

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\
 Data File : BG042822.D
 Acq On : 13 Sep 2019 18:33
 Operator : HP/JU
 Sample : K4846-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 22:58:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

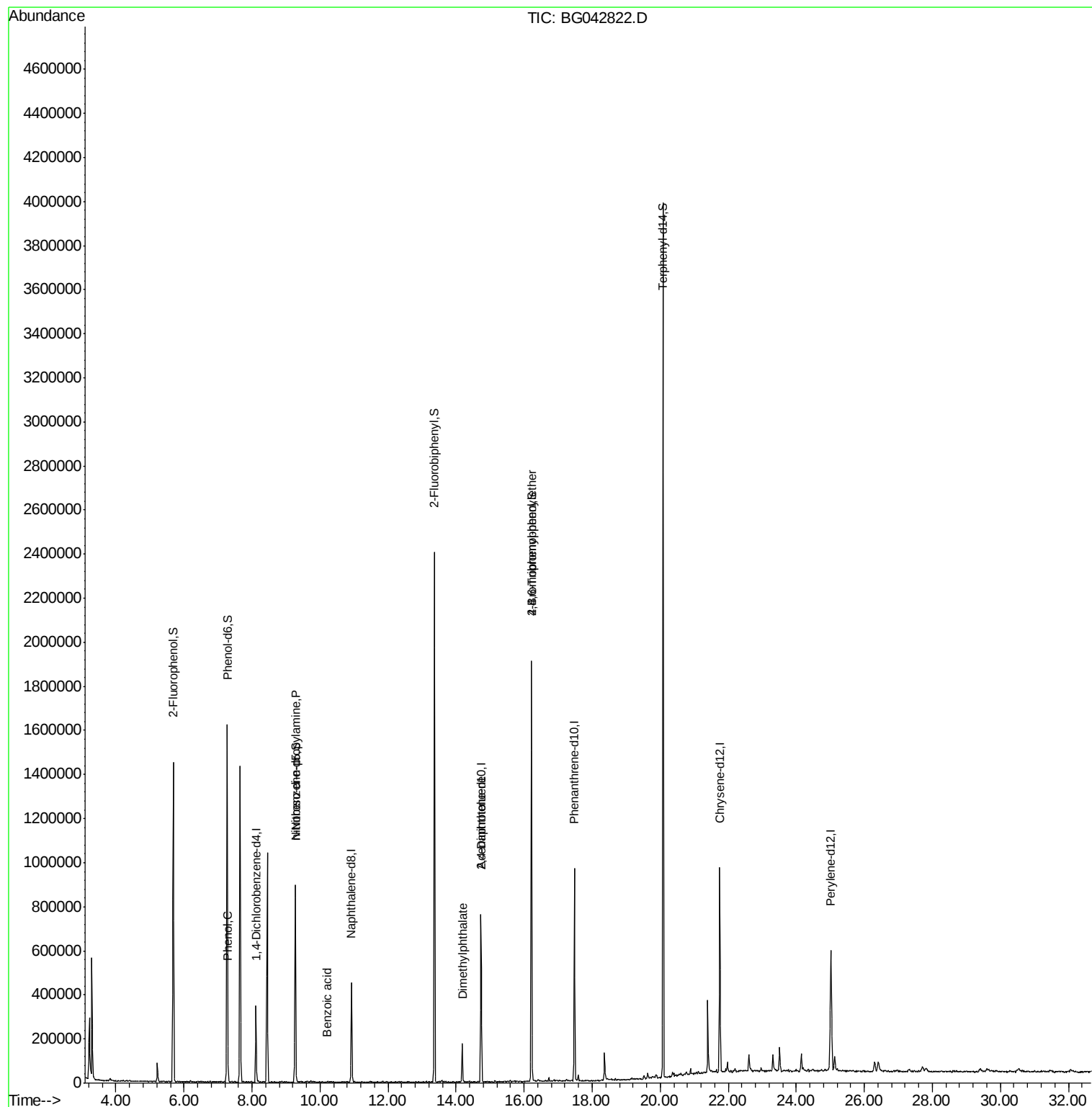
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	96235	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	387809	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	265987	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	597745	20.00	ng	0.00
76) Chrysene-d12	21.75	240	563234	20.00	ng	0.00
87) Perylene-d12	25.02	264	612682	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	580189	104.81	ng	0.00
7) Phenol-d6	7.27	99	885401	111.44	ng	0.00
23) Nitrobenzene-d5	9.27	82	560205	75.21	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	376155	106.30	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1222966	72.78	ng	0.00
79) Terphenyl-d14	20.08	244	1866756	73.46	ng	0.00
Target Compounds						
10) Phenol	7.29	94	34333	4.214	ng	95
19) n-Nitroso-di-n-propylamine	9.27	70	74989	12.809	ng	# 68
32) Benzoic acid	10.20	122	79	5.980	ng	# 1
50) Dimethylphthalate	14.18	163	108953	5.468	ng	# 96
57) 2,4-Dinitrotoluene	14.74	165	37084	6.805	ng	# 24
67) 4-Bromophenyl-phenylether	16.22	248	26373	3.645	ng	# 1

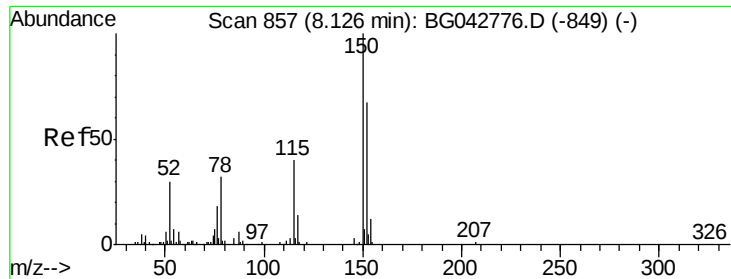
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



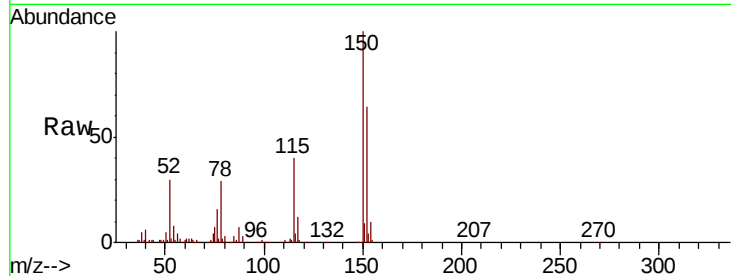


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042822.D
Acq: 13 Sep 2019 18:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	118.9	178.3
115	62.8	47.4	71.2

