

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112019\
 Data File : BG043734.D
 Acq On : 20 Nov 2019 19:08
 Operator : JU
 Sample : K5916-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 00:36:06 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	26772	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	90211	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	71590	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	183255	20.00	ng	0.00
76) Chrysene-d12	21.63	240	196537	20.00	ng	0.00
87) Perylene-d12	24.81	264	227580	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	216204	147.98	ng	0.00
7) Phenol-d6	7.18	99	291671	138.76	ng	0.00
23) Nitrobenzene-d5	9.15	82	179163	102.39	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	177190	130.06	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	476055	91.89	ng	0.00
79) Terphenyl-d14	19.98	244	1082815	103.36	ng	0.00

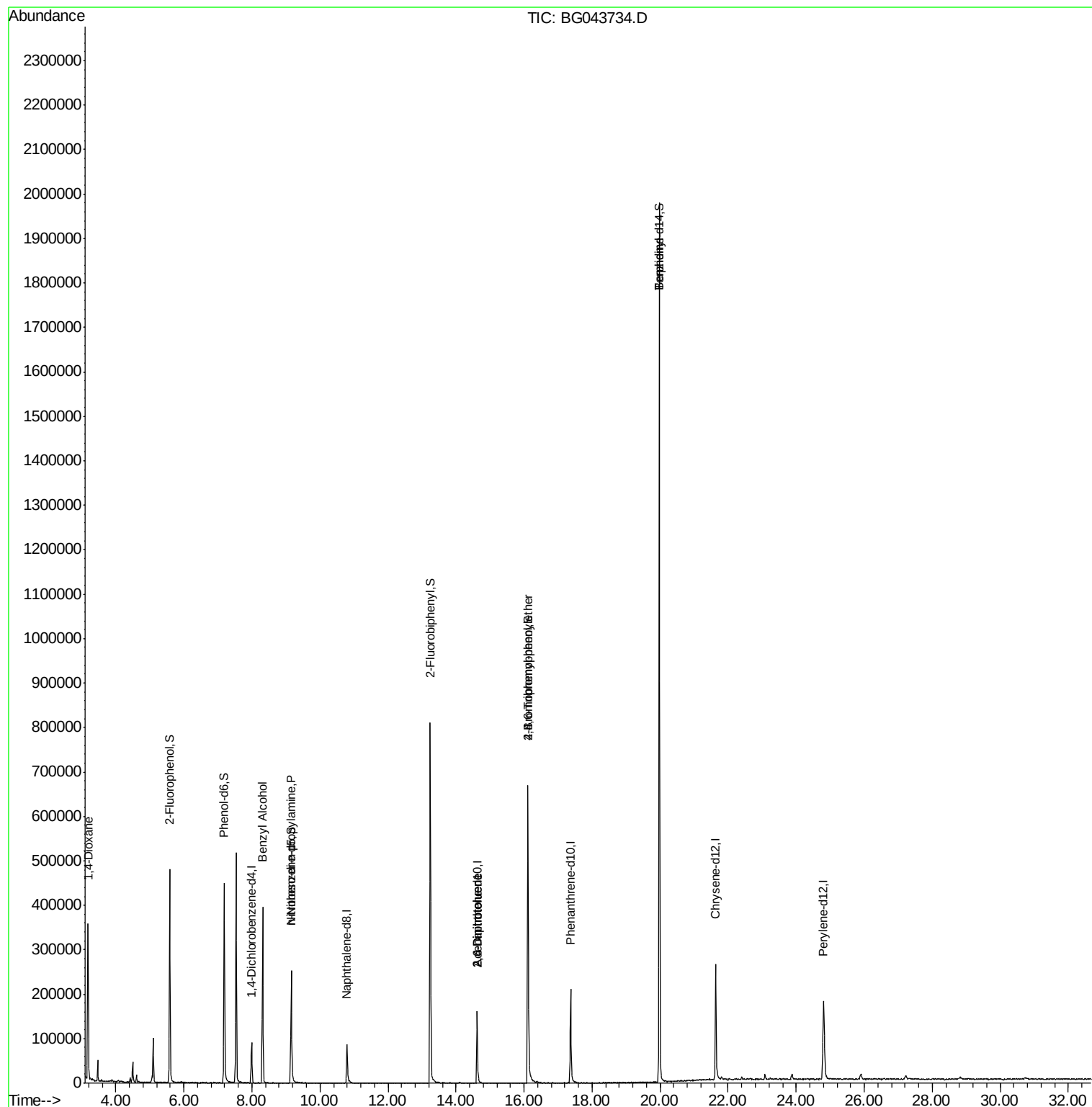
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	4287	7.530	ng	# 1
15) Benzyl Alcohol	8.31	79	3550	2.405	ng	# 53
19) n-Nitroso-di-n-propylamine	9.15	70	25195	18.549	ng	# 72
51) 2,6-Dinitrotoluene	14.62	165	9779	8.118	ng	# 25
57) 2,4-Dinitrotoluene	14.62	165	9779	5.680	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	11403	4.624	ng	# 1
77) Benzidine	19.98	184	15546	3.930	ng	# 85

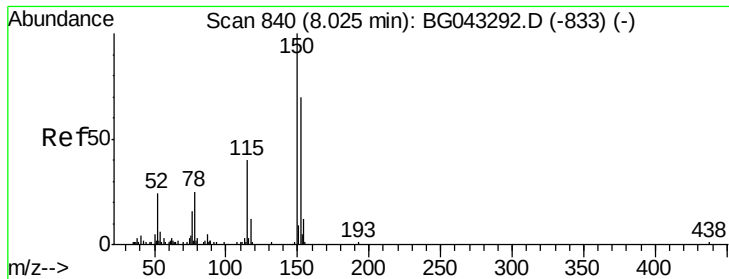
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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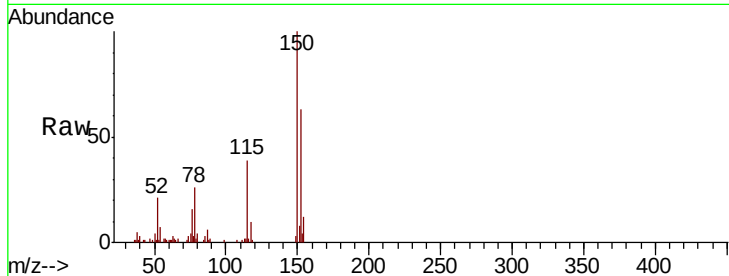


