

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042919\
 Data File : BG040658.D
 Acq On : 29 Apr 2019 12:55
 Operator : JU/SJ
 Sample : PB119139BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 01:46:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

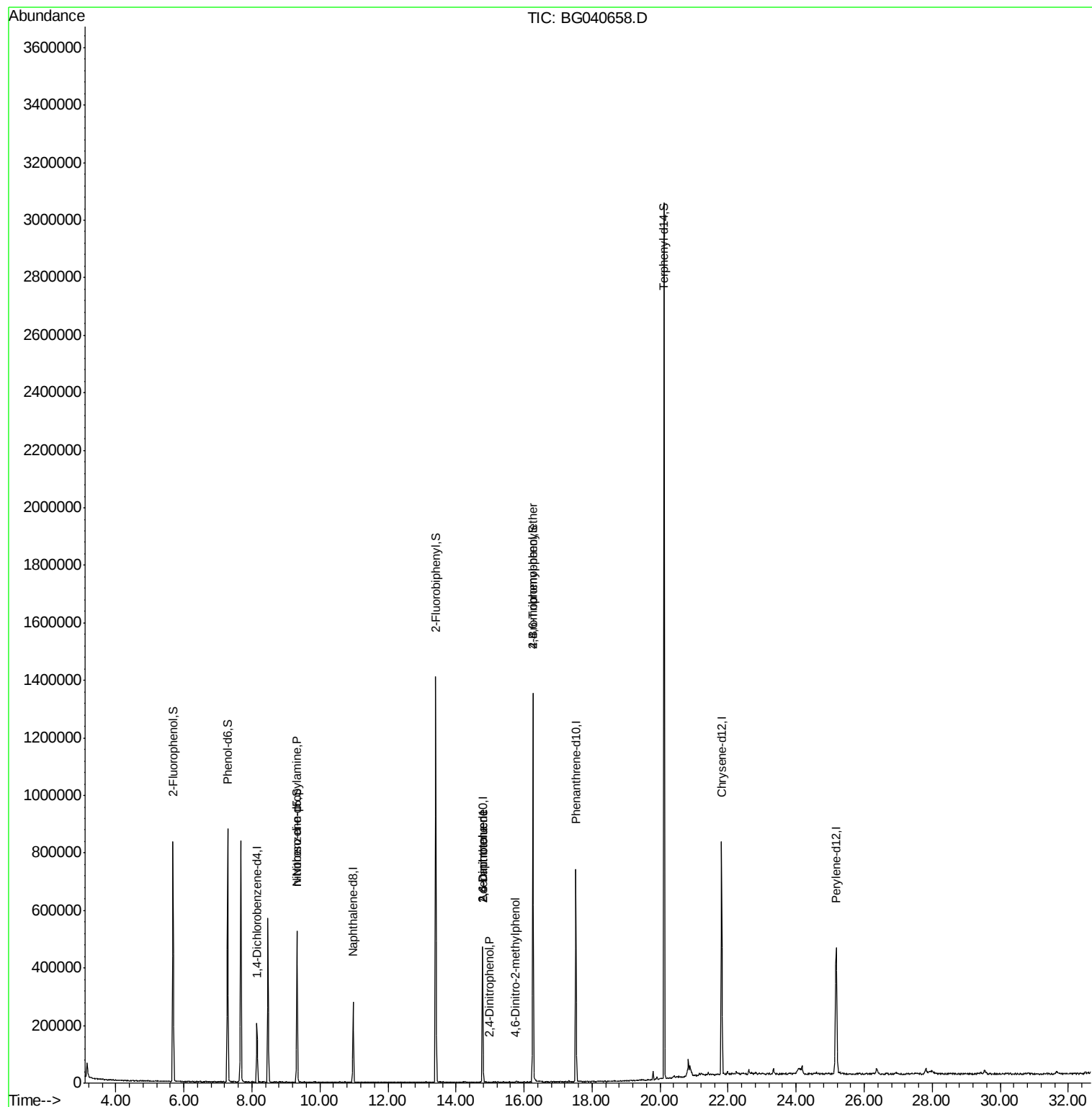
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	49508	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	204884	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	156705	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	437315	20.00	ng	0.00
76) Chrysene-d12	21.81	240	493484	20.00	ng	-0.02
87) Perylene-d12	25.18	264	478861	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	296853	105.70	ng	0.00
7) Phenol-d6	7.29	99	433115	100.16	ng	0.00
23) Nitrobenzene-d5	9.33	82	304111	68.58	ng	0.00
42) 2,4,6-Tribromophenol	16.26	330	229983	106.77	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	671197	61.86	ng	0.00
79) Terphenyl-d14	20.12	244	1400126	62.86	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.29	77	991	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.32	70	45078	11.580 ng	#	6
51) 2,6-Dinitrotoluene	14.78	165	20220	7.902 ng	#	15
54) 2,4-Dinitrophenol	14.99	184	59	7.052 ng	#	21
57) 2,4-Dinitrotoluene	14.78	165	20220	5.815 ng	#	17
65) 4,6-Dinitro-2-methylphenol	15.73	198	58	7.124 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	16428	3.015 ng	#	1

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

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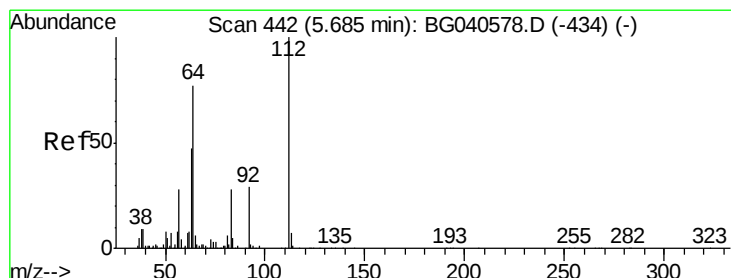
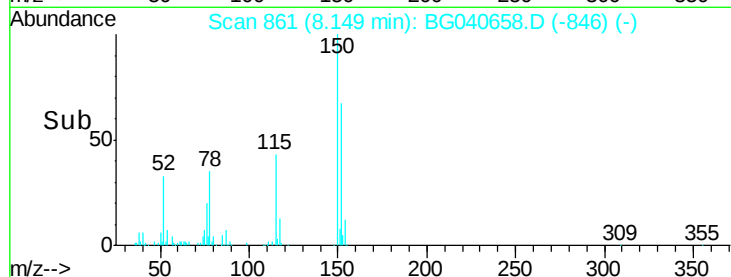
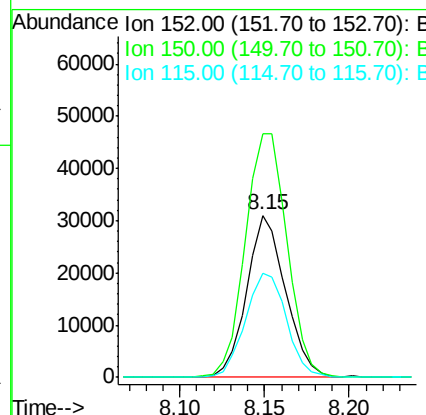
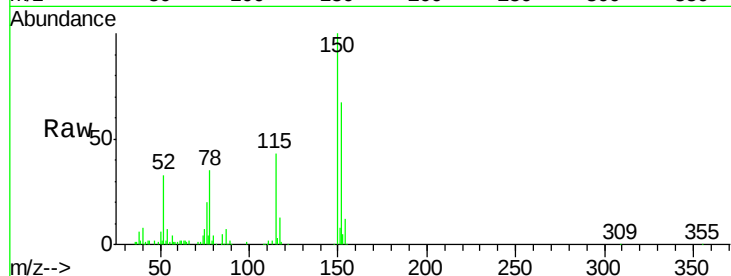


