

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043425.D
 Acq On : 31 Oct 2019 7:04
 Operator : JU
 Sample : K5587-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 08:29:31 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	37278	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	131176	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	102787	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	252604	20.00	ng	-0.01
76) Chrysene-d12	21.66	240	301969	20.00	ng	-0.01
87) Perylene-d12	24.86	264	348934	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	276688	136.01	ng	0.00
7) Phenol-d6	7.21	99	379148	129.54	ng	0.00
23) Nitrobenzene-d5	9.18	82	233235	91.67	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	262107	134.00	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	633492	85.16	ng	0.00
79) Terphenyl-d14	20.01	244	1466188	91.09	ng	0.00

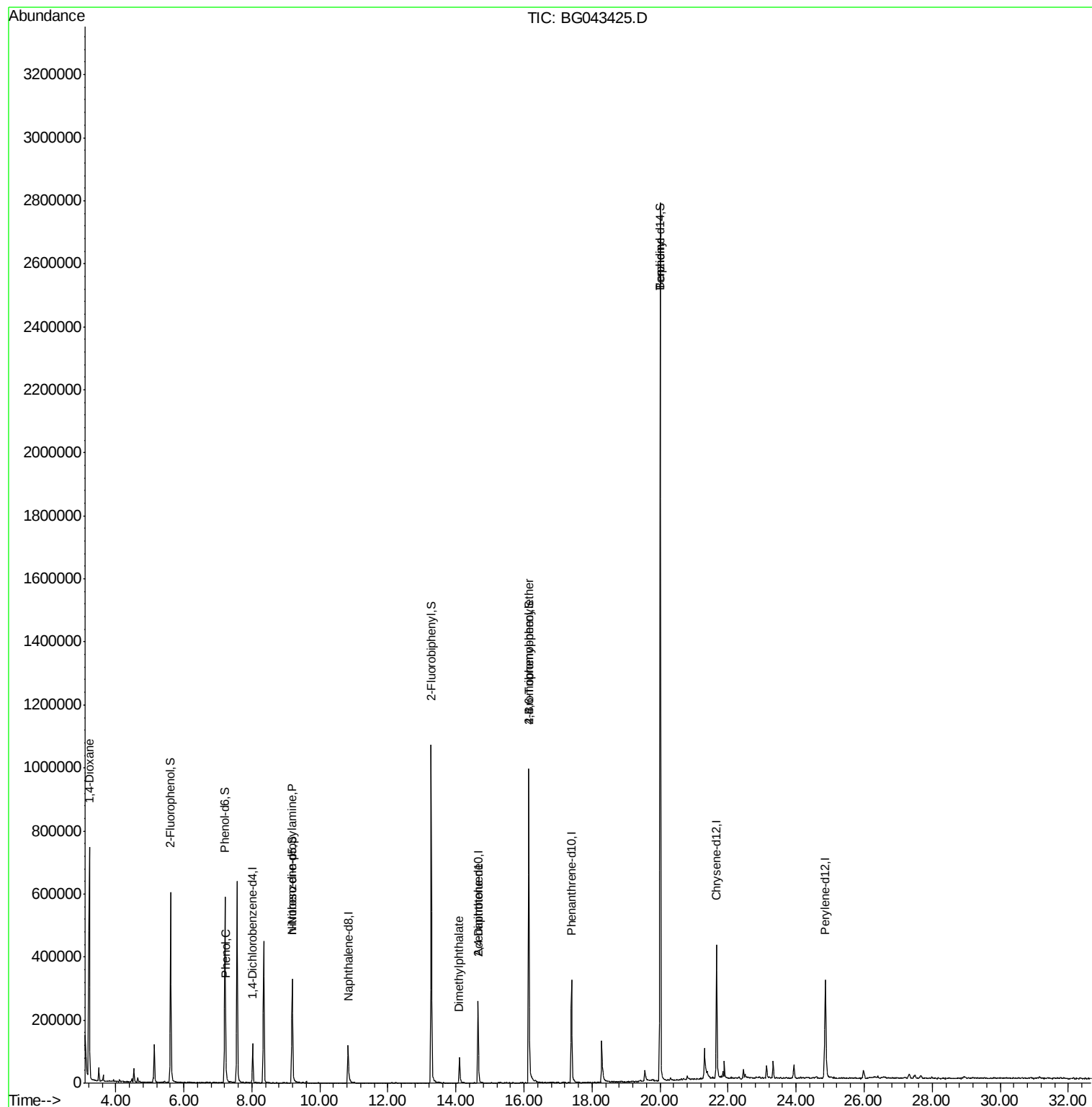
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	8730	11.012	ng	# 1
10) Phenol	7.23	94	8644	3.232	ng	# 59
19) n-Nitroso-di-n-propylamine	9.18	70	31844	16.837	ng	# 72
50) Dimethylphthalate	14.10	163	75276	9.455	ng	# 99
57) 2,4-Dinitrotoluene	14.65	165	13743	5.560	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	17126	5.038	ng	# 1
77) Benzidine	20.01	184	21933	3.609	ng	# 92

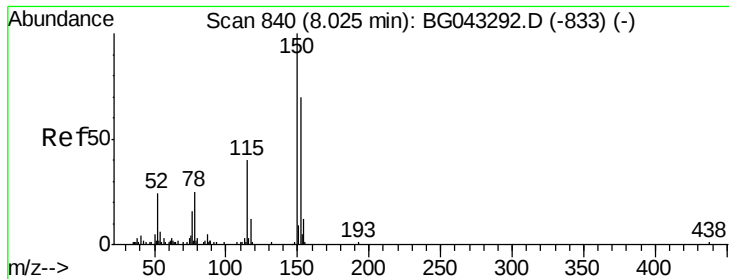
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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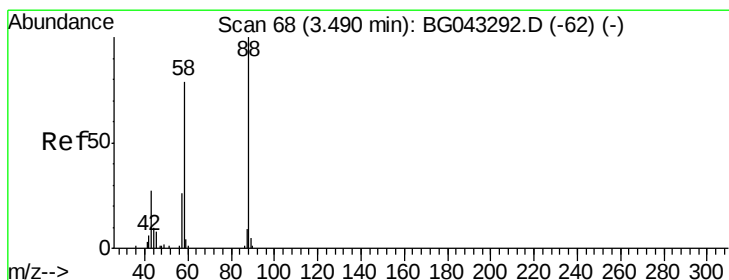
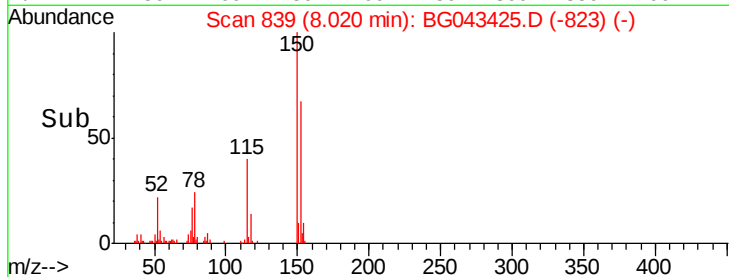
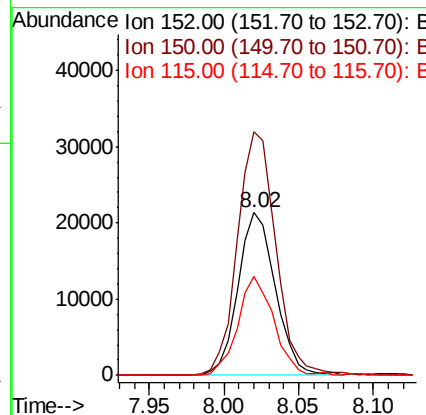
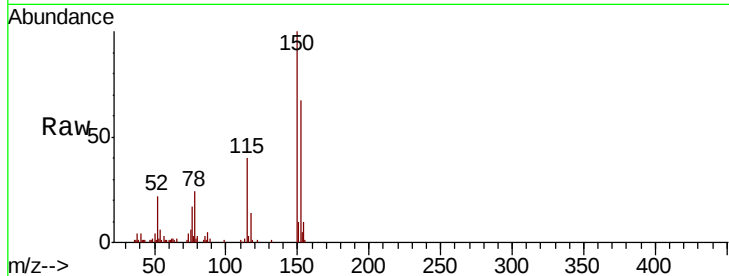