#1

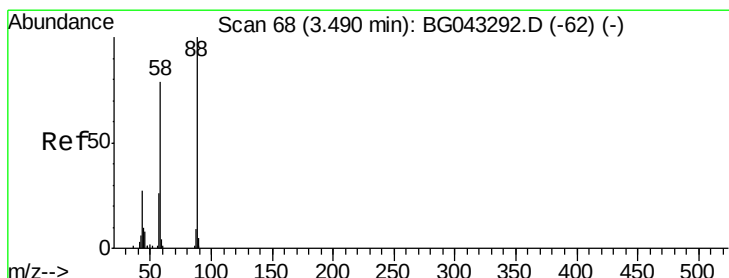
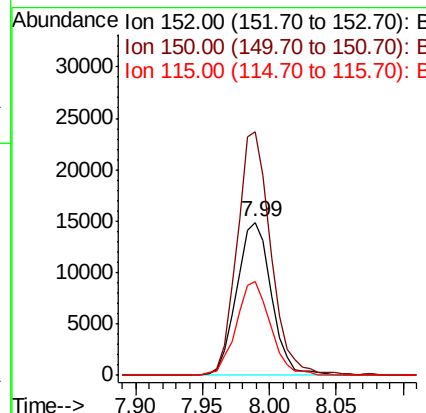
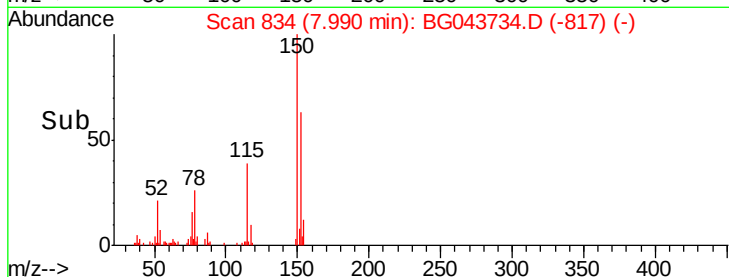
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043734.D
Acq: 20 Nov 2019 19:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26772
Ion Ratio Lower Upper
152 100
150 159.4 116.6 175.0
115 61.8 40.5 60.7#



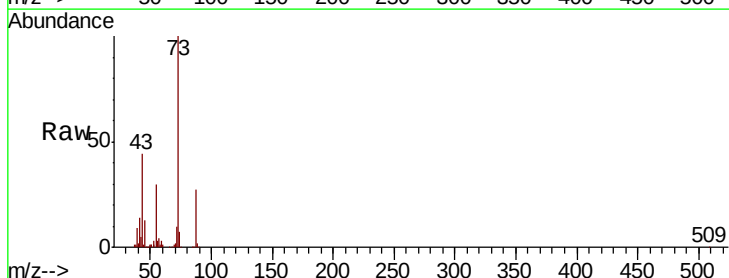
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



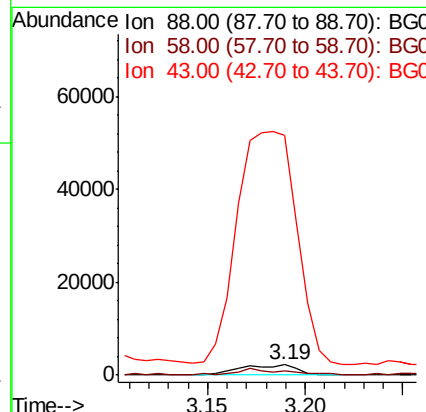
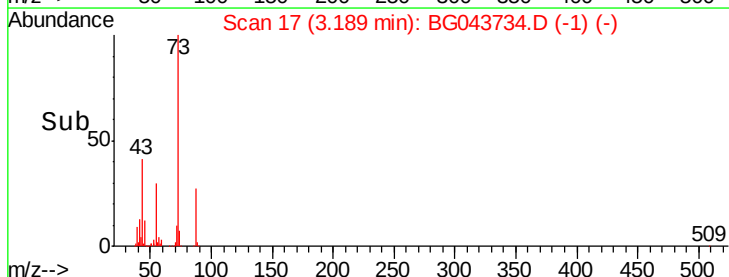
#2

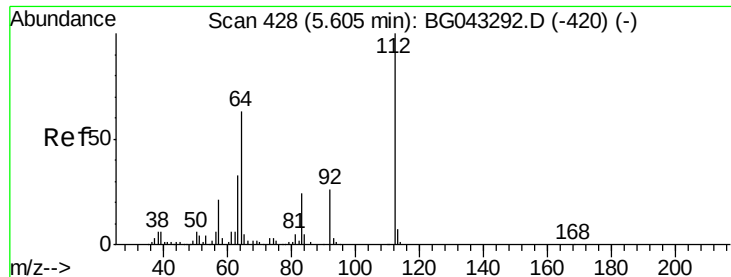
1,4-Dioxane
Concen: 7.530 ng
RT: 3.19 min Scan# 17
Delta R.T. -0.26 min
Lab File: BG043734.D
Acq: 20 Nov 2019 19:08

Tgt Ion: 88 Resp: 4287
Ion Ratio Lower Upper
88 100
58 64.5 62.2 93.4
43 2472.7 30.1 45.1#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 147.984 ng

RT: 5.58 min Scan# 424

Delta R.T. -0.00 min

Lab File: BG043734.D

Acq: 20 Nov 2019 19:08

Instrument :

BNA_G

ClientSampleId :

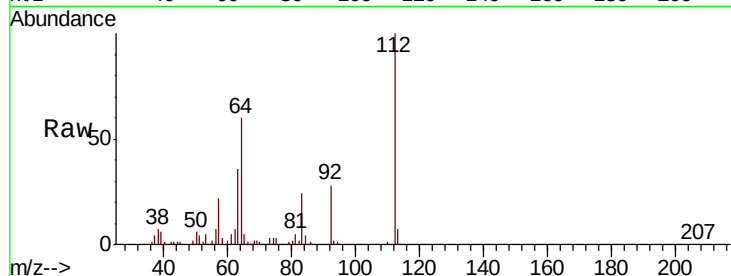
Tot Ion:112 Resp: 216204

Ion Ratio Lower Upper

112 100

64 59.5 50.6 75.8

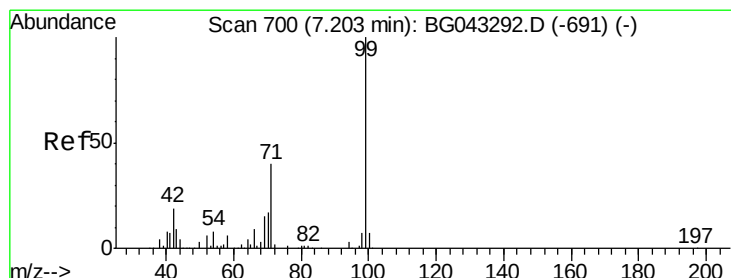
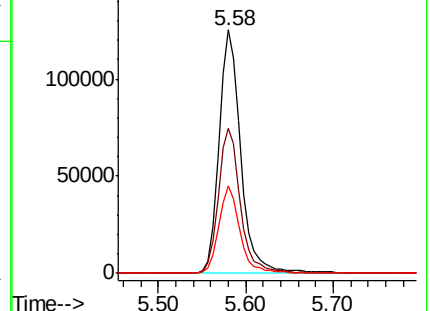
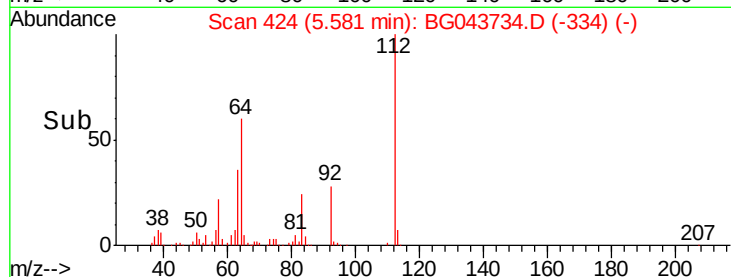
63 36.0 30.5 45.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 138.757 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043734.D

