

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111419\
 Data File : BG043652.D
 Acq On : 15 Nov 2019 8:56
 Operator : JU
 Sample : K5668-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 15 10:06:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	29336	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	104423	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	84044	20.00	ng	-0.01
64) Phenanthrene-d10	17.38	188	190231	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	207199	20.00	ng	-0.01
87) Perylene-d12	24.83	264	238519	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	232631	145.31	ng	0.00
7) Phenol-d6	7.20	99	308505	133.94	ng	0.00
23) Nitrobenzene-d5	9.16	82	195107	96.33	ng	-0.01
42) 2,4,6-Tribromophenol	16.12	330	182698	114.23	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	550207	90.46	ng	-0.01
79) Terphenyl-d14	19.99	244	1071467	97.01	ng	-0.01

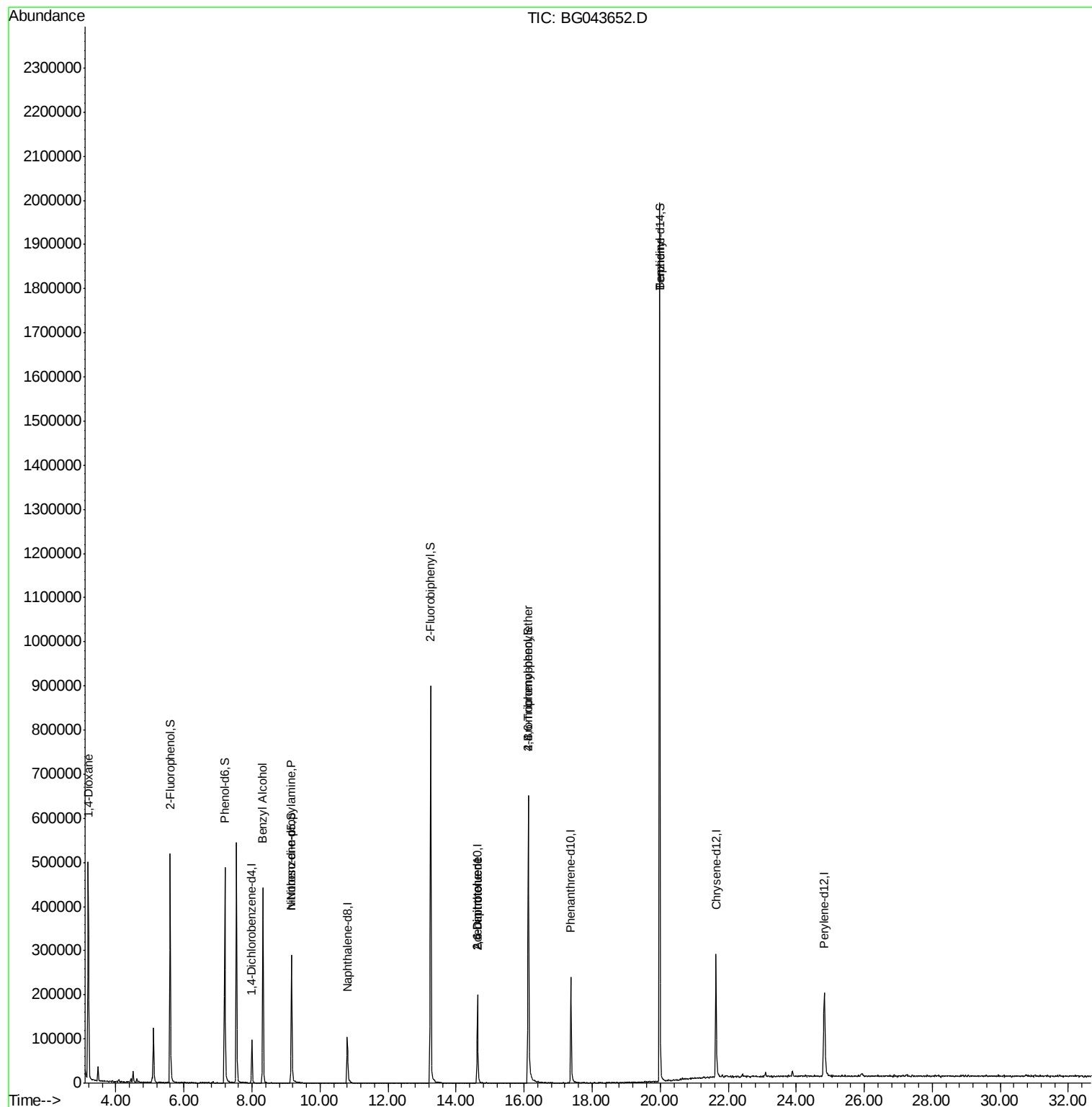
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	5498	8.813	ng	# 1
15) Benzyl Alcohol	8.32	79	3798	2.348	ng	# 53
19) n-Nitroso-di-n-propylamine	9.16	70	27824	18.694	ng	# 75
51) 2,6-Dinitrotoluene	14.63	165	10501	7.425	ng	# 27
57) 2,4-Dinitrotoluene	14.63	165	10501	5.196	ng	# 30
67) 4-Bromophenyl-phenylether	16.13	248	10925	4.267	ng	# 1
77) Benzidine	19.99	184	15155	3.634	ng	# 76

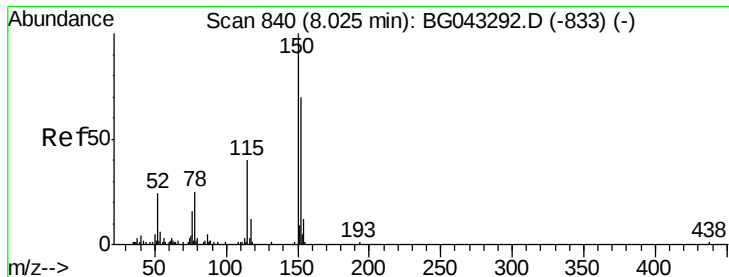
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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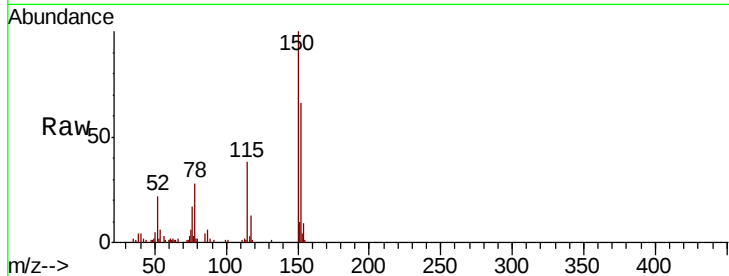


