

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039615.D
 Acq On : 27 Feb 2019 1:17
 Operator : JU/SJ
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Feb 27 02:47:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-8.18
21) Naphthalene-d8	0.00	136	0	0.00	ng	-11.01
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.81
64) Phenanthrene-d10	17.54	188	53	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	127	20.00	ng	-0.04
87) Perylene-d12	25.21	264	63	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.33	99	66	0.00	ng	0.00
23) Nitrobenzene-d5	9.41	82	87	0.00	ng	0.05
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
79) Terphenyl-d14	20.12	244	686	114.33	ng	-0.03

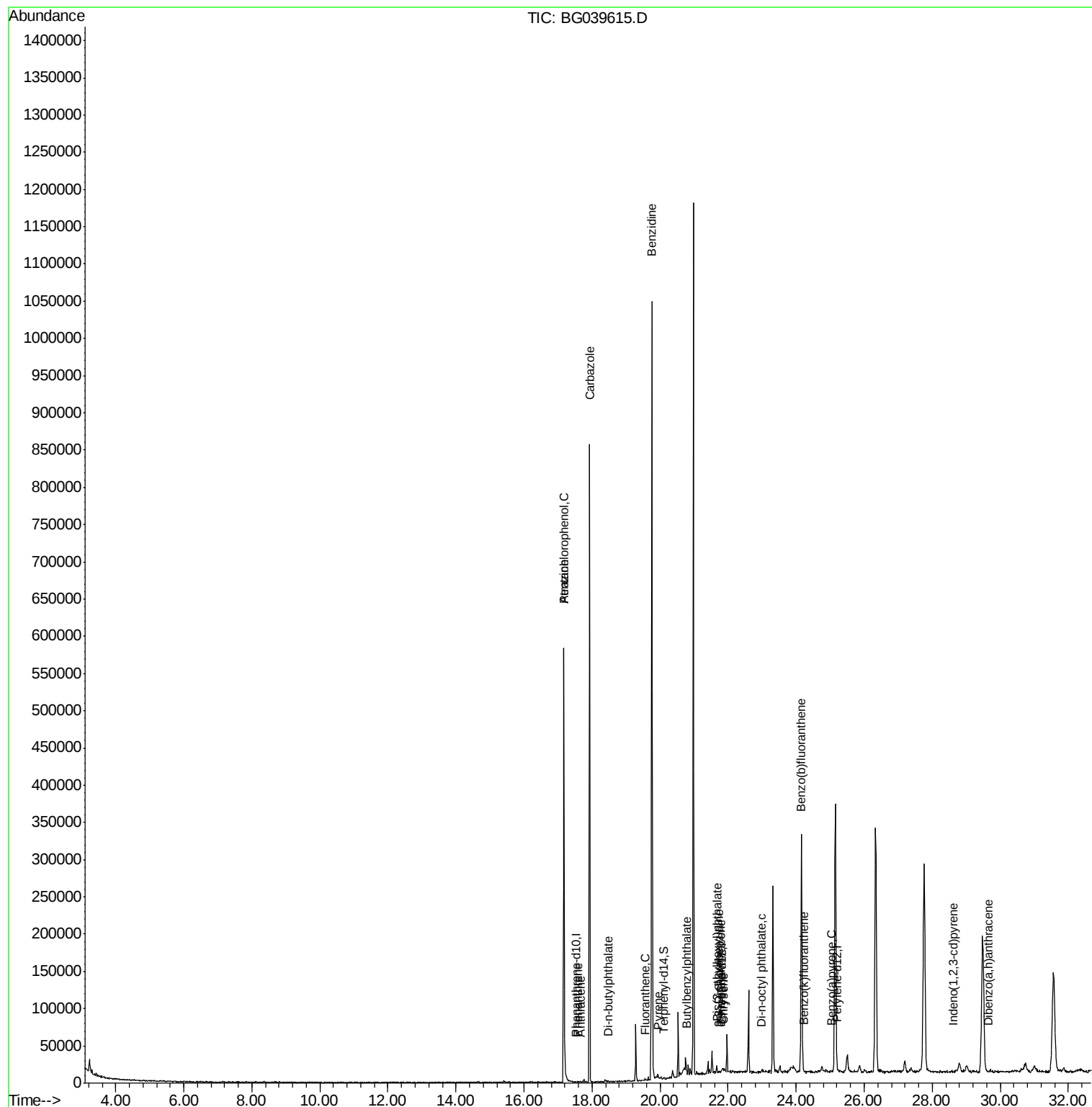
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
69) Atrazine	17.17	200	22653	38464.933	ng	# 35
70) Pentachlorophenol	17.17	266	108943	265713.015	ng	# 99
71) Phenanthrene	17.58	178	136	49.579	ng	# 59
72) Anthracene	17.67	178	117	43.302	ng	# 60
73) Carbazole	17.92	167	6074	2252.519	ng	# 81
74) Di-n-butylphthalate	18.46	149	701	222.832	ng	# 77
75) Fluoranthene	19.57	202	218	68.469	ng	# 63
77) Benzidine	19.76	184	568828	136613.695	ng	# 89
78) Pyrene	19.94	202	170	21.502	ng	# 55
80) Butylbenzylphthalate	20.80	149	236	70.763	ng	# 22
81) Benzo(a)anthracene	21.79	228	70	9.328	ng	# 50
82) 3,3'-Dichlorobenzidine	21.72	252	740	265.942	ng	# 26
83) Chrysene	21.87	228	332	46.475	ng	# 51
84) Bis(2-ethylhexyl)phthalate	21.67	149	4449	935.063	ng	# 84
85) Di-n-octyl phthalate	22.96	149	78	9.923	ng	# 51
86) Indeno(1,2,3-cd)pyrene	28.60	276	62	8.089	ng	# 54
88) Benzo(b)fluoranthene	24.14	252	308	89.646	ng	# 1
89) Benzo(k)fluoranthene	24.22	252	56	16.235	ng	# 59
90) Benzo(a)pyrene	25.03	252	63	19.040	ng	# 59
91) Dibenzo(a,h)anthracene	29.64	278	63	20.331	ng	# 56

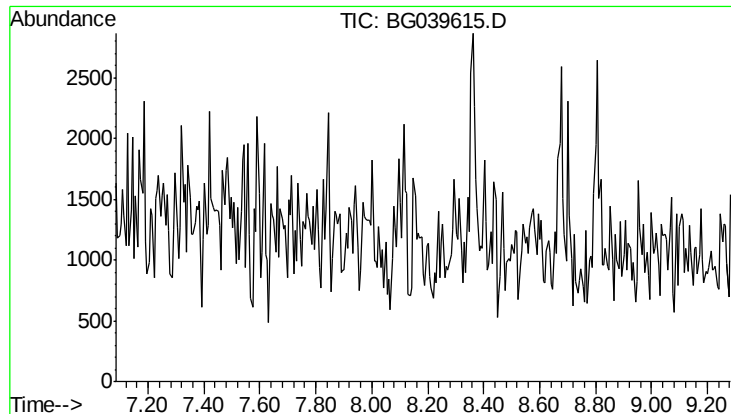
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 8.18 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Instrument :

BNA_G

ClientSampleId :

DFTPP

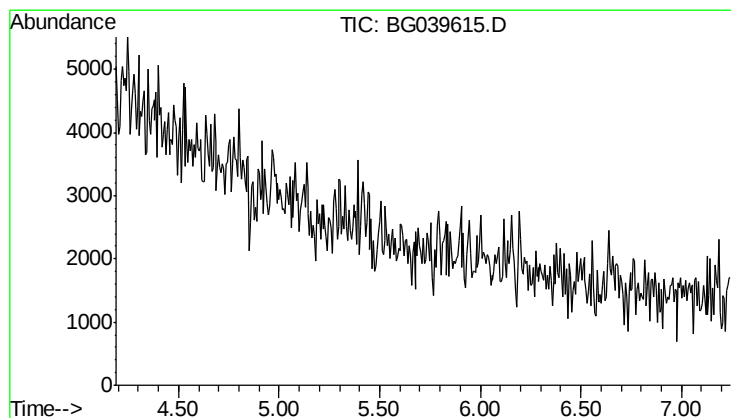
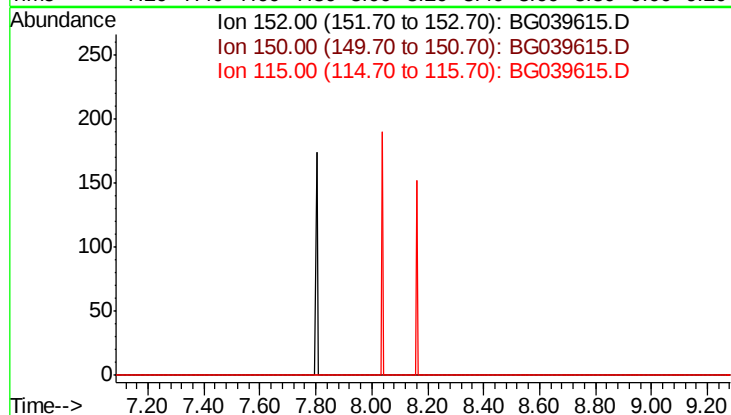
Tgt Ion: 152

Sig Exp Ratio

152 100

150 154.6

115 57.4



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.72 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

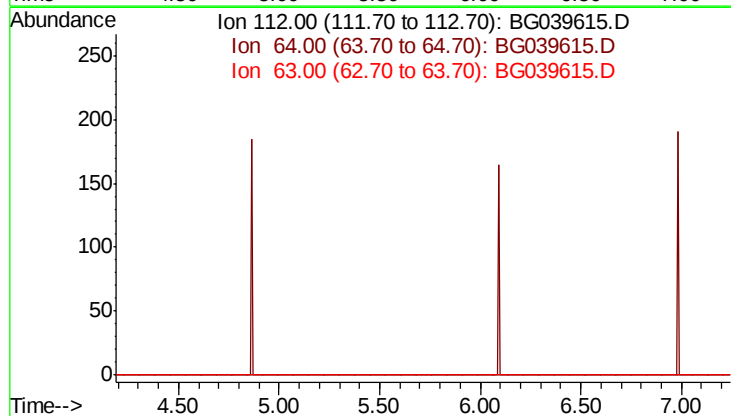
Tgt Ion: 112

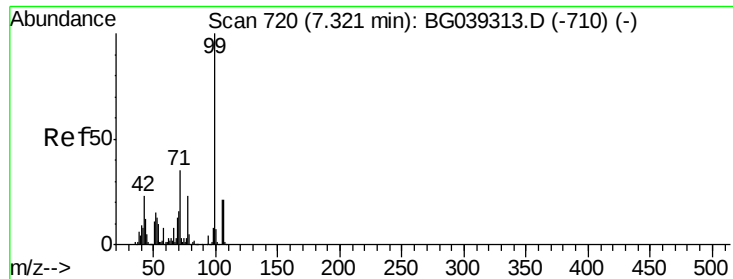
Sig Exp Ratio

112 100

64 72.3

63 37.2





#7

Phenol-d6

Concen: 0.000 ng

RT: 7.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Instrument :

