

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032017\
 Data File : BG026336.D
 Acq On : 20 Mar 2017 21:04
 Operator : SJ/MA
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Mar 21 01:13:14 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 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	-8.05
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.85
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.66
63) Phenanthrene-d10	17.45	188	61	20.00	ng	0.06
75) Chrysene-d12	21.64	240	405	20.00	ng	0.00
86) Perylene-d12	24.82	264	97	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	8.97	82	53	0.00	ng	-0.24
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	19.98	244	119	7.14	ng	0.00

Target Compounds

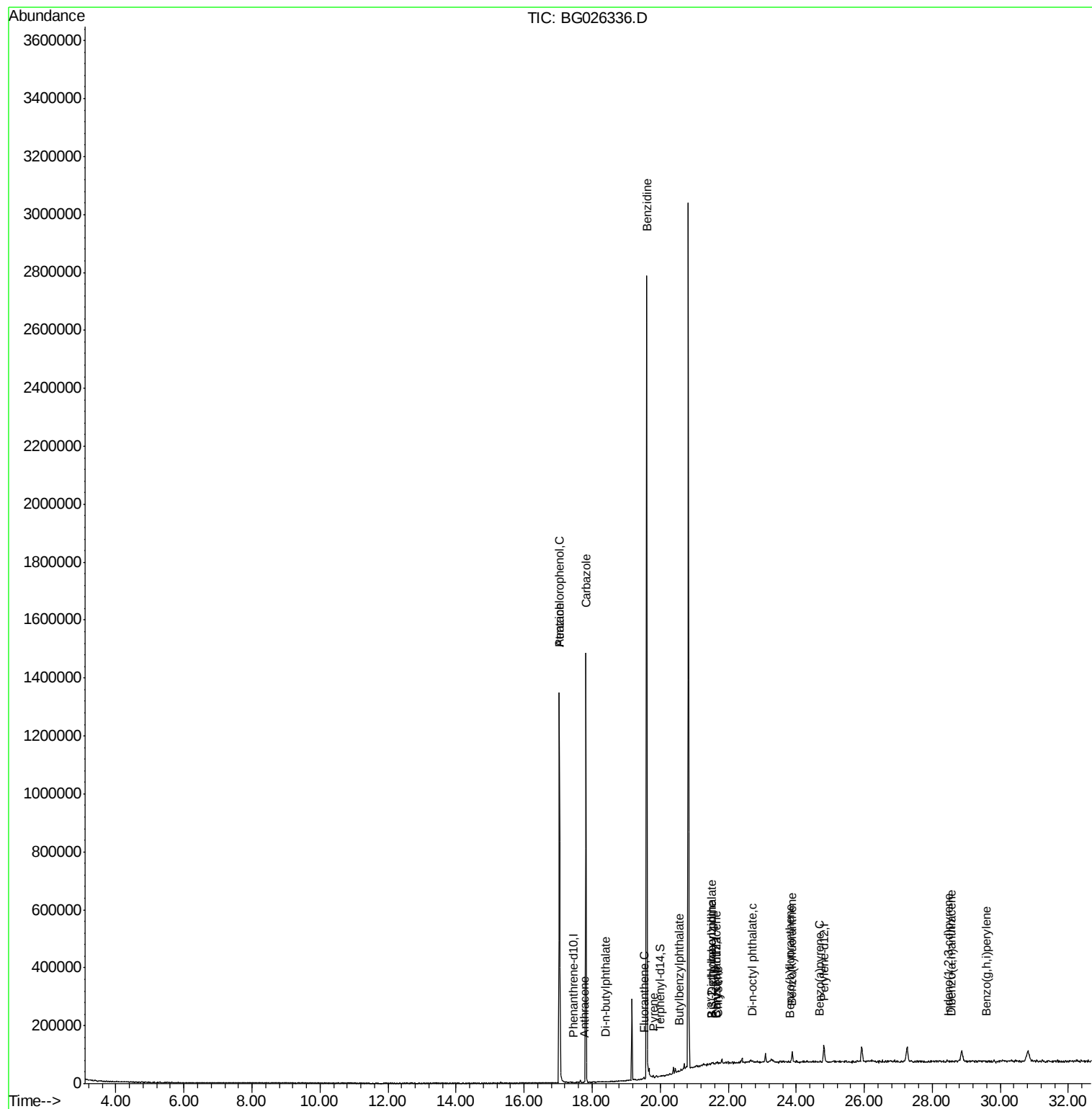
						Qvalue
68) Atrazine	17.04	200	50970	75206.41	ng	# 36
69) Pentachlorophenol	17.04	266	272375	625499.82	ng	95
71) Anthracene	17.77	178	54	16.16	ng	# 58
72) Carbazole	17.82	167	9453	2747.06	ng	# 79
73) Di-n-butylphthalate	18.41	149	61	17.25	ng	# 73
74) Fluoranthene	19.53	202	63	16.36	ng	# 61
76) Benzidine	19.60	184	1633416	116975.47	ng	99
77) Pyrene	19.80	202	81	3.45	ng	# 53
79) Butylbenzylphthalate	20.56	149	506	53.93	ng	# 19
80) Benzo(a)anthracene	21.64	228	526	23.08	ng	# 42
81) 3,3'-Dichlorobenzidine	21.51	252	61	6.54	ng	# 24
82) Chrysene	21.70	228	247	11.34	ng	# 46
83) Bis(2-ethylhexyl)phthalate	21.51	149	1525	107.61	ng	# 87
84) Di-n-octyl phthalate	22.72	149	120	4.96	ng	# 56
85) Indeno(1,2,3-cd)pyrene	28.47	276	63	2.34	ng	# 55
87) Benzo(b)fluoranthene	23.82	252	215	37.60	ng	# 1
88) Benzo(k)fluoranthene	23.89	252	787	141.92	ng	# 9
89) Benzo(a)pyrene	24.69	252	380	69.29	ng	# 1
90) Dibenzo(a,h)anthracene	28.56	278	61	11.01	ng	# 58
91) Benzo(a,h,i)perylene	29.58	276	130	23.28	ng	# 59

