

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061719\
 Data File : BG041289.D
 Acq On : 18 Jun 2019 2:39
 Operator : HP/JU
 Sample : K3154-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 07:47:18 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

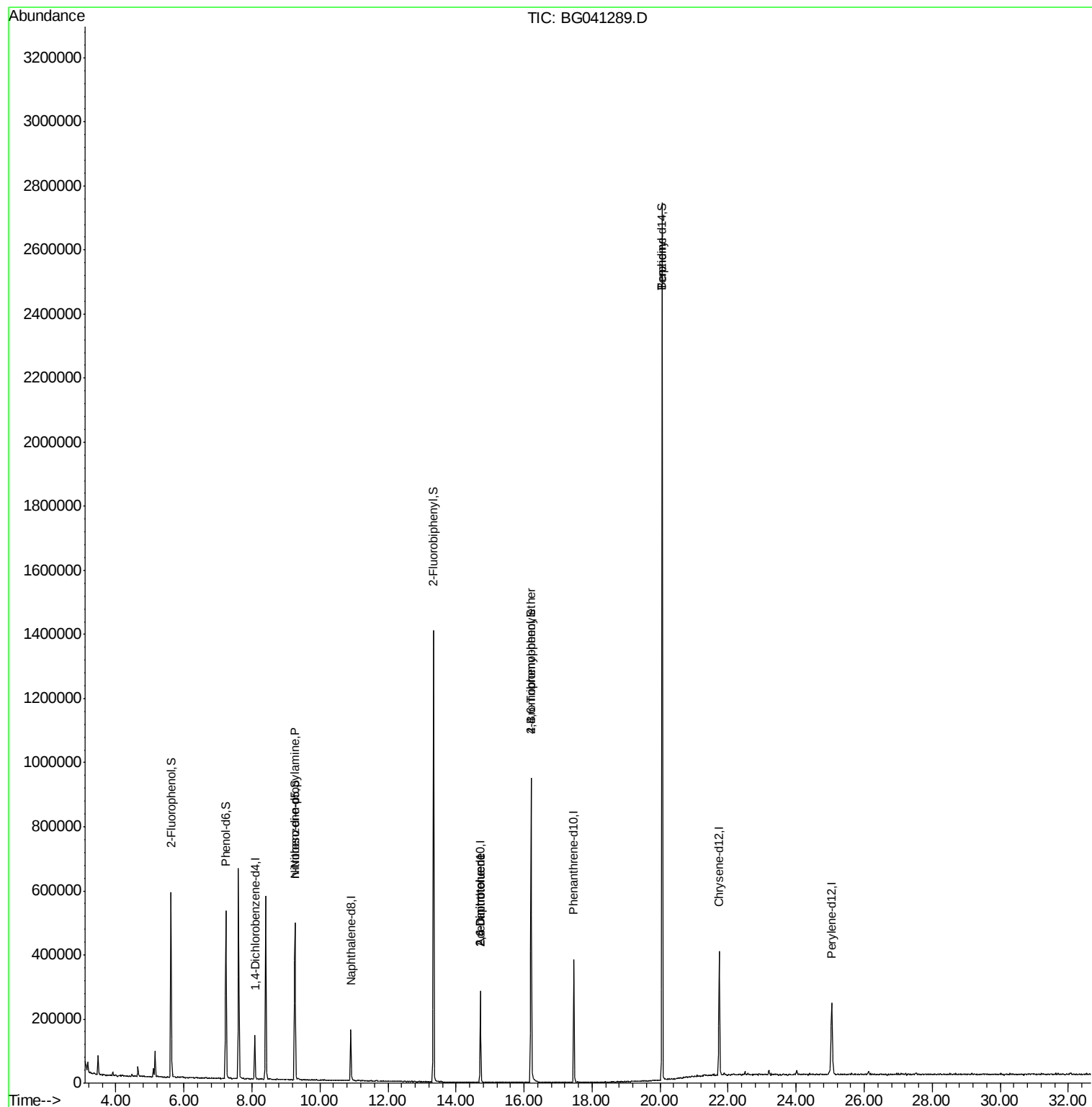
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	35645	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	135022	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	100967	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	246866	20.00	ng	0.00
76) Chrysene-d12	21.74	240	250400	20.00	ng	0.00
87) Perylene-d12	25.05	264	266777	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	214772	110.71	ng	0.00
7) Phenol-d6	7.23	99	272012	96.73	ng	0.00
23) Nitrobenzene-d5	9.27	82	306456	95.45	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	178394	115.09	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	704453	94.83	ng	0.00
79) Terphenyl-d14	20.06	244	1232295	97.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	43416	19.090	ng	# 73
51) 2,6-Dinitrotoluene	14.72	165	12145	6.412	ng	# 18
57) 2,4-Dinitrotoluene	14.72	165	12145	4.386	ng	# 22
67) 4-Bromophenyl-phenylether	16.20	248	13180	4.129	ng	# 1
77) Benzidine	20.06	184	20782	3.431	ng	96

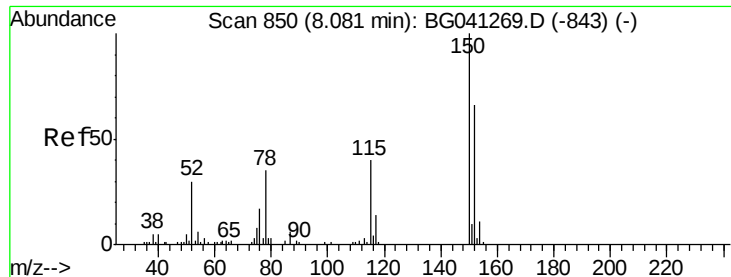
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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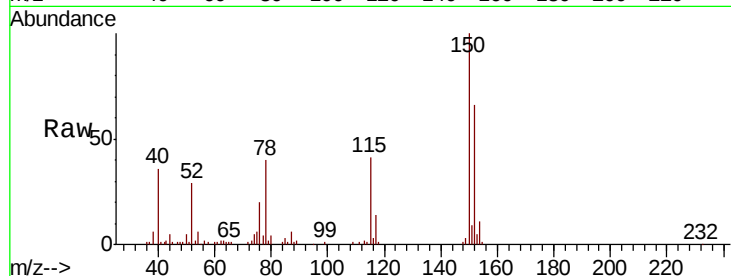


