

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043433.D
 Acq On : 31 Oct 2019 13:25
 Operator : JU
 Sample : K5599-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 14:01:21 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

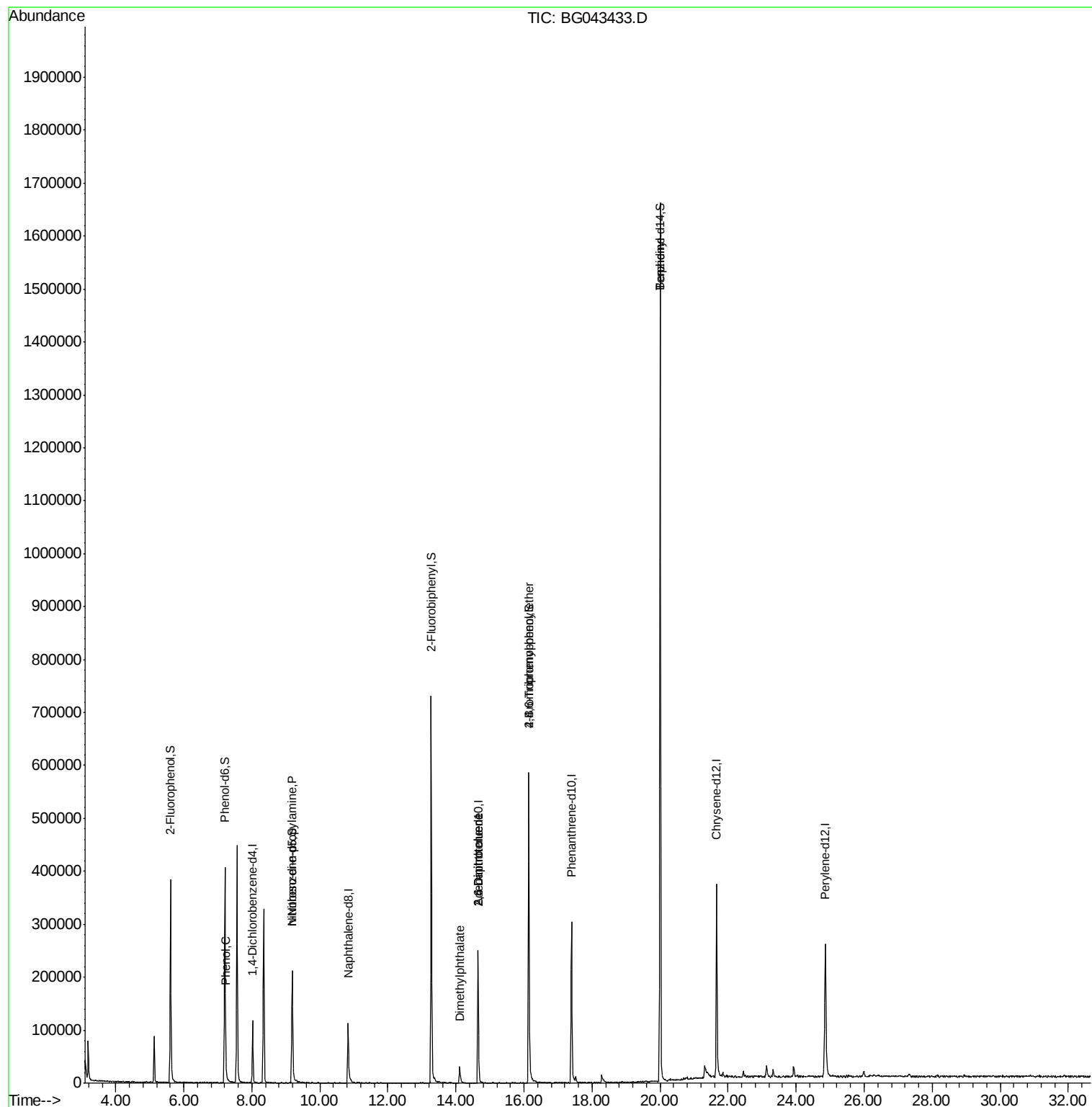
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	35910	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	131767	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	99563	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	242695	20.00	ng	0.00
76) Chrysene-d12	21.66	240	268406	20.00	ng	0.00
87) Perylene-d12	24.86	264	307866	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	187531	95.69	ng	0.00
7) Phenol-d6	7.20	99	273688	97.07	ng	0.00
23) Nitrobenzene-d5	9.18	82	155946	61.01	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	166675	87.97	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	459320	63.75	ng	0.00
79) Terphenyl-d14	20.00	244	958346	66.98	ng	-0.01
Target Compounds						
10) Phenol	7.23	94	5450	2.115	ng	# 65
19) n-Nitroso-di-n-propylamine	9.18	70	21252	11.665	ng	# 80
50) Dimethylphthalate	14.11	163	34449	4.467	ng	# 94
51) 2,6-Dinitrotoluene	14.65	165	13415	8.007	ng	# 23
57) 2,4-Dinitrotoluene	14.65	165	13414	5.602	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	10070	3.083	ng	# 1
77) Benzidine	20.00	184	13185	2.441	ng	# 90

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

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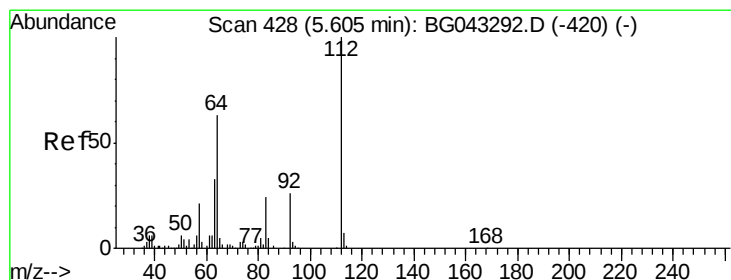
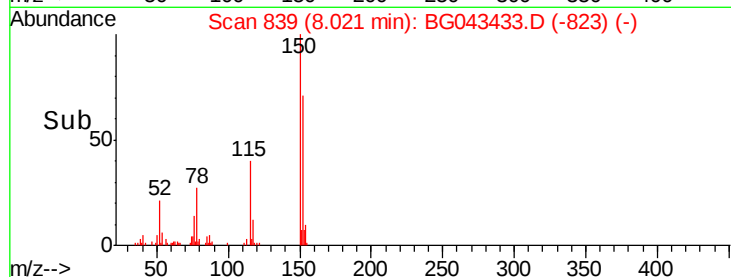
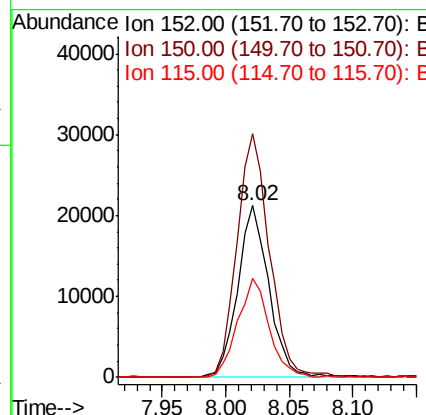
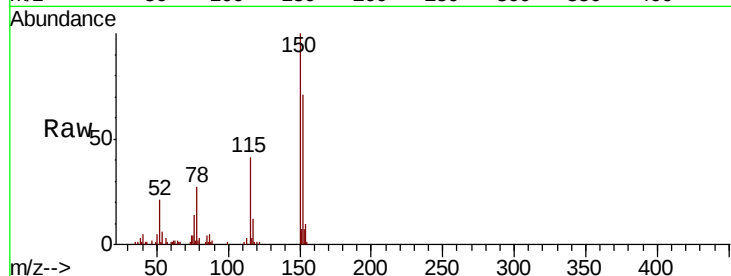