BNA_G

ClientSampleId :

DFTPP

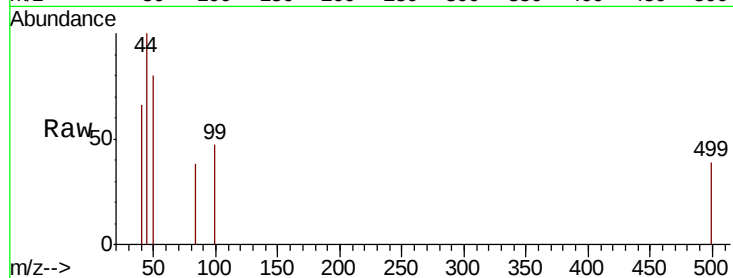
Tgt Ion: 99 Resp: 66

Ion Ratio Lower Upper

99 100

42 0.0 18.2 27.2#

71 0.0 28.0 42.0#



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

250

200

150

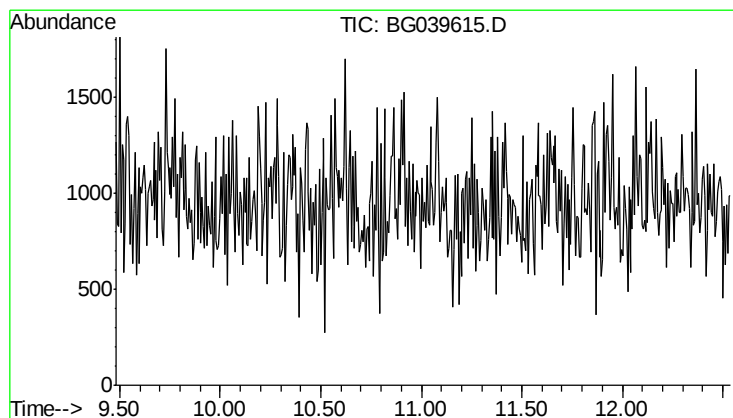
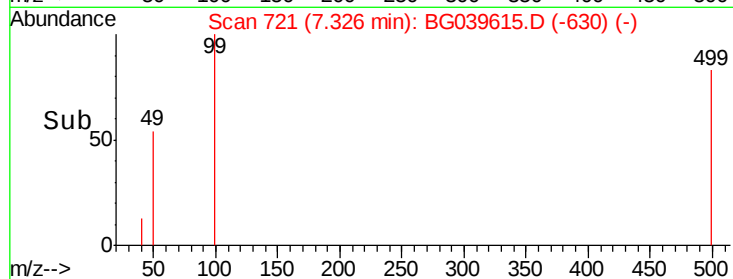
100

50

0

7.31 7.32 7.33 7.34

Time-->



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 11.01 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Tgt Ion: 136

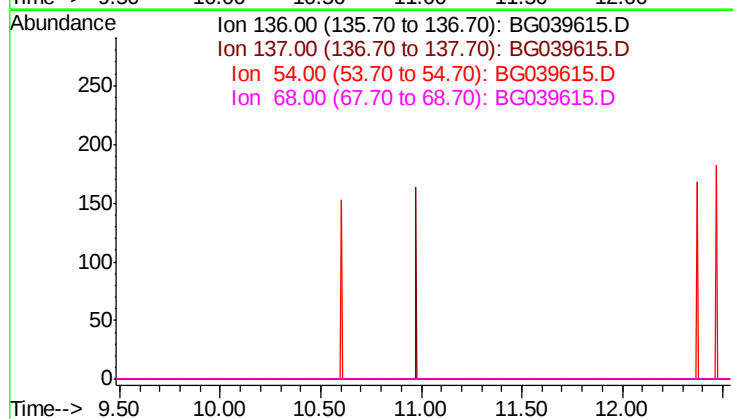
Sig Exp Ratio

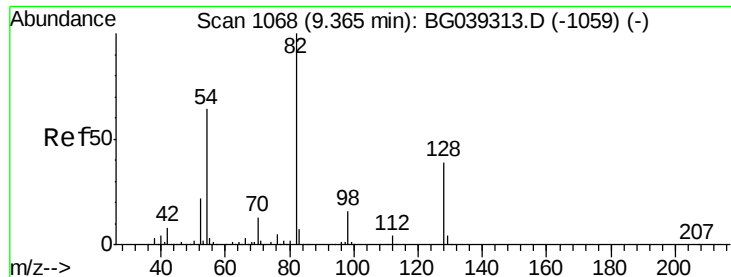
136 100

137 11.4

54 11.8

68 5.3





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 9.41 min Scan# 1076

Delta R.T. 0.05 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Instrument :

BNA_G

ClientSampleId :

DFTPP

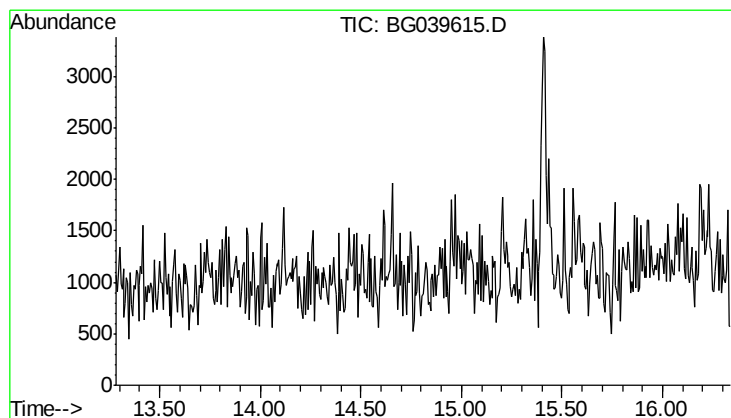
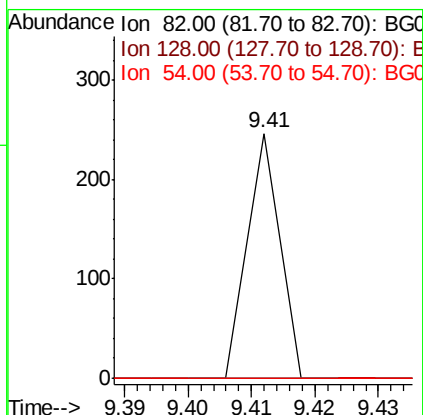
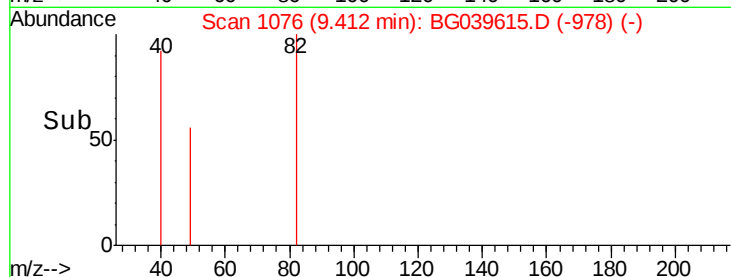
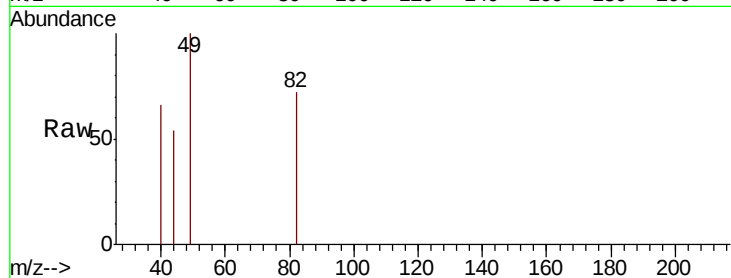
Tgt Ion: 82 Resp: 87

Ion Ratio Lower Upper

82 100

128 0.0 31.3 46.9#

54 0.0 50.9 76.3#



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 14.81 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

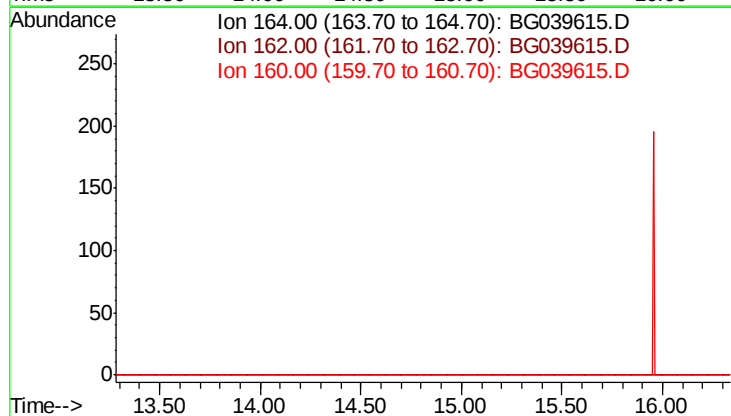
Tgt Ion: 164

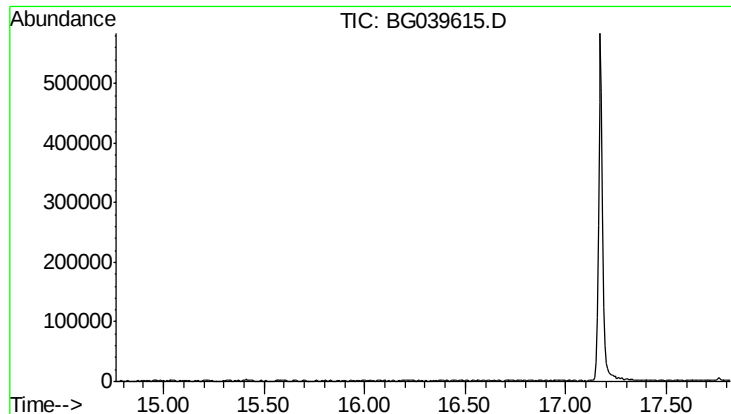
Sig Exp Ratio

164 100

162 102.0

160 42.7





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.29 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Instrument :

BNA_G

ClientSampleId :