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG043425.D
Acq: 31 Oct 2019 7:04

Instrument :
BNA_G
ClientSampleId :

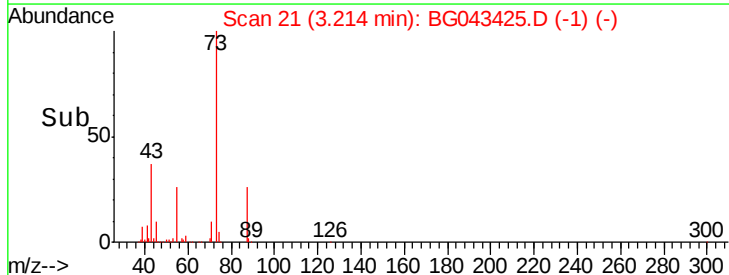
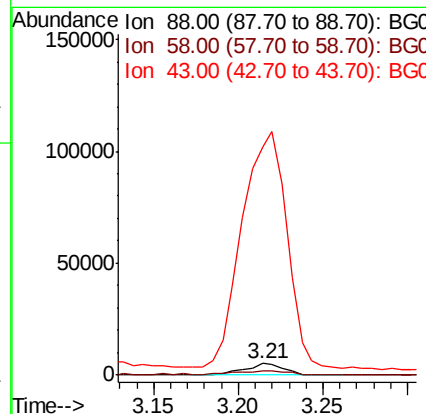
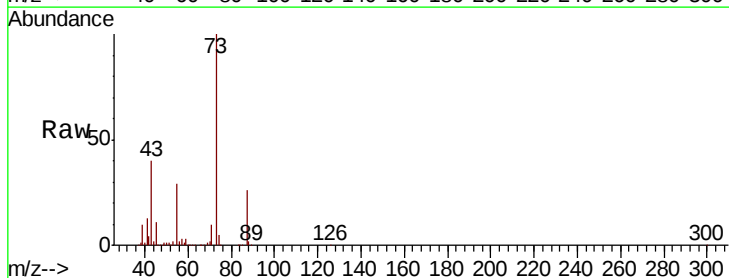
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.5	113.6	170.4
115	60.4	45.9	68.9

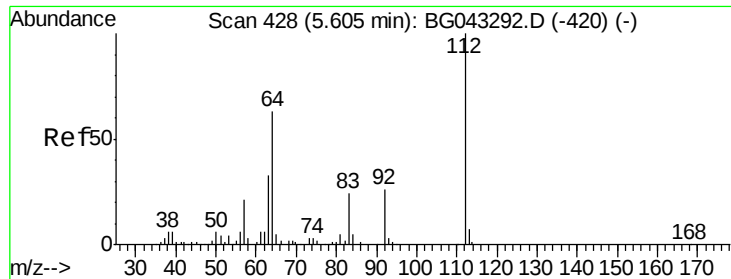


#2

1,4-Dioxane
Concen: 11.012 ng
RT: 3.21 min Scan# 21
Delta R.T. -0.28 min
Lab File: BG043425.D
Acq: 31 Oct 2019 7:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	45.5	60.2	90.2#
43	2299.2	22.7	34.1#





#5

2-Fluorophenol

Concen: 136.009 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG043425.D

Acq: 31 Oct 2019 7:04

Instrument :

BNA_G

ClientSampleId :

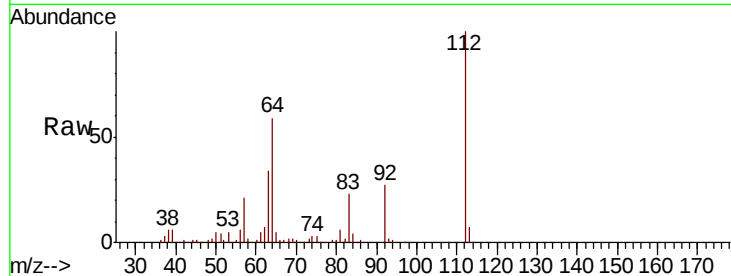
Tot Ion:112 Resp: 276688

Ion Ratio Lower Upper

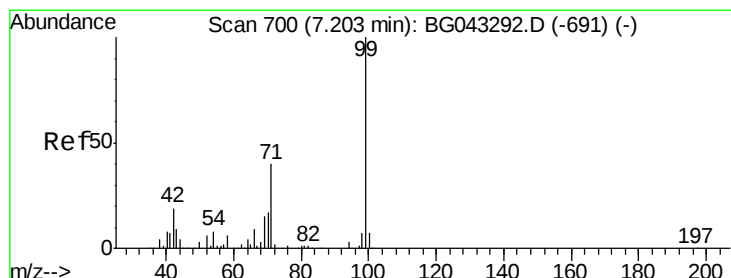
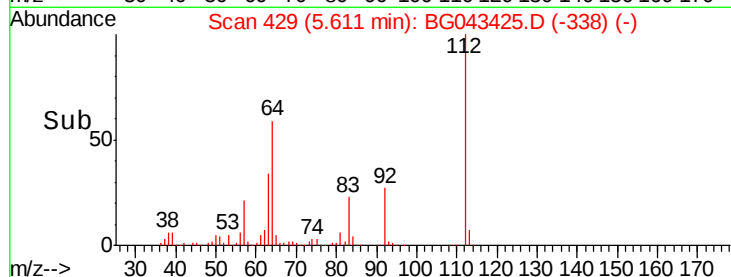
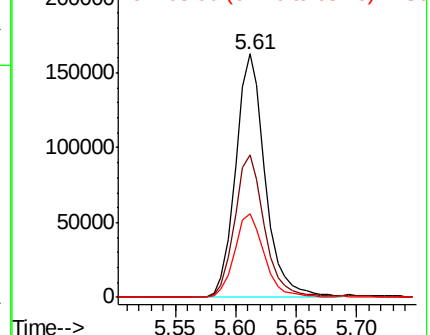
112 100

