

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043376.D
 Acq On : 29 Oct 2019 16:23
 Operator : JU
 Sample : K5544-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 06:22:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

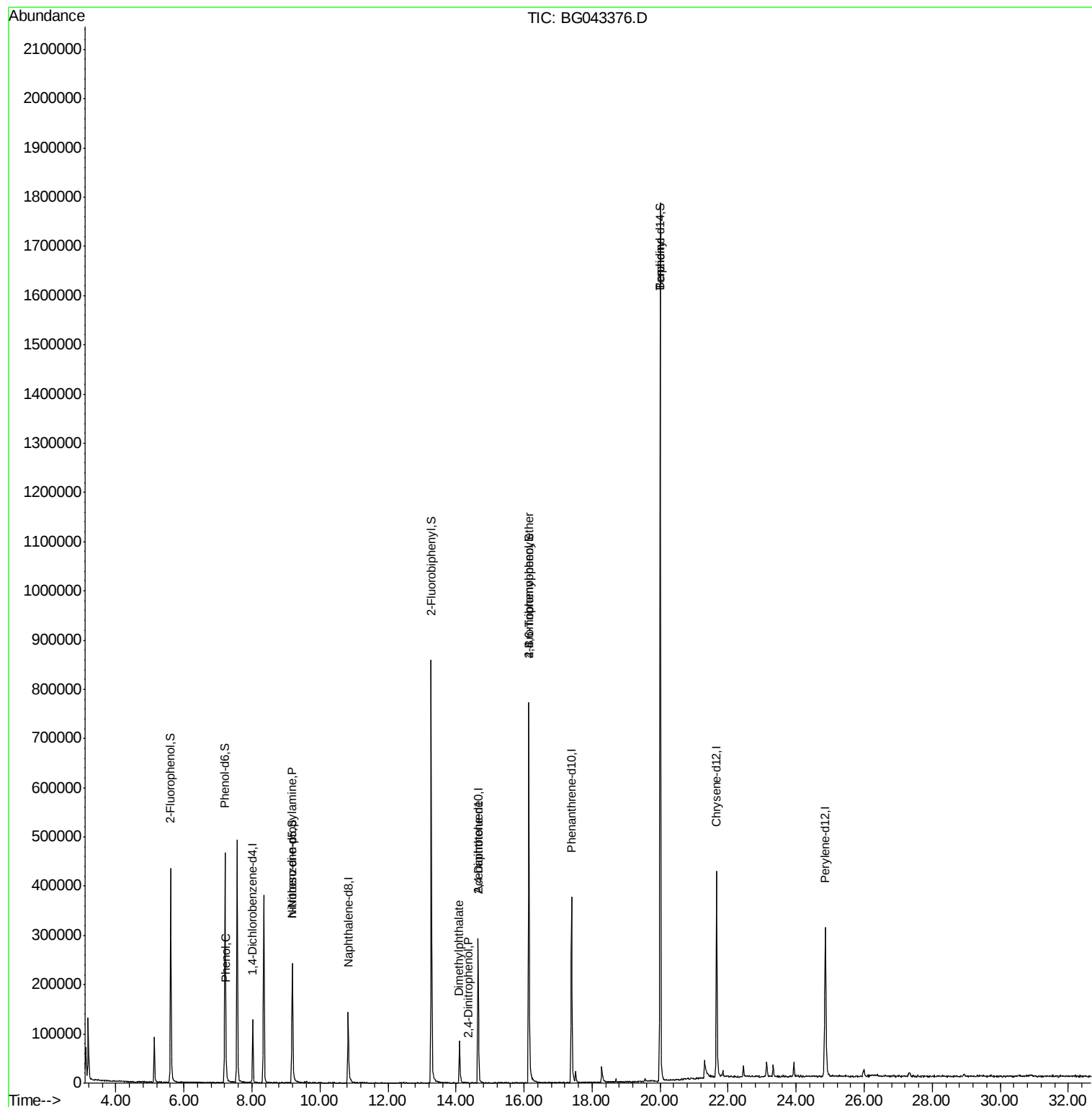
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	40682	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	152784	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	120237	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	281028	20.00	ng	0.00
76) Chrysene-d12	21.66	240	300630	20.00	ng	0.00
87) Perylene-d12	24.86	264	352975	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	206556	93.04	ng	0.00
7) Phenol-d6	7.21	99	297575	93.16	ng	0.00
23) Nitrobenzene-d5	9.18	82	173097	58.41	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	196865	86.04	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	531843	61.12	ng	0.00
79) Terphenyl-d14	20.01	244	1022340	63.80	ng	0.00
Target Compounds						
10) Phenol	7.24	94	7332	2.512	ng	# 75
19) n-Nitroso-di-n-propylamine	9.18	70	25943	12.569	ng	# 76
50) Dimethylphthalate	14.10	163	75352	8.091	ng	# 99
54) 2,4-Dinitrophenol	14.36	184	60	7.326	ng	# 20
57) 2,4-Dinitrotoluene	14.65	165	16007	5.536	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	12755	3.373	ng	# 1
77) Benzidine	20.00	184	14930	2.468	ng	# 92

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

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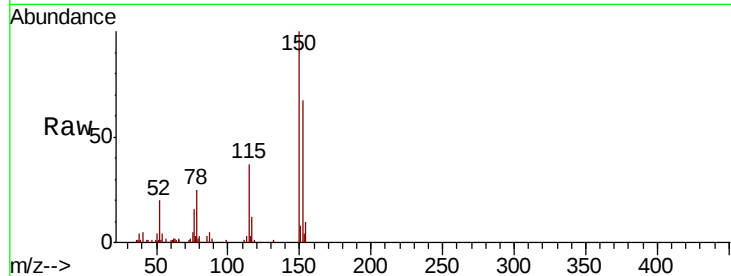


#1

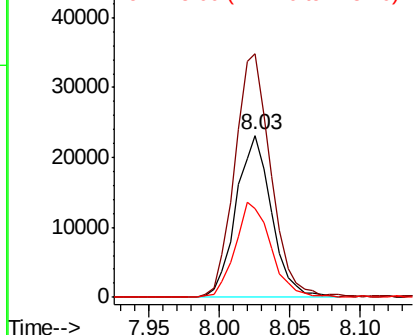
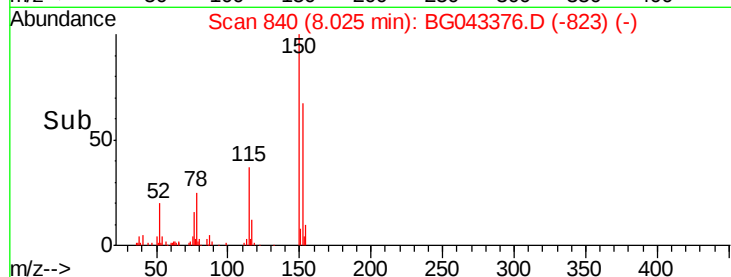
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043376.D
Acq: 29 Oct 2019 16:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	113.6	170.4
115	55.1	45.9	68.9



