

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\
 Data File : BG042832.D
 Acq On : 14 Sep 2019 00:54
 Operator : HP/JU
 Sample : K4857-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 14 07:02:20 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

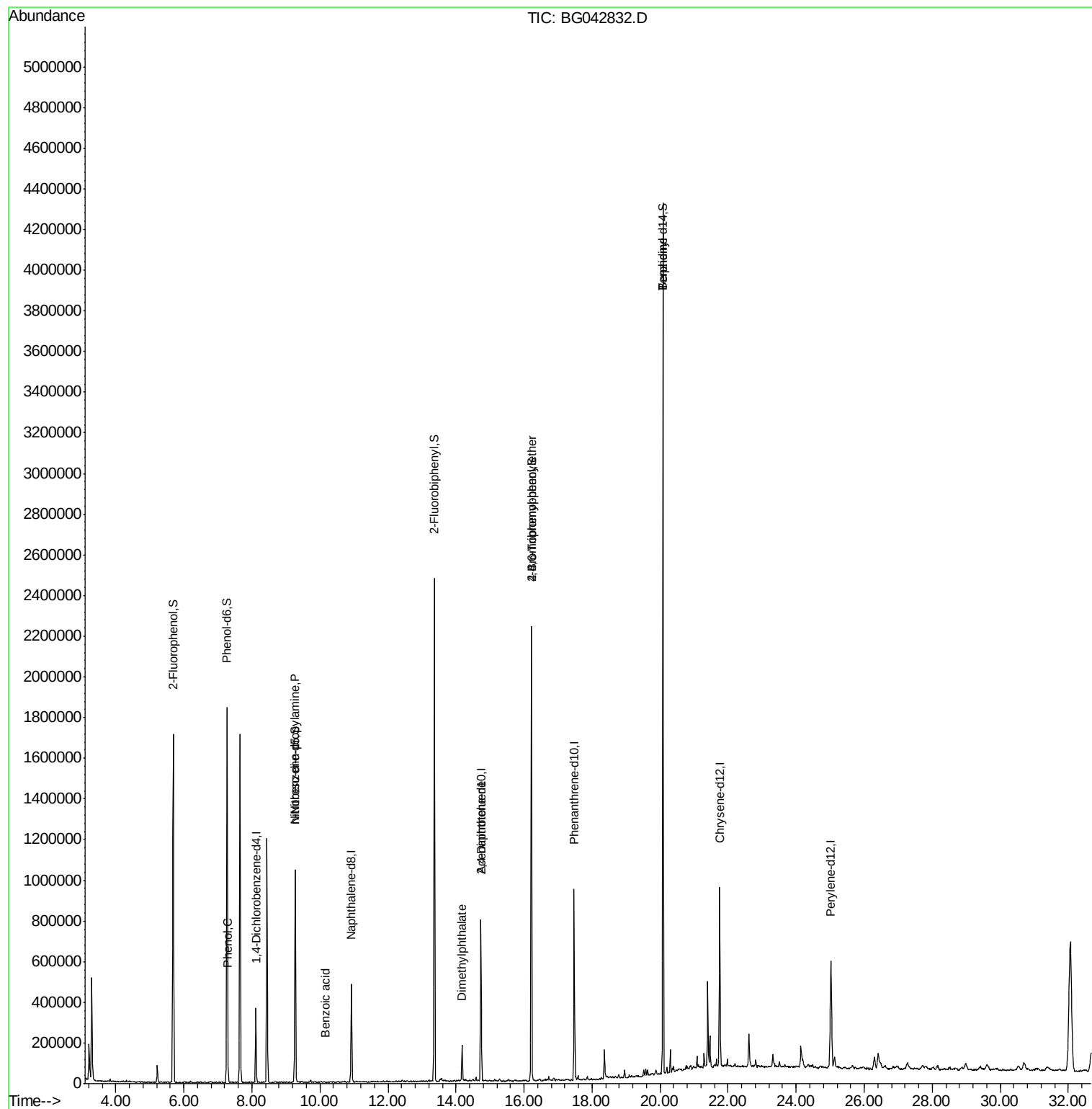
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	101036	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	410209	20.00	ng	-0.01
39) Acenaphthene-d10	14.74	164	274537	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	597032	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	543571	20.00	ng	-0.01
87) Perylene-d12	25.02	264	608617	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	692875	119.22	ng	0.00
7) Phenol-d6	7.27	99	1048701	125.72	ng	0.00
23) Nitrobenzene-d5	9.27	82	652276	82.78	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	420847	115.22	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1333111	76.86	ng	-0.01
79) Terphenyl-d14	20.08	244	1909465	77.85	ng	-0.01
Target Compounds						
10) Phenol	7.30	94	38896	4.547	ng	97
19) n-Nitroso-di-n-propylamine	9.28	70	91936	14.957	ng	# 66
32) Benzoic acid	10.16	122	167	5.996	ng	# 32
50) Dimethylphthalate	14.18	163	99754	4.850	ng	# 98
57) 2,4-Dinitrotoluene	14.74	165	37037	6.584	ng	# 23
67) 4-Bromophenyl-phenylether	16.22	248	28978	4.010	ng	# 1
77) Benzidine	20.08	184	33047	2.176	ng	# 93

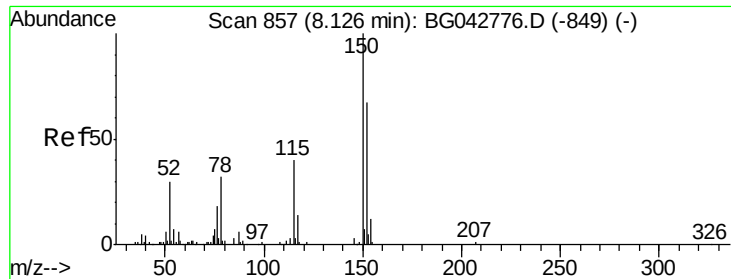
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration



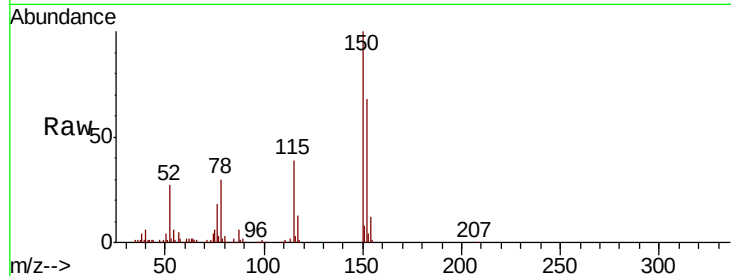


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042832.D
Acq: 14 Sep 2019 00:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.1	118.9	178.3
115	56.8	47.4	71.2

