

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
 Data File : BG041327.D
 Acq On : 19 Jun 2019 14:26
 Operator : HP/JU
 Sample : PB120729BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 19 15:15:45 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

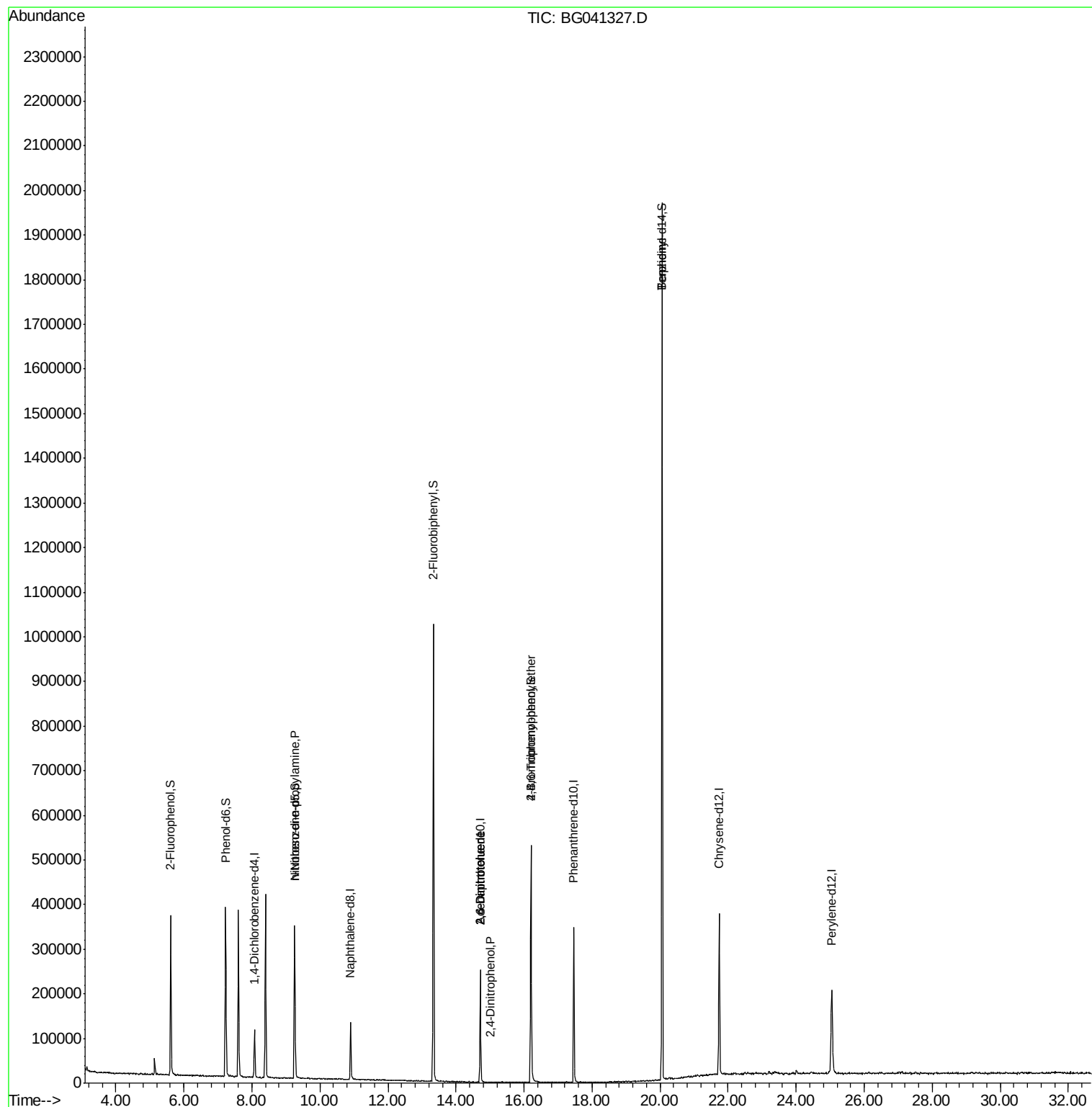
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	30065	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	115558	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	88957	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	231299	20.00	ng	0.00
76) Chrysene-d12	21.73	240	238018	20.00	ng	0.00
87) Perylene-d12	25.04	264	243572	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	139957	85.53	ng	0.00
7) Phenol-d6	7.23	99	197695	83.35	ng	0.00
23) Nitrobenzene-d5	9.25	82	219854	80.01	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	106978	78.33	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	524587	80.15	ng	0.00
79) Terphenyl-d14	20.06	244	957725	79.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	31100	16.212	ng	# 82
51) 2,6-Dinitrotoluene	14.71	165	11411	6.837	ng	# 16
54) 2,4-Dinitrophenol	15.02	184	59	4.892	ng	# 13
57) 2,4-Dinitrotoluene	14.71	165	11411	4.677	ng	# 19
67) 4-Bromophenyl-phenylether	16.20	248	8225	2.750	ng	# 1
77) Benzidine	20.06	184	15748	2.735	ng	# 82

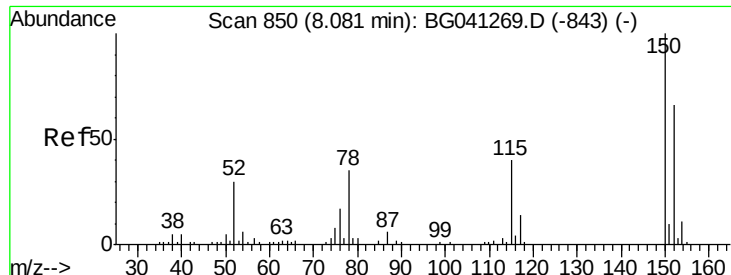
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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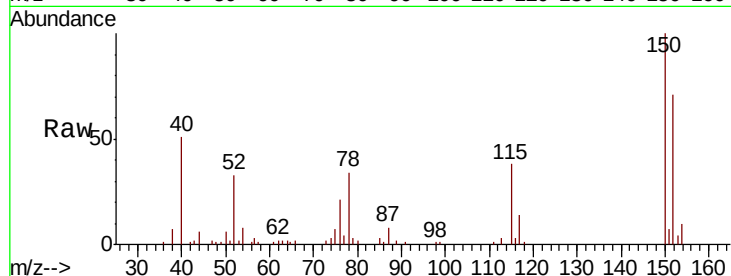


