

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062119\
 Data File : BG041380.D
 Acq On : 21 Jun 2019 15:57
 Operator : HP/JU
 Sample : K3455-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TP-1-MHDL

Quant Time: Jun 22 01:03:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	33344	20.00	ng	-0.01
21) Naphthalene-d8	10.89	136	135404	20.00	ng	-0.02
39) Acenaphthene-d10	14.71	164	93443	20.00	ng	-0.01
64) Phenanthrene-d10	17.45	188	219666	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	212122	20.00	ng	-0.01
87) Perylene-d12	25.04	264	234800	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	38507	21.22	ng	-0.01
7) Phenol-d6	7.22	99	57797	21.97	ng	-0.01
23) Nitrobenzene-d5	9.25	82	40229	12.50	ng	-0.01
42) 2,4,6-Tribromophenol	16.20	330	27675	19.29	ng	-0.01
45) 2-Fluorobiphenyl	13.32	172	88702	12.90	ng	-0.02
79) Terphenyl-d14	20.05	244	126185	11.79	ng	-0.01

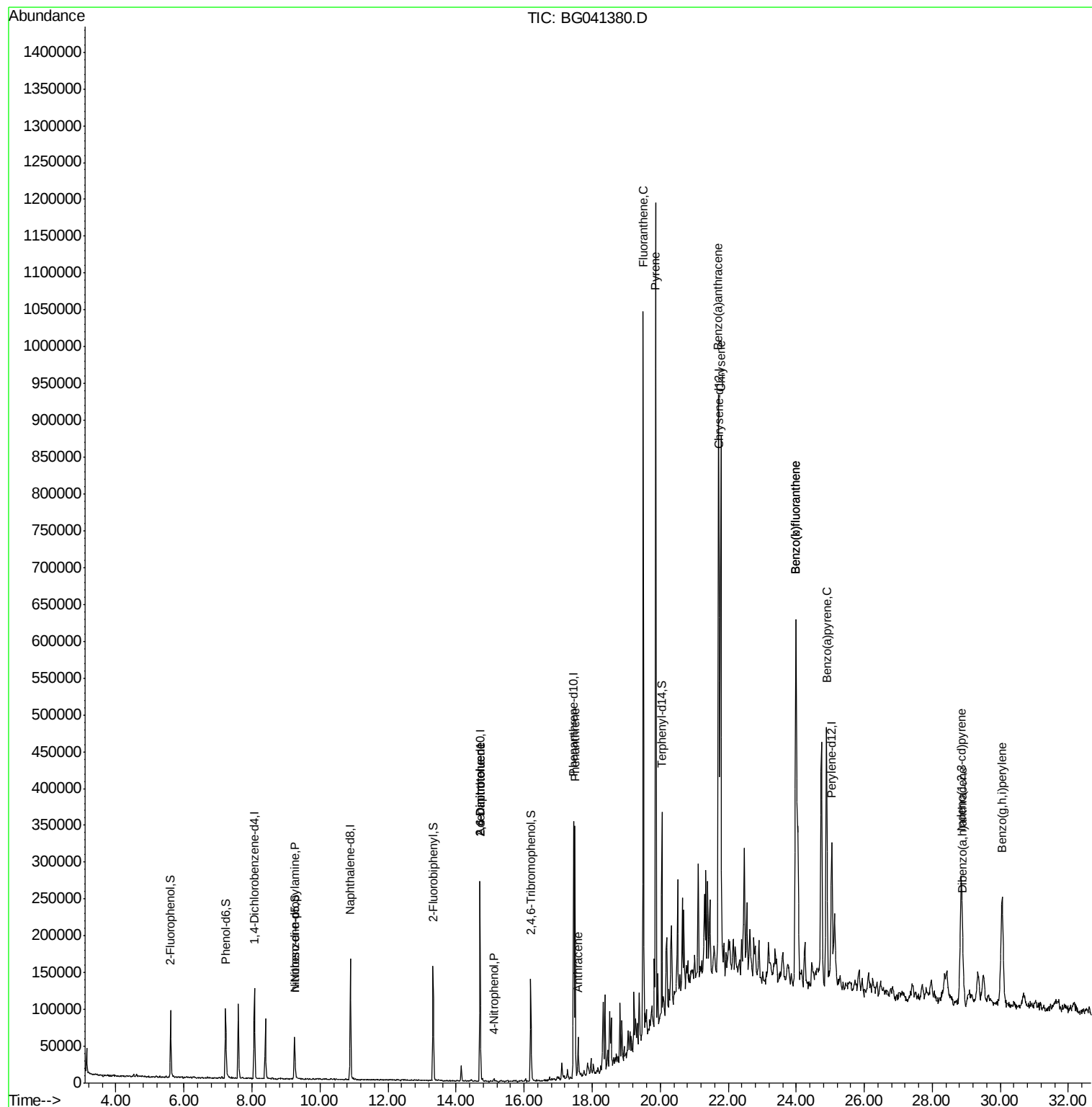
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.25	70	5650	2.656	ng	# 80
51) 2,6-Dinitrotoluene	14.71	165	12102	6.903	ng	# 17
56) 4-Nitrophenol	15.11	139	934	3.899	ng	# 1
57) 2,4-Dinitrotoluene	14.71	165	12102	4.722	ng	# 20
71) Phenanthrene	17.49	178	216631	18.491	ng	98
72) Anthracene	17.59	178	34450	2.983	ng	98
75) Fluoranthene	19.50	202	632549	40.641	ng	99
78) Pyrene	19.87	202	710923	49.695	ng	100
81) Benzo(a)anthracene	21.71	228	505293	35.181	ng	98
83) Chrysene	21.78	228	551097	39.899	ng	99
86) Indeno(1,2,3-cd)pyrene	28.85	276	311923	19.035	ng	98
88) Benzo(b)fluoranthene	23.99	252	644467	44.289	ng	98
89) Benzo(k)fluoranthene	23.99	252	644467	44.708	ng	99
90) Benzo(a)pyrene	24.89	252	408874	29.752	ng	96
91) Dibenzo(a,h)anthracene	28.90	278	92774	6.706	ng	99
92) Benzo(g,h,i)perylene	30.06	276	331610	24.253	ng	96

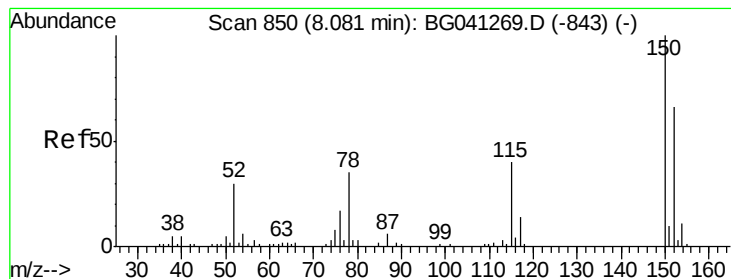
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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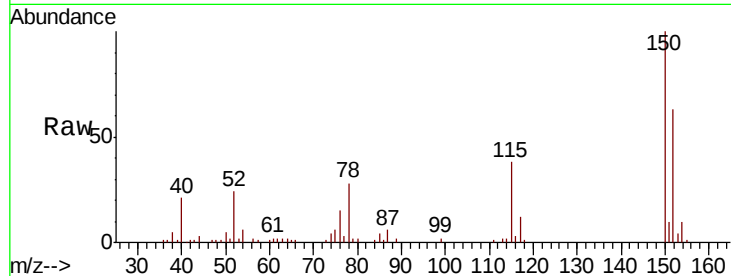


#1

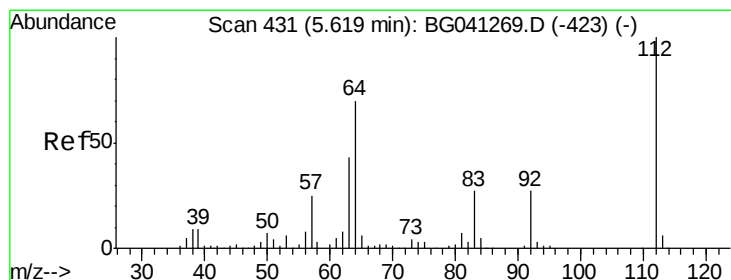
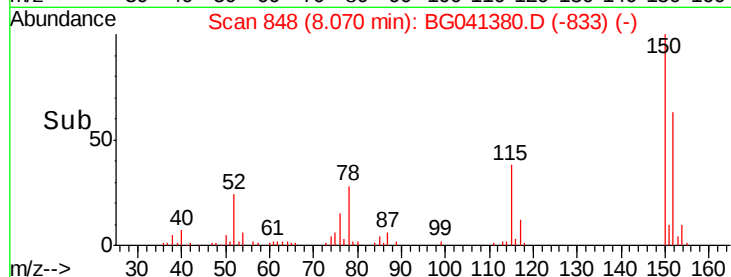
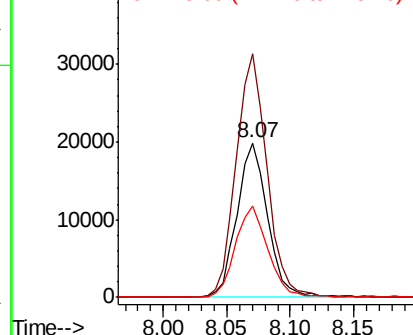
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_N
ClientSampleId :
TP-1-MHDL

Tgt Ion:152 Resp: 33344
Ion Ratio Lower Upper
152 100
150 157.9 120.6 181.0
115 59.6 47.9 71.9



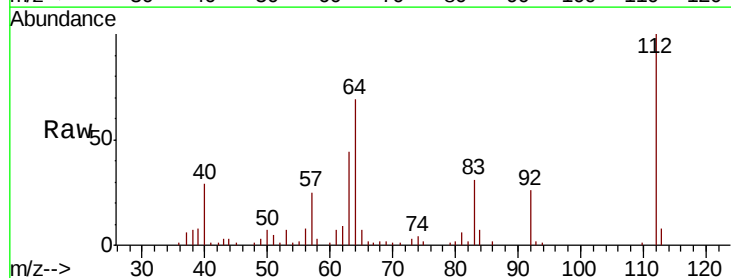
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