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.00 min
Lab File: BG043433.D
Acq: 31 Oct 2019 13:25

Instrument :
BNA_G
ClientSampleId :

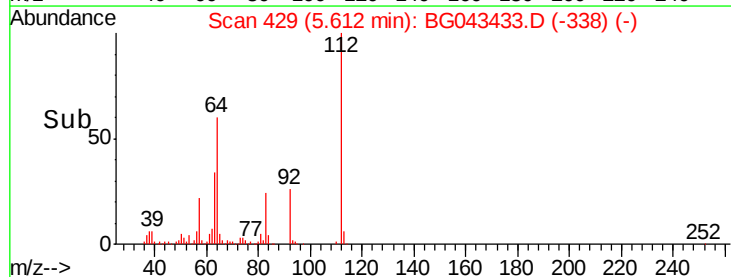
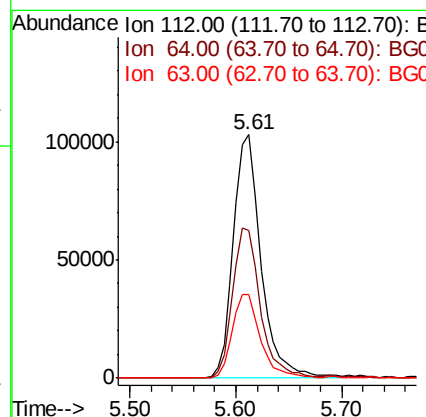
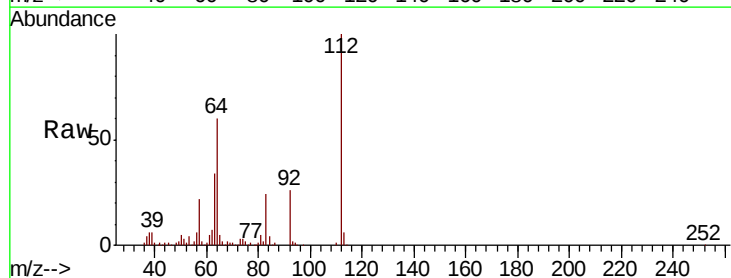
Tot Ion	Ratio	Lower	Upper
152	100		
150	141.8	113.6	170.4
115	57.5	45.9	68.9



#5

2-Fluorophenol
Concen: 95.695 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG043433.D
Acq: 31 Oct 2019 13:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	50.2	75.2
63	34.1	26.7	40.1





#7

Phenol-d6

Concen: 97.069 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043433.D

Acq: 31 Oct 2019 13:25

Instrument :

BNA_G

ClientSampleId :

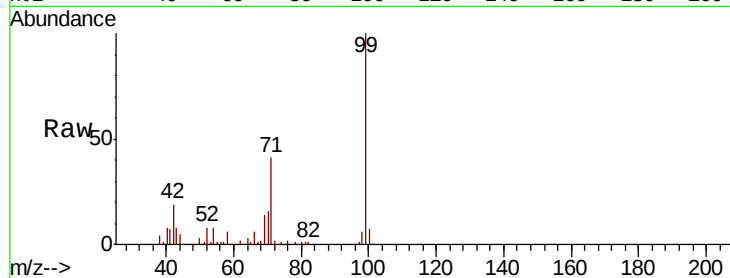
Tot Ion: 99 Resp: 273688

Ion Ratio Lower Upper

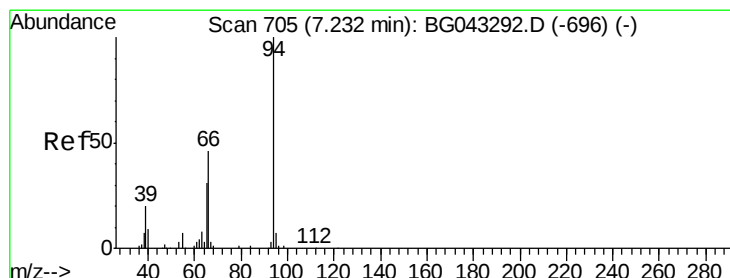
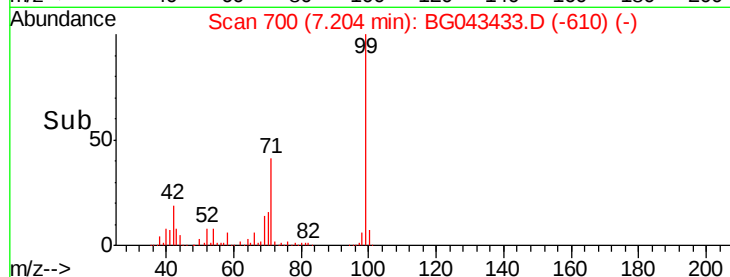
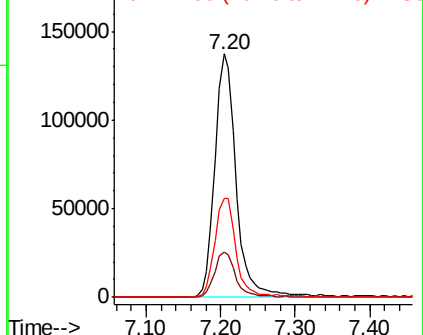
99 100