#1

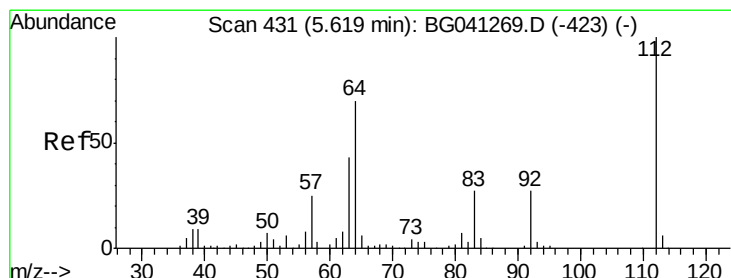
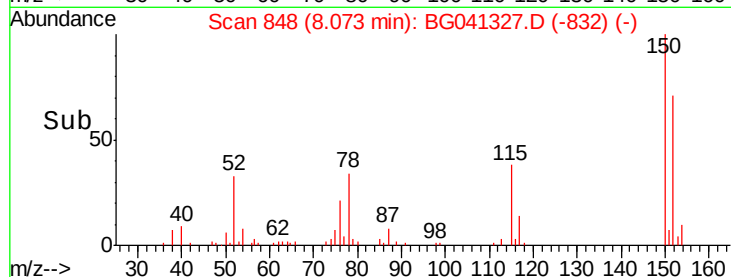
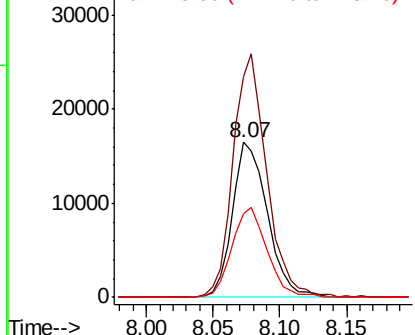
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG041327.D
Acq: 19 Jun 2019 14:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30065
Ion Ratio Lower Upper
152 100
150 141.7 120.6 181.0
115 54.3 47.9 71.9



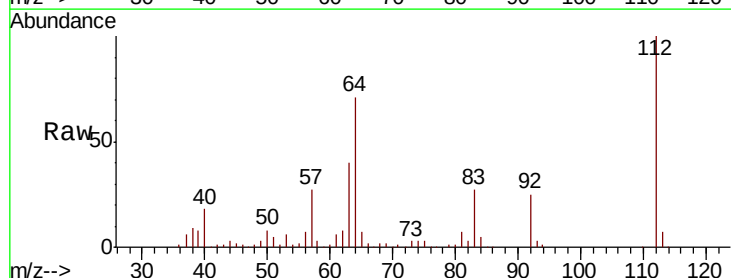
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



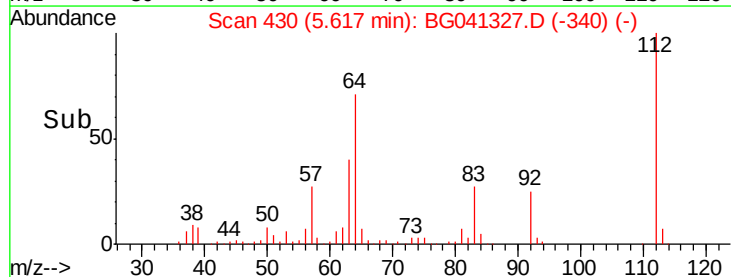
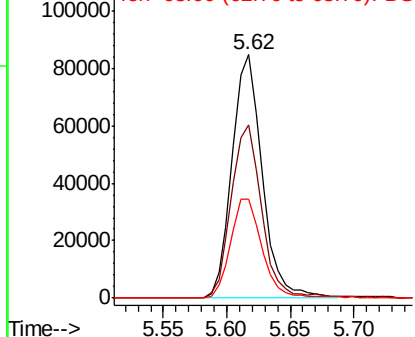
#5

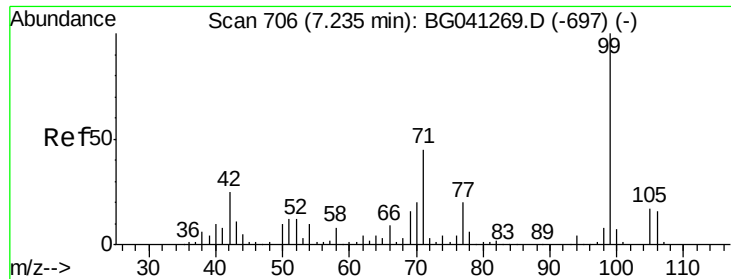
2-Fluorophenol
Concen: 85.534 ng
RT: 5.62 min Scan# 430
Delta R.T. -0.00 min
Lab File: BG041327.D
Acq: 19 Jun 2019 14:26

Tgt Ion:112 Resp: 139957
Ion Ratio Lower Upper
112 100
64 71.4 55.9 83.9
63 40.5 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: 83.353 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG041327.D

Acq: 19 Jun 2019 14:26

Instrument :

BNA_G

ClientSampleId :

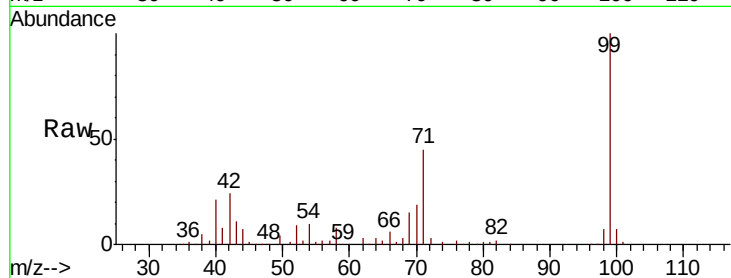
Tot Ion: 99 Resp: 197695

Ion Ratio Lower Upper

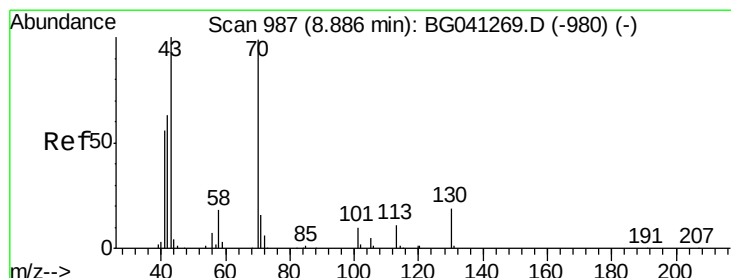
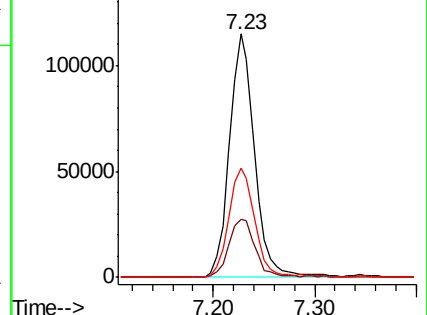
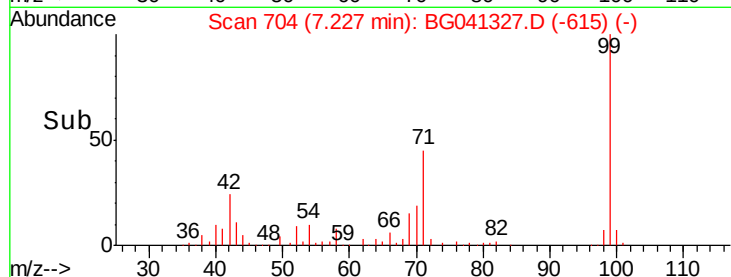
99 100

