

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061719\
 Data File : BG041280.D
 Acq On : 17 Jun 2019 20:57
 Operator : HP/JU
 Sample : PB120628BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 07:44:35 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

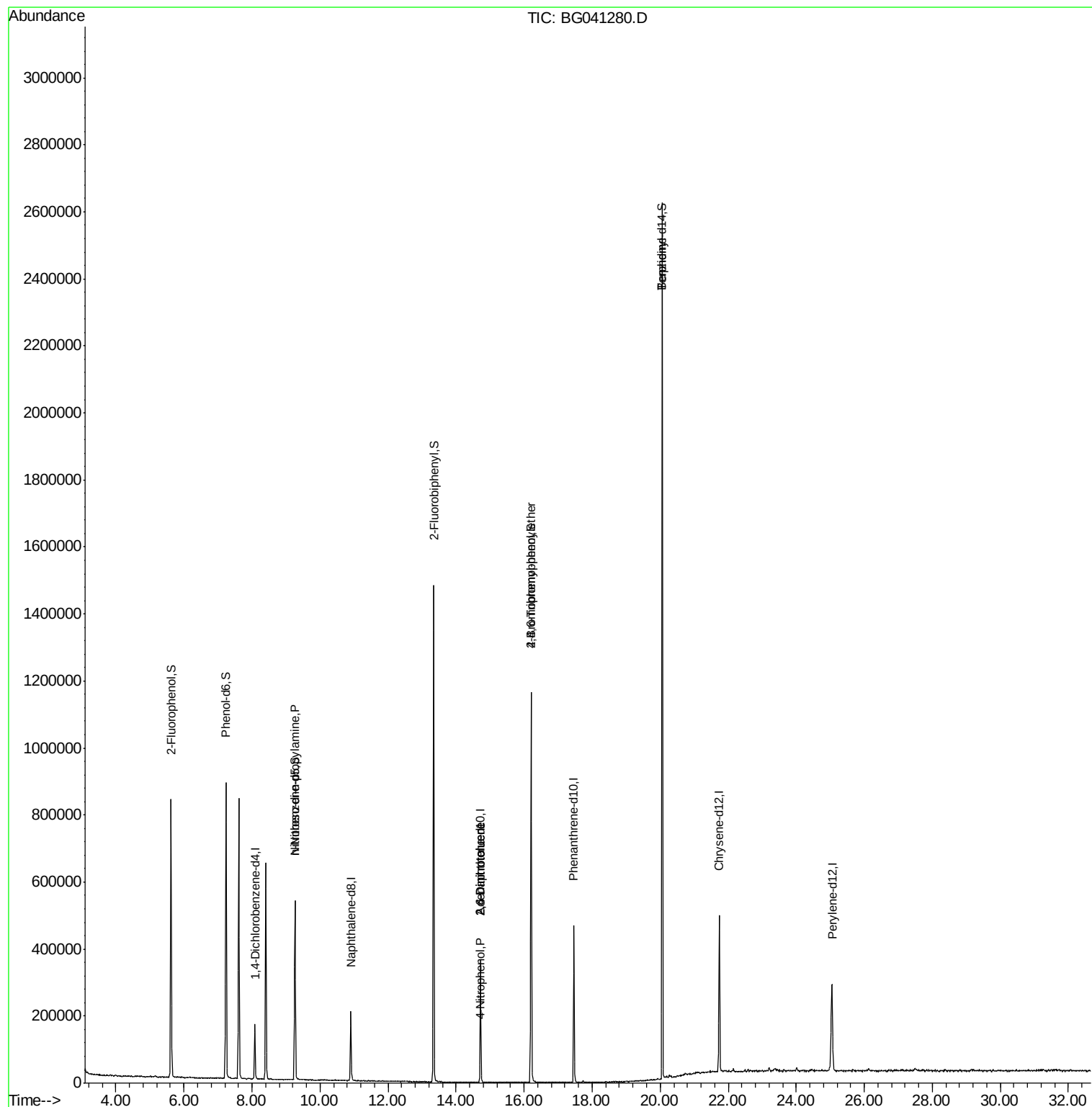
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	43672	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	172740	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	123624	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	301211	20.00	ng	0.00
76) Chrysene-d12	21.74	240	297309	20.00	ng	0.00
87) Perylene-d12	25.05	264	313571	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	311204	130.93	ng	0.00
7) Phenol-d6	7.24	99	447982	130.03	ng	0.00
23) Nitrobenzene-d5	9.26	82	321772	78.34	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	228279	120.28	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	754387	82.94	ng	0.00
79) Terphenyl-d14	20.06	244	1263766	84.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	47888	17.186	ng	# 79
51) 2,6-Dinitrotoluene	14.72	165	15070	6.498	ng	# 16
56) 4-Nitrophenol	14.69	139	60	3.249	ng	# 1
57) 2,4-Dinitrotoluene	14.72	165	15070	4.445	ng	# 19
67) 4-Bromophenyl-phenylether	16.21	248	16790	4.311	ng	# 1
77) Benzidine	20.06	184	21550	2.997	ng	98

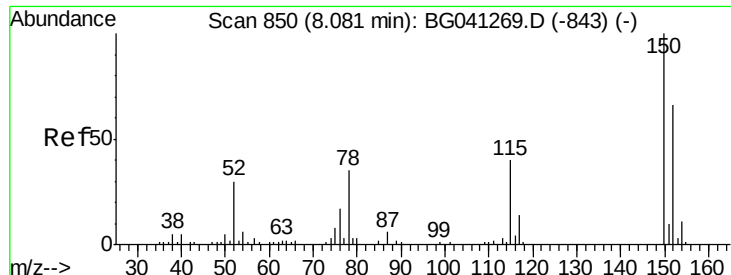
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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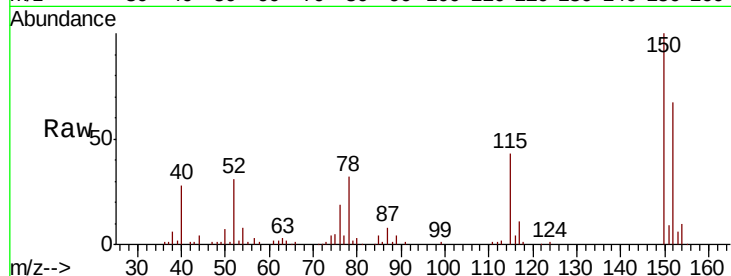


