

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112019\
 Data File : BG043737.D
 Acq On : 20 Nov 2019 21:05
 Operator : JU
 Sample : K5934-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 00:37:06 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	27182	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	104156	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	73204	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	182505	20.00	ng	0.00
76) Chrysene-d12	21.63	240	201159	20.00	ng	0.00
87) Perylene-d12	24.81	264	224007	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	227065	153.07	ng	0.00
7) Phenol-d6	7.18	99	300640	140.87	ng	0.00
23) Nitrobenzene-d5	9.15	82	182035	90.10	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	189342	135.92	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	496494	93.72	ng	0.00
79) Terphenyl-d14	19.97	244	1099305	102.52	ng	0.00

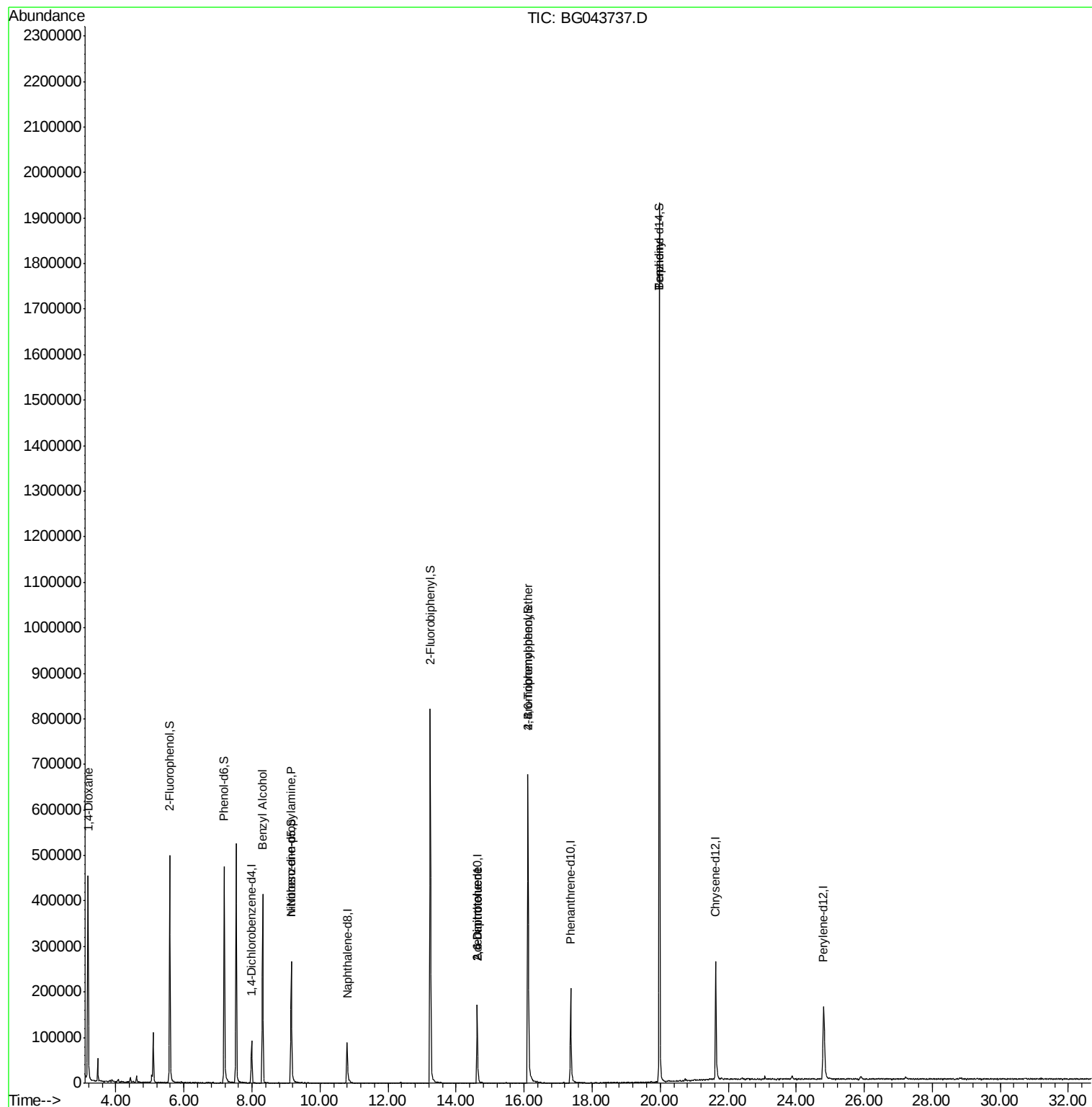
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	4911	8.496	ng	# 1
15) Benzyl Alcohol	8.31	79	3590	2.395	ng	# 56
19) n-Nitroso-di-n-propylamine	9.15	70	26627	19.308	ng	# 76
51) 2,6-Dinitrotoluene	14.62	165	9930	8.061	ng	# 25
57) 2,4-Dinitrotoluene	14.62	165	9930	5.641	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	11640	4.739	ng	# 1
77) Benzidine	19.97	184	16620	4.105	ng	# 94

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

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Misc :
ALS Vial : 15 Sample Multiplier: 1

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Quant Time: Nov 21 00:37:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
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QLast Update : Tue Nov 19 15:23:15 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BG043737.D

Acq: 20 Nov 2019 21:05

Instrument :

BNA_G

ClientSampleId :

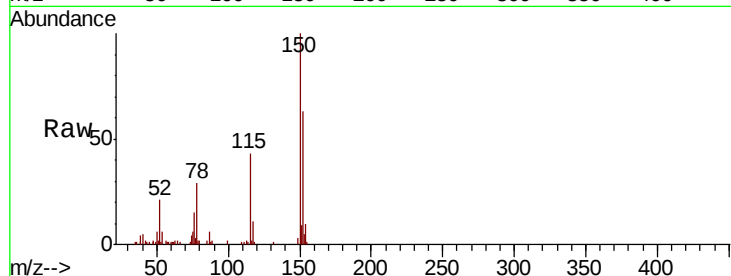
Tot Ion:152 Resp: 27182

Ion Ratio Lower Upper

152 100

150 158.4 116.6 175.0

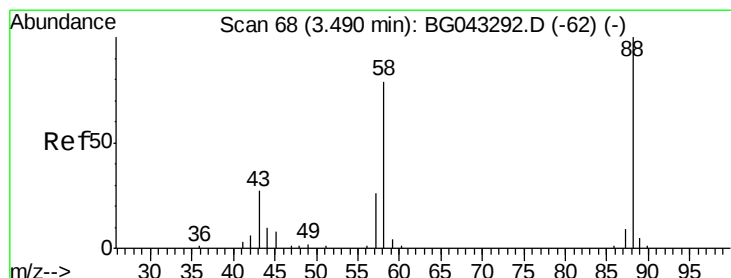
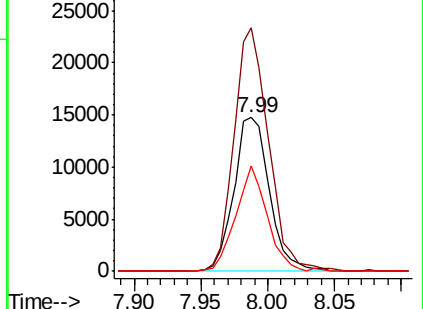
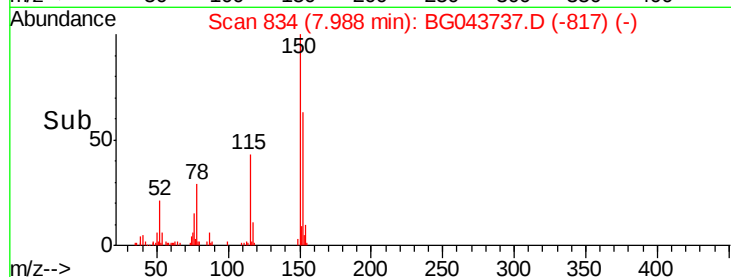
115 68.5 40.5 60.7#



