

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG093019\
 Data File : BG042952.D
 Acq On : 30 Sep 2019 20:50
 Operator : JU
 Sample : PB123480BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 01 07:12:04 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

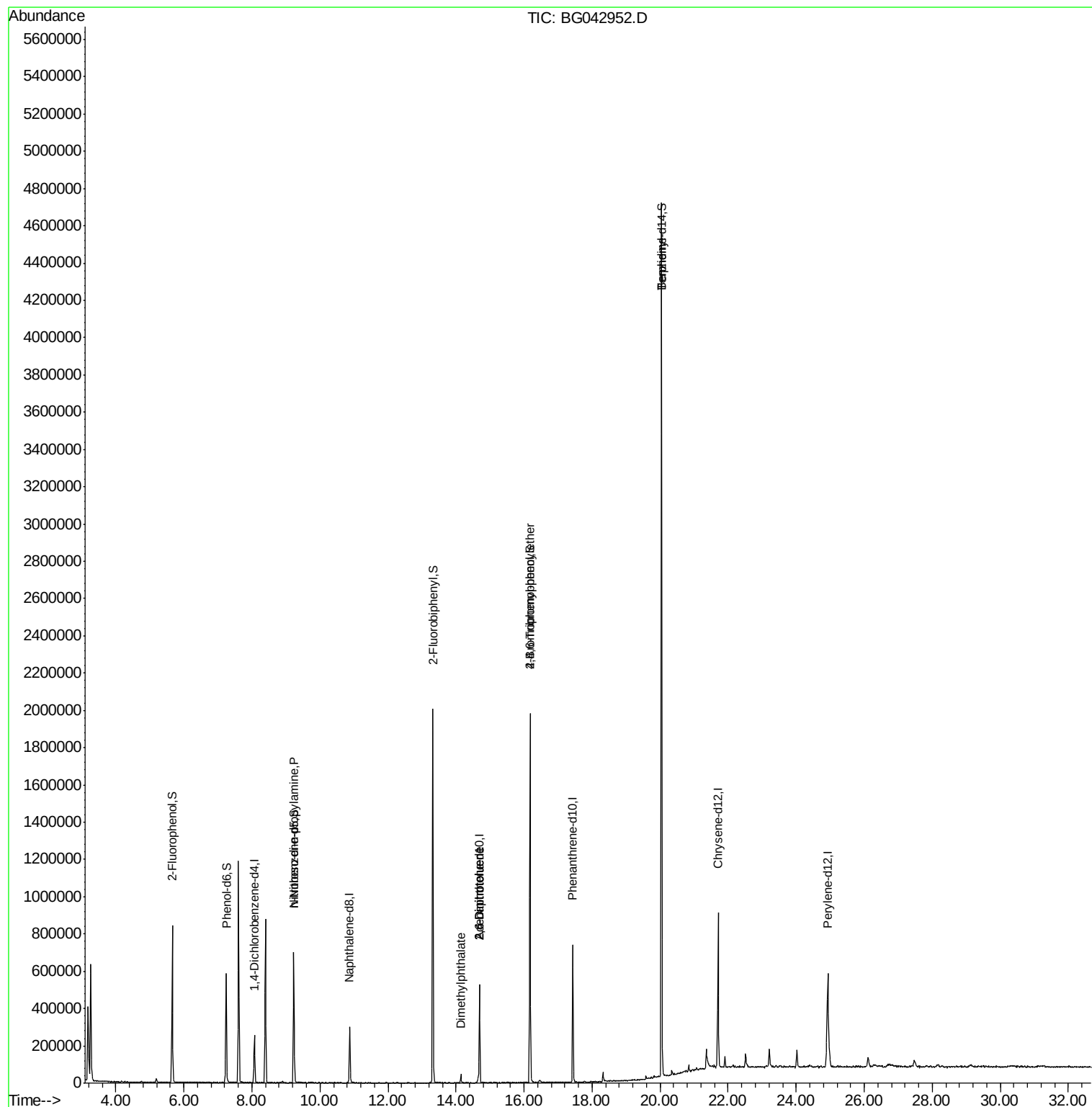
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	72073	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	259435	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	186796	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	442822	20.00	ng	0.00
76) Chrysene-d12	21.70	240	519300	20.00	ng	-0.01
87) Perylene-d12	24.93	264	587352	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	355115	87.93	ng	0.00
7) Phenol-d6	7.24	99	334346	57.49	ng	0.00
23) Nitrobenzene-d5	9.23	82	445963	83.55	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	405711	126.31	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1081570	83.94	ng	0.00
79) Terphenyl-d14	20.04	244	2241083	91.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	62506	16.368	ng	# 73
50) Dimethylphthalate	14.14	163	32966	2.355	ng	# 94
51) 2,6-Dinitrotoluene	14.69	165	26136	8.769	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	26136	5.988	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	28822	5.186	ng	# 1
77) Benzidine	20.04	184	40417	3.108	ng	# 91

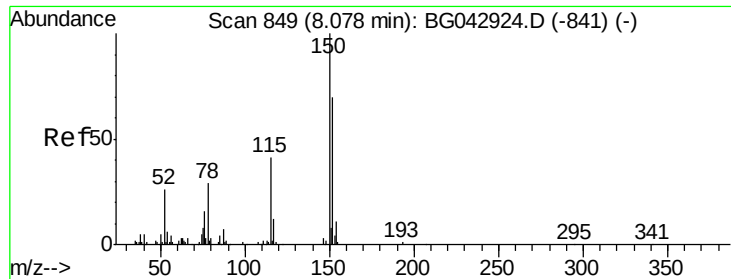
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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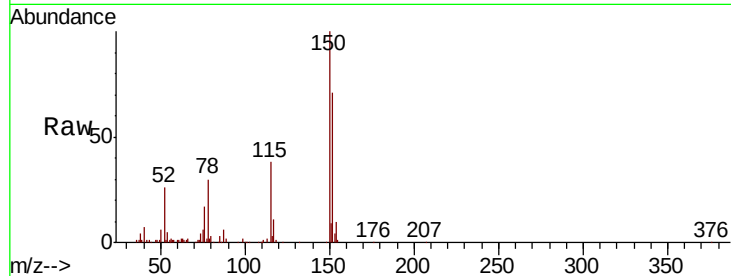


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG042952.D
Acq: 30 Sep 2019 20:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.9	115.0	172.4
115	53.5	47.0	70.6