#1

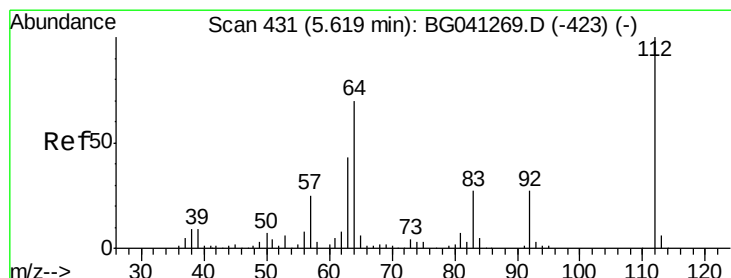
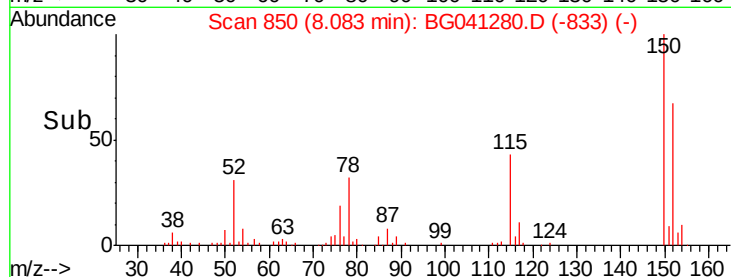
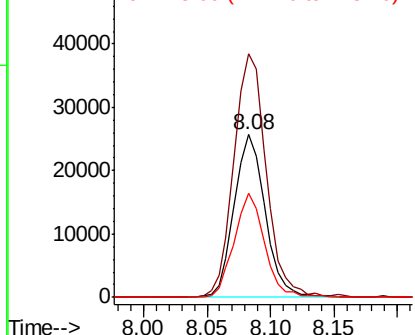
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 43672
Ion Ratio Lower Upper
152 100
150 149.6 120.6 181.0
115 63.7 47.9 71.9



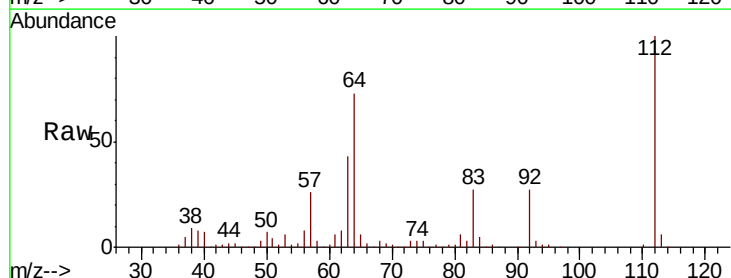
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



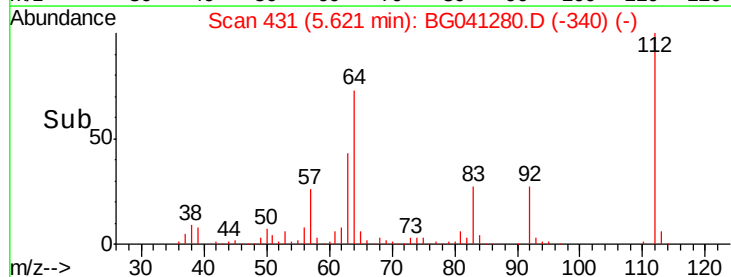
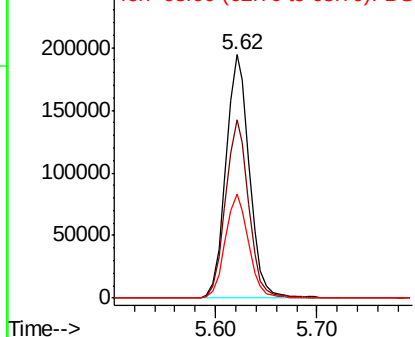
#5

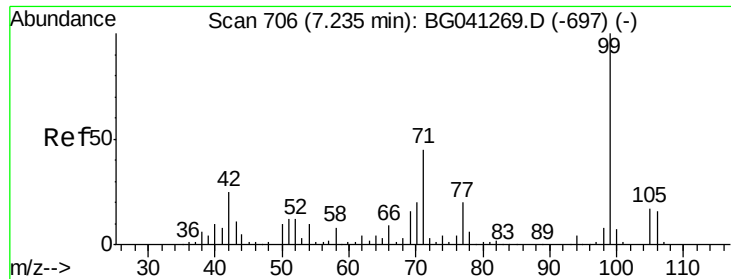
2-Fluorophenol
Concen: 130.933 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

Tgt Ion:112 Resp: 311204
Ion Ratio Lower Upper
112 100
64 73.3 55.9 83.9
63 42.9 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: 130.030 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041280.D

Acq: 17 Jun 2019 20:57

Instrument :

BNA_G

ClientSampleId :

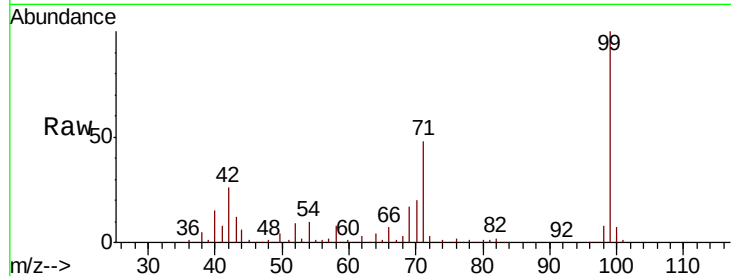
Tot Ion: 99 Resp: 447982

Ion Ratio Lower Upper

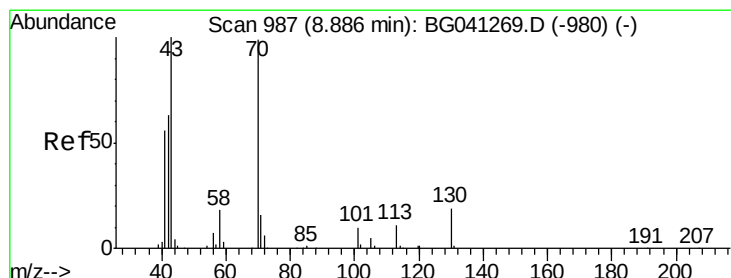
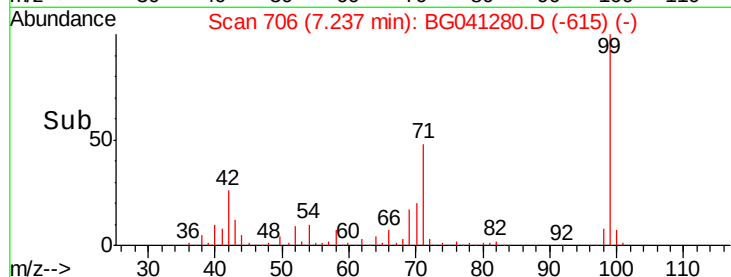
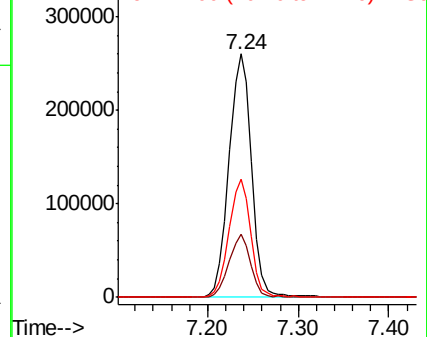
99 100

