

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041014.D
 Acq On : 1 Jun 2019 16:10
 Operator : HP/JU
 Sample : K3110-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 01:12:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	60287	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	240097	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	178344	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	431410	20.00	ng	0.00
76) Chrysene-d12	21.77	240	425302	20.00	ng	-0.01
87) Perylene-d12	25.11	264	449609	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	337658	101.00	ng	0.00
7) Phenol-d6	7.26	99	509843	98.74	ng	0.00
23) Nitrobenzene-d5	9.30	82	357997	66.19	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	260901	98.54	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	837298	67.61	ng	0.00
79) Terphenyl-d14	20.09	244	1361261	67.93	ng	0.00

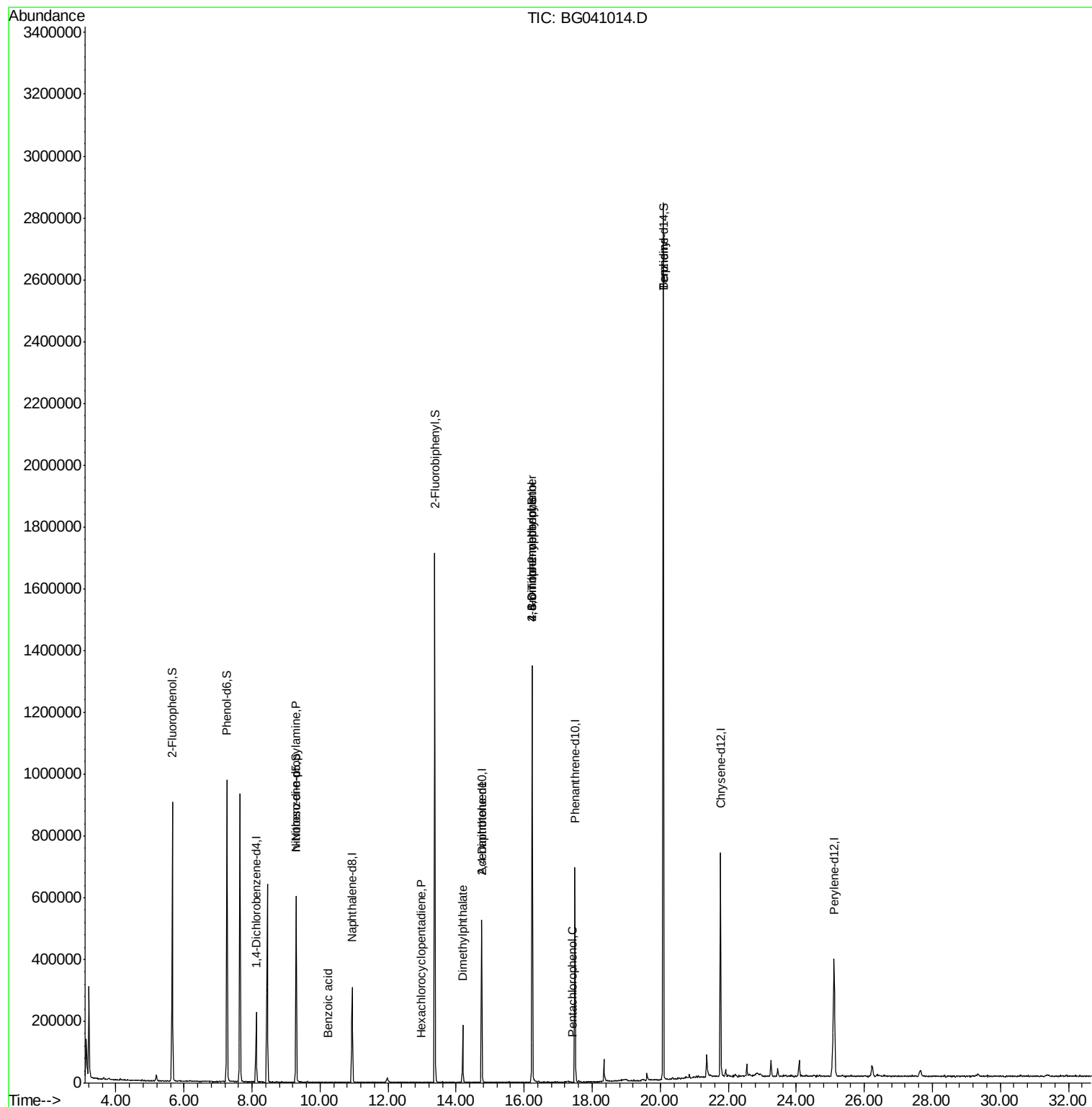
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	50091	12.606	ng	# 79
32) Benzoic acid	10.24	122	62	8.148	ng	# 36
41) Hexachlorocyclopentadiene	12.96	237	62	8.250	ng	# 26
50) Dimethylphthalate	14.19	163	119263	7.900	ng	98
57) 2,4-Dinitrotoluene	14.75	165	23141	5.033	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.23	198	641	8.817	ng	# 12
67) 4-Bromophenyl-phenylether	16.23	248	19101	3.281	ng	# 1
70) Pentachlorophenol	17.42	266	54	4.271	ng	# 18
77) Benzidine	20.09	184	23580	2.324	ng	# 93

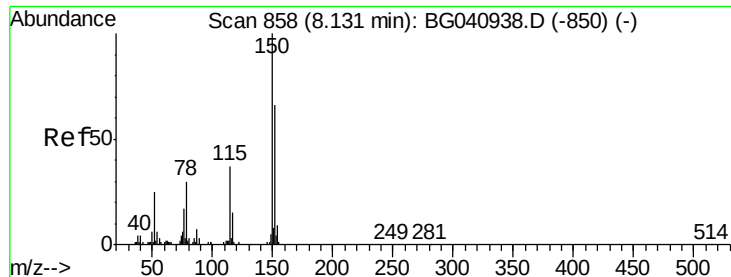
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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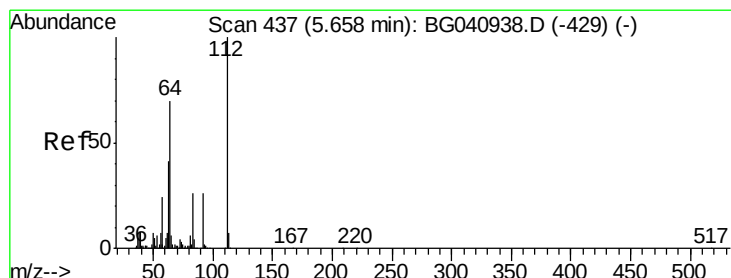
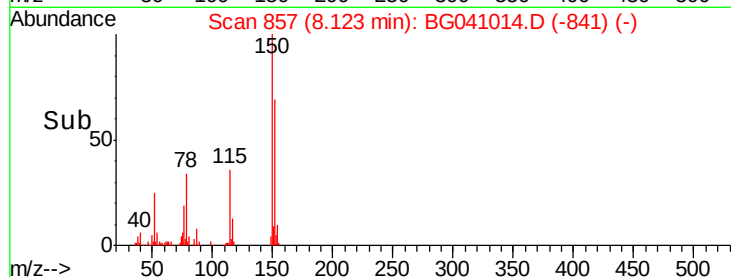
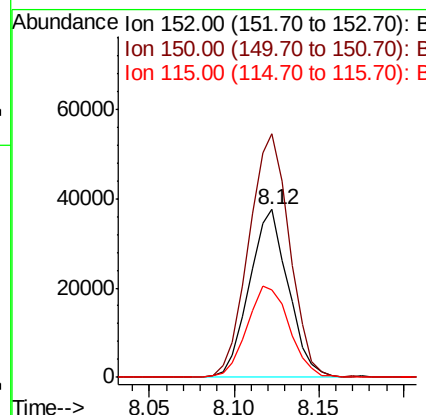
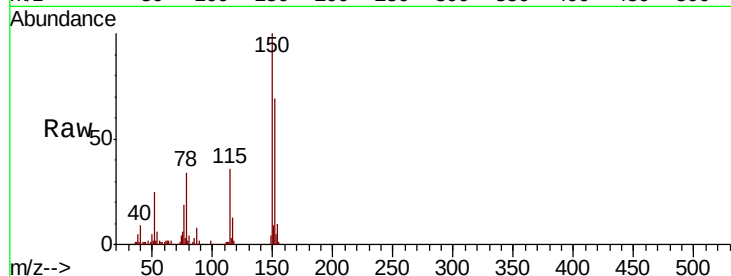


