

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102519\
 Data File : BG043344.D
 Acq On : 25 Oct 2019 18:01
 Operator : JU
 Sample : K5153-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-102419

Quant Time: Oct 25 23:08:19 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

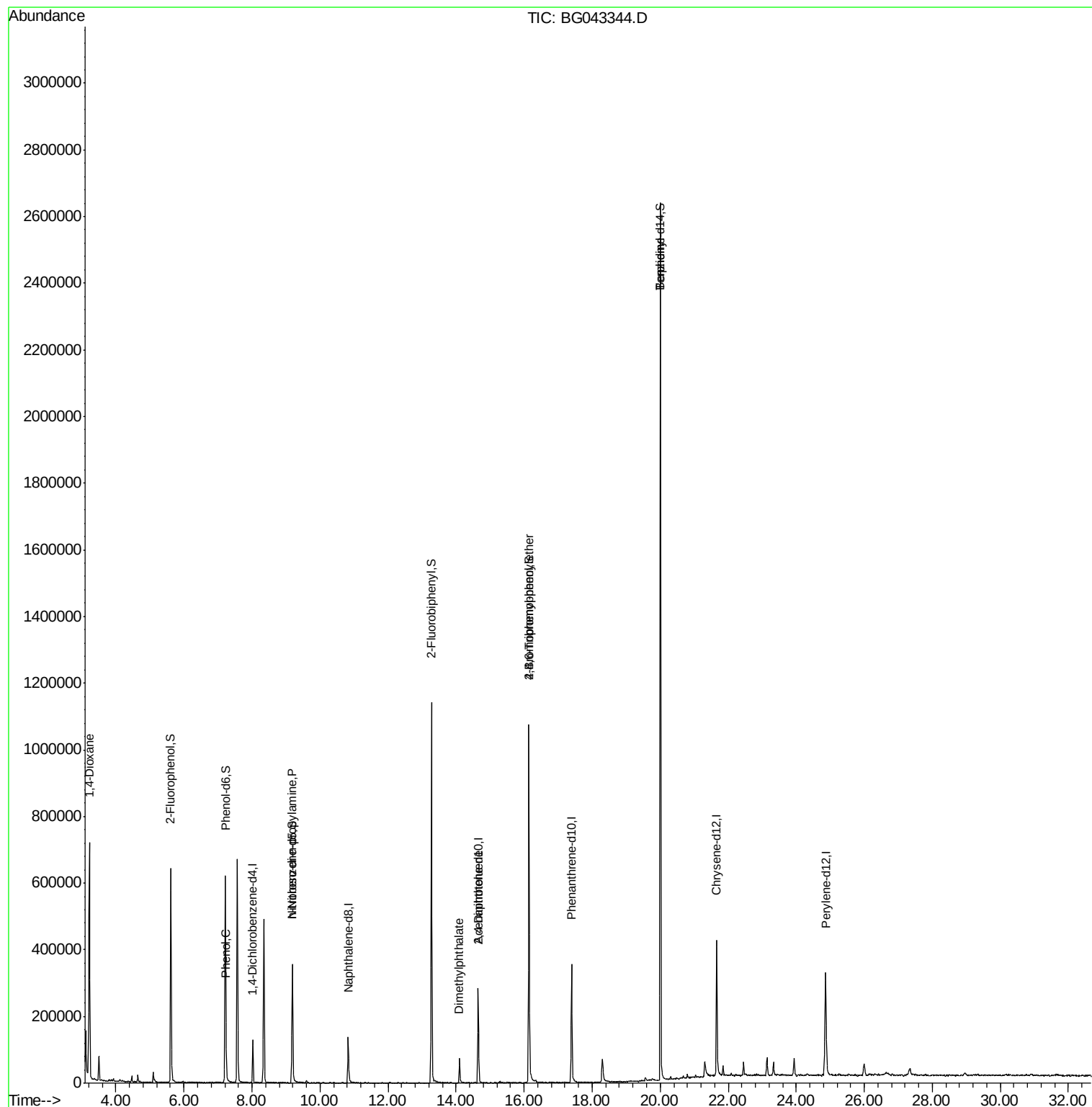
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	37029	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	133050	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	103452	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	250852	20.00	ng	0.00
76) Chrysene-d12	21.66	240	288603	20.00	ng	0.00
87) Perylene-d12	24.86	264	331688	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	286093	141.58	ng	0.01
7) Phenol-d6	7.22	99	385959	132.75	ng	0.02
23) Nitrobenzene-d5	9.19	82	241337	93.51	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	267958	136.11	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	657462	87.82	ng	0.00
79) Terphenyl-d14	20.00	244	1407569	91.50	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.22	88	8464	10.748	ng	# 1
10) Phenol	7.24	94	10934	4.116	ng	# 68
19) n-Nitroso-di-n-propylamine	9.19	70	34012	18.104	ng	# 75
50) Dimethylphthalate	14.10	163	59266	7.396	ng	# 96
57) 2,4-Dinitrotoluene	14.65	165	13621	5.475	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	17398	5.154	ng	# 1
77) Benzidine	20.01	184	20595	3.546	ng	# 93

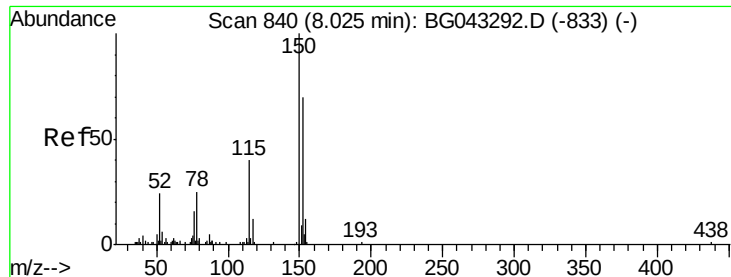
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102519\
Data File : BG043344.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
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QLast Update : Mon Oct 21 16:37:43 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG043344.D

Acq: 25 Oct 2019 18:01

Instrument :

BNA_G

ClientSampleId :

