

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040649.D
 Acq On : 27 Apr 2019 4:48
 Operator : JU/SJ
 Sample : K2554-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 135-20

Quant Time: Apr 29 01:05:02 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

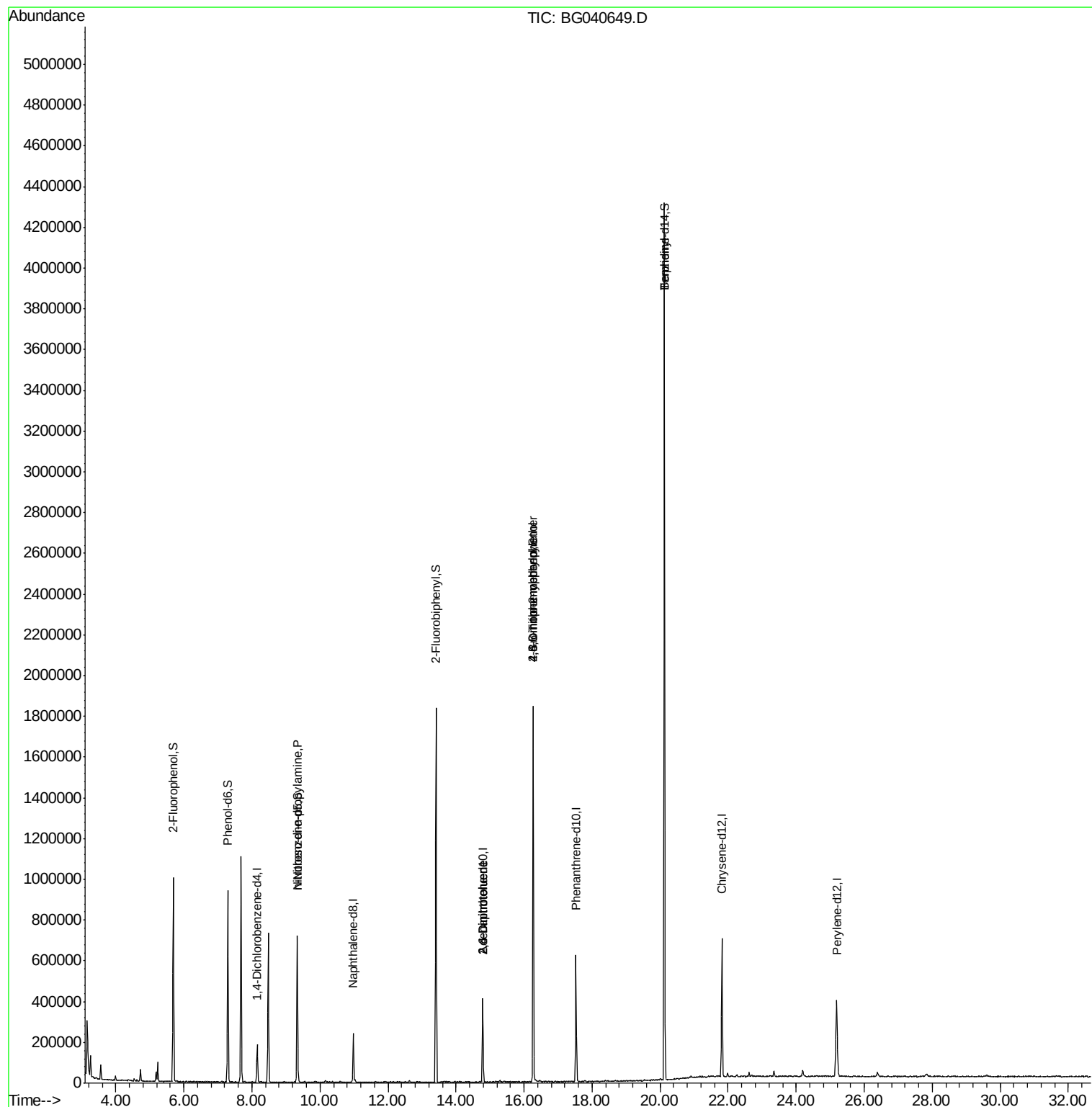
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	46004	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	186684	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	134473	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	370766	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	390479	20.00	ng	-0.01
87) Perylene-d12	25.19	264	408157	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	346110	132.62	ng	0.00
7) Phenol-d6	7.29	99	459409	114.33	ng	0.00
23) Nitrobenzene-d5	9.33	82	425413	105.29	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	310905	168.21	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	875670	94.04	ng	0.00
79) Terphenyl-d14	20.13	244	1856578	105.33	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	1597	Below Cal		Qvalue # 22
19) n-Nitroso-di-n-propylamine	9.33	70	62910	17.392	ng	# 71
51) 2,6-Dinitrotoluene	14.78	165	17876	8.141	ng	# 16
57) 2,4-Dinitrotoluene	14.78	165	17876	5.991	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.27	198	1000	7.568	ng	# 19
67) 4-Bromophenyl-phenylether	16.27	248	22921	4.962	ng	# 1
77) Benizidine	20.13	184	38336	3.586	ng	# 93

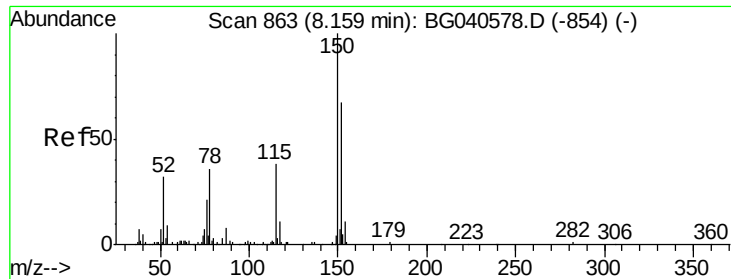
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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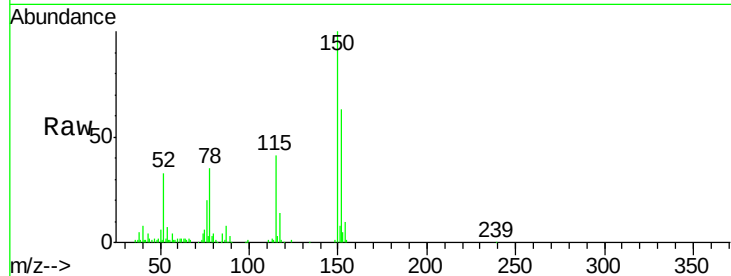


