

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG093019\
 Data File : BG042941.D
 Acq On : 30 Sep 2019 13:41
 Operator : JU
 Sample : PB123461BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 01 07:09:27 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

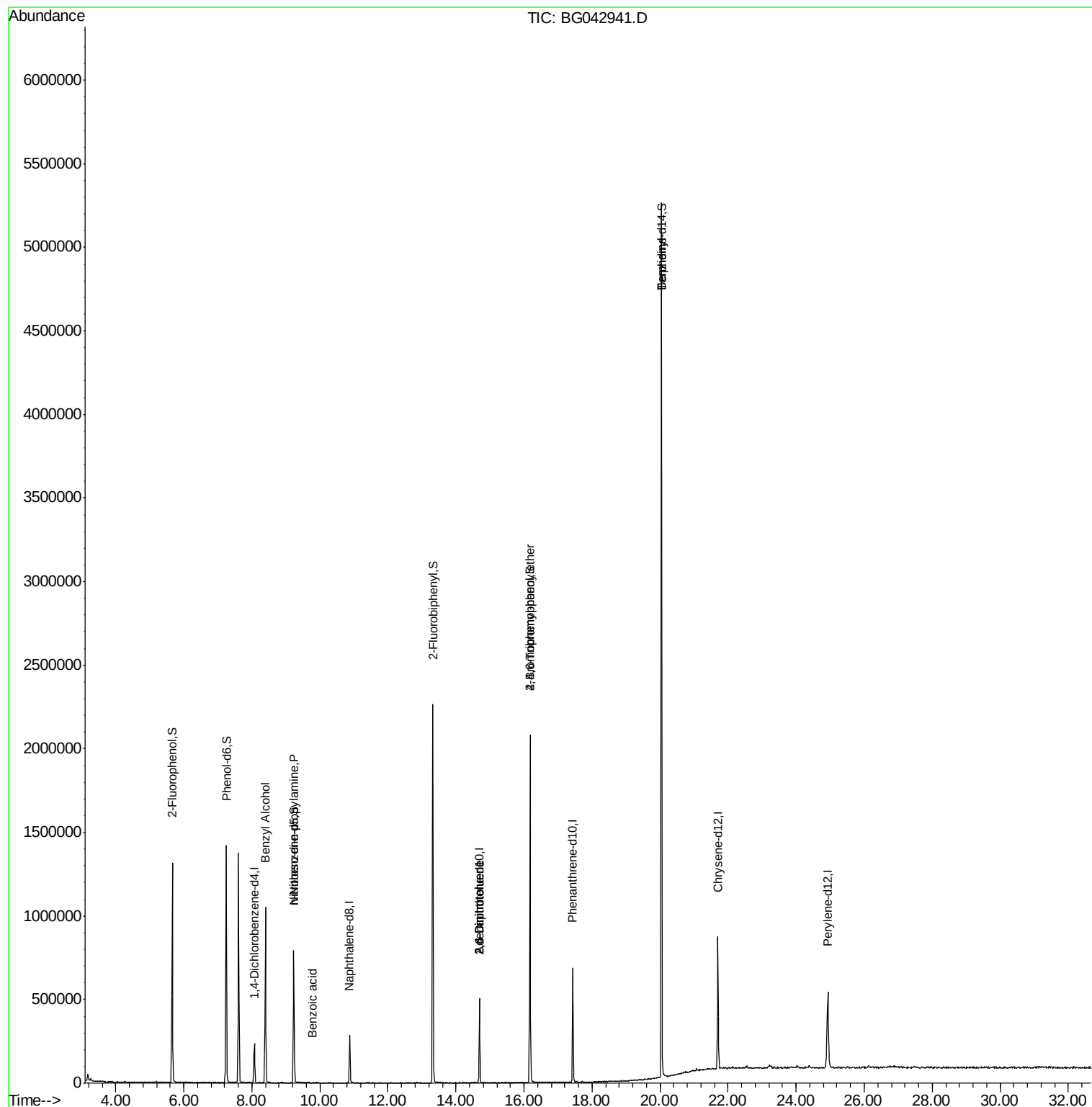
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	66988	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	244432	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	177019	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	432672	20.00	ng	0.00
76) Chrysene-d12	21.70	240	497853	20.00	ng	-0.02
87) Perylene-d12	24.93	264	547037	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	540161	143.90	ng	0.00
7) Phenol-d6	7.24	99	776216	143.60	ng	0.00
23) Nitrobenzene-d5	9.23	82	488060	97.05	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	427964	140.59	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1211719	99.23	ng	0.00
79) Terphenyl-d14	20.04	244	2378608	101.81	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.40	79	9329	2.296	ng	# 64
19) n-Nitroso-di-n-propylamine	9.23	70	67764	19.092	ng	# 75
32) Benzoic acid	9.78	122	150	2.866	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	23625	8.364	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	23625	5.712	ng	# 25
67) 4-Bromophenyl-phenylether	16.18	248	28112	5.177	ng	# 1
77) Benzidine	20.04	184	42342	3.397	ng	# 93

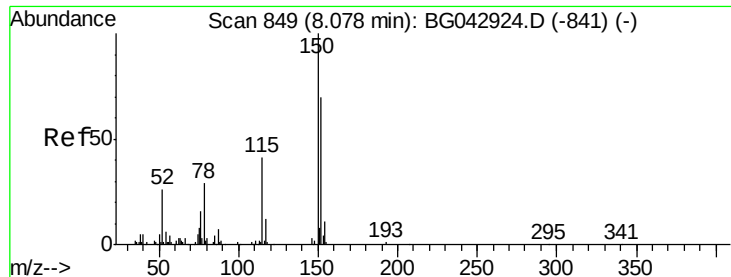
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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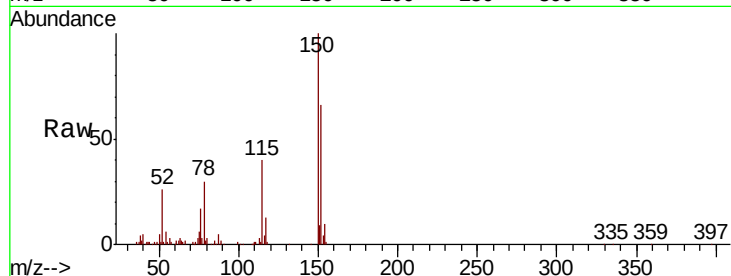


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.00 min
Lab File: BG042941.D
Acq: 30 Sep 2019 13:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	115.0	172.4
115	60.6	47.0	70.6

