

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
 Data File : BG040909.D
 Acq On : 12 May 2019 14:47
 Operator : HP/JU
 Sample : K2766-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS007-0612-01

Quant Time: May 13 03:55:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	54344	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	226395	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	170298	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	426518	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	431994	20.00	ng	-0.04
87) Perylene-d12	25.14	264	470419	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	407544	132.20	ng	-0.02
7) Phenol-d6	7.28	99	621270	130.88	ng	-0.02
23) Nitrobenzene-d5	9.31	82	424245	86.59	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	326193	139.35	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	852094	72.26	ng	-0.03
79) Terphenyl-d14	20.10	244	1332589	68.34	ng	-0.03

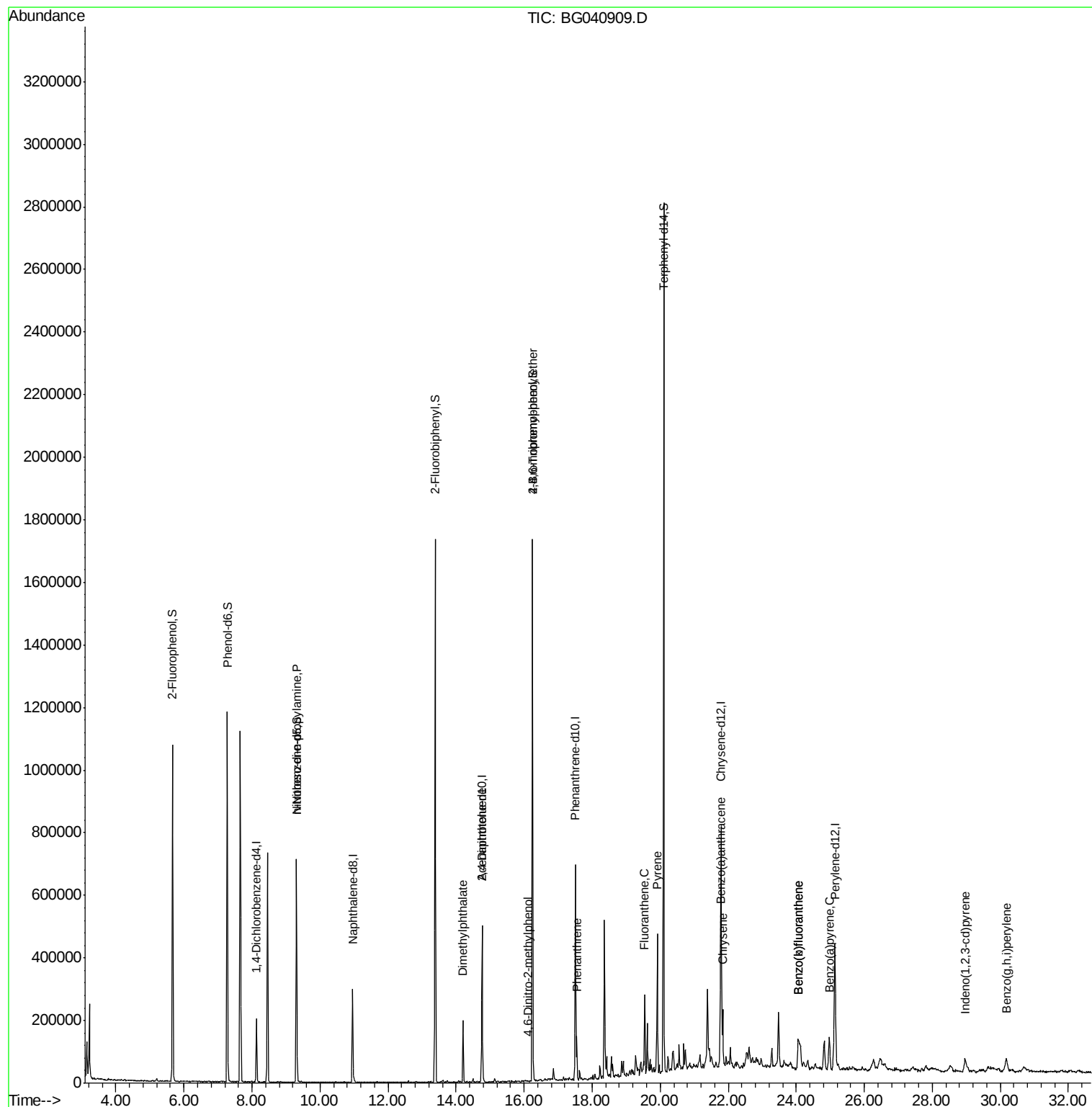
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.27	77	1485	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.31	70	62107	14.535	ng	# 73
50) Dimethylphthalate	14.20	163	123031	8.635	ng	99
57) 2,4-Dinitrotoluene	14.76	165	23840	6.309	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.11	198	80	7.134	ng	# 28
67) 4-Bromophenyl-phenylether	16.25	248	24760	4.660	ng	# 1
71) Phenanthrene	17.55	178	82980	3.612	ng	96
75) Fluoranthene	19.55	202	162322	5.670	ng	95
78) Pyrene	19.92	202	297163	10.975	ng	97
81) Benzo(a)anthracene	21.77	228	115063	4.214	ng	97
83) Chrysene	21.83	228	136986	5.276	ng	98
86) Indeno(1,2,3-cd)pyrene	28.96	276	74137	2.362	ng	# 82
88) Benzo(b)fluoranthene	24.06	252	139218	4.843	ng	97
89) Benzo(k)fluoranthene	24.06	252	139218	5.186	ng	97
90) Benzo(a)pyrene	24.97	252	99210	3.646	ng	97
92) Benzo(g,h,i)perylene	30.19	276	90013	3.284	ng	93

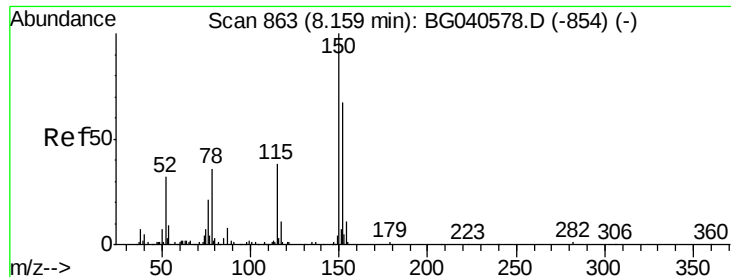
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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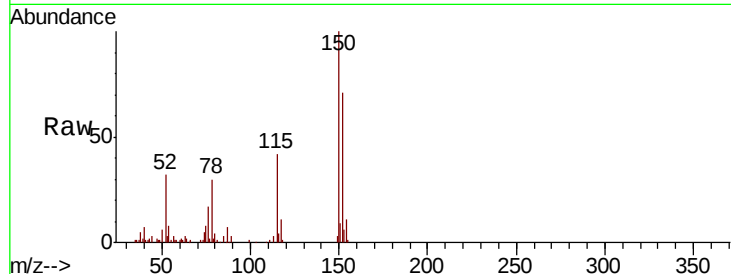


#1

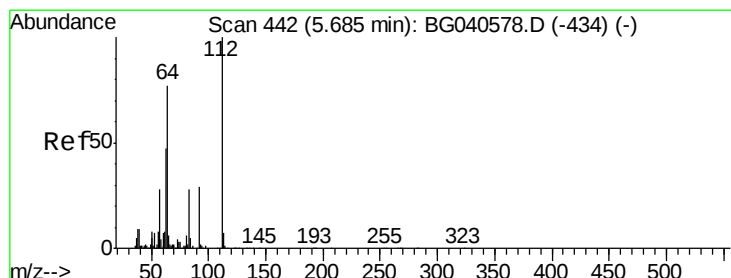
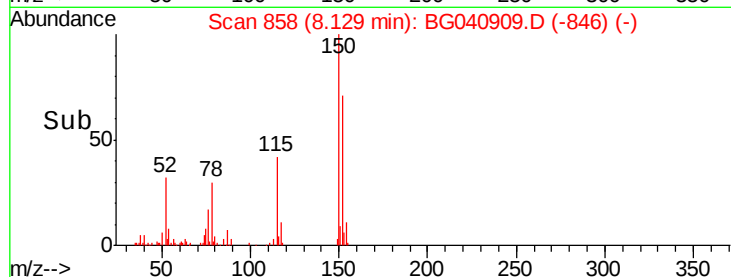
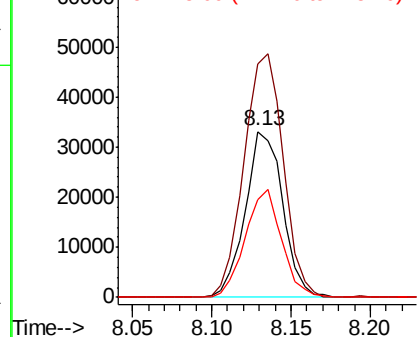
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: BG040909.D
Acq: 12 May 2019 14:47

Instrument :
BNA_G
ClientSampleId :
P026-SS007-0612-01

Tgt Ion:152 Resp: 54344
Ion Ratio Lower Upper
152 100
150 141.1 120.2 180.2
115 59.1 46.2 69.2



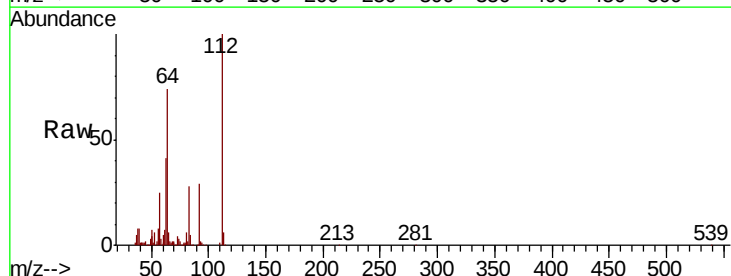
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