64 58.6 50.2 75.2

63 34.3 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: 129.538 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043425.D

Acq: 31 Oct 2019 7:04

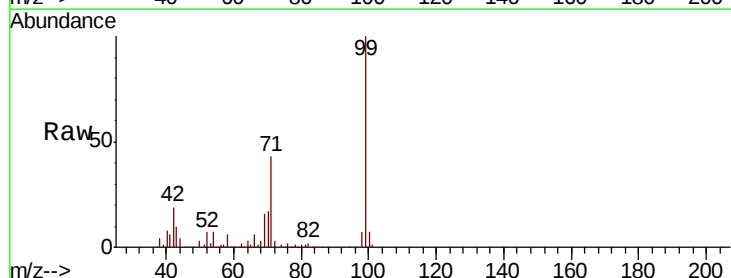
Tgt Ion: 99 Resp: 379148

Ion Ratio Lower Upper

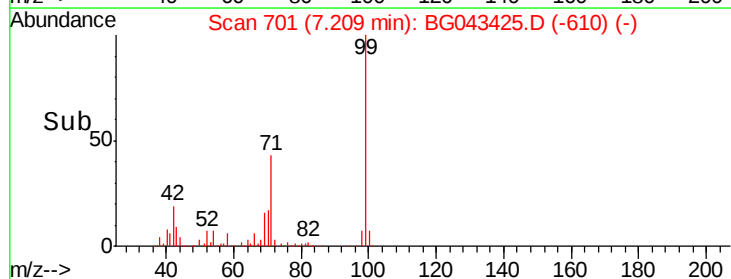
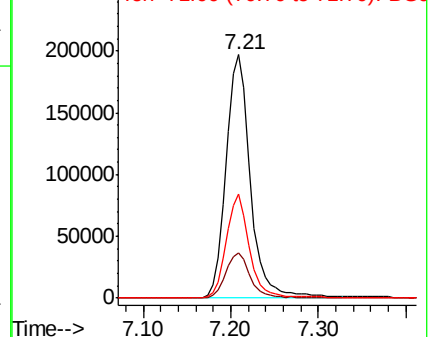
99 100

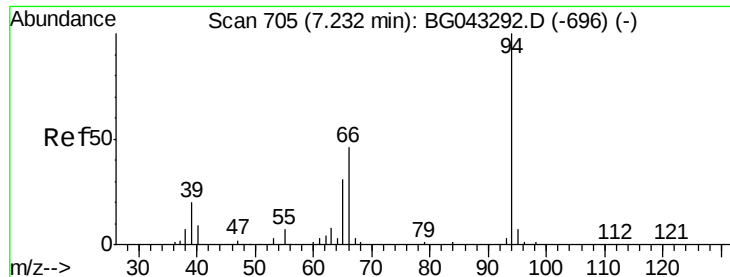
42 18.7 14.9 22.3

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: 3.232 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG043425.D

Acq: 31 Oct 2019 7:04

Instrument :

BNA_G

ClientSampleId :

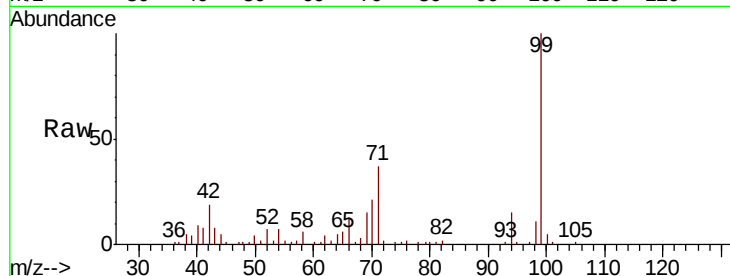
Tot Ion: 94 Resp: 8644

Ion Ratio Lower Upper

94 100

65 41.7 11.1 51.1

66 85.4 27.8 67.8#

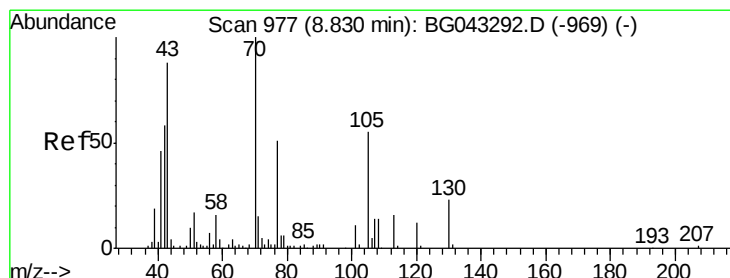
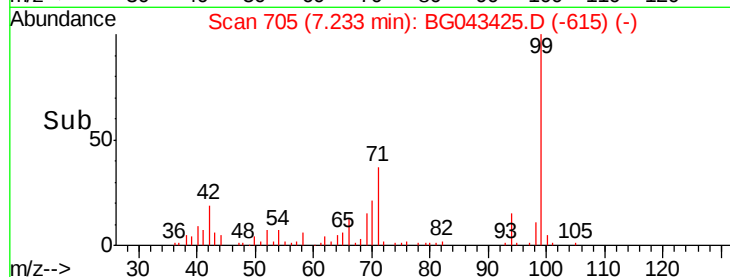
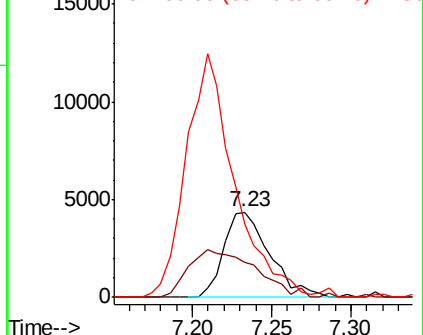


Abundance

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: 16.837 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG043425.D

Acq: 31 Oct 2019 7:04

Tgt Ion: 70 Resp: 31844

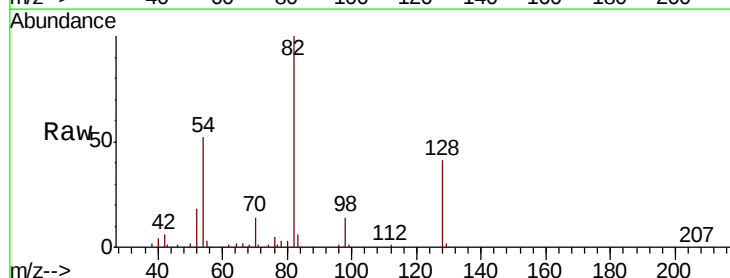
Ion Ratio Lower Upper

70 100

42 42.4 46.2 69.2#

101 0.0 8.6 13.0#

130 1.7 18.6 27.8#



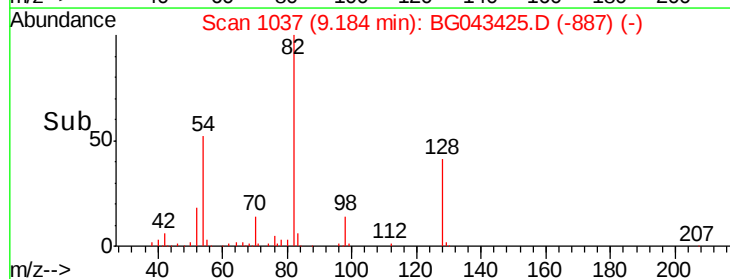
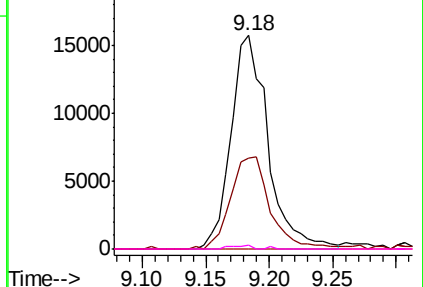
Abundance