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: 8.496 ng

RT: 3.19 min Scan# 17

Delta R.T. -0.26 min

Lab File: BG043737.D

Acq: 20 Nov 2019 21:05

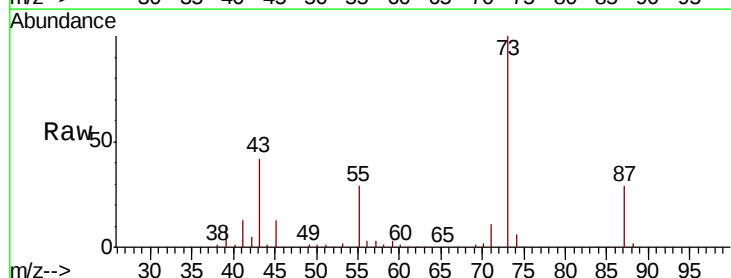
Tgt Ion: 88 Resp: 4911

Ion Ratio Lower Upper

88 100

58 58.6 62.2 93.4#

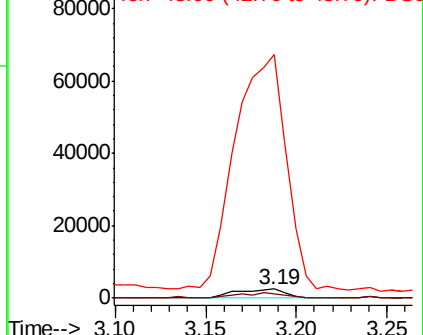
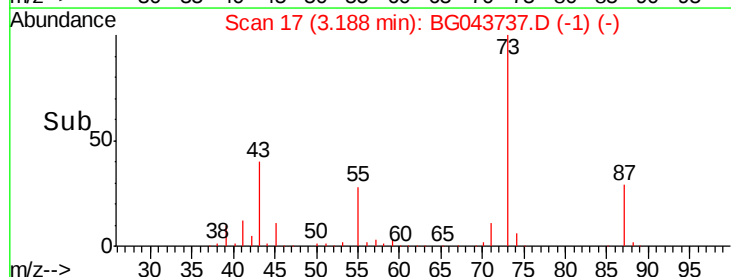
43 2582.6 30.1 45.1#

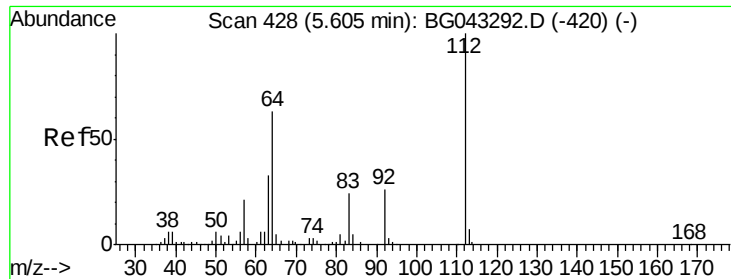


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 153.074 ng

RT: 5.58 min Scan# 424

Delta R.T. -0.00 min

Lab File: BG043737.D

Acq: 20 Nov 2019 21:05

Instrument :

BNA_G

ClientSampleId :

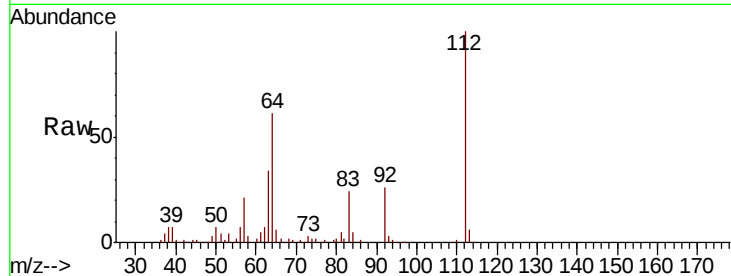
Tot Ion:112 Resp: 227065

Ion Ratio Lower Upper

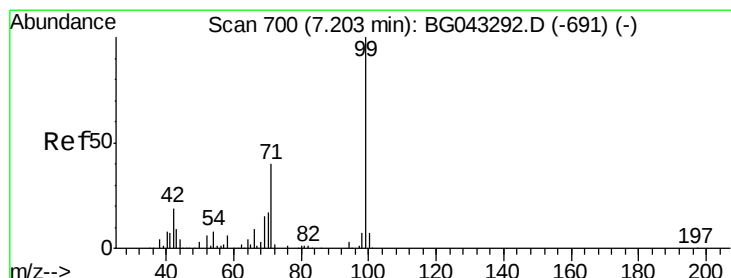
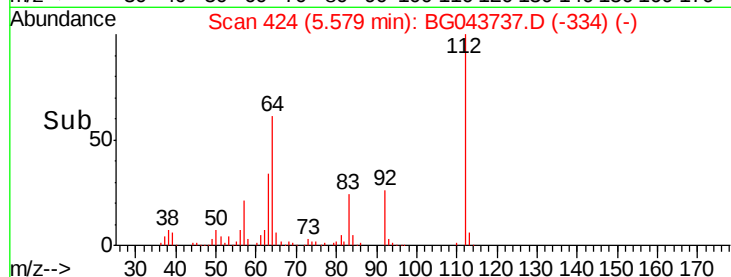
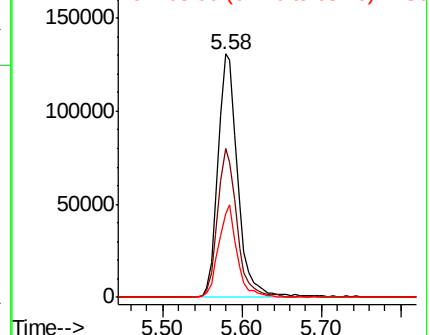
112 100

64 60.9 50.6 75.8

63 34.2 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: 140.866 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043737.D

