

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
 Data File : BG041042.D
 Acq On : 3 Jun 2019 20:03
 Operator : HP/JU
 Sample : K3097-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0433-HR-13(HACKENSACK)

Quant Time: Jun 04 08:06:08 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	67661	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	277938	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	193377	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	453240	20.00	ng	0.00
76) Chrysene-d12	21.77	240	446217	20.00	ng	-0.01
87) Perylene-d12	25.10	264	486461	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	491693	131.04	ng	0.00
7) Phenol-d6	7.27	99	727059	125.46	ng	0.00
23) Nitrobenzene-d5	9.30	82	496300	79.27	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	356252	124.09	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	880577	65.58	ng	-0.01
79) Terphenyl-d14	20.09	244	1266372	60.23	ng	-0.01

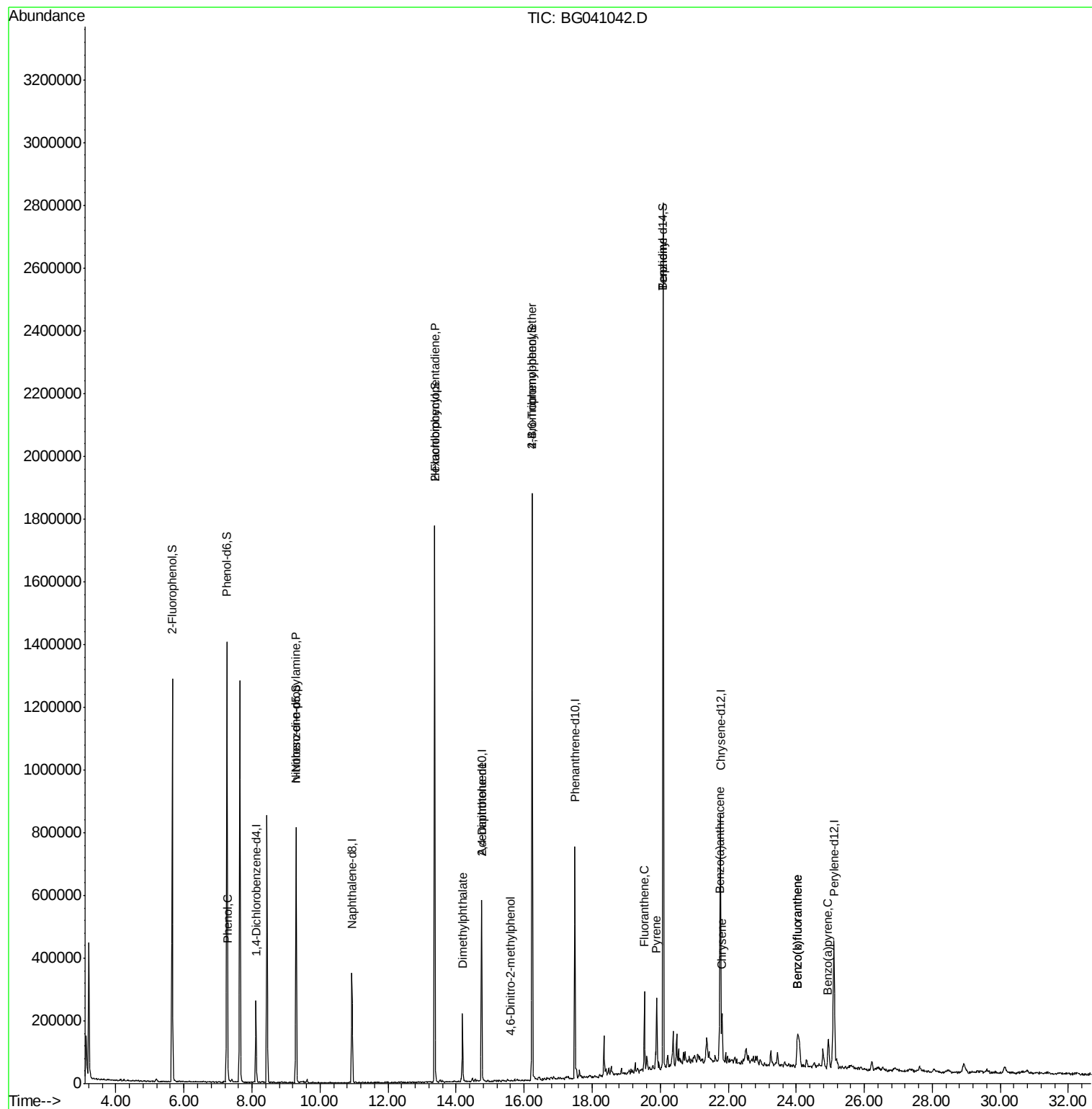
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.29	94	24894	4.007	ng	75
19) n-Nitroso-di-n-propylamine	9.29	70	70176	15.736	ng	# 79
41) Hexachlorocyclopentadiene	13.37	237	58	8.248	ng	# 26
50) Dimethylphthalate	14.19	163	141093	8.619	ng	99
57) 2,4-Dinitrotoluene	14.75	165	26009	5.217	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.59	198	82	8.617	ng	# 4
67) 4-Bromophenyl-phenylether	16.23	248	27294	4.462	ng	# 1
75) Fluoranthene	19.53	202	165739	5.684	ng	99
77) Benzidine	20.09	184	22384	2.103	ng	# 91
78) Pyrene	19.90	202	152536	5.259	ng	96
81) Benzo(a)anthracene	21.75	228	143226	4.822	ng	94
83) Chrysene	21.82	228	119615	4.208	ng	99
88) Benzo(b)fluoranthene	24.04	252	154342	5.231	ng	97
89) Benzo(k)fluoranthene	24.04	252	154342	5.286	ng	99
90) Benzo(a)pyrene	24.94	252	107811	3.830	ng	97

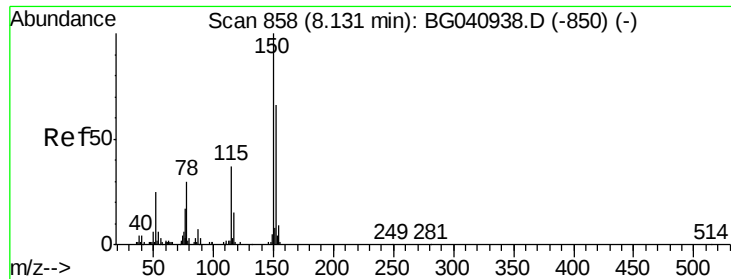
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG041042.D

Acq: 3 Jun 2019 20:03

Instrument :

BNA_G

ClientSampleId :

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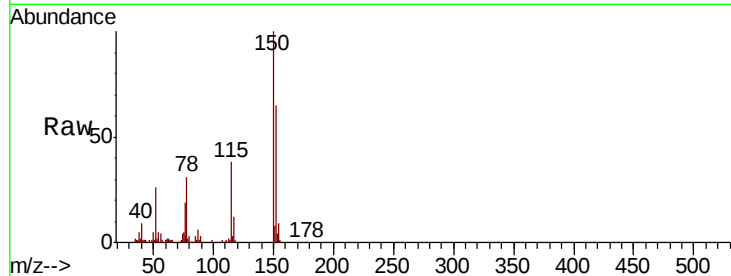
Tgt Ion:152 Resp: 67661

Ion Ratio Lower Upper

152 100

150 153.9 120.6 180.8

115 58.4 45.1 67.7

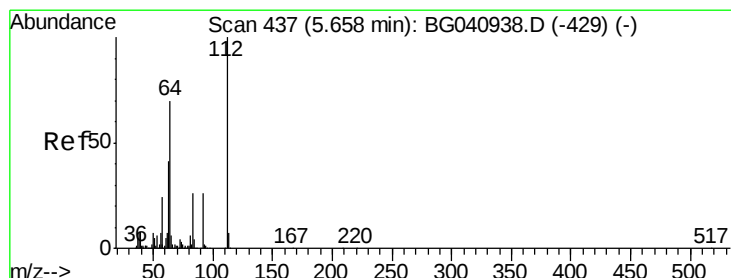
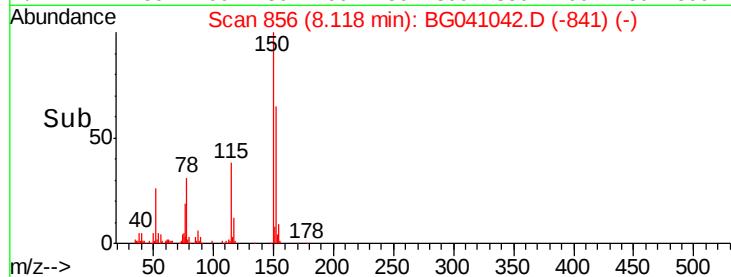
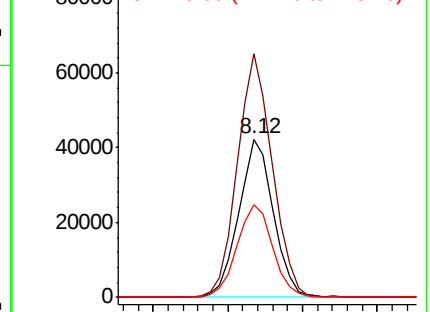


Abundance

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: 131.040 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

