

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG093019\
 Data File : BG042942.D
 Acq On : 30 Sep 2019 14:28
 Operator : JU
 Sample : K5083-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 01 07:09:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

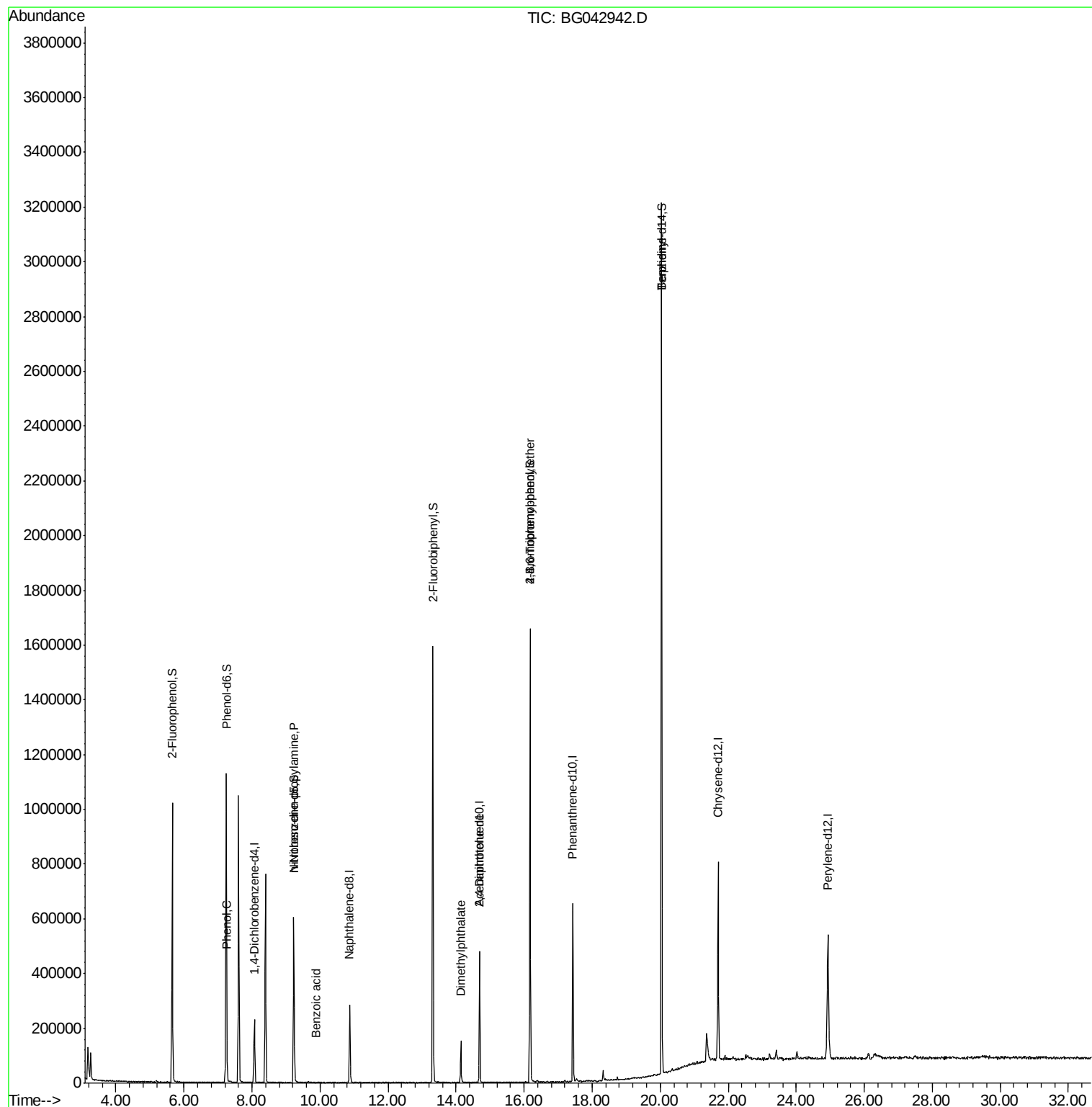
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	63079	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	238013	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	169119	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	413796	20.00	ng	0.00
76) Chrysene-d12	21.70	240	456423	20.00	ng	-0.01
87) Perylene-d12	24.93	264	522960	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	408872	115.68	ng	0.00
7) Phenol-d6	7.24	99	605697	119.00	ng	0.00
23) Nitrobenzene-d5	9.23	82	376324	76.85	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	337533	116.07	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	843397	72.30	ng	0.00
79) Terphenyl-d14	20.05	244	1582570	73.88	ng	0.00
Target Compounds						
10) Phenol	7.27	94	17054	3.652	ng	83
19) n-Nitroso-di-n-propylamine	9.23	70	53682	16.062	ng	# 75
32) Benzoic acid	9.87	122	61	2.826	ng	# 1
50) Dimethylphthalate	14.14	163	98940	7.808	ng	99
57) 2,4-Dinitrotoluene	14.69	165	21680	5.486	ng	# 26
67) 4-Bromophenyl-phenylether	16.18	248	22908	4.411	ng	# 1
77) Benzidine	20.04	184	26973	2.360	ng	# 92

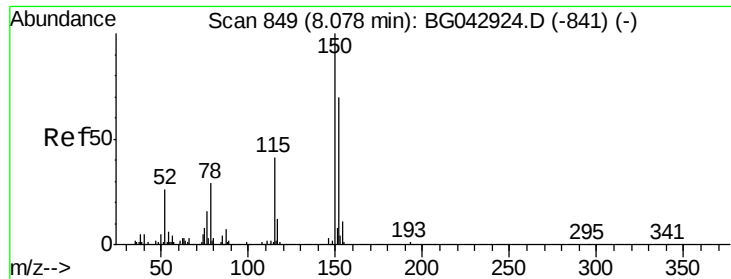
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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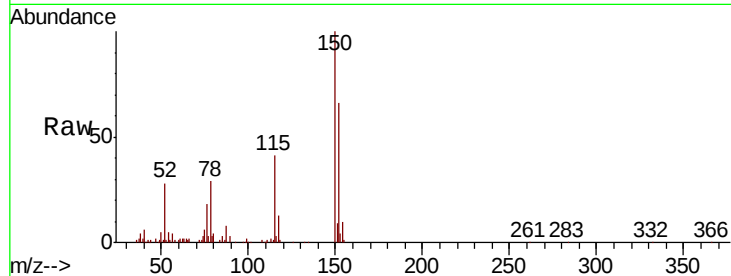