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

Instrument :
BNA_G
ClientSampleId :

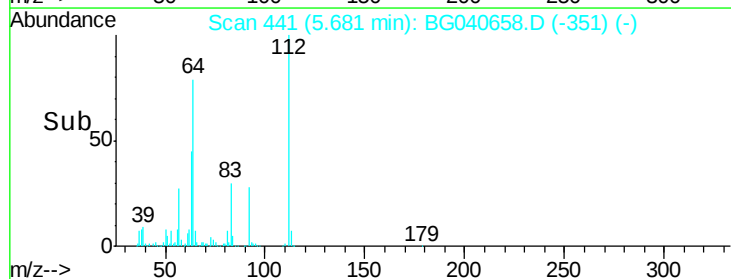
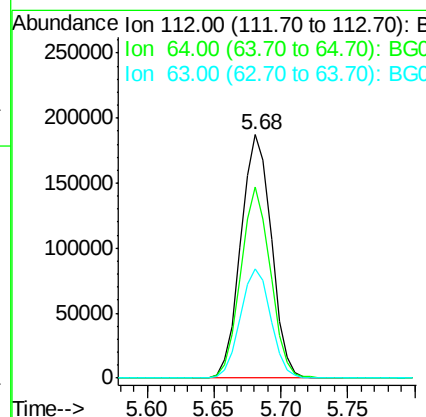
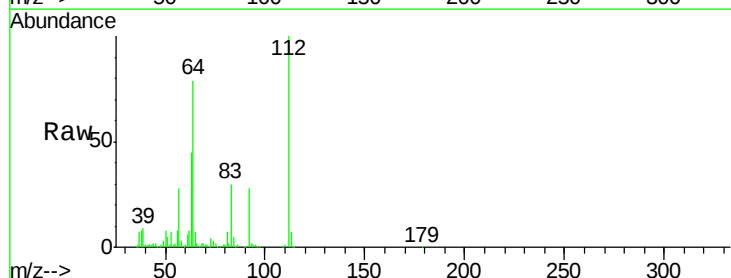
Tot Ion	152	Resp	49508
Ion	Ratio	Lower	Upper
152	100		
150	150.3	120.2	180.2
115	64.0	46.2	69.2

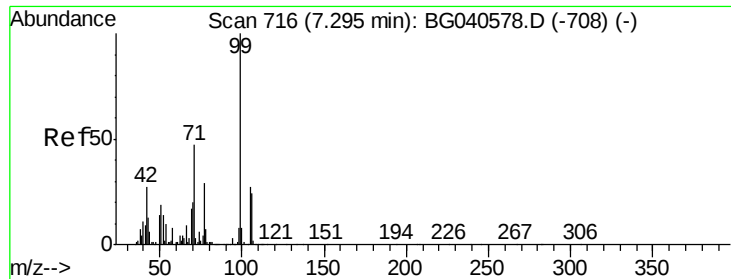


#5

2-Fluorophenol
Concen: 105.696 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

Tgt Ion	112	Resp	296853
Ion	Ratio	Lower	Upper
112	100		
64	78.7	61.4	92.0
63	44.9	37.8	56.6





#7

Phenol-d6

Concen: 100.157 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040658.D

Acq: 29 Apr 2019 12:55

Instrument :

BNA_G

ClientSampleId :

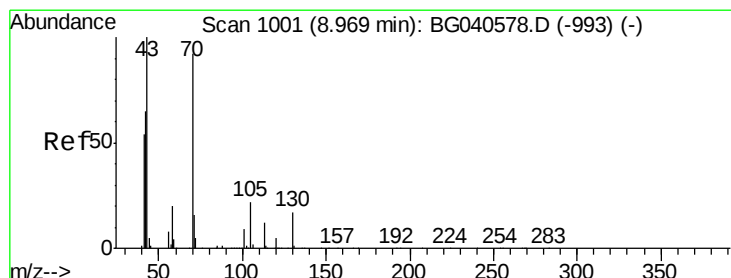
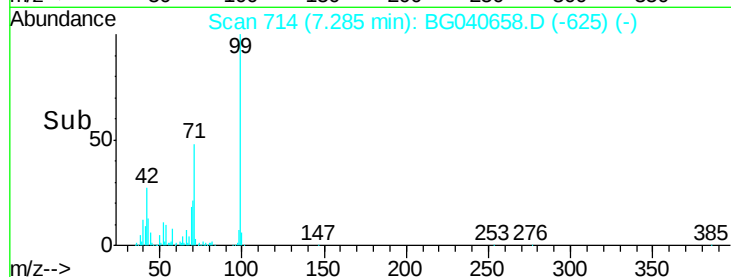
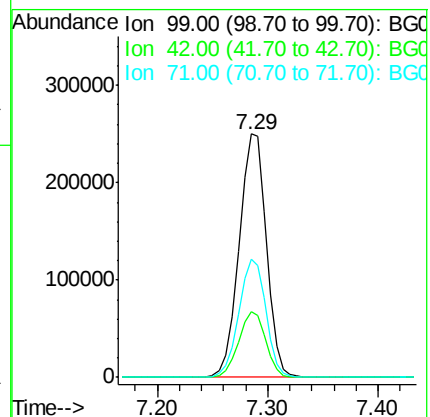
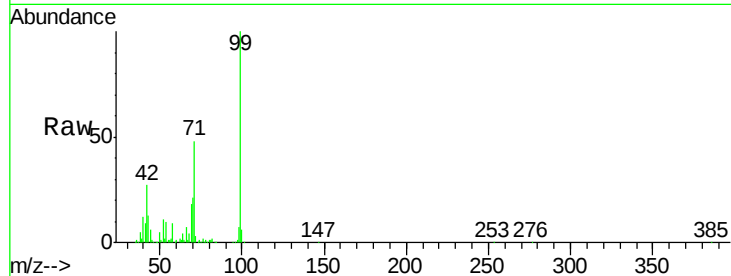
Tot Ion: 99 Resp: 433115