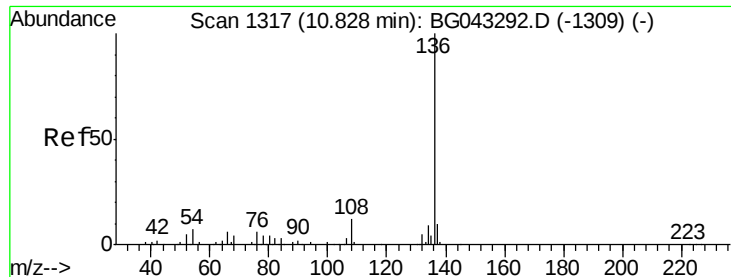
Ion 70.00 (69.70 to 70.70): BGC

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

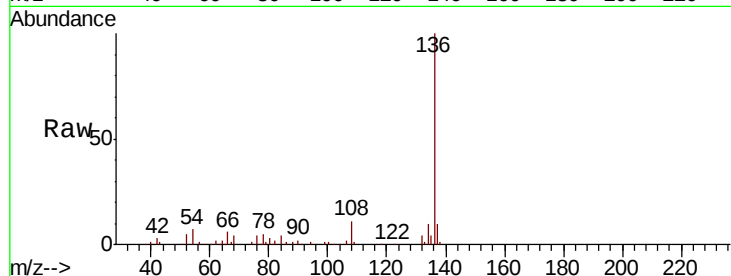




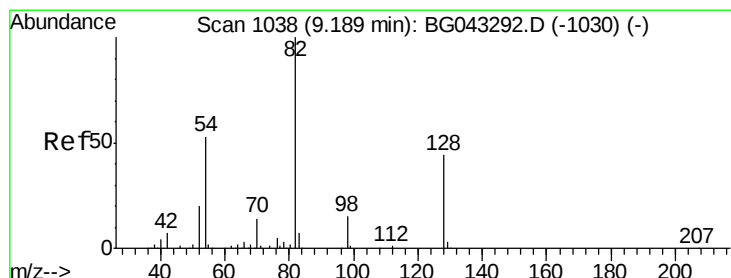
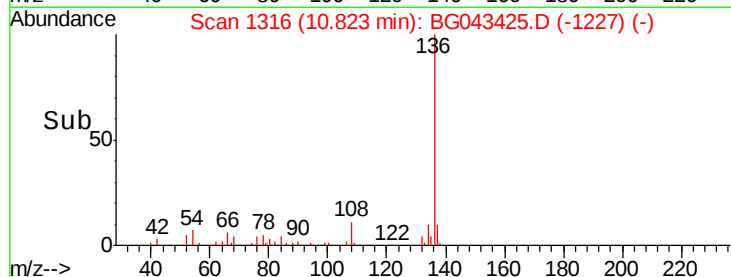
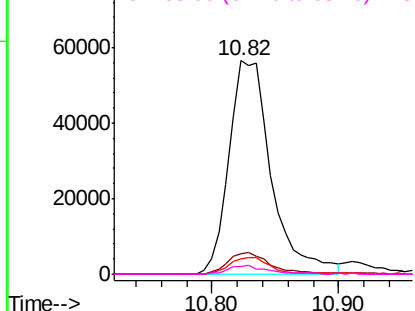
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG043425.D
Acq: 31 Oct 2019 7:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	131176
Ion Ratio	Lower	Upper
136 100		
137 9.7	8.2	12.2
54 7.2	5.4	8.2
68 3.9	3.3	4.9

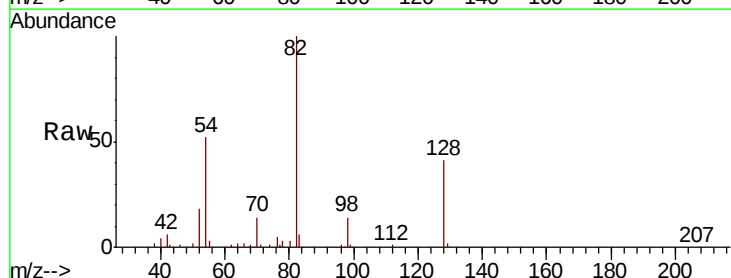


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

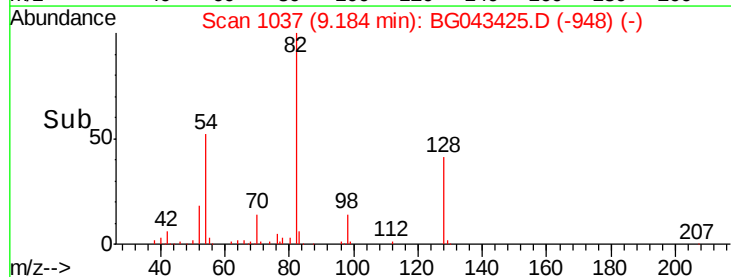
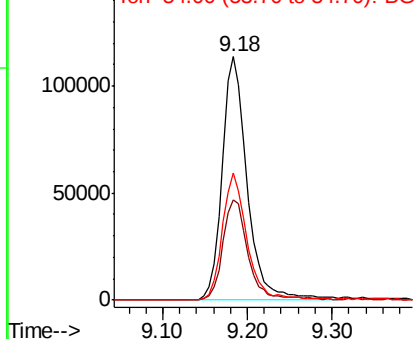


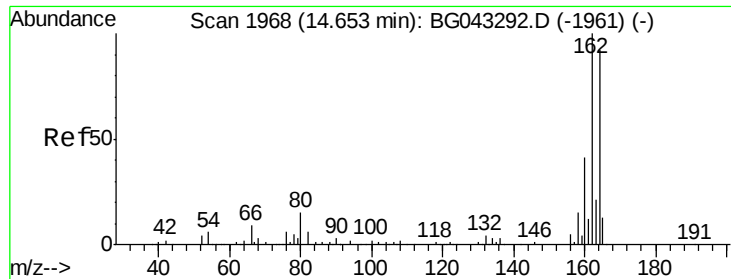
#23
Nitrobenzene-d5
Concen: 91.666 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG043425.D
Acq: 31 Oct 2019 7:04