Acq: 20 Nov 2019 21:05

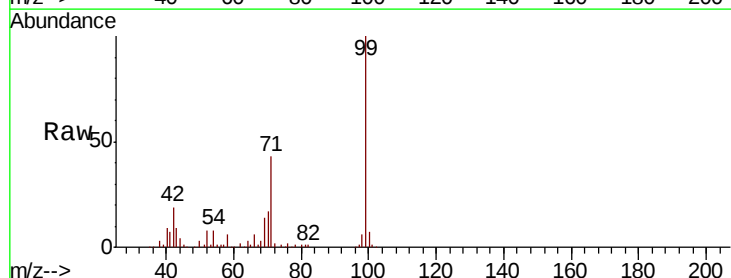
Tgt Ion: 99 Resp: 300640

Ion Ratio Lower Upper

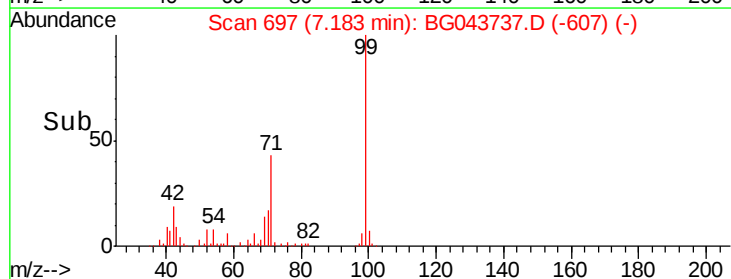
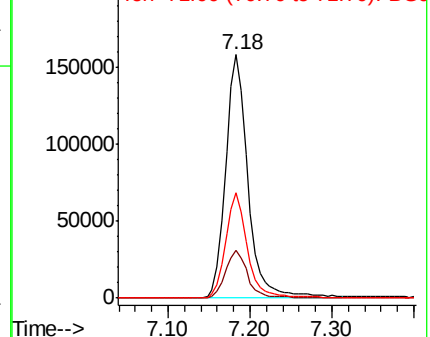
99 100

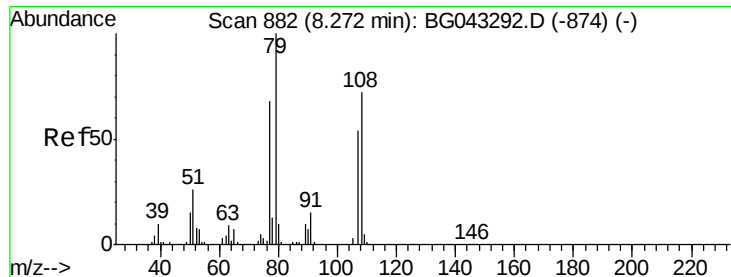
42 19.4 15.8 23.8

71 43.2 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: 2.395 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.07 min

Lab File: BG043737.D

Acq: 20 Nov 2019 21:05

Instrument :

BNA_G

ClientSampleId :

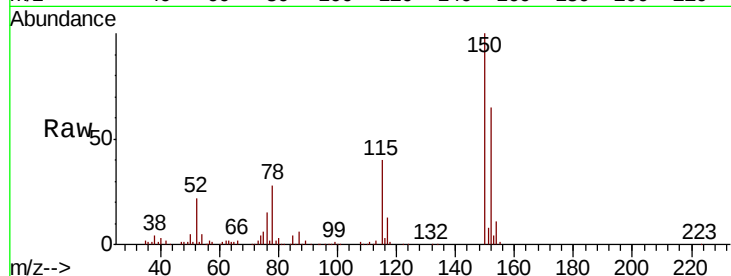
Tot Ion: 79 Resp: 3590

Ion Ratio Lower Upper

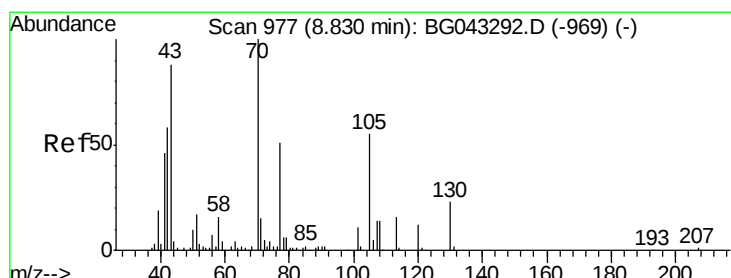
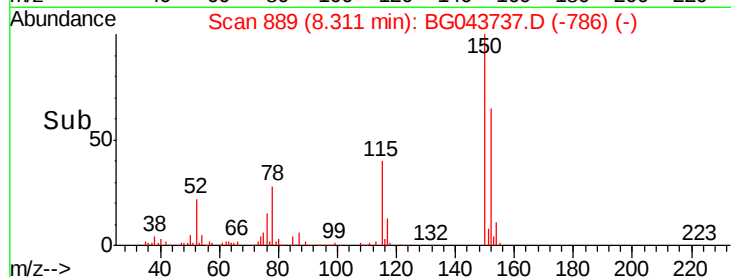
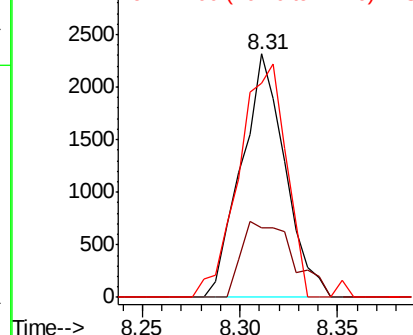
79 100

108 28.5 56.0 84.0#

77 88.0 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: 19.308 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.36 min

Lab File: BG043737.D

Acq: 20 Nov 2019 21:05

Tgt Ion: 70 Resp: 26627

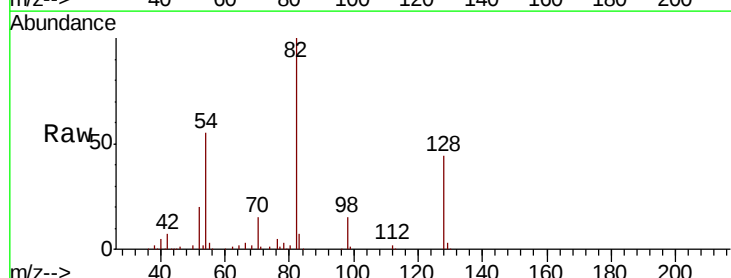
Ion Ratio Lower Upper

70 100

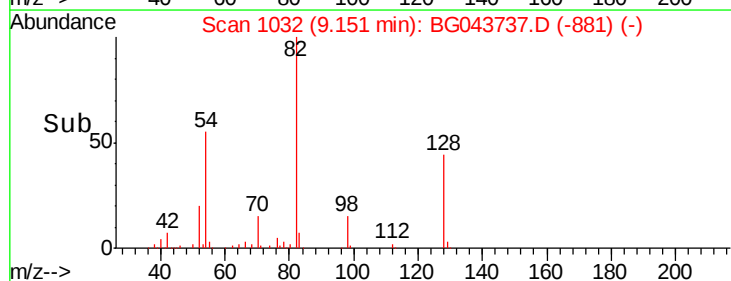
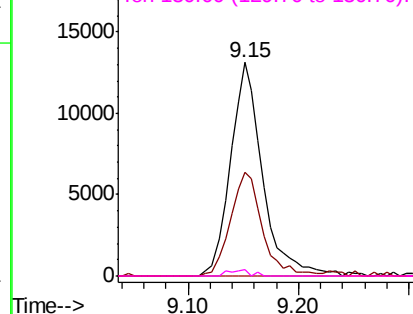
42 48.9 49.7 74.5#

