

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100419\
 Data File : BG043041.D
 Acq On : 4 Oct 2019 23:23
 Operator : JU
 Sample : K5154-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 05 04:53:58 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	76146	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	286618	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	205730	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	470328	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	519933	20.00	ng	-0.02
87) Perylene-d12	24.91	264	604630	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	333328	78.12	ng	-0.01
7) Phenol-d6	7.23	99	317190	51.62	ng	-0.01
23) Nitrobenzene-d5	9.22	82	431285	73.14	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	411832	116.41	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1012441	71.34	ng	-0.02
79) Terphenyl-d14	20.04	244	1949858	79.91	ng	-0.01

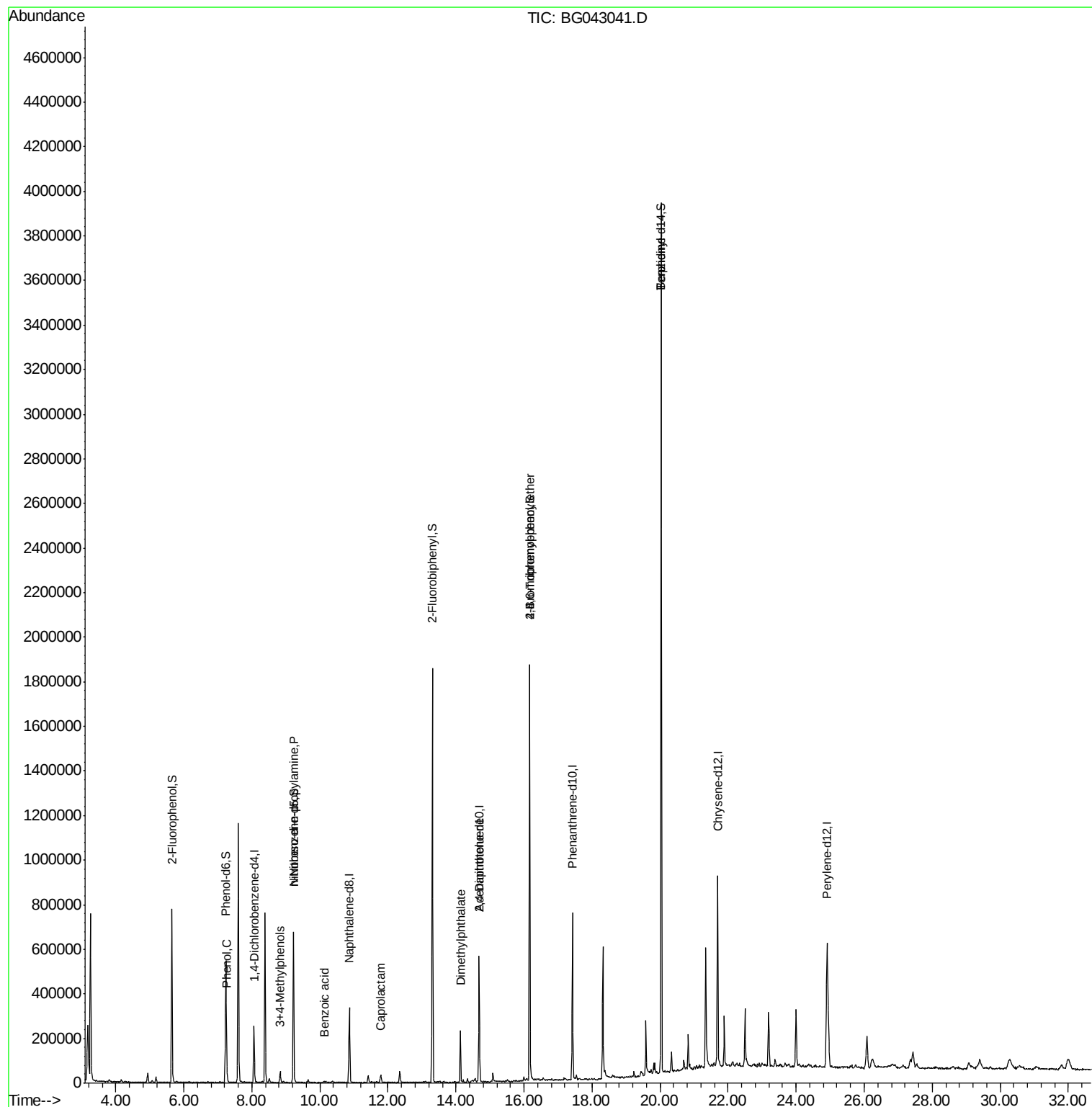
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.26	94	43050	7.637	ng	100
19) n-Nitroso-di-n-propylamine	9.22	70	59741	14.807	ng	# 70
20) 3+4-Methylphenols	8.83	107	21973	4.065	ng	# 82
32) Benzoic acid	10.11	122	2472	3.741	ng	93
35) Caprolactam	11.79	113	7788	4.829	ng	# 63
50) Dimethylphthalate	14.13	163	156750	10.169	ng	96
57) 2,4-Dinitrotoluene	14.68	165	27844	5.792	ng	# 25
67) 4-Bromophenyl-phenylether	16.16	248	27577	4.672	ng	# 1
77) Benzidine	20.03	184	31778	2.441	ng	# 92

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

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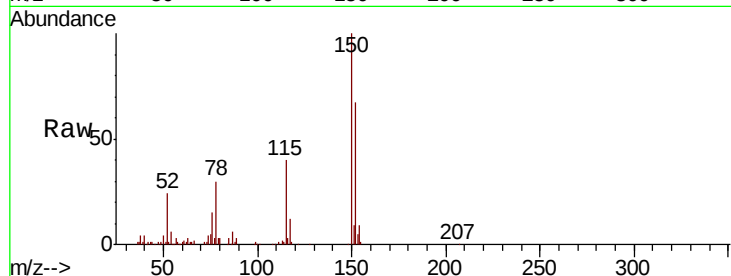


#1

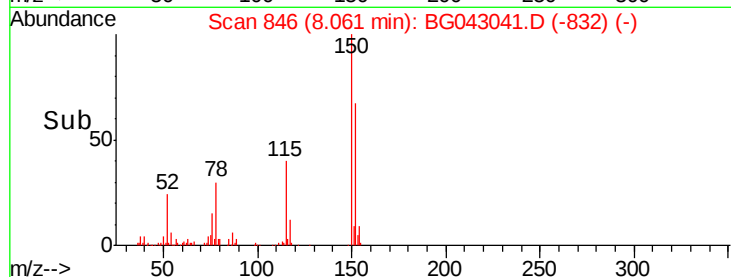
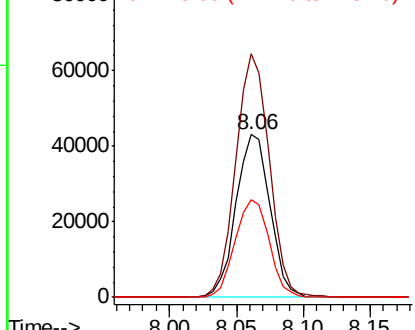
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 76146
Ion Ratio Lower Upper
152 100
150 149.9 115.0 172.4
115 60.5 47.0 70.6



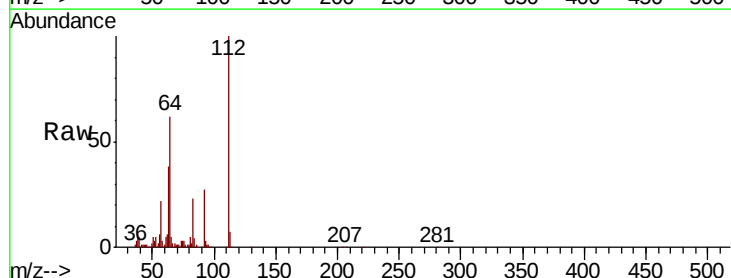
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