TR-05-102419

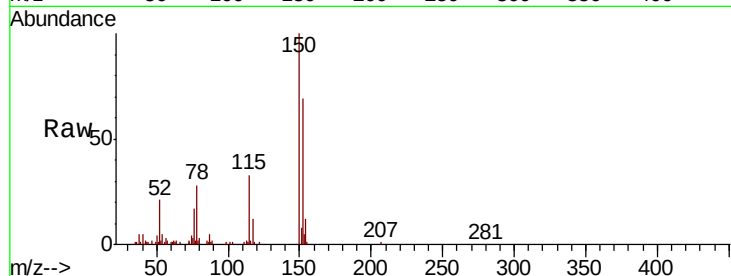
Tot Ion:152 Resp: 37029

Ion Ratio Lower Upper

152 100

150 145.4 113.6 170.4

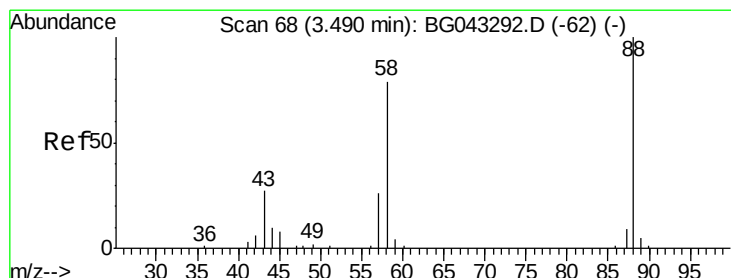
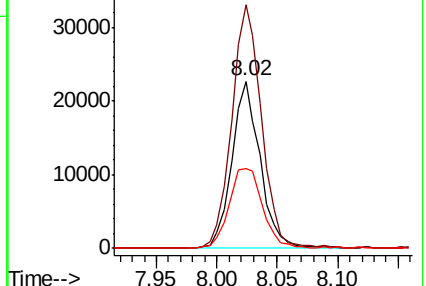
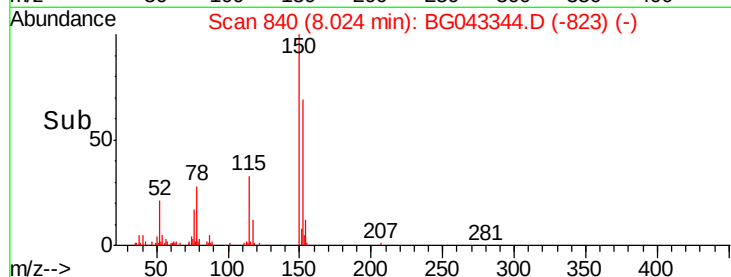
115 48.0 45.9 68.9



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: 10.748 ng

RT: 3.22 min Scan# 22

Delta R.T. -0.27 min

Lab File: BG043344.D

Acq: 25 Oct 2019 18:01

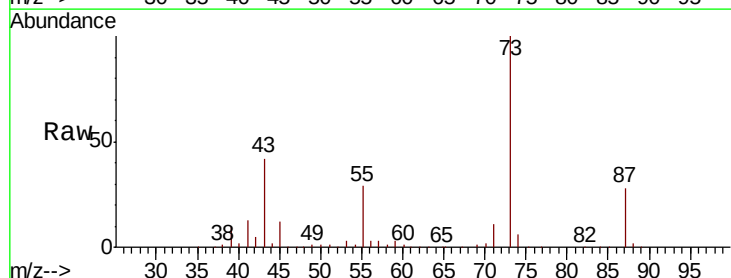
Tgt Ion: 88 Resp: 8464

Ion Ratio Lower Upper

88 100

58 50.3 60.2 90.2#

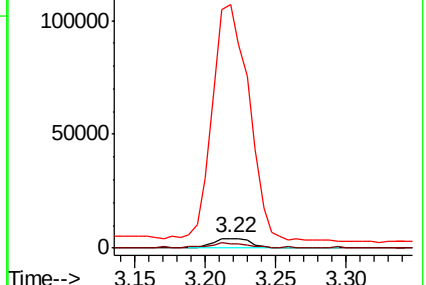
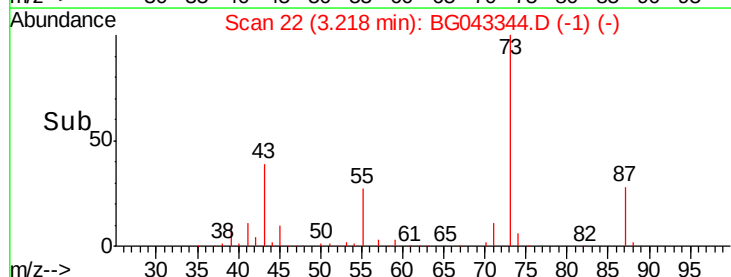
43 2258.3 22.7 34.1#

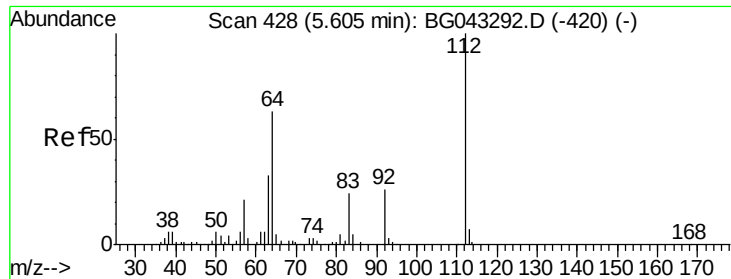


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 141.578 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043344.D

Acq: 25 Oct 2019 18:01

Instrument :

BNA_G

ClientSampleId :

TR-05-102419

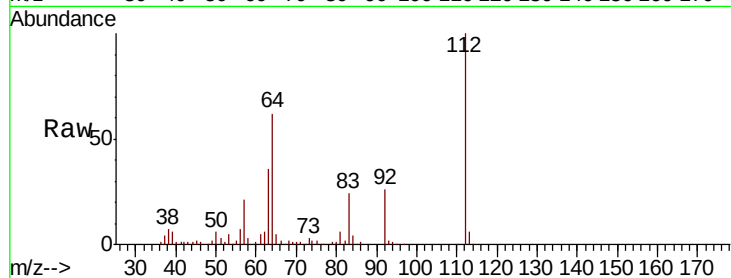
Tot Ion:112 Resp: 286093

Ion Ratio Lower Upper

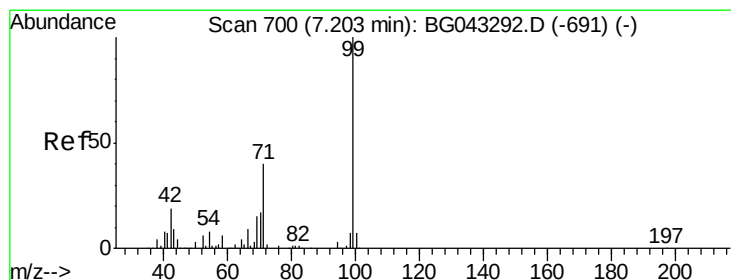
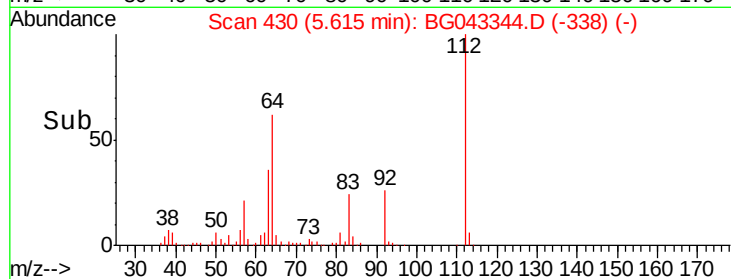
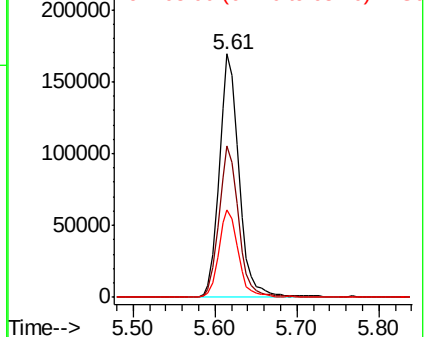
112 100