#1

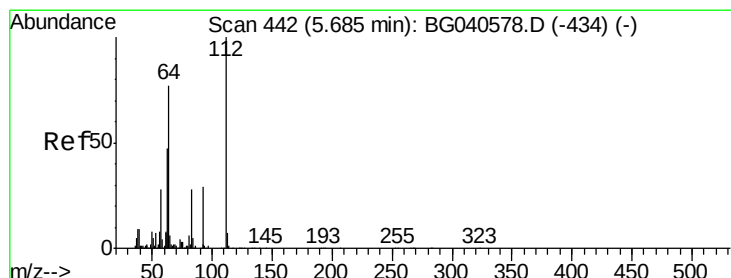
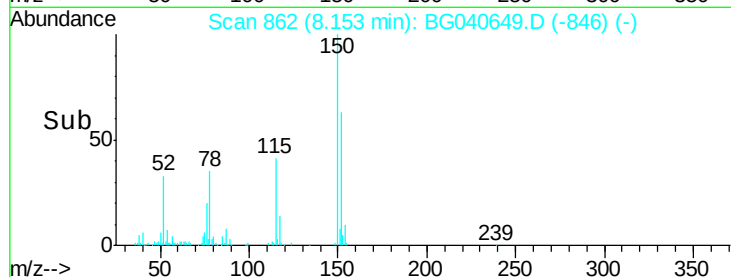
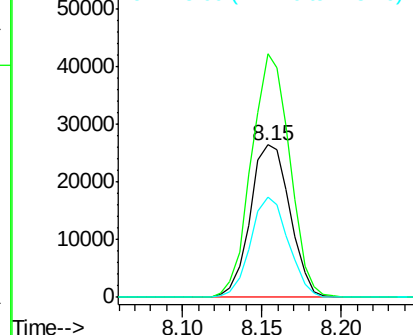
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.01 min
Lab File: BG040649.D
Acq: 27 Apr 2019 4:48

Instrument :
BNA_G
ClientSampleId :
135-20

Tot Ion:152 Resp: 46004
Ion Ratio Lower Upper
152 100
150 159.6 120.2 180.2
115 65.6 46.2 69.2



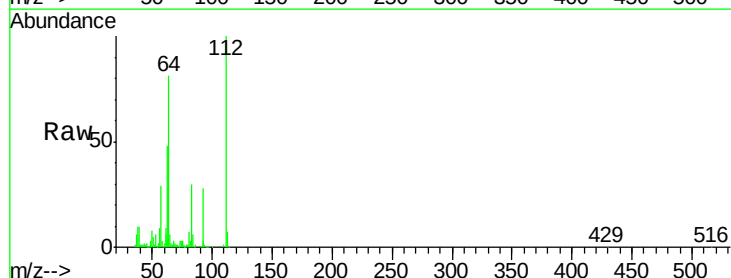
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



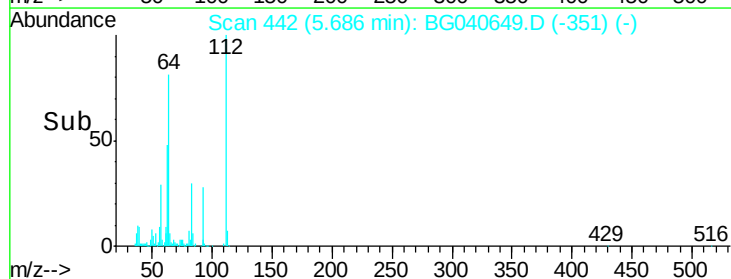
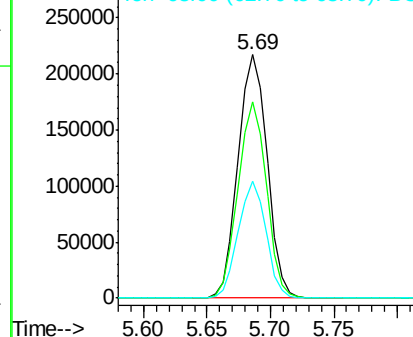
#5

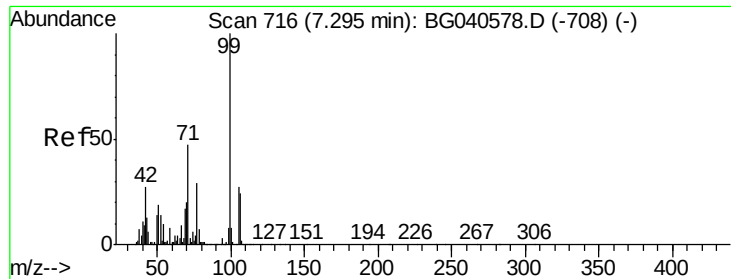
2-Fluorophenol
Concen: 132.621 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040649.D
Acq: 27 Apr 2019 4:48

Tgt Ion:112 Resp: 346110
Ion Ratio Lower Upper
112 100
64 80.8 61.4 92.0
63 48.1 37.8 56.6



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: 114.329 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040649.D

Acq: 27 Apr 2019 4:48

Instrument :

BNA_G

ClientSampleId :

135-20

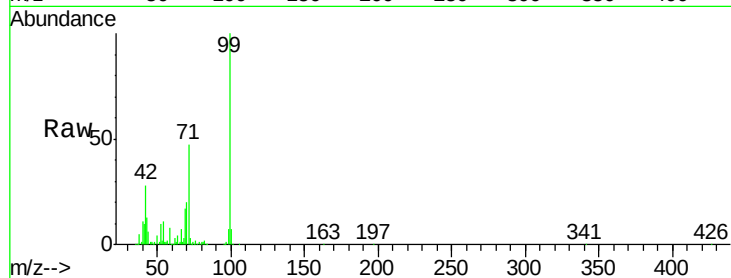
Tot Ion: 99 Resp: 459409

Ion Ratio Lower Upper

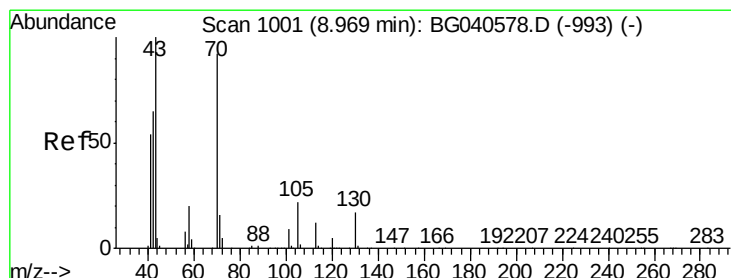
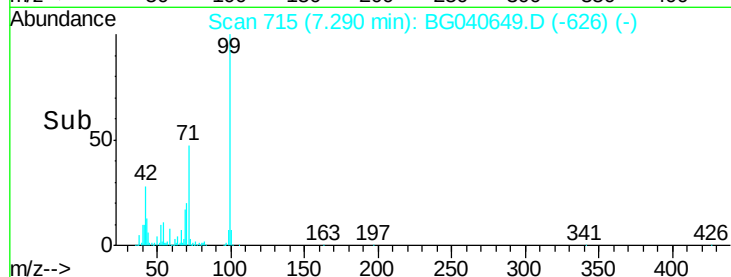
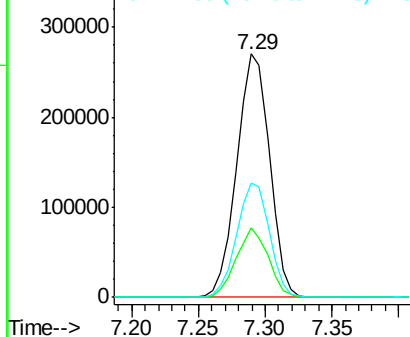
99 100