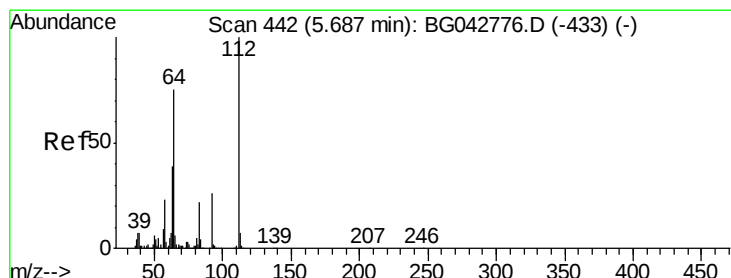
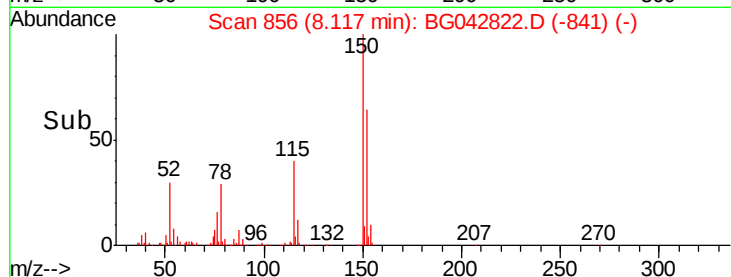
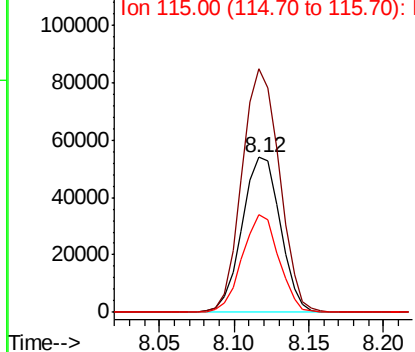


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

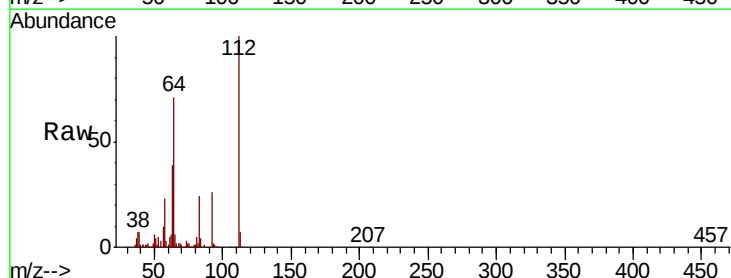
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.815 ng
RT: 5.68 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042822.D
Acq: 13 Sep 2019 18:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.7	60.2	90.2
63	39.5	31.2	46.8

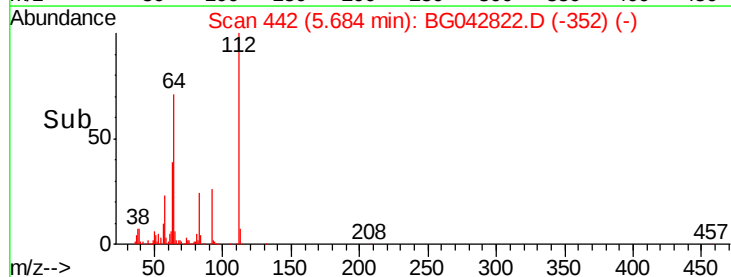
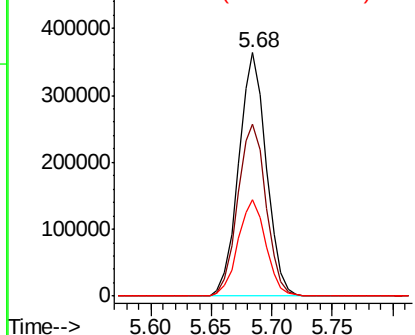


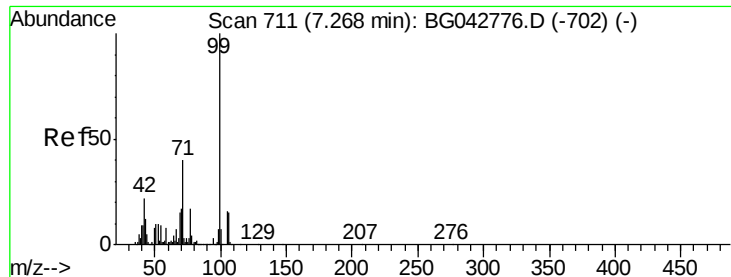
Abundance

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: 111.440 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

Instrument :

BNA_G

ClientSampleId :

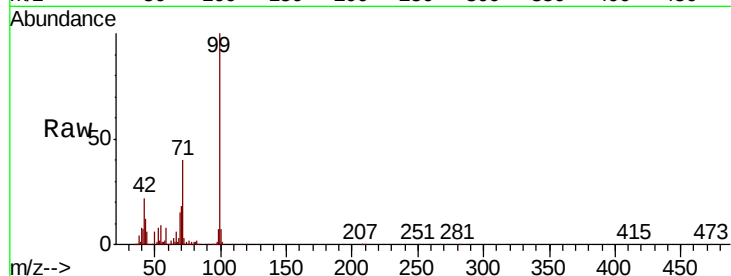
Tot Ion: 99 Resp: 885401

Ion Ratio Lower Upper

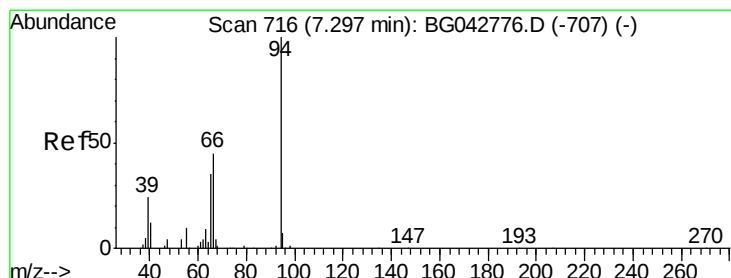
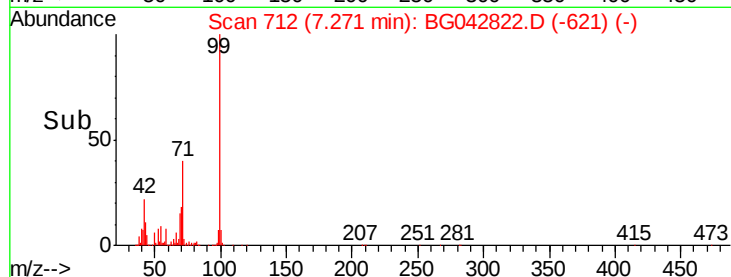
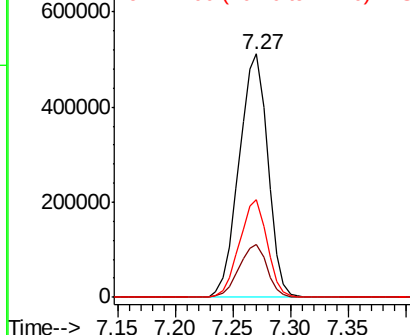
99 100

