

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
 Data File : BG042856.D
 Acq On : 16 Sep 2019 19:50
 Operator : HP/JU
 Sample : K4866-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 01:21:02 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	106565	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	392690	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	260077	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	576941	20.00	ng	0.00
76) Chrysene-d12	21.75	240	570161	20.00	ng	0.00
87) Perylene-d12	25.03	264	632830	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	366225	59.75	ng	0.00
7) Phenol-d6	7.27	99	330857	37.61	ng	0.00
23) Nitrobenzene-d5	9.27	82	804673	106.68	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	528802	152.83	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1649889	100.42	ng	0.00
79) Terphenyl-d14	20.09	244	2440324	94.86	ng	0.00

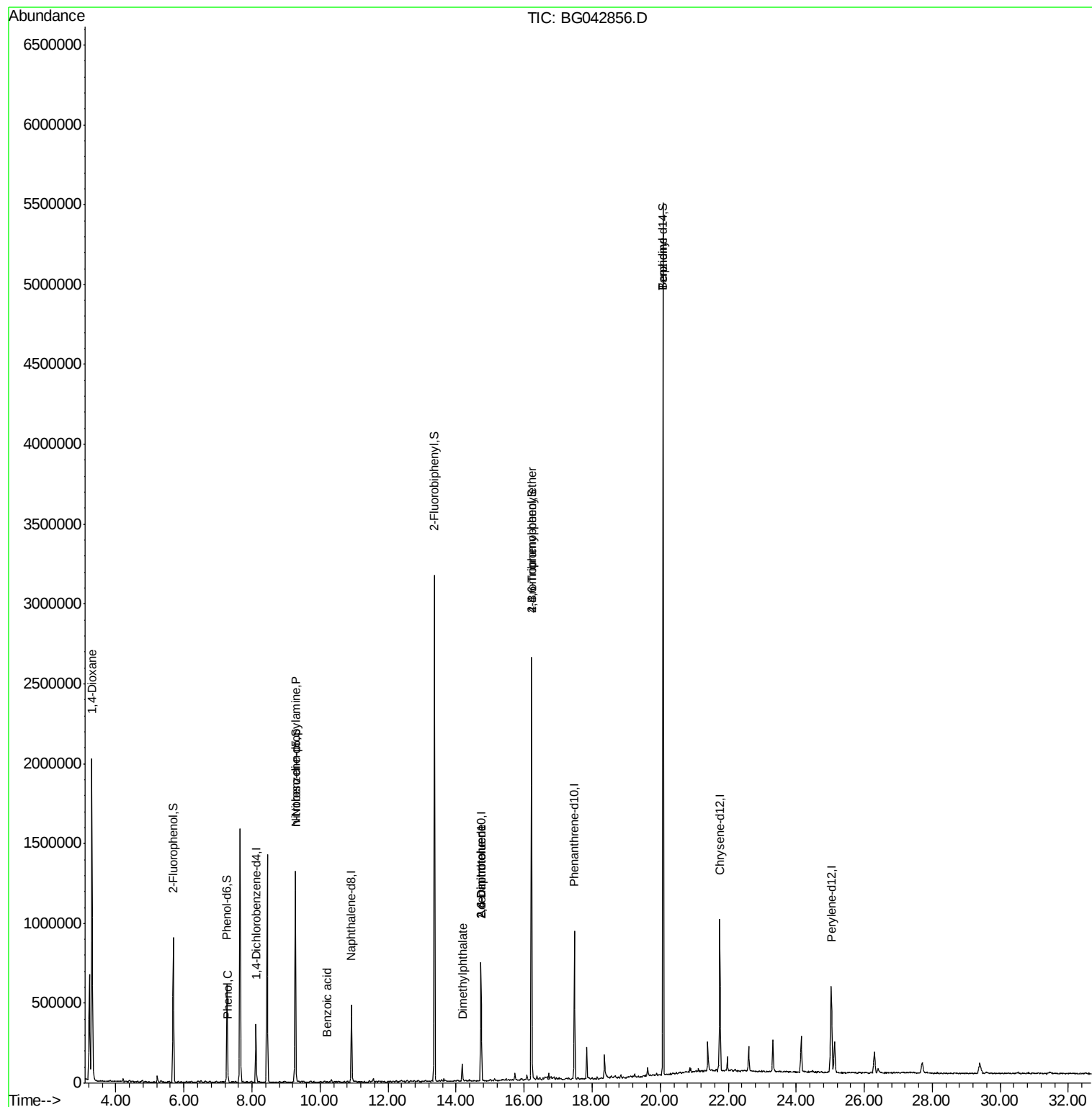
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	18707	6.687	ng	# 1
10) Phenol	7.29	94	20327	2.253	ng	95
19) n-Nitroso-di-n-propylamine	9.27	70	115524	17.820	ng	# 69
32) Benzoic acid	10.21	122	62	5.977	ng	# 1
50) Dimethylphthalate	14.18	163	70370	3.612	ng	99
51) 2,6-Dinitrotoluene	14.73	165	36017	9.009	ng	# 19
57) 2,4-Dinitrotoluene	14.73	165	36017	6.759	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	35365	5.064	ng	# 1
77) Benzidine	20.09	184	44560	2.797	ng	# 92

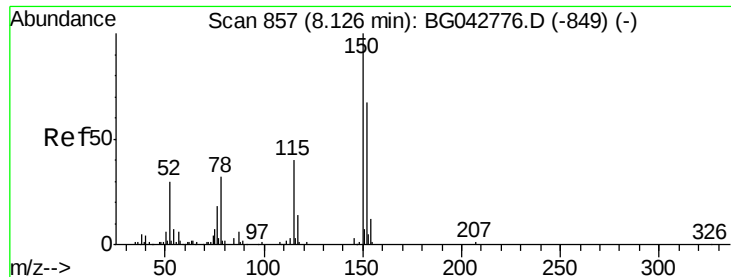
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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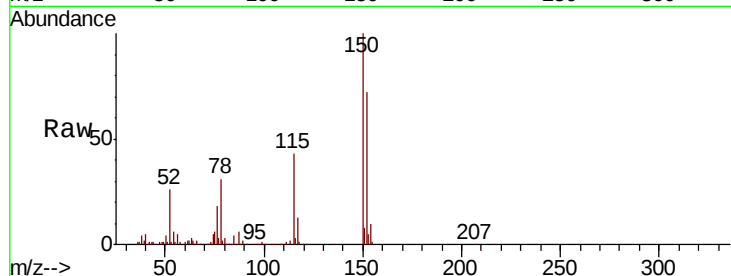


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042856.D
Acq: 16 Sep 2019 19:50

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.2	118.9	178.3
115	59.3	47.4	71.2

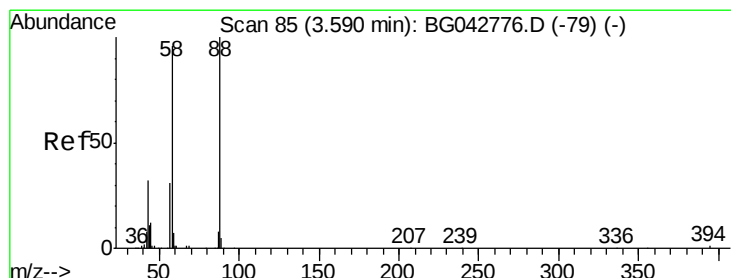
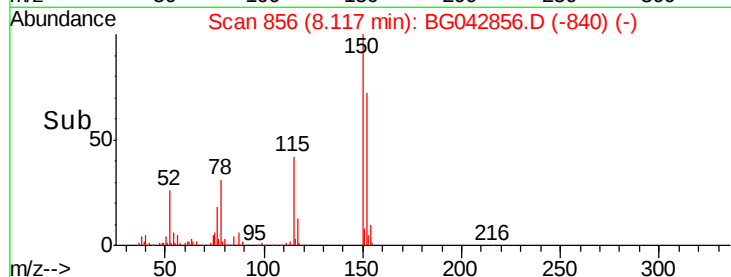
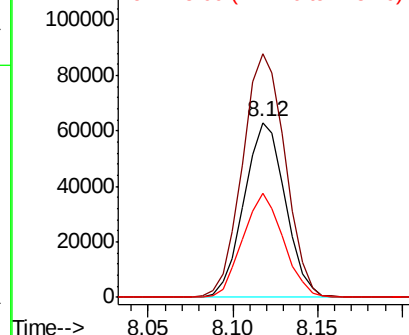