42 28.4 21.8 32.8

71 47.2 38.6 57.8



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: 17.392 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG040649.D

Acq: 27 Apr 2019 4:48

Tgt Ion: 70 Resp: 62910

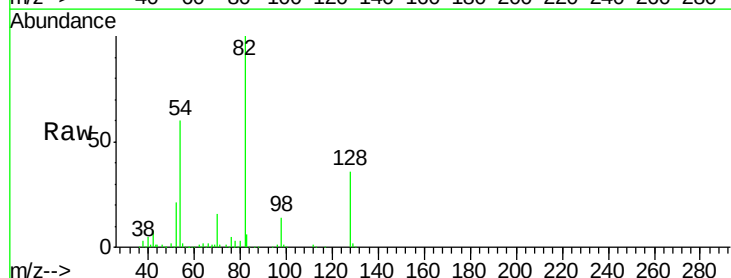
Ion Ratio Lower Upper

70 100

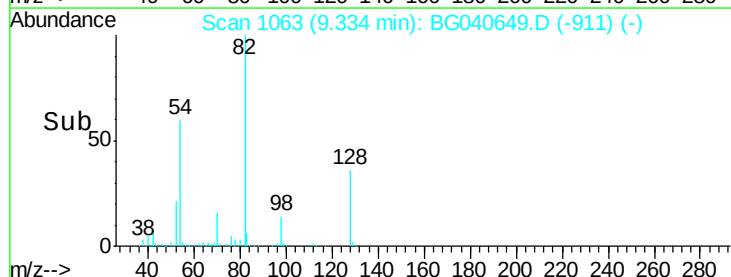
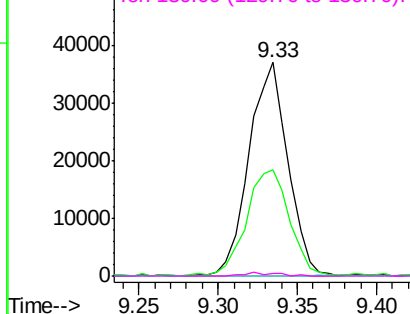
42 49.5 57.1 85.7#

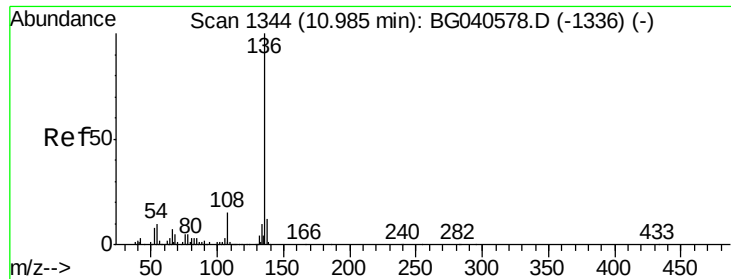
101 0.0 7.8 11.8#

130 1.0 14.6 21.8#



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

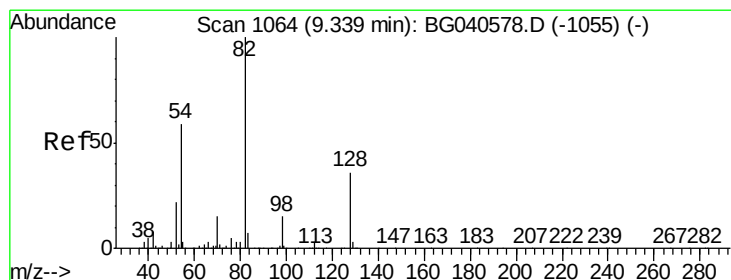
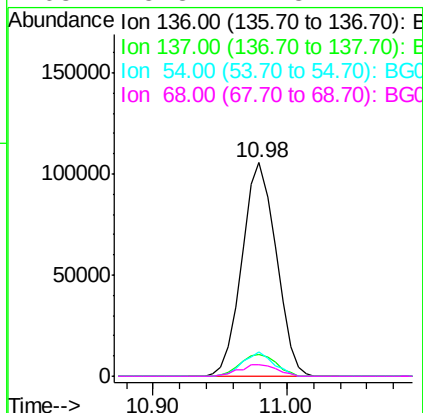
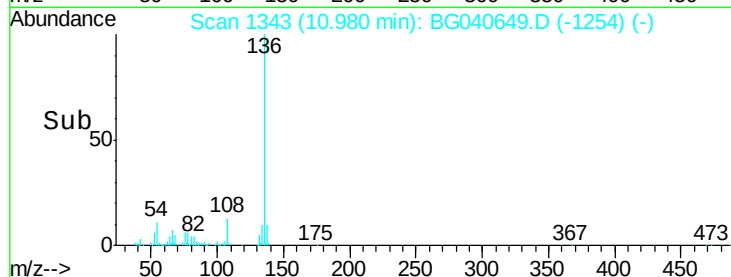
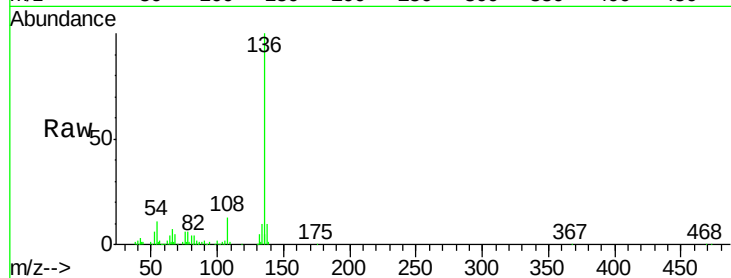




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040649.D
Acq: 27 Apr 2019 4:48

