

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043424.D
 Acq On : 31 Oct 2019 6:25
 Operator : JU
 Sample : K5587-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 08:29:20 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

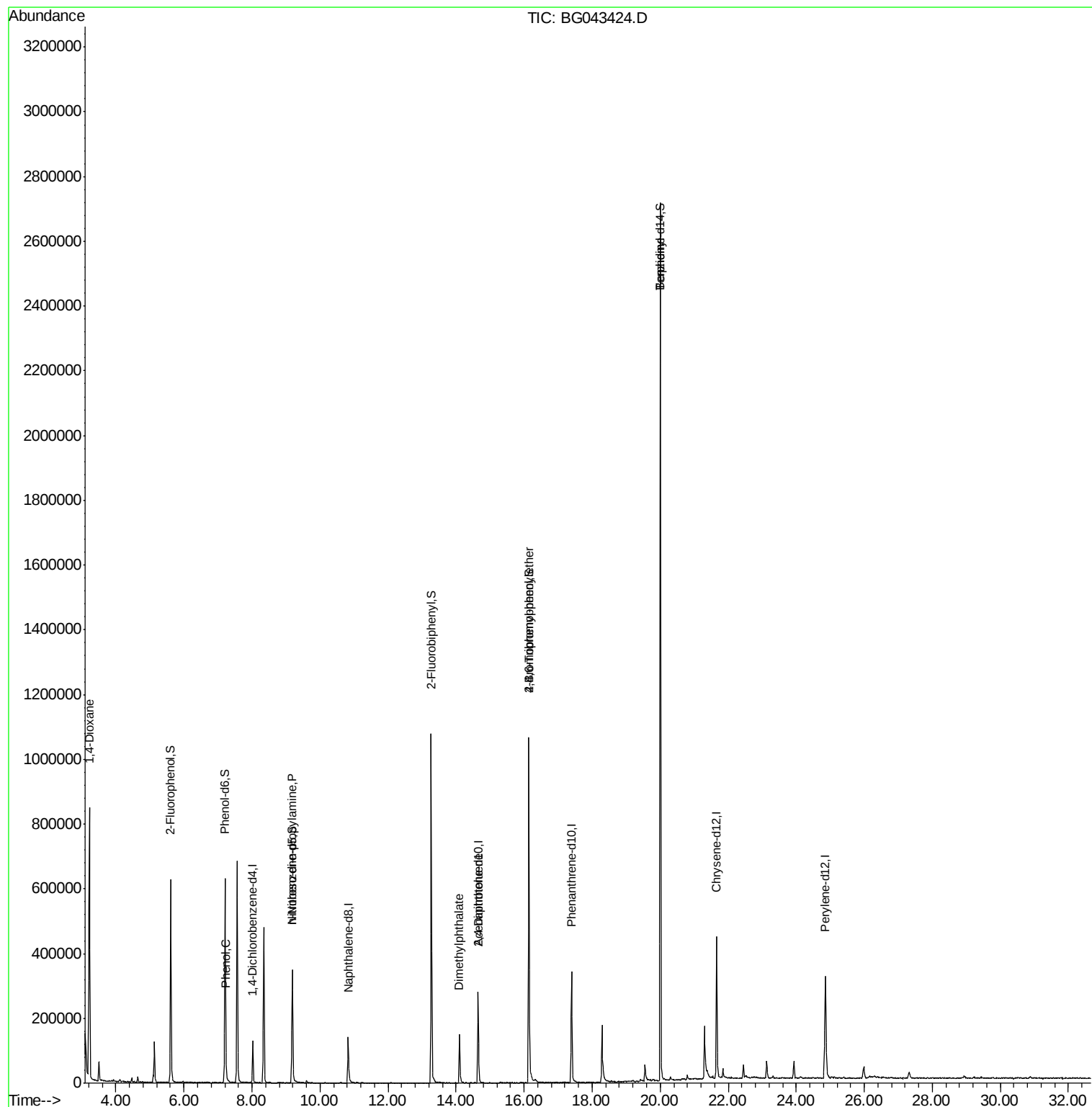
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	40178	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	147955	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	109938	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	268561	20.00	ng	0.00
76) Chrysene-d12	21.66	240	298988	20.00	ng	0.00
87) Perylene-d12	24.86	264	349091	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	290717	132.59	ng	0.00
7) Phenol-d6	7.21	99	402092	127.46	ng	0.00
23) Nitrobenzene-d5	9.19	82	245148	85.42	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	271242	129.65	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	662407	83.26	ng	0.00
79) Terphenyl-d14	20.00	244	1460588	91.65	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.22	88	9310	10.896	ng	Qvalue
10) Phenol	7.24	94	10389	3.604	ng	# 1
19) n-Nitroso-di-n-propylamine	9.19	70	33925	16.643	ng	# 75
50) Dimethylphthalate	14.10	163	130786	15.359	ng	# 99
57) 2,4-Dinitrotoluene	14.64	165	15294	5.785	ng	# 27
67) 4-Bromophenyl-phenylether	16.14	248	16722	4.627	ng	# 1
77) Benzidine	20.00	184	22606	3.757	ng	# 91

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

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BG043424.D

Acq: 31 Oct 2019 6:25

Instrument :

BNA_G

ClientSampleId :

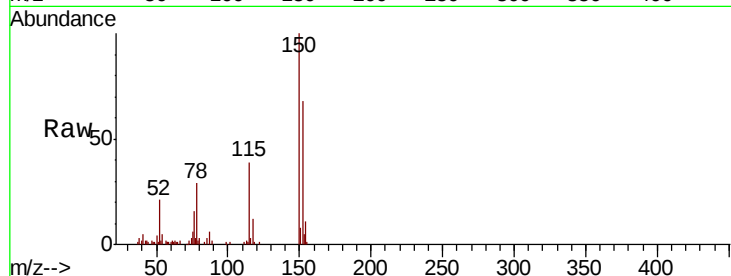
Tot Ion:152 Resp: 40178

Ion Ratio Lower Upper

152 100

150 147.4 113.6 170.4

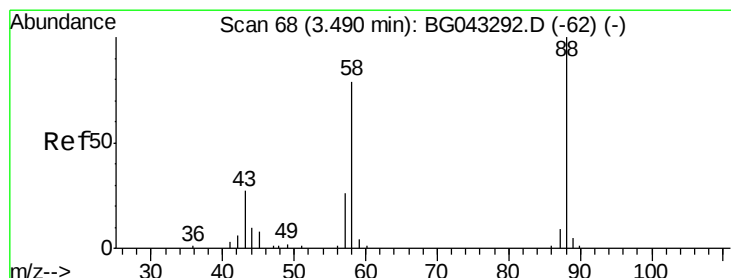
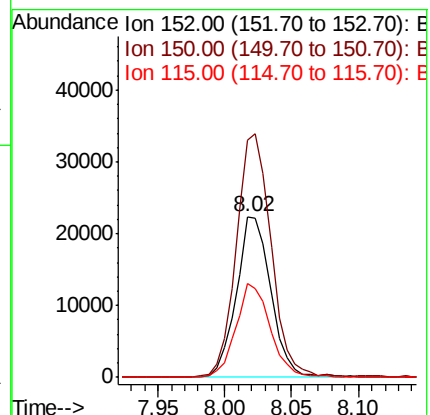
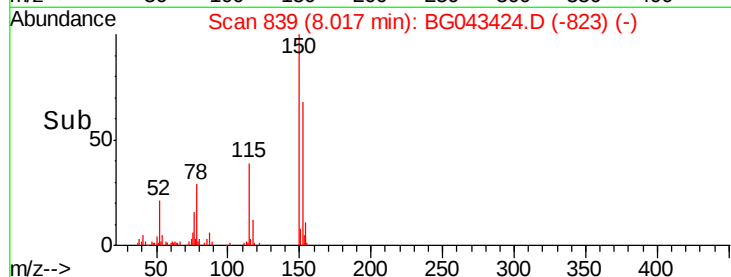
115 58.2 45.9 68.9