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

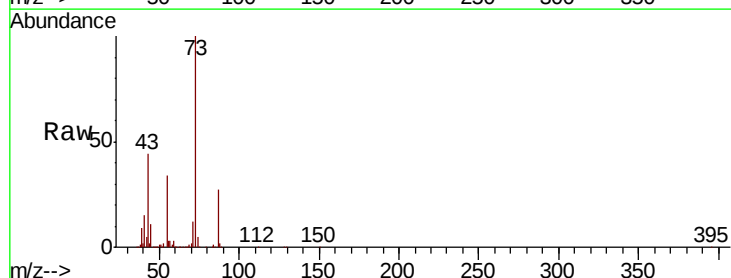
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 6.687 ng
RT: 3.29 min Scan# 35
Delta R.T. -0.30 min
Lab File: BG042856.D
Acq: 16 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	37.6	79.1	118.7#
43	2641.7	30.4	45.6#

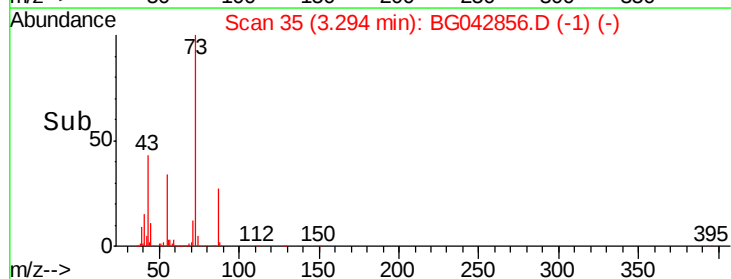
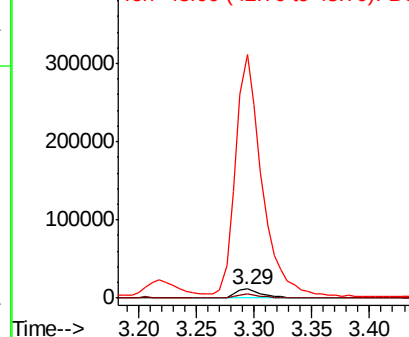


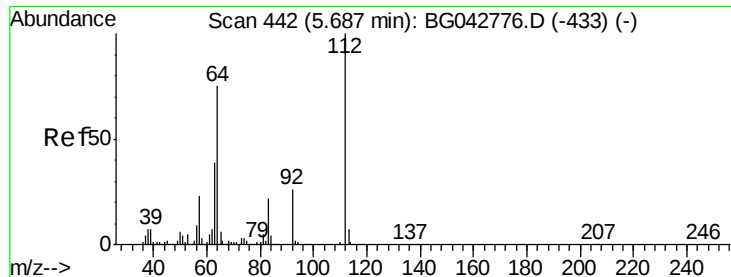
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 59.748 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.00 min

Lab File: BG042856.D

Acq: 16 Sep 2019 19:50

Instrument :

BNA_G

ClientSampleId :

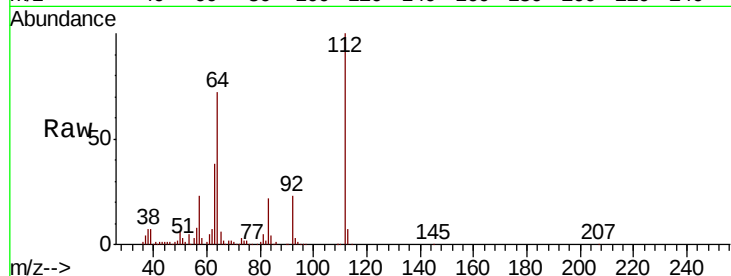
Tot Ion:112 Resp: 366225

Ion Ratio Lower Upper

112 100

64 71.7 60.2 90.2

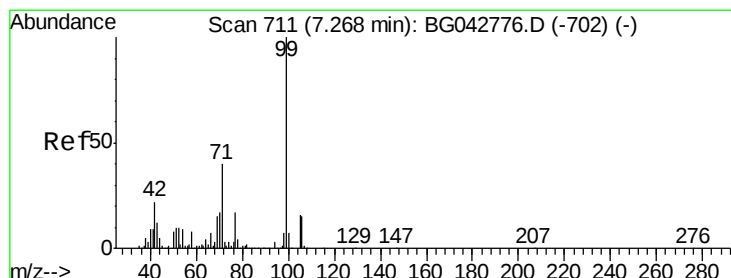
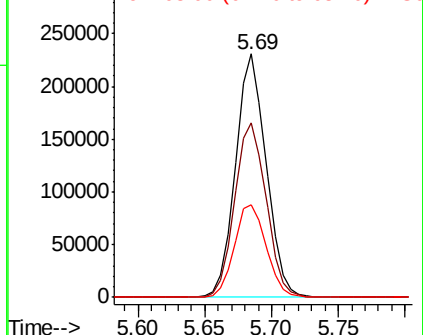
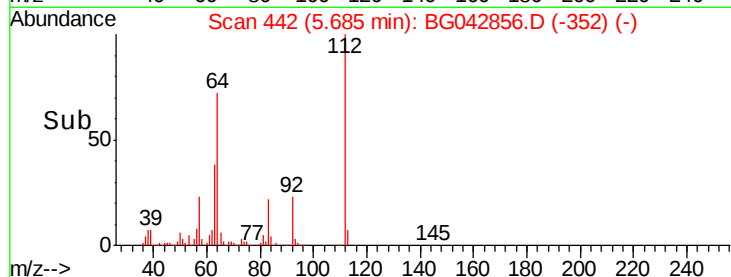
63 38.1 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 37.606 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042856.D

Acq: 16 Sep 2019 19:50

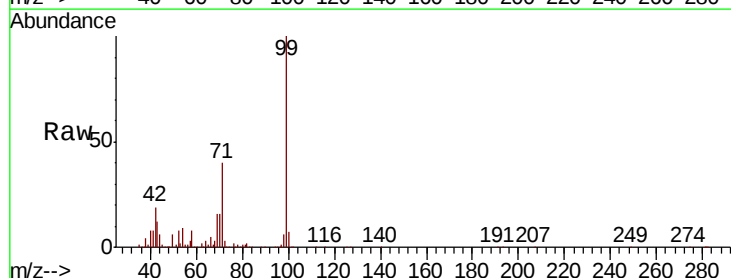
Tgt Ion: 99 Resp: 330857

Ion Ratio Lower Upper

99 100

42 19.4 17.5 26.3

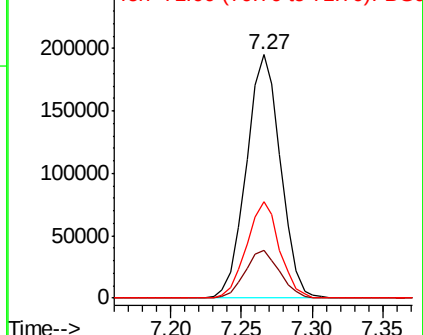
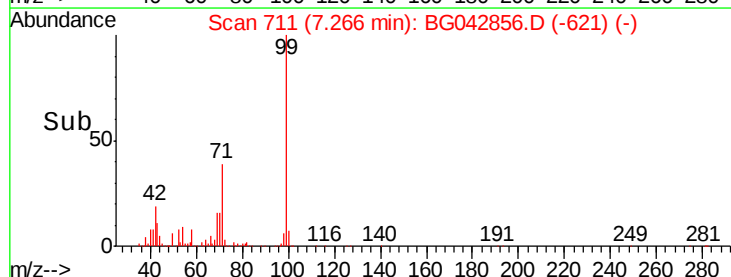
71 39.6 32.0 48.0

