

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
 Data File : BG041043.D
 Acq On : 3 Jun 2019 20:41
 Operator : HP/JU
 Sample : K3097-19
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0439-PR-2(PASSAIC)

Quant Time: Jun 04 08:06:23 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

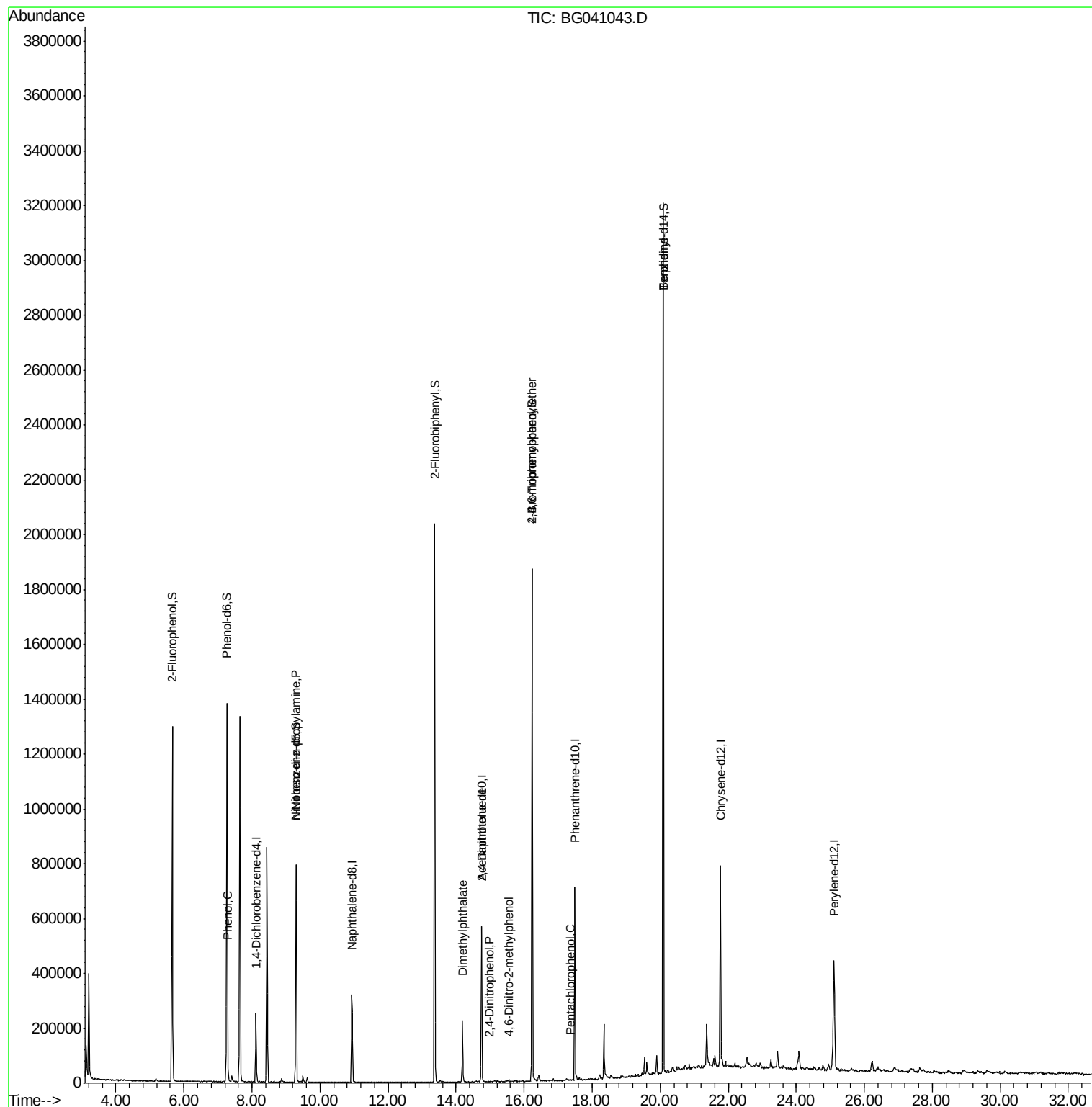
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	65574	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	264166	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	189115	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	441777	20.00	ng	0.00
76) Chrysene-d12	21.77	240	432424	20.00	ng	-0.01
87) Perylene-d12	25.11	264	459400	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	497606	136.84	ng	0.00
7) Phenol-d6	7.27	99	733305	130.57	ng	0.00
23) Nitrobenzene-d5	9.30	82	482597	81.10	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	360032	128.24	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1032082	78.59	ng	-0.01
79) Terphenyl-d14	20.09	244	1506932	73.96	ng	0.00
Target Compounds						
10) Phenol	7.29	94	29953	4.974	ng	90
19) n-Nitroso-di-n-propylamine	9.30	70	69019	15.969	ng	# 76
50) Dimethylphthalate	14.19	163	141931	8.866	ng	98
54) 2,4-Dinitrophenol	14.98	184	70	8.300	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	25076	5.143	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.54	198	59	8.610	ng	# 36
67) 4-Bromophenyl-phenylether	16.24	248	27966	4.691	ng	# 1
70) Pentachlorophenol	17.37	266	54	4.271	ng	# 18
77) Benzidine	20.09	184	28044	2.719	ng	# 92

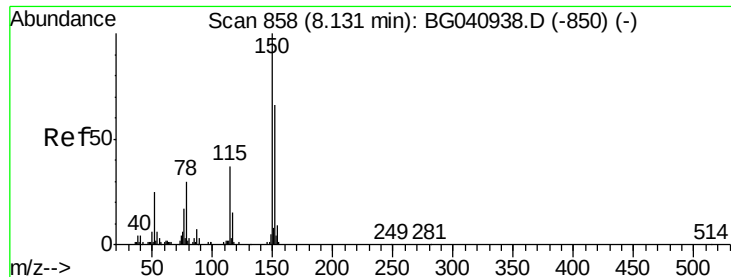
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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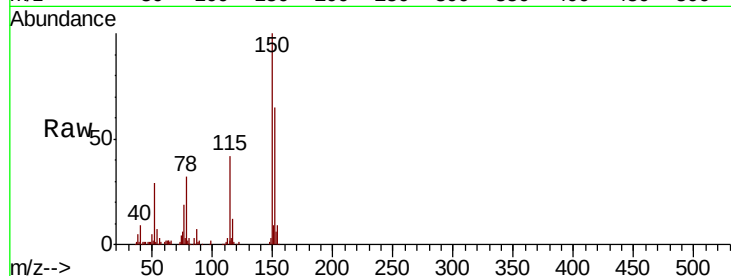


#1

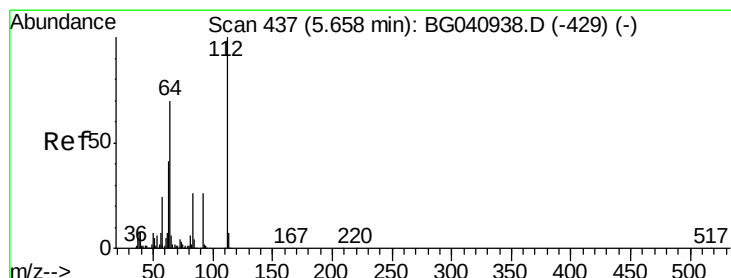
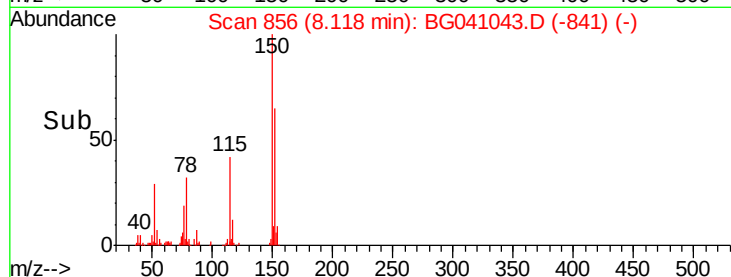
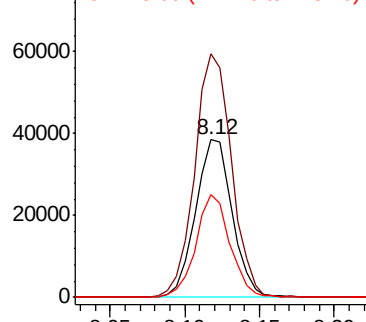
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041043.D
Acq: 3 Jun 2019 20:41