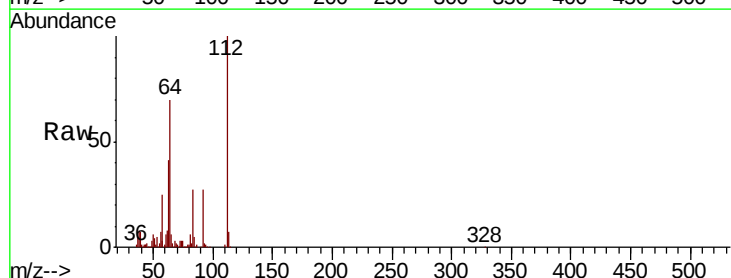
Tgt Ion:112 Resp: 491693

Ion Ratio Lower Upper

112 100

64 70.4 56.2 84.2

63 40.7 32.8 49.2

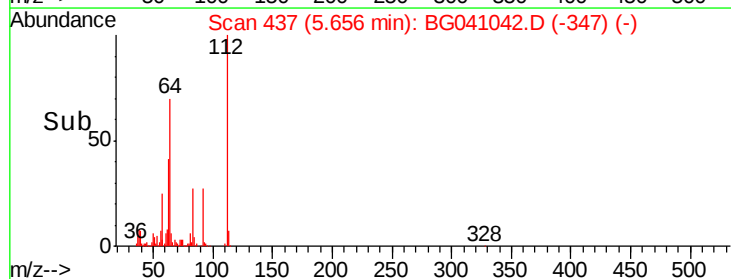
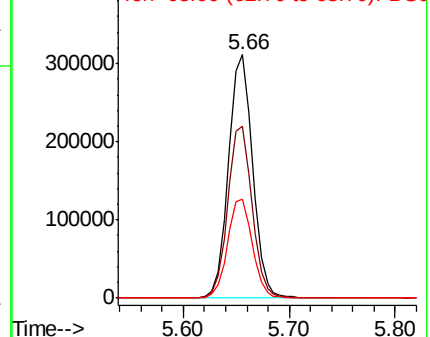


Abundance

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: 125.464 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

Instrument :

BNA_G

ClientSampleId :

0433-HR-13(HACKENSACK)

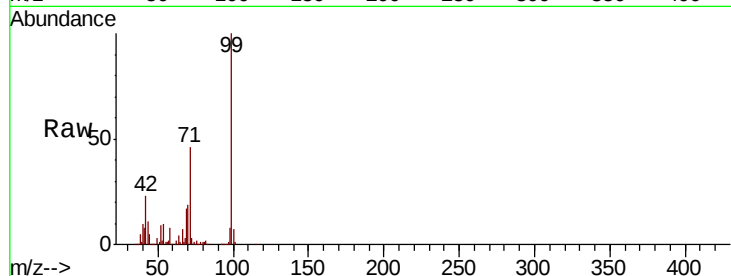
Tgt Ion: 99 Resp: 727059

Ion Ratio Lower Upper

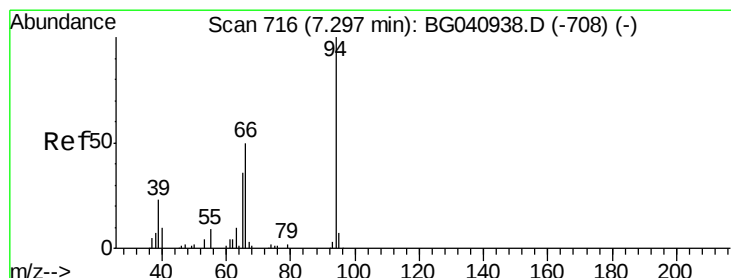
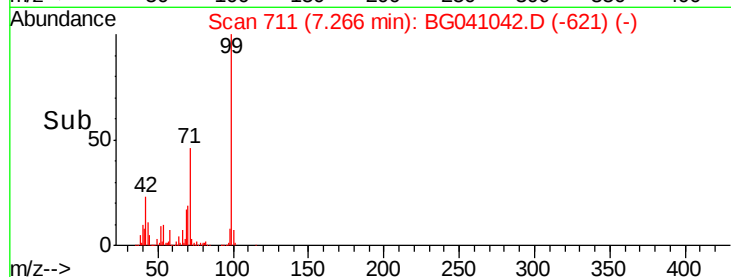
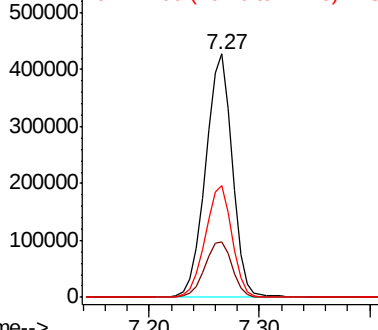
99 100

42 22.8 17.9 26.9

71 45.9 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: 4.007 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

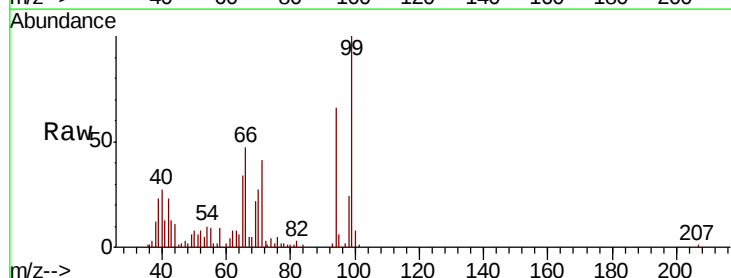
Tgt Ion: 94 Resp: 24894

Ion Ratio Lower Upper

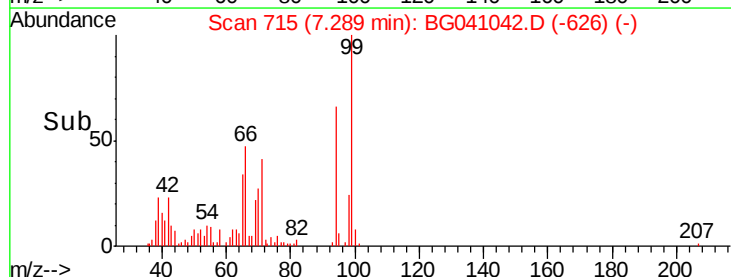
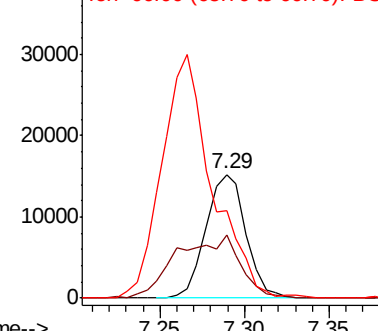
94 100

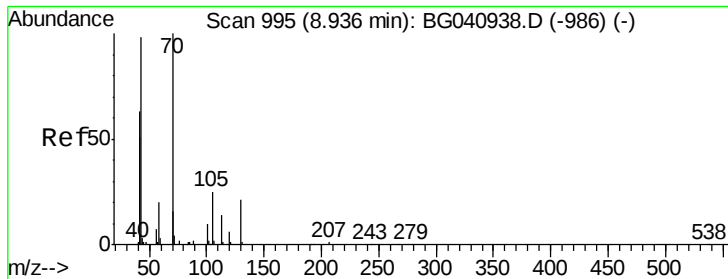
65 50.9 17.0 57.0

66 70.6 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

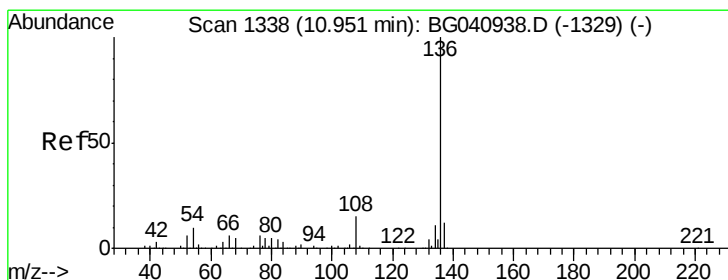
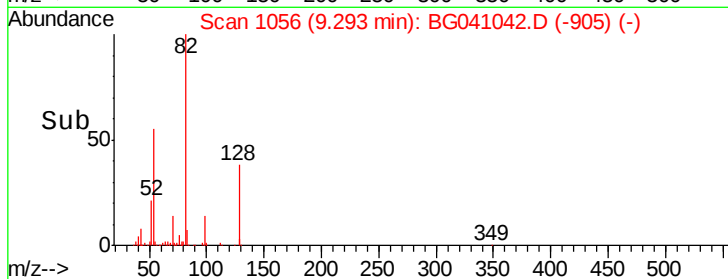
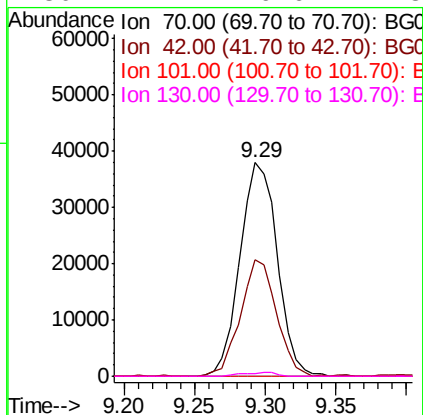
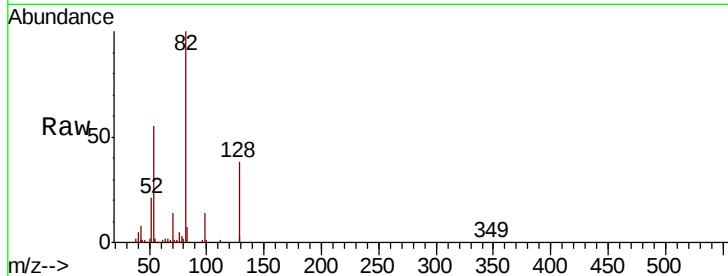




#19
n-Nitroso-di-n-propylamine
Concen: 15.736 ng
RT: 9.29 min Scan# 1056
Delta R.T. 0.36 min
Lab File: BG041042.D
Acq: 3 Jun 2019 20:03