Acq: 20 Nov 2019 19:08

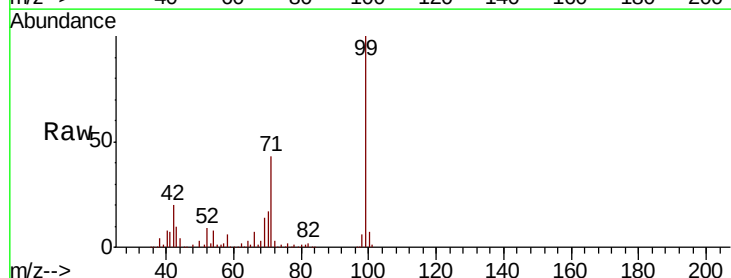
Tgt Ion: 99 Resp: 291671

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.8

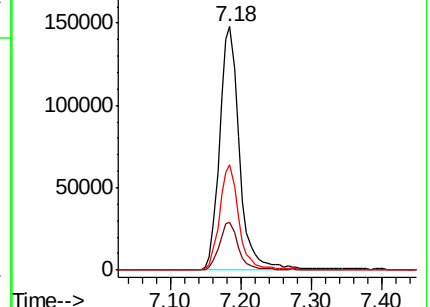
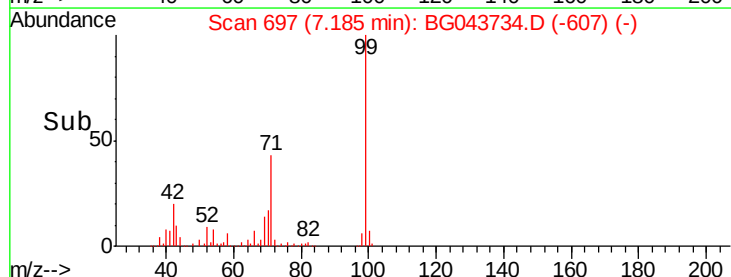
71 43.4 34.4 51.6

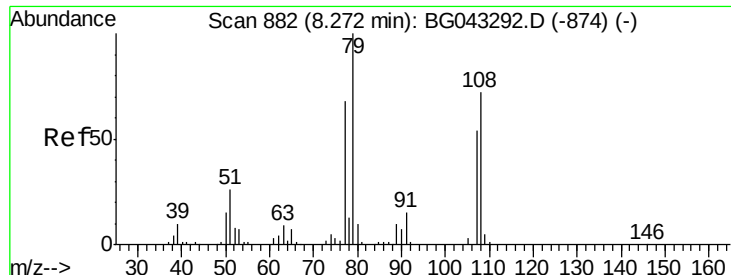


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.405 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.08 min

Lab File: BG043734.D

Acq: 20 Nov 2019 19:08

Instrument :

BNA_G

ClientSampled :

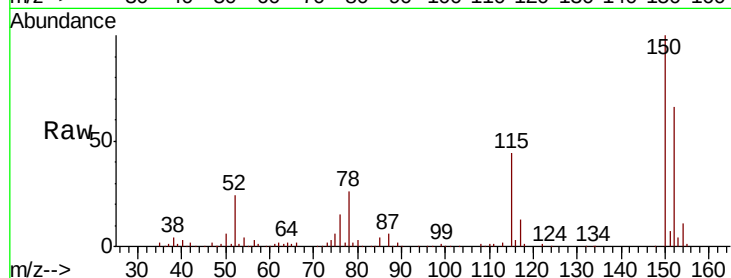
Tot Ion: 79 Resp: 3550

Ion Ratio Lower Upper

79 100

108 45.1 56.0 84.0#

77 109.6 47.9 71.9#

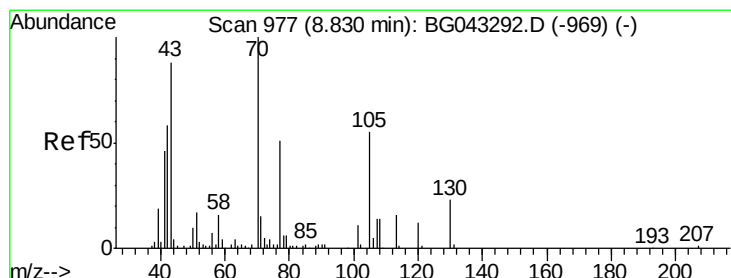
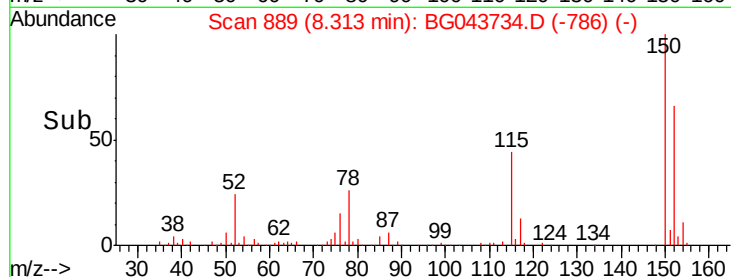
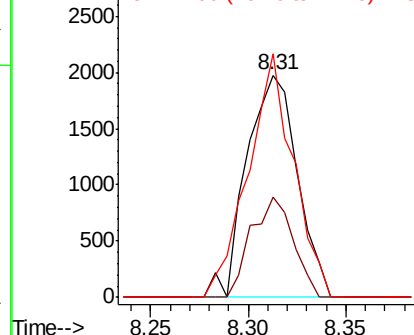


Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 18.549 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG043734.D

Acq: 20 Nov 2019 19:08

Tgt Ion: 70 Resp: 25195

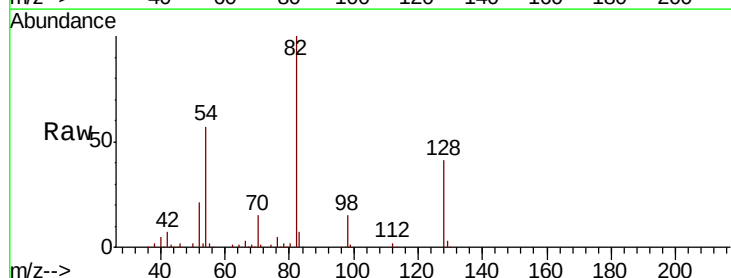
Ion Ratio Lower Upper

70 100

42 44.7 49.7 74.5#

101 0.0 9.7 14.5#

130 2.1 17.7 26.5#



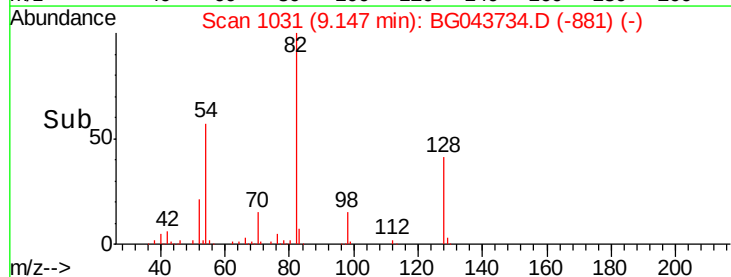
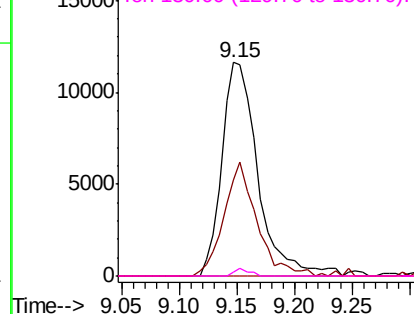
Abundance