42 18.6 14.9 22.3

71 40.8 32.2 48.2



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



#10

Phenol

Concen: 2.115 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG043433.D

Acq: 31 Oct 2019 13:25

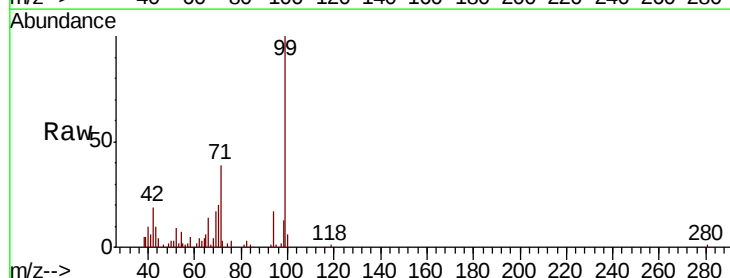
Tgt Ion: 94 Resp: 5450

Ion Ratio Lower Upper

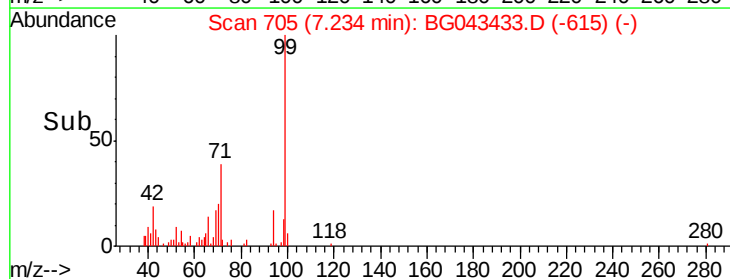
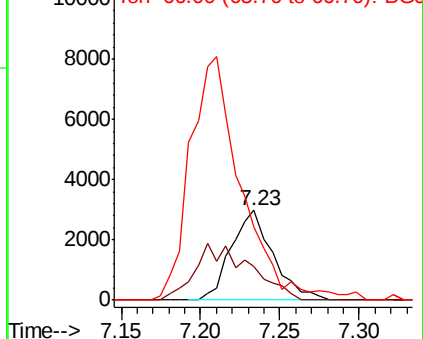
94 100

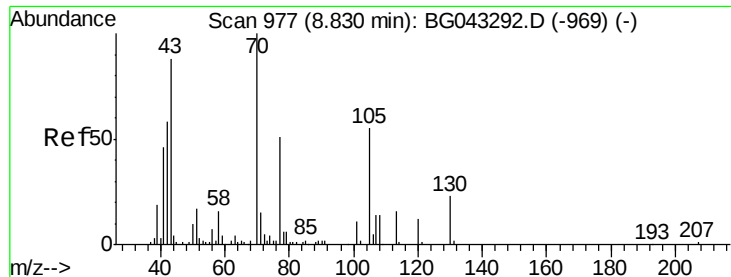
65 37.5 11.1 51.1

66 81.1 27.8 67.8#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 11.665 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG043433.D

Acq: 31 Oct 2019 13:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 21252

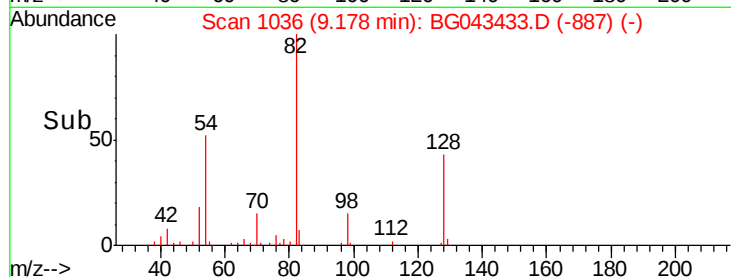
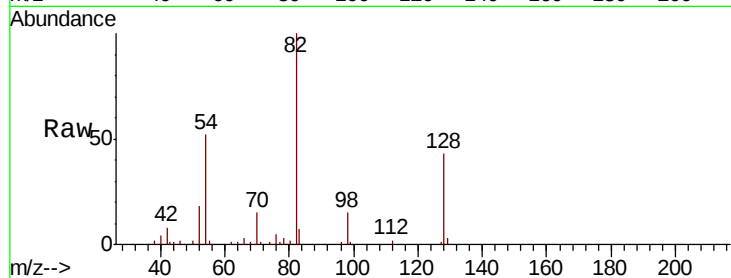
Ion Ratio Lower Upper

70 100

42 50.8 46.2 69.2

101 0.0 8.6 13.0#

130 2.4 18.6 27.8#

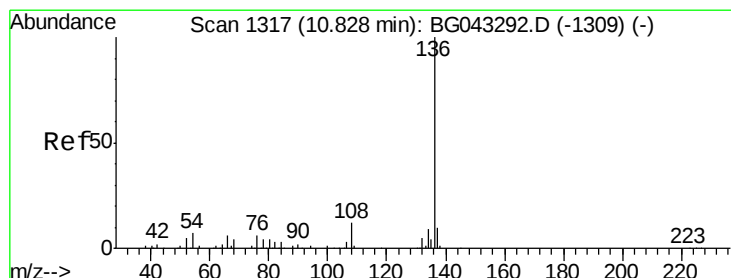
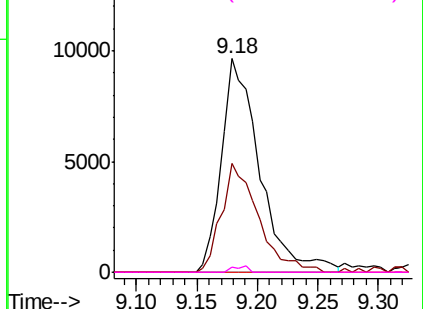


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG043433.D

Acq: 31 Oct 2019 13:25

Tgt Ion: 136 Resp: 131767

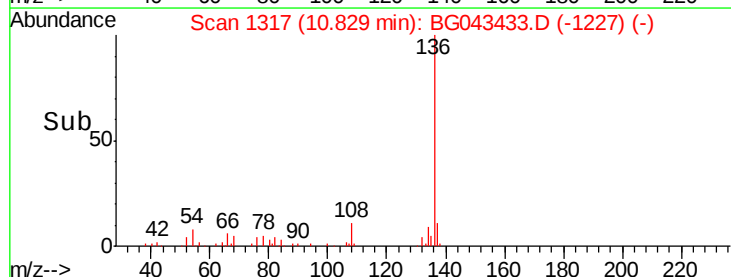
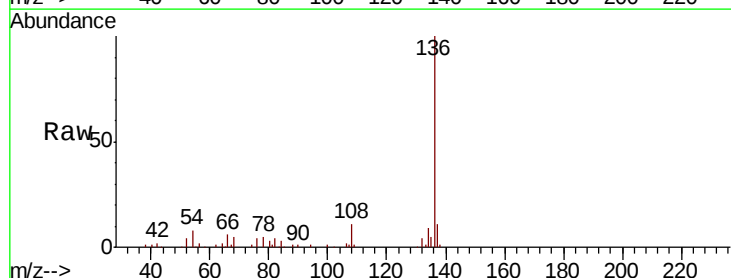
Ion Ratio Lower Upper

136 100

137 10.6 8.2 12.2

54 7.7 5.4 8.2

68 4.7 3.3 4.9

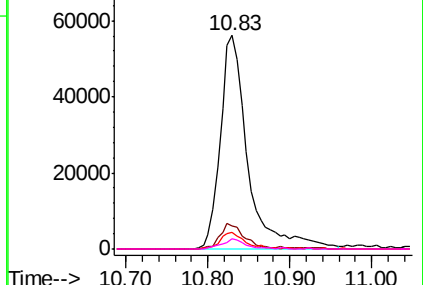


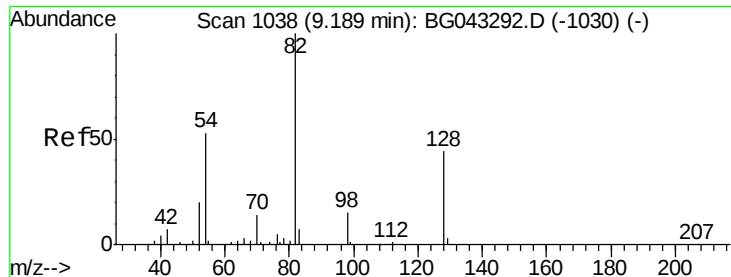
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