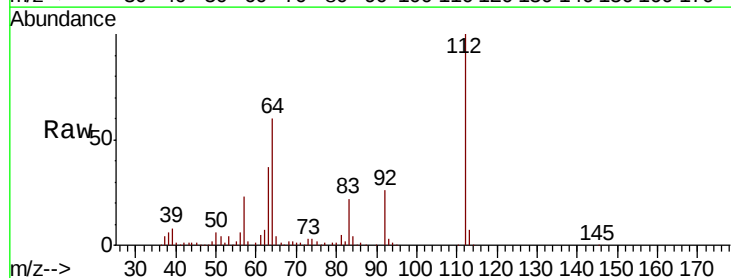
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



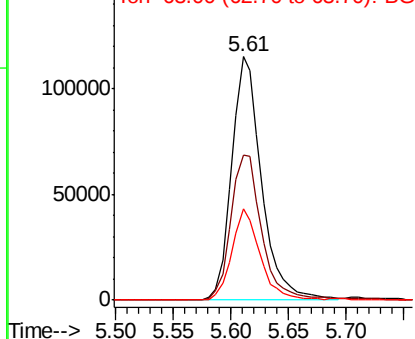
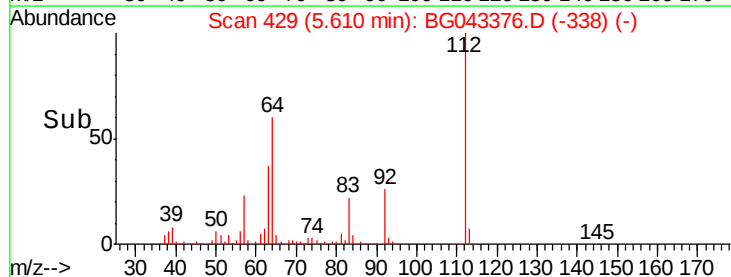
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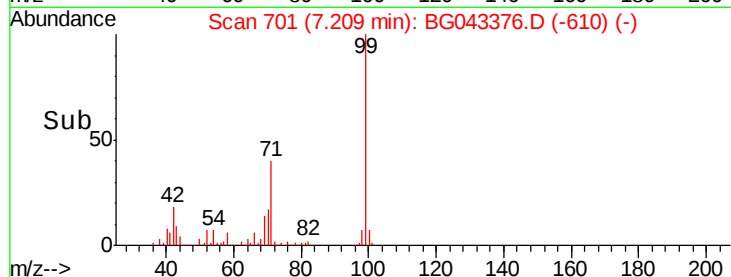
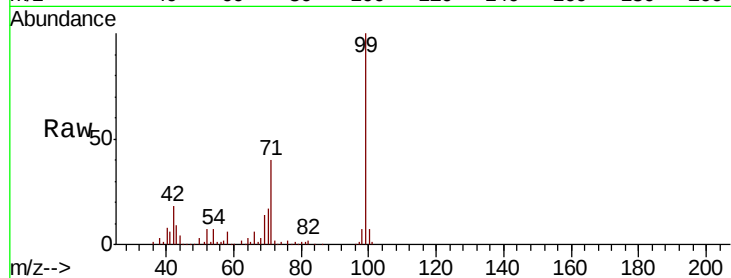
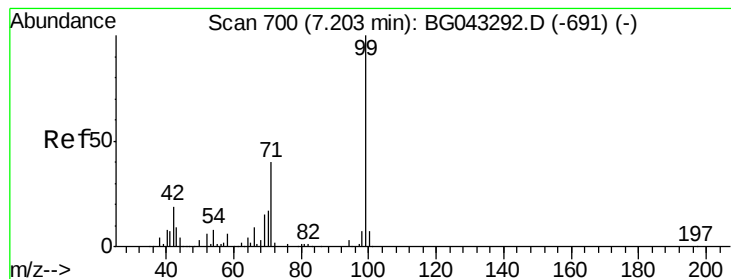
2-Fluorophenol
Concen: 93.039 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043376.D
Acq: 29 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	50.2	75.2
63	37.3	26.7	40.1



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: 93.161 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043376.D

Acq: 29 Oct 2019 16:23

Instrument :

BNA_G

ClientSampleId :

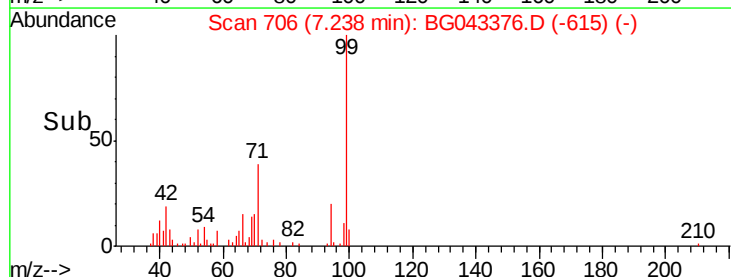
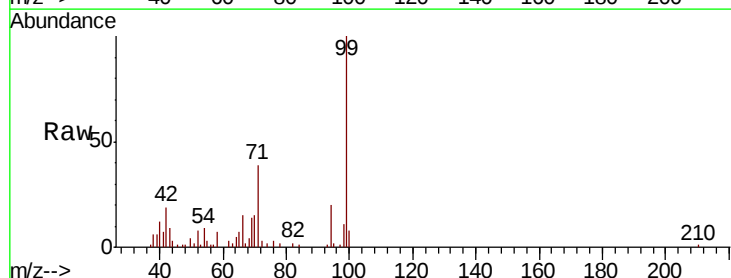
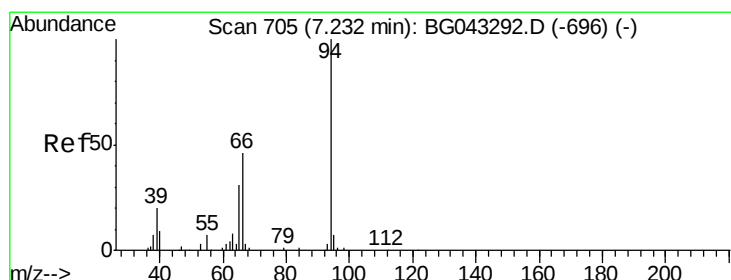
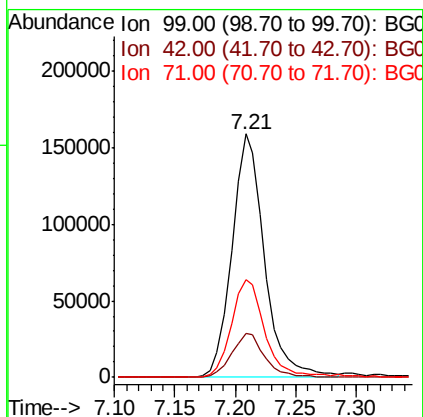
Tot Ion: 99 Resp: 297575