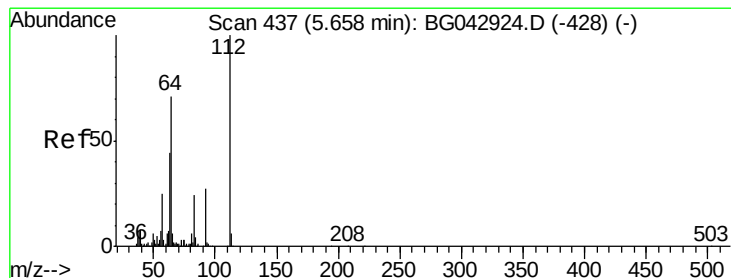
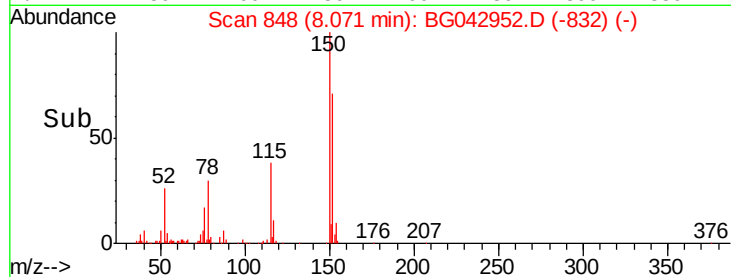
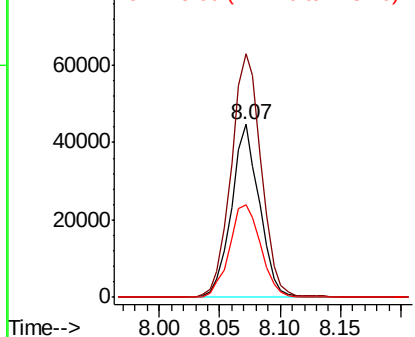


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

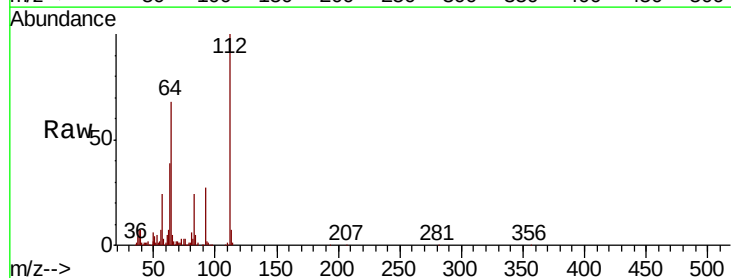
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.931 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG042952.D
Acq: 30 Sep 2019 20:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	56.6	84.8
63	39.1	35.1	52.7

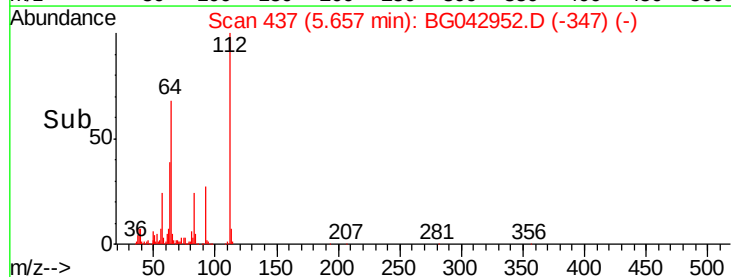
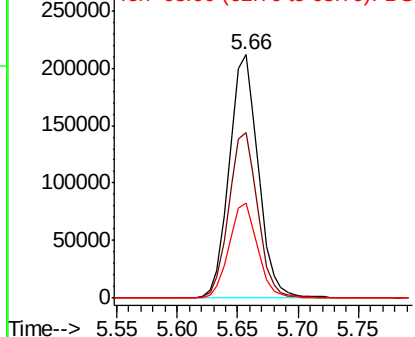


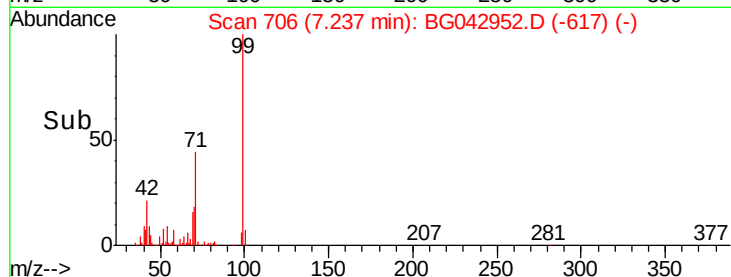
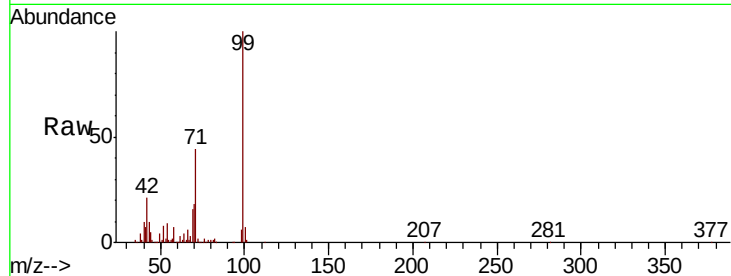
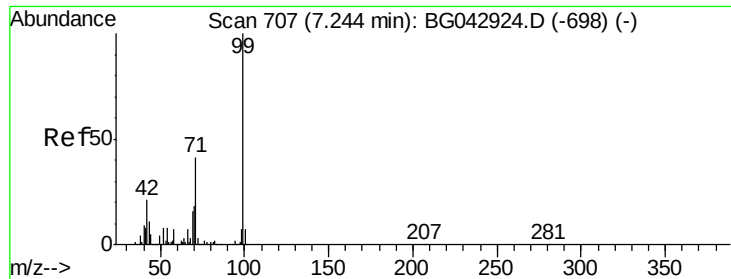
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 57.490 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG042952.D

Acq: 30 Sep 2019 20:50

Instrument :

BNA_G

ClientSampleId :