#1

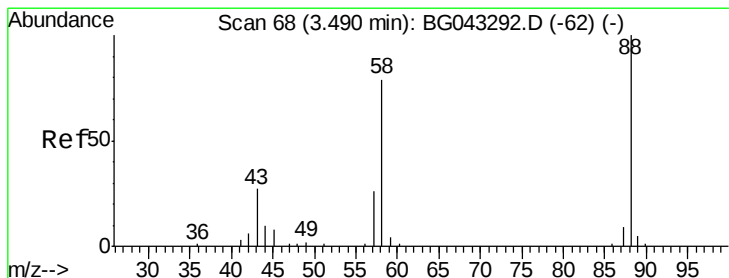
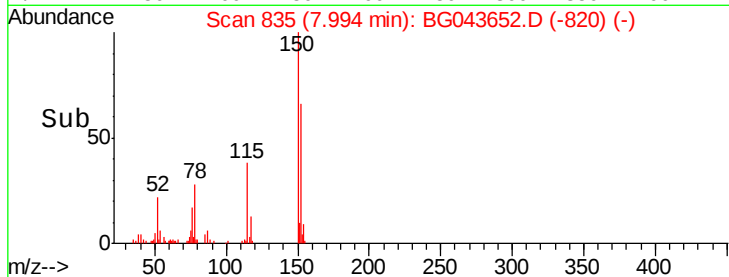
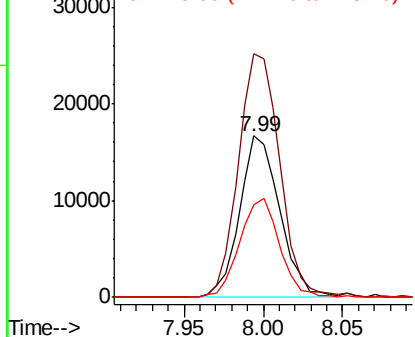
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043652.D
Acq: 15 Nov 2019 8:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29336
Ion Ratio Lower Upper
152 100
150 151.0 129.4 194.0
115 57.8 48.8 73.2



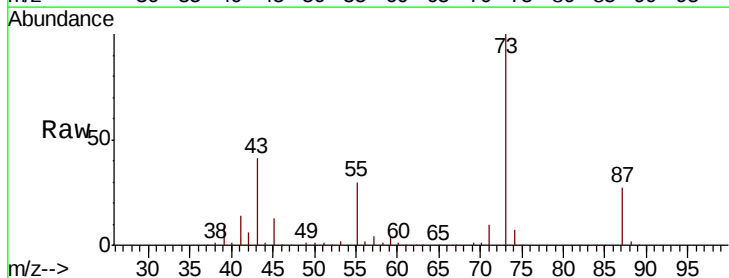
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



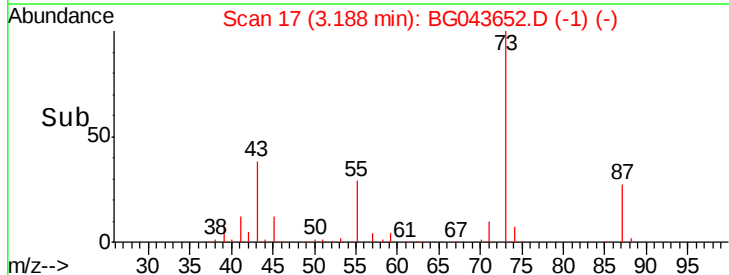
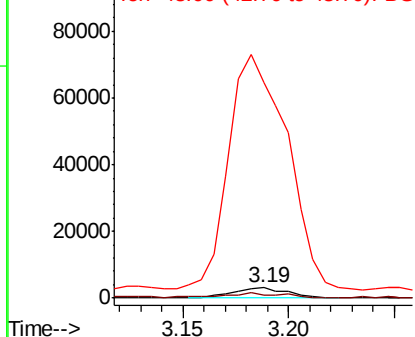
#2

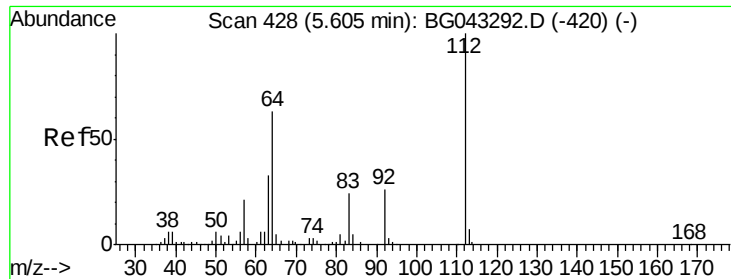
1,4-Dioxane
Concen: 8.813 ng
RT: 3.19 min Scan# 17
Delta R.T. -0.28 min
Lab File: BG043652.D
Acq: 15 Nov 2019 8:56

Tgt Ion: 88 Resp: 5498
Ion Ratio Lower Upper
88 100
58 49.7 62.7 94.1#
43 2475.1 23.7 35.5#



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: 145.311 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG043652.D

Acq: 15 Nov 2019 8:56

Instrument :

BNA_G

ClientSampleId :

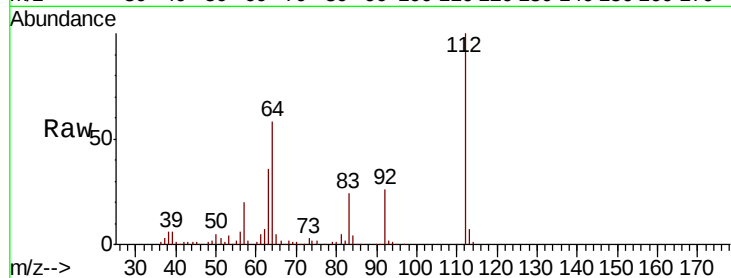
Tot Ion:112 Resp: 232631

Ion Ratio Lower Upper

112 100

64 58.0 50.0 75.0

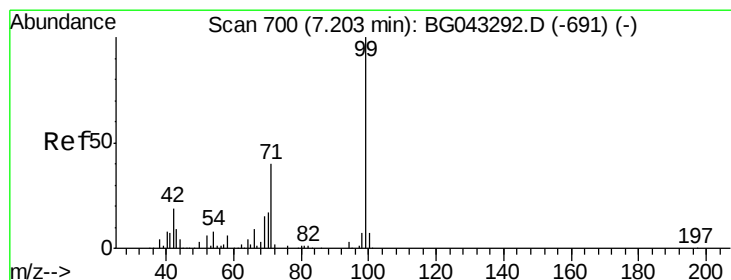
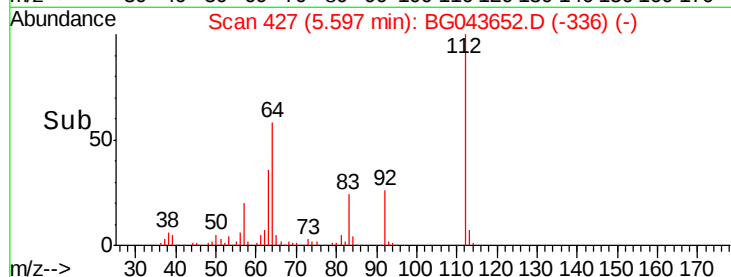
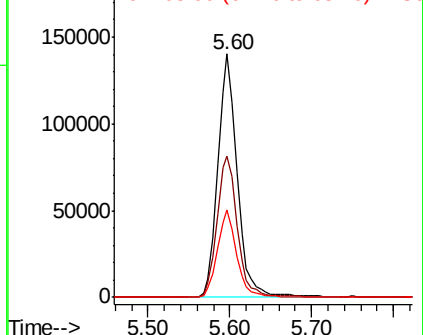
63 36.1 26.6 40.0