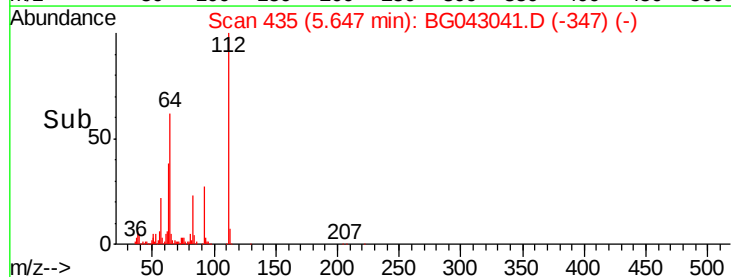
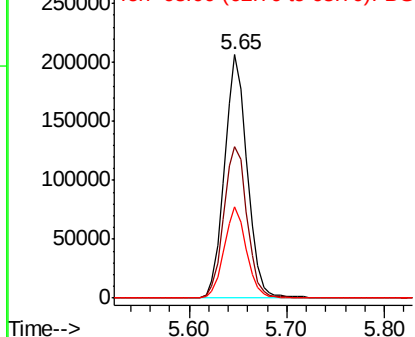
#5

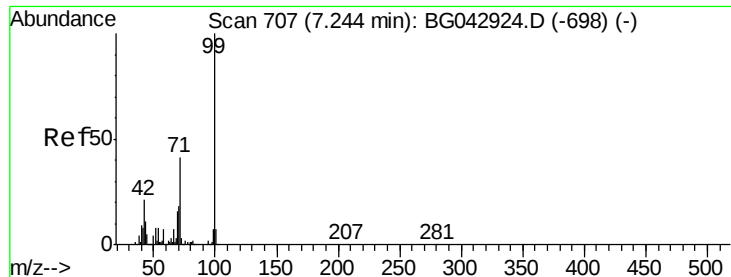
2-Fluorophenol
Concen: 78.122 ng
RT: 5.65 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

Tgt Ion:112 Resp: 333328
Ion Ratio Lower Upper
112 100
64 62.4 56.6 84.8
63 37.5 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: 51.622 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG043041.D

Acq: 4 Oct 2019 23:23

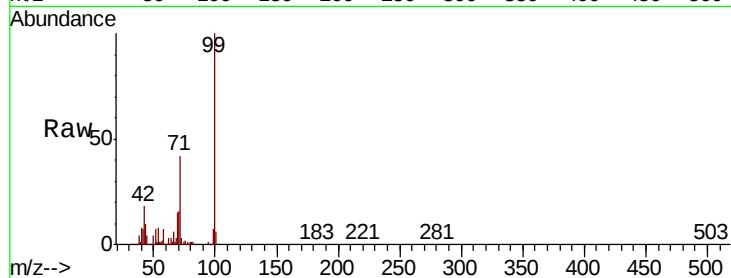
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 317190

Ion	Ratio	Lower	Upper
99	100		
42	18.1	17.2	25.8
71	41.9	33.1	49.7



Abundance

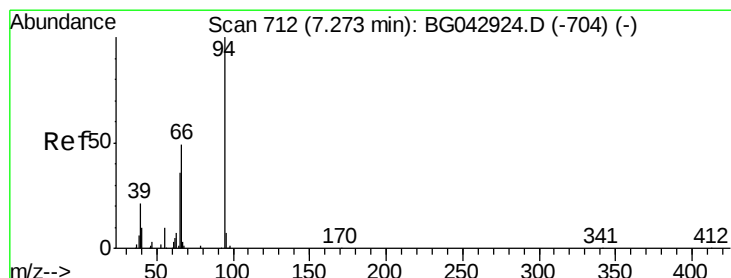
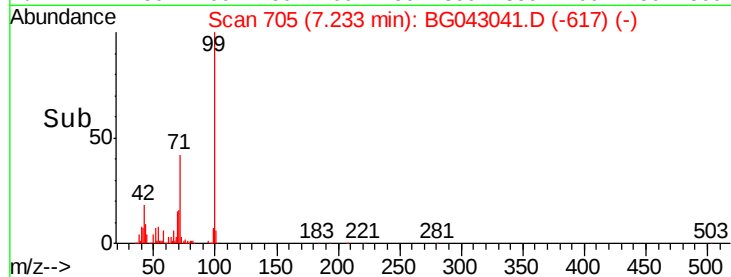
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

7.23

Time-->



#10

Phenol

Concen: 7.637 ng

RT: 7.26 min Scan# 709

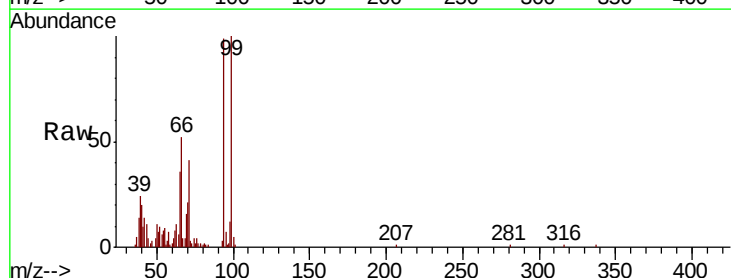
Delta R.T. -0.02 min

Lab File: BG043041.D

Acq: 4 Oct 2019 23:23

Tgt Ion: 94 Resp: 43050

Ion	Ratio	Lower	Upper
94	100		
65	36.7	16.6	56.6
66	52.8	32.4	72.4



Abundance

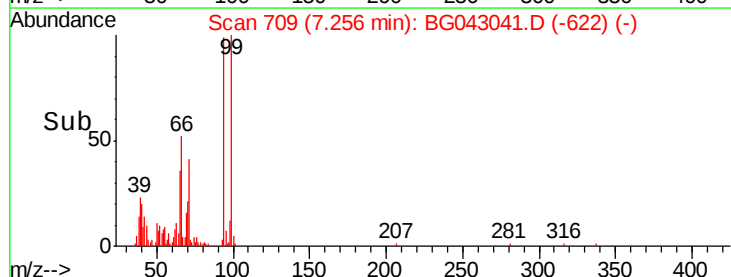
Ion 94.00 (93.70 to 94.70): BGC

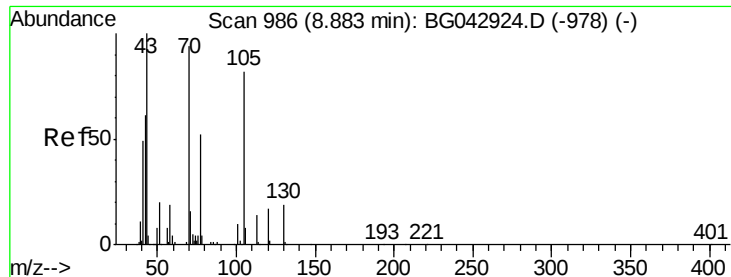
Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