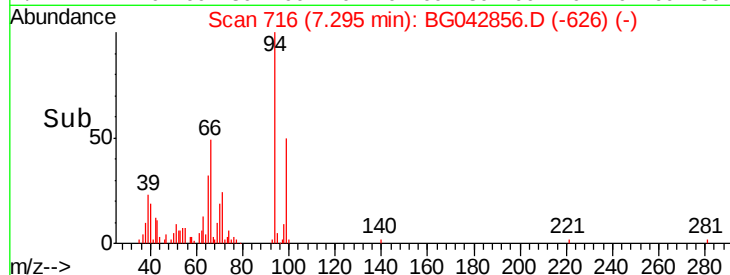
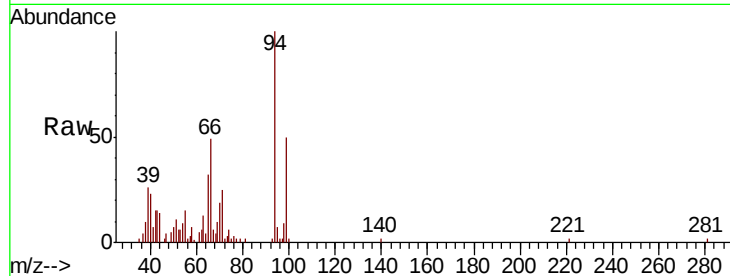
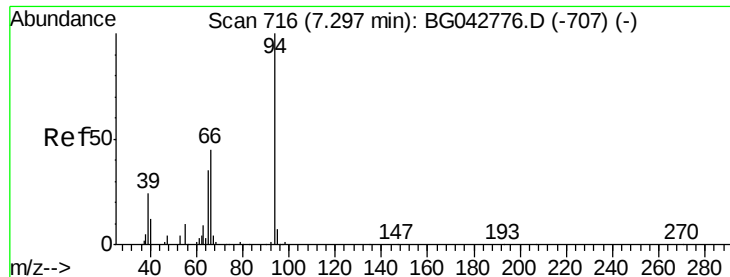


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.253 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG042856.D

Acq: 16 Sep 2019 19:50

Instrument :

BNA_G

ClientSampleId :

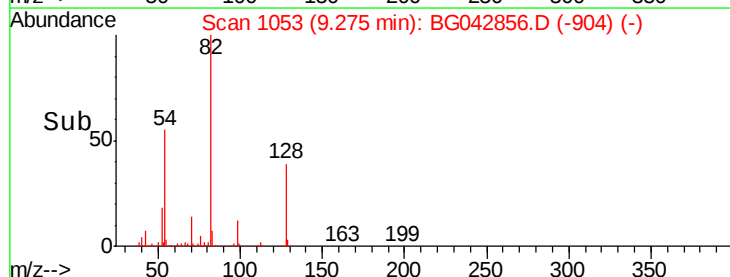
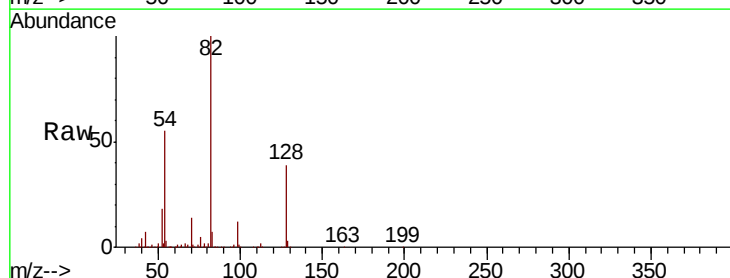
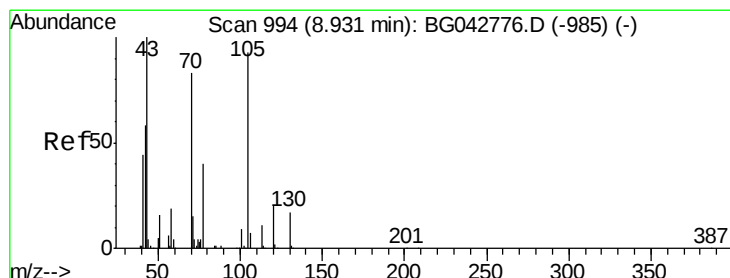
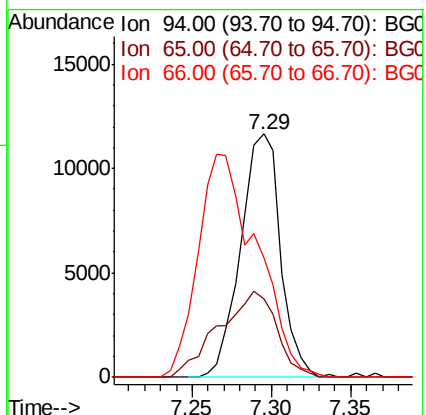
Tot Ion: 94 Resp: 20327