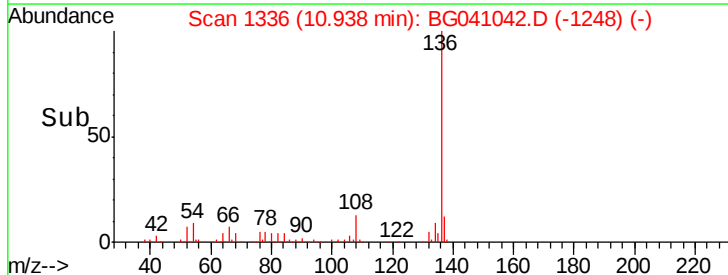
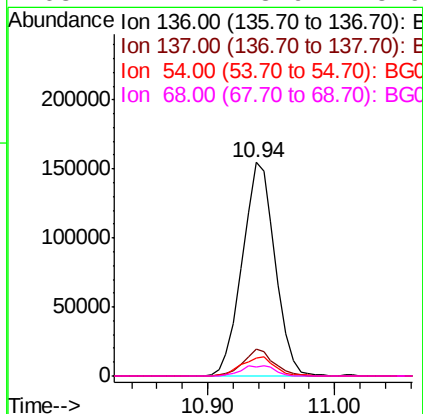
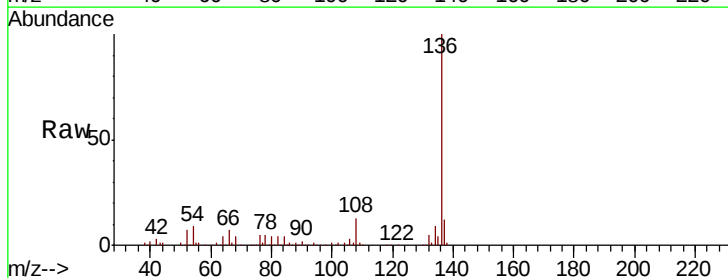
Instrument :
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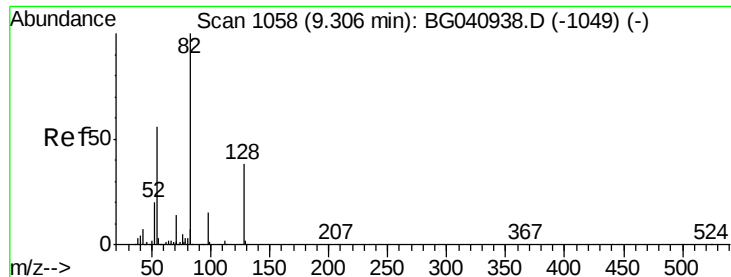
Tgt Ion:	70	Resp:	70176
Ion	Ratio	Lower	Upper
70	100		
42	54.3	51.5	77.3
101	0.0	8.1	12.1#
130	1.2	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG041042.D
Acq: 3 Jun 2019 20:03

Tgt Ion:	136	Resp:	277938
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	8.5	7.6	11.4
68	4.4	3.9	5.9

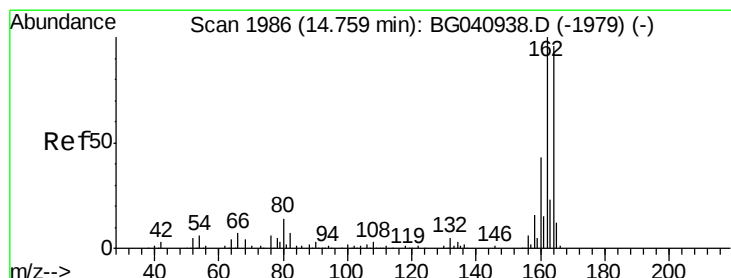
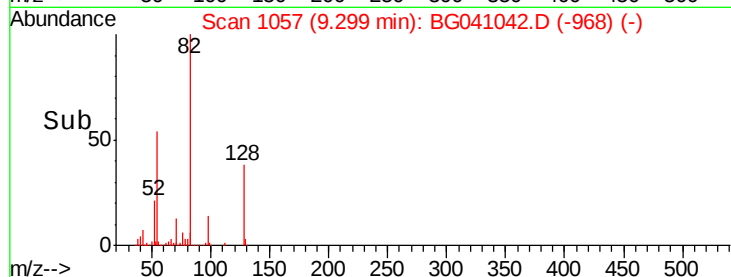
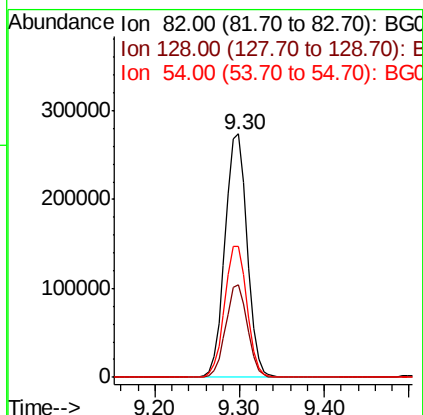
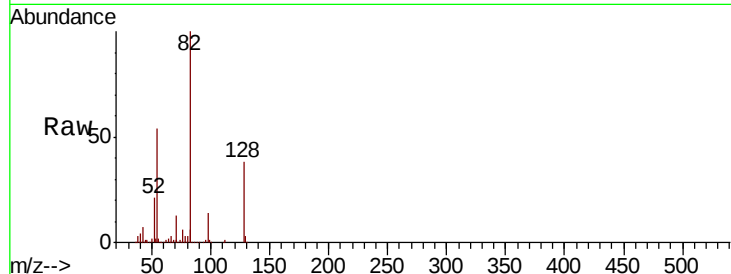




#23
 Nitrobenzene-d5
 Concen: 79.272 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BG041042.D
 Acq: 3 Jun 2019 20:03

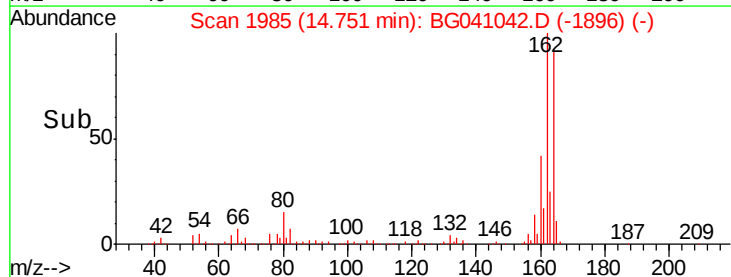
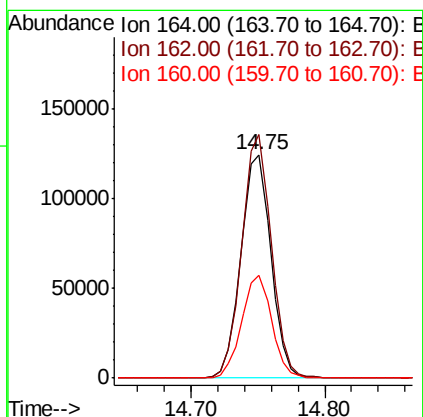
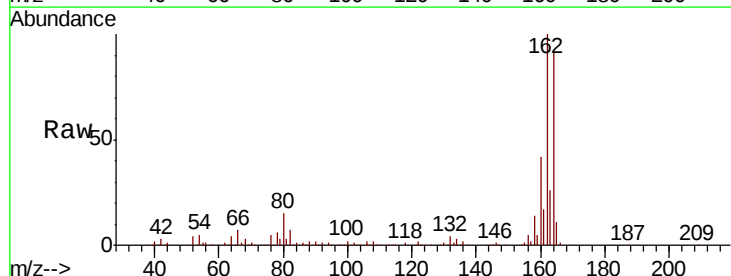
Instrument :
 BNA_G
 ClientSampleId :
 0433-HR-13(HACKENSACK)

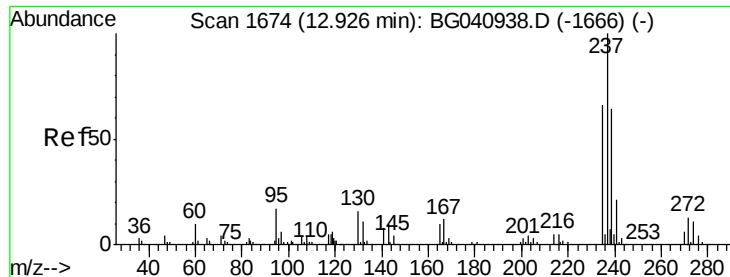
Tgt Ion: 82 Resp: 496300
 Ion Ratio Lower Upper
 82 100
 128 38.2 30.5 45.7
 54 53.5 44.6 66.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BG041042.D
 Acq: 3 Jun 2019 20:03

Tgt Ion: 164 Resp: 193377
 Ion Ratio Lower Upper
 164 100
 162 109.0 83.0 124.4
 160 45.9 35.6 53.4





#41

Hexachlorocyclopentadiene

Concen: 8.248 ng

RT: 13.37 min Scan# 1750

Delta R.T. 0.45 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

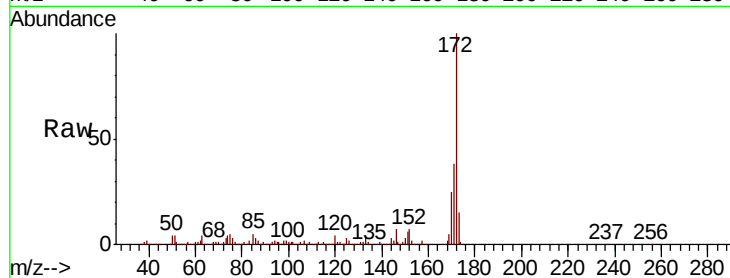
Instrument :

BNA_G

ClientSampleId :

0433-HR-13(HACKENSACK)