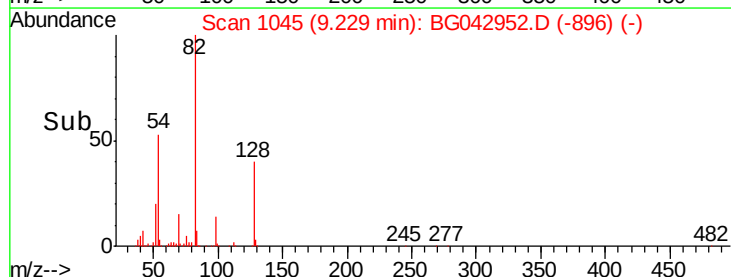
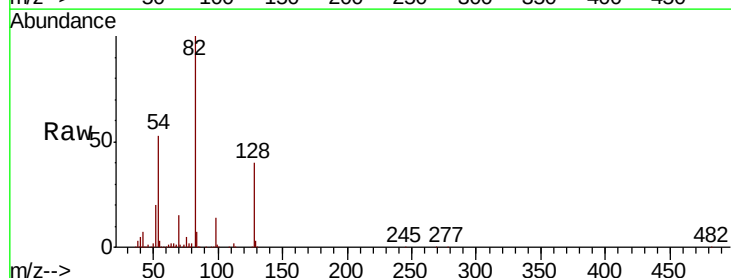
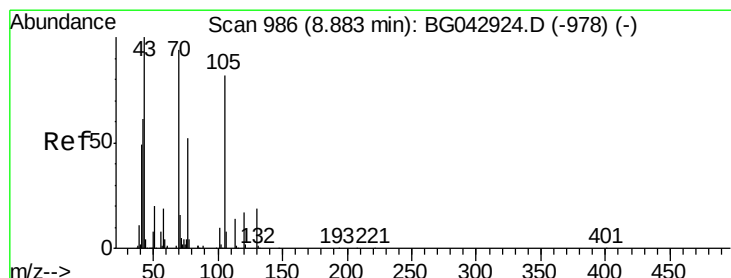
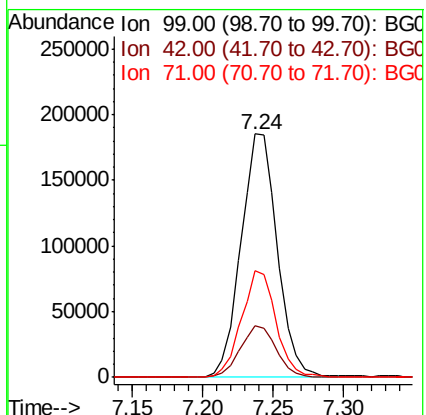
Tot Ion: 99 Resp: 334346

Ion Ratio Lower Upper

99 100

42 21.1 17.2 25.8

71 44.0 33.1 49.7



#19

n-Nitroso-di-n-propylamine

Concen: 16.368 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.35 min

Lab File: BG042952.D

Acq: 30 Sep 2019 20:50

Tgt Ion: 70 Resp: 62506

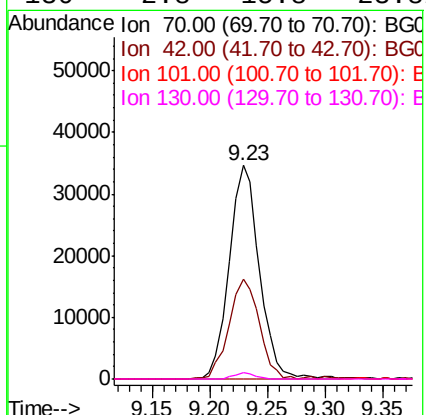
Ion Ratio Lower Upper

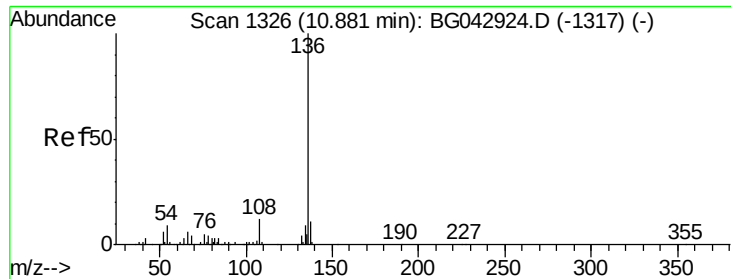
70 100

42 46.5 52.6 79.0#

101 0.0 8.7 13.1#

130 2.8 15.8 23.8#

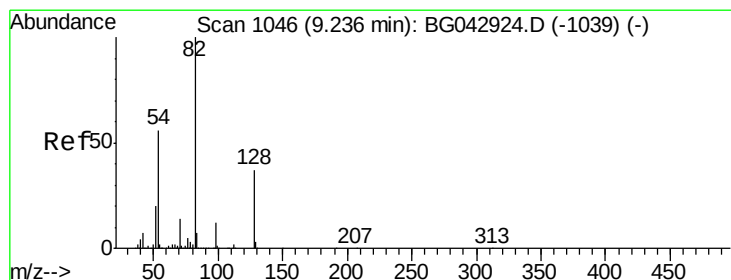
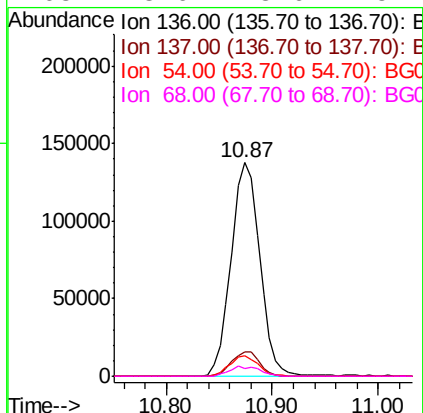
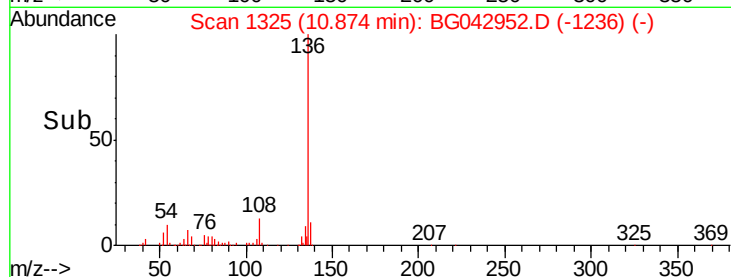
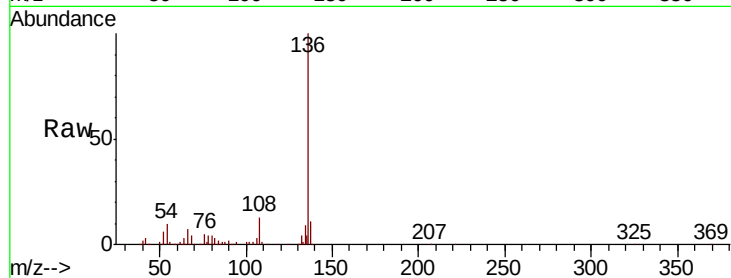




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042952.D
Acq: 30 Sep 2019 20:50