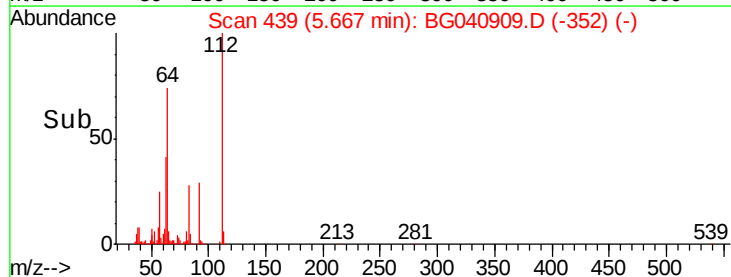
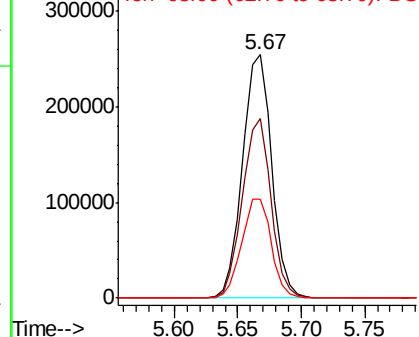
#5

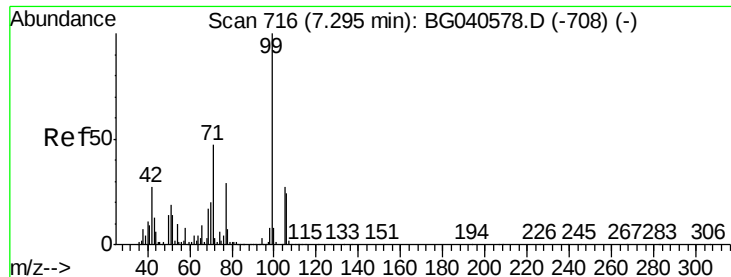
2-Fluorophenol
Concen: 132.196 ng
RT: 5.67 min Scan# 439
Delta R.T. -0.02 min
Lab File: BG040909.D
Acq: 12 May 2019 14:47

Tgt Ion:112 Resp: 407544
Ion Ratio Lower Upper
112 100
64 73.6 61.4 92.0
63 40.9 37.8 56.6



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: 130.883 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

Instrument :

BNA_G

ClientSampleId :

P026-SS007-0612-01

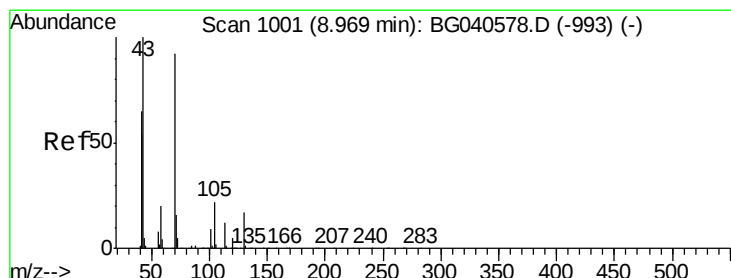
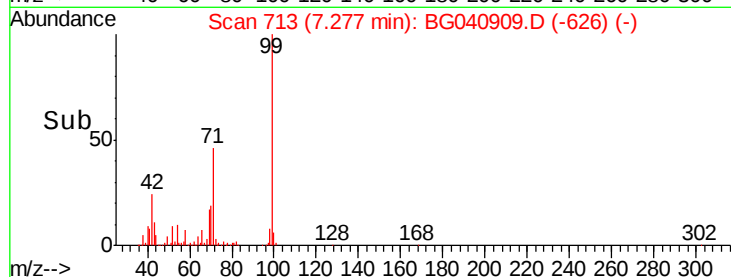
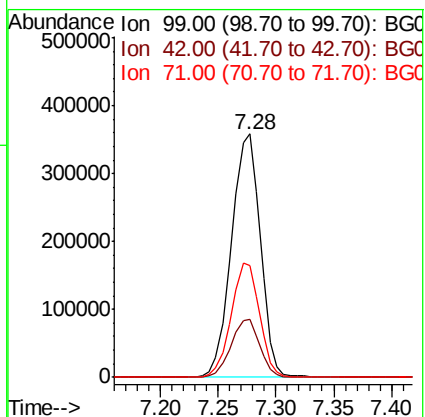
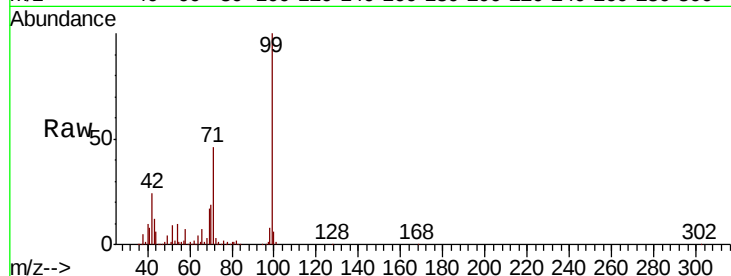
Tgt Ion: 99 Resp: 621270

Ion Ratio Lower Upper

99 100

42 23.8 21.8 32.8

71 45.7 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 14.535 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

Tgt Ion: 70 Resp: 62107

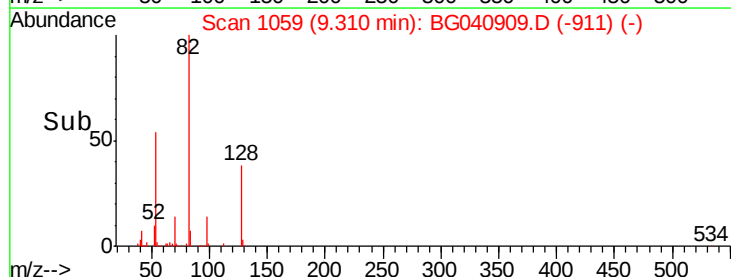
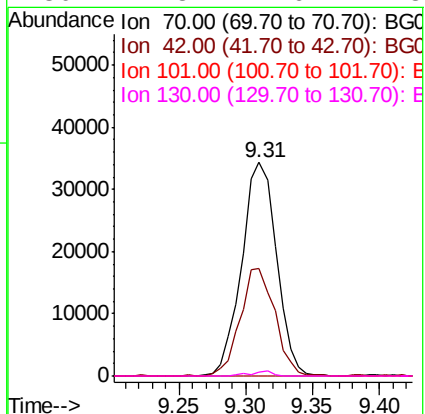
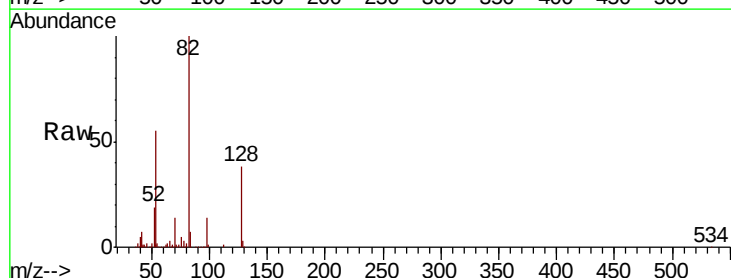
Ion Ratio Lower Upper

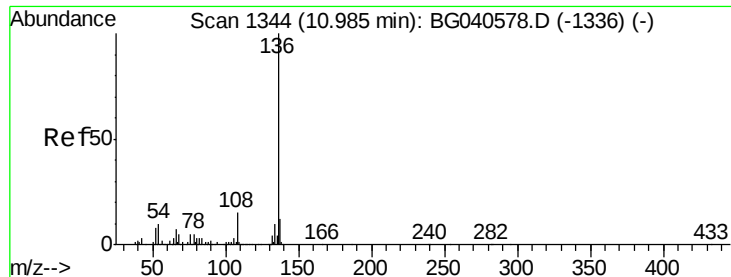
70 100

42 50.5 57.1 85.7#

101 0.0 7.8 11.8#

130 1.8 14.6 21.8#

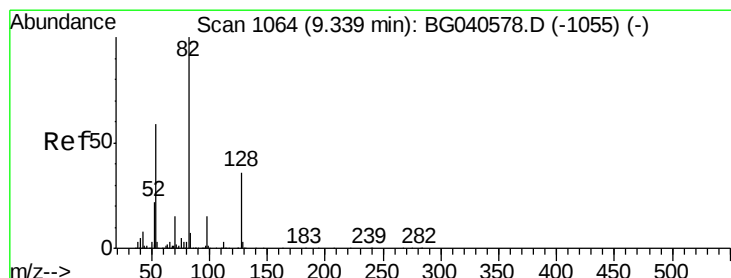
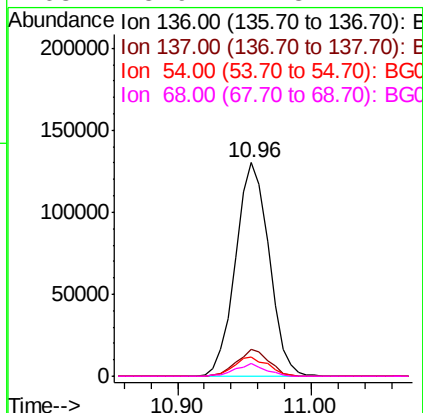
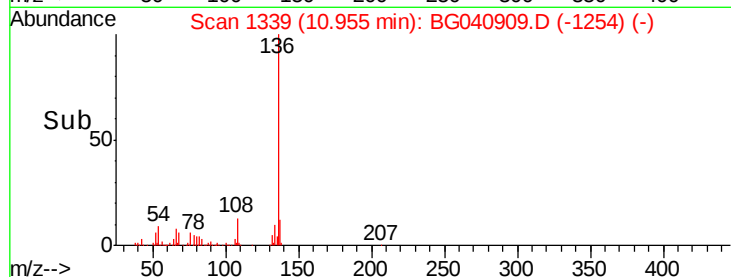
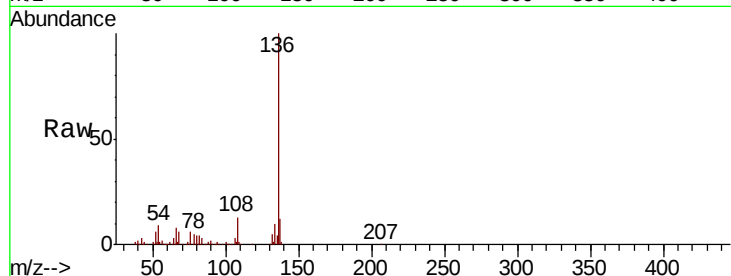