Ion Ratio Lower Upper

99 100

42 17.9 14.9 22.3

71 39.9 32.2 48.2



#10

Phenol

Concen: 2.512 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BG043376.D

Acq: 29 Oct 2019 16:23

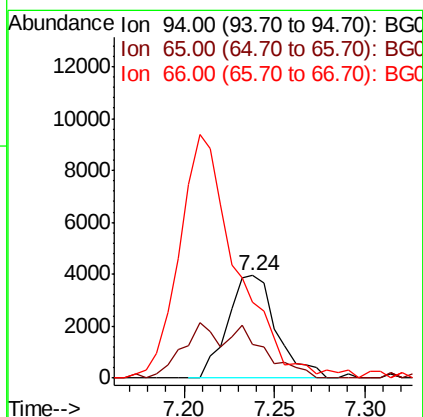
Tgt Ion: 94 Resp: 7332

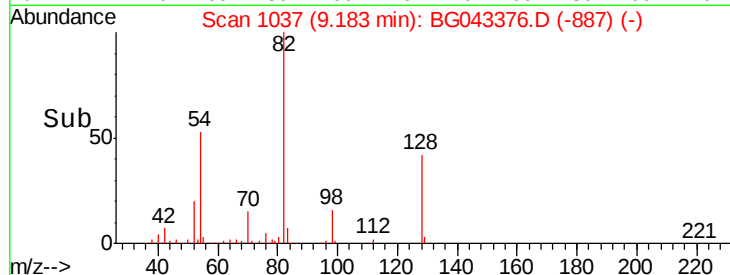
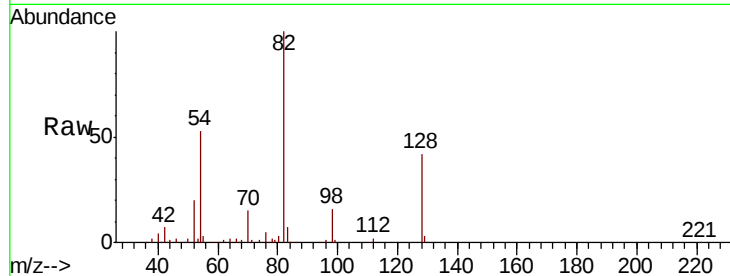
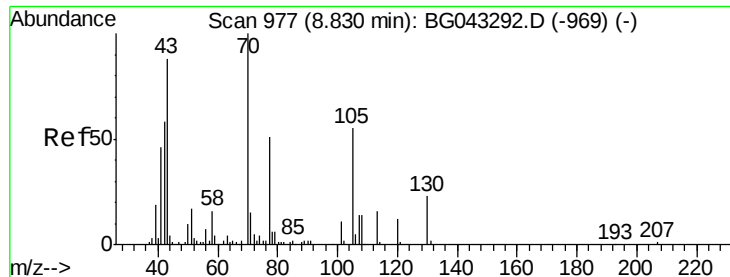
Ion Ratio Lower Upper

94 100

65 33.5 11.1 51.1

66 74.2 27.8 67.8#

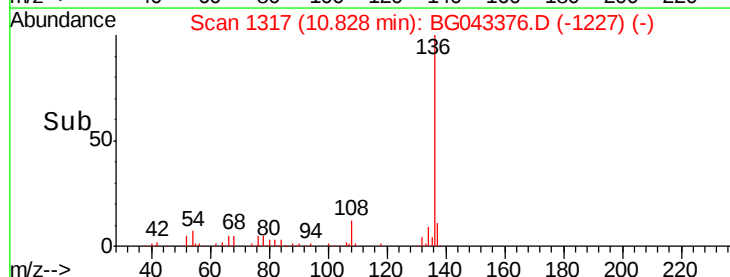
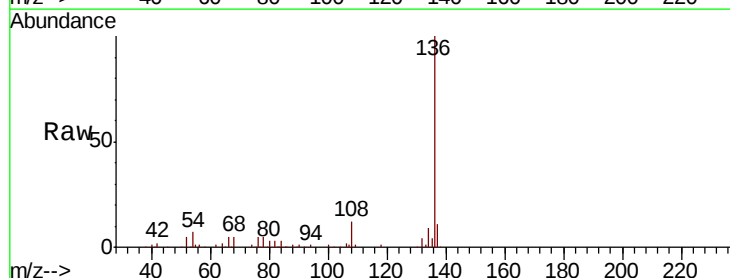
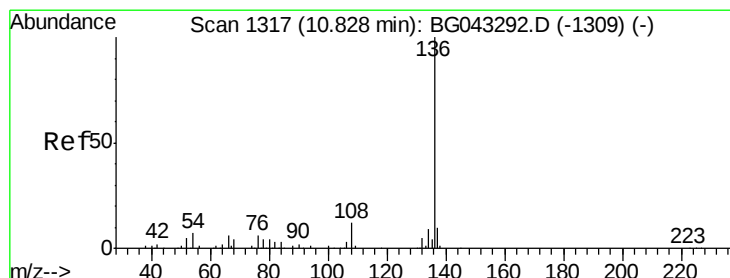
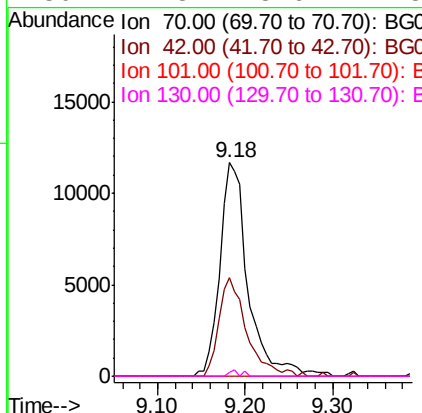




#19
n-Nitroso-di-n-propylamine
Concen: 12.569 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.35 min
Lab File: BG043376.D
Acq: 29 Oct 2019 16:23

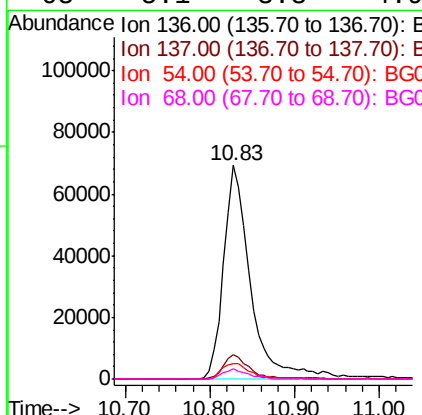
Instrument :
BNA_G
ClientSampleId :