Instrument :
BNA_G
ClientSampleId :
0439-PR-2(PASSAIC)

Tgt Ion:152 Resp: 65574
Ion Ratio Lower Upper
152 100
150 154.3 120.6 180.8
115 65.2 45.1 67.7



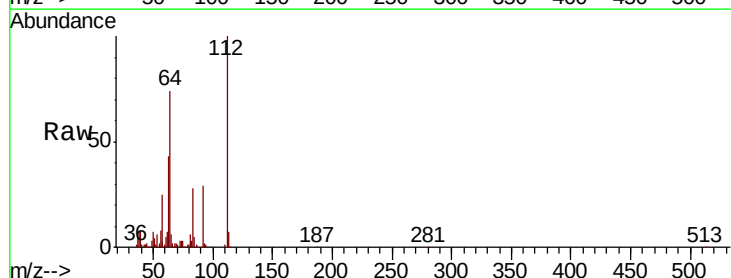
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



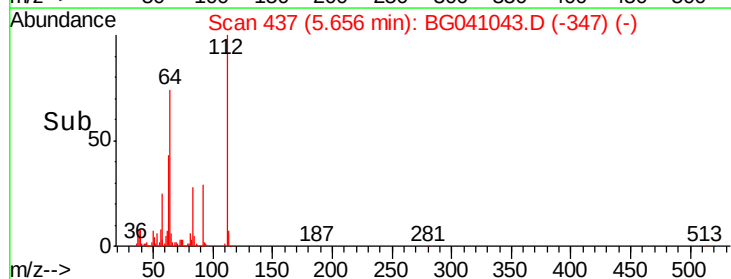
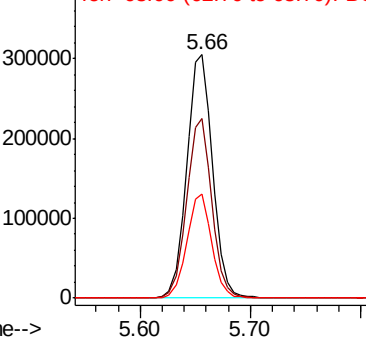
#5

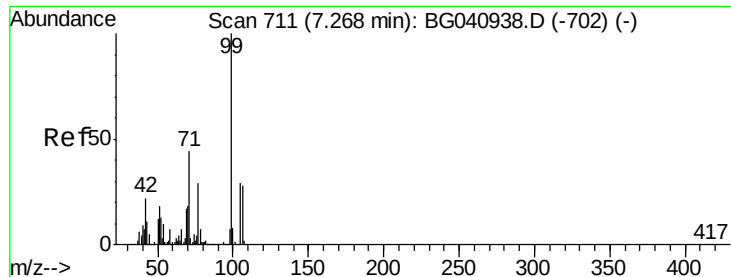
2-Fluorophenol
Concen: 136.836 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041043.D
Acq: 3 Jun 2019 20:41

Tgt Ion:112 Resp: 497606
Ion Ratio Lower Upper
112 100
64 73.9 56.2 84.2
63 43.0 32.8 49.2



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: 130.569 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

Instrument :

BNA_G

ClientSampleId :

0439-PR-2(PASSAIC)

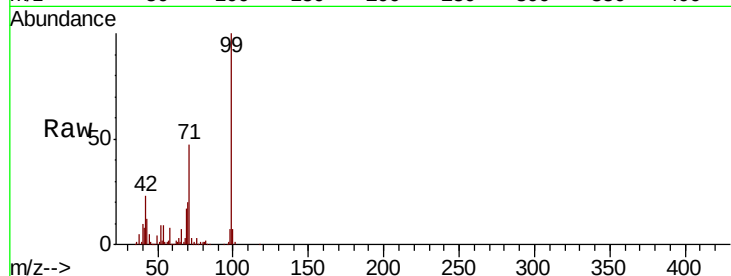
Tgt Ion: 99 Resp: 733305

Ion Ratio Lower Upper

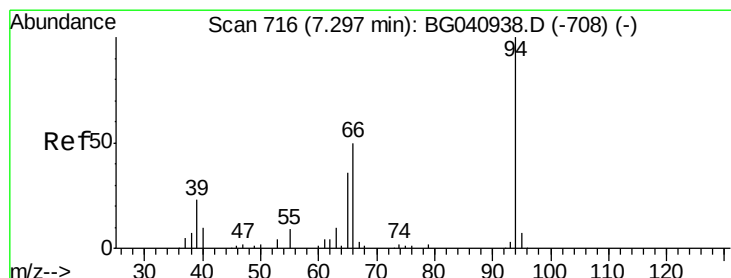
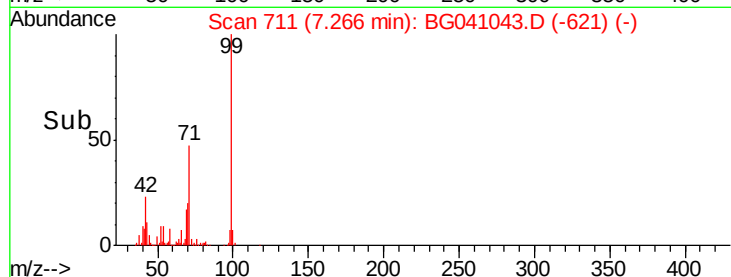
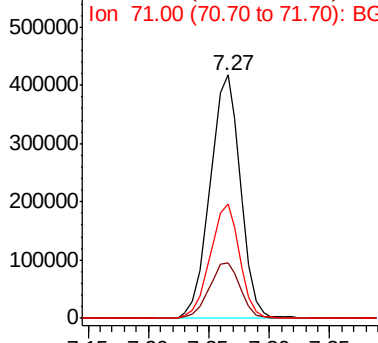
99 100

42 22.9 17.9 26.9

71 46.7 35.4 53.0



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: 4.974 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

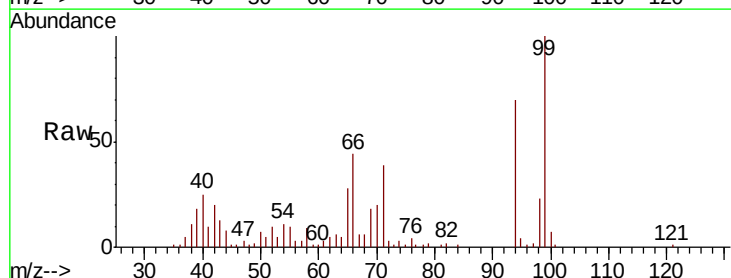
Tgt Ion: 94 Resp: 29953

Ion Ratio Lower Upper

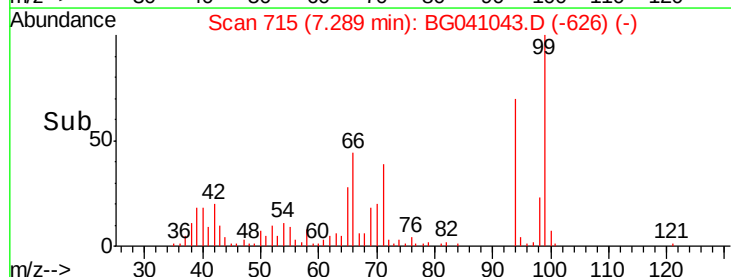
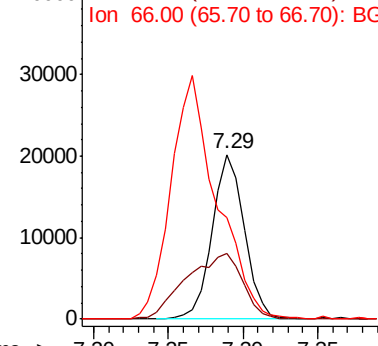
94 100

