

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100419\
 Data File : BG043037.D
 Acq On : 4 Oct 2019 20:50
 Operator : JU
 Sample : K5154-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 05 04:52:42 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

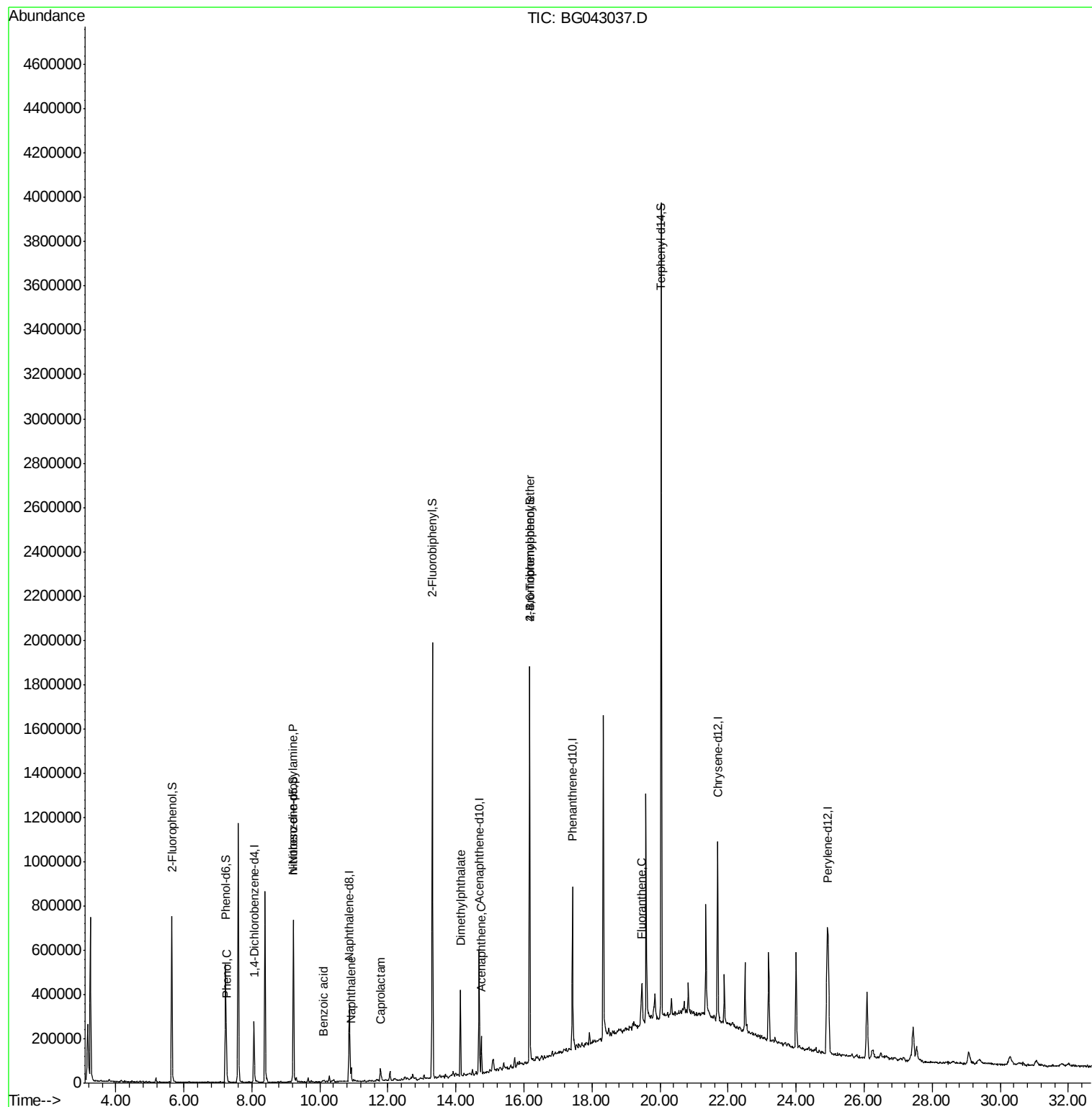
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	76430	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	298058	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	205570	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	457926	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	510447	20.00	ng	-0.02
87) Perylene-d12	24.91	264	601080	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	334833	78.18	ng	-0.01
7) Phenol-d6	7.23	99	321243	52.09	ng	-0.02
23) Nitrobenzene-d5	9.22	82	448794	73.19	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	410823	116.22	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1056574	74.51	ng	-0.02
79) Terphenyl-d14	20.04	244	1859315	77.62	ng	-0.01
Target Compounds						
10) Phenol	7.26	94	41545	7.342	ng	87
19) n-Nitroso-di-n-propylamine	9.22	70	63733	15.738	ng	# 72
31) Naphthalene	10.91	128	47453	3.234	ng	97
32) Benzoic acid	10.09	122	894	3.127	ng	88
35) Caprolactam	11.79	113	11733	6.996	ng	92
50) Dimethylphthalate	14.13	163	253688	16.470	ng	# 99
52) Acenaphthene	14.74	154	65970	5.511	ng	98
67) 4-Bromophenyl-phenylether	16.17	248	26853	4.672	ng	# 1
75) Fluoranthene	19.47	202	76012	2.571	ng	100

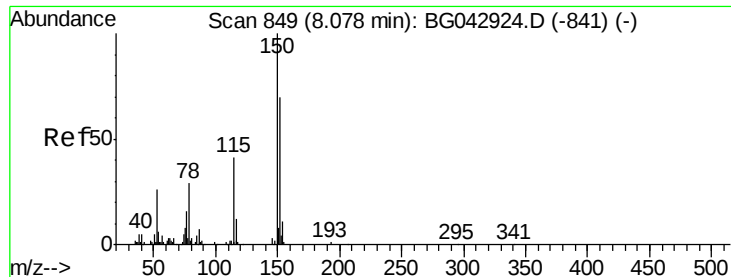
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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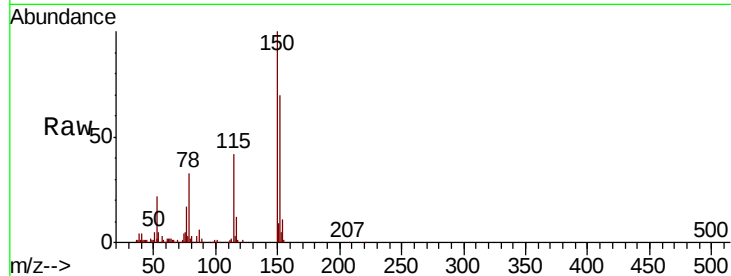


#1

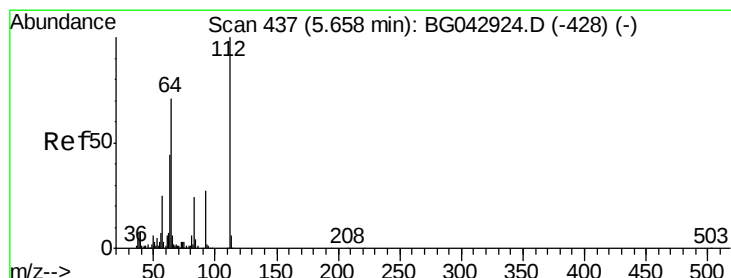
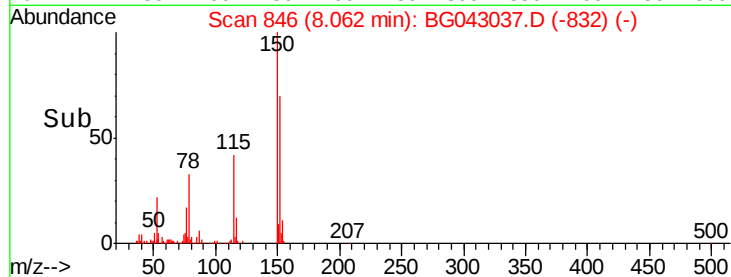
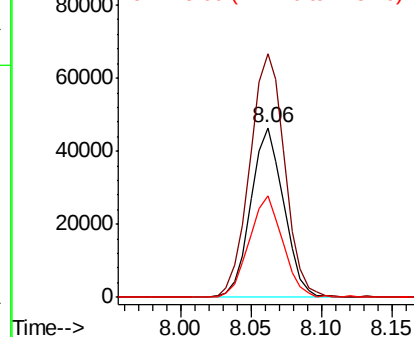
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043037.D
Acq: 4 Oct 2019 20:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 76430
Ion Ratio Lower Upper
152 100
150 143.6 115.0 172.4
115 60.1 47.0 70.6



