

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112019\
 Data File : BG043741.D
 Acq On : 20 Nov 2019 23:41
 Operator : JU
 Sample : K5933-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 00:37:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

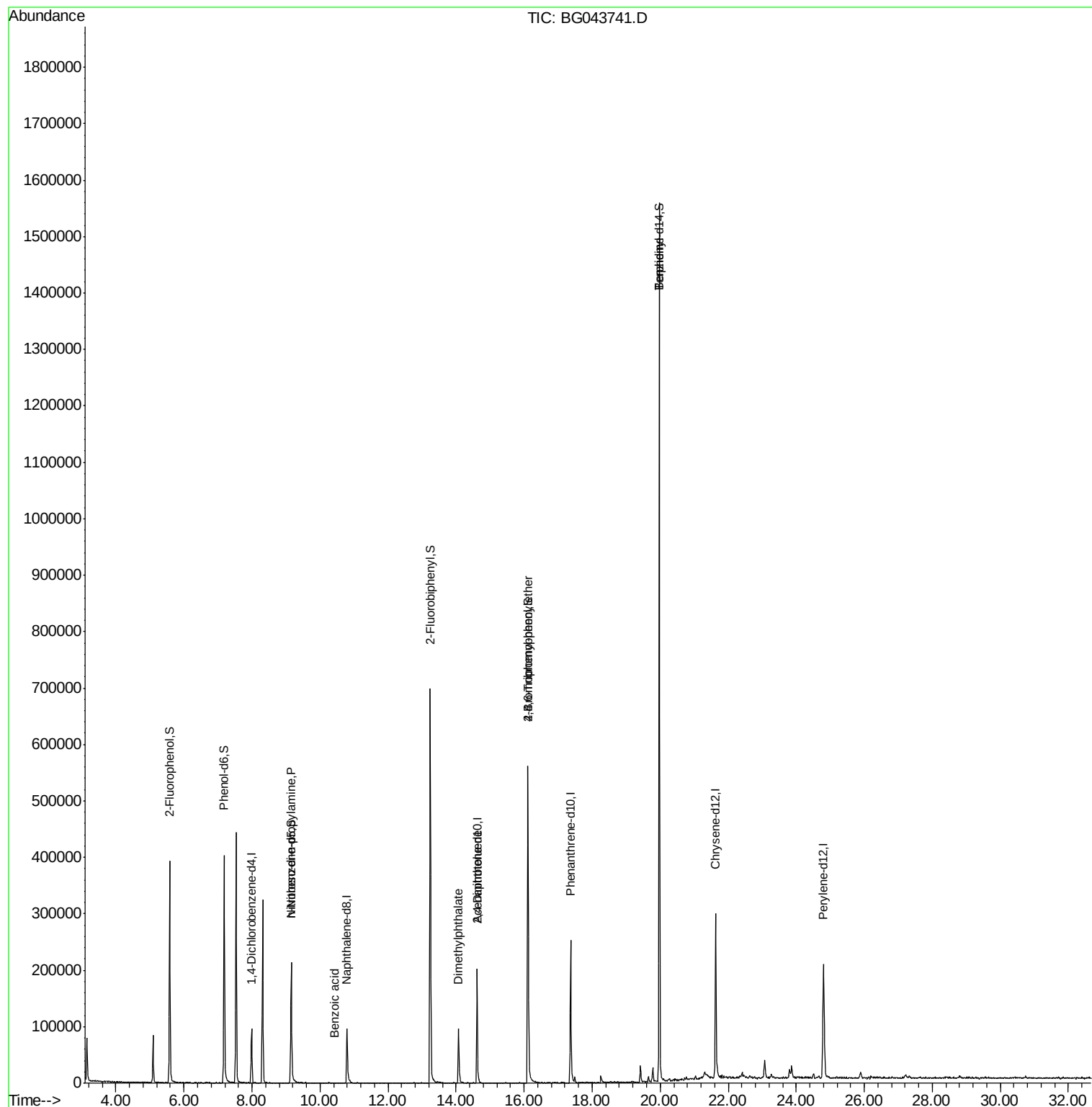
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	29565	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	107607	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	80367	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	201643	20.00	ng	0.00
76) Chrysene-d12	21.63	240	203068	20.00	ng	0.00
87) Perylene-d12	24.80	264	238156	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	177280	109.88	ng	0.00
7) Phenol-d6	7.18	99	256082	110.32	ng	0.00
23) Nitrobenzene-d5	9.15	82	154748	74.14	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	152387	99.64	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	424403	72.97	ng	0.00
79) Terphenyl-d14	19.97	244	835022	77.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.15	70	21251	14.167	ng	# 69
32) Benzoic acid	10.42	122	78	9.109	ng	# 1
50) Dimethylphthalate	14.07	163	85179	13.683	ng	# 95
57) 2,4-Dinitrotoluene	14.62	165	11107	5.747	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	9547	3.518	ng	# 1
77) Benzidine	19.97	184	12323	3.015	ng	# 80

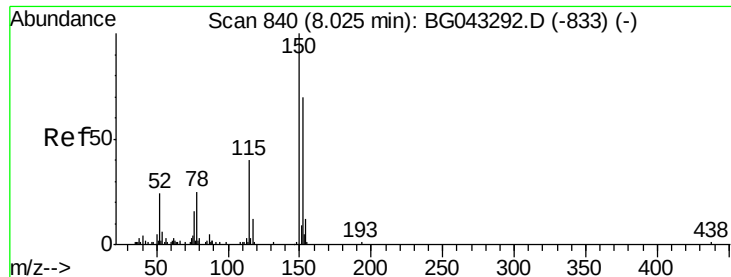
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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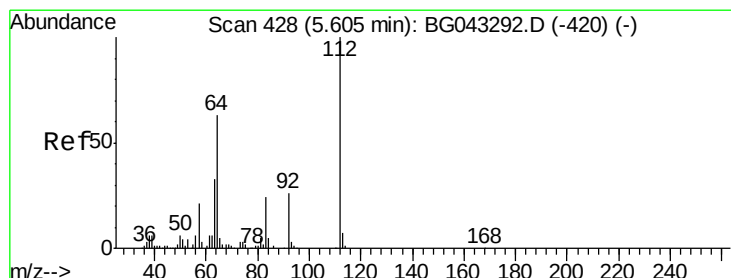
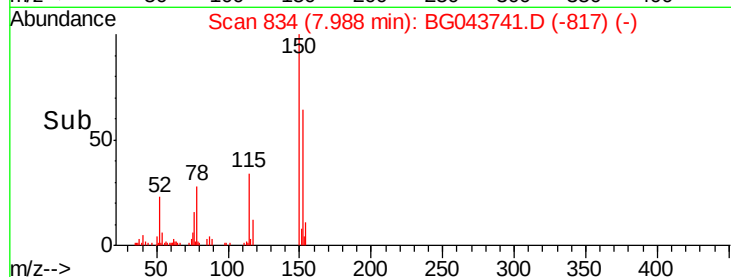
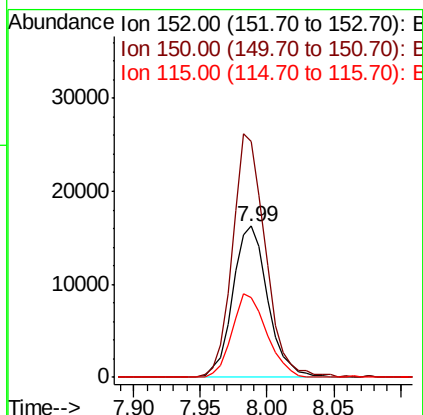
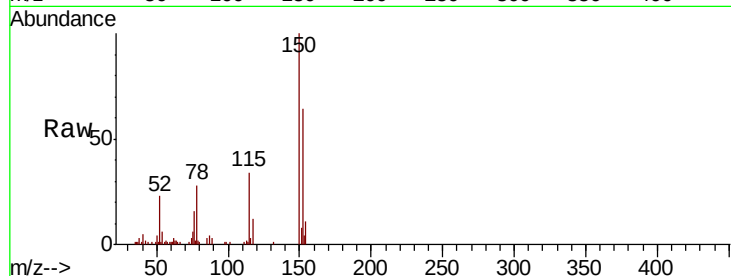