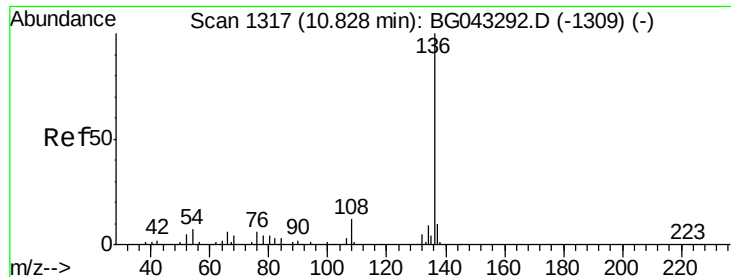
Ion 70.00 (69.70 to 70.70): BGC

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

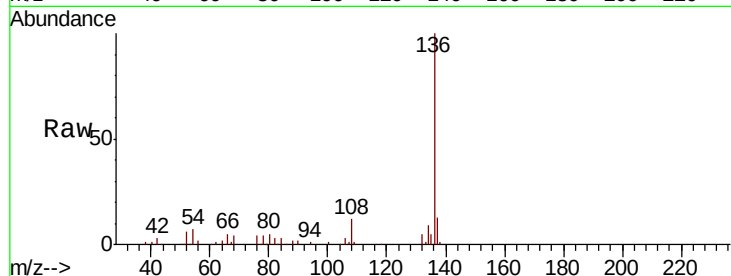




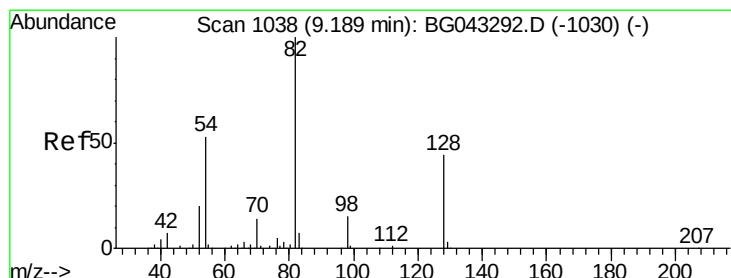
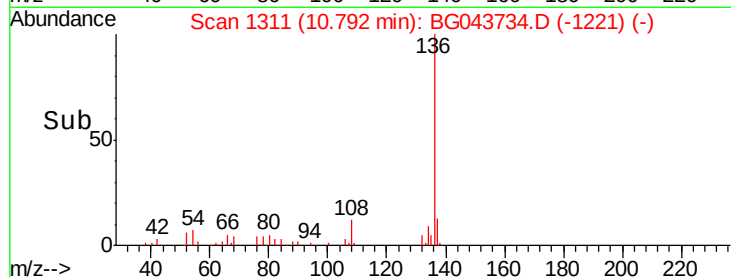
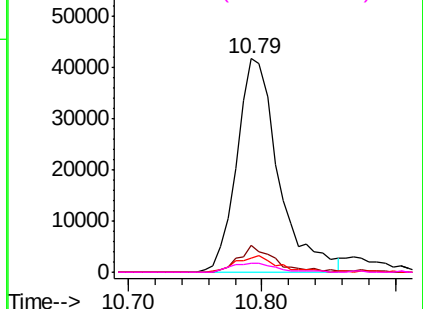
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG043734.D
Acq: 20 Nov 2019 19:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	90211
Ion	Ratio	Lower Upper
136	100	
137	12.8	8.8 13.2
54	6.6	6.2 9.2
68	4.0	3.4 5.0

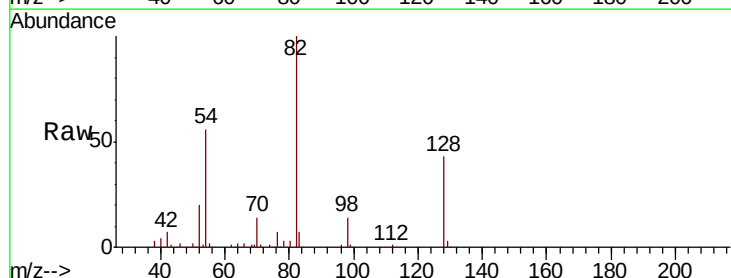


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

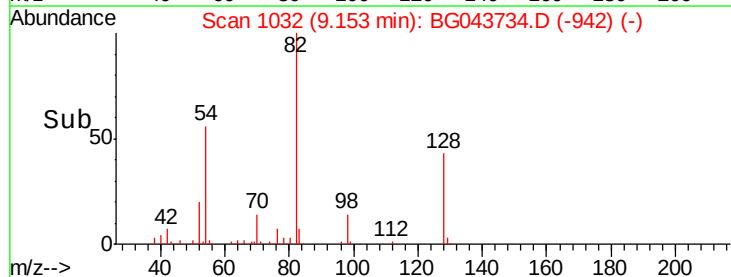
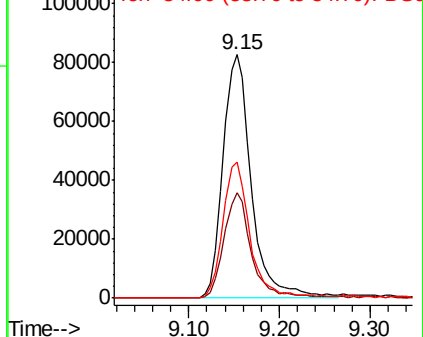


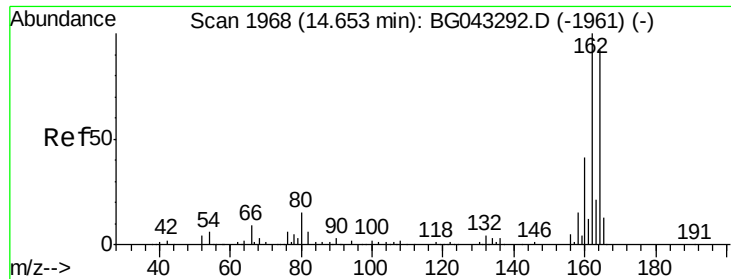
#23
Nitrobenzene-d5
Concen: 102.390 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043734.D
Acq: 20 Nov 2019 19:08

Tgt Ion: 82	Resp:	179163
Ion	Ratio	Lower Upper
82	100	
128	43.4	34.2 51.4
54	55.9	44.7 67.1