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG041014.D
Acq: 1 Jun 2019 16:10

Instrument :
BNA_G
ClientSampleId :

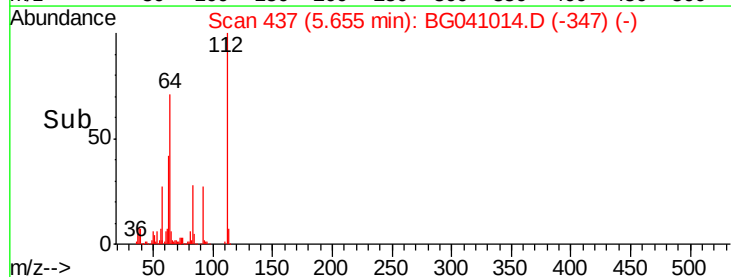
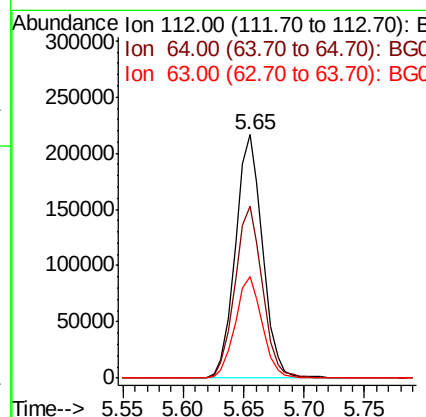
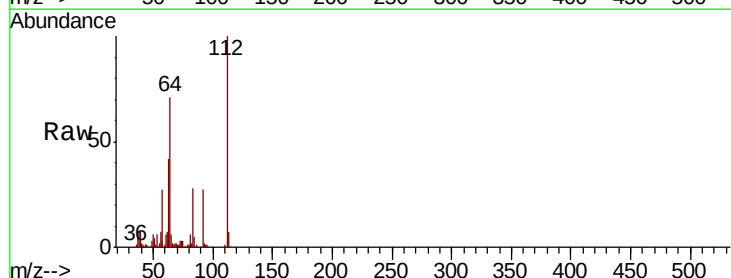
Tot Ion	Ratio	Lower	Upper
152	100		
150	145.0	120.6	180.8
115	51.8	45.1	67.7

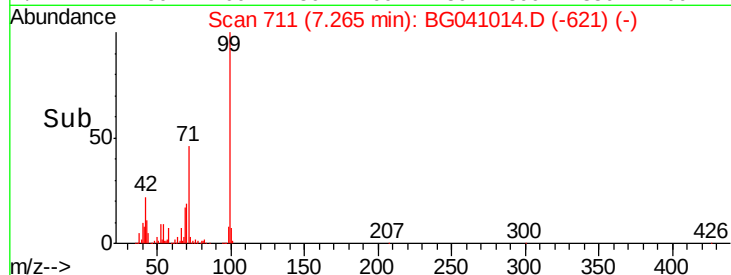
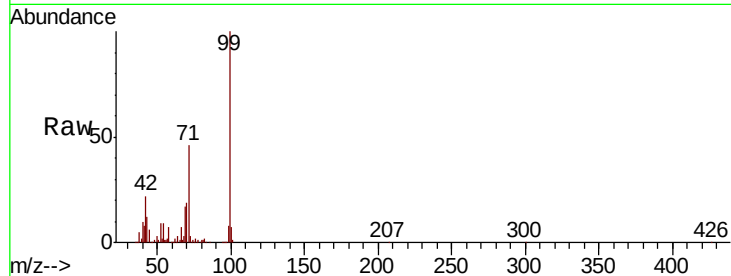
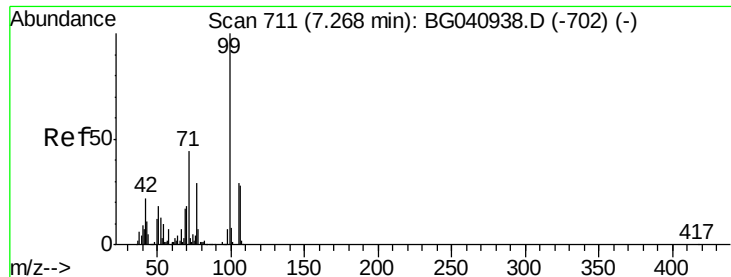


#5

2-Fluorophenol
Concen: 100.995 ng
RT: 5.65 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041014.D
Acq: 1 Jun 2019 16:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.7	56.2	84.2
63	41.5	32.8	49.2





#7

Phenol-d6

Concen: 98.742 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041014.D

Acq: 1 Jun 2019 16:10

Instrument :

BNA_G

ClientSampleId :

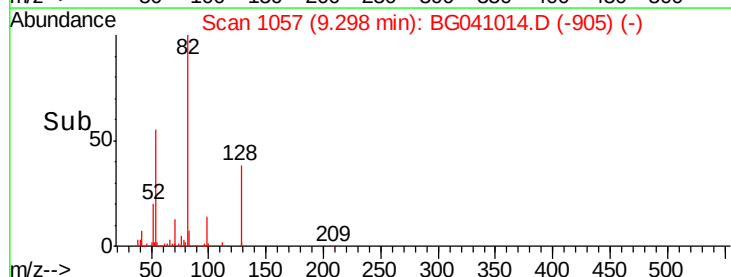
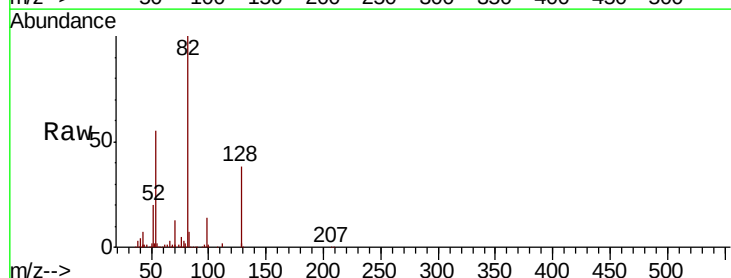
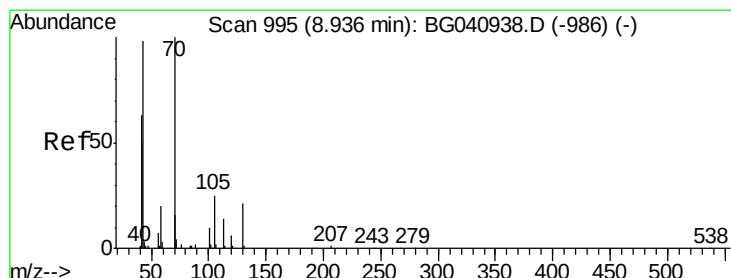
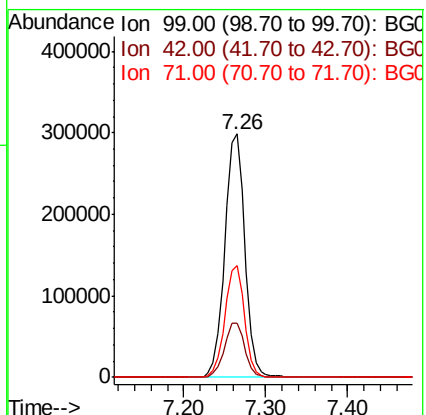
Tot Ion: 99 Resp: 509843