42 24.1 19.9 29.9

71 45.0 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: 16.212 ng

RT: 9.26 min Scan# 1050

Delta R.T. 0.37 min

Lab File: BG041327.D

Acq: 19 Jun 2019 14:26

Tgt Ion: 70 Resp: 31100

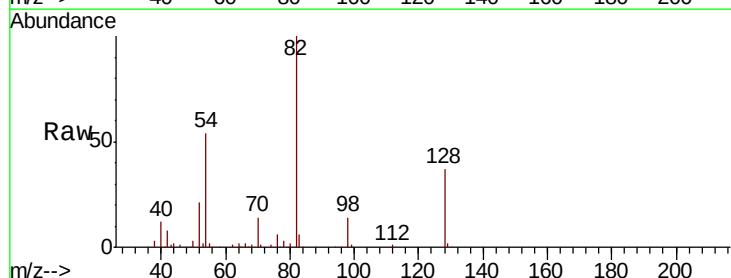
Ion Ratio Lower Upper

70 100

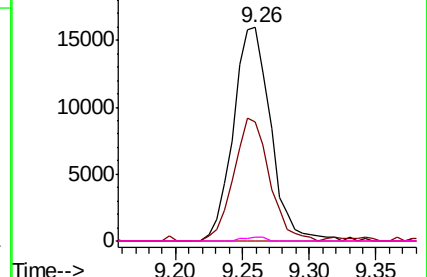
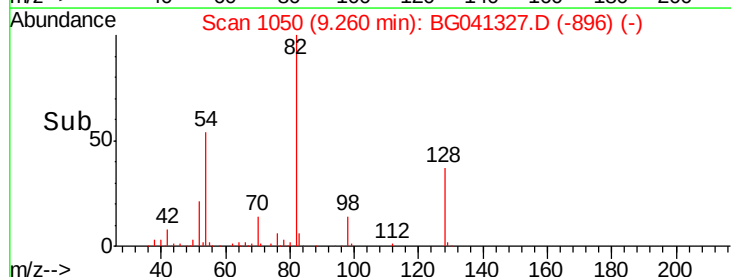
42 55.6 51.4 77.2

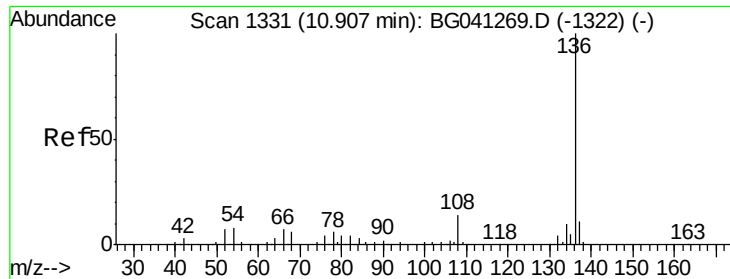
101 0.0 8.2 12.2#

130 1.7 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

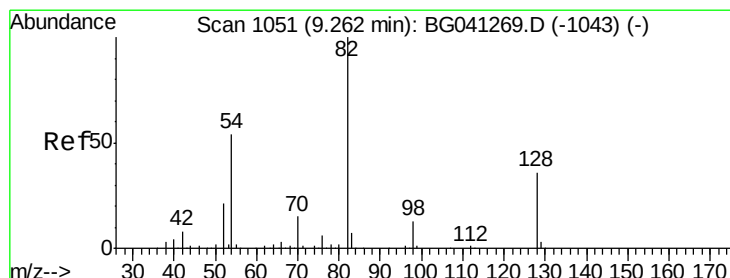
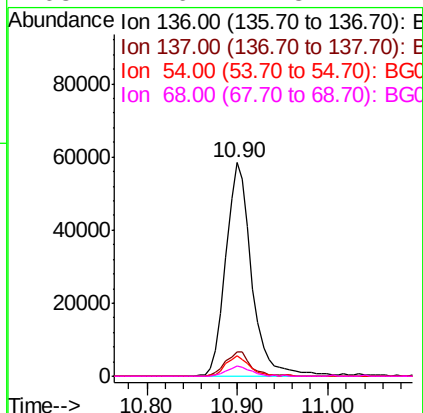
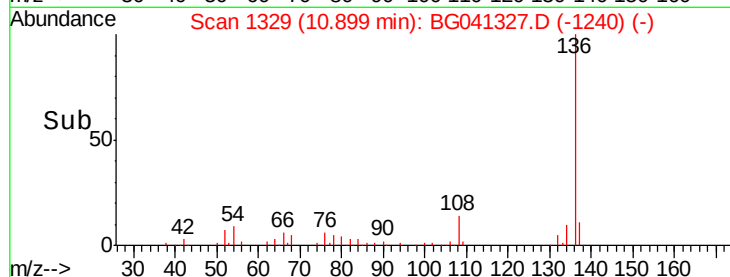
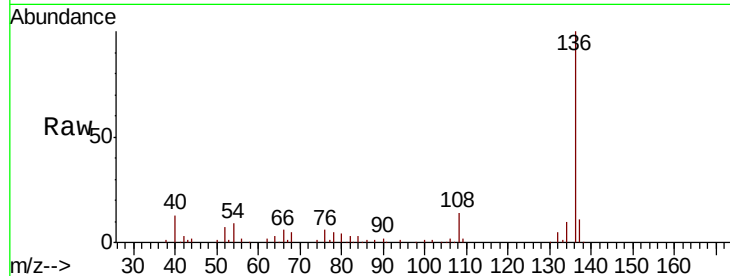




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BG041327.D
Acq: 19 Jun 2019 14:26

