

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042419\
 Data File : BG040586.D
 Acq On : 24 Apr 2019 10:19
 Operator : JU/SJ
 Sample : K2515-16
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 13:32:19 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

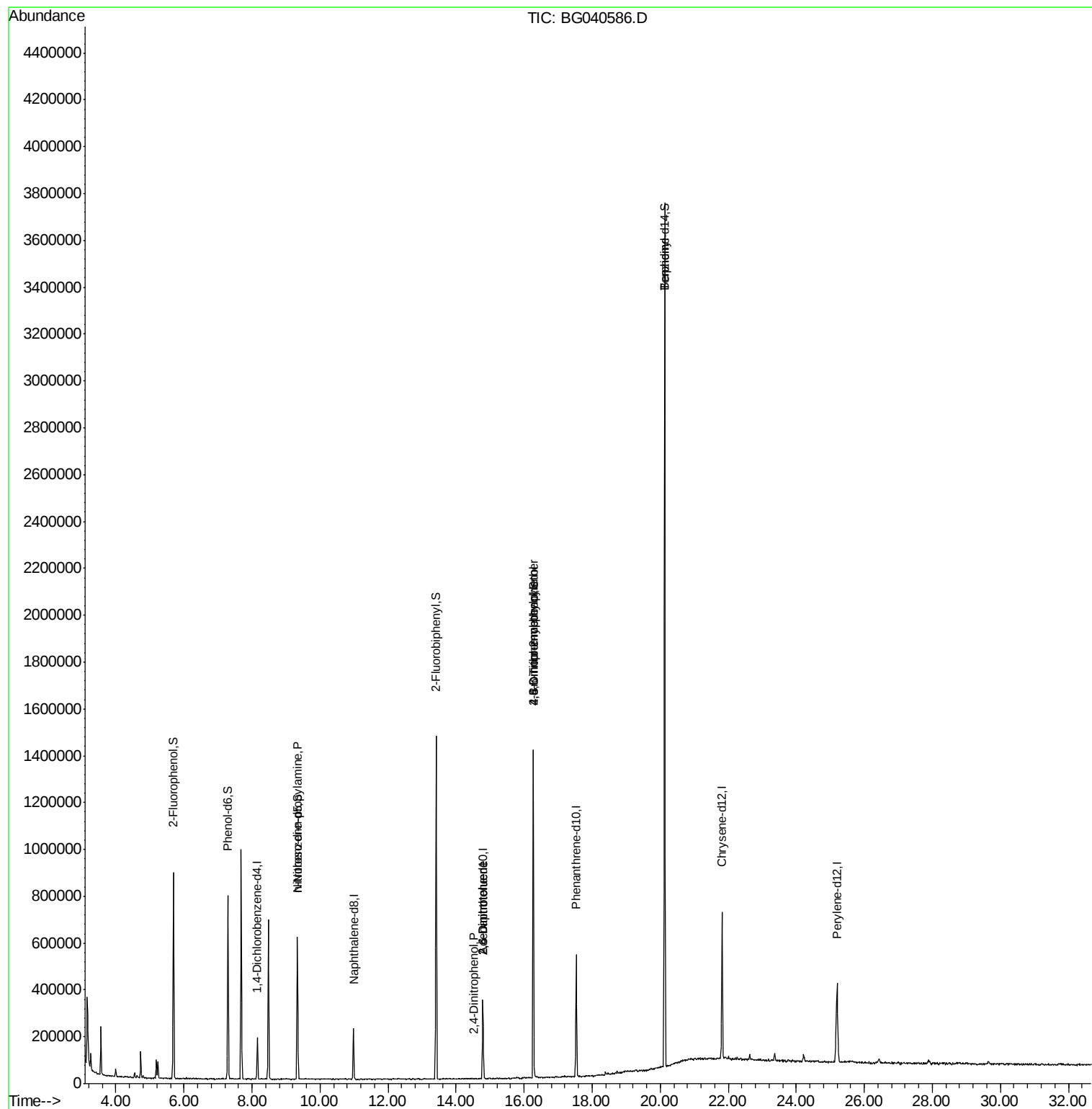
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	43975	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	163026	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	110586	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	304056	20.00	ng	0.00
76) Chrysene-d12	21.82	240	359337	20.00	ng	0.00
87) Perylene-d12	25.19	264	378984	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	297231	119.15	ng	0.00
7) Phenol-d6	7.29	99	375413	97.74	ng	0.00
23) Nitrobenzene-d5	9.34	82	351603	99.65	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	234108	154.02	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	707656	92.42	ng	0.00
79) Terphenyl-d14	20.13	244	1571673	96.90	ng	0.00
Target Compounds						
9) Benzaldehyde	7.30	77	1259	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.33	70	54453	15.749	ng	# 76
51) 2,6-Dinitrotoluene	14.79	165	15487	8.576	ng	# 15
54) 2,4-Dinitrophenol	14.53	184	64	7.072	ng	# 21
57) 2,4-Dinitrotoluene	14.79	165	15487	6.311	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.27	198	805	7.559	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	17401	4.594	ng	# 1
77) Benzidine	20.13	184	32545	3.308	ng	95