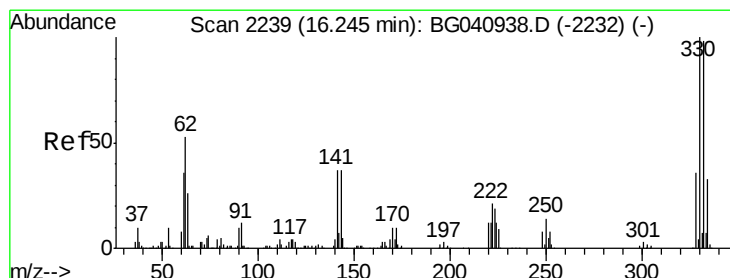
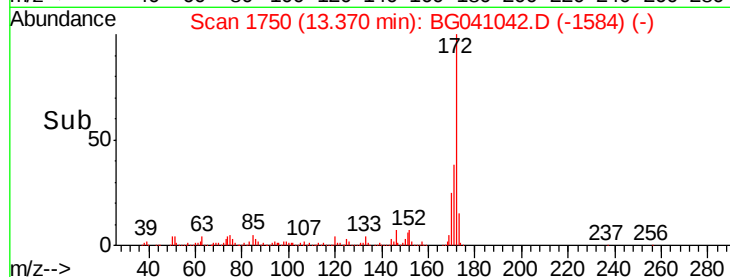
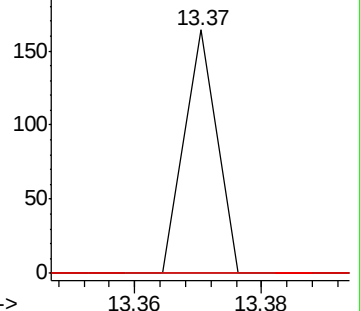
Tgt Ion:	237	Resp:	58
Ion Ratio	Lower	Upper	
237	100		
235	0.0	45.5	85.5#
272	0.0	0.0	32.9



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: 124.094 ng

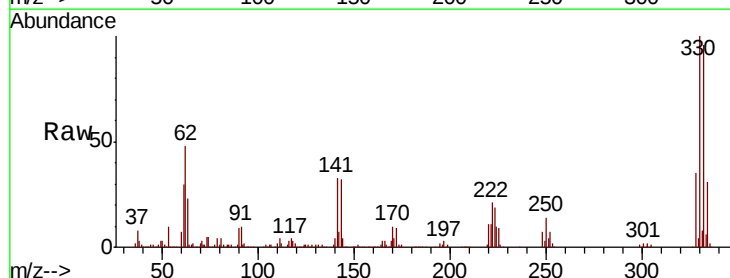
RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

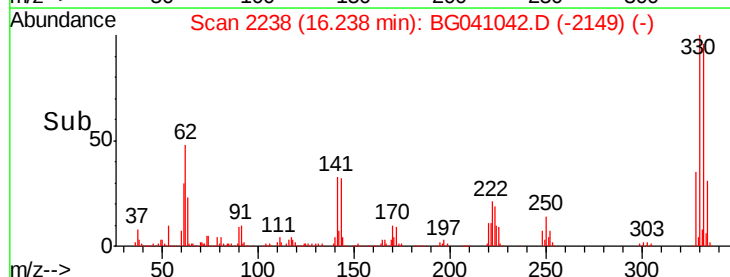
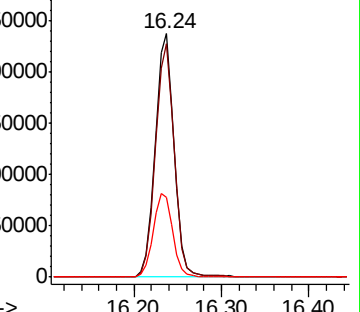
Tgt Ion:	330	Resp:	356252
Ion Ratio	Lower	Upper	
330	100		
332	95.7	78.5	117.7
141	35.7	28.7	43.1

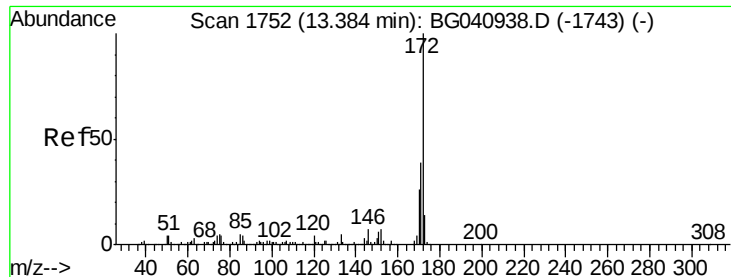


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

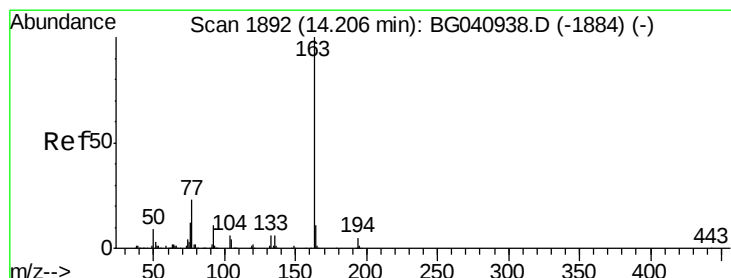
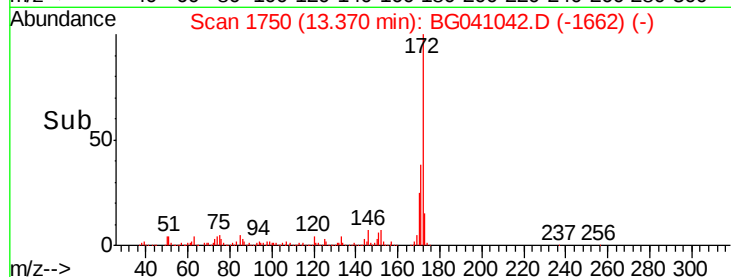
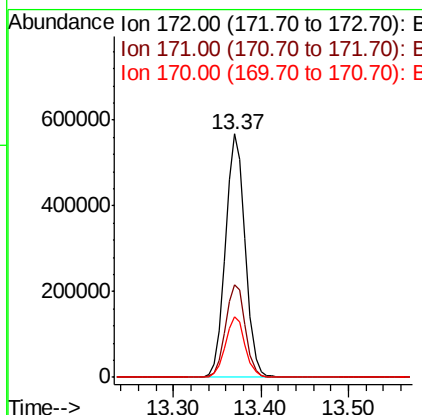
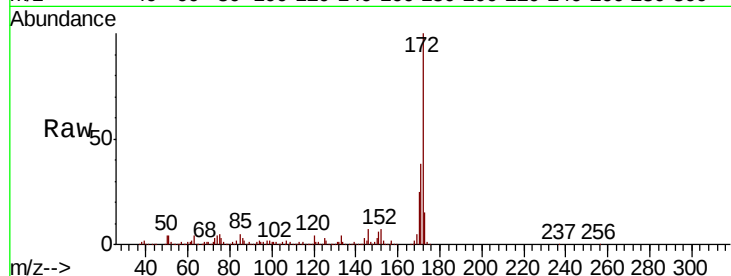




#45
2-Fluorobiphenyl
Concen: 65.578 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG041042.D
Acq: 3 Jun 2019 20:03

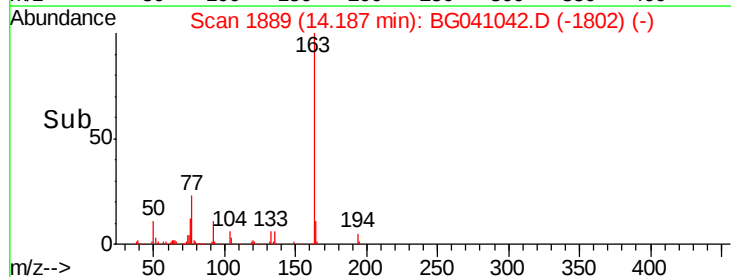
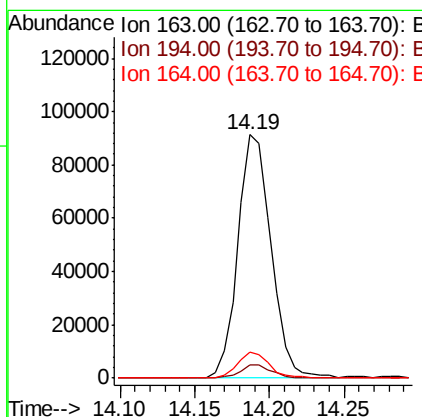
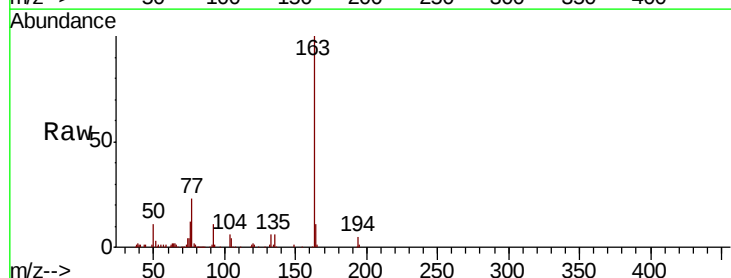
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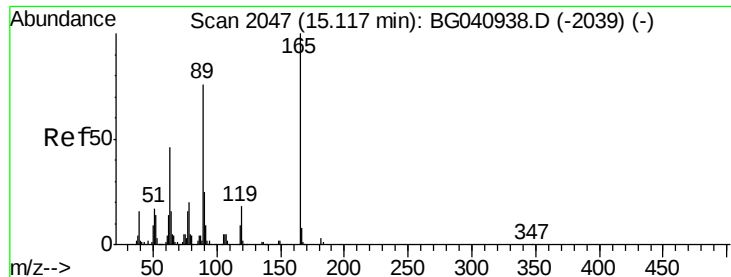
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.1	46.7
170	24.8	20.5	30.7



#50
Dimethylphthalate
Concen: 8.619 ng
RT: 14.19 min Scan# 1889
Delta R.T. -0.02 min
Lab File: BG041042.D
Acq: 3 Jun 2019 20:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.8	5.8
164	10.6	8.7	13.1