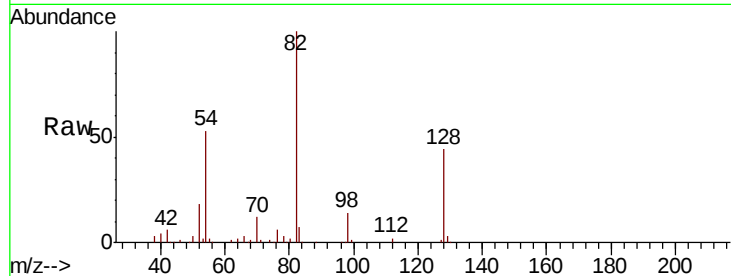




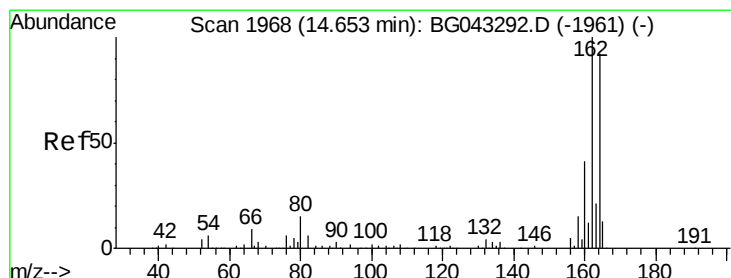
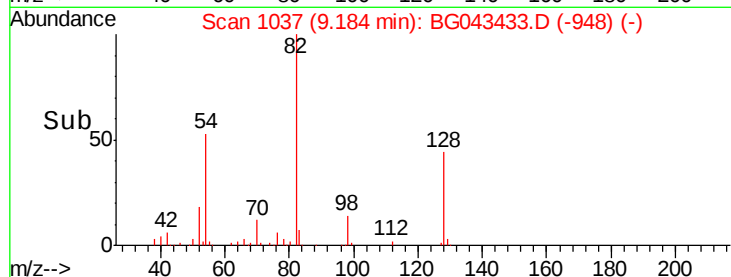
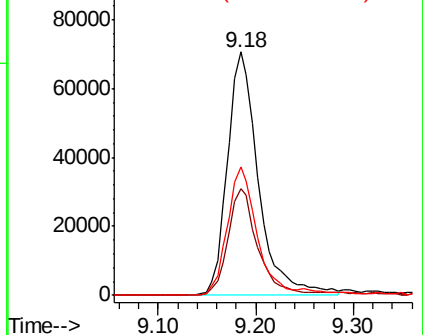
#23
Nitrobenzene-d5
Concen: 61.015 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG043433.D
Acq: 31 Oct 2019 13:25

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	155946
Ion Ratio	Lower	Upper	
82	100		
128	43.9	35.3	52.9
54	52.7	42.3	63.5

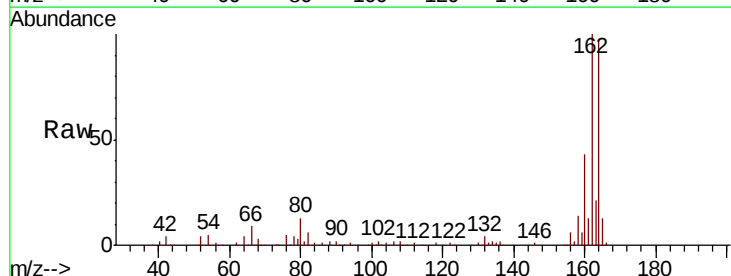


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

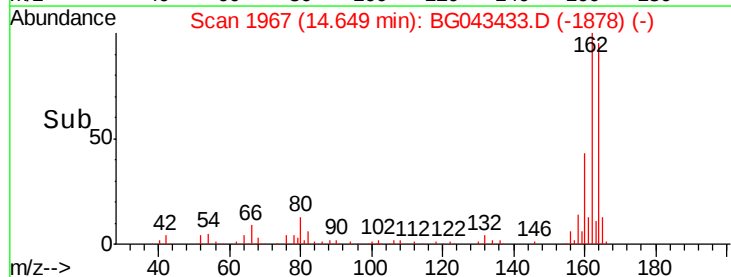
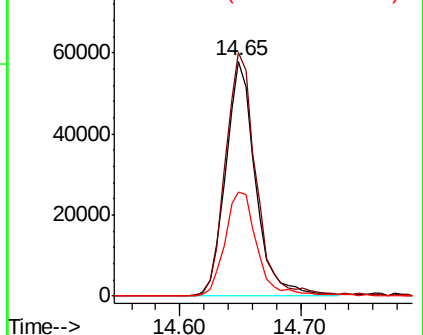


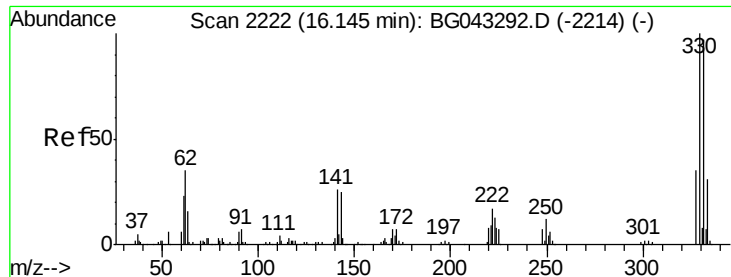
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BG043433.D
Acq: 31 Oct 2019 13:25

Tgt Ion	164	Resp	99563
Ion Ratio	Lower	Upper	
164	100		
162	103.5	87.0	130.4
160	44.4	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

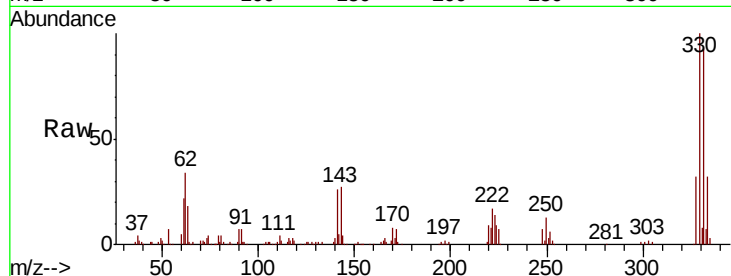




#42
 2,4,6-Tribromophenol
 Concen: 87.970 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.00 min
 Lab File: BG043433.D
 Acq: 31 Oct 2019 13:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	330	Resp	166675
Ion Ratio	100		
Lower	76.4		
Upper	114.6		
332	93.5		
141	26.8		
	21.4		
	32.0		