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041289.D
Acq: 18 Jun 2019 2:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	120.6	181.0
115	61.2	47.9	71.9

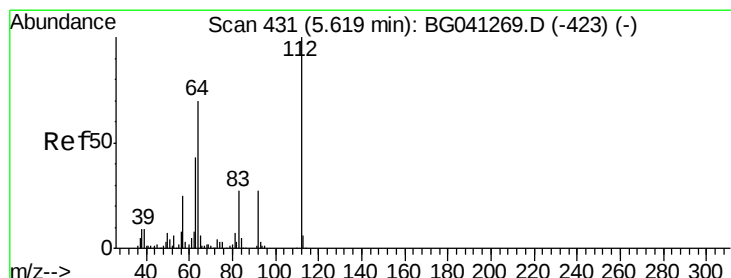
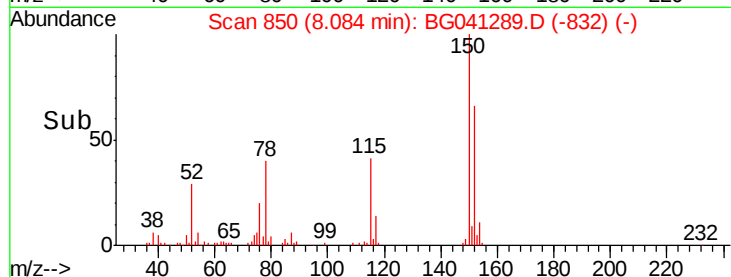
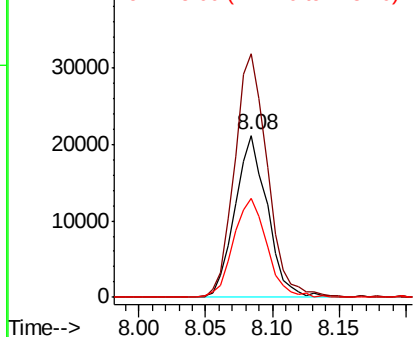


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

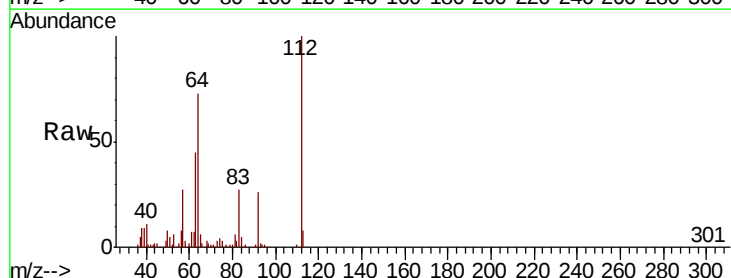
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.710 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041289.D
Acq: 18 Jun 2019 2:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	55.9	83.9
63	44.7	34.6	51.8

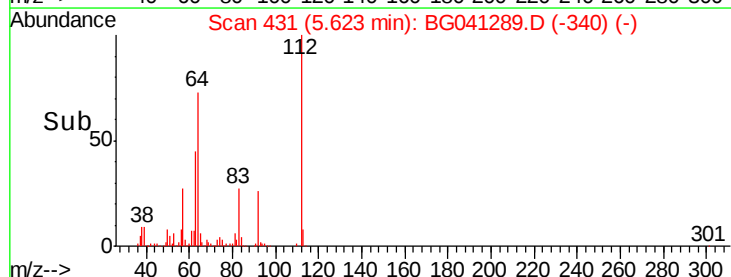
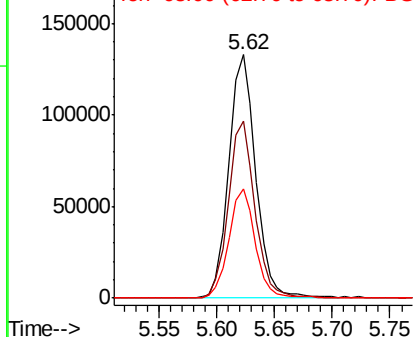


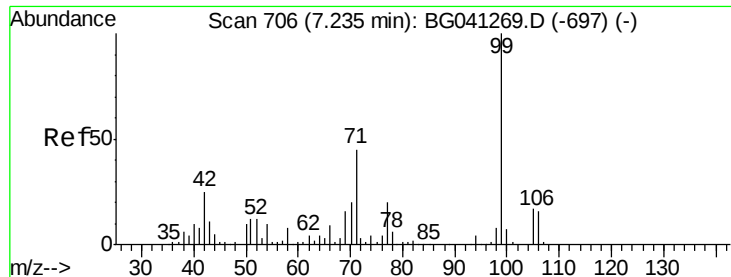
Abundance

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: 96.733 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG041289.D

Acq: 18 Jun 2019 2:39

Instrument :

BNA_G

ClientSampleId :