#1

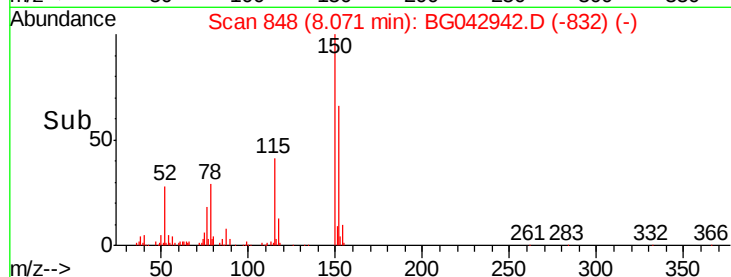
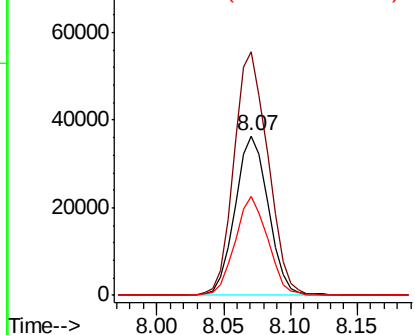
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG042942.D
Acq: 30 Sep 2019 14:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	115.0	172.4
115	62.4	47.0	70.6



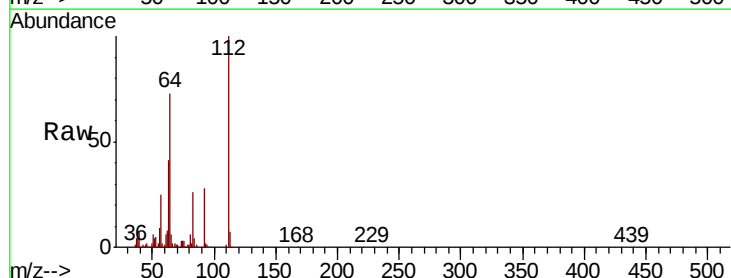
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



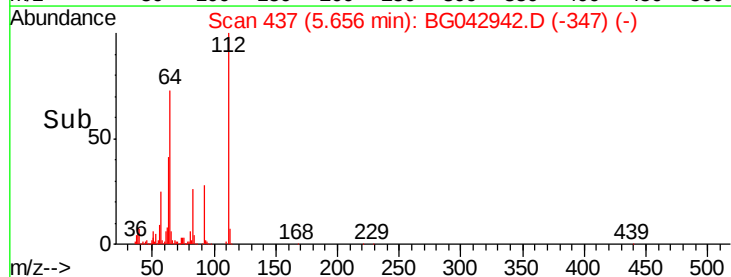
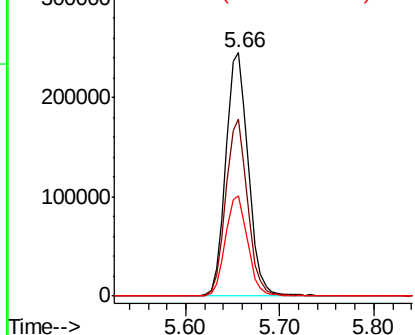
#5

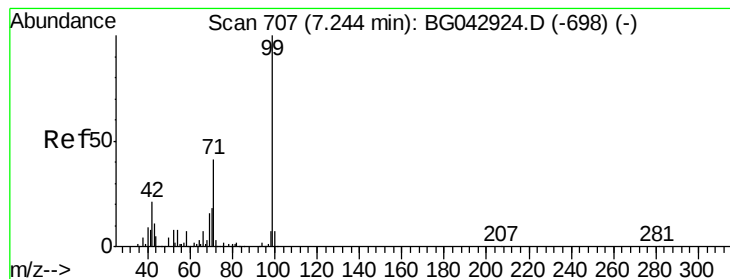
2-Fluorophenol
Concen: 115.677 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG042942.D
Acq: 30 Sep 2019 14:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.7	56.6	84.8
63	41.1	35.1	52.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 118.997 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG042942.D

Acq: 30 Sep 2019 14:28

Instrument :

BNA_G

ClientSampled :

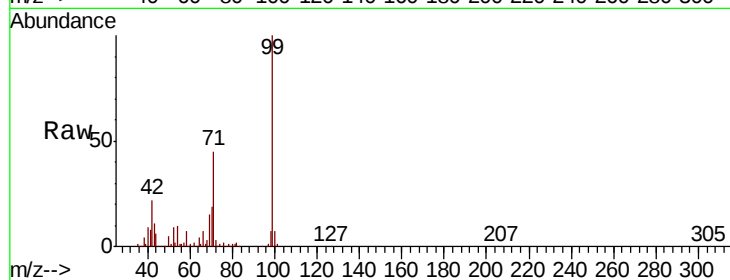
Tot Ion: 99 Resp: 605697

Ion Ratio Lower Upper

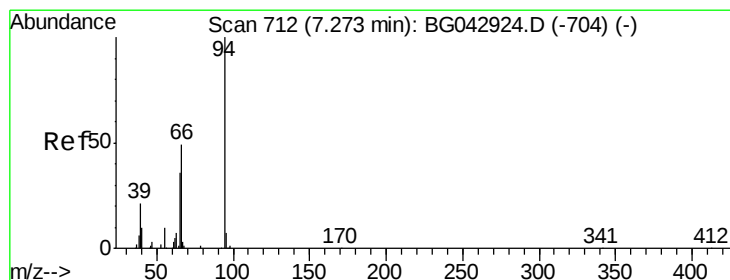
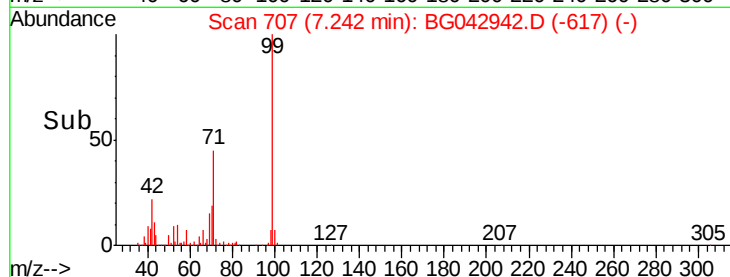
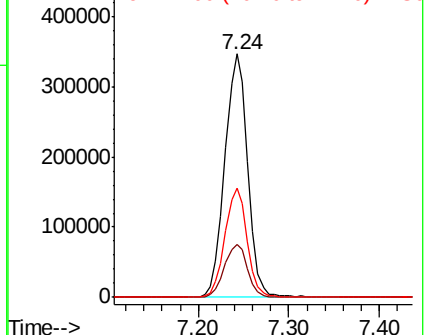
99 100