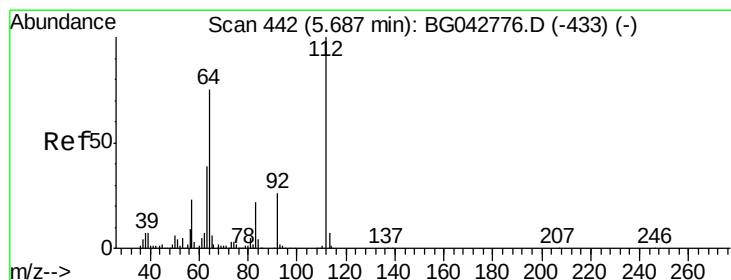
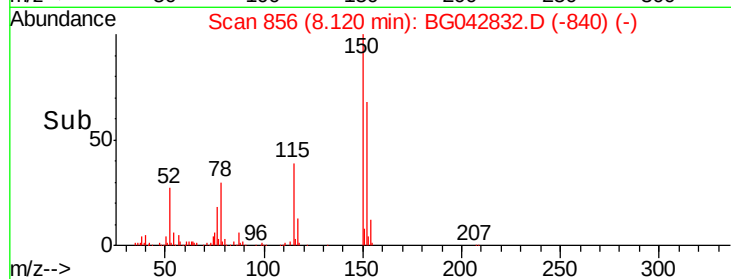
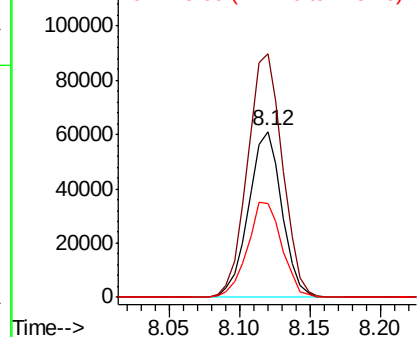


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

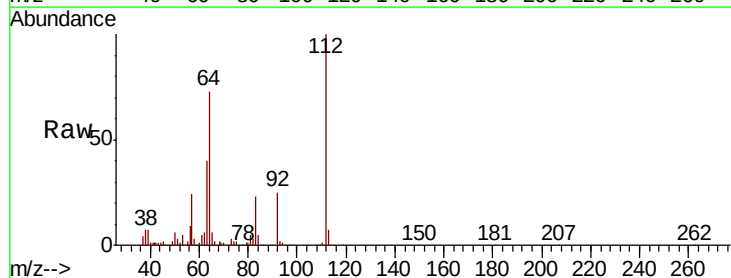
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.225 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG042832.D
Acq: 14 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.6	60.2	90.2
63	40.0	31.2	46.8

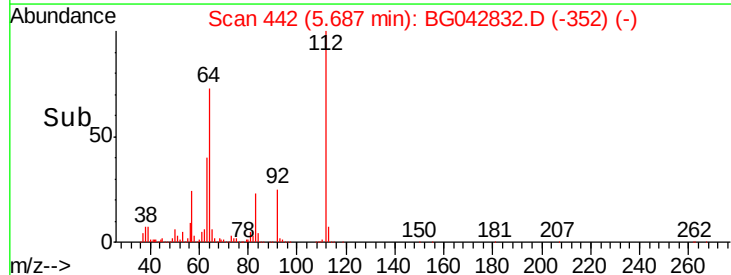
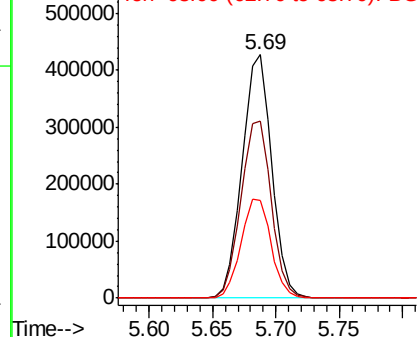


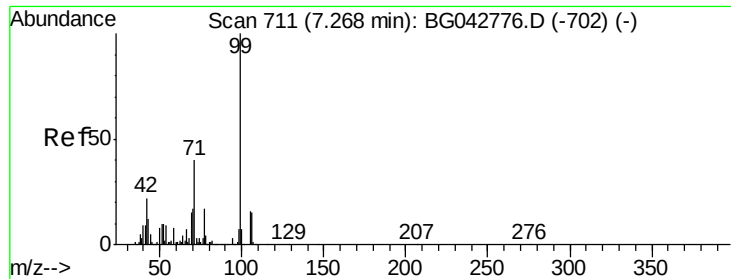
Abundance

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: 125.721 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG042832.D

Acq: 14 Sep 2019 00:54

Instrument :

BNA_G

ClientSampleId :

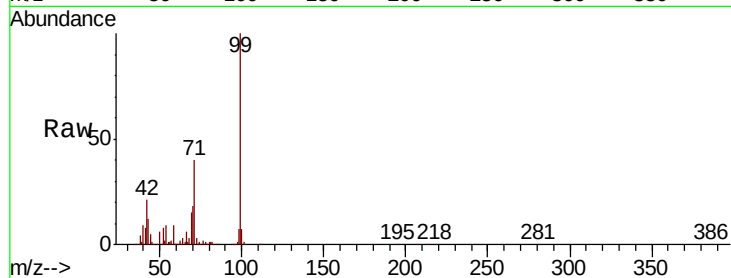
Tot Ion: 99 Resp: 1048701

Ion Ratio Lower Upper

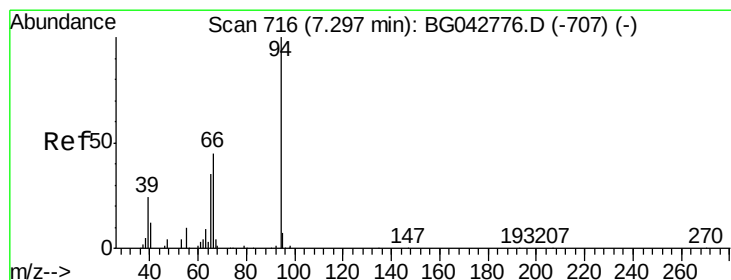
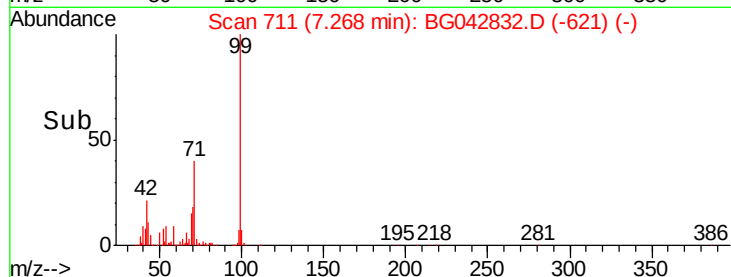
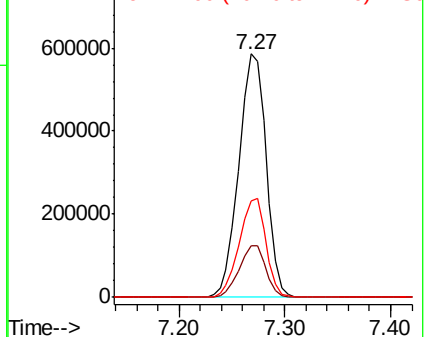
99 100

42 21.4 17.5 26.3

71 39.8 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: 4.547 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG042832.D