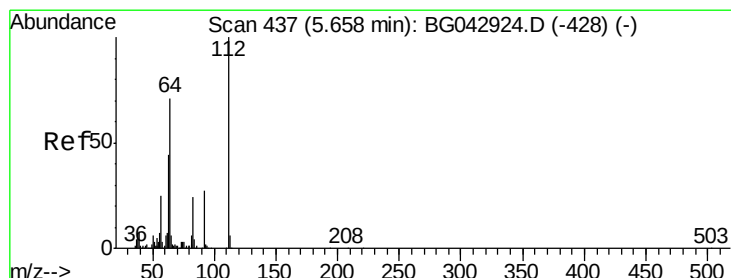
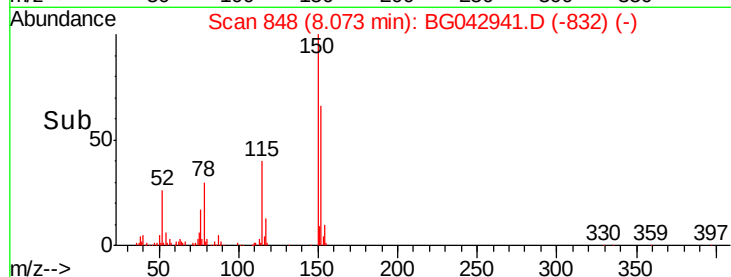
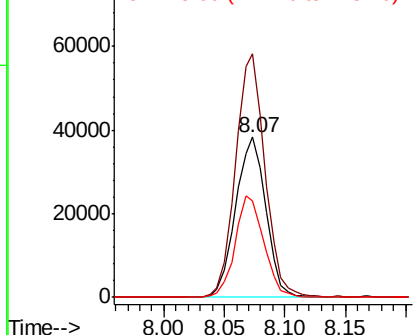


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

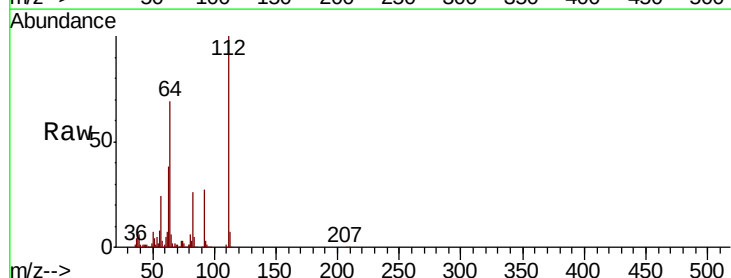
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 143.904 ng
RT: 5.66 min Scan# 437
Delta R.T. 0.00 min
Lab File: BG042941.D
Acq: 30 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	56.6	84.8
63	37.7	35.1	52.7

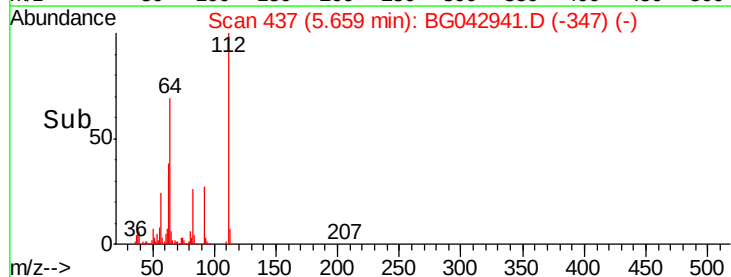
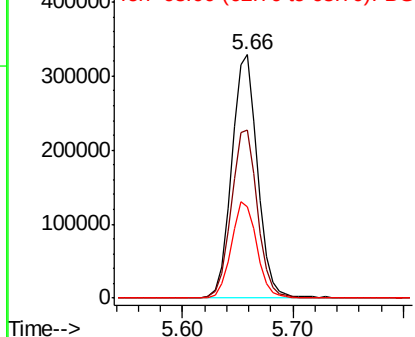


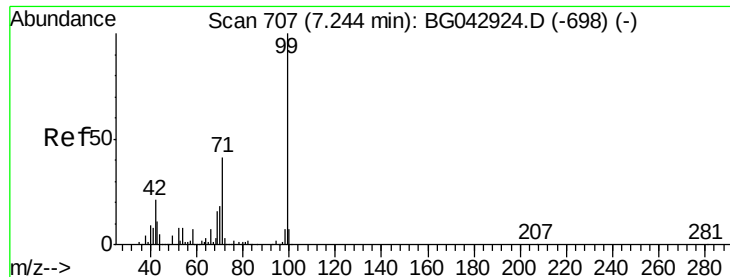
Abundance

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: 143.599 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG042941.D

Acq: 30 Sep 2019 13:41

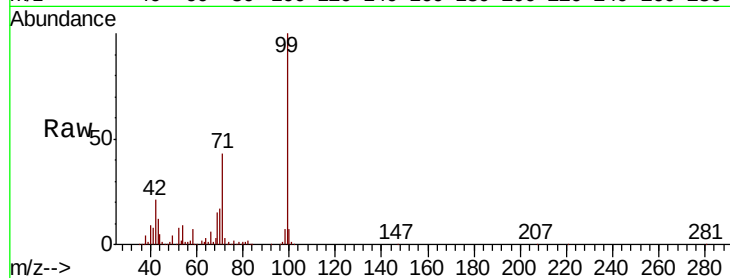
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 776216

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.2	25.8
71	42.9	33.1	49.7

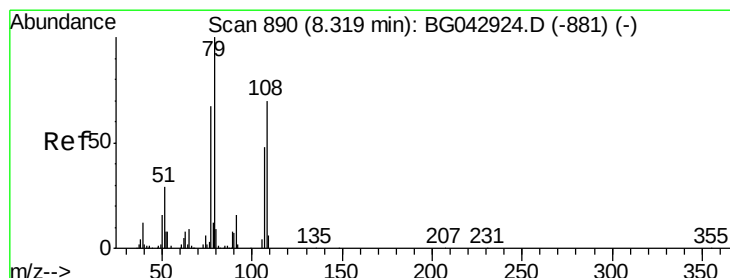
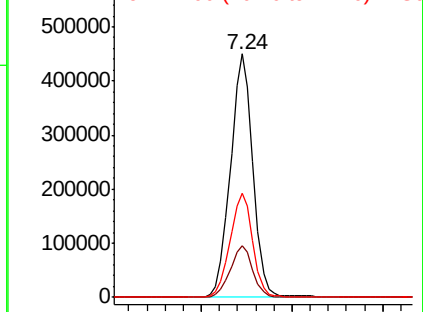
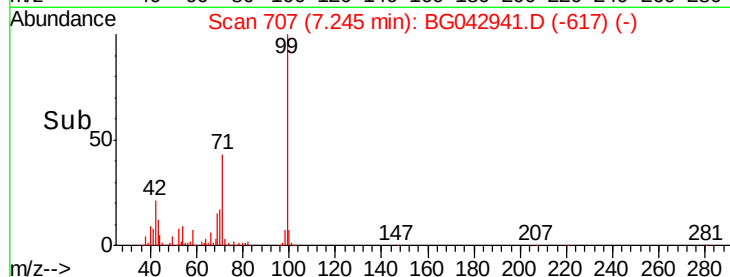