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043741.D
Acq: 20 Nov 2019 23:41

Instrument :
BNA_G
ClientSampleId :

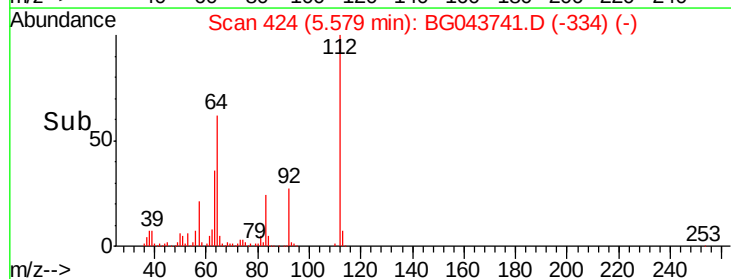
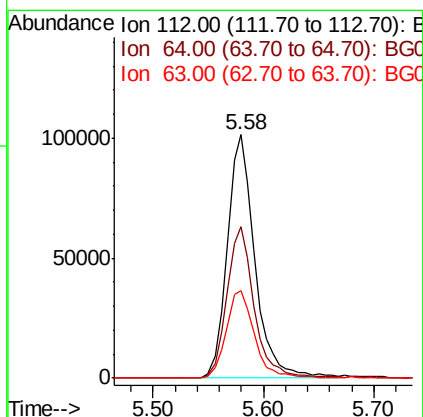
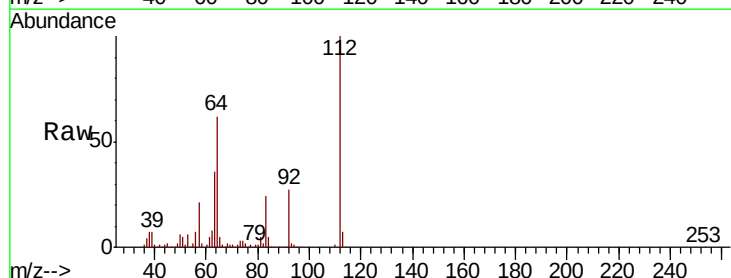
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	116.6	175.0
115	53.1	40.5	60.7

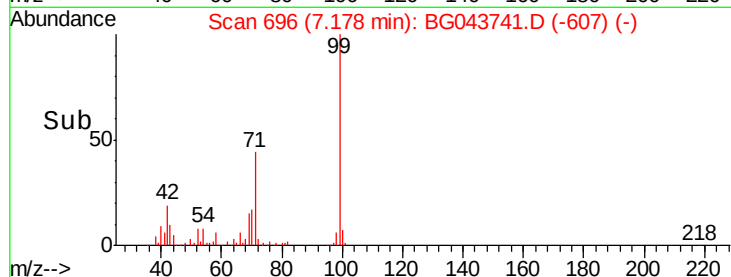
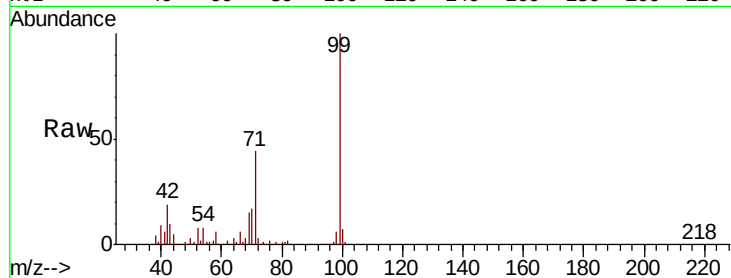
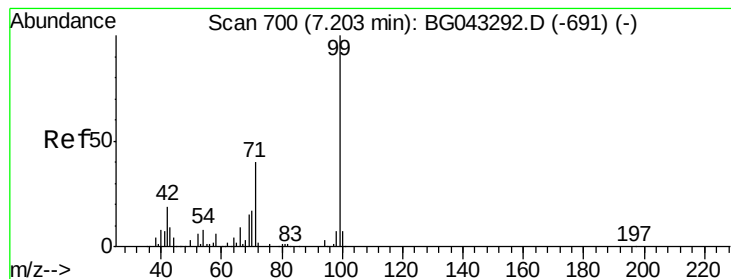


#5

2-Fluorophenol
Concen: 109.879 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043741.D
Acq: 20 Nov 2019 23:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	50.6	75.8
63	36.1	30.5	45.7





#7

Phenol-d6

Concen: 110.317 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG043741.D

Acq: 20 Nov 2019 23:41

Instrument :

BNA_G

ClientSampleId :