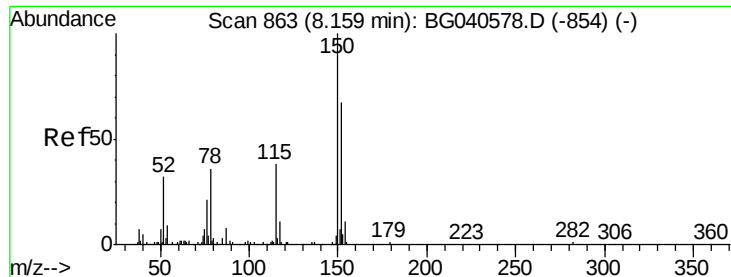
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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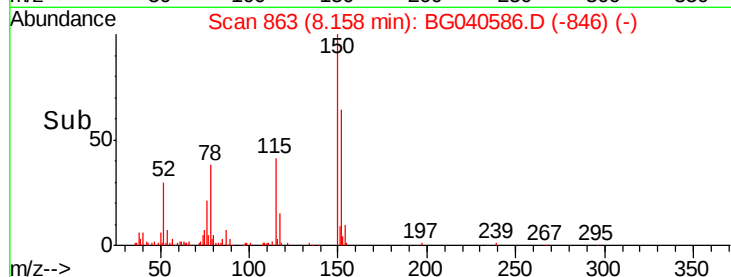
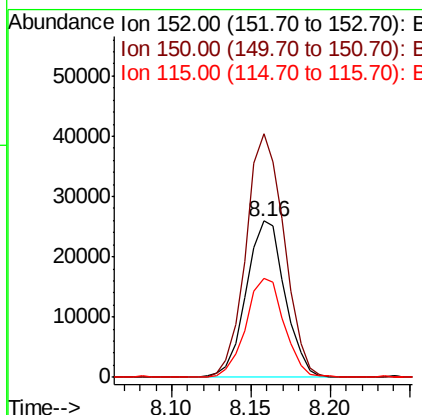
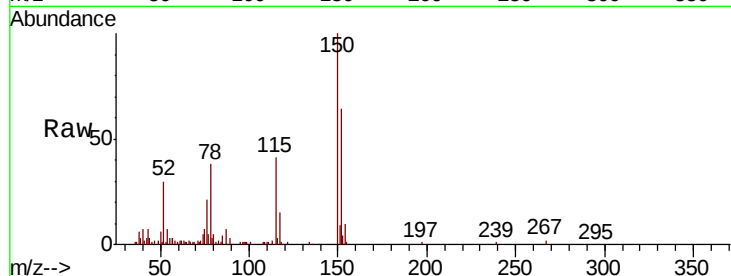


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

Instrument :
BNA_G
ClientSampled :

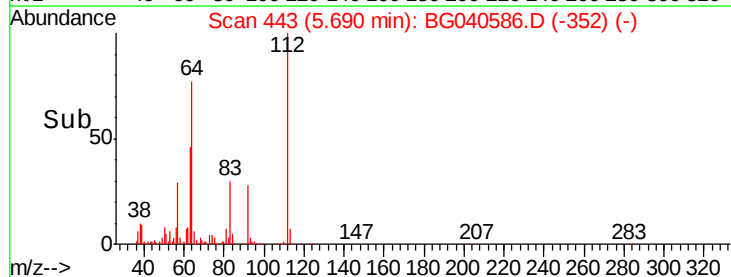
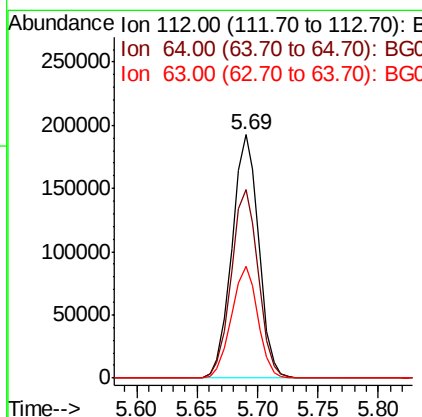
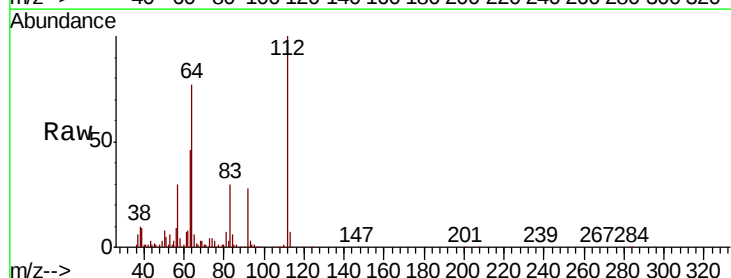
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	120.2	180.2
115	63.2	46.2	69.2



#5

2-Fluorophenol
Concen: 119.147 ng
RT: 5.69 min Scan# 443
Delta R.T. 0.01 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.2	61.4	92.0
63	45.9	37.8	56.6





#7

Phenol-d6

Concen: 97.737 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG040586.D

Acq: 24 Apr 2019 10:19

Instrument :

BNA_G

ClientSampled :

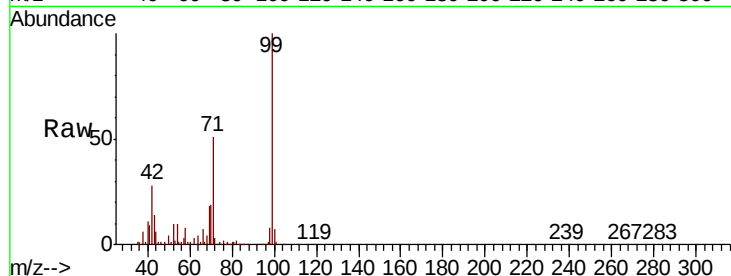
Tot Ion: 99 Resp: 375413

Ion Ratio Lower Upper

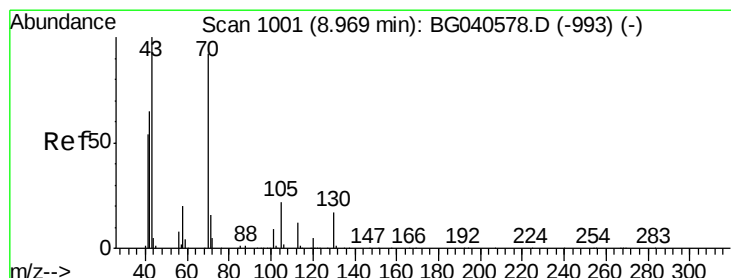
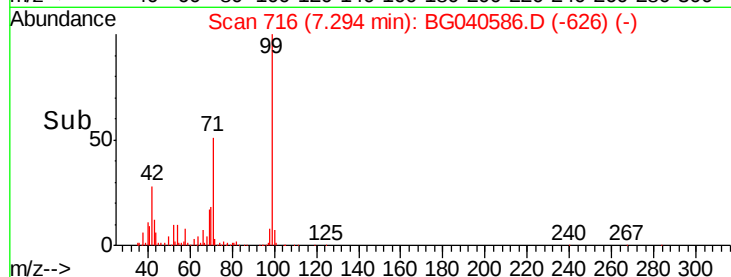
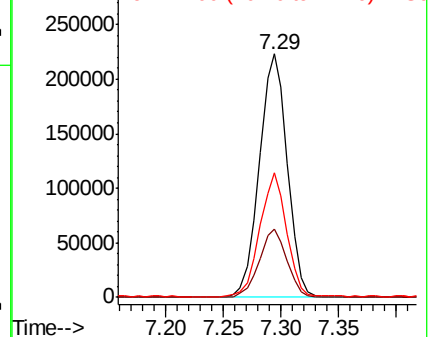
99 100