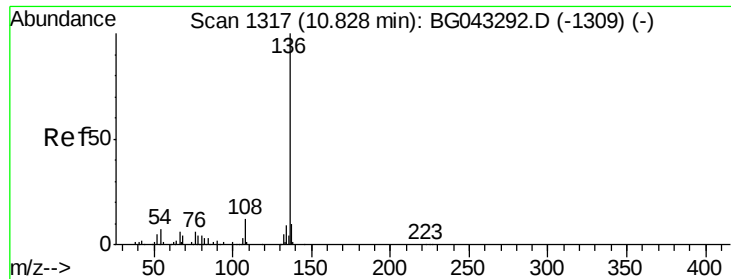
101 0.0 9.7 14.5#

130 3.0 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

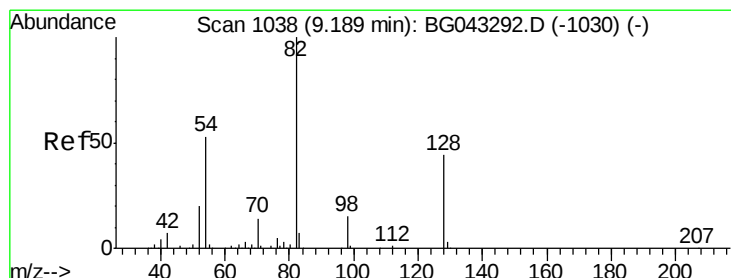
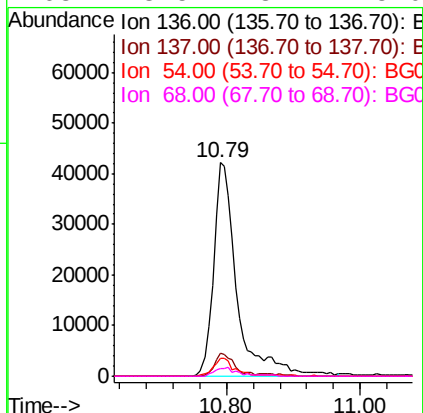
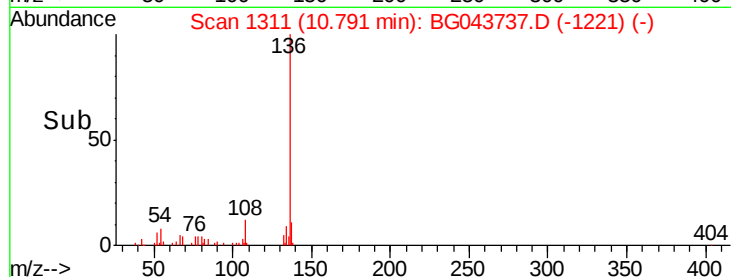
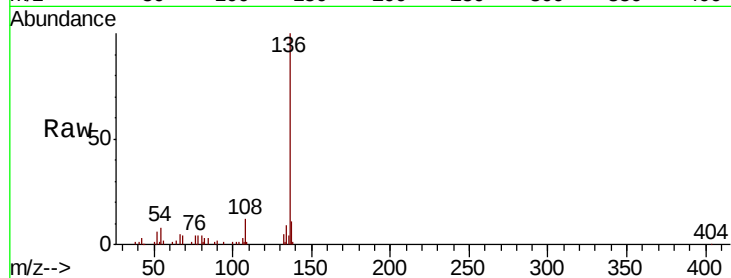




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG043737.D
Acq: 20 Nov 2019 21:05

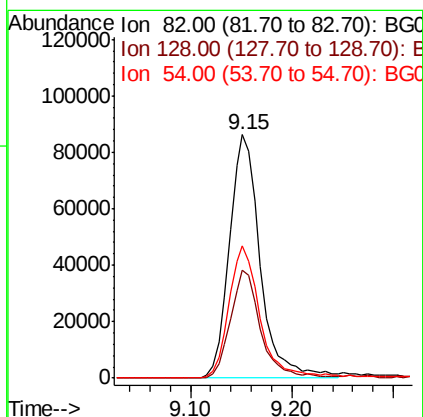
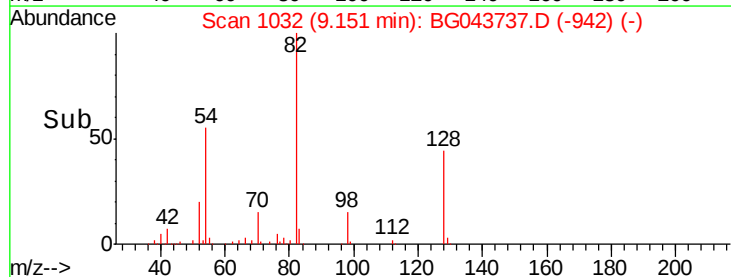
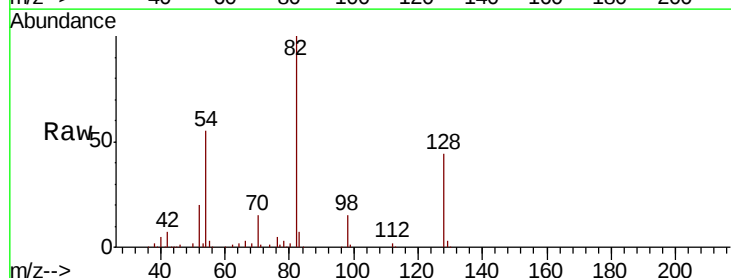
Instrument :
BNA_G
ClientSampleId :

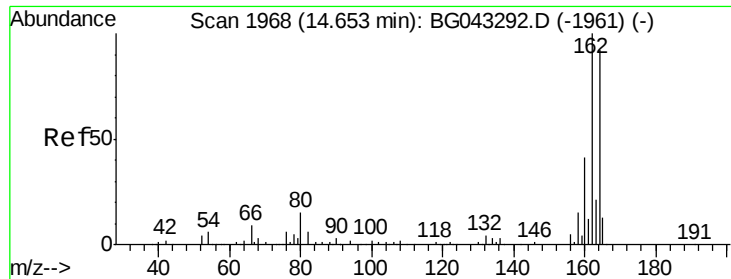
Tot Ion:136	Resp:	104156
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.8 13.2
54	8.2	6.2 9.2
68	3.5	3.4 5.0



#23
Nitrobenzene-d5
Concen: 90.103 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043737.D
Acq: 20 Nov 2019 21:05

Tgt Ion: 82	Resp:	182035
Ion	Ratio	Lower Upper
82	100	
128	44.4	34.2 51.4
54	54.6	44.7 67.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG043737.D

Acq: 20 Nov 2019 21:05

Instrument :

BNA_G

ClientSampled :