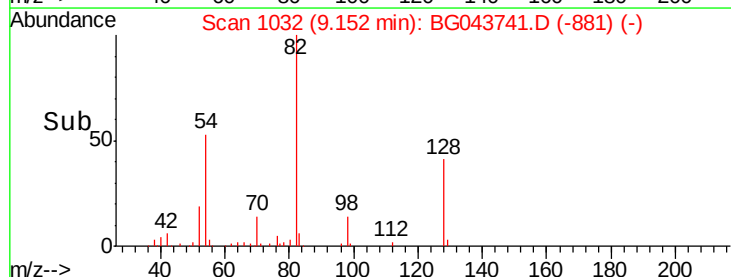
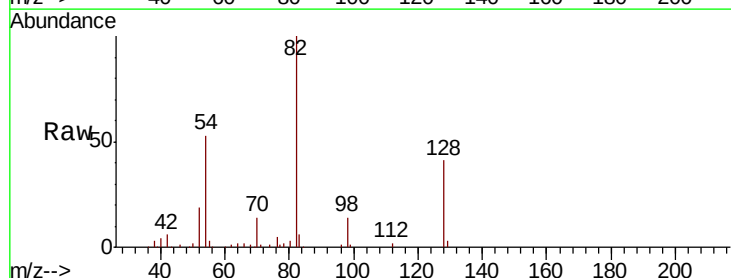
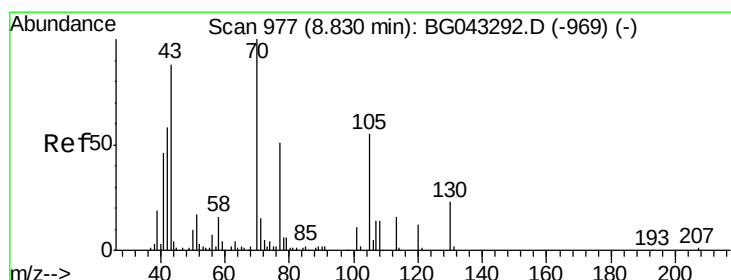
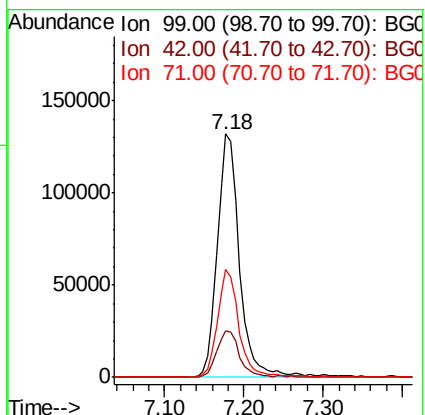
Tot Ion: 99 Resp: 256082

Ion Ratio Lower Upper

99 100

42 19.0 15.8 23.8

71 44.2 34.4 51.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.167 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.36 min

Lab File: BG043741.D

Acq: 20 Nov 2019 23:41

Tgt Ion: 70 Resp: 21251

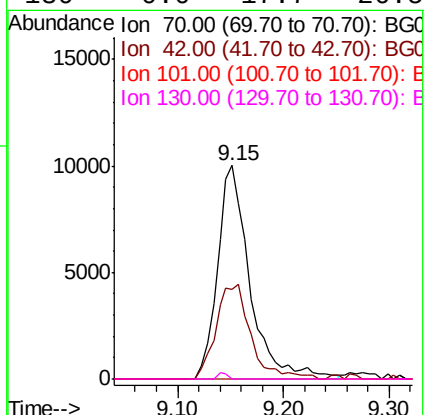
Ion Ratio Lower Upper

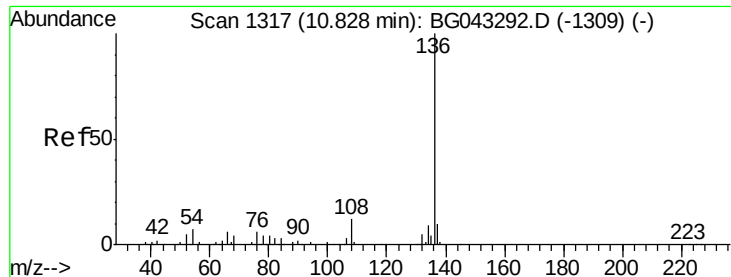
70 100

42 42.1 49.7 74.5#

101 0.0 9.7 14.5#

130 0.0 17.7 26.5#

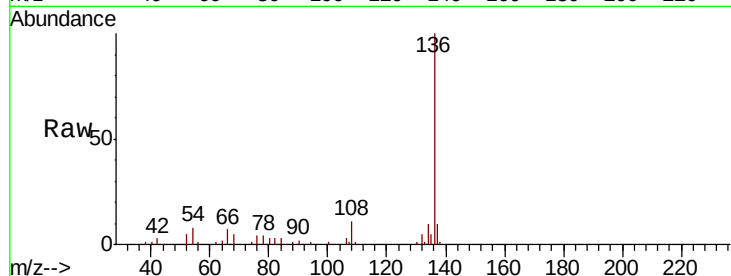




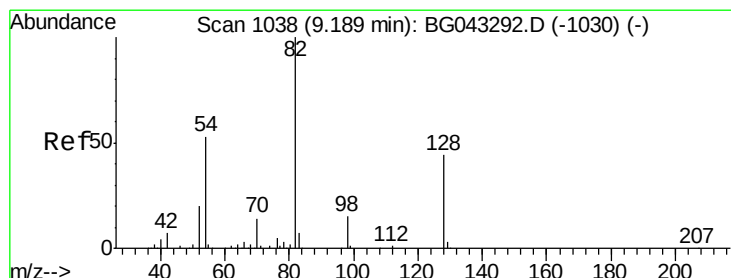
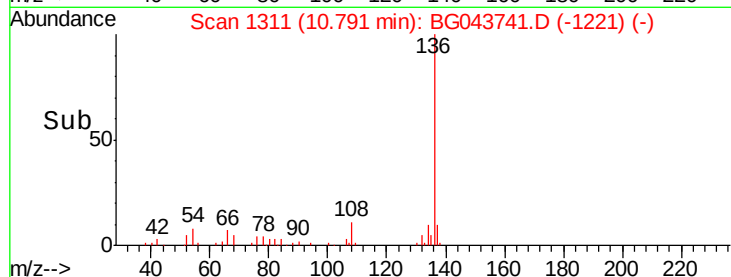
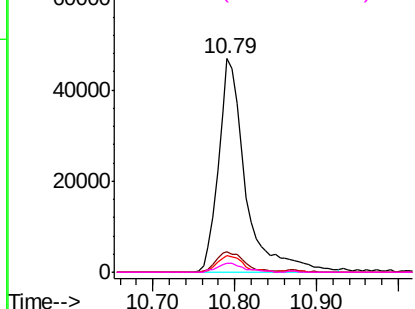
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG043741.D
Acq: 20 Nov 2019 23:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	107607
Ion	Ratio	Lower Upper
136	100	
137	9.7	8.8 13.2
54	7.9	6.2 9.2
68	4.5	3.4 5.0