42 21.9 17.2 25.8

71 45.1 33.1 49.7



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



#10

Phenol

Concen: 3.652 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG042942.D

Acq: 30 Sep 2019 14:28

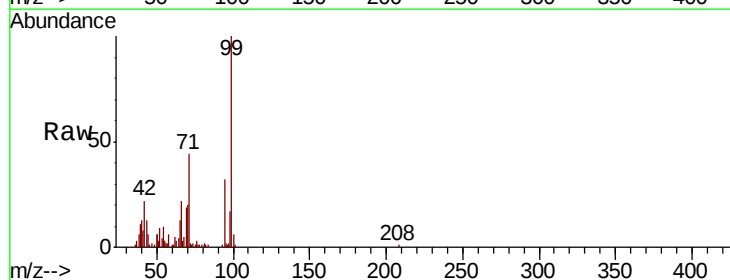
Tgt Ion: 94 Resp: 17054

Ion Ratio Lower Upper

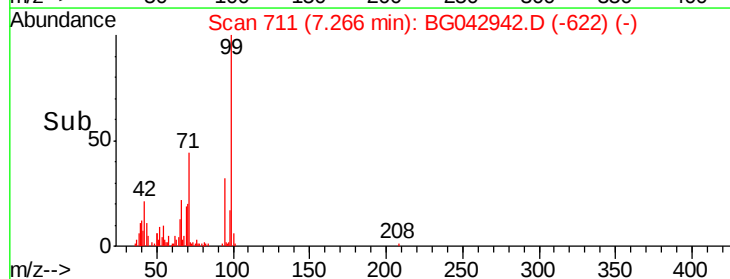
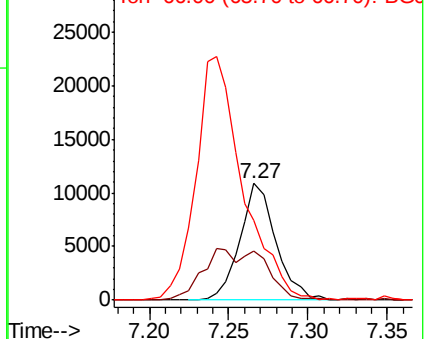
94 100

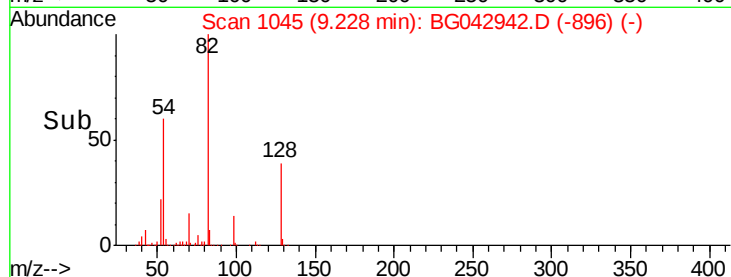
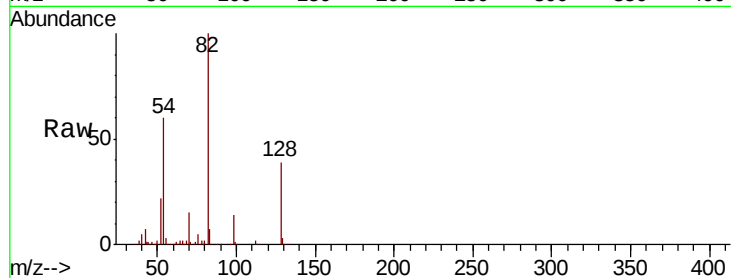
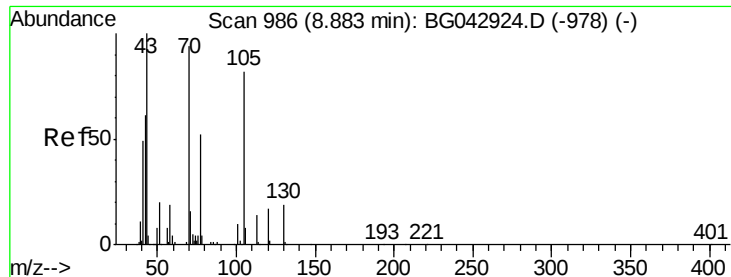
65 41.8 16.6 56.6

66 68.1 32.4 72.4



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

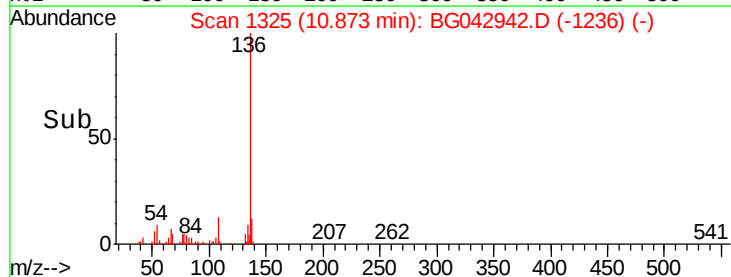
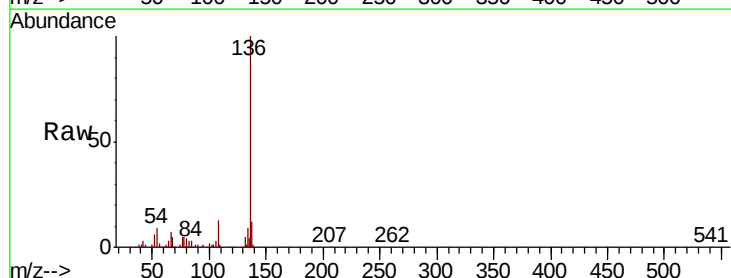
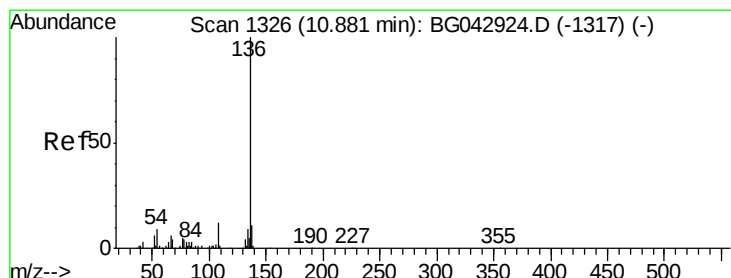
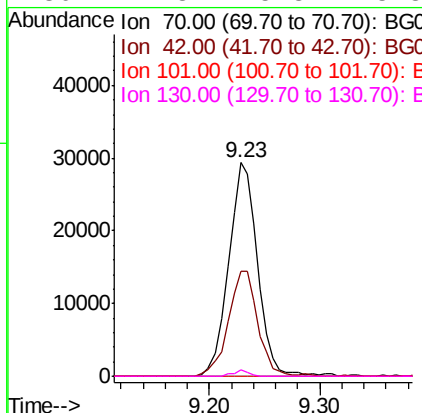




#19
n-Nitroso-di-n-propylamine
Concen: 16.062 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.35 min
Lab File: BG042942.D
Acq: 30 Sep 2019 14:28

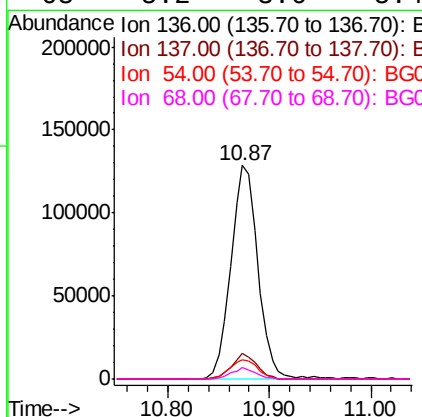
Instrument :
BNA_G
ClientSampleId :