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

71 46.0 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.606 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041014.D

Acq: 1 Jun 2019 16:10

Tgt Ion: 70 Resp: 50091

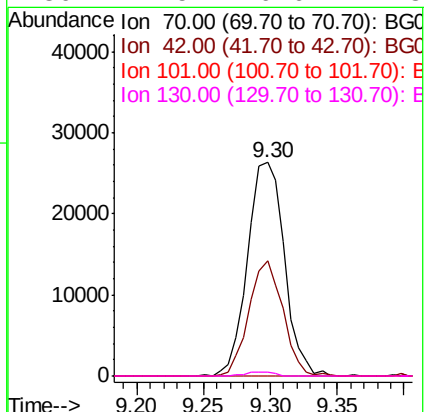
Ion Ratio Lower Upper

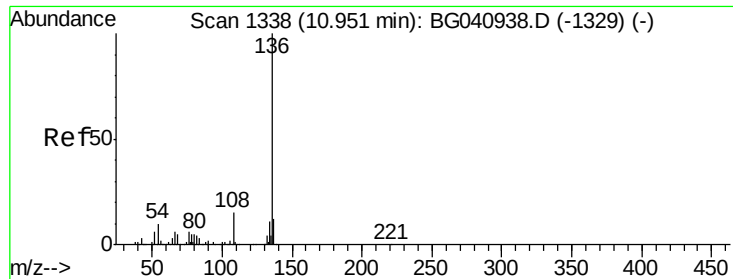
70 100

42 53.9 51.5 77.3

101 0.0 8.1 12.1#

130 1.5 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.94 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BG041014.D

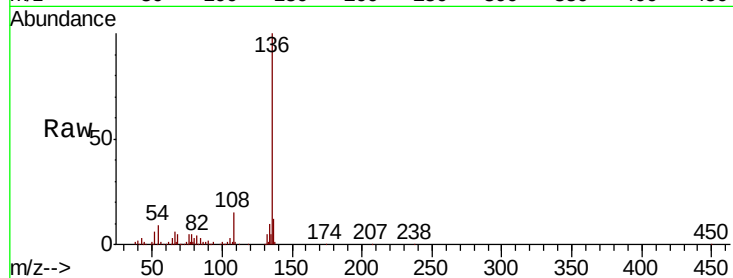
Acq: 1 Jun 2019 16:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	240097
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.5 14.3
54	9.4	7.6 11.4
68	5.1	3.9 5.9



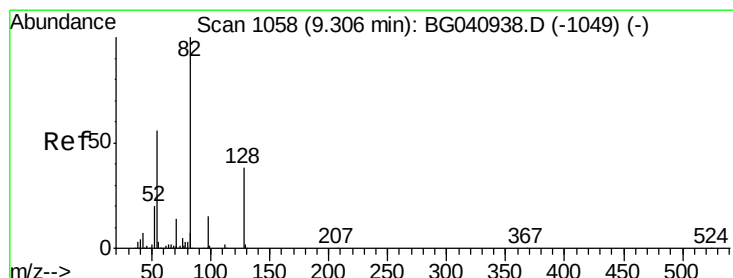
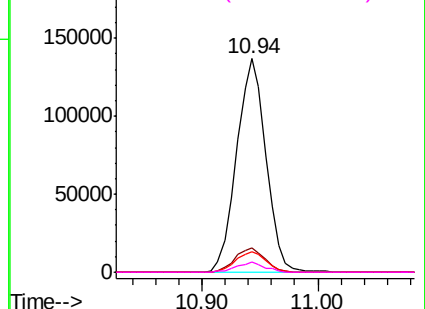
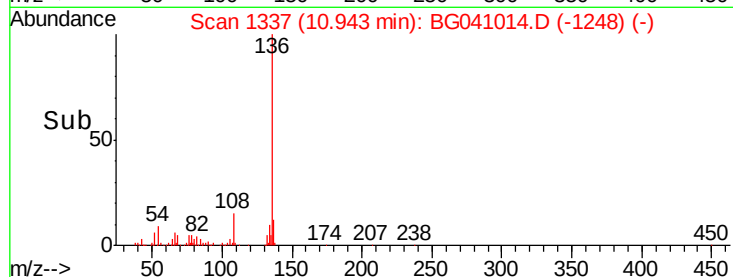
Abundance

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: 66.193 ng

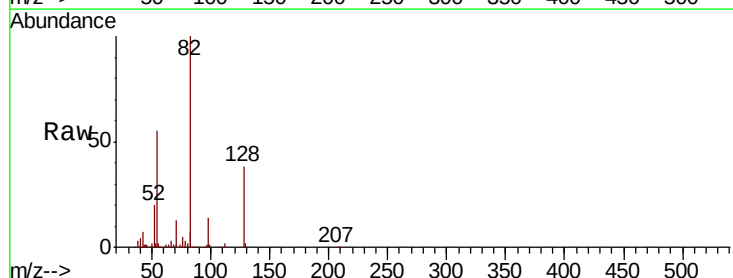
RT: 9.30 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BG041014.D

Acq: 1 Jun 2019 16:10

Tgt Ion: 82	Resp:	357997
Ion Ratio	Lower	Upper
82	100	
128	37.9	30.5 45.7
54	55.1	44.6 66.8

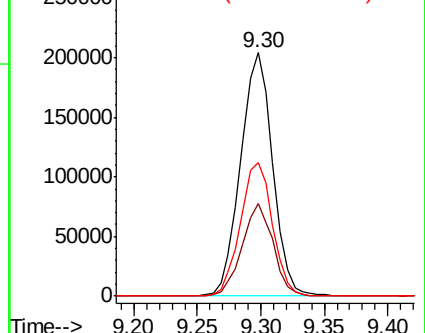
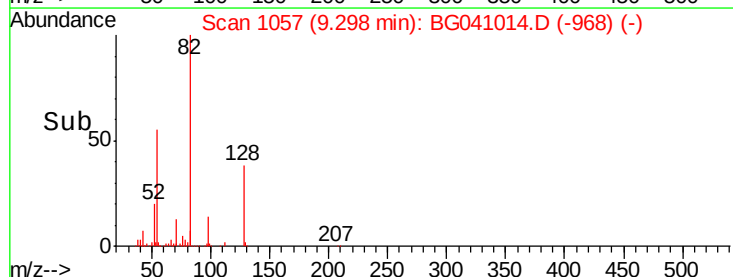


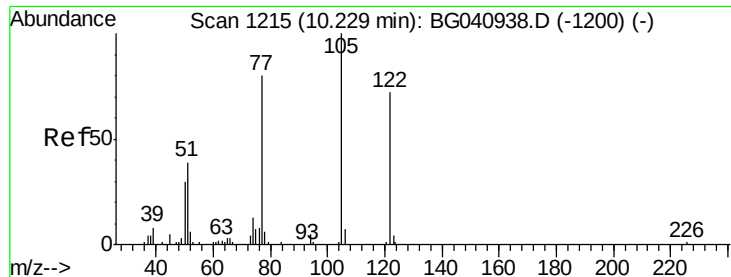
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