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: 133.938 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043652.D

Acq: 15 Nov 2019 8:56

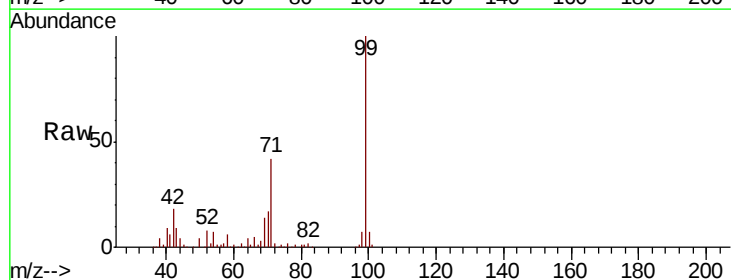
Tgt Ion: 99 Resp: 308505

Ion Ratio Lower Upper

99 100

42 18.2 14.6 21.8

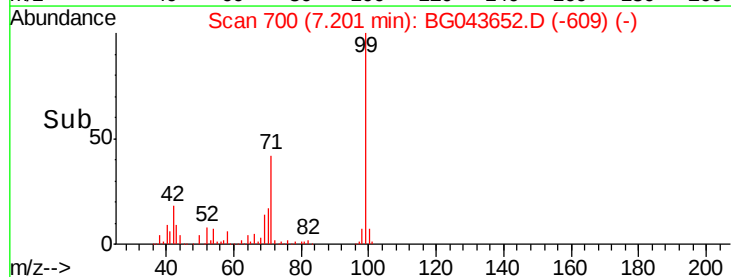
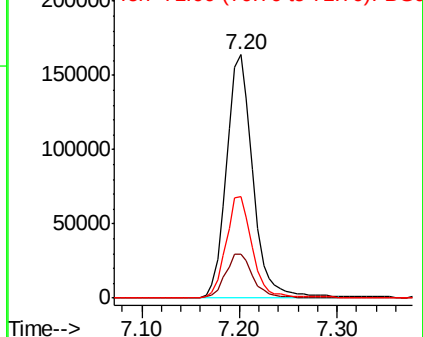
71 41.6 32.5 48.7

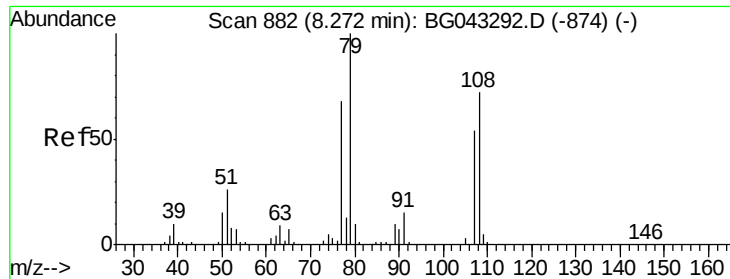


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.348 ng

RT: 8.32 min Scan# 890

Delta R.T. 0.06 min

Lab File: BG043652.D

Acq: 15 Nov 2019 8:56

Instrument :

BNA_G

ClientSampleId :

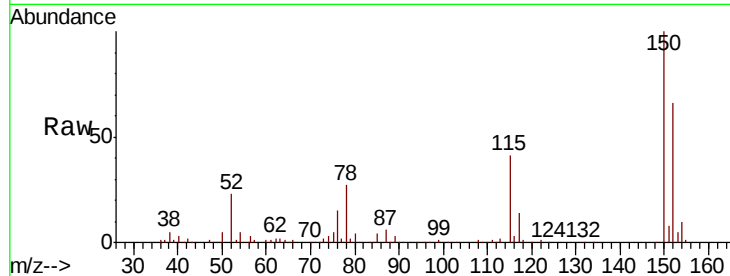
Tot Ion: 79 Resp: 3798

Ion Ratio Lower Upper

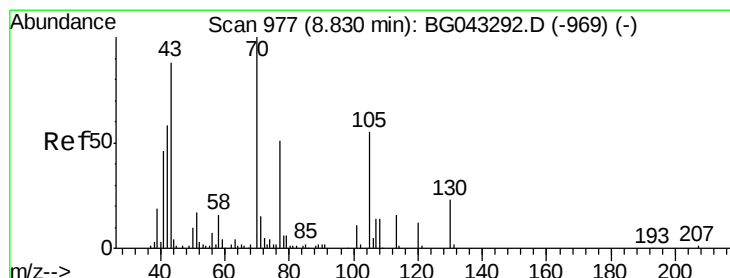
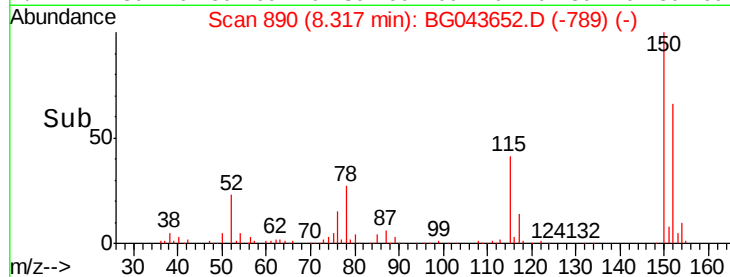
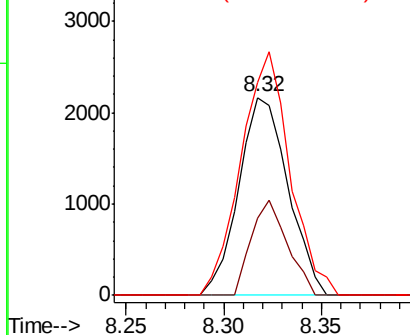
79 100

108 39.1 53.6 80.4#

77 107.8 49.6 74.4#



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: 18.694 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG043652.D

Acq: 15 Nov 2019 8:56

Tgt Ion: 70 Resp: 27824

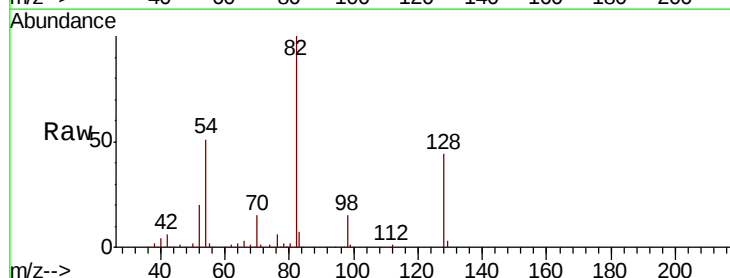
Ion Ratio Lower Upper

70 100

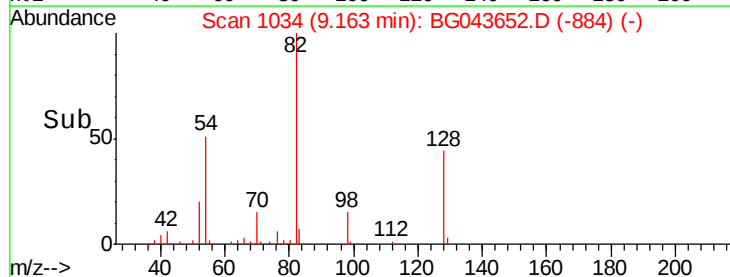
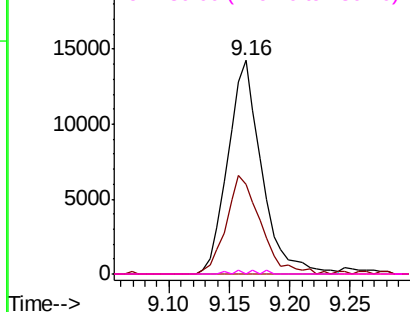
42 42.2 41.4 62.2