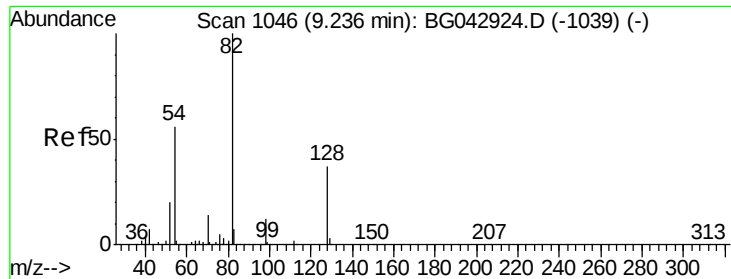
Tot Ion: 70 Resp: 53682
Ion Ratio Lower Upper
70 100
42 49.1 52.6 79.0#
101 0.0 8.7 13.1#
130 2.8 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042942.D
Acq: 30 Sep 2019 14:28

Tgt Ion: 136 Resp: 238013
Ion Ratio Lower Upper
136 100
137 11.8 8.5 12.7
54 9.2 7.4 11.2
68 5.2 3.6 5.4

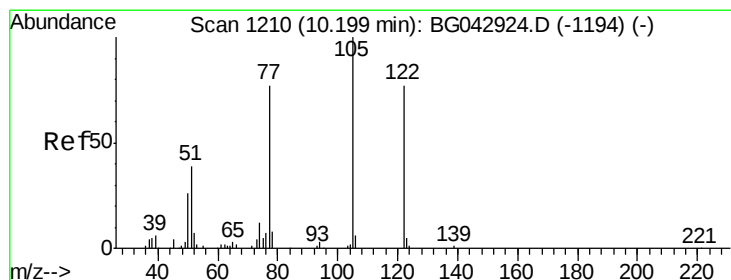
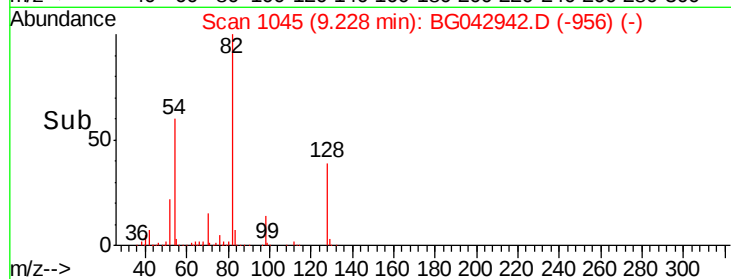
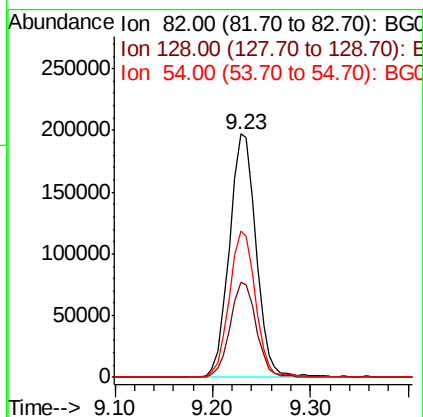
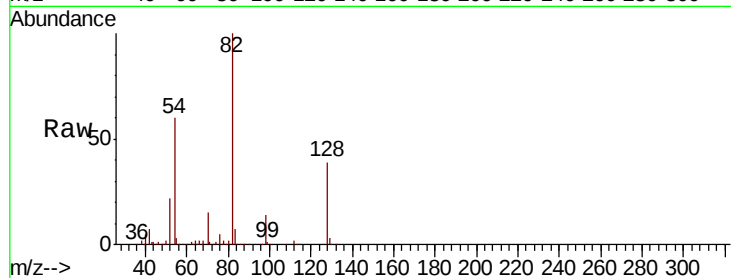




#23
Nitrobenzene-d5
Concen: 76.850 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG042942.D
Acq: 30 Sep 2019 14:28

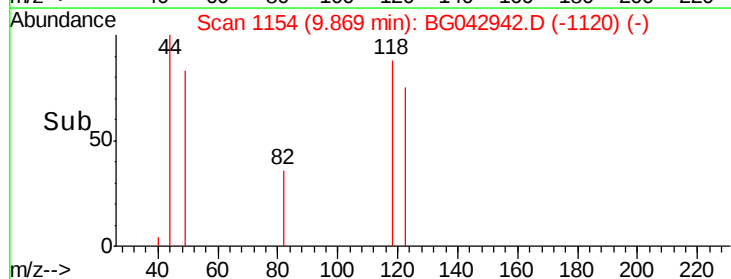
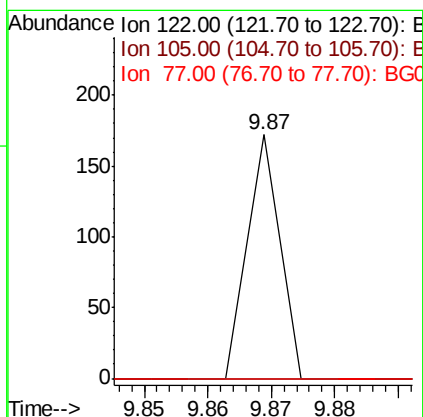
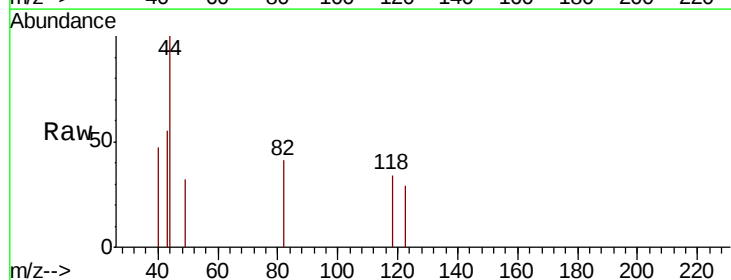
Instrument :
BNA_G
ClientSampleId :

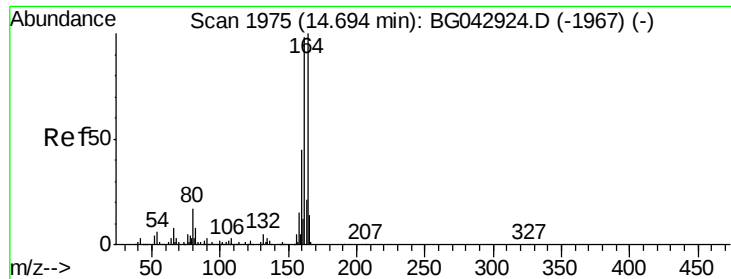
Tot Ion	82	Resp	376324
Ion Ratio	Lower	Upper	
82	100		
128	38.8	29.5	44.3
54	59.9	44.6	67.0



#32
Benzoic acid
Concen: 2.826 ng
RT: 9.87 min Scan# 1154
Delta R.T. -0.33 min
Lab File: BG042942.D
Acq: 30 Sep 2019 14:28

Tgt Ion	122	Resp	61
Ion Ratio	Lower	Upper	
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG042942.D

Acq: 30 Sep 2019 14:28

Instrument :

BNA_G

ClientSampleId :