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

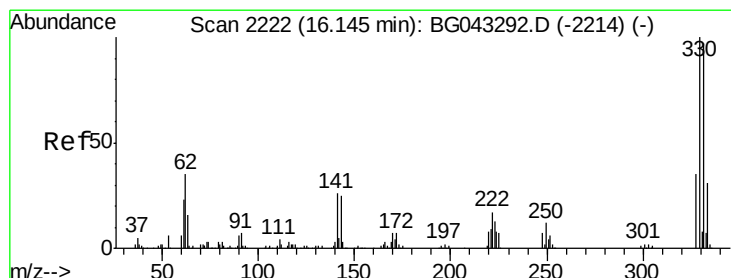
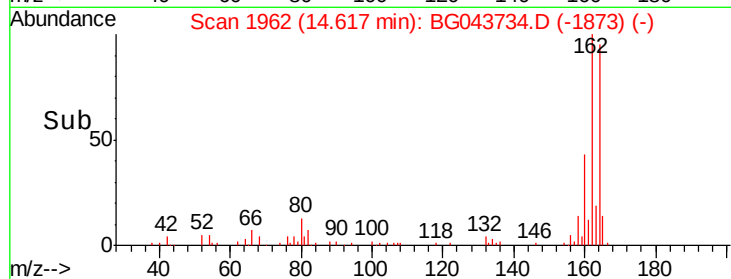
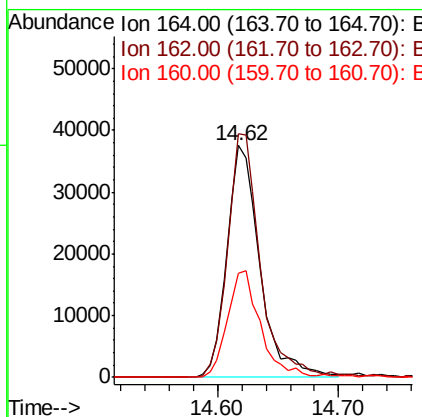
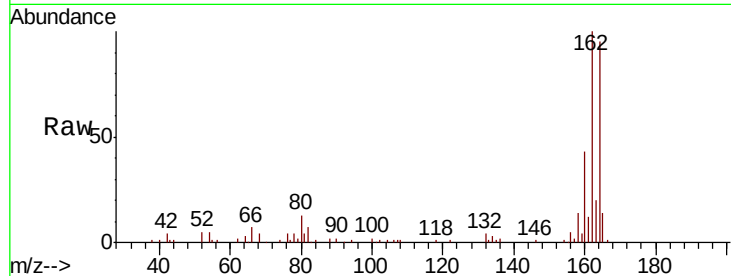




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: BG043734.D
 Acq: 20 Nov 2019 19:08

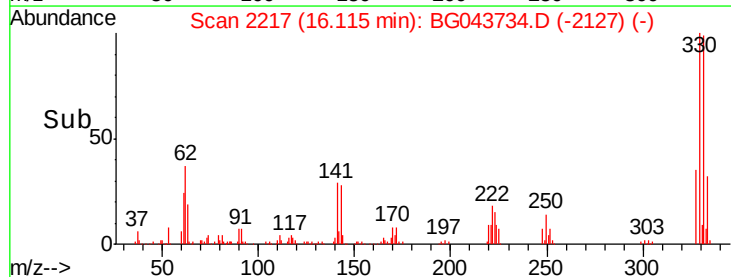
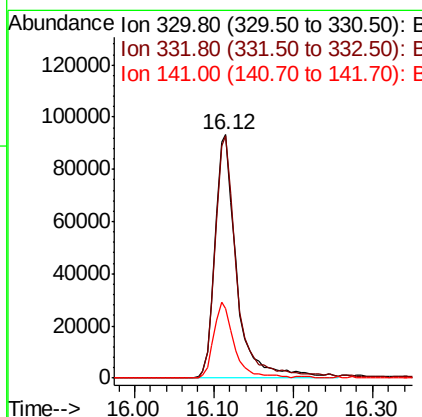
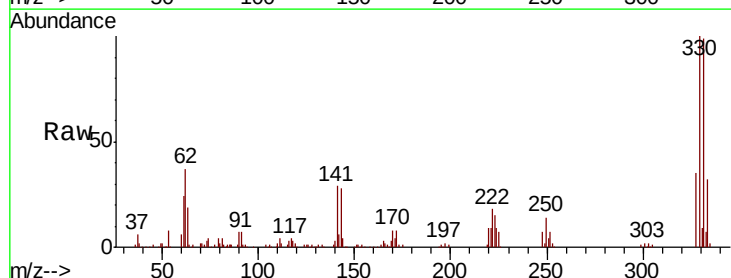
Instrument :
 BNA_G
 ClientSampleId :

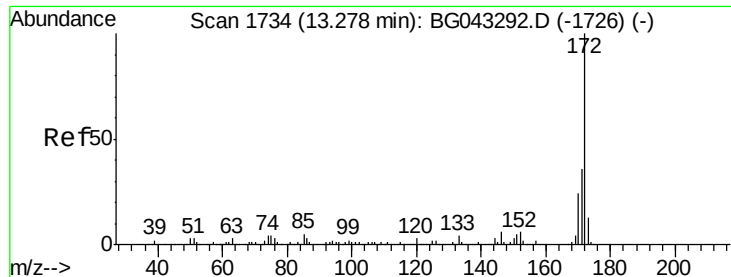
Tot Ion:164 Resp: 71590
 Ion Ratio Lower Upper
 164 100
 162 105.1 79.4 119.2
 160 45.2 36.3 54.5



#42
 2,4,6-Tribromophenol
 Concen: 130.061 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: BG043734.D
 Acq: 20 Nov 2019 19:08

Tgt Ion:330 Resp: 177190
 Ion Ratio Lower Upper
 330 100
 332 99.6 76.6 115.0
 141 29.3 23.4 35.2

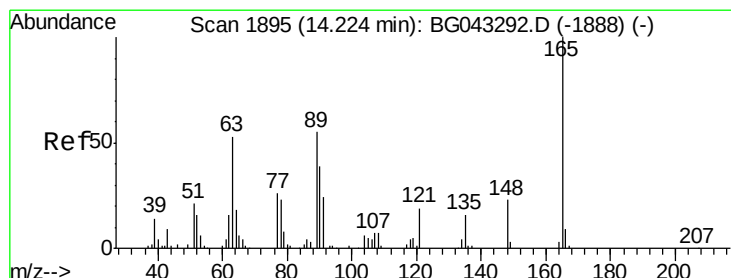
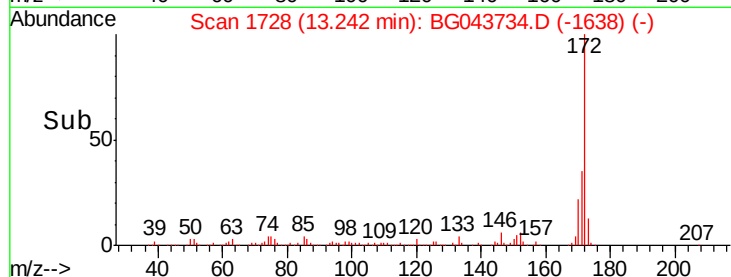
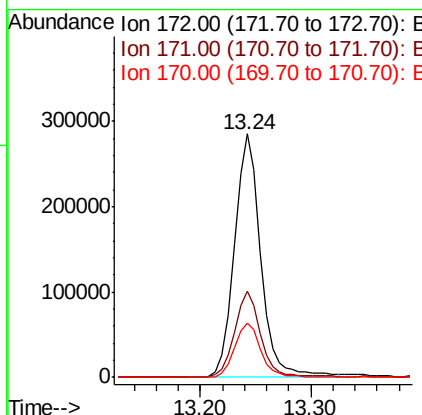
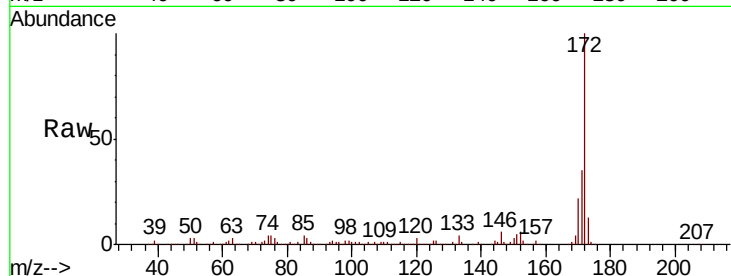