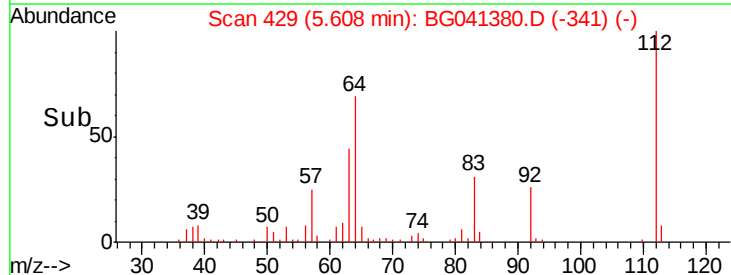
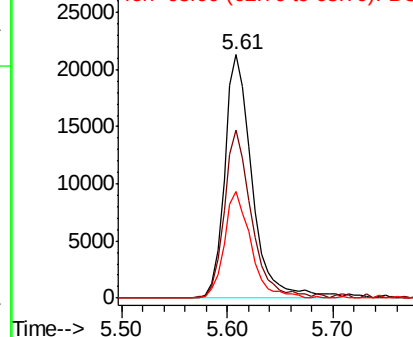
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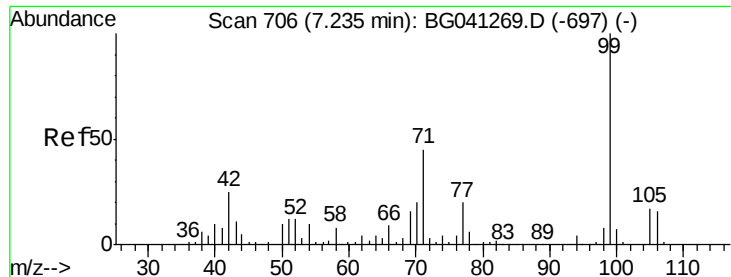
2-Fluorophenol
Concen: 21.219 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion:112 Resp: 38507
Ion Ratio Lower Upper
112 100
64 69.1 55.9 83.9
63 43.8 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 21.972 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_N

ClientSampleId :

TP-1-MHDL

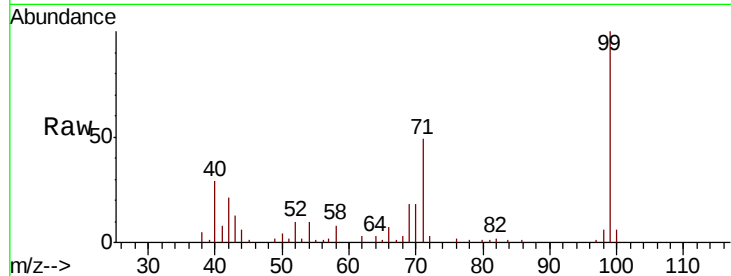
Tgt Ion: 99 Resp: 57797

Ion Ratio Lower Upper

99 100

42 20.8 19.9 29.9

71 49.4 36.4 54.6

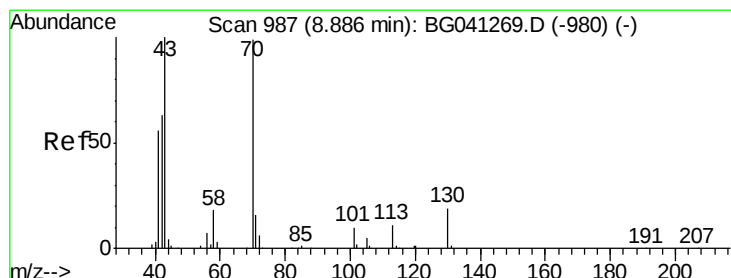
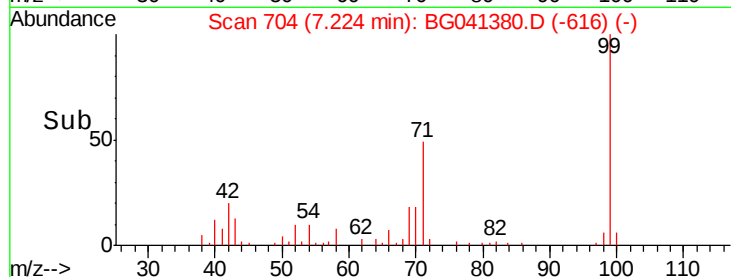
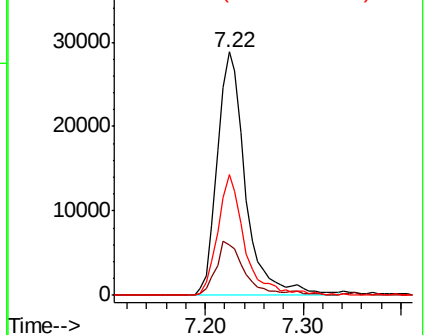


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 2.656 ng

RT: 9.25 min Scan# 1048

Delta R.T. 0.36 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Tgt Ion: 70 Resp: 5650

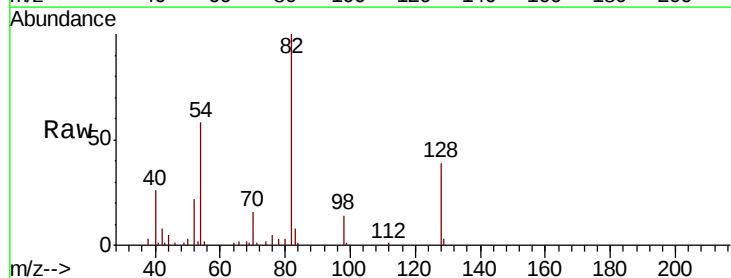
Ion Ratio Lower Upper

70 100

42 54.6 51.4 77.2

101 0.0 8.2 12.2#

130 0.0 15.2 22.8#



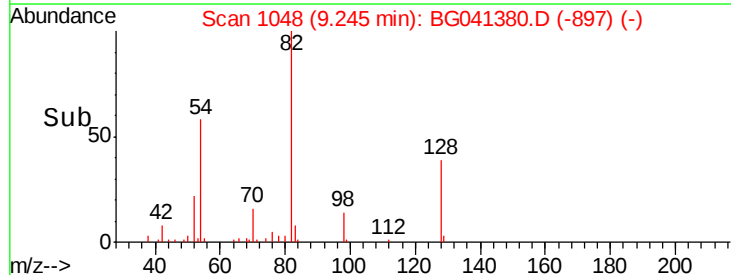
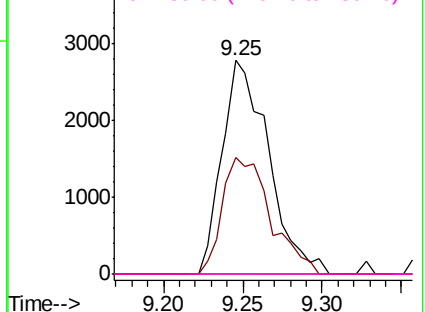
Abundance

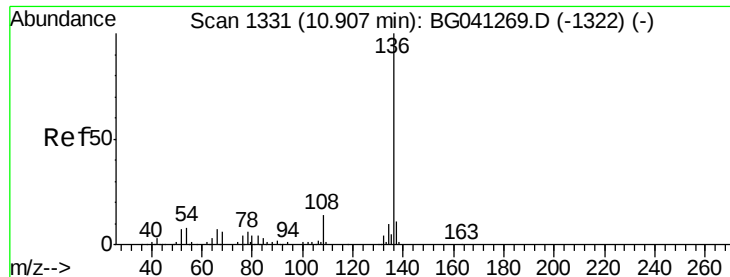
Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

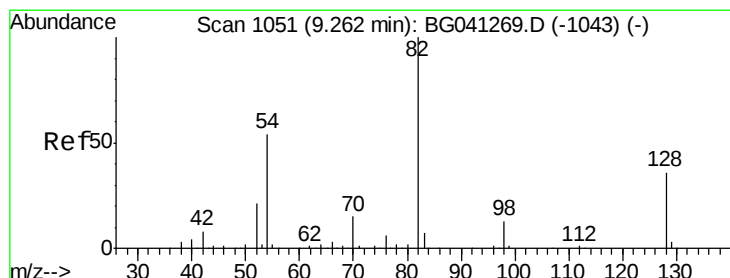
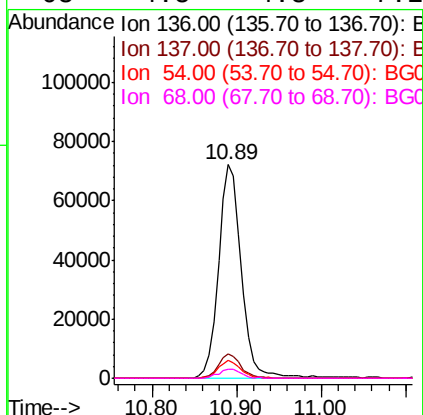
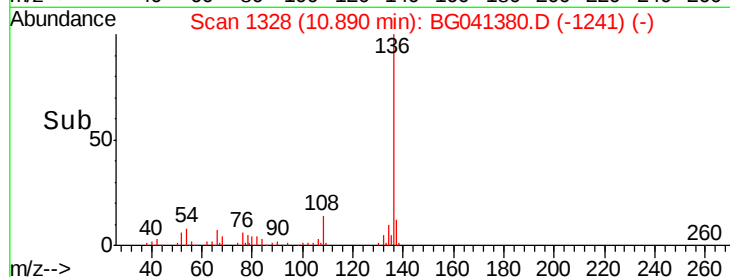
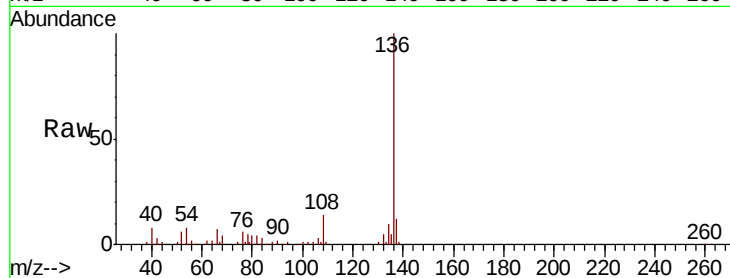