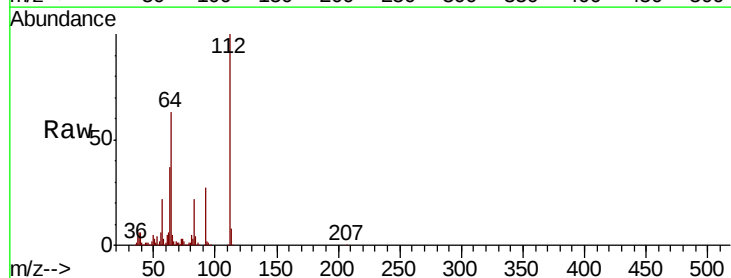
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



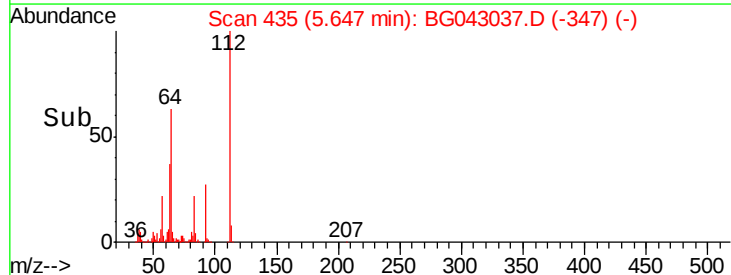
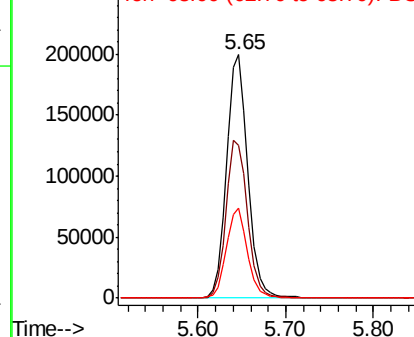
#5

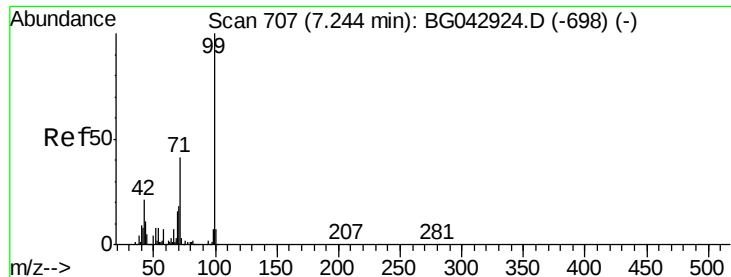
2-Fluorophenol
Concen: 78.183 ng
RT: 5.65 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG043037.D
Acq: 4 Oct 2019 20:50

Tgt Ion:112 Resp: 334833
Ion Ratio Lower Upper
112 100
64 62.6 56.6 84.8
63 36.8 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: 52.088 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.02 min

Lab File: BG043037.D

Acq: 4 Oct 2019 20:50

Instrument :

BNA_G

ClientSampled :

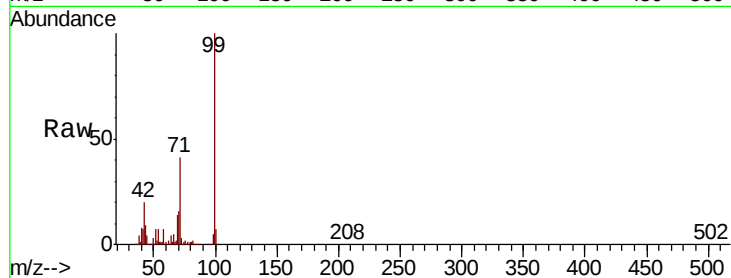
Tot Ion: 99 Resp: 321243

Ion Ratio Lower Upper

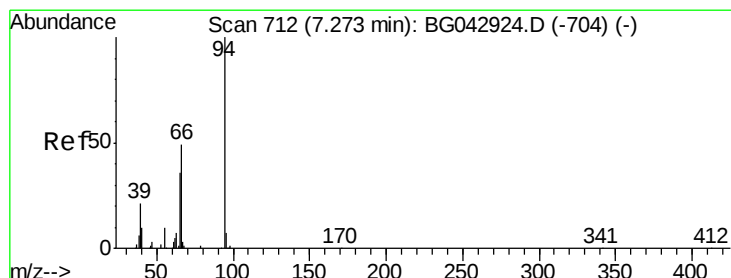
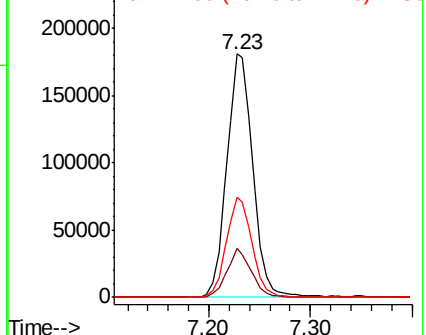
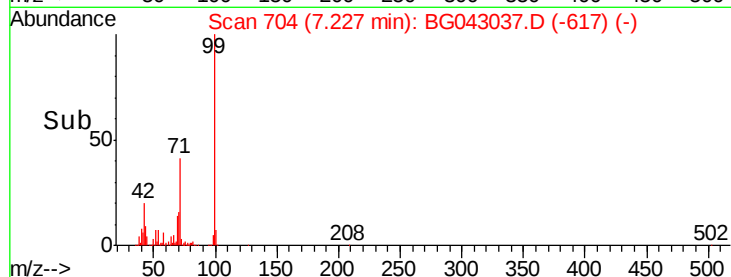
99 100

42 20.1 17.2 25.8

71 41.2 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: 7.342 ng

RT: 7.26 min Scan# 709

Delta R.T. -0.02 min

Lab File: BG043037.D

Acq: 4 Oct 2019 20:50

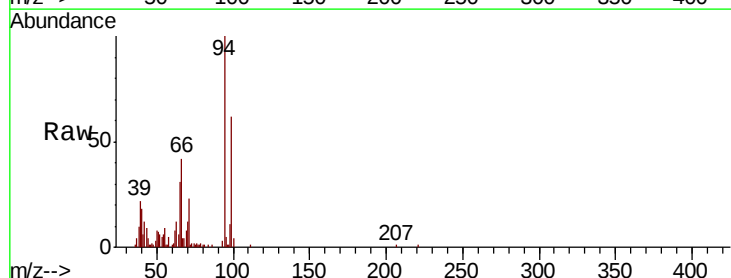
Tgt Ion: 94 Resp: 41545

Ion Ratio Lower Upper

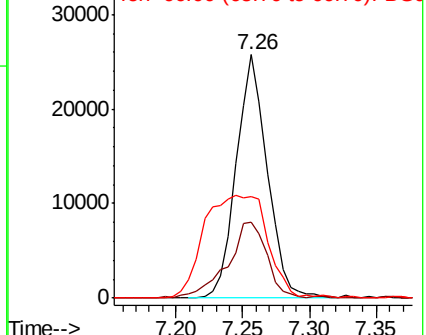
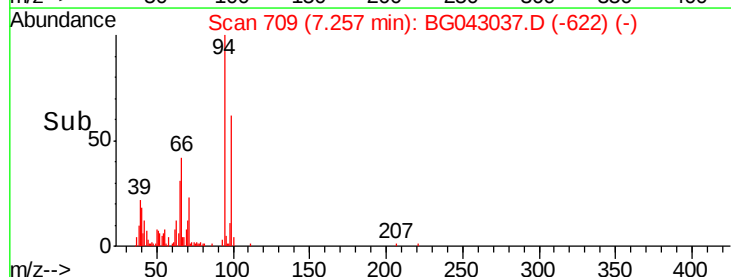
94 100