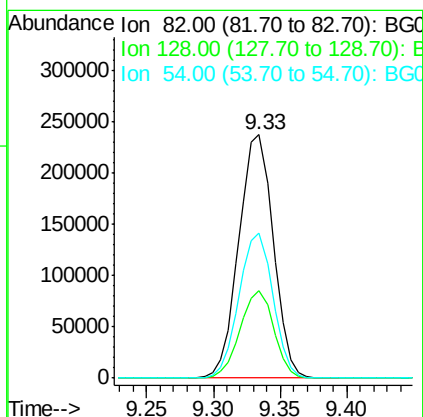
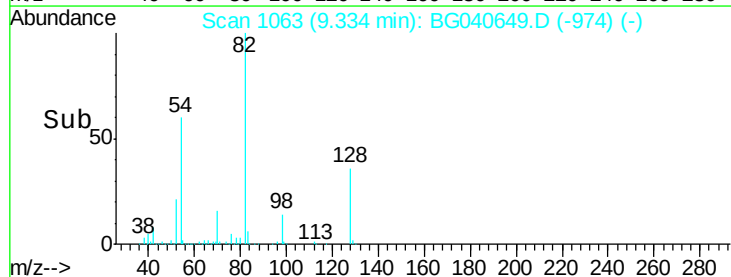
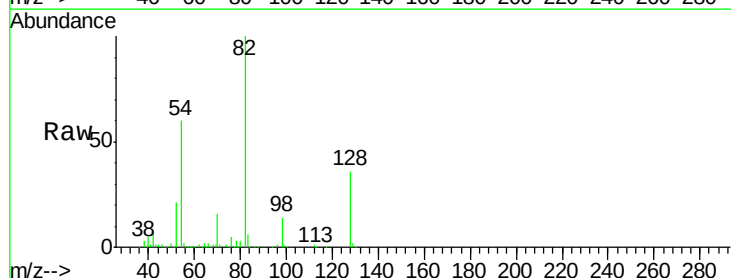
Instrument :
BNA_G
ClientSampleId :
135-20

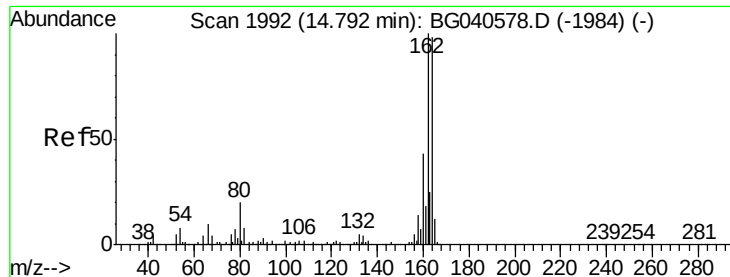
Tot Ion:136	Resp:	186684
Ion	Ratio	Lower Upper
136	100	
137	10.5	9.7 14.5
54	11.3	8.6 12.8
68	5.3	4.8 7.2



#23
Nitrobenzene-d5
Concen: 105.294 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040649.D
Acq: 27 Apr 2019 4:48

Tgt Ion: 82	Resp:	425413
Ion	Ratio	Lower Upper
82	100	
128	35.9	28.9 43.3
54	59.6	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040649.D

Acq: 27 Apr 2019 4:48

Instrument :

BNA_G

ClientSampleId :

135-20

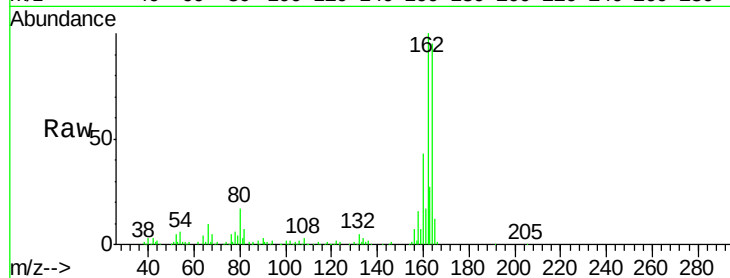
Tot Ion:164 Resp: 134473

Ion Ratio Lower Upper

164 100

162 104.8 81.9 122.9

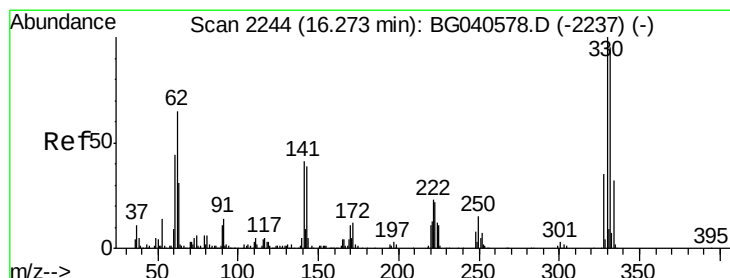
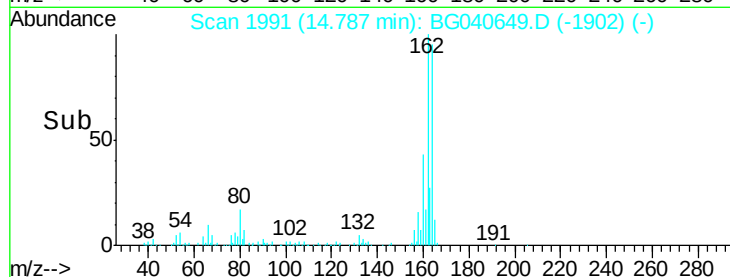
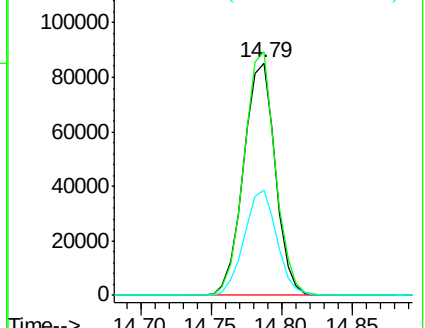
160 45.3 35.4 53.2



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: 168.206 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040649.D

Acq: 27 Apr 2019 4:48

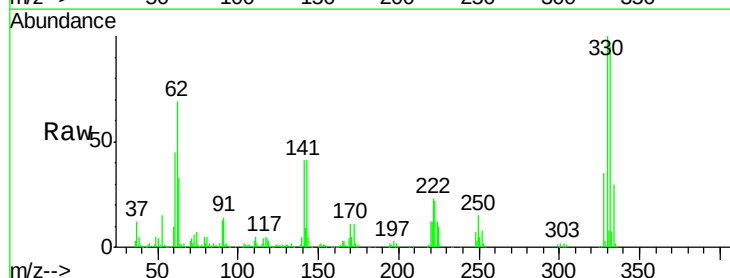
Tgt Ion:330 Resp: 310905

Ion Ratio Lower Upper

330 100

332 94.7 75.9 113.9

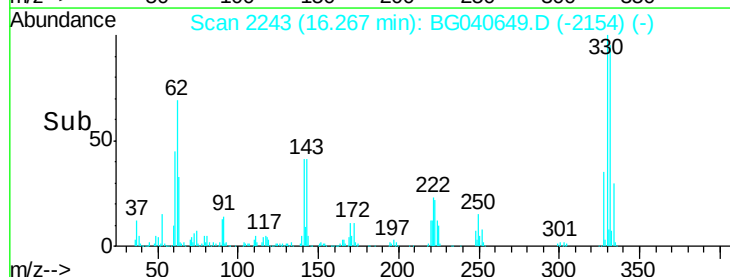
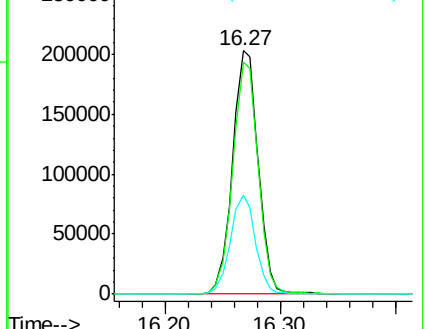
141 40.0 32.4 48.6