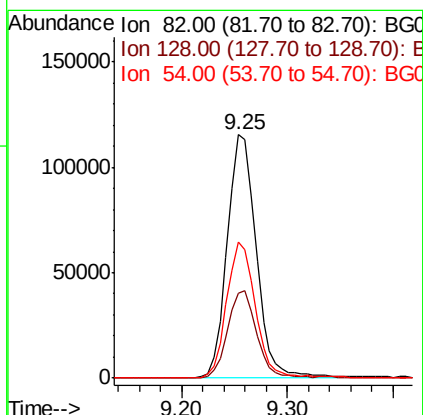
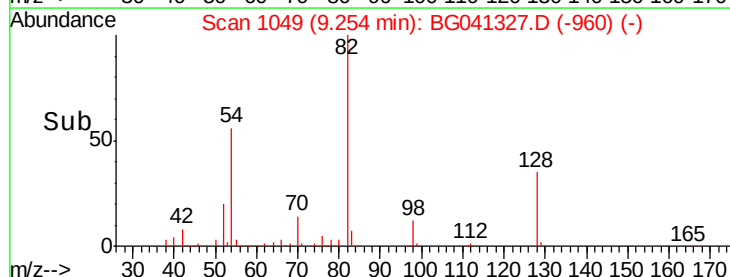
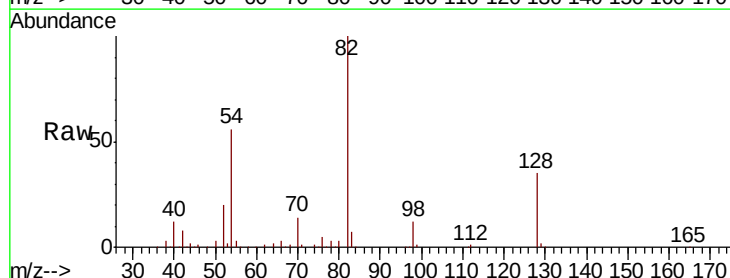
Instrument :
BNA_G
ClientSampleId :

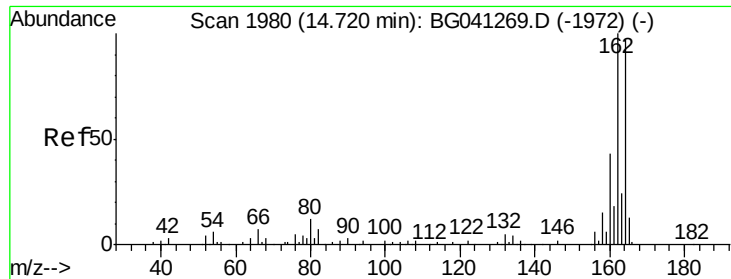
Tot Ion:	136	Resp:	115558
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	9.4	6.4	9.6
68	4.6	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 80.014 ng
RT: 9.25 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BG041327.D
Acq: 19 Jun 2019 14:26

Tgt Ion:	82	Resp:	219854
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.2	43.8
54	56.1	43.4	65.0

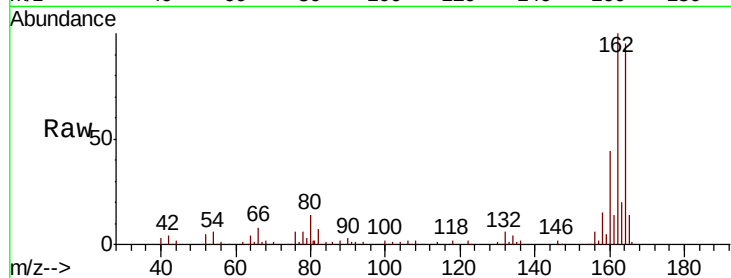




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.01 min
Lab File: BG041327.D
Acq: 19 Jun 2019 14:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.8	124.2
160	46.1	35.8	53.8

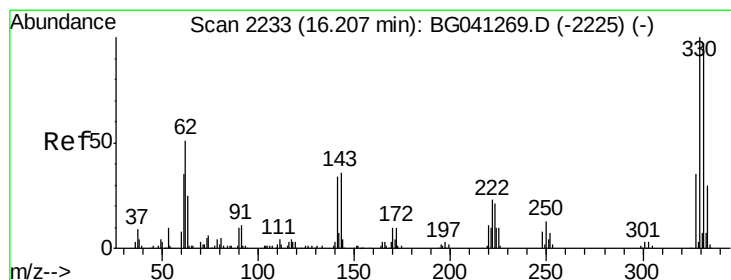
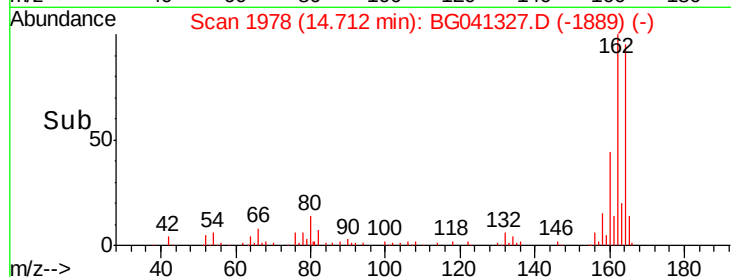
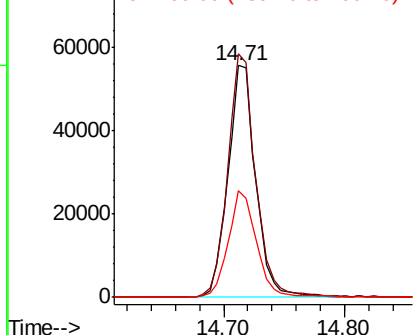


Abundance

Ion 164.00 (163.70 to 164.70): E

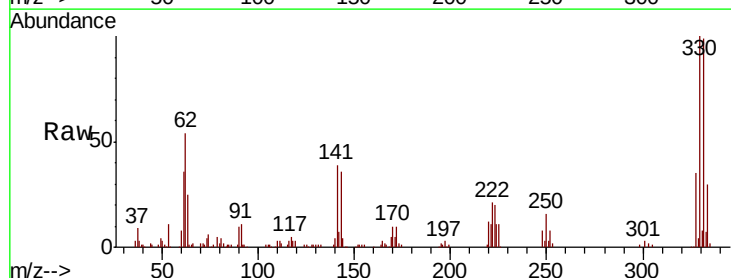
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 78.333 ng
RT: 16.20 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BG041327.D
Acq: 19 Jun 2019 14:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.5	113.3
141	36.6	29.0	43.4

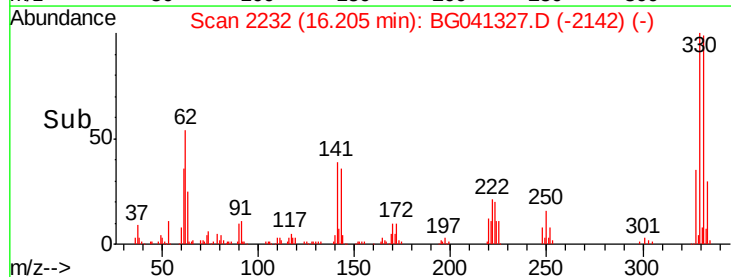
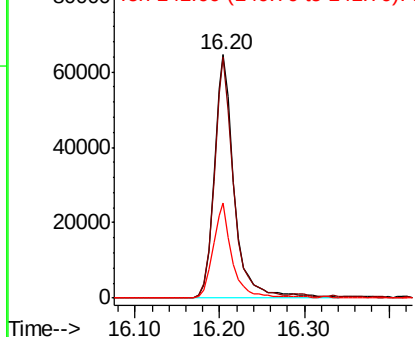