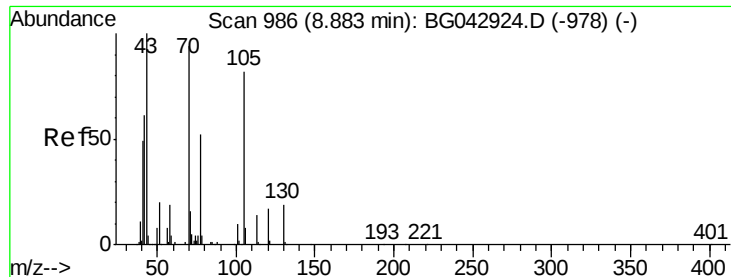
65 31.2 16.6 56.6

66 41.6 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

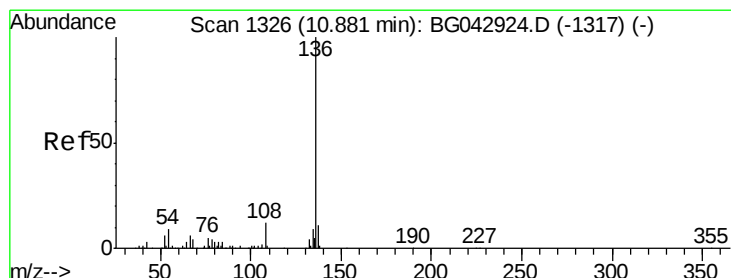
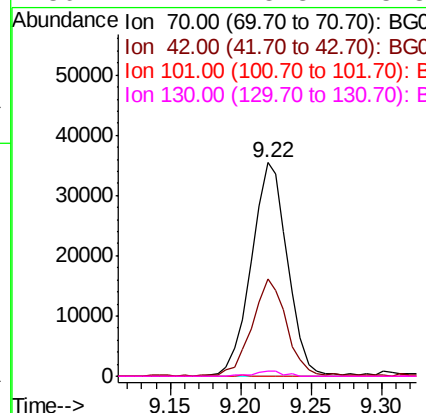
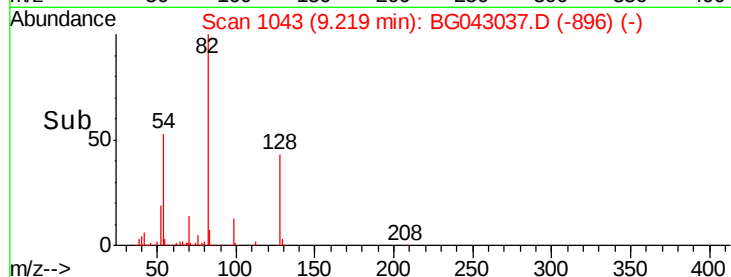
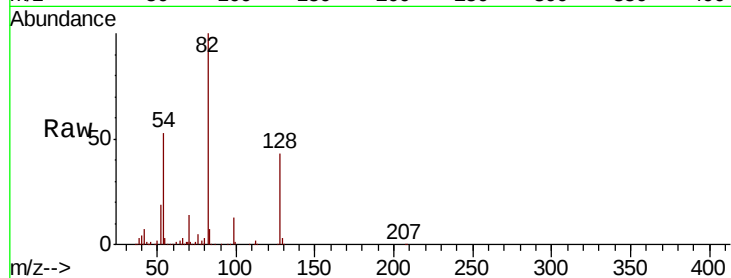




#19
n-Nitroso-di-n-propylamine
Concen: 15.738 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.34 min
Lab File: BG043037.D
Acq: 4 Oct 2019 20:50

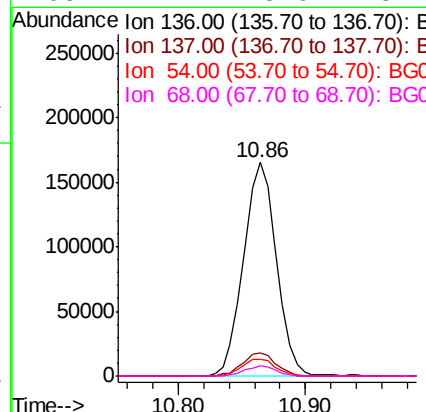
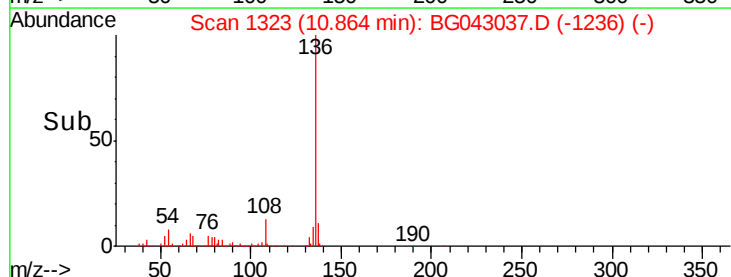
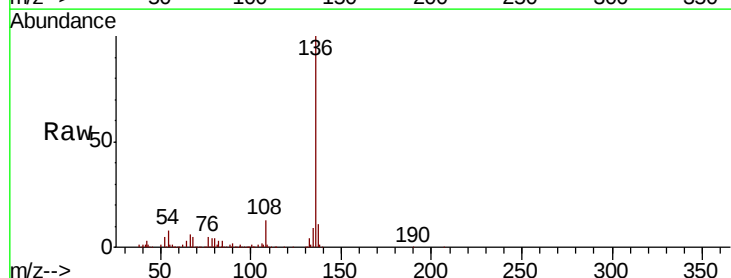
Instrument :
BNA_G
ClientSampled :

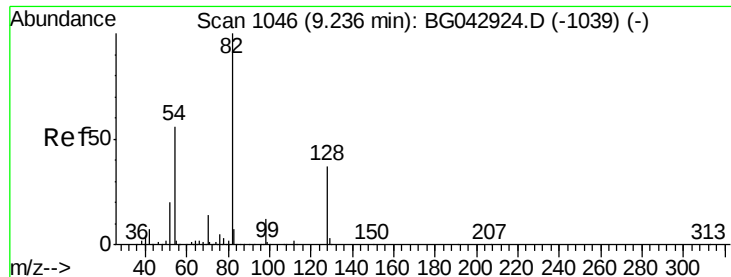
Tot Ion: 70 Resp: 63733
Ion Ratio Lower Upper
70 100
42 45.7 52.6 79.0#
101 0.0 8.7 13.1#
130 2.4 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043037.D
Acq: 4 Oct 2019 20:50

Tgt Ion: 136 Resp: 298058
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 8.0 7.4 11.2
68 4.7 3.6 5.4