Acq: 14 Sep 2019 00:54

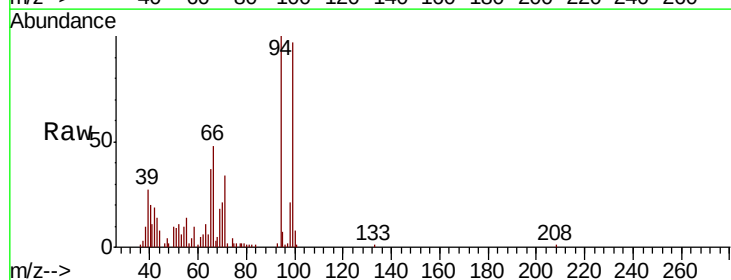
Tgt Ion: 94 Resp: 38896

Ion Ratio Lower Upper

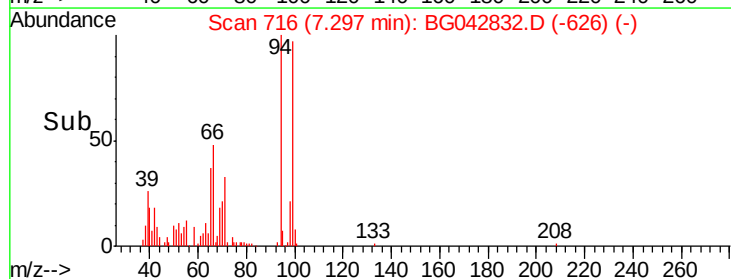
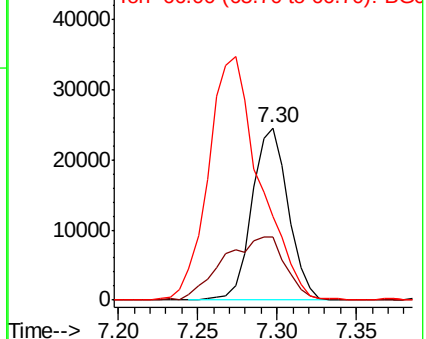
94 100

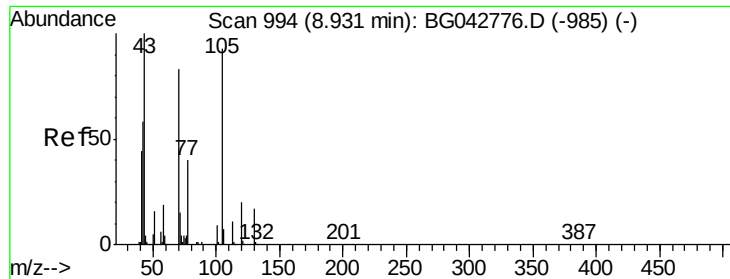
65 36.8 15.0 55.0

66 48.4 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

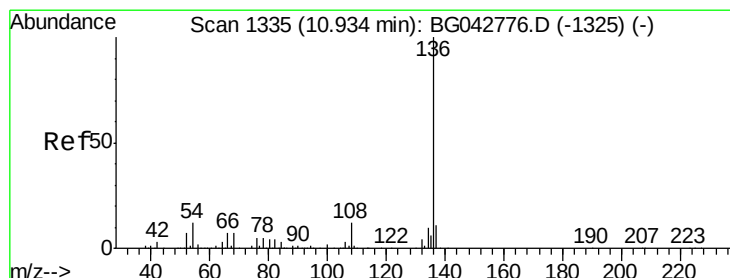
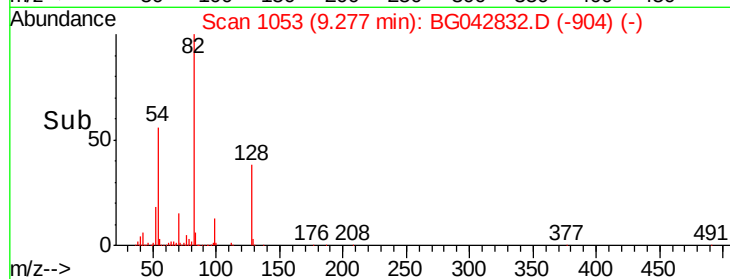
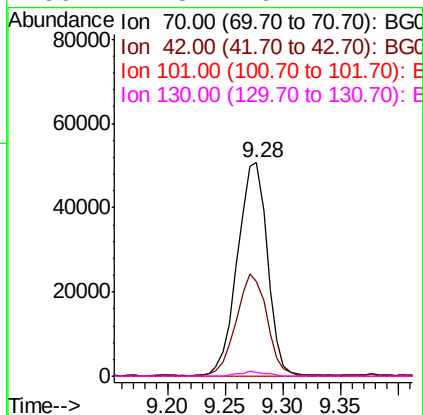
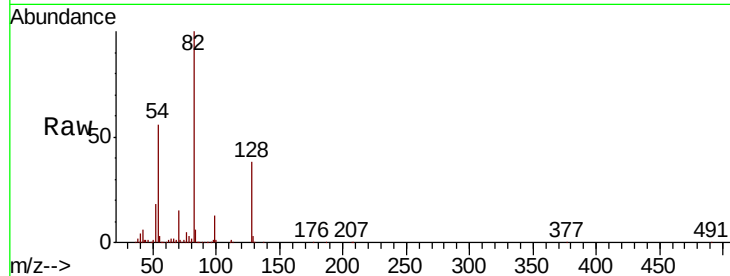




#19
n-Nitroso-di-n-propylamine
Concen: 14.957 ng
RT: 9.28 min Scan# 1053
Delta R.T. 0.35 min
Lab File: BG042832.D
Acq: 14 Sep 2019 00:54

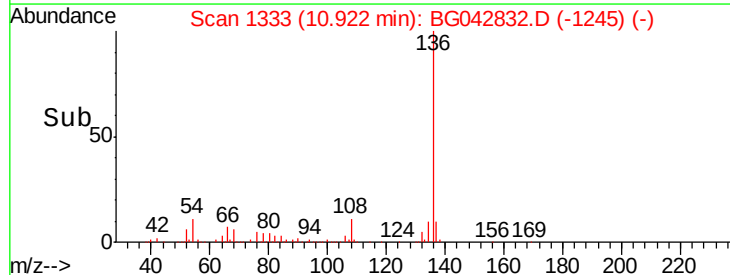
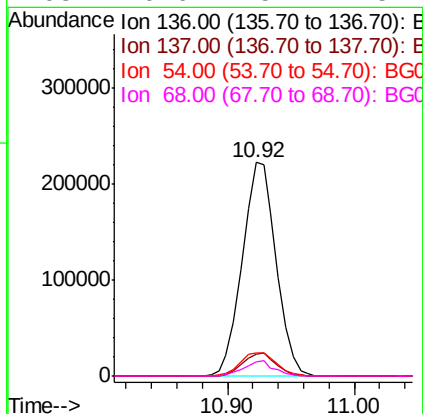
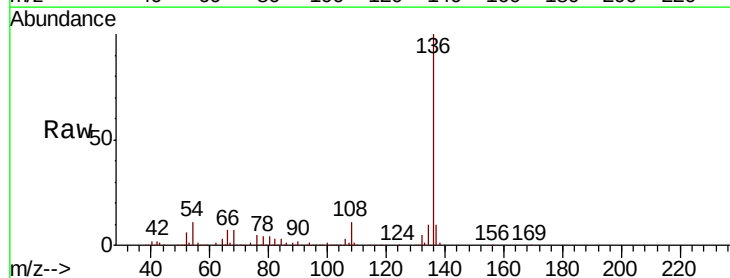
Instrument :
BNA_G
ClientSampleId :

