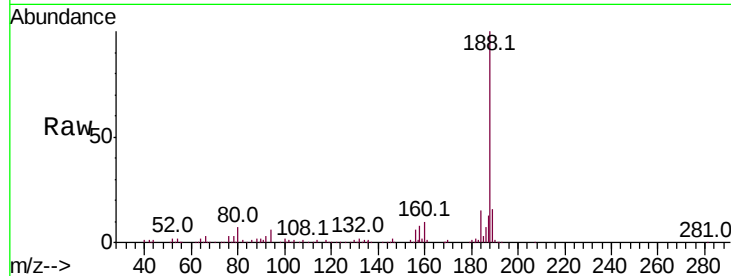
Tot Ion:188 Resp: 247785

Ion Ratio Lower Upper

188 100

94 5.8 3.6 5.4#

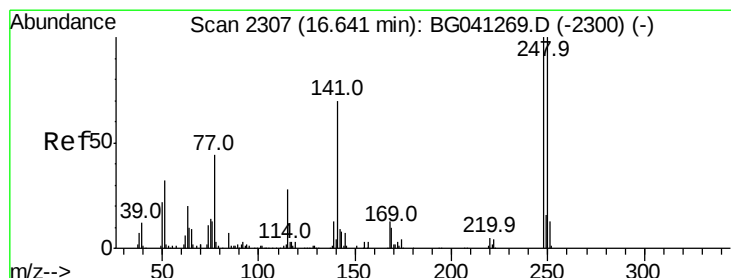
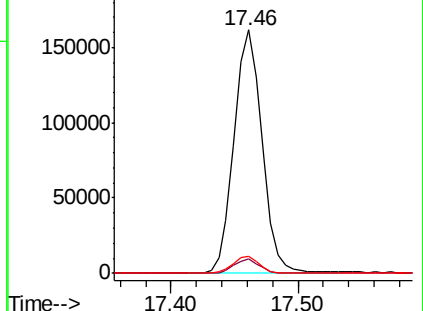
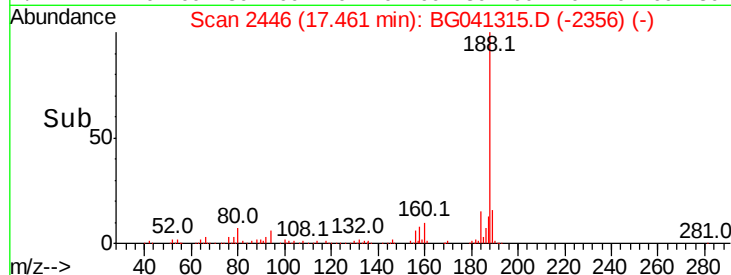
80 7.1 4.8 7.2



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: 4.566 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.44 min

Lab File: BG041315.D

Acq: 19 Jun 2019 3:36

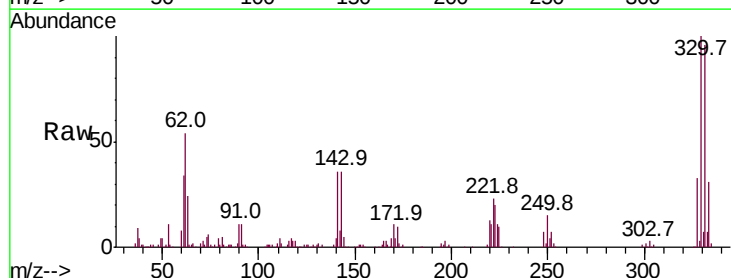
Tgt Ion:248 Resp: 14630

Ion Ratio Lower Upper

248 100

250 220.5 79.8 119.8#

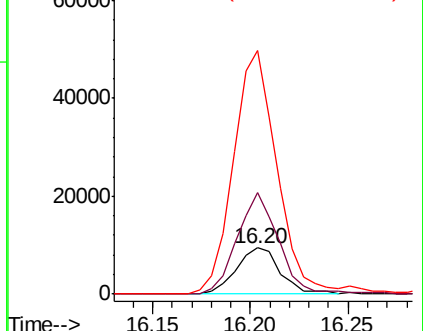
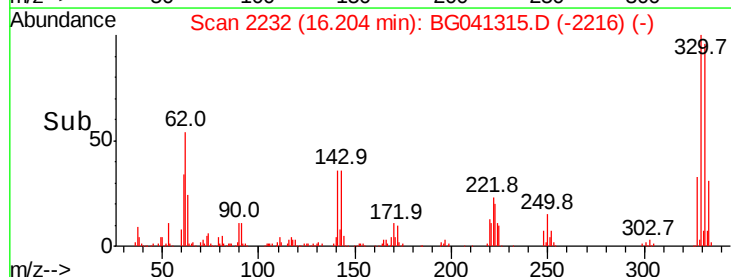
141 527.3 55.8 83.6#