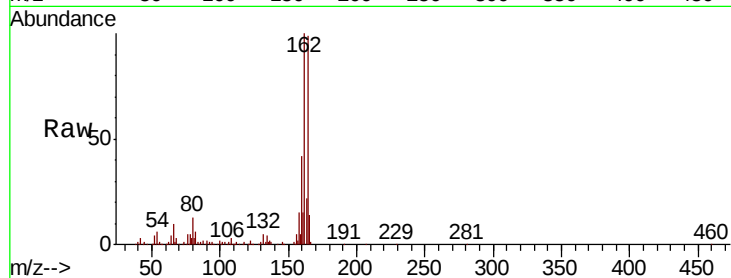
Tot Ion:164 Resp: 169119

Ion Ratio Lower Upper

164 100

162 100.6 78.5 117.7

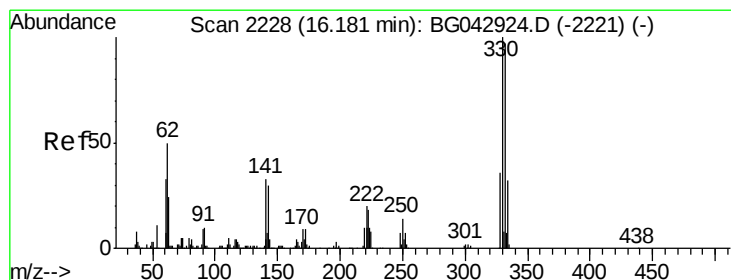
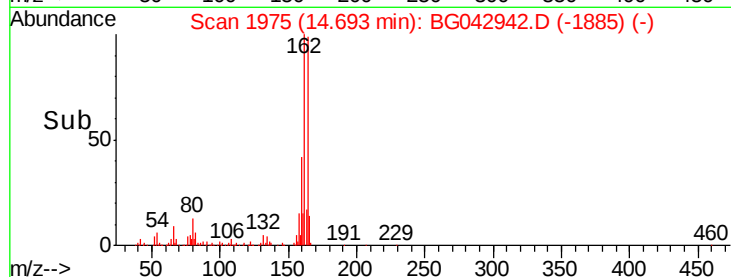
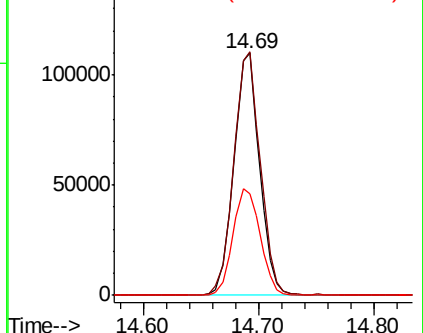
160 41.8 35.9 53.9



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: 116.066 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BG042942.D

Acq: 30 Sep 2019 14:28

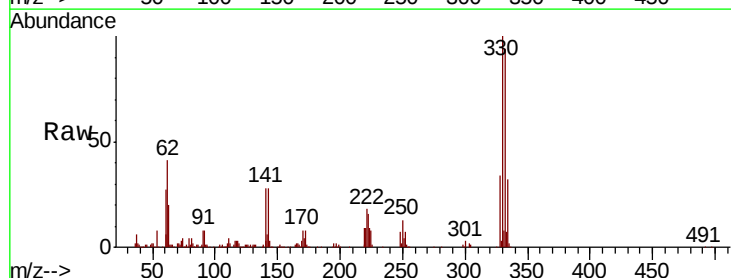
Tgt Ion:330 Resp: 337533

Ion Ratio Lower Upper

330 100

332 95.2 78.2 117.2

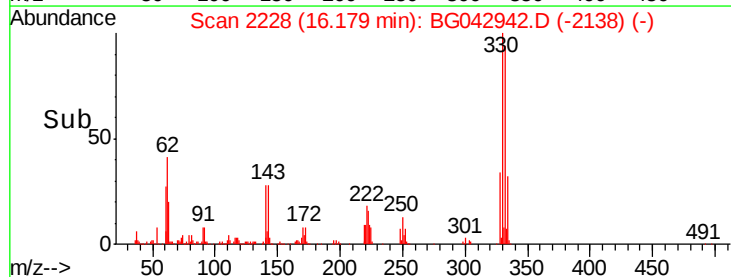
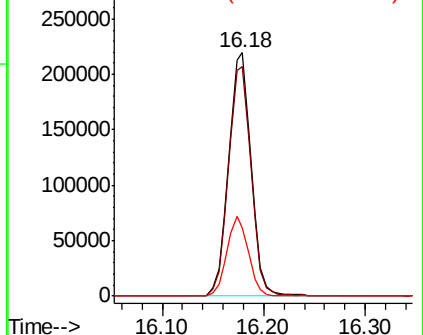
141 31.7 26.0 39.0

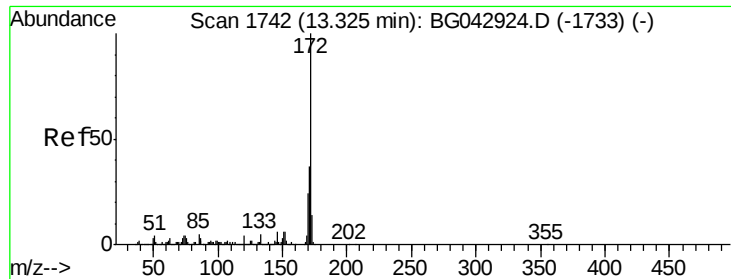


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

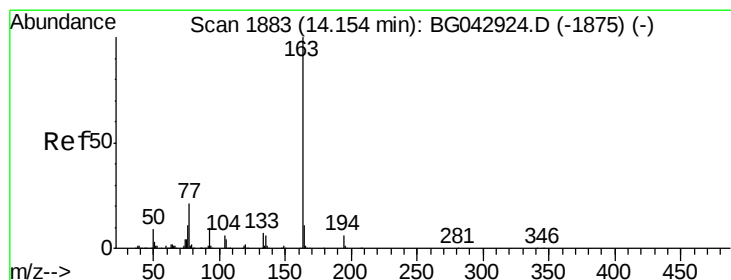
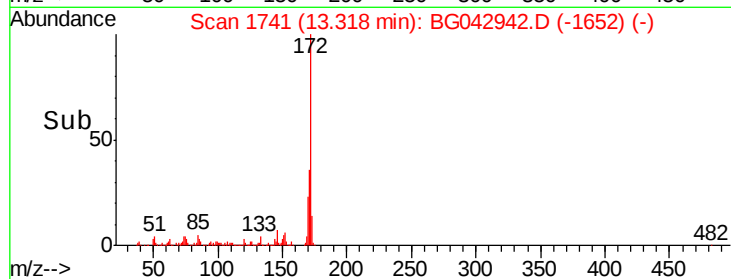
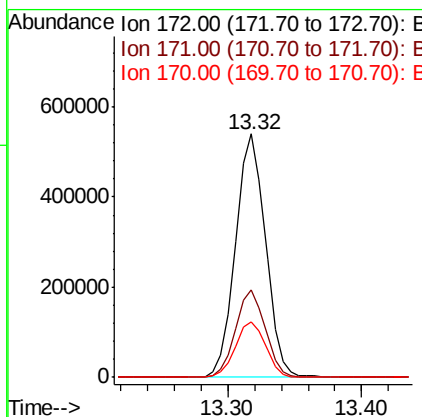
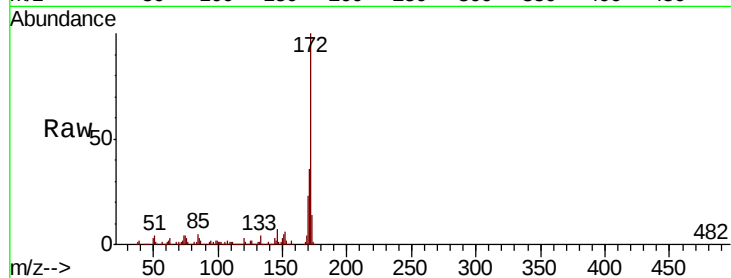