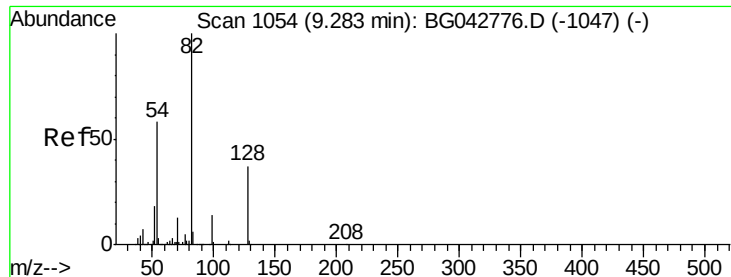
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.1	57.0	85.6#
101	0.0	8.4	12.6#
130	1.8	16.1	24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BG042832.D
Acq: 14 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.6
54	10.8	9.4	14.0
68	6.6	5.4	8.2

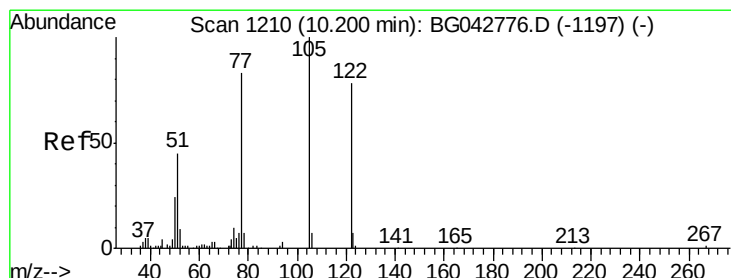
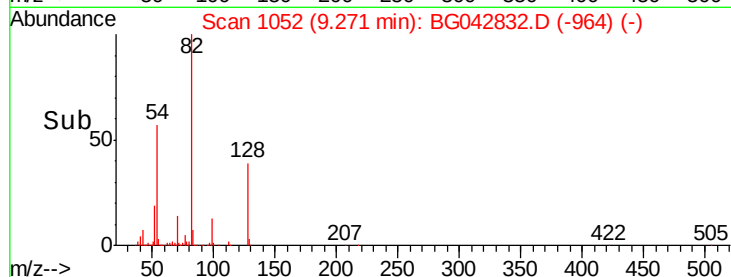
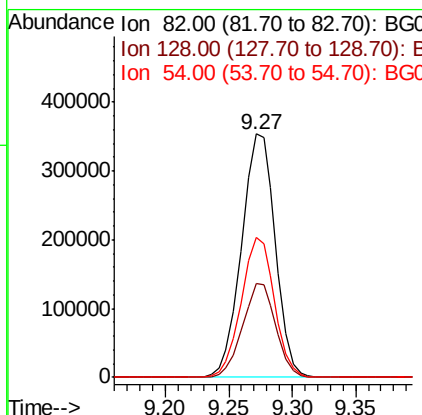
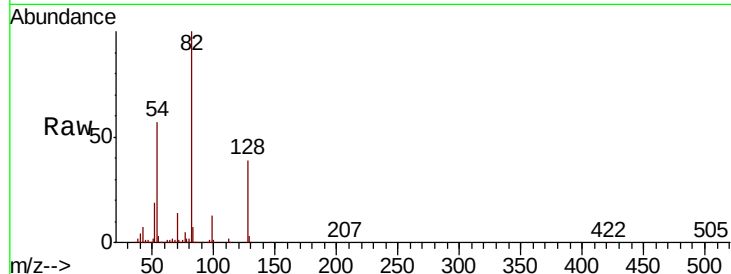




#23
Nitrobenzene-d5
Concen: 82.785 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG042832.D
Acq: 14 Sep 2019 00:54

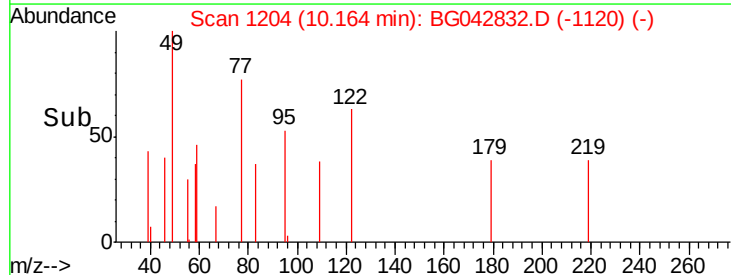
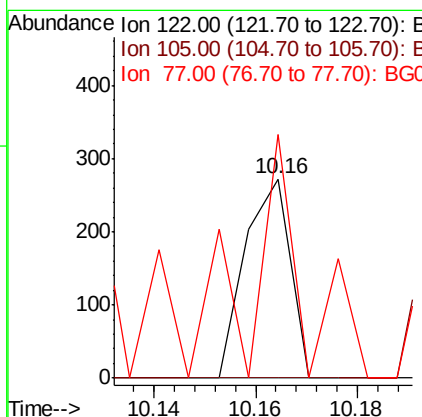
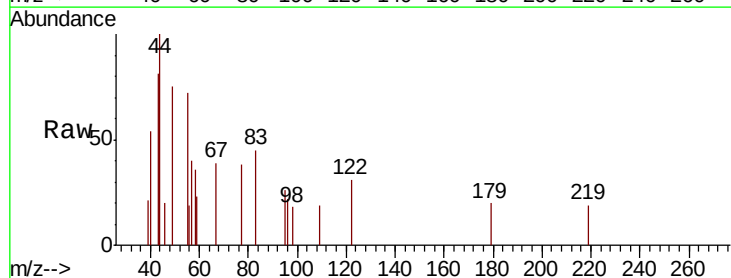
Instrument :
BNA_G
ClientSampleId :

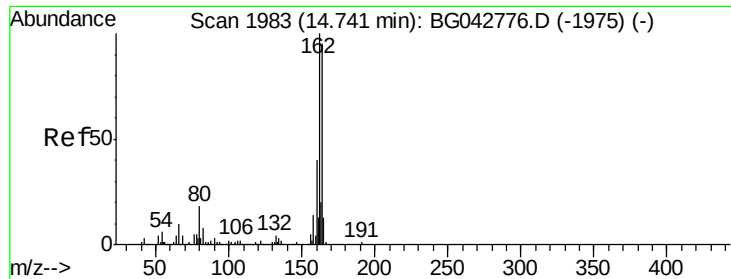
Tot Ion	82	Resp	652276
Ion Ratio	100	Lower	Upper
128	38.5	29.8	44.8
54	57.5	46.1	69.1



#32
Benzoic acid
Concen: 5.996 ng
RT: 10.16 min Scan# 1204
Delta R.T. -0.03 min
Lab File: BG042832.D
Acq: 14 Sep 2019 00:54