42 27.8 21.8 32.8

71 50.9 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: 15.749 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040586.D

Acq: 24 Apr 2019 10:19

Tgt Ion: 70 Resp: 54453

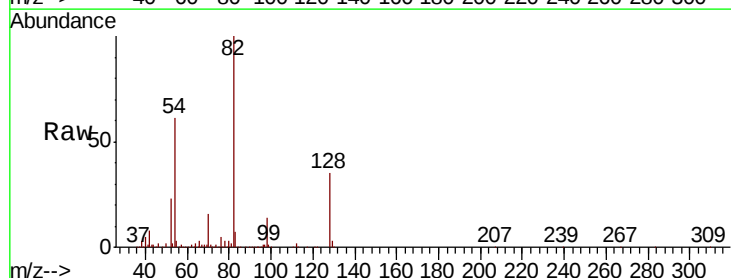
Ion Ratio Lower Upper

70 100

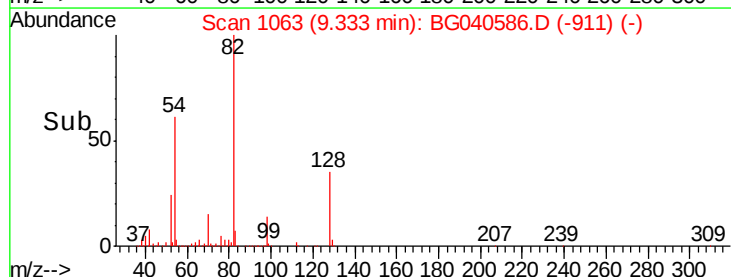
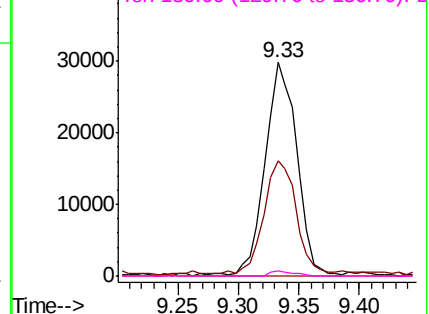
42 54.2 57.1 85.7#

101 0.0 7.8 11.8#

130 2.5 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

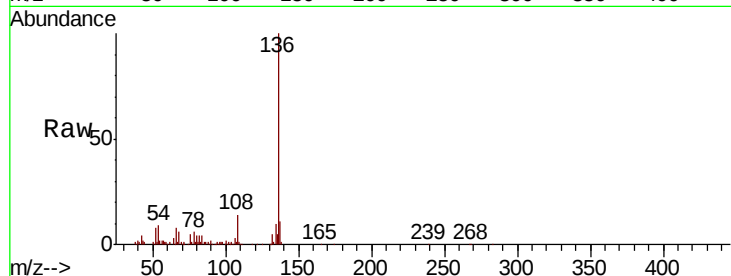




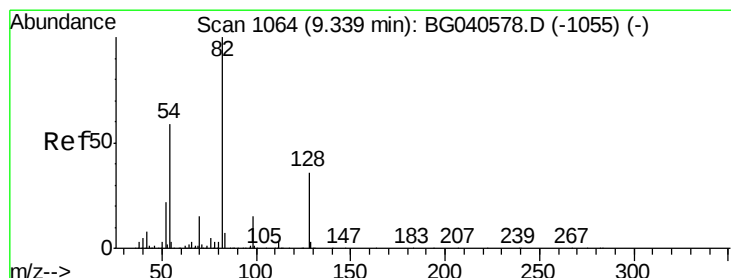
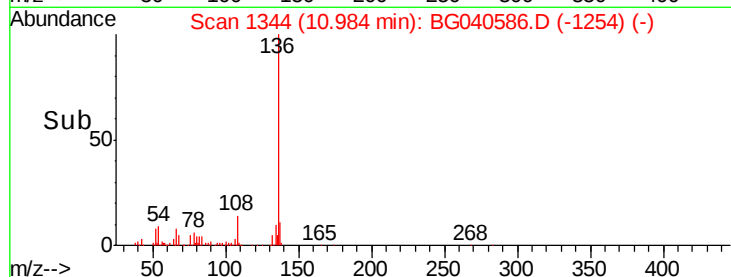
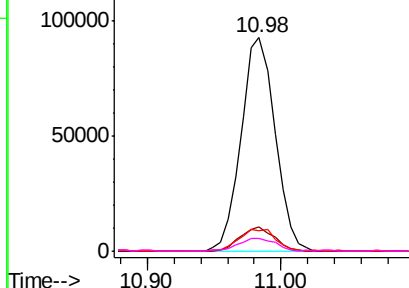
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	163026
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.7 14.5
54	9.5	8.6 12.8
68	5.8	4.8 7.2

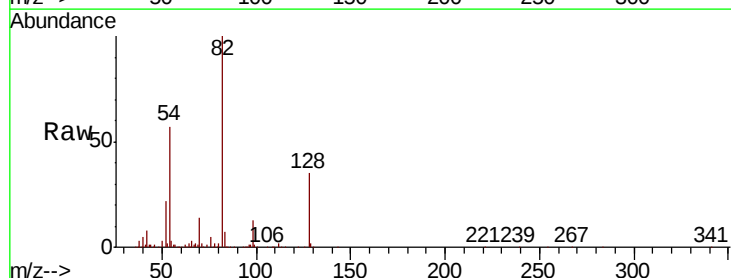


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

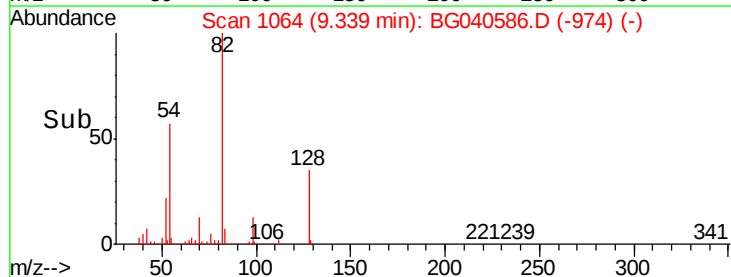
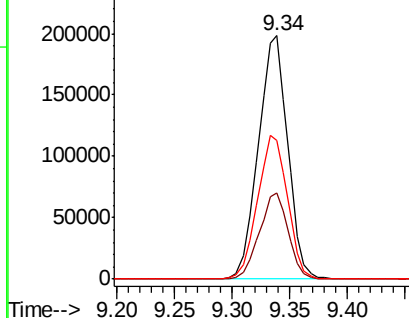