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: 10.896 ng

RT: 3.22 min Scan# 23

Delta R.T. -0.27 min

Lab File: BG043424.D

Acq: 31 Oct 2019 6:25

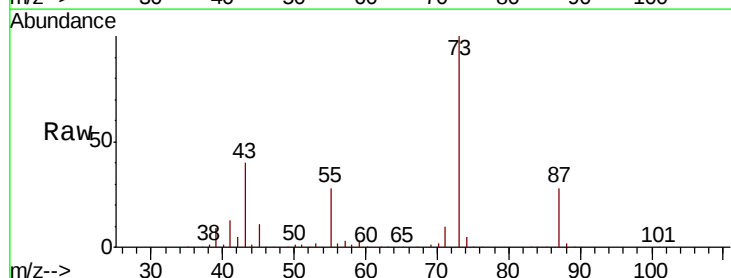
Tgt Ion: 88 Resp: 9310

Ion Ratio Lower Upper

88 100

58 41.6 60.2 90.2#

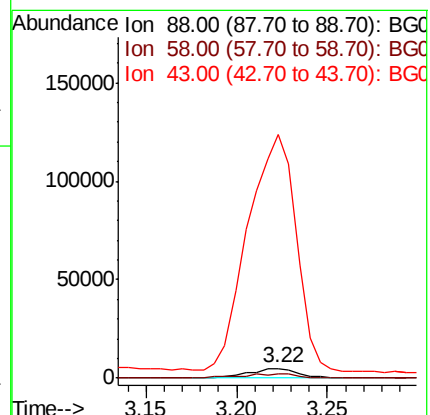
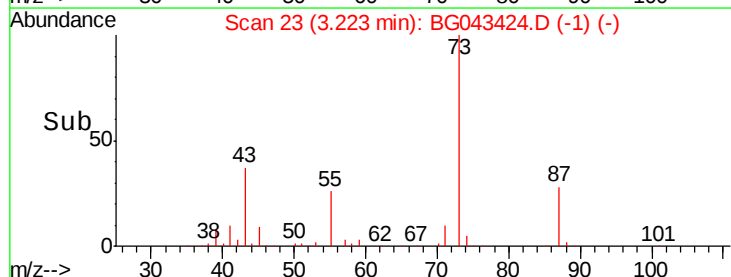
43 2408.6 22.7 34.1#

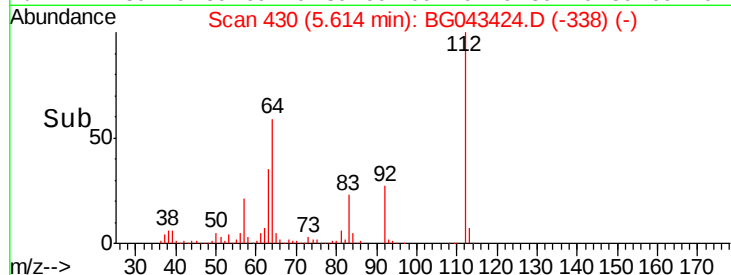
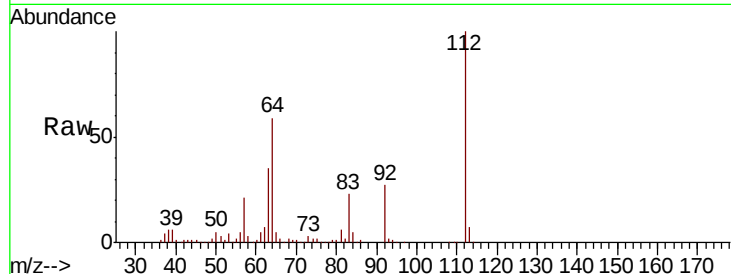
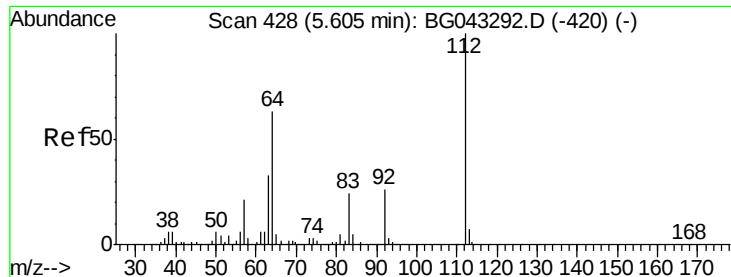


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

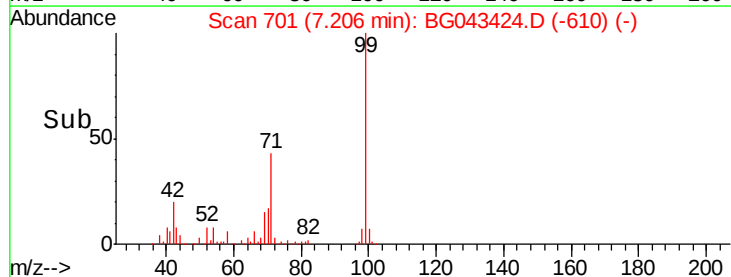
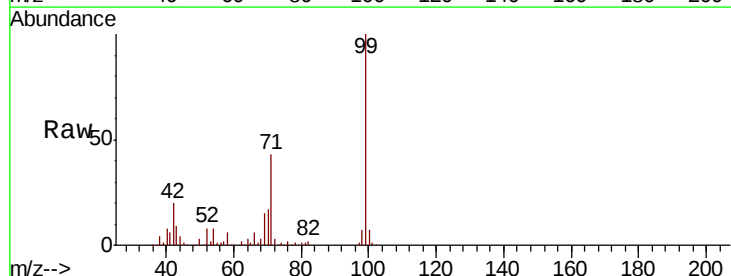
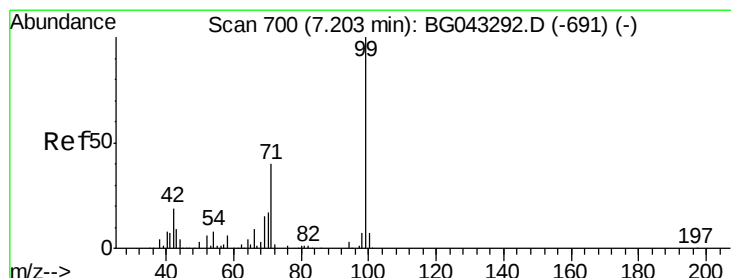
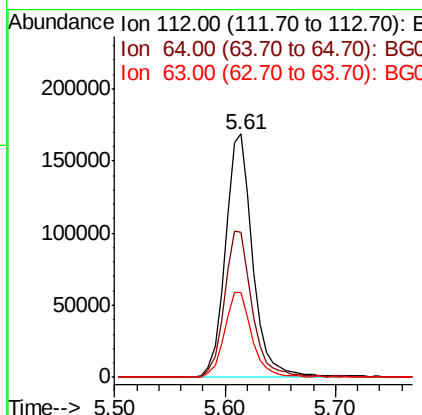