Tgt Ion: 82	Resp: 233235
Ion Ratio	Lower Upper
82 100	
128 41.1	35.3 52.9
54 52.4	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# 1967

Delta R.T. -0.01 min

Lab File: BG043425.D

Acq: 31 Oct 2019 7:04

Instrument :

BNA_G

ClientSampleId :

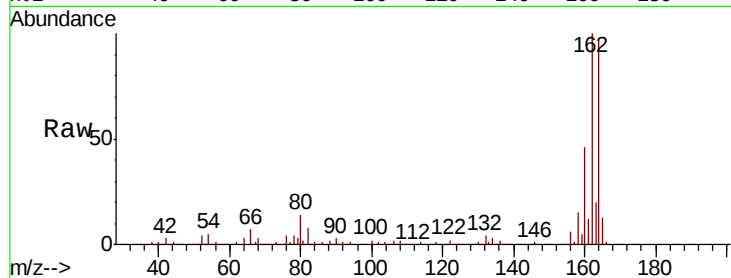
Tot Ion:164 Resp: 102787

Ion Ratio Lower Upper

164 100

162 103.3 87.0 130.4

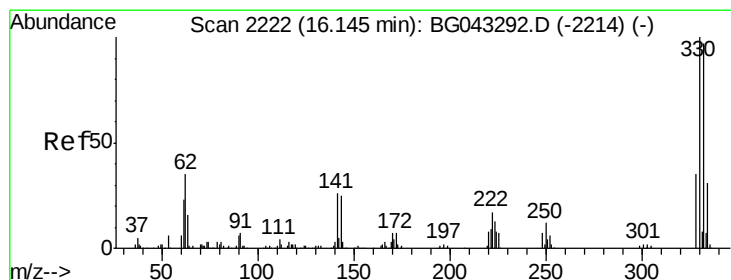
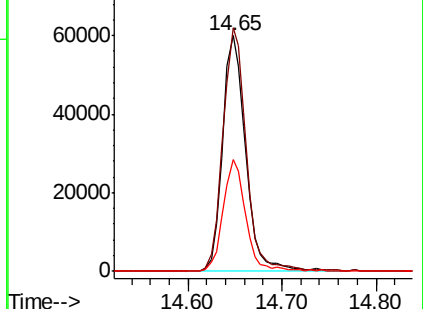
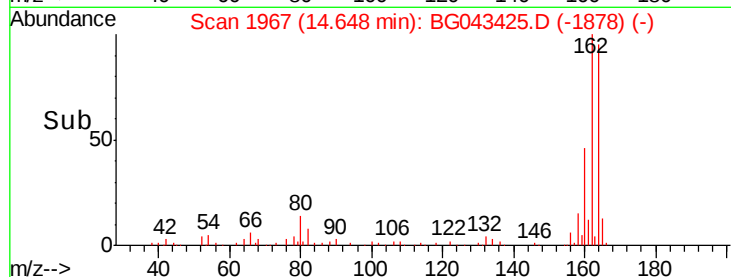
160 47.6 35.5 53.3



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: 133.999 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043425.D

Acq: 31 Oct 2019 7:04

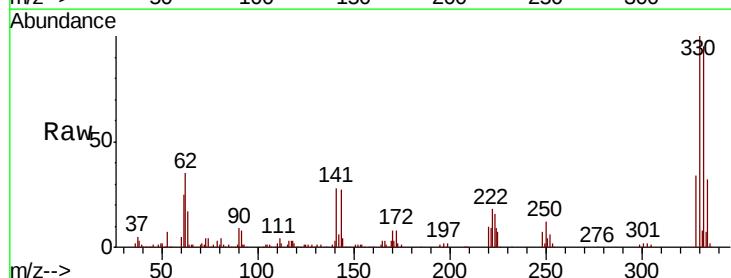
Tgt Ion:330 Resp: 262107

Ion Ratio Lower Upper

330 100

332 97.8 76.4 114.6

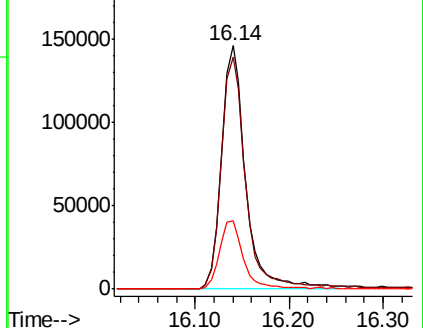
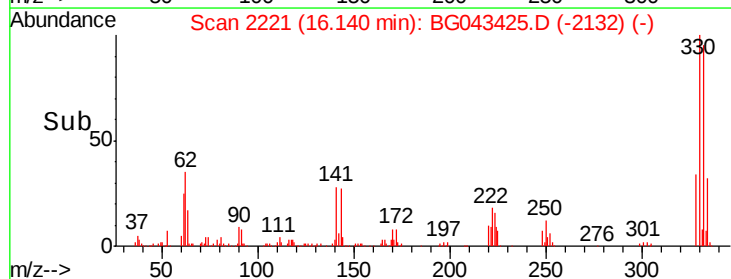
141 28.1 21.4 32.0