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

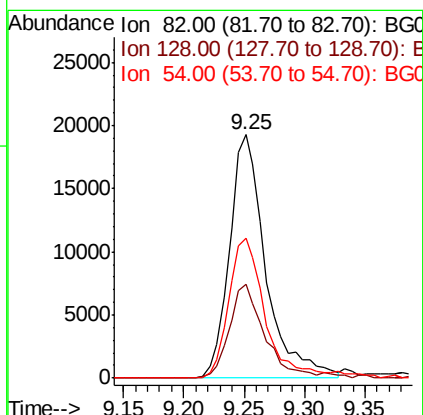
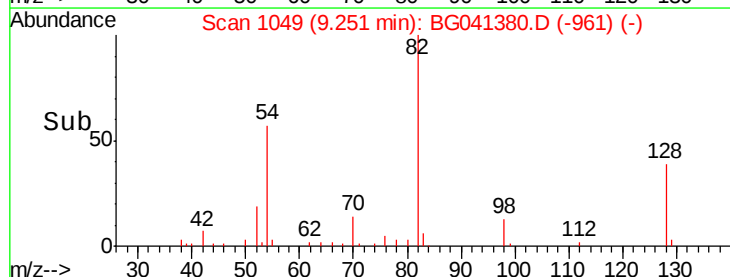
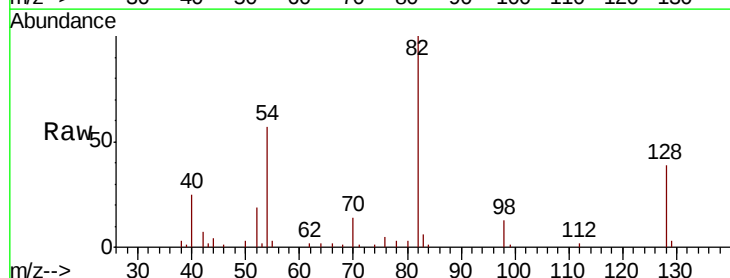
Instrument :
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TP-1-MHDL

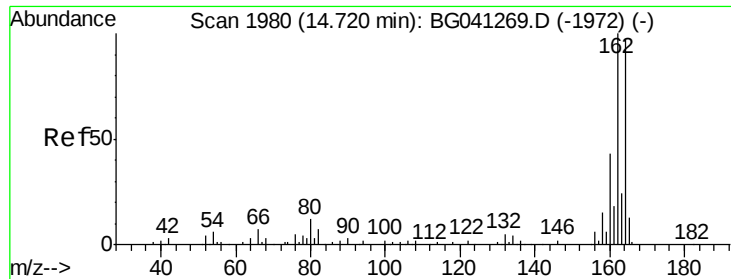
Tgt Ion:	136	Resp:	135404
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	8.4	6.4	9.6
68	4.5	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 12.495 ng
RT: 9.25 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion:	82	Resp:	40229
Ion	Ratio	Lower	Upper
82	100		
128	38.7	29.2	43.8
54	57.3	43.4	65.0

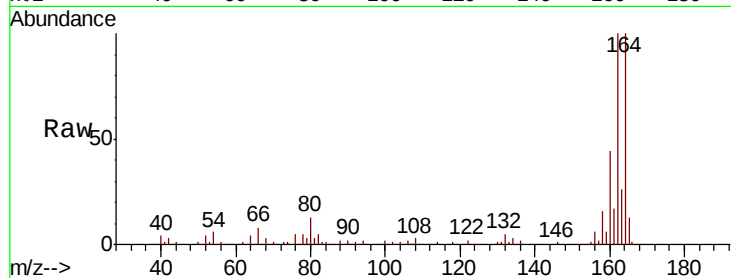




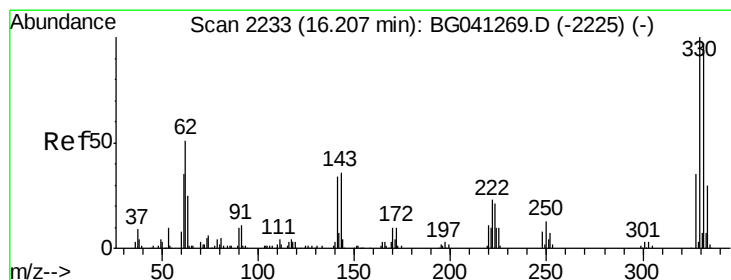
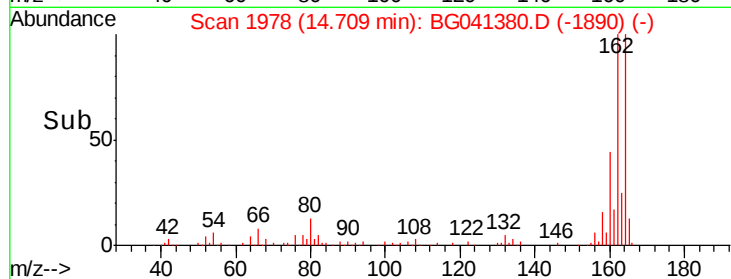
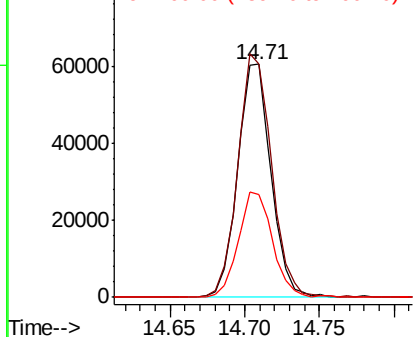
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_N
ClientSampleId :
TP-1-MHDL

Tgt Ion:164 Resp: 93443
Ion Ratio Lower Upper
164 100
162 100.2 82.8 124.2
160 44.4 35.8 53.8

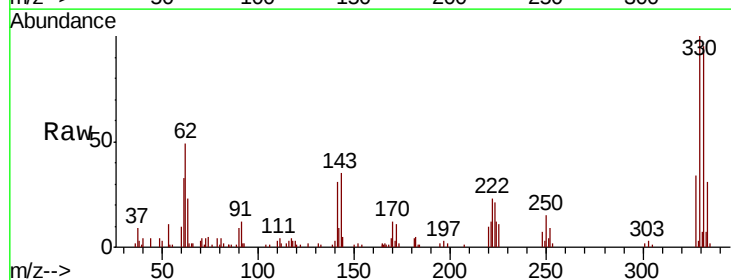


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

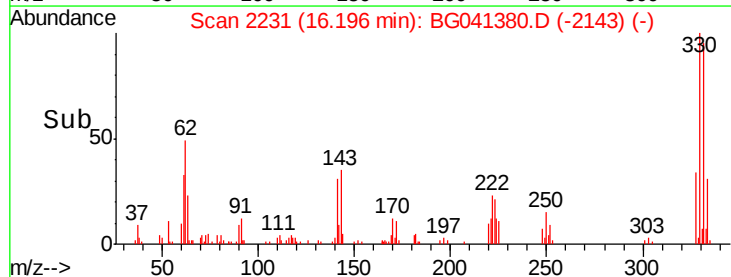
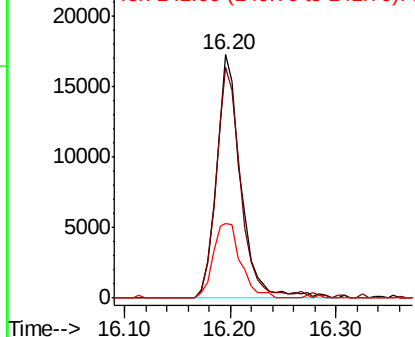


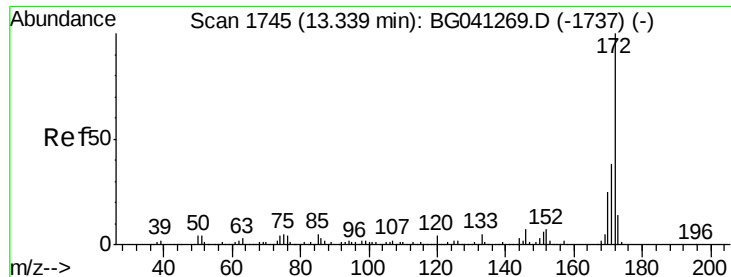
#42
2,4,6-Tribromophenol
Concen: 19.292 ng
RT: 16.20 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion:330 Resp: 27675
Ion Ratio Lower Upper
330 100
332 94.7 75.5 113.3
141 34.7 29.0 43.4



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

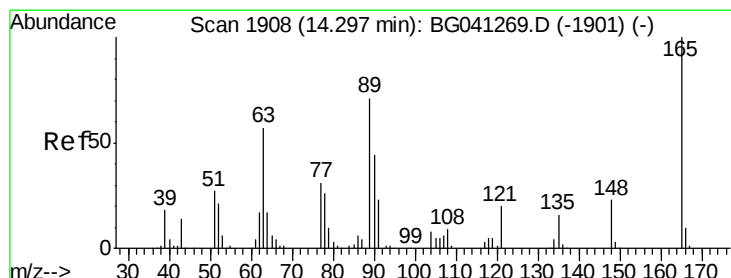
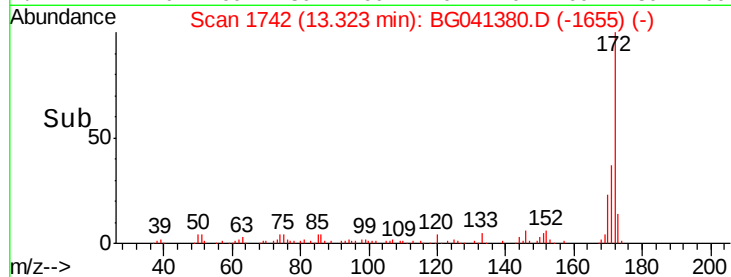
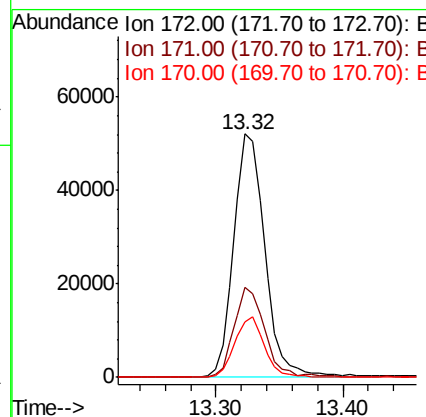
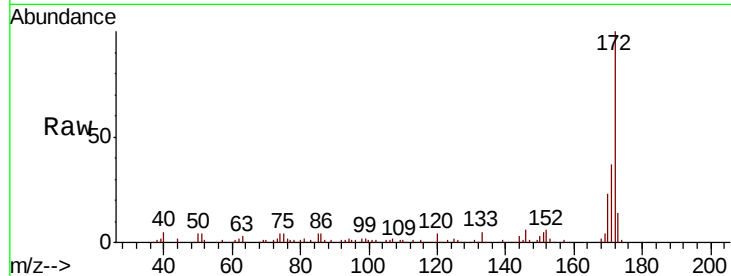