#23
Nitrobenzene-d5
Concen: 99.654 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

Tgt Ion: 82	Resp:	351603
Ion	Ratio	Lower Upper
82	100	
128	35.2	28.9 43.3
54	56.7	47.2 70.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040586.D

Acq: 24 Apr 2019 10:19

Instrument :

BNA_G

ClientSampled :

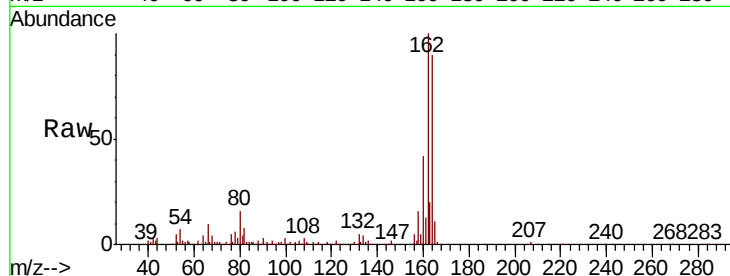
Tot Ion:164 Resp: 110586

Ion Ratio Lower Upper

164 100

162 110.9 81.9 122.9

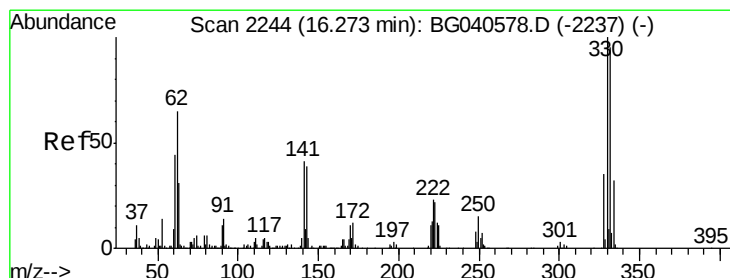
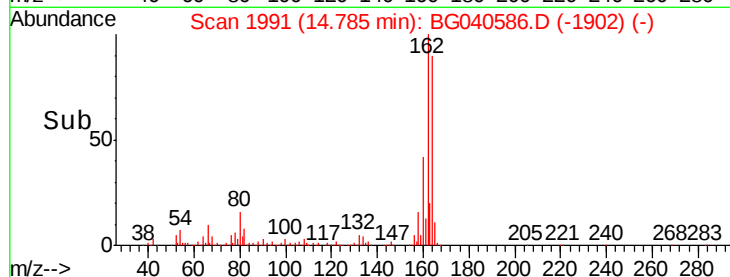
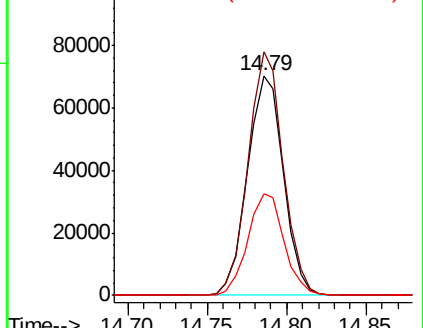
160 46.5 35.4 53.2



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: 154.015 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.00 min

Lab File: BG040586.D

Acq: 24 Apr 2019 10:19

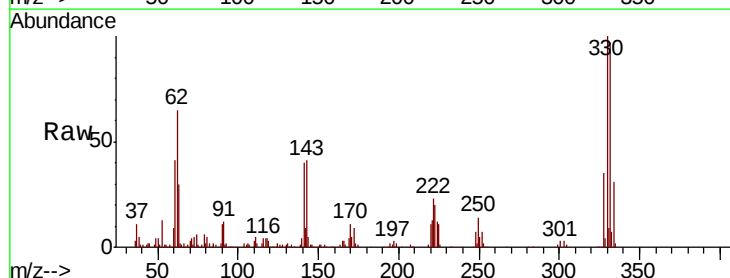
Tgt Ion:330 Resp: 234108

Ion Ratio Lower Upper

330 100

332 94.3 75.9 113.9

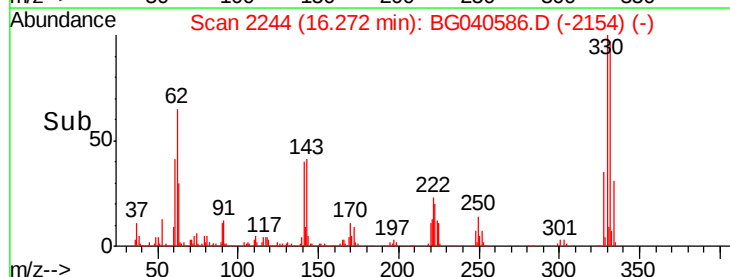
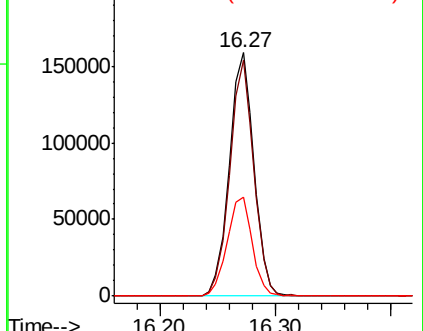
141 41.3 32.4 48.6