7.26

Time-->

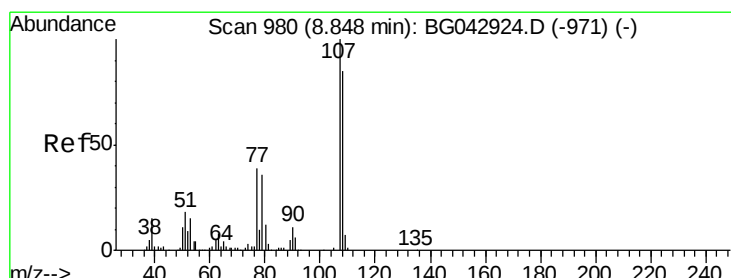
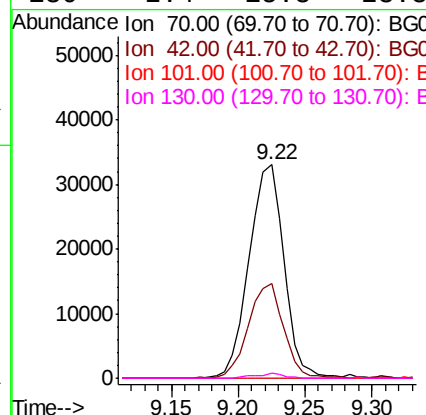
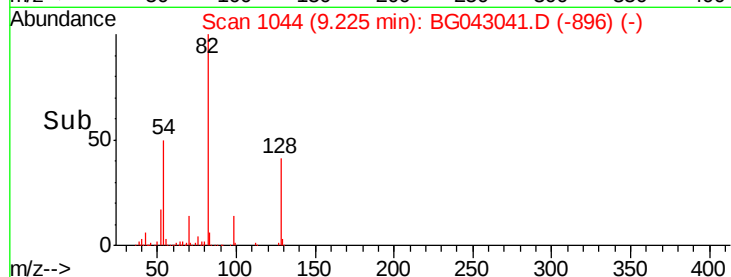
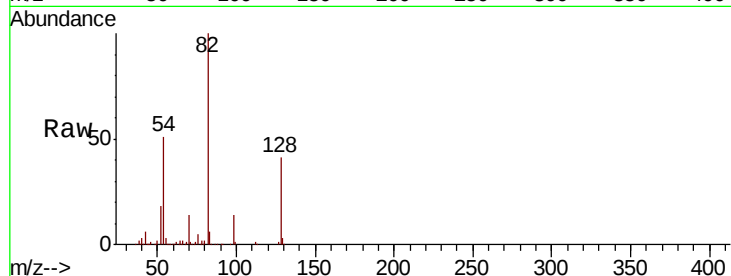




#19
n-Nitroso-di-n-propylamine
Concen: 14.807 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.34 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

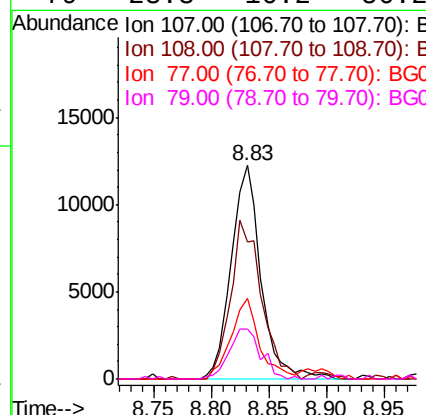
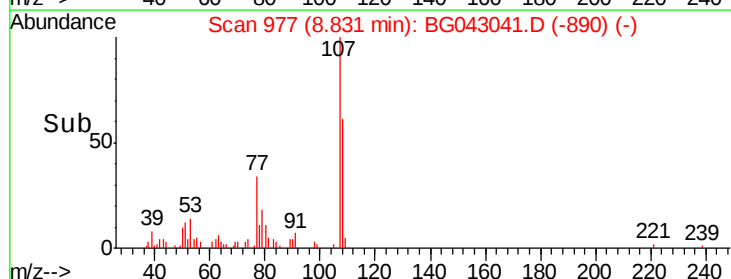
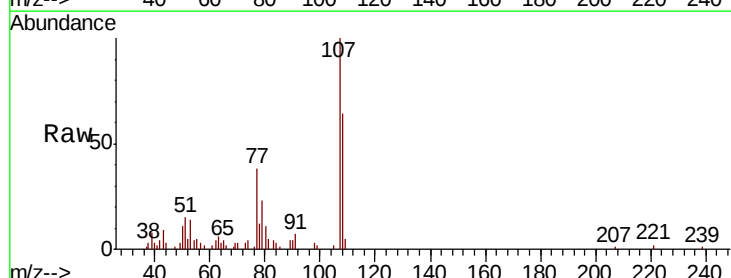
Instrument :
BNA_G
ClientSampleId :

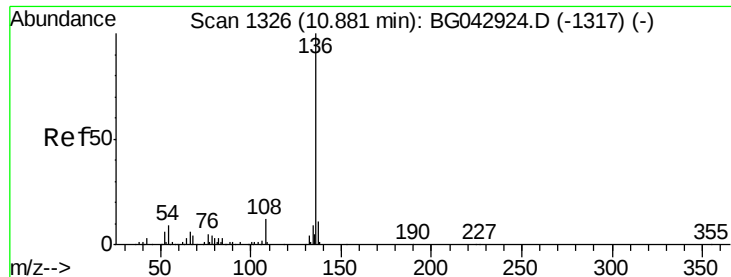
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.3	52.6	79.0#
101	0.0	8.7	13.1#
130	2.4	15.8	23.8#



#20
3+4-Methylphenols
Concen: 4.065 ng
RT: 8.83 min Scan# 977
Delta R.T. -0.02 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
107	100		
108	64.4	64.9	104.9#
77	37.5	19.4	59.4
79	23.3	16.2	56.2

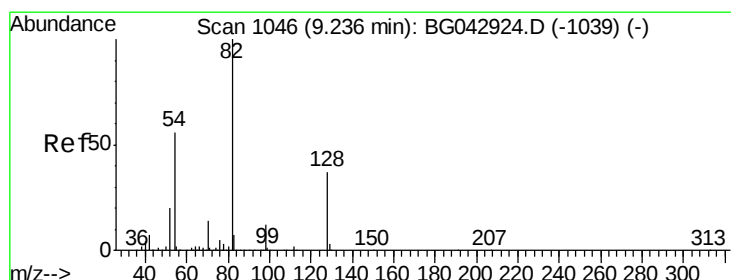
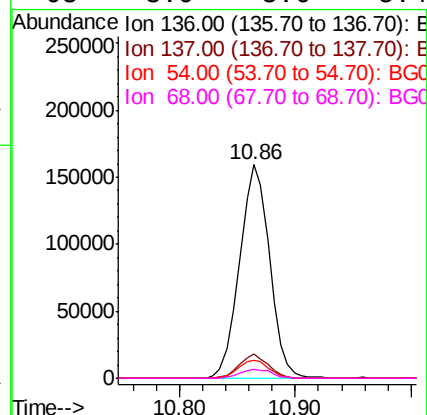
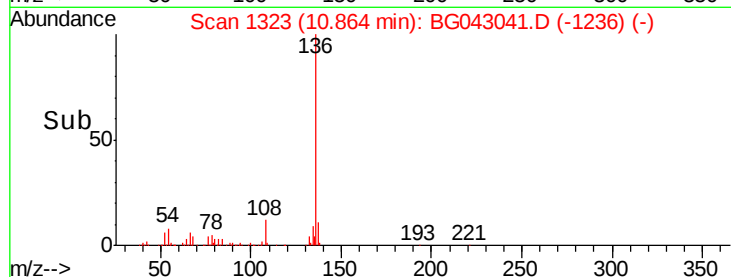
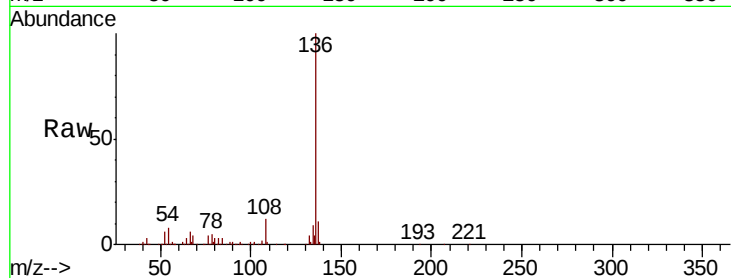