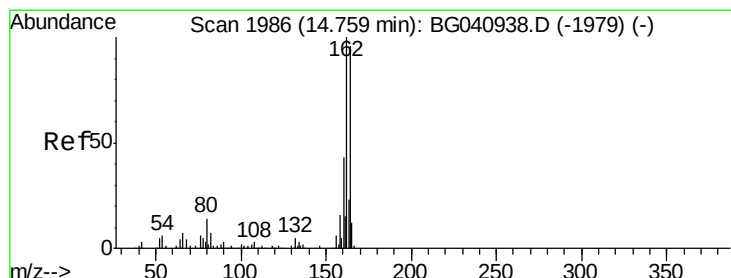
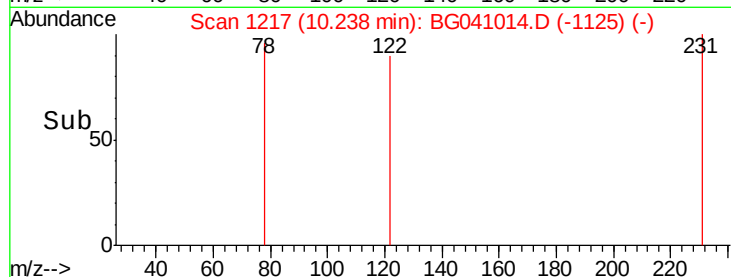
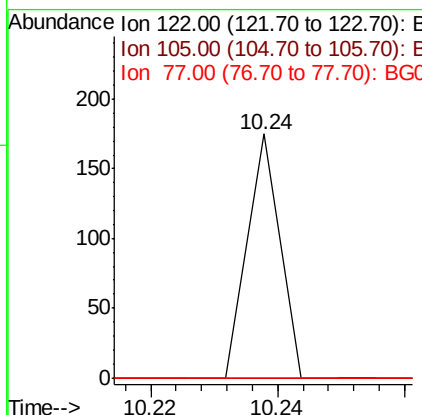
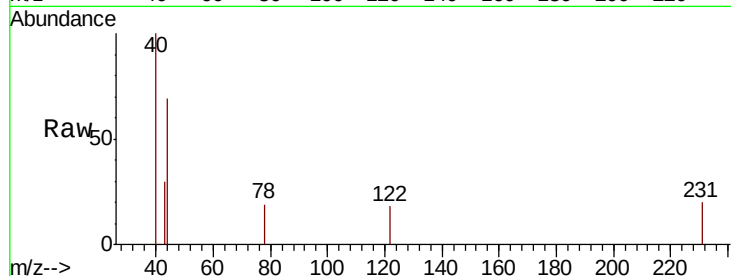




#32
Benzoic acid
Concen: 8.148 ng
RT: 10.24 min Scan# 1217
Delta R.T. 0.01 min
Lab File: BG041014.D
Acq: 1 Jun 2019 16:10

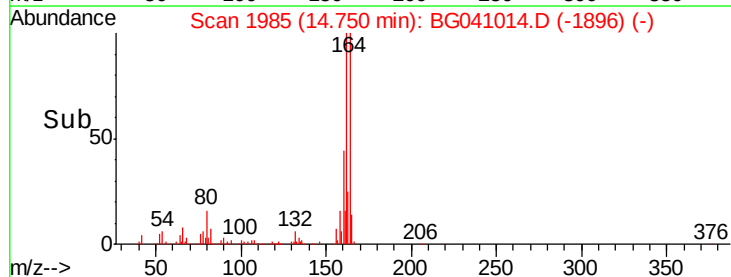
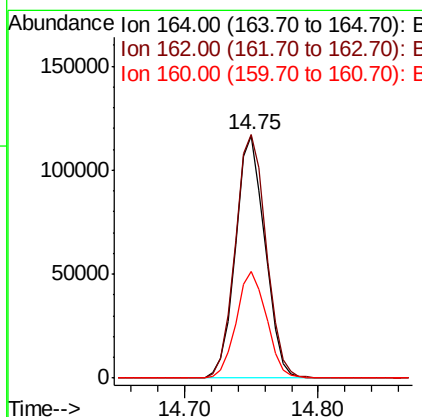
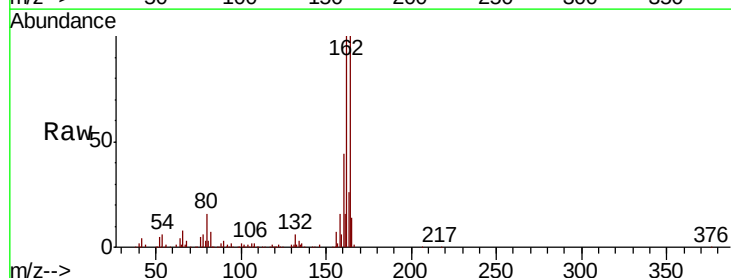
Instrument :
BNA_G
ClientSampleId :

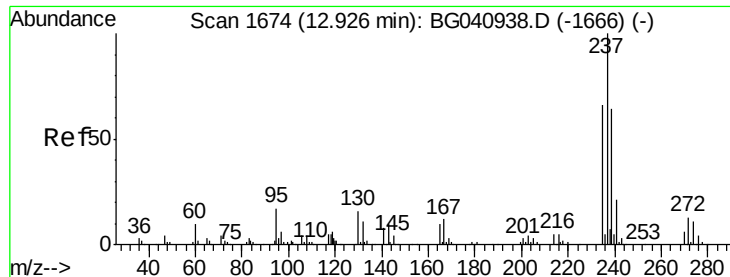
Tot Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 106.9 89.9 129.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG041014.D
Acq: 1 Jun 2019 16:10

Tgt Ion:164 Resp: 178344
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.4
160 43.7 35.6 53.4





#41

Hexachlorocyclopentadiene

Concen: 8.250 ng

RT: 12.96 min Scan# 1681

Delta R.T. 0.04 min

Lab File: BG041014.D

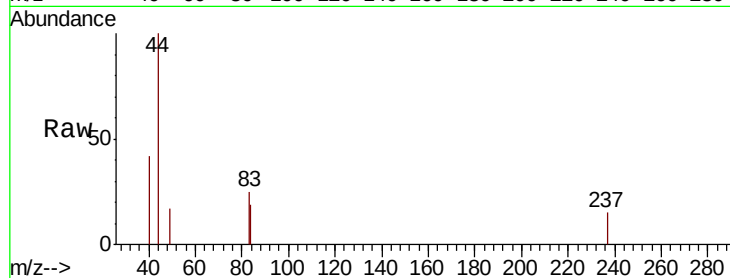
Acq: 1 Jun 2019 16:10

Instrument :

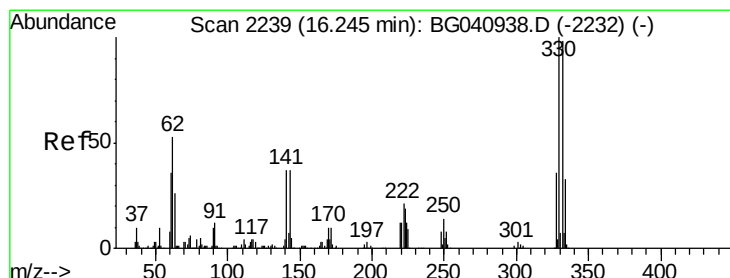
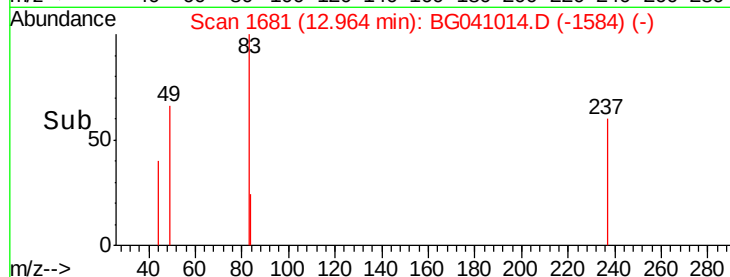
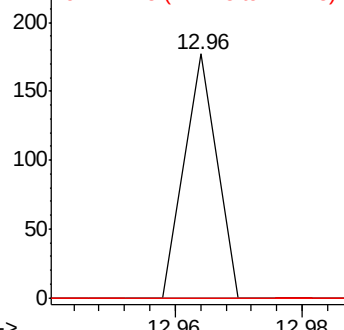
BNA_G