DFTPP

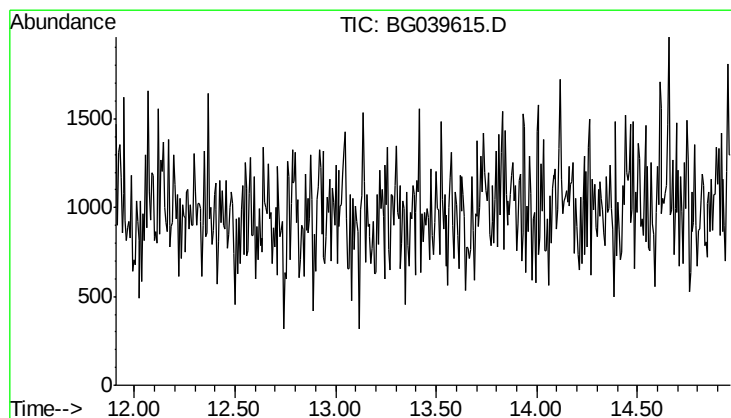
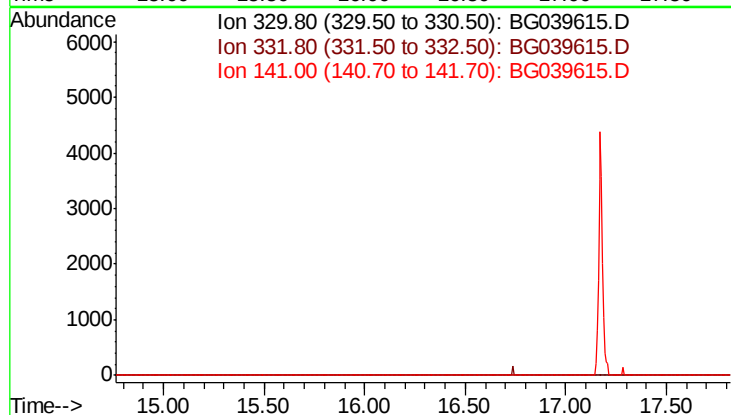
Tgt Ion: 330

Sig Exp Ratio

330 100

332 94.6

141 44.5



#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 13.44 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

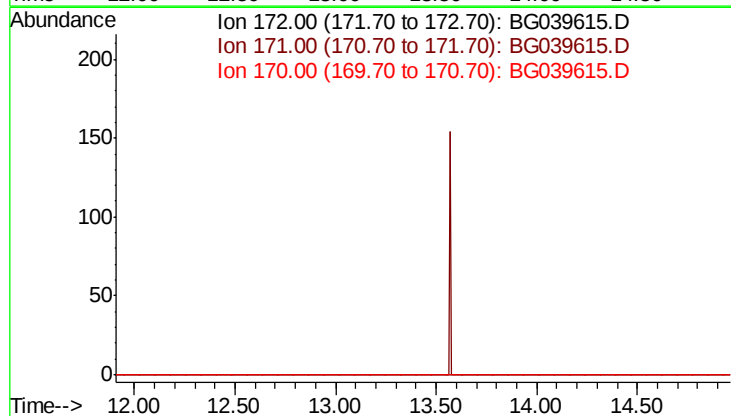
Tgt Ion: 172

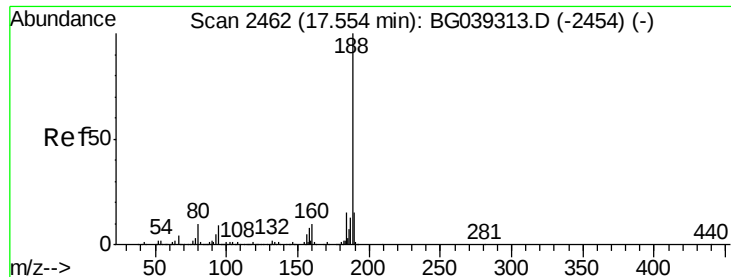
Sig Exp Ratio

172 100

171 38.5

170 25.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Instrument :

BNA_G

ClientSampleId :

DFTPP

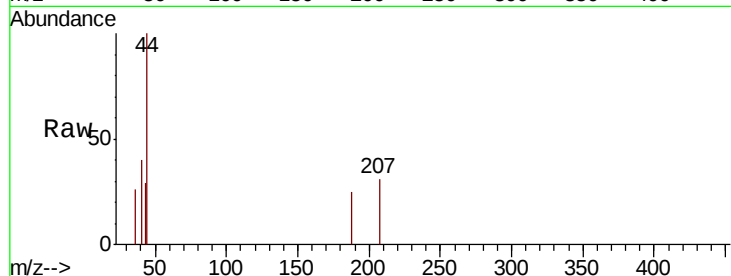
Tgt Ion:188 Resp: 53

Ion Ratio Lower Upper

188 100

94 0.0 6.9 10.3#

80 0.0 8.1 12.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

17.54

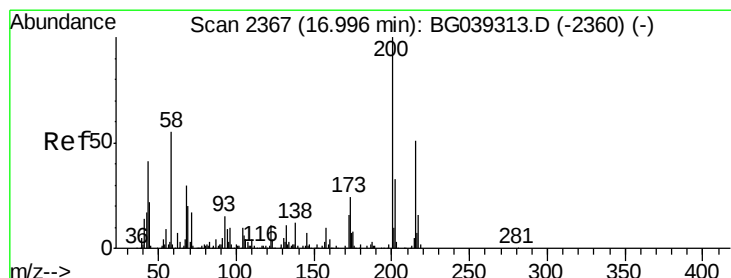
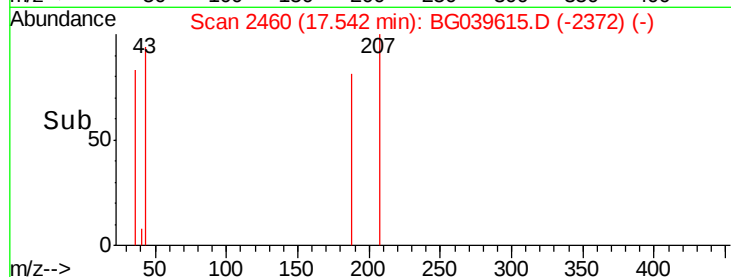
150

100

50

0

Time--> 17.52 17.54 17.56



#69

Atrazine

Concen: 38464.933 ng

RT: 17.17 min Scan# 2397

Delta R.T. 0.18 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

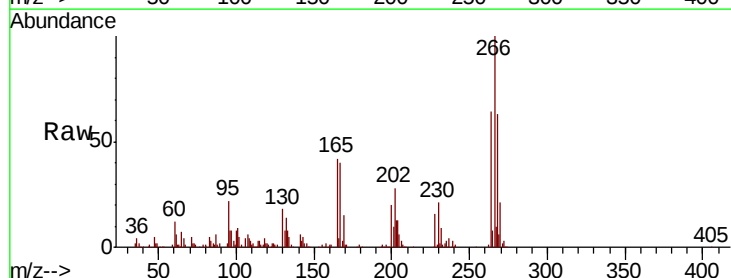
Tgt Ion:200 Resp: 22653

Ion Ratio Lower Upper

200 100

173 0.0 3.9 43.9#

215 0.0 30.9 70.9#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

17.17

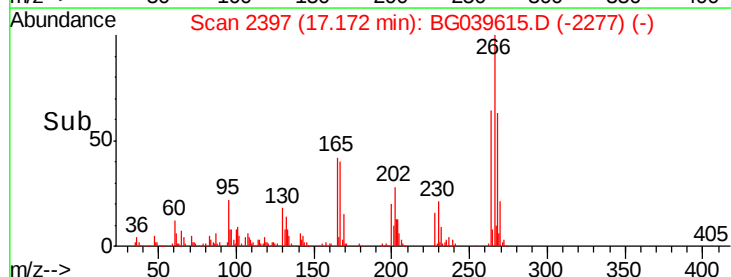
15000

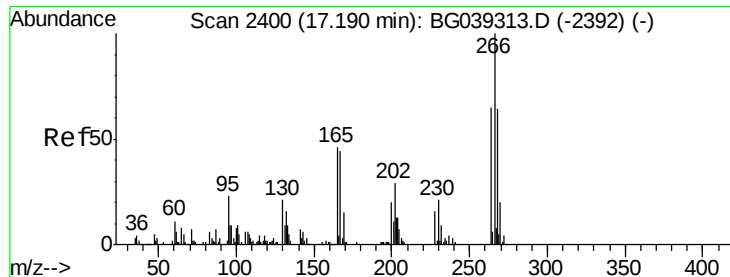
10000

5000

0

Time--> 17.10 17.20

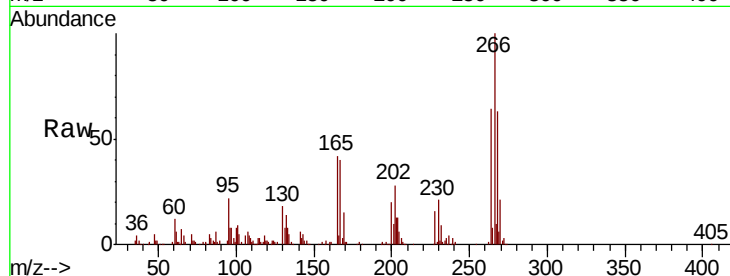




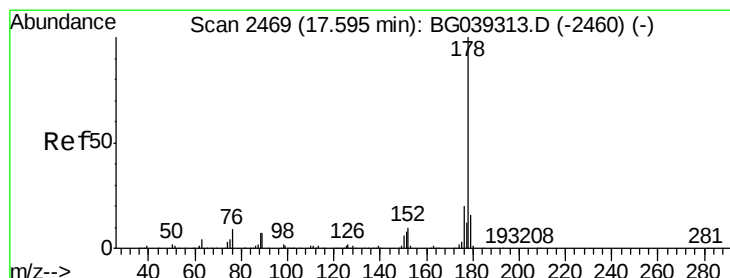
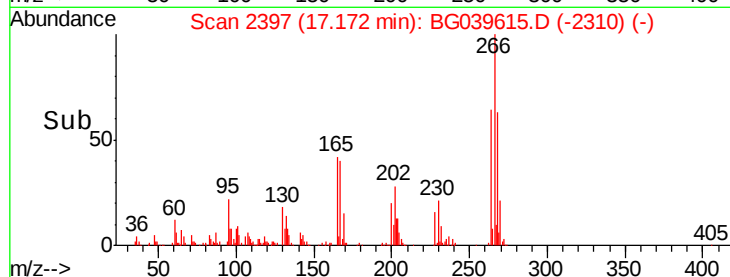
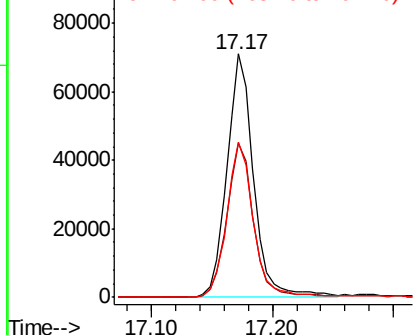
#70
 Pentachlorophenol
 Concen: 265713.015 ng
 RT: 17.17 min Scan# 2397
 Delta R.T. -0.02 min
 Lab File: BG039615.D
 Acq: 27 Feb 2019 1:17