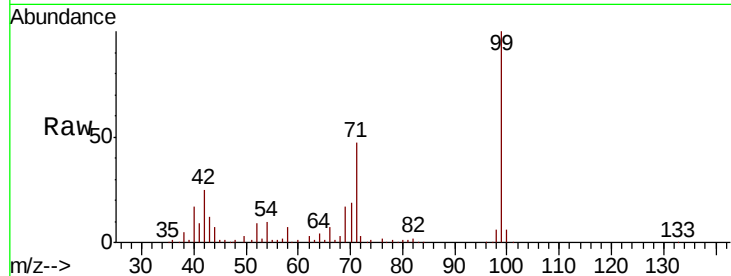
Tot Ion: 99 Resp: 272012

Ion Ratio Lower Upper

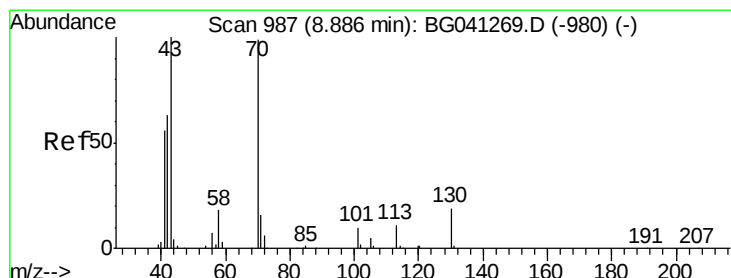
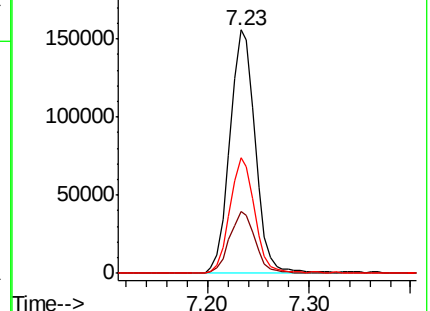
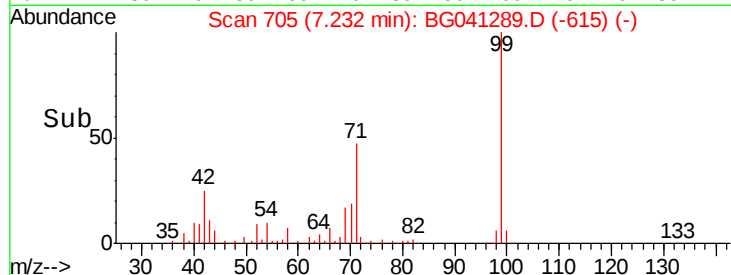
99 100

42 25.3 19.9 29.9

71 47.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 19.090 ng

RT: 9.27 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041289.D

Acq: 18 Jun 2019 2:39

Tgt Ion: 70 Resp: 43416

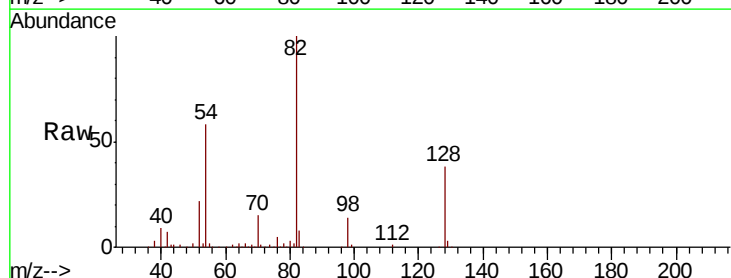
Ion Ratio Lower Upper

70 100

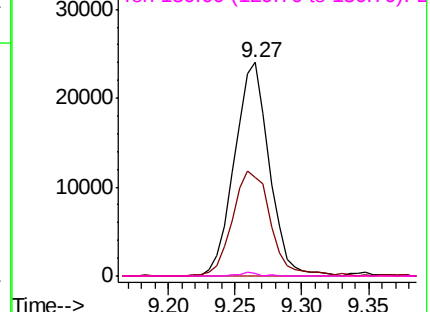
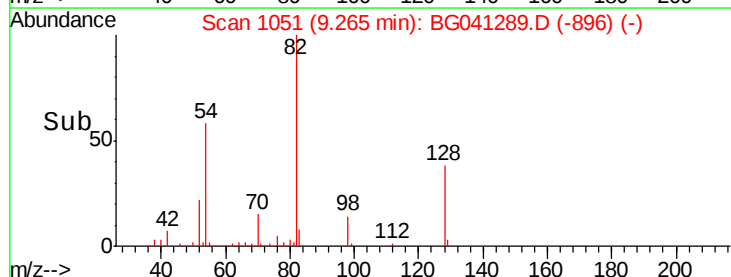
42 46.3 51.4 77.2#

101 0.0 8.2 12.2#

130 1.2 15.2 22.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

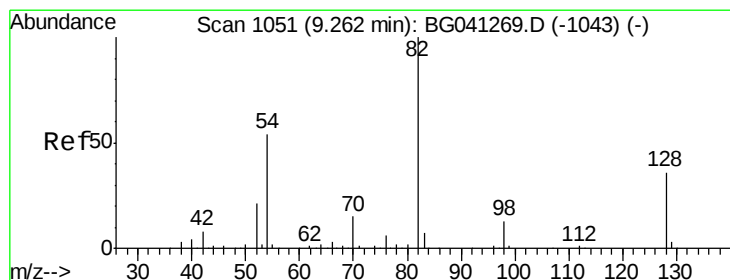
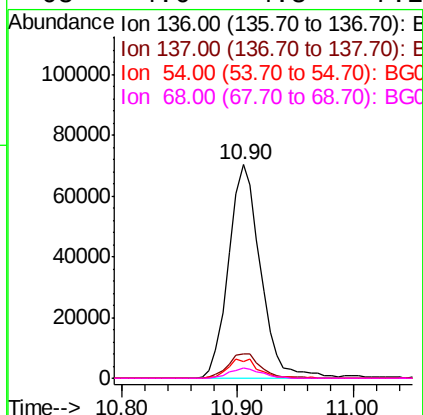
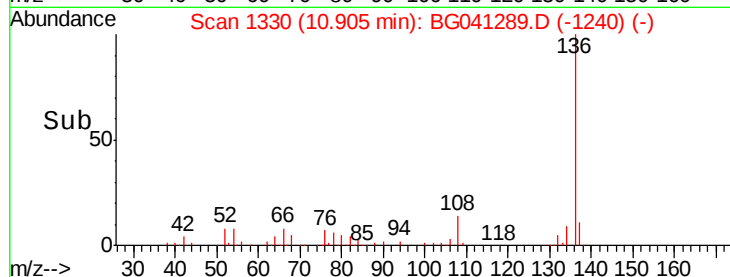
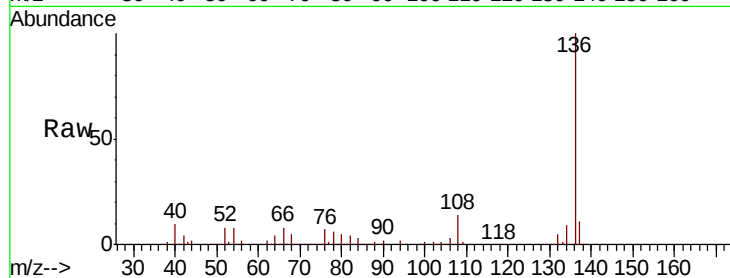




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041289.D
Acq: 18 Jun 2019 2:39