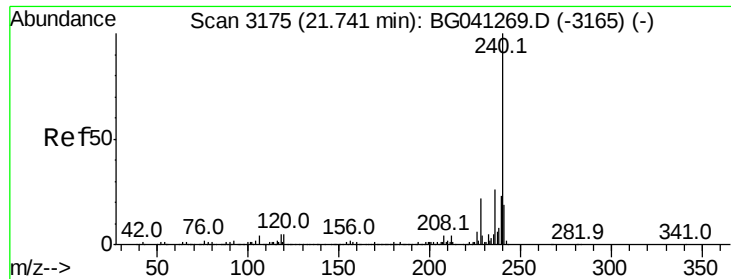


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

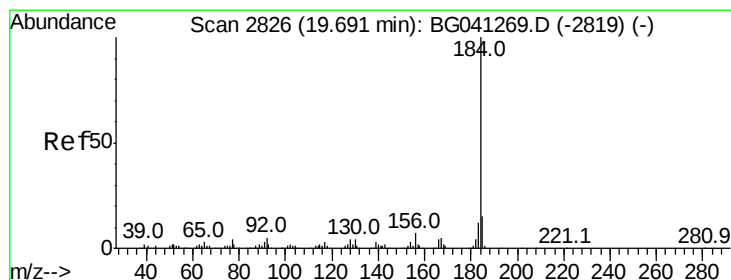
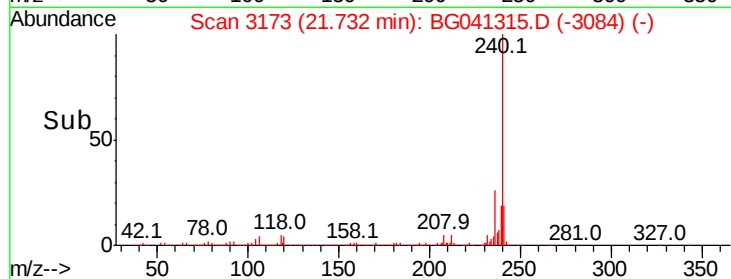
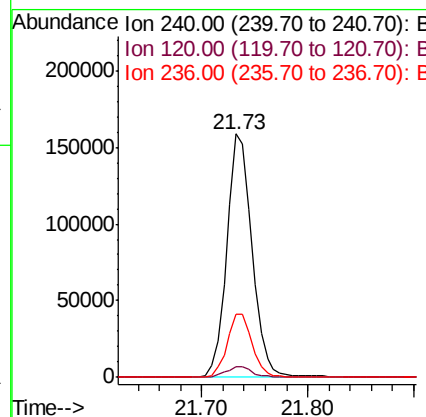
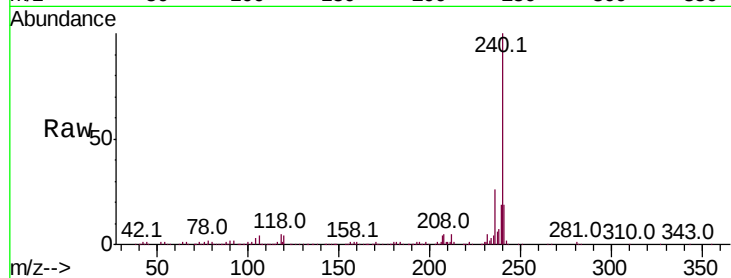




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG041315.D
 Acq: 19 Jun 2019 3:36

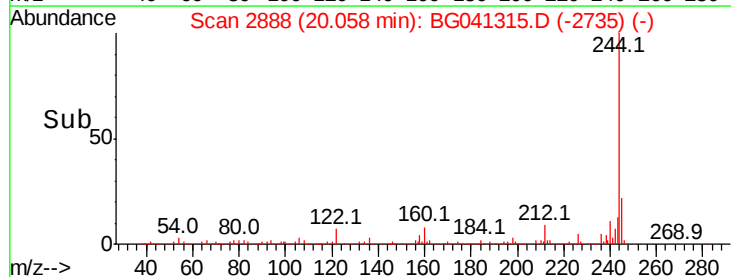
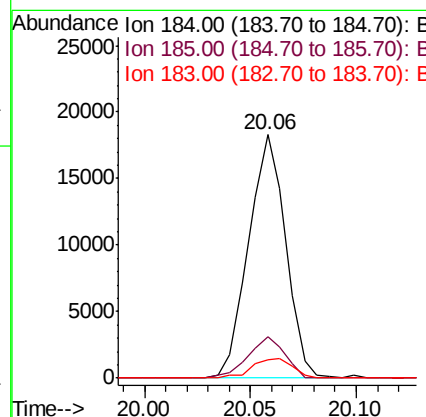
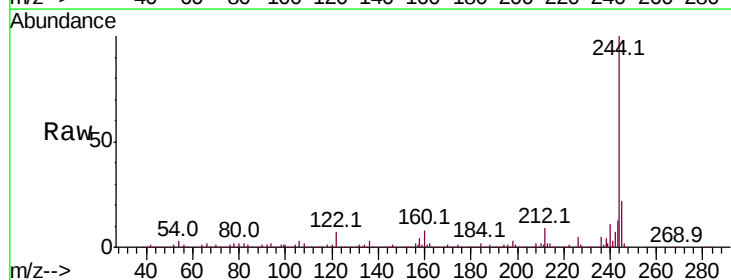
Instrument :
 BNA_G
 ClientSampleId :