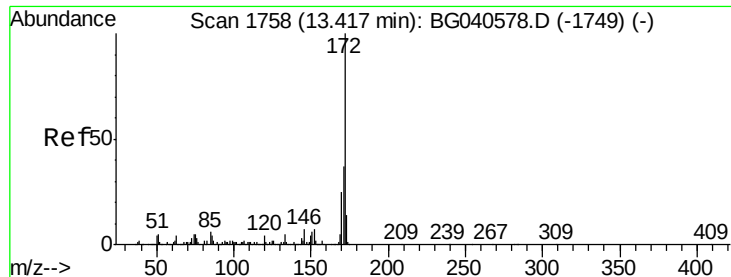


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 94.044 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BG040649.D

Acq: 27 Apr 2019 4:48

Instrument :

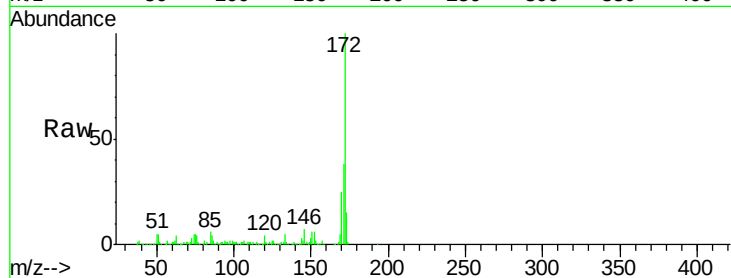
BNA_G

ClientSampleId :

135-20

Tot Ion:172 Resp: 875670

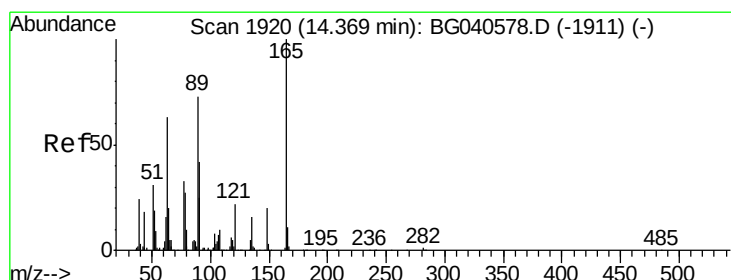
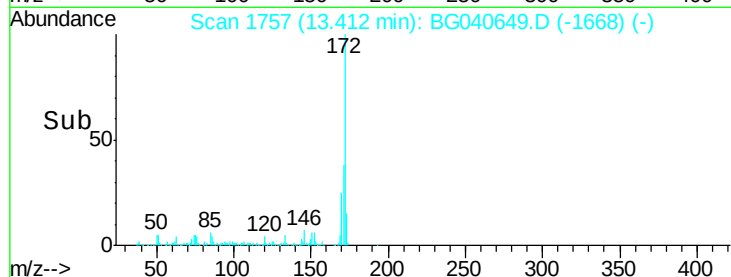
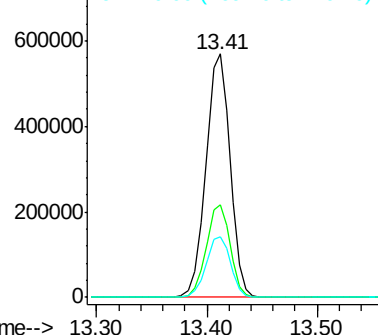
Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.4	44.2
170	24.9	19.9	29.9



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: 8.141 ng

RT: 14.78 min Scan# 1990

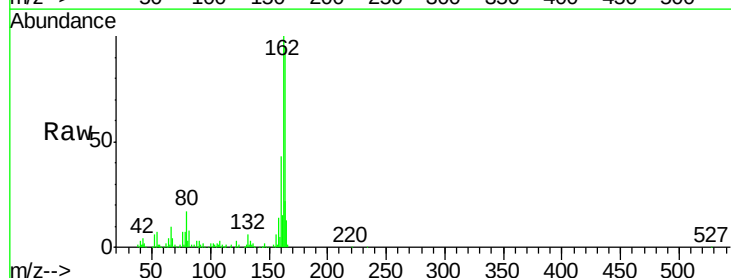
Delta R.T. 0.41 min

Lab File: BG040649.D

Acq: 27 Apr 2019 4:48

Tgt Ion:165 Resp: 17876

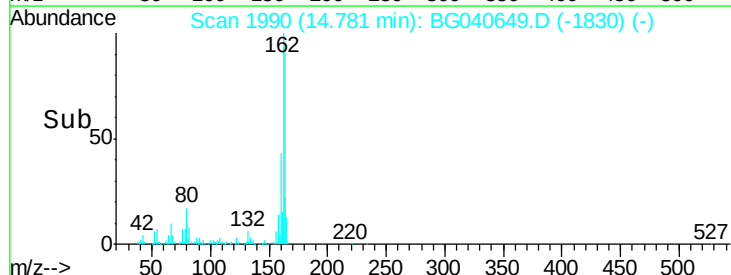
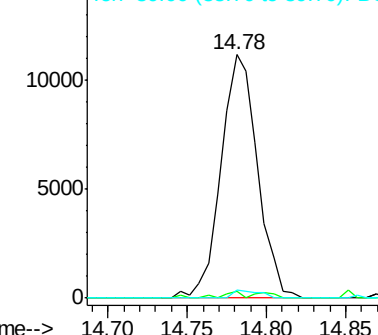
Ion	Ratio	Lower	Upper
165	100		
63	2.7	61.0	91.4#
89	3.3	58.6	87.8#