42 21.8 17.5 26.3

71 40.1 32.0 48.0



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: 4.214 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

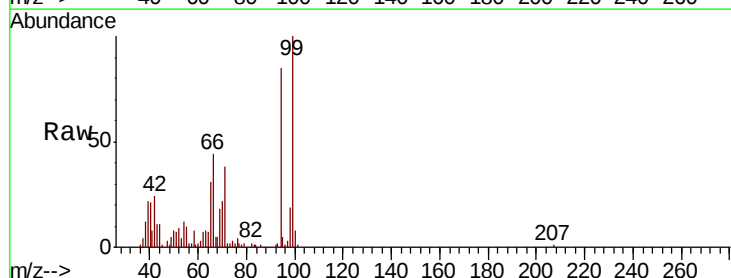
Tgt Ion: 94 Resp: 34333

Ion Ratio Lower Upper

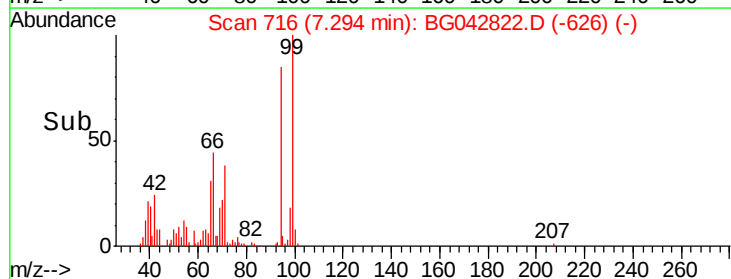
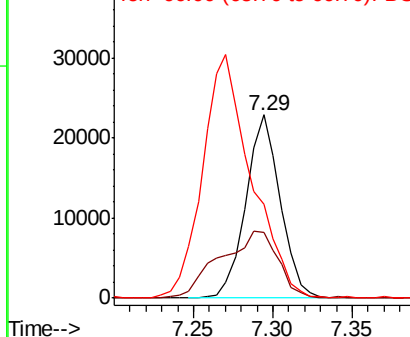
94 100

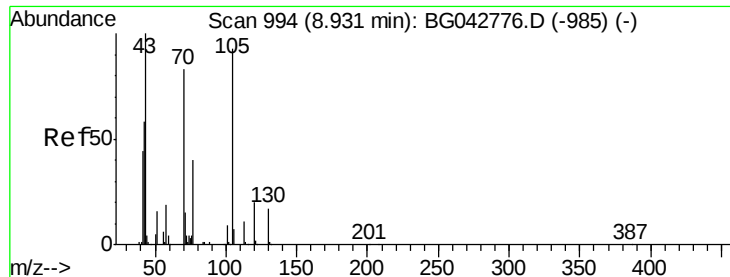
65 36.2 15.0 55.0

66 51.1 26.1 66.1



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: 12.809 ng

RT: 9.27 min Scan# 1053

Delta R.T. 0.34 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 74989

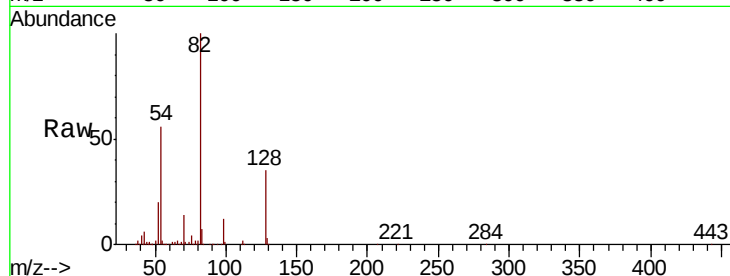
Ion Ratio Lower Upper

70 100

42 45.5 57.0 85.6#

101 0.0 8.4 12.6#

130 2.2 16.1 24.1#



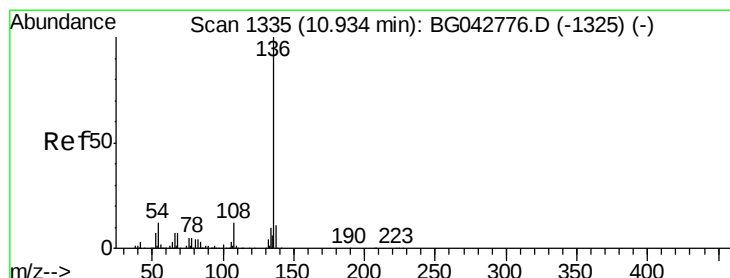
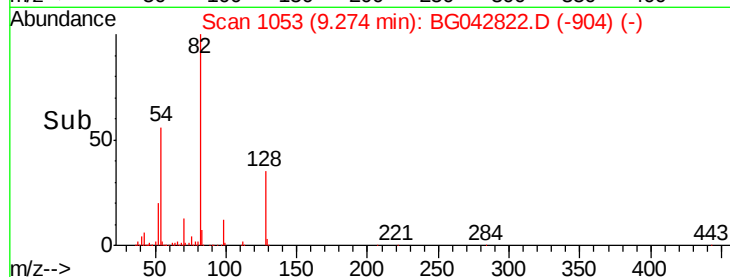
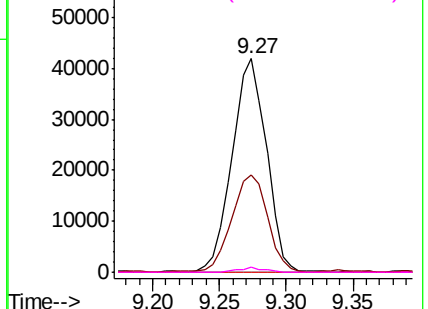
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

Tgt Ion: 136 Resp: 387809

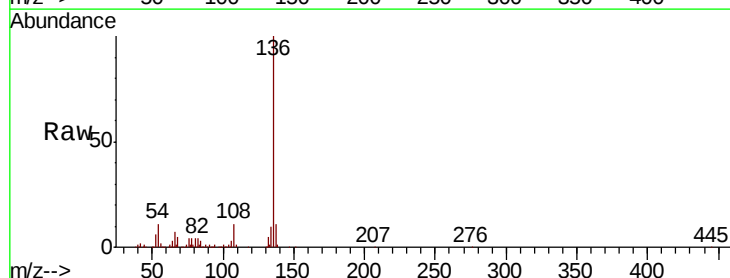
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 10.6 9.4 14.0