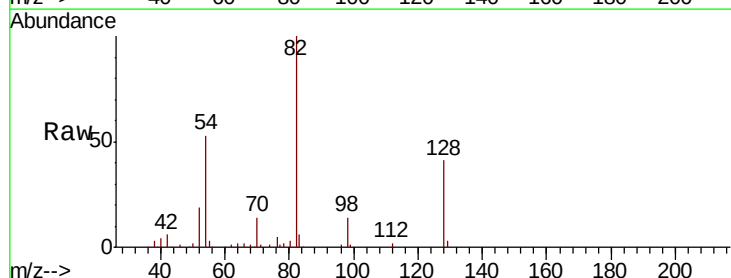


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

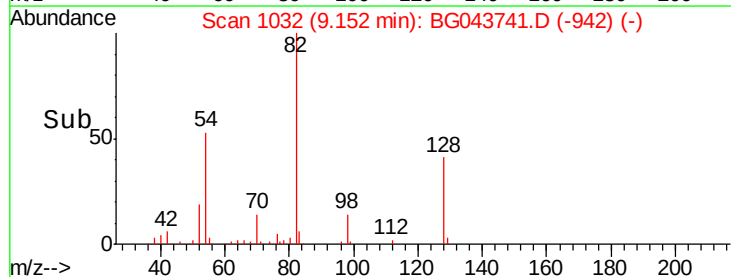
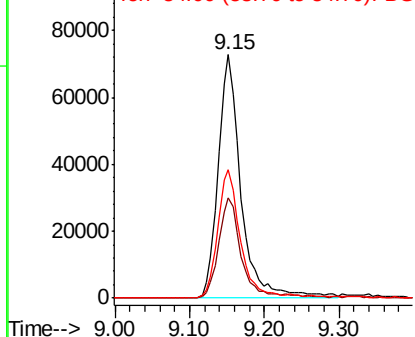


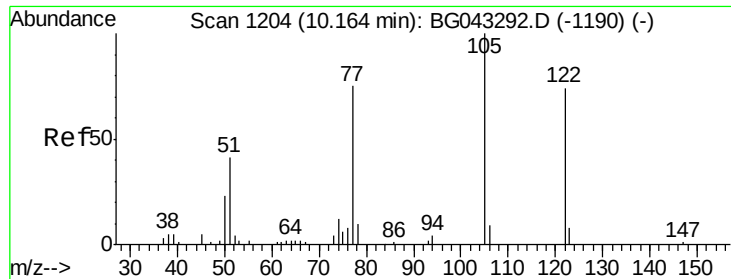
#23
Nitrobenzene-d5
Concen: 74.140 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043741.D
Acq: 20 Nov 2019 23:41

Tgt Ion: 82	Resp:	154748
Ion	Ratio	Lower Upper
82	100	
128	41.0	34.2 51.4
54	52.5	44.7 67.1



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

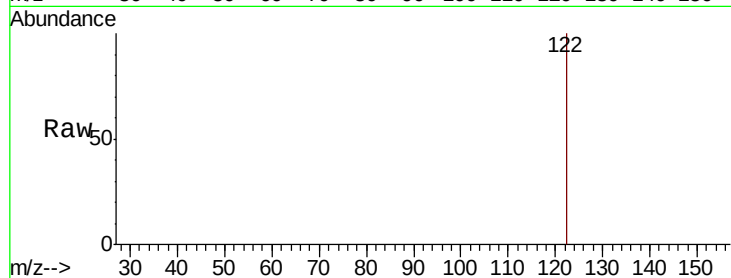




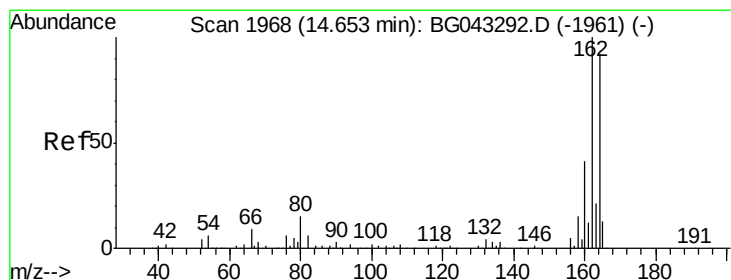
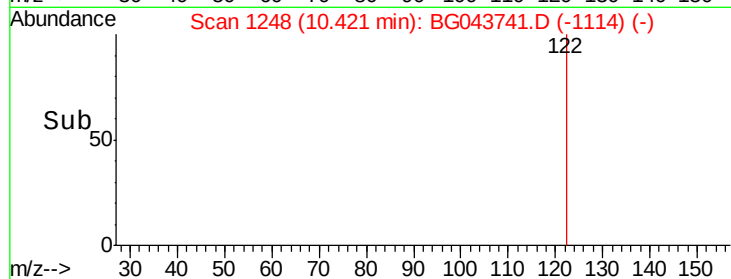
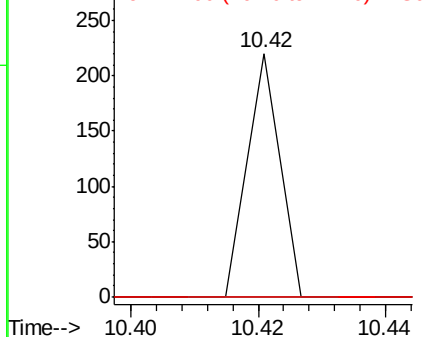
#32
Benzoic acid
Concen: 9.109 ng
RT: 10.42 min Scan# 1248
Delta R.T. 0.26 min
Lab File: BG043741.D
Acq: 20 Nov 2019 23:41

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 78
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 0.0 86.8 126.8#

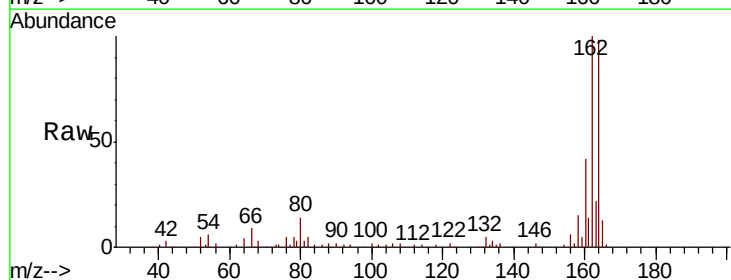


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

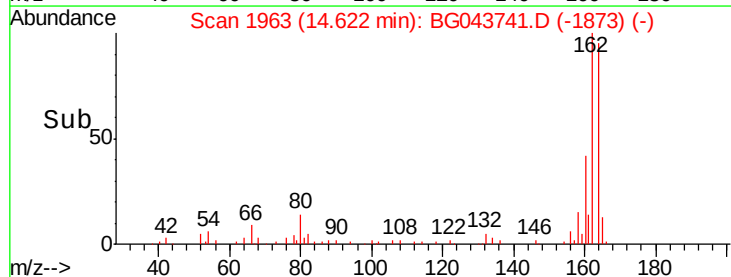
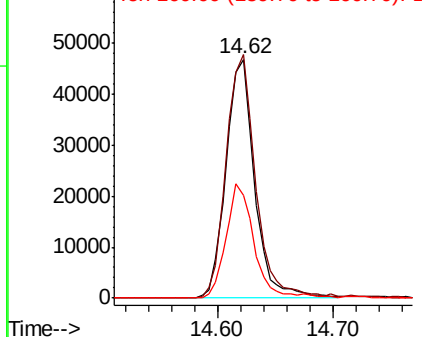