#45
 2-Fluorobiphenyl
 Concen: 91.886 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043734.D
 Acq: 20 Nov 2019 19:08

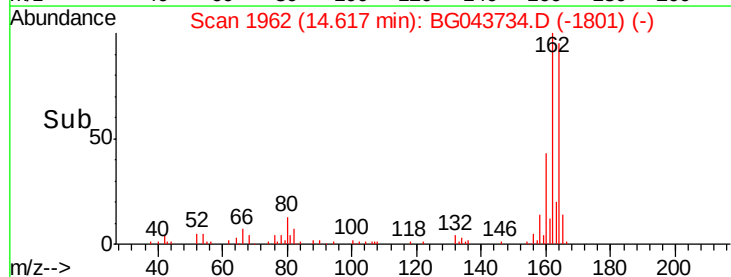
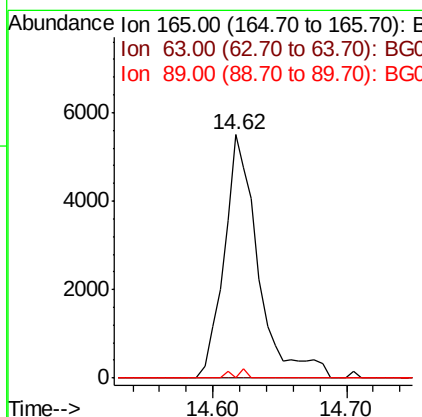
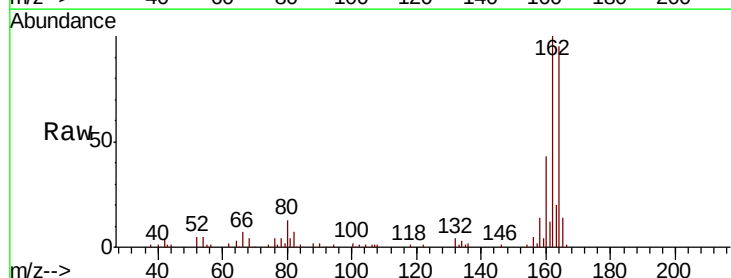
Instrument :
 BNA_G
 ClientSampleId :

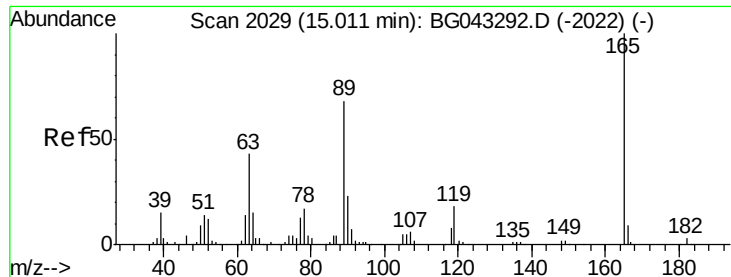
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	22.2	18.8	28.2



#51
 2,6-Dinitrotoluene
 Concen: 8.118 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. 0.42 min
 Lab File: BG043734.D
 Acq: 20 Nov 2019 19:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.6#
89	0.0	39.8	59.8#





#57

2,4-Dinitrotoluene

Concen: 5.680 ng

RT: 14.62 min Scan# 1962

Delta R.T. -0.38 min

Lab File: BG043734.D

Acq: 20 Nov 2019 19:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 9779

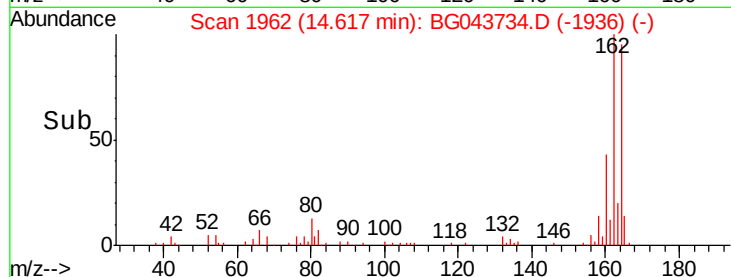
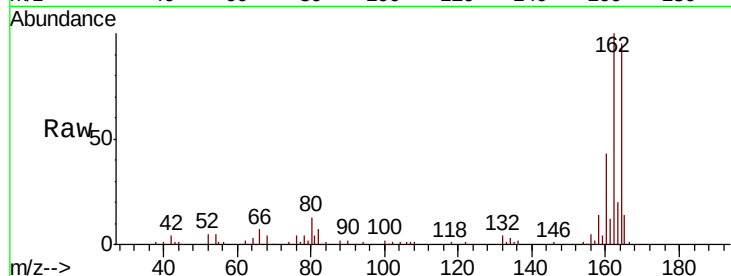
Ion Ratio Lower Upper

165 100

63 0.0 37.4 56.0#

89 0.0 50.9 76.3#

182 0.0 2.3 3.5#

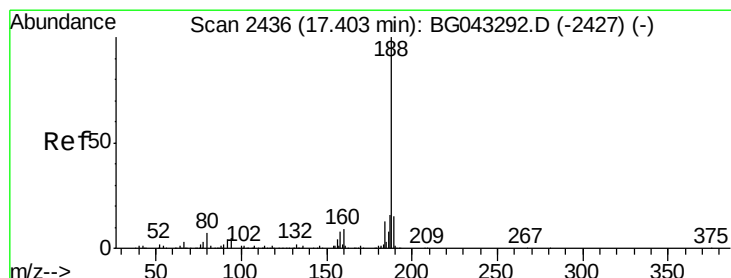
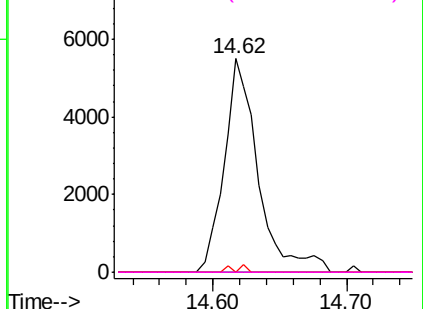