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.1	76.7
264	63.8	52.1	78.1

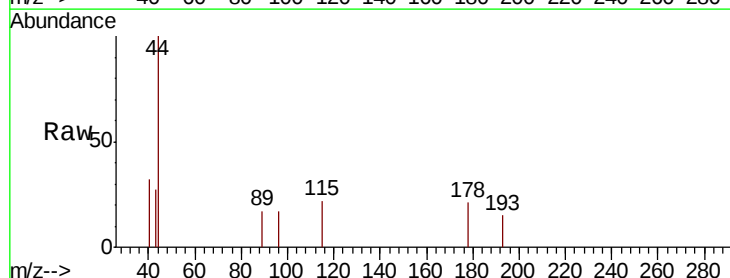


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

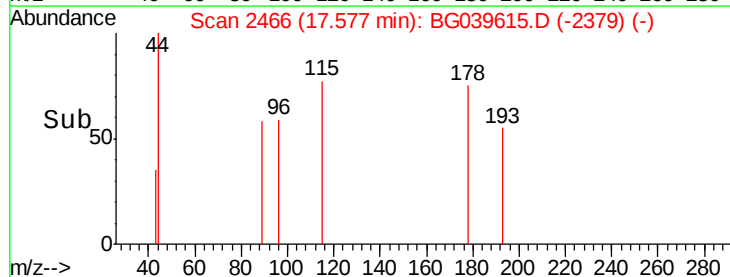
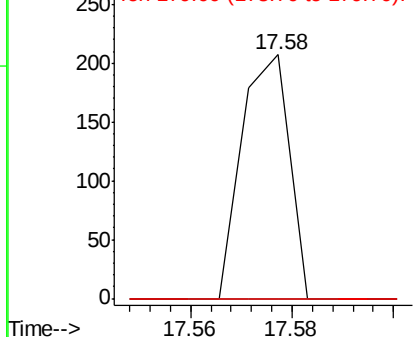


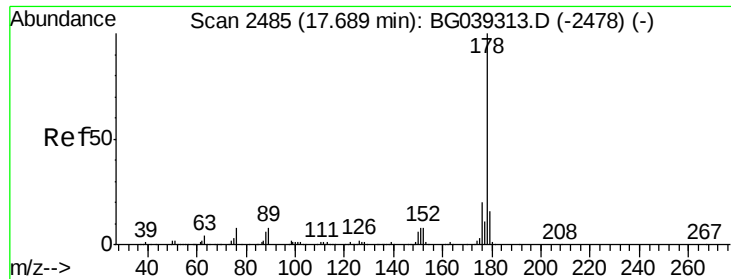
#71
 Phenanthrene
 Concen: 49.579 ng
 RT: 17.58 min Scan# 2466
 Delta R.T. -0.02 min
 Lab File: BG039615.D
 Acq: 27 Feb 2019 1:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	16.2	24.4#
179	0.0	12.6	19.0#



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





#72

Anthracene

Concen: 43.302 ng

RT: 17.67 min Scan# 2481

Delta R.T. -0.02 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Instrument :

BNA_G

ClientSampleId :

DFTPP

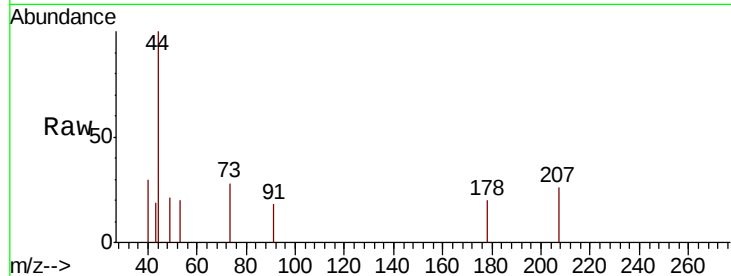
Tgt Ion:178 Resp: 117

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

179 0.0 12.5 18.7#

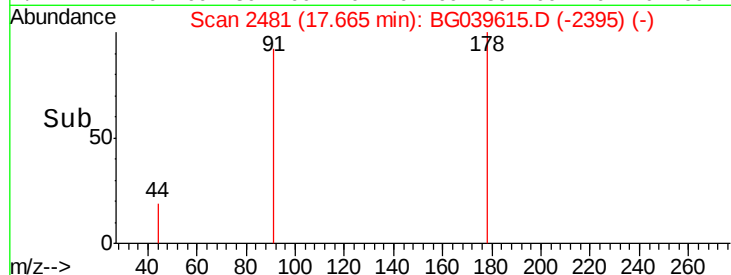


Abundance Ion 178.00 (177.70 to 178.70): E

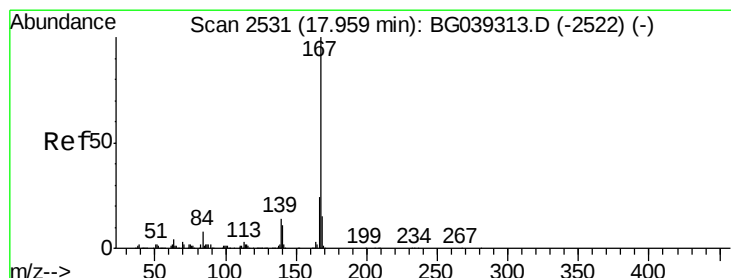
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.67



Time--> 17.64 17.66 17.68



#73

Carbazole

Concen: 2252.519 ng

RT: 17.92 min Scan# 2525

Delta R.T. -0.04 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

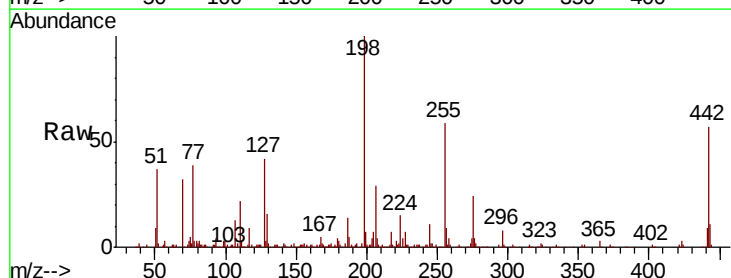
Tgt Ion:167 Resp: 6074

Ion Ratio Lower Upper

167 100

166 19.2 19.4 29.2#

139 0.0 10.8 16.2#

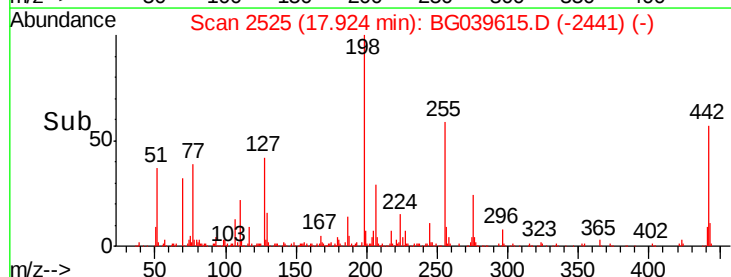


Abundance Ion 167.00 (166.70 to 167.70): E

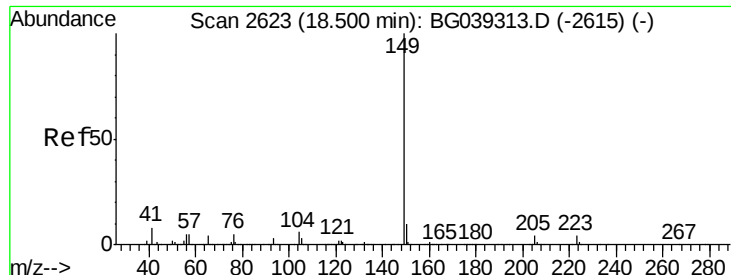
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.92



Time--> 17.90 17.95



#74

Di-n-butylphthalate

Concen: 222.832 ng

RT: 18.46 min Scan# 2617

Delta R.T. -0.04 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Instrument :

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ClientSampleId :

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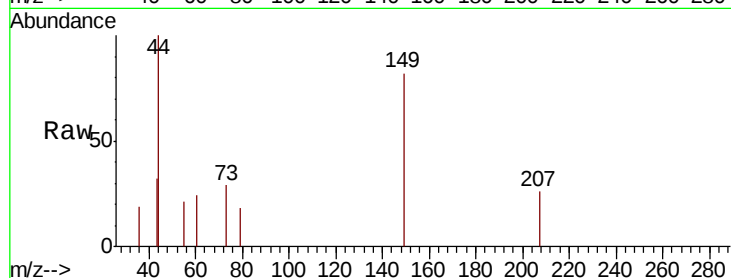
Tgt Ion:149 Resp: 701

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

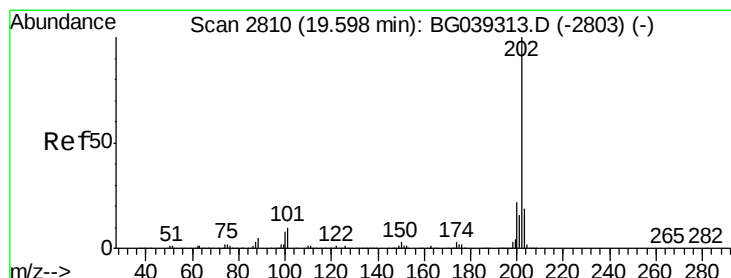
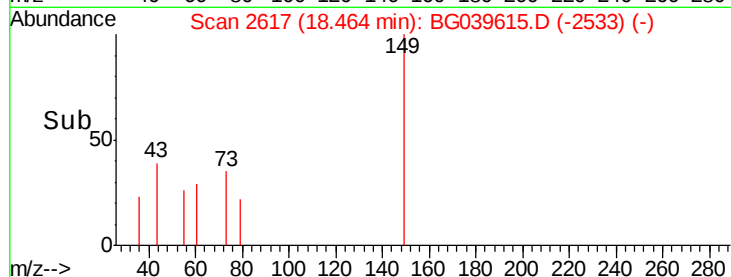
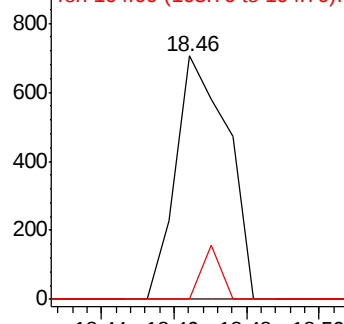
104 0.0 4.5 6.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 68.469 ng