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040909.D
Acq: 12 May 2019 14:47

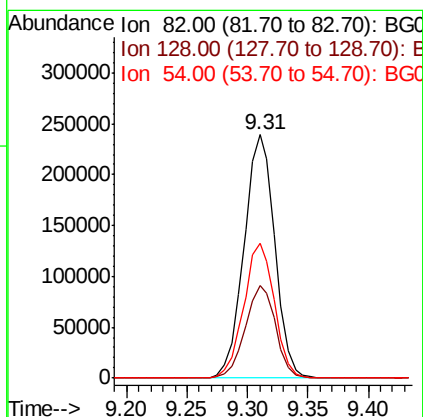
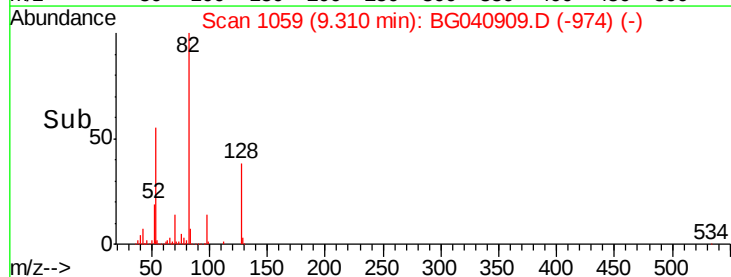
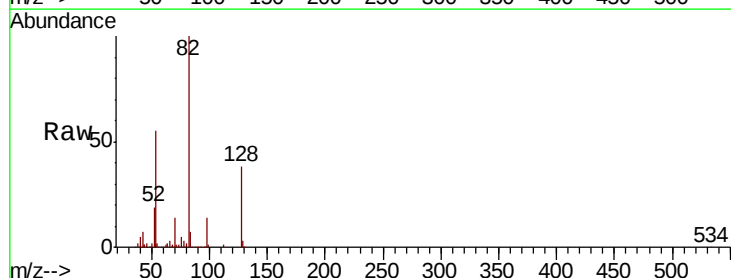
Instrument :
BNA_G
ClientSampleId :
P026-SS007-0612-01

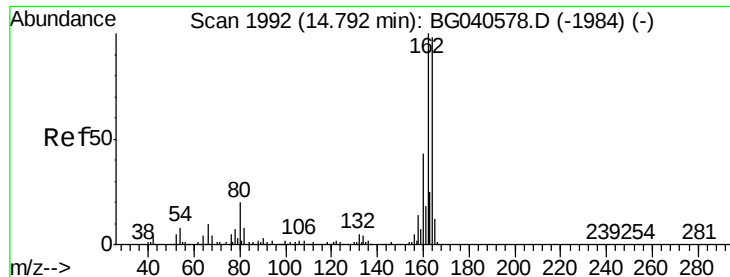
Tgt Ion:	136	Resp:	226395
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.7	14.5
54	9.1	8.6	12.8
68	5.9	4.8	7.2



#23
Nitrobenzene-d5
Concen: 86.587 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040909.D
Acq: 12 May 2019 14:47

Tgt Ion:	82	Resp:	424245
Ion	Ratio	Lower	Upper
82	100		
128	38.1	28.9	43.3
54	55.5	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

Instrument :

BNA_G

ClientSampleId :

P026-SS007-0612-01

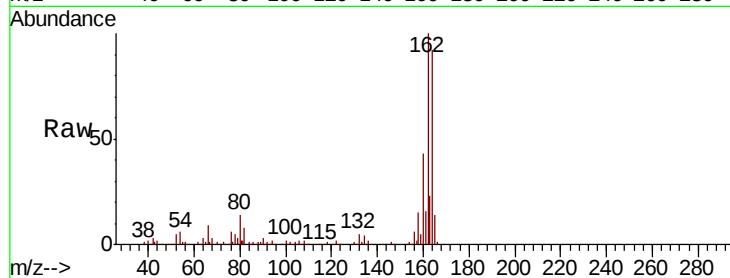
Tgt Ion:164 Resp: 170298

Ion Ratio Lower Upper

164 100

162 108.9 81.9 122.9

160 46.9 35.4 53.2

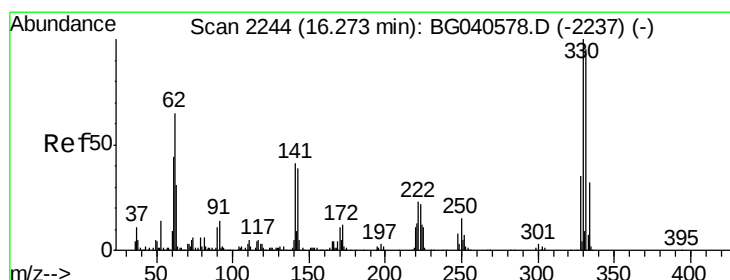
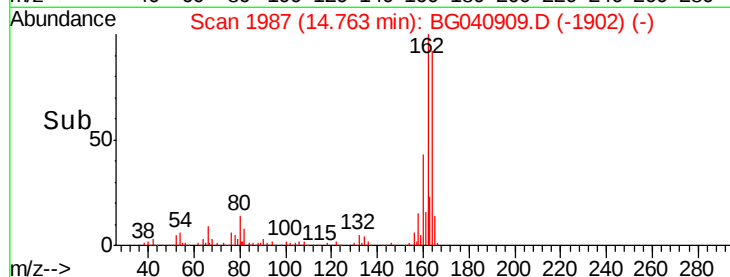
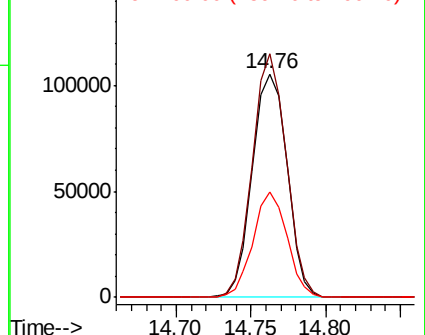


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 139.352 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

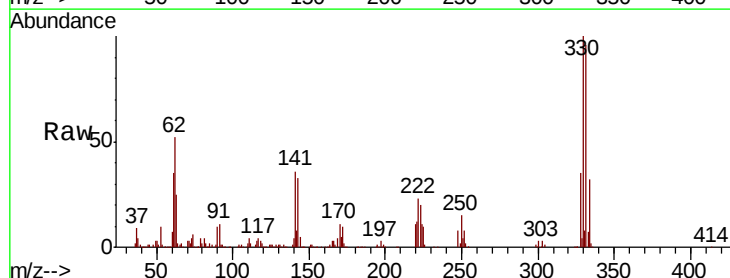
Tgt Ion:330 Resp: 326193

Ion Ratio Lower Upper

330 100

332 96.0 75.9 113.9

141 36.3 32.4 48.6

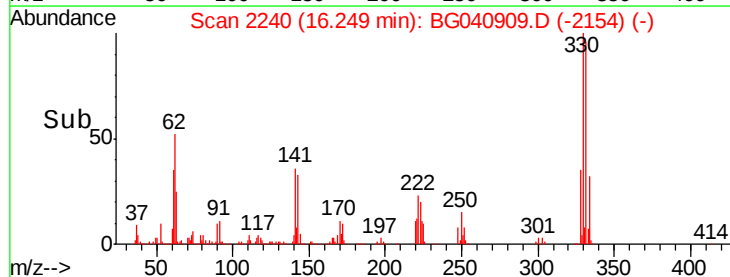
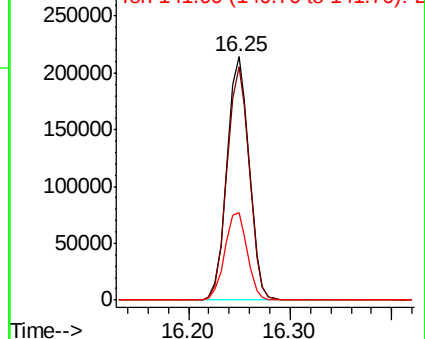


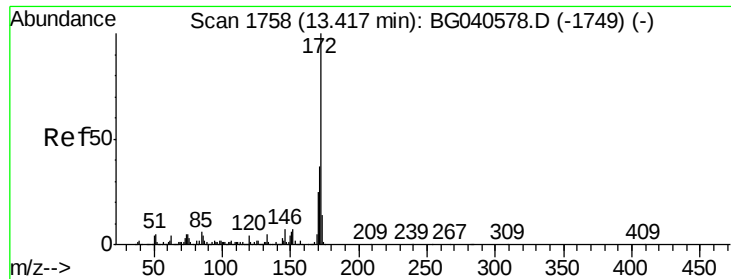
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