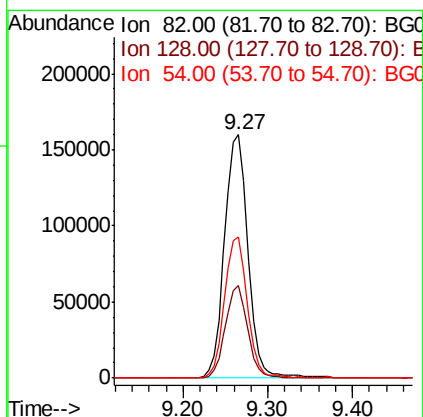
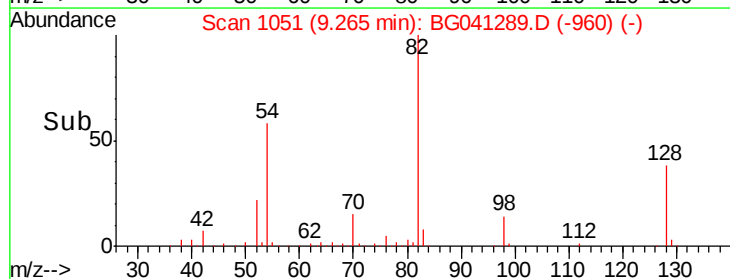
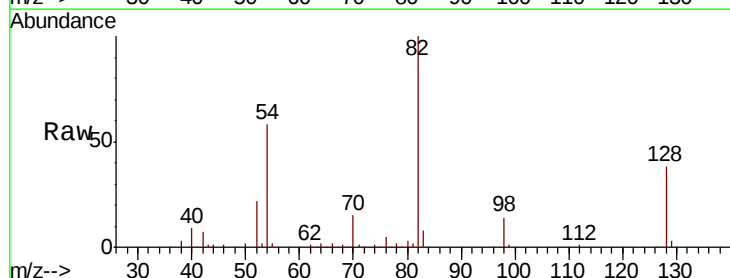
Instrument :
BNA_G
ClientSampled :

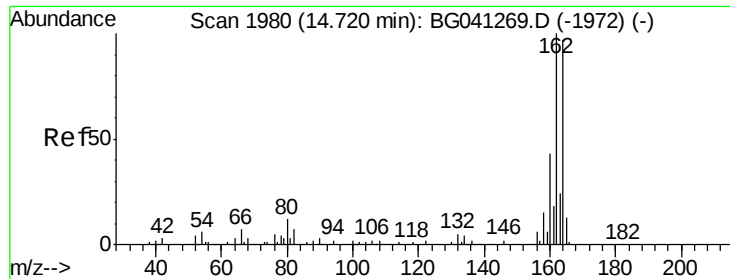
Tot Ion:	136	Resp:	135022
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	7.9	6.4	9.6
68	4.6	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 95.454 ng
RT: 9.27 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041289.D
Acq: 18 Jun 2019 2:39

Tgt Ion:	82	Resp:	306456
Ion	Ratio	Lower	Upper
82	100		
128	38.1	29.2	43.8
54	58.1	43.4	65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG041289.D

Acq: 18 Jun 2019 2:39

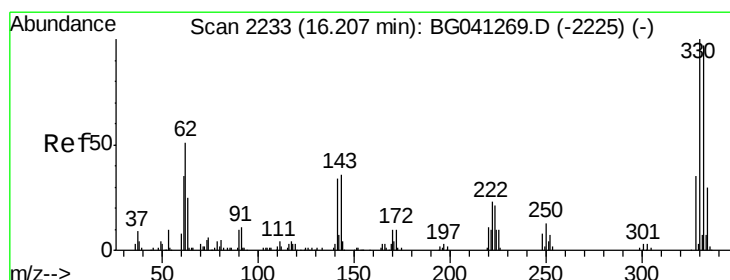
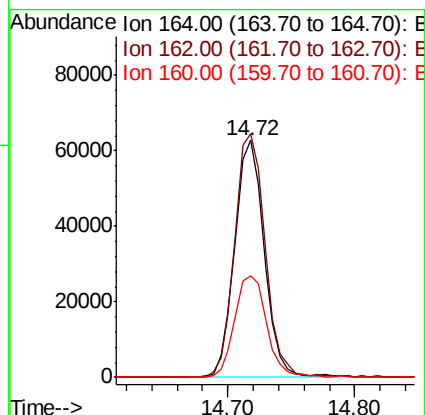
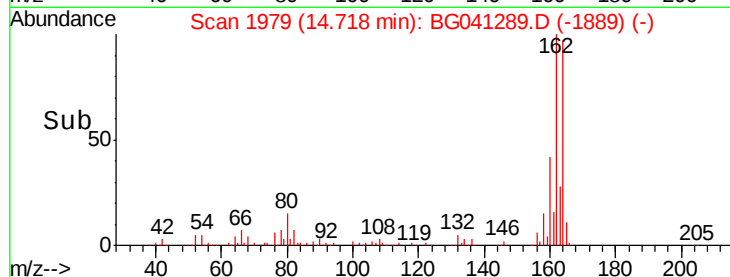
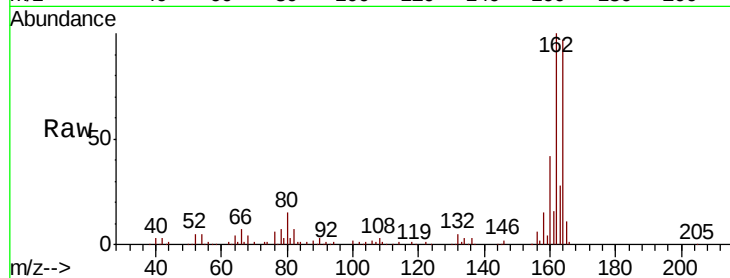
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 100967