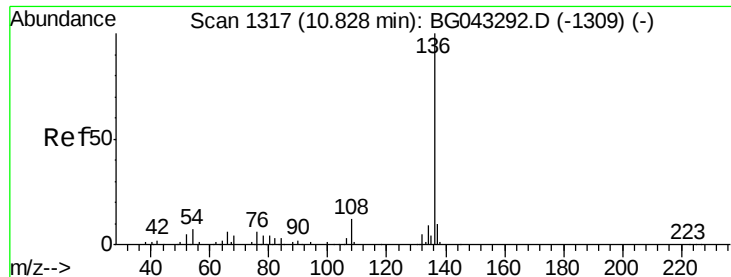
101 0.0 7.9 11.9#

130 0.0 19.0 28.4#



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: 10.80 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BG043652.D

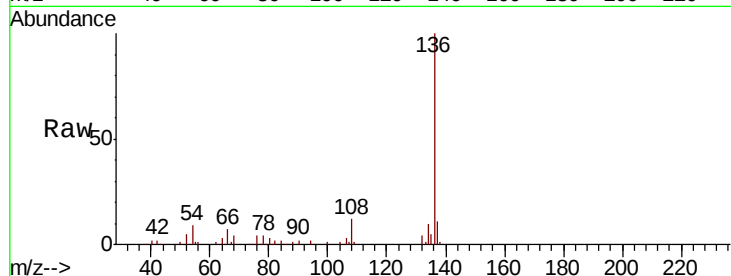
Acq: 15 Nov 2019 8:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	104423
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.7 13.1
54	8.5	5.4 8.2#
68	4.2	3.0 4.4

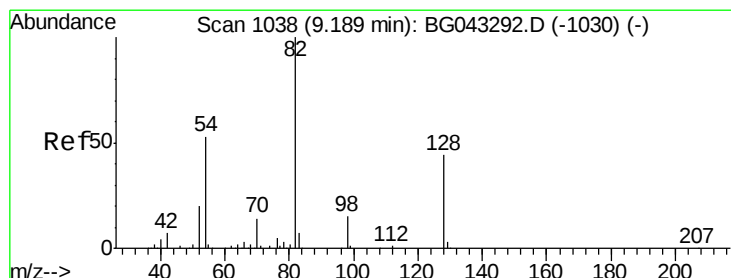
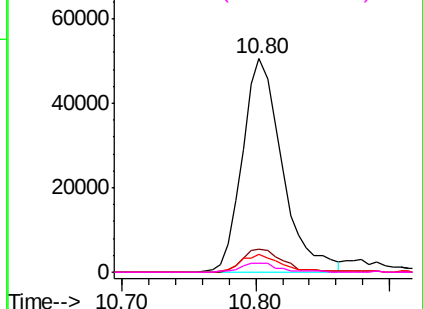
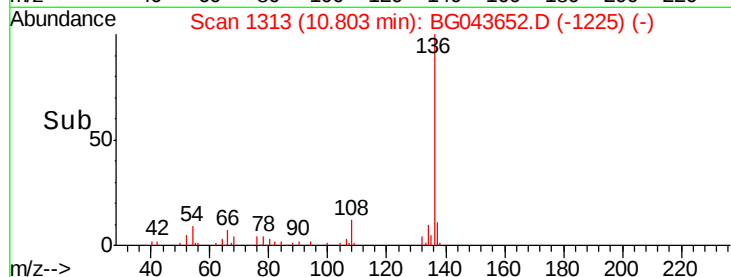


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.326 ng

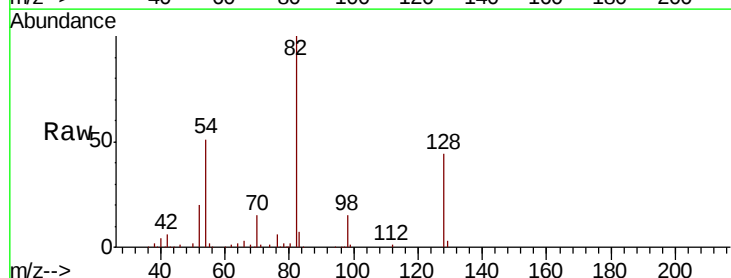
RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG043652.D

Acq: 15 Nov 2019 8:56

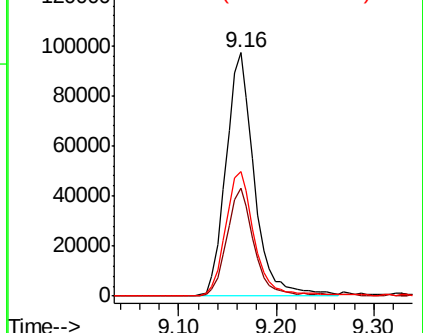
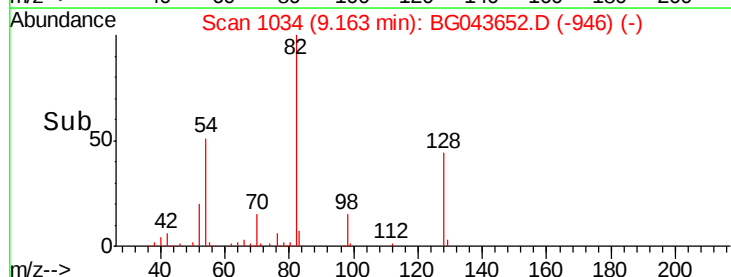
Tgt Ion: 82	Resp:	195107
Ion Ratio	Lower	Upper
82	100	
128	44.1	35.0 52.6
54	51.2	40.2 60.2

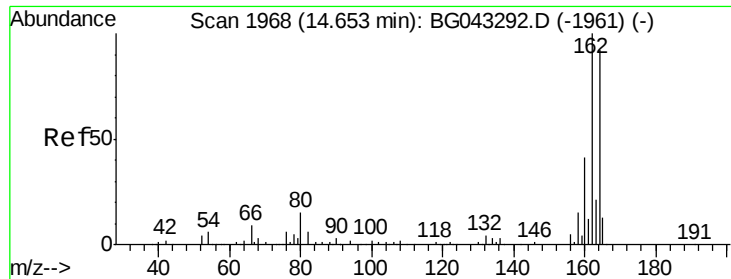


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG043652.D

Acq: 15 Nov 2019 8:56

Instrument :