68 5.5 5.4 8.2



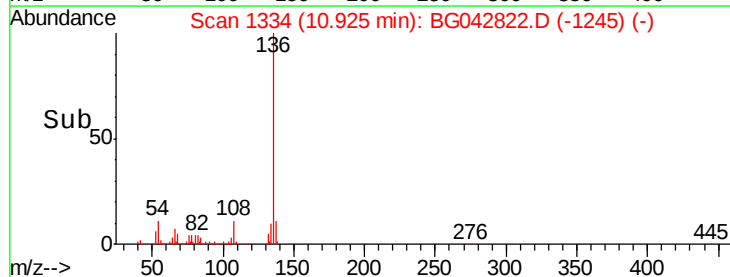
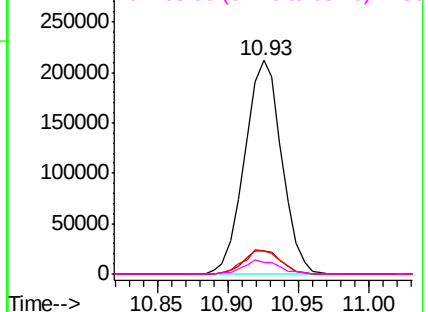
Abundance

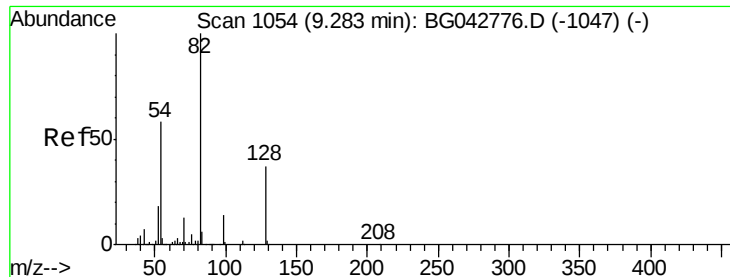
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

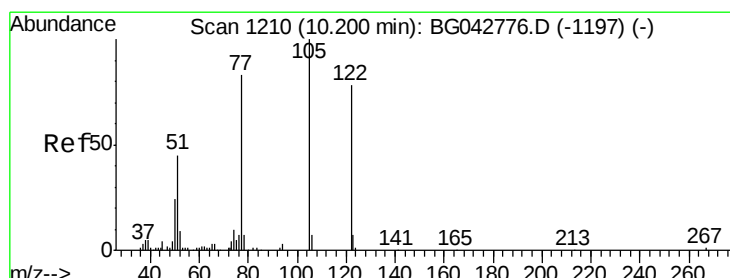
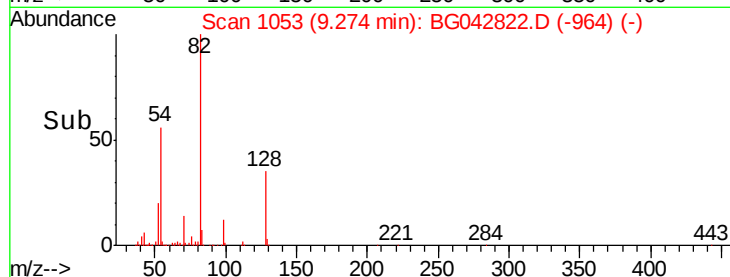
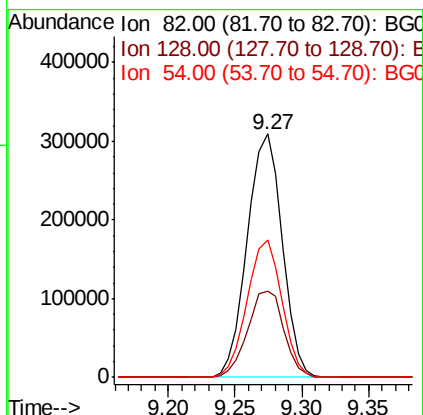
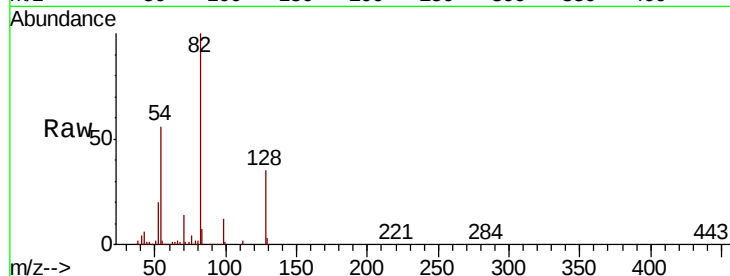




#23
Nitrobenzene-d5
Concen: 75.206 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042822.D
Acq: 13 Sep 2019 18:33

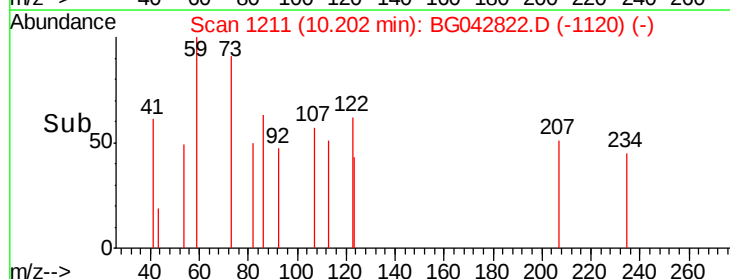
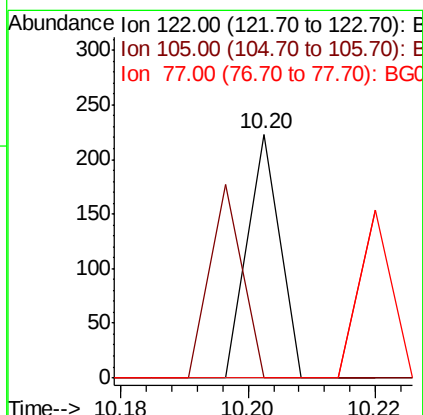
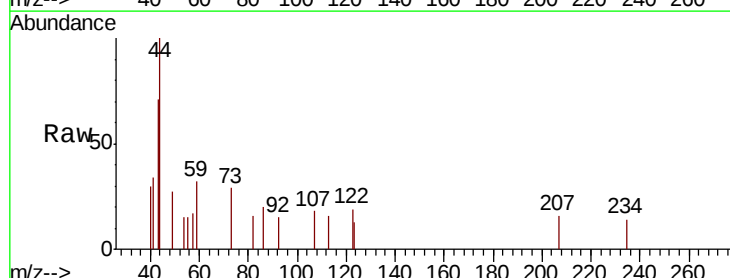
Instrument :
BNA_G
ClientSampleId :