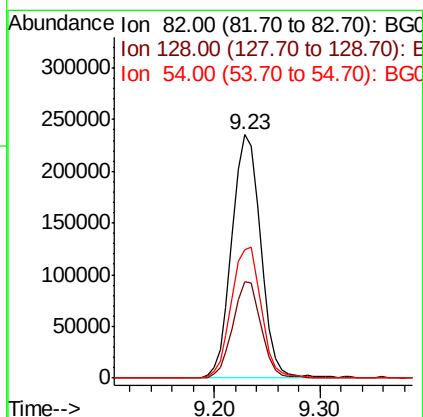
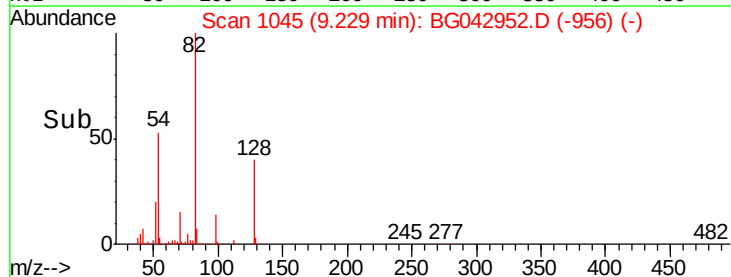
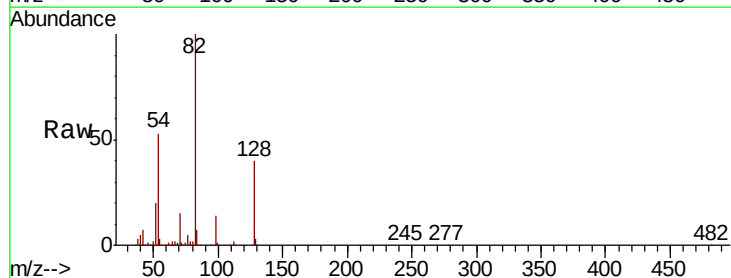
Instrument :
BNA_G
ClientSampleId :

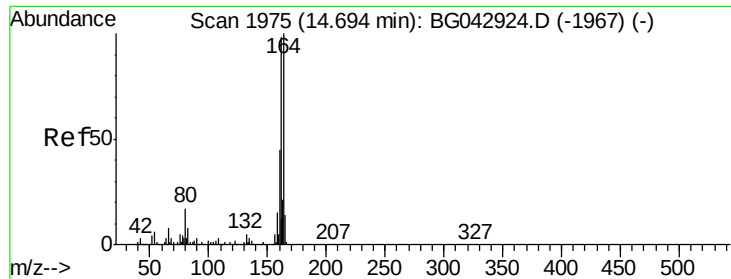
Tot Ion:136	Resp:	259435
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.5 12.7
54	9.8	7.4 11.2
68	3.6	3.6 5.4



#23
Nitrobenzene-d5
Concen: 83.551 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG042952.D
Acq: 30 Sep 2019 20:50

Tgt Ion: 82	Resp:	445963
Ion	Ratio	Lower Upper
82	100	
128	39.6	29.5 44.3
54	52.8	44.6 67.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG042952.D

Acq: 30 Sep 2019 20:50

Instrument :

BNA_G

ClientSampleId :

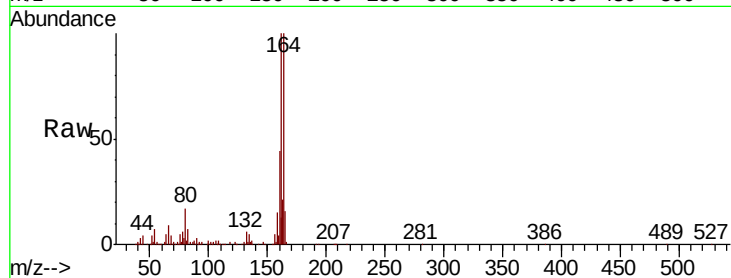
Tot Ion:164 Resp: 186796

Ion Ratio Lower Upper

164 100

162 100.4 78.5 117.7

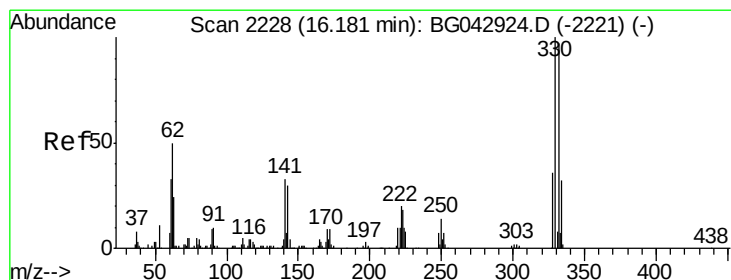
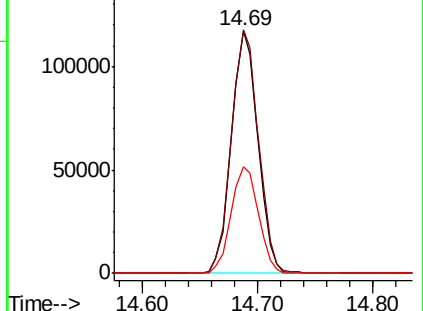
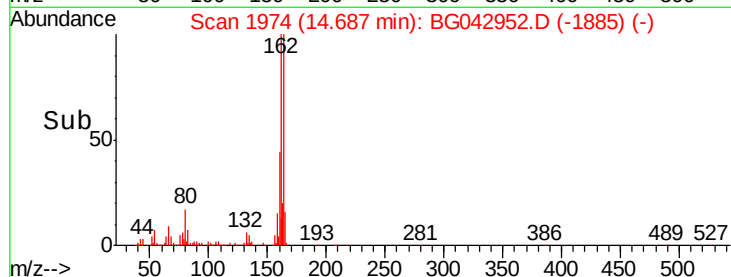
160 44.2 35.9 53.9



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: 126.308 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG042952.D

Acq: 30 Sep 2019 20:50

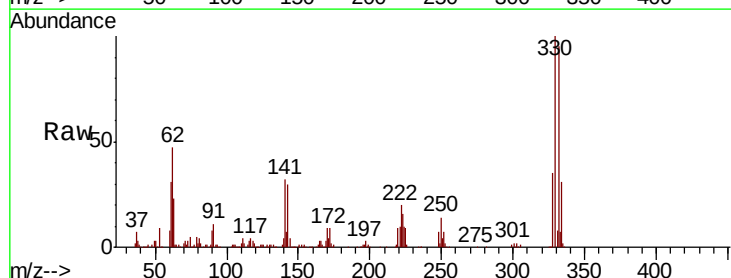
Tgt Ion:330 Resp: 405711

Ion Ratio Lower Upper

330 100

332 96.7 78.2 117.2

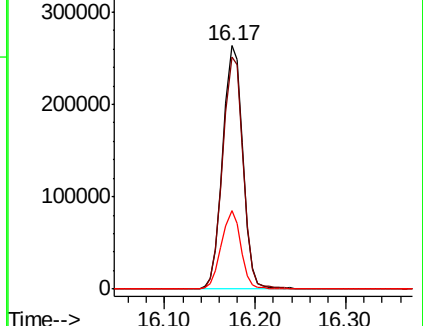
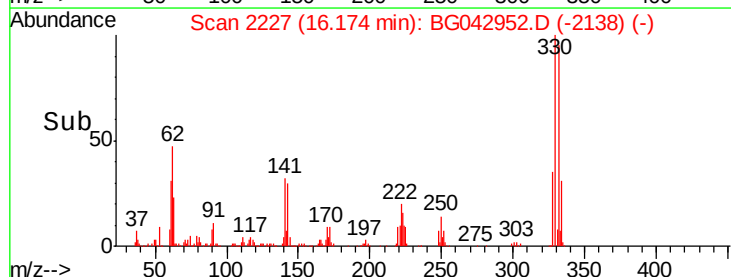
141 31.4 26.0 39.0