ClientSampleId :

Tot Ion:	237	Resp:	62
Ion	Ratio	Lower	Upper
237	100		
235	0.0	45.5	85.5#
272	0.0	0.0	32.9



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 98.541 ng

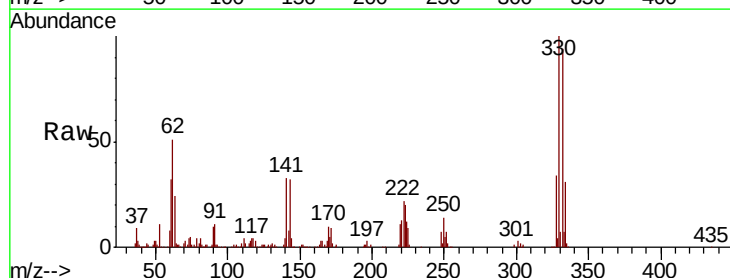
RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

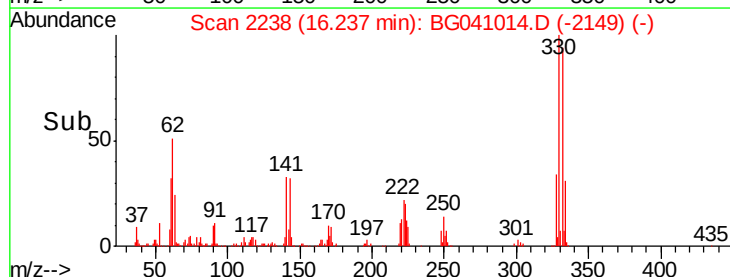
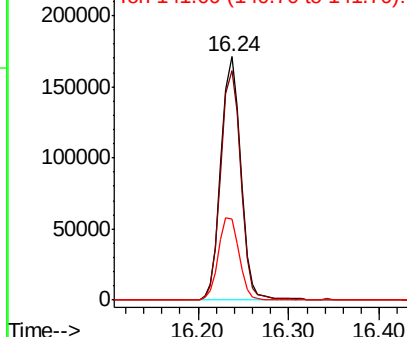
Lab File: BG041014.D

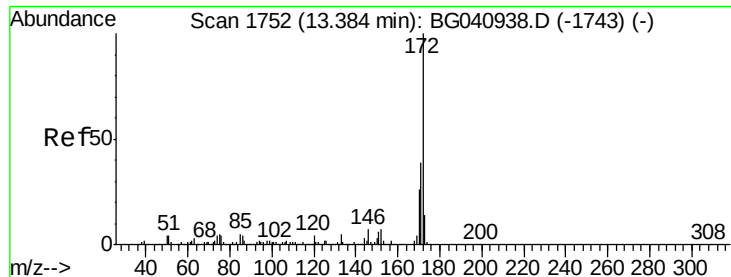
Acq: 1 Jun 2019 16:10

Tgt Ion:	330	Resp:	260901
Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.5	117.7
141	35.2	28.7	43.1



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

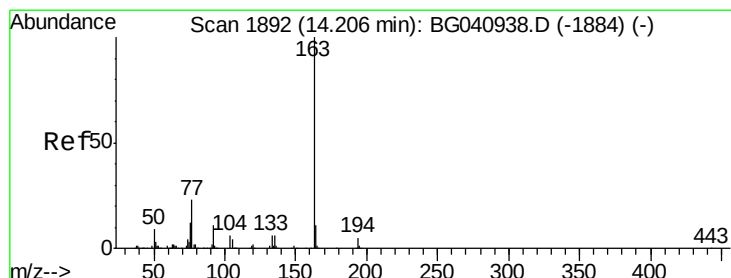
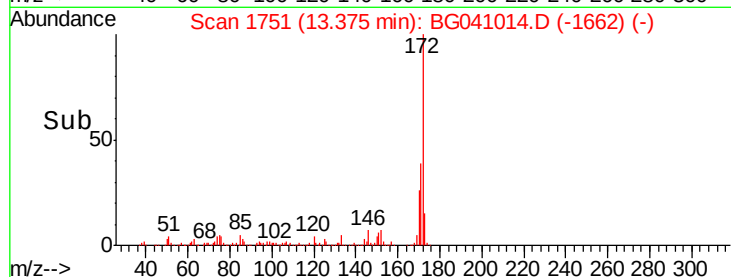
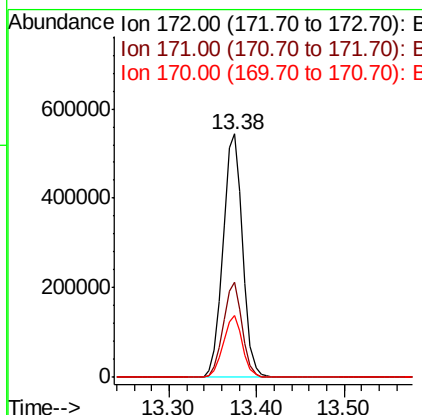
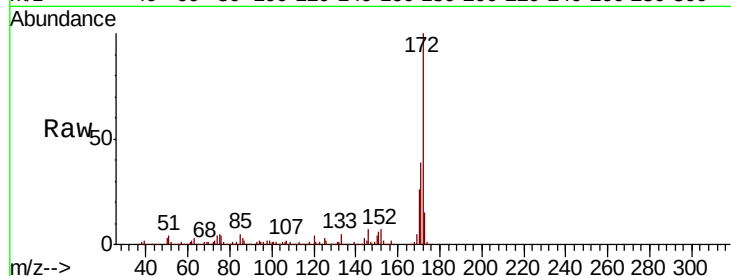




#45
2-Fluorobiphenyl
Concen: 67.611 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041014.D
Acq: 1 Jun 2019 16:10

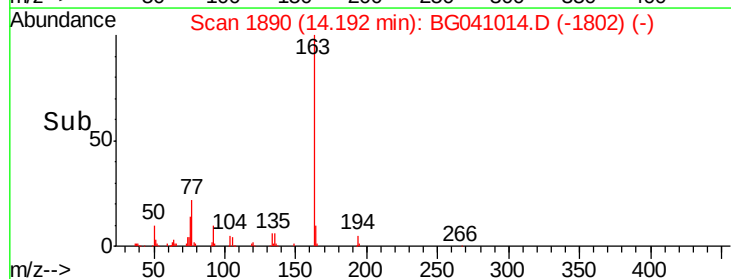
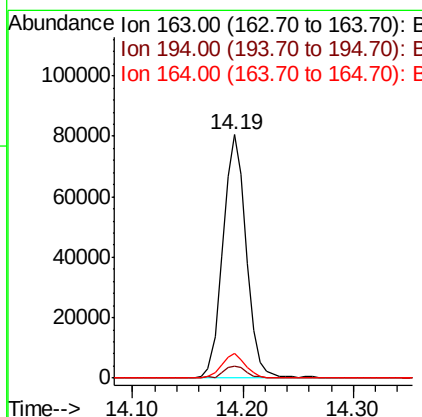
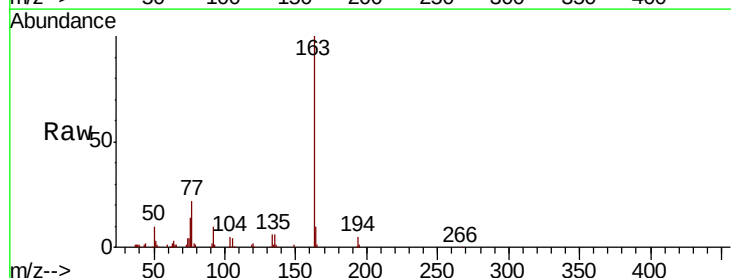
Instrument :
BNA_G
ClientSampleId :