Ion Ratio Lower Upper

94 100

65 32.1 15.0 55.0

66 48.9 26.1 66.1



#19

n-Nitroso-di-n-propylamine

Concen: 17.820 ng

RT: 9.27 min Scan# 1053

Delta R.T. 0.34 min

Lab File: BG042856.D

Acq: 16 Sep 2019 19:50

Tgt Ion: 70 Resp: 115524

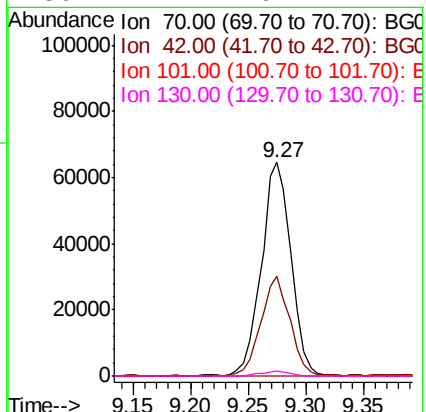
Ion Ratio Lower Upper

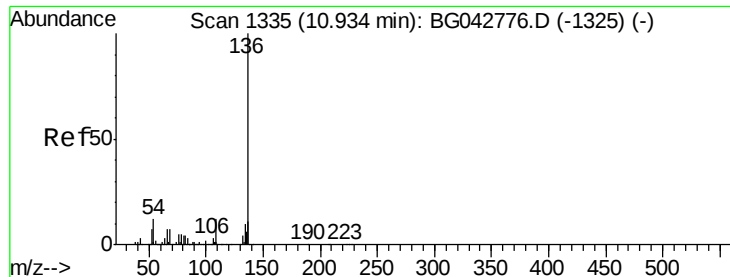
70 100

42 46.6 57.0 85.6#

101 0.0 8.4 12.6#

130 2.7 16.1 24.1#

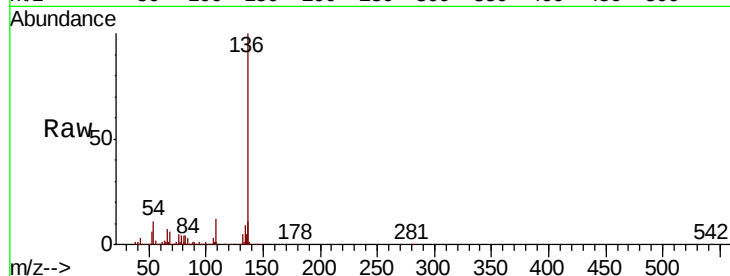




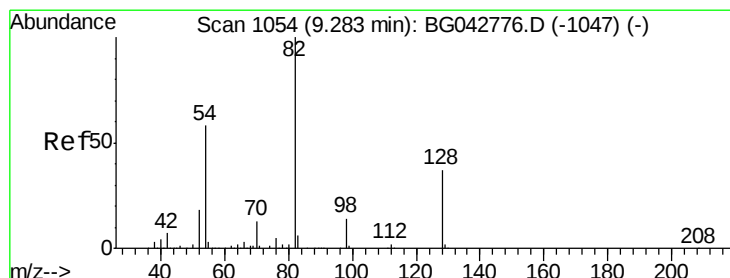
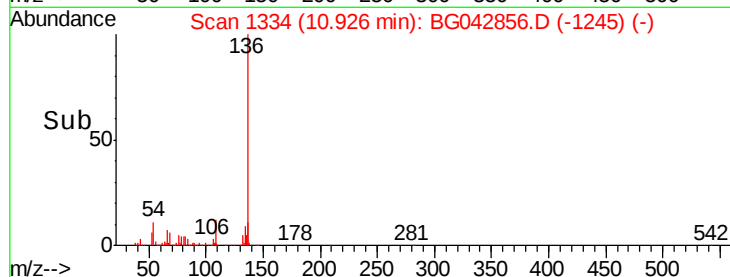
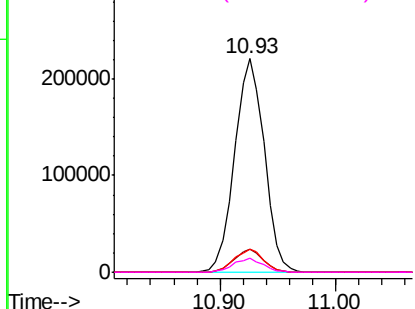
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042856.D
Acq: 16 Sep 2019 19:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	392690	
Ion Ratio	Lower	Upper	
136 100			
137 10.6	9.0	13.6	
54 11.0	9.4	14.0	
68 6.4	5.4	8.2	

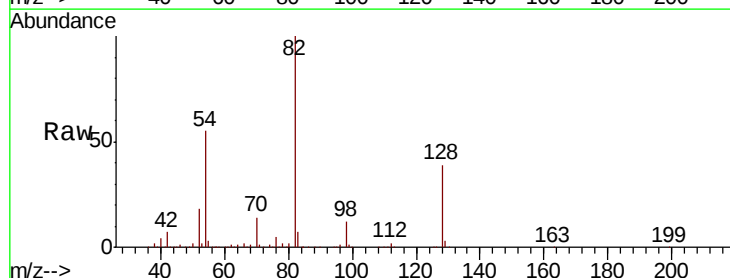


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

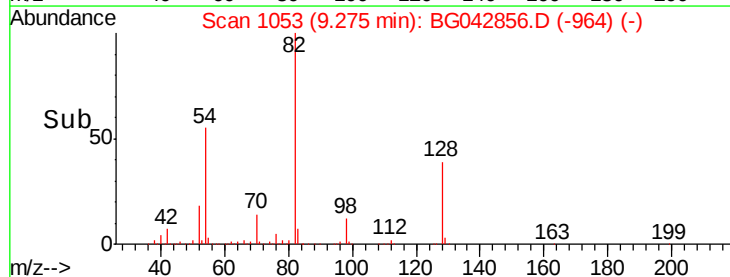
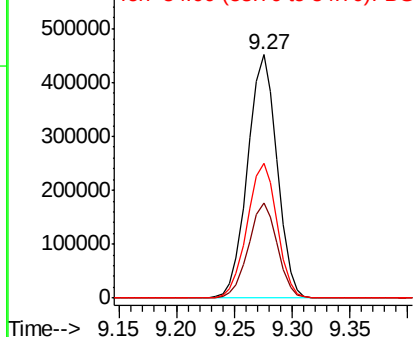


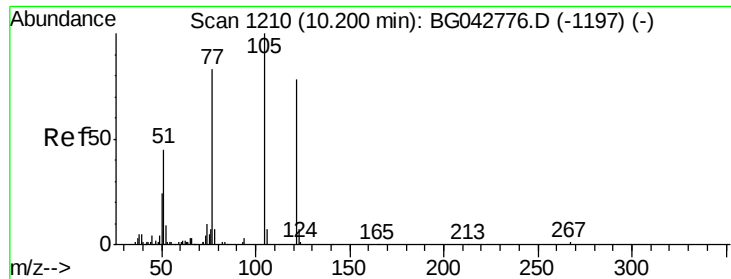
#23
Nitrobenzene-d5
Concen: 106.683 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042856.D
Acq: 16 Sep 2019 19:50

Tgt	Ion: 82	Resp:	804673
Ion	Ratio	Lower	Upper
82	100		
128	39.0	29.8	44.8
54	55.3	46.1	69.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

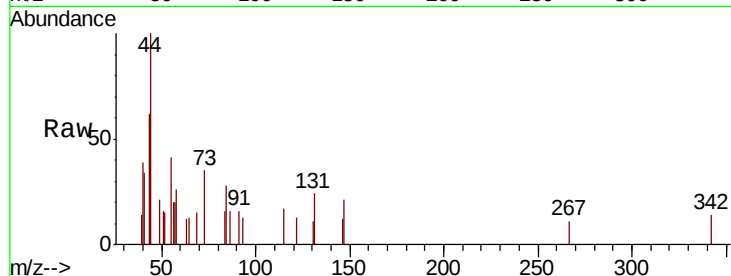




#32
Benzoic acid
Concen: 5.977 ng
RT: 10.21 min Scan# 1212
Delta R.T. 0.01 min
Lab File: BG042856.D
Acq: 16 Sep 2019 19:50

Instrument :
BNA_G
ClientSampleId :

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

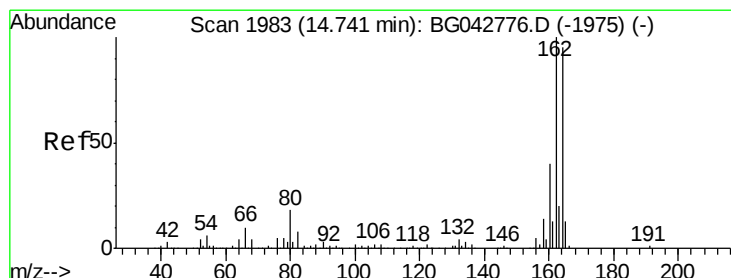
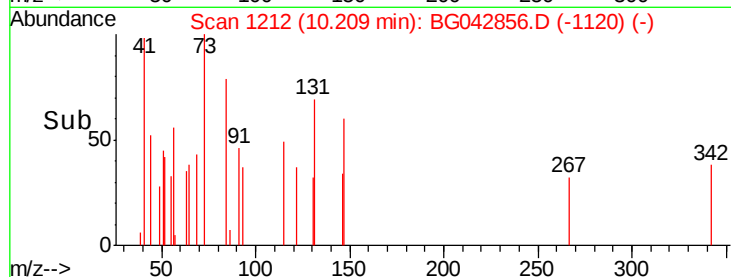
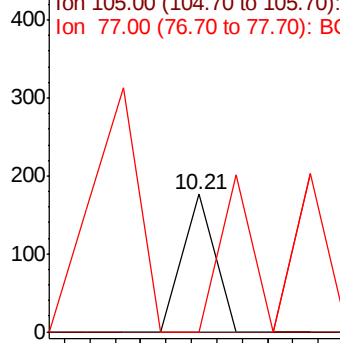