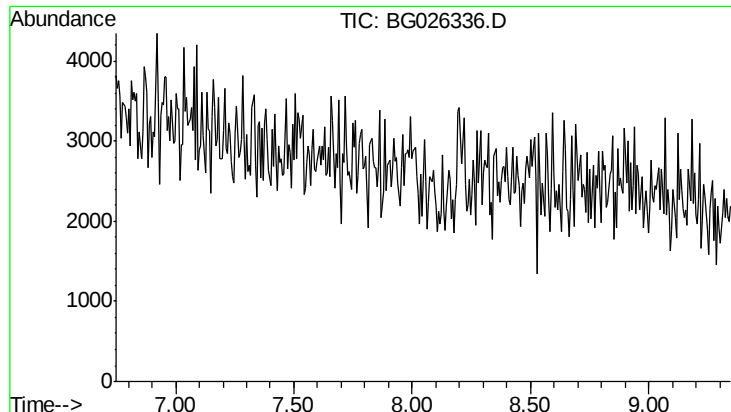
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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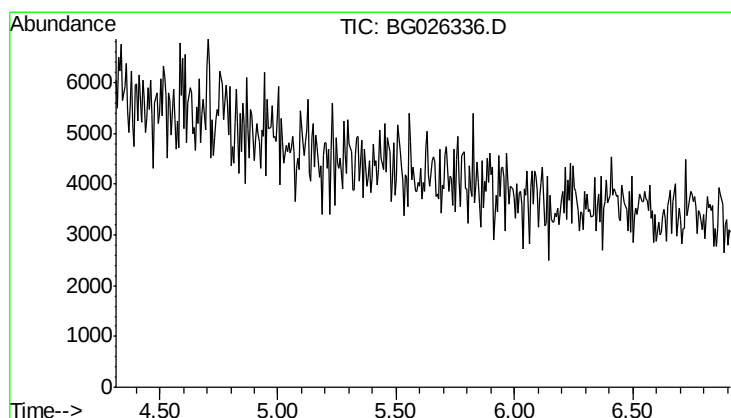
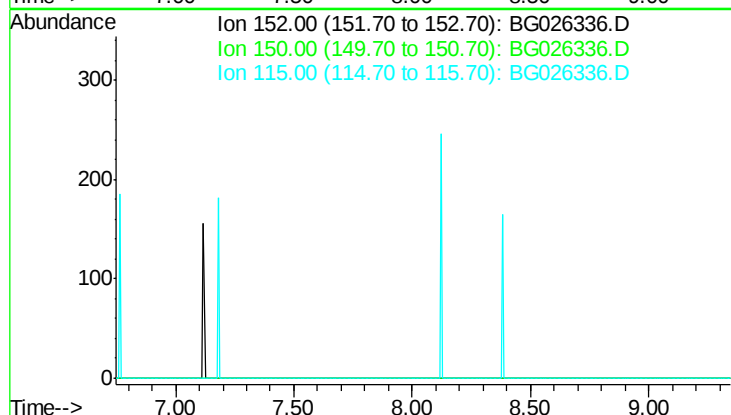