#5
2-Fluorophenol
Concen: 132.591 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043424.D
Acq: 31 Oct 2019 6:25

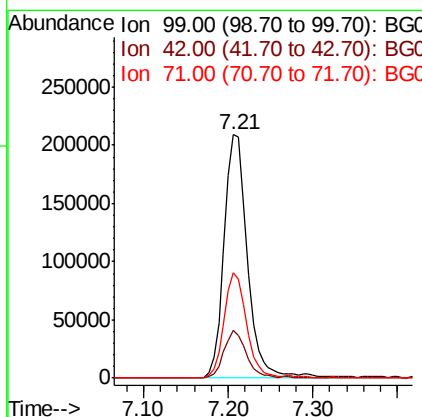
Instrument :
BNA_G
ClientSampleId :

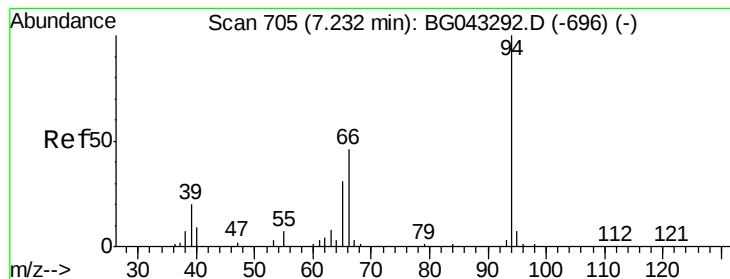
Tot Ion	Ratio	Lower	Upper
112	100		
64	59.4	50.2	75.2
63	34.6	26.7	40.1



#7
Phenol-d6
Concen: 127.461 ng
RT: 7.21 min Scan# 701
Delta R.T. 0.00 min
Lab File: BG043424.D
Acq: 31 Oct 2019 6:25

Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.9	22.3
71	43.4	32.2	48.2





#10

Phenol

Concen: 3.604 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG043424.D

Acq: 31 Oct 2019 6:25

Instrument :

BNA_G

ClientSampleId :

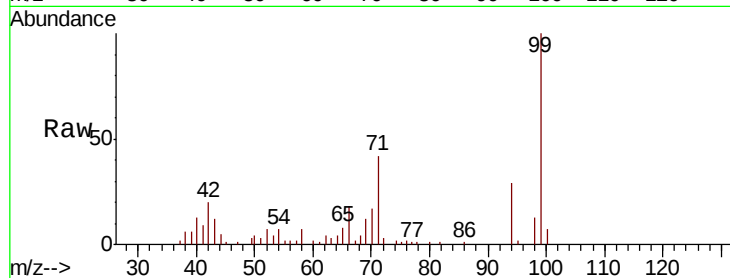
Tot Ion: 94 Resp: 10389

Ion Ratio Lower Upper

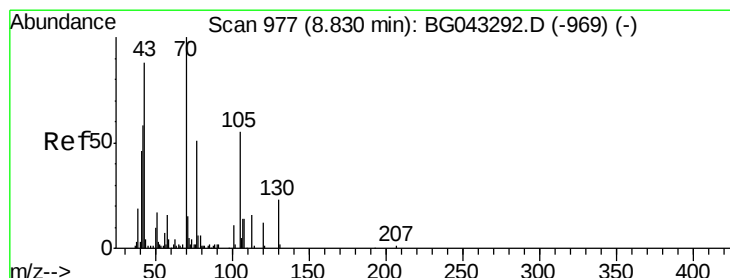
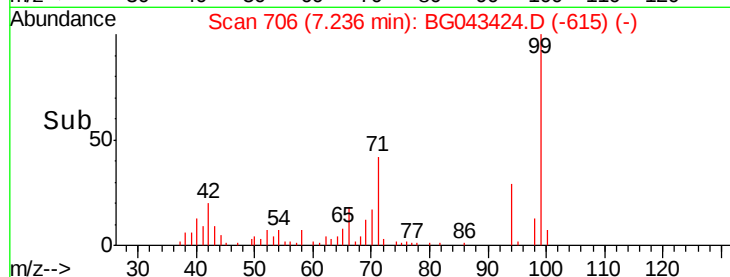
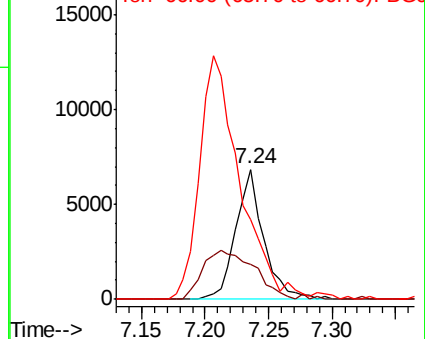
94 100

65 27.0 11.1 51.1

66 61.2 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: 16.643 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043424.D

Acq: 31 Oct 2019 6:25

Tgt Ion: 70 Resp: 33925

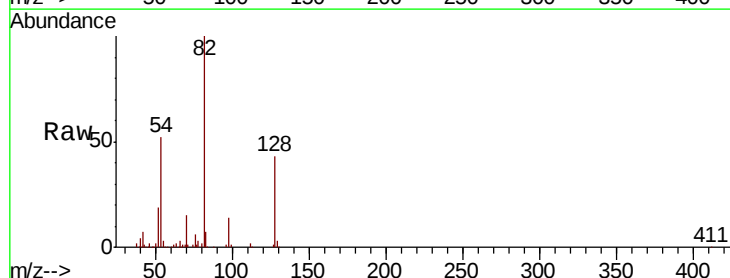
Ion Ratio Lower Upper

70 100

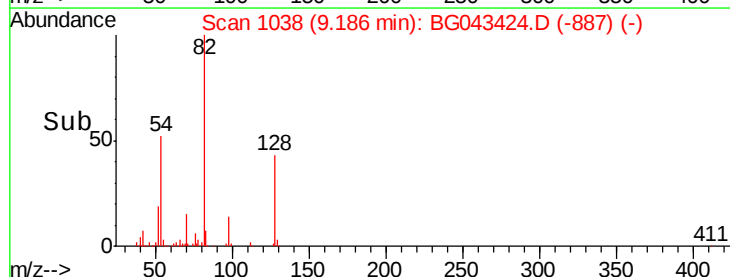
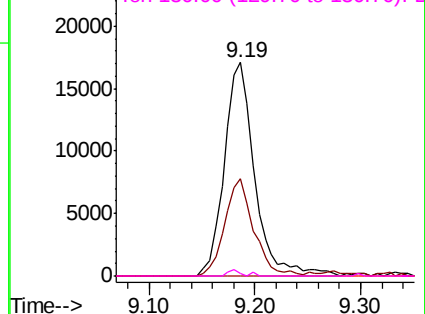
42 45.8 46.2 69.2#

