

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042901.D
 Acq On : 18 Sep 2019 19:28
 Operator : HP/JU
 Sample : K4878-19
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:14:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

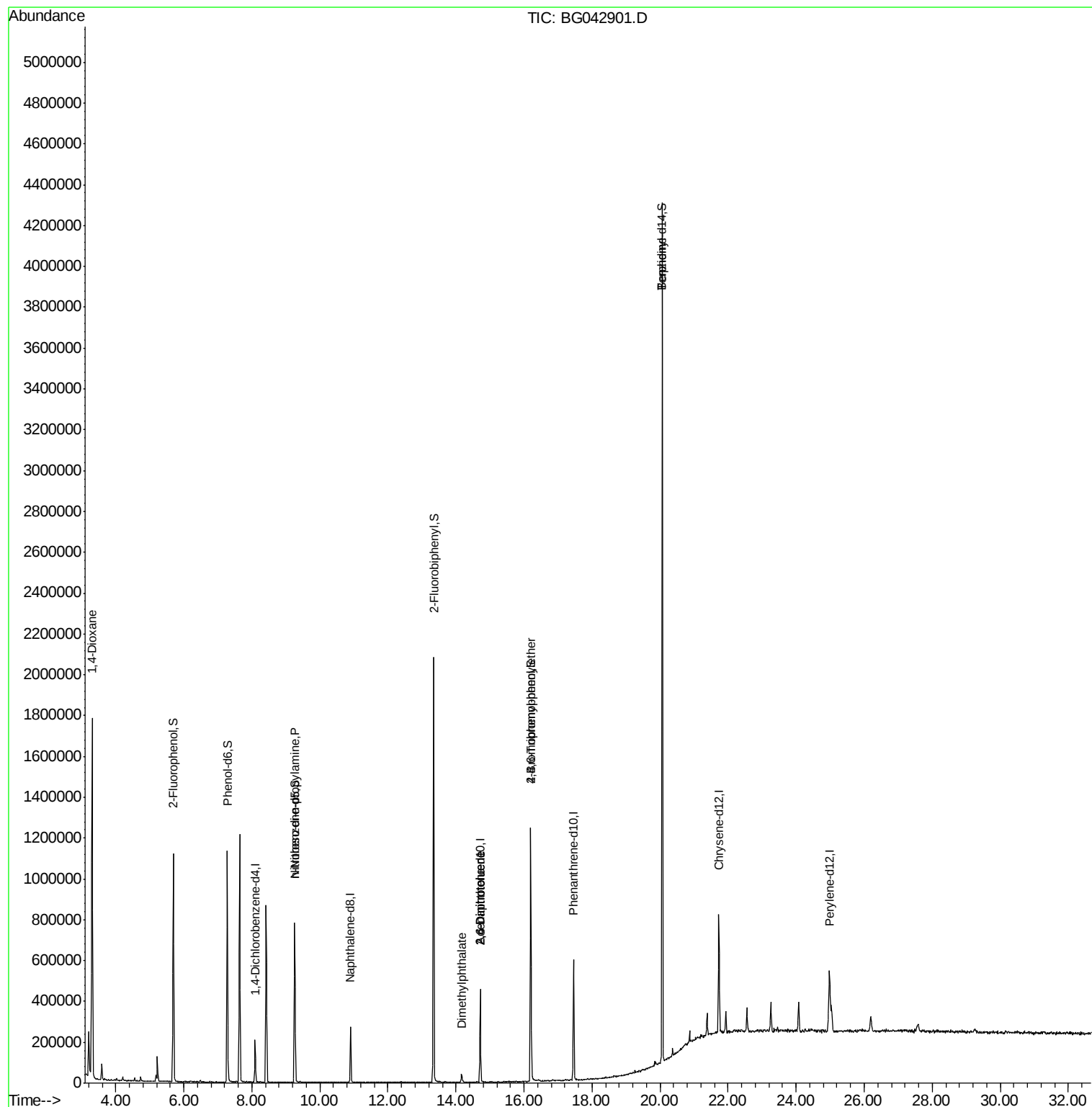
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	54597	20.00	ng	-0.03
21) Naphthalene-d8	10.90	136	215434	20.00	ng	-0.03
39) Acenaphthene-d10	14.71	164	160252	20.00	ng	-0.03
64) Phenanthrene-d10	17.46	188	379130	20.00	ng	-0.03
76) Chrysene-d12	21.73	240	364507	20.00	ng	-0.03
87) Perylene-d12	24.98	264	391505	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	411643	131.08	ng	0.00
7) Phenol-d6	7.28	99	576423	127.88	ng	0.01
23) Nitrobenzene-d5	9.26	82	464411	112.23	ng	-0.02
42) 2,4,6-Tribromophenol	16.20	330	241330	113.19	ng	-0.02
45) 2-Fluorobiphenyl	13.34	172	1091572	107.82	ng	-0.03
79) Terphenyl-d14	20.07	244	1856941	112.91	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.30	88	13956	9.738	ng	# 1
19) n-Nitroso-di-n-propylamine	9.26	70	68921	20.751	ng	# 77
50) Dimethylphthalate	14.17	163	29073	2.422	ng	# 98
51) 2,6-Dinitrotoluene	14.71	165	21783	8.843	ng	# 21
57) 2,4-Dinitrotoluene	14.71	165	21783	6.634	ng	# 25
67) 4-Bromophenyl-phenylether	16.20	248	16671	3.633	ng	# 1
77) Benzidine	20.07	184	35468	3.483	ng	# 95

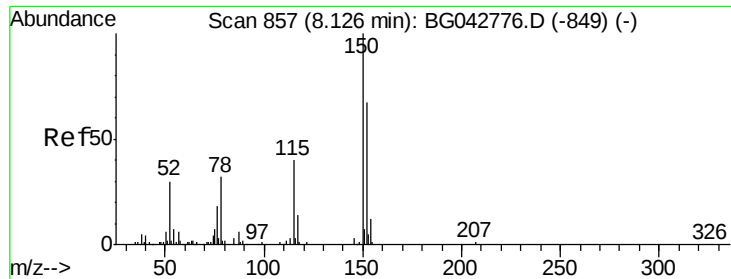
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 852

Delta R.T. -0.03 min

Lab File: BG042901.D

Acq: 18 Sep 2019 19:28

Instrument :

BNA_G

ClientSampleId :