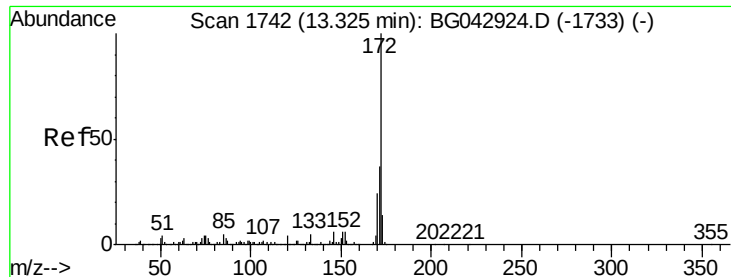


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

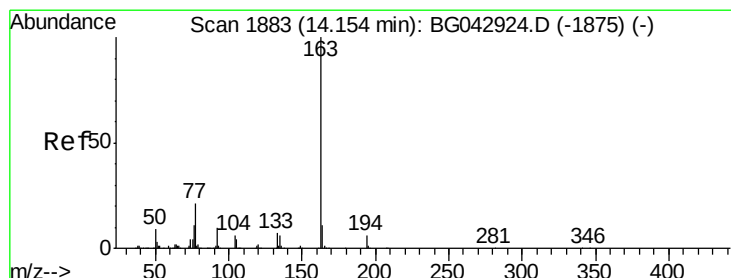
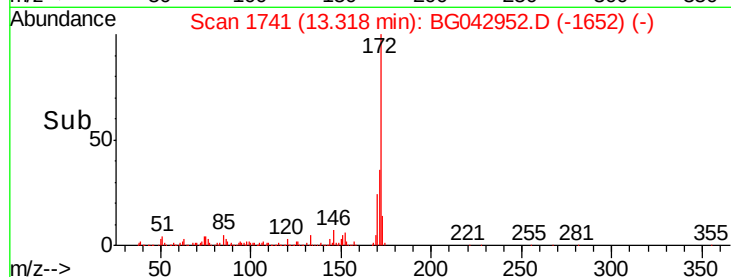
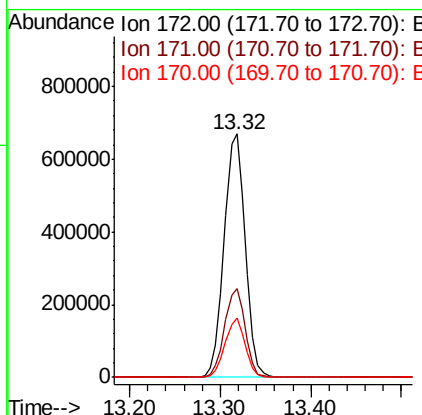
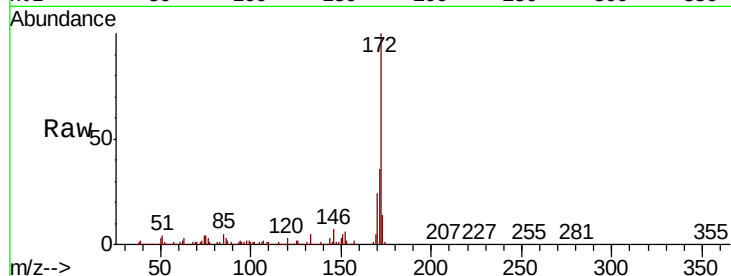




#45
2-Fluorobiphenyl
Concen: 83.939 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.01 min
Lab File: BG042952.D
Acq: 30 Sep 2019 20:50

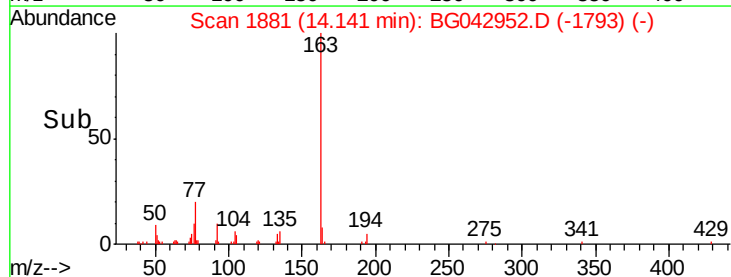
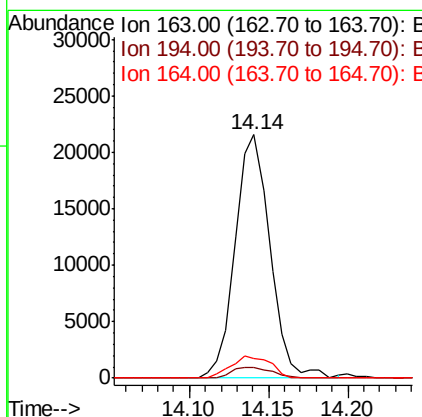
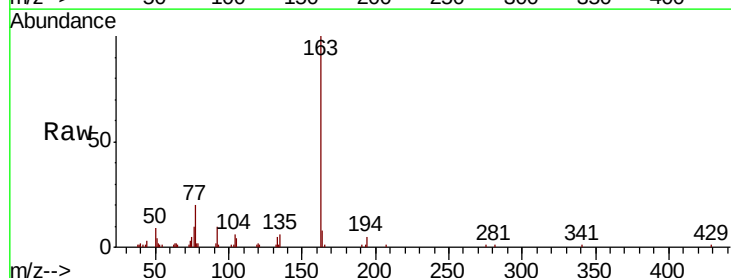
Instrument :
BNA_G
ClientSampleId :

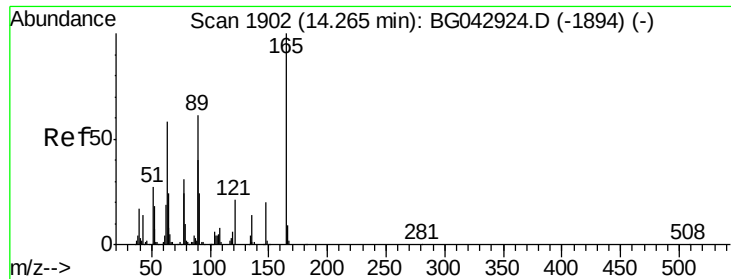
Tot Ion:172 Resp: 1081570
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.4 19.6 29.4



#50
Dimethylphthalate
Concen: 2.355 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG042952.D
Acq: 30 Sep 2019 20:50

Tgt Ion:163 Resp: 32966
Ion Ratio Lower Upper
163 100
194 4.5 4.4 6.6
164 8.1 8.6 12.8#