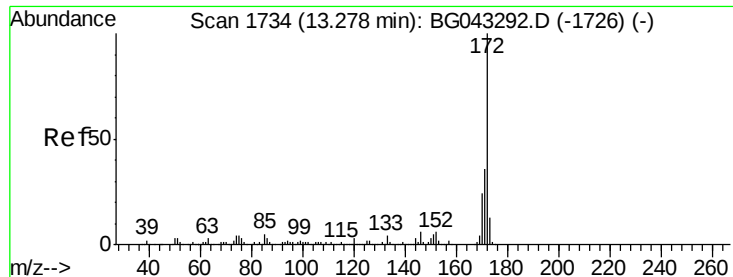


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

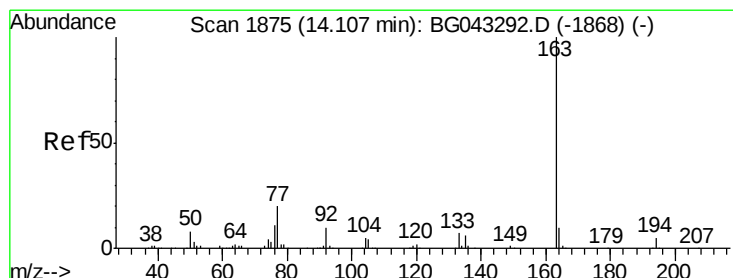
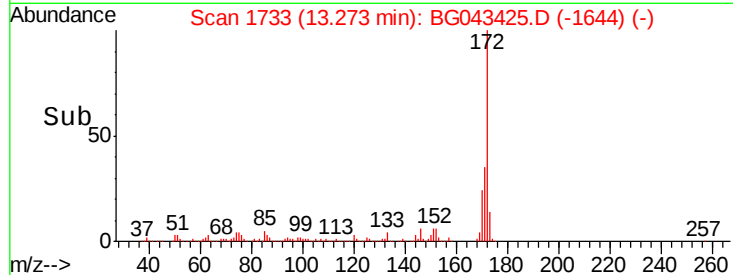
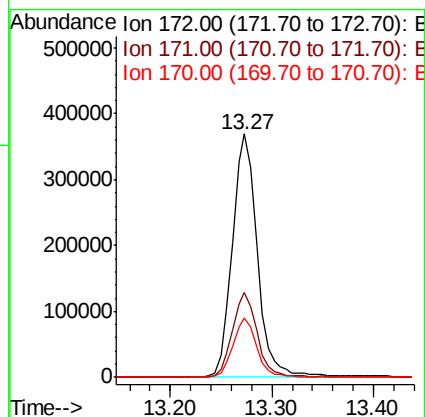
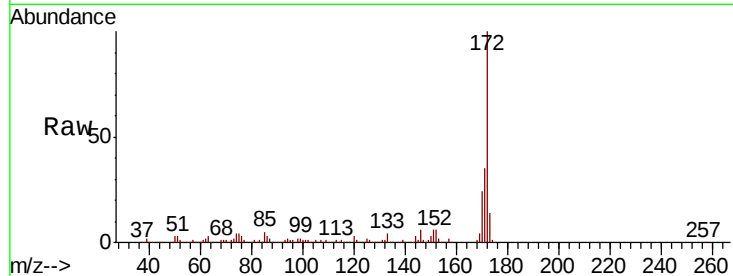




#45
 2-Fluorobiphenyl
 Concen: 85.163 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043425.D
 Acq: 31 Oct 2019 7:04

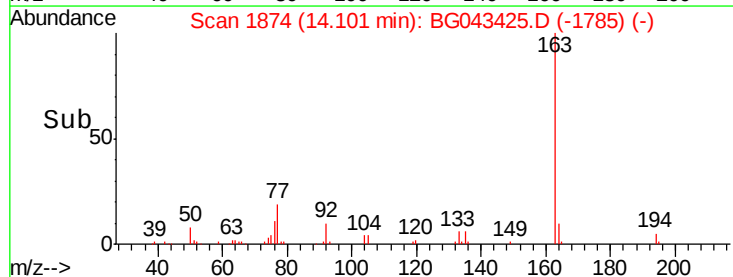
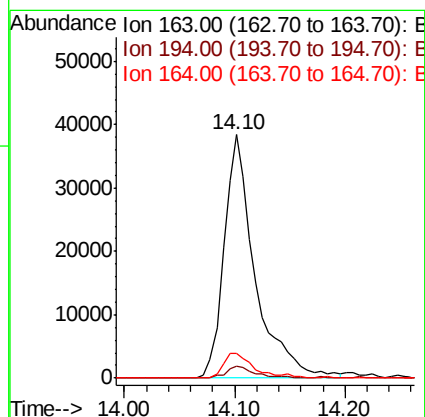
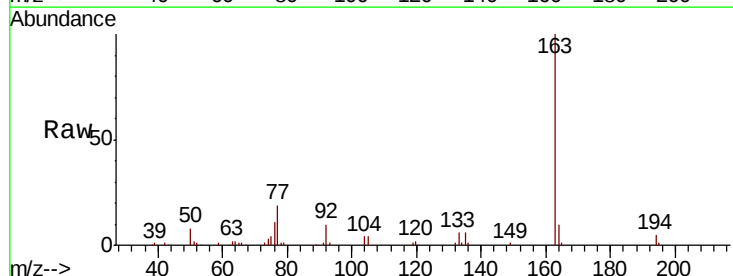
Instrument :
 BNA_G
 ClientSampleId :

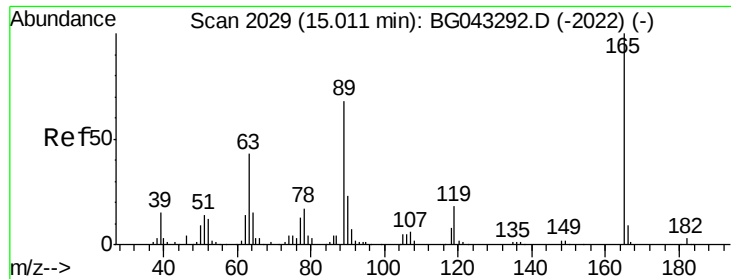
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.5	42.7
170	24.2	18.8	28.2



#50
 Dimethylphthalate
 Concen: 9.455 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043425.D
 Acq: 31 Oct 2019 7:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.7	5.5
164	10.4	8.1	12.1

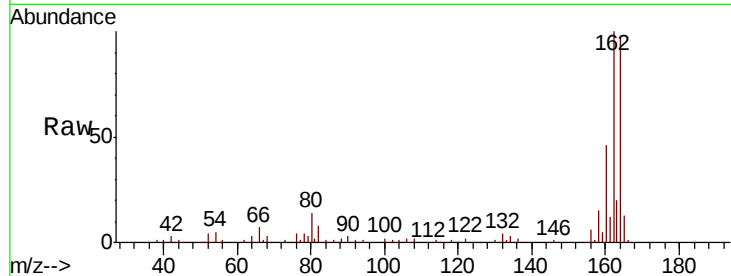




#57
 2,4-Dinitrotoluene
 Concen: 5.560 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043425.D
 Acq: 31 Oct 2019 7:04

Instrument :
 BNA_G
 ClientSampleId :

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#

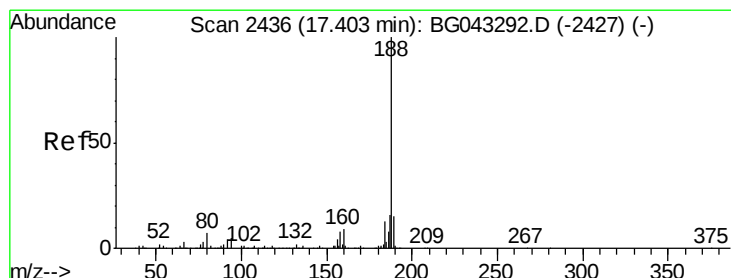
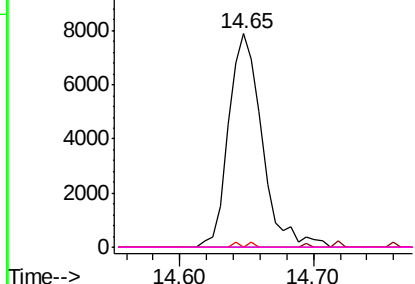
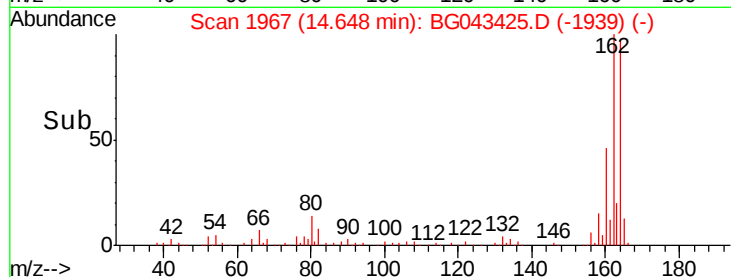