#57

2,4-Dinitrotoluene

Concen: 5.217 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.37 min

Lab File: BG041042.D

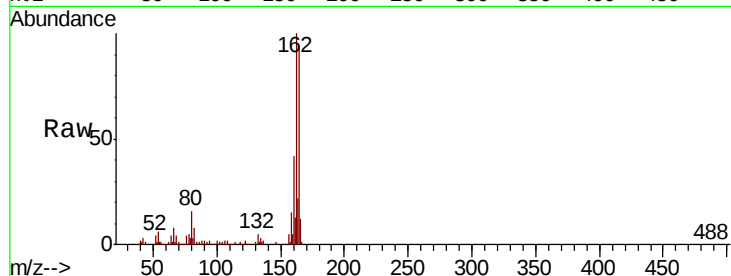
Acq: 3 Jun 2019 20:03

Instrument :

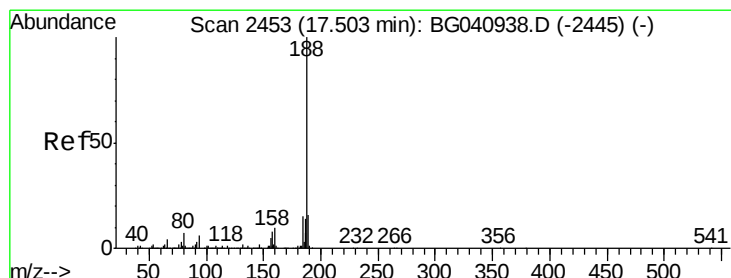
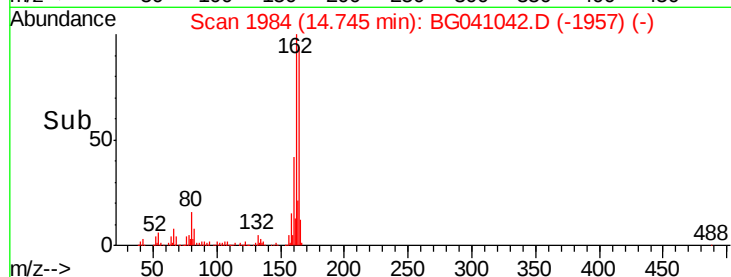
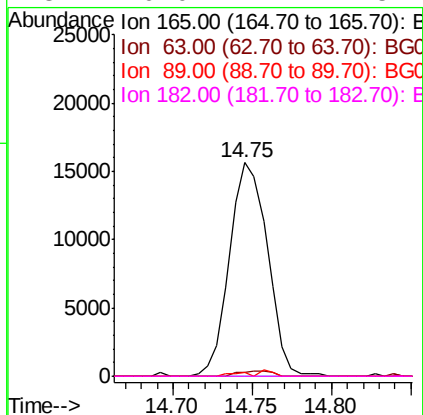
BNA_G

ClientSampleId :

0433-HR-13(HACKENSACK)



Tgt Ion:	165	Resp:	26009
Ion	Ratio	Lower	Upper
165	100		
63	1.9	37.3	55.9#
89	1.7	61.0	91.6#
182	0.0	2.2	3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

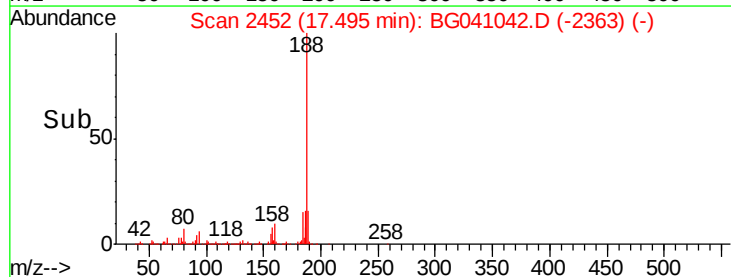
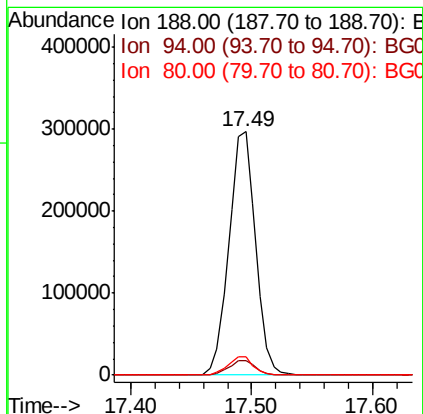
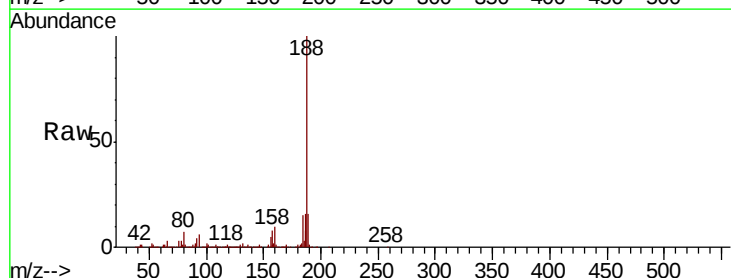
RT: 17.49 min Scan# 2452

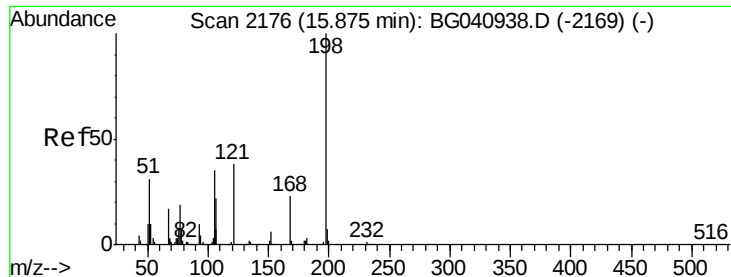
Delta R.T. -0.01 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

Tgt Ion:	188	Resp:	453240
Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	7.3	5.8	8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.617 ng

RT: 15.59 min Scan# 2128

Delta R.T. -0.28 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

Instrument :

BNA_G

ClientSampleId :

0433-HR-13(HACKENSACK)

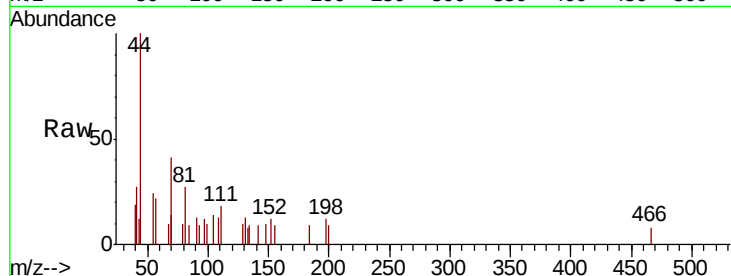
Tgt Ion:198 Resp: 82

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

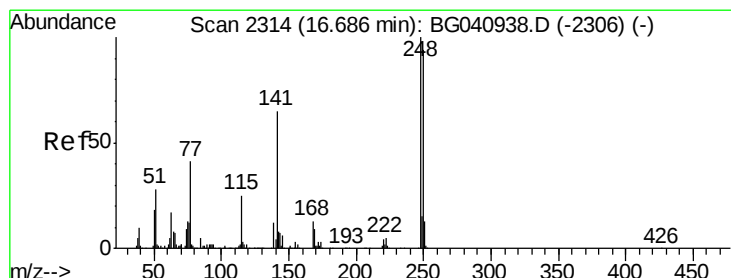
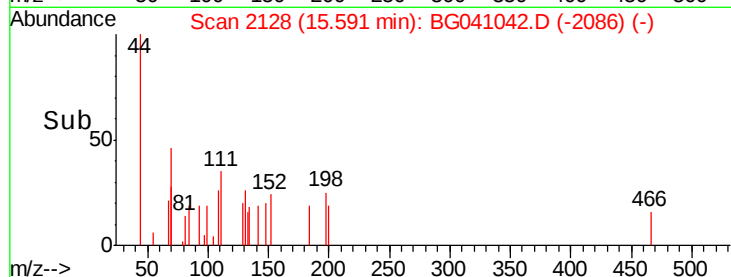
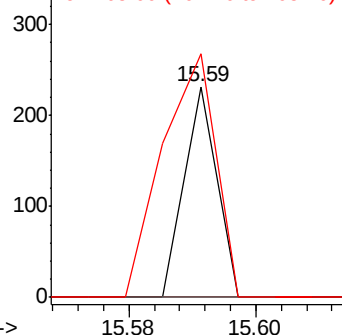
105 115.5 17.5 57.5#



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: 4.462 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.45 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

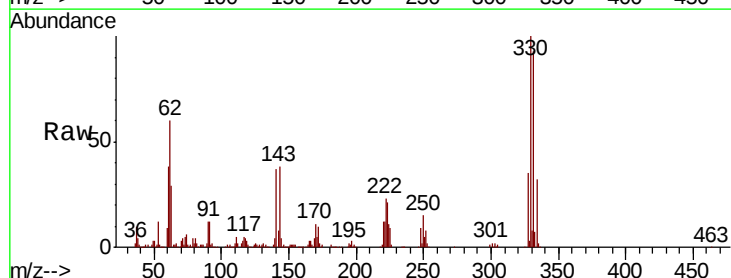
Tgt Ion:248 Resp: 27294

Ion Ratio Lower Upper

248 100

250 176.7 75.0 112.4#

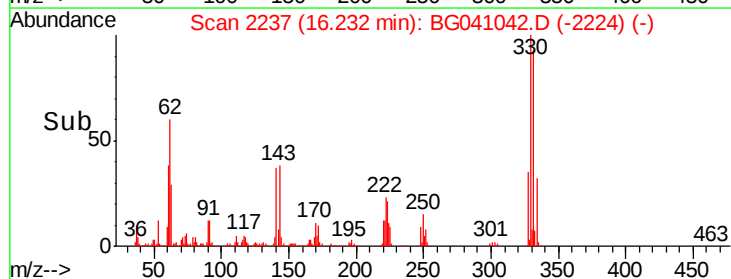
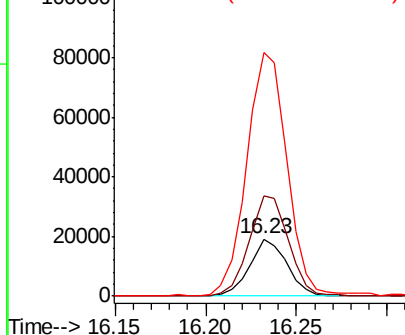
141 428.5 52.4 78.6#