64 62.2 50.2 75.2

63 36.0 26.7 40.1



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: 132.752 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.02 min

Lab File: BG043344.D

Acq: 25 Oct 2019 18:01

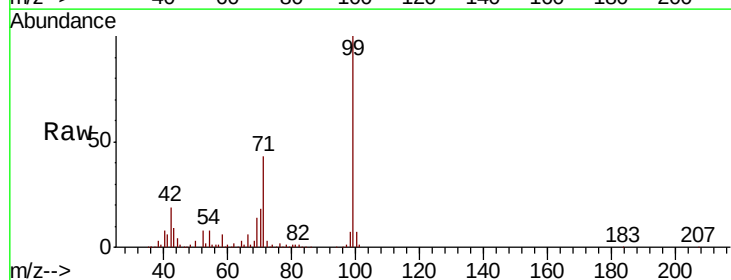
Tgt Ion: 99 Resp: 385959

Ion Ratio Lower Upper

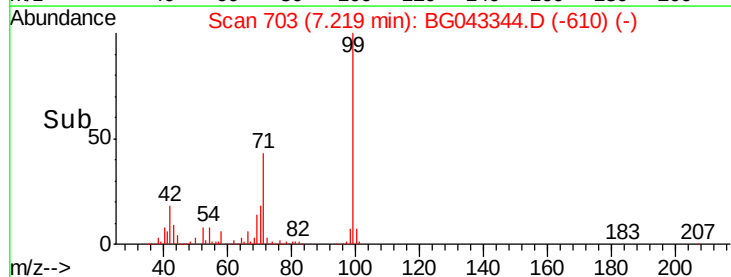
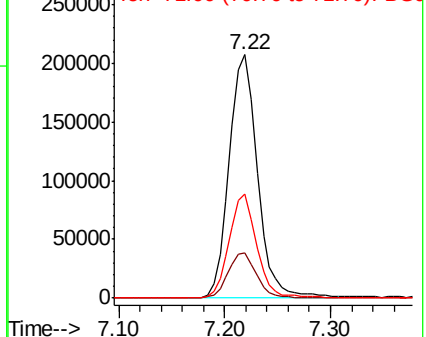
99 100

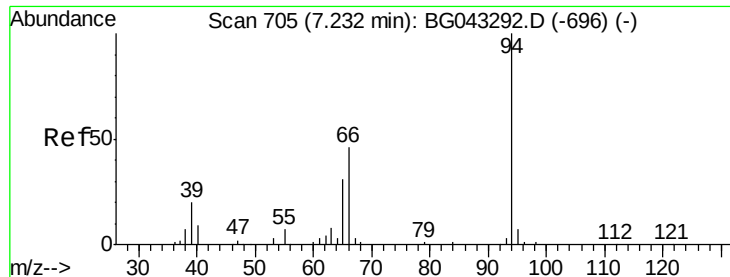
42 18.5 14.9 22.3

71 42.5 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: 4.116 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG043344.D

Acq: 25 Oct 2019 18:01

Instrument :

BNA_G

ClientSampleId :

TR-05-102419

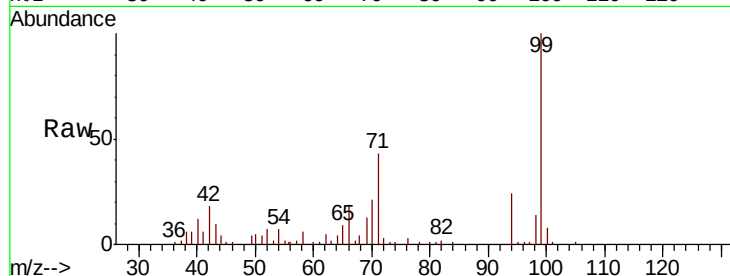
Tot Ion: 94 Resp: 10934

Ion Ratio Lower Upper

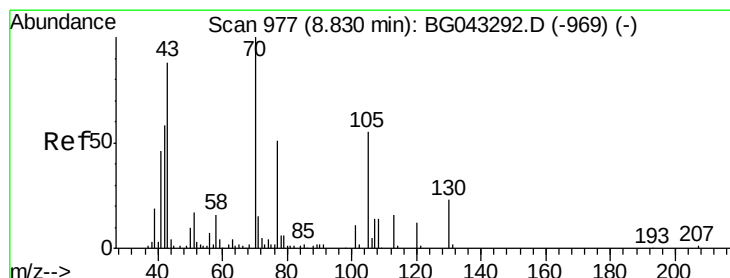
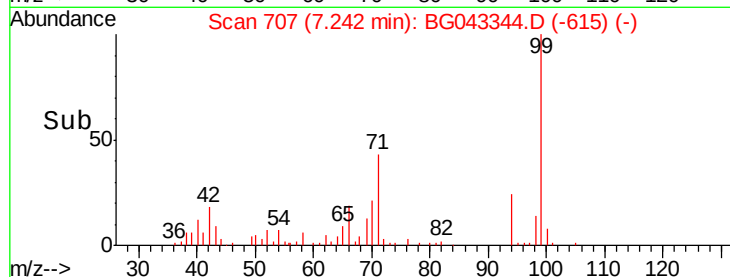
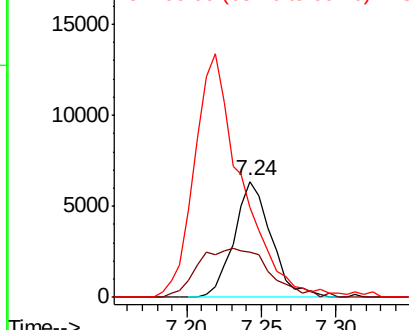
94 100

65 38.5 11.1 51.1

66 77.4 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: 18.104 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043344.D

Acq: 25 Oct 2019 18:01

Tgt Ion: 70 Resp: 34012

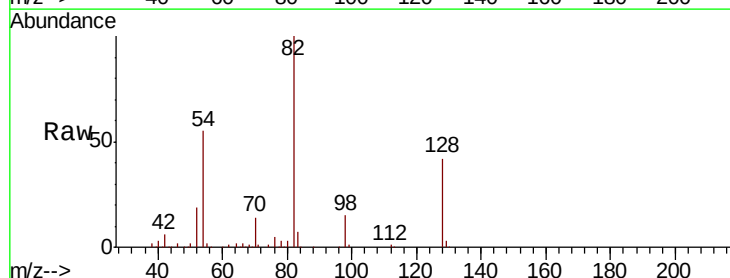
Ion Ratio Lower Upper

70 100

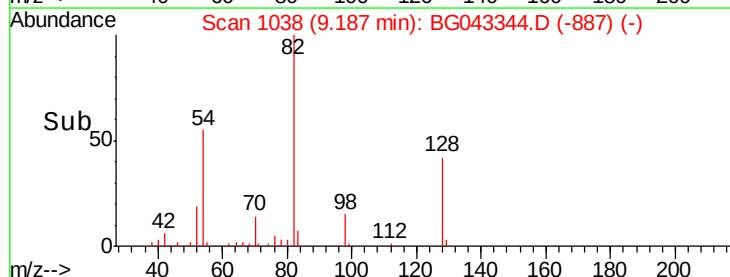
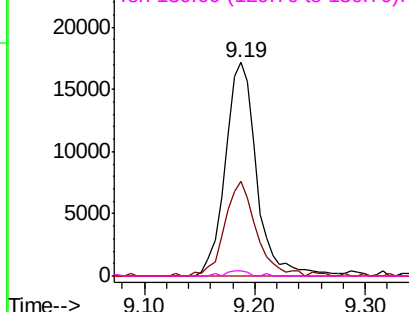
42 44.4 46.2 69.2#