Abundance

Ion 122.00 (121.70 to 122.70): E

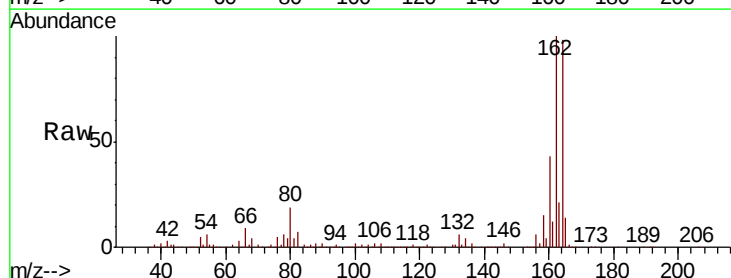
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BG042856.D
Acq: 16 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	84.6	126.8
160	44.4	34.2	51.2

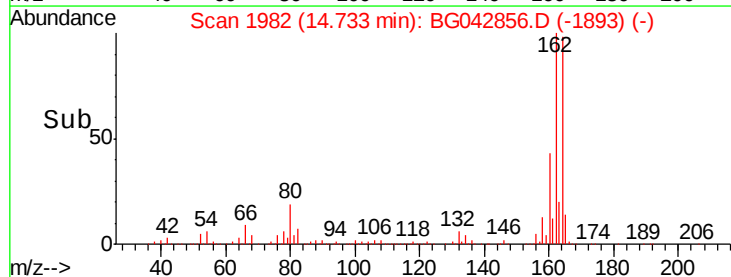
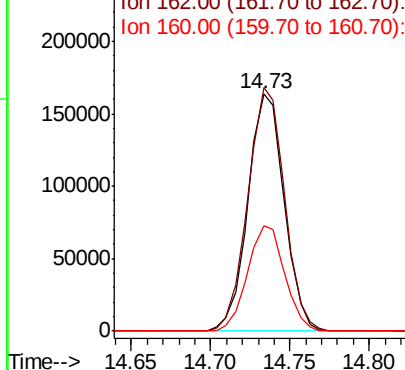


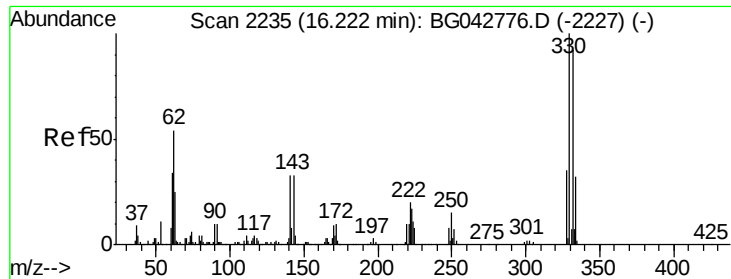
Abundance

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

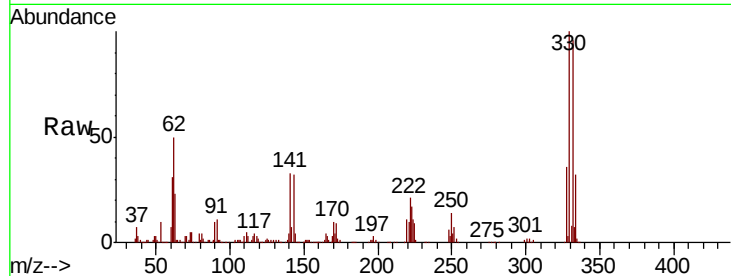




#42
 2,4,6-Tribromophenol
 Concen: 152.828 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG042856.D
 Acq: 16 Sep 2019 19:50

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.7	115.1
141	34.7	27.0	40.6

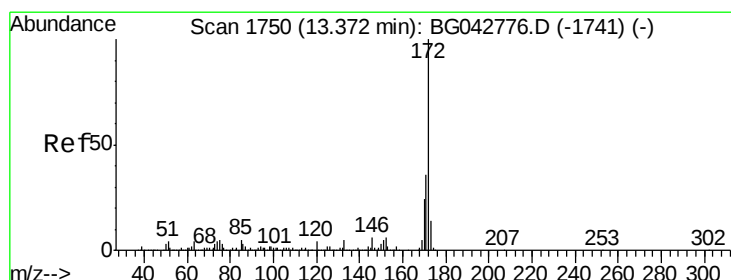
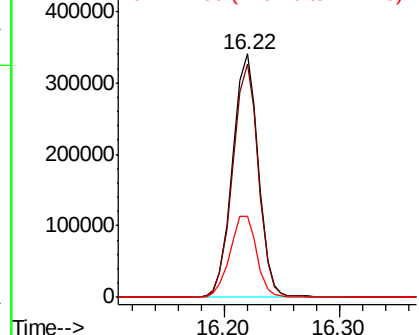
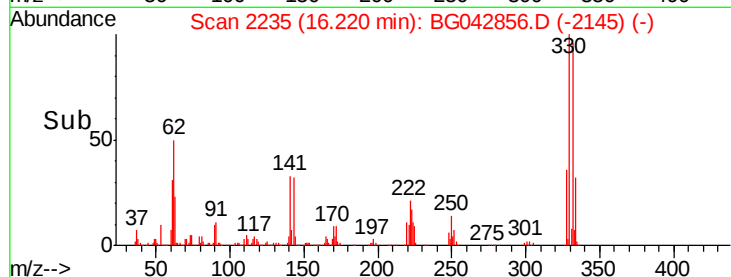


Abundance

Ion 329.80 (329.50 to 330.50): E

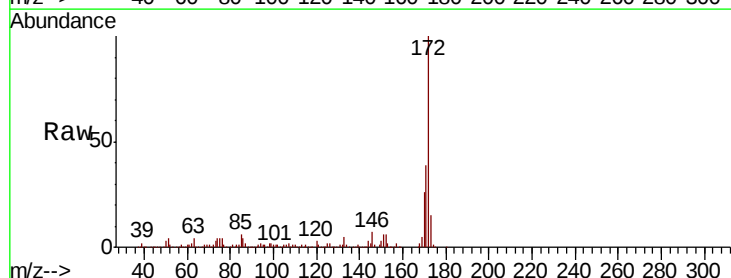
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 100.419 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042856.D
 Acq: 16 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	28.9	43.3
170	25.9	19.1	28.7

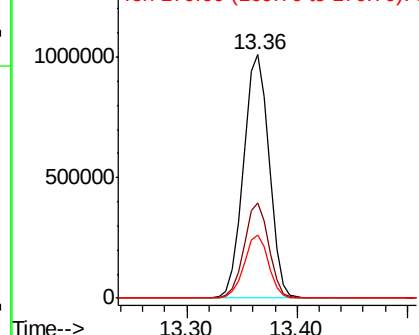
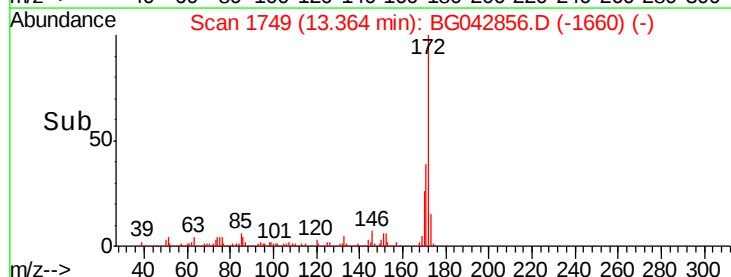