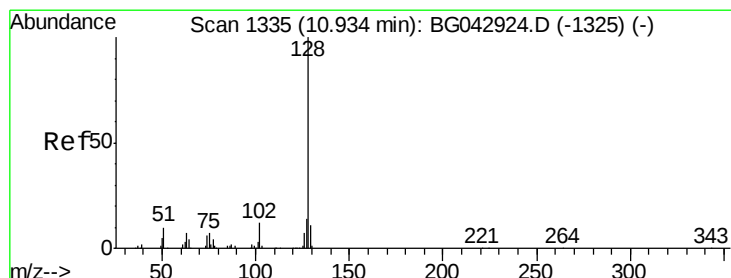
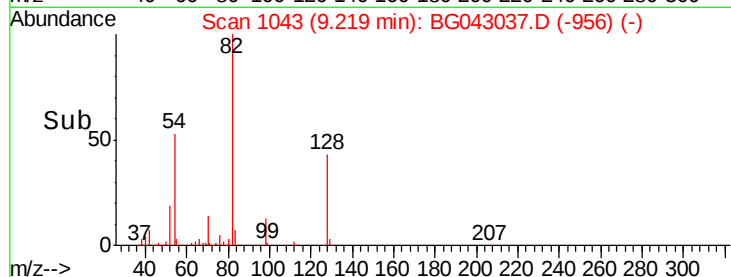
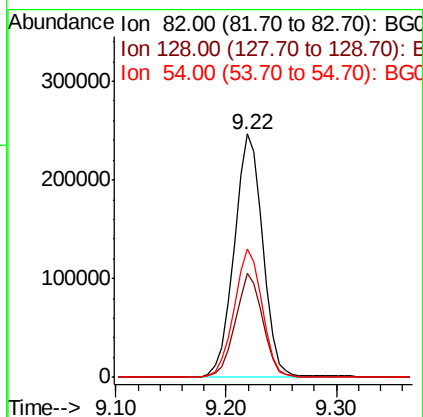
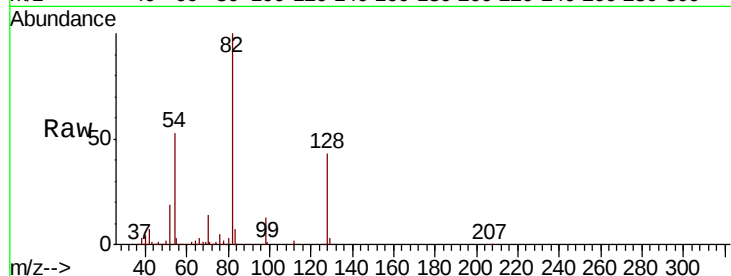




#23
Nitrobenzene-d5
Concen: 73.186 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG043037.D
Acq: 4 Oct 2019 20:50

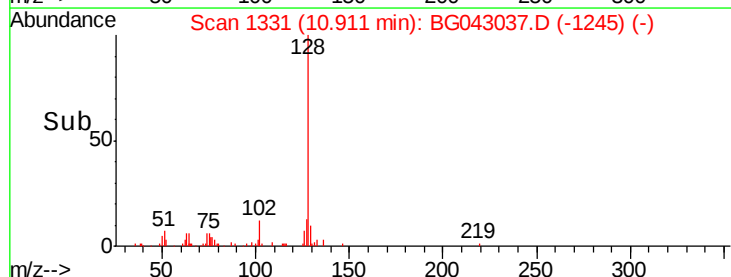
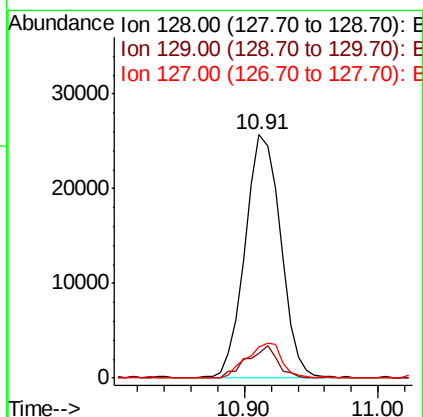
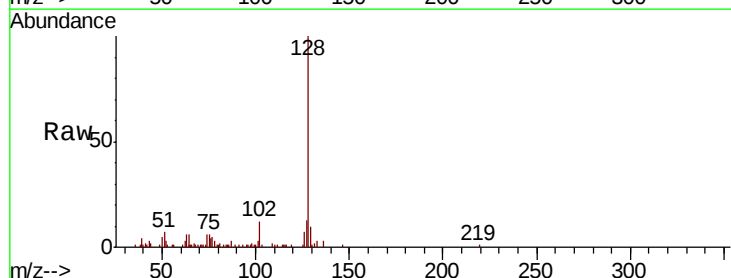
Instrument :
BNA_G
ClientSampleId :

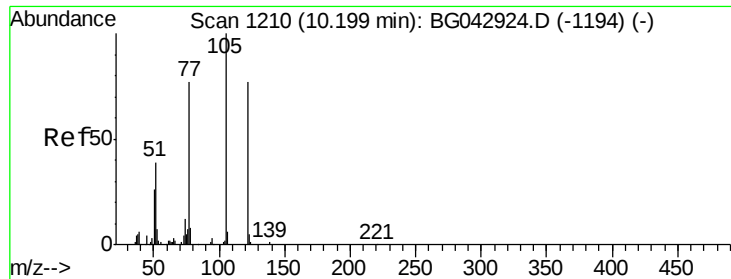
Tot Ion	82.00	Resp	448794
Ion Ratio	Lower	Upper	
82	100		
128	42.5	29.5	44.3
54	52.8	44.6	67.0



#31
Naphthalene
Concen: 3.234 ng
RT: 10.91 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BG043037.D
Acq: 4 Oct 2019 20:50

Tgt Ion	128.00	Resp	47453
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.8	13.2
127	12.6	11.3	16.9

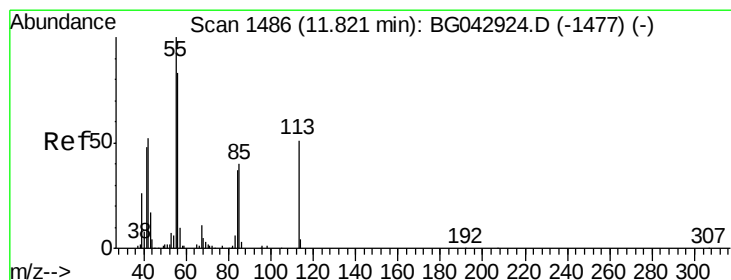
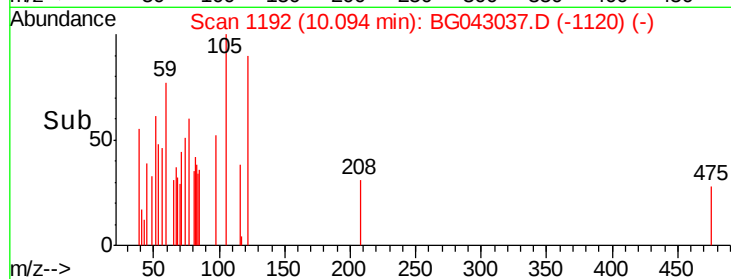
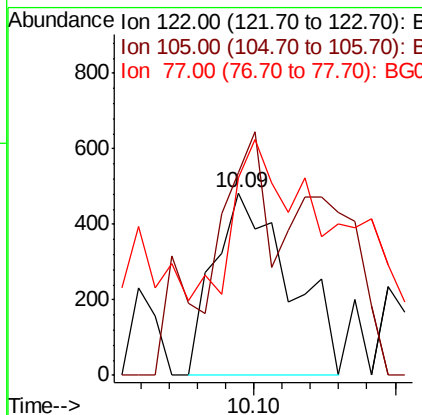
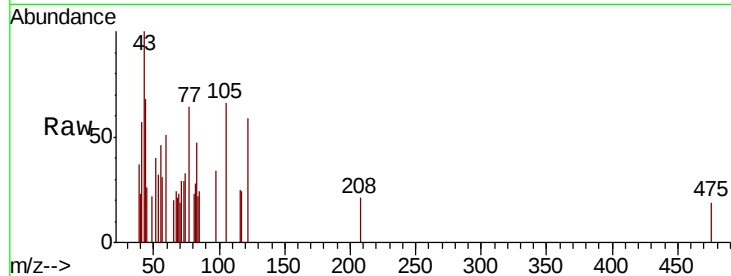




#32
Benzoic acid
Concen: 3.127 ng
RT: 10.09 min Scan# 1192
Delta R.T. -0.10 min
Lab File: BG043037.D
Acq: 4 Oct 2019 20:50