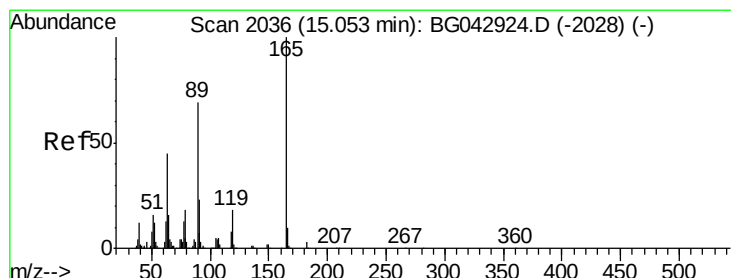
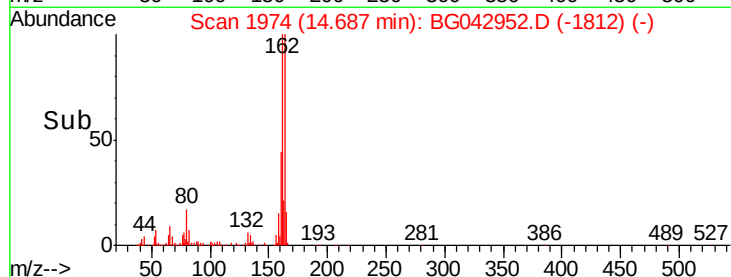
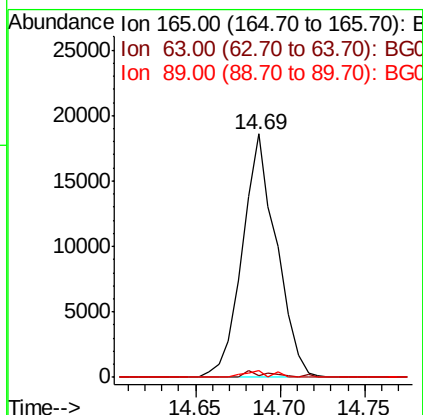
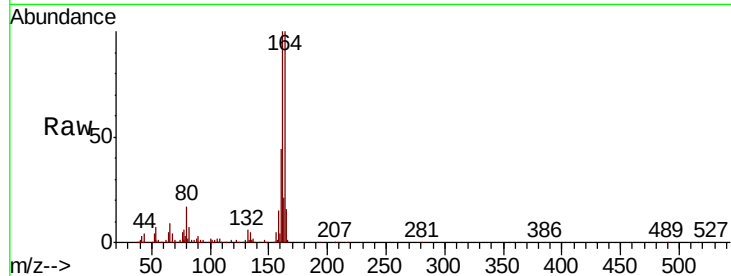




#51
 2,6-Dinitrotoluene
 Concen: 8.769 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.42 min
 Lab File: BG042952.D
 Acq: 30 Sep 2019 20:50

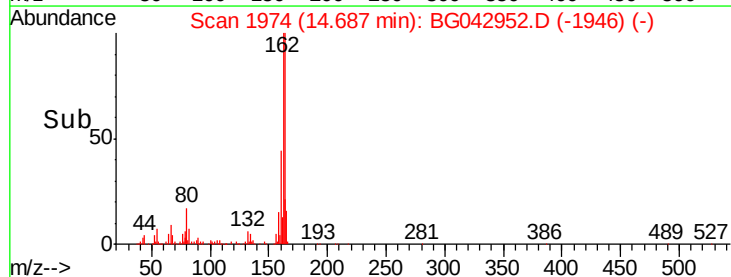
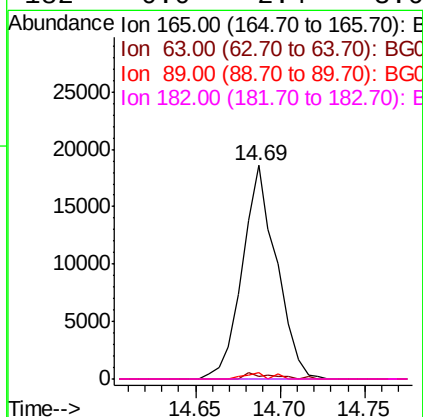
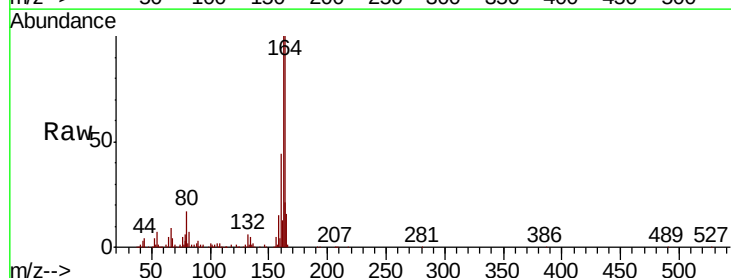
Instrument :
 BNA_G
 ClientSampleId :

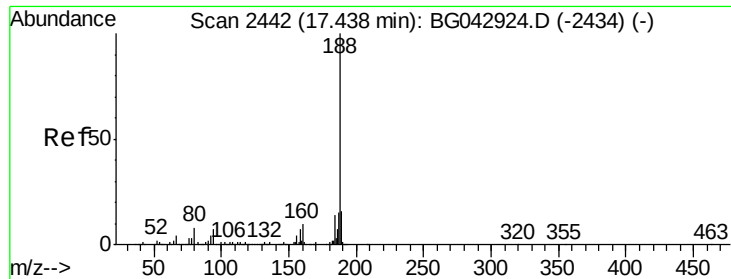
Tot Ion:165 Resp: 26136
 Ion Ratio Lower Upper
 165 100
 63 0.9 50.3 75.5#
 89 2.7 48.9 73.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.988 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.37 min
 Lab File: BG042952.D
 Acq: 30 Sep 2019 20:50

Tgt Ion:165 Resp: 26136
 Ion Ratio Lower Upper
 165 100
 63 0.9 36.5 54.7#
 89 2.7 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. -0.01 min

Lab File: BG042952.D

Acq: 30 Sep 2019 20:50

Instrument :

BNA_G

ClientSampleId :