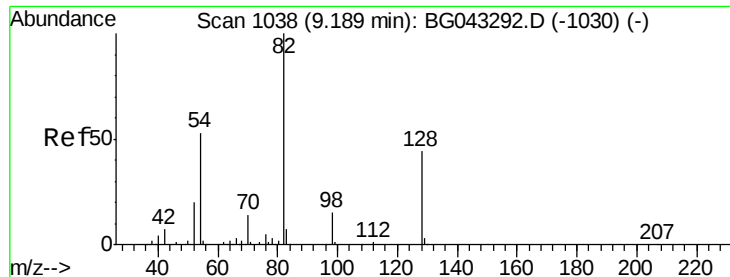
Tot Ion: 70 Resp: 25943
Ion Ratio Lower Upper
70 100
42 46.4 46.2 69.2
101 0.0 8.6 13.0#
130 1.8 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043376.D
Acq: 29 Oct 2019 16:23

Tgt Ion:136 Resp: 152784
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.2
54 7.0 5.4 8.2
68 5.1 3.3 4.9#

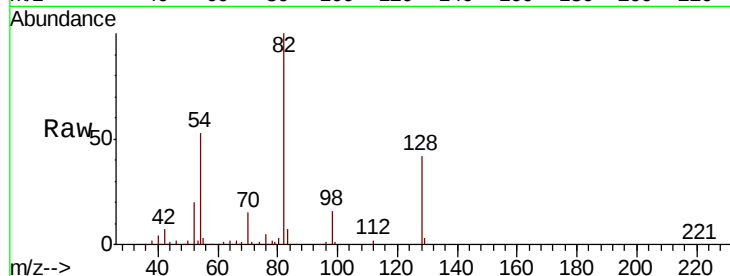




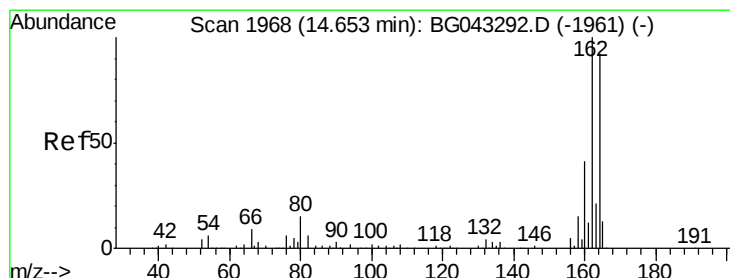
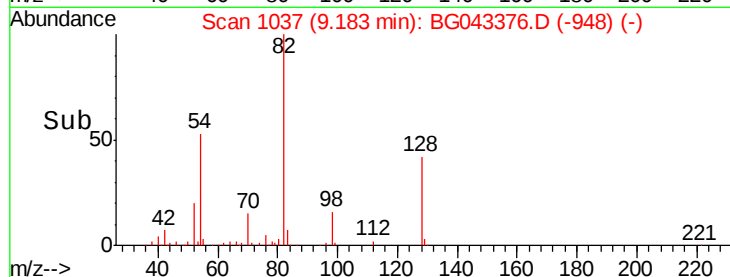
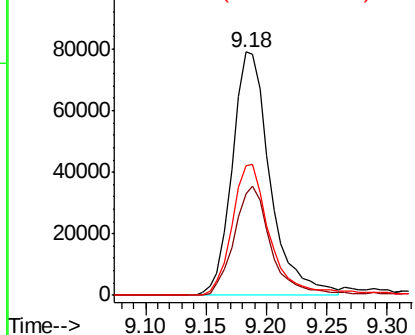
#23
 Nitrobenzene-d5
 Concen: 58.409 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BG043376.D
 Acq: 29 Oct 2019 16:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	173097
Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.3	52.9
54	53.1	42.3	63.5

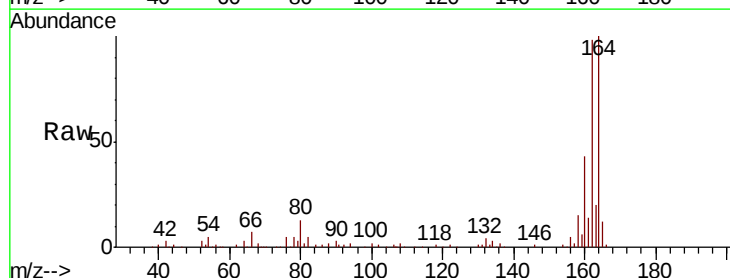


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

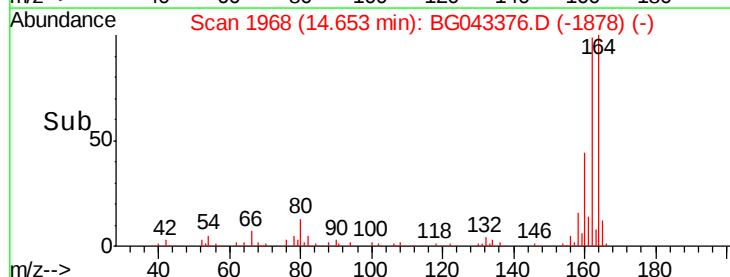
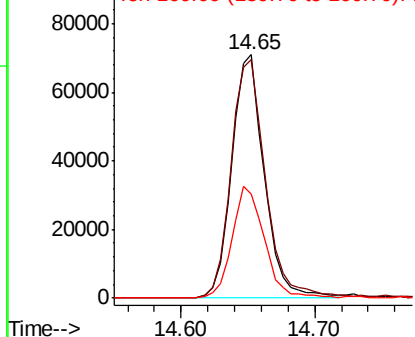


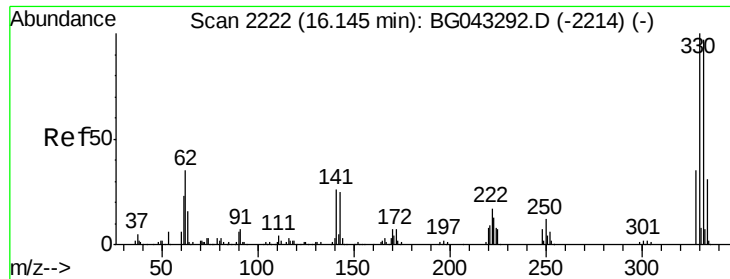
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG043376.D
 Acq: 29 Oct 2019 16:23

Tgt Ion	164	Resp	120237
Ion	Ratio	Lower	Upper
164	100		
162	98.0	87.0	130.4
160	42.9	35.5	53.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