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

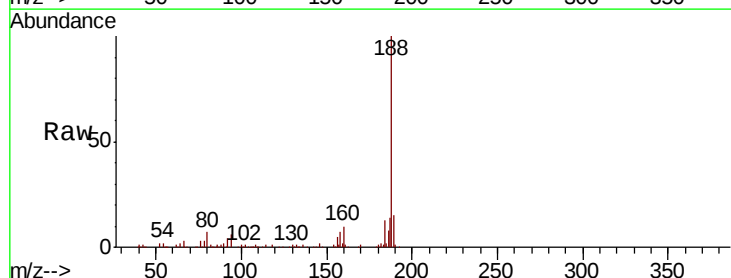
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: BG043425.D
 Acq: 31 Oct 2019 7:04

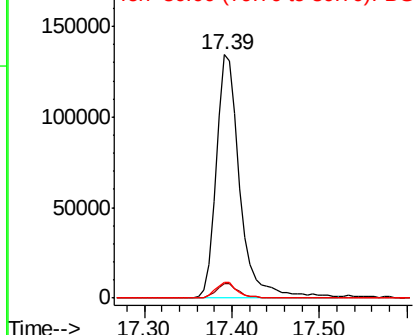
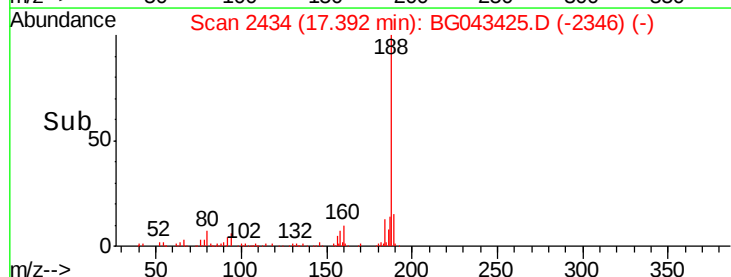
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.2	6.2
80	6.6	5.2	7.8

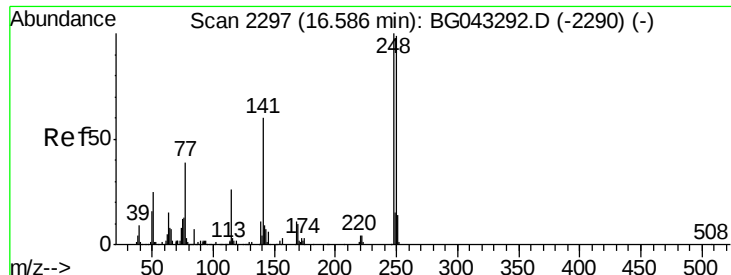


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

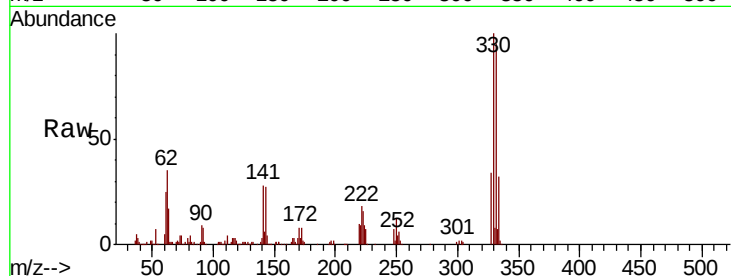




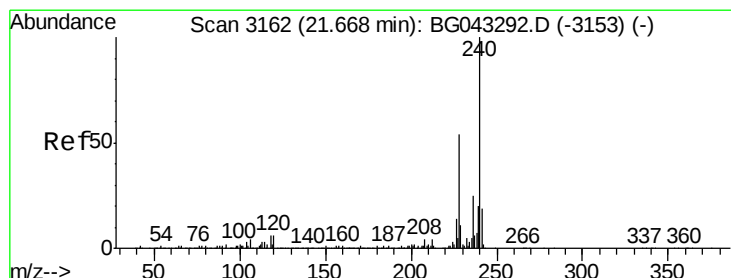
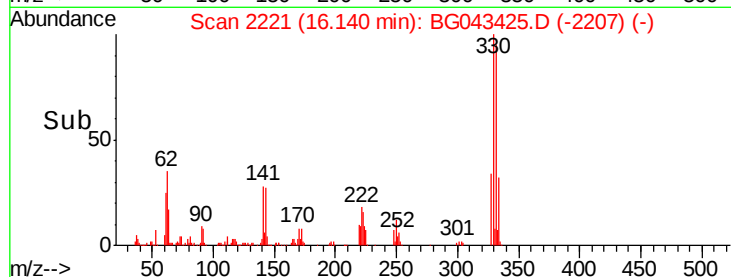
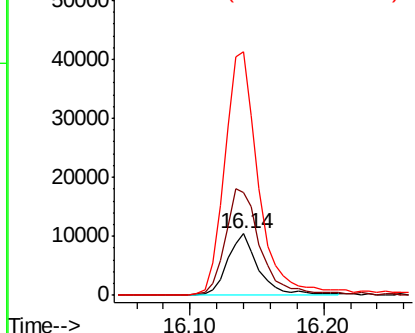
#67
 4-Bromophenyl-phenylether
 Concen: 5.038 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG043425.D
 Acq: 31 Oct 2019 7:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 17126
 Ion Ratio Lower Upper
 248 100
 250 166.9 79.3 118.9#
 141 395.2 47.9 71.9#

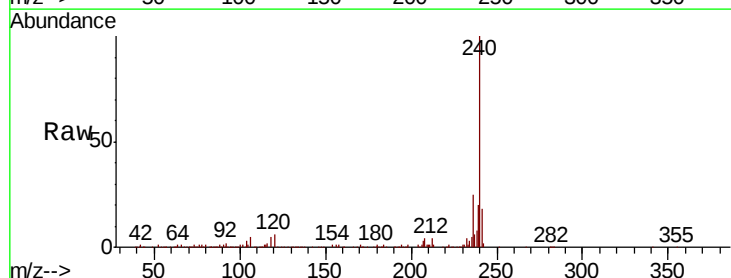


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

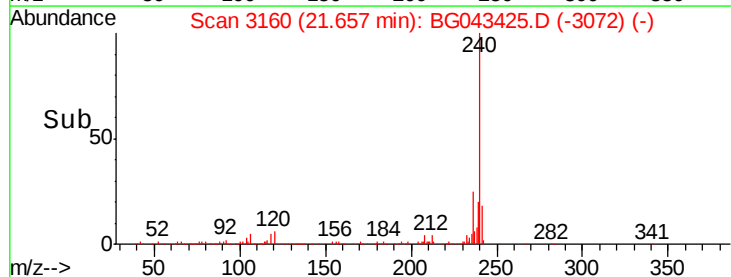
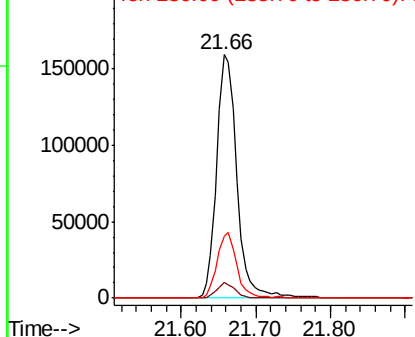