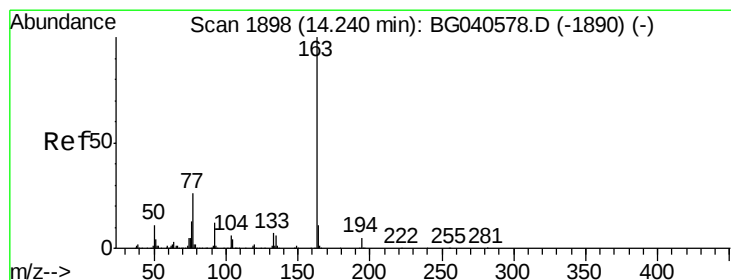
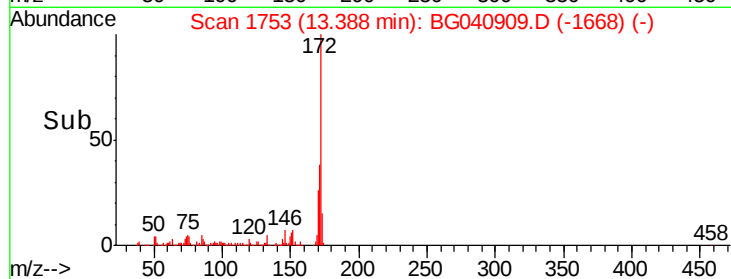
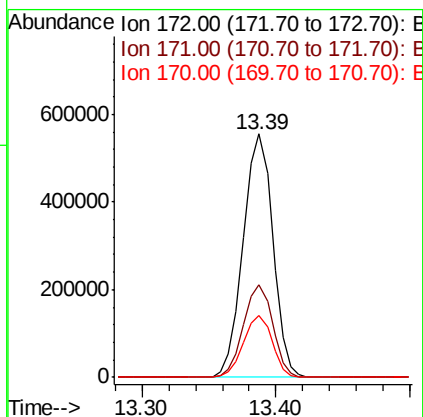
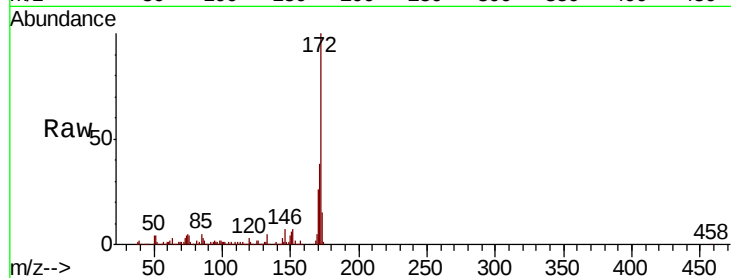




#45
 2-Fluorobiphenyl
 Concen: 72.261 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040909.D
 Acq: 12 May 2019 14:47

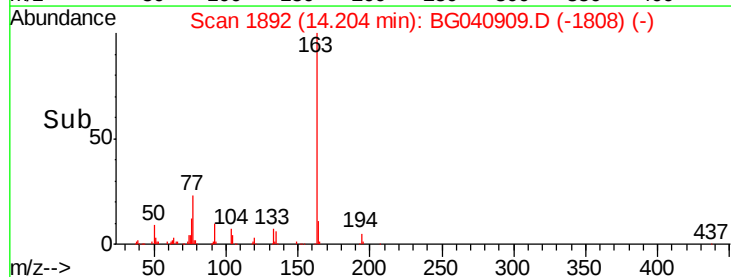
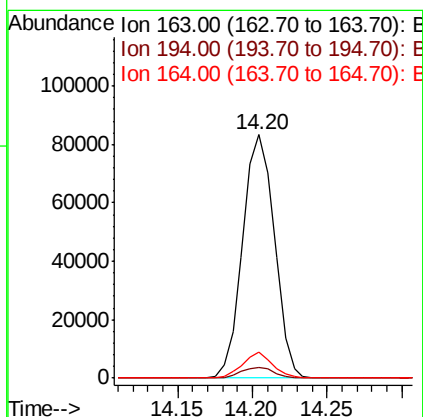
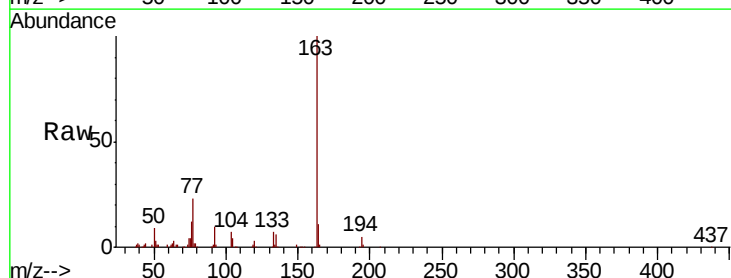
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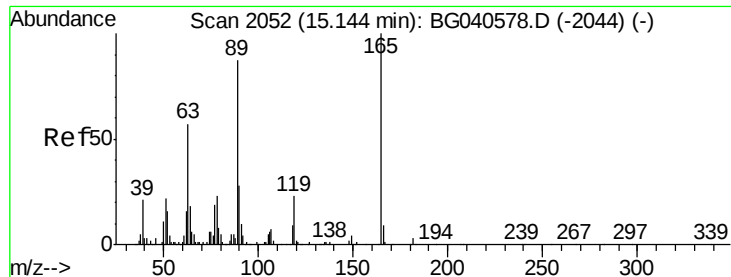
Tgt Ion:172 Resp: 852094
 Ion Ratio Lower Upper
 172 100
 171 38.0 29.4 44.2
 170 25.6 19.9 29.9



#50
 Dimethylphthalate
 Concen: 8.635 ng
 RT: 14.20 min Scan# 1892
 Delta R.T. -0.04 min
 Lab File: BG040909.D
 Acq: 12 May 2019 14:47

Tgt Ion:163 Resp: 123031
 Ion Ratio Lower Upper
 163 100
 194 4.5 3.8 5.8
 164 10.8 8.8 13.2

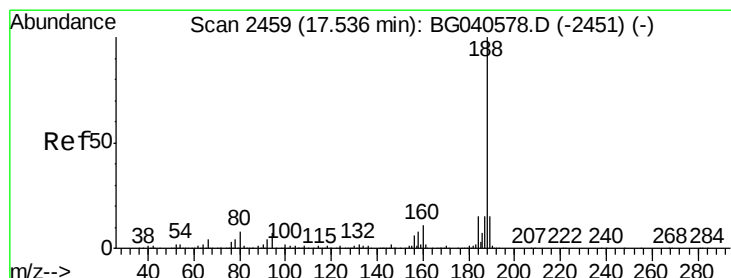
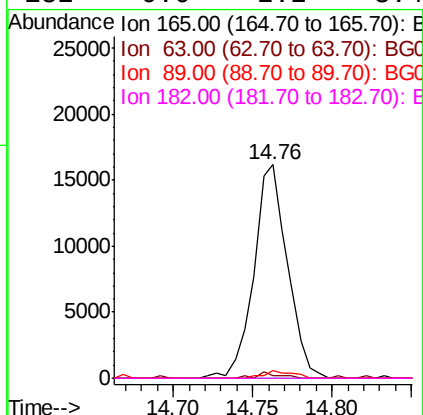
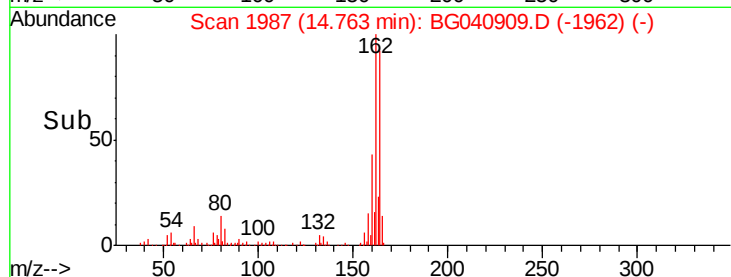
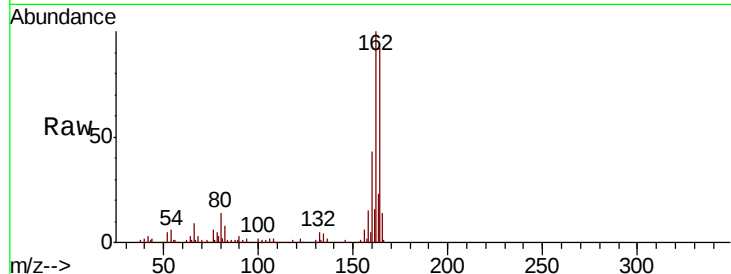




#57
 2,4-Dinitrotoluene
 Concen: 6.309 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.38 min
 Lab File: BG040909.D
 Acq: 12 May 2019 14:47

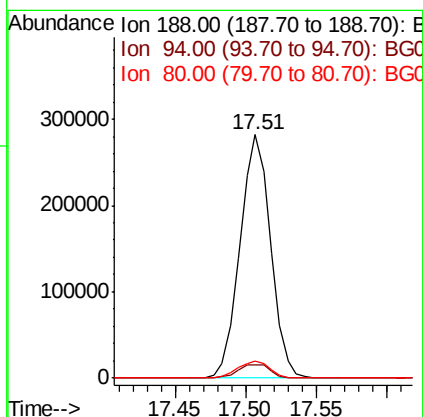
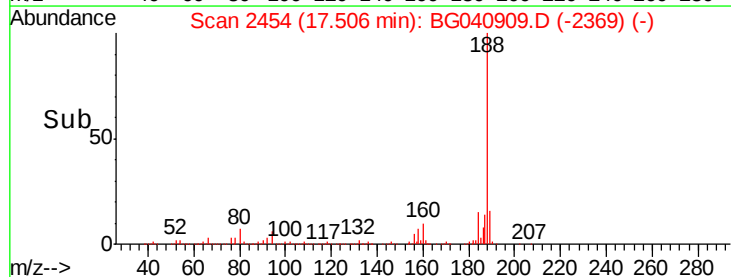
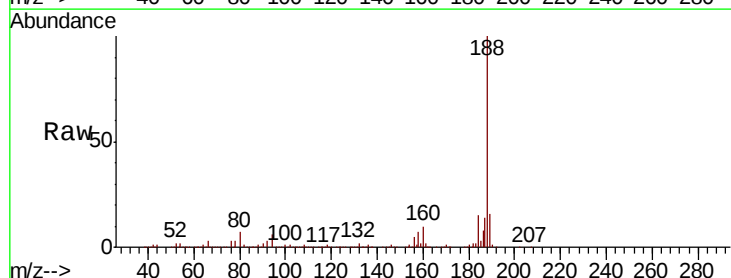
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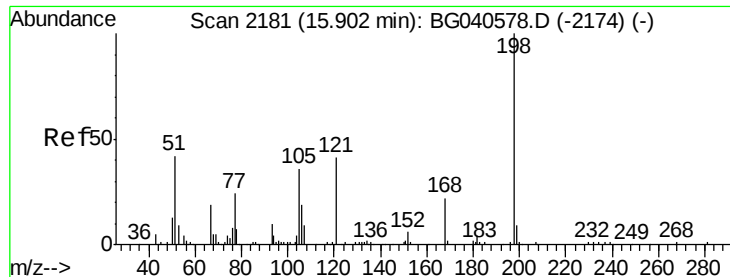
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	45.8	68.8#
89	3.7	69.4	104.2#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2454
 Delta R.T. -0.03 min
 Lab File: BG040909.D
 Acq: 12 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	5.6	8.4#
80	7.0	6.4	9.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.134 ng