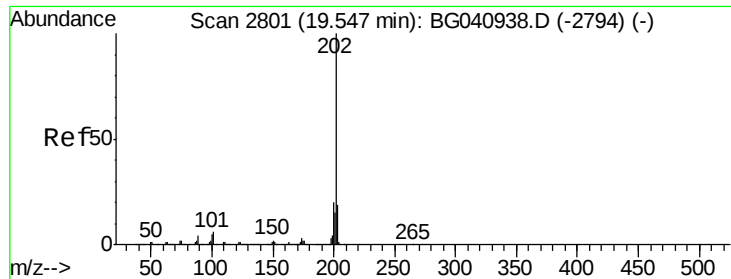


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 5.684 ng

RT: 19.53 min Scan# 2799

Delta R.T. -0.01 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

Instrument :

BNA_G

ClientSampleId :

0433-HR-13(HACKENSACK)

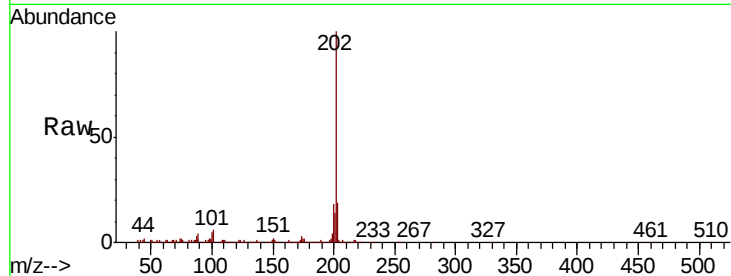
Tgt Ion:202 Resp: 165739

Ion Ratio Lower Upper

202 100

101 5.7 0.0 26.2

203 18.5 0.0 38.7

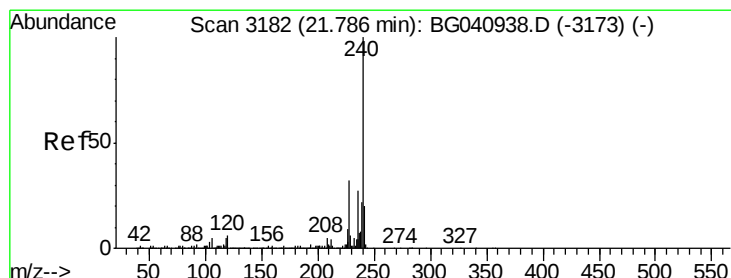
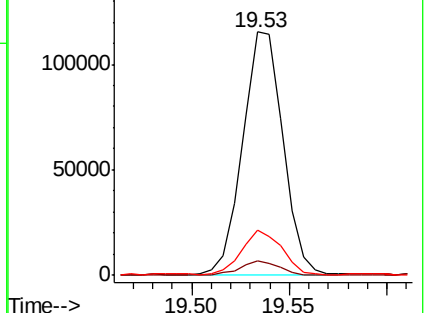
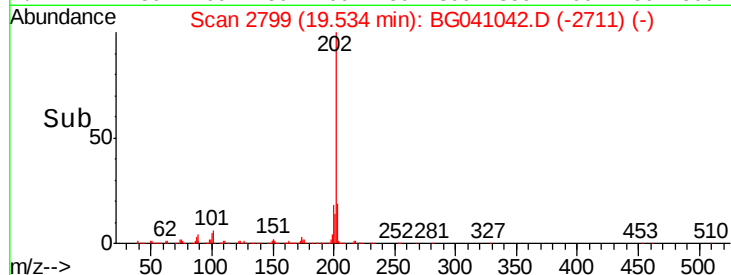


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

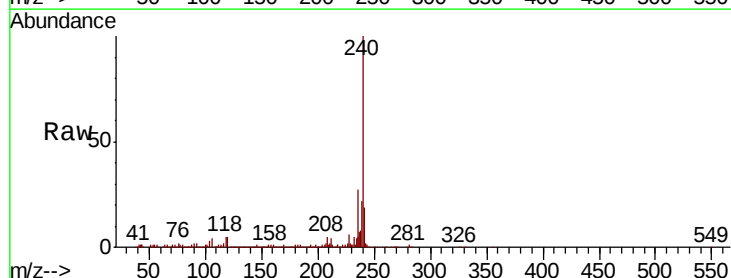
Tgt Ion:240 Resp: 446217

Ion Ratio Lower Upper

240 100

120 4.9 4.5 6.7

236 27.3 21.3 31.9

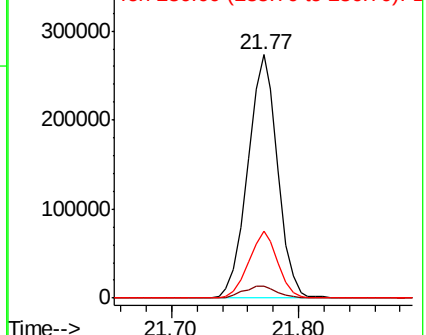
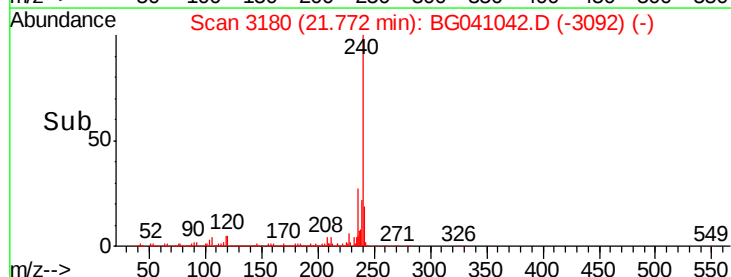


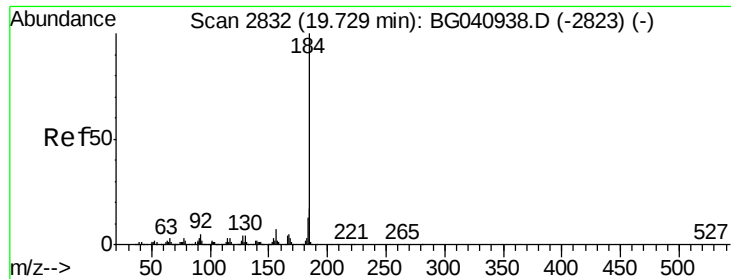
Abundance

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: 2.103 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.36 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

Instrument :

BNA_G

ClientSampleId :

0433-HR-13(HACKENSACK)

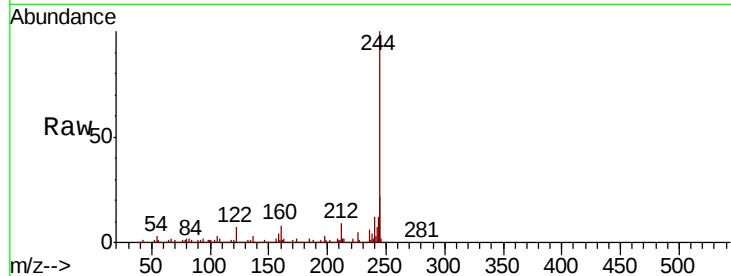
Tgt Ion:184 Resp: 22384

Ion Ratio Lower Upper

184 100

185 18.7 13.3 19.9

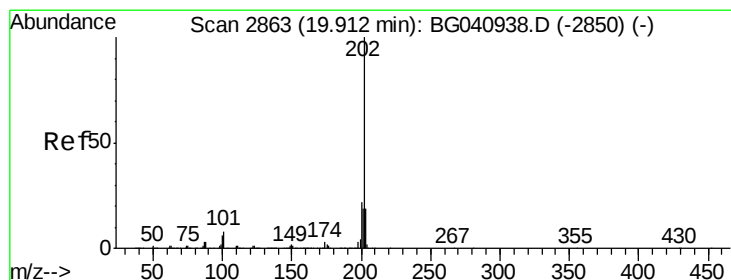
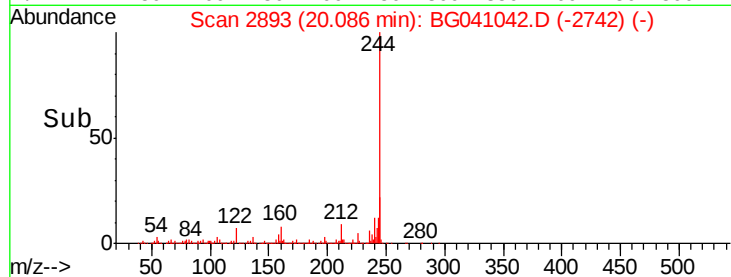
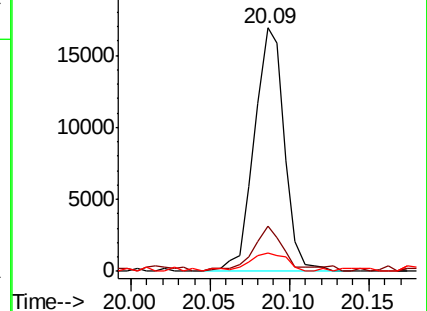
183 7.7 10.7 16.1#