Abundance

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



#15

Benzyl Alcohol

Concen: 2.296 ng

RT: 8.40 min Scan# 903

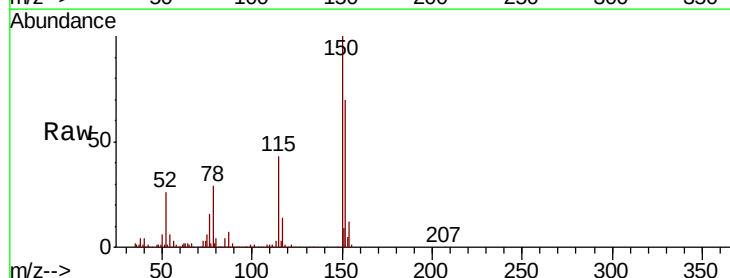
Delta R.T. 0.08 min

Lab File: BG042941.D

Acq: 30 Sep 2019 13:41

Tgt Ion: 79 Resp: 9329

Ion	Ratio	Lower	Upper
79	100		
108	37.2	55.7	83.5#
77	93.0	53.3	79.9#

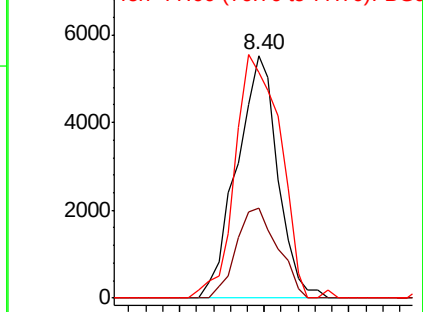
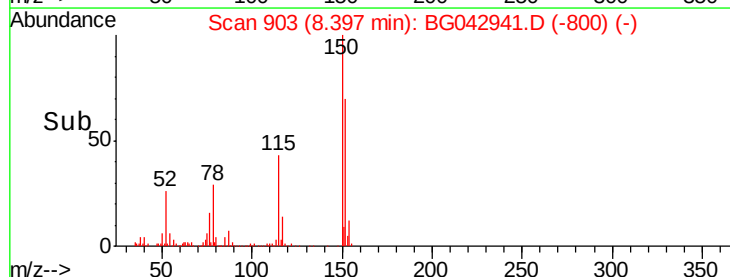


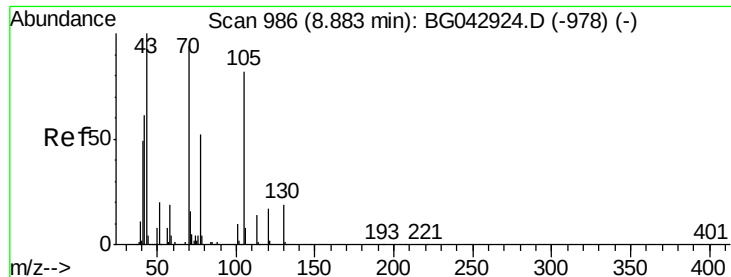
Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

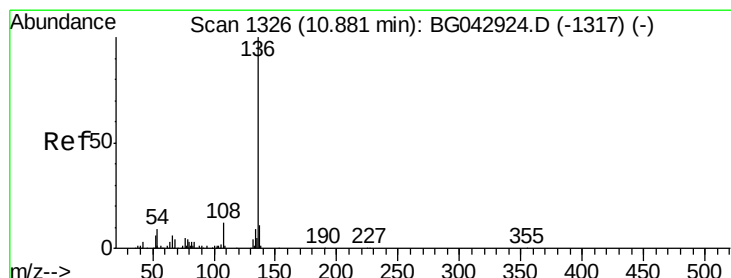
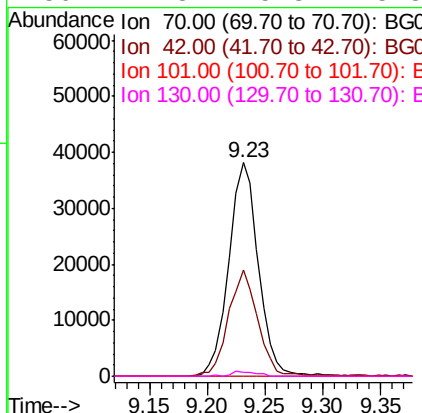
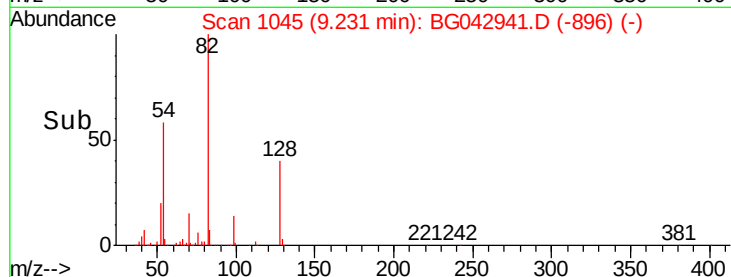
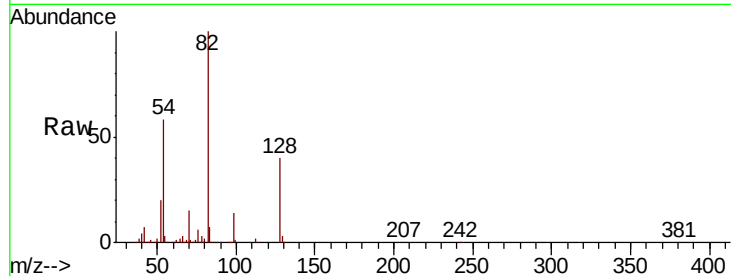




#19
n-Nitroso-di-n-propylamine
Concen: 19.092 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.35 min
Lab File: BG042941.D
Acq: 30 Sep 2019 13:41

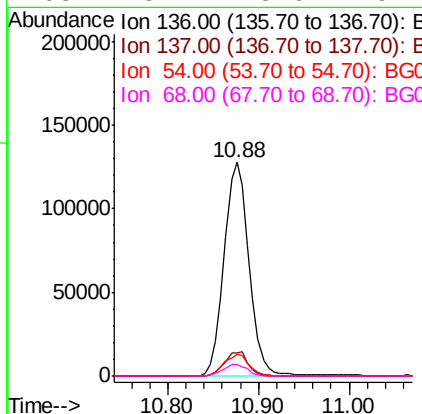
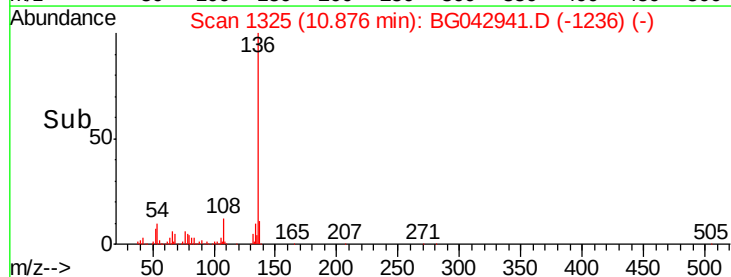
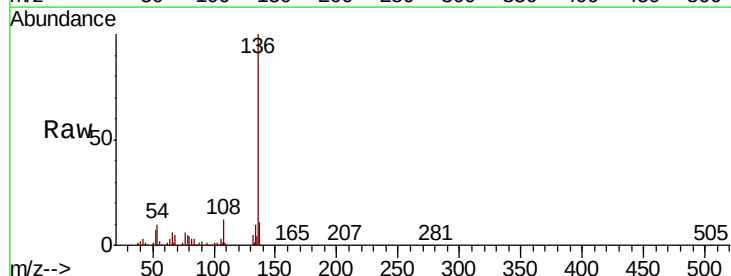
Instrument :
BNA_G
ClientSampled :