#45
 2-Fluorobiphenyl
 Concen: 12.902 ng
 RT: 13.32 min Scan# 1742
 Delta R.T. -0.02 min
 Lab File: BG041380.D
 Acq: 21 Jun 2019 15:57

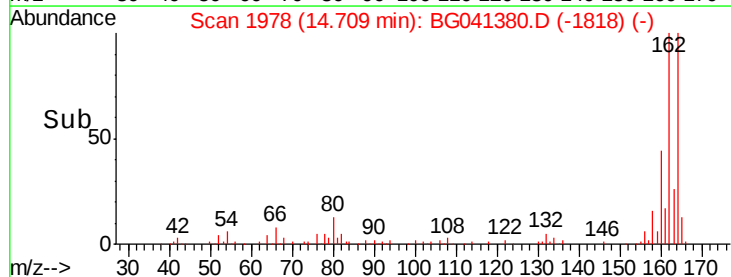
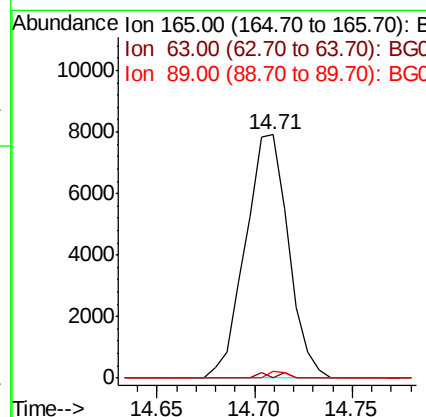
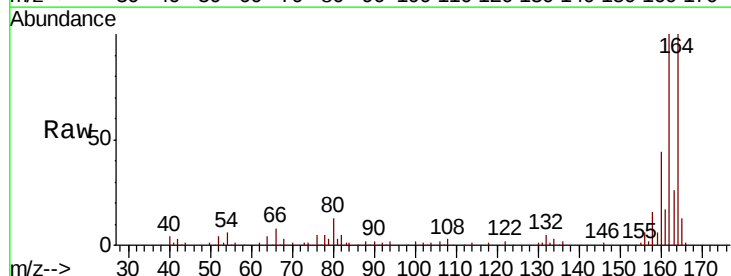
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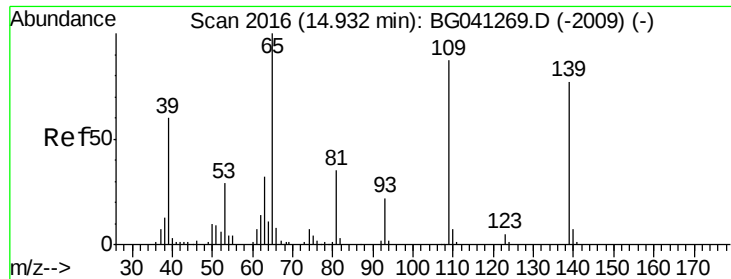
Tgt Ion:172 Resp: 88702
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 22.8 19.8 29.6



#51
 2,6-Dinitrotoluene
 Concen: 6.903 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. 0.41 min
 Lab File: BG041380.D
 Acq: 21 Jun 2019 15:57

Tgt Ion:165 Resp: 12102
 Ion Ratio Lower Upper
 165 100
 63 0.0 55.4 83.0#
 89 2.9 56.5 84.7#

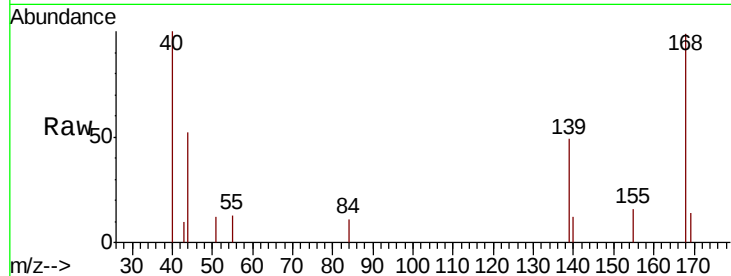




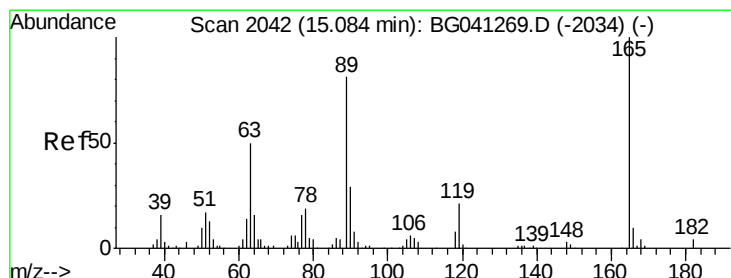
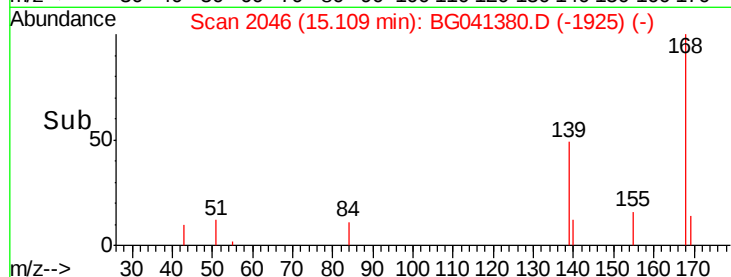
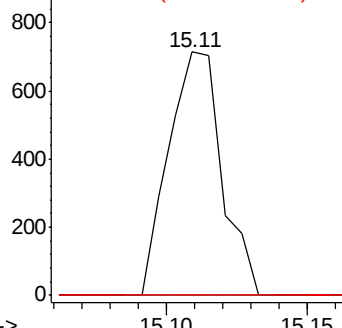
#56
4-Nitrophenol
Concen: 3.899 ng
RT: 15.11 min Scan# 2046
Delta R.T. 0.18 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_N
ClientSampleId :
TP-1-MHDL

Tgt Ion:139 Resp: 934
Ion Ratio Lower Upper
139 100
109 0.0 93.2 133.2#
65 0.0 110.2 150.2#

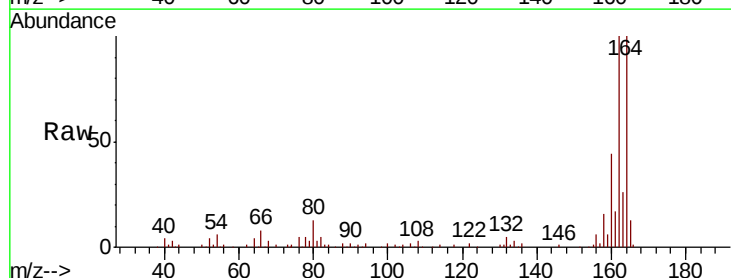


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

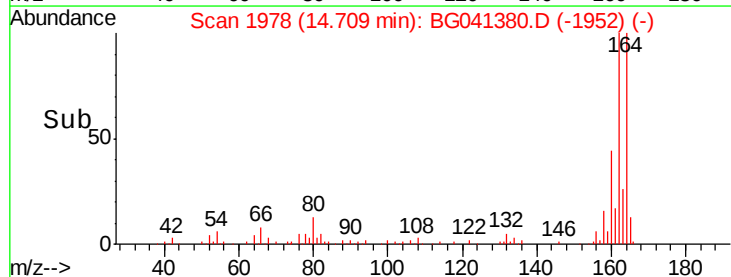
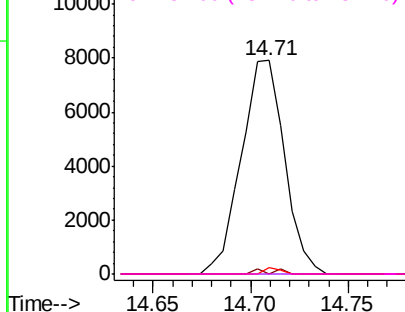


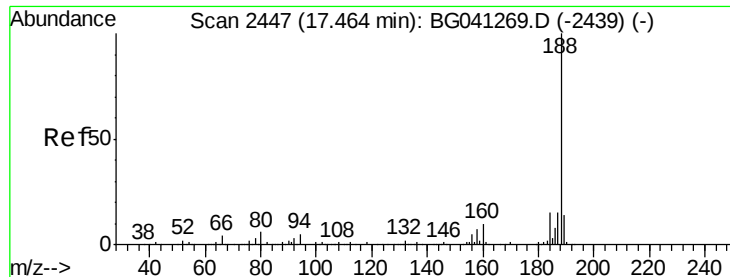
#57
2,4-Dinitrotoluene
Concen: 4.722 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.37 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion:165 Resp: 12102
Ion Ratio Lower Upper
165 100
63 0.0 40.0 60.0#
89 2.9 64.6 96.8#
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

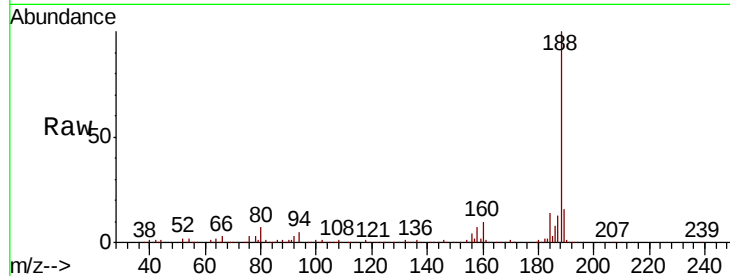




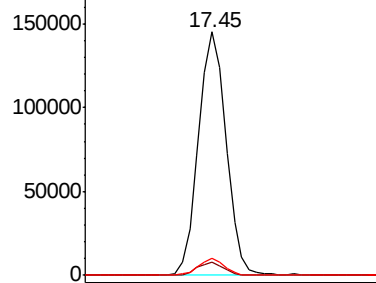
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Instrument :
BNA_N
ClientSampleId :
TP-1-MHDL