RT: 16.11 min Scan# 2217

Delta R.T. 0.21 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

Instrument :

BNA_G

ClientSampleId :

P026-SS007-0612-01

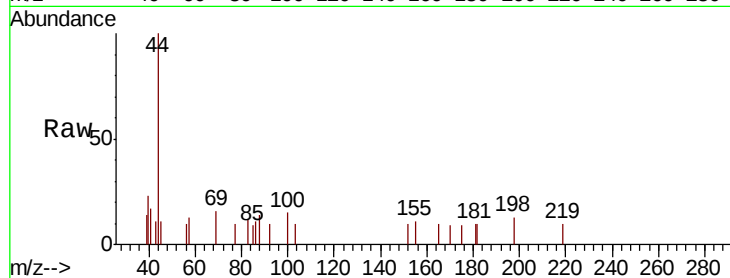
Tgt Ion:198 Resp: 80

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

105 0.0 21.2 61.2#



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

16.11

200

150

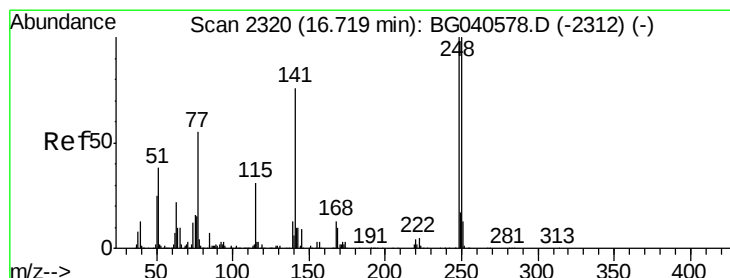
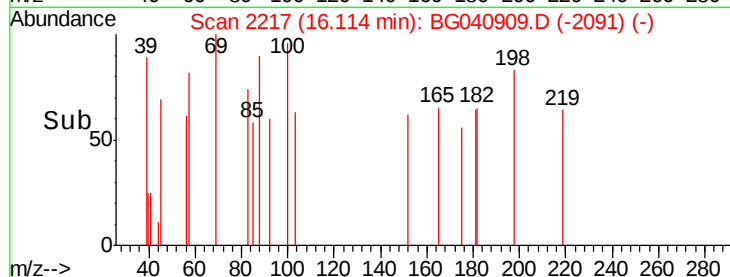
100

50

0

16.10 16.12

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.660 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.47 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

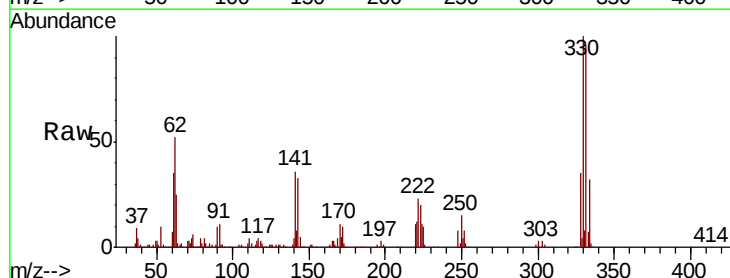
Tgt Ion:248 Resp: 24760

Ion Ratio Lower Upper

248 100

250 183.0 79.8 119.6#

141 441.9 60.8 91.2#



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

16.25

100000

80000

60000

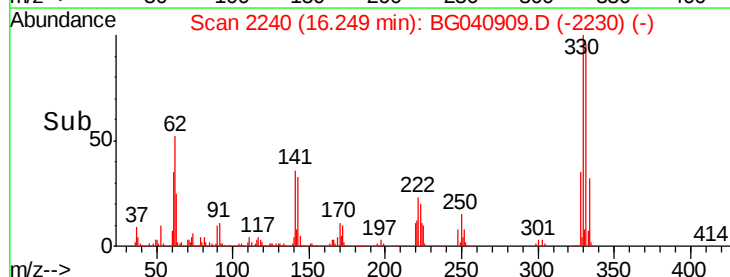
40000

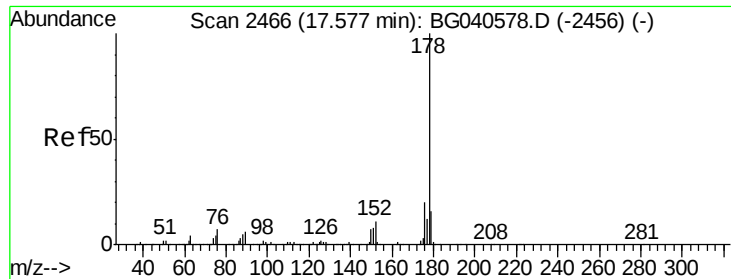
20000

0

16.20 16.25 16.30

Time-->





#71

Phenanthrene

Concen: 3.612 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.03 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

Instrument :

BNA_G

ClientSampleId :

P026-SS007-0612-01

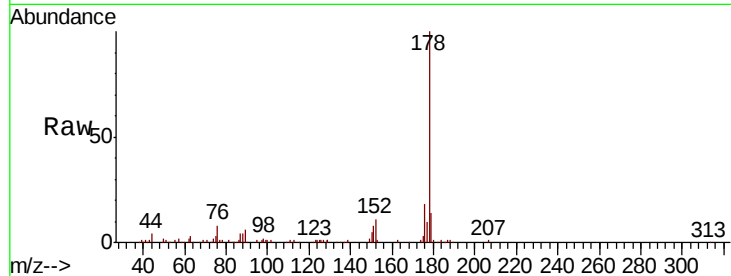
Tgt Ion:178 Resp: 82980

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.6

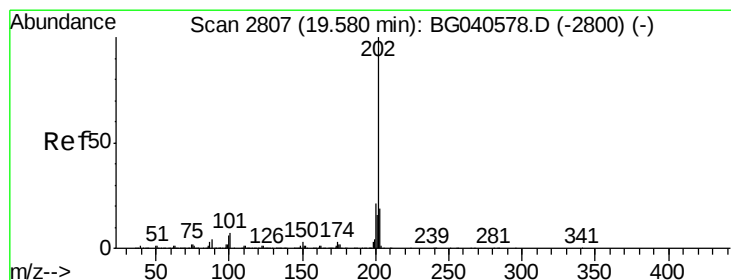
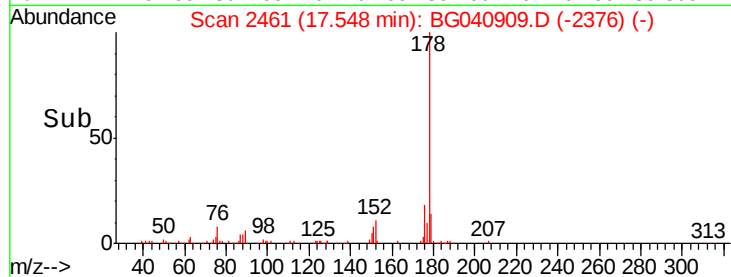
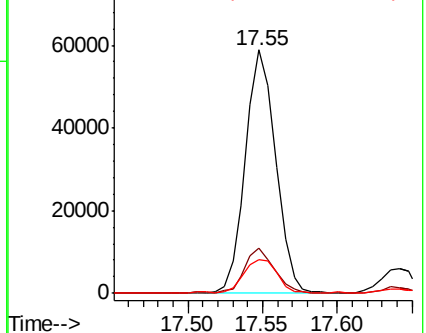
179 13.6 12.6 18.8



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: 5.670 ng

RT: 19.55 min Scan# 2802

Delta R.T. -0.03 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

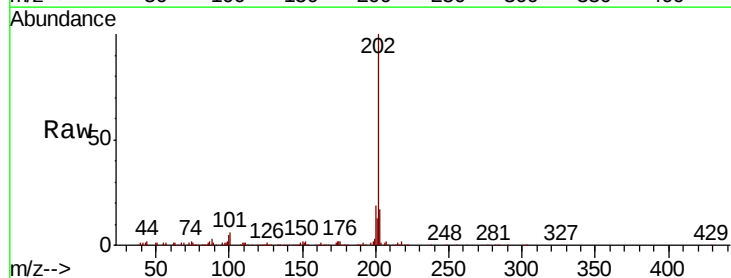
Tgt Ion:202 Resp: 162322

Ion Ratio Lower Upper

202 100

101 6.2 0.0 27.5

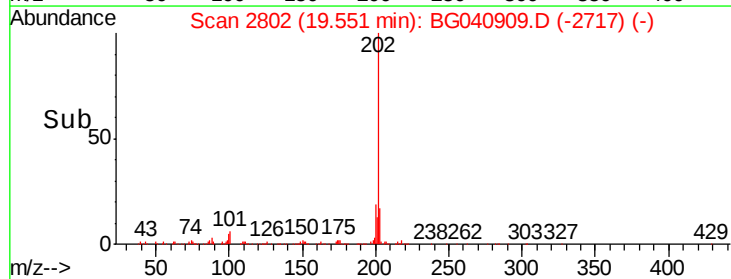
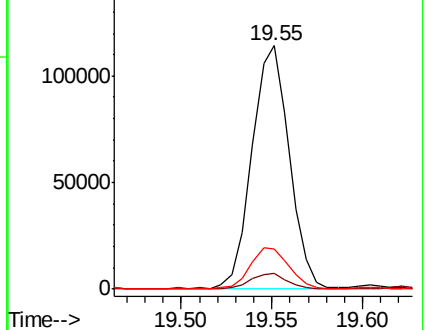
203 16.5 0.0 39.3

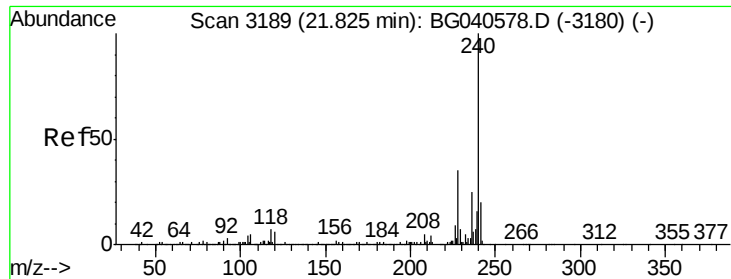


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.79 min Scan# 3183

Delta R.T. -0.04 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

Instrument :