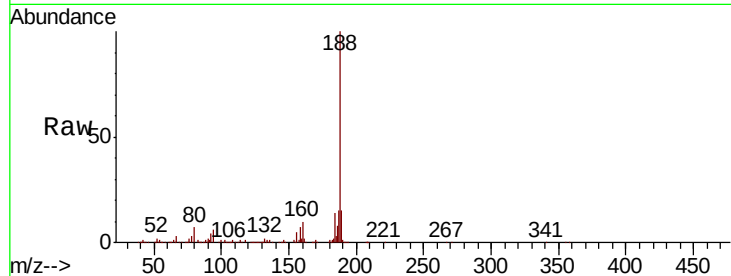
Tot Ion:188 Resp: 442822

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

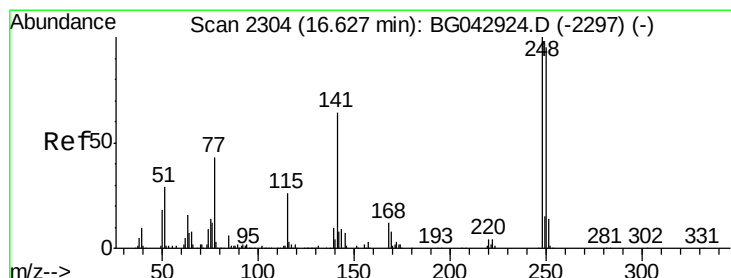
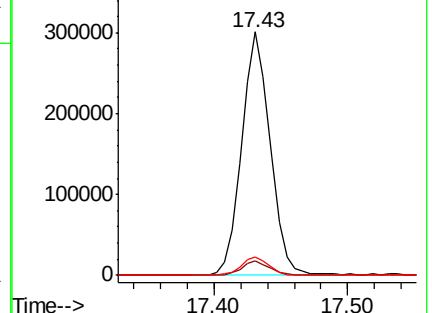
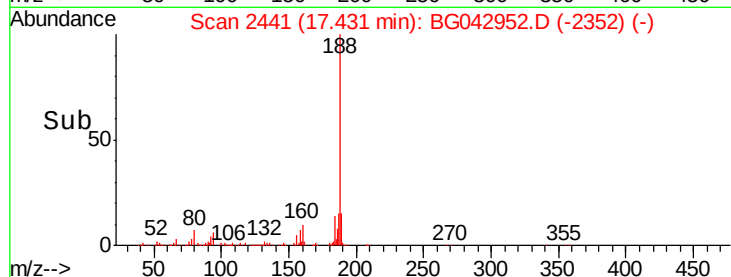
80 7.3 6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.186 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG042952.D

Acq: 30 Sep 2019 20:50

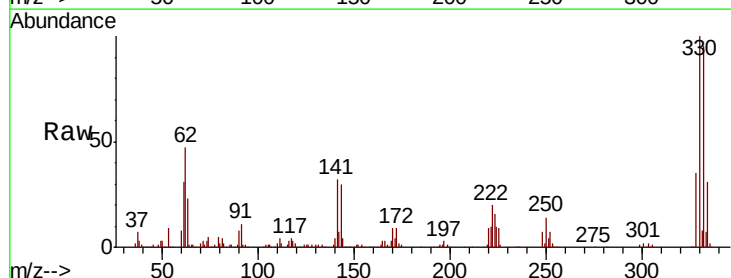
Tgt Ion:248 Resp: 28822

Ion Ratio Lower Upper

248 100

250 198.2 75.8 113.8#

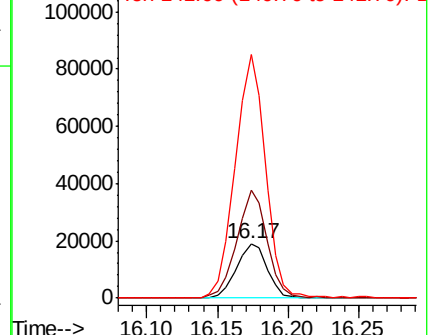
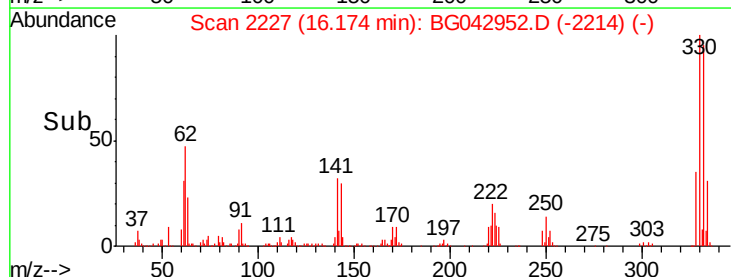
141 448.5 51.1 76.7#

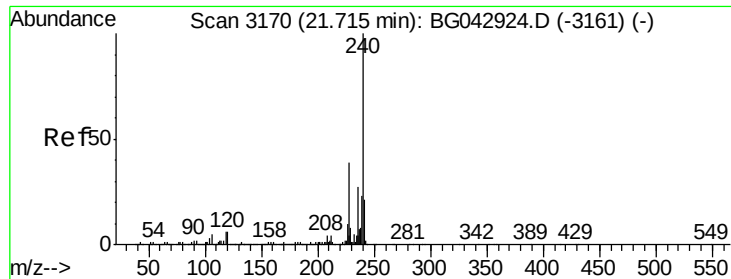


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG042952.D

Acq: 30 Sep 2019 20:50

Instrument :

BNA_G

ClientSampleId :

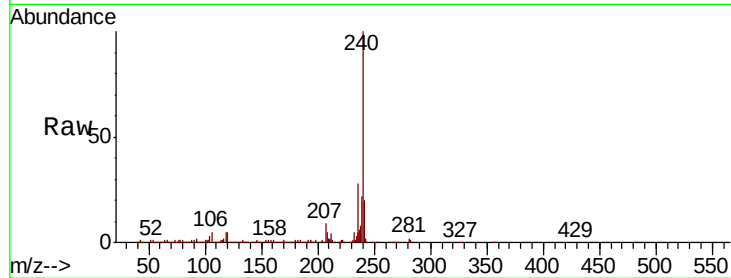
Tot Ion:240 Resp: 519300

Ion Ratio Lower Upper

240 100

120 4.9 4.8 7.2

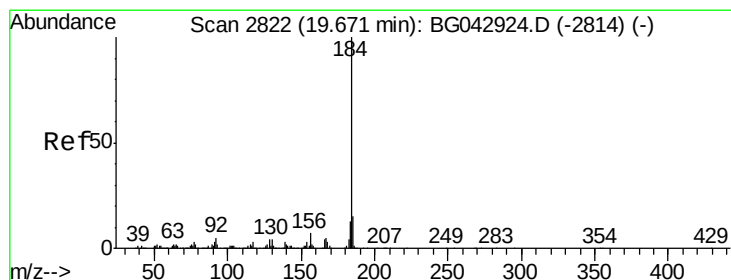
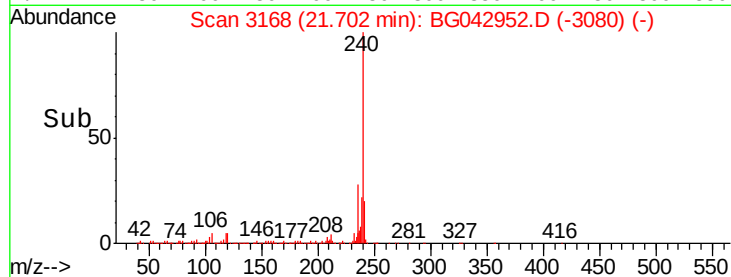
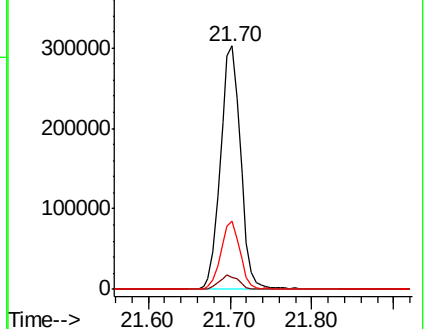
236 27.8 21.4 32.0