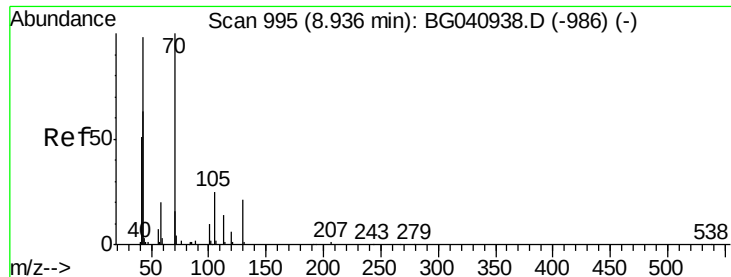
65 39.7 17.0 57.0

66 62.0 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

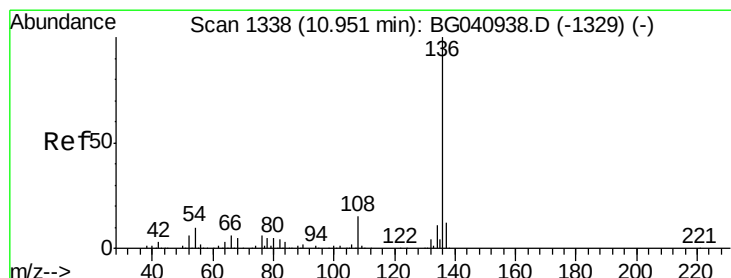
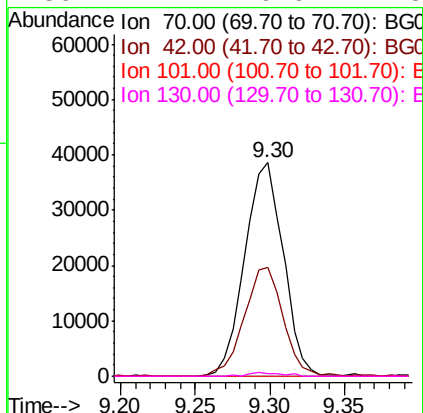
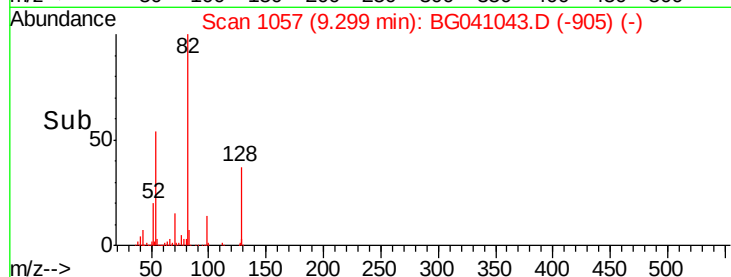
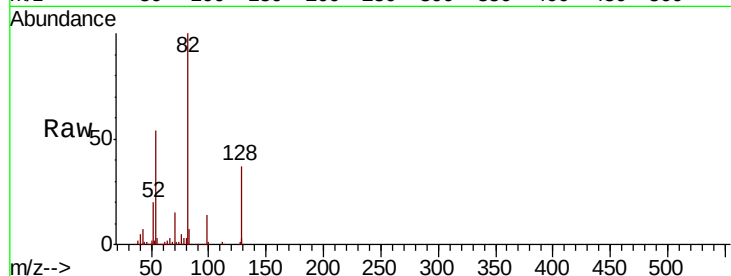




#19
n-Nitroso-di-n-propylamine
Concen: 15.969 ng
RT: 9.30 min Scan# 1057
Delta R.T. 0.36 min
Lab File: BG041043.D
Acq: 3 Jun 2019 20:41

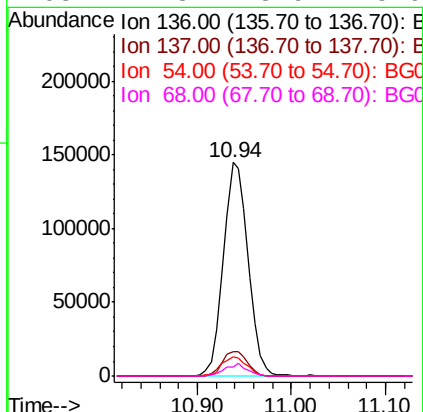
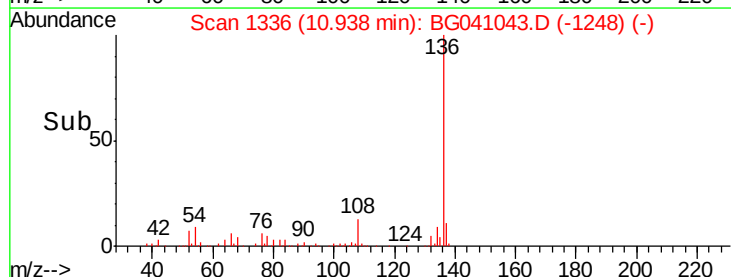
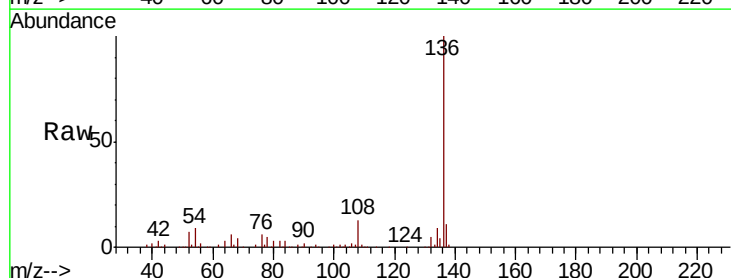
Instrument :
BNA_G
ClientSampleId :
0439-PR-2(PASSAIC)

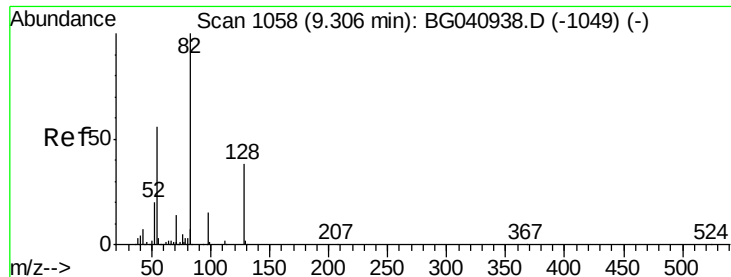
Tgt Ion:	70	Resp:	69019
Ion	Ratio	Lower	Upper
70	100		
42	50.8	51.5	77.3#
101	0.0	8.1	12.1#
130	1.1	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG041043.D
Acq: 3 Jun 2019 20:41

Tgt Ion:	136	Resp:	264166
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	9.1	7.6	11.4
68	4.3	3.9	5.9