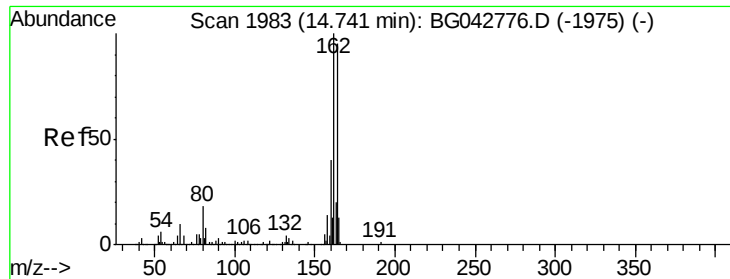
Tot Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.8	44.8
54	56.4	46.1	69.1



#32
Benzoic acid
Concen: 5.980 ng
RT: 10.20 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BG042822.D
Acq: 13 Sep 2019 18:33

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#

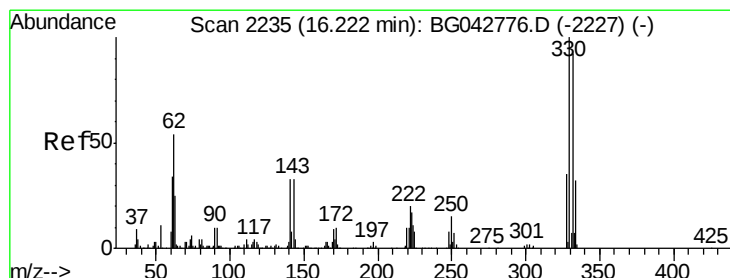
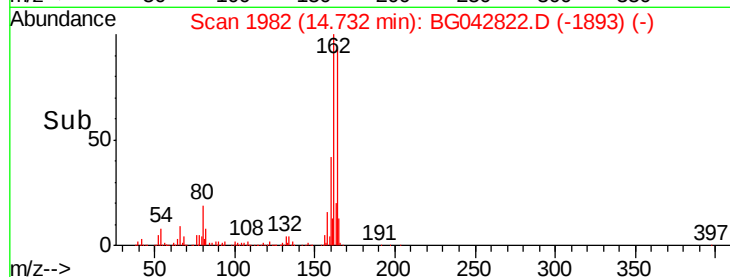
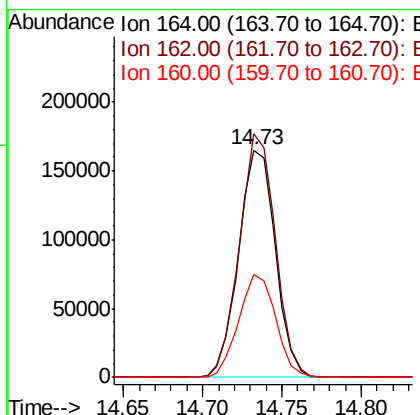
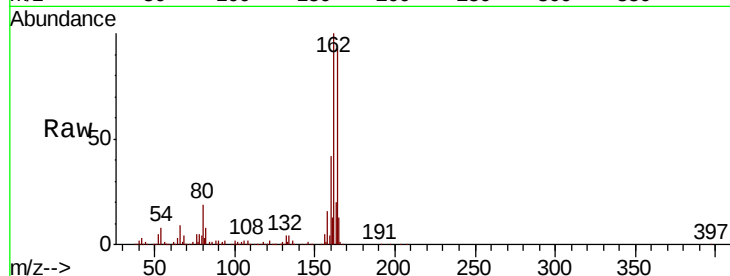




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.01 min
 Lab File: BG042822.D
 Acq: 13 Sep 2019 18:33

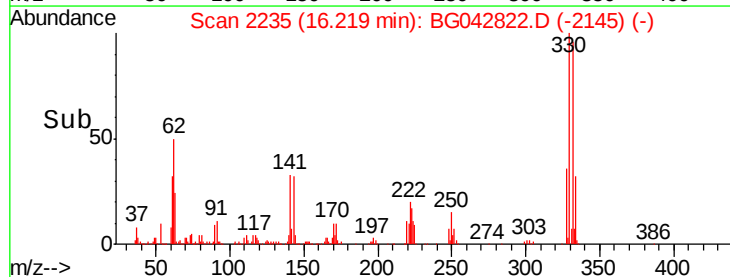
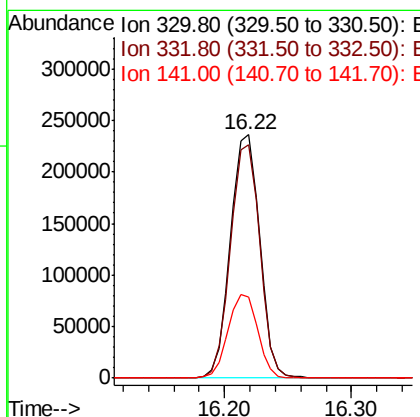
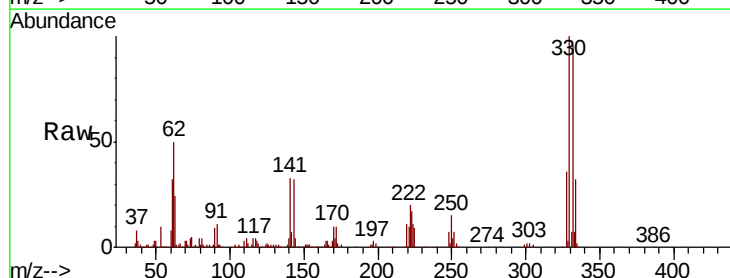
Instrument :
 BNA_G
 ClientSampleId :

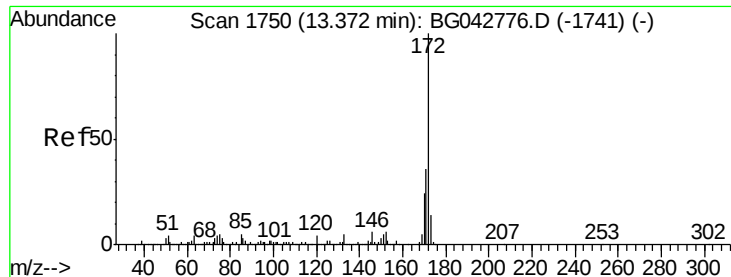
Tot Ion	Ratio	Lower	Upper
164	100		
162	107.0	84.6	126.8
160	45.3	34.2	51.2



#42
 2,4,6-Tribromophenol
 Concen: 106.296 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG042822.D
 Acq: 13 Sep 2019 18:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.7	115.1
141	35.0	27.0	40.6