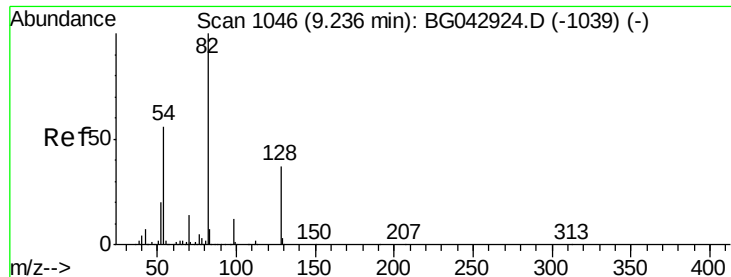
Tot Ion: 70 Resp: 67764
Ion Ratio Lower Upper
70 100
42 49.5 52.6 79.0#
101 0.0 8.7 13.1#
130 1.8 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG042941.D
Acq: 30 Sep 2019 13:41

Tgt Ion: 136 Resp: 244432
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.0 7.4 11.2
68 5.2 3.6 5.4

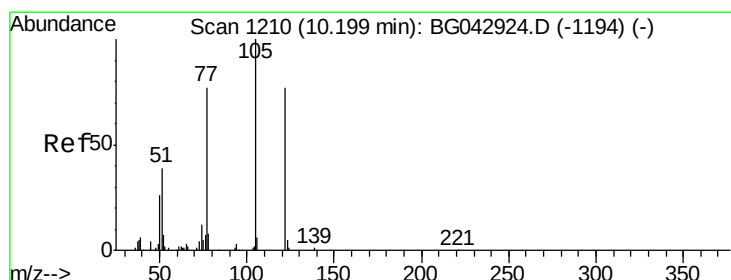
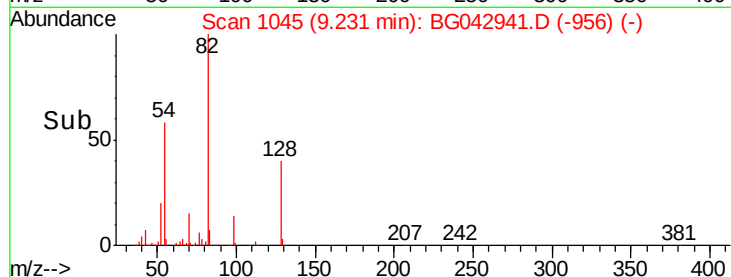
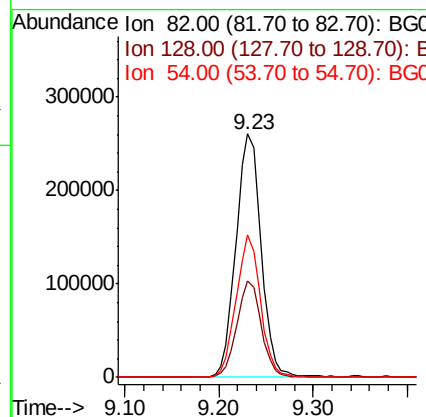
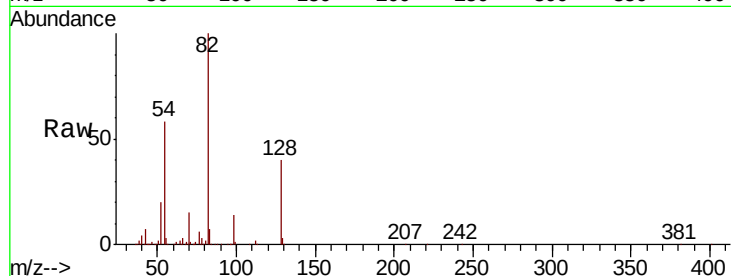




#23
 Nitrobenzene-d5
 Concen: 97.050 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BG042941.D
 Acq: 30 Sep 2019 13:41

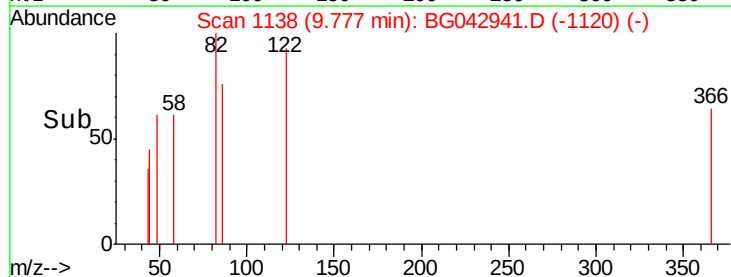
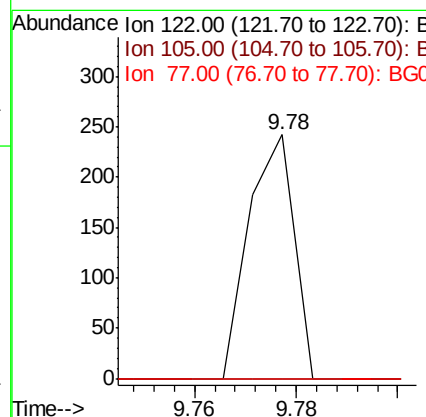
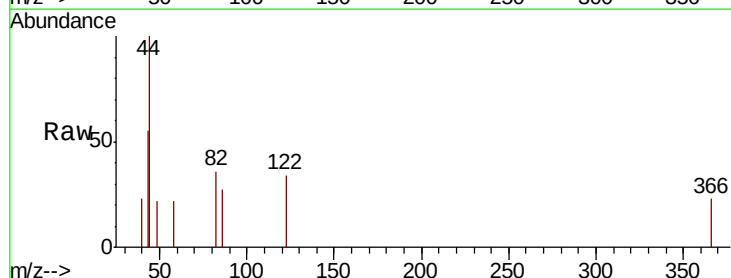
Instrument :
 BNA_G
 ClientSampleId :

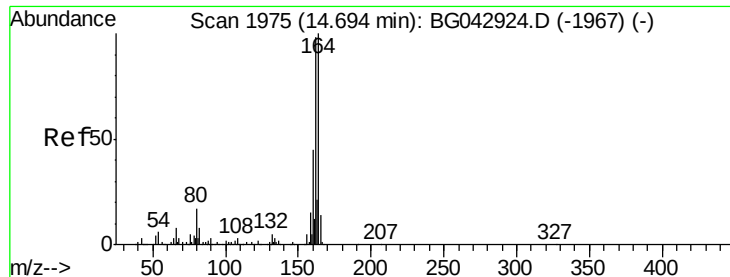
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	29.5	44.3
54	58.3	44.6	67.0



#32
 Benzoic acid
 Concen: 2.866 ng
 RT: 9.78 min Scan# 1138
 Delta R.T. -0.42 min
 Lab File: BG042941.D
 Acq: 30 Sep 2019 13:41