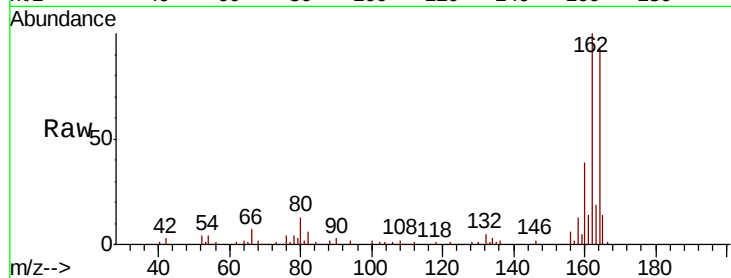
Tot Ion:164 Resp: 73204

Ion Ratio Lower Upper

164 100

162 108.0 79.4 119.2

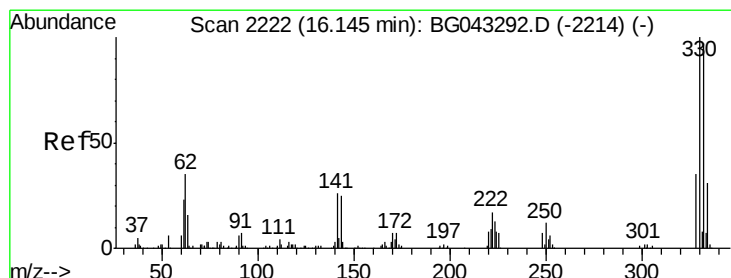
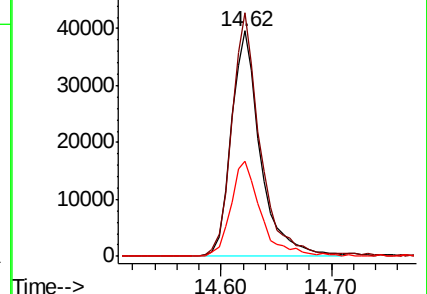
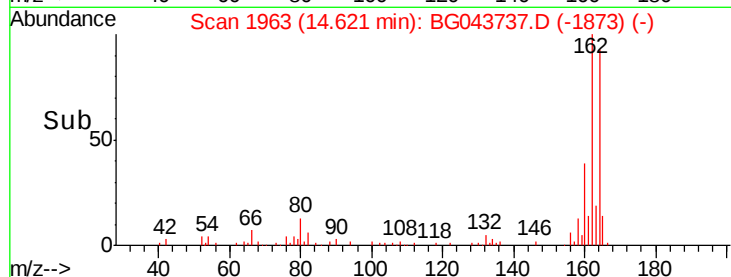
160 42.5 36.3 54.5



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: 135.917 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG043737.D

Acq: 20 Nov 2019 21:05

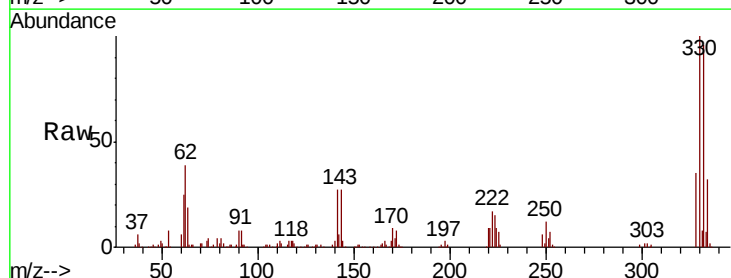
Tgt Ion:330 Resp: 189342

Ion Ratio Lower Upper

330 100

332 97.3 76.6 115.0

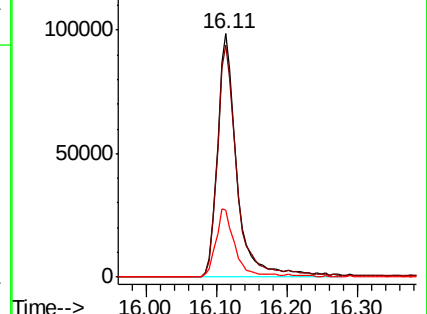
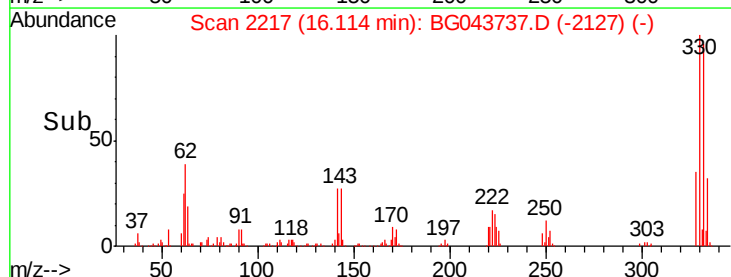
141 27.4 23.4 35.2

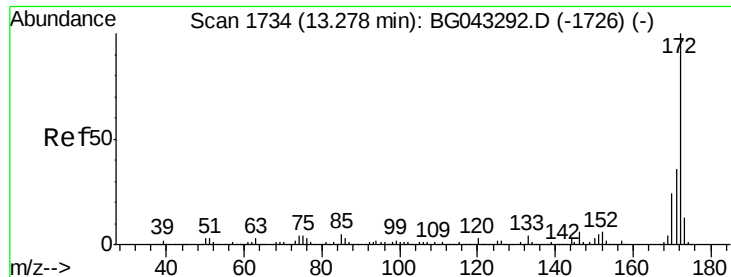


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

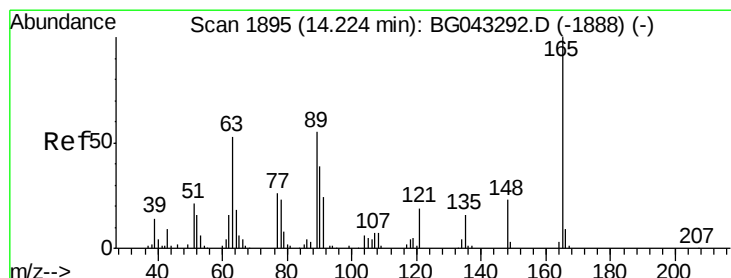
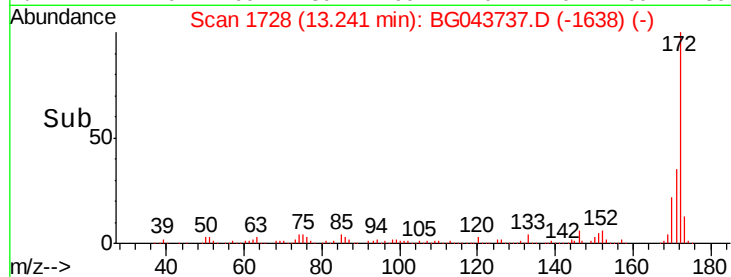
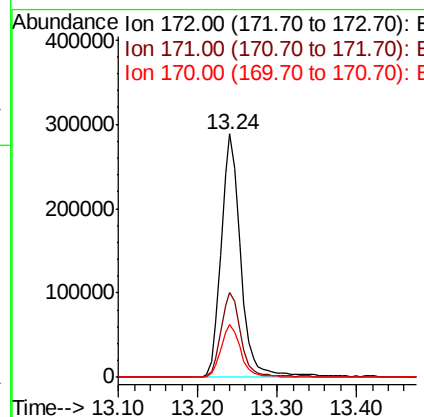
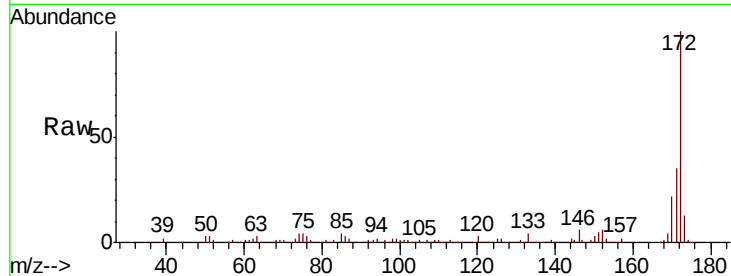