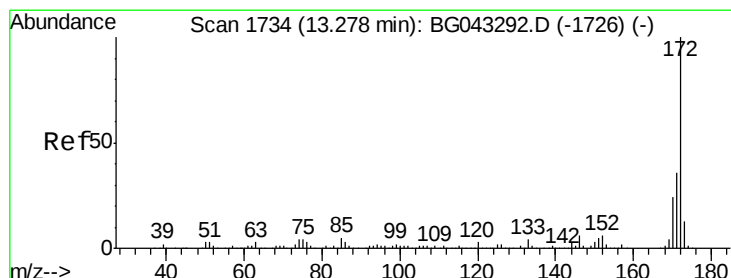
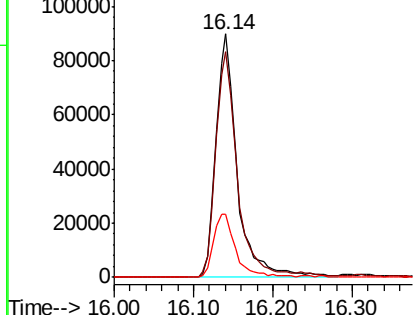
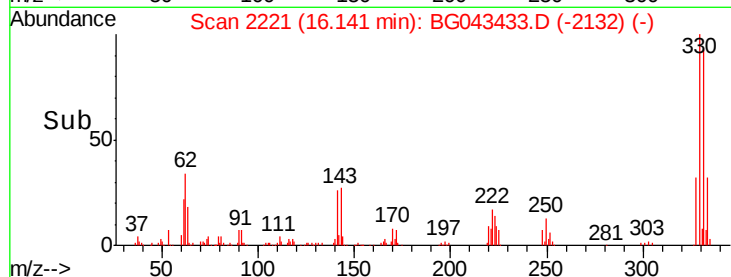


Abundance

Ion 329.80 (329.50 to 330.50): E

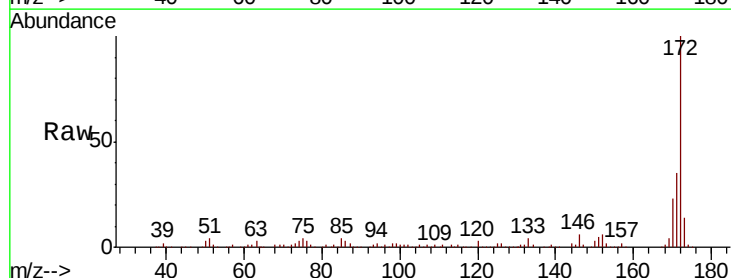
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 63.748 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BG043433.D
 Acq: 31 Oct 2019 13:25

Tgt Ion	172	Resp	459320
Ion Ratio	100		
Lower	28.5		
Upper	42.7		
171	35.2		
170	23.2		
	18.8		
	28.2		

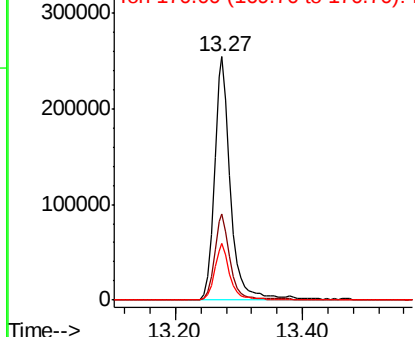
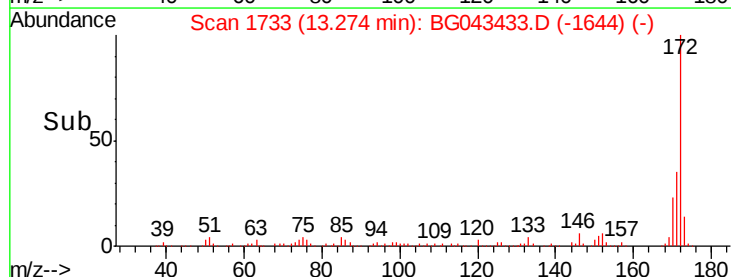


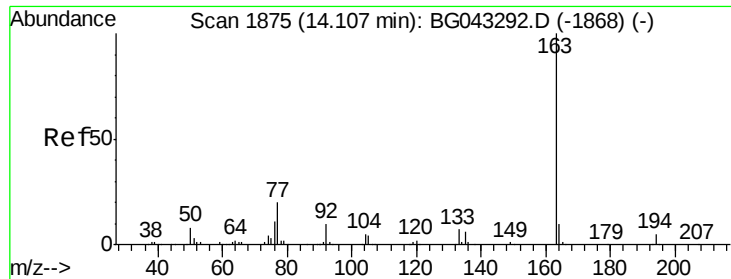
Abundance

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: 4.467 ng

RT: 14.11 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BG043433.D

Acq: 31 Oct 2019 13:25

Instrument :

BNA_G

ClientSampleId :

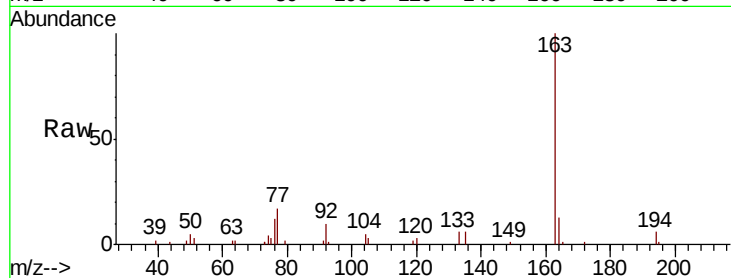
Tot Ion:163 Resp: 34449

Ion Ratio Lower Upper

163 100

194 5.9 3.7 5.5#

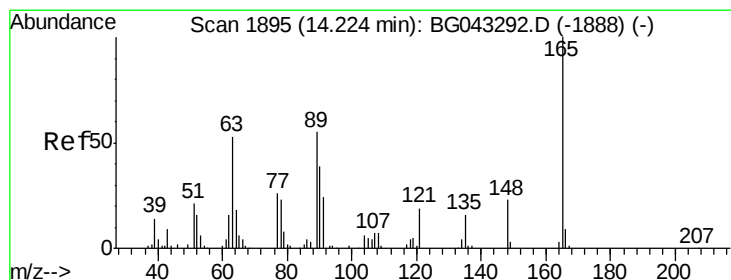
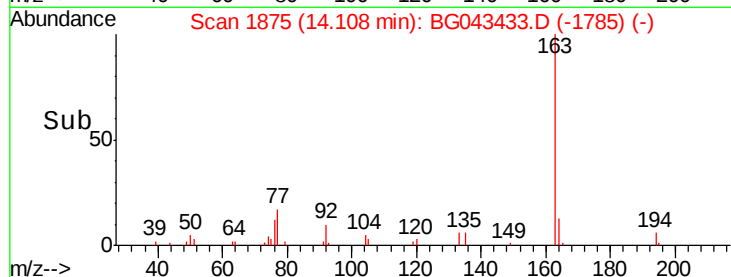
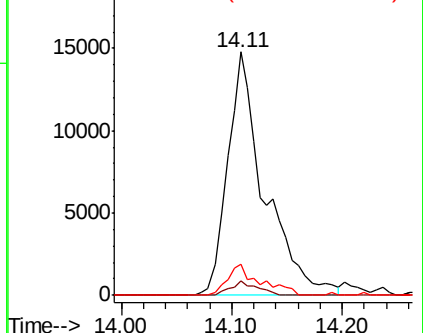
164 12.7 8.1 12.1#