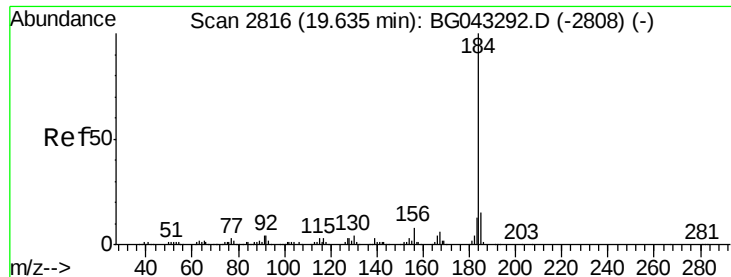
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3160
 Delta R.T. -0.01 min
 Lab File: BG043425.D
 Acq: 31 Oct 2019 7:04

Tgt Ion:240 Resp: 301969
 Ion Ratio Lower Upper
 240 100
 120 6.2 4.6 7.0
 236 25.4 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: 3.609 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043425.D

Acq: 31 Oct 2019 7:04

Instrument :

BNA_G

ClientSampleId :

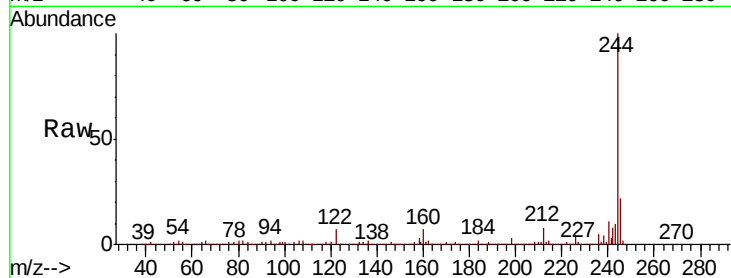
Tot Ion:184 Resp: 21933

Ion Ratio Lower Upper

184 100

185 17.1 11.8 17.6

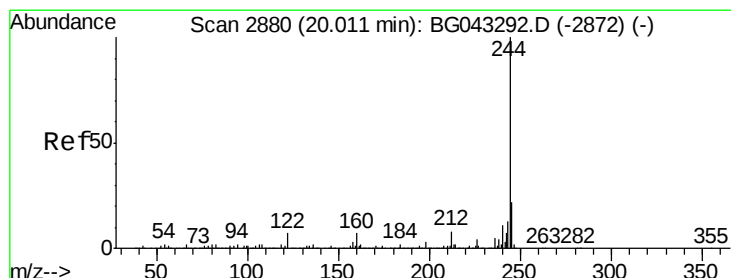
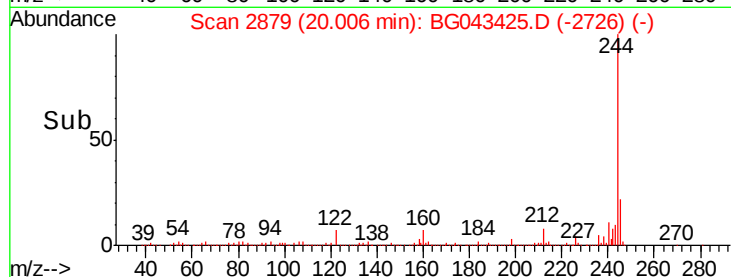
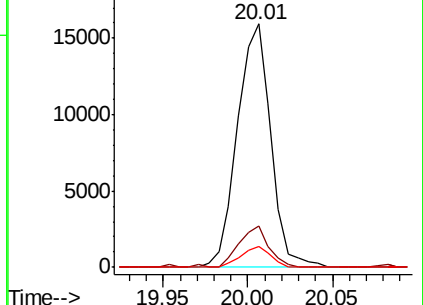
183 8.8 10.6 16.0#



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: 91.091 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043425.D

Acq: 31 Oct 2019 7:04

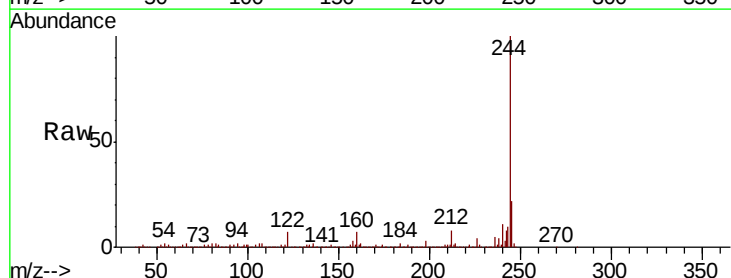
Tgt Ion:244 Resp: 1466188

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

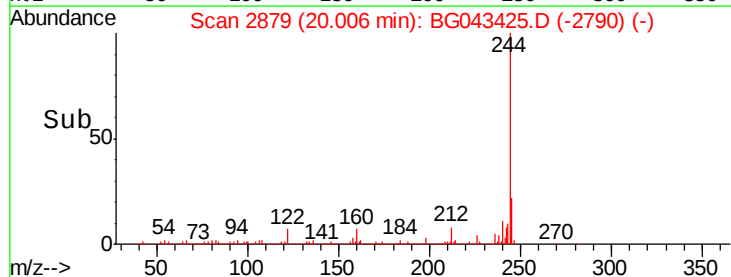
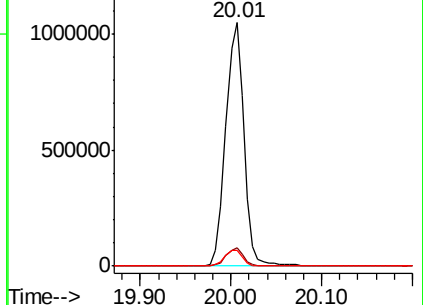
122 6.7 5.3 7.9

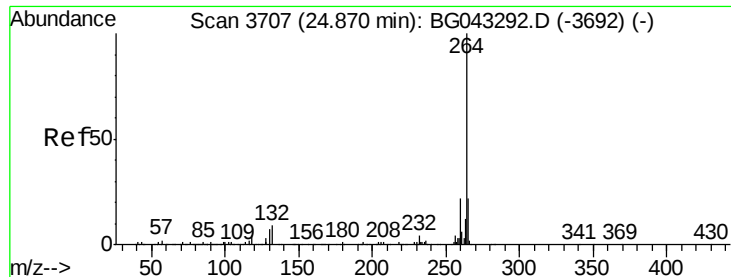


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3705
 Delta R.T. -0.01 min
 Lab File: BG043425.D
 Acq: 31 Oct 2019 7:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.9	26.9
265	20.9	17.4	26.2