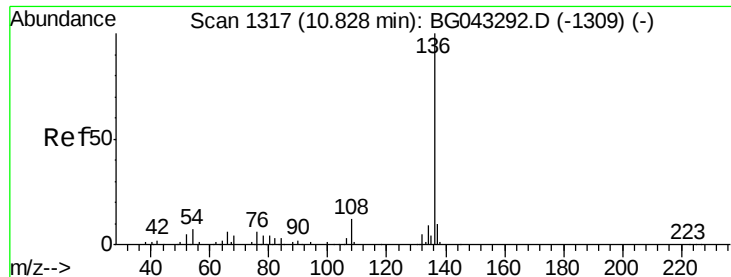
101 0.0 8.6 13.0#

130 1.5 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# 1317

Delta R.T. -0.00 min

Lab File: BG043424.D

Acq: 31 Oct 2019 6:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 147955

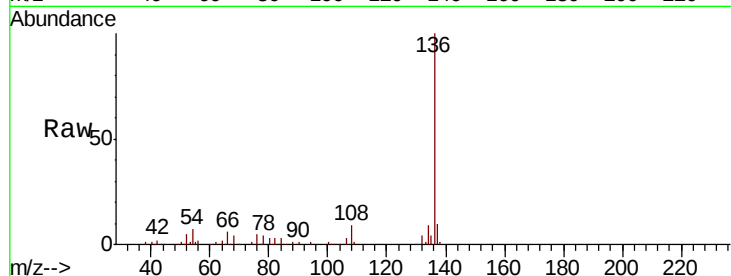
Ion Ratio Lower Upper

136 100

137 9.6 8.2 12.2

54 7.3 5.4 8.2

68 4.1 3.3 4.9

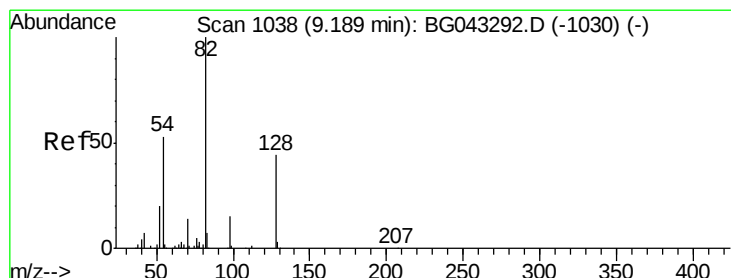
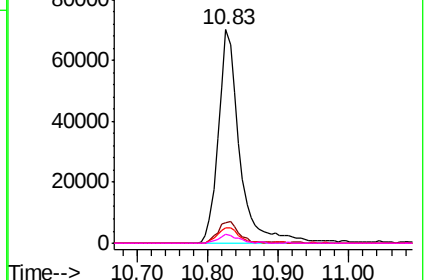
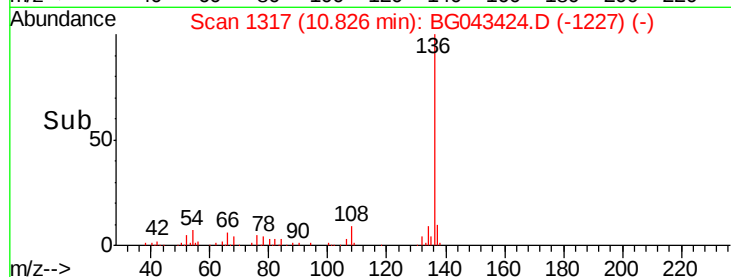


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.421 ng

RT: 9.19 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BG043424.D

Acq: 31 Oct 2019 6:25

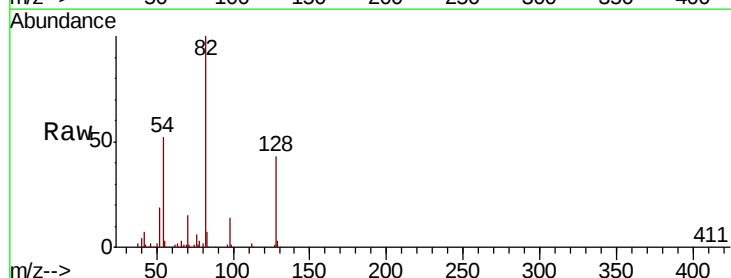
Tgt Ion: 82 Resp: 245148

Ion Ratio Lower Upper

82 100

128 43.3 35.3 52.9

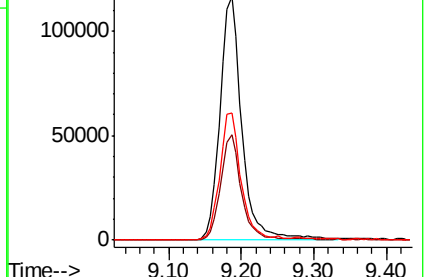
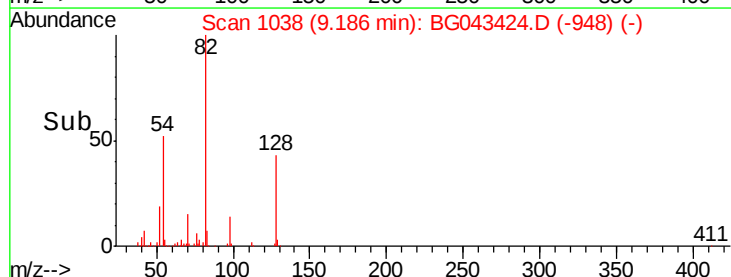
54 52.1 42.3 63.5

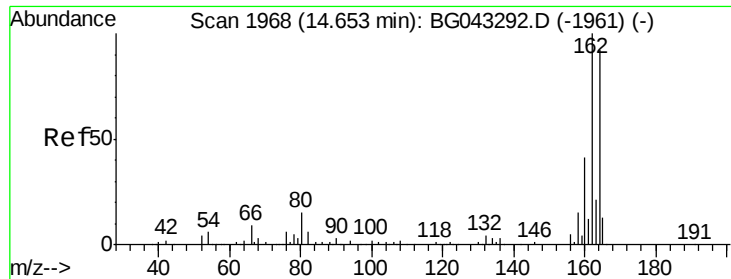


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG043424.D

Acq: 31 Oct 2019 6:25

Instrument :

BNA_G

ClientSampleId :