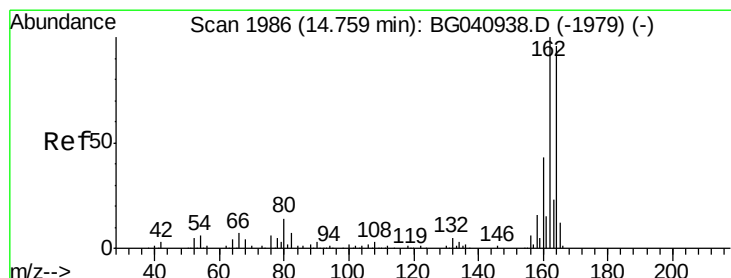
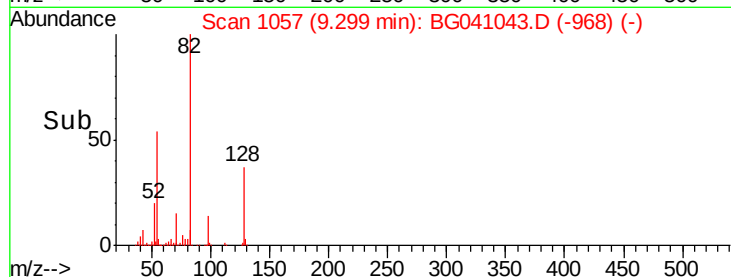
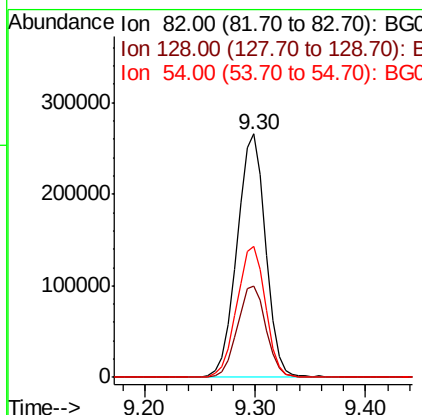
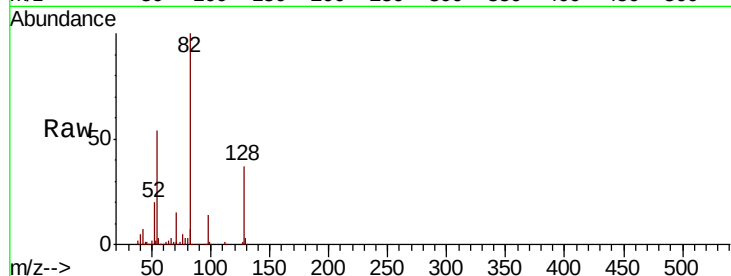




#23
 Nitrobenzene-d5
 Concen: 81.101 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BG041043.D
 Acq: 3 Jun 2019 20:41

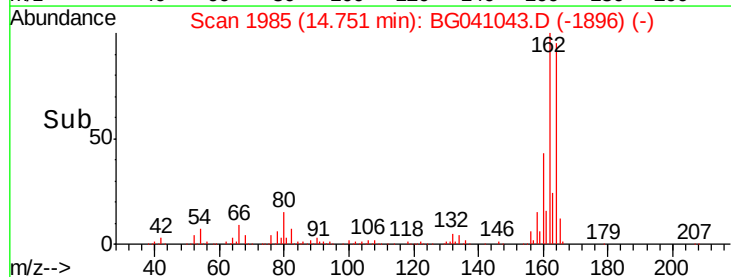
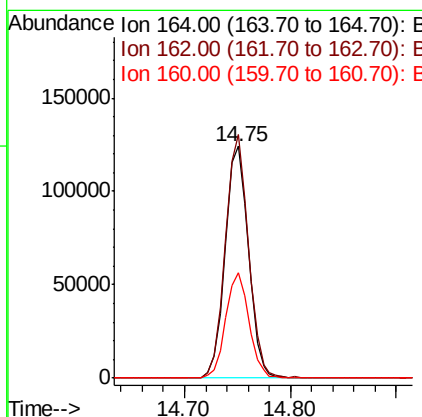
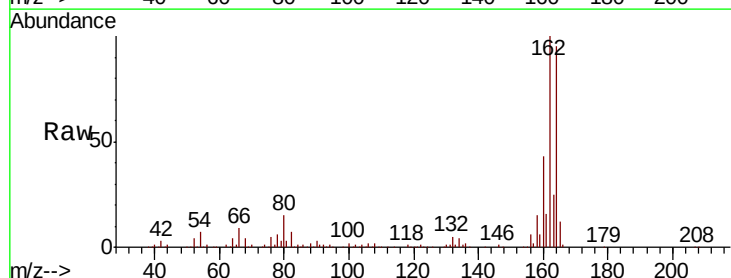
Instrument :
 BNA_G
 ClientSampleId :
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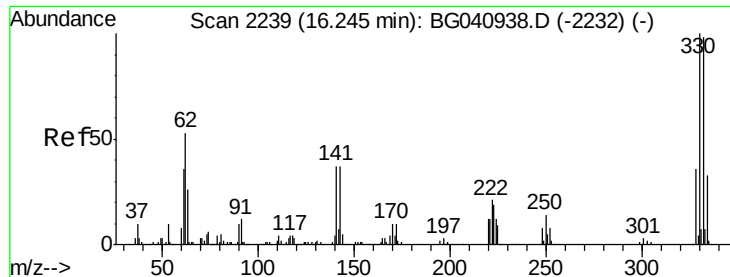
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.4	30.5	45.7
54	53.7	44.6	66.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BG041043.D
 Acq: 3 Jun 2019 20:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	83.0	124.4
160	45.2	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 128.237 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

Instrument :

BNA_G

ClientSampleId :

0439-PR-2(PASSAIC)

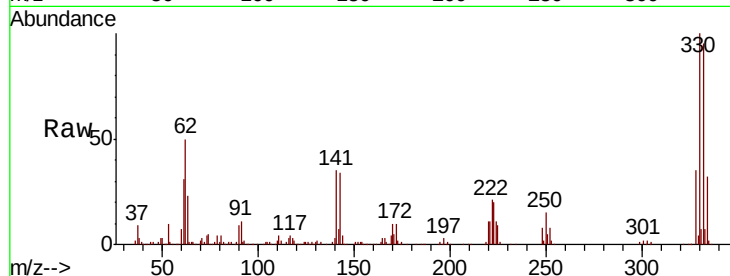
Tgt Ion:330 Resp: 360032

Ion Ratio Lower Upper

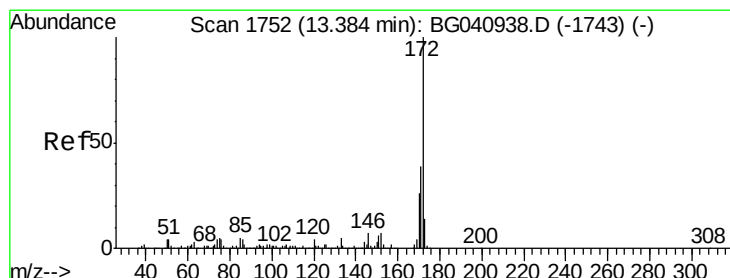
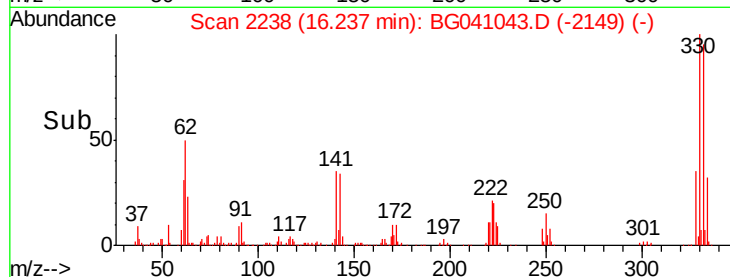
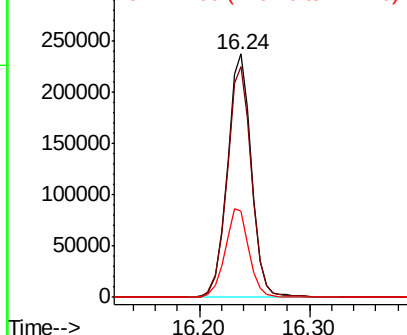
330 100