42 25.8 19.9 29.9

71 48.4 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: 17.186 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041280.D

Acq: 17 Jun 2019 20:57

Tgt Ion: 70 Resp: 47888

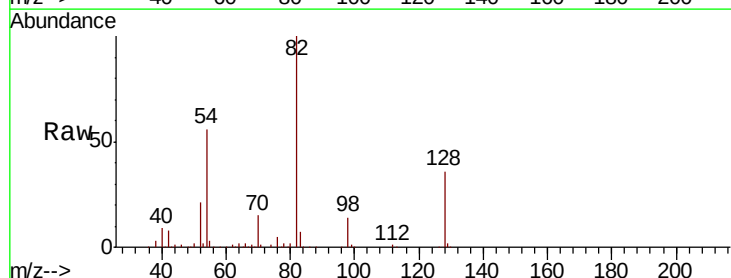
Ion Ratio Lower Upper

70 100

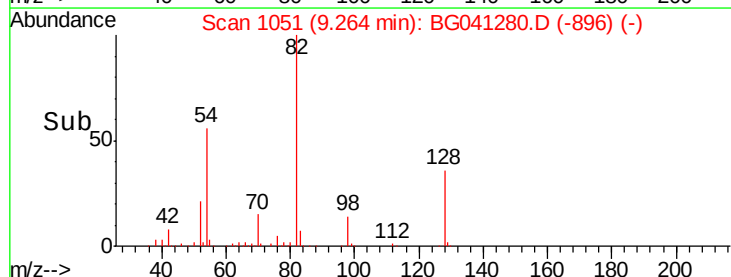
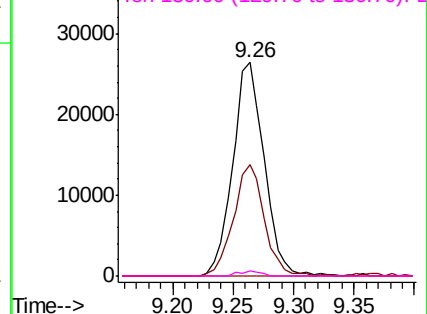
42 52.3 51.4 77.2

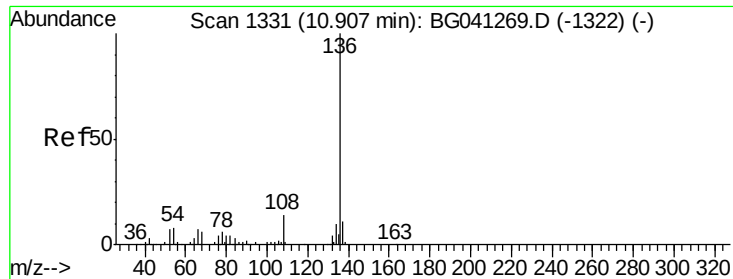
101 0.0 8.2 12.2#

130 2.2 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

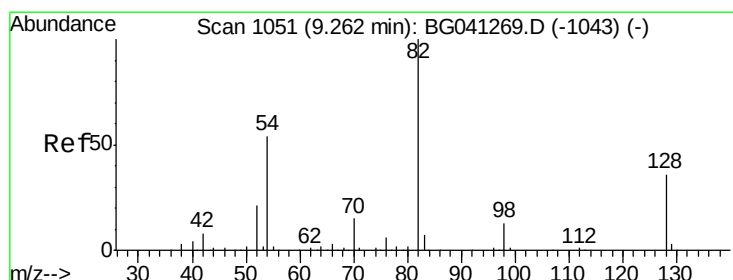
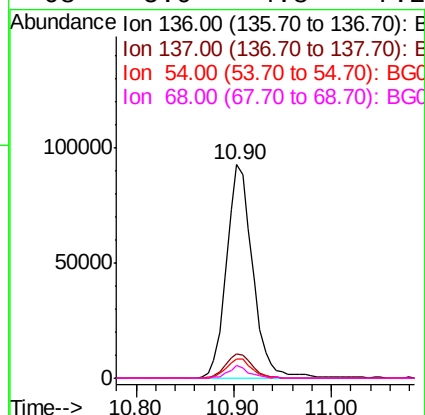
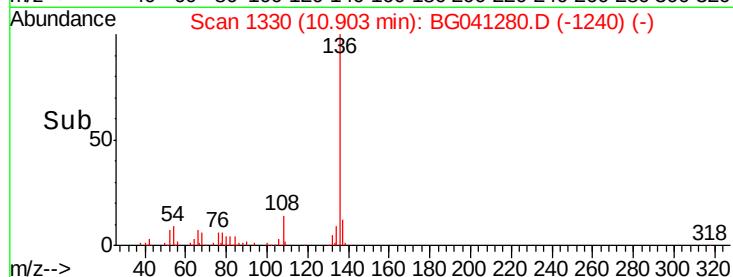
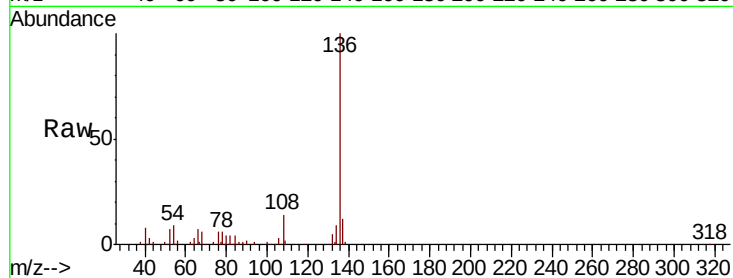