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

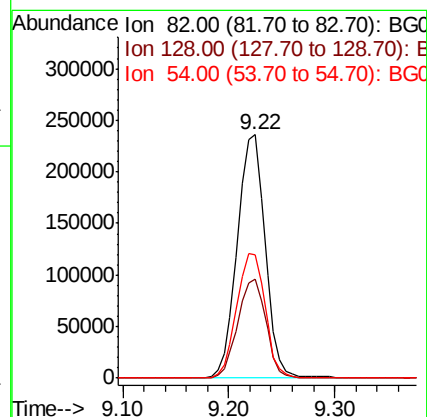
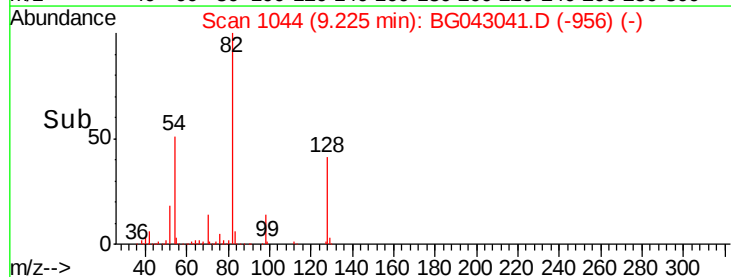
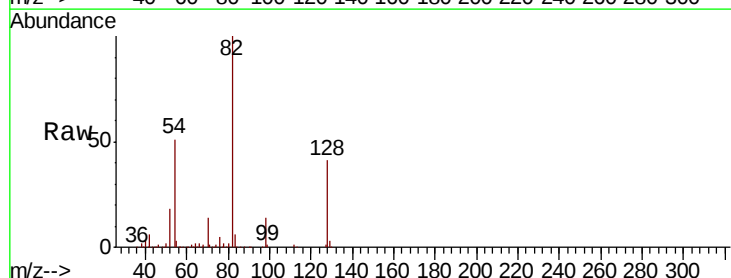
Instrument :
BNA_G
ClientSampleId :

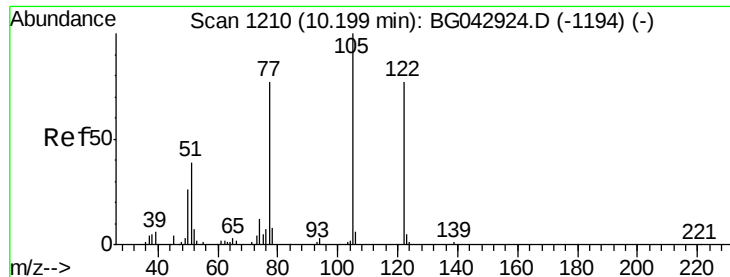
Tot Ion:136	Resp:	286618
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.5 12.7
54	8.1	7.4 11.2
68	3.9	3.6 5.4



#23
Nitrobenzene-d5
Concen: 73.138 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

Tgt Ion: 82	Resp:	431285
Ion	Ratio	Lower Upper
82	100	
128	40.7	29.5 44.3
54	50.5	44.6 67.0

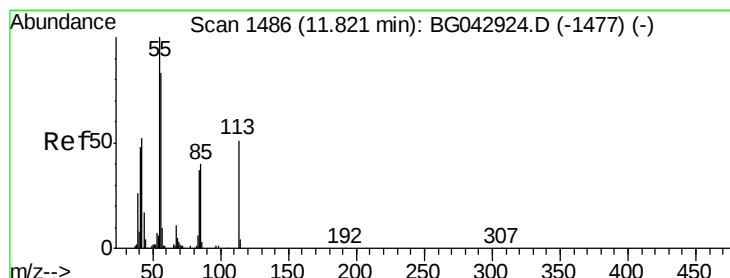
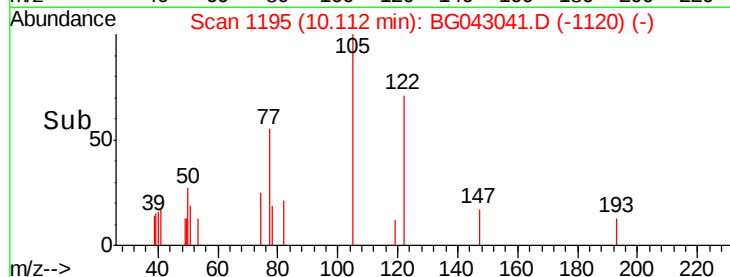
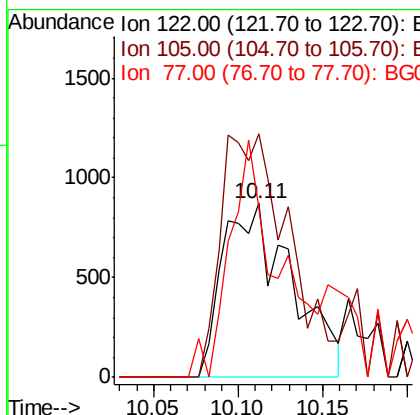
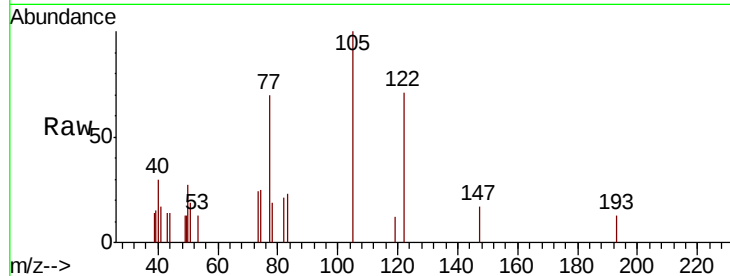




#32
Benzoic acid
Concen: 3.741 ng
RT: 10.11 min Scan# 1195
Delta R.T. -0.09 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

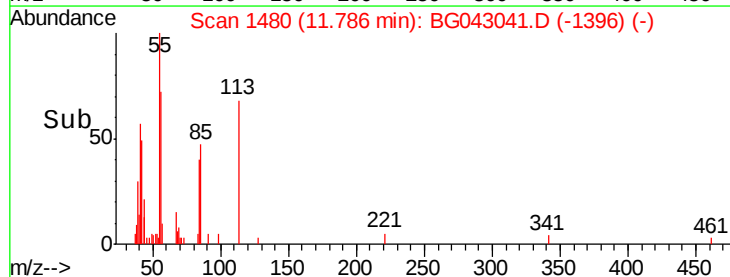
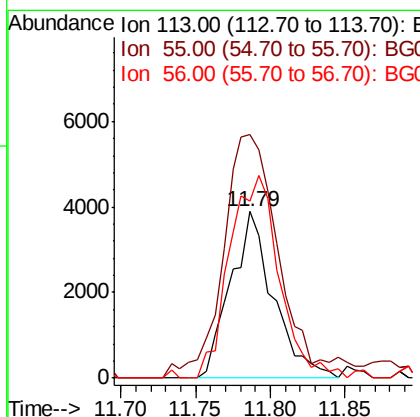
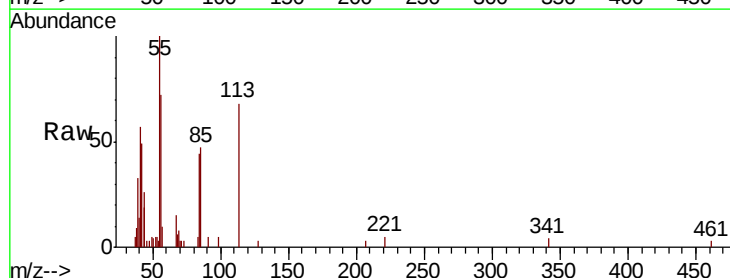
Instrument :
BNA_G
ClientSampleId :