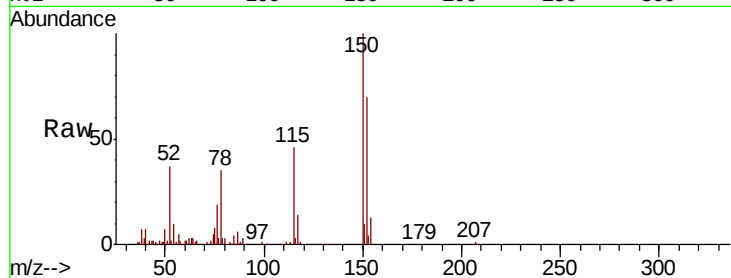
Tot Ion:152 Resp: 54597

Ion Ratio Lower Upper

152 100

150 143.9 118.9 178.3

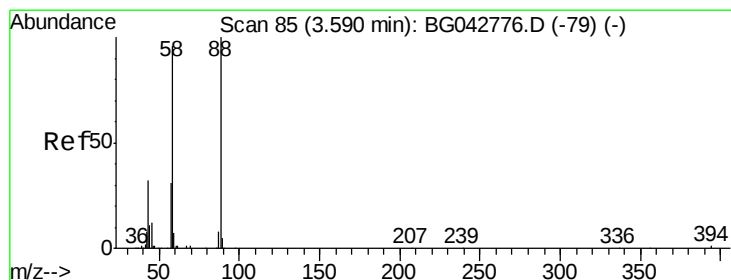
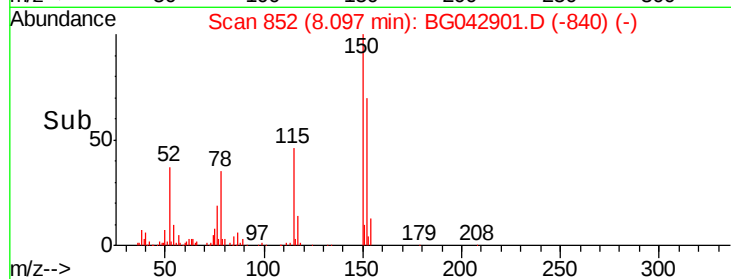
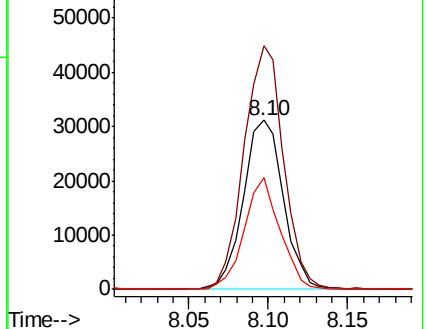
115 65.8 47.4 71.2



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: 9.738 ng

RT: 3.30 min Scan# 36

Delta R.T. -0.29 min

Lab File: BG042901.D

Acq: 18 Sep 2019 19:28

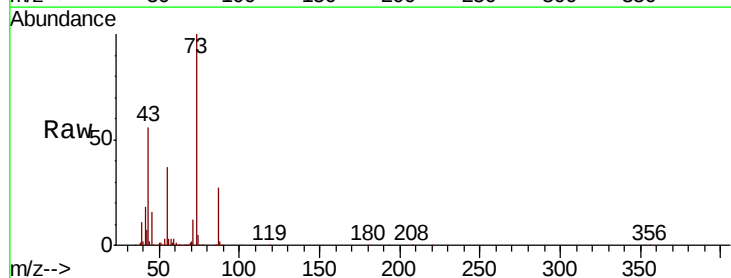
Tgt Ion: 88 Resp: 13956

Ion Ratio Lower Upper

88 100

58 49.5 79.1 118.7#

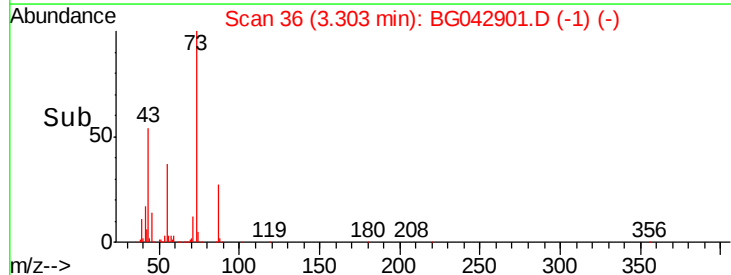
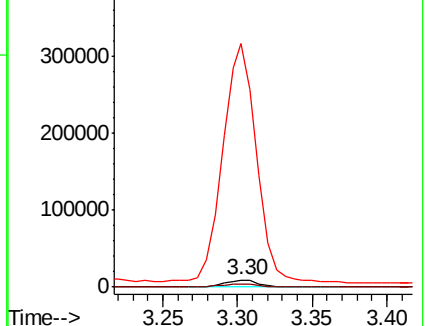
43 3542.5 30.4 45.6#

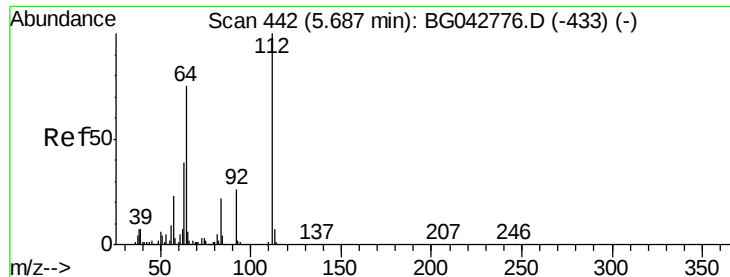


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 131.081 ng

RT: 5.69 min Scan# 442

Delta R.T. 0.00 min

Lab File: BG042901.D

Acq: 18 Sep 2019 19:28

Instrument :

BNA_G

ClientSampleId :

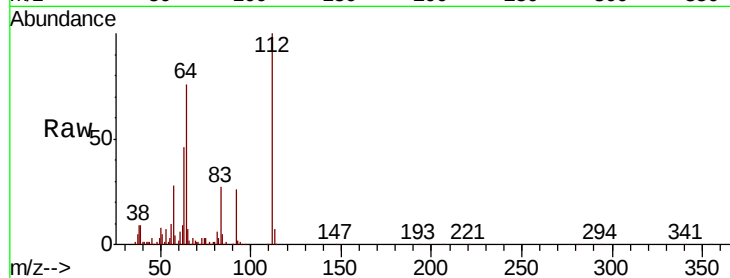
Tot Ion:112 Resp: 411643

Ion Ratio Lower Upper

112 100

64 76.4 60.2 90.2

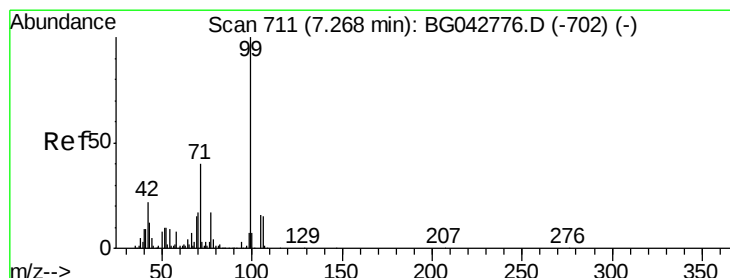
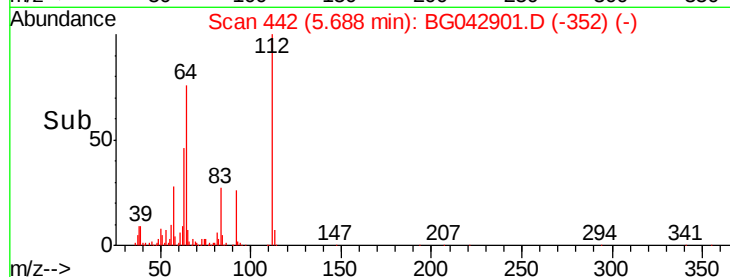
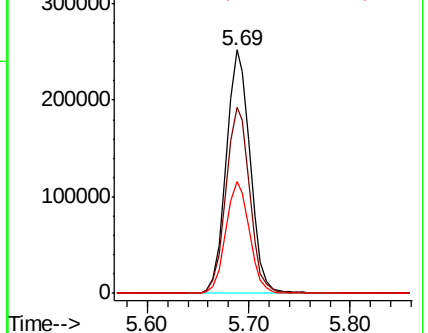
63 45.8 31.2 46.8