RT: 19.57 min Scan# 2806

Delta R.T. -0.02 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

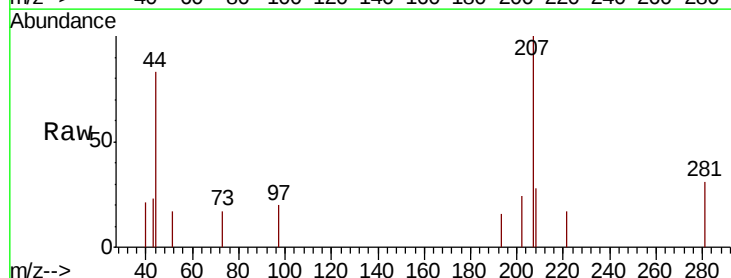
Tgt Ion:202 Resp: 218

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.0

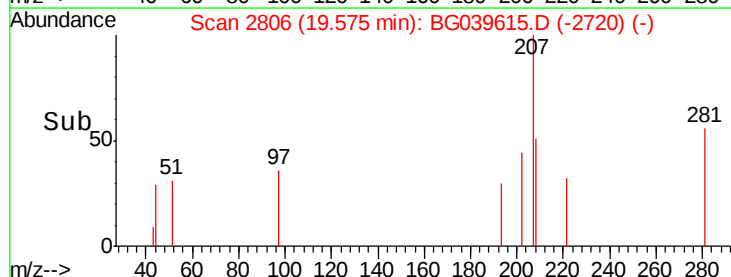
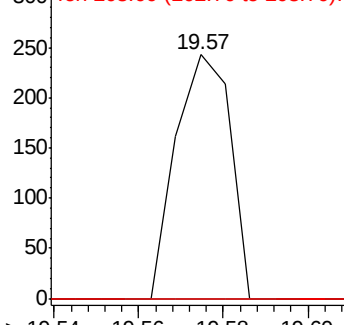
203 0.0 0.0 38.9

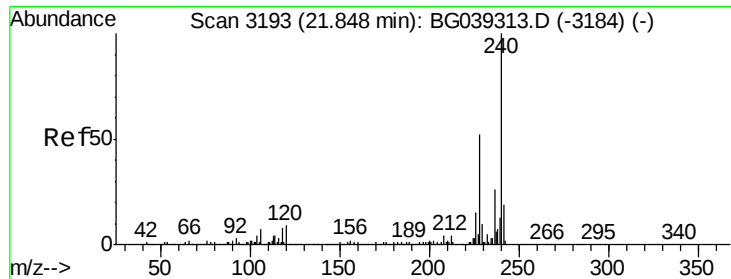


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

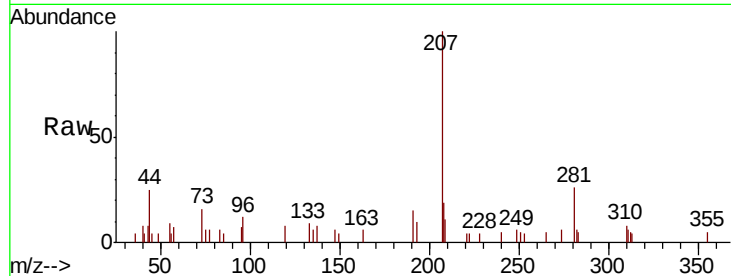




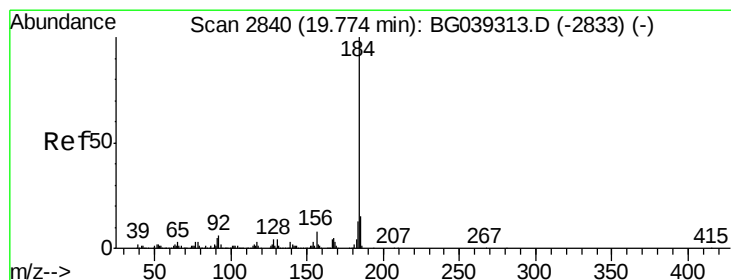
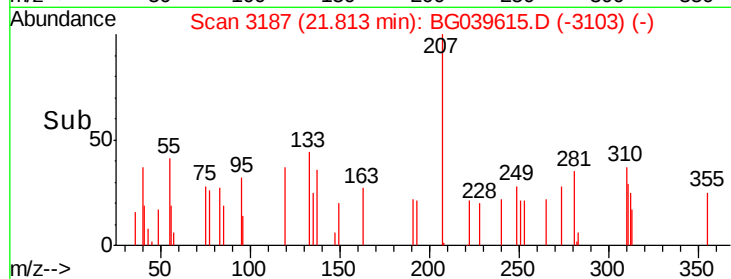
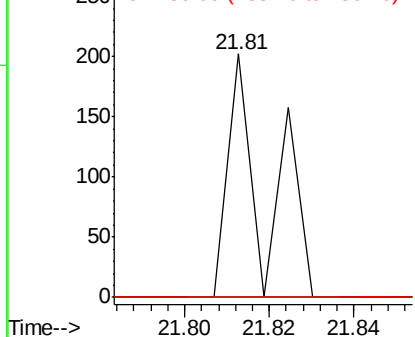
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.04 min
Lab File: BG039615.D
Acq: 27 Feb 2019 1:17

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion:240 Resp: 127
Ion Ratio Lower Upper
240 100
120 0.0 7.0 10.6#
236 0.0 21.0 31.4#

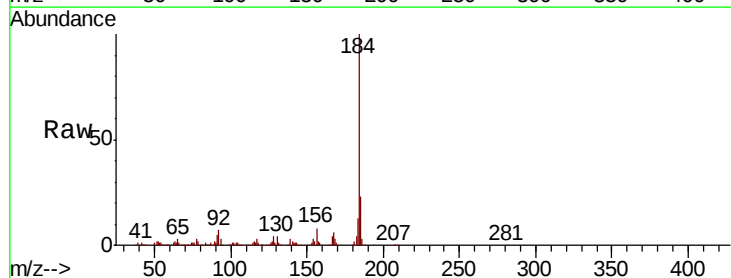


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

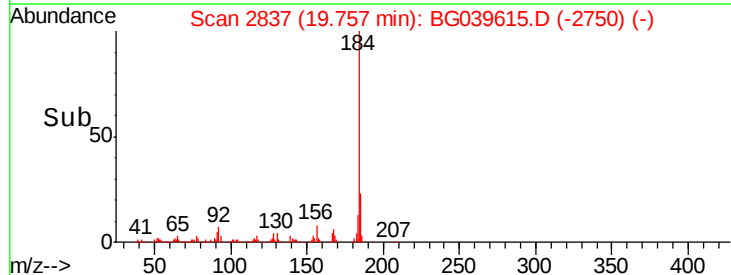
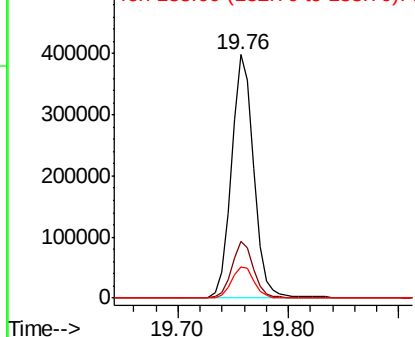


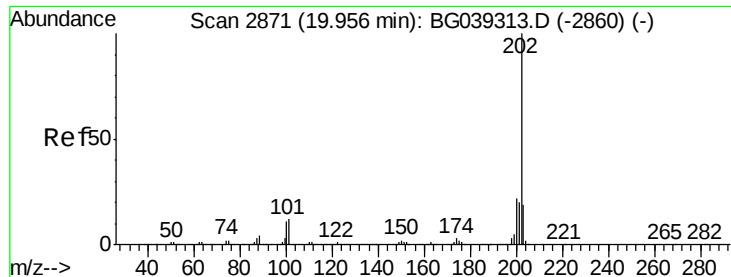
#77
Benzidine
Concen: 136613.695 ng
RT: 19.76 min Scan# 2837
Delta R.T. -0.02 min
Lab File: BG039615.D
Acq: 27 Feb 2019 1:17

Tgt Ion:184 Resp: 568828
Ion Ratio Lower Upper
184 100
185 23.3 12.2 18.2#
183 13.0 10.6 15.8



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: 21.502 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

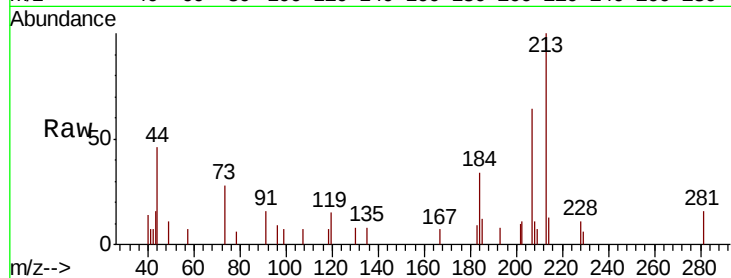
Instrument :

BNA_G

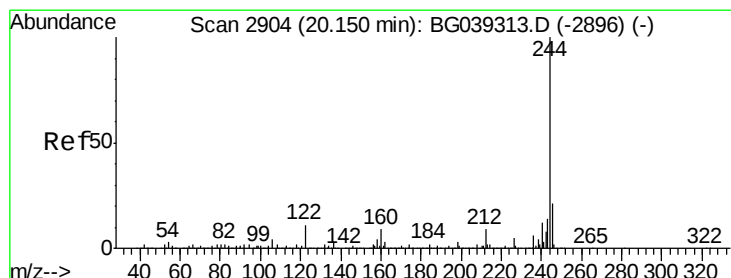
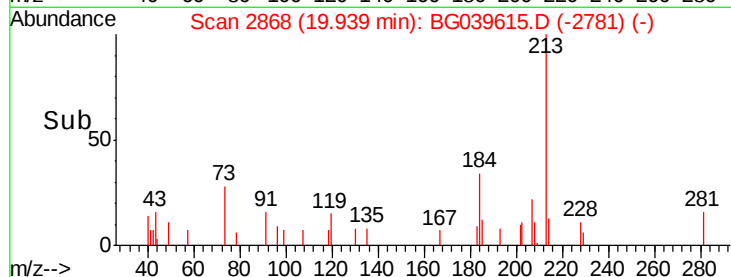
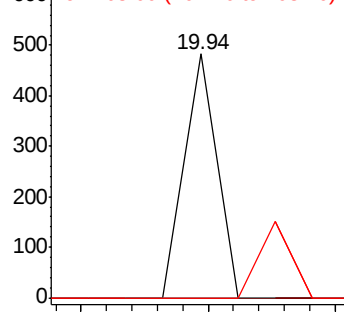
ClientSampleId :

DFTPP

Tgt Ion:	202	Resp:	170
Ion	Ratio	Lower	Upper
202	100		
200	0.0	17.8	26.8#
203	0.0	15.3	22.9#