Ion Ratio Lower Upper

99 100

42 27.1 21.8 32.8

71 48.4 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.580 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040658.D

Acq: 29 Apr 2019 12:55

Tgt Ion: 70 Resp: 45078

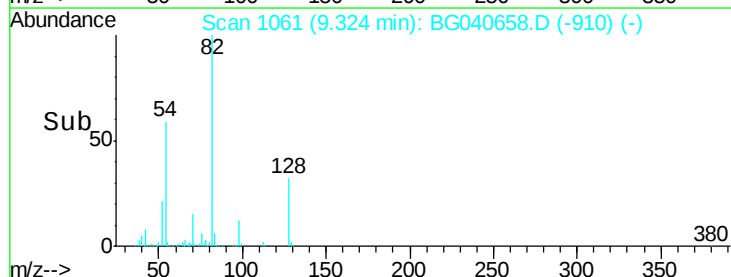
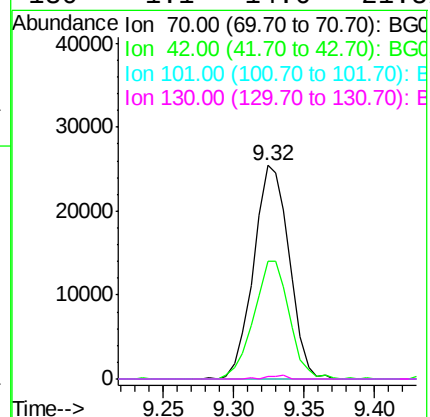
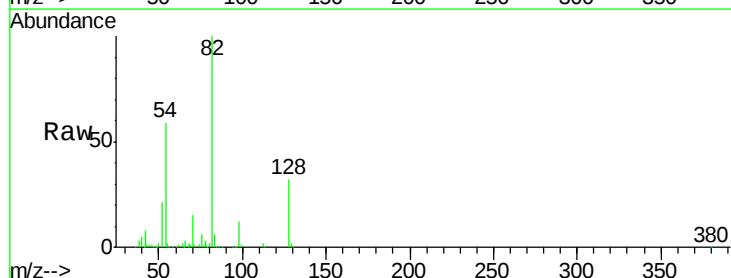
Ion Ratio Lower Upper

70 100

42 55.0 57.1 85.7#

101 0.0 7.8 11.8#

130 1.1 14.6 21.8#

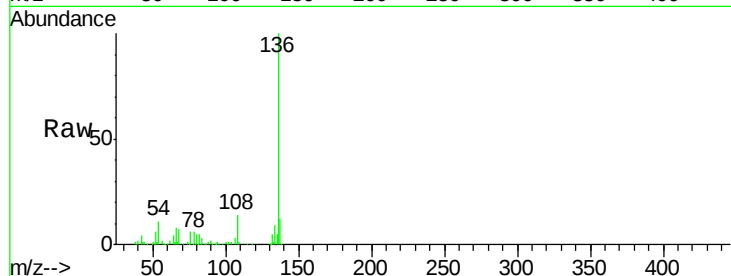




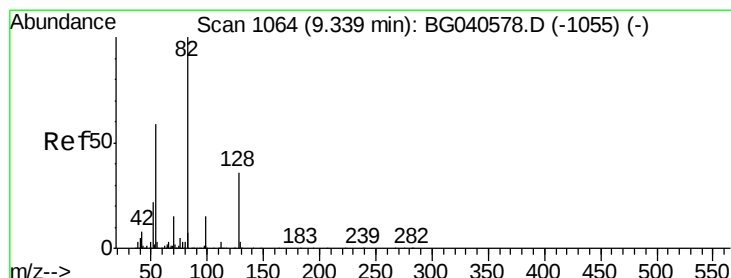
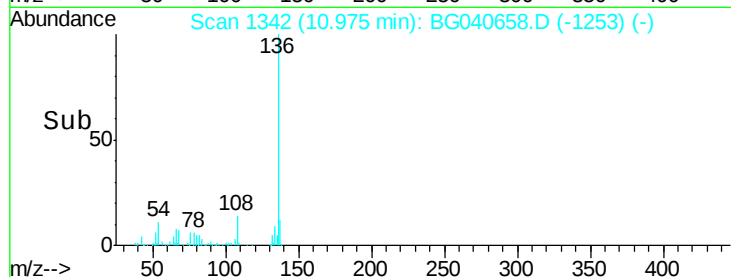
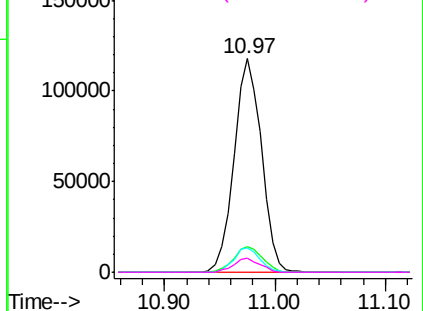
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	204884	
Ion Ratio	Lower	Upper	
136 100			
137 12.3	9.7	14.5	
54 11.4	8.6	12.8	
68 6.7	4.8	7.2	