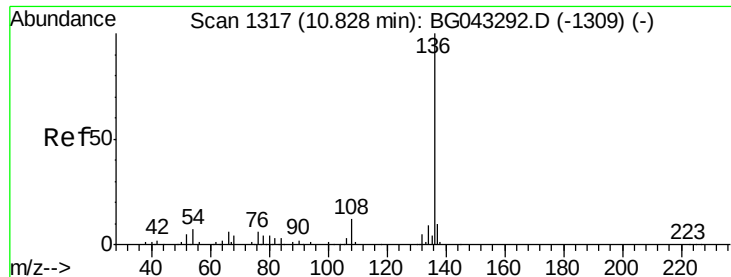
101 0.0 8.6 13.0#

130 2.7 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

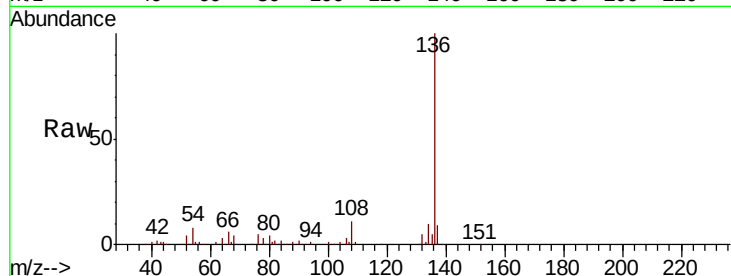




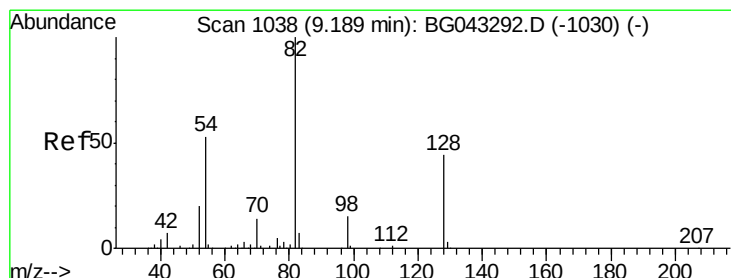
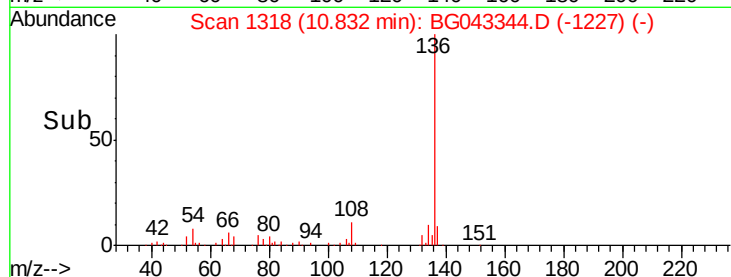
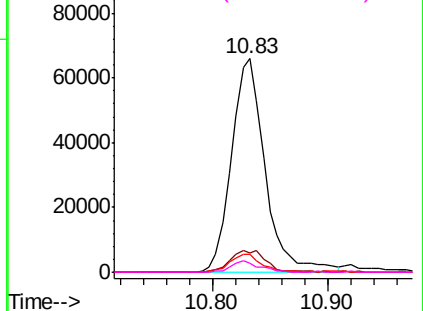
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043344.D
Acq: 25 Oct 2019 18:01

Instrument :
BNA_G
ClientSampleId :
TR-05-102419

Tot Ion:136	Resp:	133050
Ion Ratio	Lower	Upper
136 100		
137 8.8	8.2	12.2
54 8.1	5.4	8.2
68 4.2	3.3	4.9

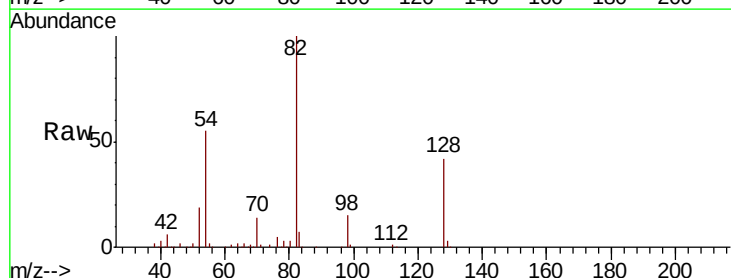


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

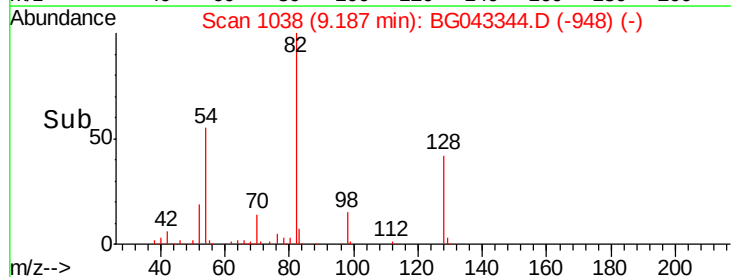
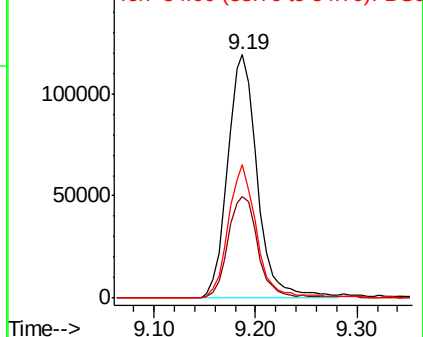


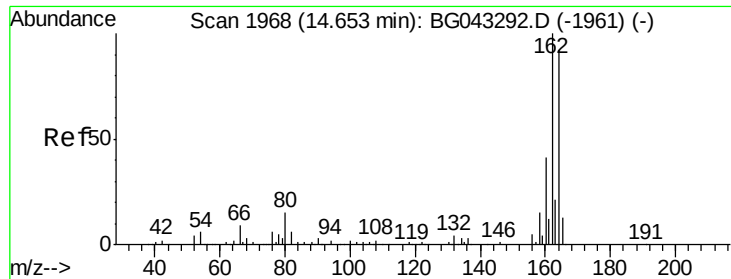
#23
Nitrobenzene-d5
Concen: 93.514 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043344.D
Acq: 25 Oct 2019 18:01

Tgt Ion: 82	Resp: 241337
Ion Ratio	Lower Upper
82 100	
128 41.9	35.3 52.9
54 54.9	42.3 63.5



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: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043344.D

Acq: 25 Oct 2019 18:01

Instrument :

BNA_G

ClientSampleId :