332 95.9 78.5 117.7

141 35.9 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: 78.593 ng

RT: 13.37 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

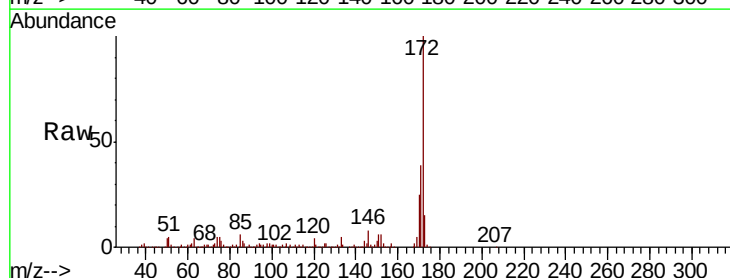
Tgt Ion:172 Resp: 1032082

Ion Ratio Lower Upper

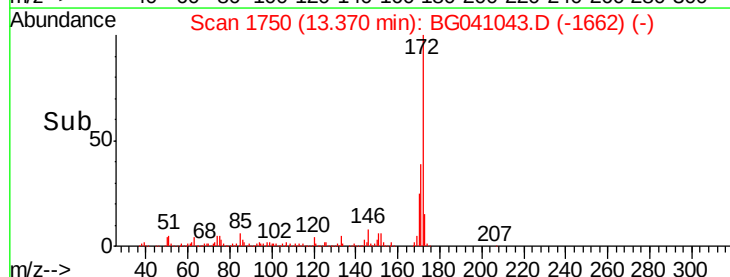
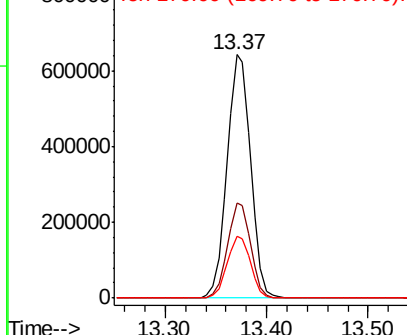
172 100

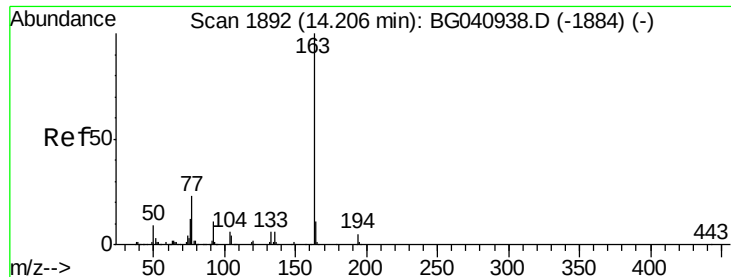
171 39.1 31.1 46.7

170 25.2 20.5 30.7



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: 8.866 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

Instrument :

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ClientSampleId :

0439-PR-2(PASSAIC)

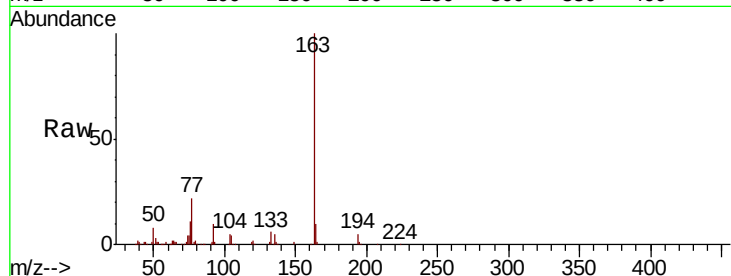
Tgt Ion:163 Resp: 141931

Ion Ratio Lower Upper

163 100

194 4.8 3.8 5.8

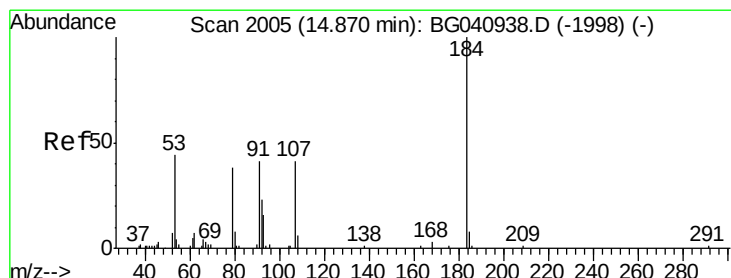
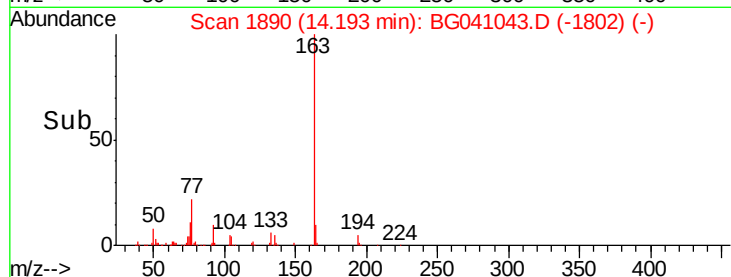
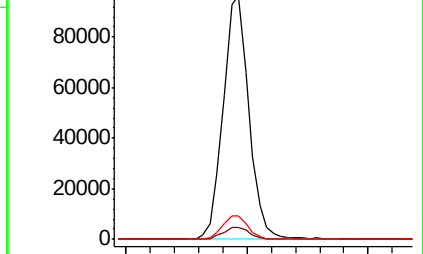
164 9.8 8.7 13.1



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



#54

2,4-Dinitrophenol

Concen: 8.300 ng

RT: 14.98 min Scan# 2024

Delta R.T. 0.11 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

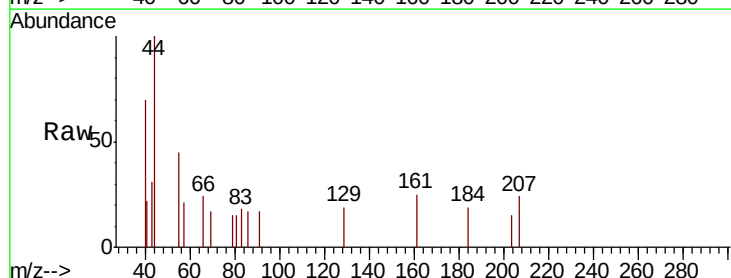
Tgt Ion:184 Resp: 70

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

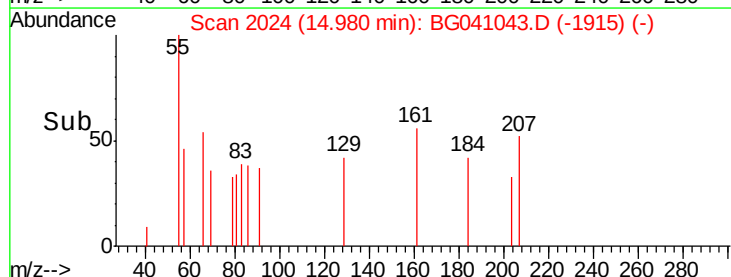
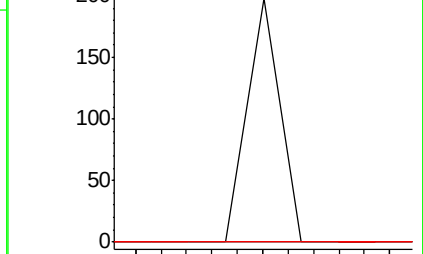
154 0.0 52.2 78.4#