#45
 2-Fluorobiphenyl
 Concen: 93.719 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043737.D
 Acq: 20 Nov 2019 21:05

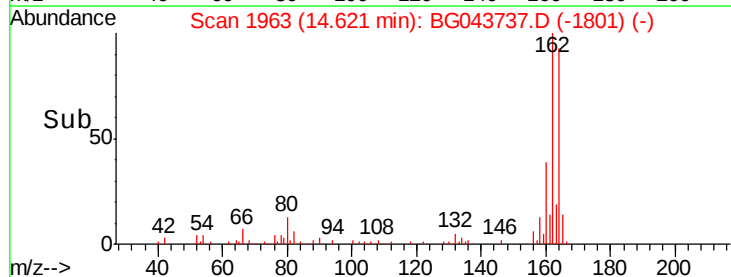
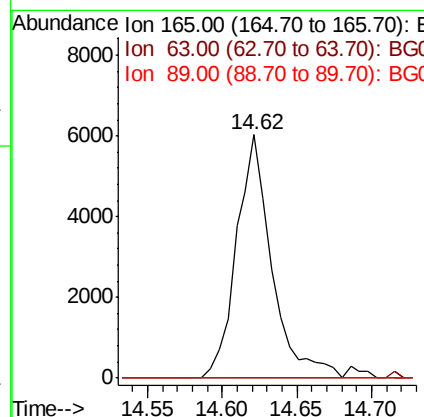
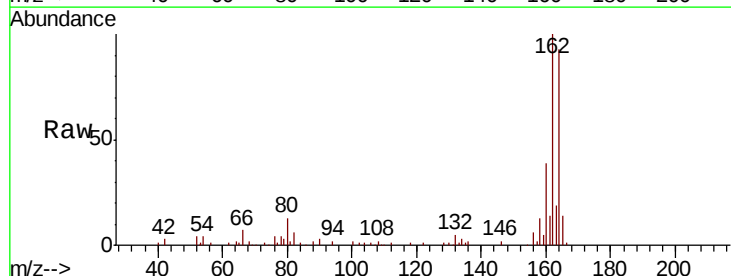
Instrument :
 BNA_G
 ClientSampleId :

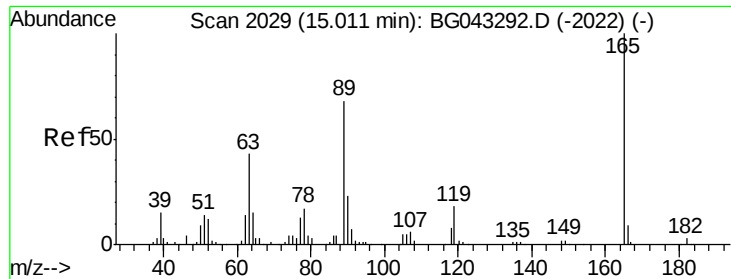
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	21.7	18.8	28.2



#51
 2,6-Dinitrotoluene
 Concen: 8.061 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.42 min
 Lab File: BG043737.D
 Acq: 20 Nov 2019 21:05

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

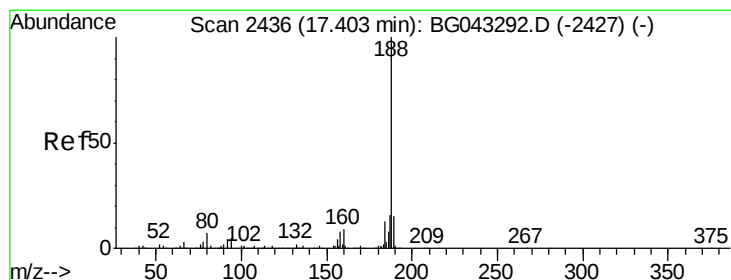
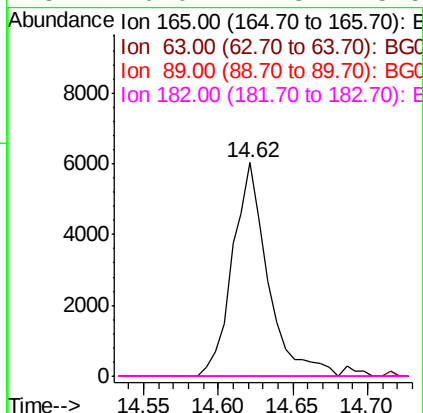
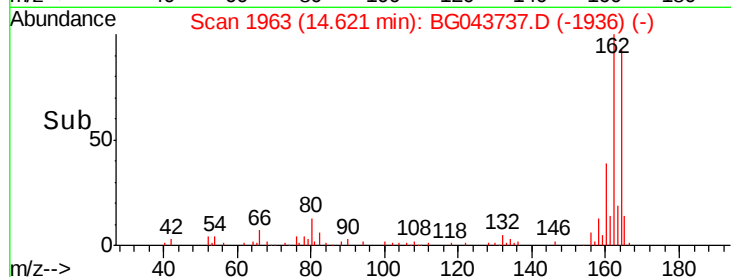
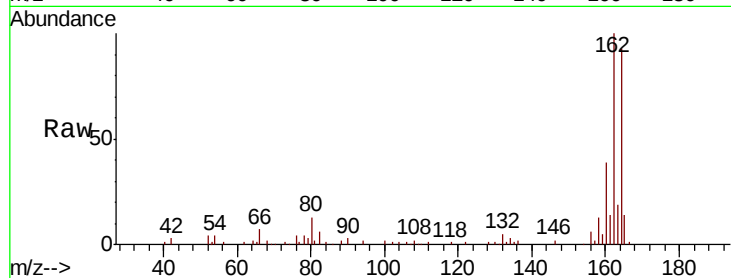




#57
 2,4-Dinitrotoluene
 Concen: 5.641 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.37 min
 Lab File: BG043737.D
 Acq: 20 Nov 2019 21:05