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



#51

2,6-Dinitrotoluene

Concen: 8.007 ng

RT: 14.65 min Scan# 1967

Delta R.T. 0.42 min

Lab File: BG043433.D

Acq: 31 Oct 2019 13:25

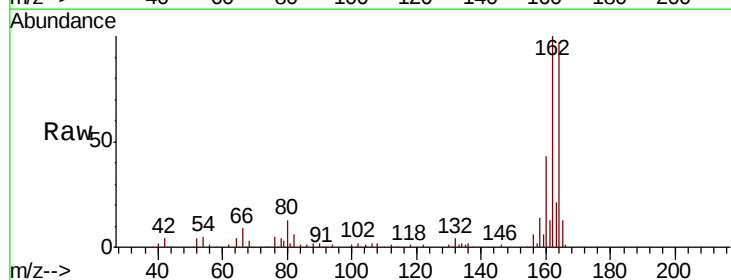
Tgt Ion:165 Resp: 13415

Ion Ratio Lower Upper

165 100

63 0.0 47.1 70.7#

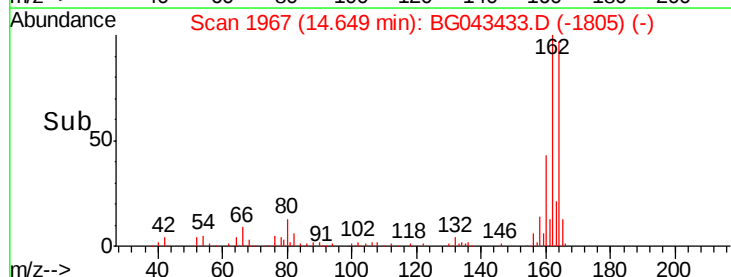
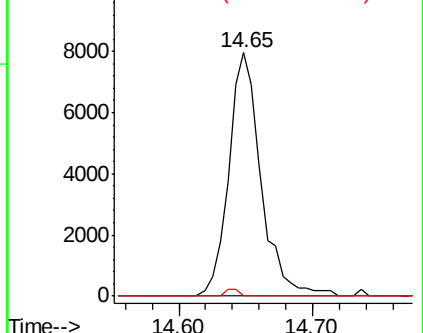
89 0.0 43.7 65.5#

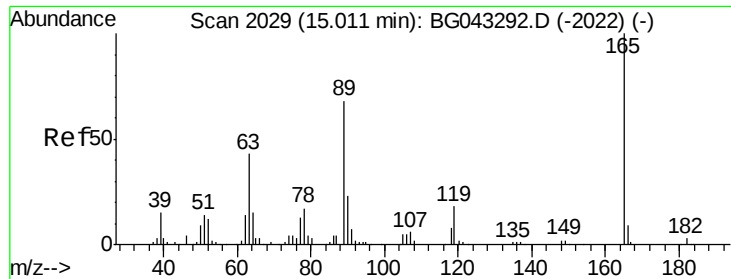


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

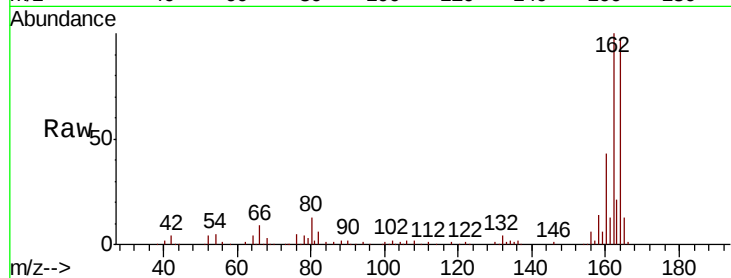




#57
 2,4-Dinitrotoluene
 Concen: 5.602 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043433.D
 Acq: 31 Oct 2019 13:25

Instrument :
 BNA_G
 ClientSampleId :

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



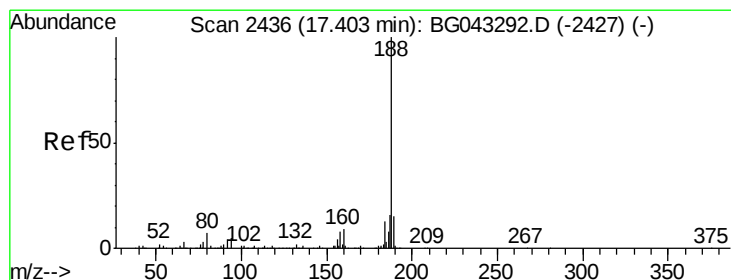
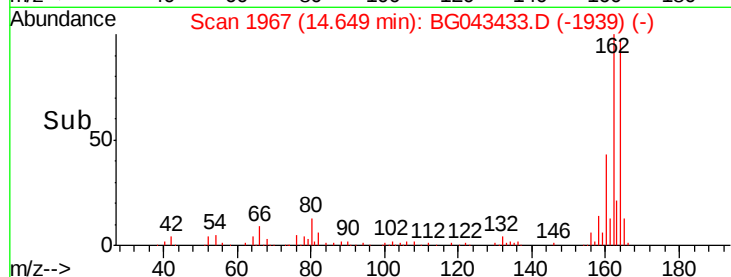
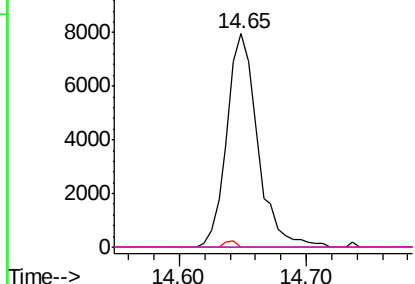
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

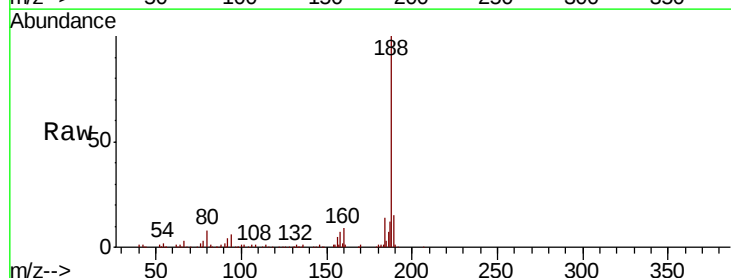
Ion 89.00 (88.70 to 89.70): BGC

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. -0.00 min
 Lab File: BG043433.D
 Acq: 31 Oct 2019 13:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.2	6.2
80	7.7	5.2	7.8