TR-05-102419

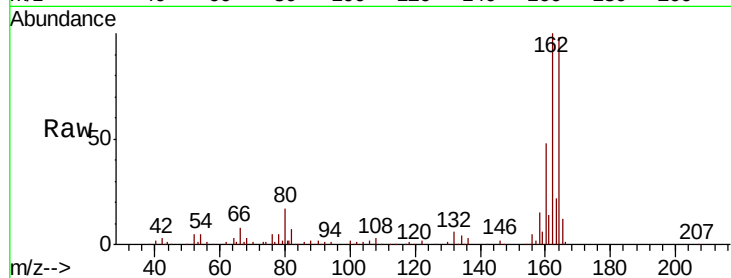
Tot Ion:164 Resp: 103452

Ion Ratio Lower Upper

164 100

162 102.3 87.0 130.4

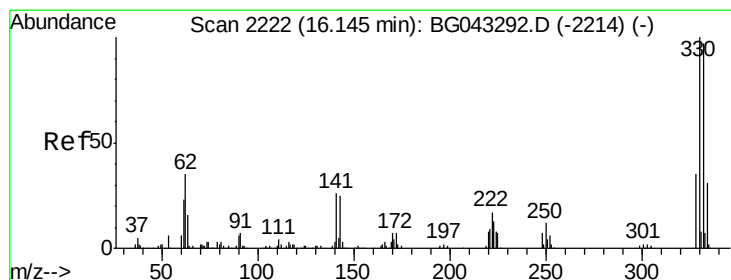
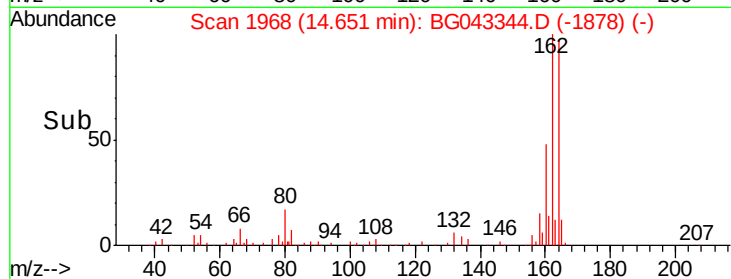
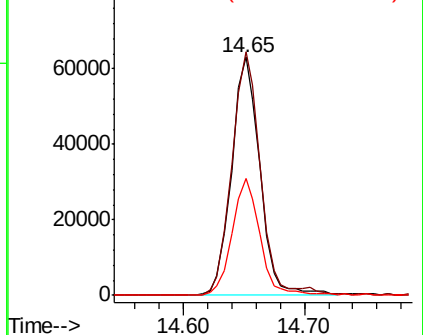
160 48.9 35.5 53.3



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: 136.109 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043344.D

Acq: 25 Oct 2019 18:01

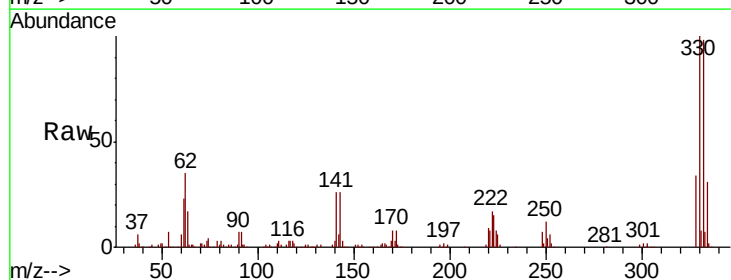
Tgt Ion:330 Resp: 267958

Ion Ratio Lower Upper

330 100

332 96.4 76.4 114.6

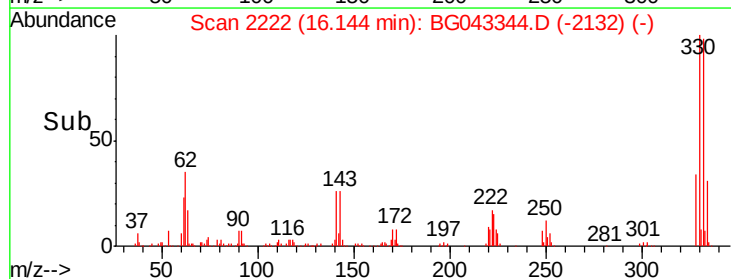
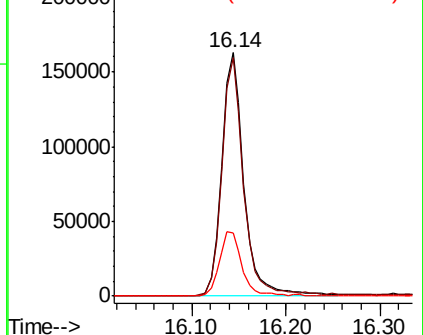
141 26.9 21.4 32.0

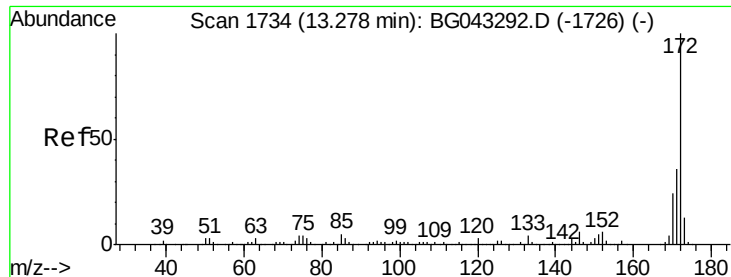


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

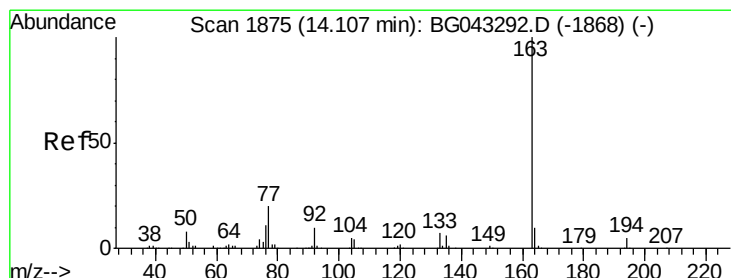
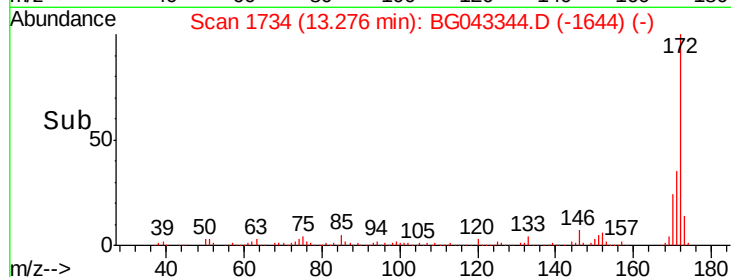
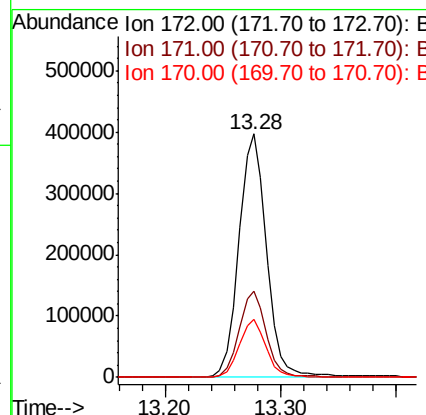
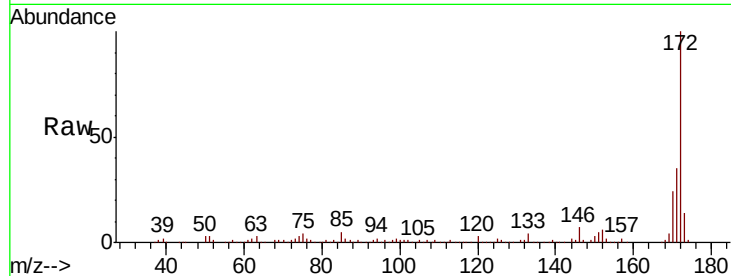