Tgt Ion	122	Resp	167
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	104.0	144.0#
77	122.4	84.2	124.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042832.D

Acq: 14 Sep 2019 00:54

Instrument :

BNA_G

ClientSampleId :

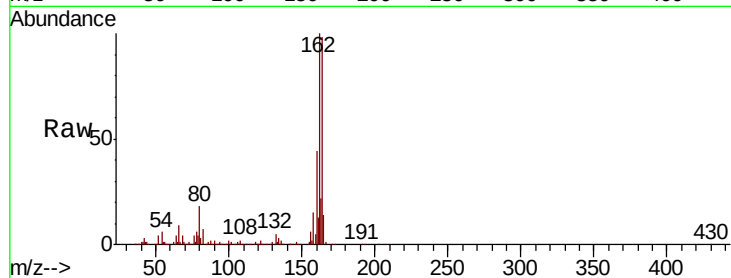
Tot Ion:164 Resp: 274537

Ion Ratio Lower Upper

164 100

162 101.5 84.6 126.8

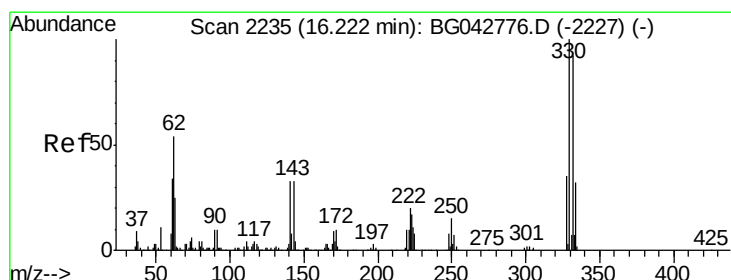
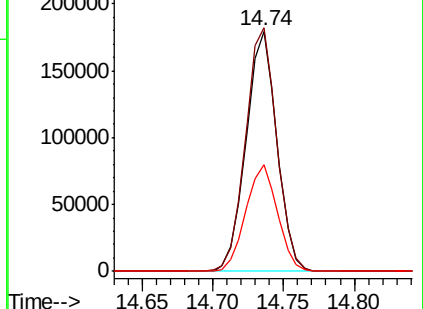
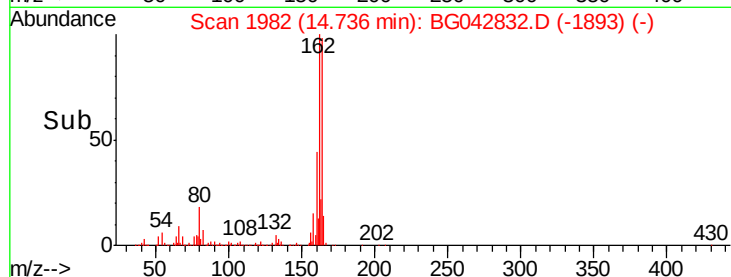
160 44.5 34.2 51.2



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: 115.222 ng

RT: 16.22 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BG042832.D

Acq: 14 Sep 2019 00:54

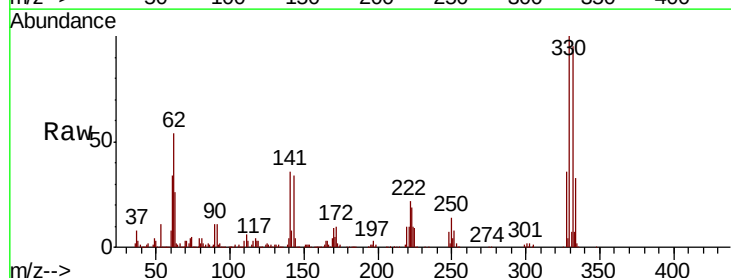
Tgt Ion:330 Resp: 420847

Ion Ratio Lower Upper

330 100

332 95.4 76.7 115.1

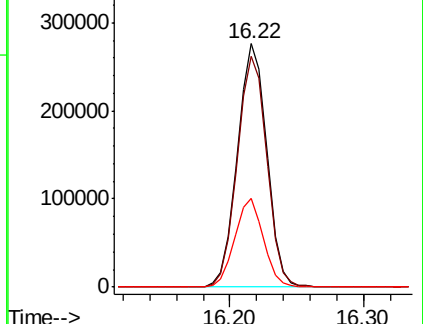
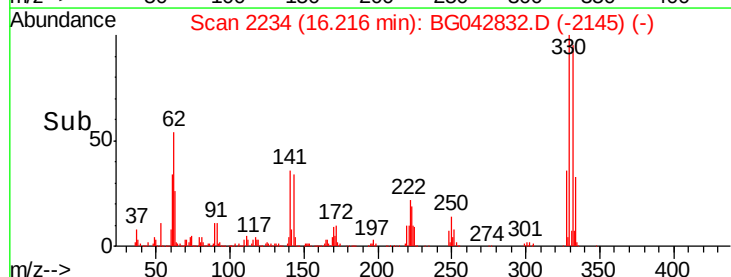
141 35.7 27.0 40.6

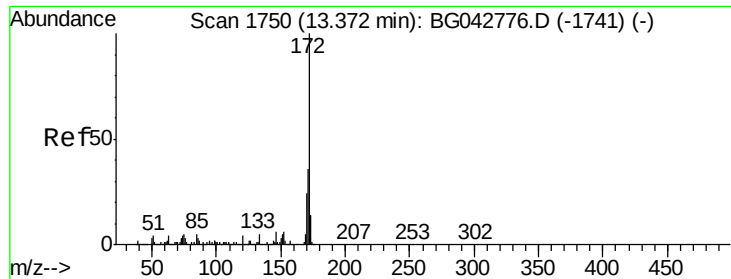


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

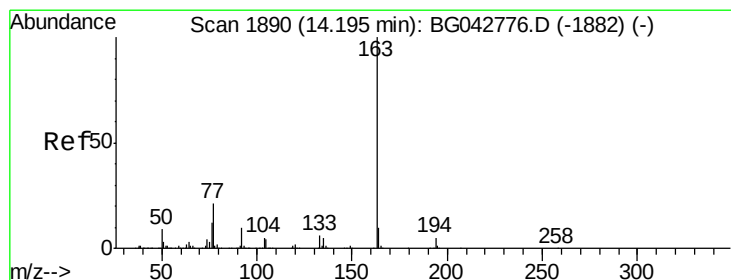
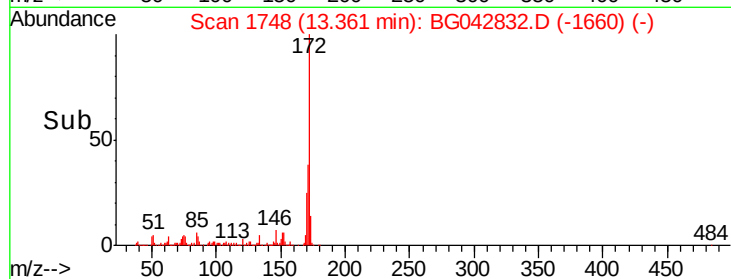
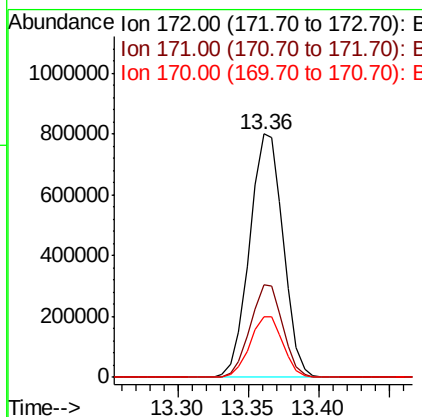
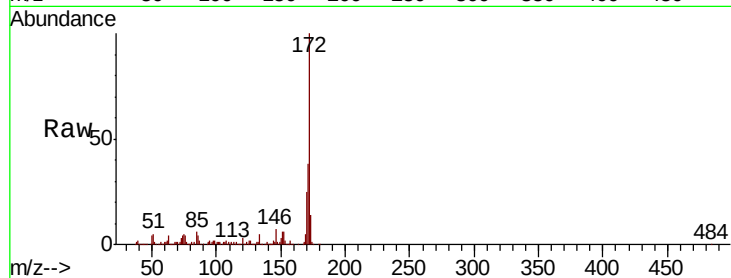