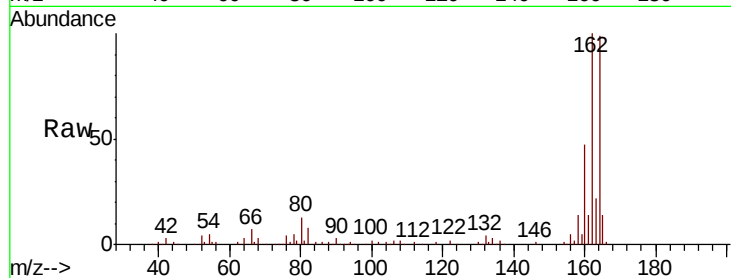
Tot Ion:164 Resp: 109938

Ion Ratio Lower Upper

164 100

162 100.8 87.0 130.4

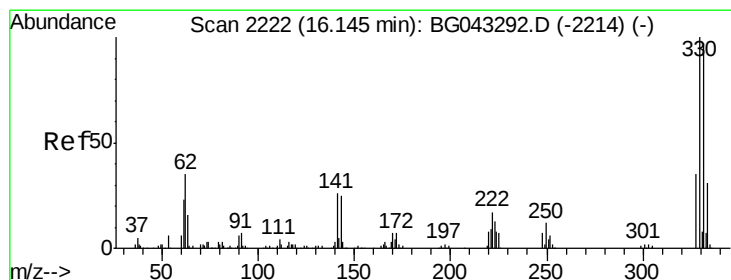
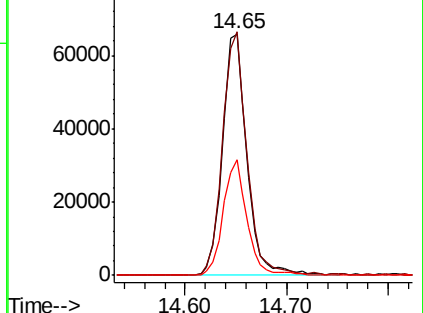
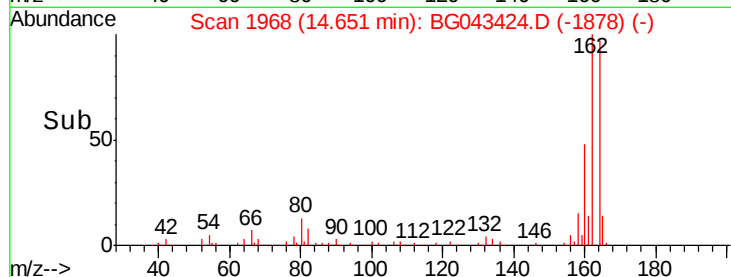
160 47.8 35.5 53.3



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: 129.649 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043424.D

Acq: 31 Oct 2019 6:25

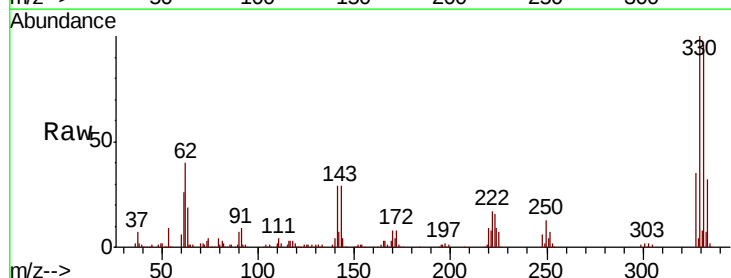
Tgt Ion:330 Resp: 271242

Ion Ratio Lower Upper

330 100

332 97.5 76.4 114.6

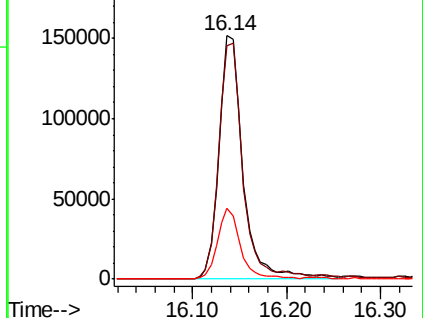
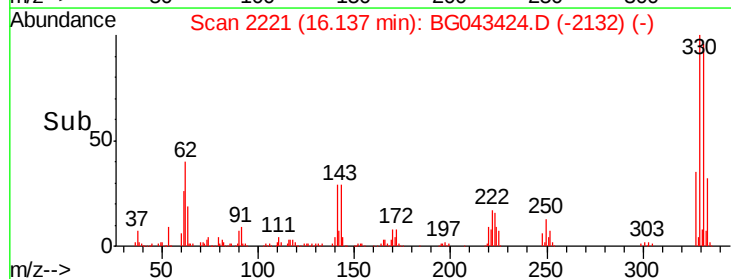
141 28.1 21.4 32.0

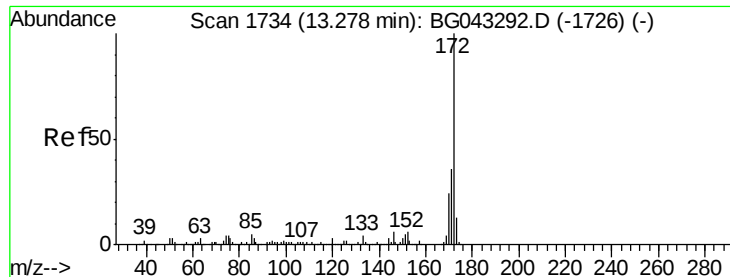


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



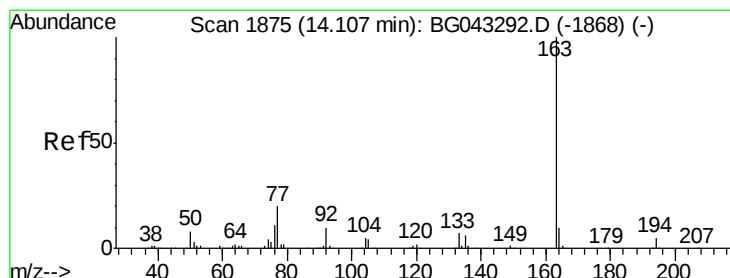
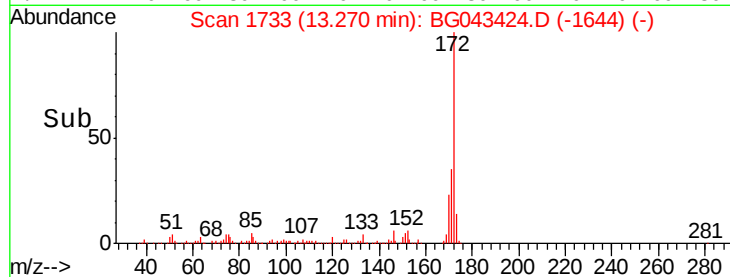
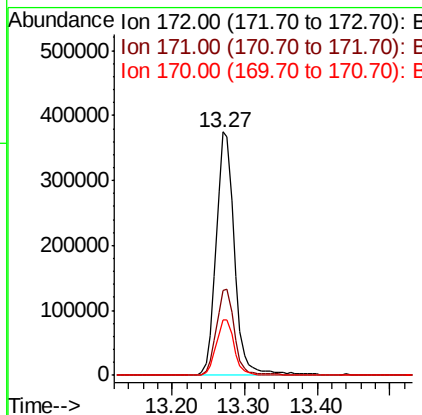
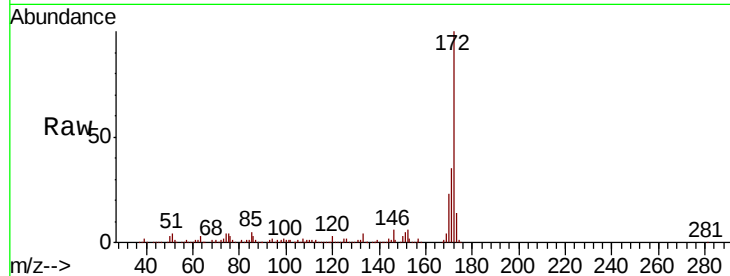