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.8	124.2
160	42.8	35.8	53.8



#42

2,4,6-Tribromophenol

Concen: 115.088 ng

RT: 16.20 min Scan# 2232

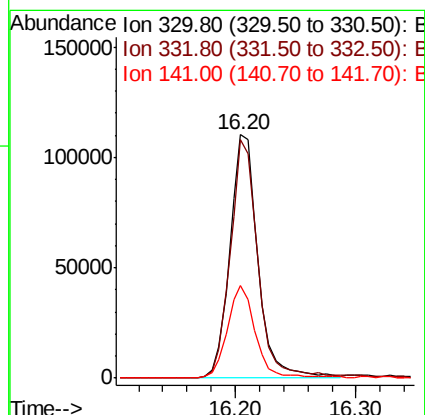
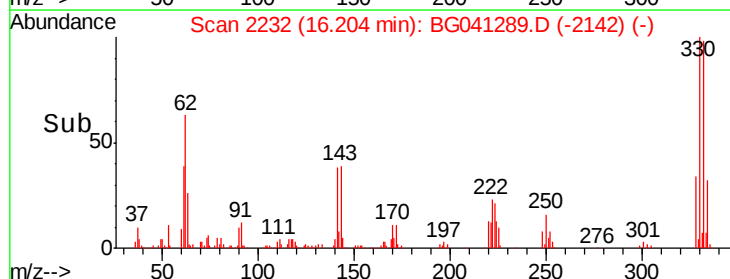
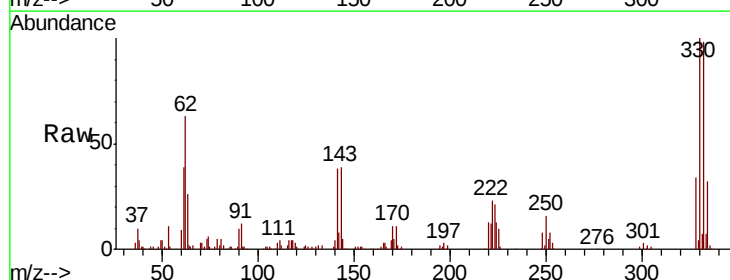
Delta R.T. -0.00 min

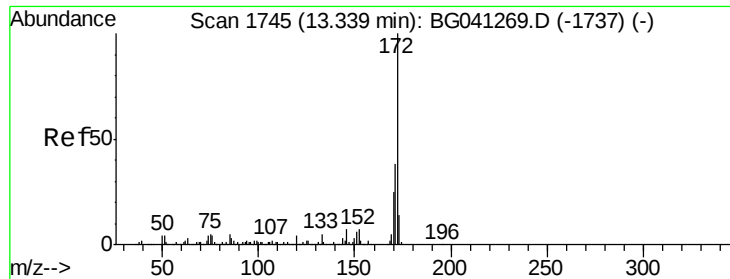
Lab File: BG041289.D

Acq: 18 Jun 2019 2:39

Tgt Ion:330 Resp: 178394

Ion	Ratio	Lower	Upper
330	100		
332	97.2	75.5	113.3
141	37.9	29.0	43.4

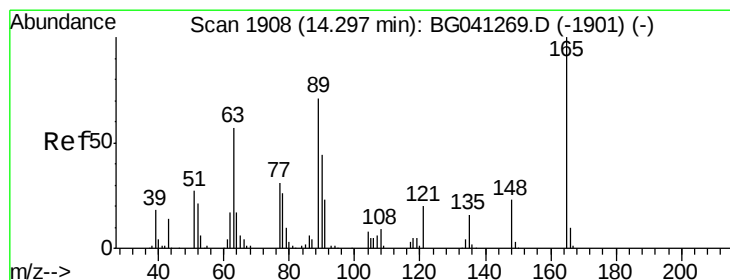
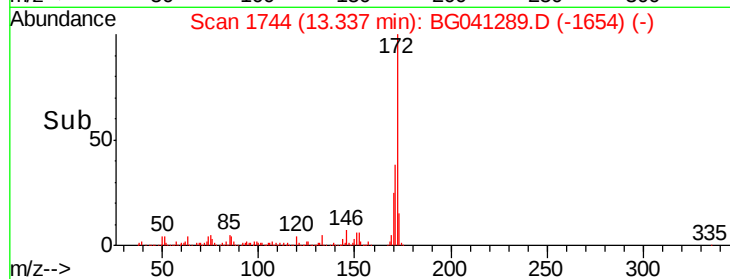
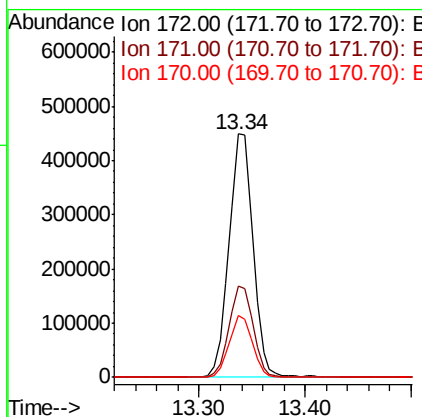
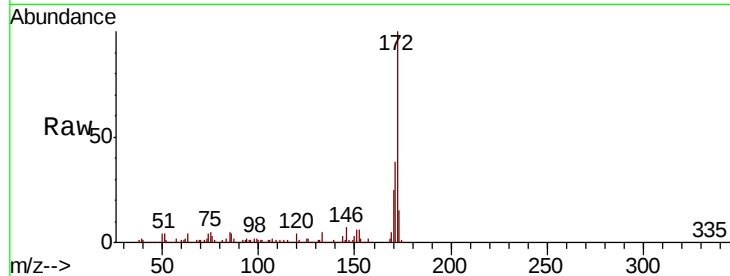




#45
2-Fluorobiphenyl
Concen: 94.829 ng
RT: 13.34 min Scan# 1744
Delta R.T. -0.00 min
Lab File: BG041289.D
Acq: 18 Jun 2019 2:39

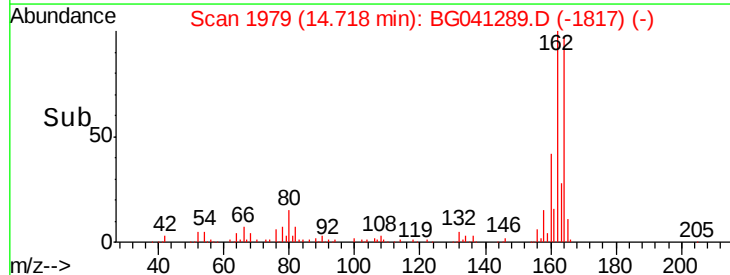
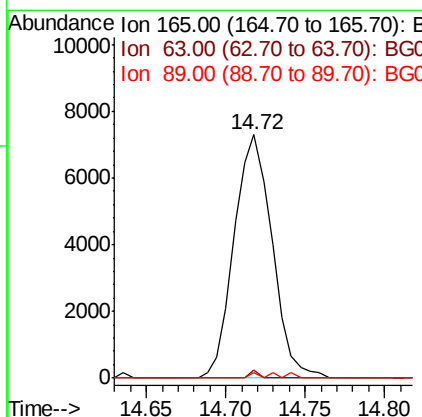
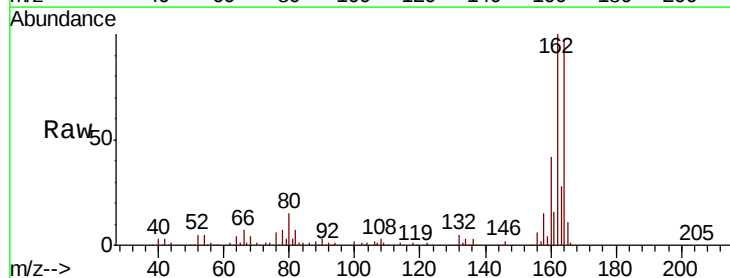
Instrument :
BNA_G
ClientSampleId :