Tgt 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# 1974

Delta R.T. -0.01 min

Lab File: BG042941.D

Acq: 30 Sep 2019 13:41

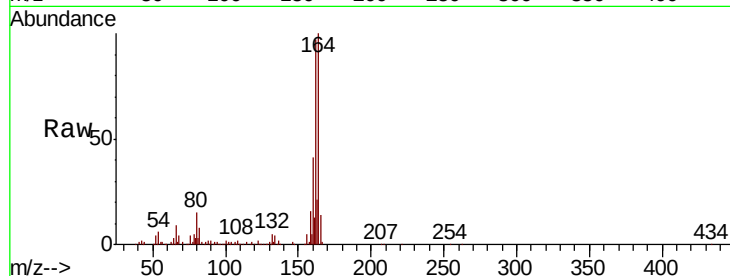
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 177019

Ion	Ratio	Lower	Upper
164	100		
162	96.9	78.5	117.7
160	41.5	35.9	53.9

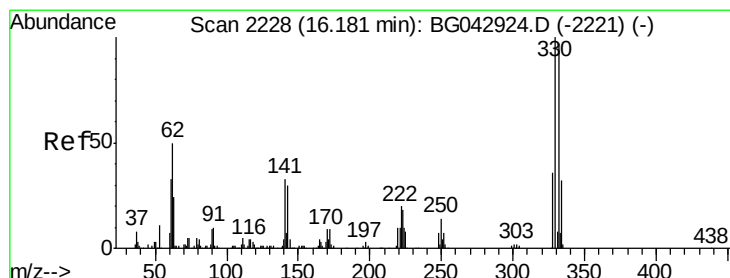
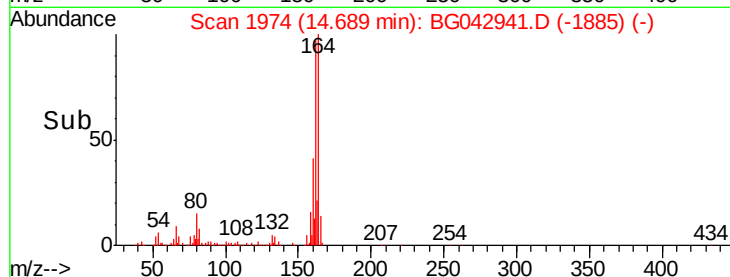
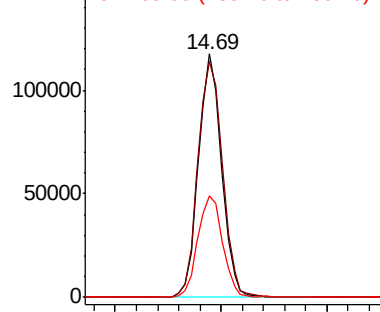


Abundance

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: 140.595 ng

RT: 16.18 min Scan# 2227

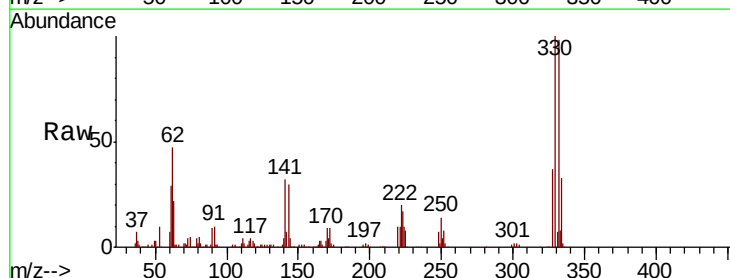
Delta R.T. -0.00 min

Lab File: BG042941.D

Acq: 30 Sep 2019 13:41

Tgt Ion:330 Resp: 427964

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.2	117.2
141	31.5	26.0	39.0

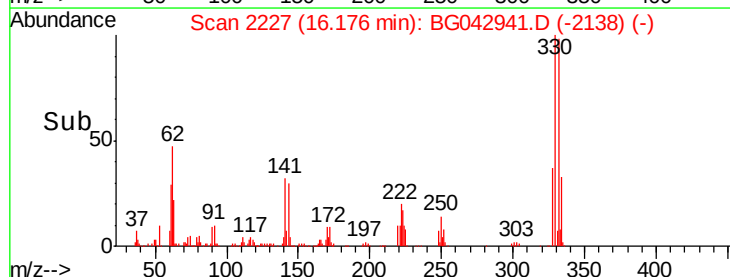
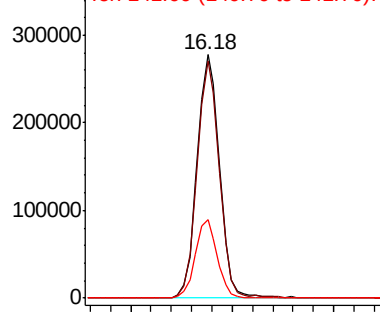


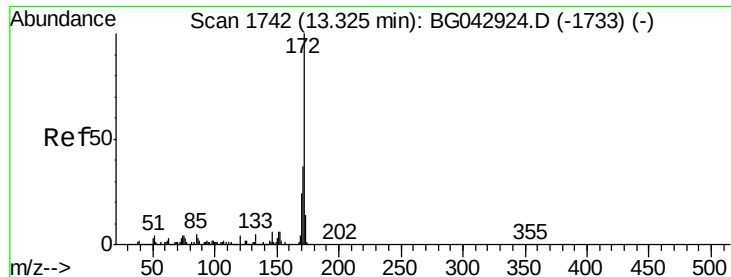
Abundance

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

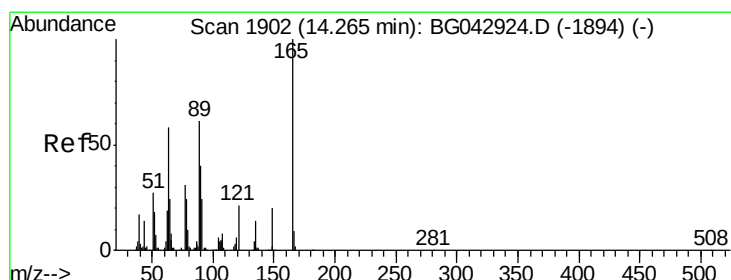
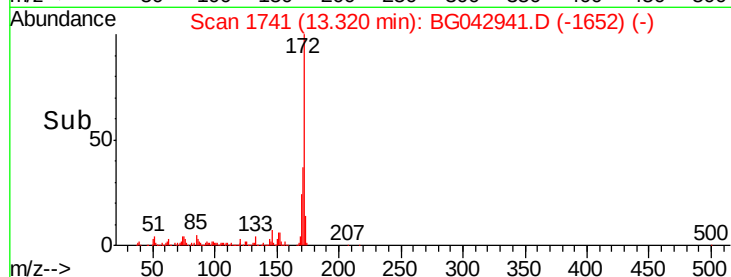
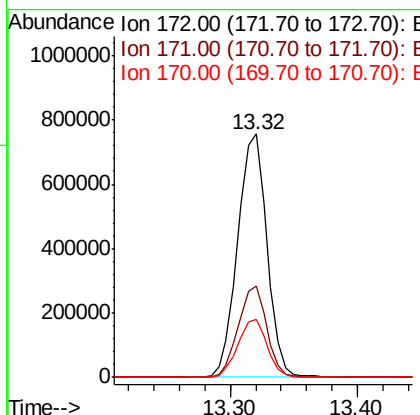
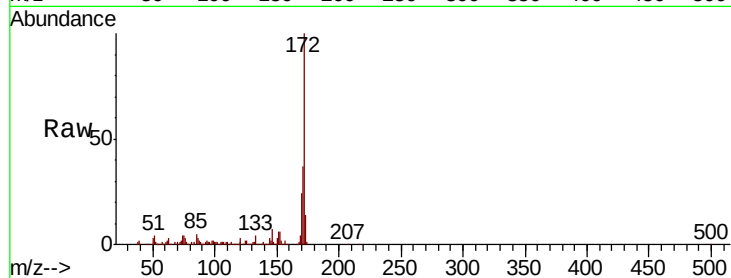