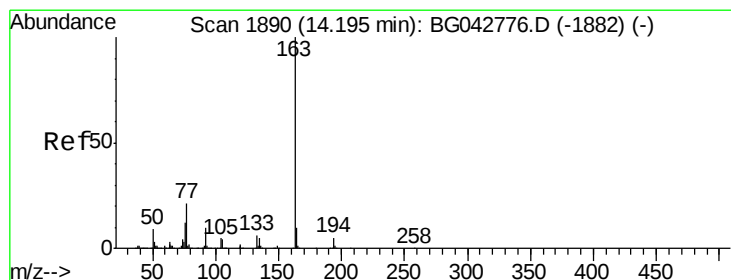
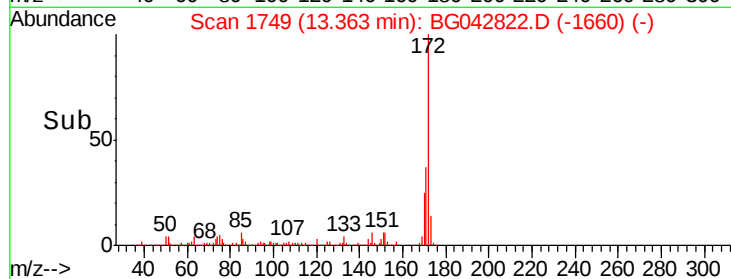
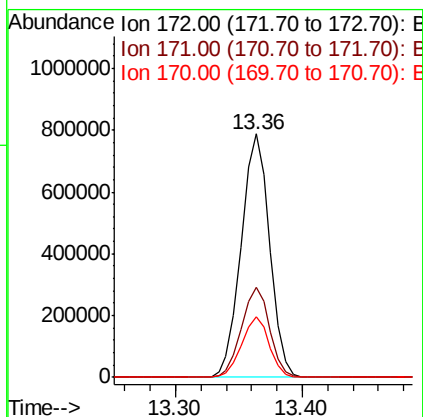
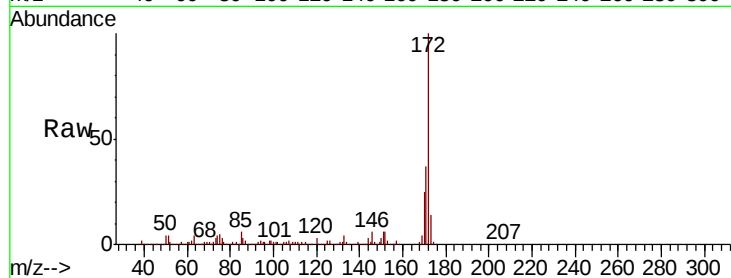




#45
2-Fluorobiphenyl
Concen: 72.781 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BG042822.D
Acq: 13 Sep 2019 18:33

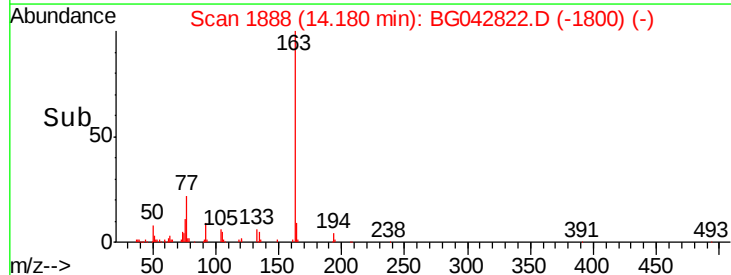
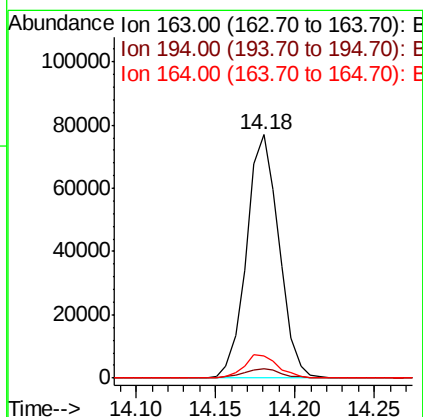
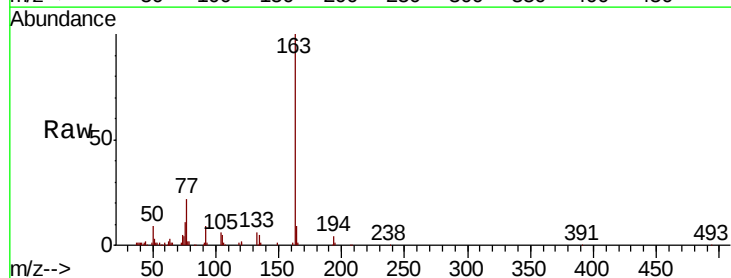
Instrument :
BNA_G
ClientSampleId :

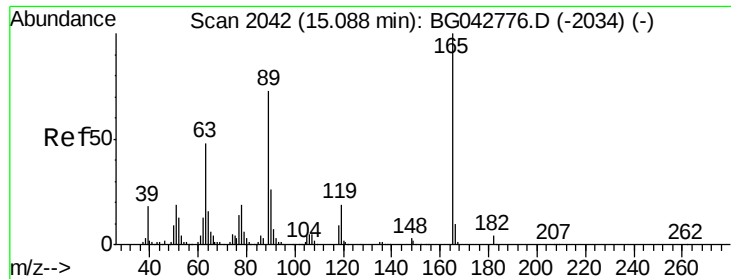
Tot Ion:172 Resp: 1222966
Ion Ratio Lower Upper
172 100
171 37.2 28.9 43.3
170 24.7 19.1 28.7



#50
Dimethylphthalate
Concen: 5.468 ng
RT: 14.18 min Scan# 1888
Delta R.T. -0.01 min
Lab File: BG042822.D
Acq: 13 Sep 2019 18:33

Tgt Ion:163 Resp: 108953
Ion Ratio Lower Upper
163 100
194 3.8 4.2 6.4#
164 9.0 8.4 12.6

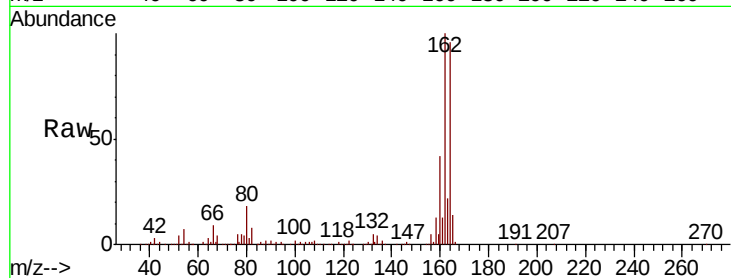




#57
 2,4-Dinitrotoluene
 Concen: 6.805 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. -0.35 min
 Lab File: BG042822.D
 Acq: 13 Sep 2019 18:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	38.3	57.5#
89	2.1	58.4	87.6#
182	0.0	2.9	4.3#