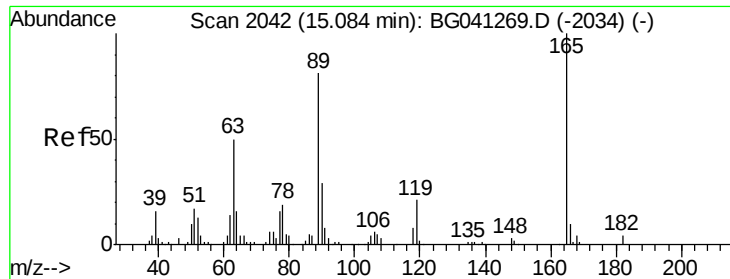
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	25.5	19.8	29.6



#51
2,6-Dinitrotoluene
Concen: 6.412 ng
RT: 14.72 min Scan# 1979
Delta R.T. 0.42 min
Lab File: BG041289.D
Acq: 18 Jun 2019 2:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.4	55.4	83.0#
89	2.5	56.5	84.7#





#57

2,4-Dinitrotoluene

Concen: 4.386 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.37 min

Lab File: BG041289.D

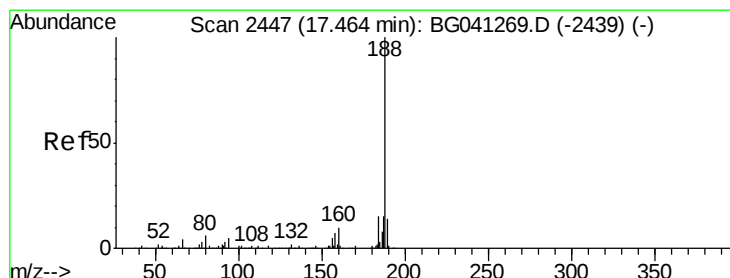
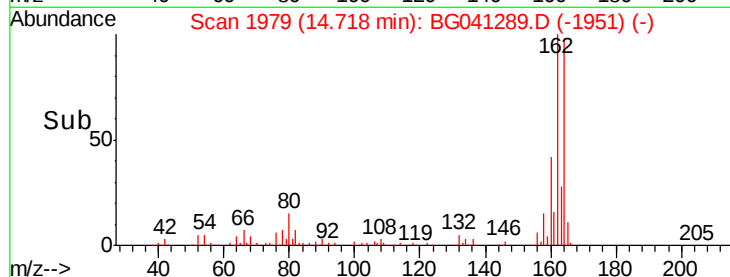
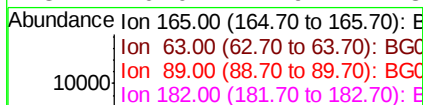
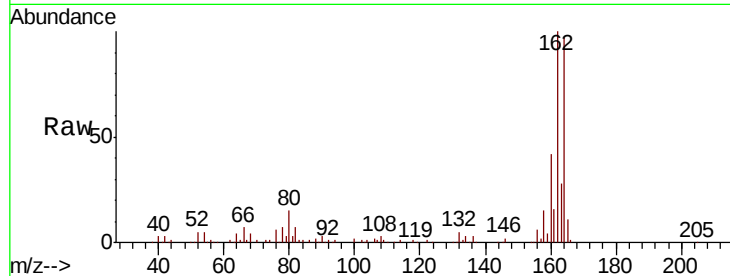
Acq: 18 Jun 2019 2:39

Instrument :

BNA_G

ClientSampled :

Tot Ion:165	Resp:	12145
Ion Ratio	Lower	Upper
165	100	
63	3.4	40.0 60.0#
89	2.5	64.6 96.8#
182	0.0	2.9 4.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

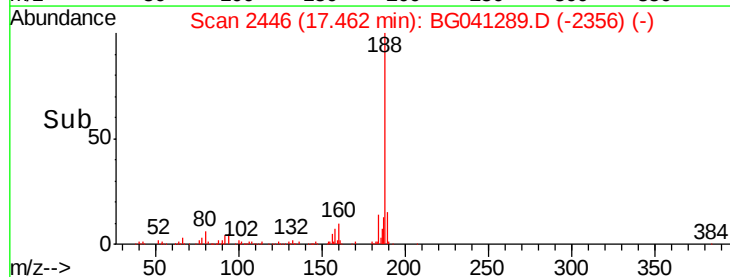
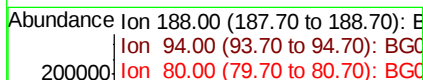
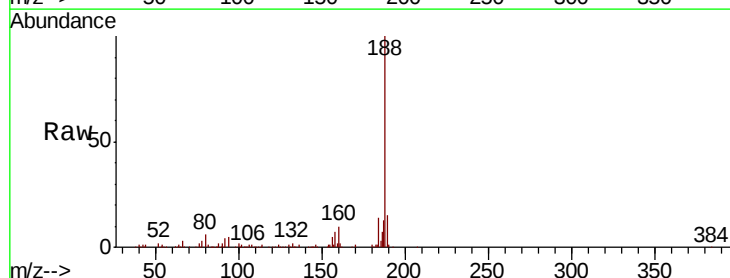
RT: 17.46 min Scan# 2446