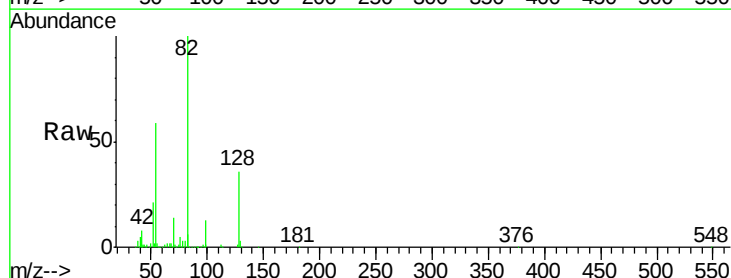


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

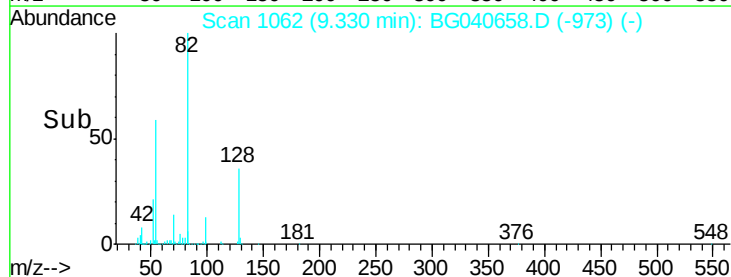
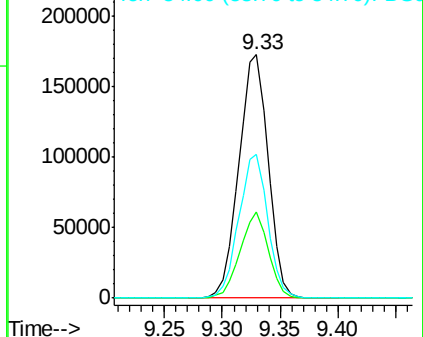


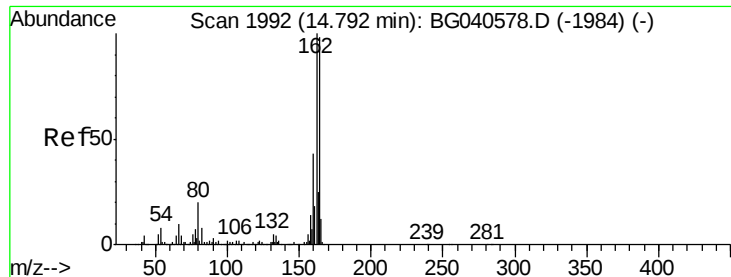
#23
Nitrobenzene-d5
Concen: 68.584 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

Tgt Ion: 82	Resp: 304111
Ion Ratio	Lower Upper
82 100	
128 35.6	28.9 43.3
54 59.0	47.2 70.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040658.D

Acq: 29 Apr 2019 12:55

Instrument :

BNA_G

ClientSampleId :

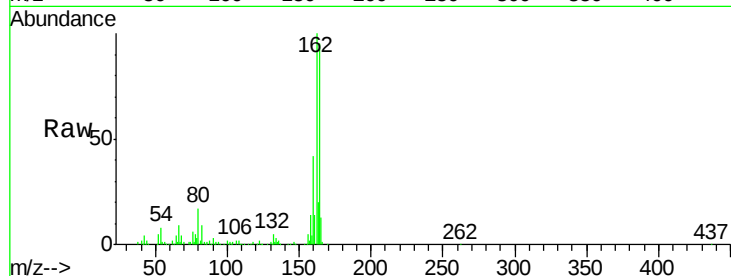
Tot Ion:164 Resp: 156705

Ion Ratio Lower Upper

164 100

162 105.3 81.9 122.9

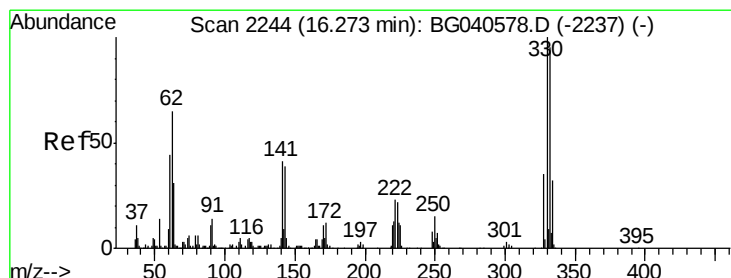
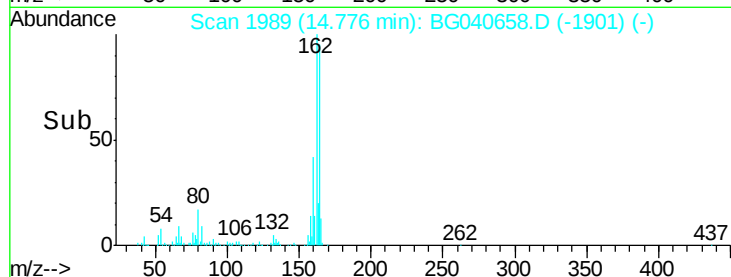
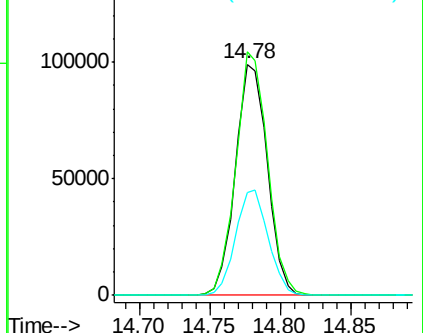
160 44.2 35.4 53.2



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: 106.773 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040658.D

Acq: 29 Apr 2019 12:55

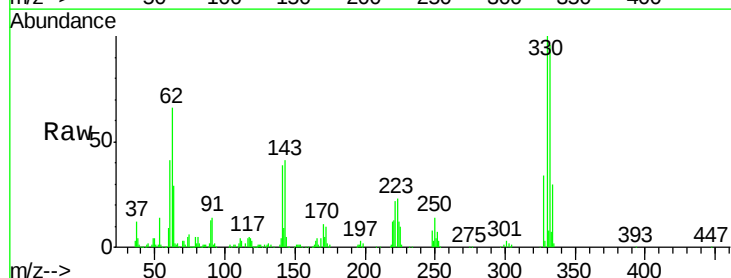
Tgt Ion:330 Resp: 229983

Ion Ratio Lower Upper

330 100

332 96.5 75.9 113.9

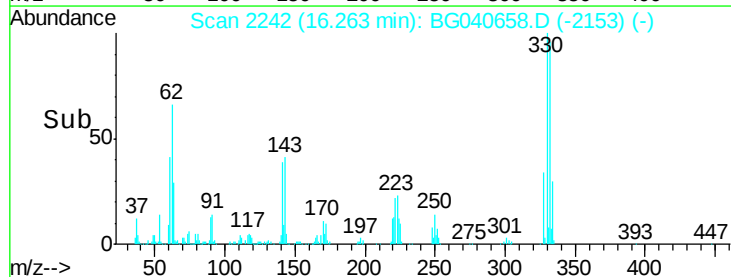
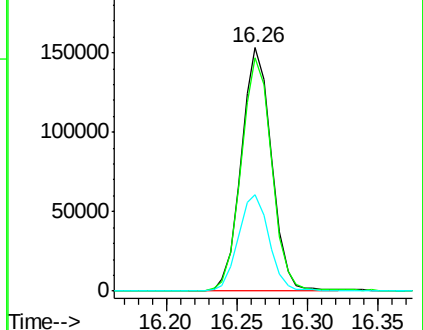
141 40.7 32.4 48.6