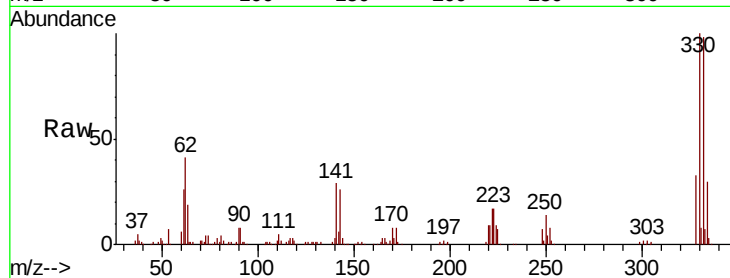




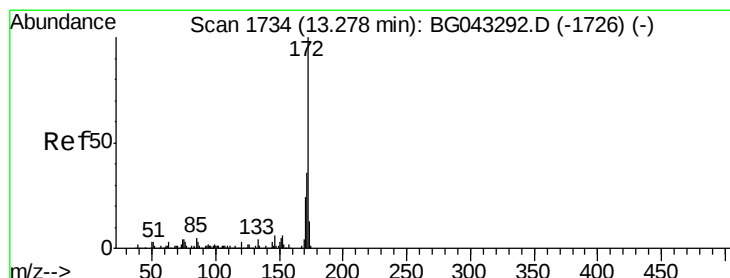
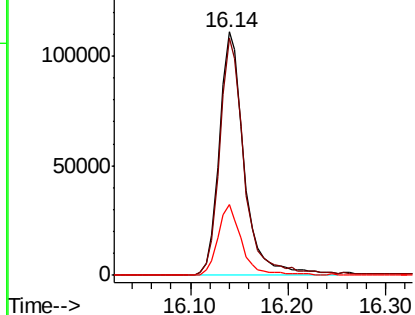
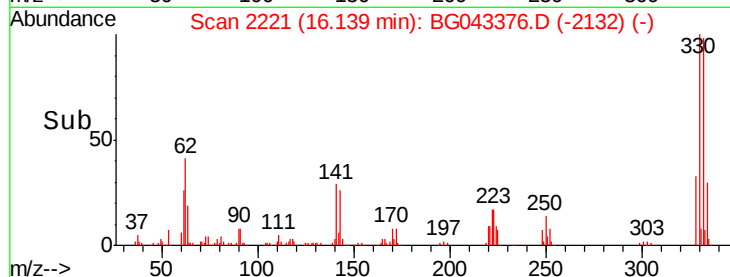
#42
 2,4,6-Tribromophenol
 Concen: 86.038 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043376.D
 Acq: 29 Oct 2019 16:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	330	Resp	196865
Ion Ratio	100		
Lower	76.4		
Upper	114.6		
332	94.6		
141	27.9		
	21.4		
	32.0		

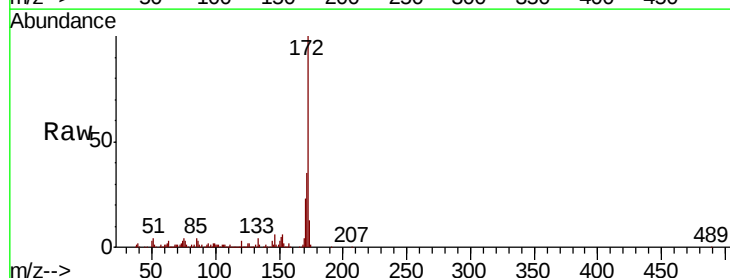


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

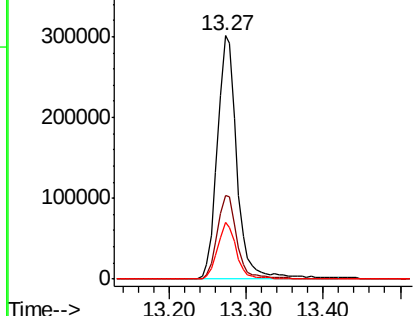
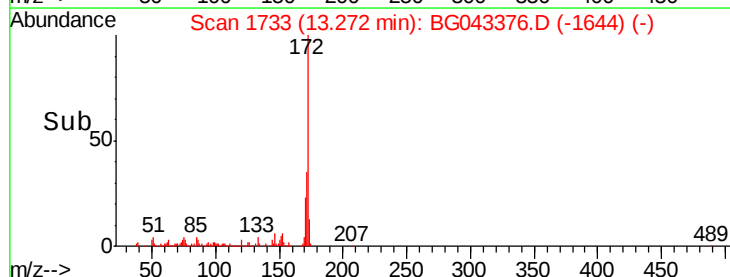


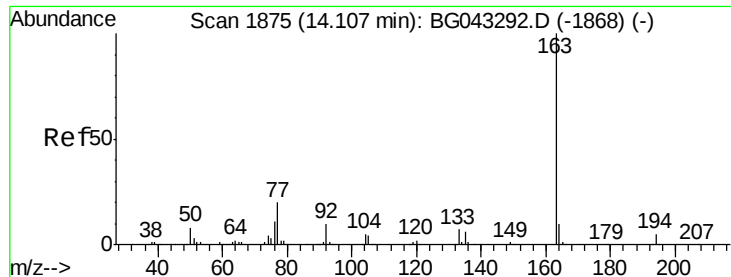
#45
 2-Fluorobiphenyl
 Concen: 61.121 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043376.D
 Acq: 29 Oct 2019 16:23

Tgt Ion	172	Resp	531843
Ion Ratio	100		
Lower	28.5		
Upper	42.7		
171	34.6		
170	23.3		
	18.8		
	28.2		



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

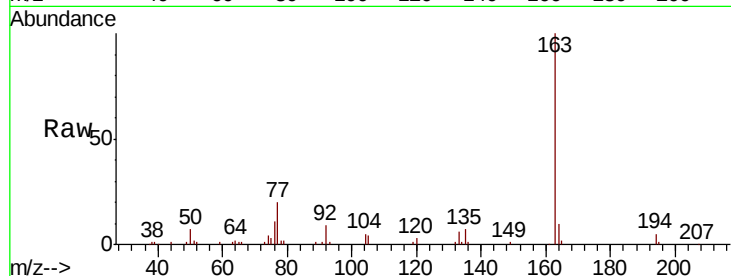




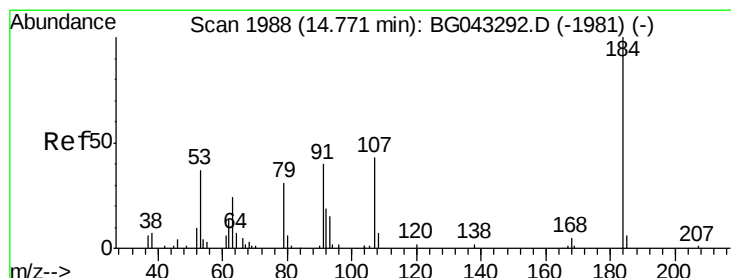
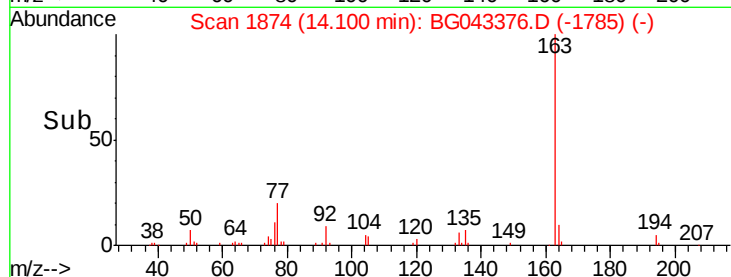
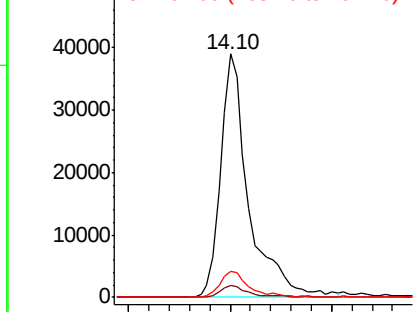
#50
Dimethylphthalate
Concen: 8.091 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043376.D
Acq: 29 Oct 2019 16:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 75352
Ion Ratio Lower Upper
163 100
194 4.7 3.7 5.5
164 10.5 8.1 12.1