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: 3.108 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG042952.D

Acq: 30 Sep 2019 20:50

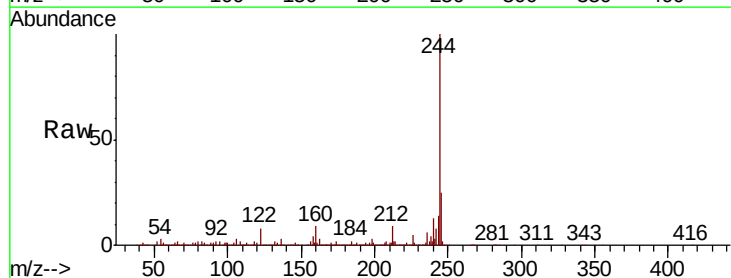
Tgt Ion:184 Resp: 40417

Ion Ratio Lower Upper

184 100

185 16.8 11.8 17.8

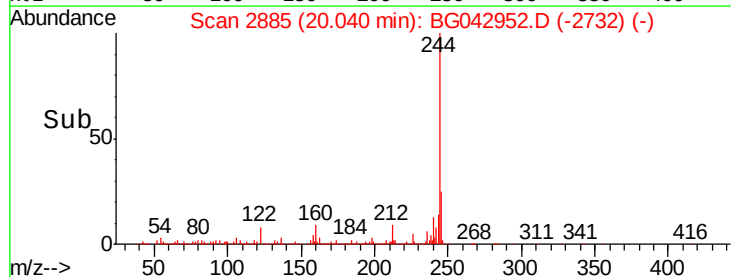
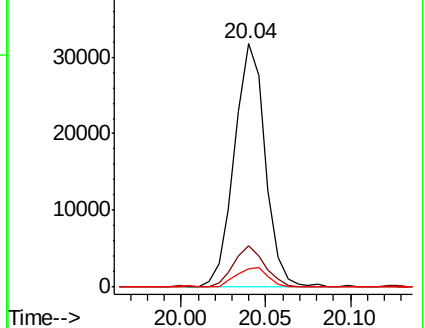
183 7.3 10.1 15.1#

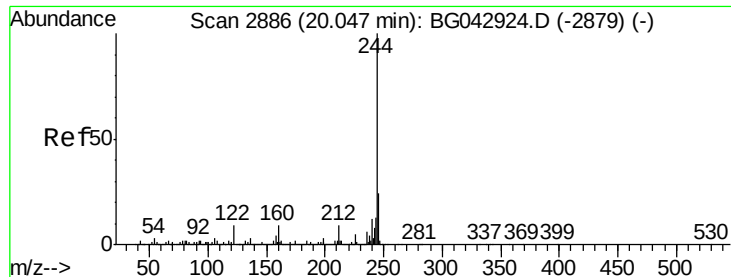


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 91.960 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042952.D

Acq: 30 Sep 2019 20:50

Instrument :

BNA_G

ClientSampled :

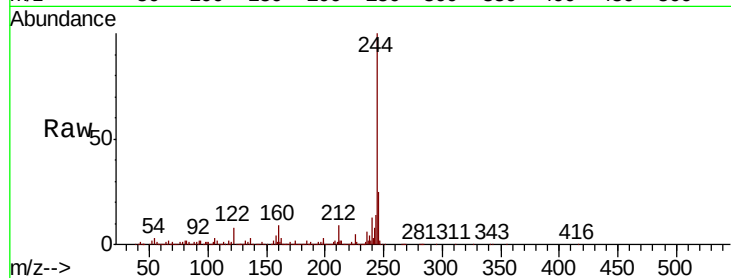
Tot Ion:244 Resp: 2241083

Ion Ratio Lower Upper

244 100

212 9.2 7.4 11.0

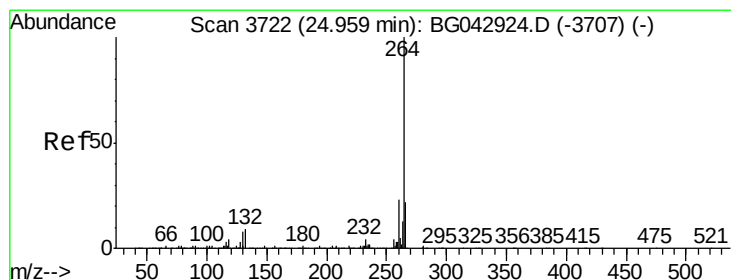
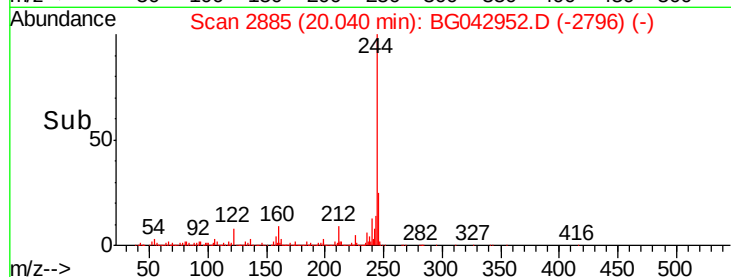
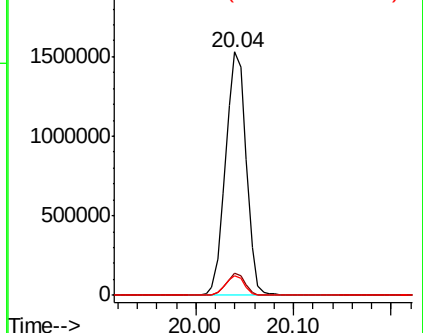
122 8.3 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.03 min

Lab File: BG042952.D

Acq: 30 Sep 2019 20:50

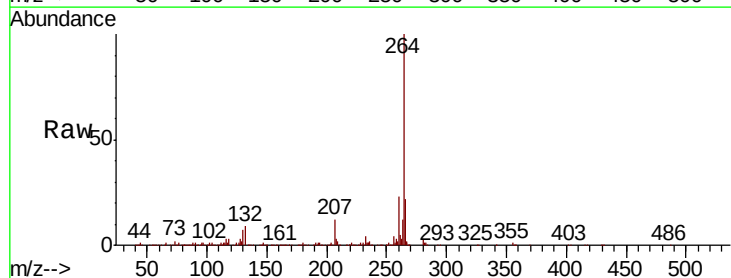
Tgt Ion:264 Resp: 587352

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.9 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