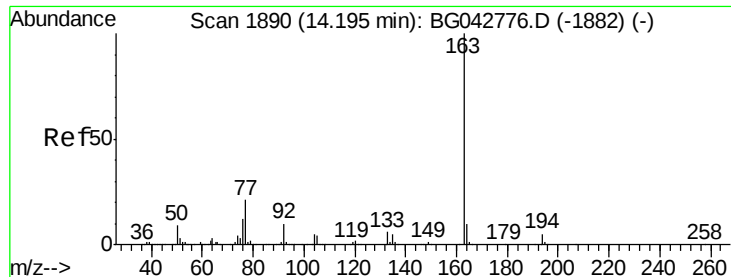
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.612 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BG042856.D

Acq: 16 Sep 2019 19:50

Instrument :

BNA_G

ClientSampleId :

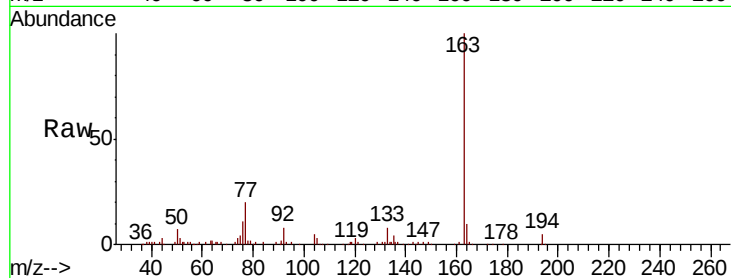
Tot Ion:163 Resp: 70370

Ion Ratio Lower Upper

163 100

194 4.7 4.2 6.4

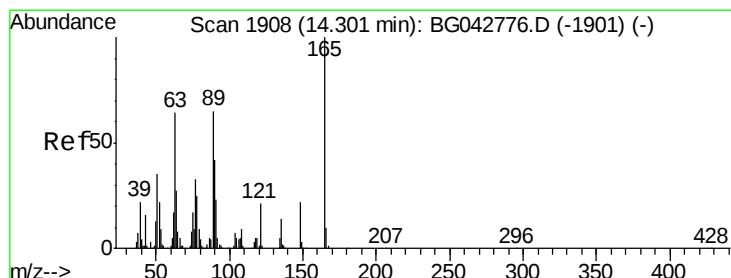
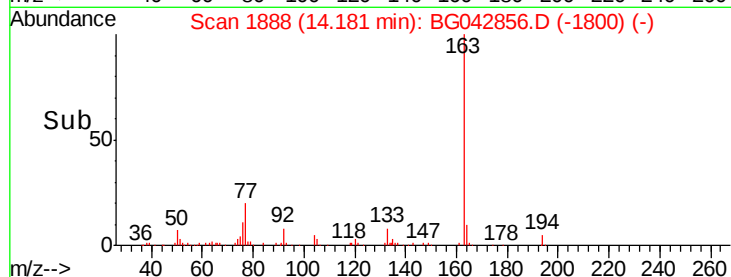
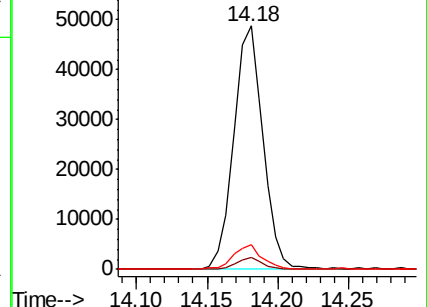
164 10.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 9.009 ng

RT: 14.73 min Scan# 1982

Delta R.T. 0.43 min

Lab File: BG042856.D

Acq: 16 Sep 2019 19:50

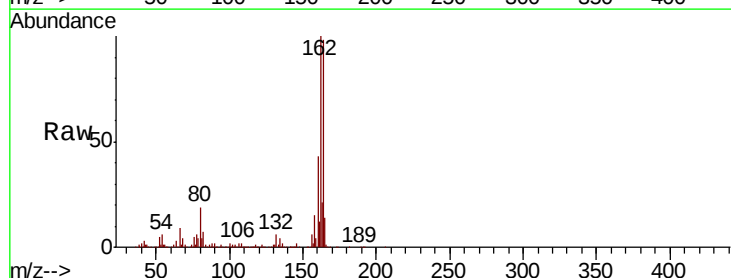
Tgt Ion:165 Resp: 36017

Ion Ratio Lower Upper

165 100

63 0.0 52.1 78.1#

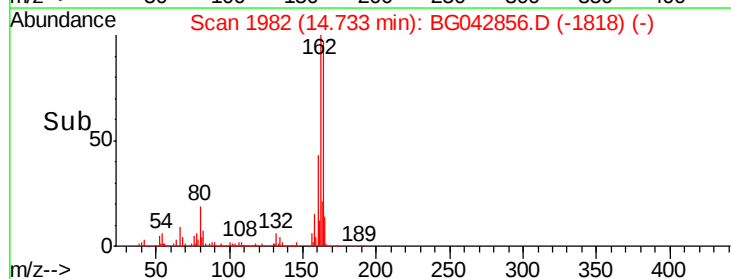
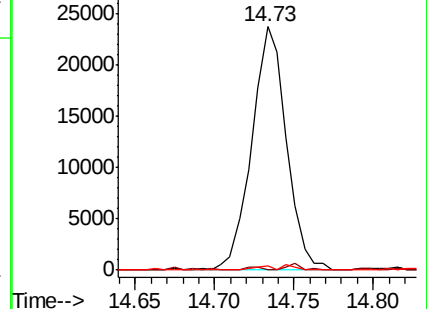
89 1.8 51.7 77.5#

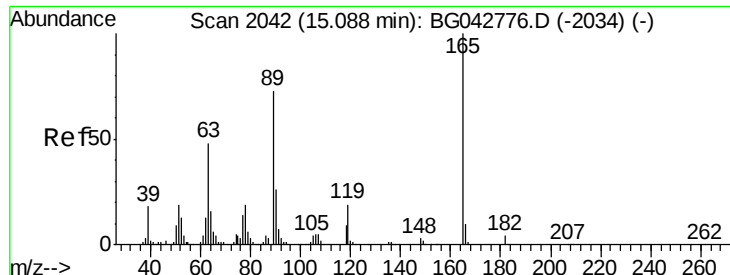


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

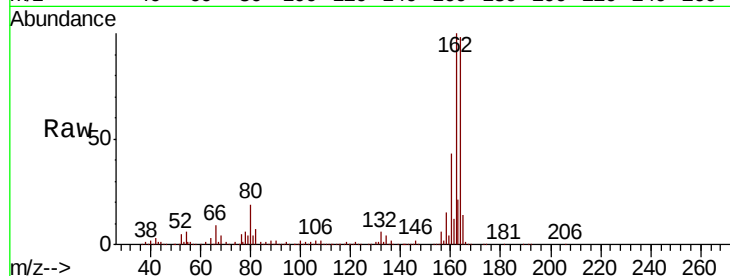




#57
2,4-Dinitrotoluene
Concen: 6.759 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.35 min
Lab File: BG042856.D
Acq: 16 Sep 2019 19:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.3	57.5#
89	1.8	58.4	87.6#
182	0.0	2.9	4.3#