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: 127.881 ng

RT: 7.28 min Scan# 713

Delta R.T. 0.01 min

Lab File: BG042901.D

Acq: 18 Sep 2019 19:28

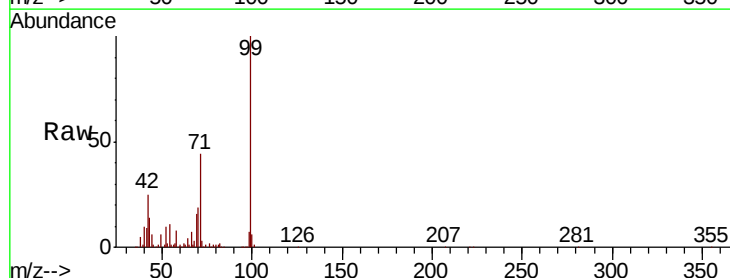
Tgt Ion: 99 Resp: 576423

Ion Ratio Lower Upper

99 100

42 25.2 17.5 26.3

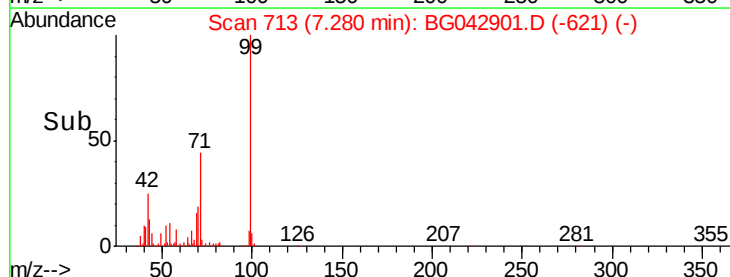
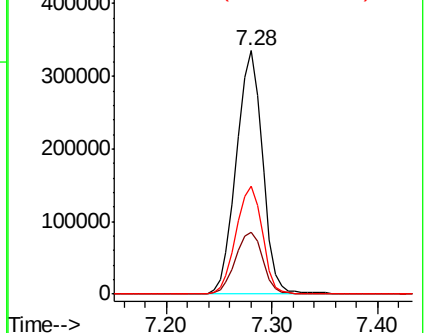
71 44.2 32.0 48.0

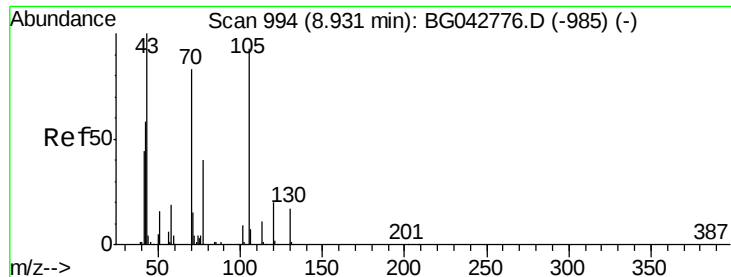


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

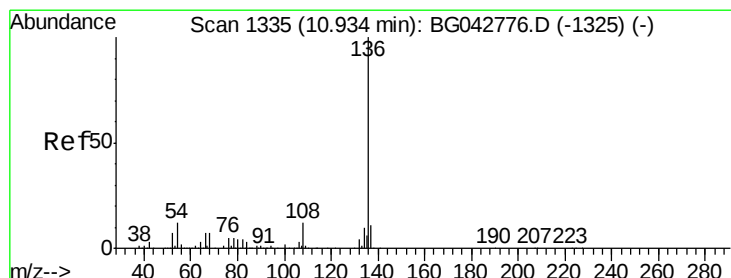
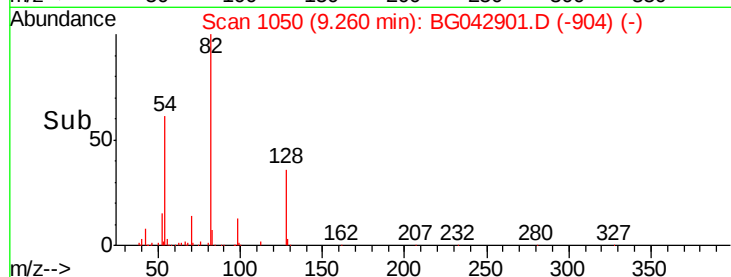
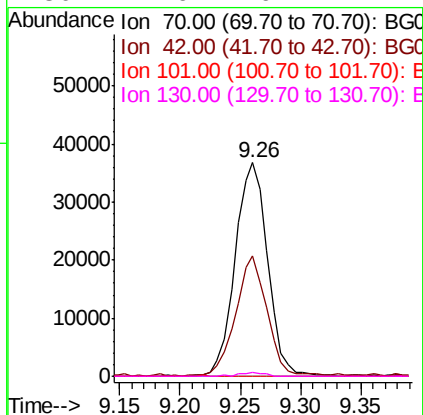
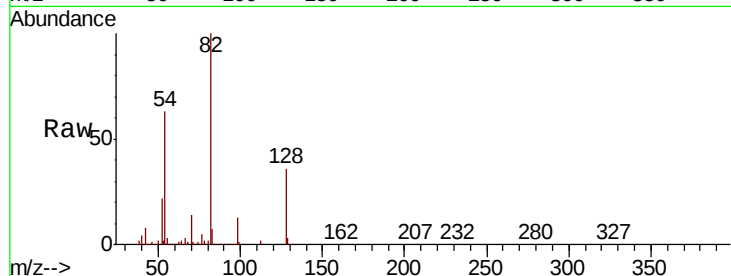




#19
n-Nitroso-di-n-propylamine
Concen: 20.751 ng
RT: 9.26 min Scan# 1050
Delta R.T. 0.33 min
Lab File: BG042901.D
Acq: 18 Sep 2019 19:28

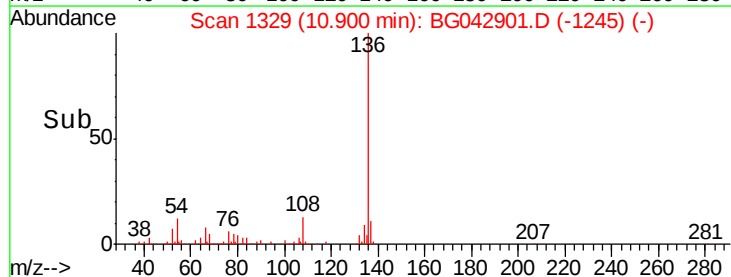
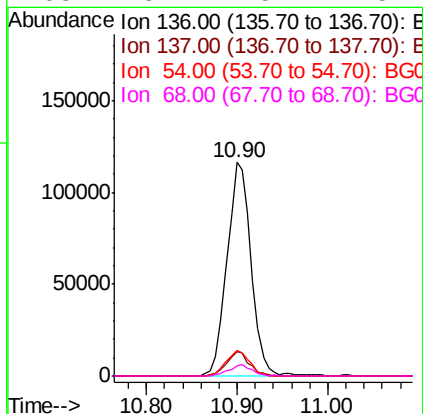
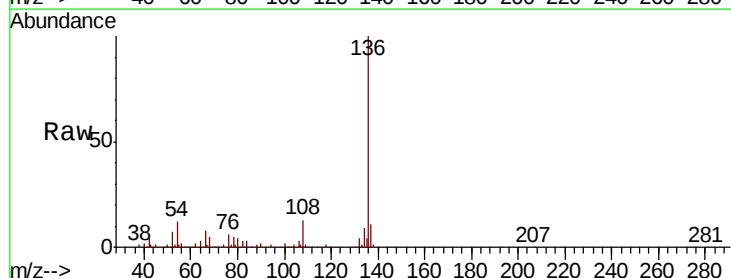
Instrument :
BNA_G
ClientSampled :