#45
2-Fluorobiphenyl
Concen: 76.865 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.01 min
Lab File: BG042832.D
Acq: 14 Sep 2019 00:54

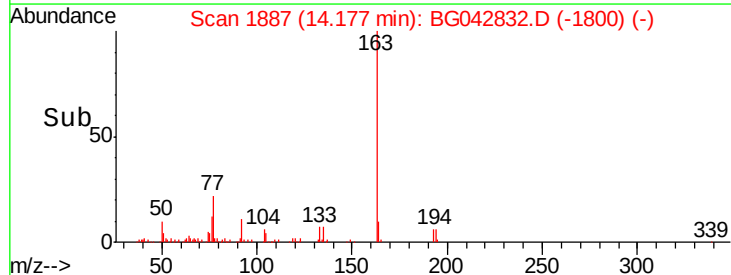
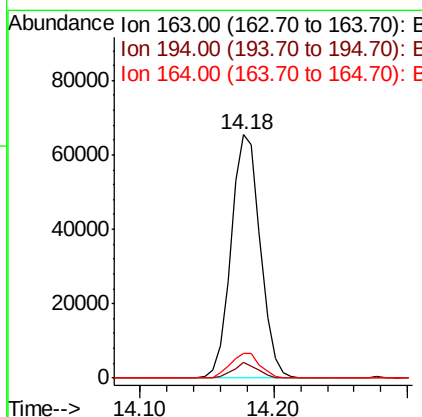
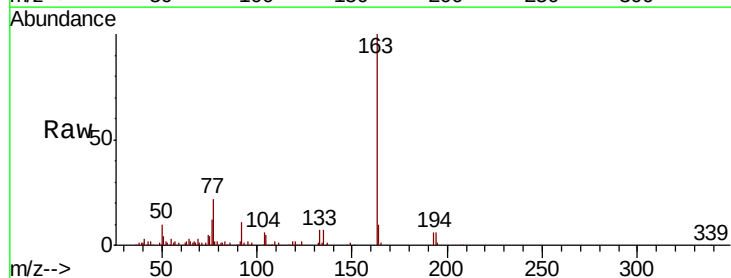
Instrument :
BNA_G
ClientSampleId :

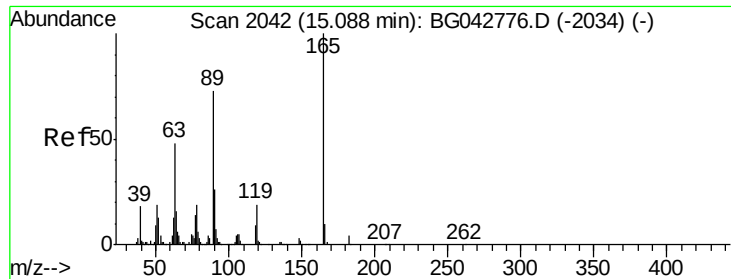
Tot Ion:172 Resp: 1333111
Ion Ratio Lower Upper
172 100
171 38.1 28.9 43.3
170 24.6 19.1 28.7



#50
Dimethylphthalate
Concen: 4.850 ng
RT: 14.18 min Scan# 1887
Delta R.T. -0.02 min
Lab File: BG042832.D
Acq: 14 Sep 2019 00:54

Tgt Ion:163 Resp: 99754
Ion Ratio Lower Upper
163 100
194 6.5 4.2 6.4#
164 10.3 8.4 12.6

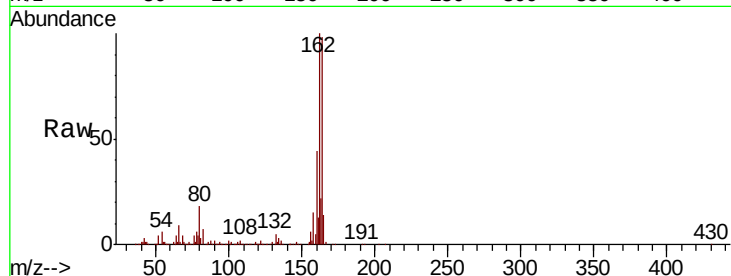




#57
 2,4-Dinitrotoluene
 Concen: 6.584 ng
 RT: 14.74 min Scan# 1982
 Delta R.T. -0.35 min
 Lab File: BG042832.D
 Acq: 14 Sep 2019 00:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	38.3	57.5#
89	0.9	58.4	87.6#
182	0.0	2.9	4.3#



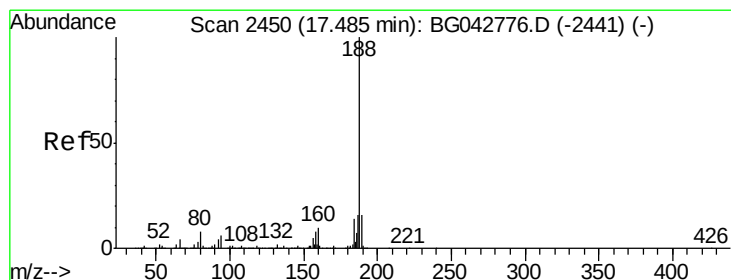
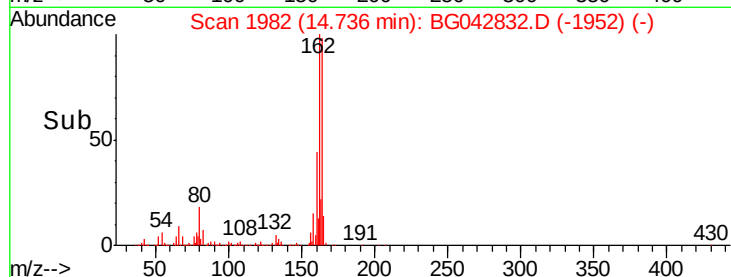
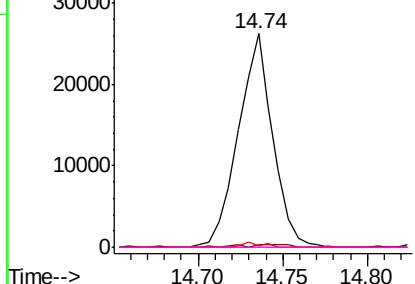
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