BNA_G

ClientSampleId :

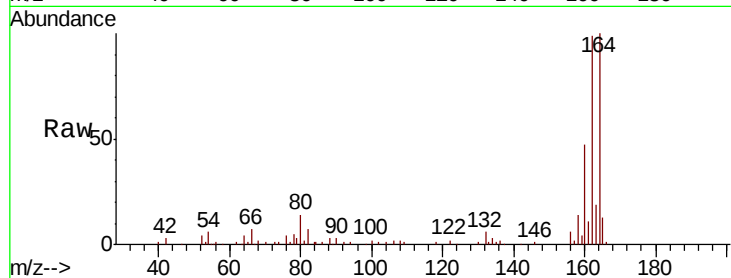
Tot Ion:164 Resp: 84044

Ion Ratio Lower Upper

164 100

162 98.6 83.5 125.3

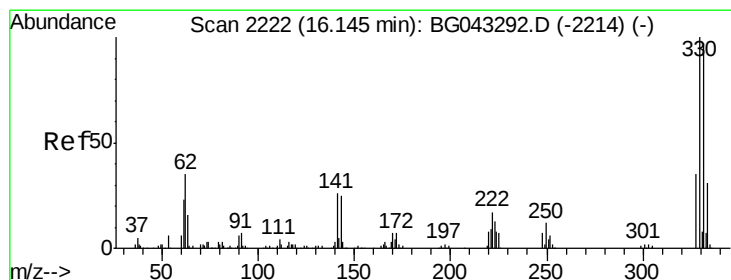
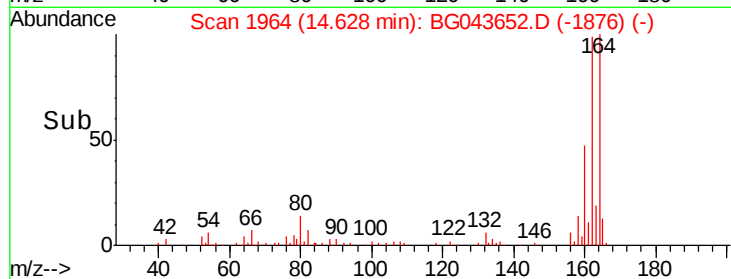
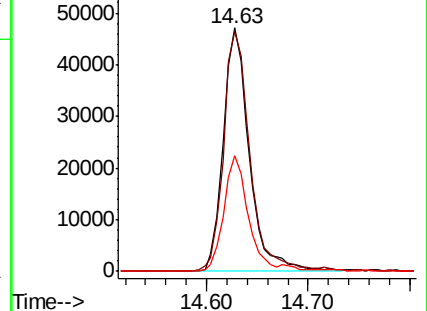
160 47.4 36.5 54.7



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: 114.232 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BG043652.D

Acq: 15 Nov 2019 8:56

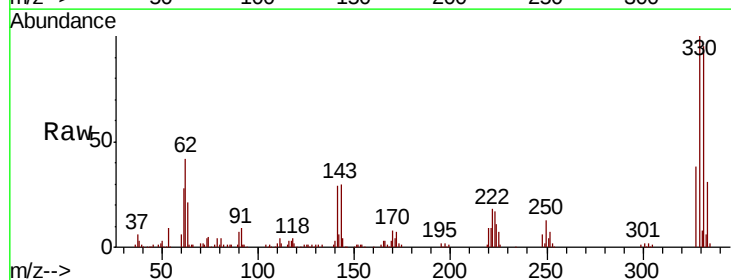
Tgt Ion:330 Resp: 182698

Ion Ratio Lower Upper

330 100

332 98.0 77.4 116.0

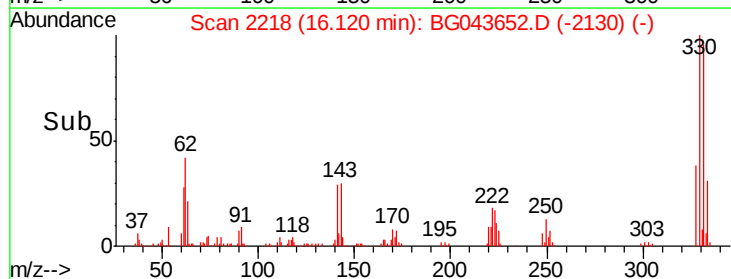
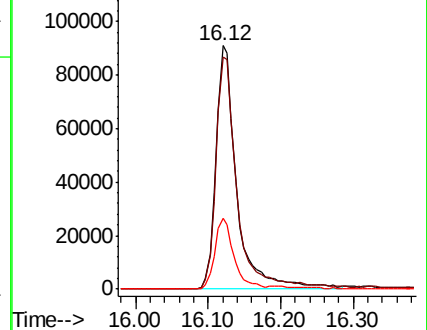
141 26.6 22.8 34.2