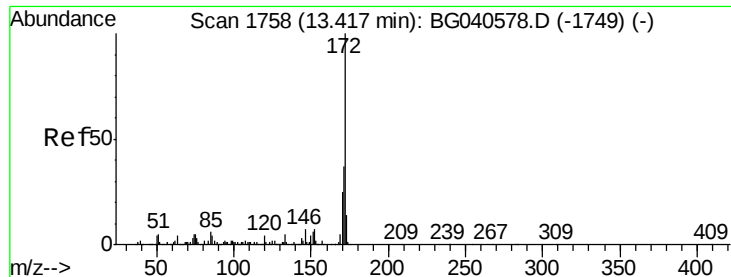


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

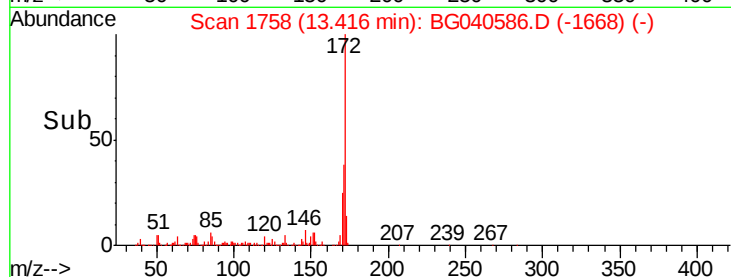
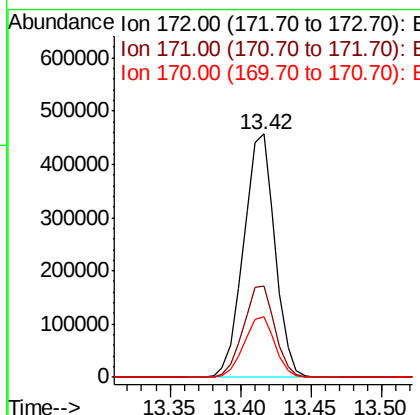
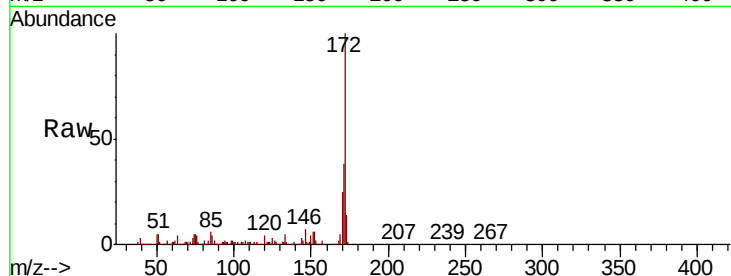




#45
2-Fluorobiphenyl
Concen: 92.416 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

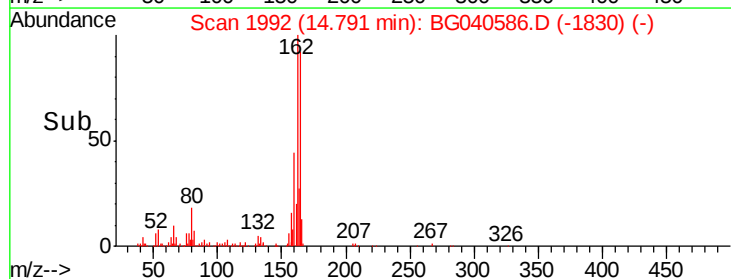
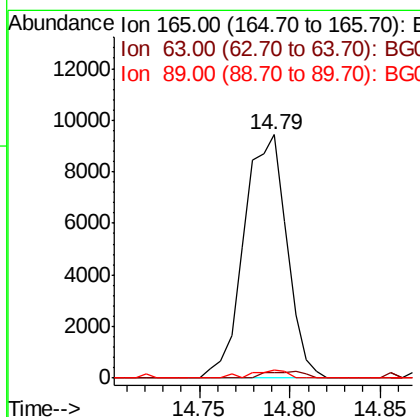
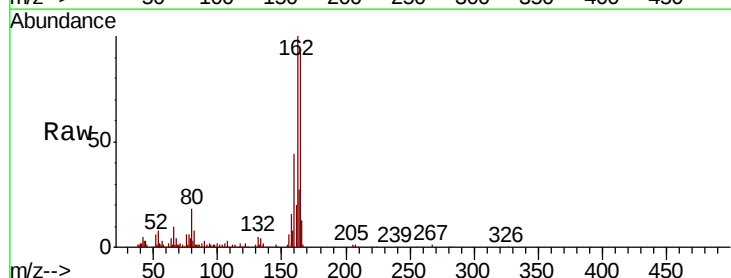
Instrument :
BNA_G
ClientSampleId :

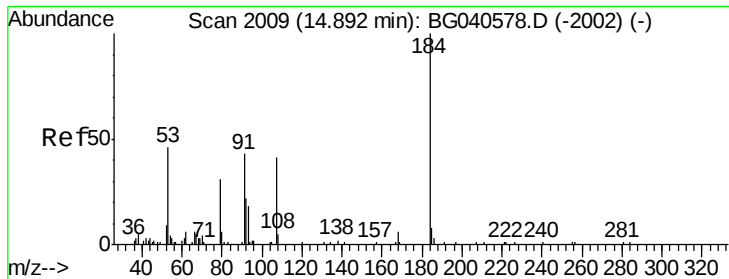
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.4	44.2
170	24.9	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.576 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.42 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	61.0	91.4#
89	3.4	58.6	87.8#

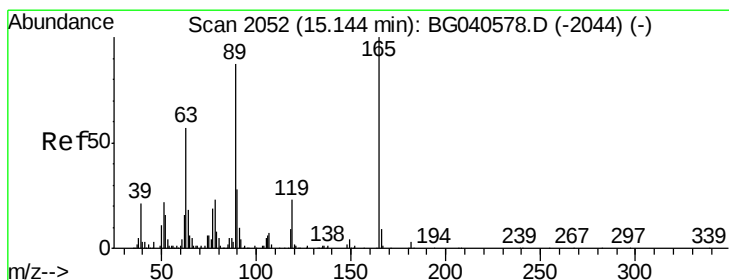
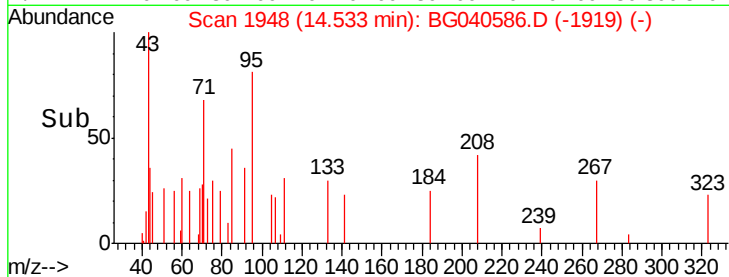
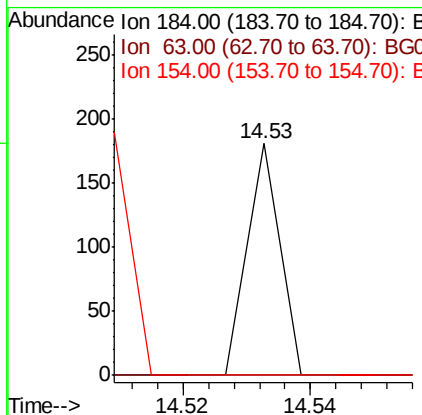
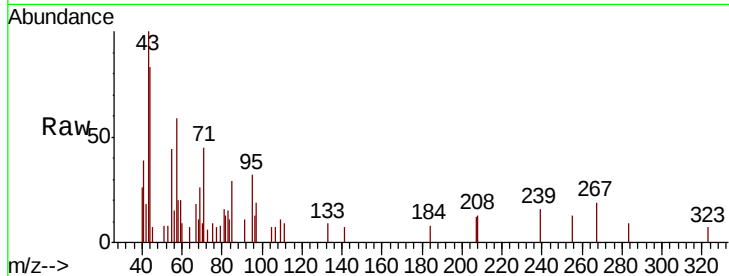