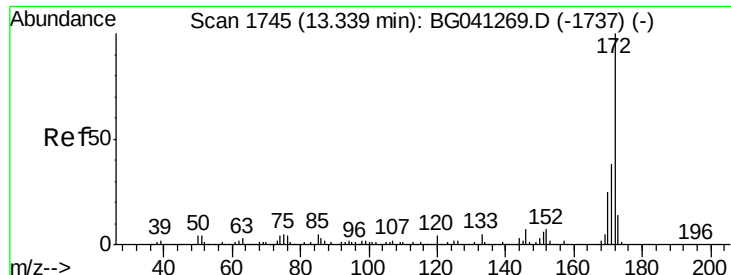
Abundance

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

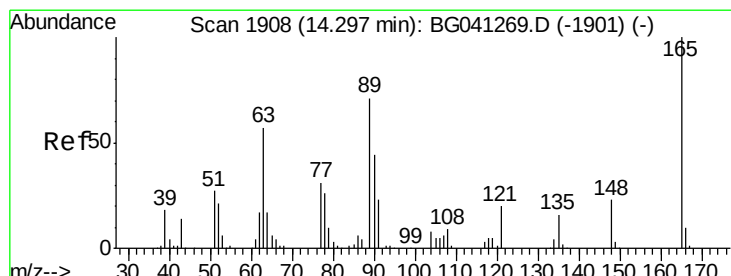
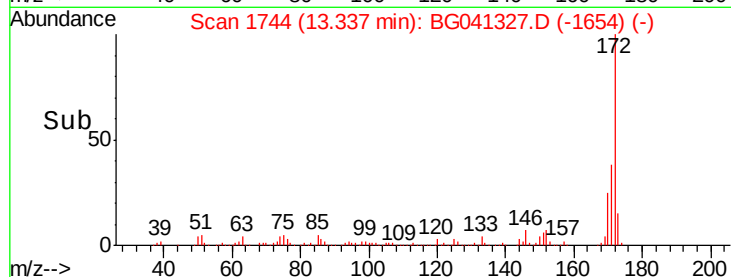
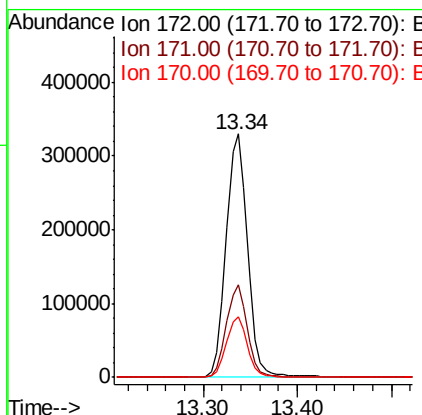
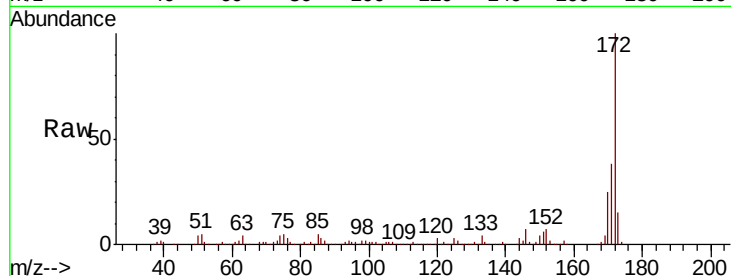




#45
 2-Fluorobiphenyl
 Concen: 80.151 ng
 RT: 13.34 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: BG041327.D
 Acq: 19 Jun 2019 14:26

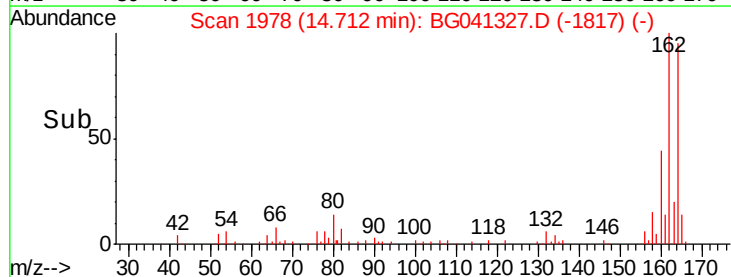
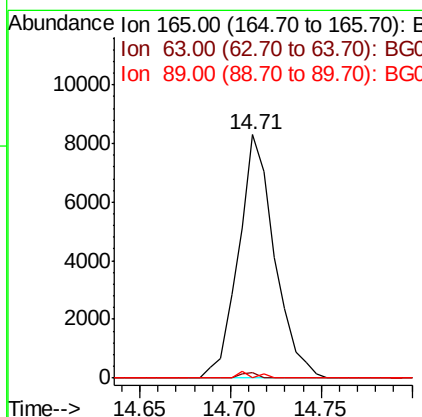
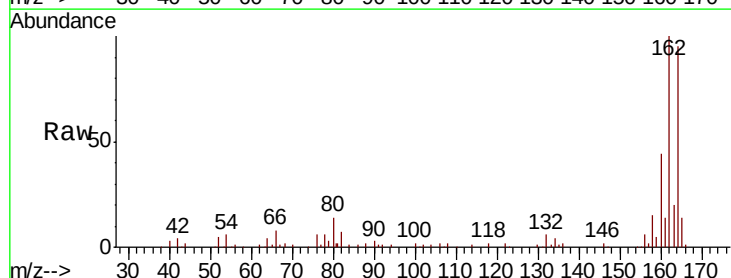
Instrument :
 BNA_G
 ClientSampled :

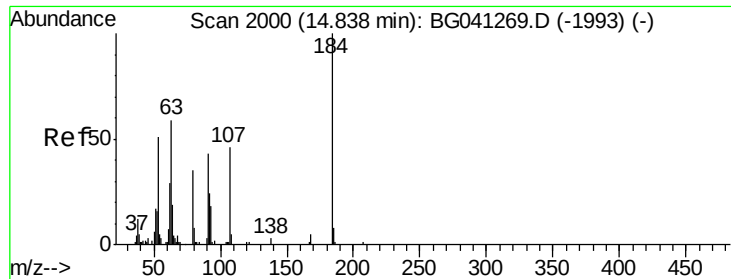
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	24.7	19.8	29.6



#51
 2,6-Dinitrotoluene
 Concen: 6.837 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. 0.42 min
 Lab File: BG041327.D
 Acq: 19 Jun 2019 14:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	55.4	83.0#
89	0.0	56.5	84.7#