#45
 2-Fluorobiphenyl
 Concen: 99.234 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG042941.D
 Acq: 30 Sep 2019 13:41

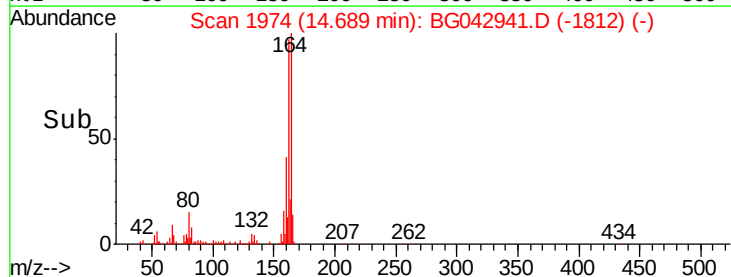
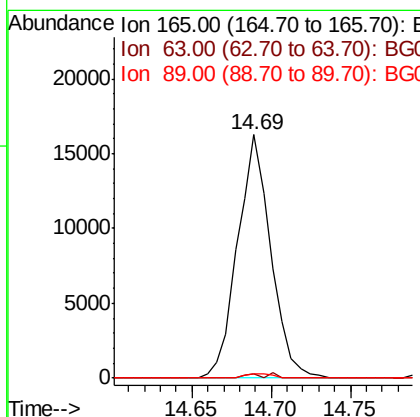
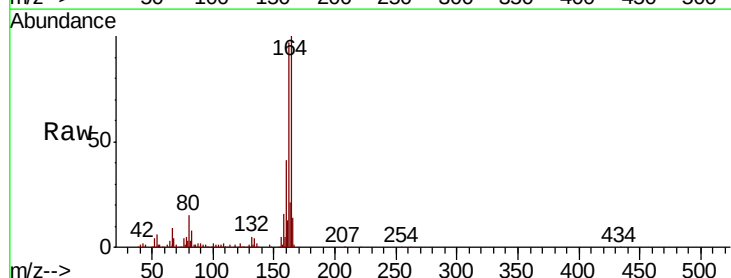
Instrument :
 BNA_G
 ClientSampleId :

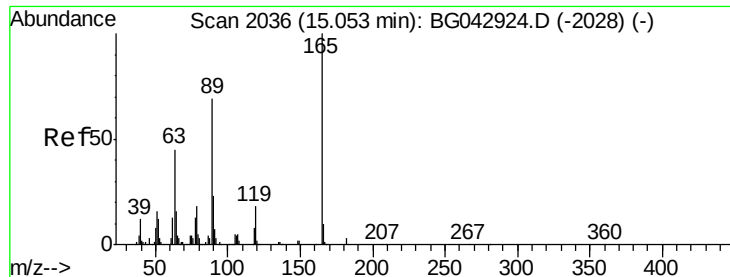
Tot Ion:172 Resp: 1211719
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.6 44.4
 170 23.8 19.6 29.4



#51
 2,6-Dinitrotoluene
 Concen: 8.364 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.42 min
 Lab File: BG042941.D
 Acq: 30 Sep 2019 13:41

Tgt Ion:165 Resp: 23625
 Ion Ratio Lower Upper
 165 100
 63 1.7 50.3 75.5#
 89 1.5 48.9 73.3#





#57

2,4-Dinitrotoluene

Concen: 5.712 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.36 min

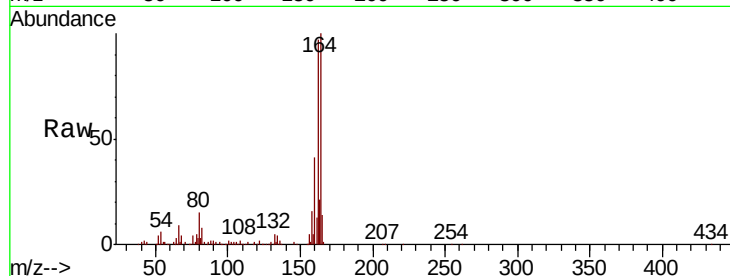
Lab File: BG042941.D

Acq: 30 Sep 2019 13:41

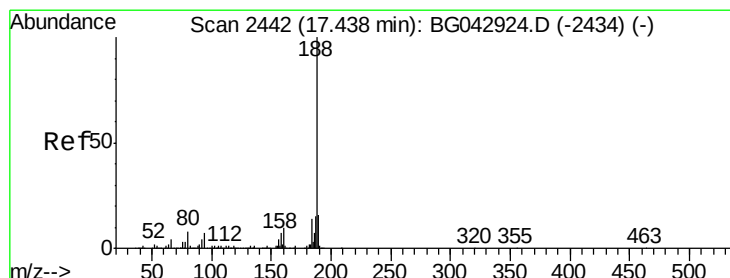
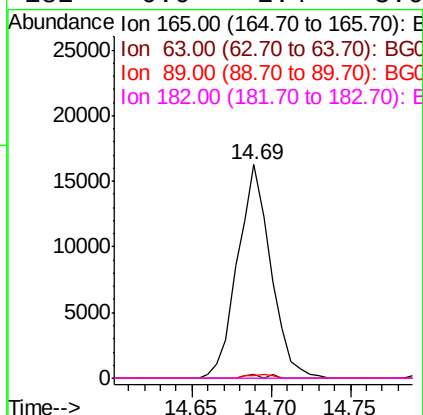
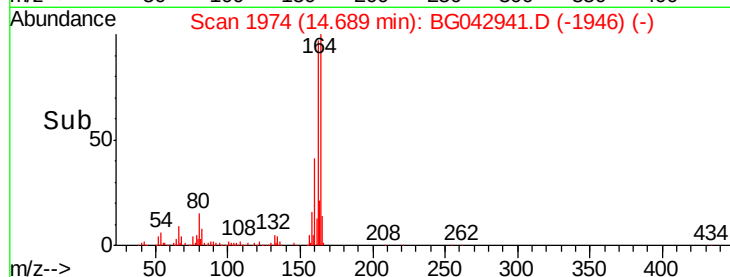
Instrument :

BNA_G

ClientSampled :



Tot Ion:165	Resp:	23625
Ion	Ratio	Lower Upper
165	100	
63	1.7	36.5 54.7#
89	1.5	55.5 83.3#
182	0.0	2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