#45
 2-Fluorobiphenyl
 Concen: 83.257 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043424.D
 Acq: 31 Oct 2019 6:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 662407

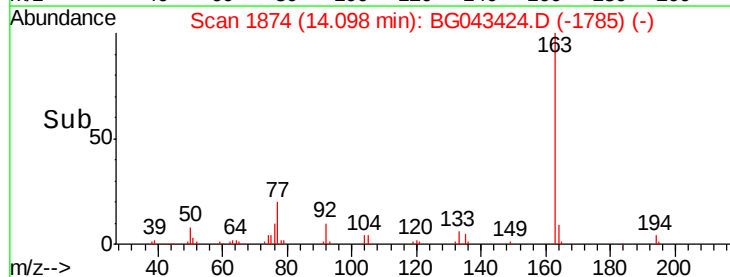
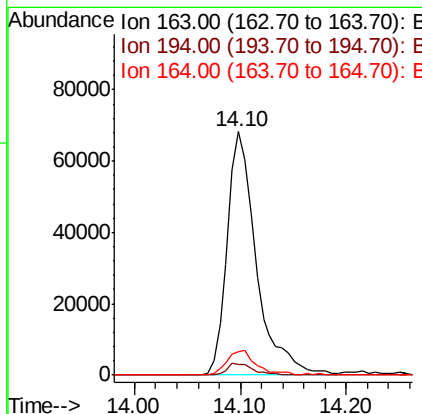
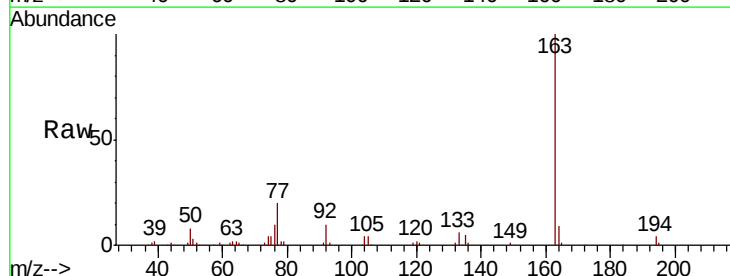
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.5	42.7
170	22.8	18.8	28.2

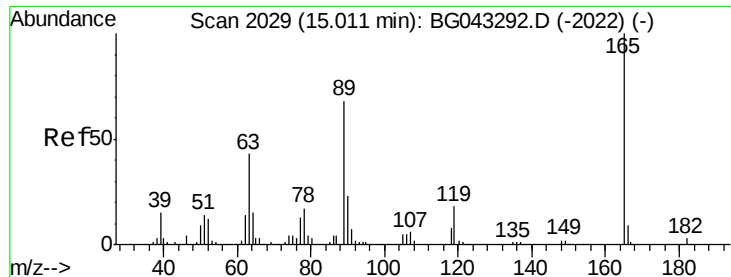


#50
 Dimethylphthalate
 Concen: 15.359 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043424.D
 Acq: 31 Oct 2019 6:25

Tgt Ion:163 Resp: 130786

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.7	5.5
164	9.4	8.1	12.1

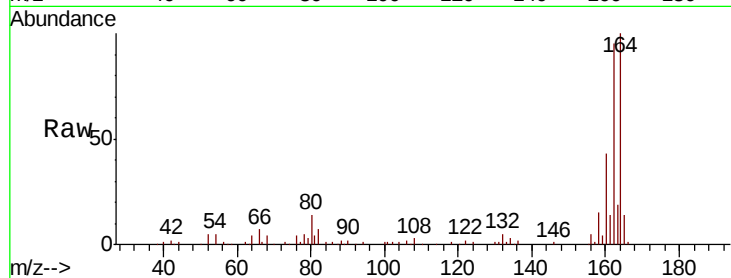




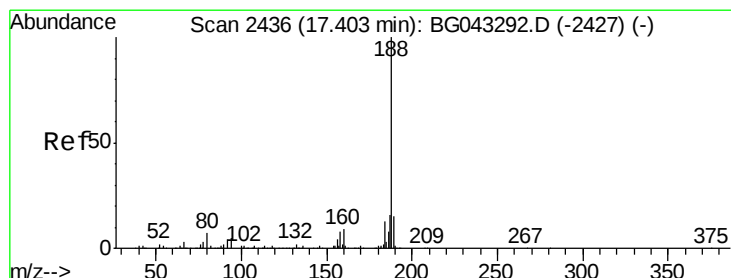
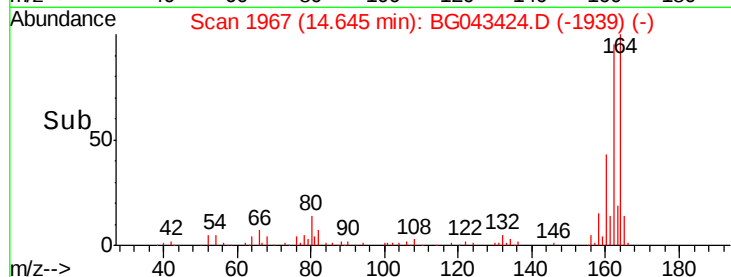
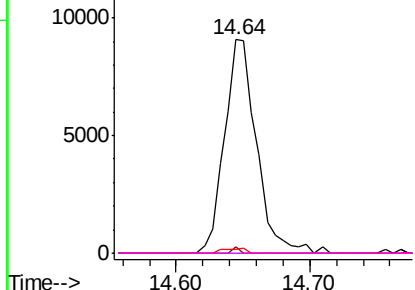
#57
 2,4-Dinitrotoluene
 Concen: 5.785 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.37 min
 Lab File: BG043424.D
 Acq: 31 Oct 2019 6:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165	Resp:	15294
Ion Ratio	Lower	Upper
165	100	
63	2.8	35.0 52.6#
89	2.1	54.1 81.1#
182	0.0	2.2 3.2#