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 8.05 min
 Lab File: BG026336.D
 Acq: 20 Mar 2017 21:04

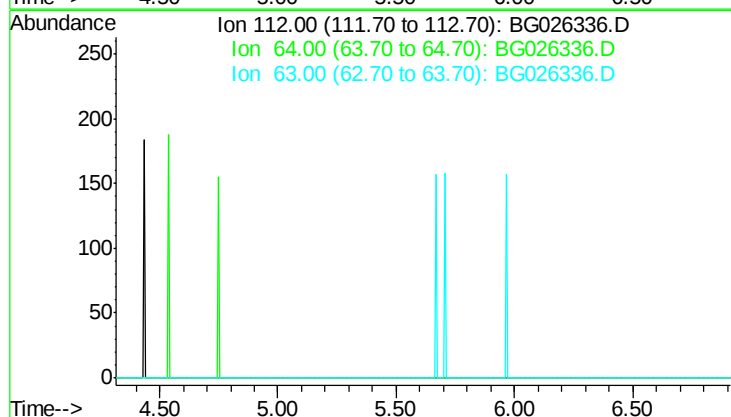
Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

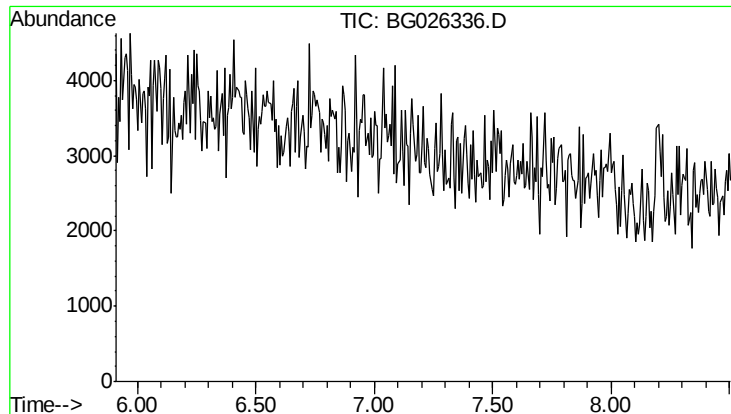
Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 142.5
 115 60.1



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.61 min
 Lab File: BG026336.D
 Acq: 20 Mar 2017 21:04

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 77.2
 63 46.5





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 7.21 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampleId :

DFTPP

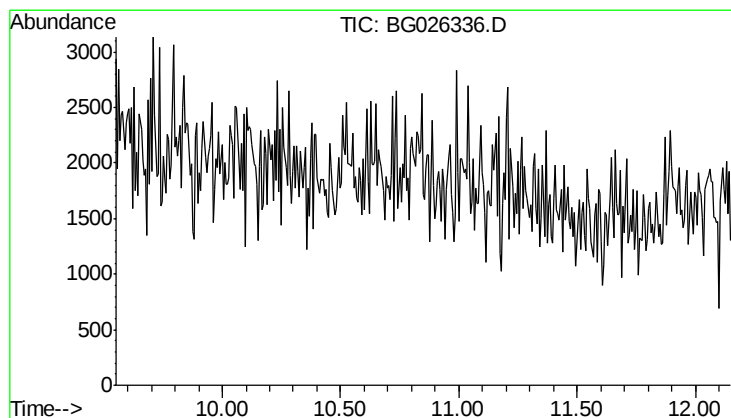
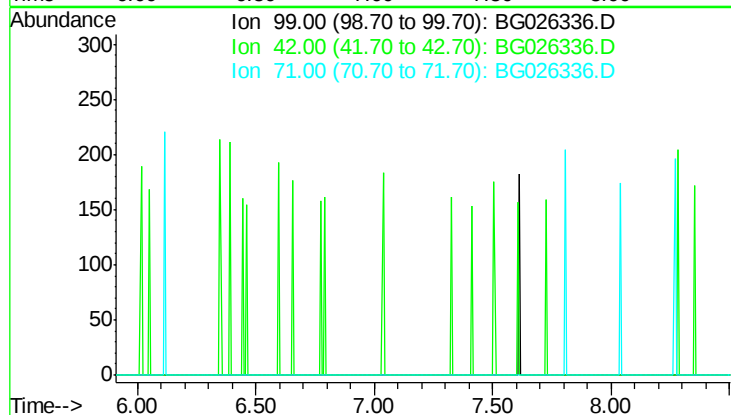
Tot Ion: 99