#45
 2-Fluorobiphenyl
 Concen: 87.817 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043344.D
 Acq: 25 Oct 2019 18:01

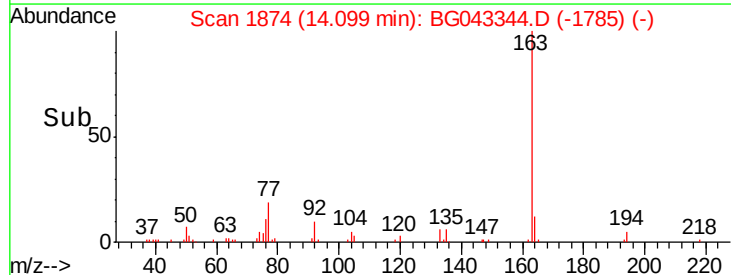
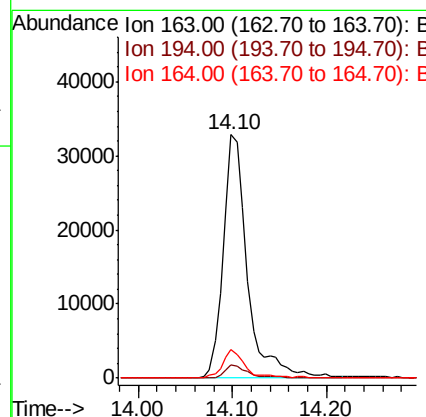
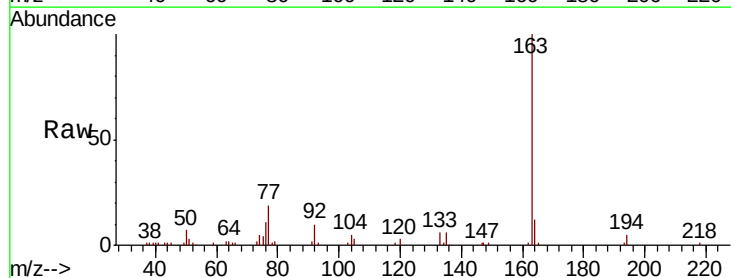
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-102419

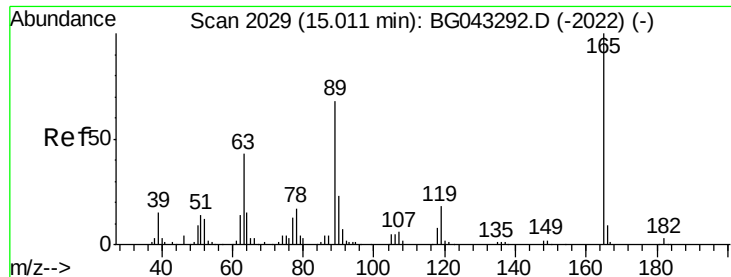
Tot Ion:172 Resp: 657462
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.5 42.7
 170 23.8 18.8 28.2



#50
 Dimethylphthalate
 Concen: 7.396 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043344.D
 Acq: 25 Oct 2019 18:01

Tgt Ion:163 Resp: 59266
 Ion Ratio Lower Upper
 163 100
 194 5.5 3.7 5.5
 164 11.8 8.1 12.1

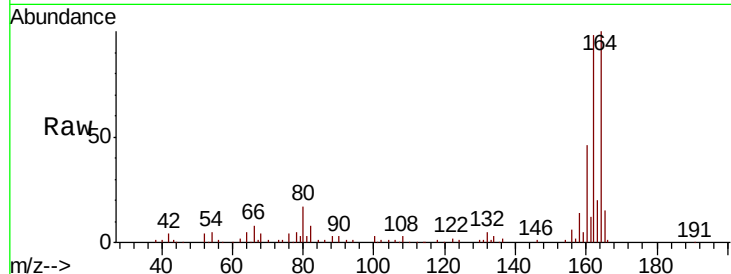




#57
 2,4-Dinitrotoluene
 Concen: 5.475 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.37 min
 Lab File: BG043344.D
 Acq: 25 Oct 2019 18:01

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-102419

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#



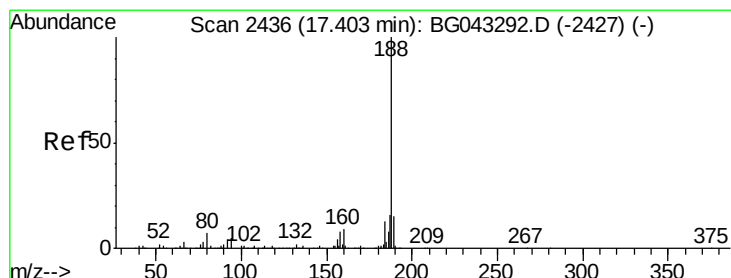
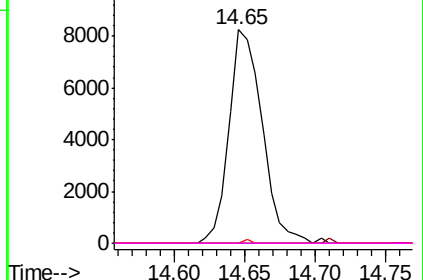
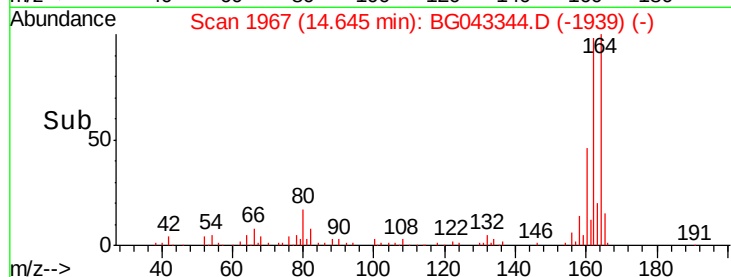
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

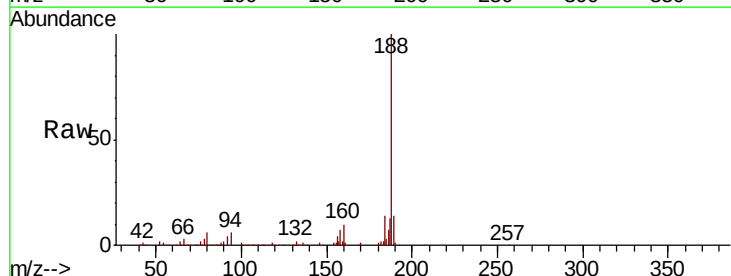
Ion 89.00 (88.70 to 89.70): BGC

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. -0.01 min
 Lab File: BG043344.D
 Acq: 25 Oct 2019 18:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.2	6.2
80	6.4	5.2	7.8