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: 114.334 ng

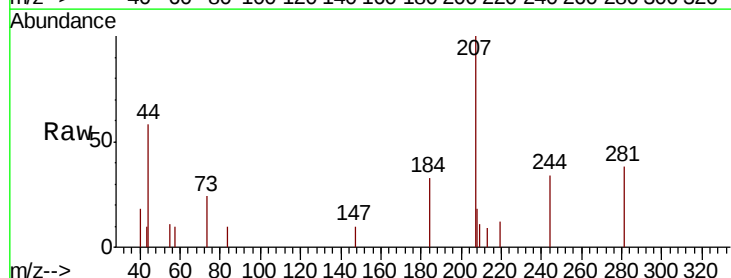
RT: 20.12 min Scan# 2899

Delta R.T. -0.03 min

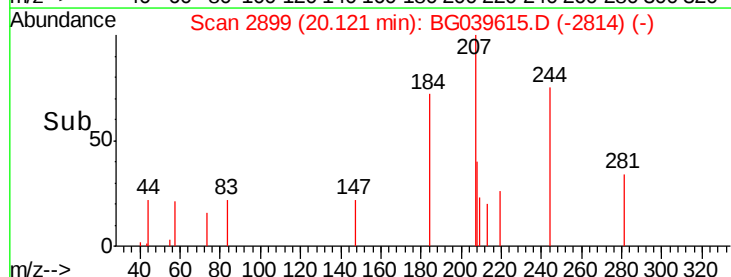
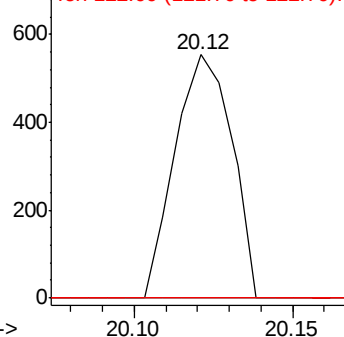
Lab File: BG039615.D

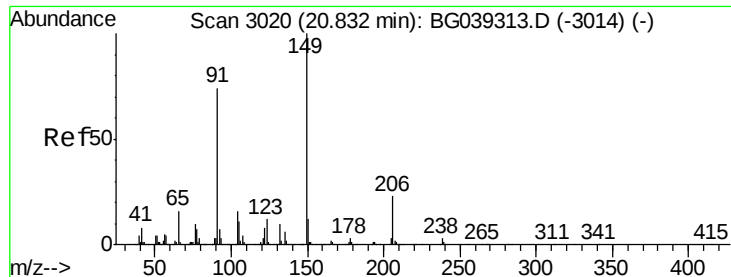
Acq: 27 Feb 2019 1:17

Tgt Ion:	244	Resp:	686
Ion	Ratio	Lower	Upper
244	100		
212	0.0	7.3	10.9#
122	0.0	8.4	12.6#



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

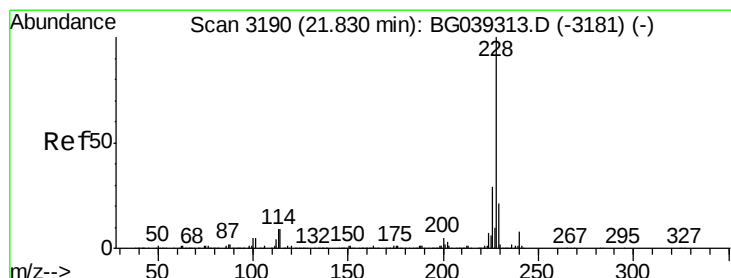
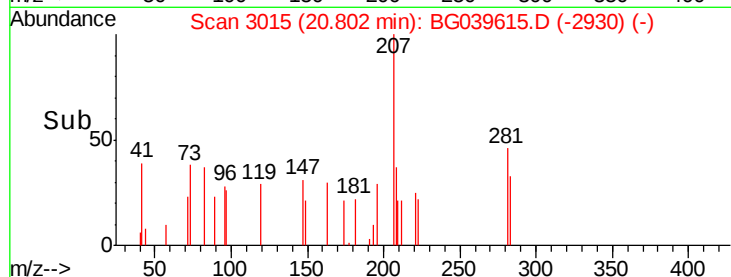
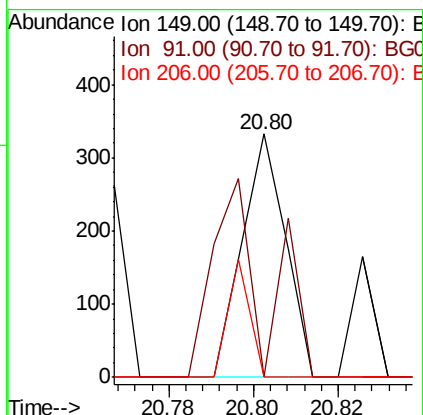
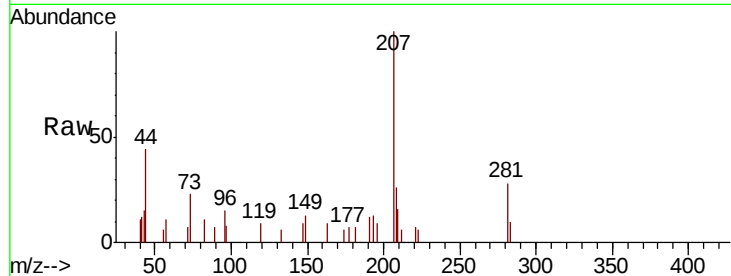




#80
Butylbenzylphthalate
Concen: 70.763 ng
RT: 20.80 min Scan# 3015
Delta R.T. -0.03 min
Lab File: BG039615.D
Acq: 27 Feb 2019 1:17

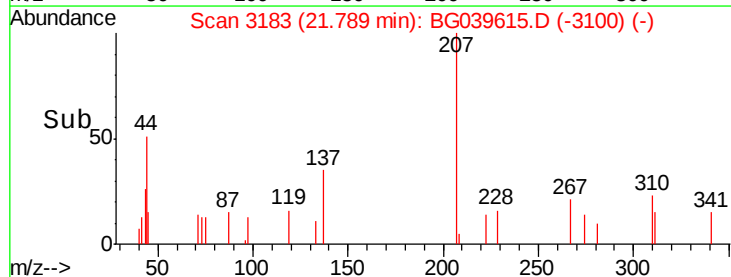
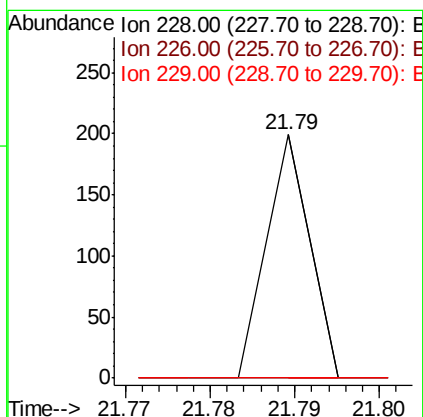
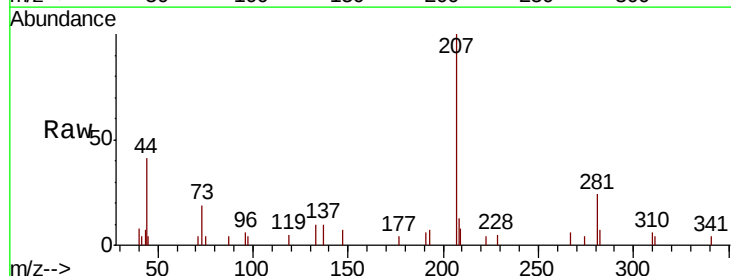
Instrument :
BNA_G
ClientSampleId :
DFTPP

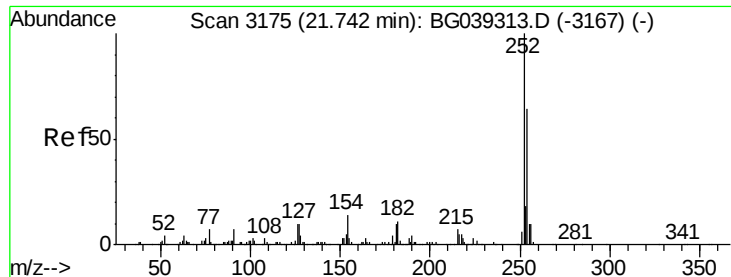
Tgt Ion	Ratio	Lower	Upper
149	100		
91	0.0	59.5	89.3#
206	0.0	18.6	27.8#



#81
Benzo(a)anthracene
Concen: 9.328 ng
RT: 21.79 min Scan# 3183
Delta R.T. -0.04 min
Lab File: BG039615.D
Acq: 27 Feb 2019 1:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.0	34.6#
229	0.0	16.9	25.3#





#82

3,3'-Dichlorobenzidine

Concen: 265.942 ng

RT: 21.72 min Scan# 3172

Delta R.T. -0.02 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Instrument :

BNA_G

ClientSampleId :

DFTPP

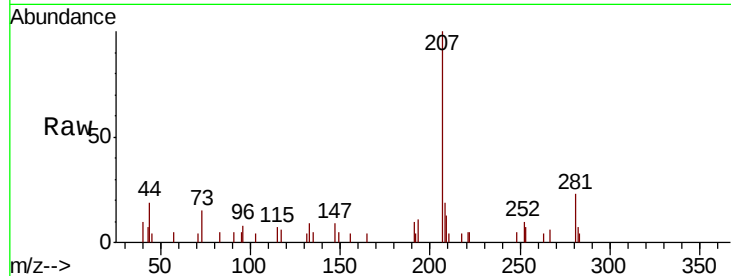
Tgt Ion:252 Resp: 740

Ion Ratio Lower Upper

252 100

254 0.0 51.3 76.9#

126 0.0 8.0 12.0#

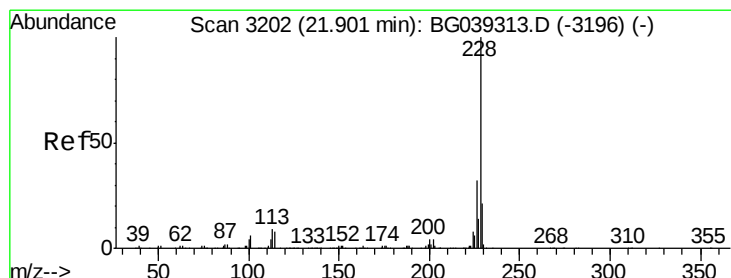
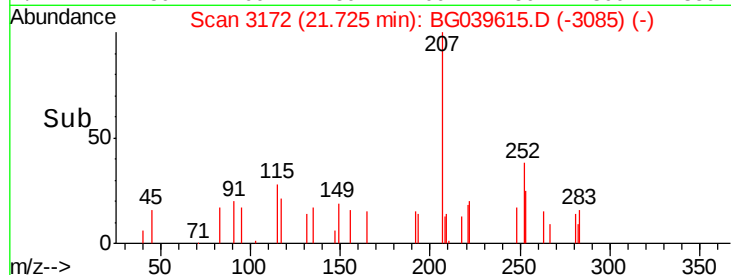
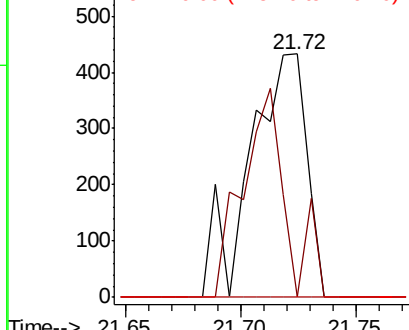