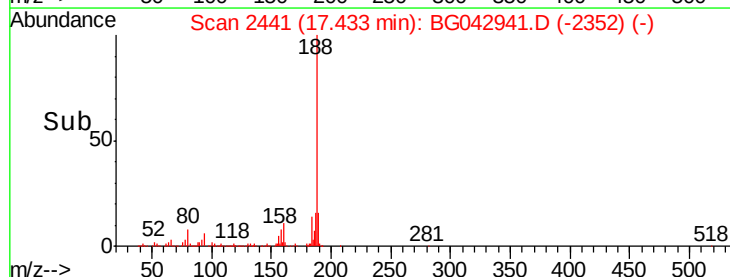
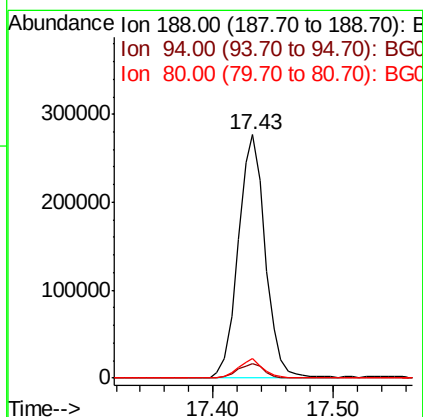
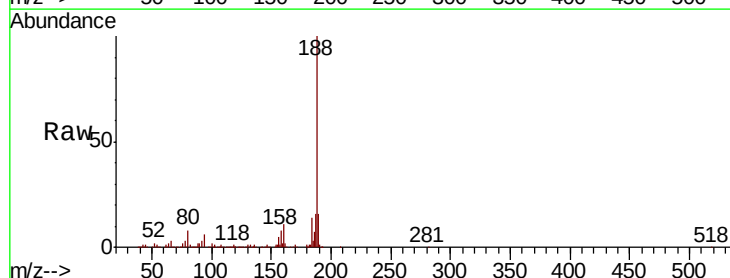
RT: 17.43 min Scan# 2441

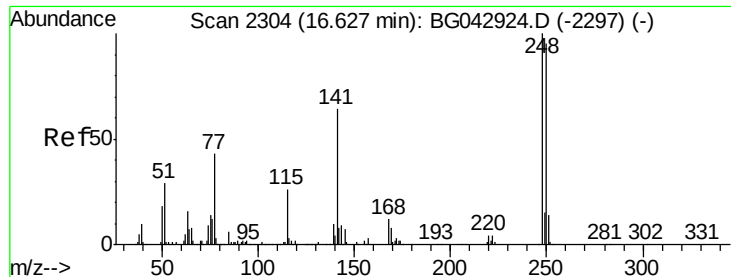
Delta R.T. -0.00 min

Lab File: BG042941.D

Acq: 30 Sep 2019 13:41

Tgt Ion:188	Resp:	432672
Ion	Ratio	Lower Upper
188	100	
94	5.7	5.7 8.5
80	7.9	6.5 9.7

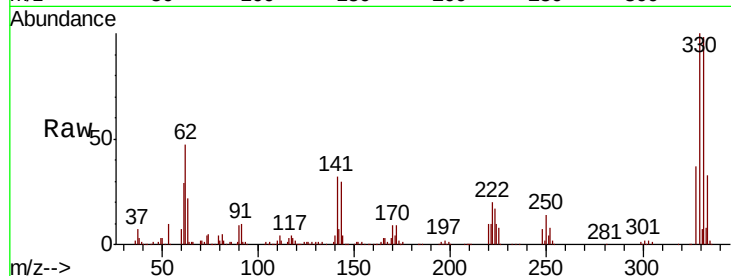




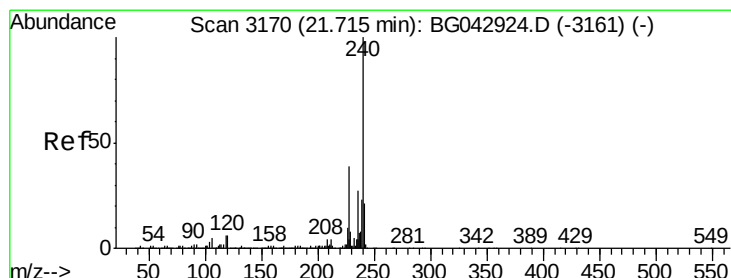
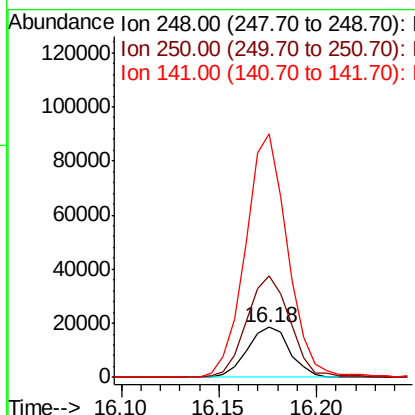
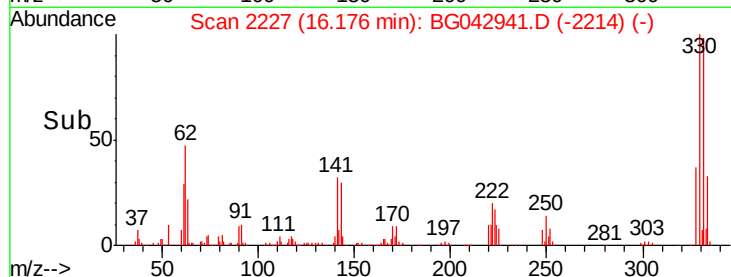
#67
 4-Bromophenyl-phenylether
 Concen: 5.177 ng
 RT: 16.18 min Scan# 2227
 Delta R.T. -0.45 min
 Lab File: BG042941.D
 Acq: 30 Sep 2019 13:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 28112
 Ion Ratio Lower Upper
 248 100
 250 204.6 75.8 113.8#
 141 488.7 51.1 76.7#

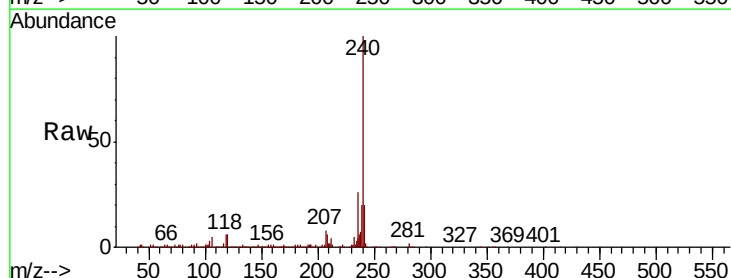


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

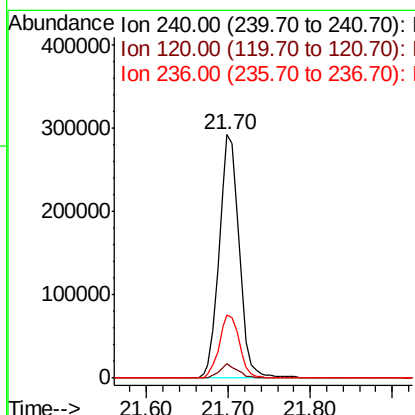
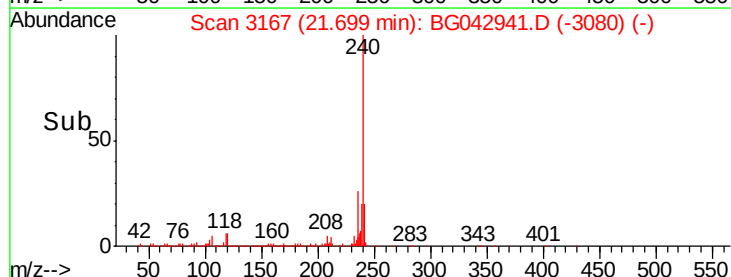