#45
2-Fluorobiphenyl
Concen: 72.296 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.01 min
Lab File: BG042942.D
Acq: 30 Sep 2019 14:28

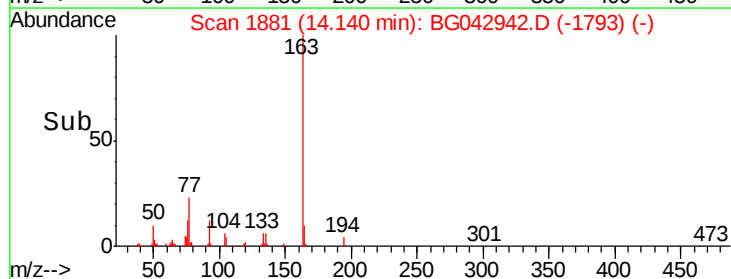
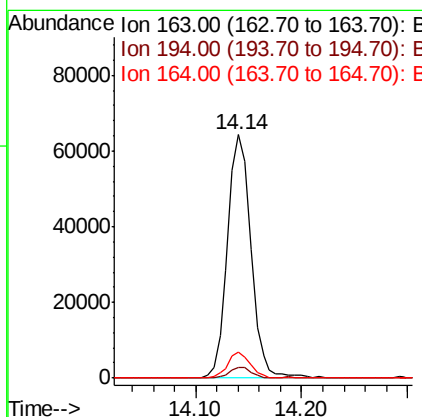
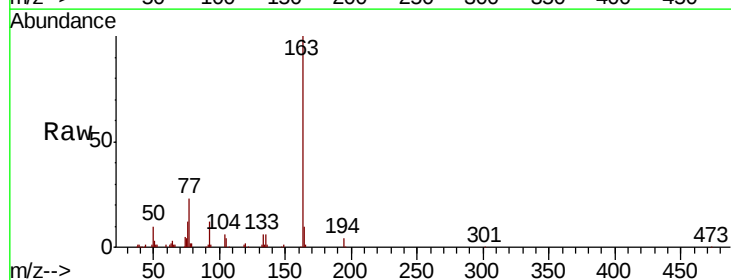
Instrument :
BNA_G
ClientSampleId :

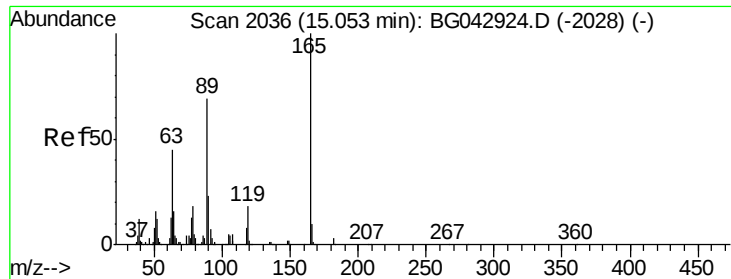
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	22.8	19.6	29.4



#50
Dimethylphthalate
Concen: 7.808 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG042942.D
Acq: 30 Sep 2019 14:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	4.4	6.6
164	10.5	8.6	12.8





#57

2,4-Dinitrotoluene

Concen: 5.486 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.36 min

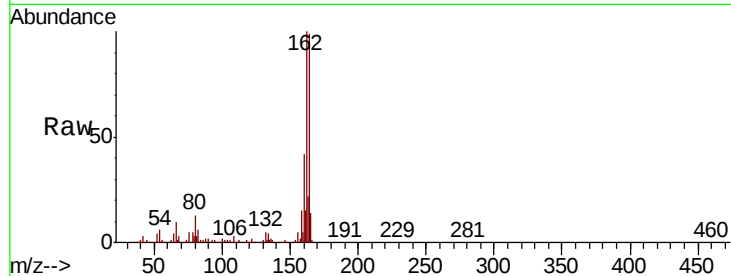
Lab File: BG042942.D

Acq: 30 Sep 2019 14:28

Instrument :

BNA_G

ClientSampleId :



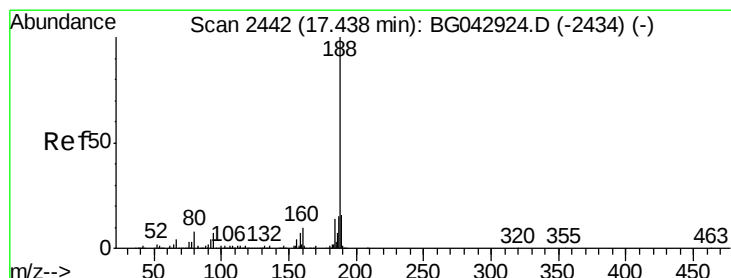
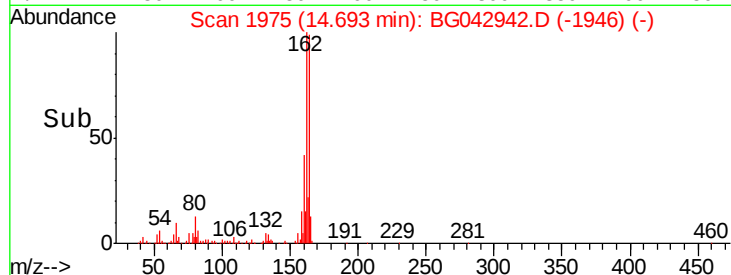
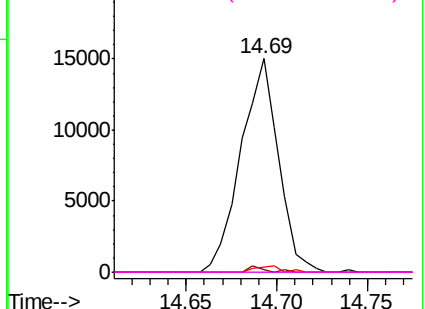
Tot Ion:	165	Resp:	21680
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.5	54.7#
89	2.6	55.5	83.3#
182	0.0	2.4	3.6#

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: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG042942.D