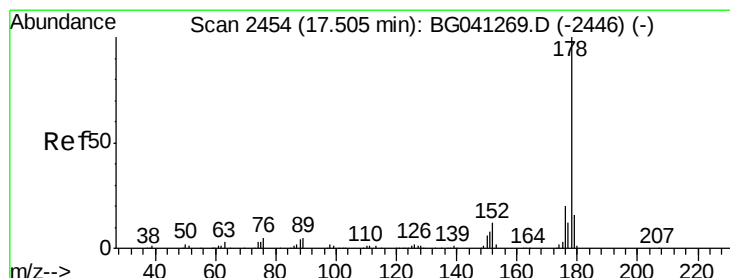
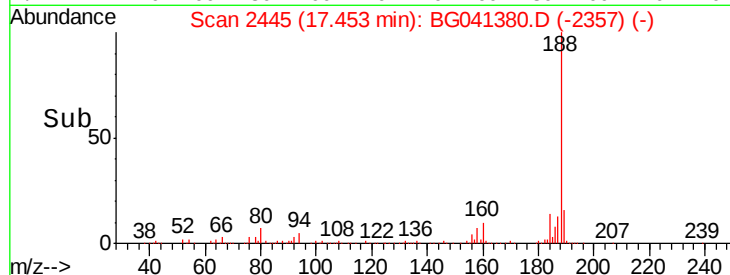
Tgt Ion:188 Resp: 219666
Ion Ratio Lower Upper
188 100
94 5.4 3.6 5.4
80 7.1 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

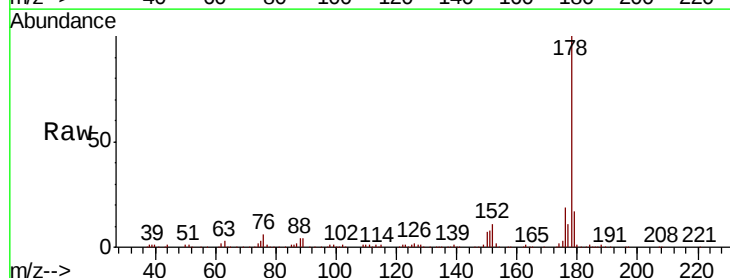


Time-->

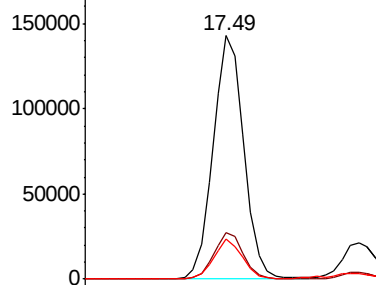


#71
Phenanthrene
Concen: 18.491 ng
RT: 17.49 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

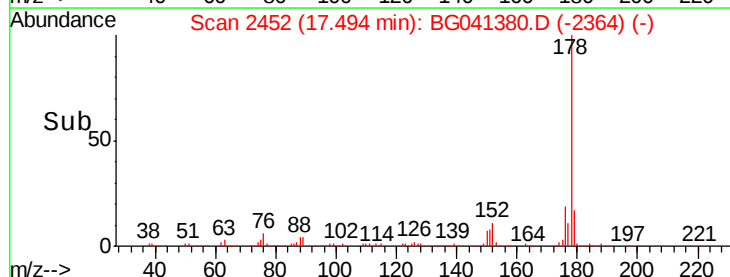
Tgt Ion:178 Resp: 216631
Ion Ratio Lower Upper
178 100
176 18.9 16.1 24.1
179 16.6 12.9 19.3

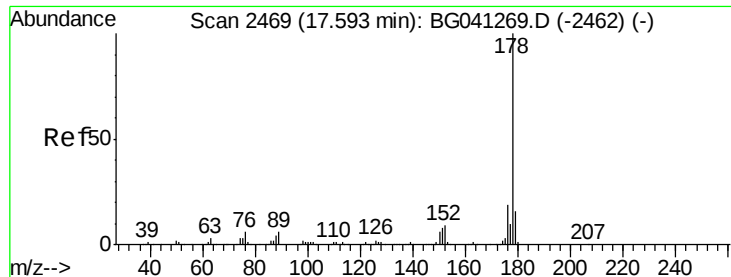


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Anthracene

Concen: 2.983 ng

RT: 17.59 min Scan# 2468

Delta R.T. -0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_N

ClientSampleId :

TP-1-MHDL

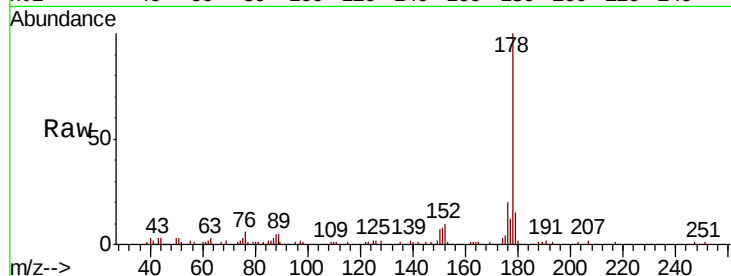
Tgt Ion:178 Resp: 34450

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

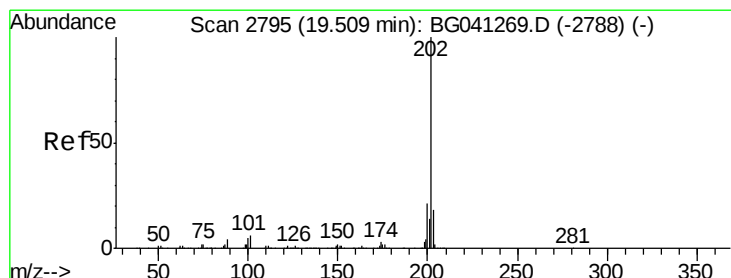
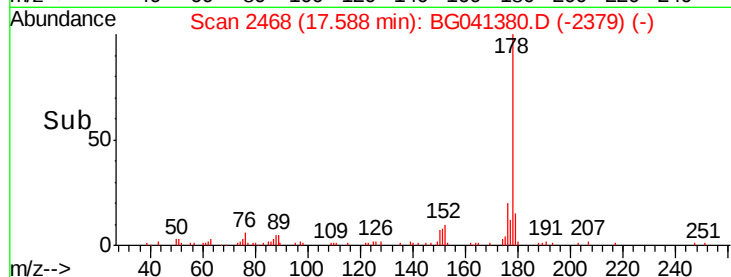
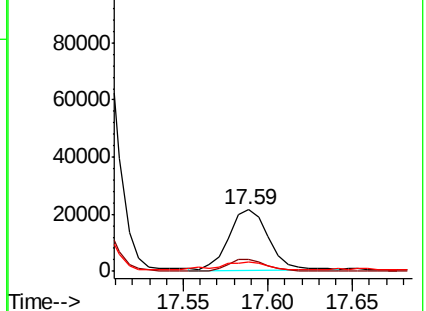
179 15.0 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 40.641 ng

RT: 19.50 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

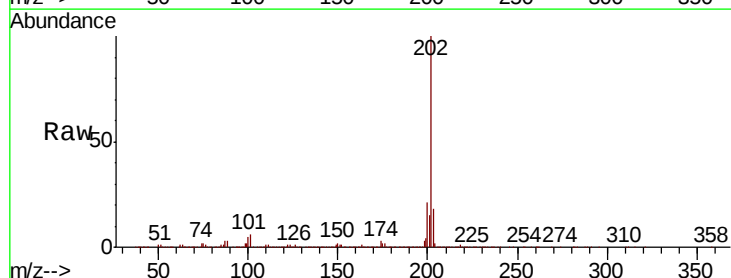
Tgt Ion:202 Resp: 632549

Ion Ratio Lower Upper

202 100

101 5.9 0.0 26.0

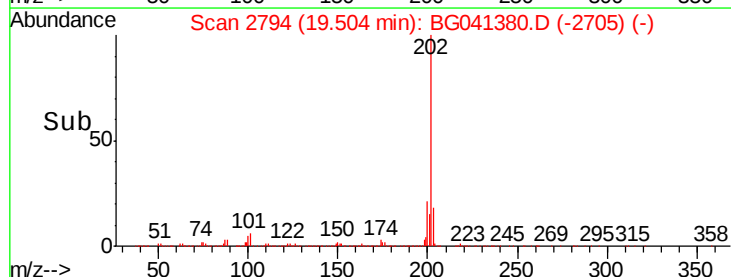
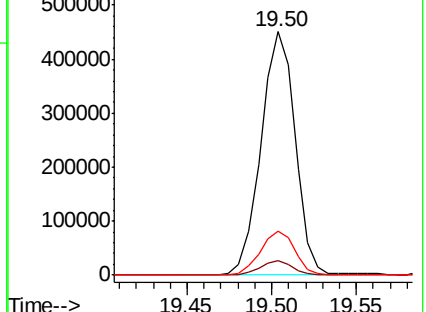
203 18.2 0.0 37.7