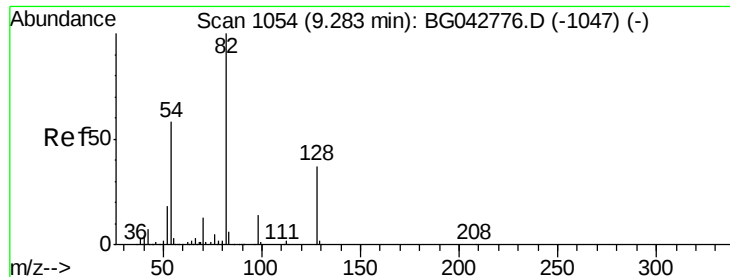
Tot Ion: 70 Resp: 68921
Ion Ratio Lower Upper
70 100
42 56.3 57.0 85.6#
101 0.0 8.4 12.6#
130 1.6 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.03 min
Lab File: BG042901.D
Acq: 18 Sep 2019 19:28

Tgt Ion: 136 Resp: 215434
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 11.7 9.4 14.0
68 5.1 5.4 8.2#

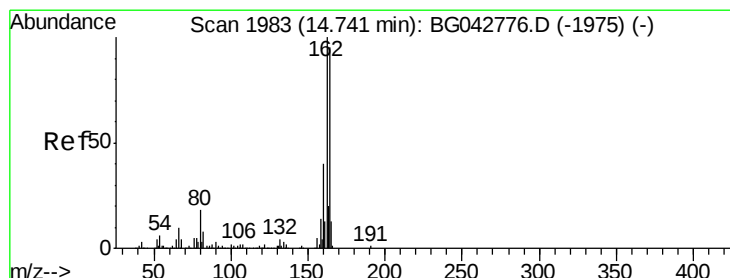
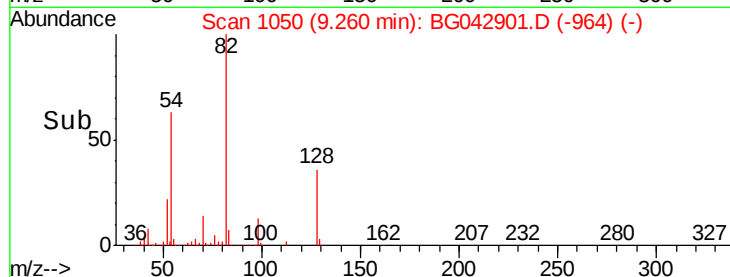
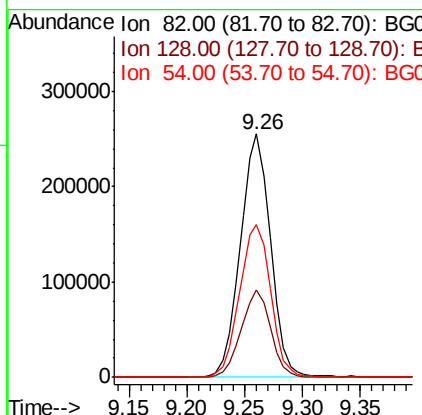
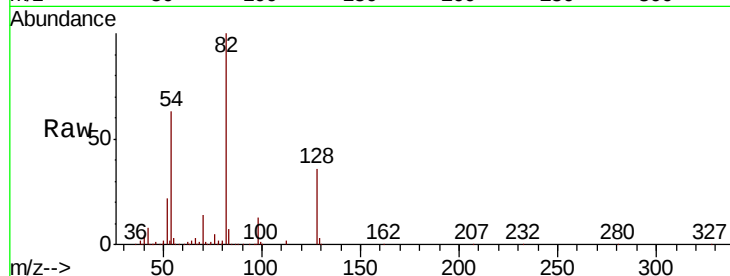




#23
 Nitrobenzene-d5
 Concen: 112.231 ng
 RT: 9.26 min Scan# 1050
 Delta R.T. -0.02 min
 Lab File: BG042901.D
 Acq: 18 Sep 2019 19:28

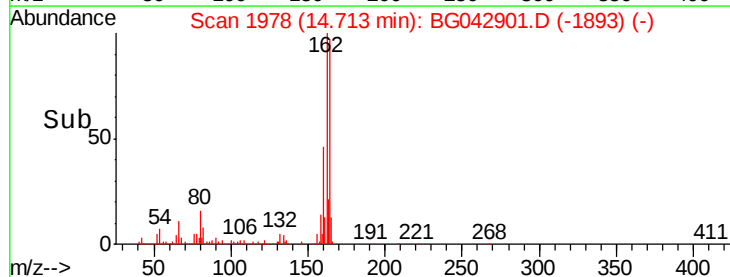
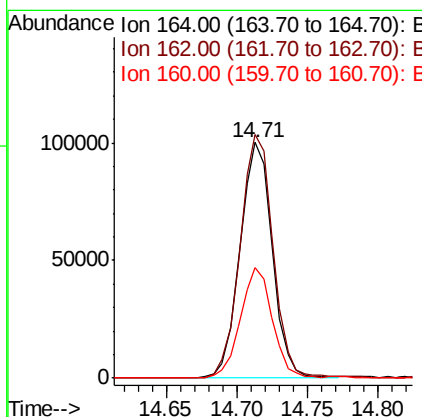
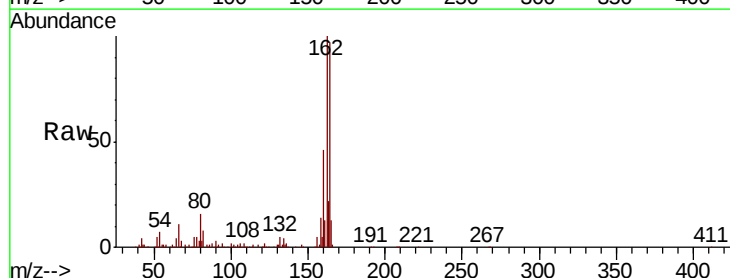
Instrument :
 BNA_G
 ClientSampleId :

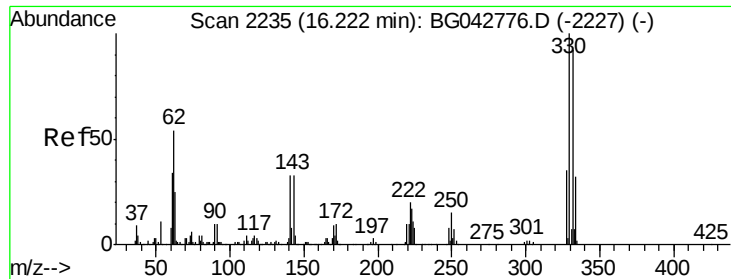
Tot Ion	82	Resp	464411
Ion Ratio	Lower	Upper	
82	100		
128	35.7	29.8	44.8
54	62.7	46.1	69.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. -0.03 min
 Lab File: BG042901.D
 Acq: 18 Sep 2019 19:28