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 46.475 ng

RT: 21.87 min Scan# 3197

Delta R.T. -0.03 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

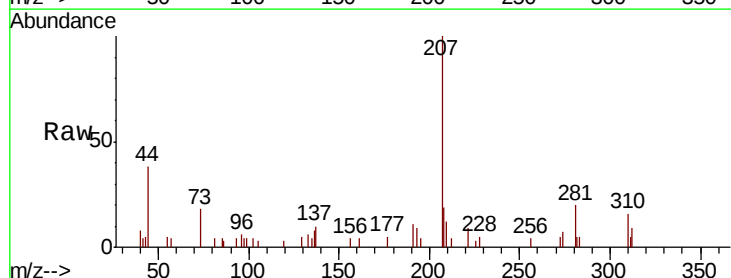
Tgt Ion:228 Resp: 332

Ion Ratio Lower Upper

228 100

226 61.1 25.8 38.6#

229 0.0 16.6 25.0#

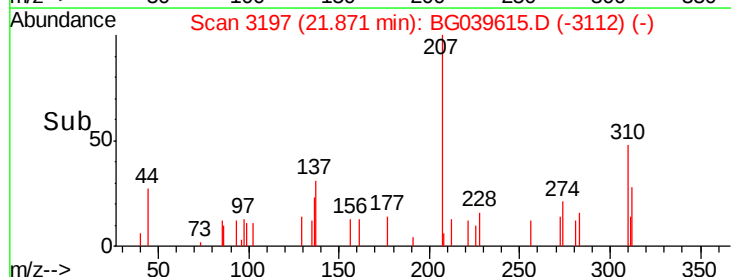
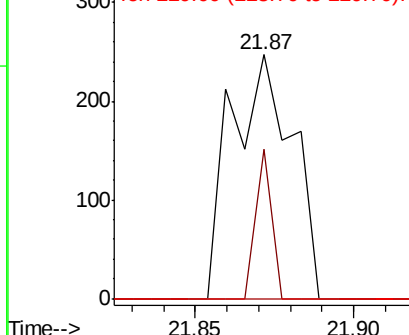


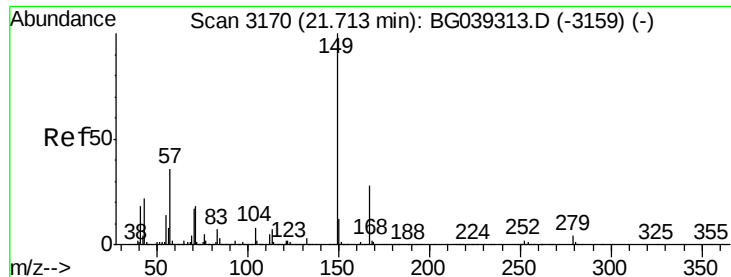
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 935.063 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.05 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Instrument :

BNA_G

ClientSampleId :

DFTPP

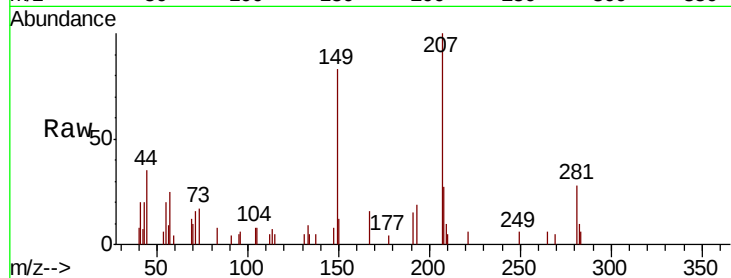
Tgt Ion:149 Resp: 4449

Ion Ratio Lower Upper

149 100

167 19.8 22.6 34.0#

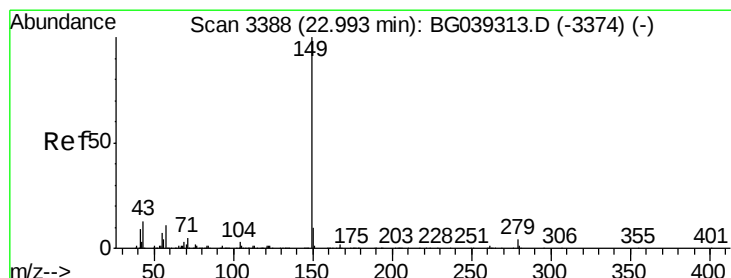
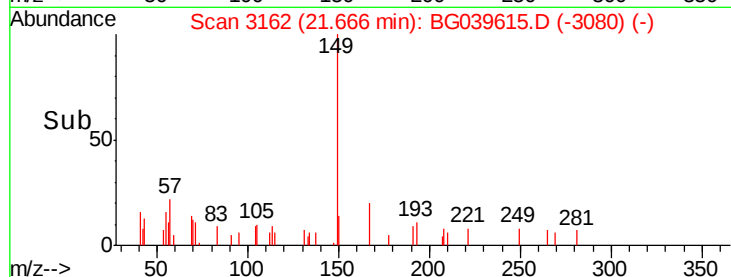
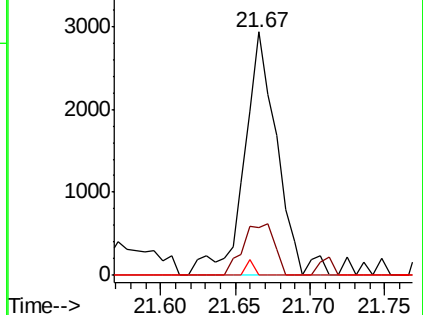
279 0.0 3.5 5.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 9.923 ng

RT: 22.96 min Scan# 3383

Delta R.T. -0.03 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

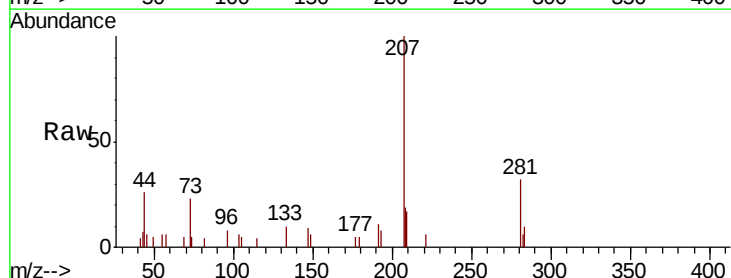
Tgt Ion:149 Resp: 78

Ion Ratio Lower Upper

149 100

167 70.5 1.3 1.9#

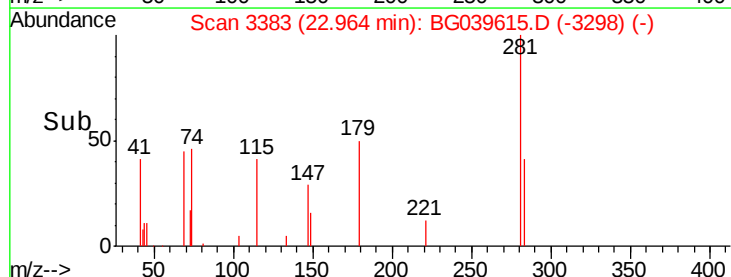
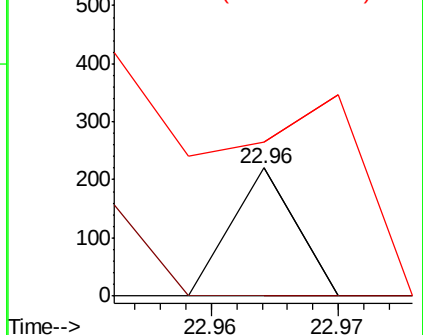
43 0.0 10.2 15.4#

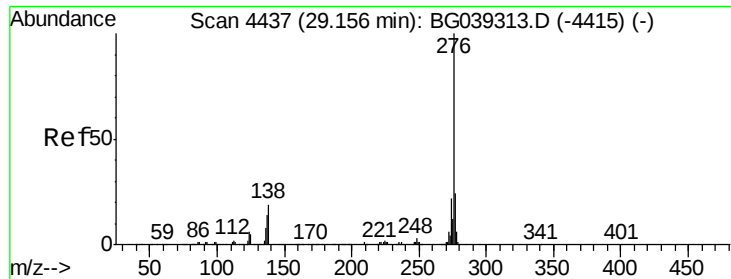


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#86

Indeno(1,2,3-cd)pyrene

Concen: 8.089 ng

RT: 28.60 min Scan# 4343

Delta R.T. -0.55 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

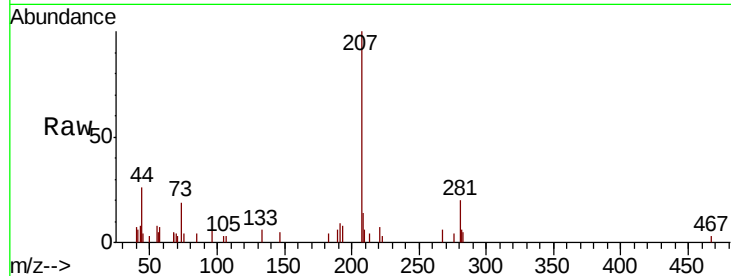
Instrument :

BNA_G

ClientSampleId :

DFTPP

Tgt Ion:	276	Resp:	62
Ion Ratio	Lower	Upper	
276	100		
138	0.0	12.6	19.0#
277	0.0	20.8	31.2#



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

28.60

200

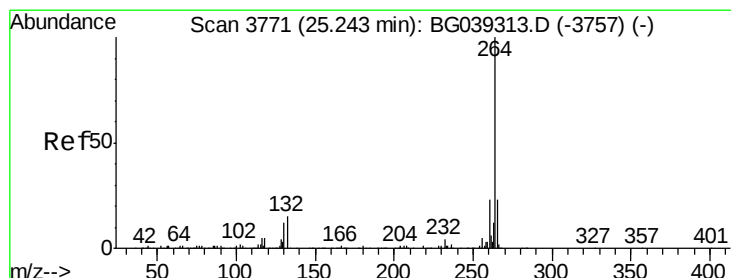
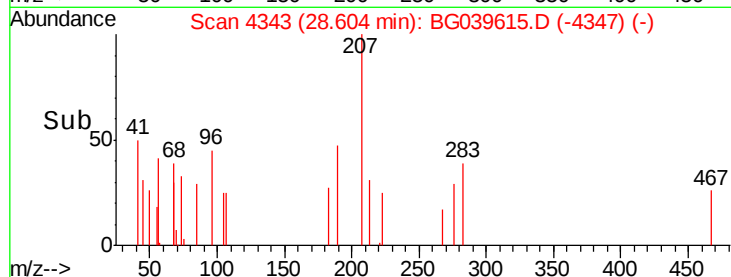
150