Sig Exp Ratio

99 100

42 25.6

71 47.0



#21

Naphthalene-d8

Concen: 0.00 ng

Expected RT: 10.85 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Tgt Ion: 136

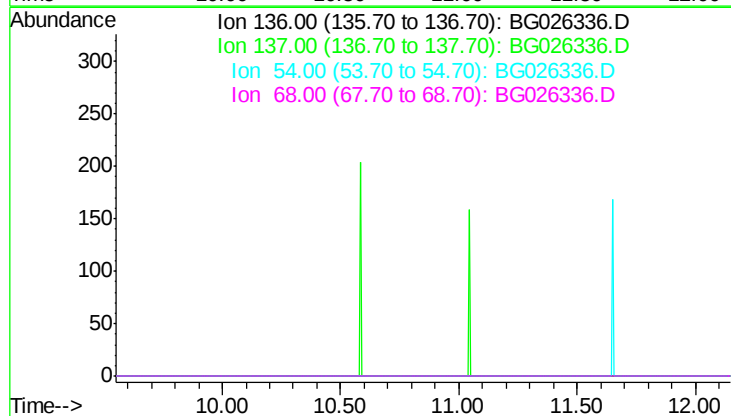
Sig Exp Ratio

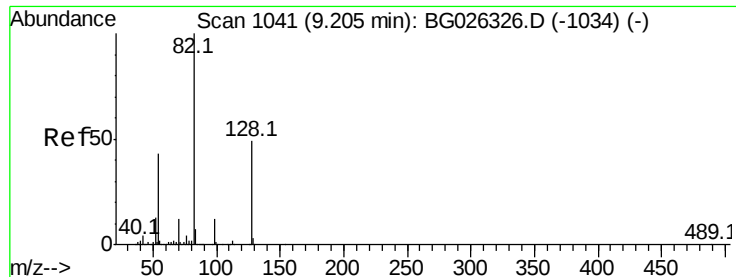
136 100

137 11.1

54 11.6

68 6.4

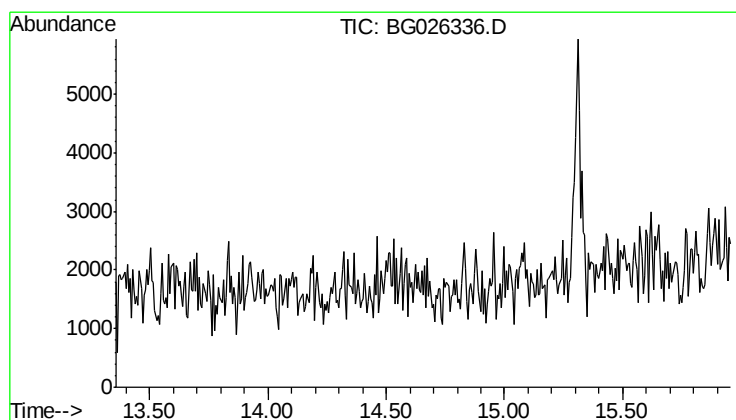
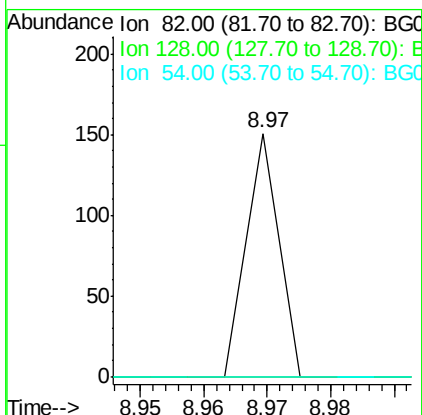
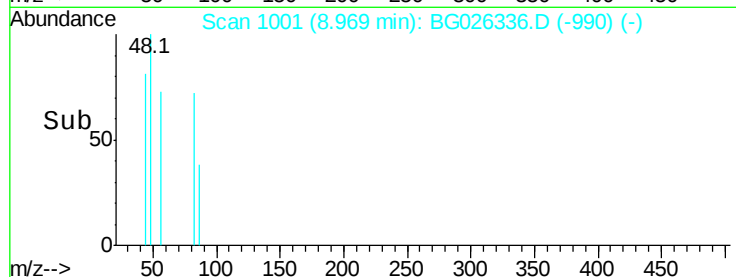
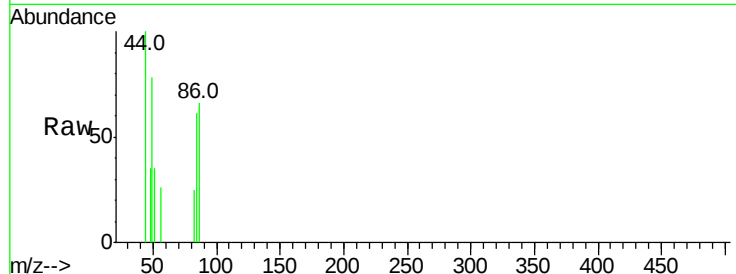