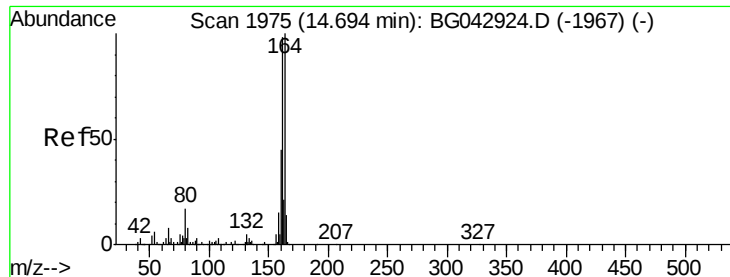
Tot Ion:122 Resp: 2472
Ion Ratio Lower Upper
122 100
105 139.9 107.5 147.5
77 97.5 79.8 119.8



#35
Caprolactam
Concen: 4.829 ng
RT: 11.79 min Scan# 1480
Delta R.T. -0.03 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

Tgt Ion:113 Resp: 7788
Ion Ratio Lower Upper
113 100
55 146.3 175.5 215.5#
56 106.0 142.3 182.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.02 min

Lab File: BG043041.D

Acq: 4 Oct 2019 23:23

Instrument :

BNA_G

ClientSampleId :

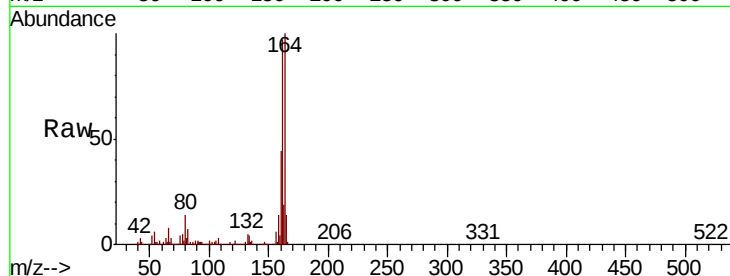
Tot Ion:164 Resp: 205730

Ion Ratio Lower Upper

164 100

162 96.9 78.5 117.7

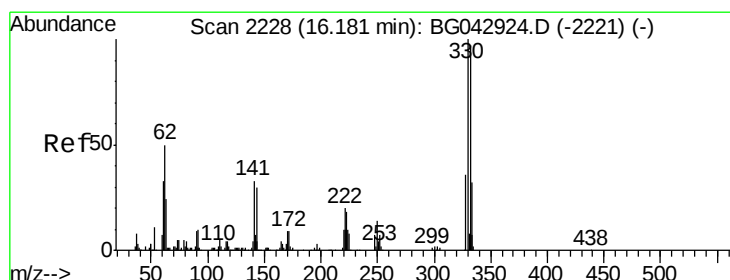
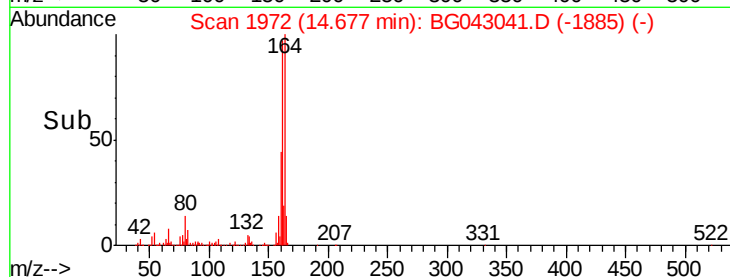
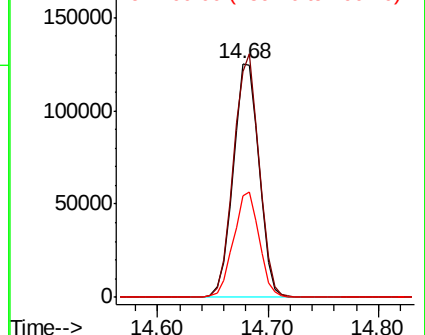
160 43.7 35.9 53.9



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: 116.414 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043041.D

Acq: 4 Oct 2019 23:23

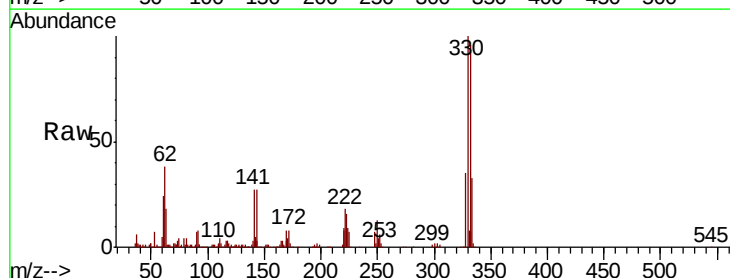
Tgt Ion:330 Resp: 411832

Ion Ratio Lower Upper

330 100

332 96.8 78.2 117.2

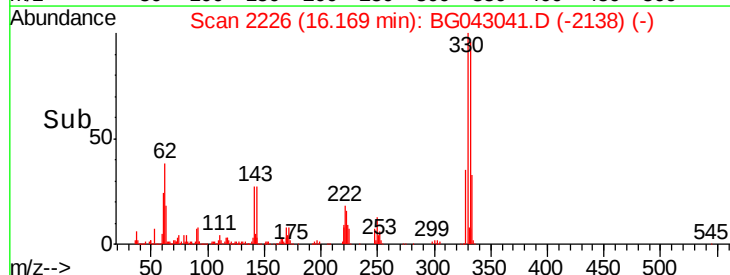
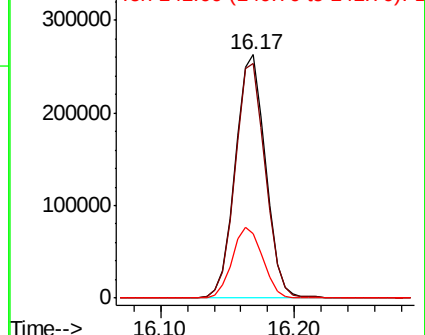
141 29.5 26.0 39.0