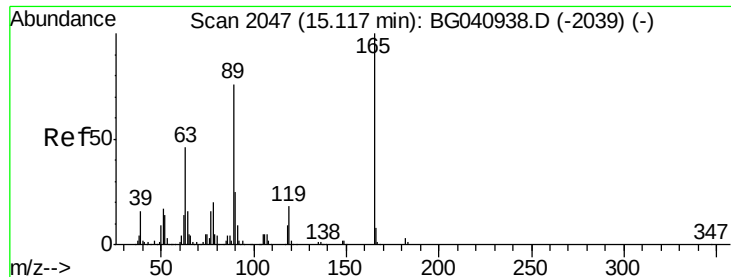


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.143 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.37 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

Instrument :

BNA_G

ClientSampleId :

0439-PR-2(PASSAIC)

Tgt Ion:165 Resp: 25076

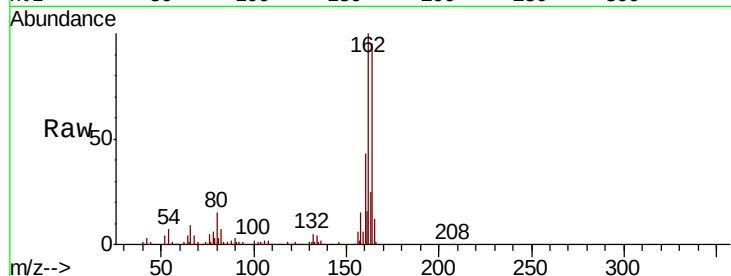
Ion Ratio Lower Upper

165 100

63 1.0 37.3 55.9#

89 2.9 61.0 91.6#

182 0.0 2.2 3.2#



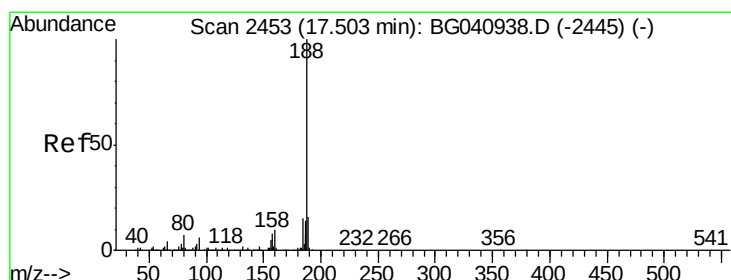
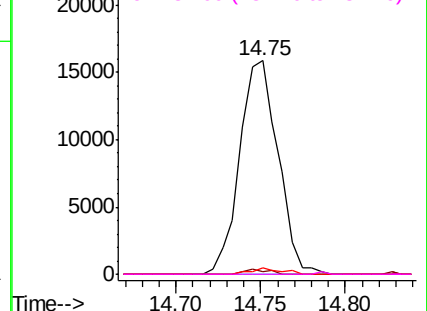
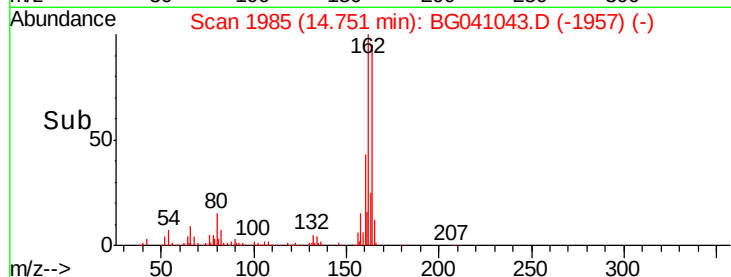
Abundance

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: BG041043.D

Acq: 3 Jun 2019 20:41

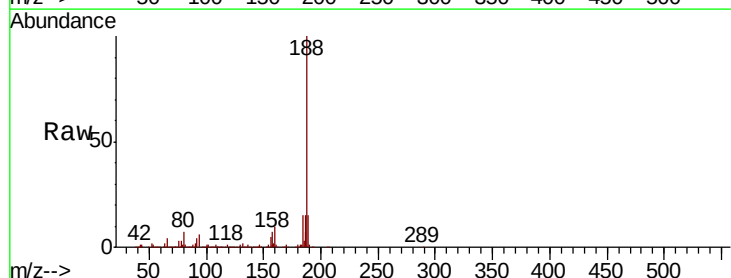
Tgt Ion:188 Resp: 441777

Ion Ratio Lower Upper

188 100

94 5.8 4.7 7.1

80 7.1 5.8 8.8

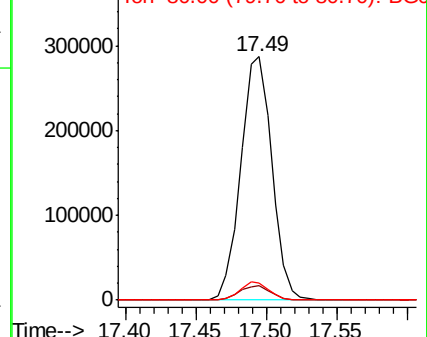
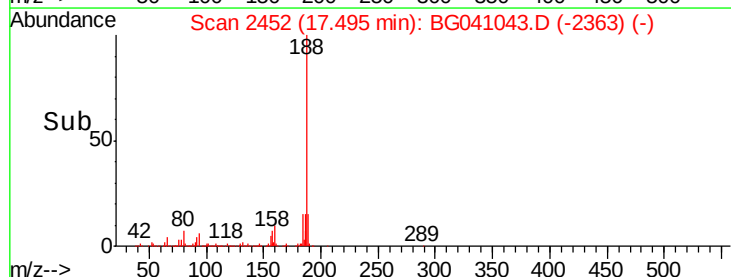


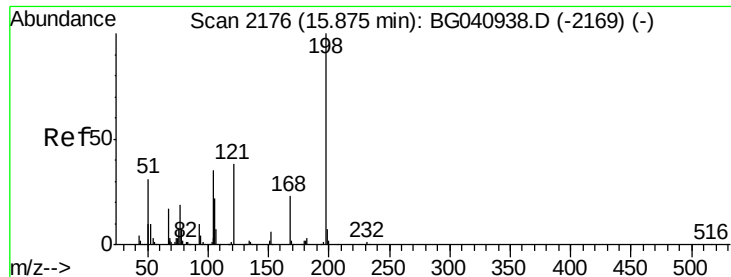
Abundance

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: 8.610 ng

RT: 15.54 min Scan# 2119

Delta R.T. -0.34 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

Instrument :

BNA_G

ClientSampleId :

0439-PR-2(PASSAIC)

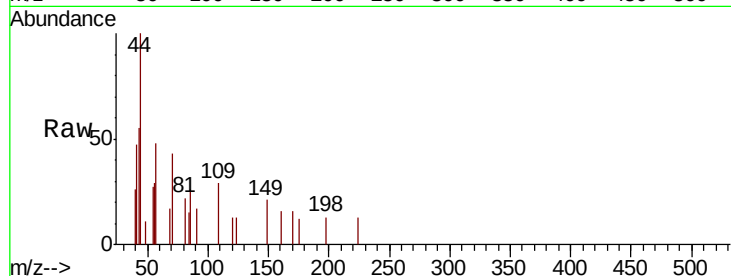
Tgt Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