100

50

0

Time--> 28.59 28.60 28.61 28.62



#87

Perylene-d12

Concen: 20.000 ng

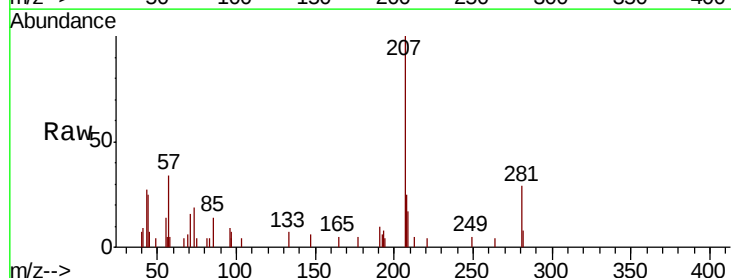
RT: 25.21 min Scan# 3765

Delta R.T. -0.04 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Tgt Ion:	264	Resp:	63
Ion Ratio	Lower	Upper	
264	100		
260	0.0	18.2	27.4#
265	0.0	18.5	27.7#



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

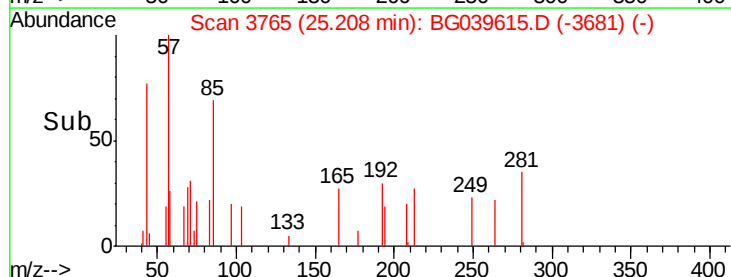
300

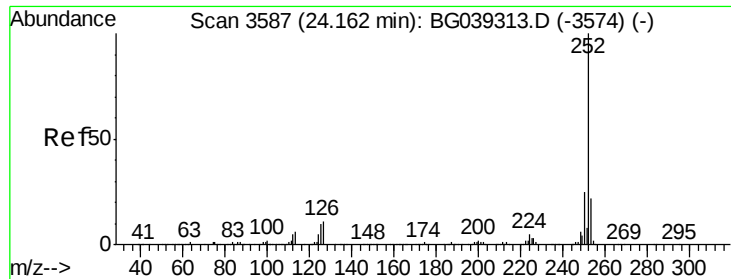
200

100

0

Time--> 25.20 25.21 25.22





#88

Benzo(b)fluoranthene

Concen: 89.646 ng

RT: 24.14 min Scan# 3584

Delta R.T. -0.02 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Instrument :

BNA_G

ClientSampleId :

DFTPP

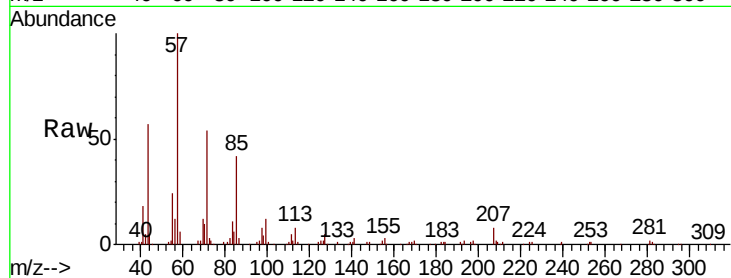
Tgt Ion:252 Resp: 308

Ion Ratio Lower Upper

252 100

253 114.6 17.8 26.8#

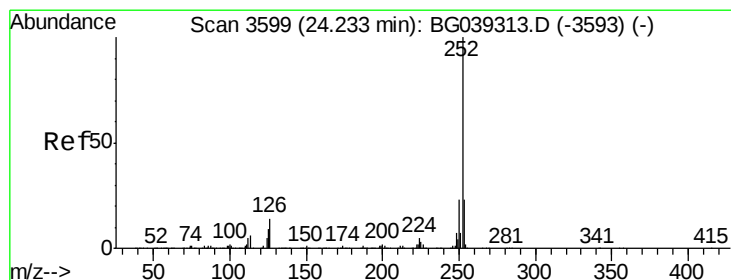
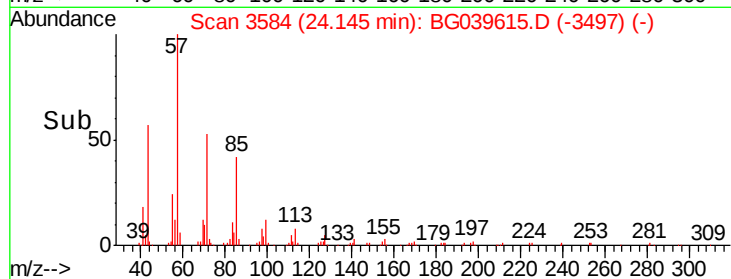
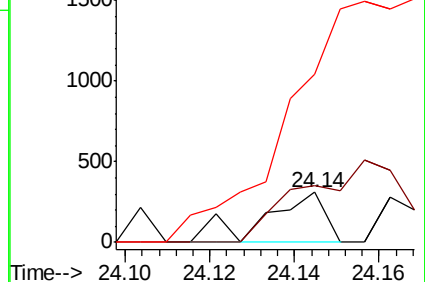
125 337.2 7.8 11.6#



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: 16.235 ng

RT: 24.22 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

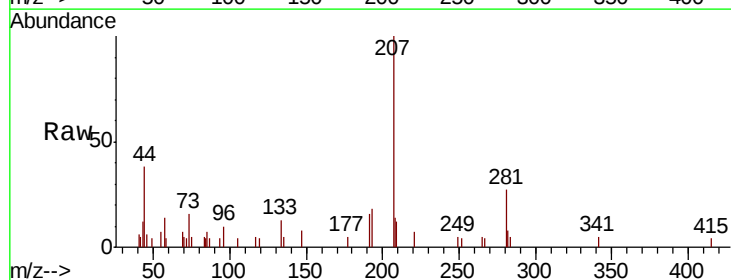
Tgt Ion:252 Resp: 56

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.2#

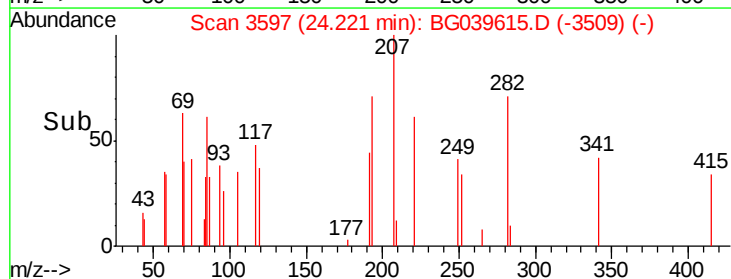
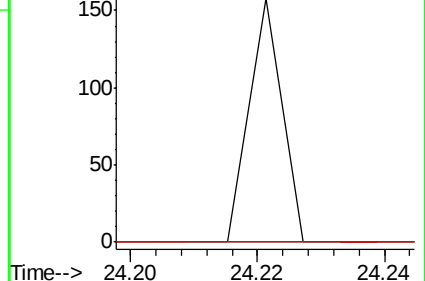
125 0.0 7.4 11.2#

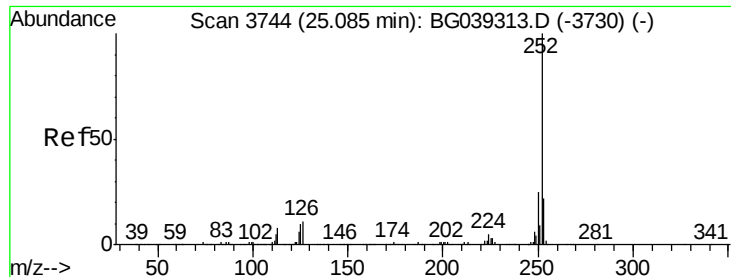


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 19.040 ng

RT: 25.03 min Scan# 3735

Delta R.T. -0.05 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

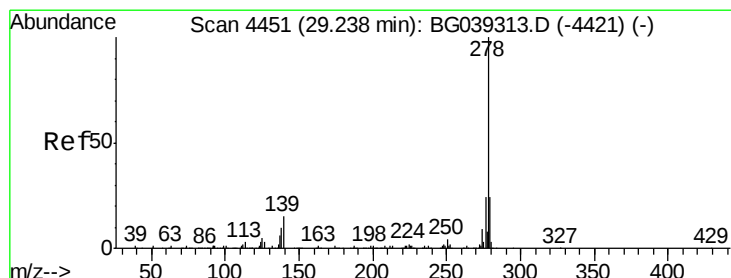
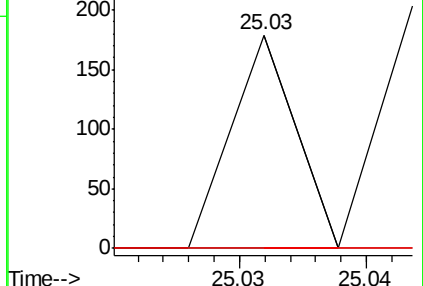
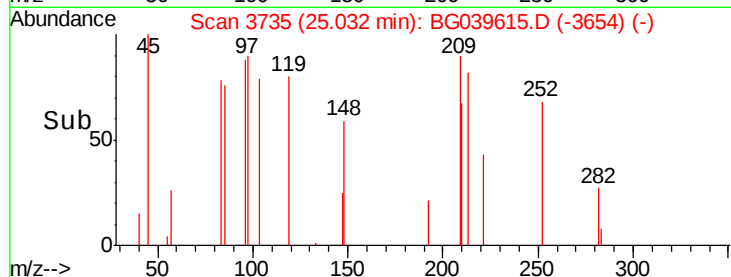
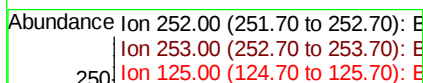
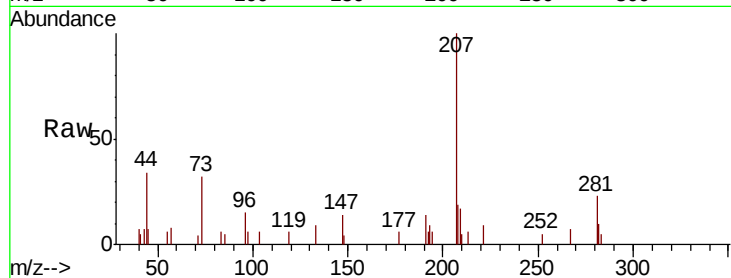
Instrument :

BNA_G

ClientSampleId :

DFTPP

Tgt Ion:	252	Resp:	63
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.9	26.9#
125	0.0	8.3	12.5#



#91

Dibenzo(a,h)anthracene

Concen: 20.331 ng

RT: 29.64 min Scan# 4520

Delta R.T. 0.41 min

Lab File: BG039615.D

Acq: 27 Feb 2019 1:17

Tgt Ion:	278	Resp:	63
Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.7	17.5#
279	0.0	19.1	28.7#