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



#78

Pyrene

Concen: 5.259 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

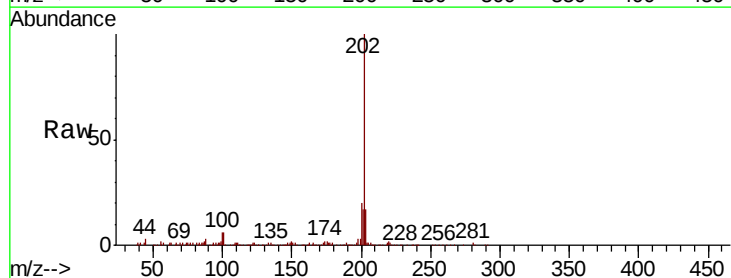
Tgt Ion:202 Resp: 152536

Ion Ratio Lower Upper

202 100

200 20.3 17.5 26.3

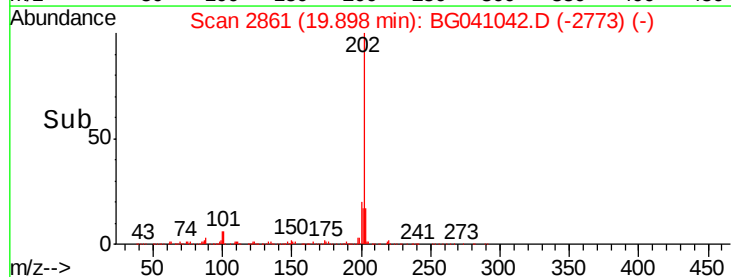
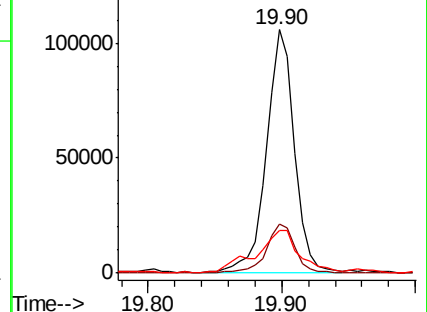
203 17.3 15.6 23.4

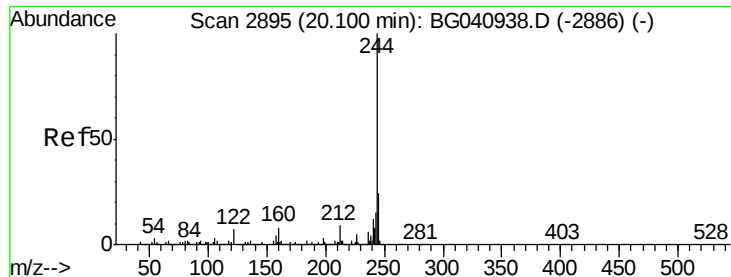


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 60.233 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

Instrument :

BNA_G

ClientSampleId :

0433-HR-13(HACKENSACK)

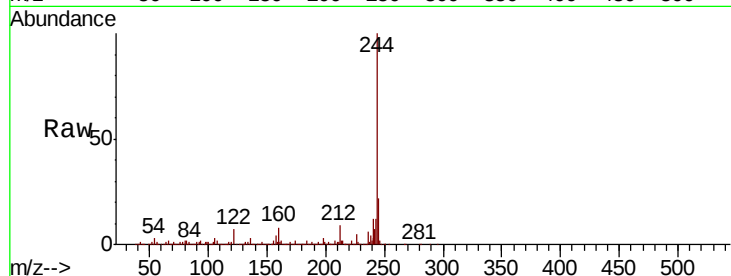
Tgt Ion:244 Resp: 1266372

Ion Ratio Lower Upper

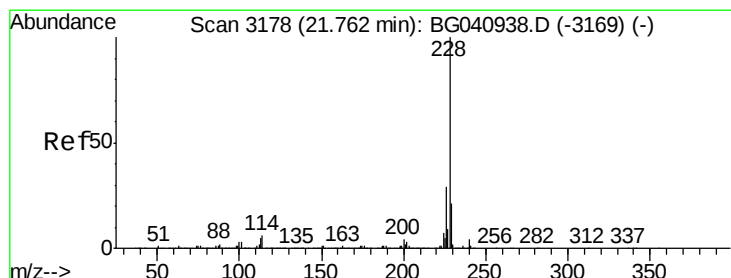
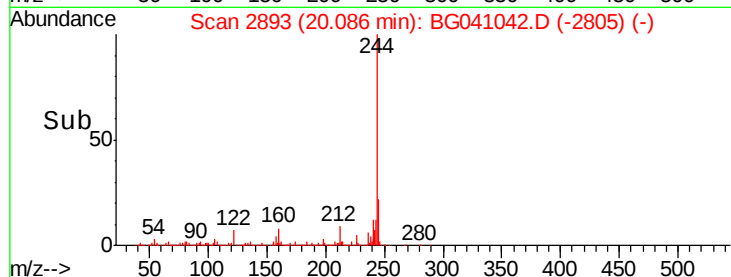
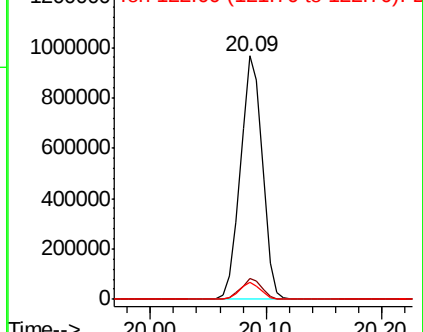
244 100

212 8.7 7.0 10.4

122 7.1 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



#81

Benzo(a)anthracene

Concen: 4.822 ng

RT: 21.75 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

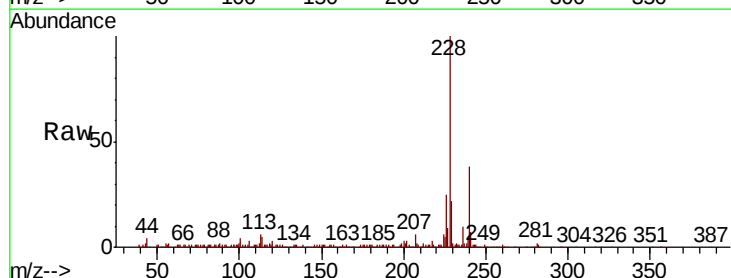
Tgt Ion:228 Resp: 143226

Ion Ratio Lower Upper

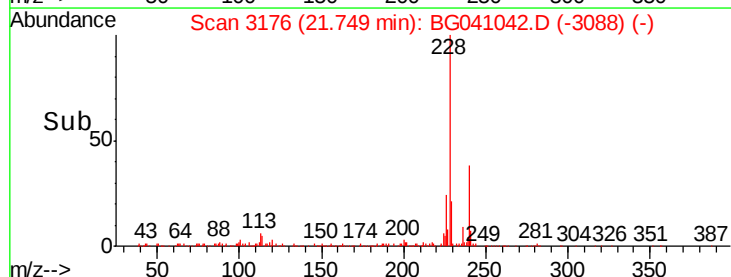
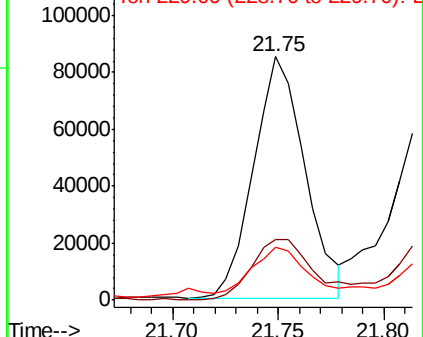
228 100

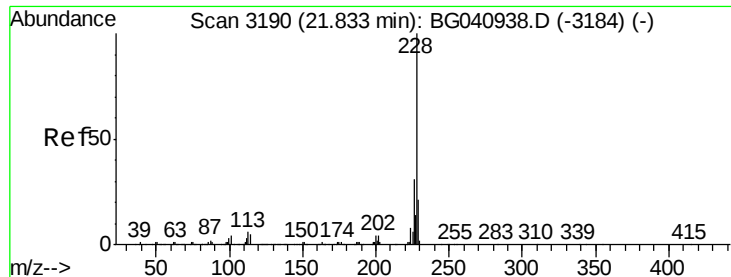
226 24.7 23.5 35.3

229 21.7 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.208 ng

RT: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

Instrument :

BNA_G

ClientSampleId :

0433-HR-13(HACKENSACK)

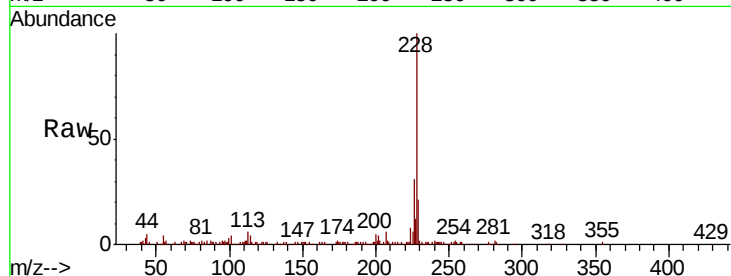
Tgt Ion:228 Resp: 119615

Ion Ratio Lower Upper

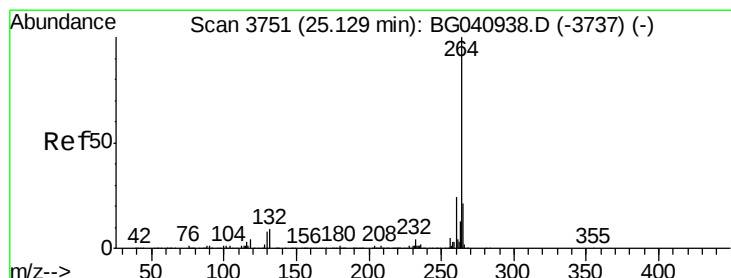
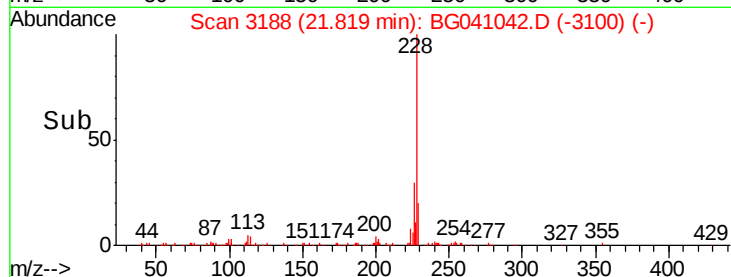
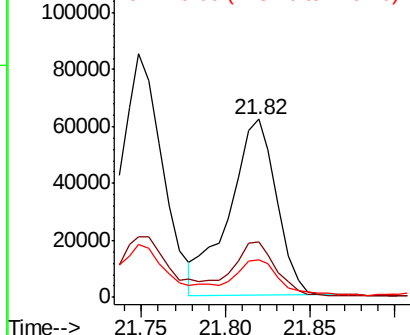
228 100