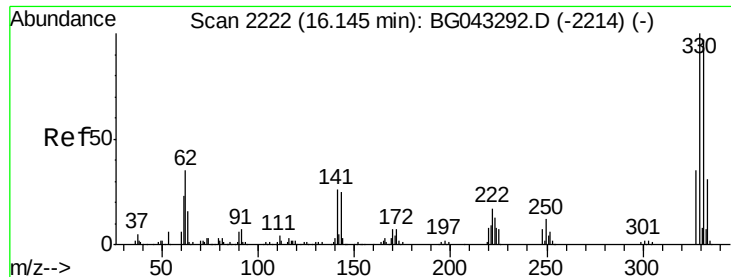
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG043741.D
Acq: 20 Nov 2019 23:41

Tgt Ion:164 Resp: 80367
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.2
160 43.1 36.3 54.5



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

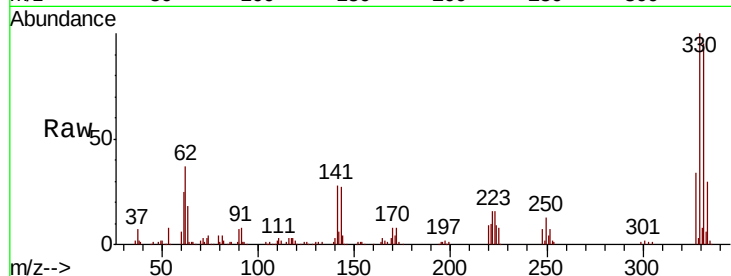




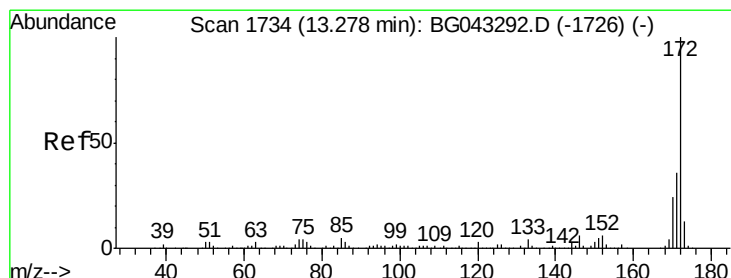
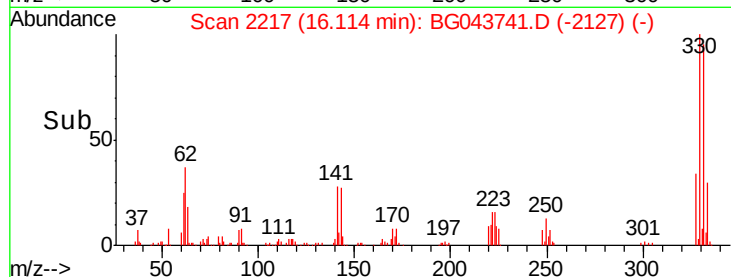
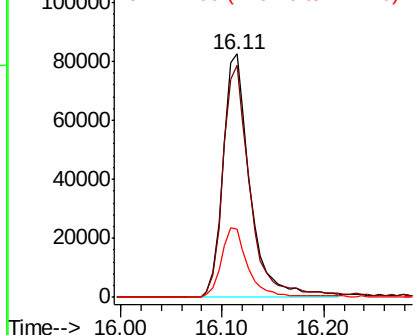
#42
 2,4,6-Tribromophenol
 Concen: 99.639 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: BG043741.D
 Acq: 20 Nov 2019 23:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 152387
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 28.3 23.4 35.2

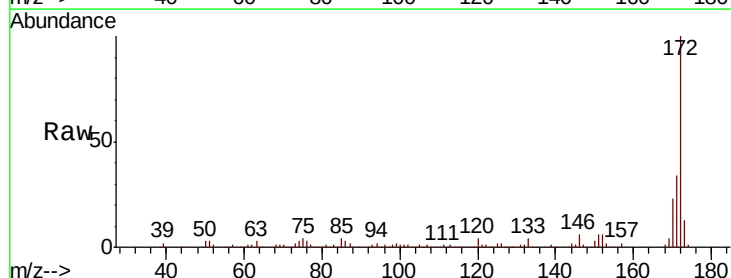


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

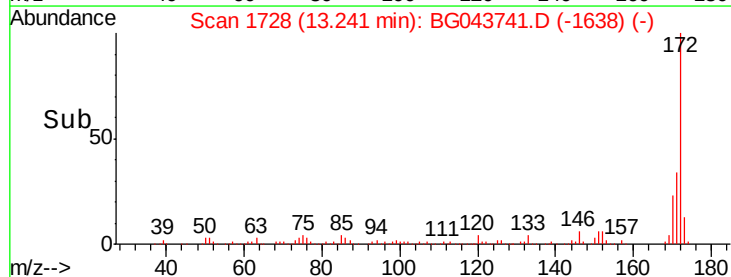
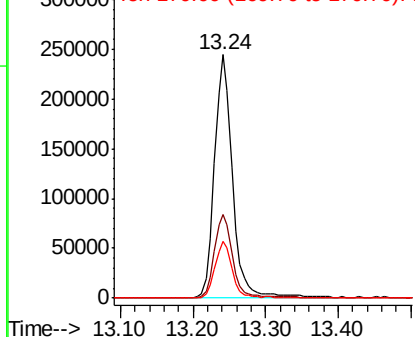


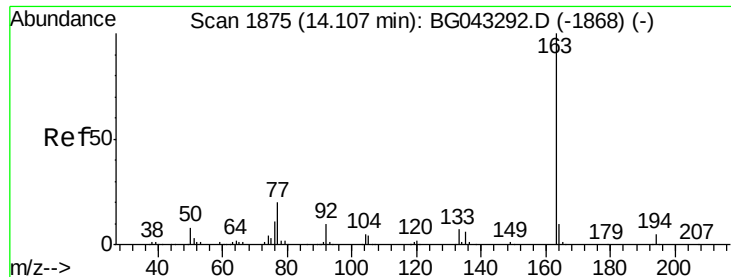
#45
 2-Fluorobiphenyl
 Concen: 72.970 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043741.D
 Acq: 20 Nov 2019 23:41

Tgt Ion:172 Resp: 424403
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.1 42.1
 170 23.0 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: 13.683 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BG043741.D

Acq: 20 Nov 2019 23:41

Instrument :

BNA_G

ClientSampleId :