BNA_G

ClientSampleId :

P026-SS007-0612-01

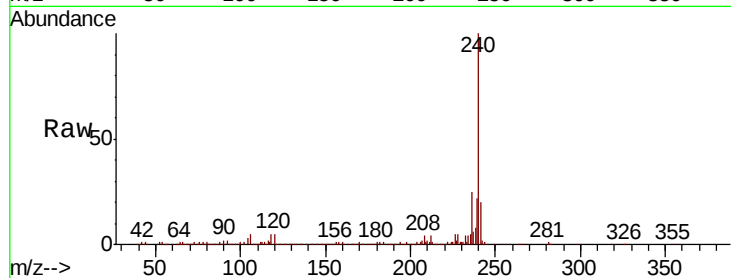
Tgt Ion:240 Resp: 431994

Ion Ratio Lower Upper

240 100

120 4.5 5.0 7.6#

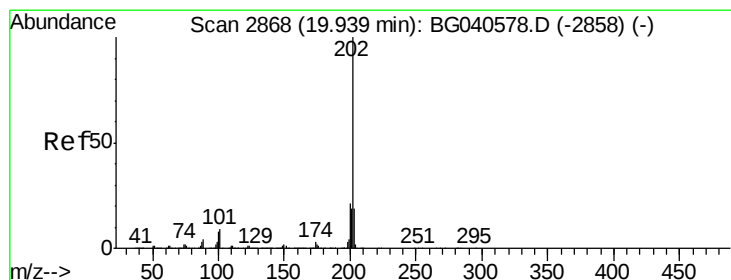
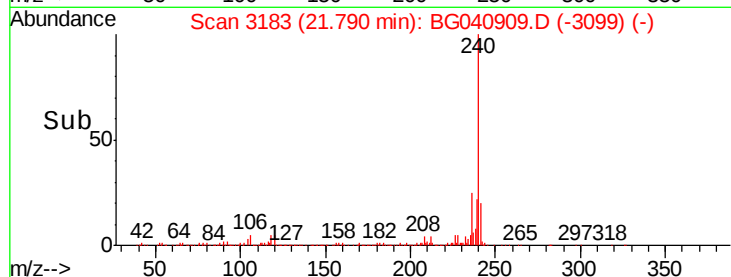
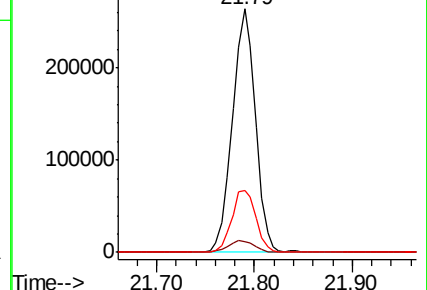
236 25.4 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 10.975 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.02 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

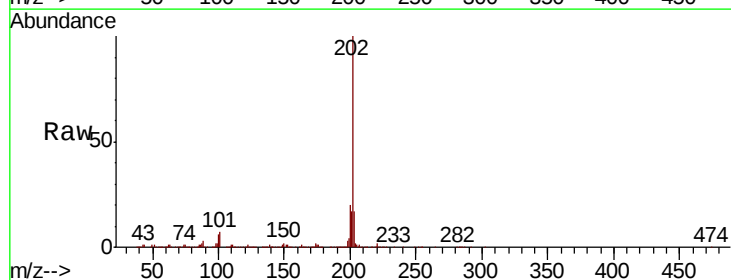
Tgt Ion:202 Resp: 297163

Ion Ratio Lower Upper

202 100

200 20.0 17.2 25.8

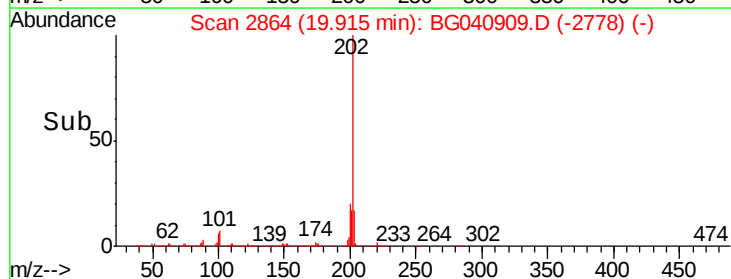
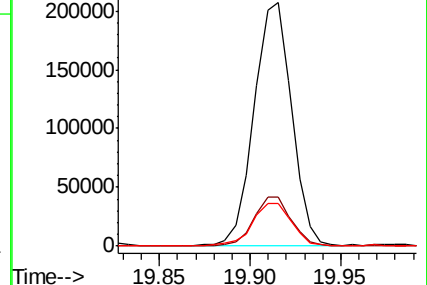
203 17.4 15.0 22.4

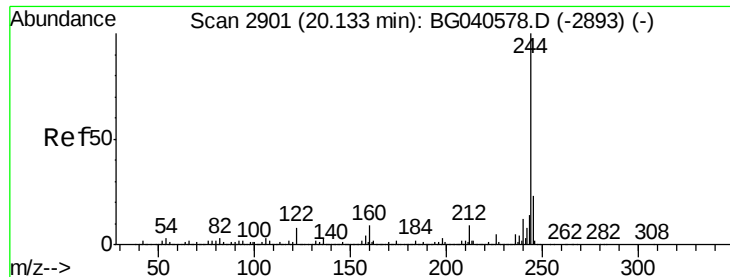


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.340 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

Instrument :

BNA_G

ClientSampleId :

P026-SS007-0612-01

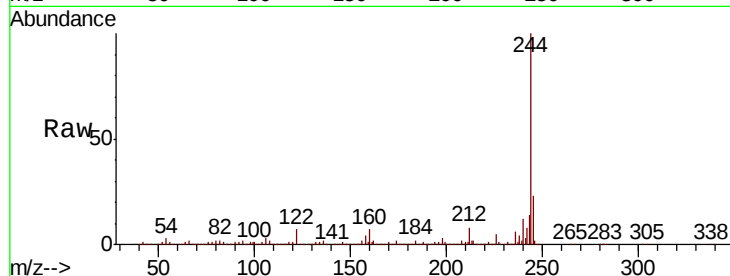
Tgt Ion:244 Resp: 1332589

Ion Ratio Lower Upper

244 100

212 8.3 7.2 10.8

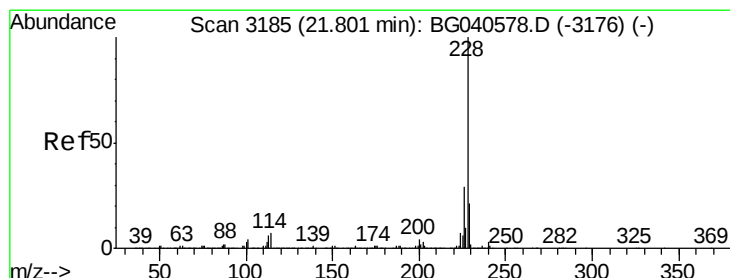
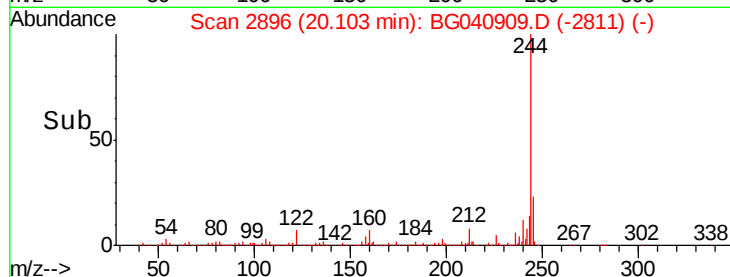
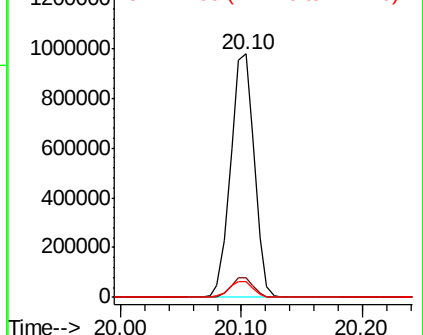
122 6.7 6.6 10.0



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: 4.214 ng

RT: 21.77 min Scan# 3179

Delta R.T. -0.04 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

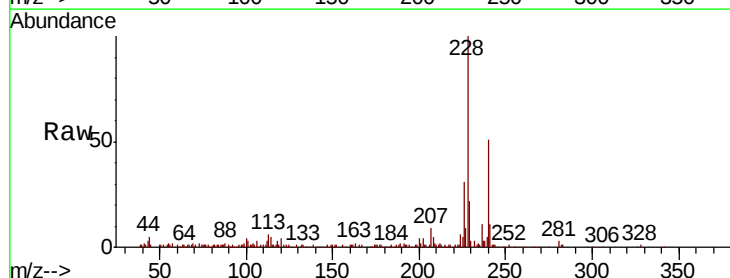
Tgt Ion:228 Resp: 115063

Ion Ratio Lower Upper

228 100

226 31.3 23.1 34.7

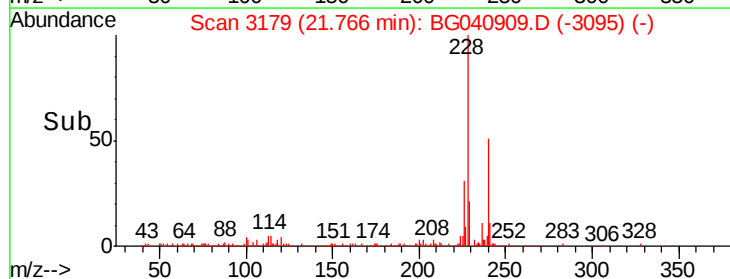
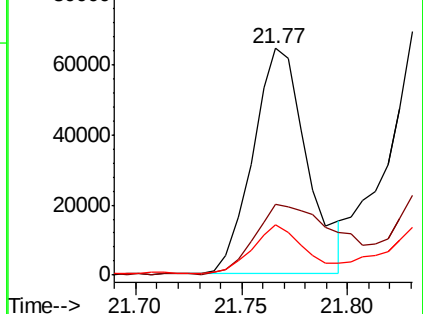
229 22.2 17.0 25.4