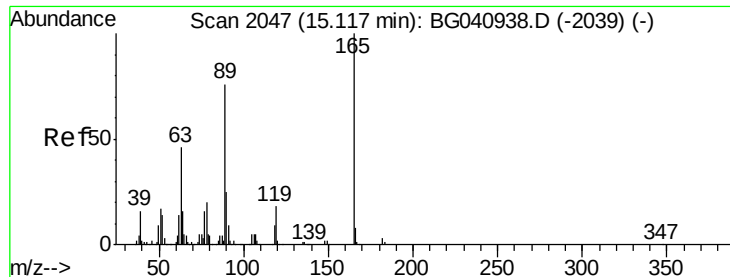
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.9	31.1	46.7
170	25.5	20.5	30.7



#50
Dimethylphthalate
Concen: 7.900 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041014.D
Acq: 1 Jun 2019 16:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.8	5.8
164	10.1	8.7	13.1

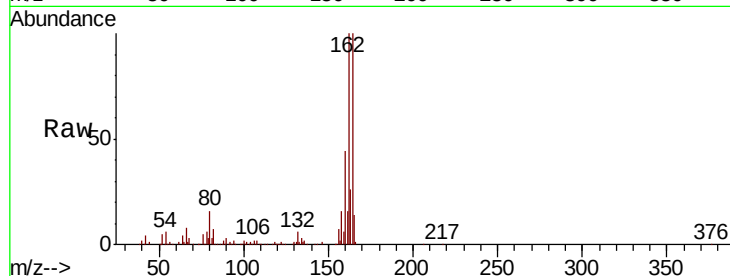




#57
 2,4-Dinitrotoluene
 Concen: 5.033 ng
 RT: 14.75 min Scan# 1985
 Delta R.T. -0.37 min
 Lab File: BG041014.D
 Acq: 1 Jun 2019 16:10

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	1.9	61.0	91.6#
182	0.0	2.2	3.2#



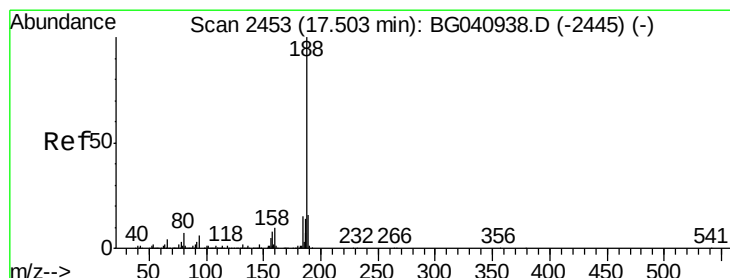
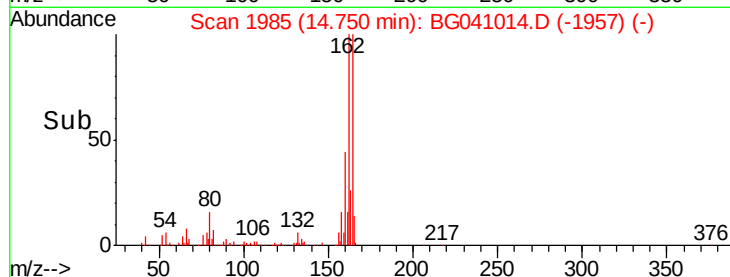
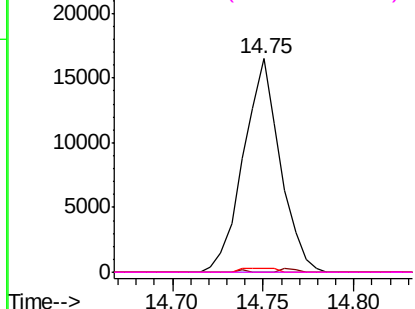
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

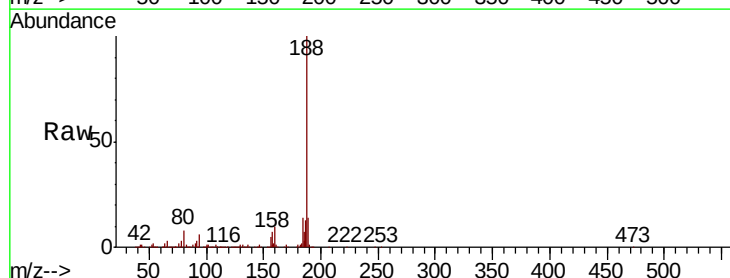
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: BG041014.D
 Acq: 1 Jun 2019 16:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.7	7.1
80	7.7	5.8	8.8

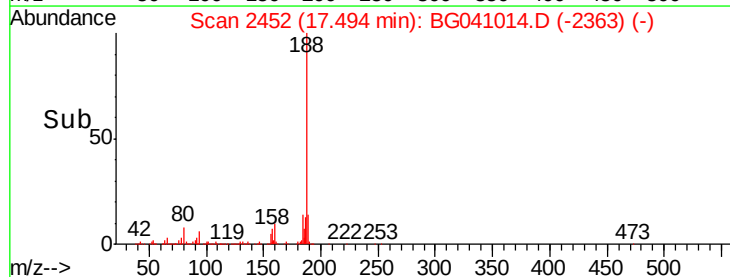
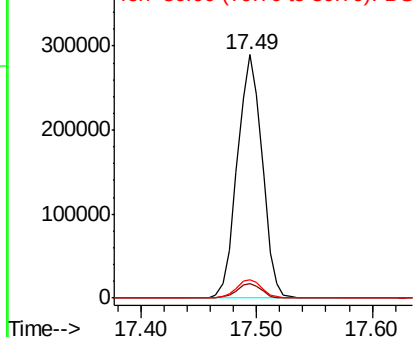


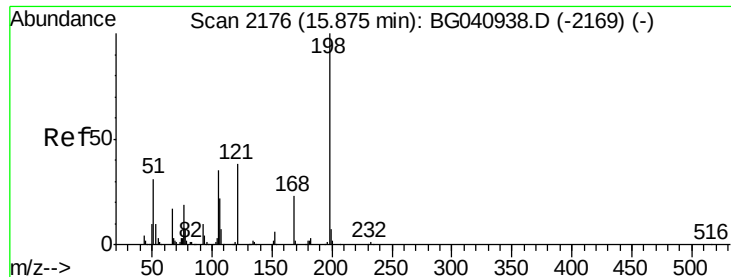
Abundance

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





#65

4,6-Dinitro-2-methylphenol

Concen: 8.817 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG041014.D

Acq: 1 Jun 2019 16:10

Instrument :

BNA_G

ClientSampled :