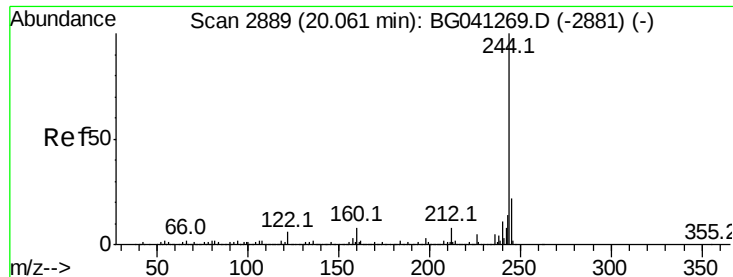
Tot Ion:240 Resp: 262968
 Ion Ratio Lower Upper
 240 100
 120 4.4 3.7 5.5
 236 26.1 21.1 31.7



#77
 Benzidine
 Concen: 3.510 ng
 RT: 20.06 min Scan# 2888
 Delta R.T. 0.37 min
 Lab File: BG041315.D
 Acq: 19 Jun 2019 3:36

Tgt Ion:184 Resp: 22328
 Ion Ratio Lower Upper
 184 100
 185 17.1 12.2 18.2
 183 7.7 9.6 14.4#





#79

Terphenyl-d14

Concen: 96.883 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG041315.D

Acq: 19 Jun 2019 3:36

Instrument :

BNA_G

ClientSampleId :

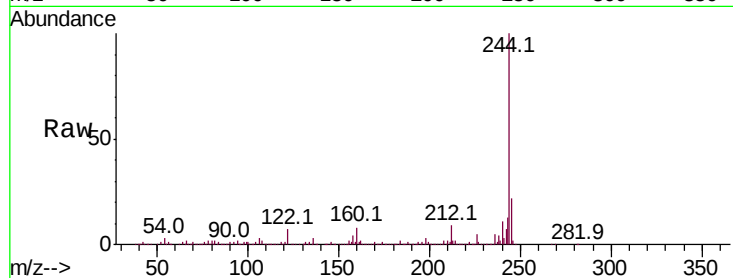
Tot Ion:244 Resp: 1285561

Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

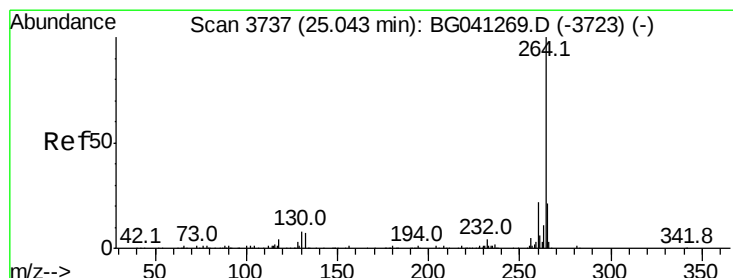
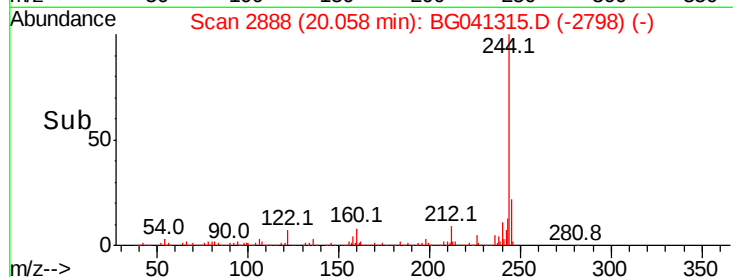
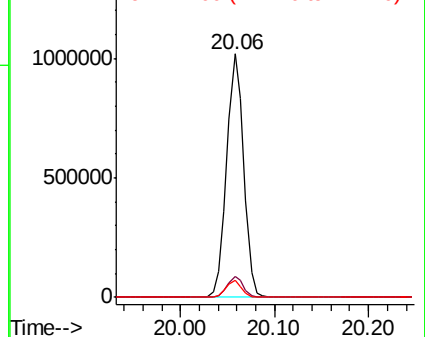
122 6.9 5.0 7.4



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: BG041315.D

Acq: 19 Jun 2019 3:36

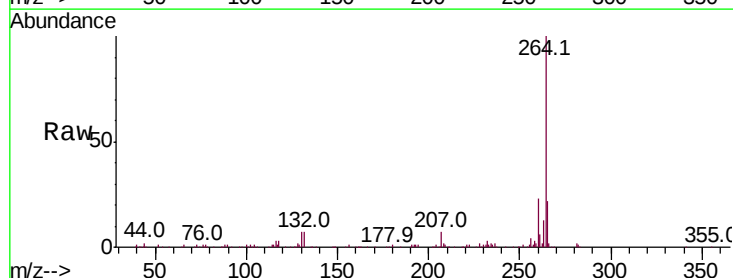
Tgt Ion:264 Resp: 268516

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.2

265 21.5 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