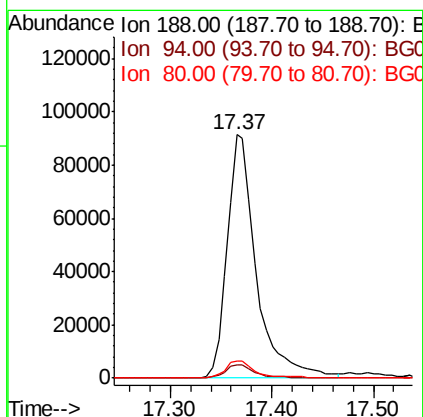
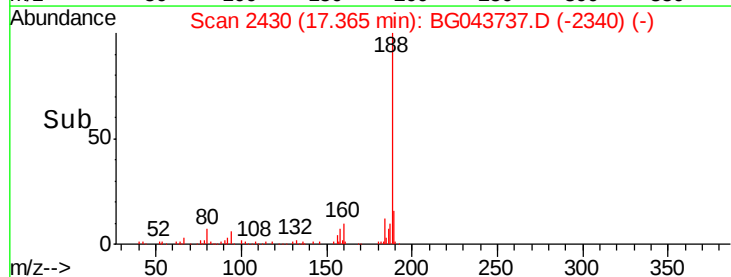
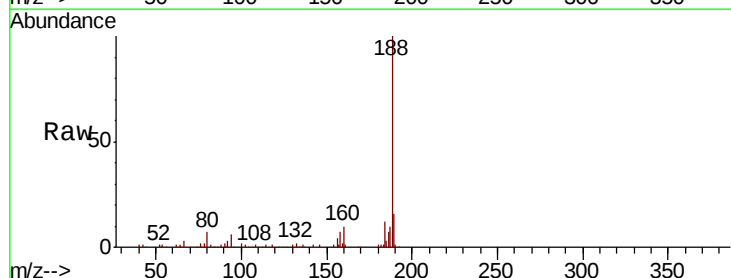
Instrument :
 BNA_G
 ClientSampleId :

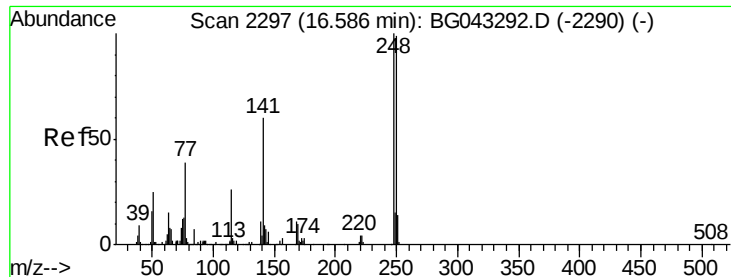
Tot Ion:165	Resp: 9930
Ion Ratio	Lower Upper
165 100	
63 0.0	37.4 56.0#
89 0.0	50.9 76.3#
182 0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG043737.D
 Acq: 20 Nov 2019 21:05

Tgt	Ion:188	Resp:	182505
Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.6	7.0
80	7.2	5.2	7.8

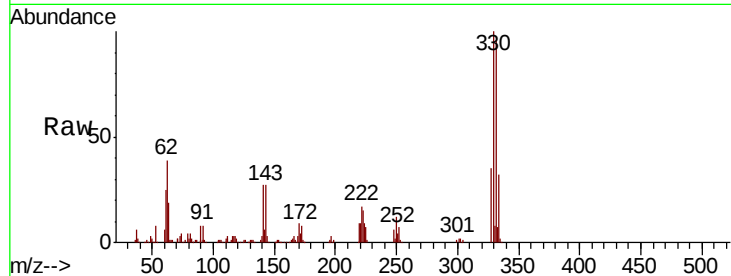




#67
 4-Bromophenyl-phenylether
 Concen: 4.739 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.44 min
 Lab File: BG043737.D
 Acq: 20 Nov 2019 21:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
248	100			
250	193.8	76.3	114.5#	
141	425.1	49.5	74.3#	

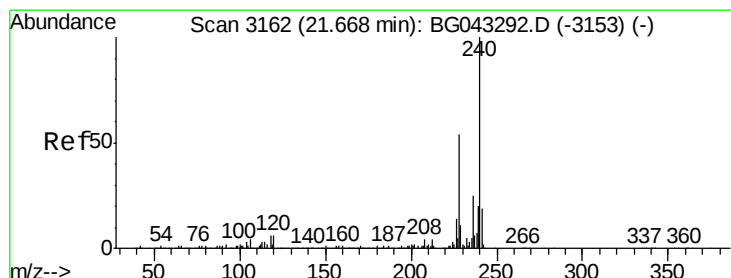
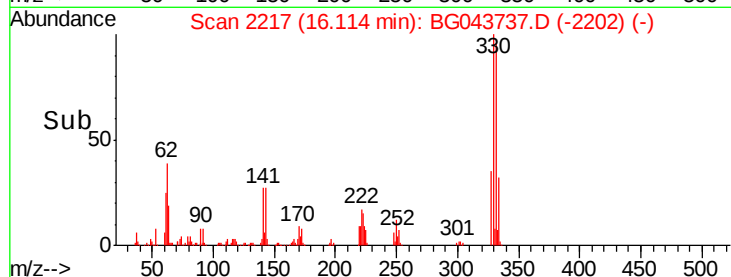
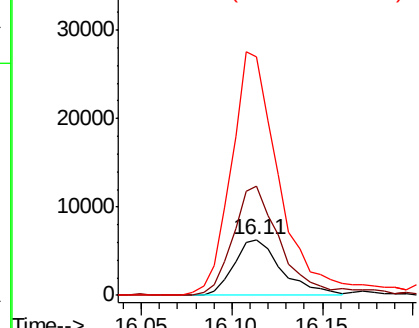


Abundance

Ion 248.00 (247.70 to 248.70): E

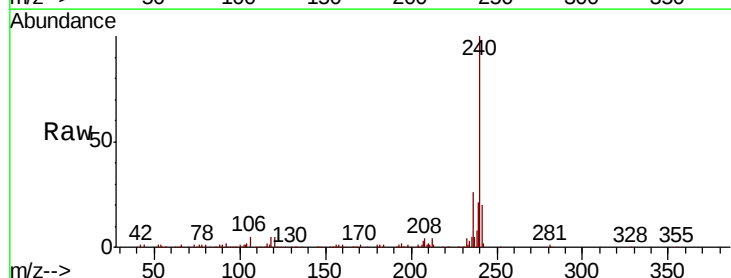
Ion 250.00 (249.70 to 250.70): E

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: BG043737.D
 Acq: 20 Nov 2019 21:05