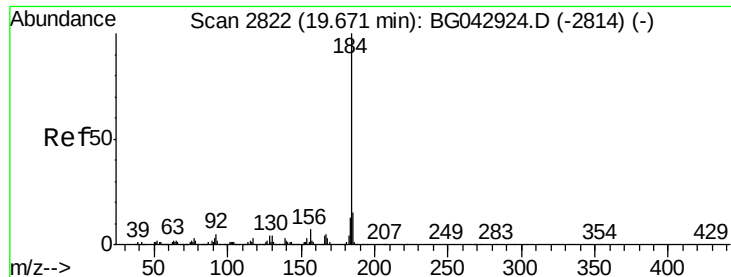
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.02 min
 Lab File: BG042941.D
 Acq: 30 Sep 2019 13:41

Tgt Ion:240 Resp: 497853
 Ion Ratio Lower Upper
 240 100
 120 6.1 4.8 7.2
 236 26.1 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: 3.397 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG042941.D

Acq: 30 Sep 2019 13:41

Instrument :

BNA_G

ClientSampleId :

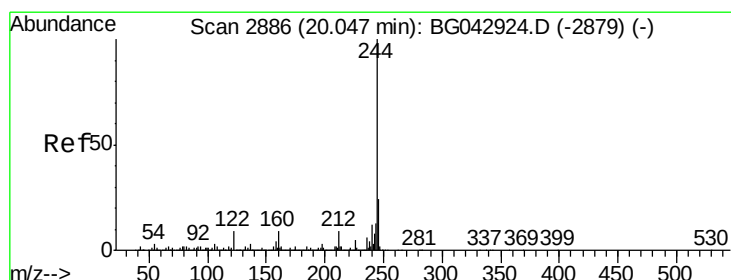
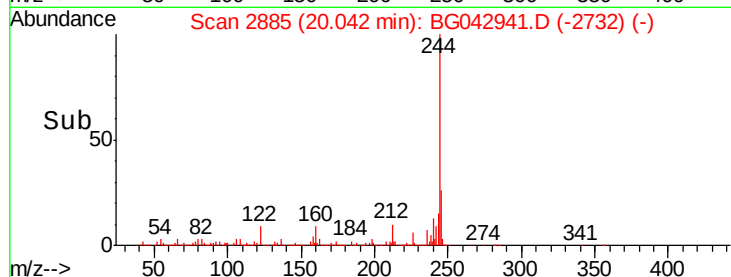
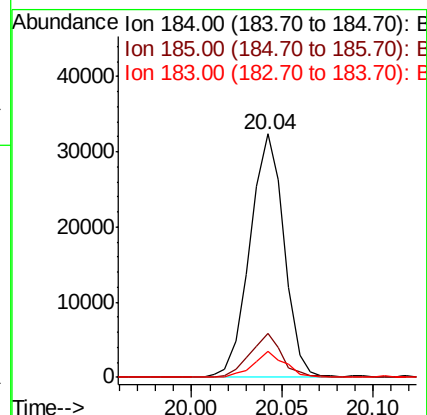
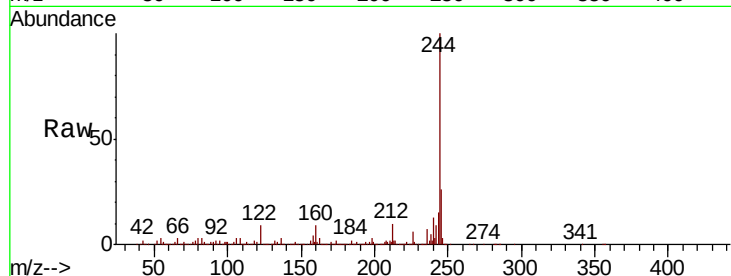
Tot Ion:184 Resp: 42342

Ion Ratio Lower Upper

184 100

185 18.1 11.8 17.8#

183 10.6 10.1 15.1



#79

Terphenyl-d14

Concen: 101.808 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042941.D

Acq: 30 Sep 2019 13:41

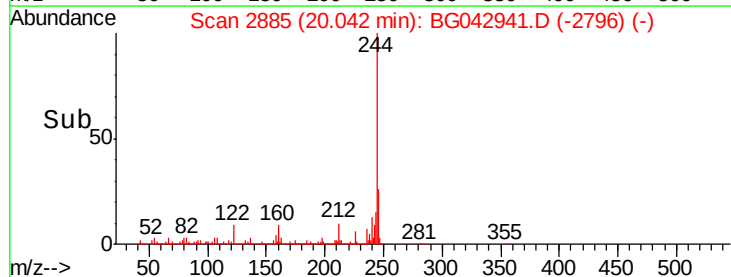
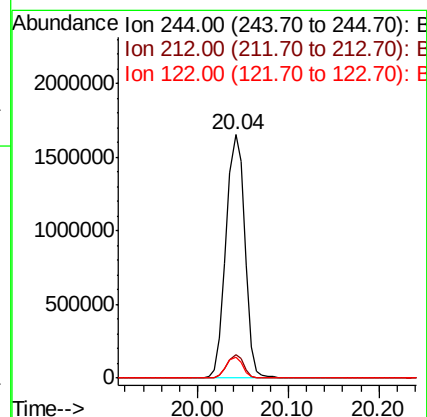
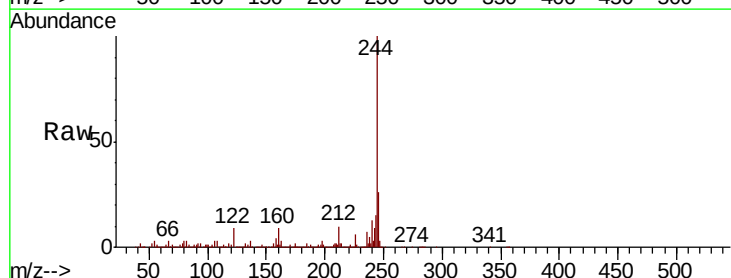
Tgt Ion:244 Resp: 2378608

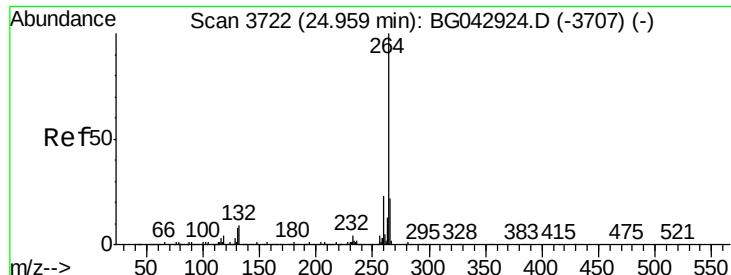
Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.0

122 8.8 7.0 10.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.03 min
 Lab File: BG042941.D
 Acq: 30 Sep 2019 13:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	547037
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.7	17.7	26.5