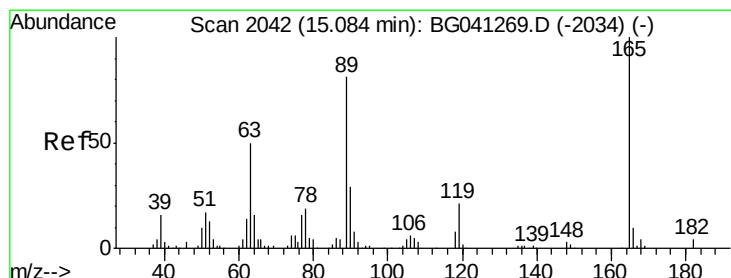
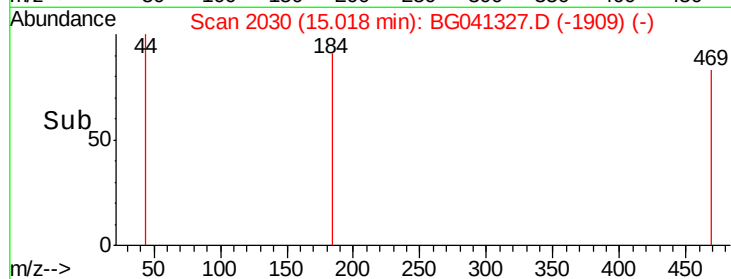
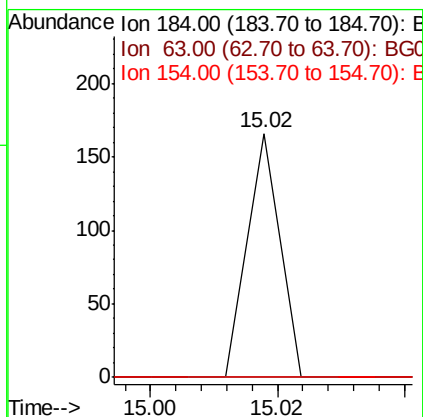
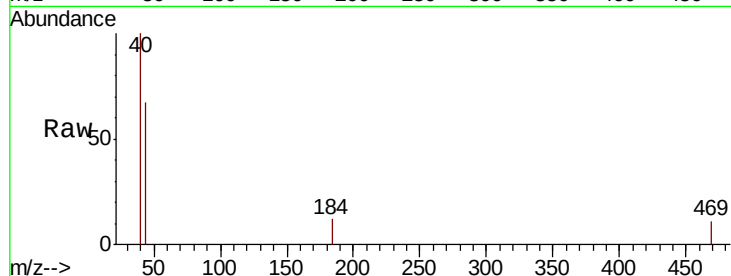




#54
2,4-Dinitrophenol
Concen: 4.892 ng
RT: 15.02 min Scan# 2030
Delta R.T. 0.18 min
Lab File: BG041327.D
Acq: 19 Jun 2019 14:26

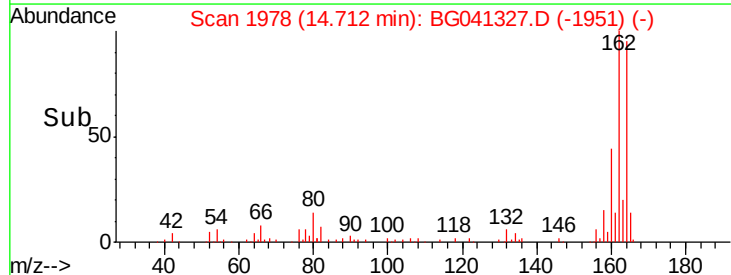
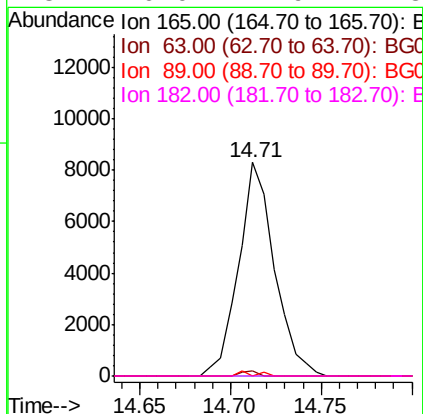
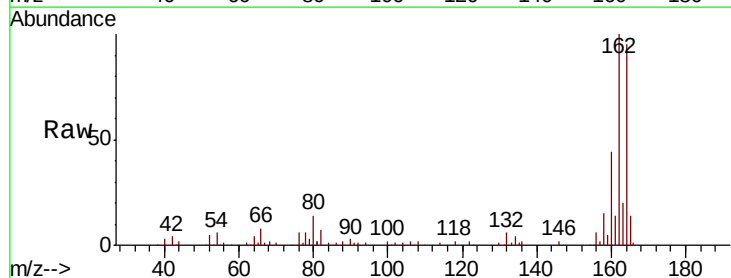
Instrument :
BNA_G
ClientSampleId :

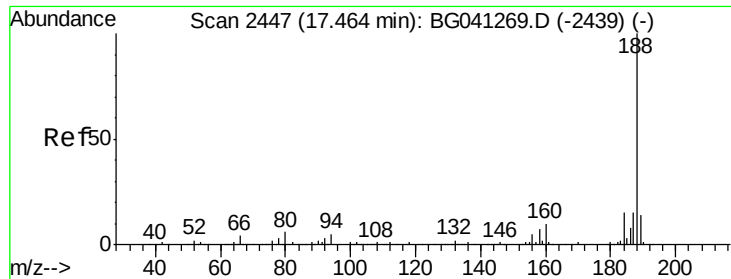
Tot Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 60.0 90.0#
154 0.0 58.3 87.5#



#57
2,4-Dinitrotoluene
Concen: 4.677 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.37 min
Lab File: BG041327.D
Acq: 19 Jun 2019 14:26

Tgt Ion:165 Resp: 11411
Ion Ratio Lower Upper
165 100
63 2.2 40.0 60.0#
89 0.0 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: BG041327.D

Acq: 19 Jun 2019 14:26

Instrument :

BNA_G

ClientSampleId :