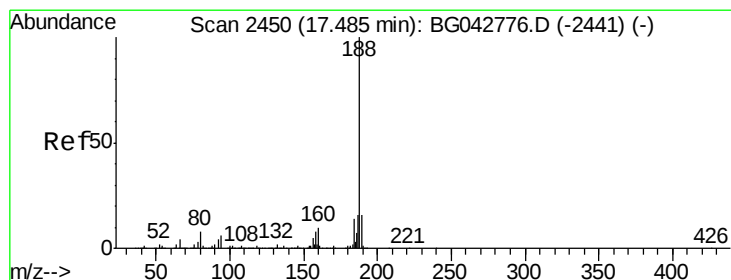
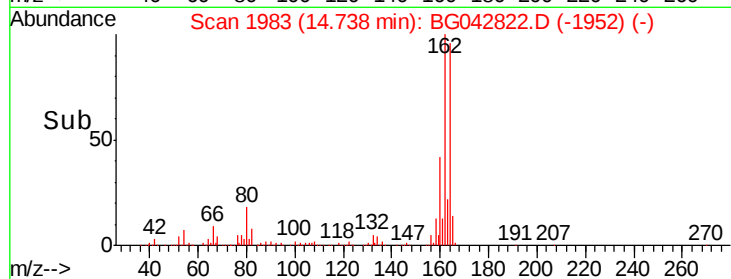
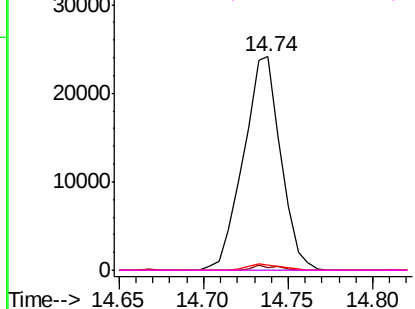


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

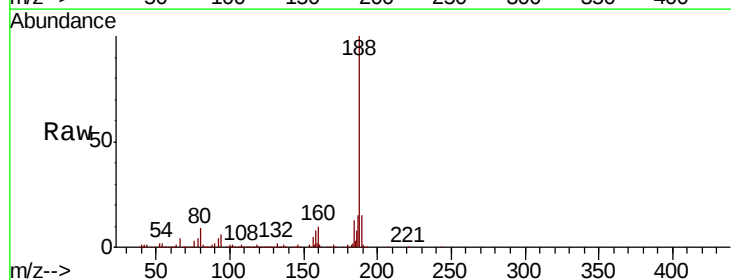
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2449
 Delta R.T. -0.01 min
 Lab File: BG042822.D
 Acq: 13 Sep 2019 18:33

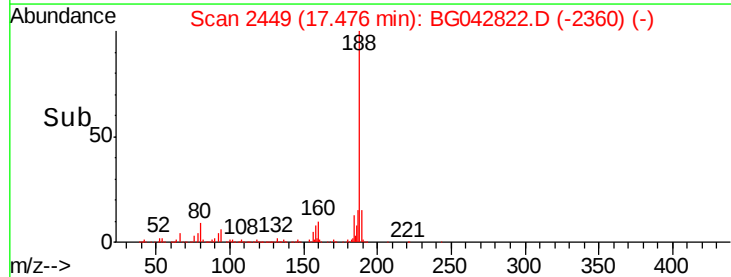
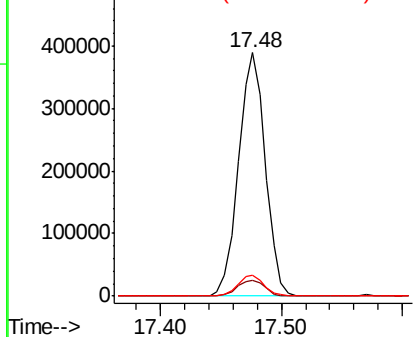
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.5	4.8	7.2
80	8.6	6.6	9.8

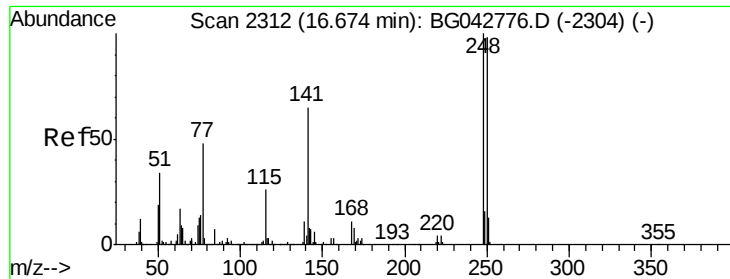


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

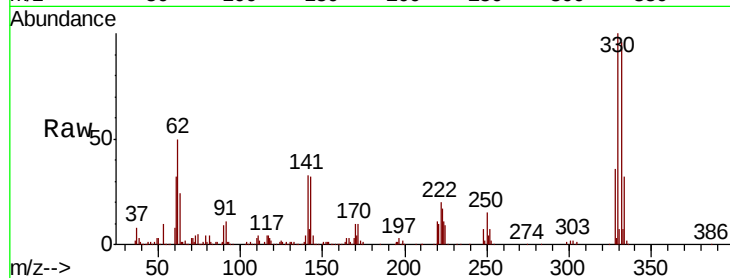




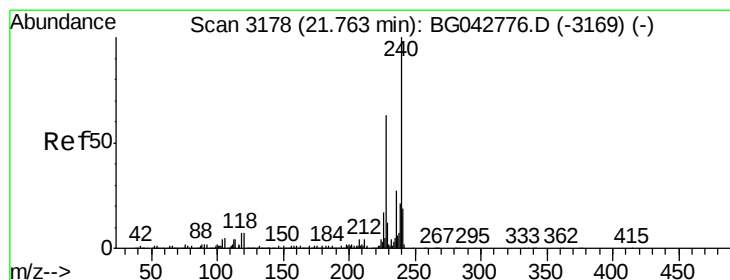
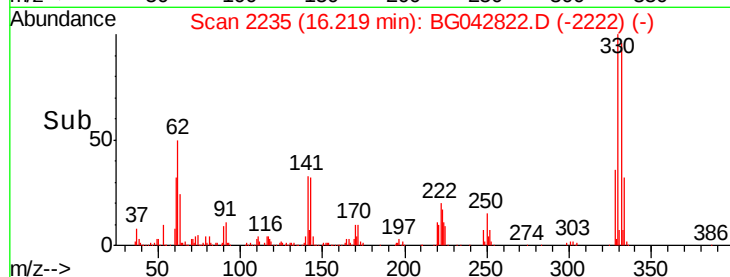
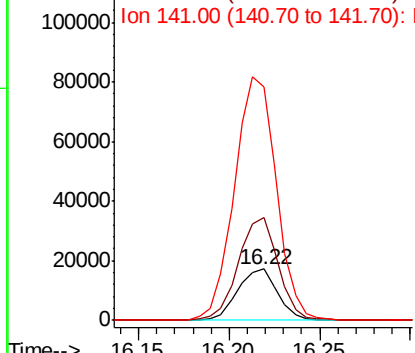
#67
 4-Bromophenyl-phenylether
 Concen: 3.645 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.46 min
 Lab File: BG042822.D
 Acq: 13 Sep 2019 18:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 26373
 Ion Ratio Lower Upper
 248 100
 250 200.7 78.0 117.0#
 141 456.2 51.8 77.6#