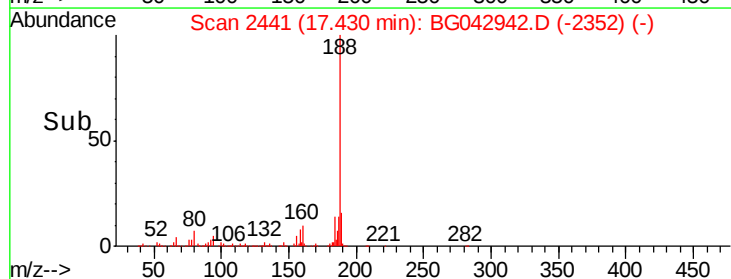
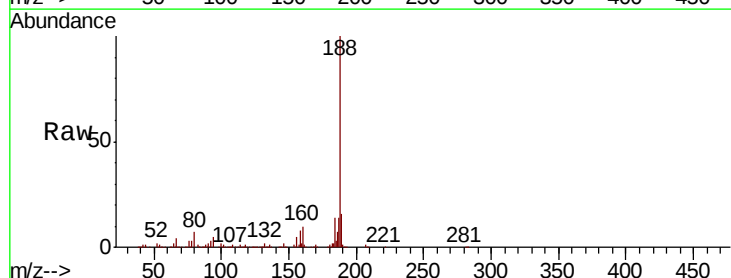
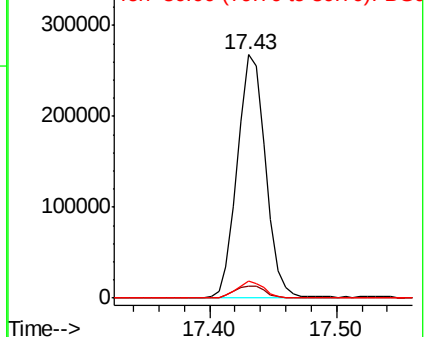
Acq: 30 Sep 2019 14:28

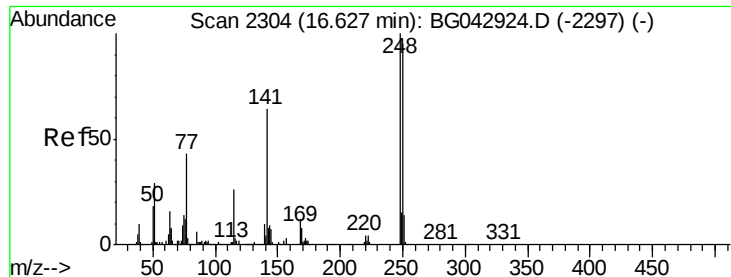
Tgt Ion:	188	Resp:	413796
Ion	Ratio	Lower	Upper
188	100		
94	5.0	5.7	8.5#
80	7.1	6.5	9.7

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

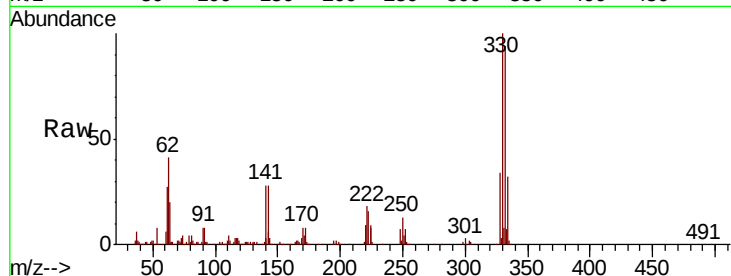




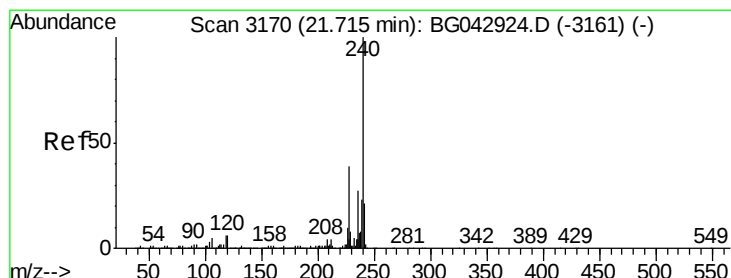
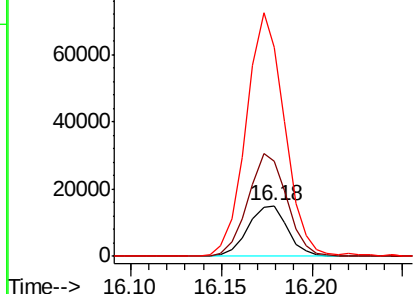
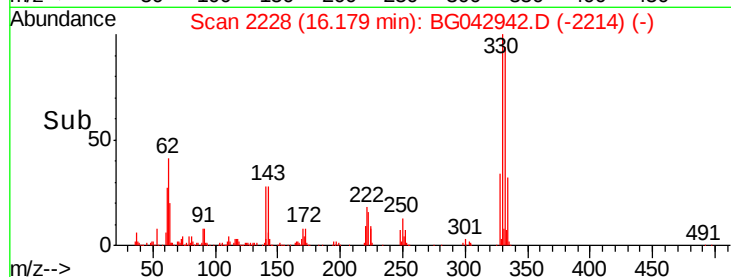
#67
 4-Bromophenyl-phenylether
 Concen: 4.411 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.45 min
 Lab File: BG042942.D
 Acq: 30 Sep 2019 14:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 22908
 Ion Ratio Lower Upper
 248 100
 250 186.6 75.8 113.8#
 141 411.5 51.1 76.7#

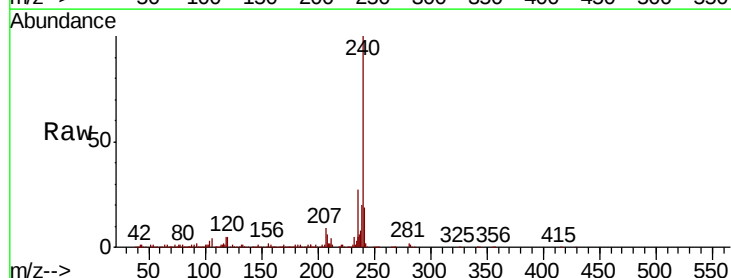


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

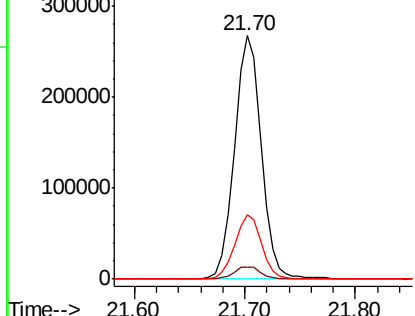
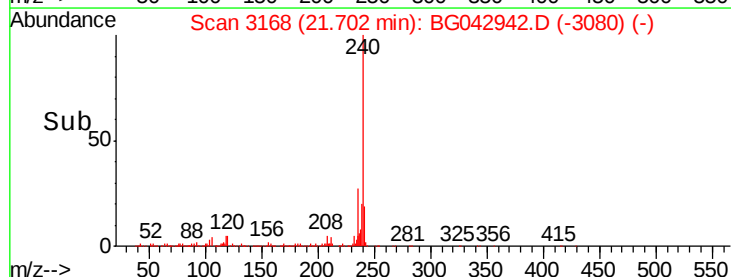