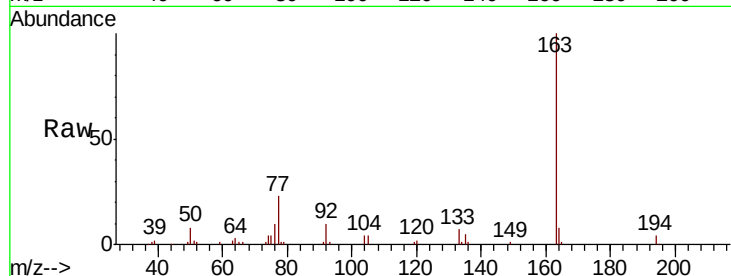
Tot Ion:163 Resp: 85179

Ion Ratio Lower Upper

163 100

194 4.5 3.8 5.8

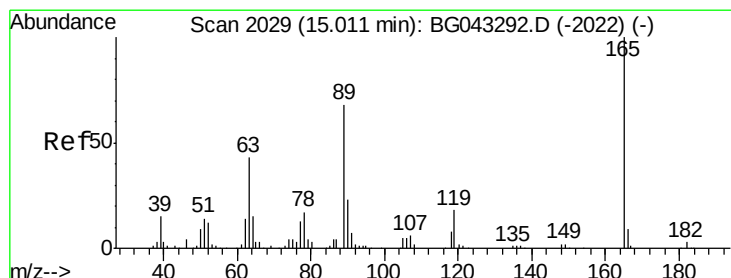
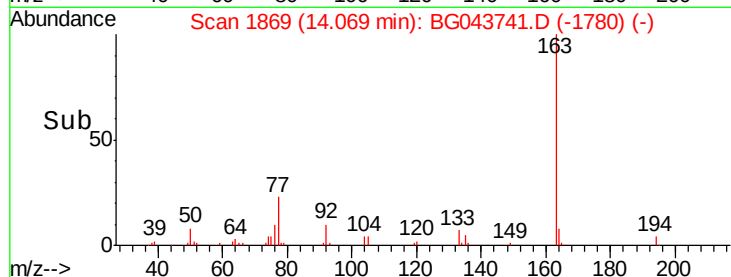
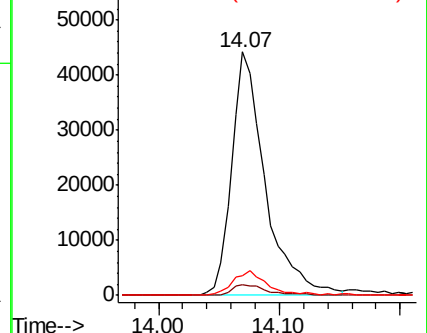
164 7.9 8.5 12.7#



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



#57

2,4-Dinitrotoluene

Concen: 5.747 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.37 min

Lab File: BG043741.D

Acq: 20 Nov 2019 23:41

Tgt Ion:165 Resp: 11107

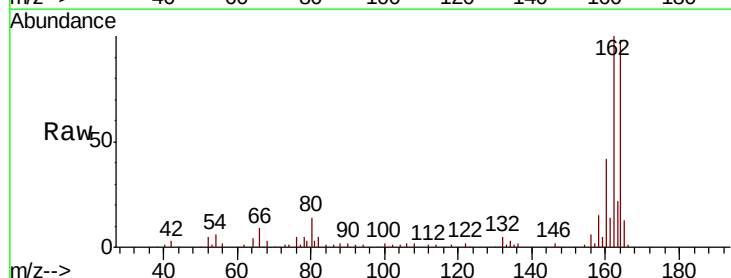
Ion Ratio Lower Upper

165 100

63 0.0 37.4 56.0#

89 0.0 50.9 76.3#

182 0.0 2.3 3.5#

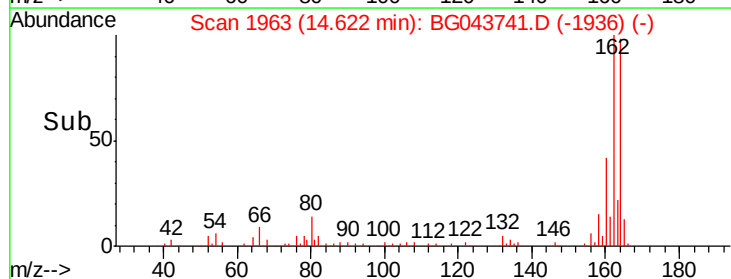
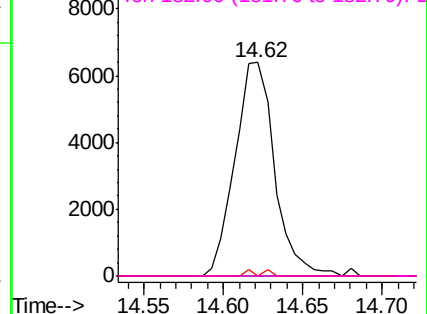


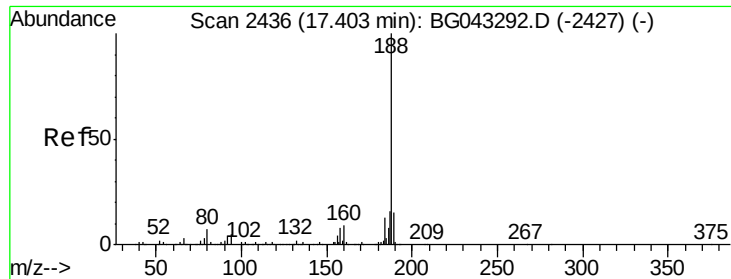
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG043741.D

Acq: 20 Nov 2019 23:41

Instrument :

BNA_G

ClientSampleId :