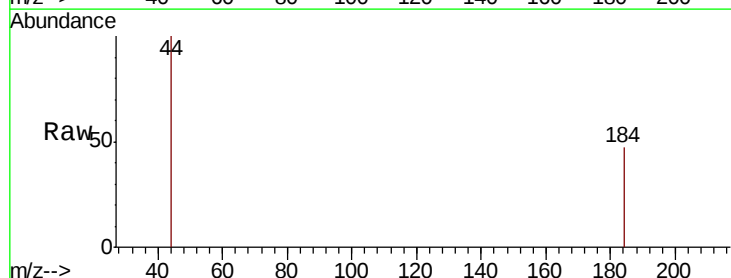


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

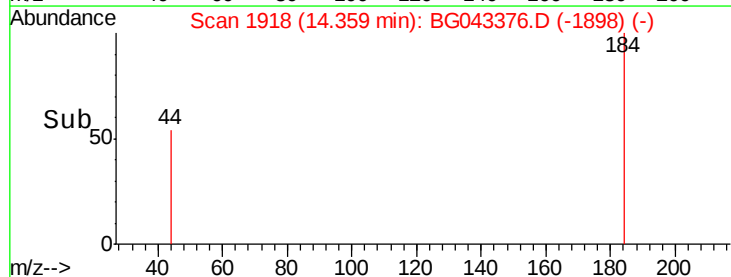
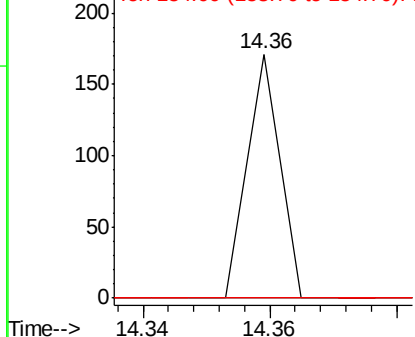


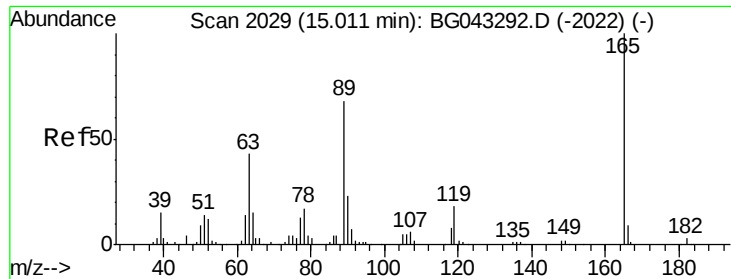
#54
2,4-Dinitrophenol
Concen: 7.326 ng
RT: 14.36 min Scan# 1918
Delta R.T. -0.41 min
Lab File: BG043376.D
Acq: 29 Oct 2019 16:23

Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 48.8 73.2#
154 0.0 49.4 74.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

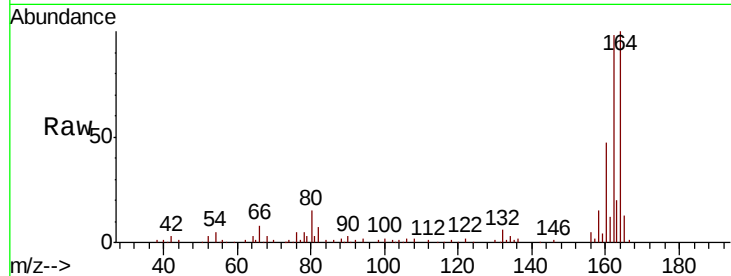




#57
 2,4-Dinitrotoluene
 Concen: 5.536 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043376.D
 Acq: 29 Oct 2019 16:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	3.3	54.1	81.1#
182	0.0	2.2	3.2#

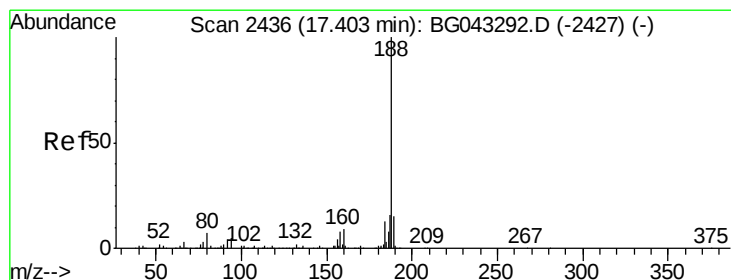
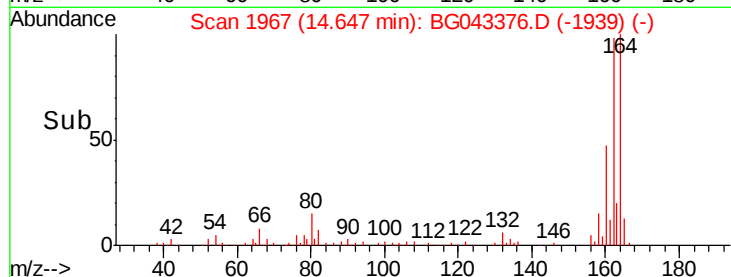
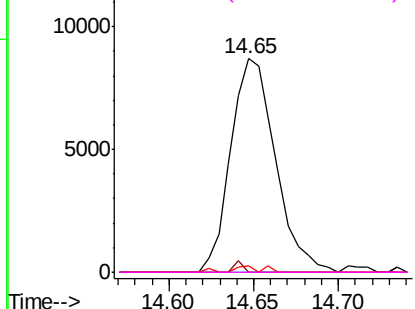