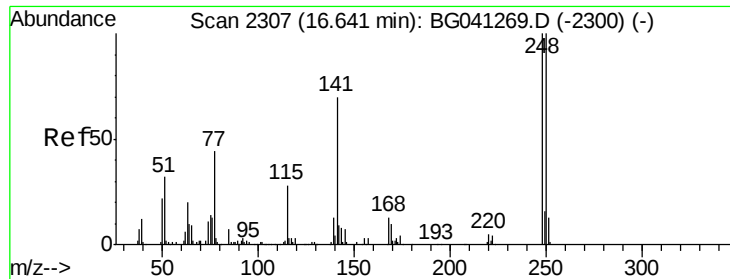
Delta R.T. -0.00 min

Lab File: BG041289.D

Acq: 18 Jun 2019 2:39

Tgt Ion:188	Resp:	246866
Ion Ratio	Lower	Upper
188	100	
94	5.2	3.6 5.4
80	5.9	4.8 7.2





#67

4-Bromophenyl-phenylether

Concen: 4.129 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.44 min

Lab File: BG041289.D

Acq: 18 Jun 2019 2:39

Instrument :

BNA_G

ClientSampled :

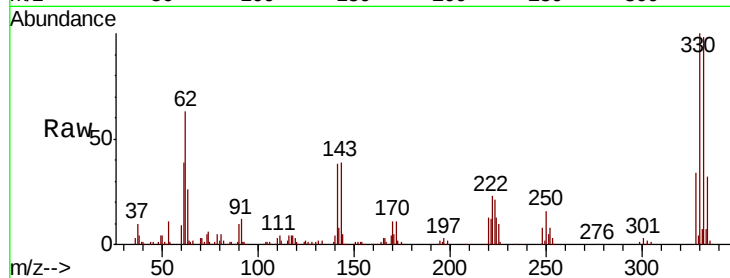
Tot Ion:248 Resp: 13180

Ion Ratio Lower Upper

248 100

250 186.8 79.8 119.8#

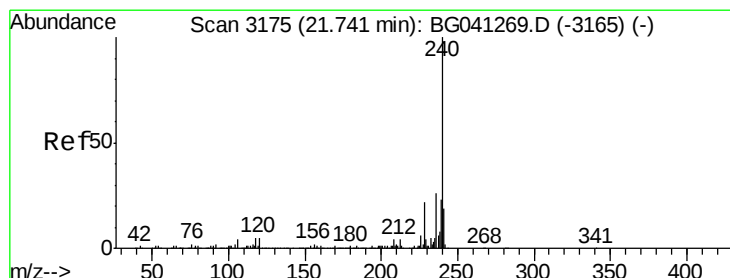
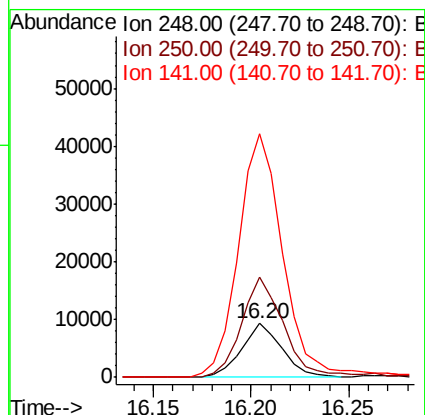
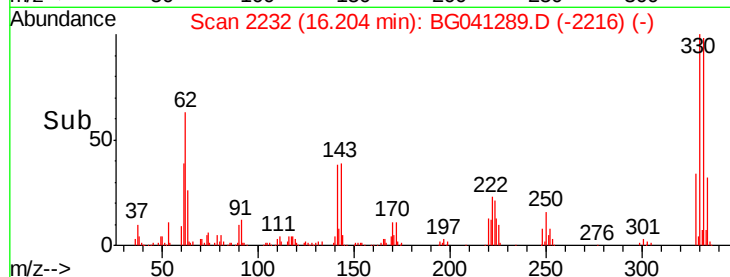
141 452.8 55.8 83.6#



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: BG041289.D

Acq: 18 Jun 2019 2:39

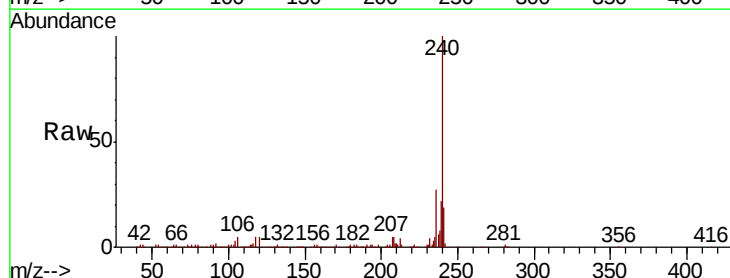
Tgt Ion:240 Resp: 250400

Ion Ratio Lower Upper

240 100

120 4.7 3.7 5.5

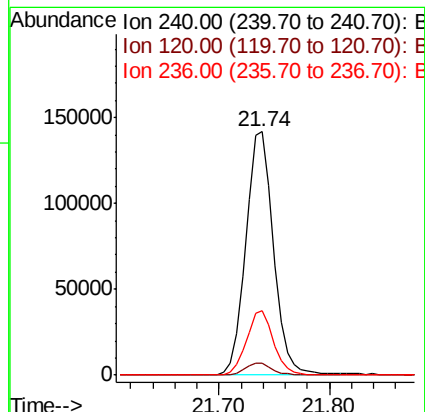
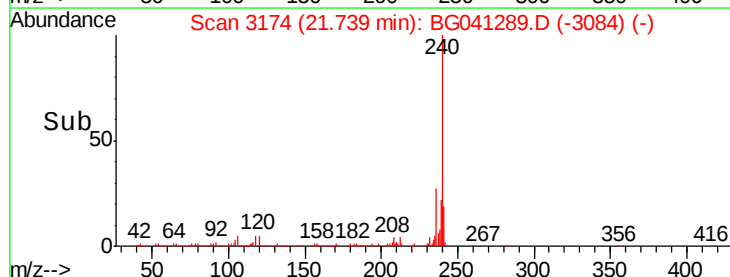
236 26.7 21.1 31.7