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

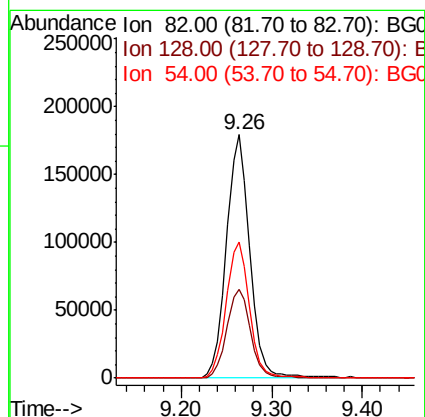
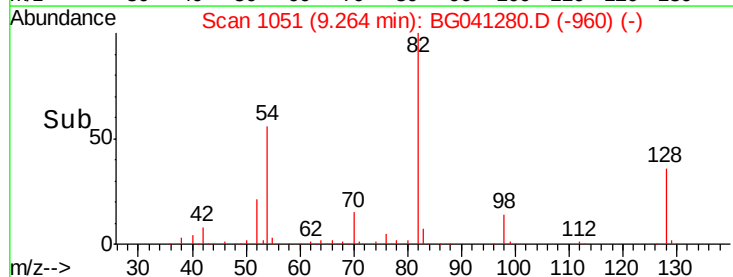
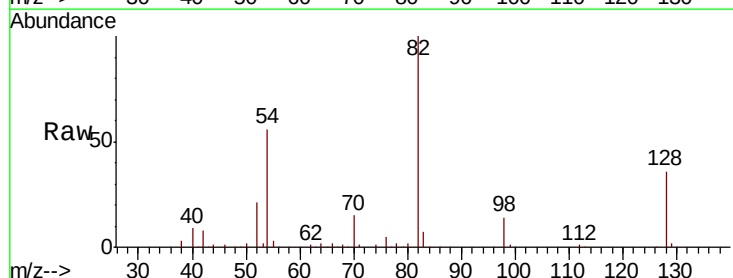
Instrument :
BNA_G
ClientSampleId :

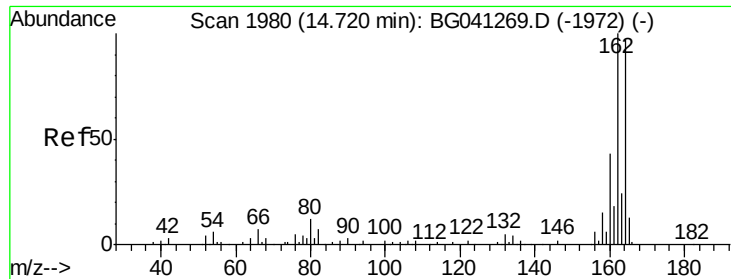
Tot Ion:136	Resp:	172740
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.8 13.2
54	8.9	6.4 9.6
68	5.9	4.8 7.2



#23
Nitrobenzene-d5
Concen: 78.340 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

Tgt Ion: 82	Resp:	321772
Ion	Ratio	Lower Upper
82	100	
128	36.4	29.2 43.8
54	56.1	43.4 65.0

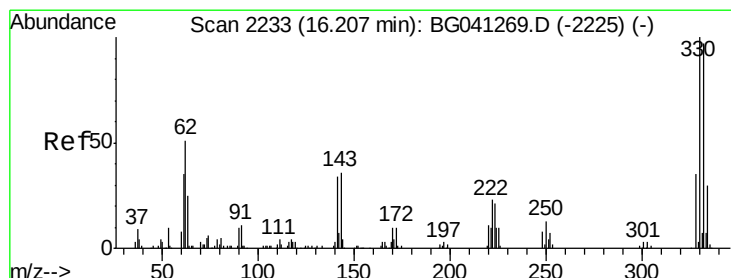
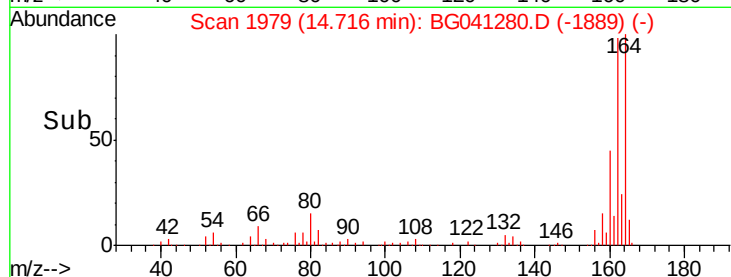
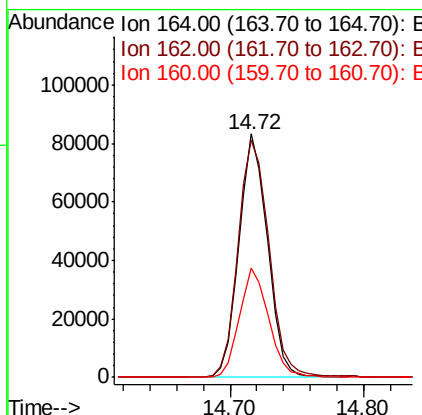
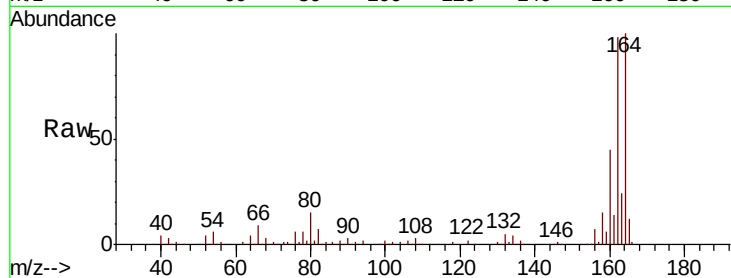




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

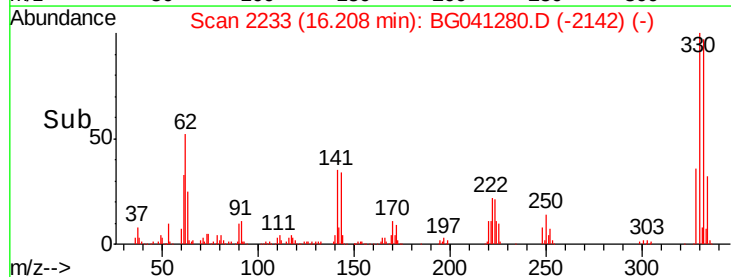
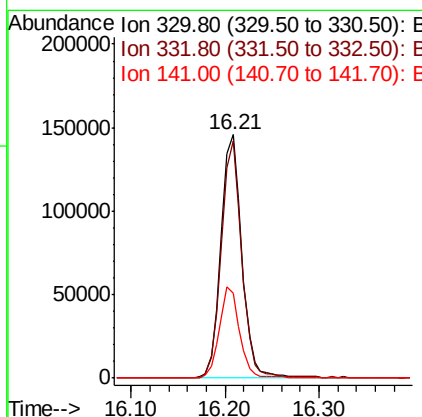
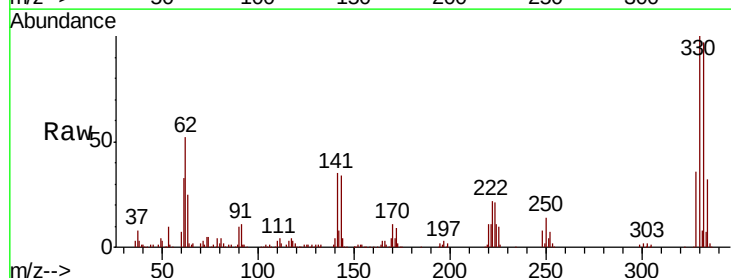
Instrument :
BNA_G
ClientSampleId :