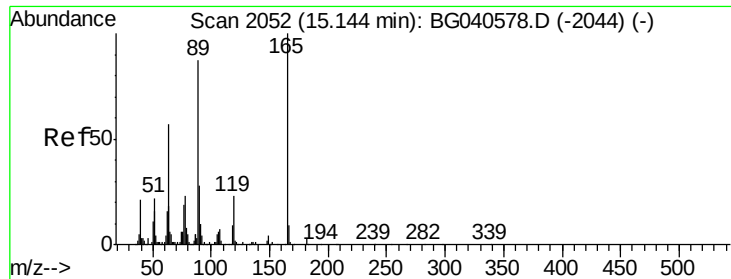


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

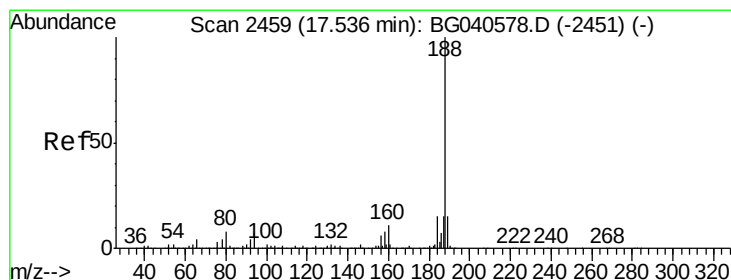
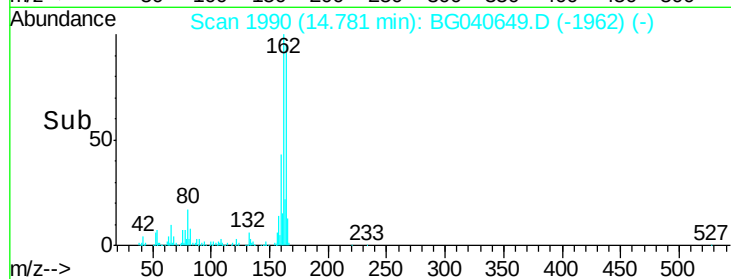
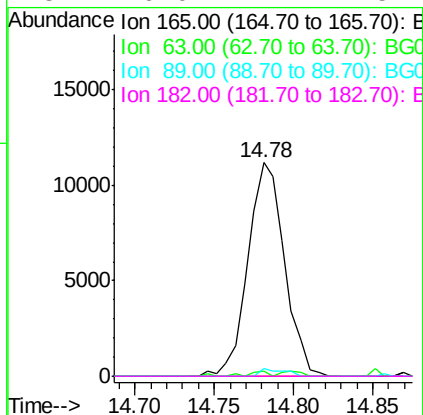
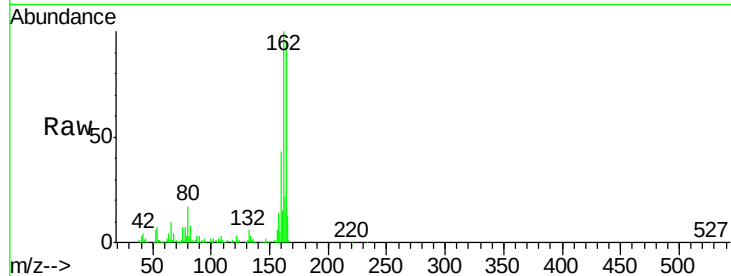




#57
 2,4-Dinitrotoluene
 Concen: 5.991 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.36 min
 Lab File: BG040649.D
 Acq: 27 Apr 2019 4:48

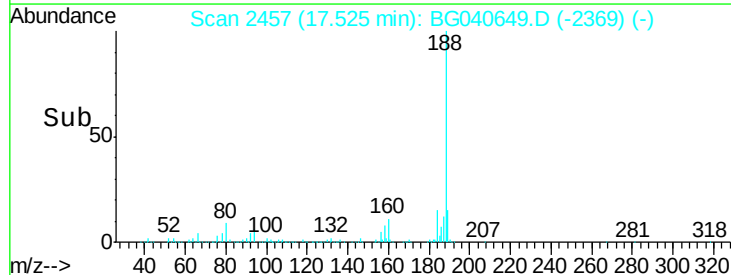
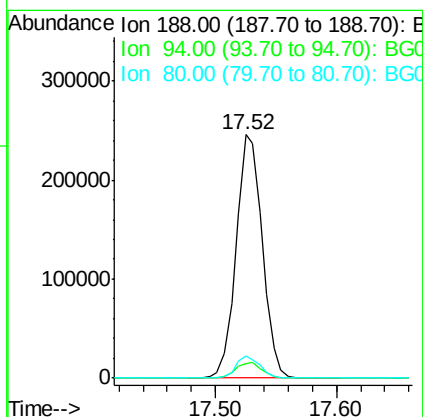
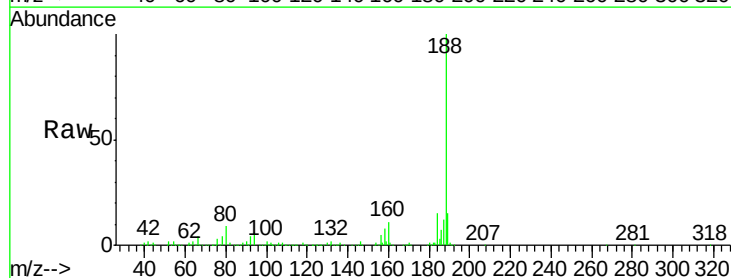
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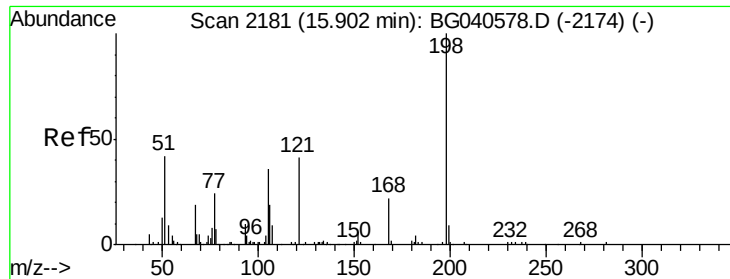
Tot Ion:165 Resp: 17876
 Ion Ratio Lower Upper
 165 100
 63 2.7 45.8 68.8#
 89 3.3 69.4 104.2#
 182 0.0 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BG040649.D
 Acq: 27 Apr 2019 4:48

Tgt Ion:188 Resp: 370766
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.6 8.4
 80 8.9 6.4 9.6

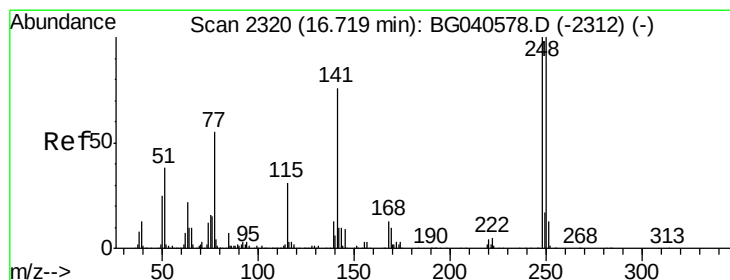
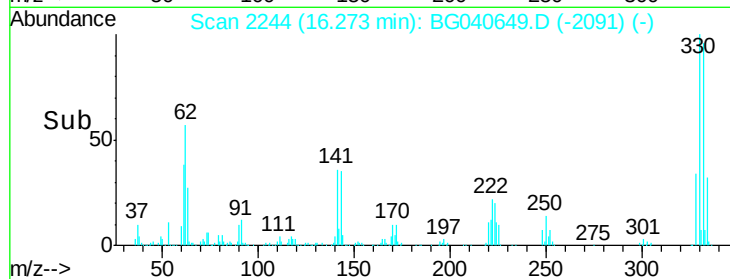
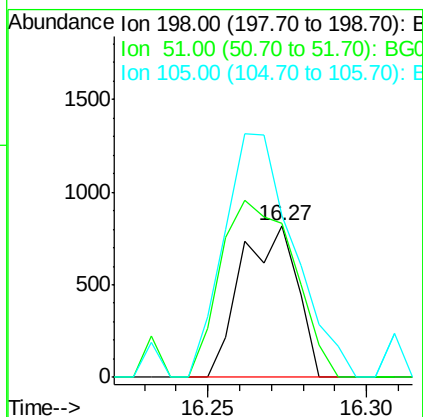
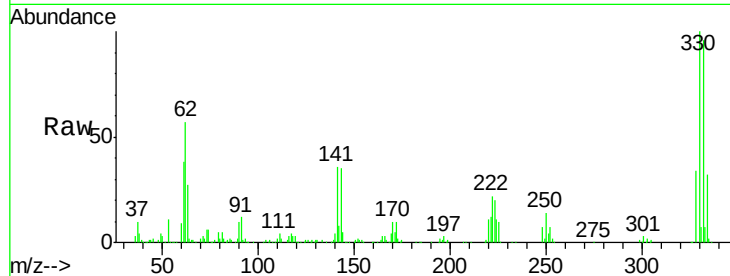