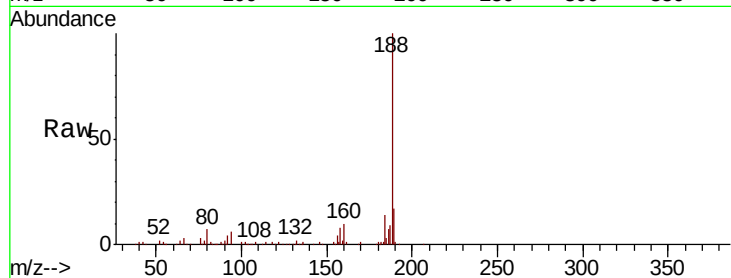
Tot Ion:188 Resp: 201643

Ion Ratio Lower Upper

188 100

94 5.8 4.6 7.0

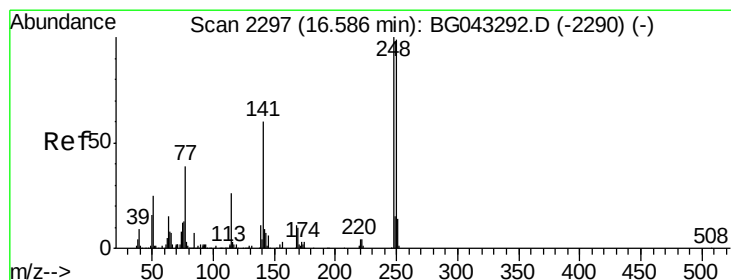
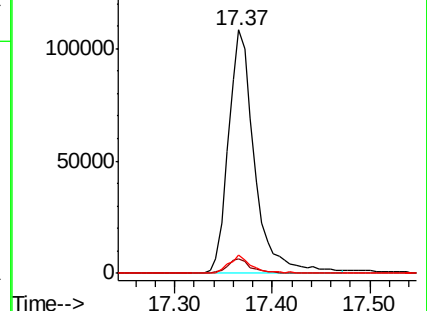
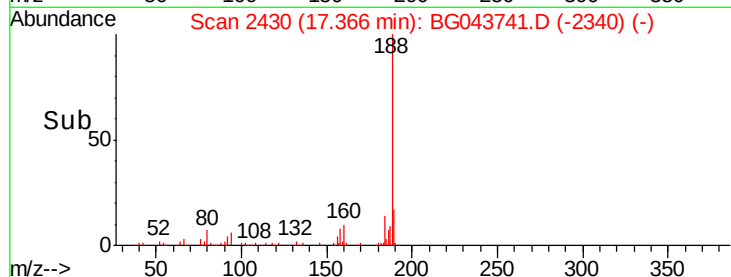
80 7.3 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.518 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.45 min

Lab File: BG043741.D

Acq: 20 Nov 2019 23:41

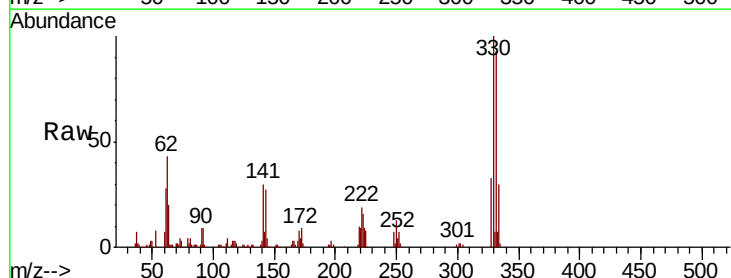
Tgt Ion:248 Resp: 9547

Ion Ratio Lower Upper

248 100

250 181.8 76.3 114.5#

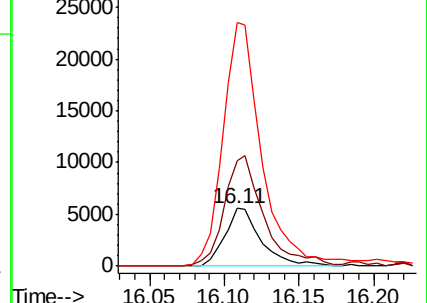
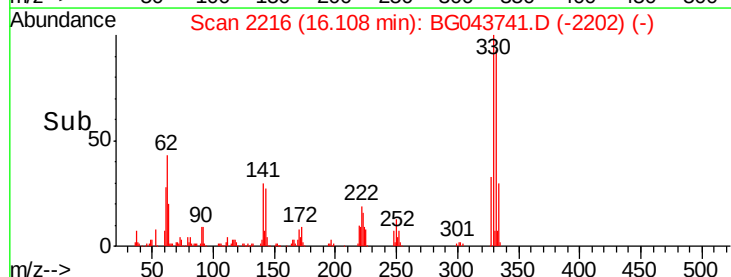
141 420.0 49.5 74.3#

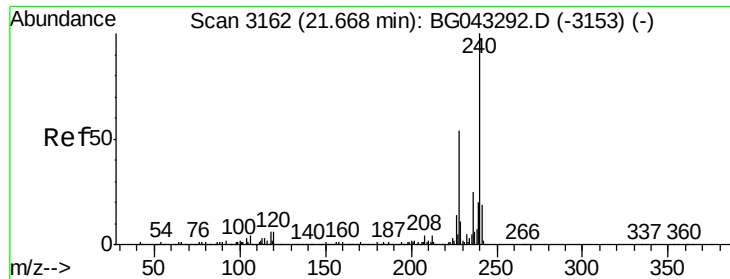


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

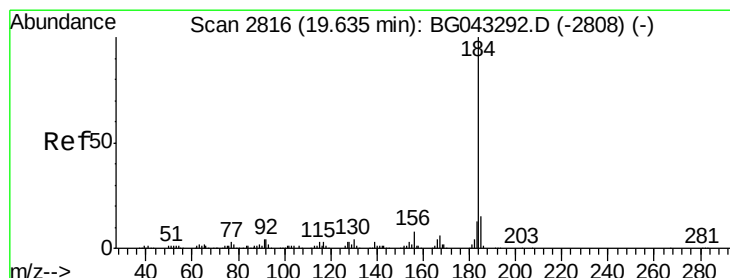
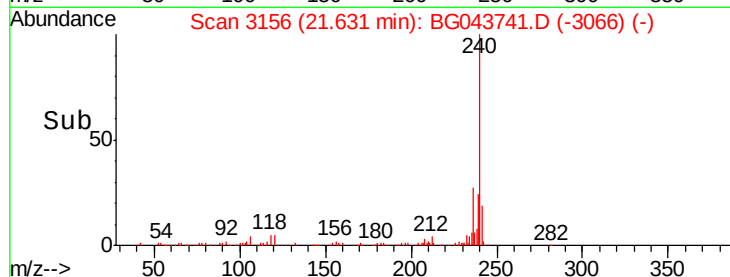
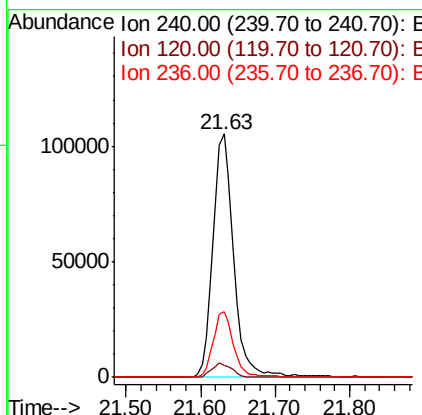
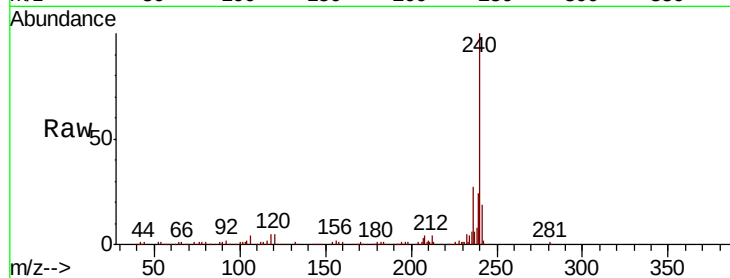




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG043741.D
Acq: 20 Nov 2019 23:41