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

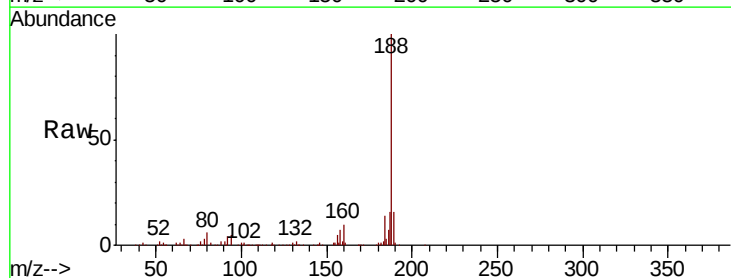
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043376.D
 Acq: 29 Oct 2019 16:23

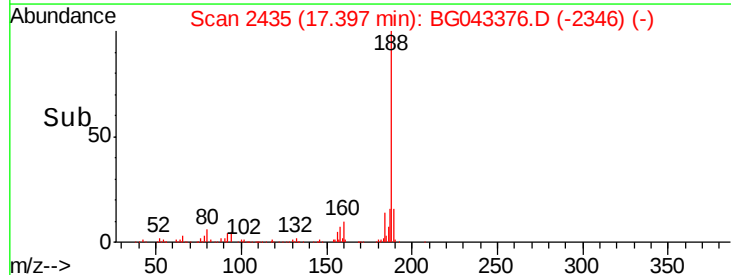
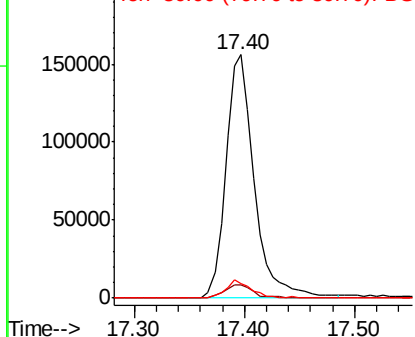
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.2	6.2
80	6.0	5.2	7.8

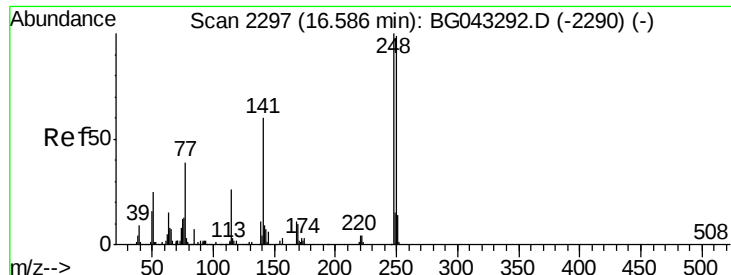


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

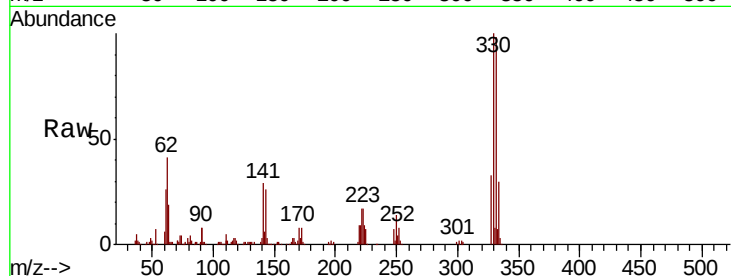




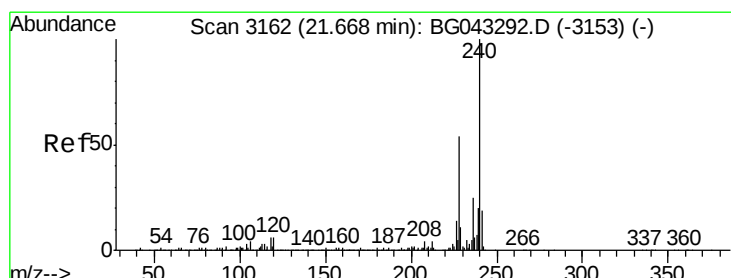
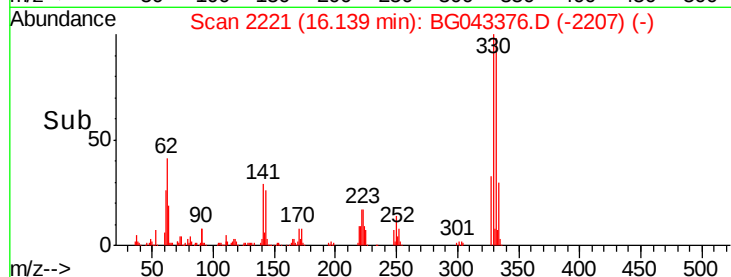
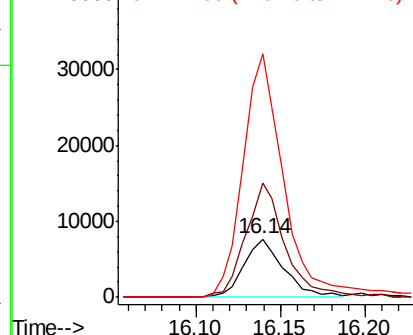
#67
4-Bromophenyl-phenylether
Concen: 3.373 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG043376.D
Acq: 29 Oct 2019 16:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12755
Ion Ratio Lower Upper
248 100
250 194.5 79.3 118.9#
141 415.3 47.9 71.9#

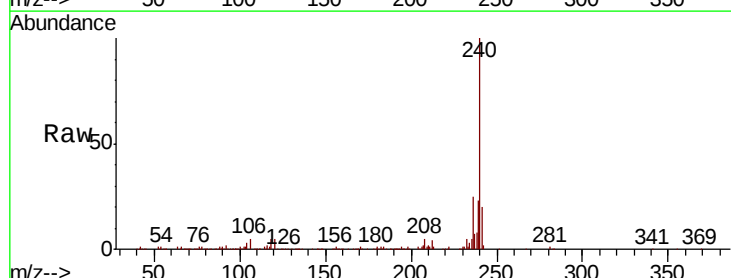


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

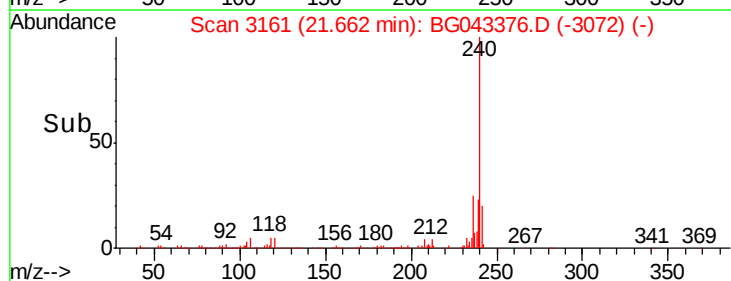
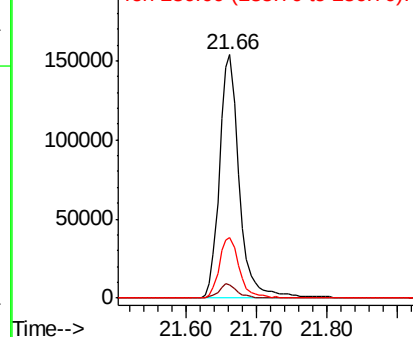