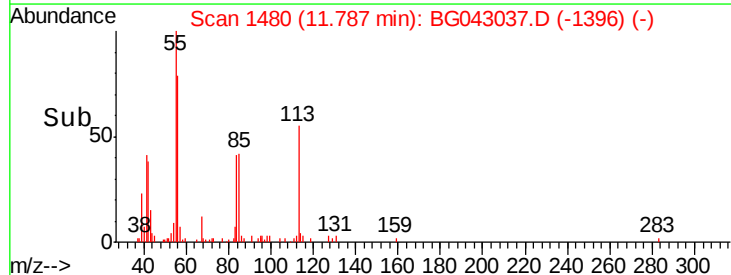
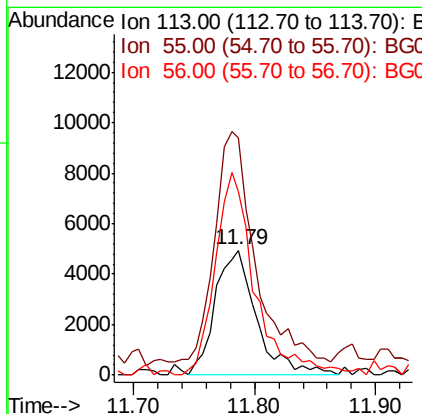
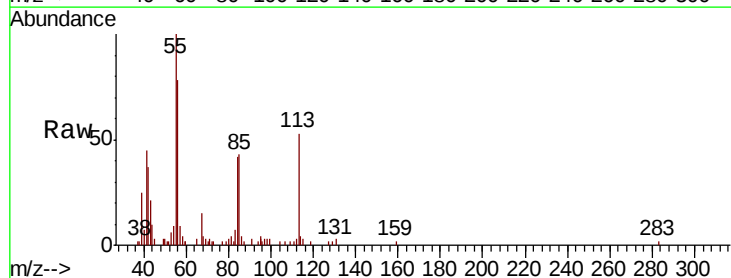
Instrument :
BNA_G
ClientSampled :

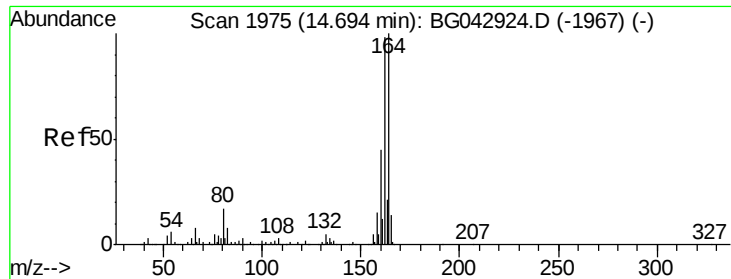
Tot Ion:122 Resp: 894
Ion Ratio Lower Upper
122 100
105 111.0 107.5 147.5
77 108.1 79.8 119.8



#35
Caprolactam
Concen: 6.996 ng
RT: 11.79 min Scan# 1480
Delta R.T. -0.03 min
Lab File: BG043037.D
Acq: 4 Oct 2019 20:50

Tgt Ion:113 Resp: 11733
Ion Ratio Lower Upper
113 100
55 189.2 175.5 215.5
56 146.8 142.3 182.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043037.D

Acq: 4 Oct 2019 20:50

Instrument :

BNA_G

ClientSampleId :

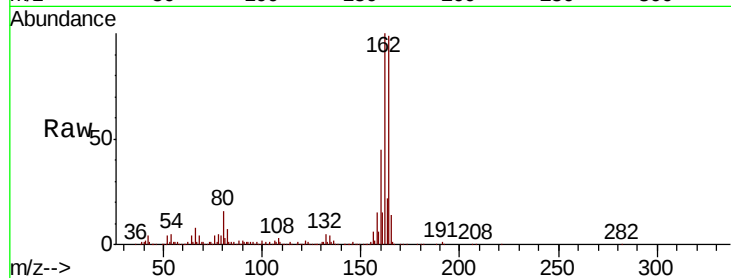
Tot Ion:164 Resp: 205570

Ion Ratio Lower Upper

164 100

162 101.0 78.5 117.7

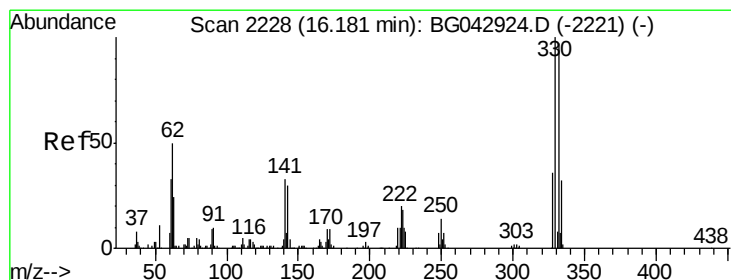
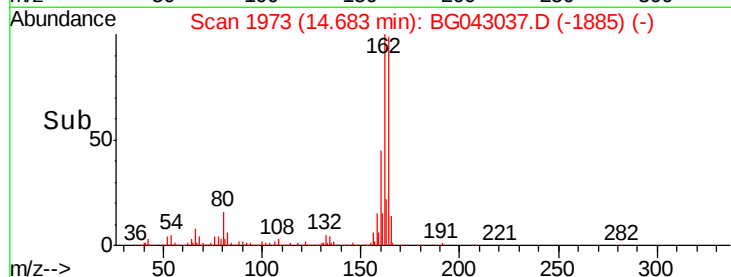
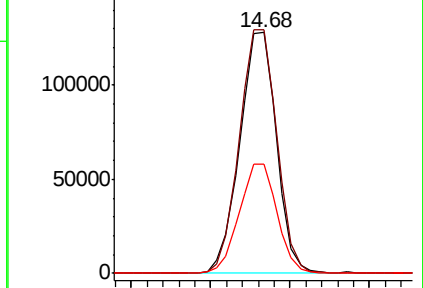
160 45.5 35.9 53.9



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: 116.219 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043037.D

Acq: 4 Oct 2019 20:50

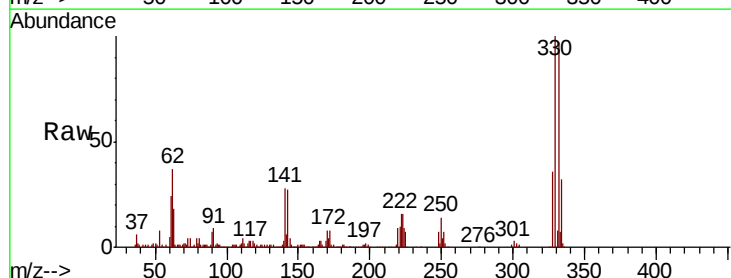
Tgt Ion:330 Resp: 410823

Ion Ratio Lower Upper

330 100

332 95.4 78.2 117.2

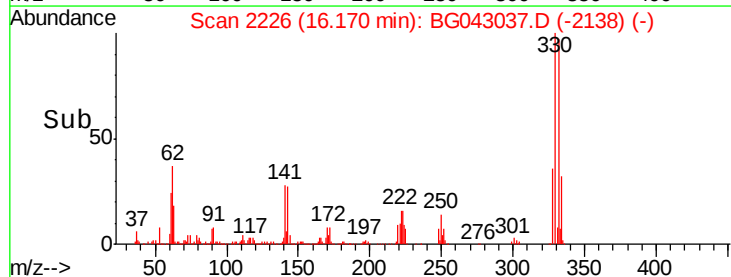
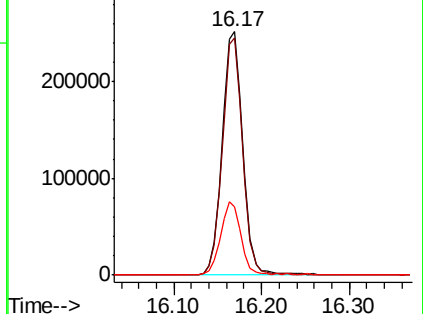
141 29.4 26.0 39.0