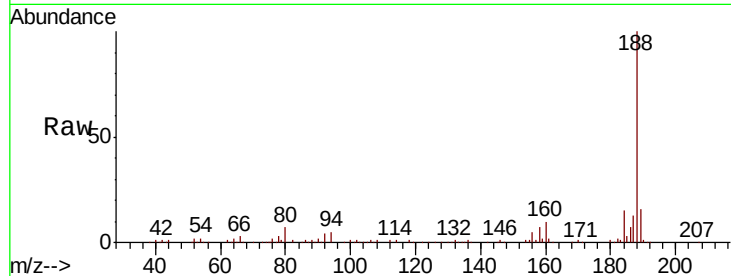
Tot Ion:188 Resp: 231299

Ion Ratio Lower Upper

188 100

94 5.4 3.6 5.4

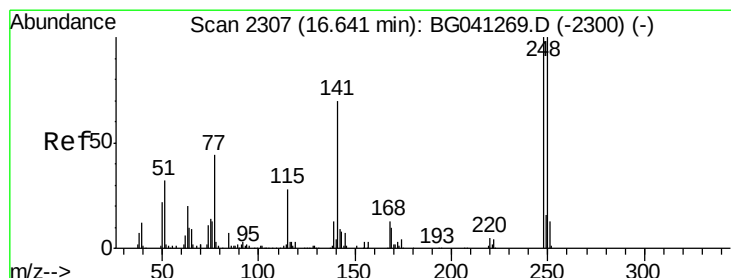
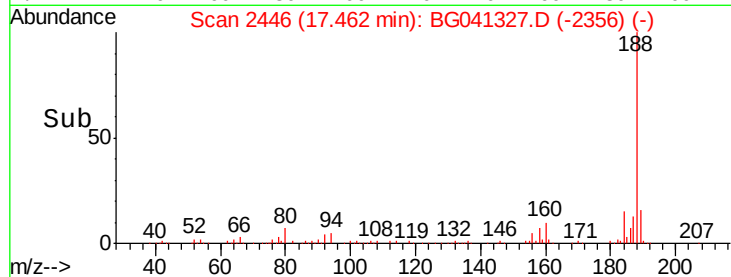
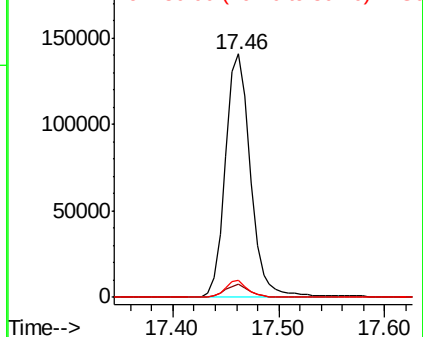
80 7.1 4.8 7.2



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: 2.750 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.44 min

Lab File: BG041327.D

Acq: 19 Jun 2019 14:26

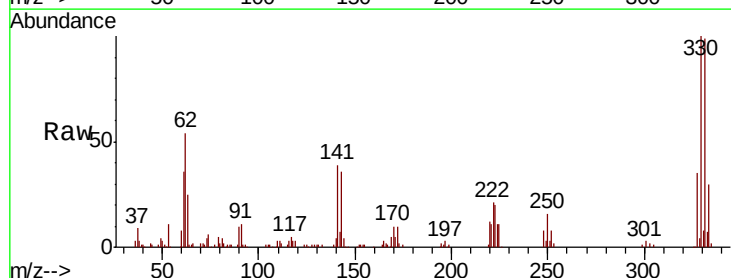
Tgt Ion:248 Resp: 8225

Ion Ratio Lower Upper

248 100

250 192.6 79.8 119.8#

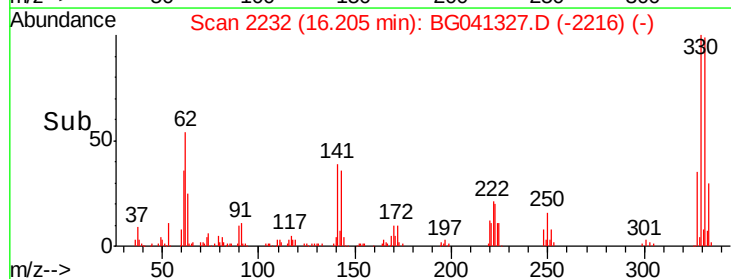
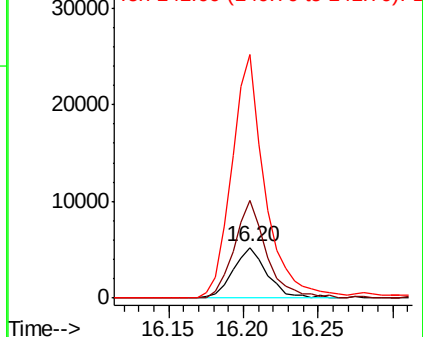
141 481.5 55.8 83.6#

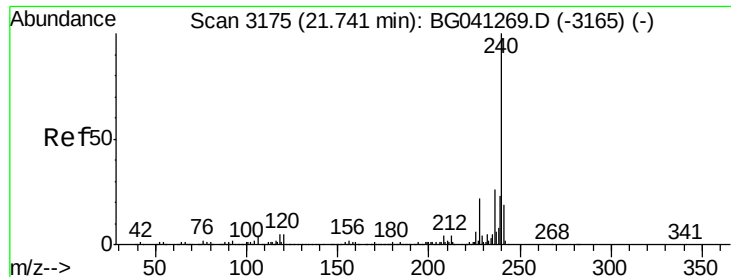


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG041327.D

Acq: 19 Jun 2019 14:26

Instrument :

BNA_G

ClientSampleId :

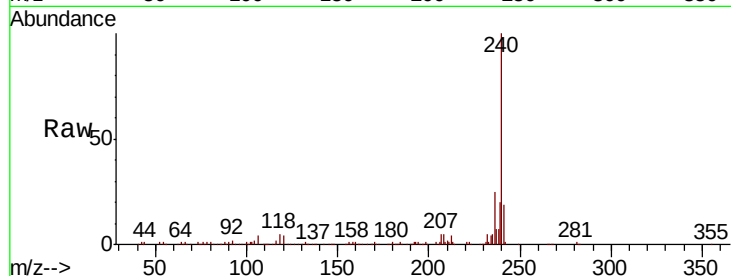
Tot Ion:240 Resp: 238018

Ion Ratio Lower Upper

240 100

120 4.4 3.7 5.5

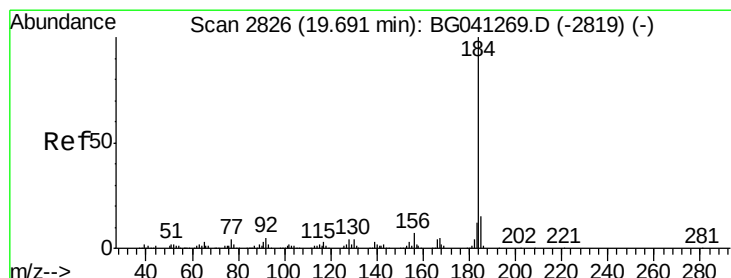
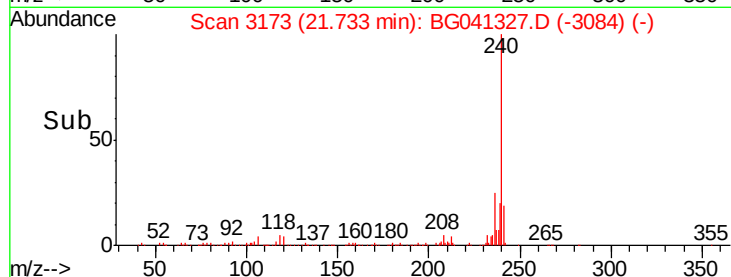
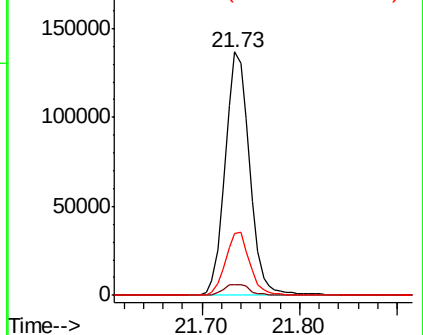
236 25.4 21.1 31.7