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.568 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.37 min
 Lab File: BG040649.D
 Acq: 27 Apr 2019 4:48

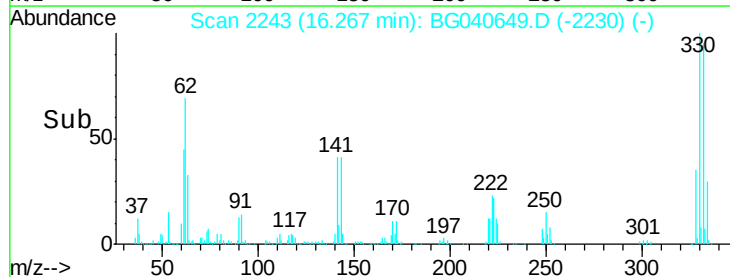
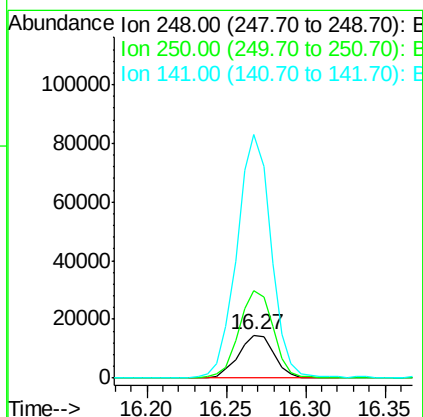
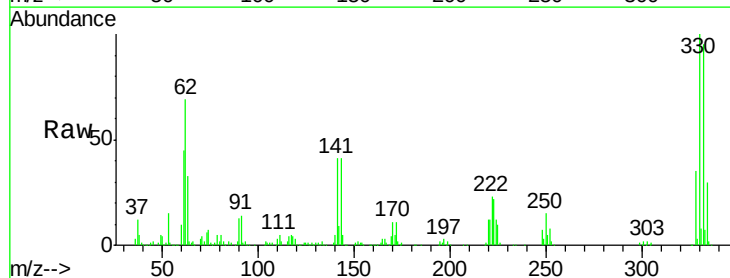
Instrument :
 BNA_G
 ClientSampleId :
 135-20

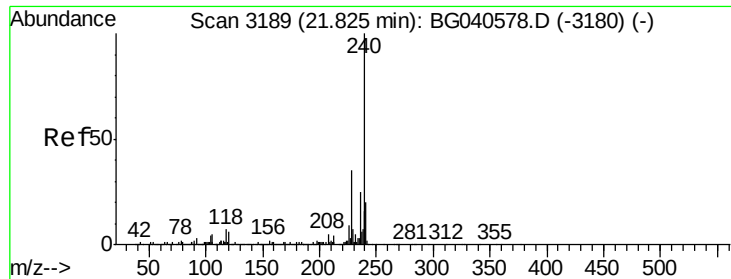
Tot Ion:198 Resp: 1000
 Ion Ratio Lower Upper
 198 100
 51 101.8 35.9 75.9#
 105 106.8 21.2 61.2#



#67
 4-Bromophenyl-phenylether
 Concen: 4.962 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG040649.D
 Acq: 27 Apr 2019 4:48

Tgt Ion:248 Resp: 22921
 Ion Ratio Lower Upper
 248 100
 250 276.3 79.8 119.6#
 141 570.7 60.8 91.2#

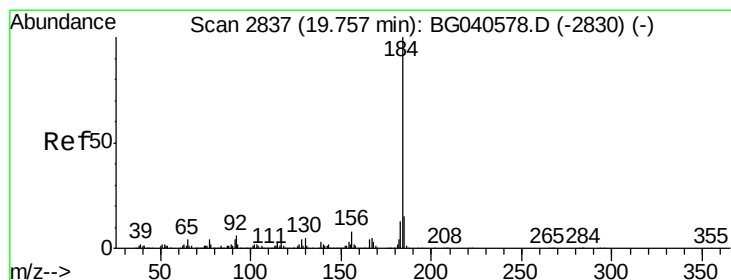
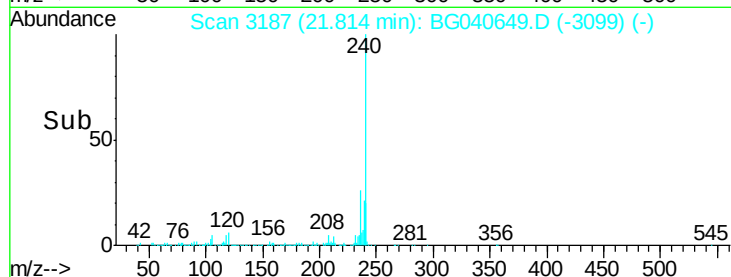
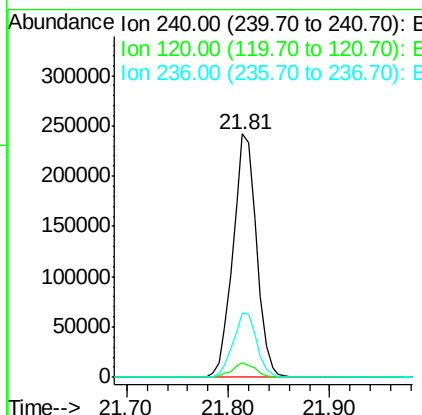
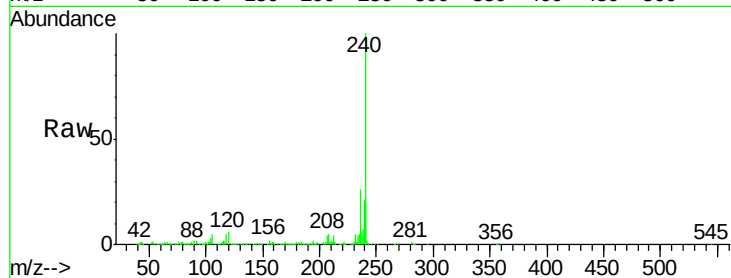