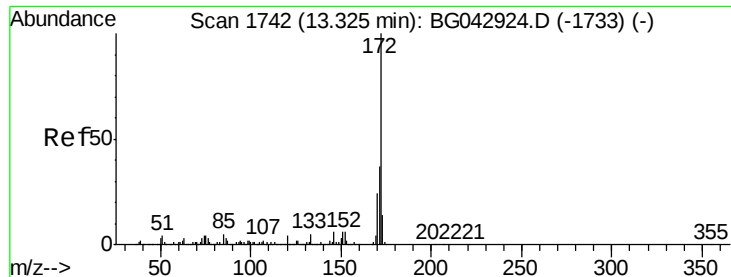


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

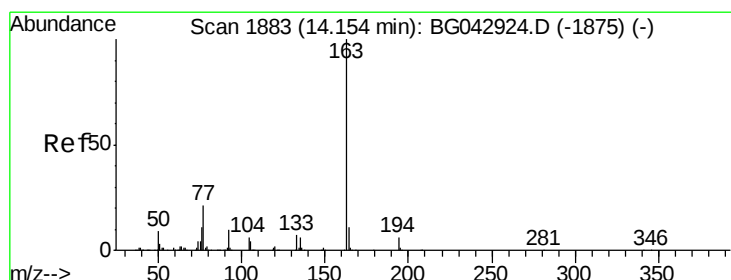
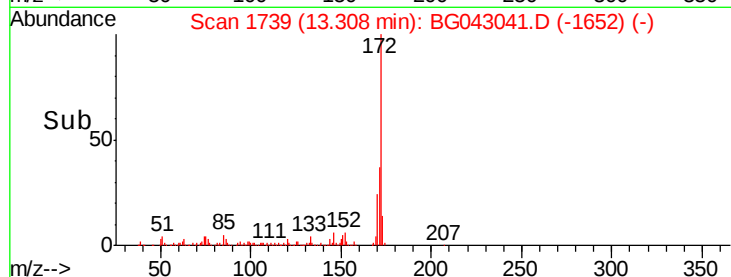
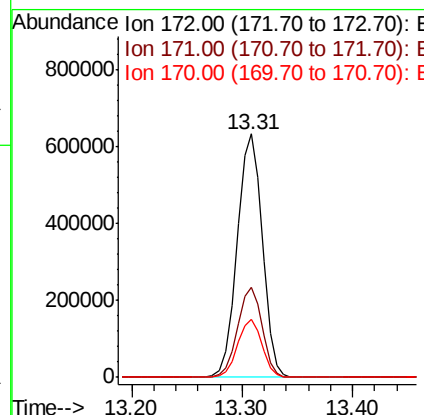
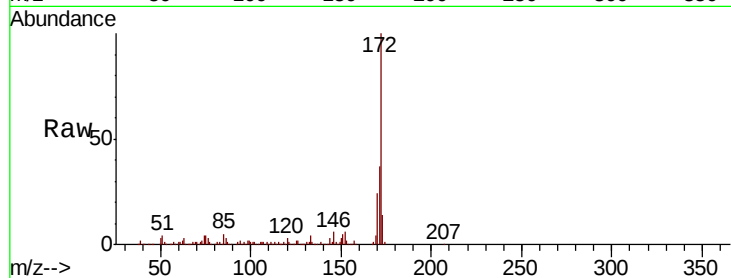




#45
2-Fluorobiphenyl
Concen: 71.343 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

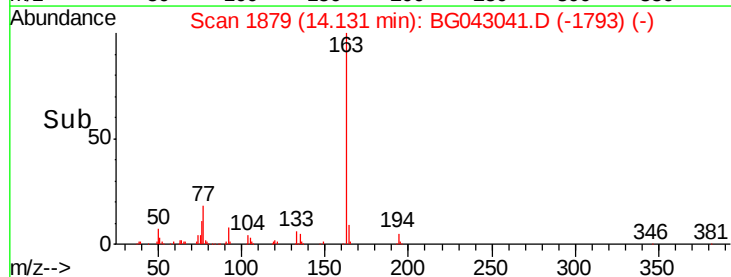
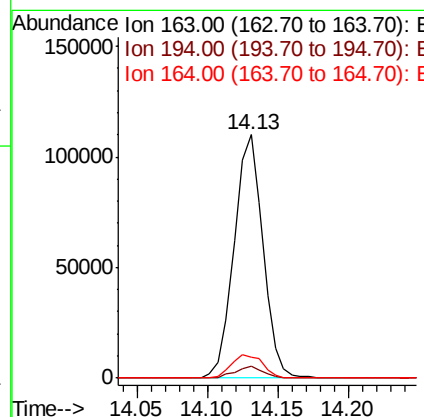
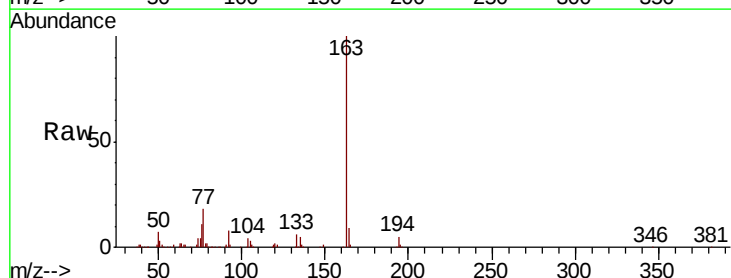
Instrument :
BNA_G
ClientSampleId :

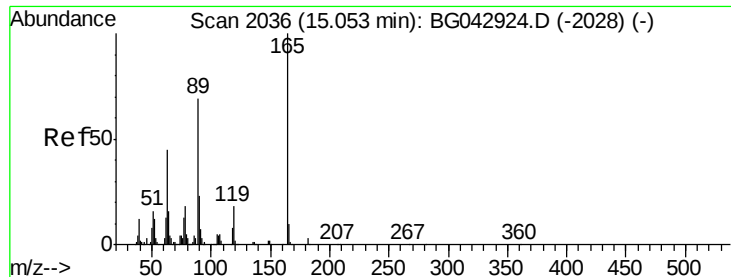
Tot Ion:172 Resp: 1012441
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 23.7 19.6 29.4



#50
Dimethylphthalate
Concen: 10.169 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

Tgt Ion:163 Resp: 156750
Ion Ratio Lower Upper
163 100
194 4.8 4.4 6.6
164 8.6 8.6 12.8





#57

2,4-Dinitrotoluene

Concen: 5.792 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.38 min

Lab File: BG043041.D

Acq: 4 Oct 2019 23:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 27844

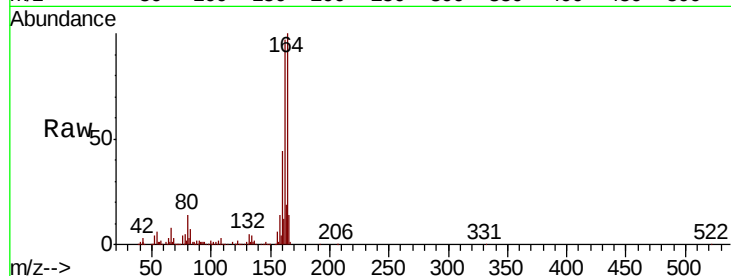
Ion Ratio Lower Upper

165 100

63 1.2 36.5 54.7#

89 2.3 55.5 83.3#

182 0.0 2.4 3.6#

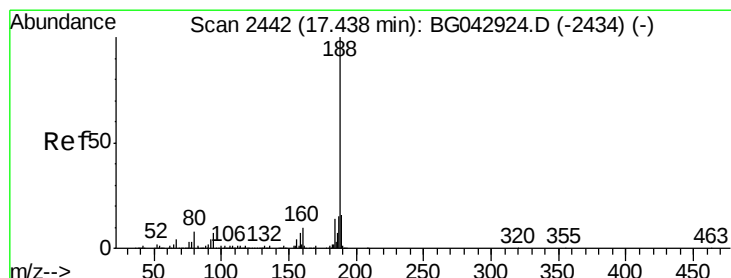
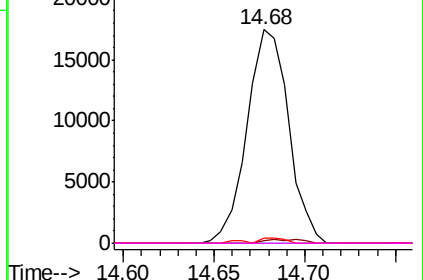
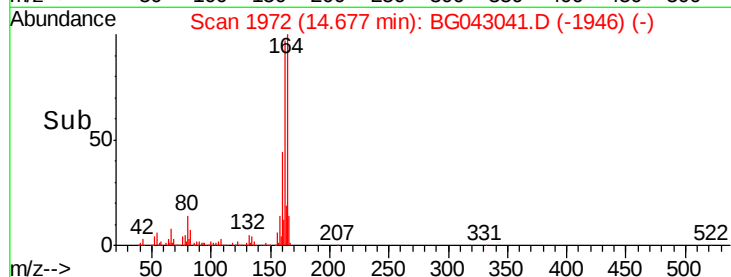