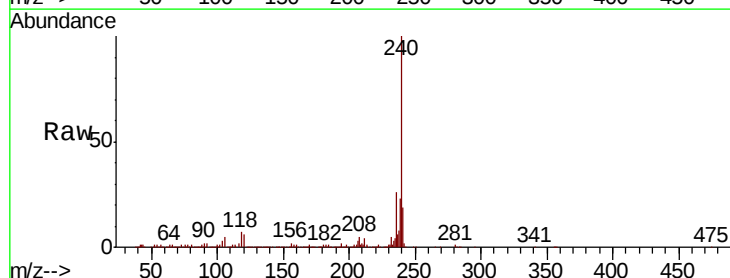


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

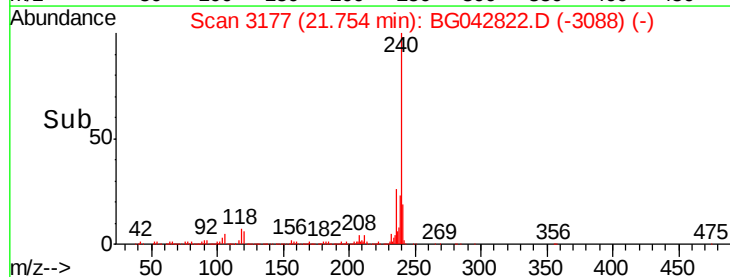
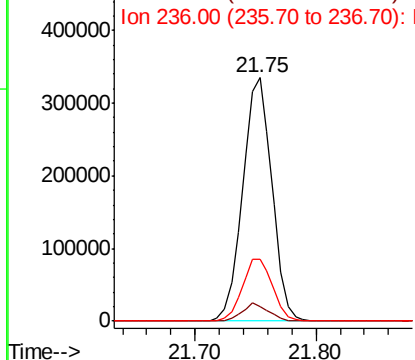


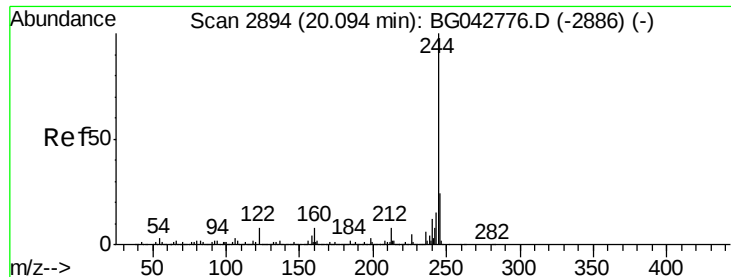
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3177
 Delta R.T. -0.01 min
 Lab File: BG042822.D
 Acq: 13 Sep 2019 18:33

Tgt Ion:240 Resp: 563234
 Ion Ratio Lower Upper
 240 100
 120 5.9 5.4 8.2
 236 25.5 21.7 32.5



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





#79

Terphenyl-d14

Concen: 73.455 ng

RT: 20.08 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

Instrument :

BNA_G

ClientSampleId :

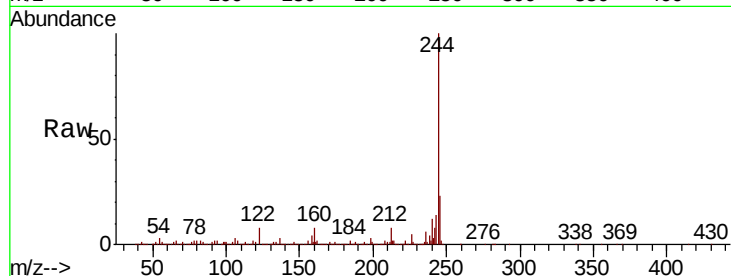
Tot Ion:244 Resp: 1866756

Ion Ratio Lower Upper

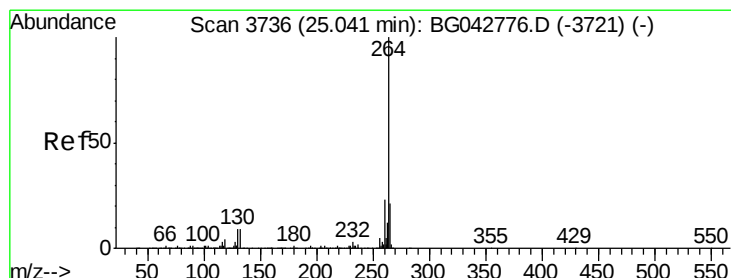
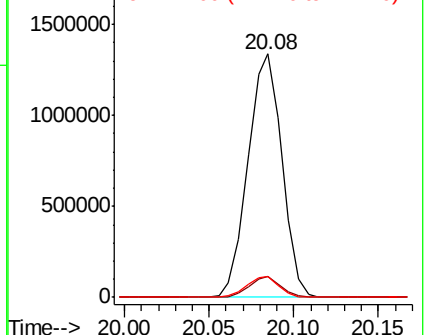
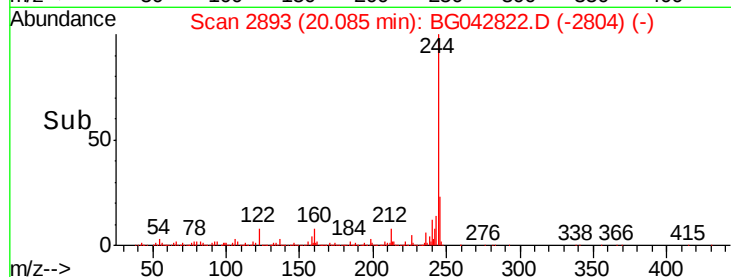
244 100

212 8.3 6.6 10.0

122 8.4 6.2 9.4



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: 25.02 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

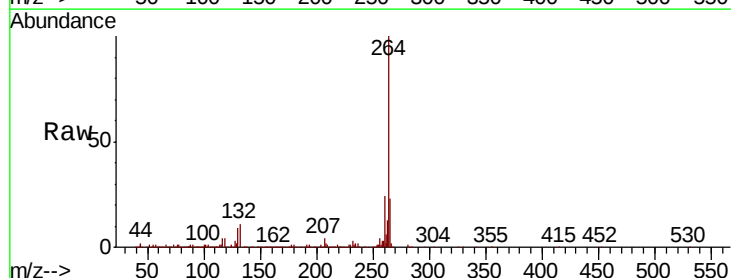
Tgt Ion:264 Resp: 612682

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.2

265 23.1 16.9 25.3



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