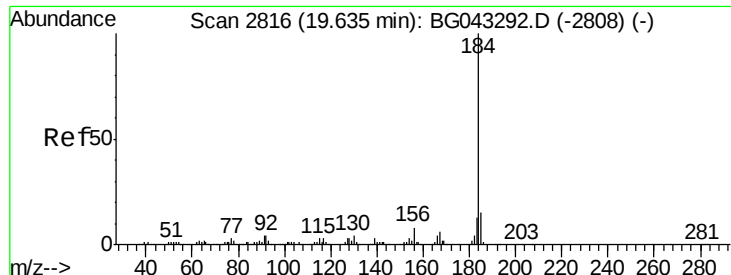
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043376.D
Acq: 29 Oct 2019 16:23

Tgt Ion:240 Resp: 300630
Ion Ratio Lower Upper
240 100
120 5.4 4.6 7.0
236 24.6 20.2 30.4



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: 2.468 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.36 min

Lab File: BG043376.D

Acq: 29 Oct 2019 16:23

Instrument :

BNA_G

ClientSampleId :

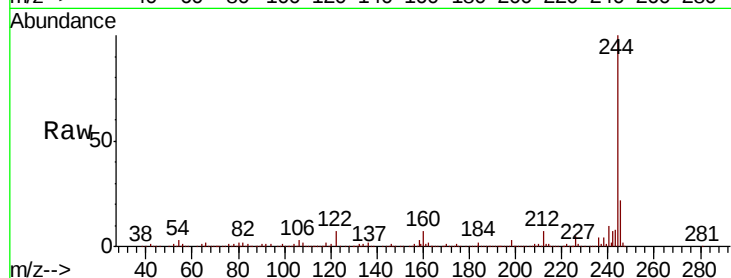
Tot Ion:184 Resp: 14930

Ion Ratio Lower Upper

184 100

185 15.5 11.8 17.6

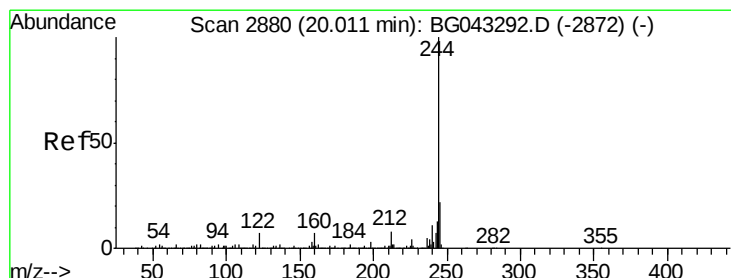
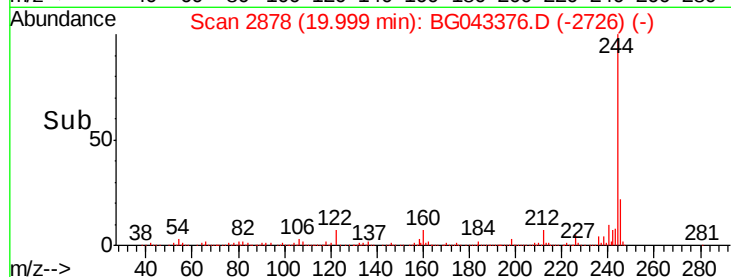
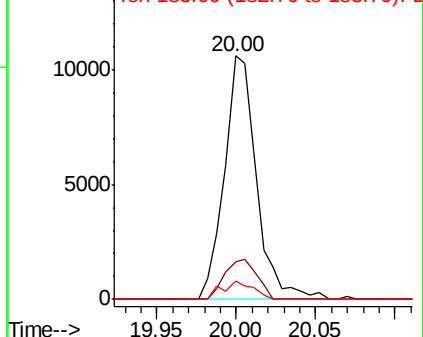
183 7.6 10.6 16.0#



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: 63.798 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043376.D

Acq: 29 Oct 2019 16:23

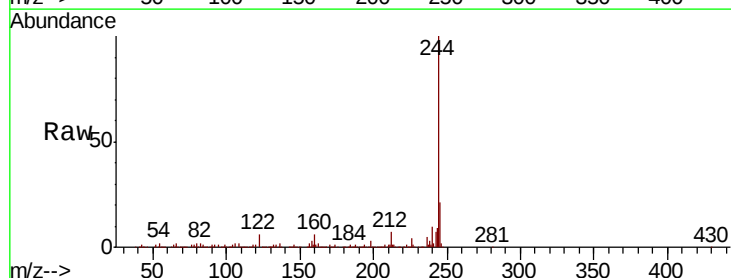
Tgt Ion:244 Resp: 1022340

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

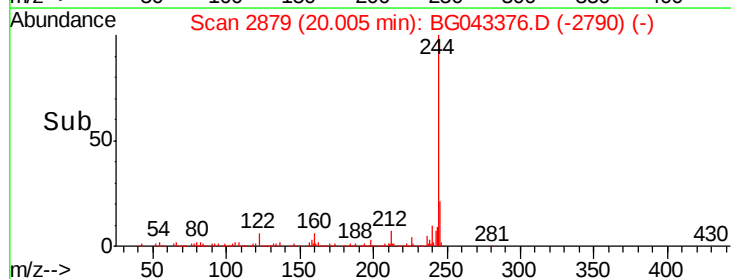
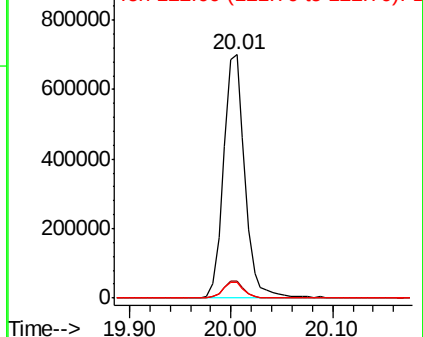
122 6.5 5.3 7.9

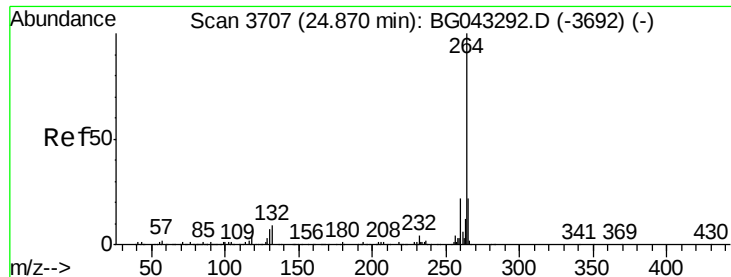


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.86 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG043376.D
 Acq: 29 Oct 2019 16:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.9	26.9
265	22.5	17.4	26.2