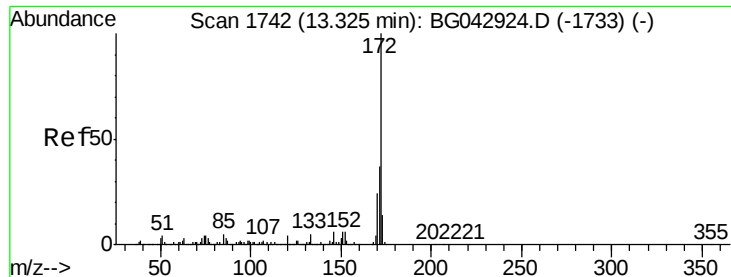


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



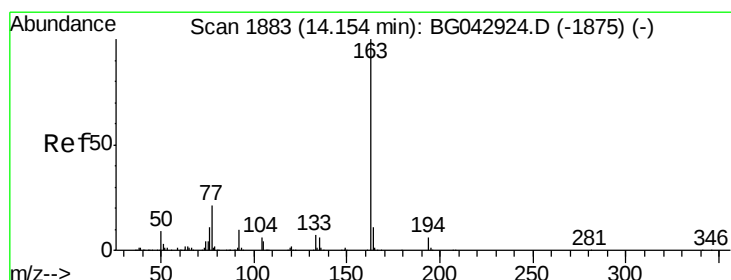
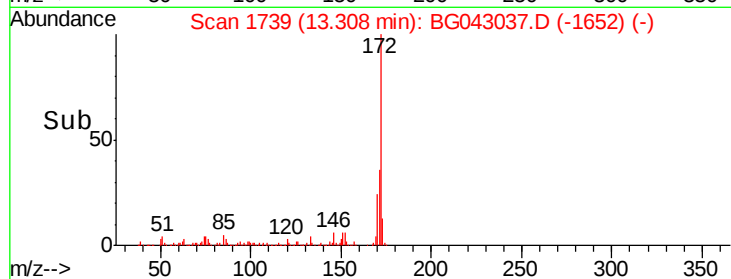
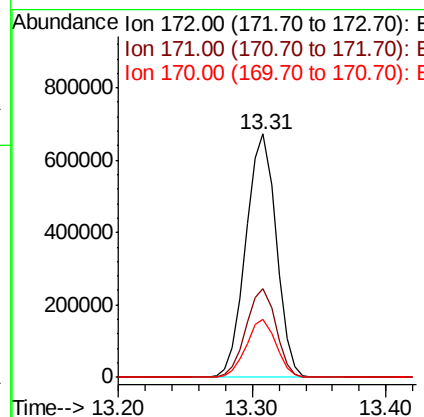
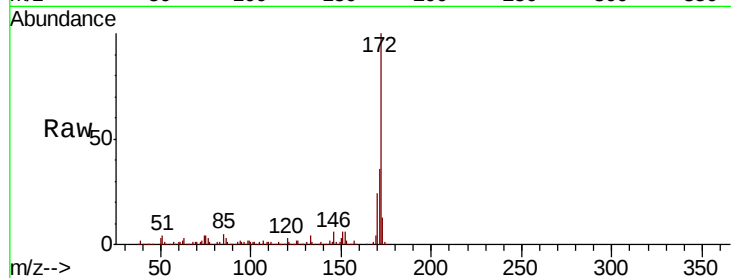


#45
 2-Fluorobiphenyl
 Concen: 74.511 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.02 min
 Lab File: BG043037.D
 Acq: 4 Oct 2019 20:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1056574

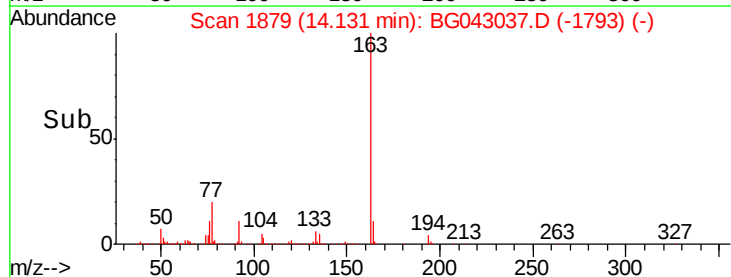
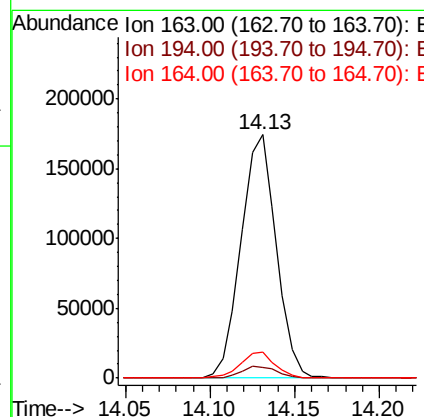
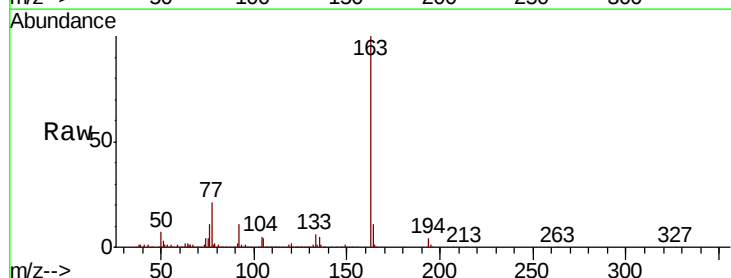
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.7	19.6	29.4

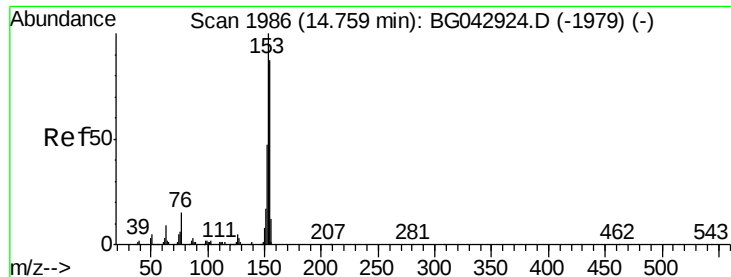


#50
 Dimethylphthalate
 Concen: 16.470 ng
 RT: 14.13 min Scan# 1879
 Delta R.T. -0.02 min
 Lab File: BG043037.D
 Acq: 4 Oct 2019 20:50

Tgt Ion:163 Resp: 253688

Ion	Ratio	Lower	Upper
163	100		
194	4.4	4.4	6.6#
164	10.6	8.6	12.8





#52

Acenaphthene

Concen: 5.511 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG043037.D

Acq: 4 Oct 2019 20:50

Instrument :

BNA_G

ClientSampleId :