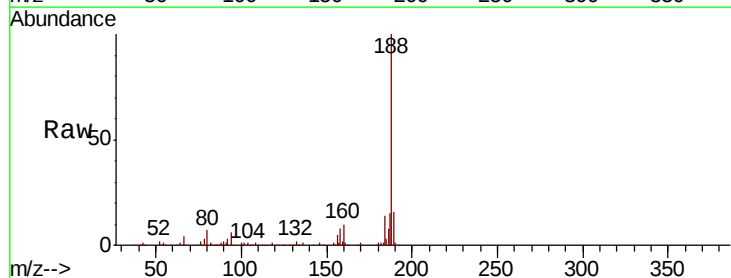


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

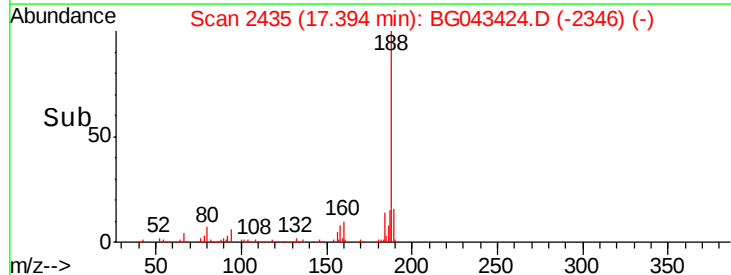
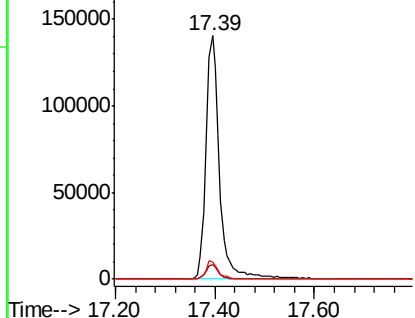


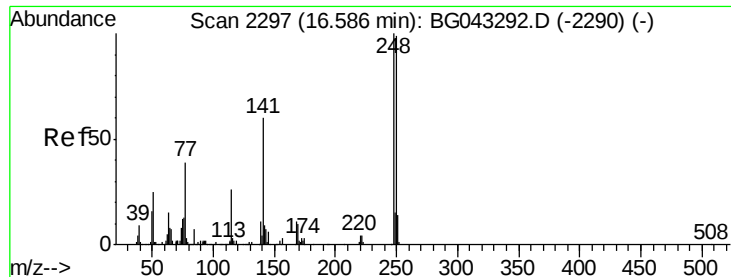
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043424.D
 Acq: 31 Oct 2019 6:25

Tgt Ion:188	Resp:	268561
Ion Ratio	Lower	Upper
188	100	
94	5.7	4.2 6.2
80	7.2	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

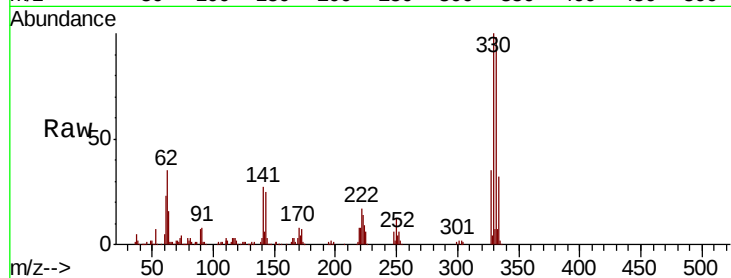




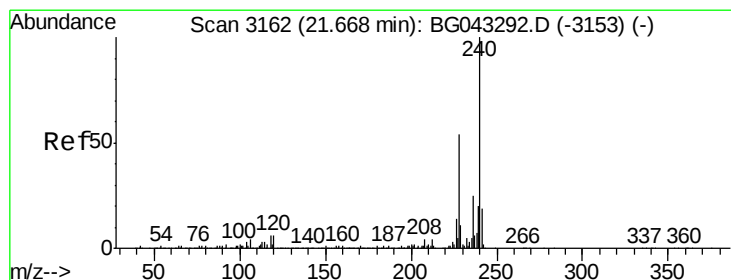
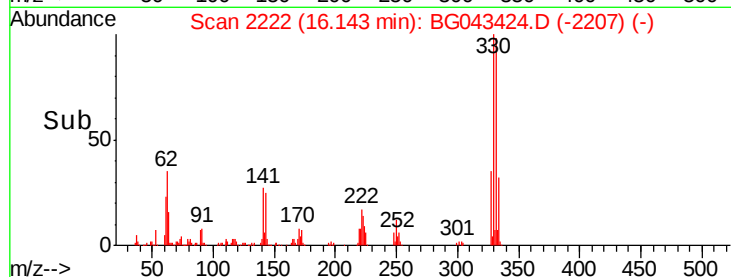
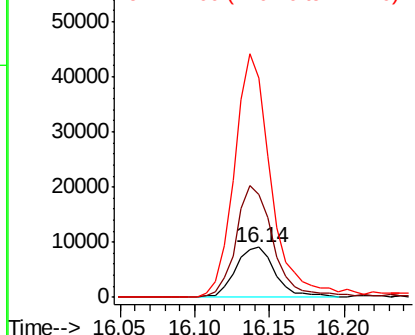
#67
4-Bromophenyl-phenylether
Concen: 4.627 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.44 min
Lab File: BG043424.D
Acq: 31 Oct 2019 6:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16722
Ion Ratio Lower Upper
248 100
250 204.0 79.3 118.9#
141 436.5 47.9 71.9#

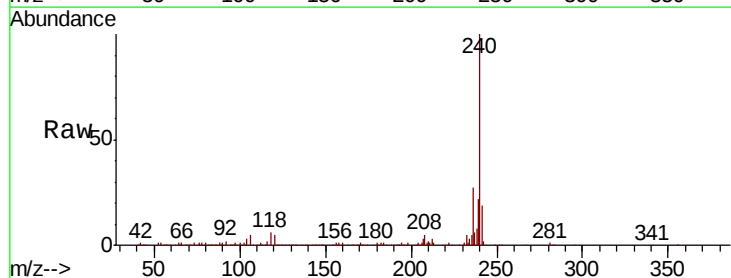


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

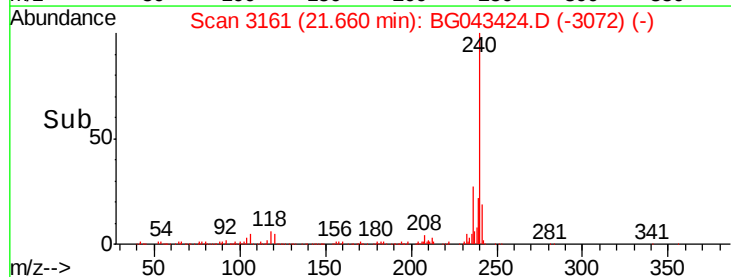
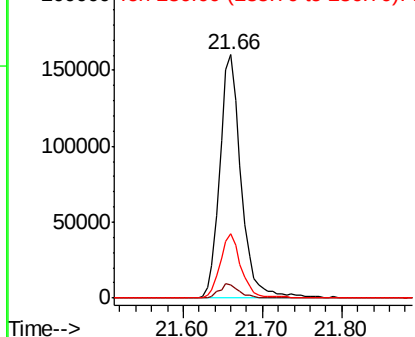