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG043734.D

Acq: 20 Nov 2019 19:08

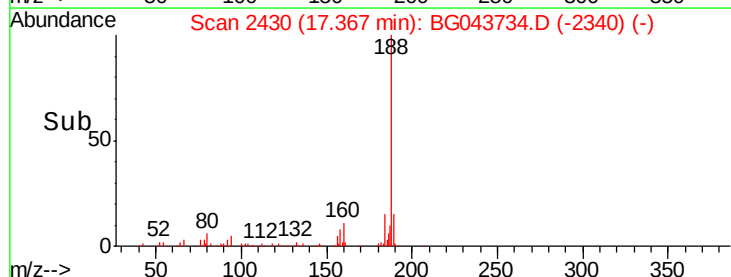
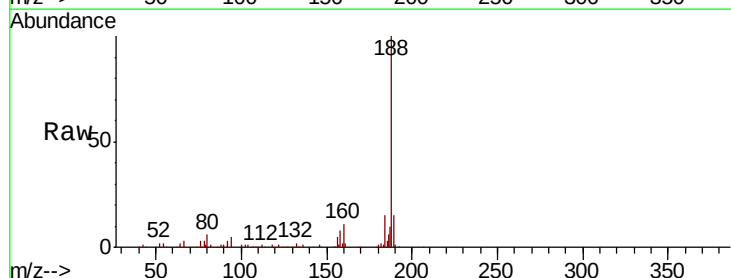
Tgt Ion:188 Resp: 183255

Ion Ratio Lower Upper

188 100

94 5.3 4.6 7.0

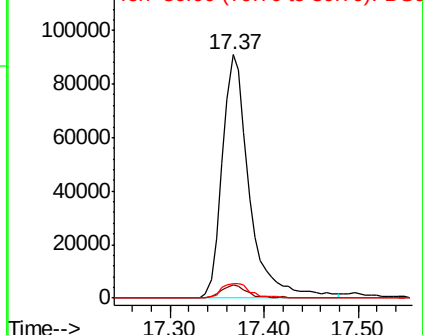
80 6.0 5.2 7.8

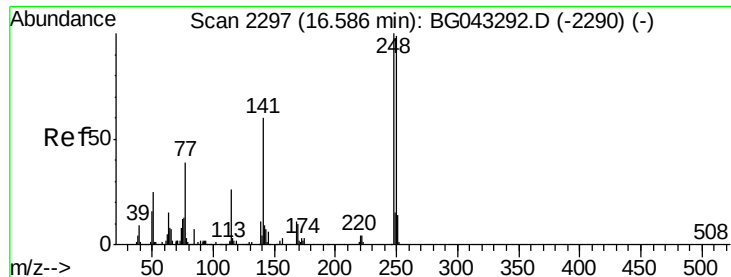


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

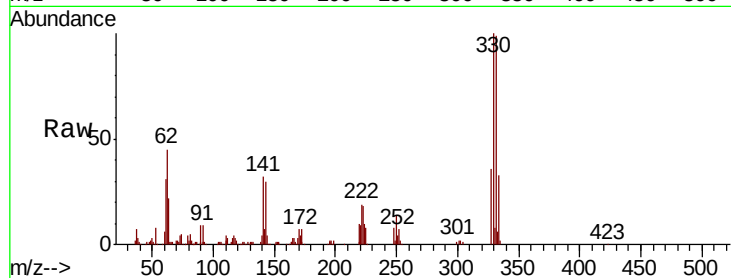




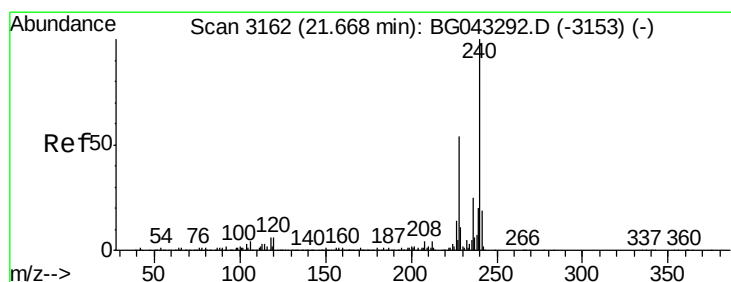
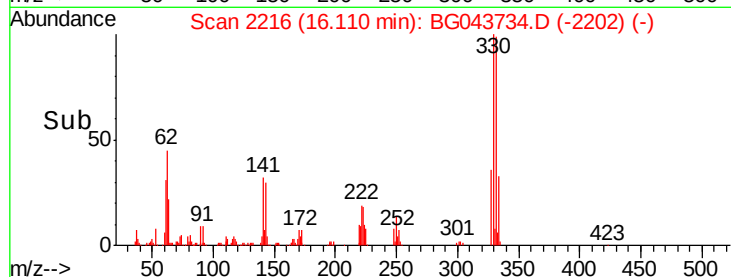
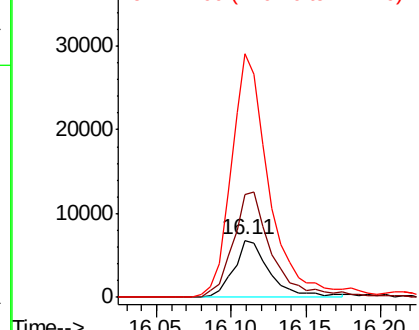
#67
4-Bromophenyl-phenylether
Concen: 4.624 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.45 min
Lab File: BG043734.D
Acq: 20 Nov 2019 19:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 11403
Ion Ratio Lower Upper
248 100
250 180.8 76.3 114.5#
141 427.1 49.5 74.3#

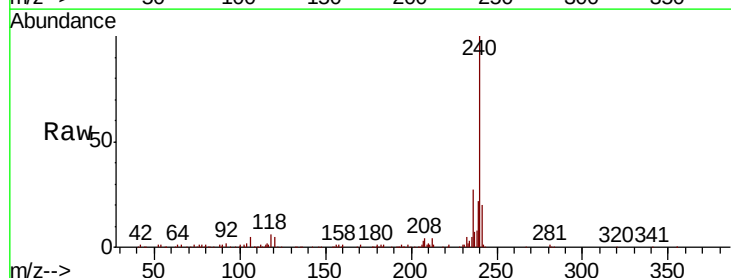


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

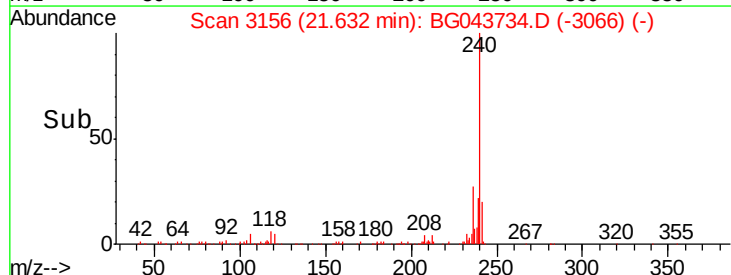
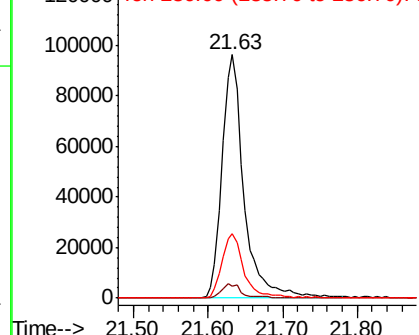