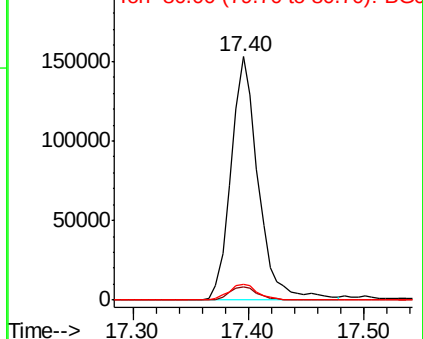
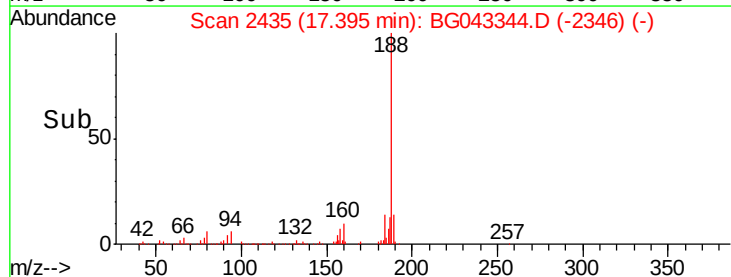


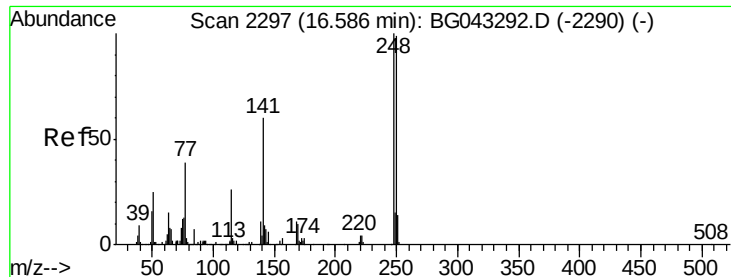
Abundance

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

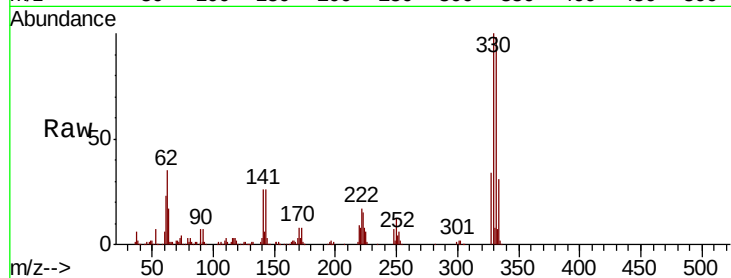




#67
4-Bromophenyl-phenylether
Concen: 5.154 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.44 min
Lab File: BG043344.D
Acq: 25 Oct 2019 18:01

Instrument :
BNA_G
ClientSampleId :
TR-05-102419

Tot Ion	Ratio	Lower	Upper
248	100		
250	171.7	79.3	118.9#
141	368.6	47.9	71.9#

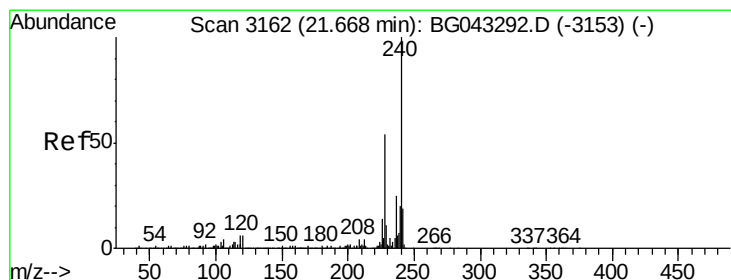
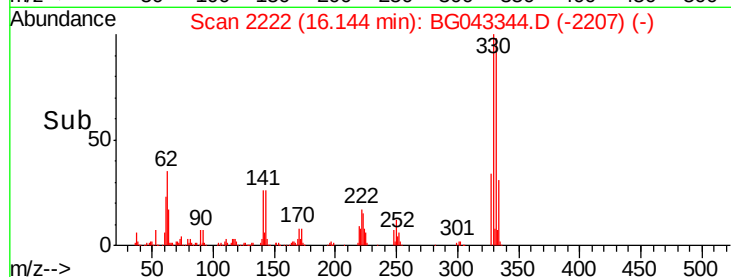
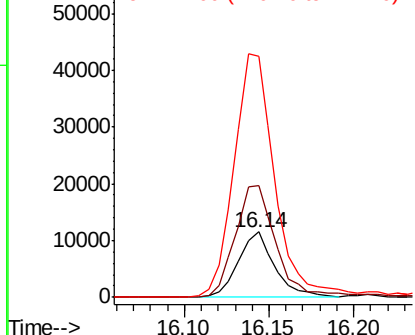


Abundance

Ion 248.00 (247.70 to 248.70): E

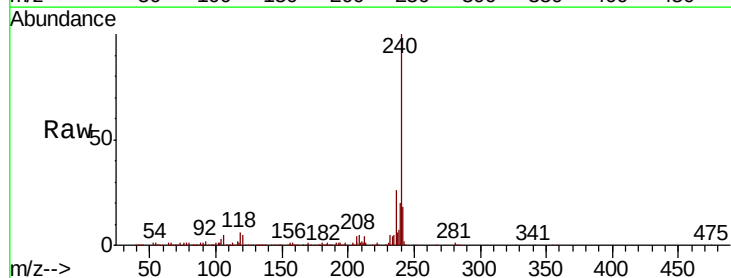
Ion 250.00 (249.70 to 250.70): E

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. -0.01 min
Lab File: BG043344.D
Acq: 25 Oct 2019 18:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.8	4.6	7.0
236	26.0	20.2	30.4

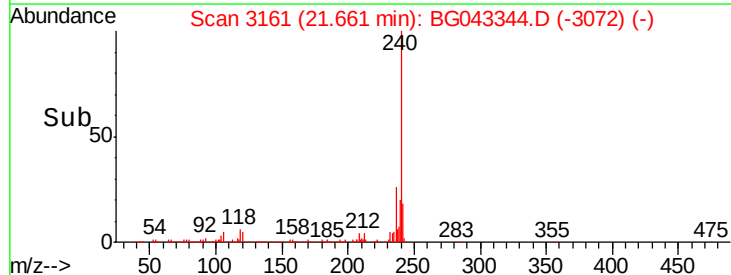
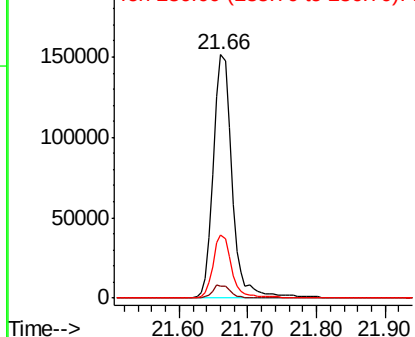