#54
2,4-Dinitrophenol
Concen: 7.072 ng
RT: 14.53 min Scan# 1948
Delta R.T. -0.36 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

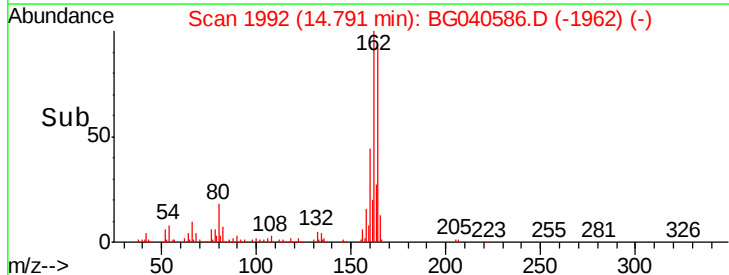
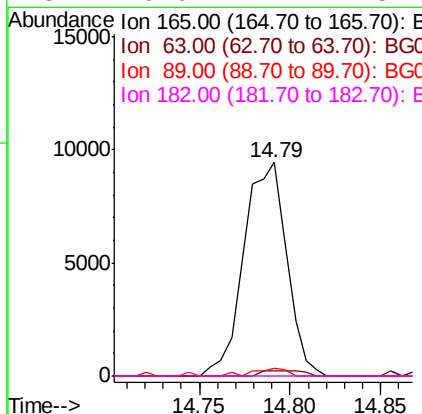
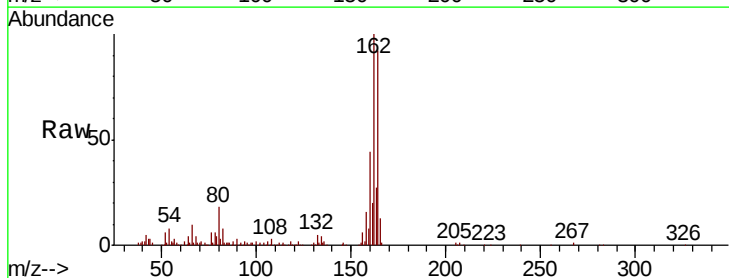
Instrument :
BNA_G
ClientSampled :

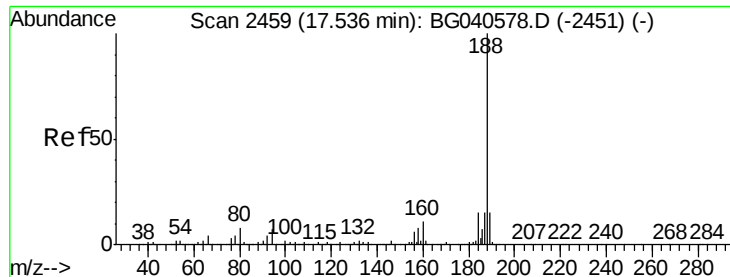
Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	51.8	77.6#
154	0.0	43.6	65.4#



#57
2,4-Dinitrotoluene
Concen: 6.311 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.35 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	45.8	68.8#
89	3.4	69.4	104.2#
182	0.0	2.2	3.4#

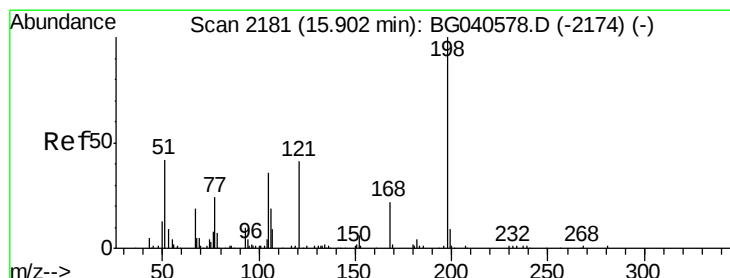
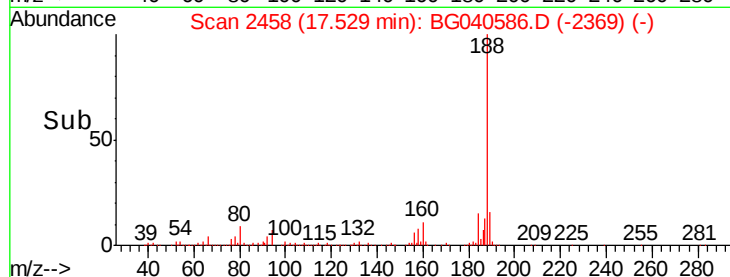
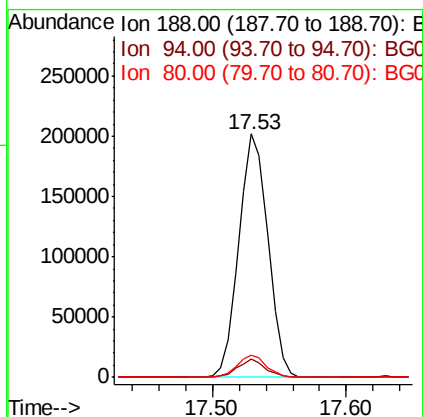
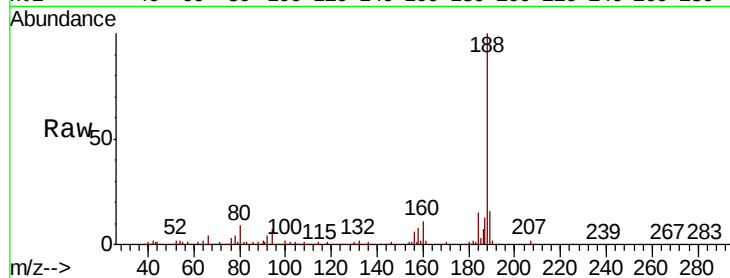