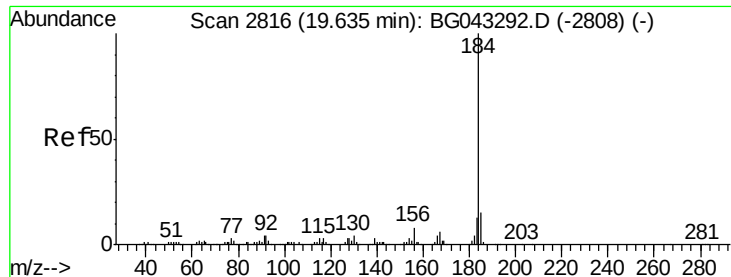
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG043734.D
Acq: 20 Nov 2019 19:08

Tgt Ion:240 Resp: 196537
Ion Ratio Lower Upper
240 100
120 4.8 4.9 7.3#
236 26.6 21.4 32.0



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: 3.930 ng

RT: 19.98 min Scan# 2874

Delta R.T. 0.36 min

Lab File: BG043734.D

Acq: 20 Nov 2019 19:08

Instrument :

BNA_G

ClientSampleId :

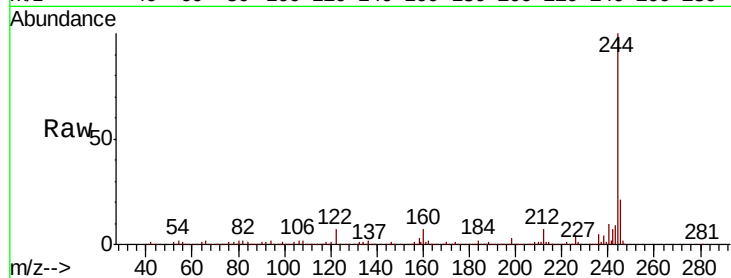
Tot Ion:184 Resp: 15546

Ion Ratio Lower Upper

184 100

185 18.1 12.7 19.1

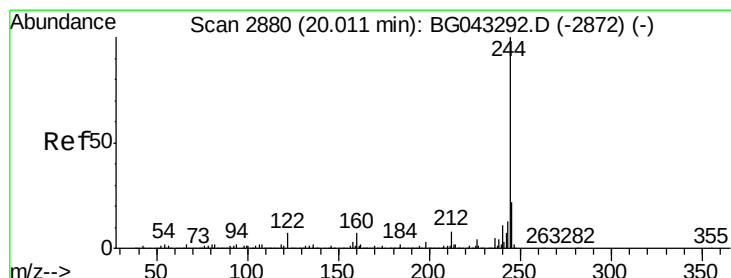
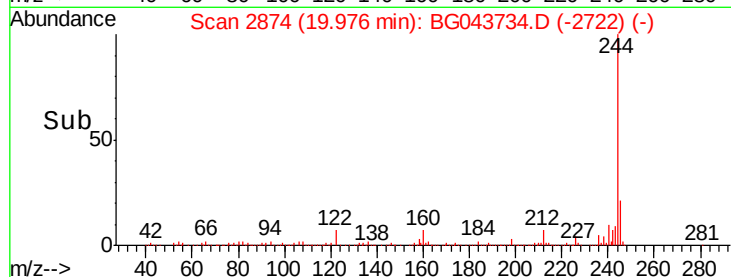
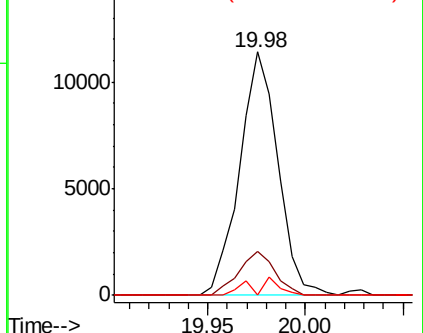
183 0.0 8.8 13.2#



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: 103.361 ng

RT: 19.98 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG043734.D

Acq: 20 Nov 2019 19:08

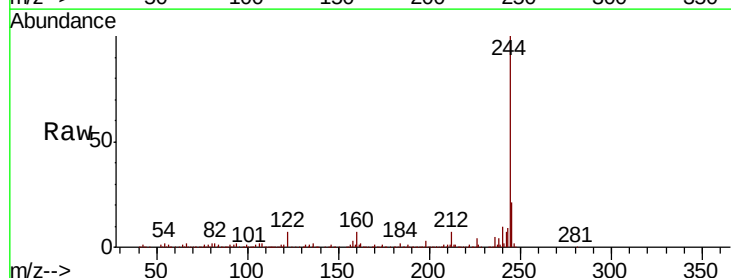
Tgt Ion:244 Resp: 1082815

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

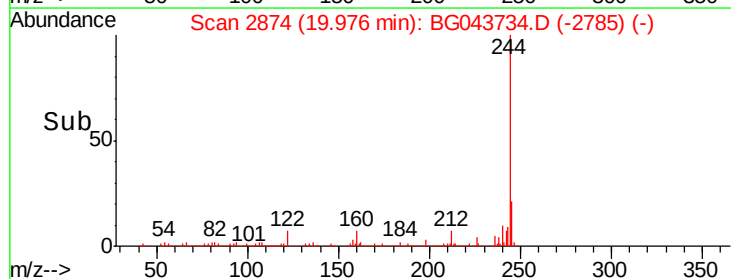
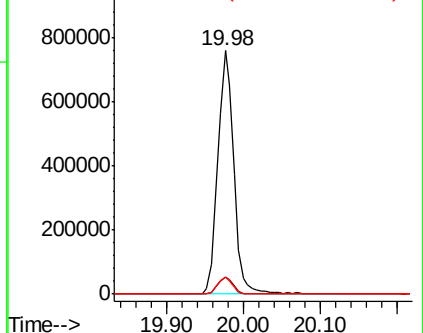
122 7.0 5.2 7.8

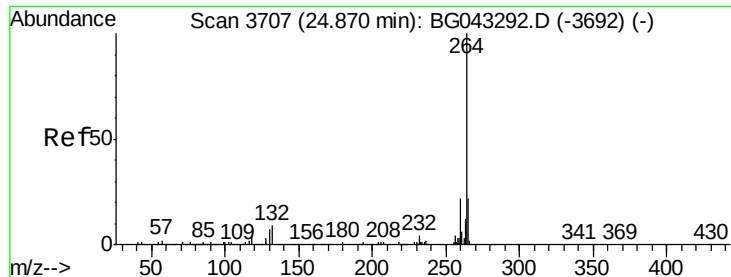


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.81 min Scan# 3697
Delta R.T. -0.00 min
Lab File: BG043734.D
Acq: 20 Nov 2019 19:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	22.5	18.4	27.6	
265	21.0	15.8	23.8	