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

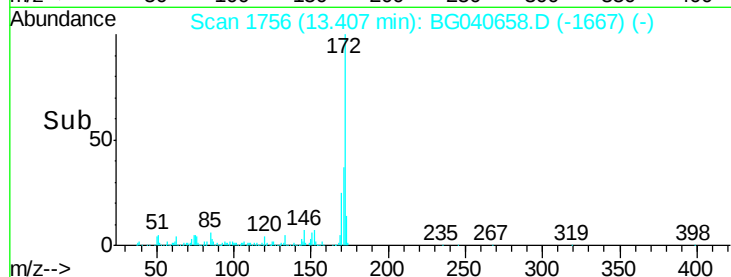
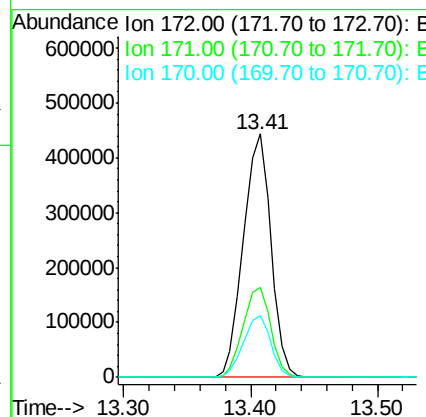
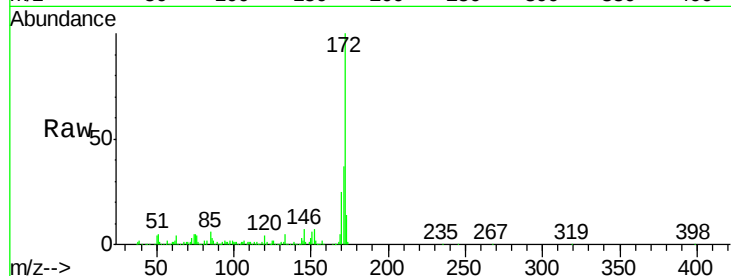




#45
2-Fluorobiphenyl
Concen: 61.858 ng
RT: 13.41 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

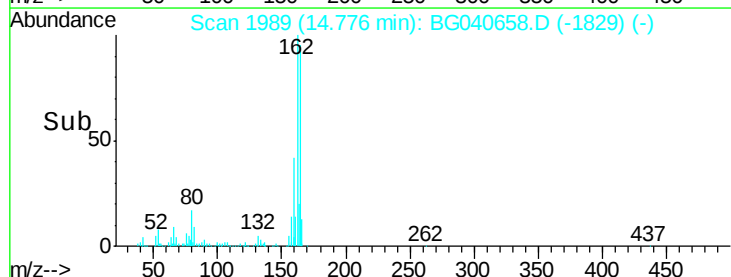
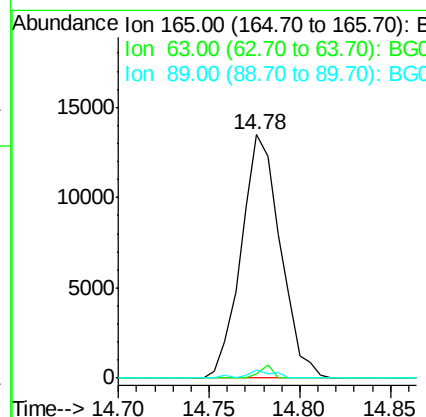
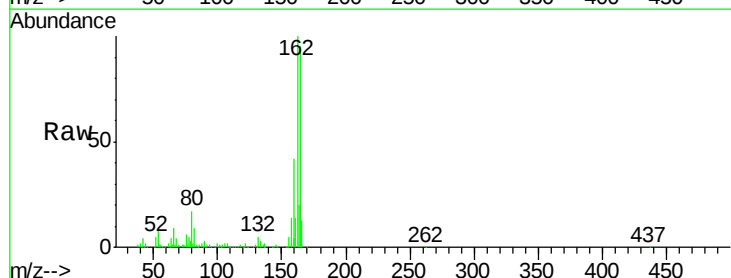
Instrument :
BNA_G
ClientSampleId :

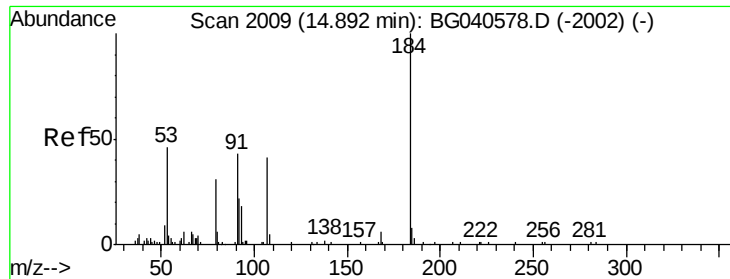
Tot Ion	Ion	Ratio	Lower	Upper
172	172	100		
171	171	36.8	29.4	44.2
170	170	25.2	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 7.902 ng
RT: 14.78 min Scan# 1989
Delta R.T. 0.41 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

Tgt Ion	Ion	Ratio	Lower	Upper
165	165	100		
63	63	1.7	61.0	91.4#
89	89	3.4	58.6	87.8#