105 0.0 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

300

250

200

150

100

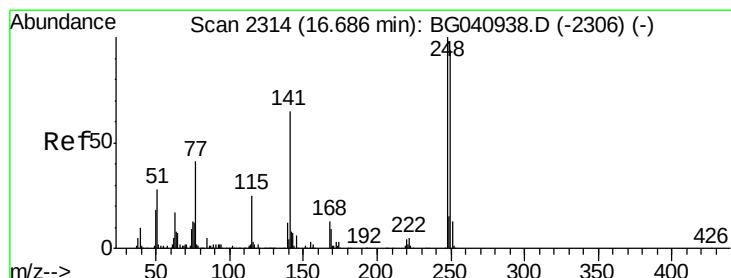
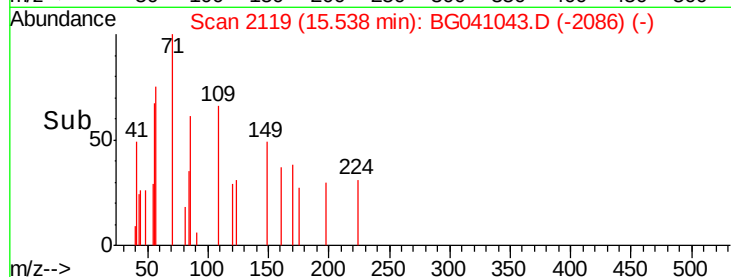
50

0

15.52

15.54

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.691 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

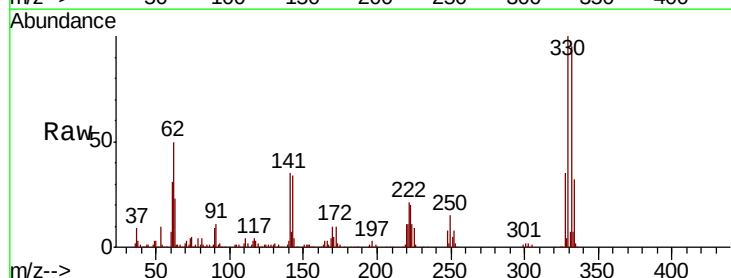
Tgt Ion:248 Resp: 27966

Ion Ratio Lower Upper

248 100

250 188.9 75.0 112.4#

141 458.4 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

120000

100000

80000

60000

40000

20000

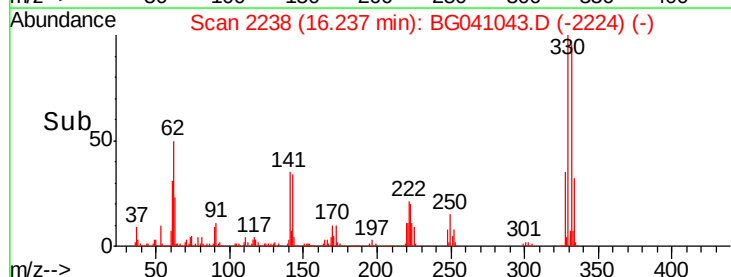
0

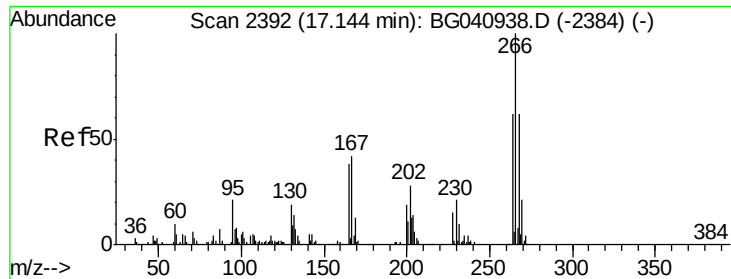
16.20

16.24

16.30

Time-->

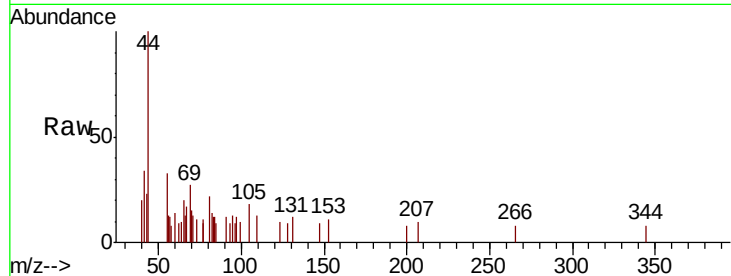




#70
 Pentachlorophenol
 Concen: 4.271 ng
 RT: 17.37 min Scan# 2430
 Delta R.T. 0.22 min
 Lab File: BG041043.D
 Acq: 3 Jun 2019 20:41

Instrument :
 BNA_G
 ClientSampleId :
 0439-PR-2(PASSAIC)

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

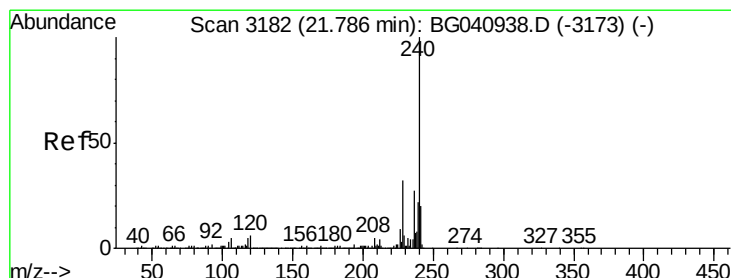
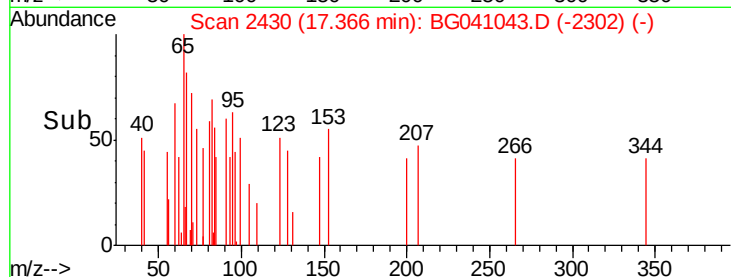
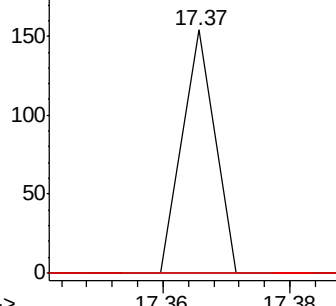


Abundance

Ion 265.70 (265.40 to 266.40): E

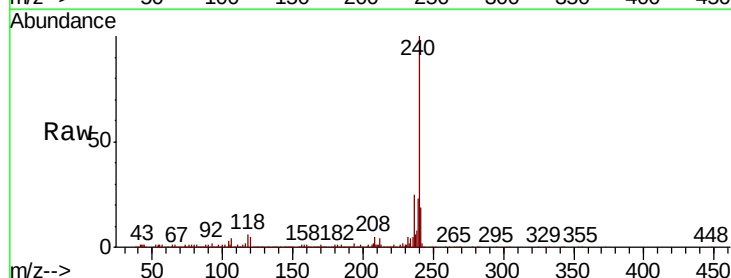
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG041043.D
 Acq: 3 Jun 2019 20:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.8	4.5	6.7
236	25.5	21.3	31.9

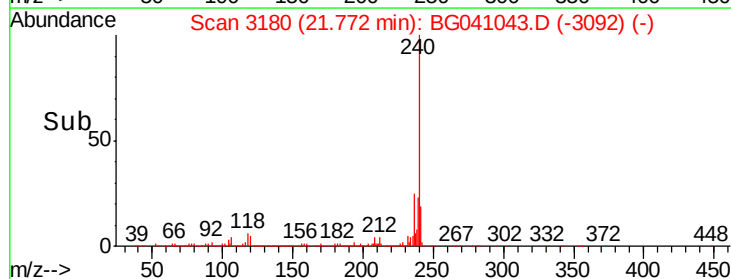
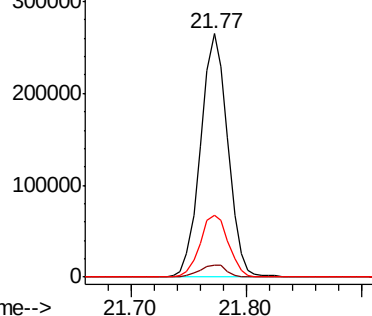