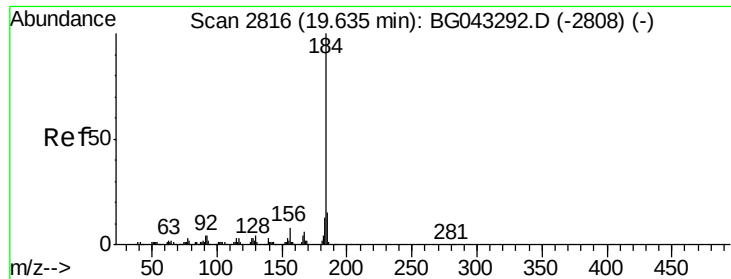
Abundance

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: 3.546 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.37 min

Lab File: BG043344.D

Acq: 25 Oct 2019 18:01

Instrument :

BNA_G

ClientSampleId :

TR-05-102419

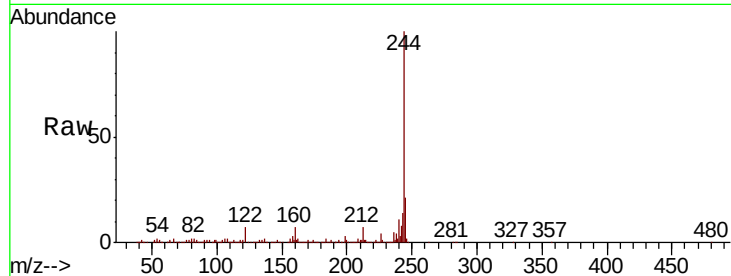
Tot Ion:184 Resp: 20595

Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.6

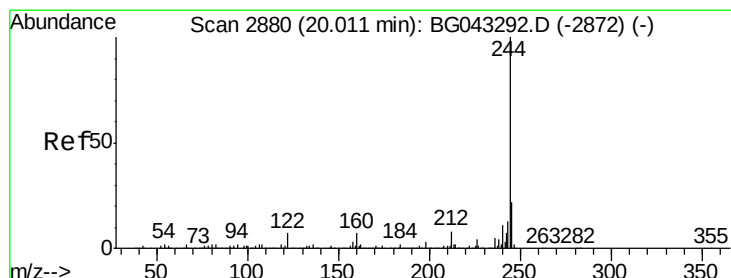
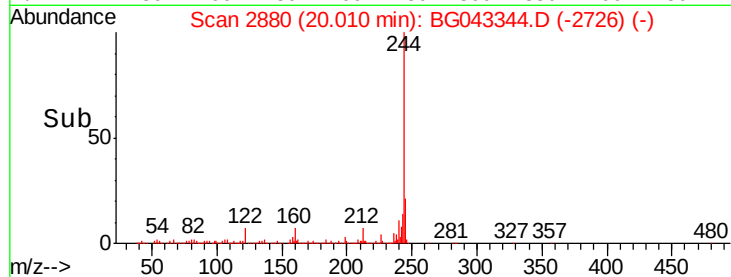
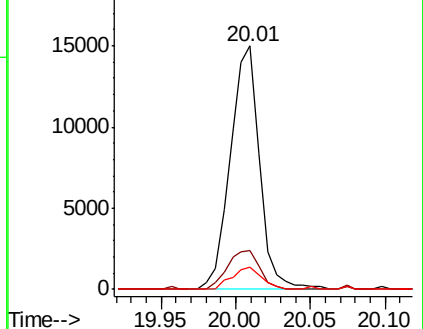
183 8.9 10.6 16.0#



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: 91.499 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043344.D

Acq: 25 Oct 2019 18:01

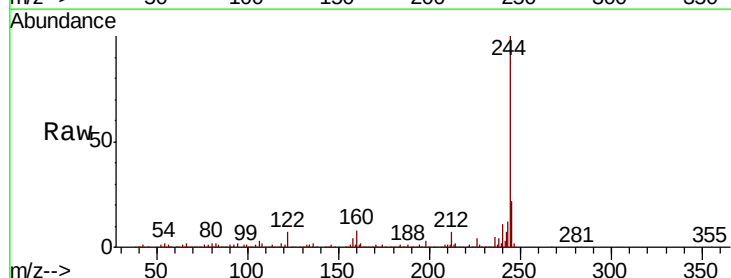
Tgt Ion:244 Resp: 1407569

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

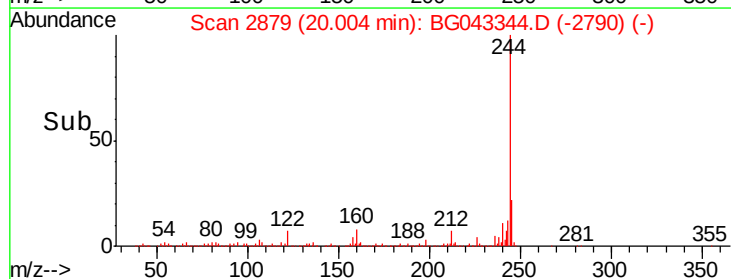
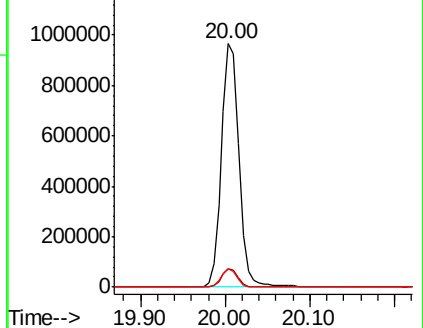
122 7.3 5.3 7.9

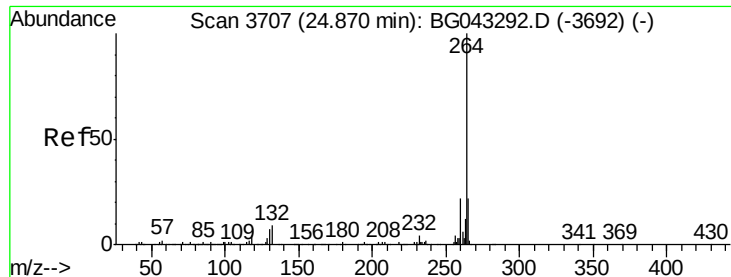


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

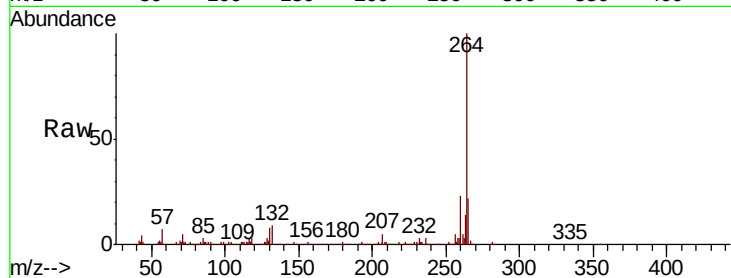




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3706
 Delta R.T. -0.01 min
 Lab File: BG043344.D
 Acq: 25 Oct 2019 18:01

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-102419

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.9	26.9
265	22.5	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