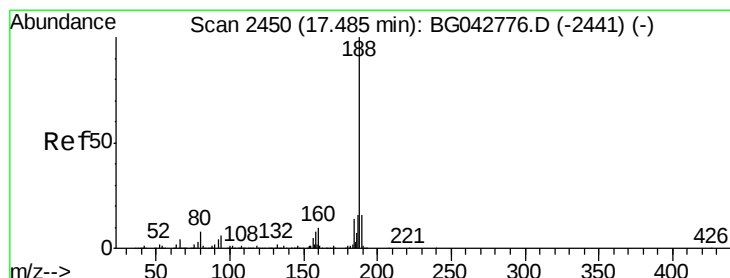
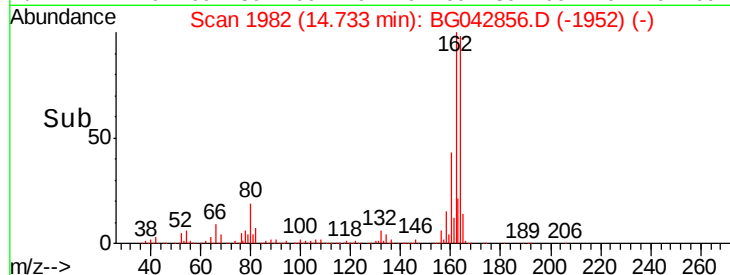
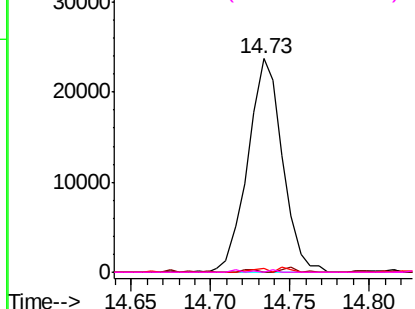


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

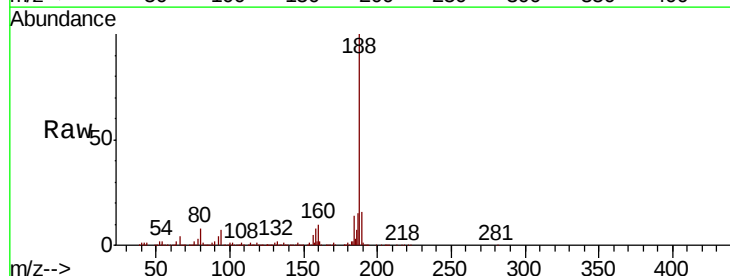
Ion 89.00 (88.70 to 89.70): BGC

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: BG042856.D
Acq: 16 Sep 2019 19:50

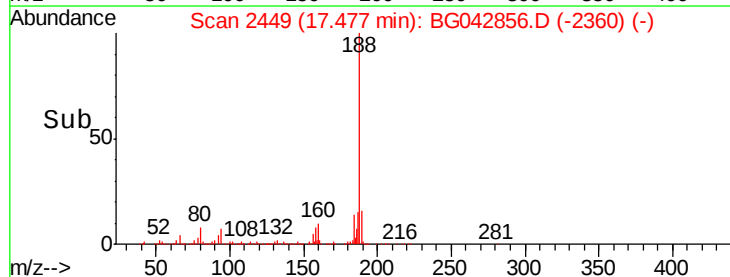
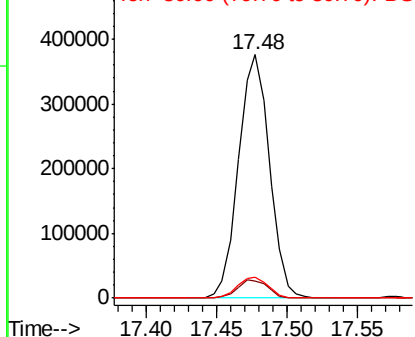
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	4.8	7.2
80	8.4	6.6	9.8

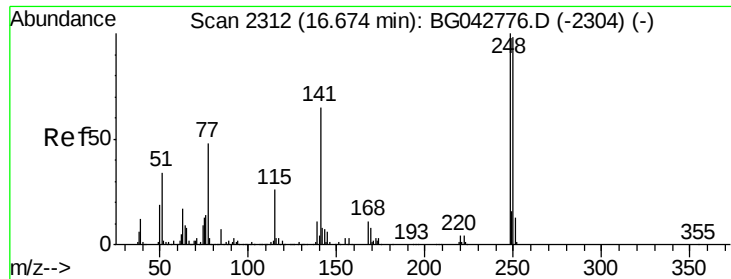


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

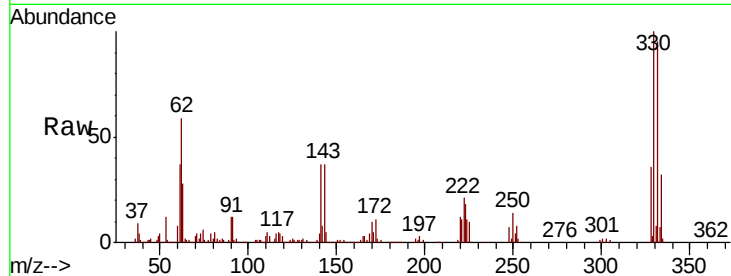




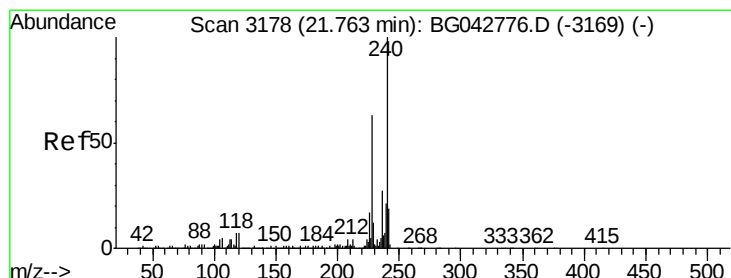
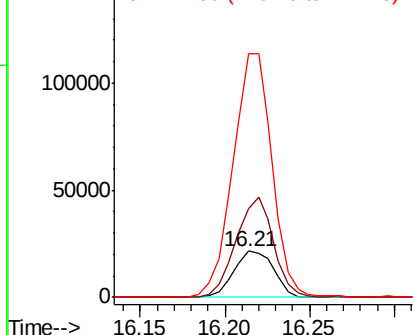
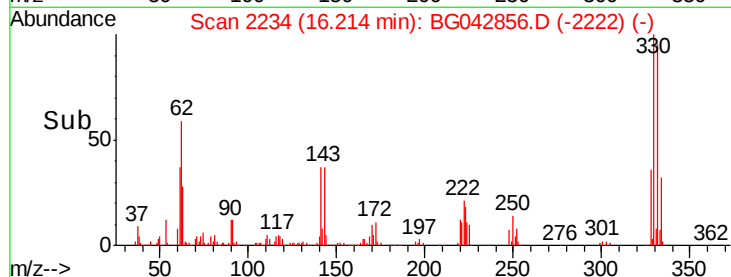
#67
 4-Bromophenyl-phenylether
 Concen: 5.064 ng
 RT: 16.21 min Scan# 2234
 Delta R.T. -0.46 min
 Lab File: BG042856.D
 Acq: 16 Sep 2019 19:50

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 35365
 Ion Ratio Lower Upper
 248 100
 250 193.2 78.0 117.0#
 141 528.6 51.8 77.6#