Tgt Ion	Ion	Ratio	Lower	Upper
240	100			
120	5.4	4.9	7.3	
236	25.6	21.4	32.0	

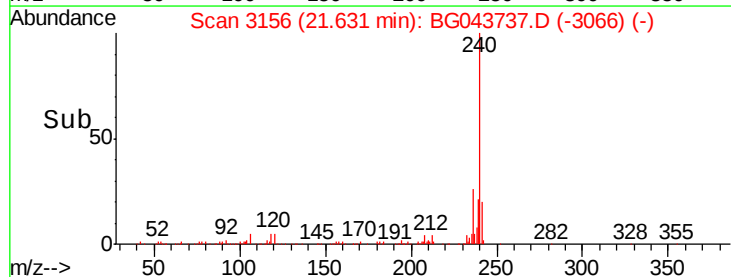
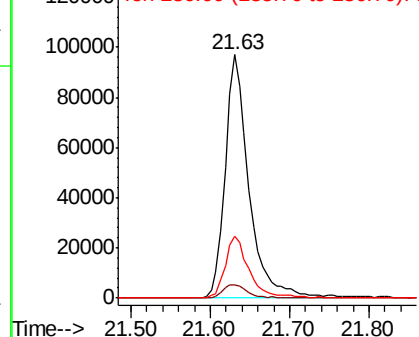


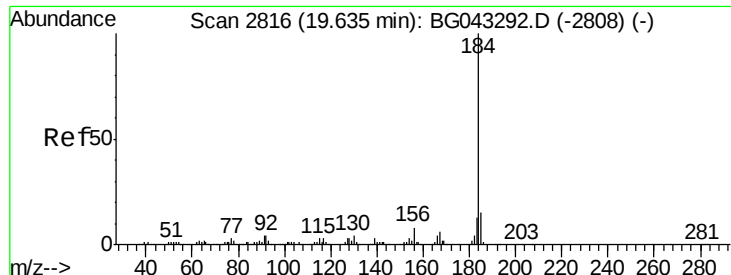
Abundance

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: 4.105 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.36 min

Lab File: BG043737.D

Acq: 20 Nov 2019 21:05

Instrument :

BNA_G

ClientSampleId :

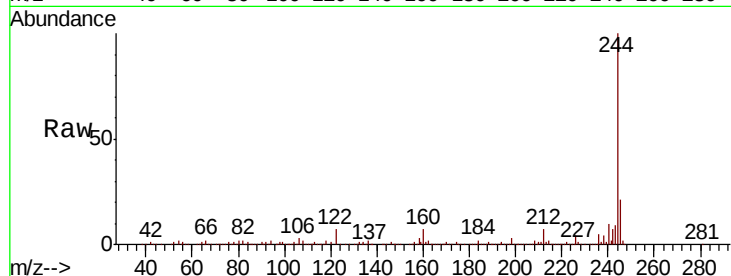
Tot Ion:184 Resp: 16620

Ion Ratio Lower Upper

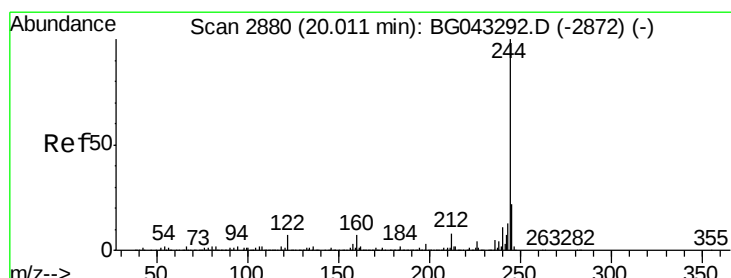
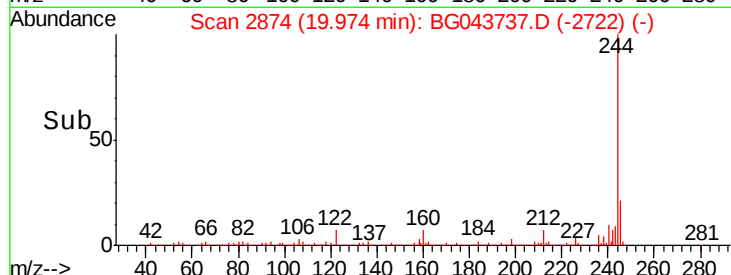
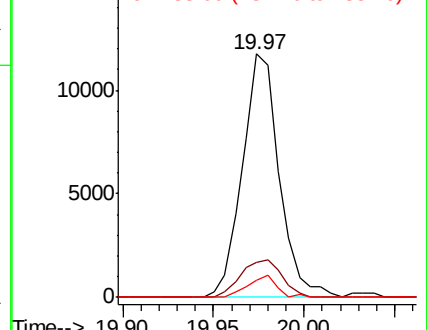
184 100

185 14.5 12.7 19.1

183 7.1 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: 102.524 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG043737.D

Acq: 20 Nov 2019 21:05

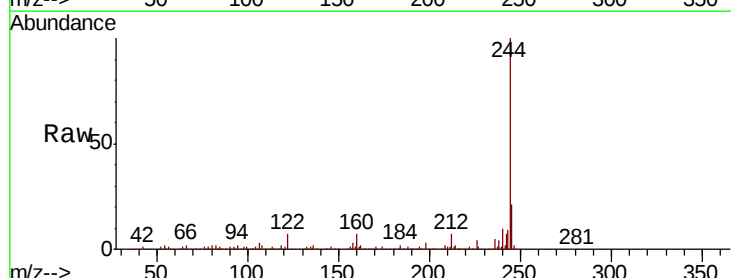
Tgt Ion:244 Resp: 1099305

Ion Ratio Lower Upper

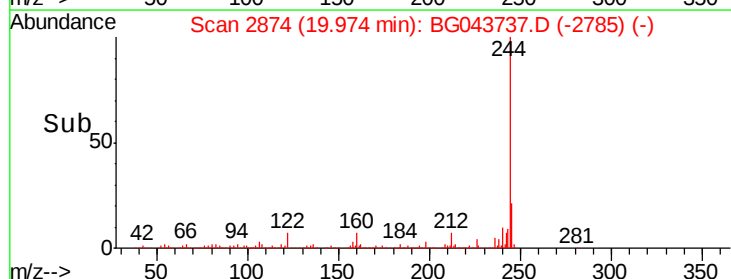
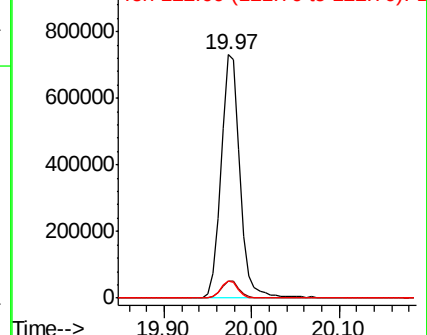
244 100

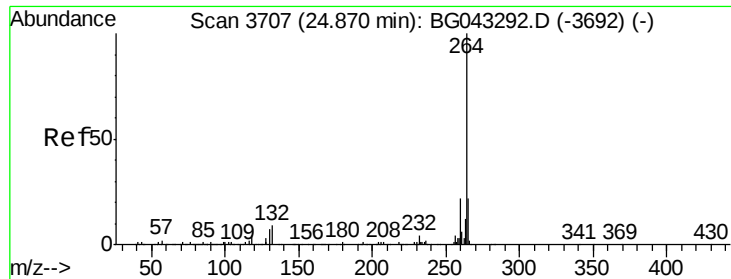
212 7.2 5.6 8.4

122 7.1 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: BG043737.D
 Acq: 20 Nov 2019 21:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	21.8	15.8	23.8