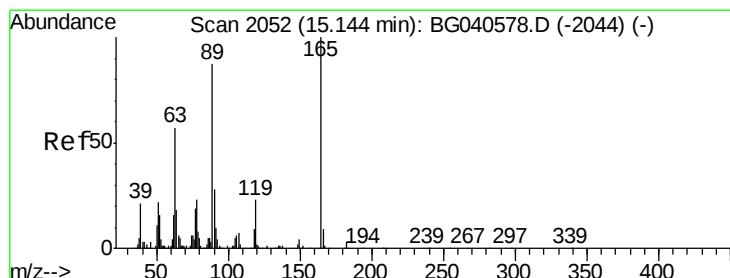
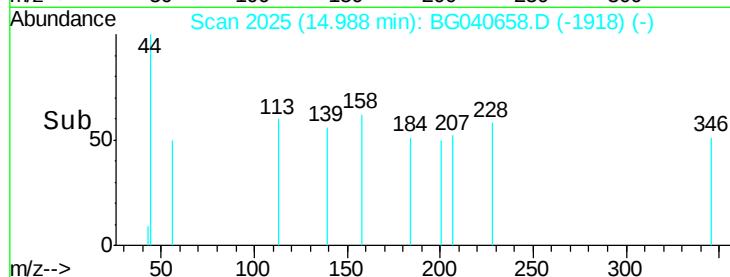
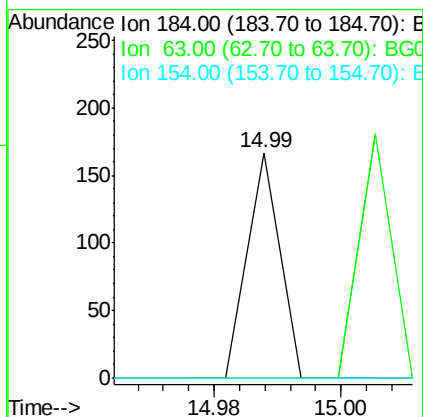
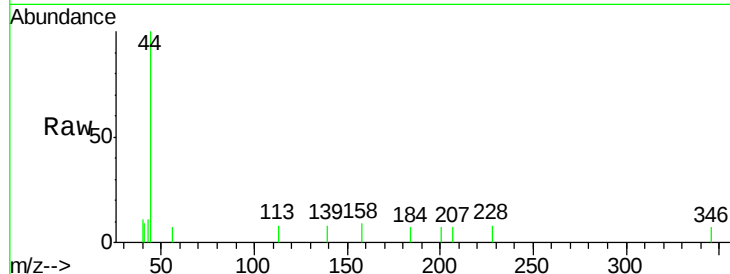




#54
2,4-Dinitrophenol
Concen: 7.052 ng
RT: 14.99 min Scan# 2025
Delta R.T. 0.10 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

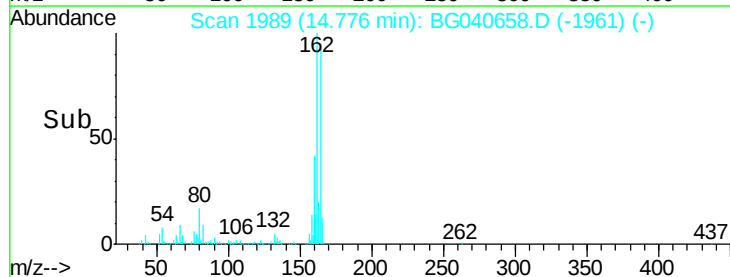
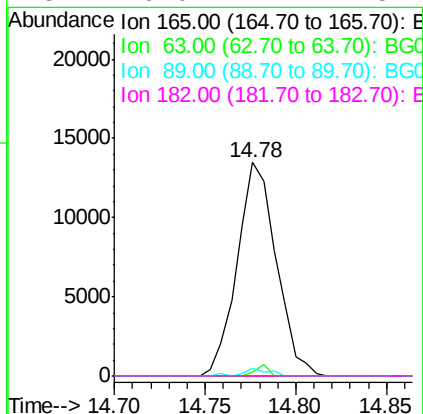
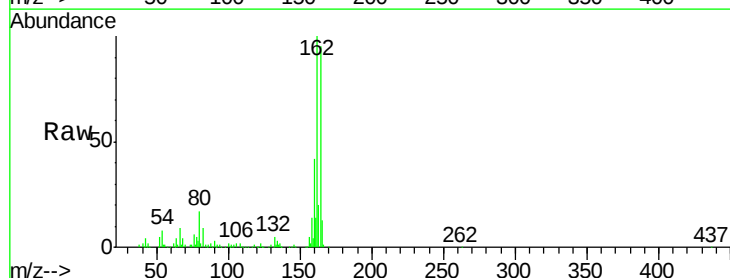
Instrument :
BNA_G
ClientSampleId :

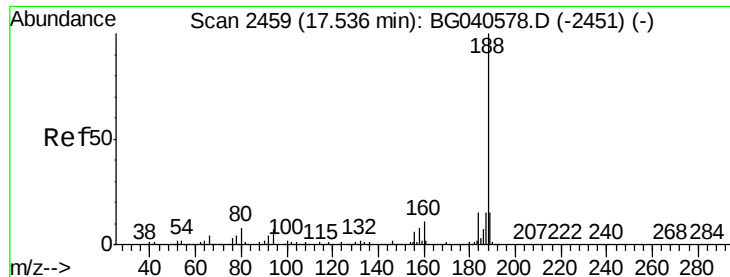
Tot Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.815 ng
RT: 14.78 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

Tgt Ion:165 Resp: 20220
Ion Ratio Lower Upper
165 100
63 1.7 45.8 68.8#
89 3.4 69.4 104.2#
182 0.0 2.2 3.4#

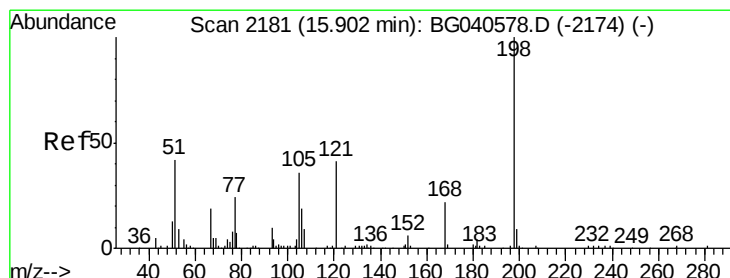
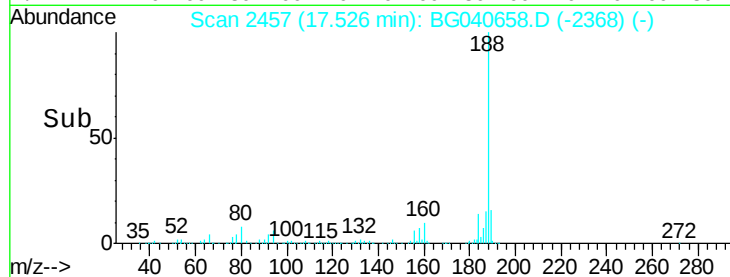
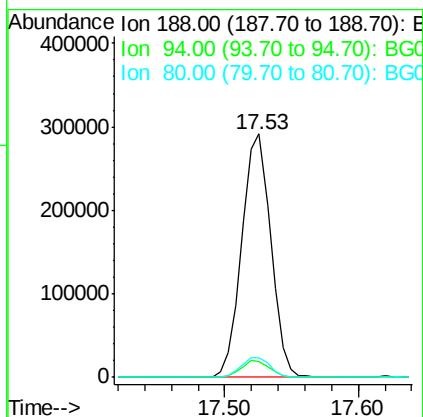
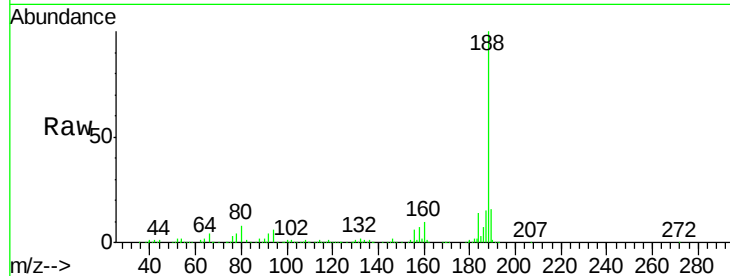