Tgt Ion	164	Resp	160252
Ion Ratio	Lower	Upper	
164	100		
162	103.3	84.6	126.8
160	47.1	34.2	51.2

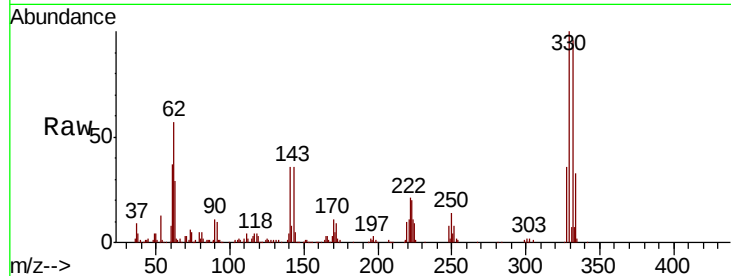




#42
 2,4,6-Tribromophenol
 Concen: 113.193 ng
 RT: 16.20 min Scan# 2231
 Delta R.T. -0.02 min
 Lab File: BG042901.D
 Acq: 18 Sep 2019 19:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.7	115.1
141	35.1	27.0	40.6

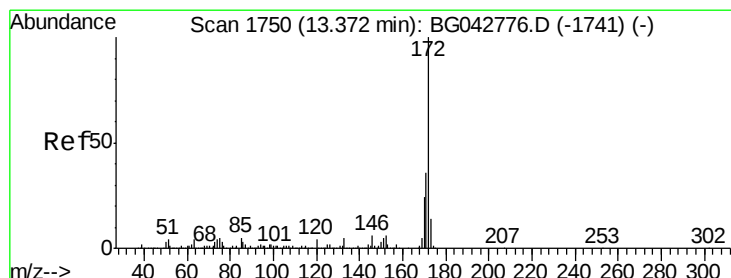
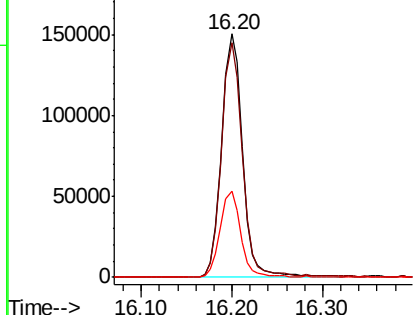
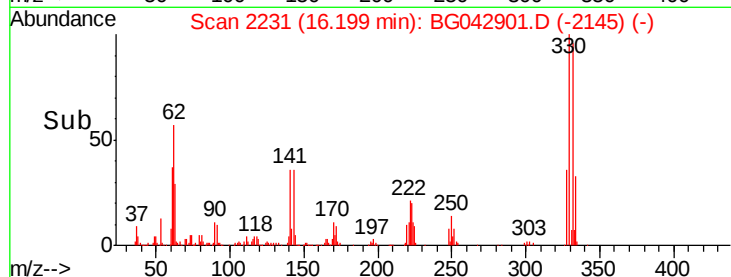


Abundance

Ion 329.80 (329.50 to 330.50): E

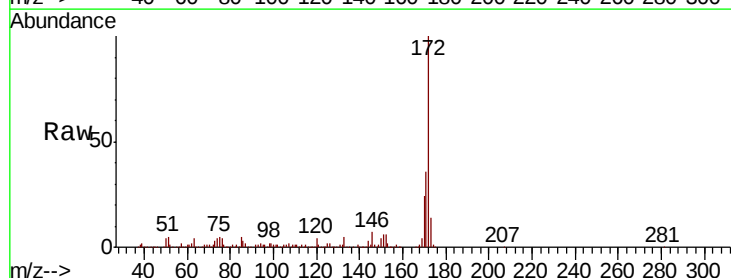
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 107.823 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. -0.03 min
 Lab File: BG042901.D
 Acq: 18 Sep 2019 19:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	24.3	19.1	28.7

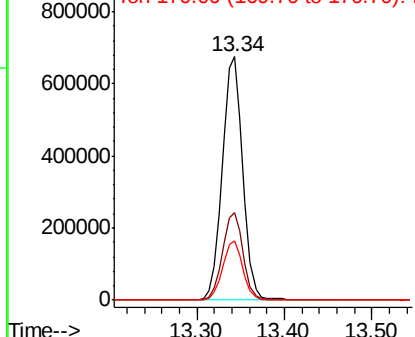
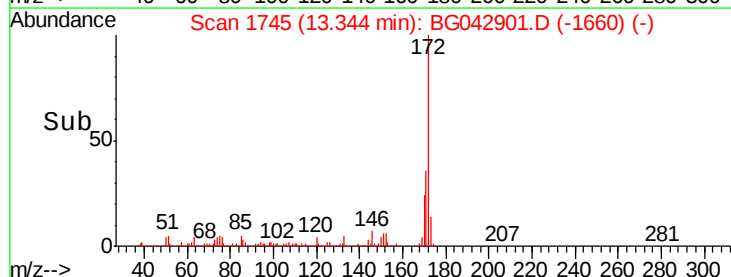


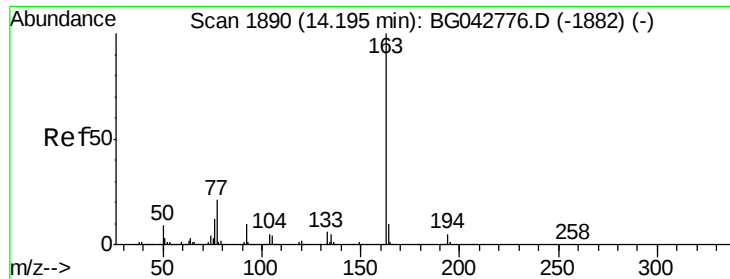
Abundance

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





#50

Dimethylphthalate

Concen: 2.422 ng

RT: 14.17 min Scan# 1885

Delta R.T. -0.03 min

Lab File: BG042901.D

Acq: 18 Sep 2019 19:28

Instrument :

BNA_G

ClientSampleId :