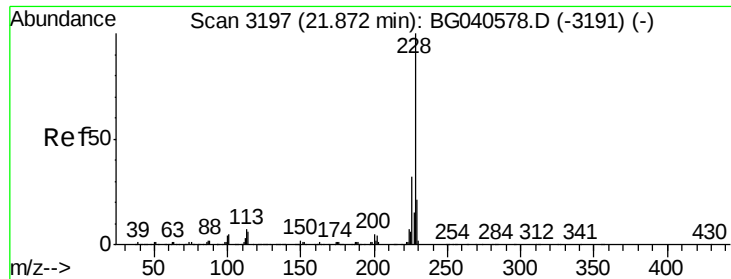


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.276 ng

RT: 21.83 min Scan# 3190

Delta R.T. -0.04 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

Instrument :

BNA_G

ClientSampleId :

P026-SS007-0612-01

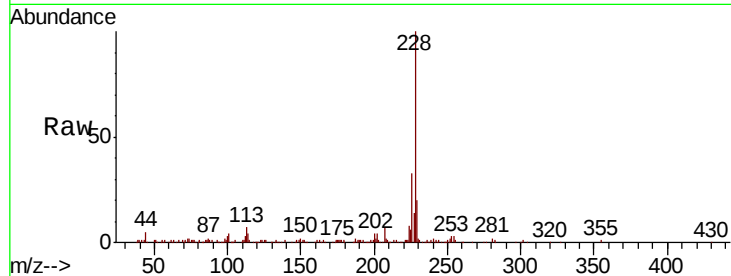
Tgt Ion: 228 Resp: 136986

Ion Ratio Lower Upper

228 100

226 32.5 25.5 38.3

229 19.8 16.8 25.2

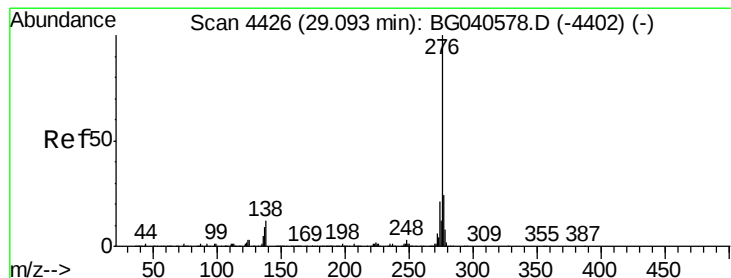
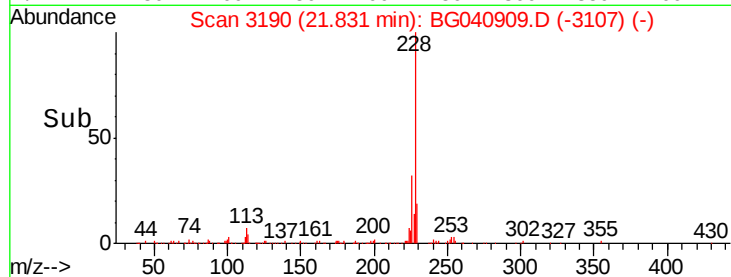
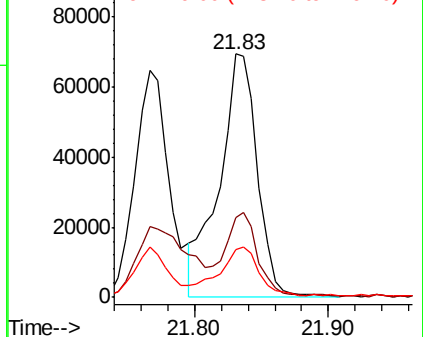


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.362 ng

RT: 28.96 min Scan# 4404

Delta R.T. -0.13 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

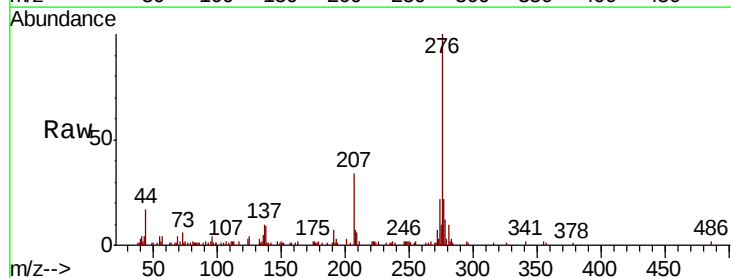
Tgt Ion: 276 Resp: 74137

Ion Ratio Lower Upper

276 100

138 0.4 9.8 14.6#

277 26.8 17.3 25.9#

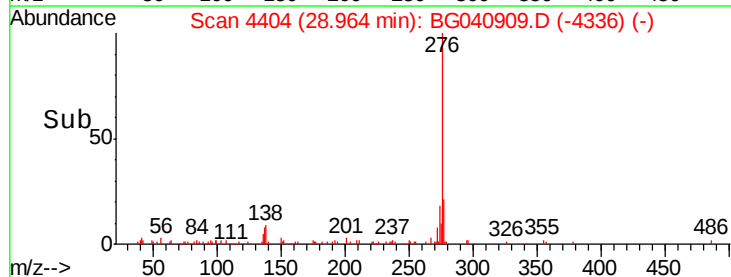
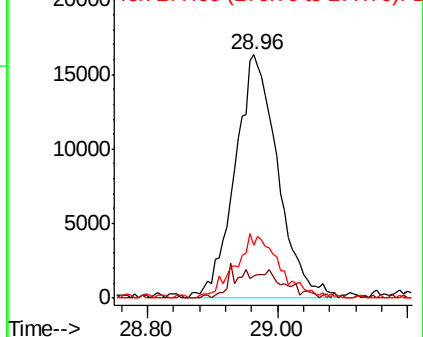


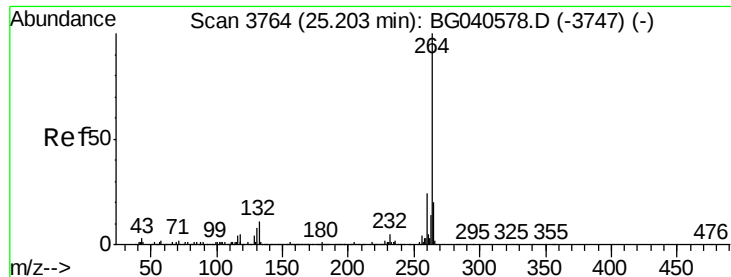
Abundance

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

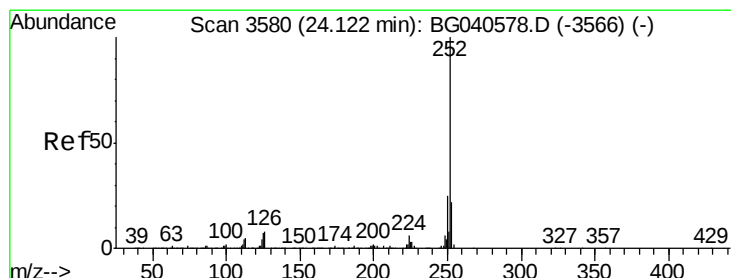
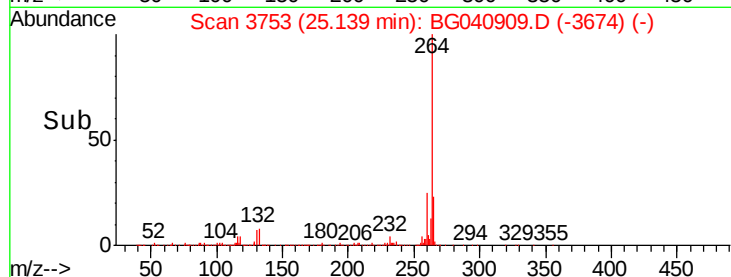
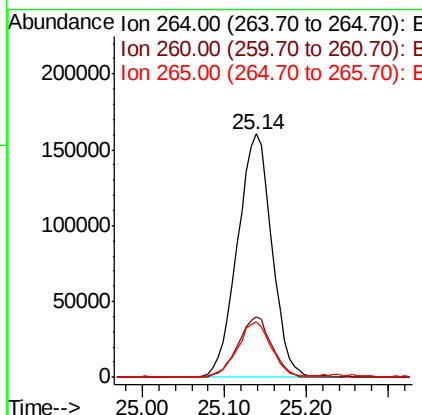
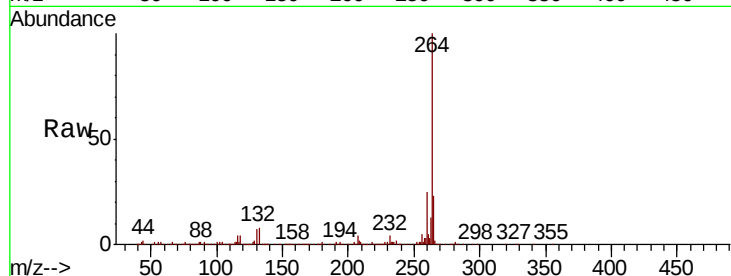




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.14 min Scan# 3753
Delta R.T. -0.06 min
Lab File: BG040909.D
Acq: 12 May 2019 14:47