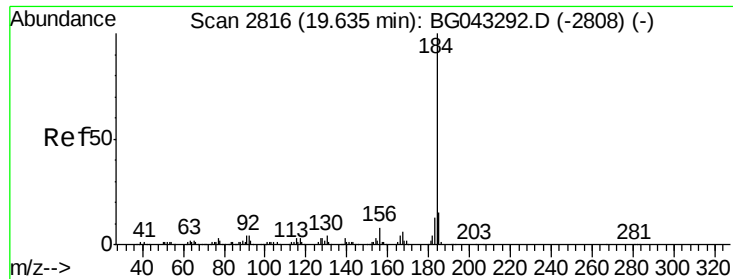
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043424.D
Acq: 31 Oct 2019 6:25

Tgt Ion:240 Resp: 298988
Ion Ratio Lower Upper
240 100
120 5.3 4.6 7.0
236 26.6 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: 3.757 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043424.D

Acq: 31 Oct 2019 6:25

Instrument :

BNA_G

ClientSampleId :

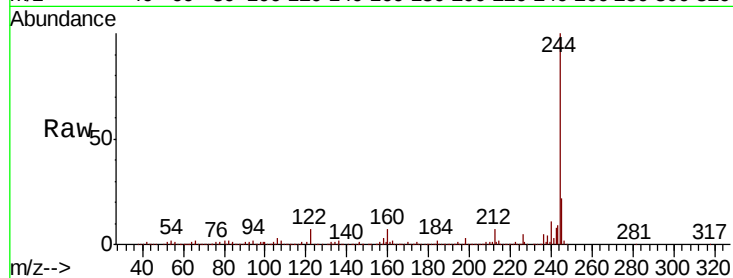
Tot Ion:184 Resp: 22606

Ion Ratio Lower Upper

184 100

185 13.9 11.8 17.6

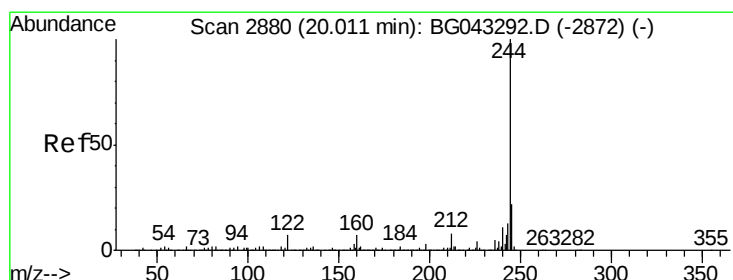
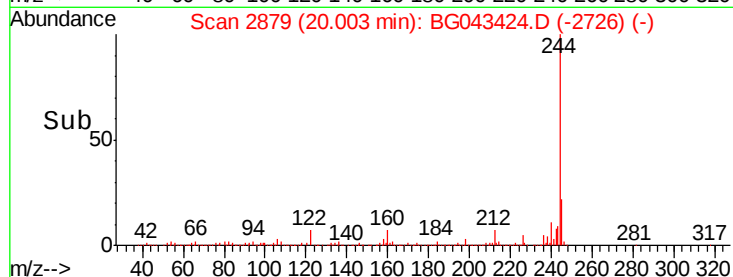
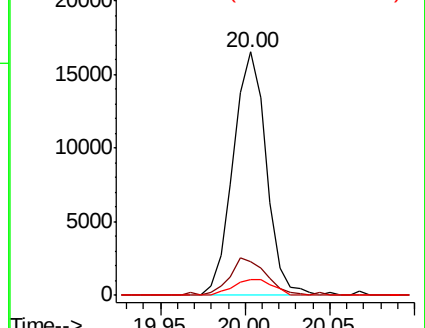
183 6.5 10.6 16.0#



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: 91.647 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043424.D

Acq: 31 Oct 2019 6:25

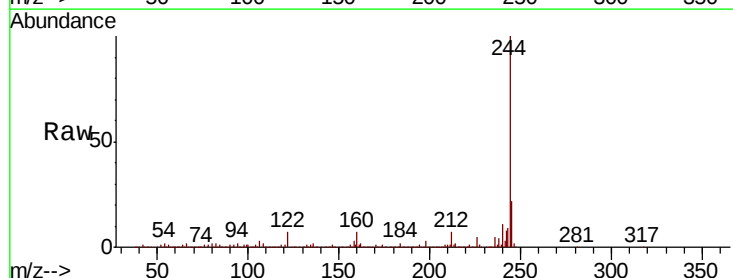
Tgt Ion:244 Resp: 1460588

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

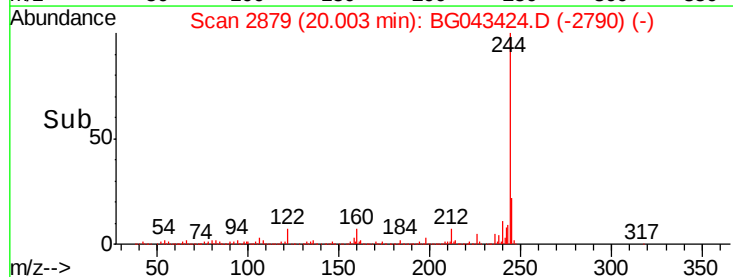
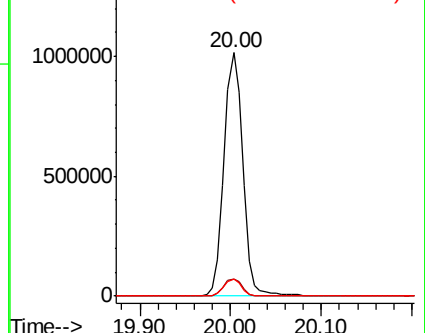
122 7.1 5.3 7.9

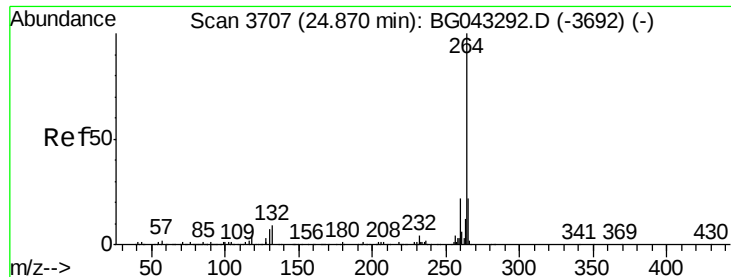


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

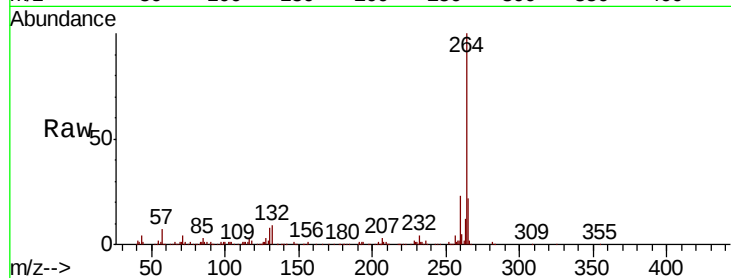




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG043424.D
Acq: 31 Oct 2019 6:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.9	26.9
265	22.3	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