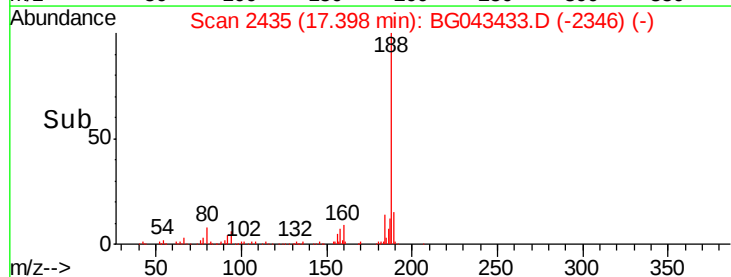
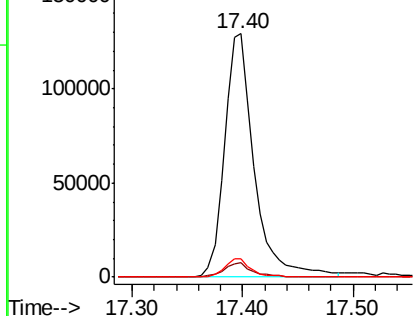


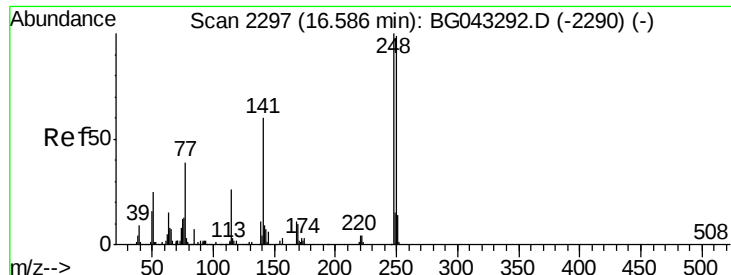
Abundance

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

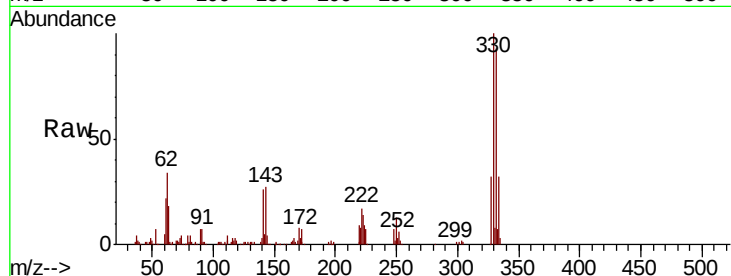




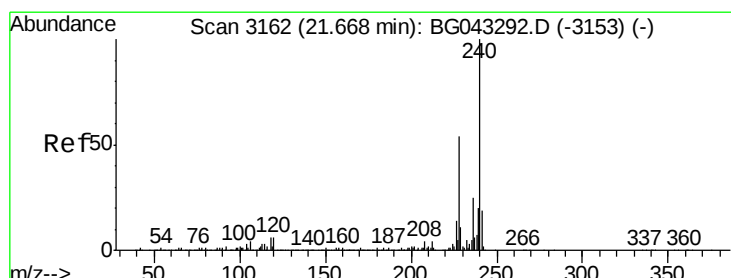
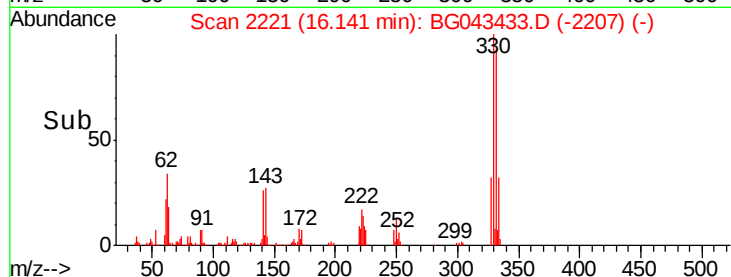
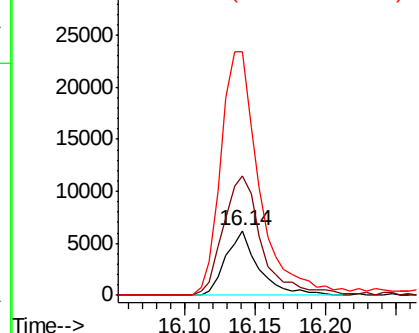
#67
4-Bromophenyl-phenylether
Concen: 3.083 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG043433.D
Acq: 31 Oct 2019 13:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10070
Ion Ratio Lower Upper
248 100
250 184.8 79.3 118.9#
141 374.9 47.9 71.9#

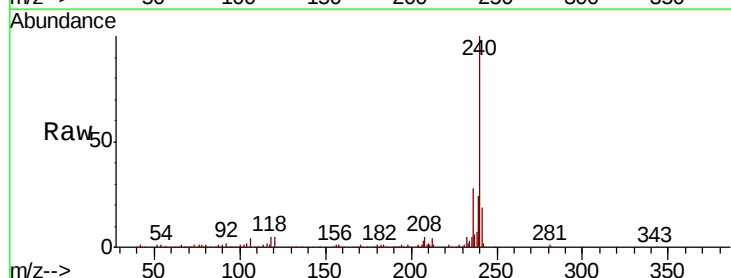


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

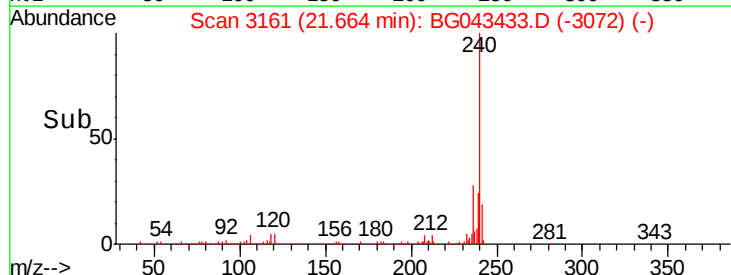
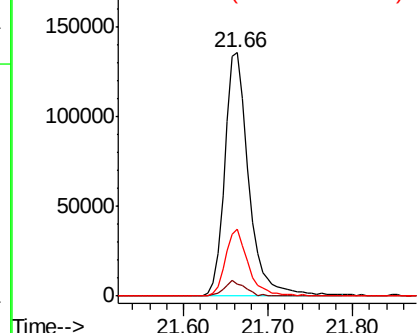