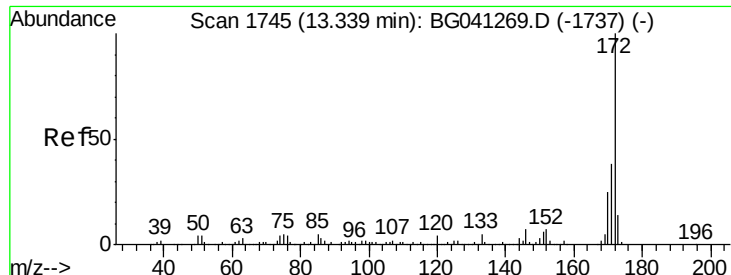
Tot Ion	Ratio	Lower	Upper
164	100		
162	97.6	82.8	124.2
160	44.8	35.8	53.8



#42
2,4,6-Tribromophenol
Concen: 120.280 ng
RT: 16.21 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.5	113.3
141	36.0	29.0	43.4

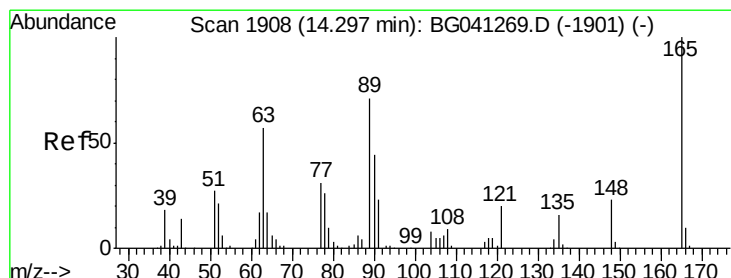
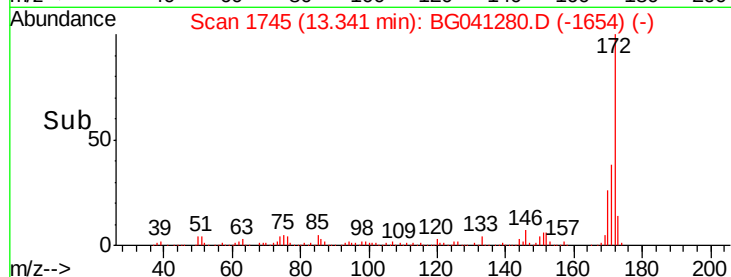
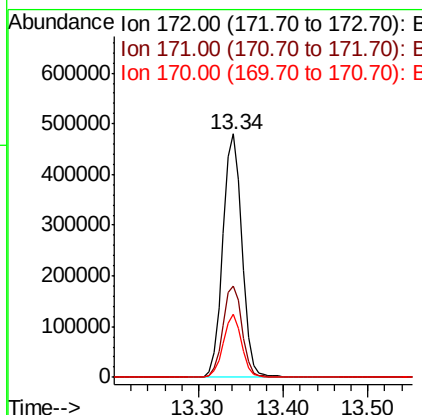
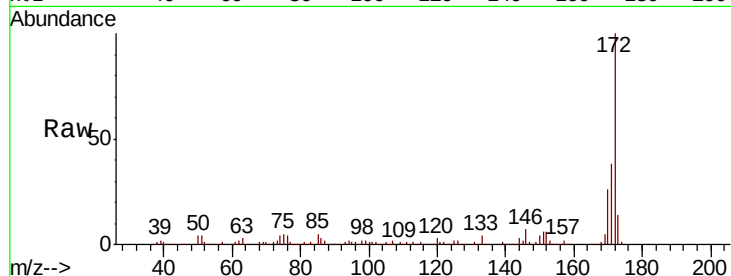




#45
2-Fluorobiphenyl
Concen: 82.939 ng
RT: 13.34 min Scan# 1745
Delta R.T. 0.00 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

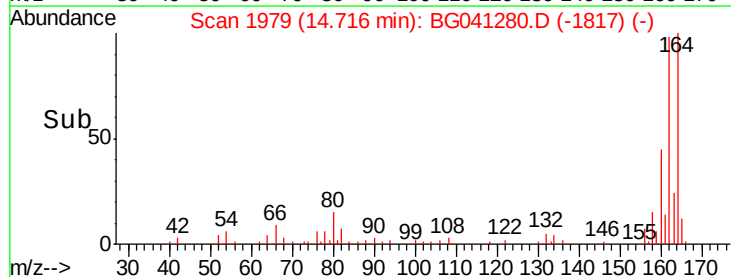
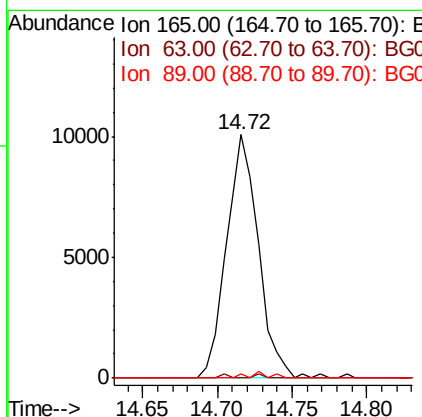
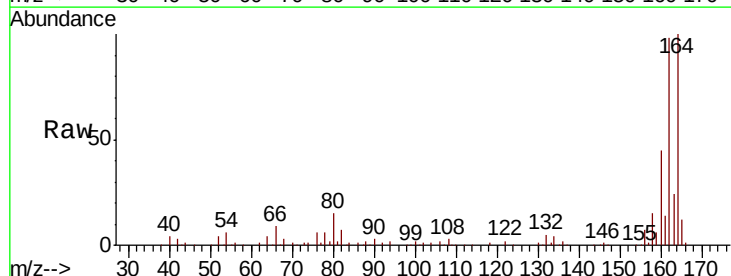
Instrument :
BNA_G
ClientSampleId :

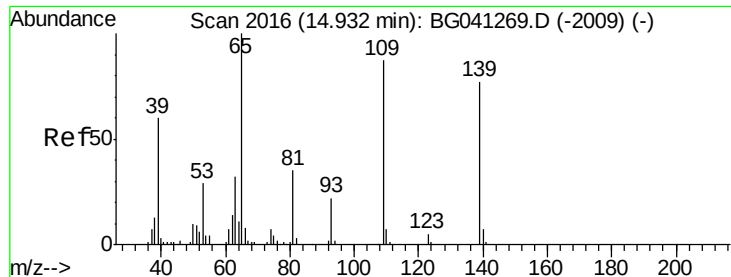
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	26.1	19.8	29.6



#51
2,6-Dinitrotoluene
Concen: 6.498 ng
RT: 14.72 min Scan# 1979
Delta R.T. 0.42 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	1.6	56.5	84.7#