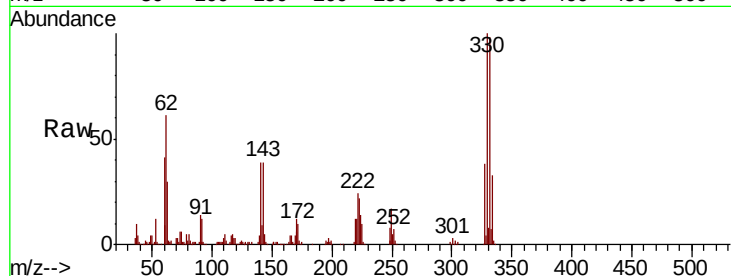
Tot Ion:198 Resp: 641

Ion Ratio Lower Upper

198 100

51 59.1 21.6 61.6

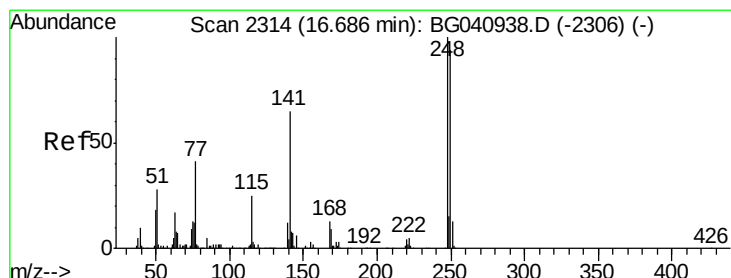
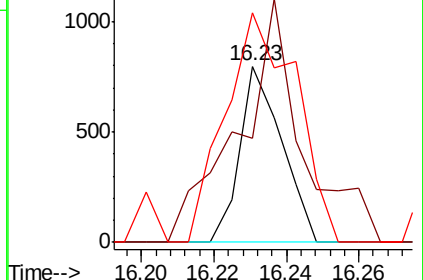
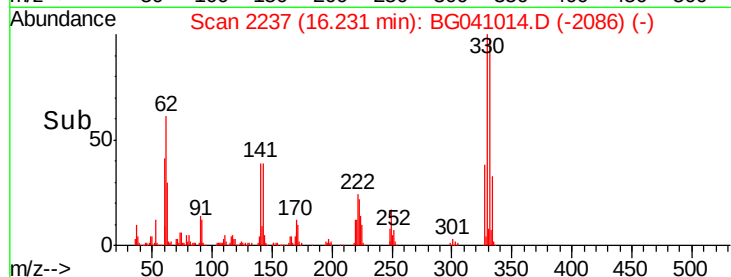
105 130.3 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.281 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.46 min

Lab File: BG041014.D

Acq: 1 Jun 2019 16:10

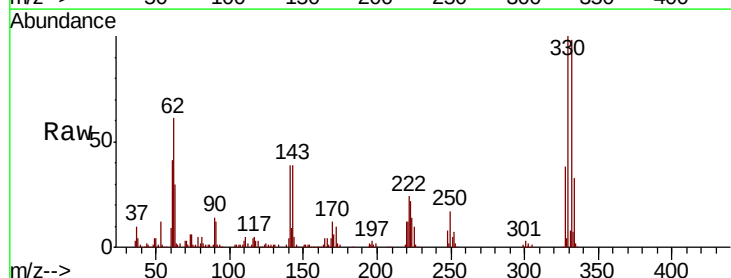
Tgt Ion:248 Resp: 19101

Ion Ratio Lower Upper

248 100

250 200.0 75.0 112.4#

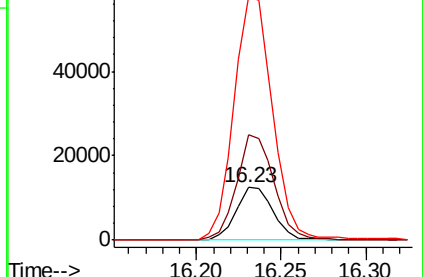
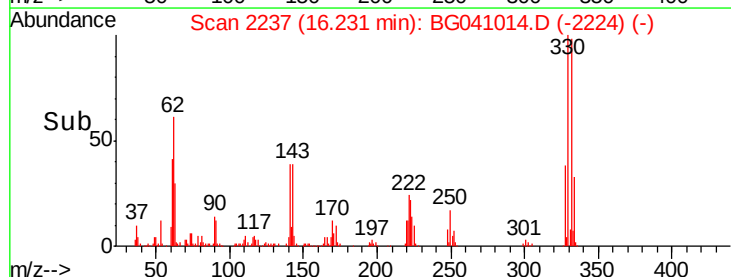
141 462.7 52.4 78.6#

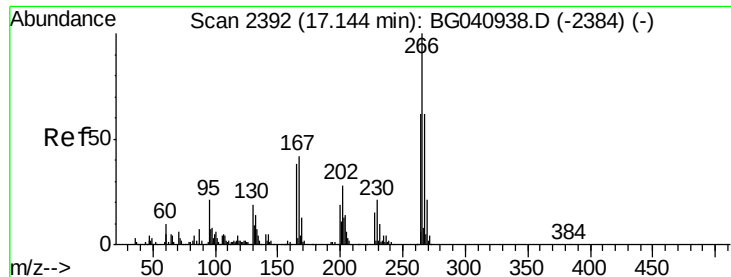


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

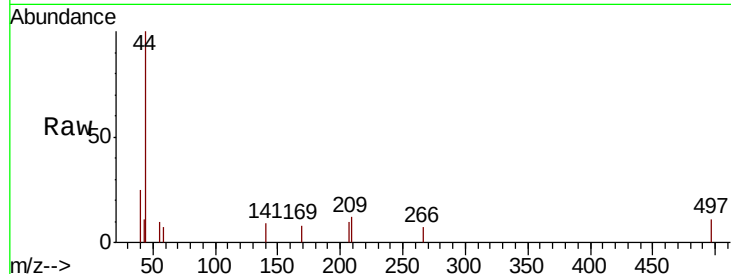




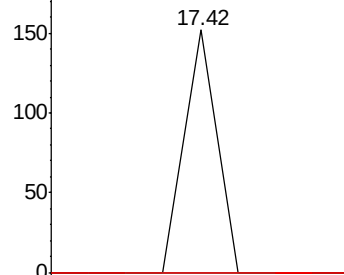
#70
 Pentachlorophenol
 Concen: 4.271 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. 0.28 min
 Lab File: BG041014.D
 Acq: 1 Jun 2019 16:10

Instrument :
 BNA_G
 ClientSampleId :

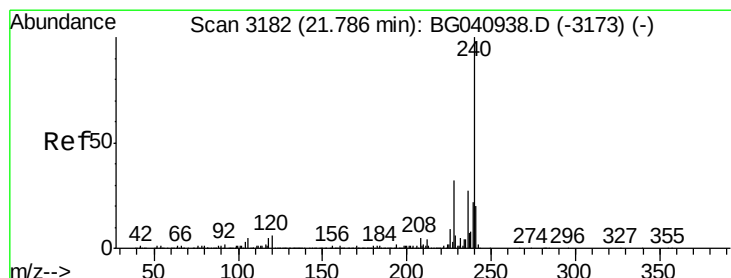
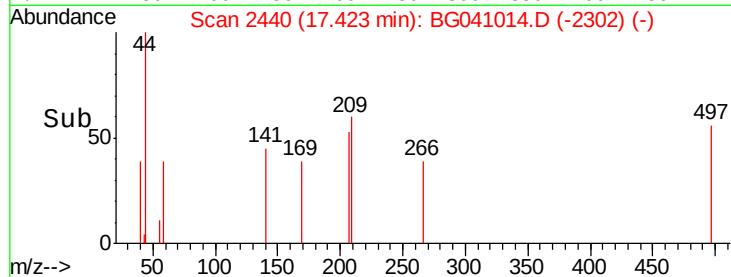
Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	53.1	79.7#
264	0.0	49.9	74.9#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

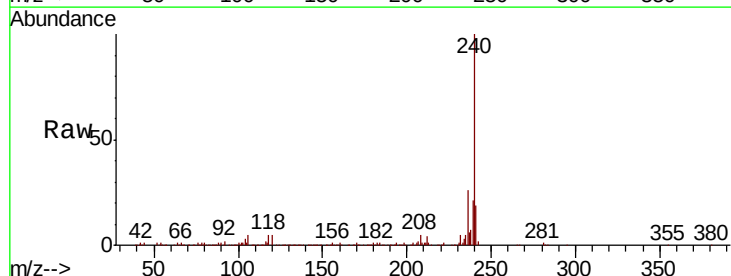


Time--> 17.40 17.42 17.44

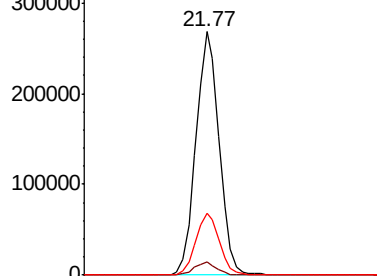


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG041014.D
 Acq: 1 Jun 2019 16:10