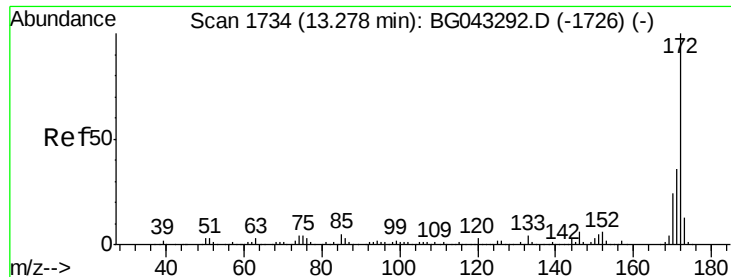


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

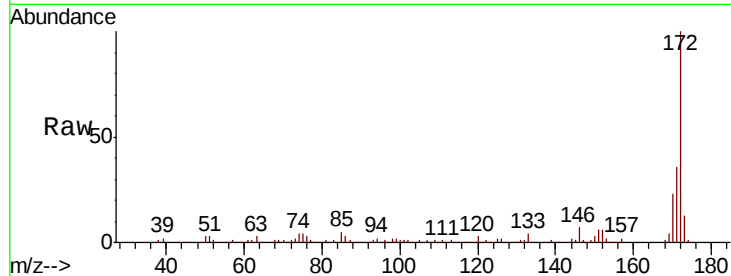




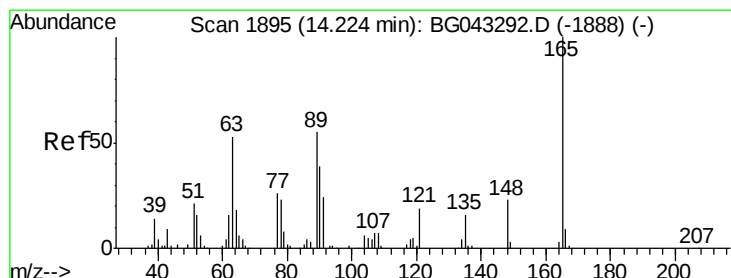
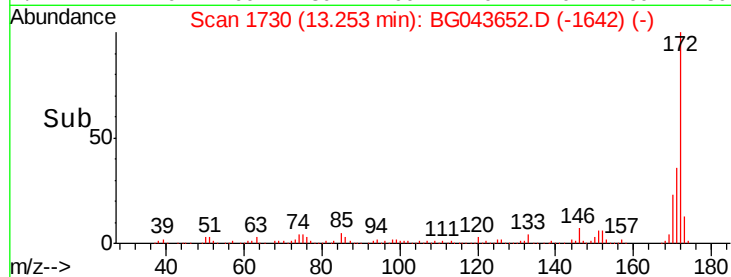
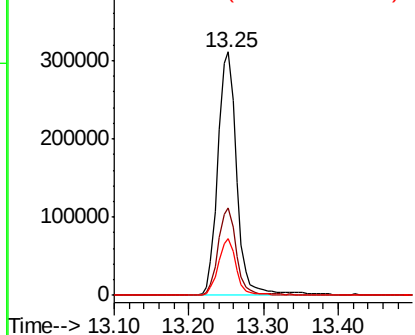
#45
 2-Fluorobiphenyl
 Concen: 90.462 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043652.D
 Acq: 15 Nov 2019 8:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	23.2	18.5	27.7

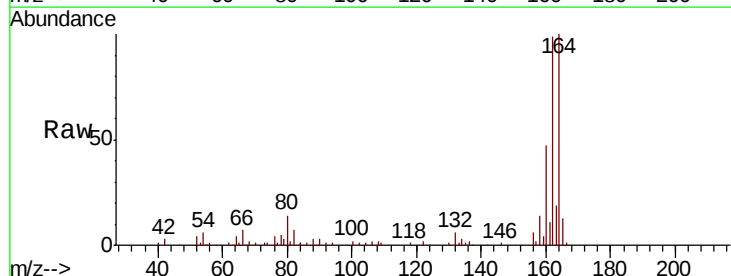


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

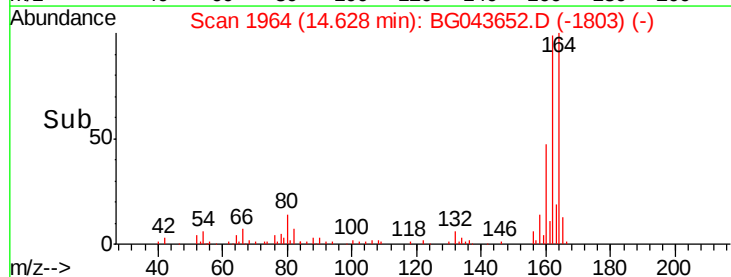
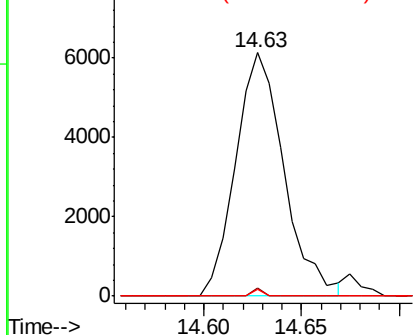


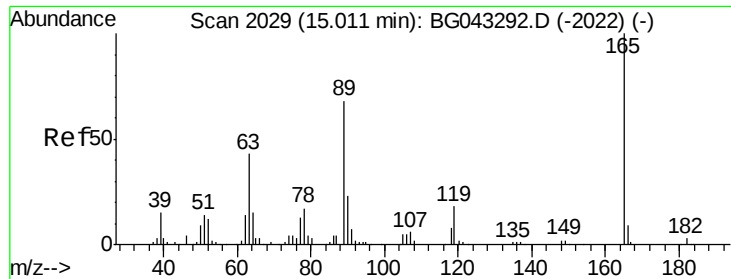
#51
 2,6-Dinitrotoluene
 Concen: 7.425 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.42 min
 Lab File: BG043652.D
 Acq: 15 Nov 2019 8:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.2	46.6	69.8#
89	2.9	45.1	67.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

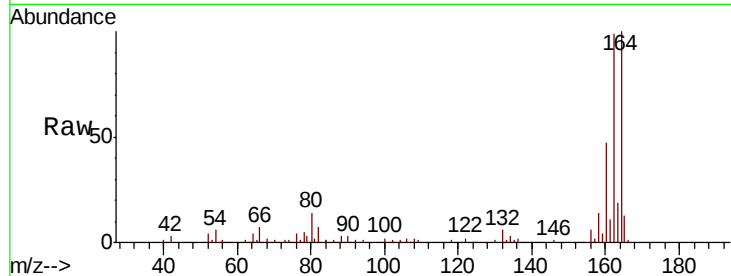




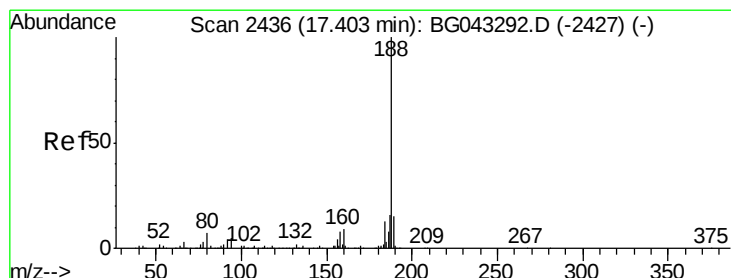
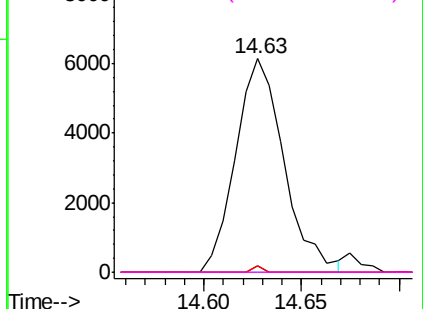
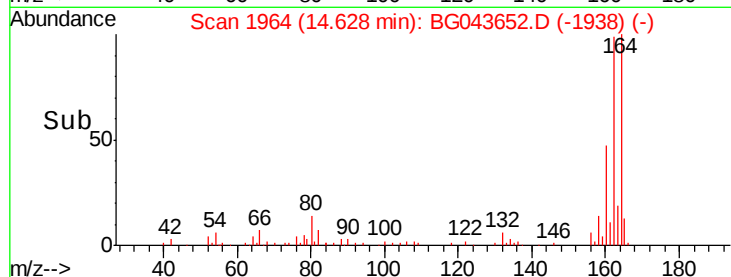
#57
 2,4-Dinitrotoluene
 Concen: 5.196 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.38 min
 Lab File: BG043652.D
 Acq: 15 Nov 2019 8:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	10501
Ion Ratio	Lower	Upper
165	100	
63	3.2	33.2 49.8#
89	2.9	52.2 78.4#
182	0.0	2.0 3.0#