226 30.9 24.6 37.0

229 21.1 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3747

Delta R.T. -0.03 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

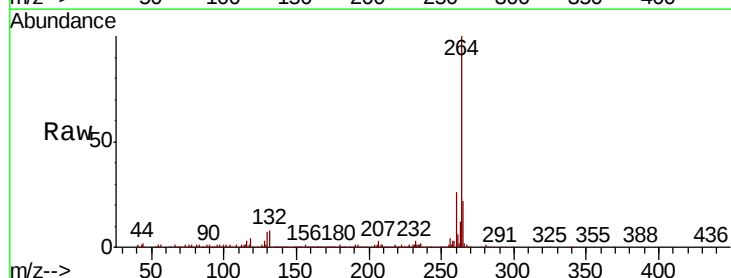
Tgt Ion:264 Resp: 486461

Ion Ratio Lower Upper

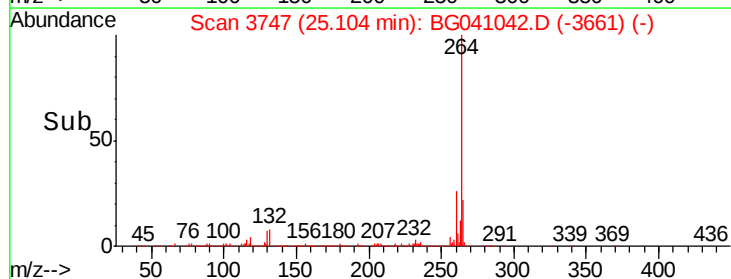
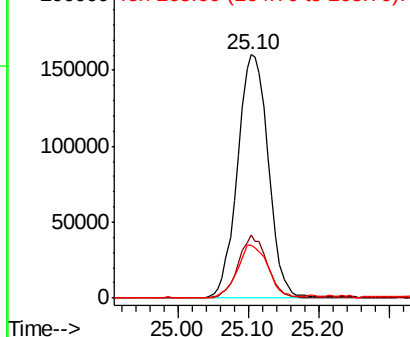
264 100

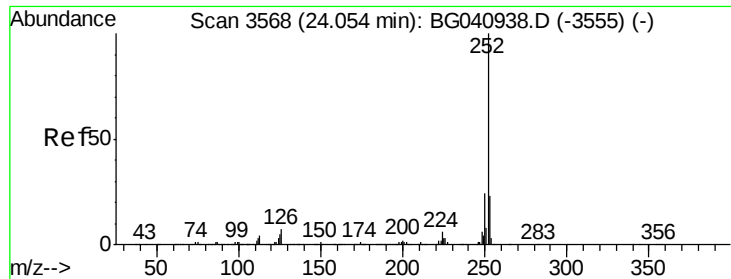
260 25.9 19.0 28.4

265 22.0 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





#88

Benzo(b)fluoranthene

Concen: 5.231 ng

RT: 24.04 min Scan# 3566

Delta R.T. -0.01 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

Instrument :

BNA_G

ClientSampleId :

0433-HR-13(HACKENSACK)

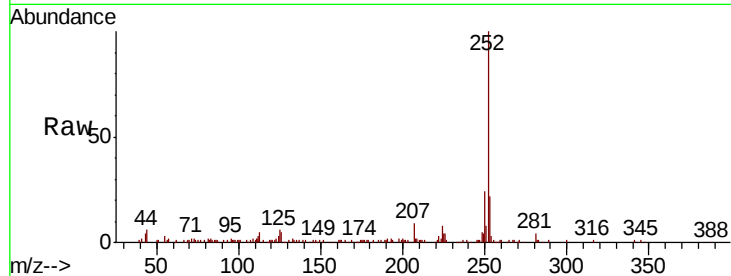
Tgt Ion:252 Resp: 154342

Ion Ratio Lower Upper

252 100

253 21.7 18.4 27.6

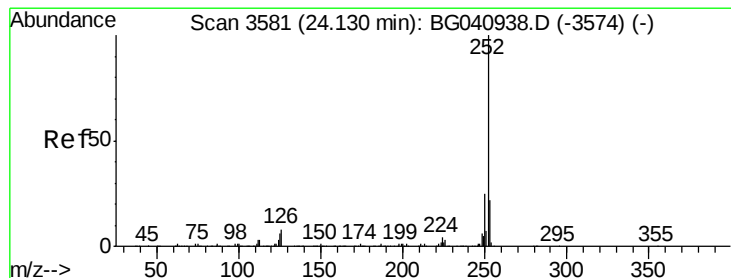
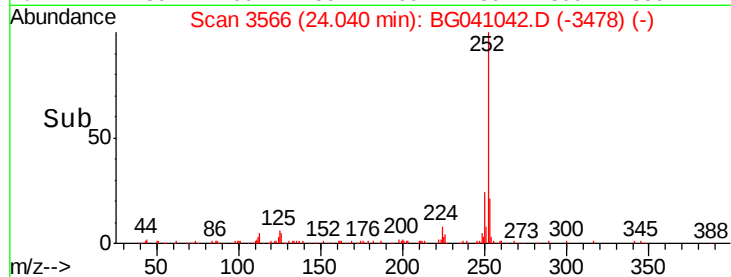
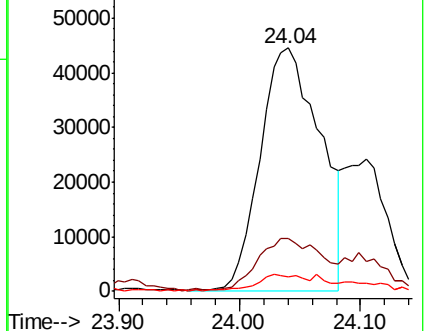
125 6.0 4.3 6.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 5.286 ng

RT: 24.04 min Scan# 3566

Delta R.T. -0.09 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

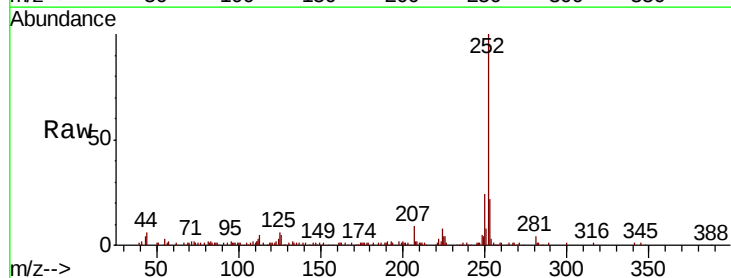
Tgt Ion:252 Resp: 154342

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

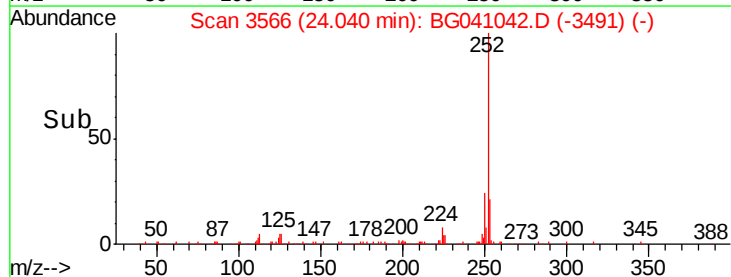
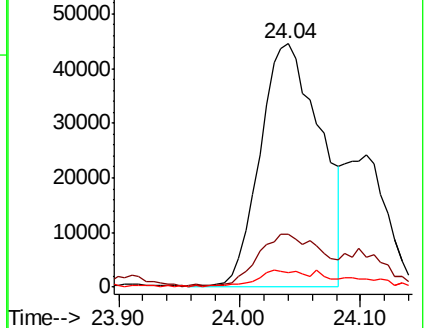
125 6.0 4.7 7.1

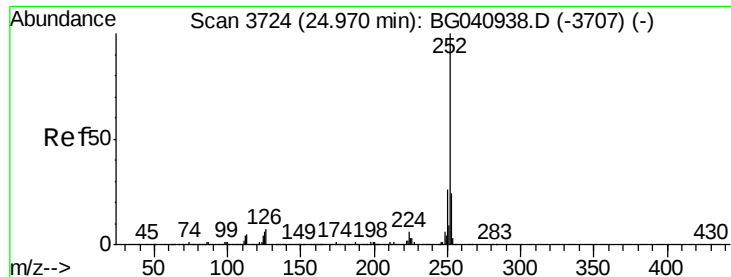


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.830 ng

RT: 24.94 min Scan# 3719

Delta R.T. -0.03 min

Lab File: BG041042.D

Acq: 3 Jun 2019 20:03

Instrument :

BNA_G

ClientSampleId :

0433-HR-13(HACKENSACK)

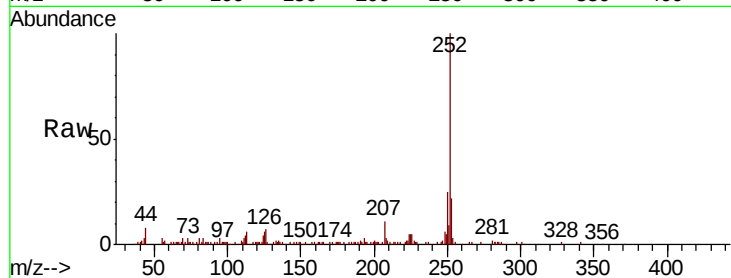
Tgt Ion:252 Resp: 107811

Ion Ratio Lower Upper

252 100

253 22.2 19.5 29.3

125 6.5 5.1 7.7



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