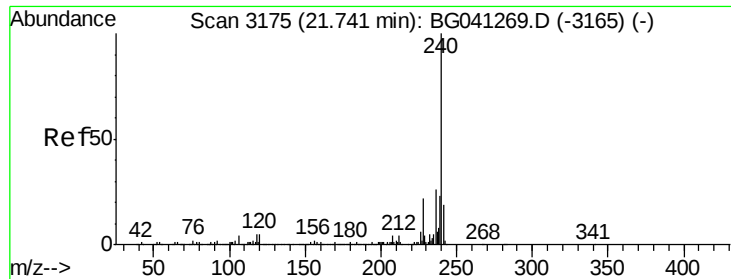


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

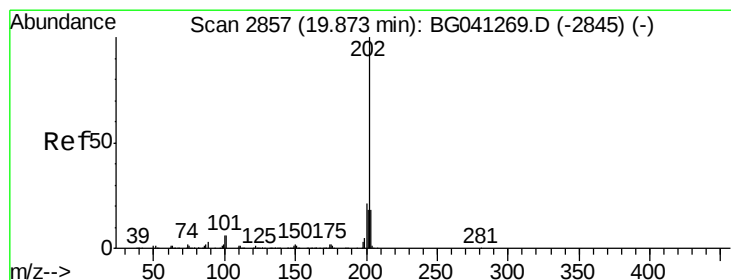
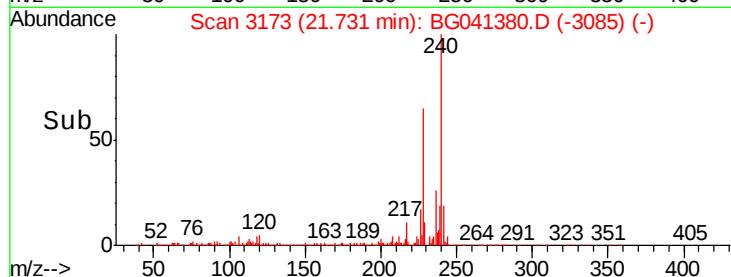
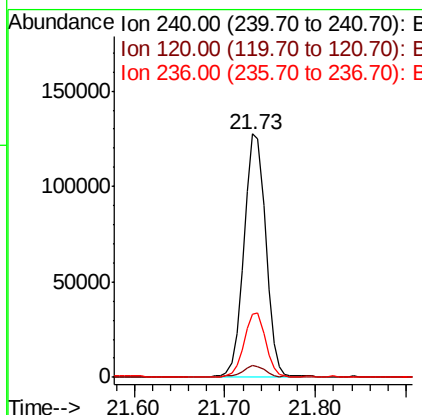
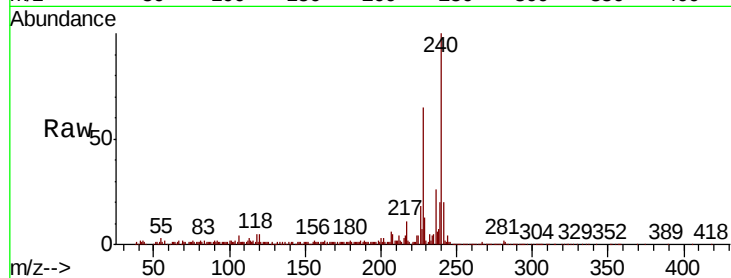




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

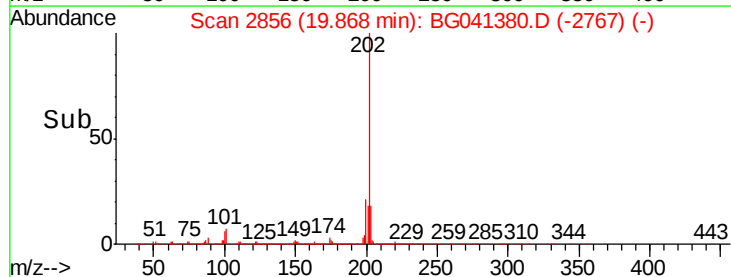
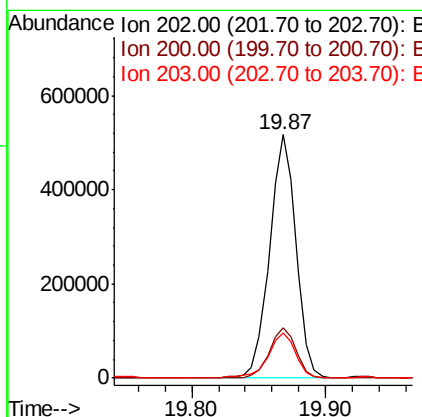
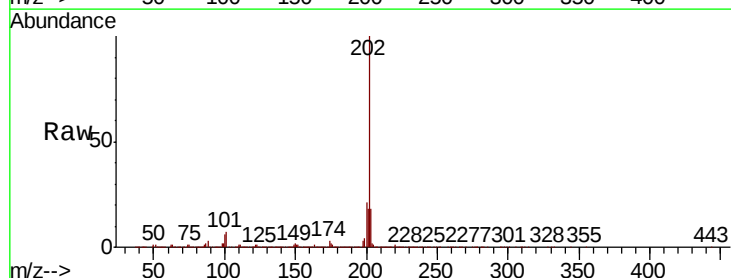
Instrument :
BNA_N
ClientSampleId :
TP-1-MHDL

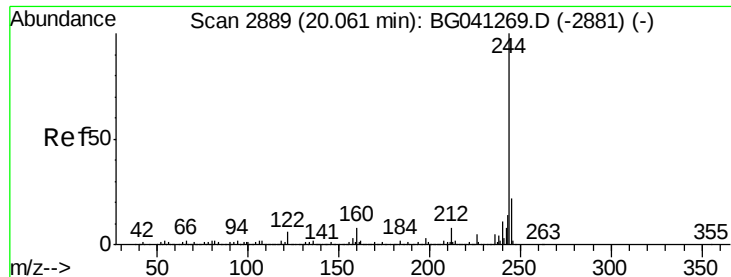
Tgt Ion: 240 Resp: 212122
Ion Ratio Lower Upper
240 100
120 4.8 3.7 5.5
236 26.1 21.1 31.7



#78
Pyrene
Concen: 49.695 ng
RT: 19.87 min Scan# 2856
Delta R.T. -0.00 min
Lab File: BG041380.D
Acq: 21 Jun 2019 15:57

Tgt Ion: 202 Resp: 710923
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 18.4 14.6 21.8





#79

Terphenyl-d14

Concen: 11.789 ng

RT: 20.05 min Scan# 2887

Delta R.T. -0.01 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_N

ClientSampleId :

TP-1-MHDL

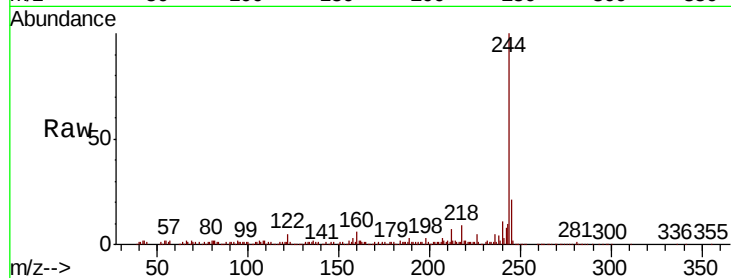
Tgt Ion:244 Resp: 126185

Ion Ratio Lower Upper

244 100

212 7.0 6.6 10.0

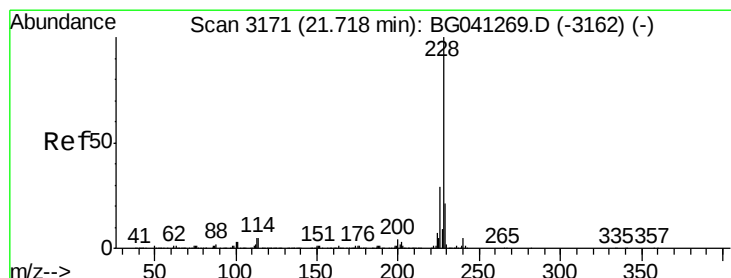
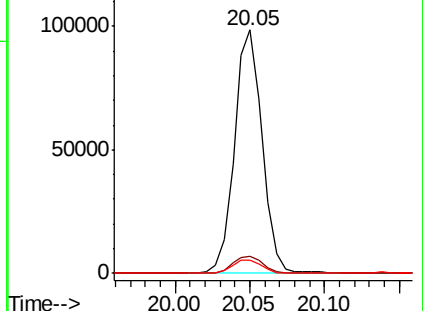
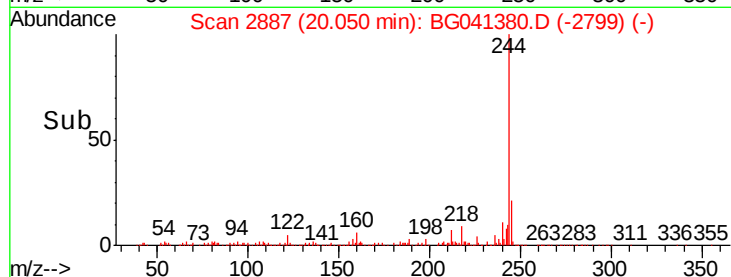
122 5.2 5.0 7.4



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



#81

Benzo(a)anthracene

Concen: 35.181 ng

RT: 21.71 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

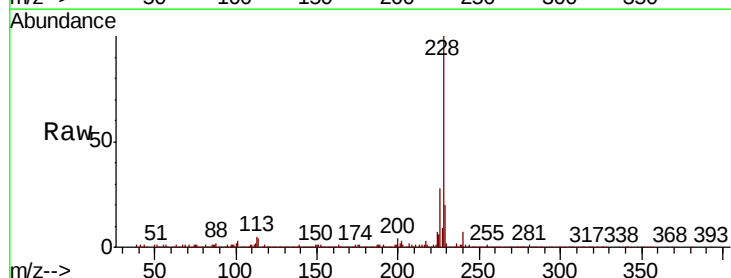
Tgt Ion:228 Resp: 505293

Ion Ratio Lower Upper

228 100

226 28.1 23.2 34.8

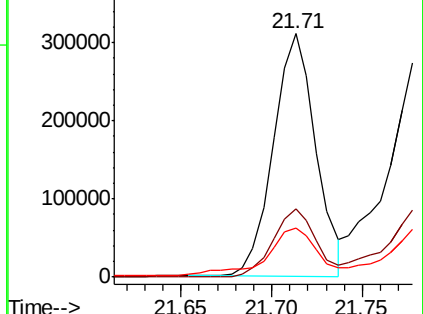
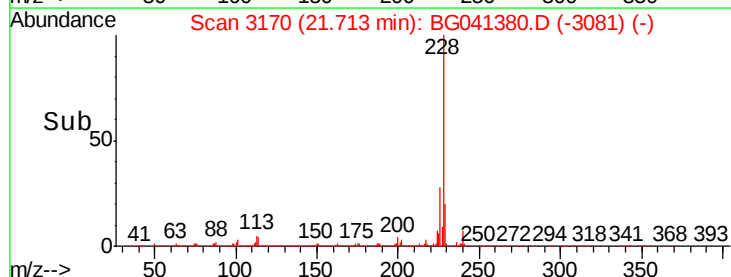
229 19.9 16.8 25.2