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

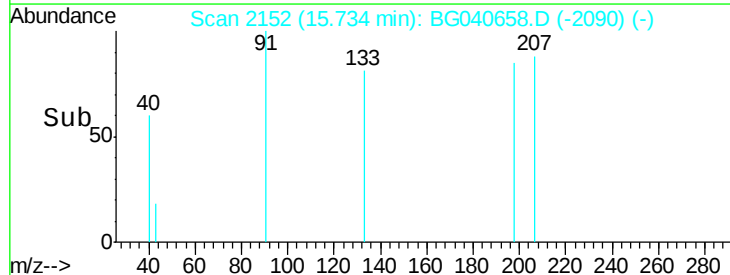
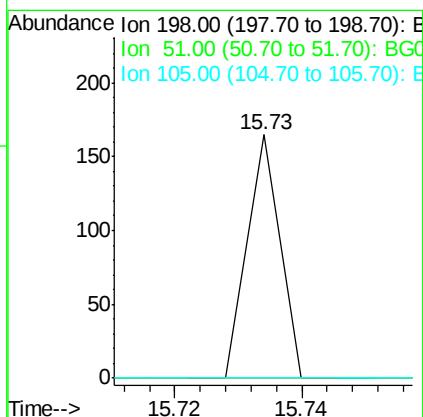
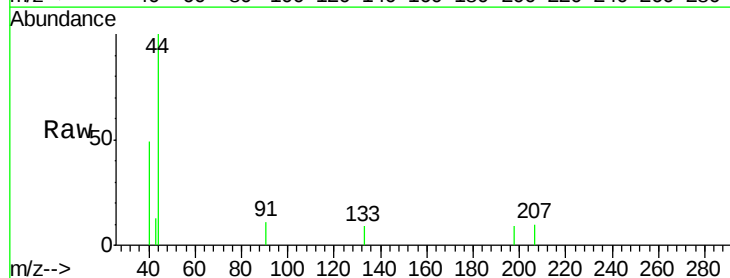
Instrument :
BNA_G
ClientSampleId :

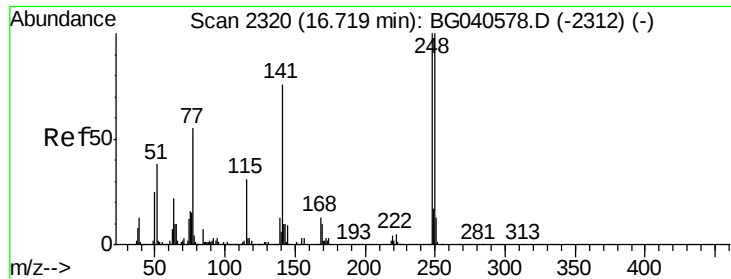
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.6	8.4
80	8.0	6.4	9.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.124 ng
RT: 15.73 min Scan# 2152
Delta R.T. -0.17 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	35.9	75.9#
105	0.0	21.2	61.2#

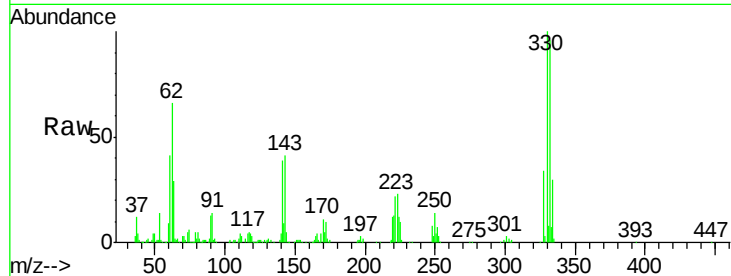




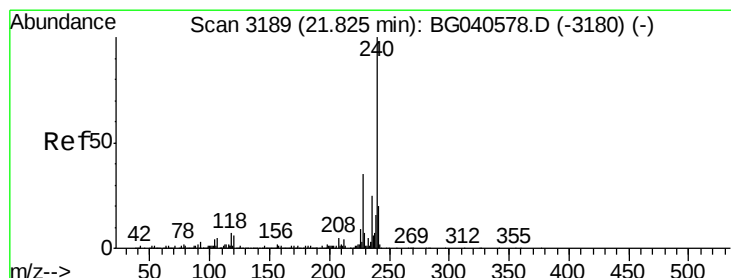
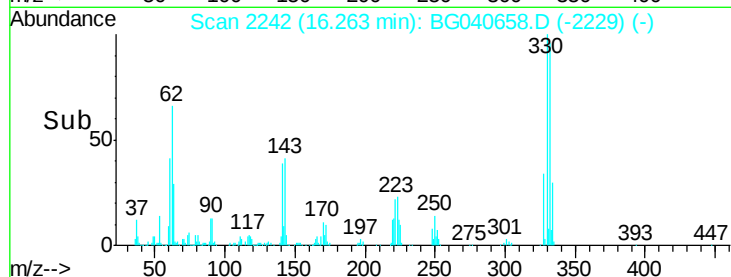
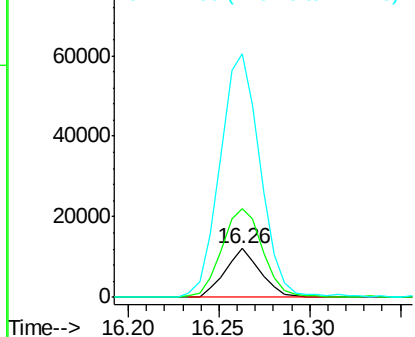
#67
4-Bromophenyl-phenylether
Concen: 3.015 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16428
Ion Ratio Lower Upper
248 100
250 182.9 79.8 119.6#
141 499.3 60.8 91.2#