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

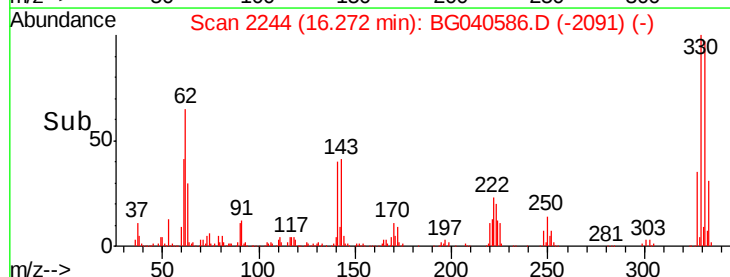
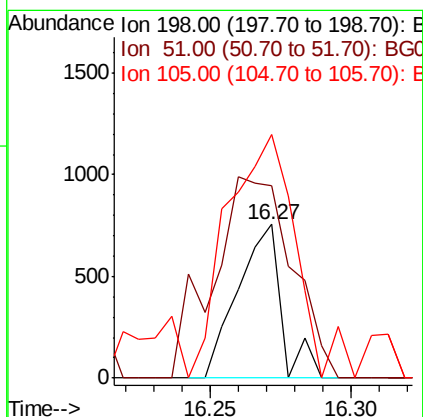
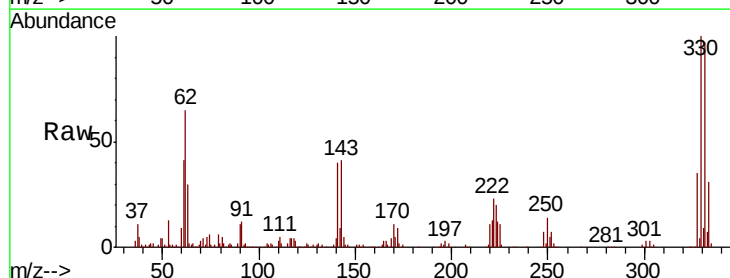
Instrument :
BNA_G
ClientSampled :

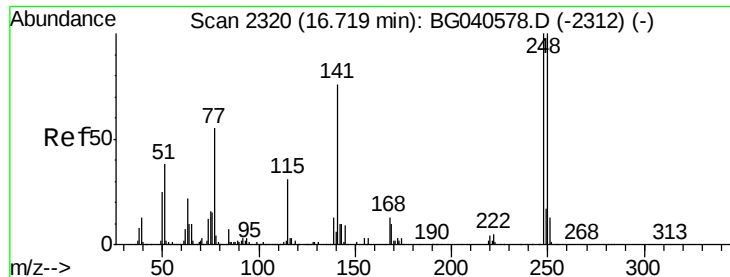
Tot Ion:188 Resp: 304056
Ion Ratio Lower Upper
188 100
94 7.3 5.6 8.4
80 8.9 6.4 9.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.559 ng
RT: 16.27 min Scan# 2244
Delta R.T. 0.37 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

Tgt Ion:198 Resp: 805
Ion Ratio Lower Upper
198 100
51 125.3 35.9 75.9#
105 158.3 21.2 61.2#

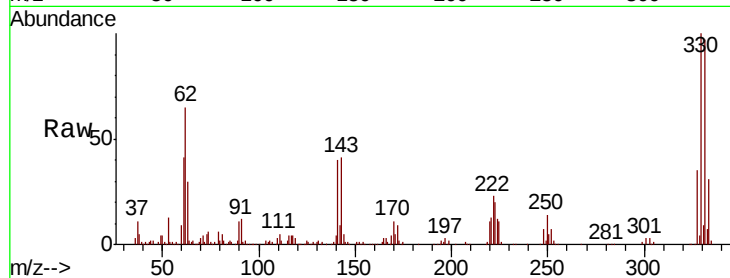




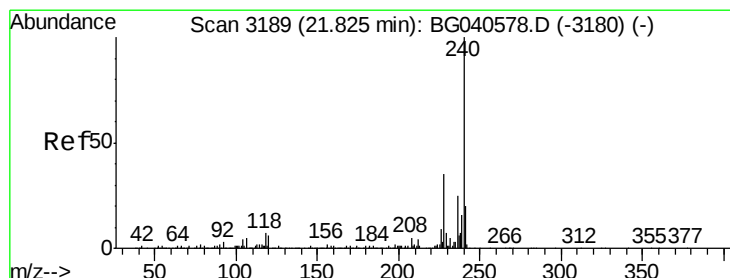
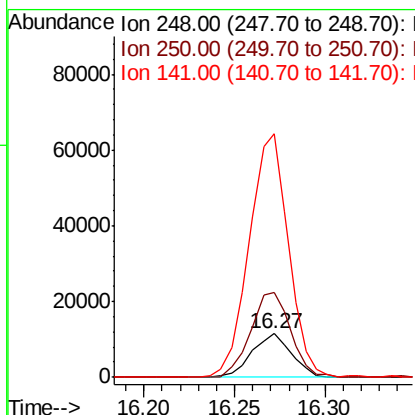
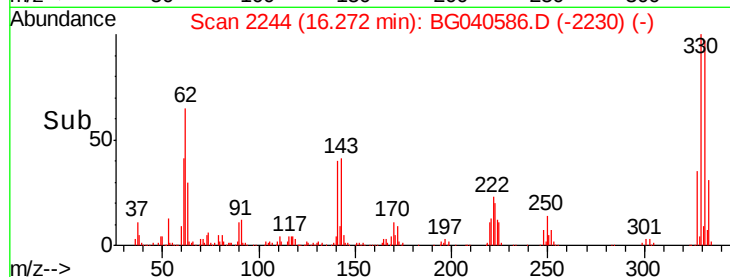
#67
 4-Bromophenyl-phenylether
 Concen: 4.594 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG040586.D
 Acq: 24 Apr 2019 10:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 17401
 Ion Ratio Lower Upper
 248 100
 250 255.7 79.8 119.6#
 141 557.8 60.8 91.2#