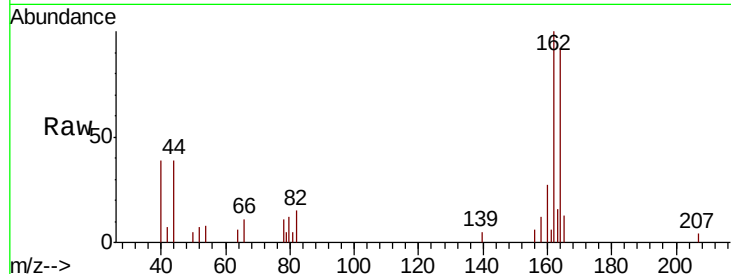




#56
4-Nitrophenol
Concen: 3.249 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.24 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	93.2	133.2#
65	0.0	110.2	150.2#

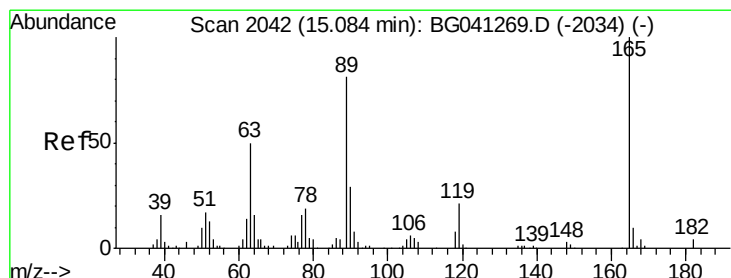
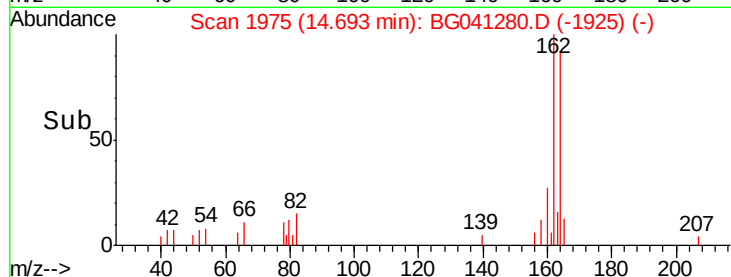
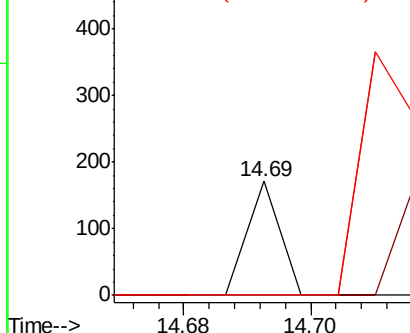


Abundance

Ion 139.00 (138.70 to 139.70): E

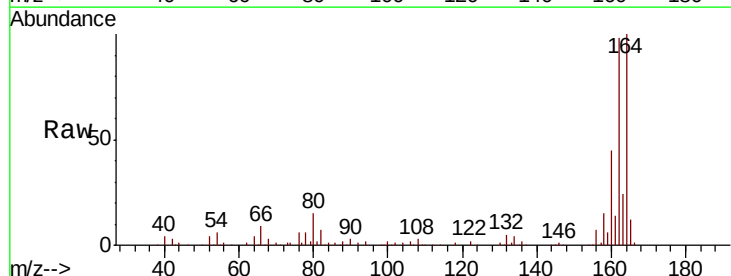
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57
2,4-Dinitrotoluene
Concen: 4.445 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.37 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	1.6	64.6	96.8#
182	0.0	2.9	4.3#



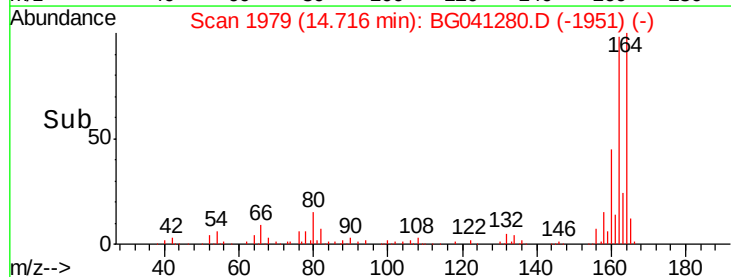
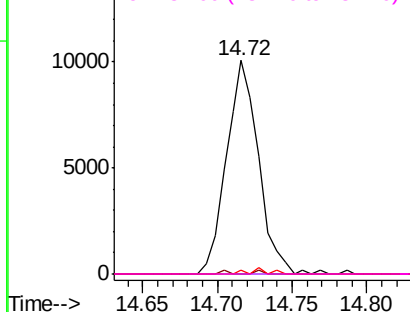
Abundance

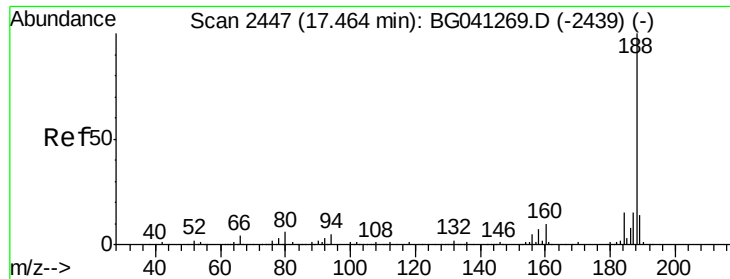
Ion 165.00 (164.70 to 165.70): E

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: BG041280.D

Acq: 17 Jun 2019 20:57

Instrument :

BNA_G

ClientSampled :