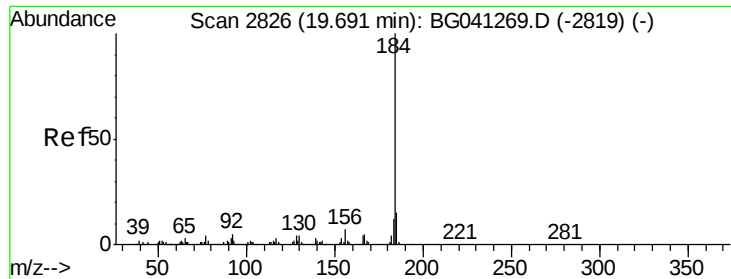


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.431 ng

RT: 20.06 min Scan# 2888

Delta R.T. 0.37 min

Lab File: BG041289.D

Acq: 18 Jun 2019 2:39

Instrument :

BNA_G

ClientSampleId :

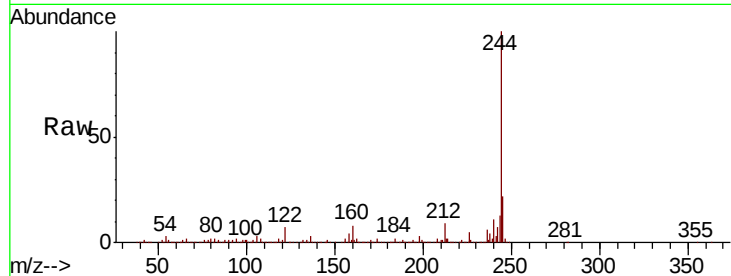
Tot Ion:184 Resp: 20782

Ion Ratio Lower Upper

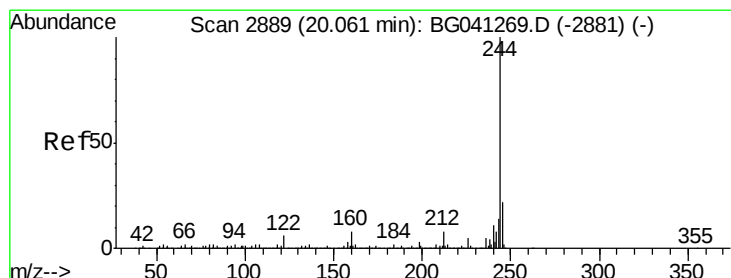
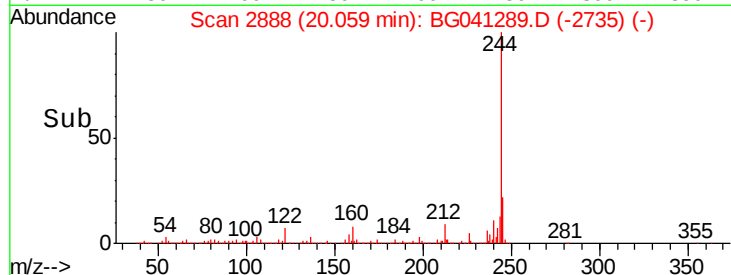
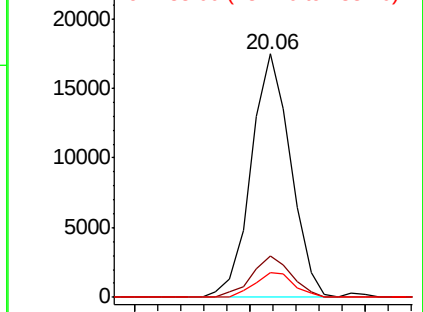
184 100

185 16.8 12.2 18.2

183 10.1 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: 97.530 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG041289.D

Acq: 18 Jun 2019 2:39

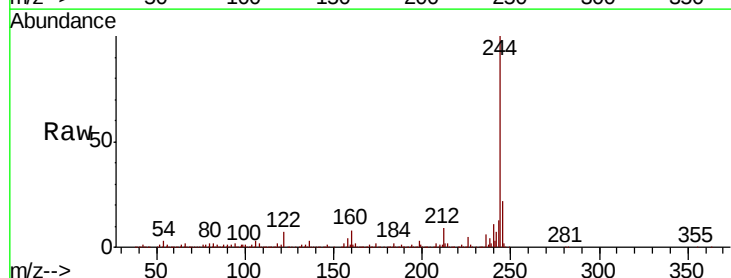
Tgt Ion:244 Resp: 1232295

Ion Ratio Lower Upper

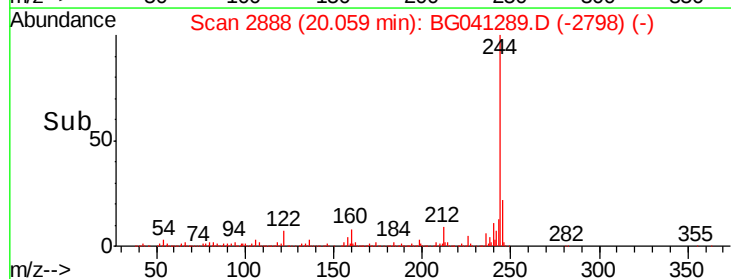
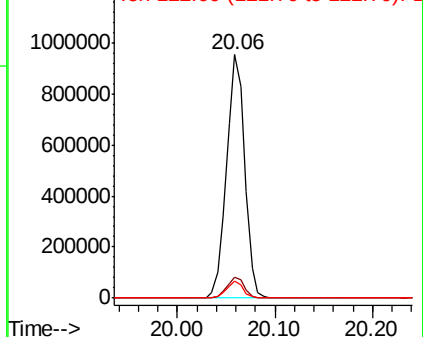
244 100

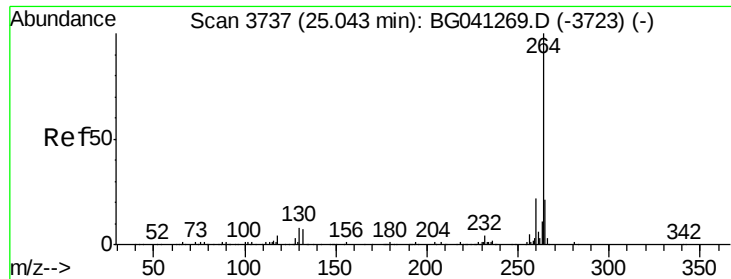
212 8.7 6.6 10.0

122 7.1 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
Pervlene-d12
Concen: 20.000 ng
RT: 25.05 min Scan# 3737
Delta R.T. 0.00 min
Lab File: BG041289.D
Acq: 18 Jun 2019 2:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.2
265	22.8	17.2	25.8