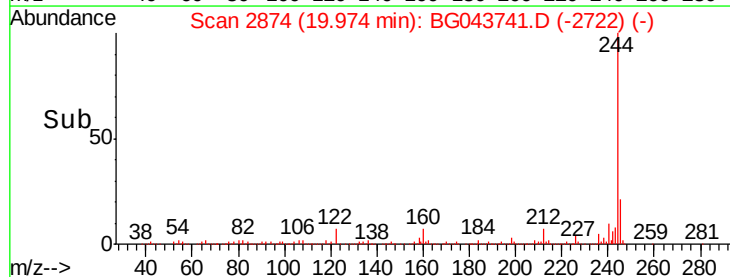
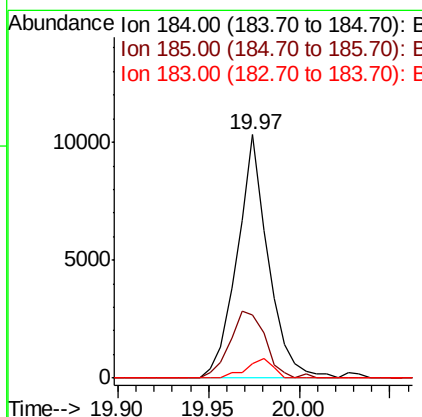
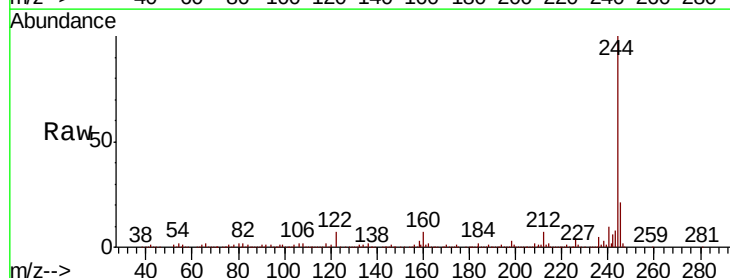
Instrument :
BNA_G
ClientSampleId :

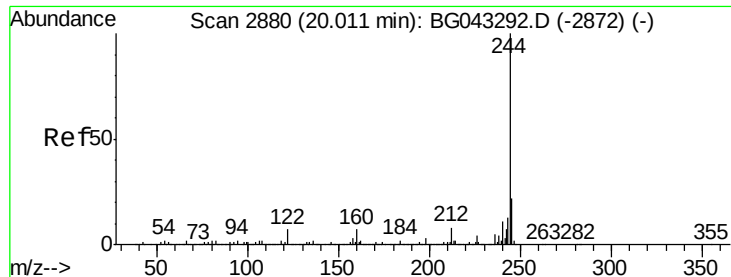
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.9	7.3
236	26.9	21.4	32.0



#77
Benzidine
Concen: 3.015 ng
RT: 19.97 min Scan# 2874
Delta R.T. 0.36 min
Lab File: BG043741.D
Acq: 20 Nov 2019 23:41

Tgt Ion	Ratio	Lower	Upper
184	100		
185	26.1	12.7	19.1#
183	5.8	8.8	13.2#





#79

Terphenyl-d14

Concen: 77.144 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG043741.D

Acq: 20 Nov 2019 23:41

Instrument :

BNA_G

ClientSampleId :

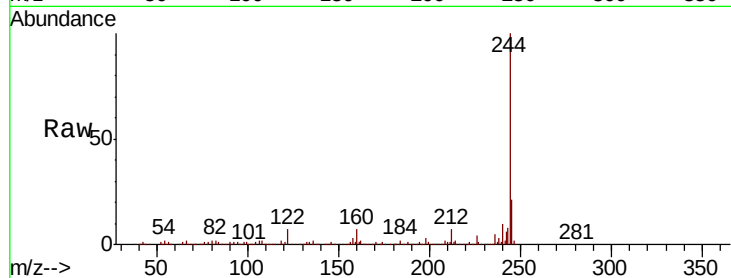
Tot Ion:244 Resp: 835022

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

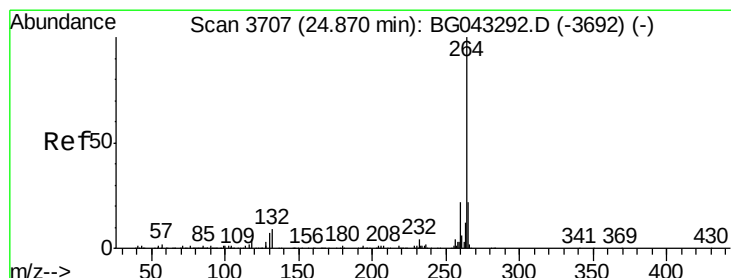
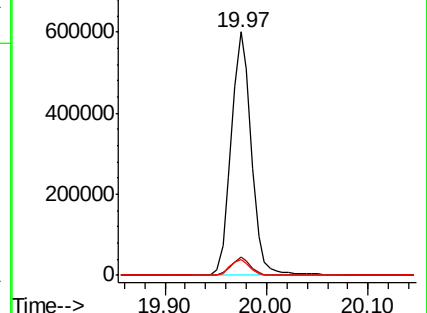
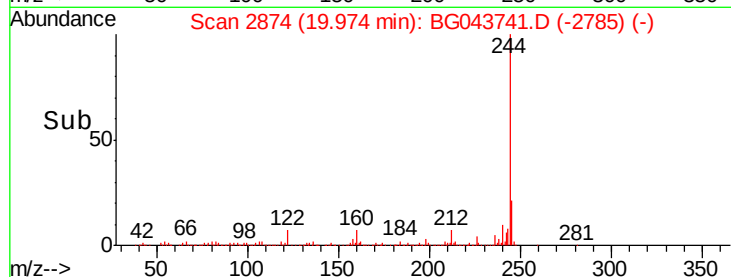
122 6.5 5.2 7.8



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: 24.80 min Scan# 3696

Delta R.T. -0.01 min

Lab File: BG043741.D

Acq: 20 Nov 2019 23:41

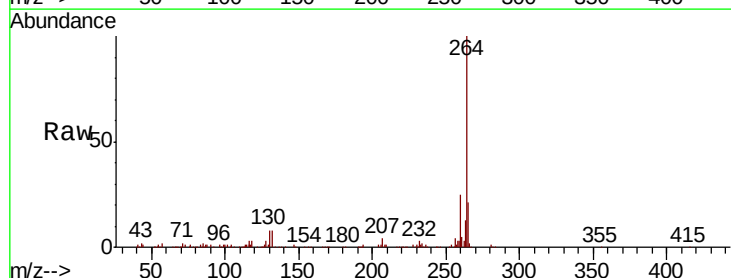
Tgt Ion:264 Resp: 238156

Ion Ratio Lower Upper

264 100

260 24.5 18.4 27.6

265 21.4 15.8 23.8



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