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BG043041.D

Acq: 4 Oct 2019 23:23

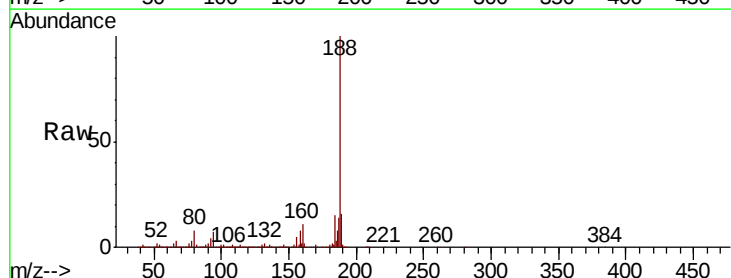
Tgt Ion:188 Resp: 470328

Ion Ratio Lower Upper

188 100

94 6.7 5.7 8.5

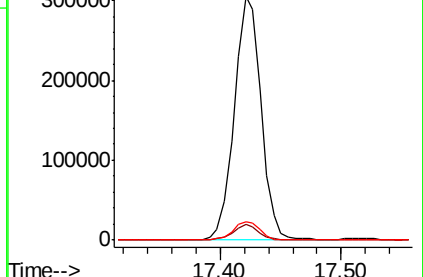
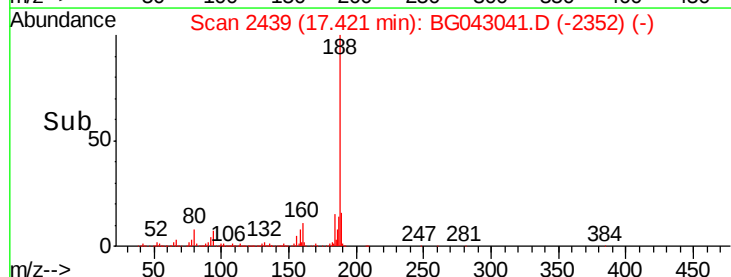
80 7.6 6.5 9.7

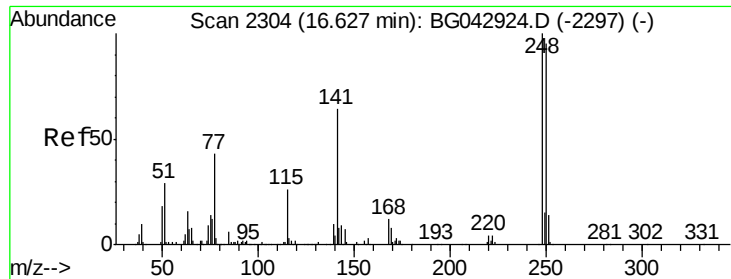


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

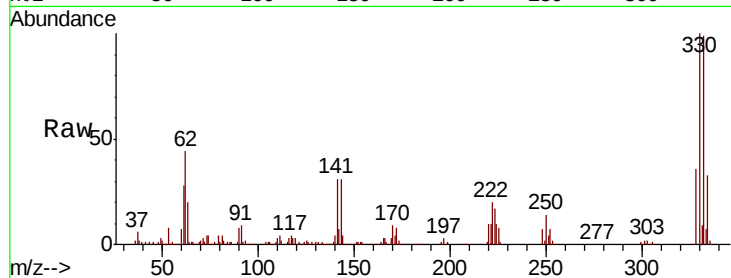




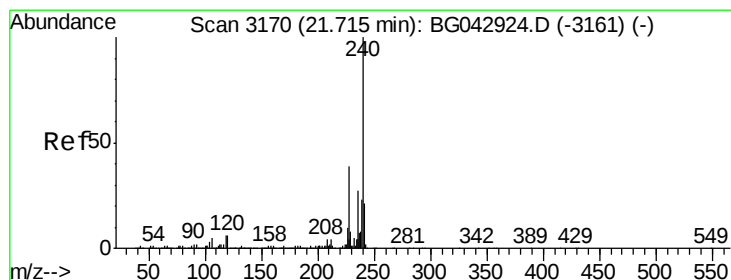
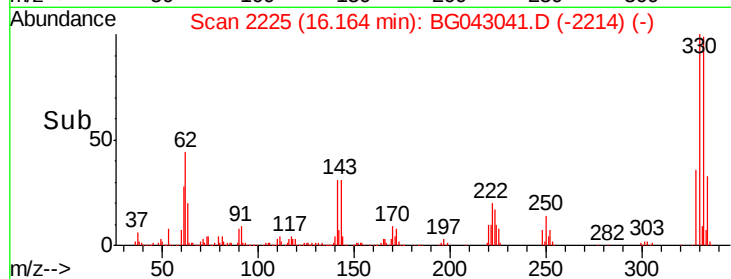
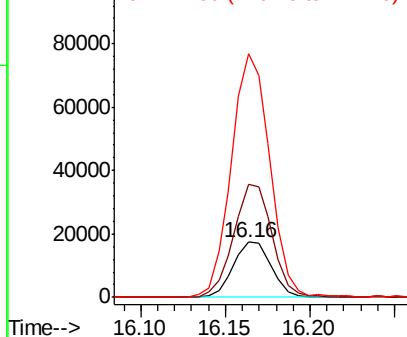
#67
4-Bromophenyl-phenylether
Concen: 4.672 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.46 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 27577
Ion Ratio Lower Upper
248 100
250 204.3 75.8 113.8#
141 440.7 51.1 76.7#

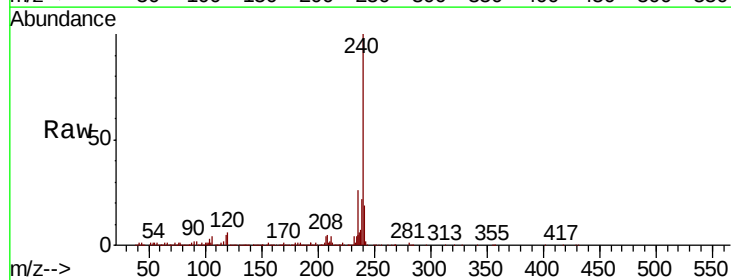


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

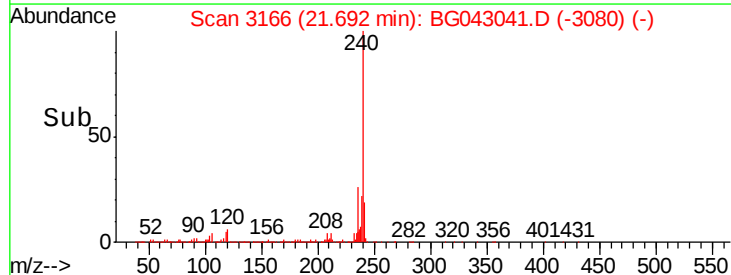
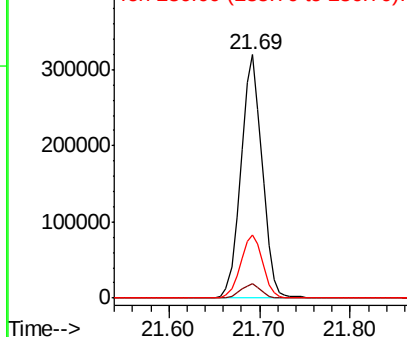