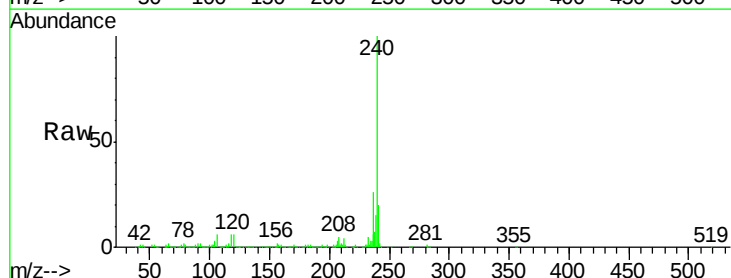


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

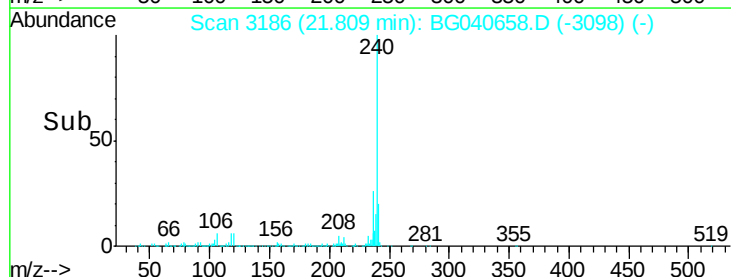
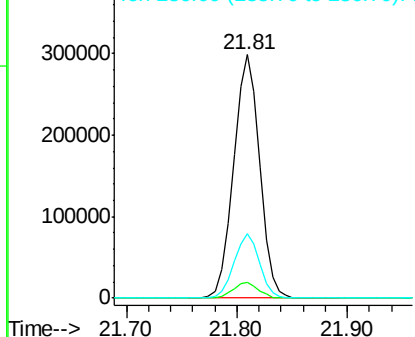


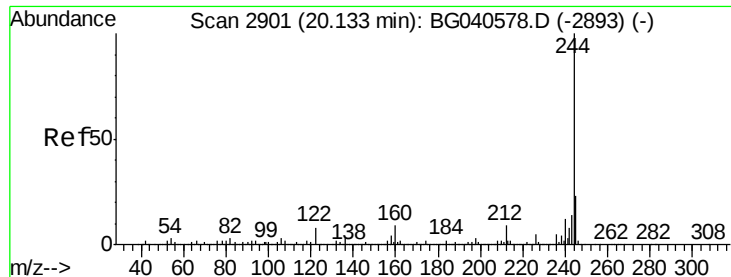
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3186
Delta R.T. -0.02 min
Lab File: BG040658.D
Acq: 29 Apr 2019 12:55

Tgt Ion:240 Resp: 493484
Ion Ratio Lower Upper
240 100
120 6.5 5.0 7.6
236 26.3 20.3 30.5



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





#79

Terphenyl-d14

Concen: 62.857 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040658.D

Acq: 29 Apr 2019 12:55

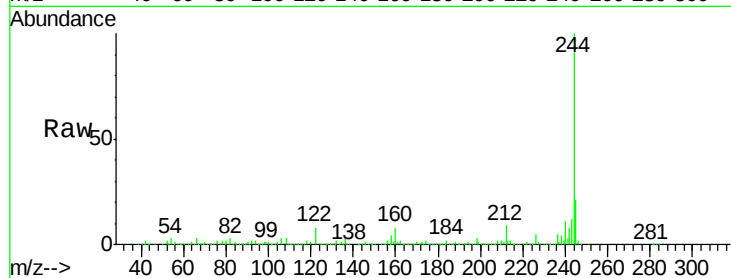
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1400126

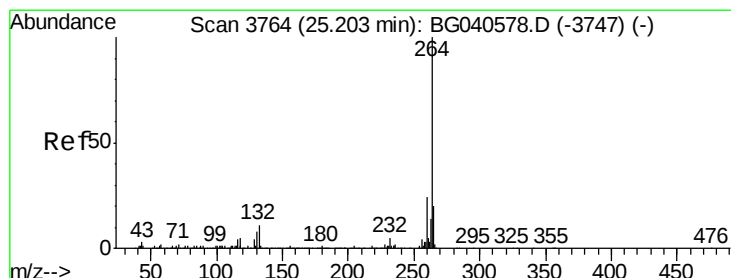
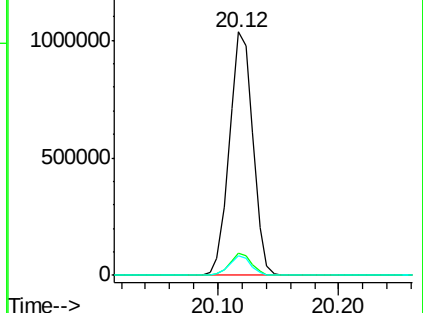
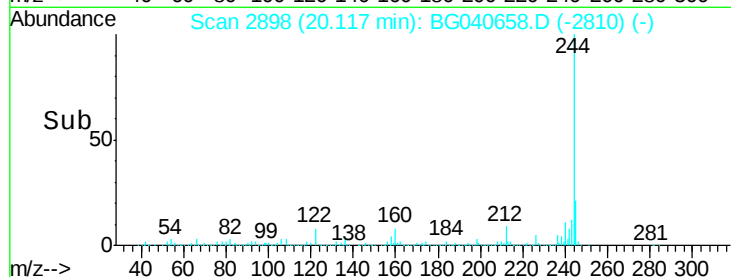
Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.2	10.8
122	8.0	6.6	10.0



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: 25.18 min Scan# 3759

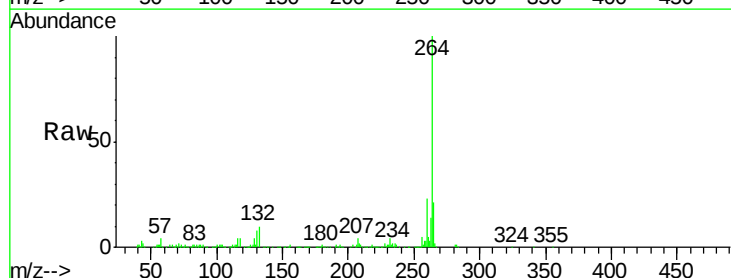
Delta R.T. -0.03 min

Lab File: BG040658.D

Acq: 29 Apr 2019 12:55

Tgt Ion:264 Resp: 478861

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.2	16.6	25.0



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