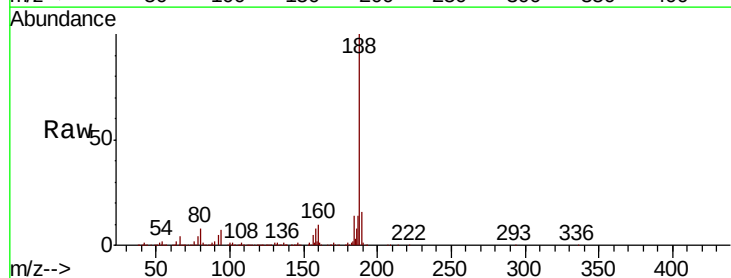
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BG042832.D
 Acq: 14 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	4.8	7.2
80	8.2	6.6	9.8

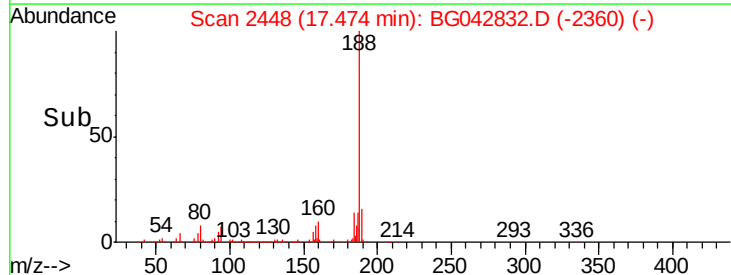
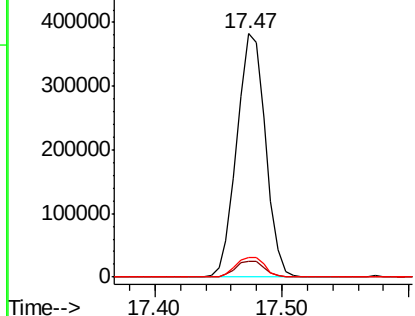


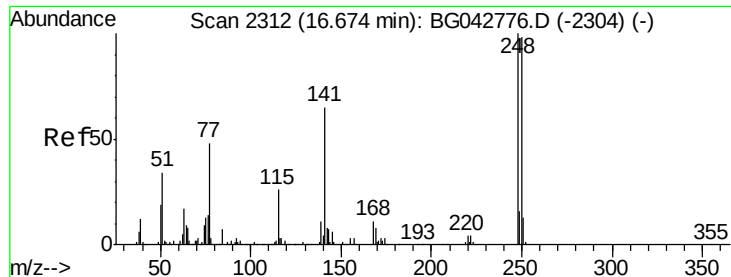
Abundance

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

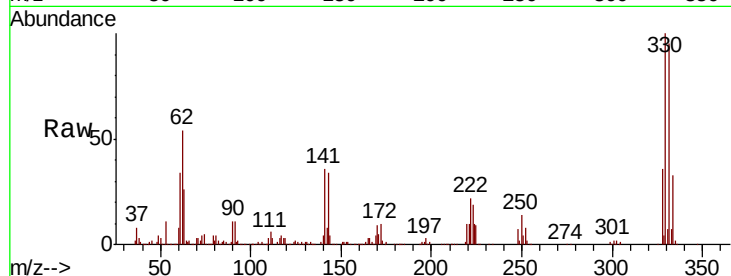




#67
 4-Bromophenyl-phenylether
 Concen: 4.010 ng
 RT: 16.22 min Scan# 2234
 Delta R.T. -0.46 min
 Lab File: BG042832.D
 Acq: 14 Sep 2019 00:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	191.1	78.0	117.0#
141	492.6	51.8	77.6#

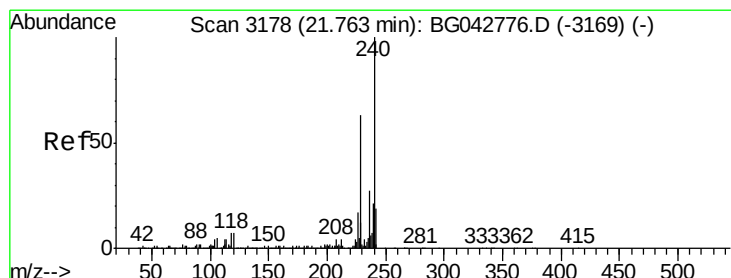
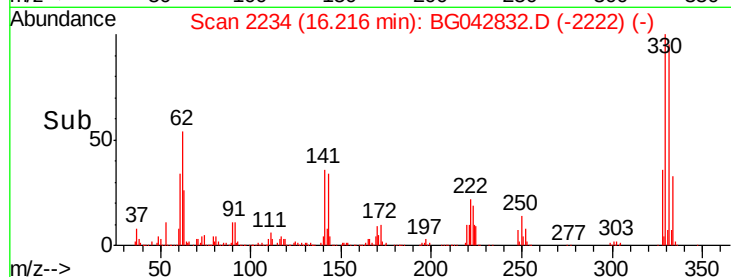
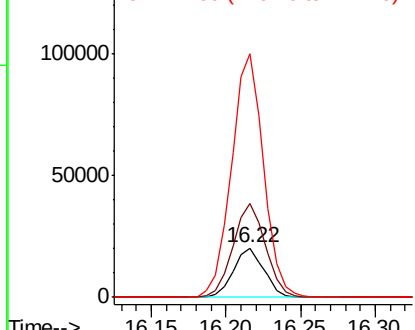


Abundance

Ion 248.00 (247.70 to 248.70): E

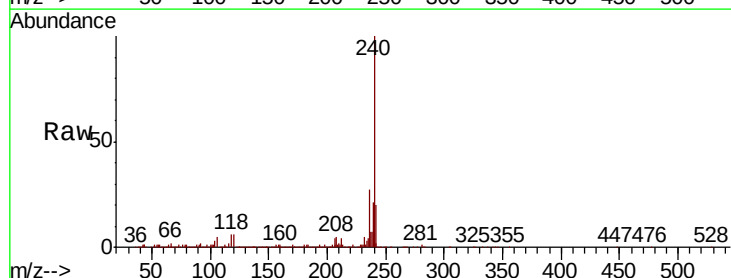
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3176
 Delta R.T. -0.01 min
 Lab File: BG042832.D
 Acq: 14 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.4	5.4	8.2
236	26.8	21.7	32.5