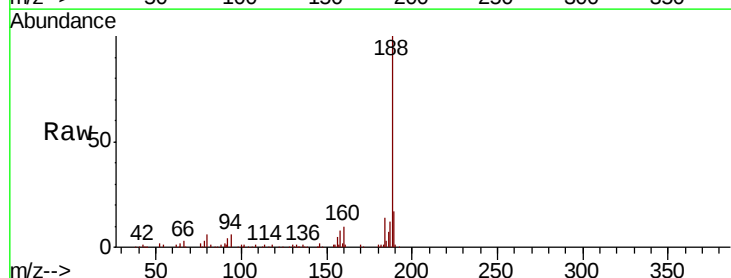


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

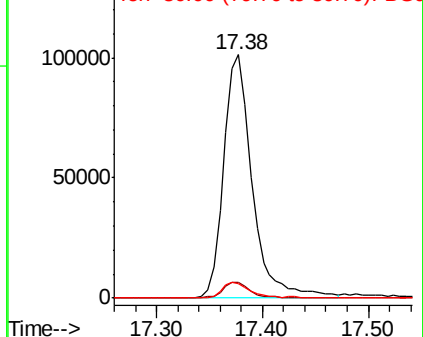
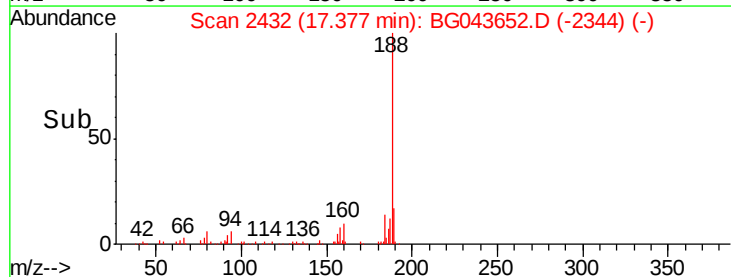


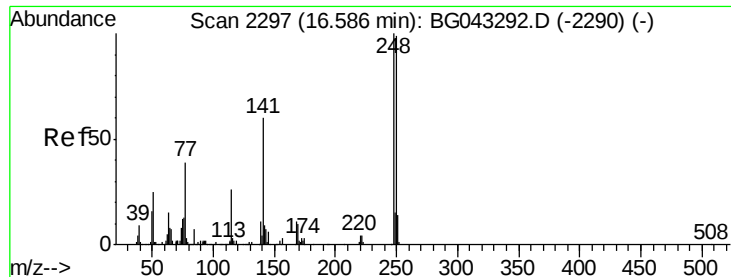
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BG043652.D
 Acq: 15 Nov 2019 8:56

Tgt Ion:188	Resp:	190231
Ion Ratio	Lower	Upper
188	100	
94	6.3	4.2 6.4
80	6.0	4.5 6.7



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

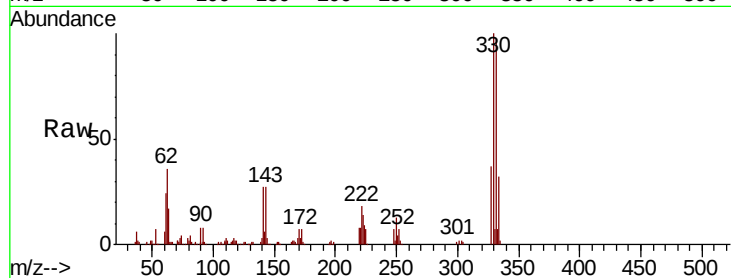




#67
4-Bromophenyl-phenylether
Concen: 4.267 ng
RT: 16.13 min Scan# 2219
Delta R.T. -0.45 min
Lab File: BG043652.D
Acq: 15 Nov 2019 8:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	191.8	77.0	115.4#
141	404.3	47.5	71.3#

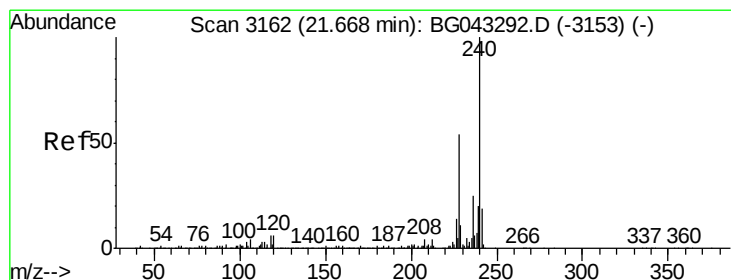
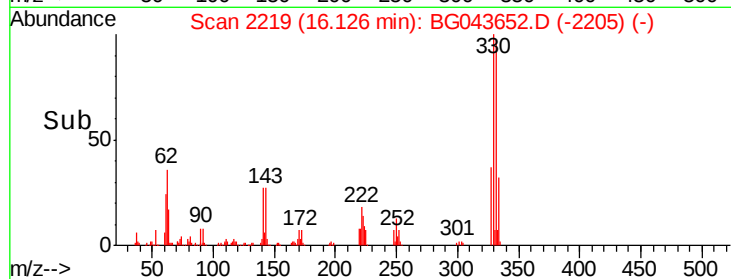
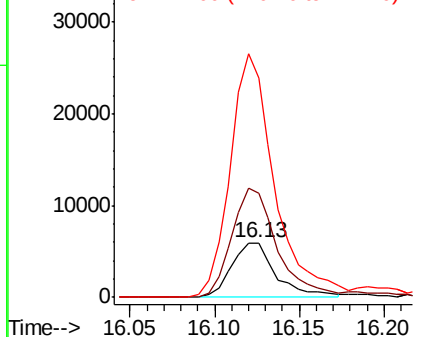


Abundance

Ion 248.00 (247.70 to 248.70): E

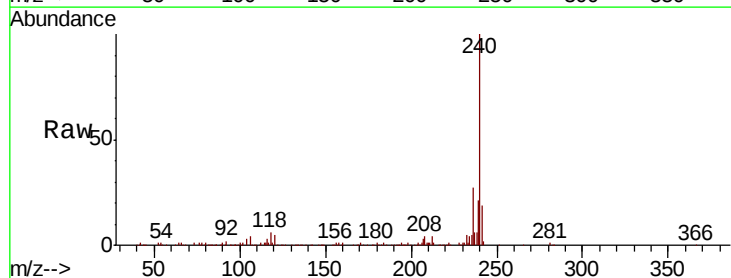
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BG043652.D
Acq: 15 Nov 2019 8:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.6	6.8
236	26.5	19.8	29.8