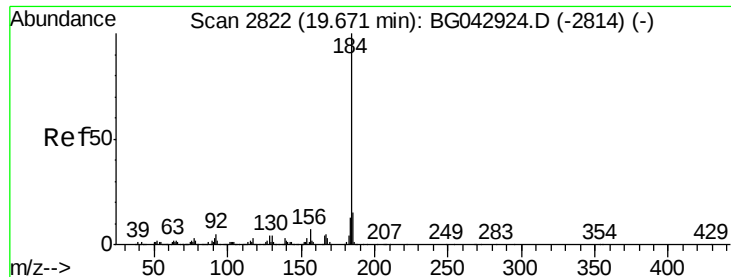
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.02 min
Lab File: BG043041.D
Acq: 4 Oct 2019 23:23

Tgt Ion:240 Resp: 519933
Ion Ratio Lower Upper
240 100
120 6.0 4.8 7.2
236 25.8 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: 2.441 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG043041.D

Acq: 4 Oct 2019 23:23

Instrument :

BNA_G

ClientSampleId :

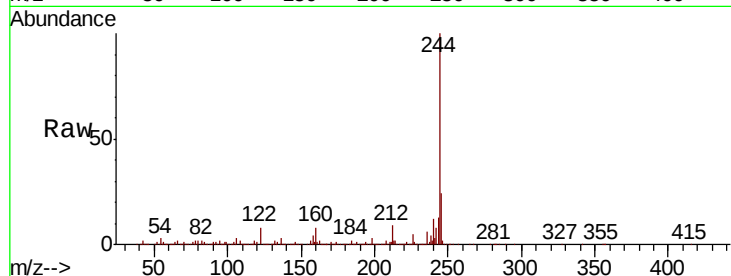
Tot Ion:184 Resp: 31778

Ion Ratio Lower Upper

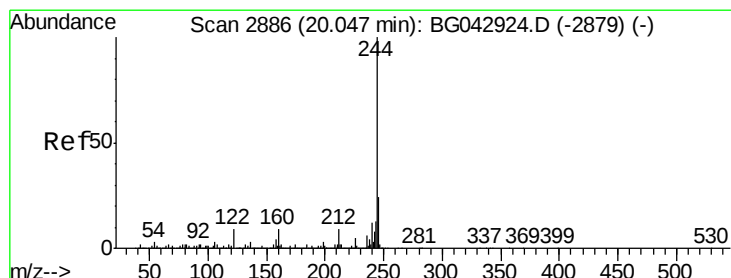
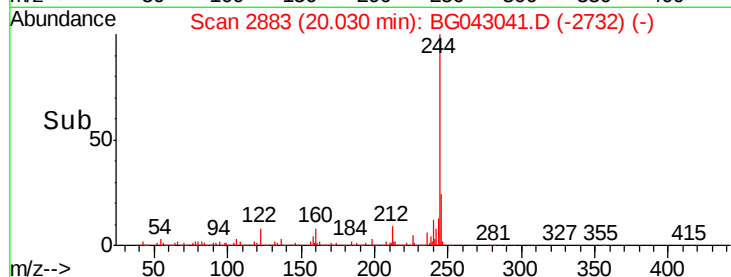
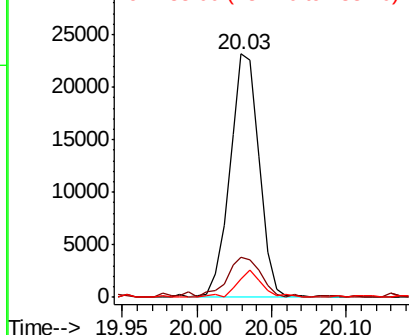
184 100

185 16.3 11.8 17.8

183 7.8 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: 79.912 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043041.D

Acq: 4 Oct 2019 23:23

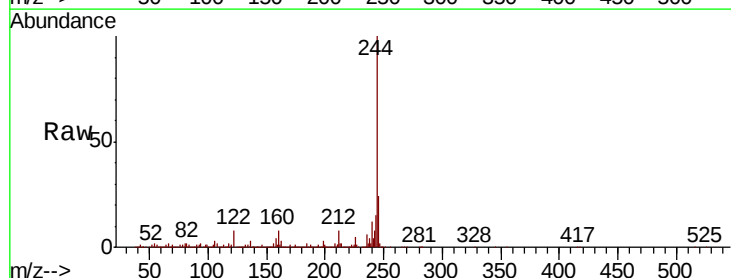
Tgt Ion:244 Resp: 1949858

Ion Ratio Lower Upper

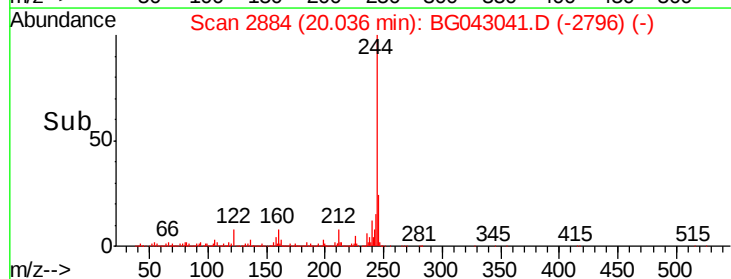
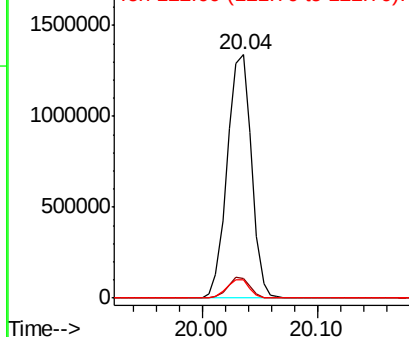
244 100

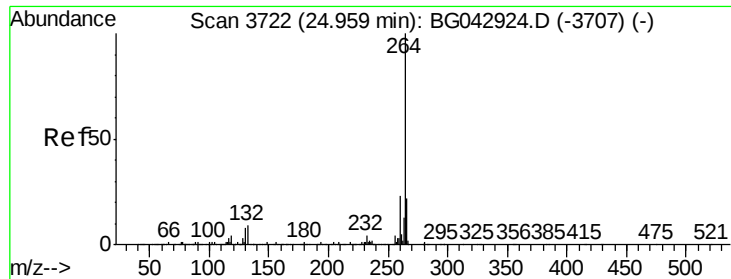
212 8.2 7.4 11.0

122 7.7 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

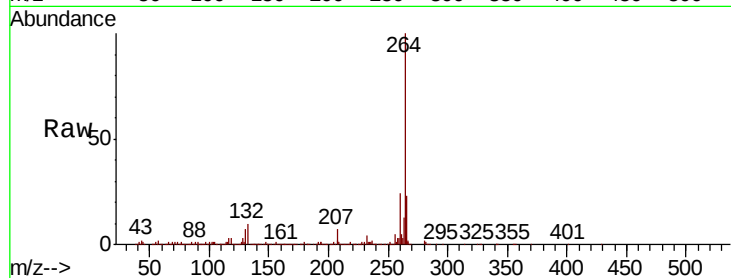




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3714
 Delta R.T. -0.05 min
 Lab File: BG043041.D
 Acq: 4 Oct 2019 23:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	604630
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	23.3	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