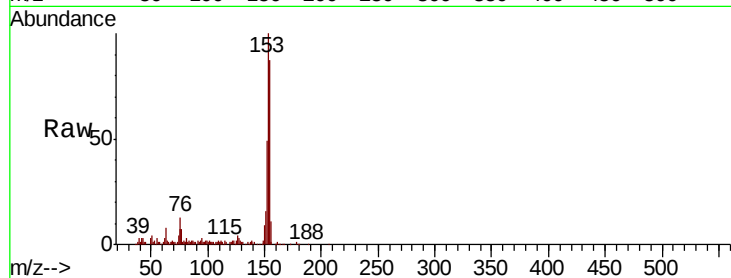
Tot Ion:154 Resp: 65970

Ion Ratio Lower Upper

154 100

153 115.3 91.4 137.0

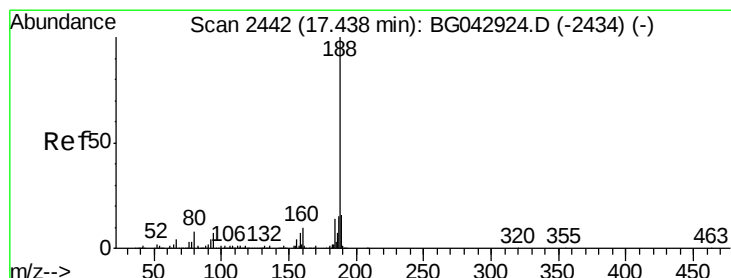
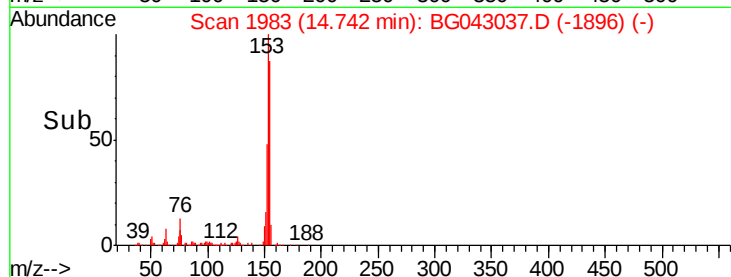
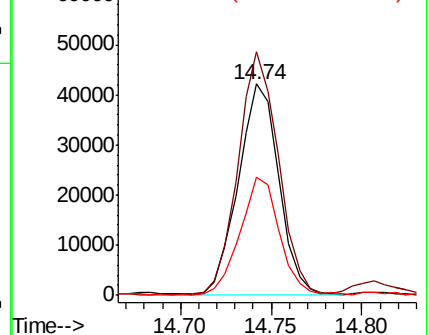
152 56.0 42.8 64.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BG043037.D

Acq: 4 Oct 2019 20:50

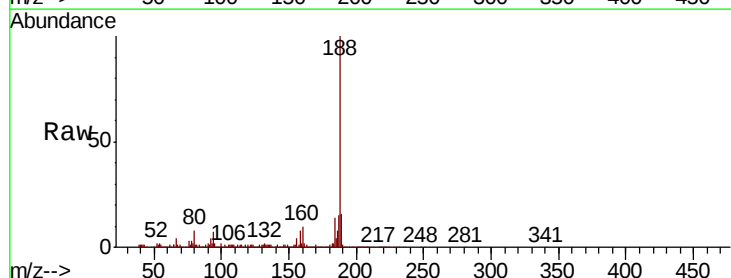
Tgt Ion:188 Resp: 457926

Ion Ratio Lower Upper

188 100

94 6.7 5.7 8.5

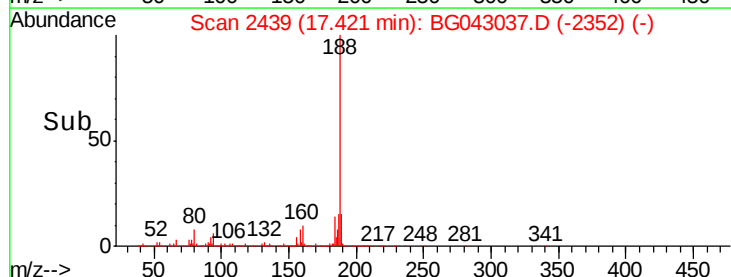
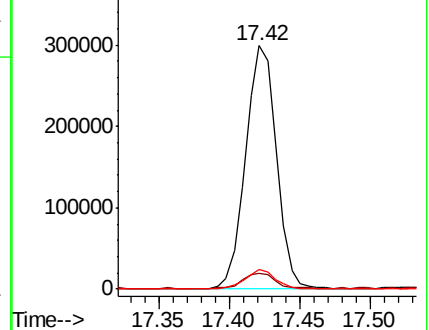
80 7.9 6.5 9.7

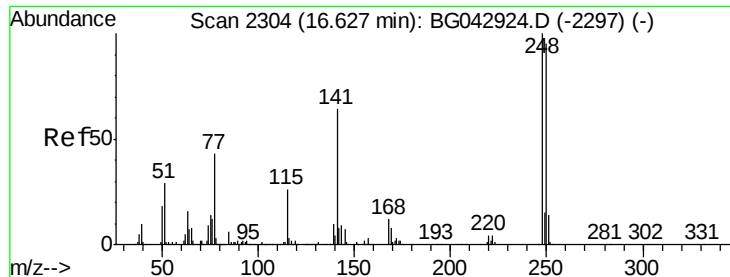


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

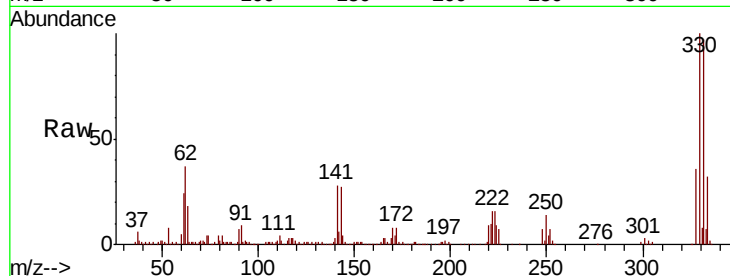




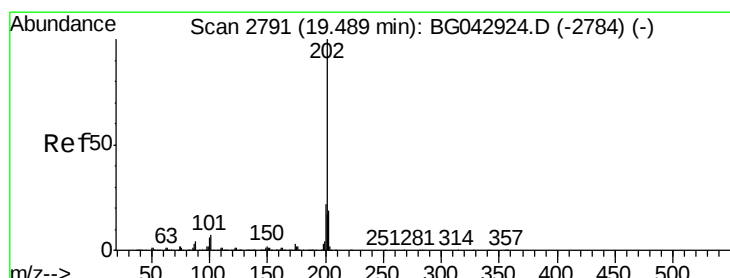
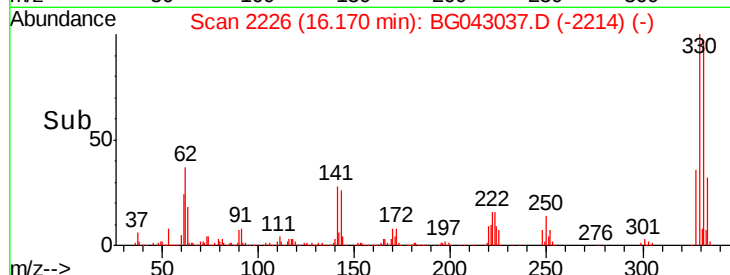
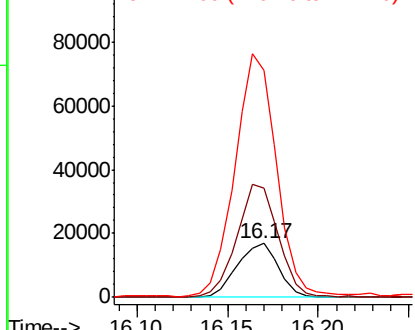
#67
 4-Bromophenyl-phenylether
 Concen: 4.672 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG043037.D
 Acq: 4 Oct 2019 20:50

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 26853
 Ion Ratio Lower Upper
 248 100
 250 203.3 75.8 113.8#
 141 421.2 51.1 76.7#

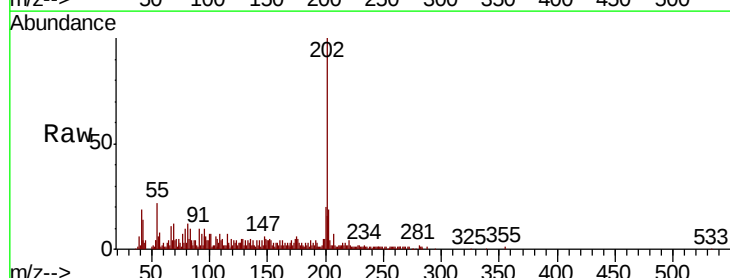


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

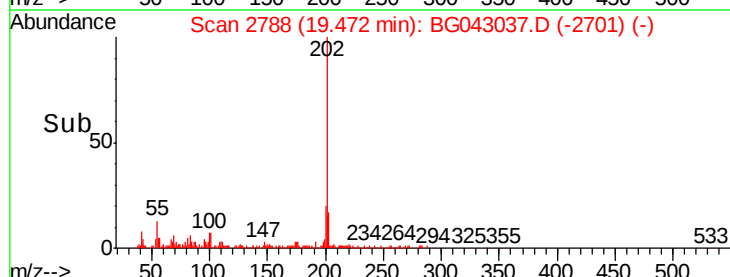
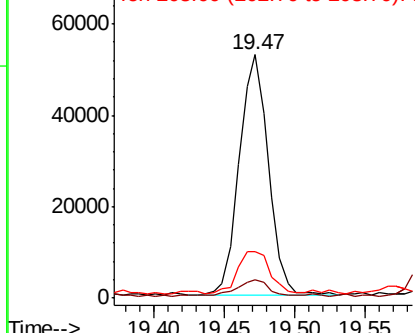