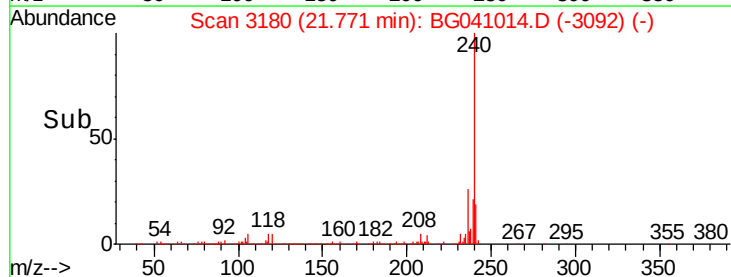
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.5	6.7
236	25.6	21.3	31.9

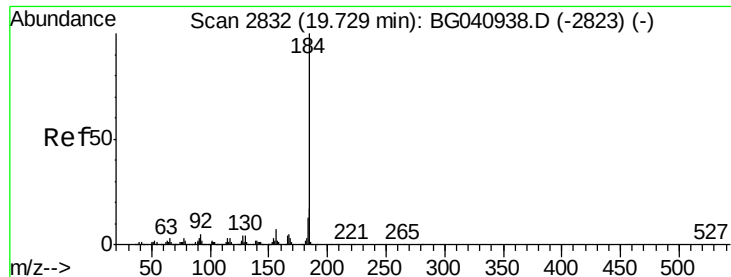


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time--> 21.70 21.80 21.90





#77

Benzidine

Concen: 2.324 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG041014.D

Acq: 1 Jun 2019 16:10

Instrument :

BNA_G

ClientSampleId :

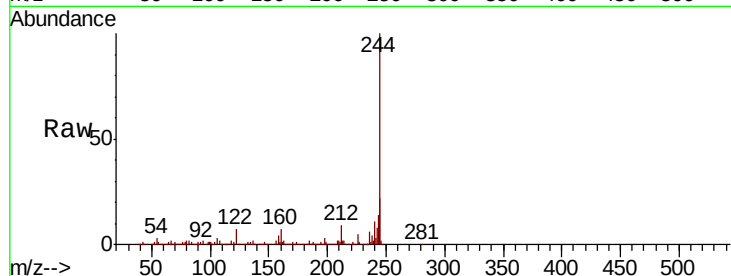
Tot Ion:184 Resp: 23580

Ion Ratio Lower Upper

184 100

185 14.5 13.3 19.9

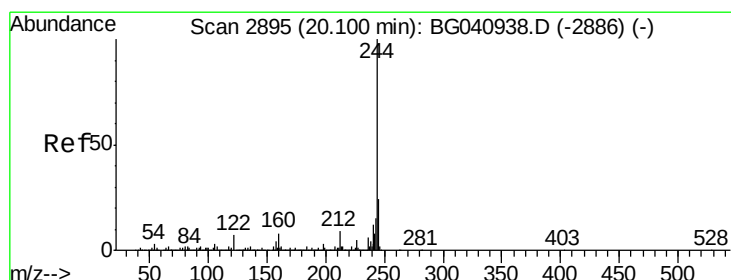
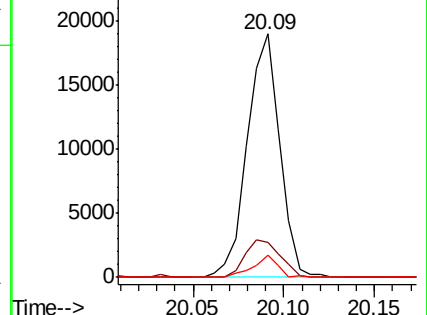
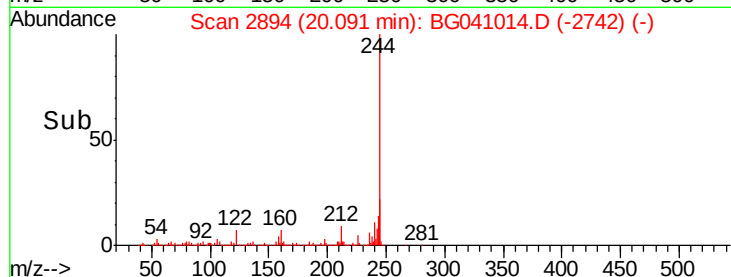
183 9.3 10.7 16.1#



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: 67.930 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041014.D

Acq: 1 Jun 2019 16:10

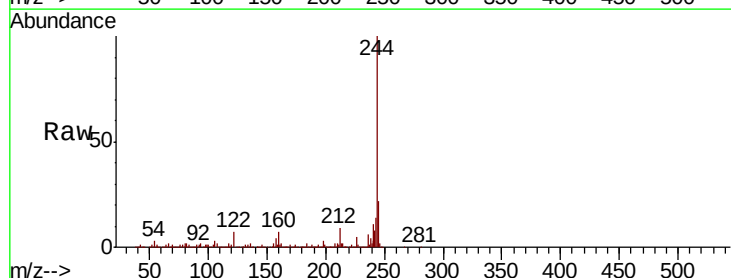
Tgt Ion:244 Resp: 1361261

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.4

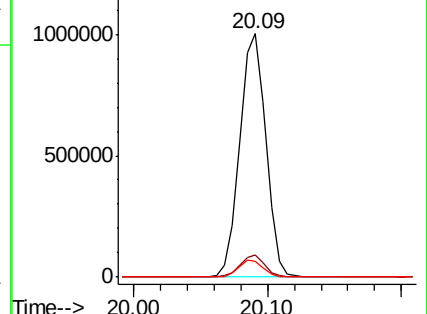
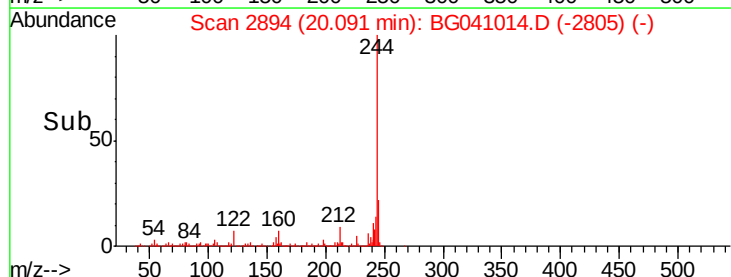
122 6.5 5.4 8.0

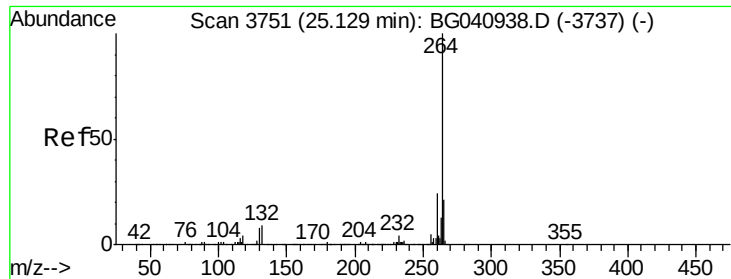


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

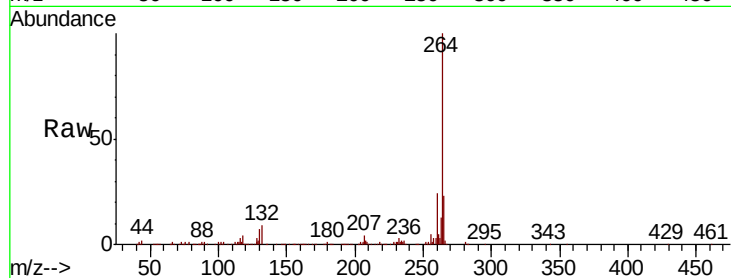




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3749
Delta R.T. -0.01 min
Lab File: BG041014.D
Acq: 1 Jun 2019 16:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	449609
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	22.5	17.0	25.4



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