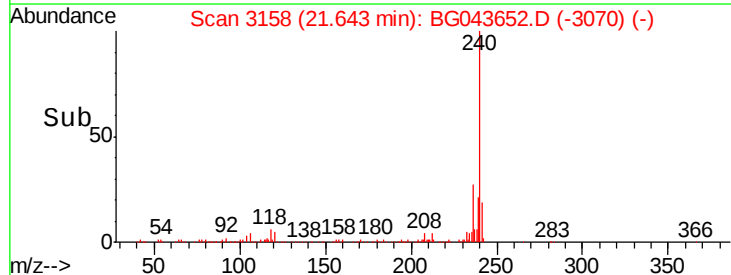
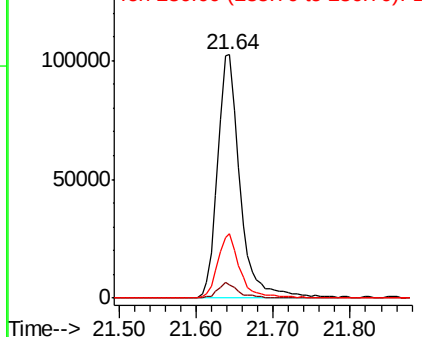


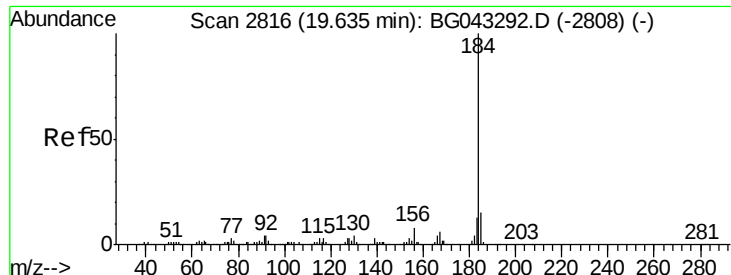
Abundance

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: 3.634 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.36 min

Lab File: BG043652.D

Acq: 15 Nov 2019 8:56

Instrument :

BNA_G

ClientSampleId :

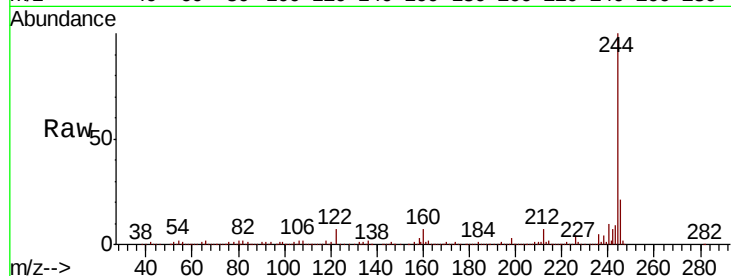
Tot Ion:184 Resp: 15155

Ion Ratio Lower Upper

184 100

185 20.3 11.0 16.4#

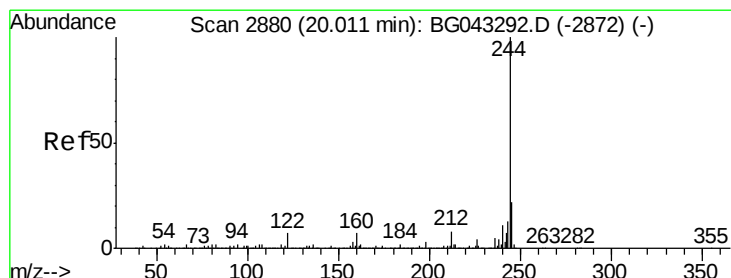
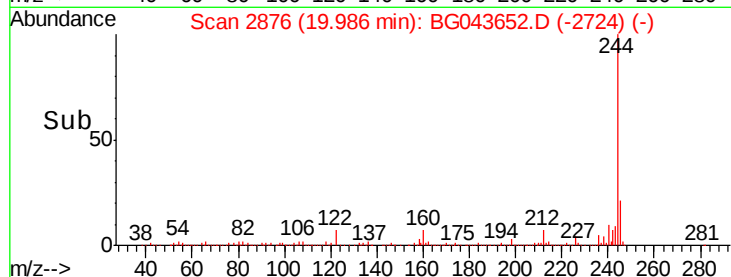
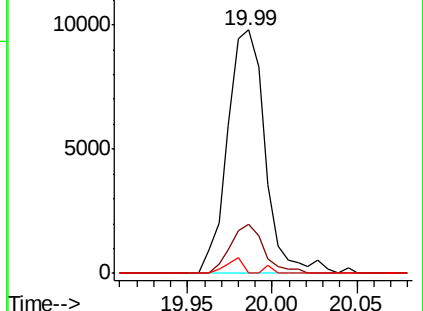
183 0.0 10.0 15.0#



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: 97.015 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043652.D

Acq: 15 Nov 2019 8:56

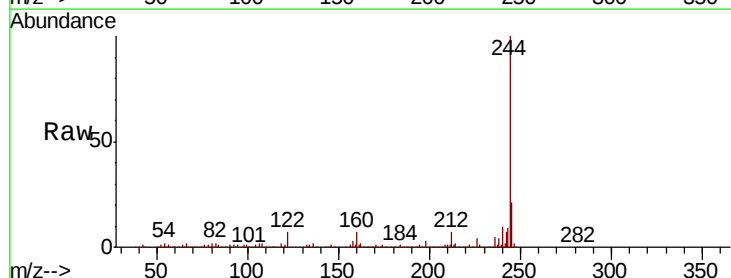
Tgt Ion:244 Resp: 1071467

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

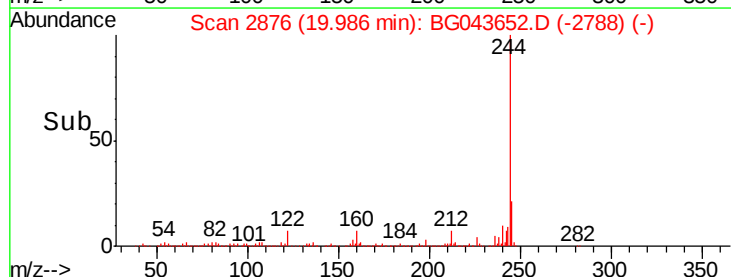
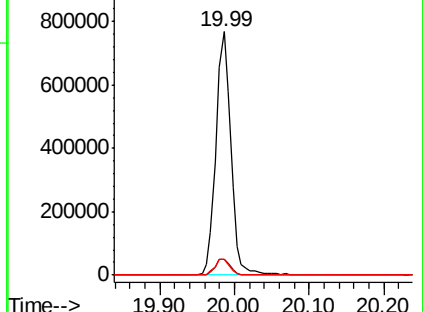
122 6.7 5.4 8.2

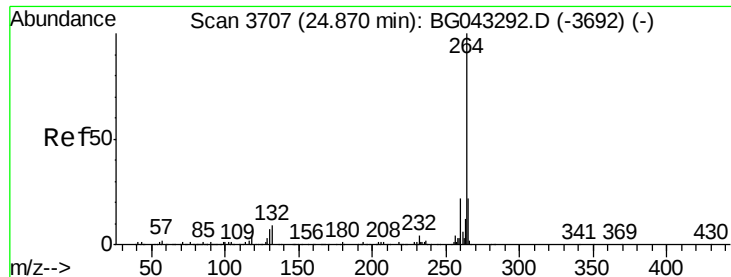


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.83 min Scan# 3700
Delta R.T. -0.03 min
Lab File: BG043652.D
Acq: 15 Nov 2019 8:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	17.5	26.3
265	20.2	17.4	26.0