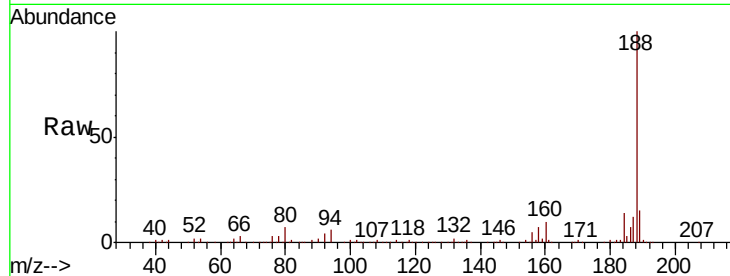
Tot Ion:188 Resp: 301211

Ion Ratio Lower Upper

188 100

94 5.5 3.6 5.4#

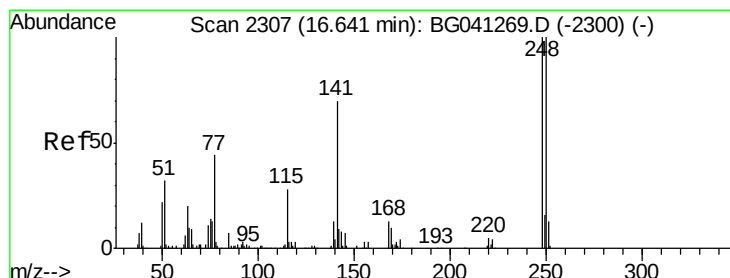
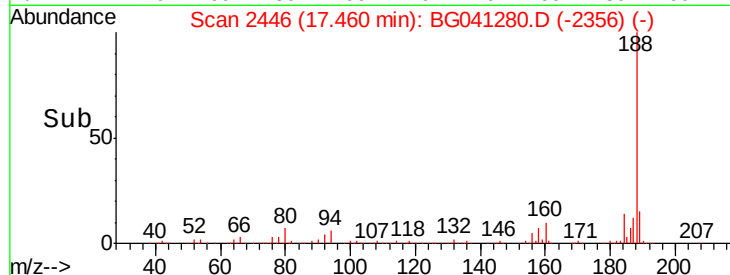
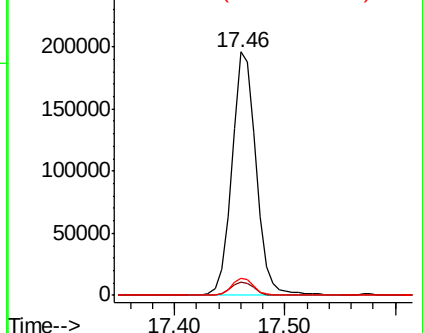
80 7.1 4.8 7.2



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: 4.311 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.43 min

Lab File: BG041280.D

Acq: 17 Jun 2019 20:57

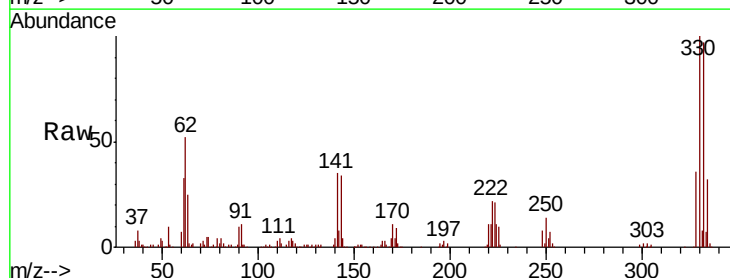
Tgt Ion:248 Resp: 16790

Ion Ratio Lower Upper

248 100

250 172.4 79.8 119.8#

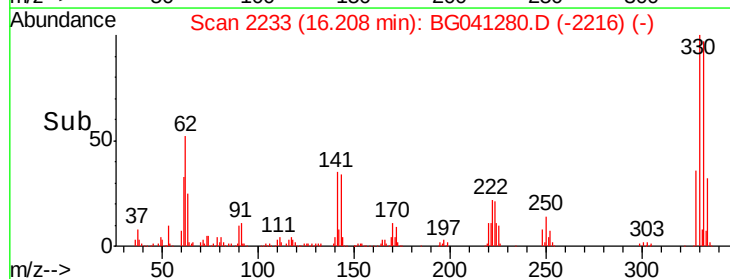
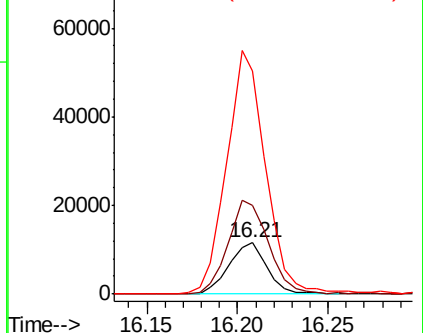
141 433.9 55.8 83.6#

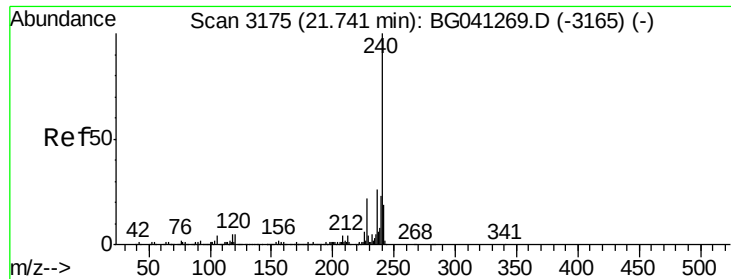


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

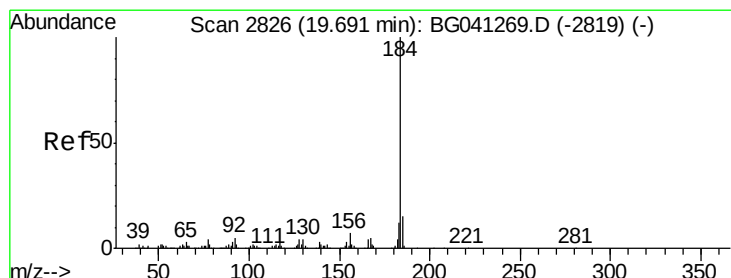
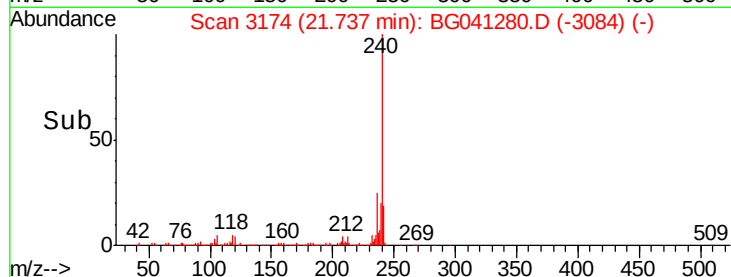
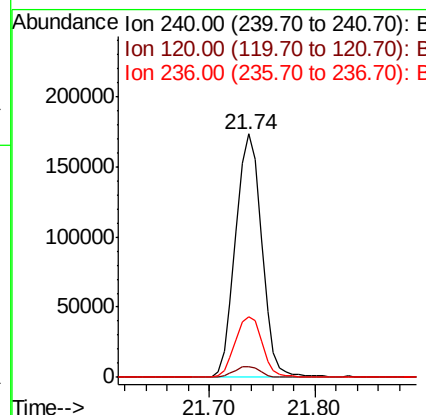
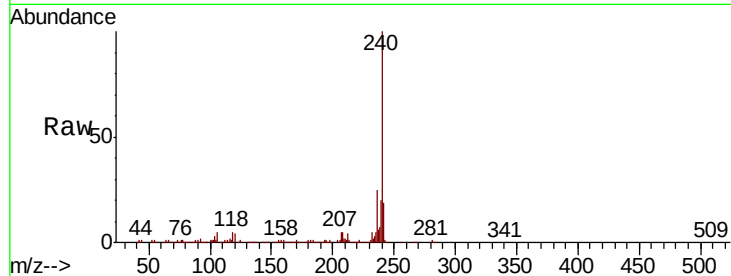