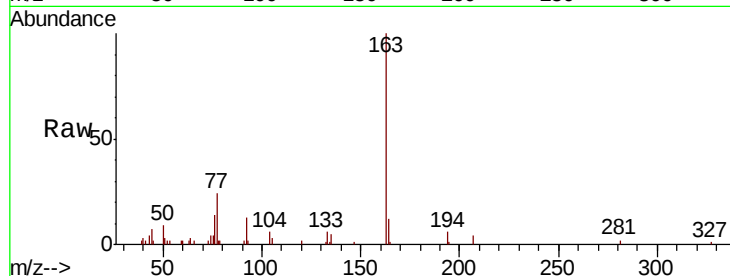
Tot Ion:163 Resp: 29073

Ion Ratio Lower Upper

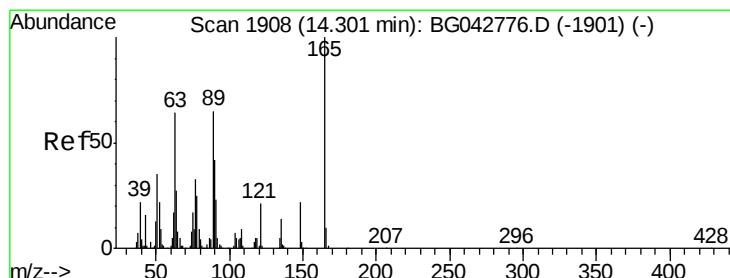
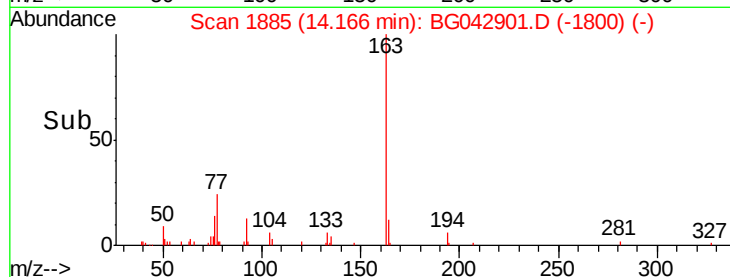
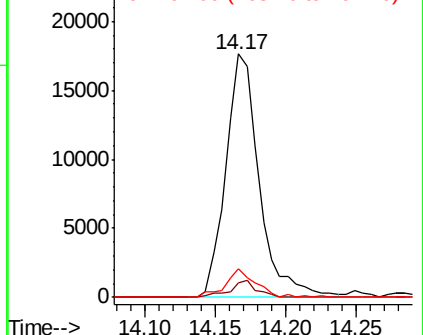
163 100

194 5.8 4.2 6.4

164 11.5 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.843 ng

RT: 14.71 min Scan# 1978

Delta R.T. 0.41 min

Lab File: BG042901.D

Acq: 18 Sep 2019 19:28

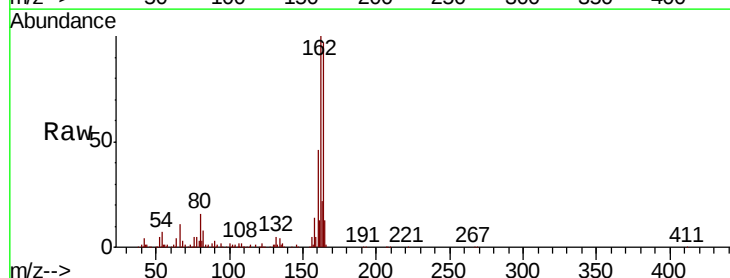
Tgt Ion:165 Resp: 21783

Ion Ratio Lower Upper

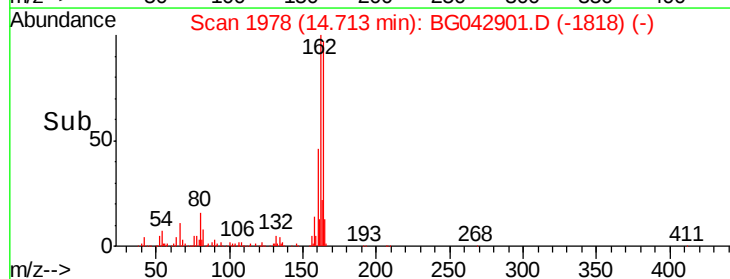
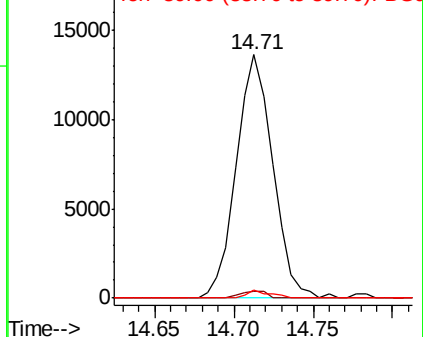
165 100

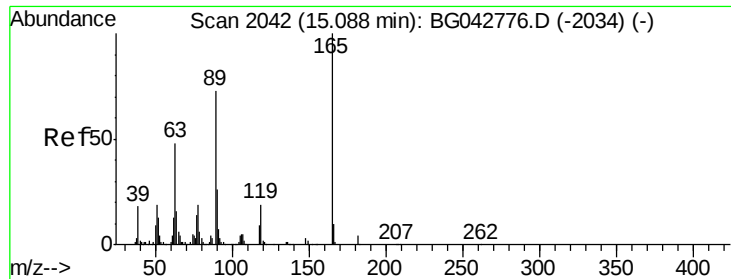
63 2.7 52.1 78.1#

89 3.1 51.7 77.5#



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





#57

2,4-Dinitrotoluene

Concen: 6.634 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.38 min

Lab File: BG042901.D

Acq: 18 Sep 2019 19:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 21783

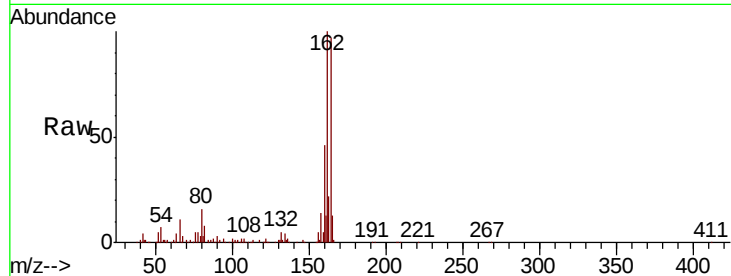
Ion Ratio Lower Upper

165 100

63 2.7 38.3 57.5#

89 3.1 58.4 87.6#

182 0.0 2.9 4.3#

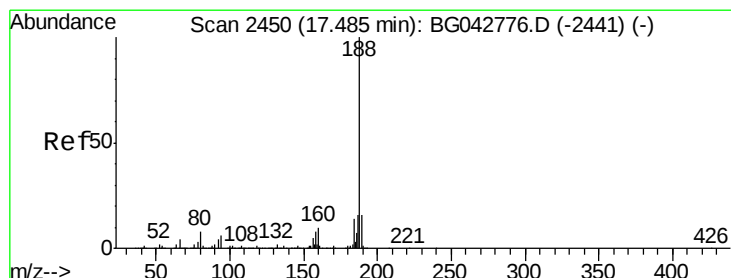
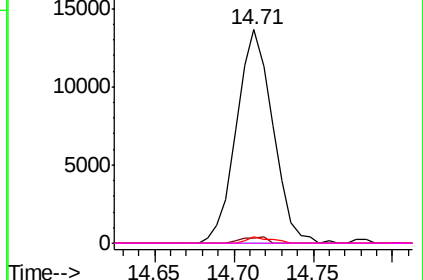
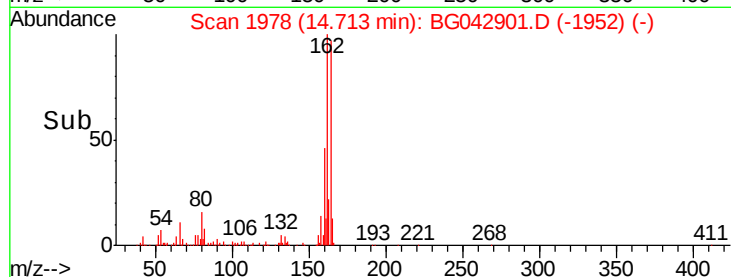