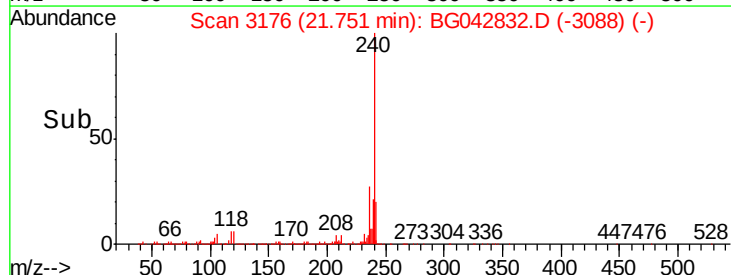
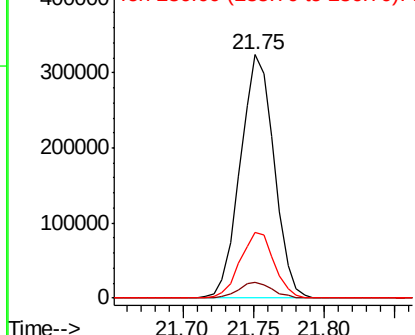


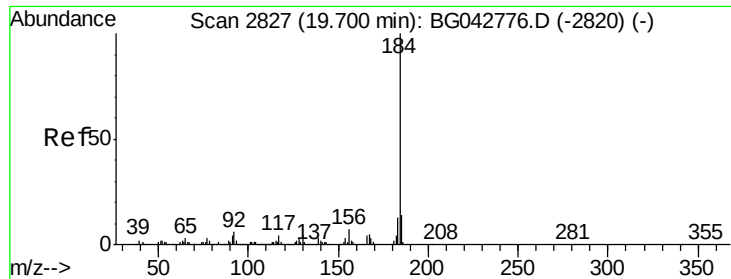
Abundance

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





#77

Benzidine

Concen: 2.176 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.38 min

Lab File: BG042832.D

Acq: 14 Sep 2019 00:54

Instrument :

BNA_G

ClientSampleId :

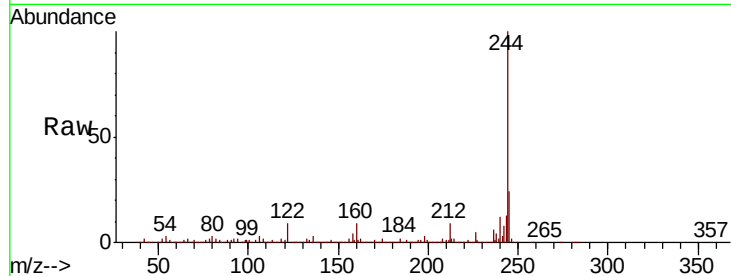
Tot Ion:184 Resp: 33047

Ion Ratio Lower Upper

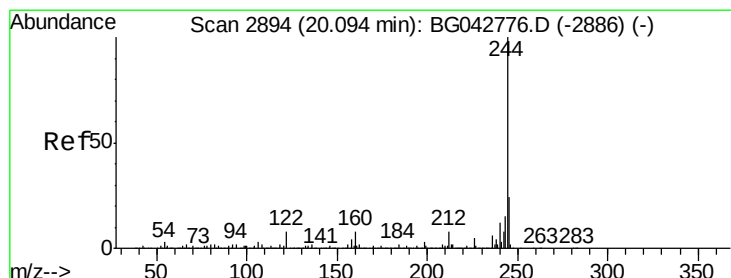
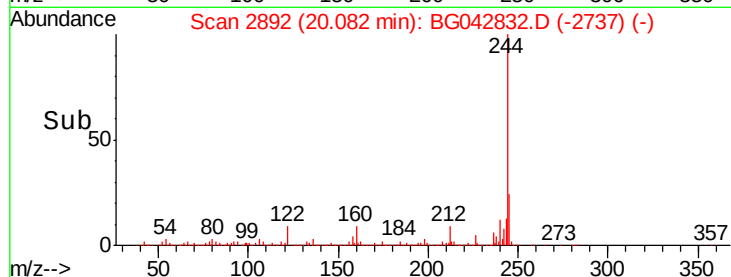
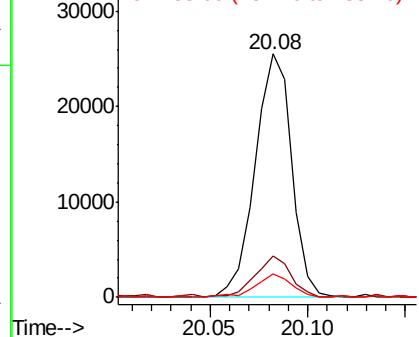
184 100

185 16.9 11.6 17.4

183 9.6 10.4 15.6#



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: 77.854 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042832.D

Acq: 14 Sep 2019 00:54

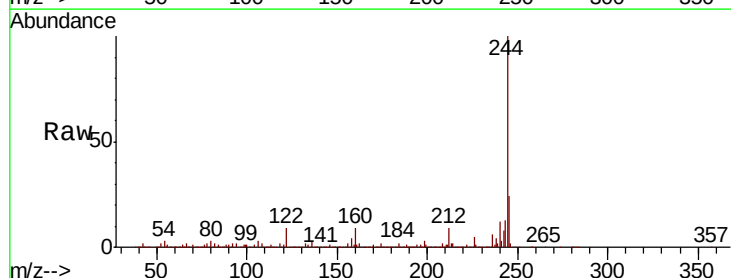
Tgt Ion:244 Resp: 1909465

Ion Ratio Lower Upper

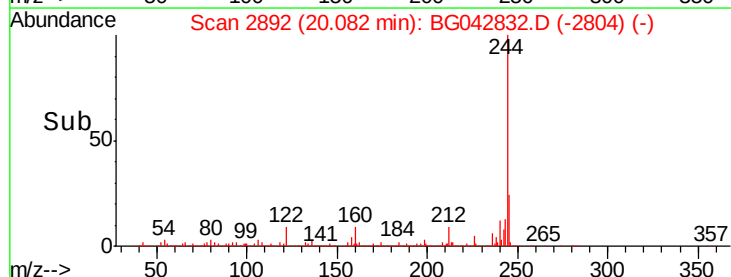
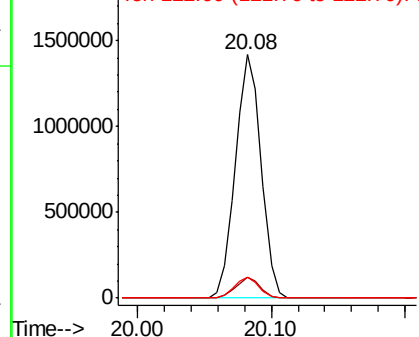
244 100

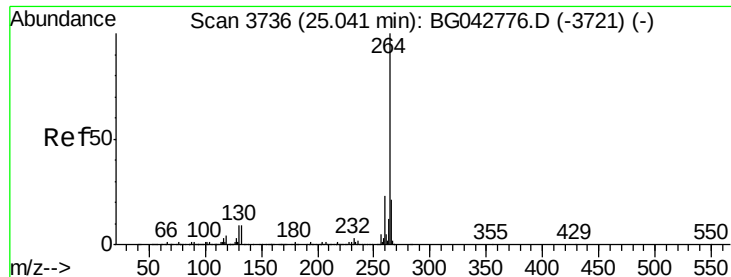
212 8.6 6.6 10.0

122 8.7 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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3732
 Delta R.T. -0.02 min
 Lab File: BG042832.D
 Acq: 14 Sep 2019 00:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.2	27.2
265	22.0	16.9	25.3