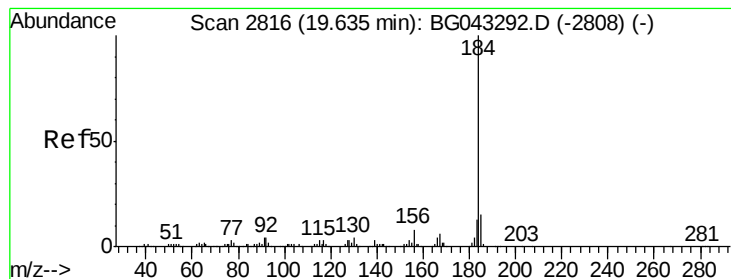
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BG043433.D
Acq: 31 Oct 2019 13:25

Tgt Ion:240 Resp: 268406
Ion Ratio Lower Upper
240 100
120 5.0 4.6 7.0
236 27.7 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: 2.441 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.37 min

Lab File: BG043433.D

Acq: 31 Oct 2019 13:25

Instrument :

BNA_G

ClientSampled :

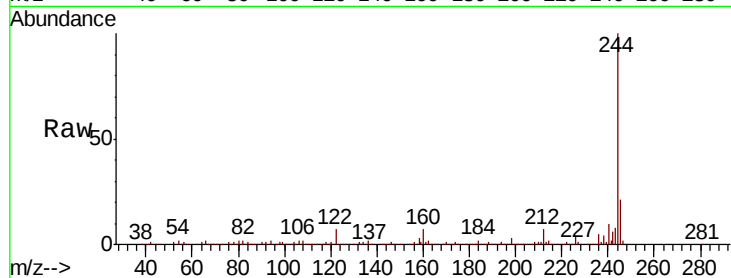
Tot Ion:184 Resp: 13185

Ion Ratio Lower Upper

184 100

185 16.8 11.8 17.6

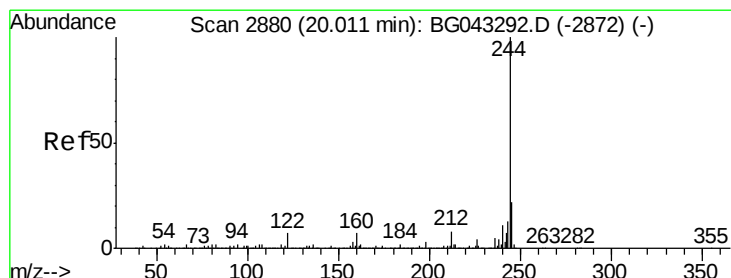
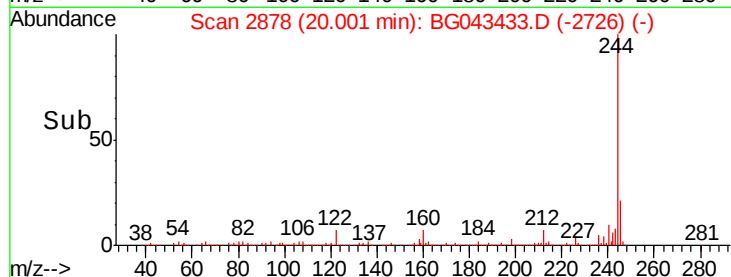
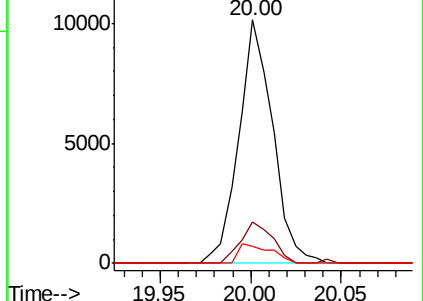
183 7.0 10.6 16.0#



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: 66.985 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG043433.D

Acq: 31 Oct 2019 13:25

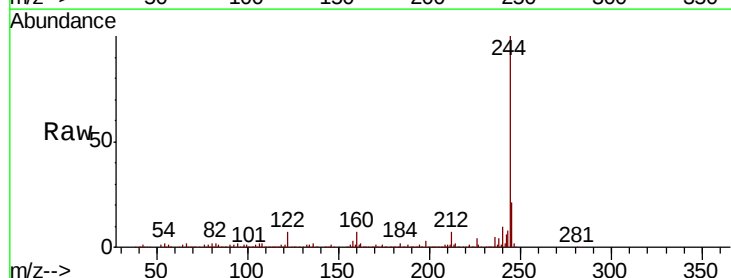
Tgt Ion:244 Resp: 958346

Ion Ratio Lower Upper

244 100

212 6.9 6.4 9.6

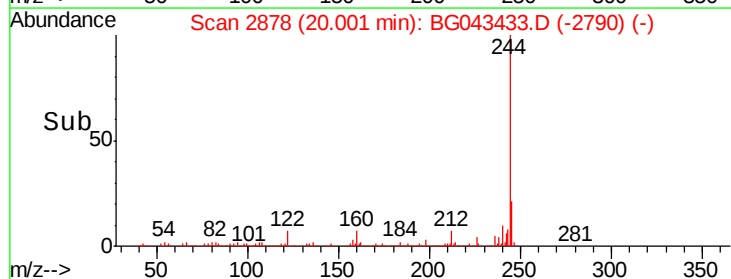
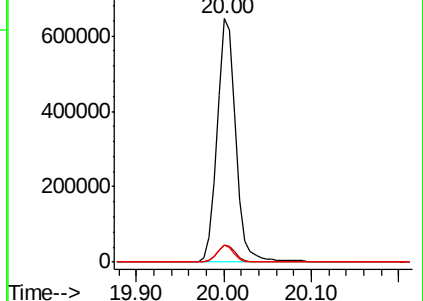
122 6.8 5.3 7.9

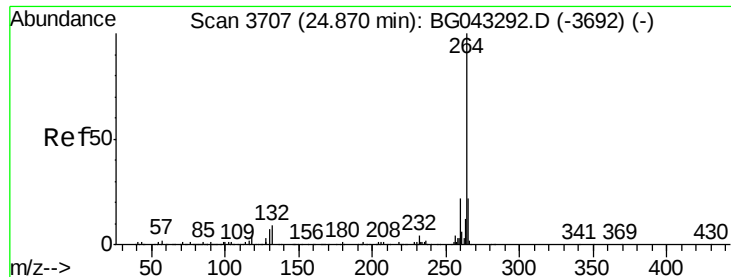


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

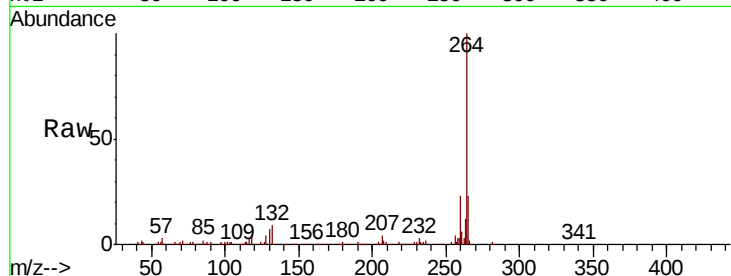




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG043433.D
 Acq: 31 Oct 2019 13:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 307866
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.9 26.9
 265 22.6 17.4 26.2



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