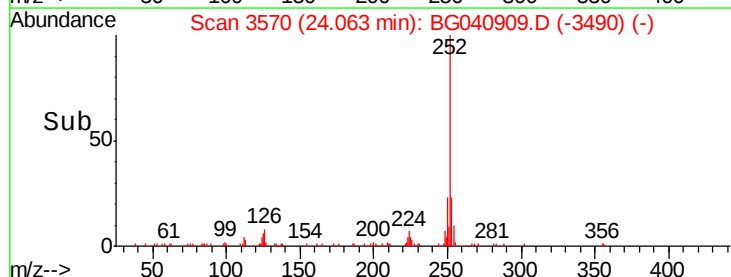
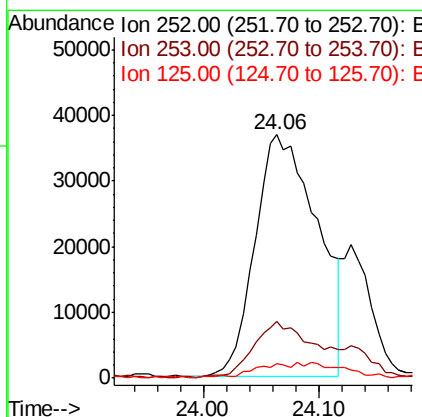
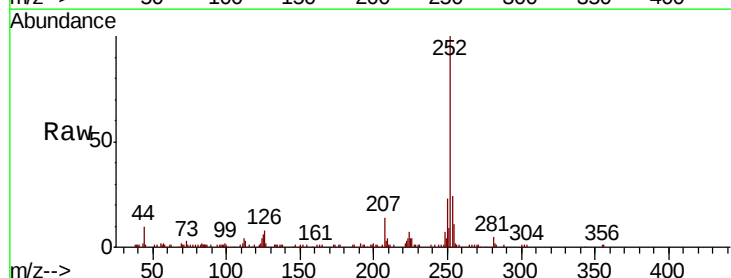
Instrument :
BNA_G
ClientSampleId :
P026-SS007-0612-01

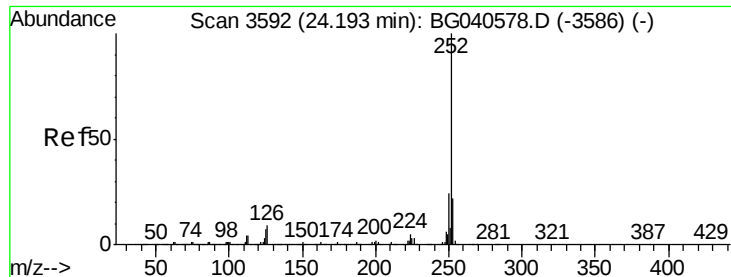
Tgt Ion:	264	Resp:	470419
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.9	16.6	25.0



#88
Benzo(b)fluoranthene
Concen: 4.843 ng
RT: 24.06 min Scan# 3570
Delta R.T. -0.06 min
Lab File: BG040909.D
Acq: 12 May 2019 14:47

Tgt Ion:	252	Resp:	139218
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	6.1	5.4	8.0





#89

Benzo(k)fluoranthene

Concen: 5.186 ng

RT: 24.06 min Scan# 3570

Delta R.T. -0.13 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

Instrument :

BNA_G

ClientSampleId :

P026-SS007-0612-01

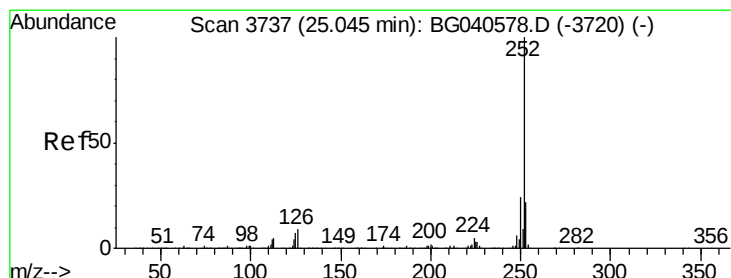
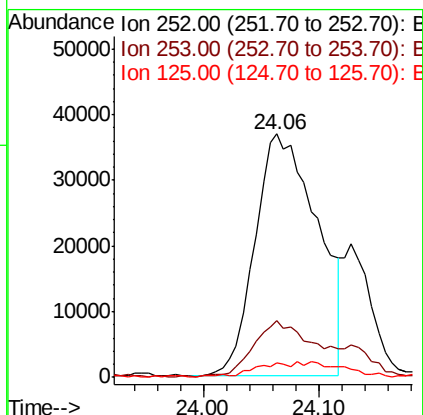
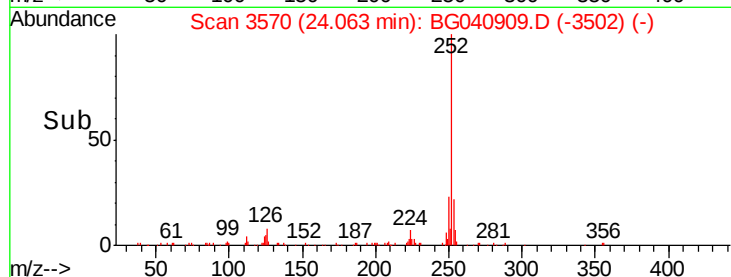
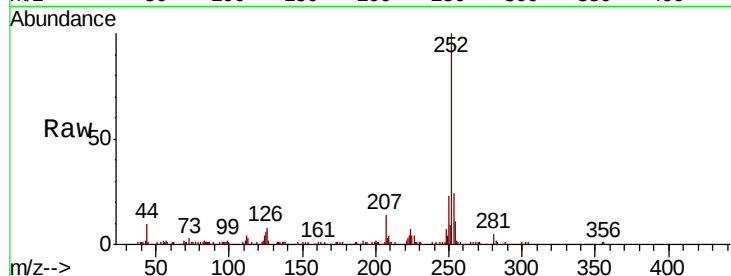
Tgt Ion:252 Resp: 139218

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

125 6.1 5.5 8.3



#90

Benzo(a)pyrene

Concen: 3.646 ng

RT: 24.97 min Scan# 3725

Delta R.T. -0.07 min

Lab File: BG040909.D

Acq: 12 May 2019 14:47

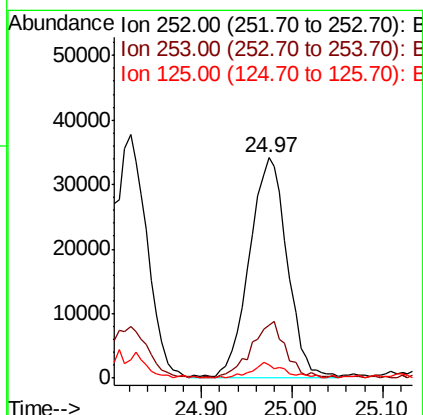
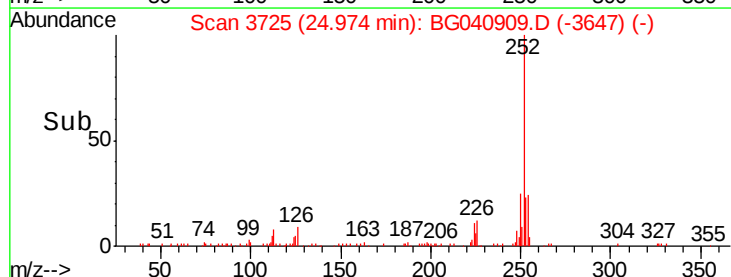
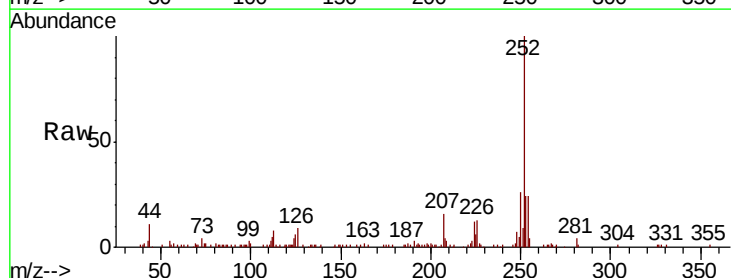
Tgt Ion:252 Resp: 99210

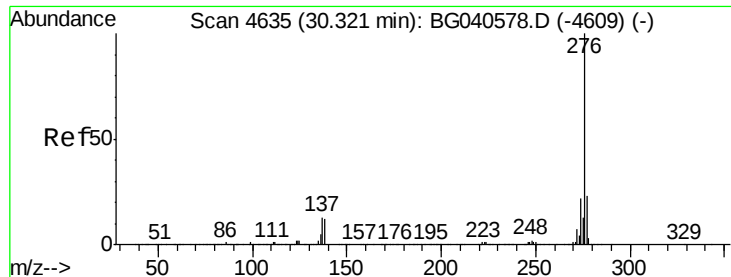
Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 5.9 5.7 8.5





#92

Benzo(g,h,i)perylene

Concen: 3.284 ng

RT: 30.19 min Scan# 4612

Delta R.T. -0.14 min

Lab File: BG040909.D

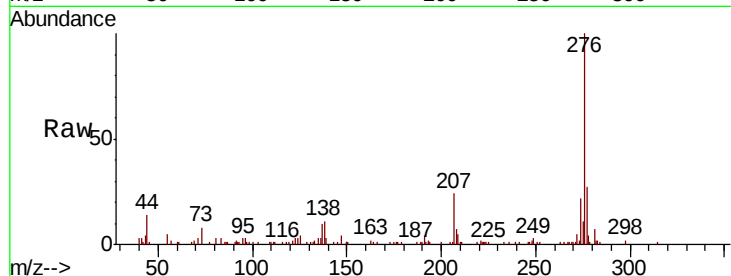
Acq: 12 May 2019 14:47

Instrument :

BNA_G

ClientSampleId :

P026-SS007-0612-01



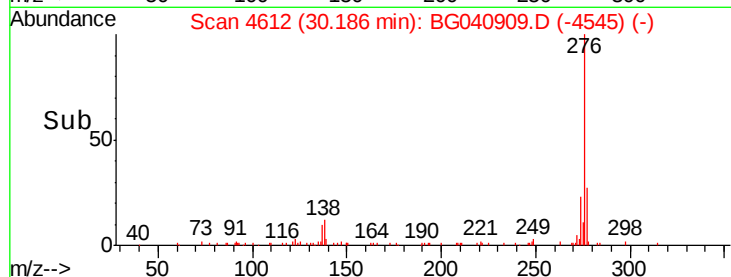
Tgt Ion: 276 Resp: 90013

Ion Ratio Lower Upper

276 100

277 26.8 18.4 27.6

138 14.4 9.8 14.6



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