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: 2.735 ng

RT: 20.06 min Scan# 2888

Delta R.T. 0.37 min

Lab File: BG041327.D

Acq: 19 Jun 2019 14:26

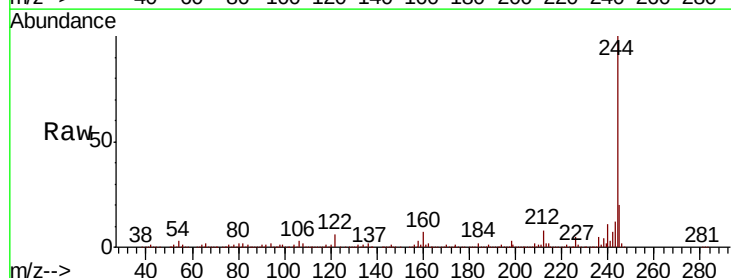
Tgt Ion:184 Resp: 15748

Ion Ratio Lower Upper

184 100

185 18.5 12.2 18.2#

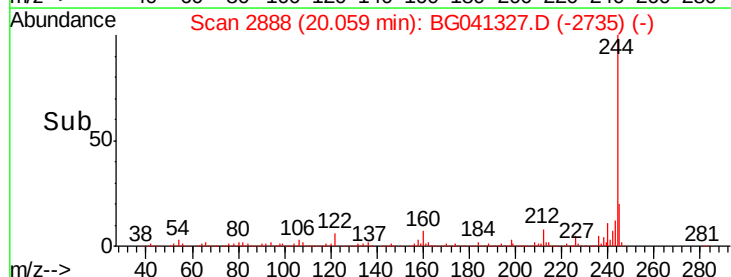
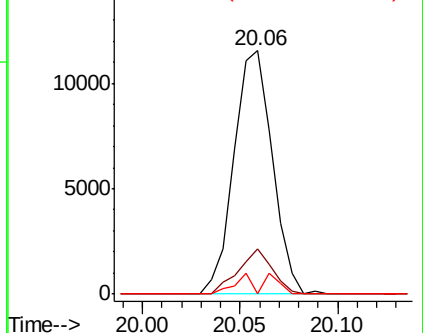
183 0.0 9.6 14.4#

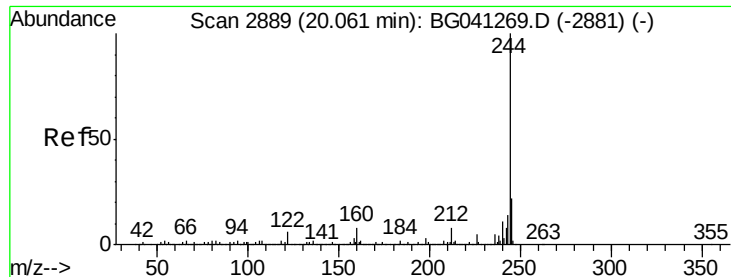


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 79.742 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041327.D

Acq: 19 Jun 2019 14:26

Instrument :

BNA_G

ClientSampled :

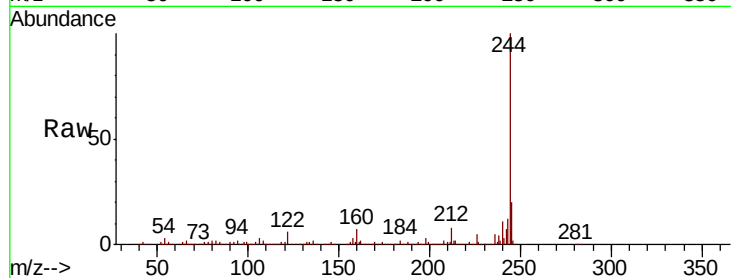
Tot Ion:244 Resp: 957725

Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

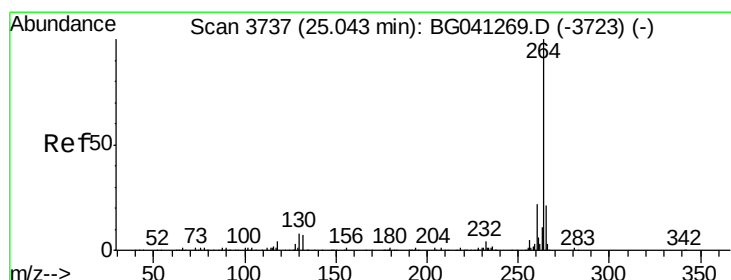
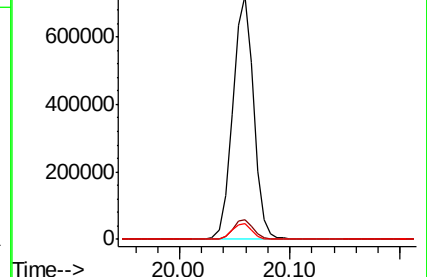
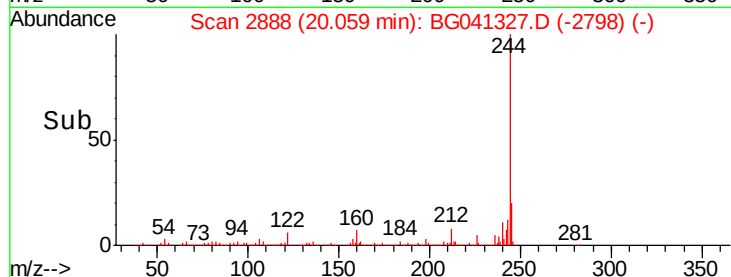
122 6.4 5.0 7.4



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: 25.04 min Scan# 3736

Delta R.T. -0.00 min

Lab File: BG041327.D

Acq: 19 Jun 2019 14:26

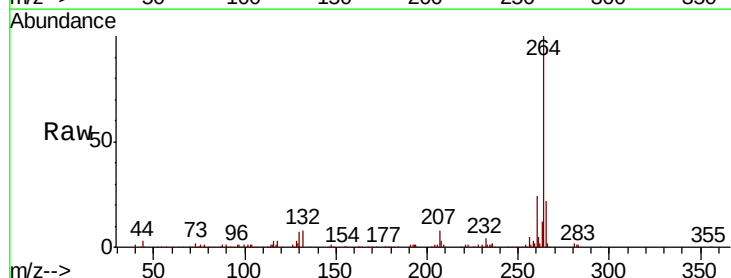
Tgt Ion:264 Resp: 243572

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.2

265 22.3 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