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BG040649.D
Acq: 27 Apr 2019 4:48

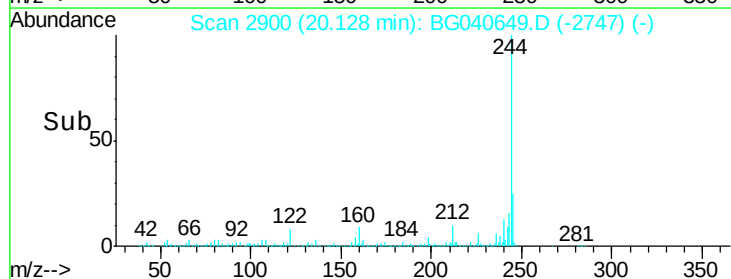
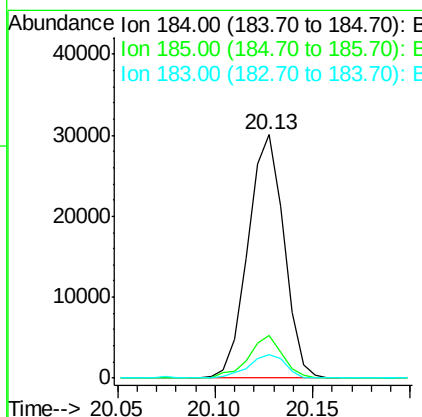
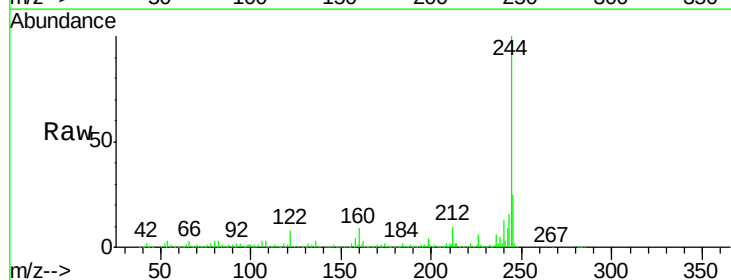
Instrument :
BNA_G
ClientSampleId :
135-20

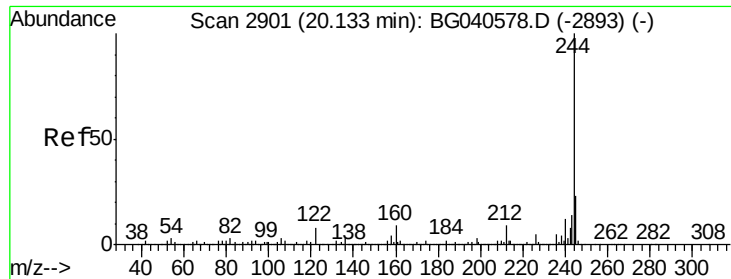
Tot Ion:240 Resp: 390479
Ion Ratio Lower Upper
240 100
120 5.8 5.0 7.6
236 26.3 20.3 30.5



#77
Benzidine
Concen: 3.586 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG040649.D
Acq: 27 Apr 2019 4:48

Tgt Ion:184 Resp: 38336
Ion Ratio Lower Upper
184 100
185 17.5 11.8 17.8
183 9.7 10.2 15.2#

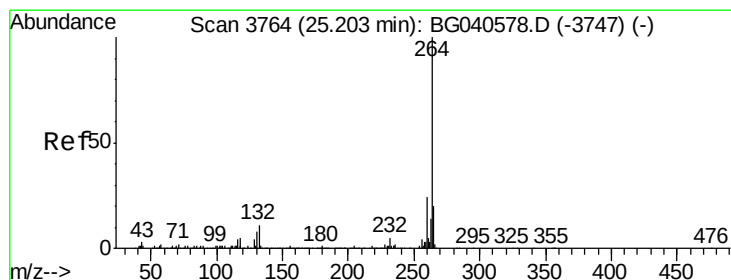
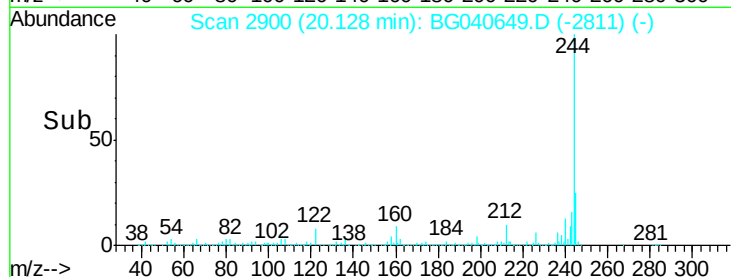
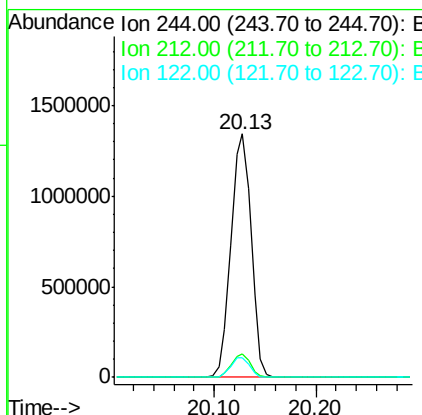
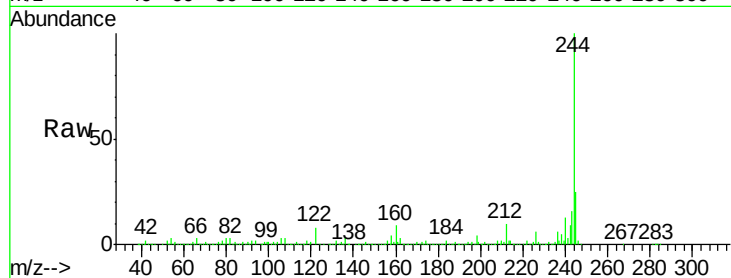




#79
 Terphenyl-d14
 Concen: 105.335 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. -0.01 min
 Lab File: BG040649.D
 Acq: 27 Apr 2019 4:48

Instrument :
 BNA_G
 ClientSampleId :
 135-20

Tot Ion:244 Resp: 1856578
 Ion Ratio Lower Upper
 244 100
 212 9.9 7.2 10.8
 122 8.2 6.6 10.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.19 min Scan# 3761
 Delta R.T. -0.02 min
 Lab File: BG040649.D
 Acq: 27 Apr 2019 4:48

Tgt Ion:264 Resp: 408157
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.2 28.8
 265 21.0 16.6 25.0