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

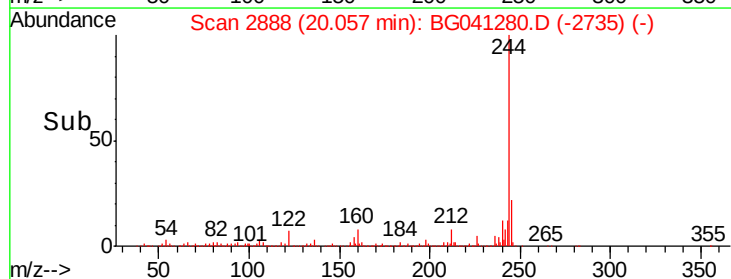
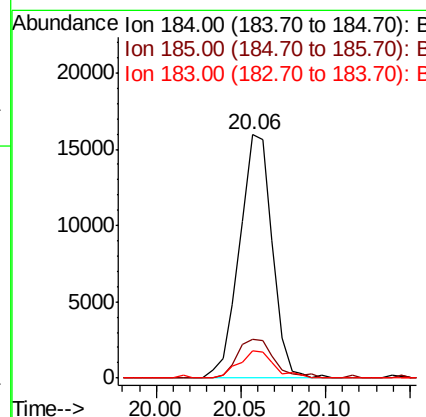
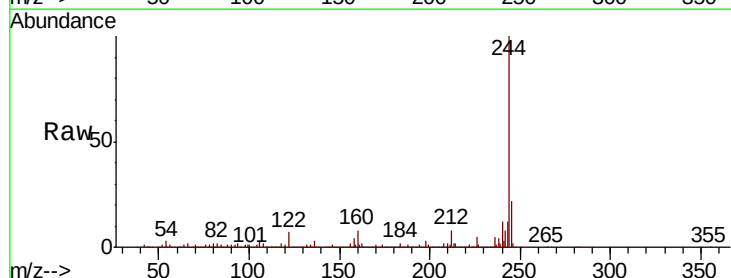
Instrument :
BNA_G
ClientSampleId :

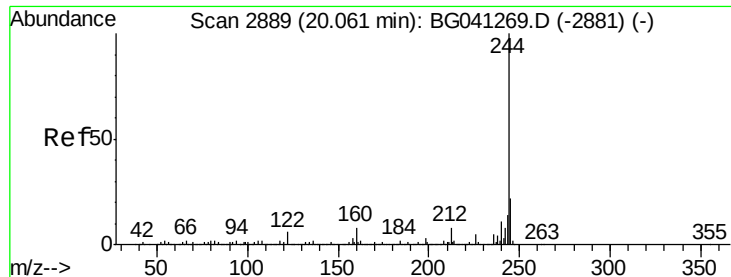
Tot Ion:240 Resp: 297309
Ion Ratio Lower Upper
240 100
120 4.3 3.7 5.5
236 25.0 21.1 31.7



#77
Benzidine
Concen: 2.997 ng
RT: 20.06 min Scan# 2888
Delta R.T. 0.37 min
Lab File: BG041280.D
Acq: 17 Jun 2019 20:57

Tgt Ion:184 Resp: 21550
Ion Ratio Lower Upper
184 100
185 16.2 12.2 18.2
183 11.0 9.6 14.4





#79

Terphenyl-d14

Concen: 84.240 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041280.D

Acq: 17 Jun 2019 20:57

Instrument :

BNA_G

ClientSampleId :

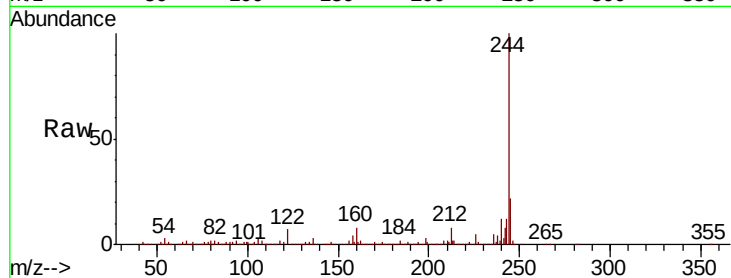
Tot Ion:244 Resp: 1263766

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

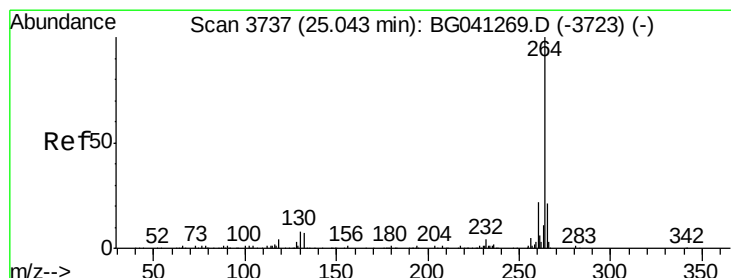
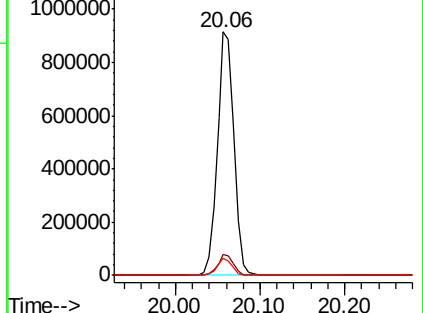
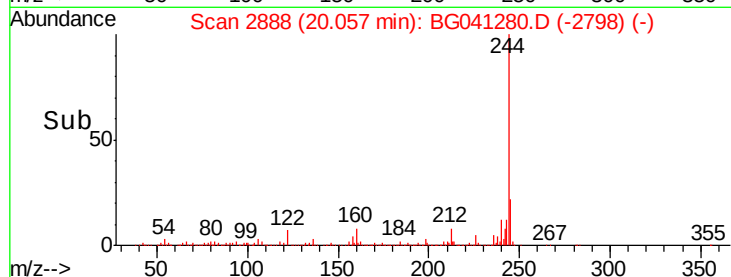
122 6.9 5.0 7.4



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: BG041280.D

Acq: 17 Jun 2019 20:57

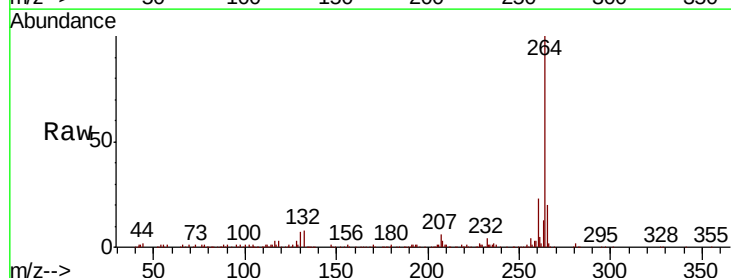
Tgt Ion:264 Resp: 313571

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.2

265 19.6 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