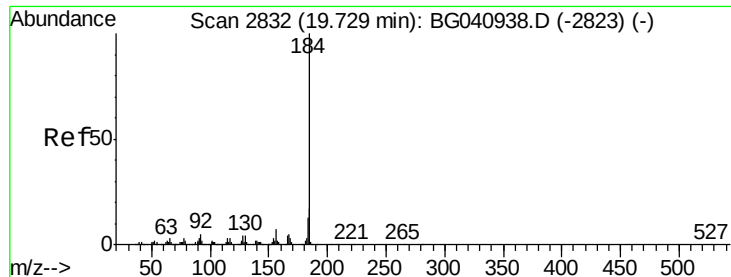
Abundance

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





#77

Benzidine

Concen: 2.719 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.36 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

Instrument :

BNA_G

ClientSampleId :

0439-PR-2(PASSAIC)

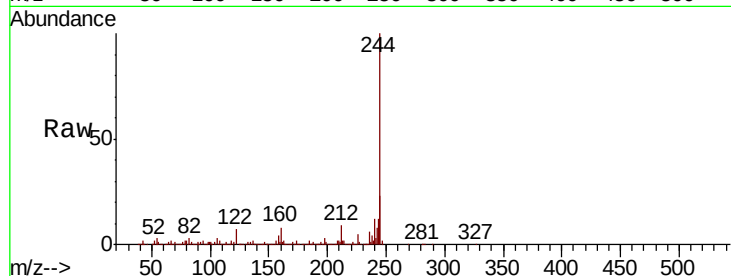
Tgt Ion:184 Resp: 28044

Ion Ratio Lower Upper

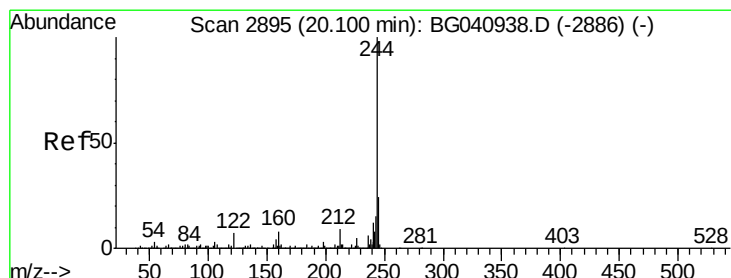
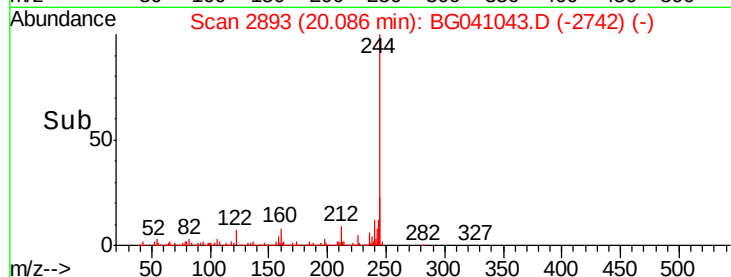
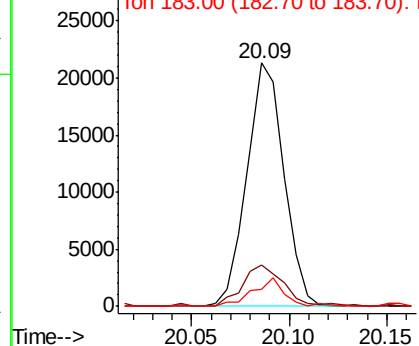
184 100

185 17.2 13.3 19.9

183 7.1 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: 73.960 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041043.D

Acq: 3 Jun 2019 20:41

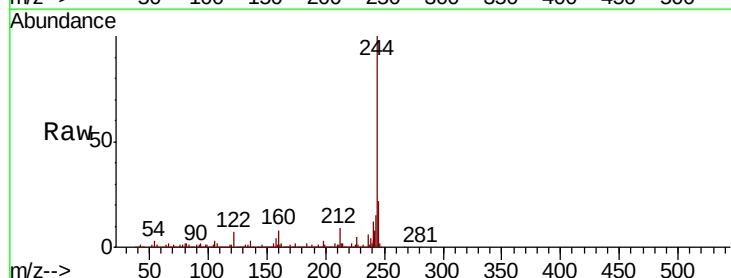
Tgt Ion:244 Resp: 1506932

Ion Ratio Lower Upper

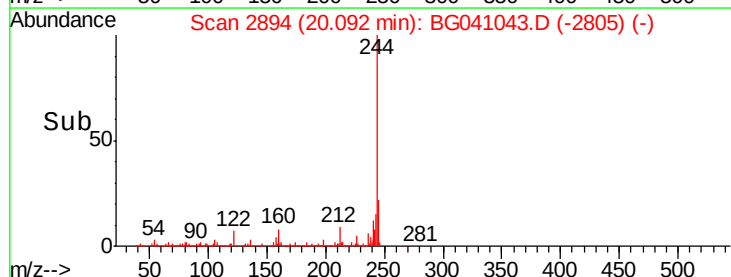
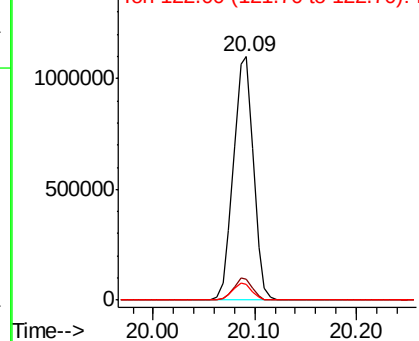
244 100

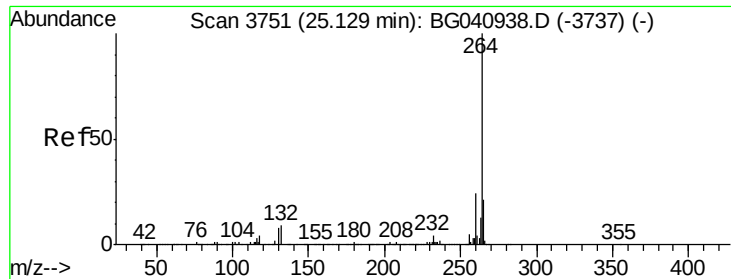
212 8.7 7.0 10.4

122 6.6 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

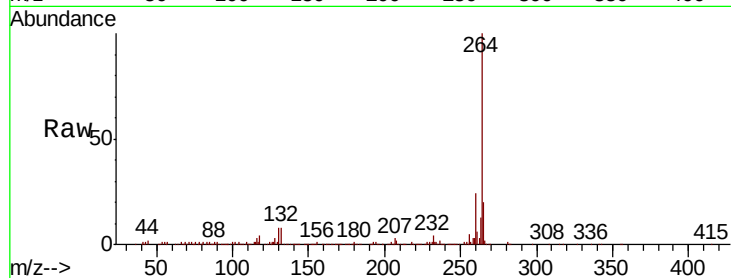




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3748
Delta R.T. -0.02 min
Lab File: BG041043.D
Acq: 3 Jun 2019 20:41

Instrument :
BNA_G
ClientSampleId :
0439-PR-2(PASSAIC)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	20.5	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