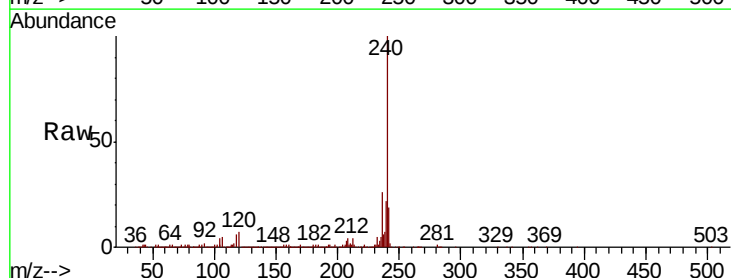


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

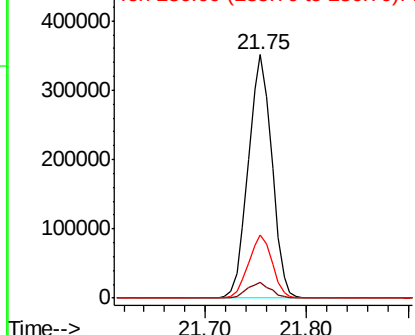
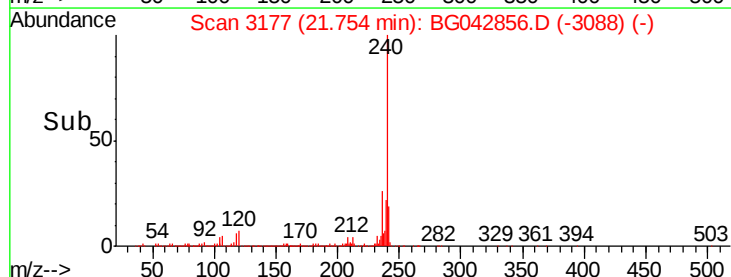


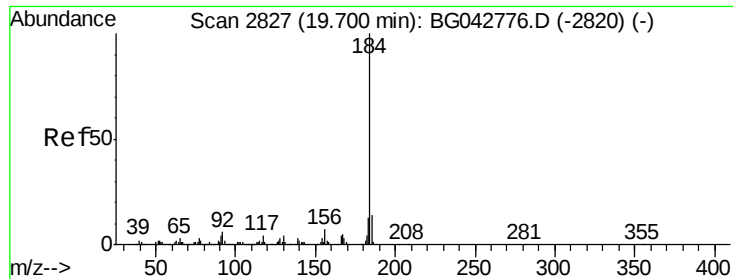
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3177
 Delta R.T. -0.01 min
 Lab File: BG042856.D
 Acq: 16 Sep 2019 19:50

Tgt Ion:240 Resp: 570161
 Ion Ratio Lower Upper
 240 100
 120 6.5 5.4 8.2
 236 25.7 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: 2.797 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.39 min

Lab File: BG042856.D

Acq: 16 Sep 2019 19:50

Instrument :

BNA_G

ClientSampleId :

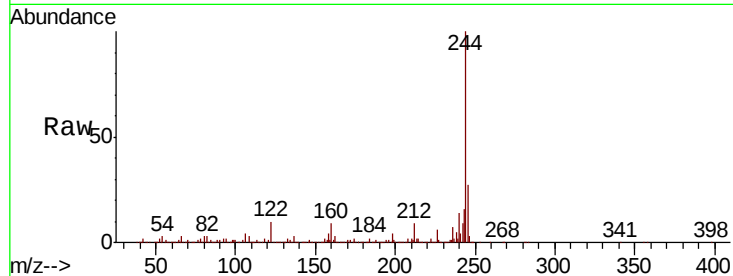
Tot Ion:184 Resp: 44560

Ion Ratio Lower Upper

184 100

185 17.3 11.6 17.4

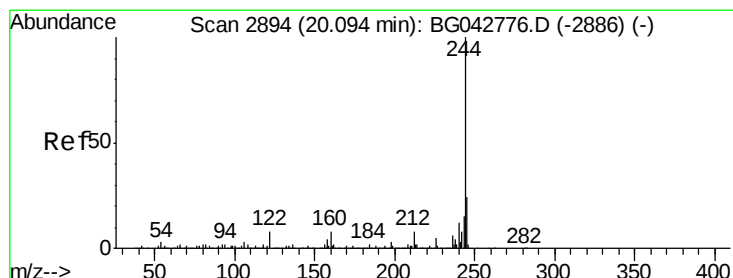
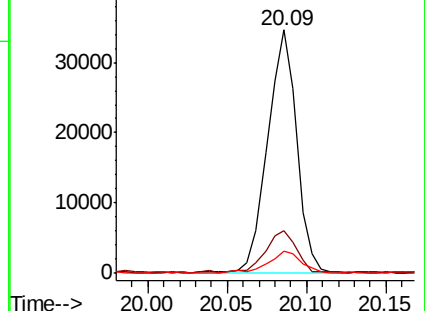
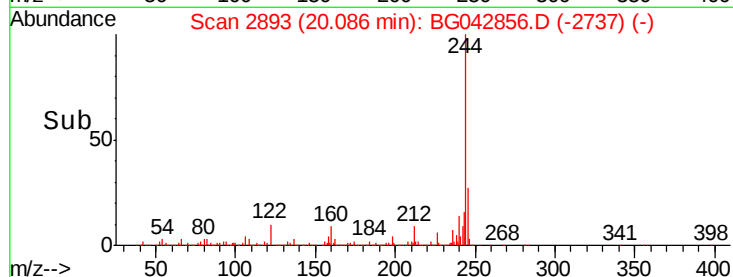
183 8.9 10.4 15.6#



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: 94.858 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042856.D

Acq: 16 Sep 2019 19:50

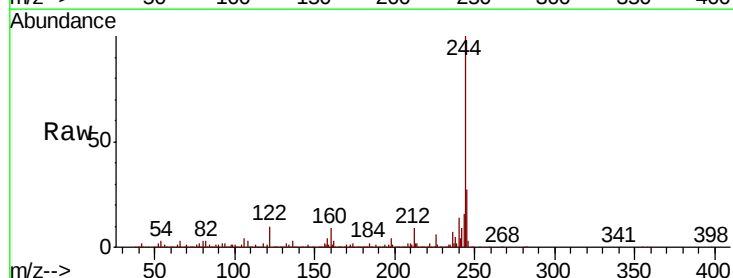
Tgt Ion:244 Resp: 2440324

Ion Ratio Lower Upper

244 100

212 9.5 6.6 10.0

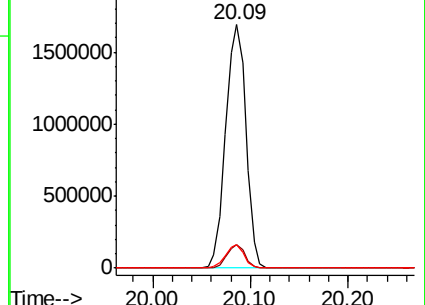
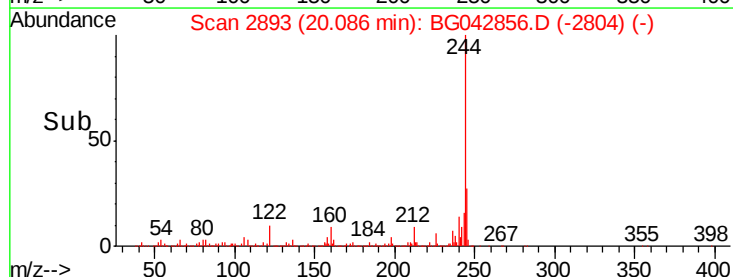
122 9.6 6.2 9.4#

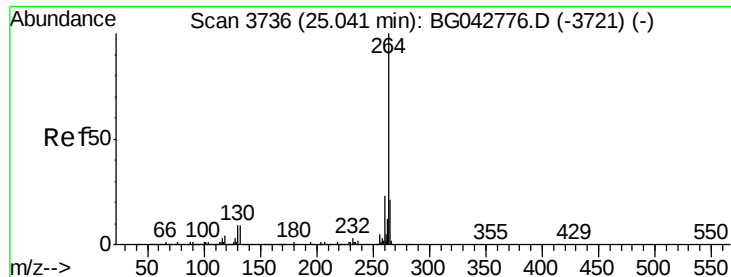


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.03 min Scan# 3734
 Delta R.T. -0.01 min
 Lab File: BG042856.D
 Acq: 16 Sep 2019 19:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.5	16.9	25.3