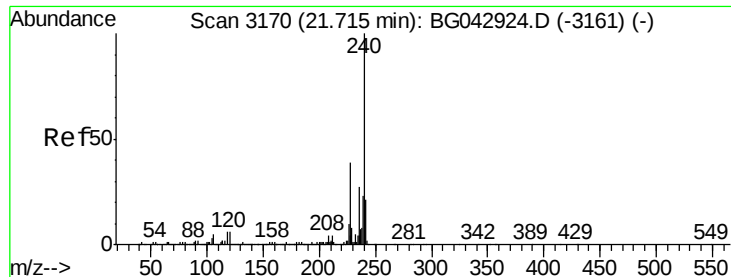
#75
 Fluoranthene
 Concen: 2.571 ng
 RT: 19.47 min Scan# 2788
 Delta R.T. -0.02 min
 Lab File: BG043037.D
 Acq: 4 Oct 2019 20:50

Tgt Ion:202 Resp: 76012
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 27.3
 203 19.2 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

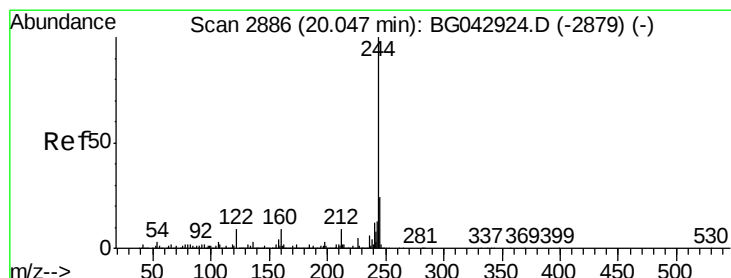
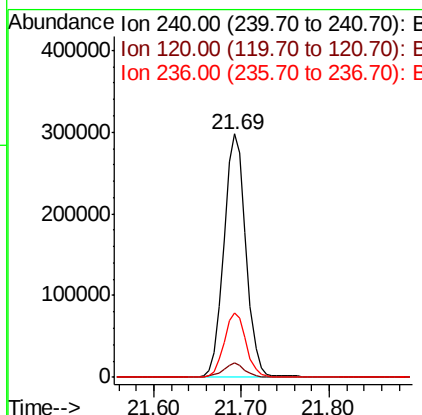
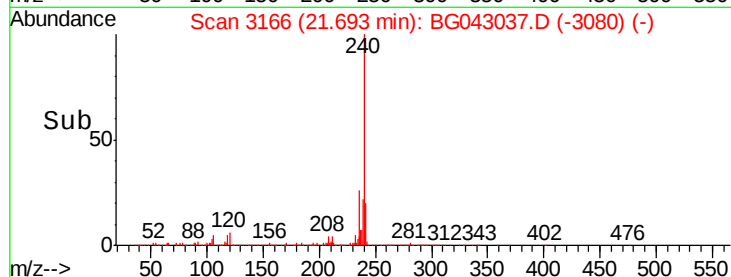
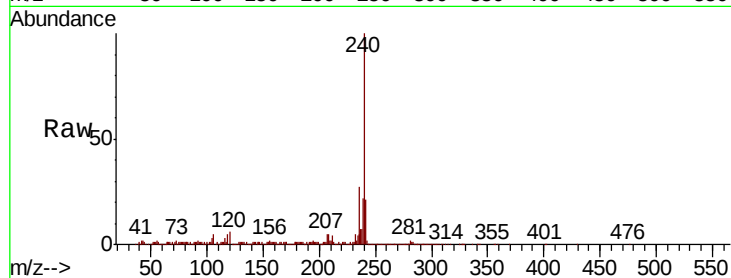




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.02 min
Lab File: BG043037.D
Acq: 4 Oct 2019 20:50

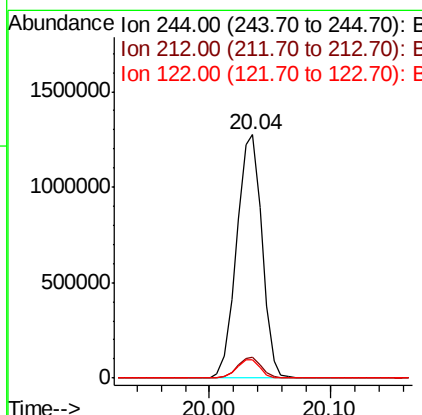
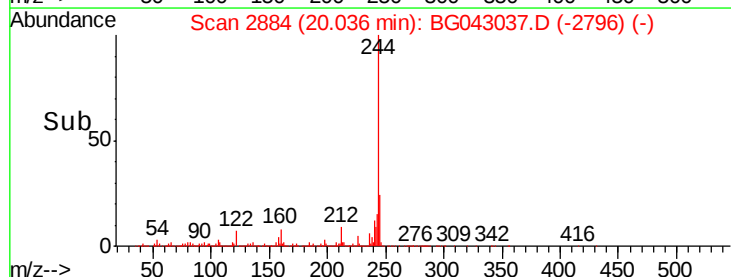
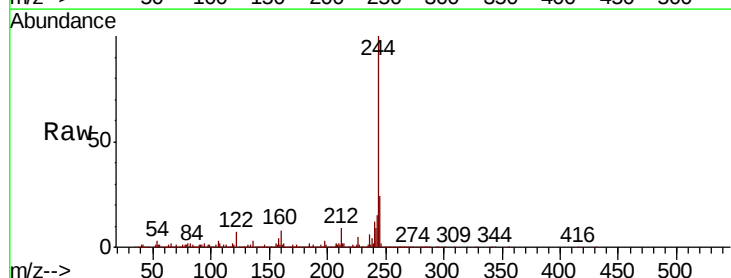
Instrument :
BNA_G
ClientSampleId :

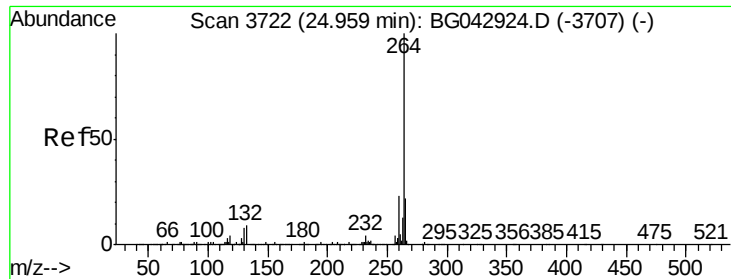
Tot Ion:240 Resp: 510447
Ion Ratio Lower Upper
240 100
120 5.9 4.8 7.2
236 26.6 21.4 32.0



#79
Terphenyl-d14
Concen: 77.618 ng
RT: 20.04 min Scan# 2884
Delta R.T. -0.01 min
Lab File: BG043037.D
Acq: 4 Oct 2019 20:50

Tgt Ion:244 Resp: 1859315
Ion Ratio Lower Upper
244 100
212 8.7 7.4 11.0
122 7.4 7.0 10.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3714
 Delta R.T. -0.05 min
 Lab File: BG043037.D
 Acq: 4 Oct 2019 20:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.5	17.7	26.5