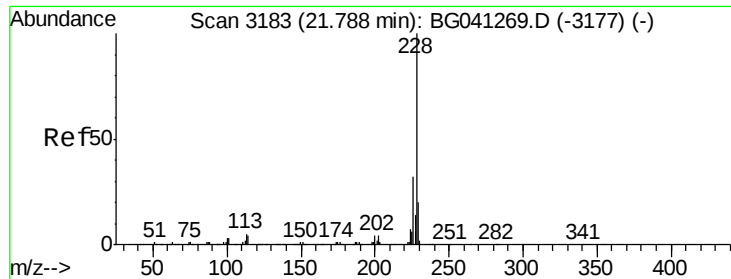


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 39.899 ng

RT: 21.78 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_N

ClientSampleId :

TP-1-MHDL

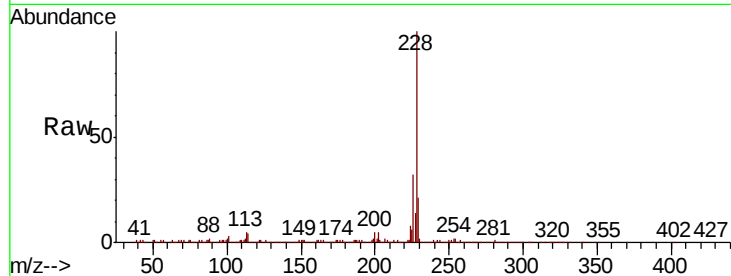
Tgt Ion:228 Resp: 551097

Ion Ratio Lower Upper

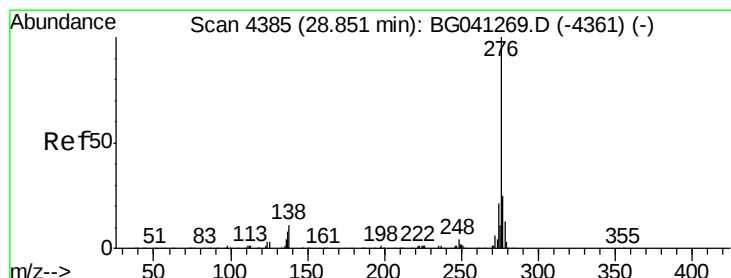
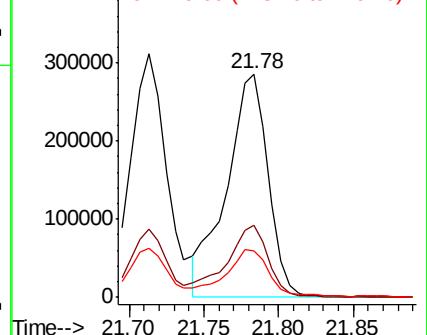
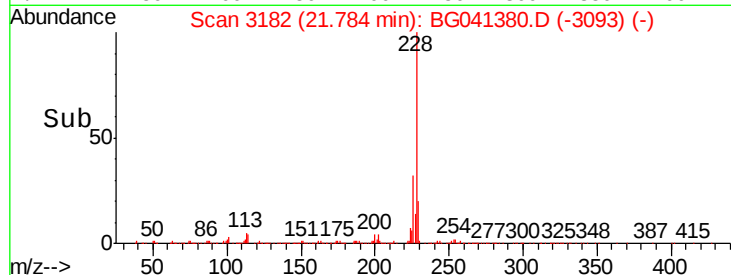
228 100

226 32.1 25.4 38.0

229 21.0 16.2 24.2



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 19.035 ng

RT: 28.85 min Scan# 4385

Delta R.T. 0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

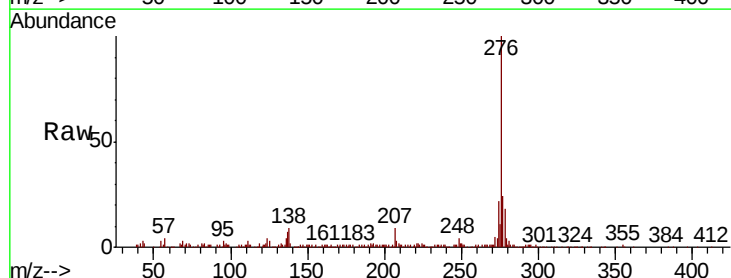
Tgt Ion:276 Resp: 311923

Ion Ratio Lower Upper

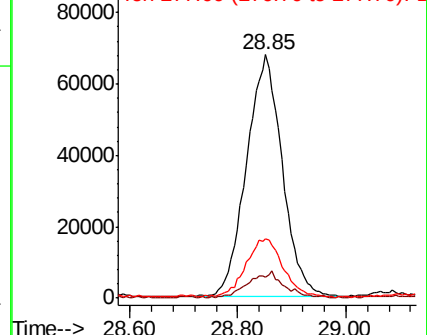
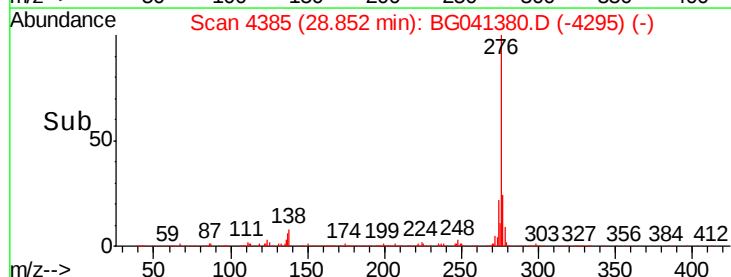
276 100

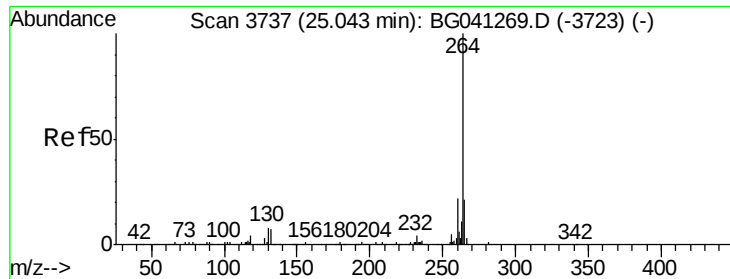
138 11.2 7.7 11.5

277 25.1 20.6 31.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3737

Delta R.T. 0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_N

ClientSampleId :

TP-1-MHDL

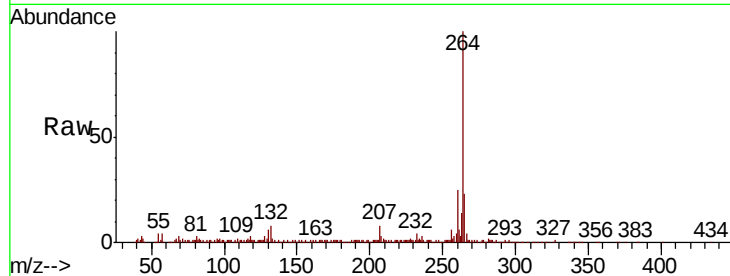
Tgt Ion:264 Resp: 234800

Ion Ratio Lower Upper

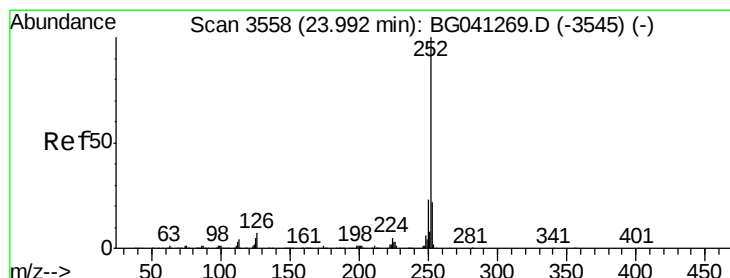
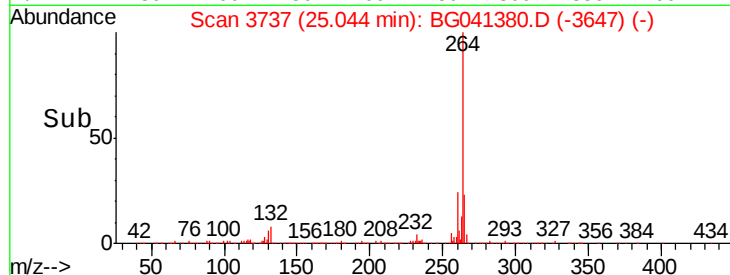
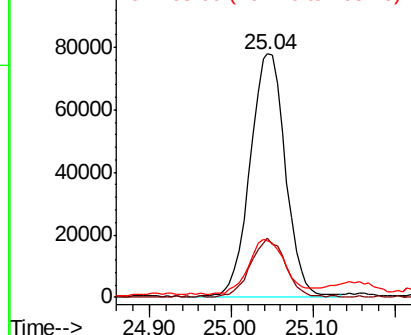
264 100

260 24.5 17.4 26.2

265 23.2 17.2 25.8



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: 44.289 ng

RT: 23.99 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

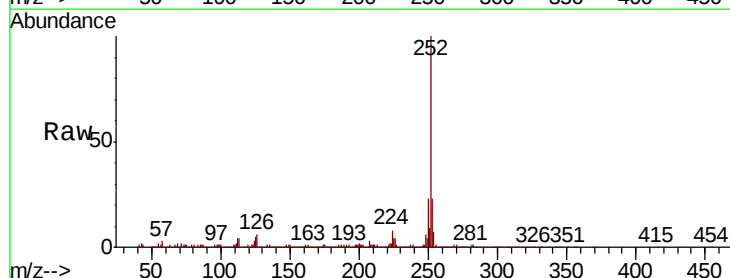
Tgt Ion:252 Resp: 644467

Ion Ratio Lower Upper

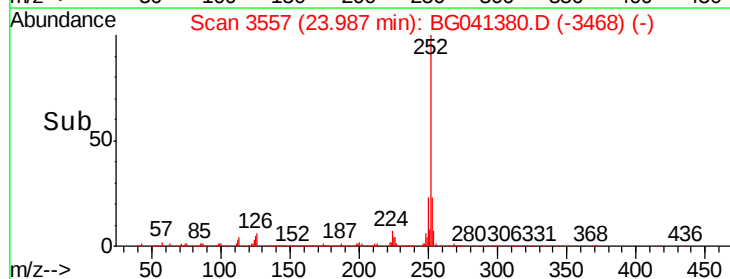
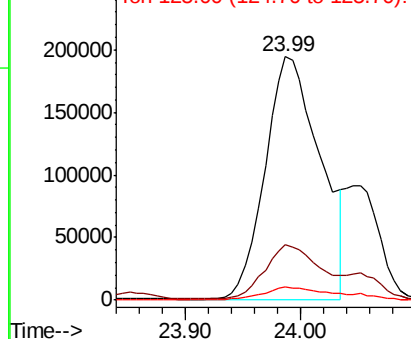
252 100