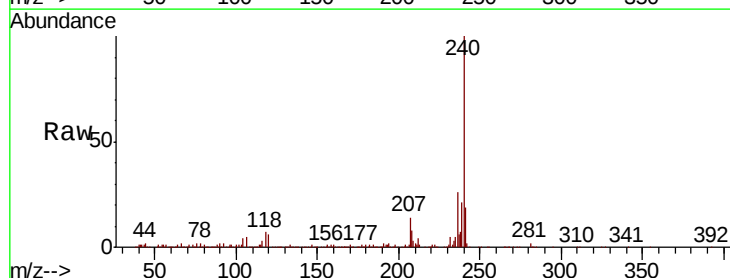


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

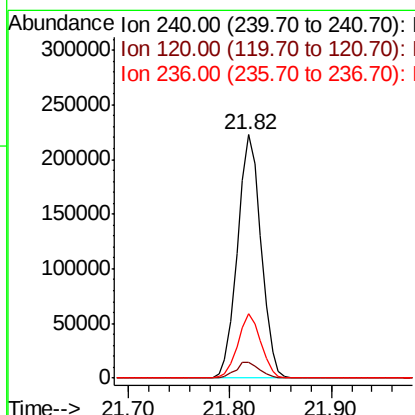
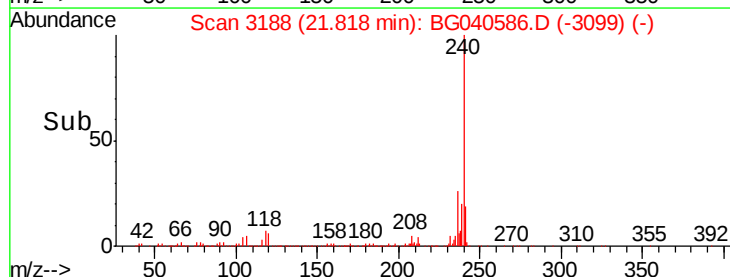


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG040586.D
 Acq: 24 Apr 2019 10:19

Tgt Ion:240 Resp: 359337
 Ion Ratio Lower Upper
 240 100
 120 6.4 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





#77

Benzidine

Concen: 3.308 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.38 min

Lab File: BG040586.D

Acq: 24 Apr 2019 10:19

Instrument :

BNA_G

ClientSampleId :

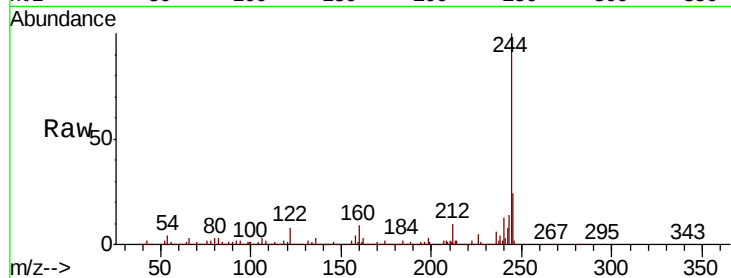
Tot Ion:184 Resp: 32545

Ion Ratio Lower Upper

184 100

185 17.2 11.8 17.8

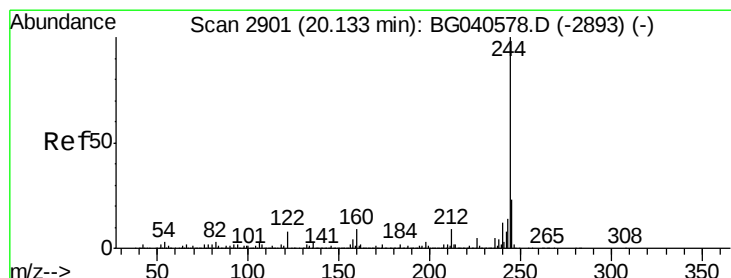
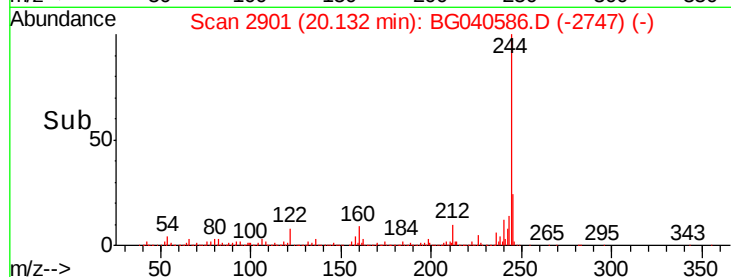
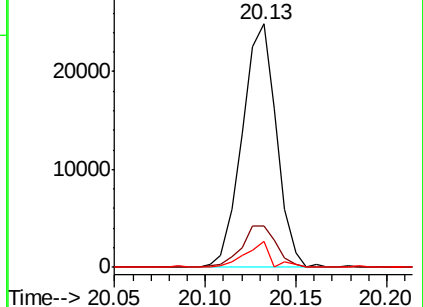
183 10.7 10.2 15.2



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: 96.898 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.00 min

Lab File: BG040586.D

Acq: 24 Apr 2019 10:19

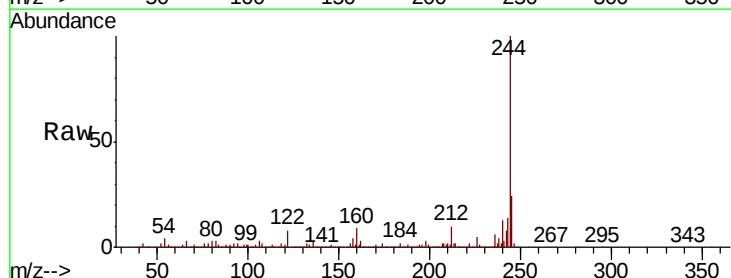
Tgt Ion:244 Resp: 1571673

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

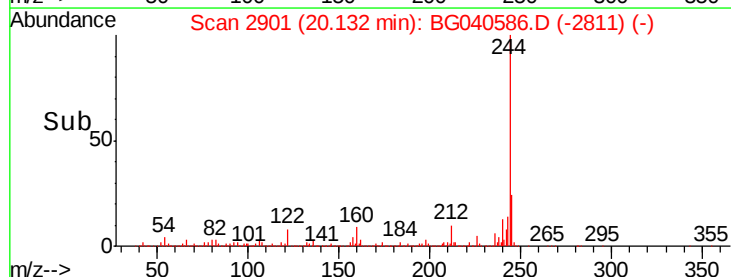
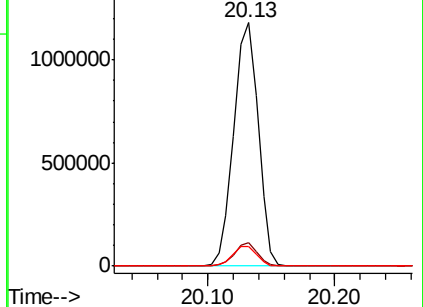
122 8.2 6.6 10.0



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
Pervlene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3762
Delta R.T. -0.01 min
Lab File: BG040586.D
Acq: 24 Apr 2019 10:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.5	16.6	25.0