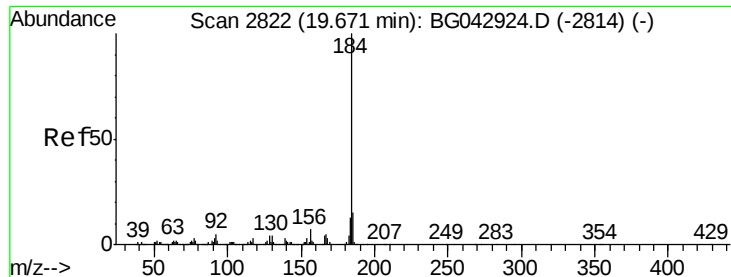
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.01 min
 Lab File: BG042942.D
 Acq: 30 Sep 2019 14:28

Tgt Ion:240 Resp: 456423
 Ion Ratio Lower Upper
 240 100
 120 4.7 4.8 7.2#
 236 26.5 21.4 32.0



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: 2.360 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG042942.D

Acq: 30 Sep 2019 14:28

Instrument :

BNA_G

ClientSampleId :

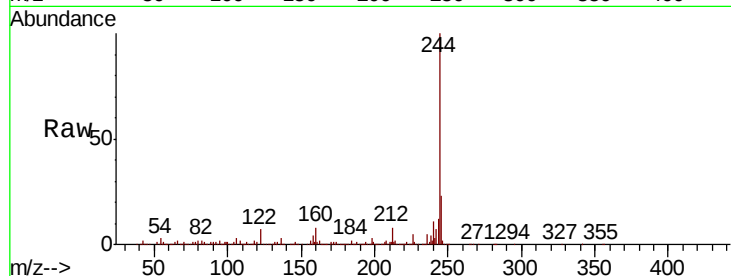
Tot Ion:184 Resp: 26973

Ion Ratio Lower Upper

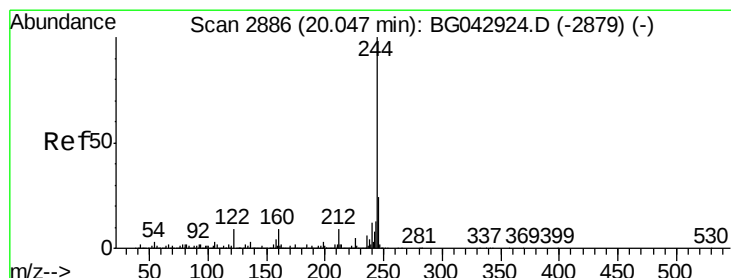
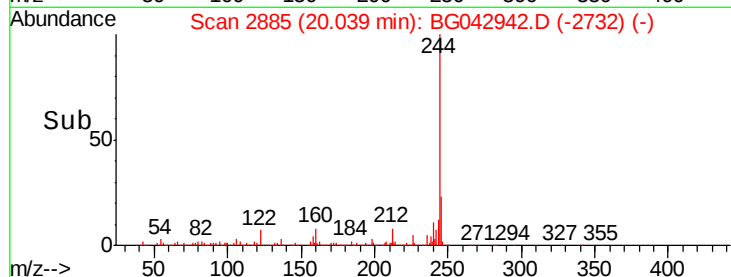
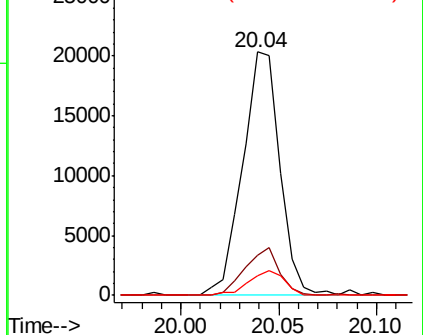
184 100

185 16.6 11.8 17.8

183 8.1 10.1 15.1#



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: 73.885 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG042942.D

Acq: 30 Sep 2019 14:28

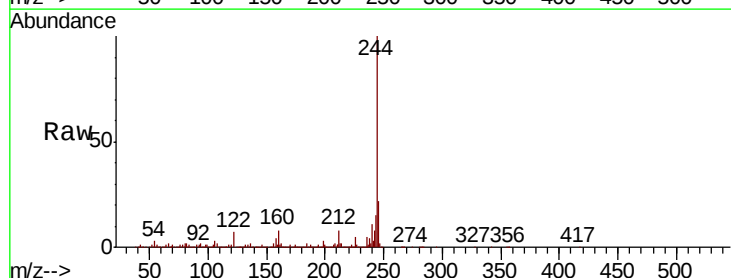
Tgt Ion:244 Resp: 1582570

Ion Ratio Lower Upper

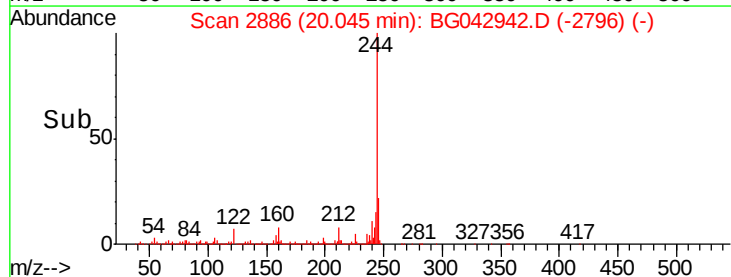
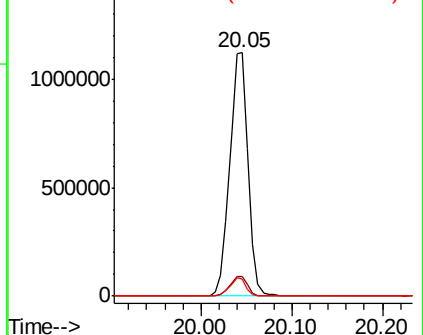
244 100

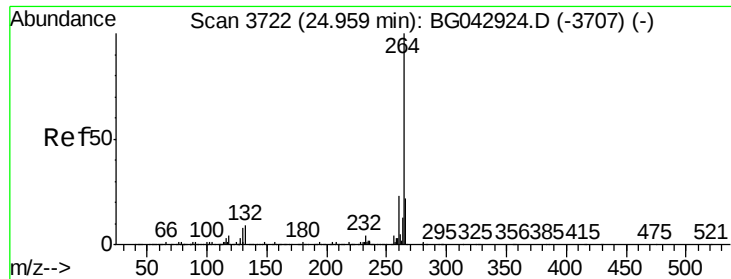
212 7.9 7.4 11.0

122 7.0 7.0 10.4



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

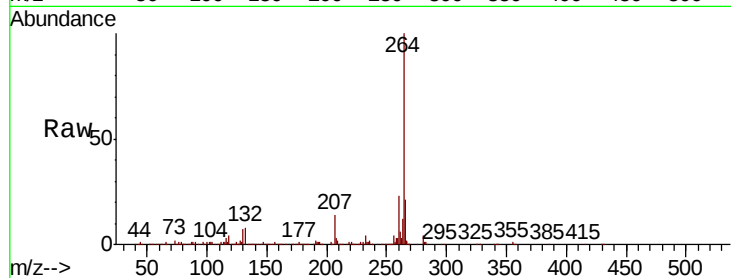




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3718
 Delta R.T. -0.03 min
 Lab File: BG042942.D
 Acq: 30 Sep 2019 14:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	522960
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.3	17.7	26.5



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