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.46 min Scan# 2445

Delta R.T. -0.03 min

Lab File: BG042901.D

Acq: 18 Sep 2019 19:28

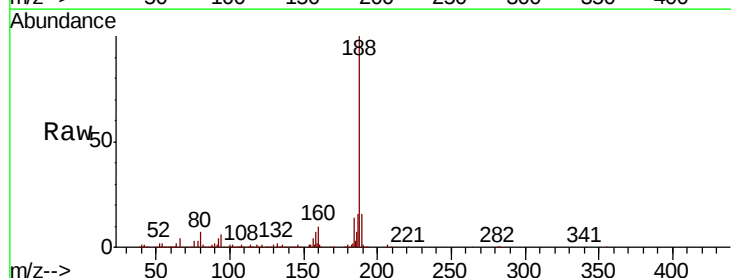
Tgt Ion:188 Resp: 379130

Ion Ratio Lower Upper

188 100

94 5.7 4.8 7.2

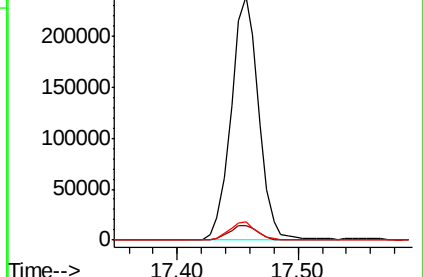
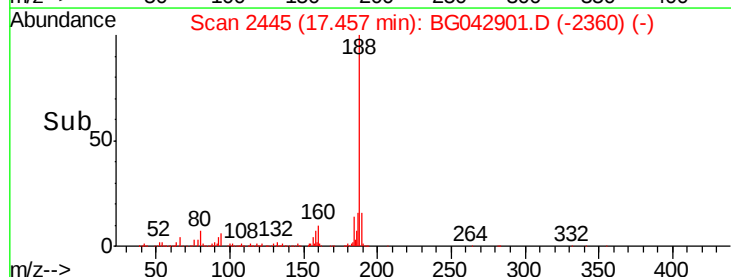
80 7.4 6.6 9.8

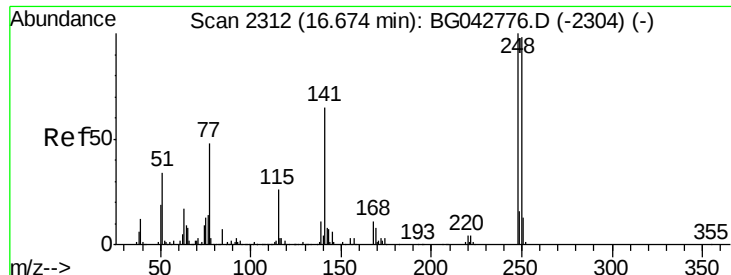


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

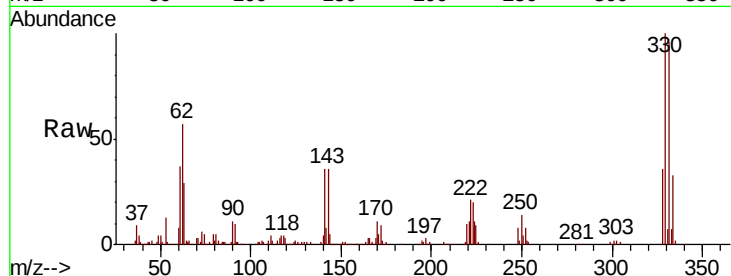




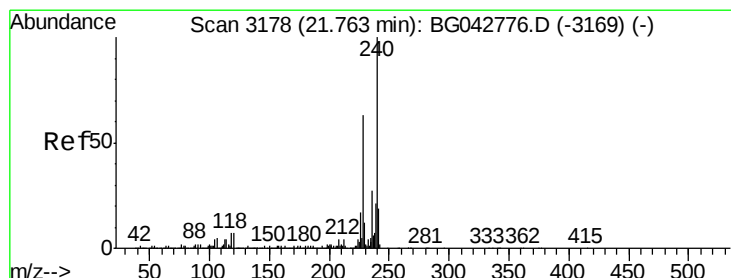
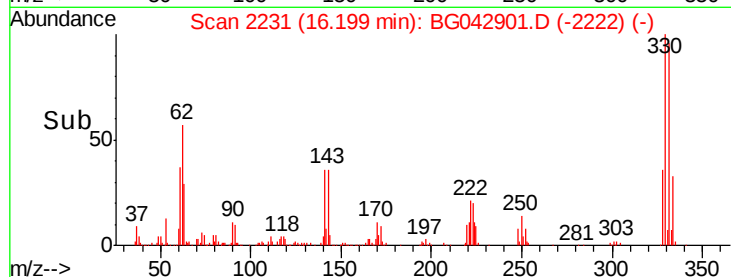
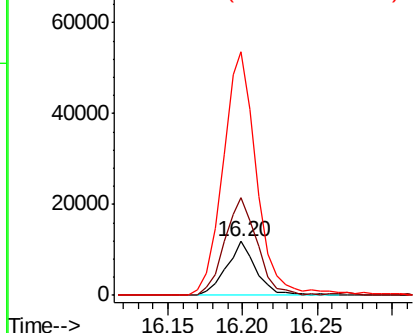
#67
 4-Bromophenyl-phenylether
 Concen: 3.633 ng
 RT: 16.20 min Scan# 2231
 Delta R.T. -0.48 min
 Lab File: BG042901.D
 Acq: 18 Sep 2019 19:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16671
 Ion Ratio Lower Upper
 248 100
 250 181.7 78.0 117.0#
 141 450.7 51.8 77.6#

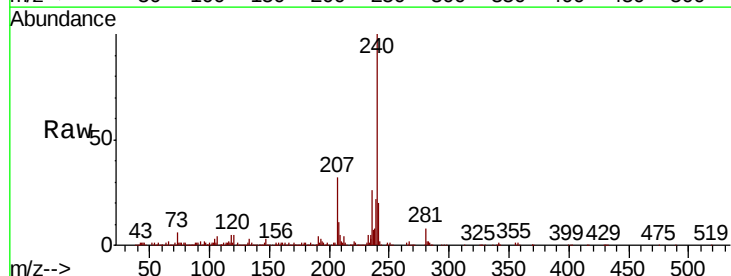


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

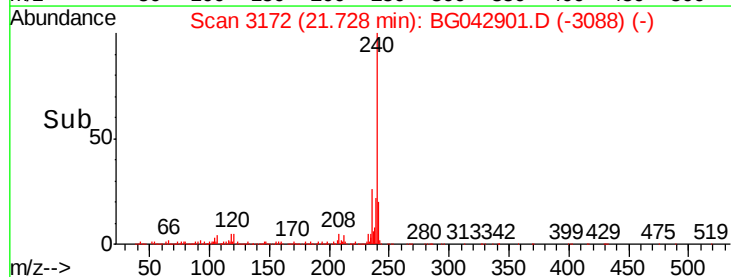
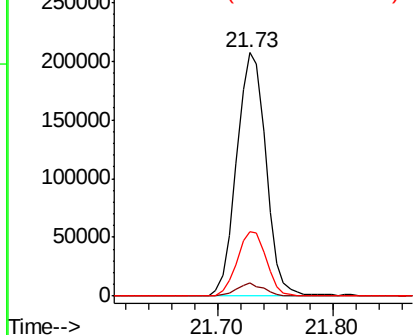