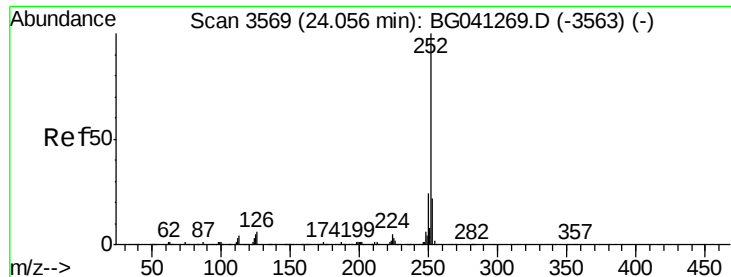
253 23.0 17.4 26.0

125 5.3 3.9 5.9



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: 44.708 ng

RT: 23.99 min Scan# 3557

Delta R.T. -0.07 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_N

ClientSampleId :

TP-1-MHDL

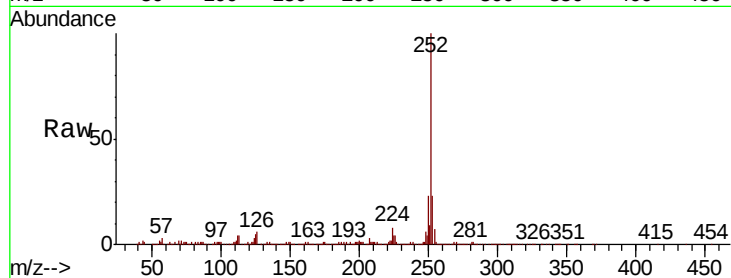
Tgt Ion:252 Resp: 644467

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

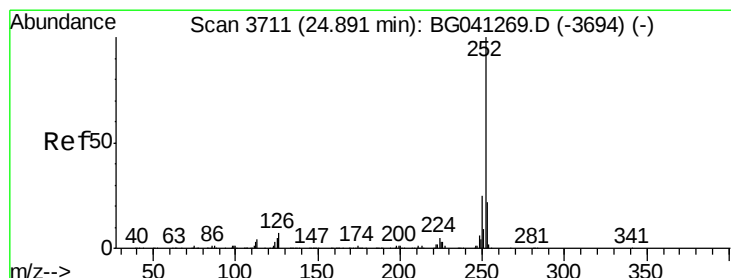
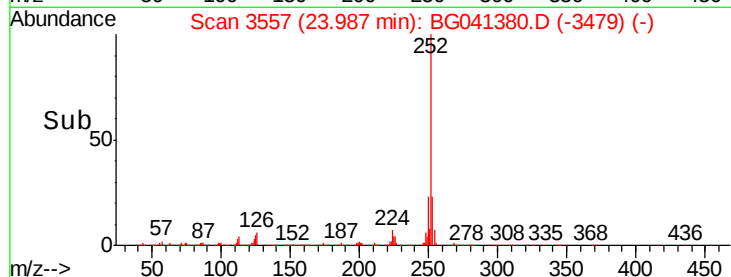
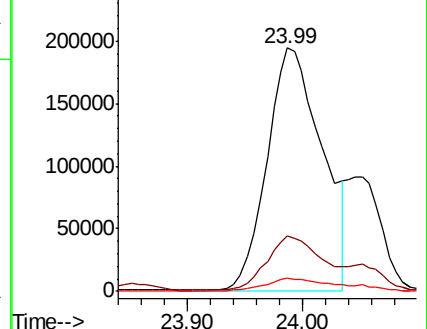
125 5.3 4.3 6.5



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



#90

Benzo(a)pyrene

Concen: 29.752 ng

RT: 24.89 min Scan# 3711

Delta R.T. 0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

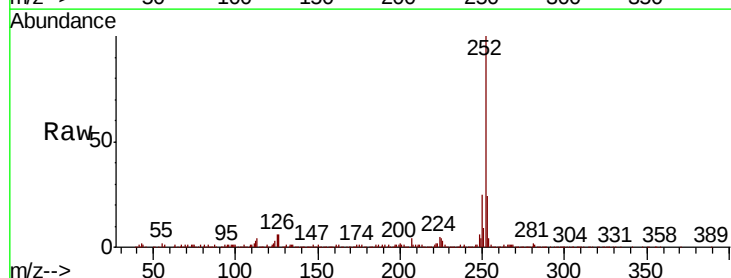
Tgt Ion:252 Resp: 408874

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

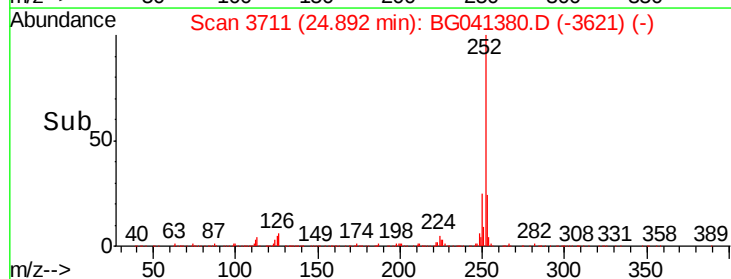
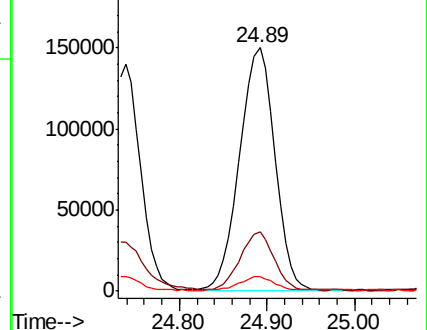
125 5.8 4.2 6.4

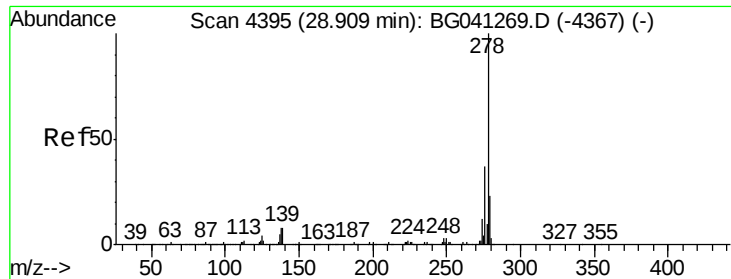


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 6.706 ng

RT: 28.90 min Scan# 4393

Delta R.T. -0.01 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

Instrument :

BNA_N

ClientSampleId :

TP-1-MHDL

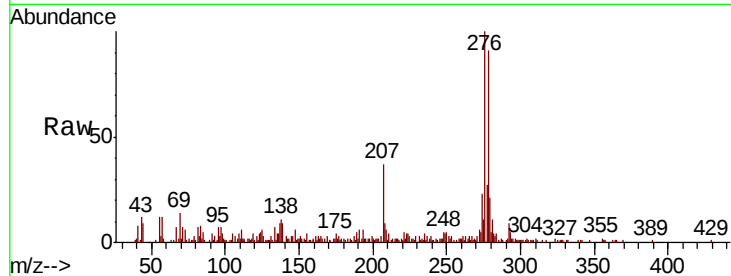
Tgt Ion: 278 Resp: 92774

Ion Ratio Lower Upper

278 100

139 9.4 6.6 10.0

279 22.8 18.5 27.7

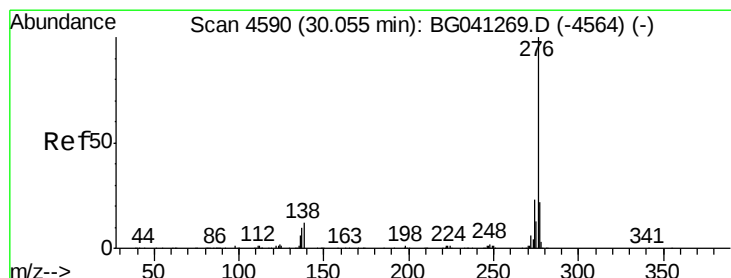
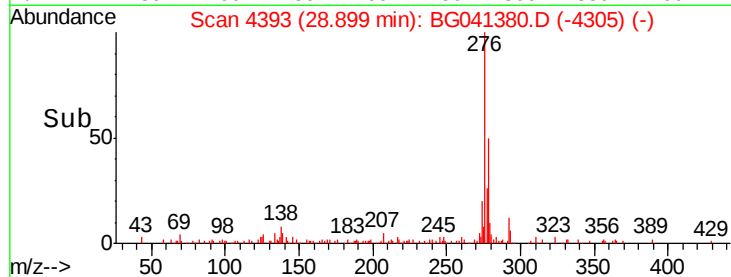
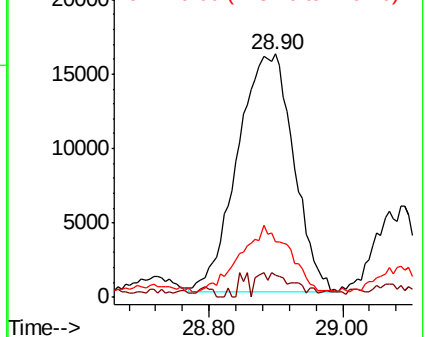


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 24.253 ng

RT: 30.06 min Scan# 4590

Delta R.T. 0.00 min

Lab File: BG041380.D

Acq: 21 Jun 2019 15:57

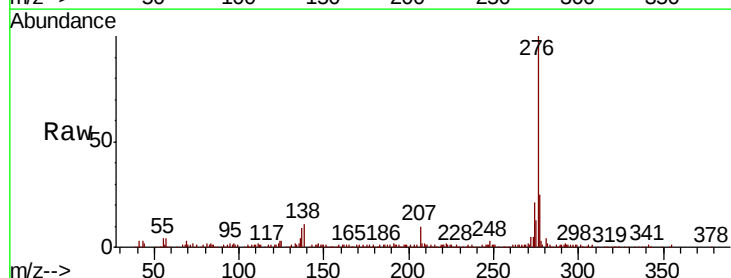
Tgt Ion: 276 Resp: 331610

Ion Ratio Lower Upper

276 100

277 25.1 17.9 26.9

138 11.3 9.4 14.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