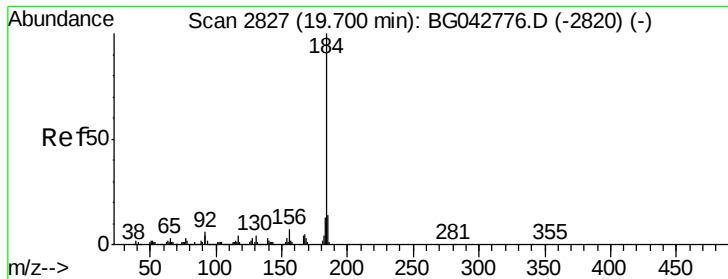
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3172
 Delta R.T. -0.03 min
 Lab File: BG042901.D
 Acq: 18 Sep 2019 19:28

Tgt Ion:240 Resp: 364507
 Ion Ratio Lower Upper
 240 100
 120 5.3 5.4 8.2#
 236 26.5 21.7 32.5



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: 3.483 ng

RT: 20.07 min Scan# 2889

Delta R.T. 0.36 min

Lab File: BG042901.D

Acq: 18 Sep 2019 19:28

Instrument :

BNA_G

ClientSampleId :

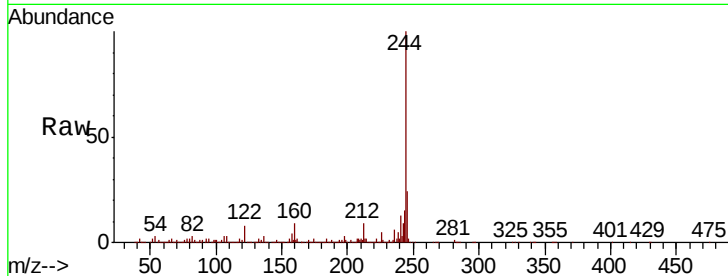
Tot Ion:184 Resp: 35468

Ion Ratio Lower Upper

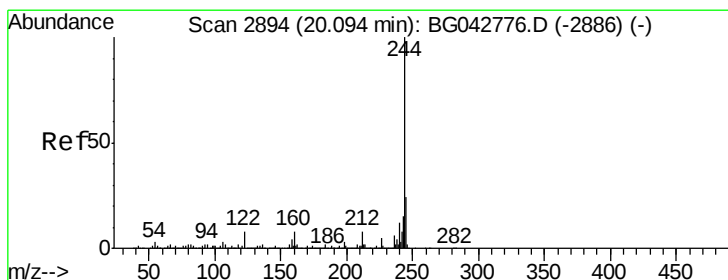
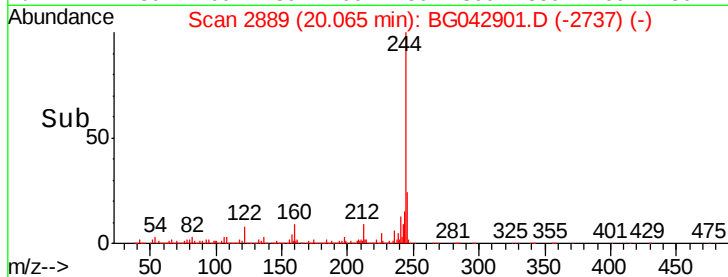
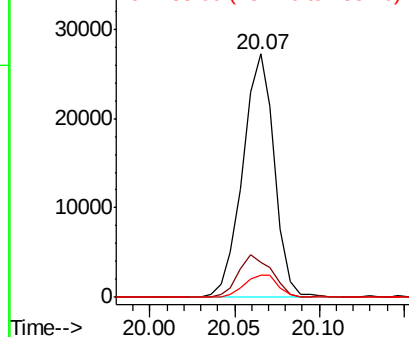
184 100

185 14.6 11.6 17.4

183 9.2 10.4 15.6#



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: 112.906 ng

RT: 20.07 min Scan# 2889

Delta R.T. -0.03 min

Lab File: BG042901.D

Acq: 18 Sep 2019 19:28

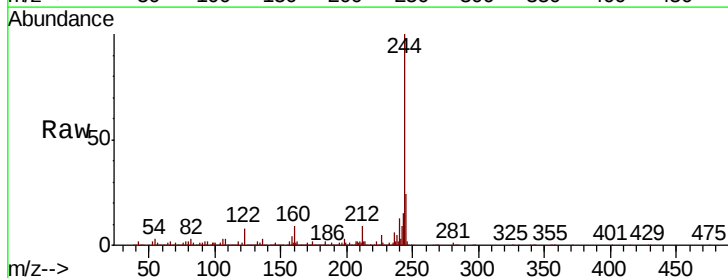
Tgt Ion:244 Resp: 1856941

Ion Ratio Lower Upper

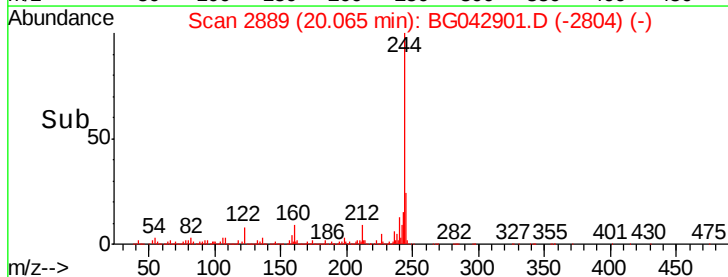
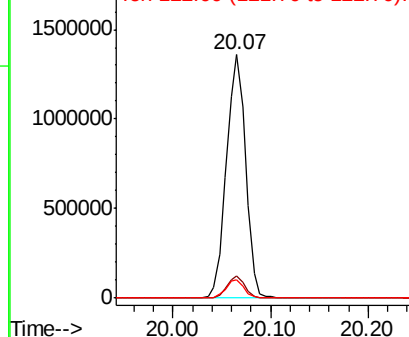
244 100

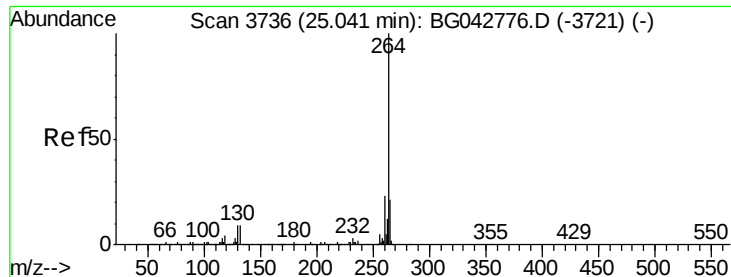
212 9.3 6.6 10.0

122 7.6 6.2 9.4



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

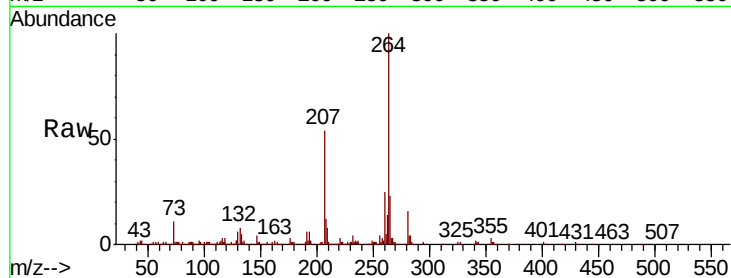




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.98 min Scan# 3726
 Delta R.T. -0.06 min
 Lab File: BG042901.D
 Acq: 18 Sep 2019 19:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.2	27.2
265	22.9	16.9	25.3



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