#23
Nitrobenzene-d5
Concen: 0.00 ng
RT: 8.97 min Scan# 1001
Delta R.T. -0.24 min
Lab File: BG026336.D
Acq: 20 Mar 2017 21:04

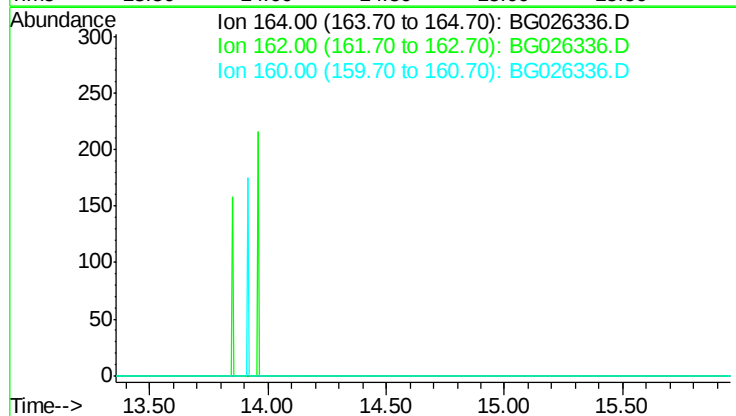
Instrument :
BNA_G
ClientSampleId :
DFTPP

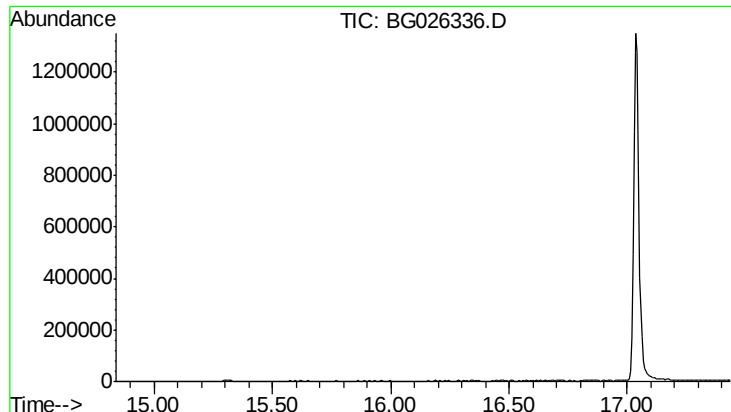
Tot Ion	Ion	Ratio	Lower	Upper
82	100			
128	0.0	26.4	39.6#	
54	0.0	49.4	74.2#	



#38
Acenaphthene-d10
Concen: 0.00 ng
Expected RT: 14.66 min
Lab File: BG026336.D
Acq: 20 Mar 2017 21:04

Tgt Ion	Sig	Exp Ratio
164	100	
162	106.4	
160	43.4	





#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 16.14 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampleId :

DFTPP

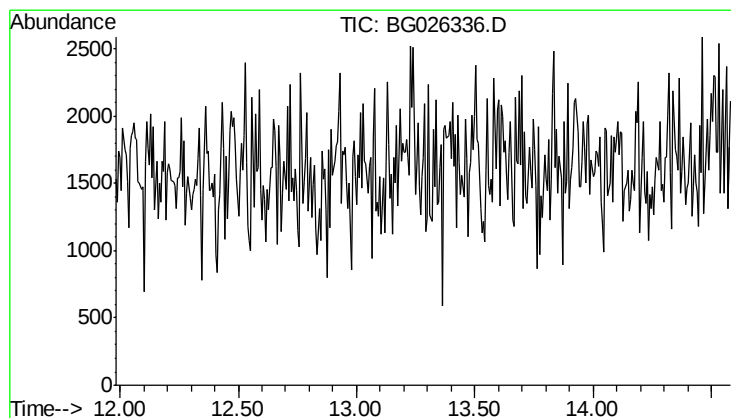
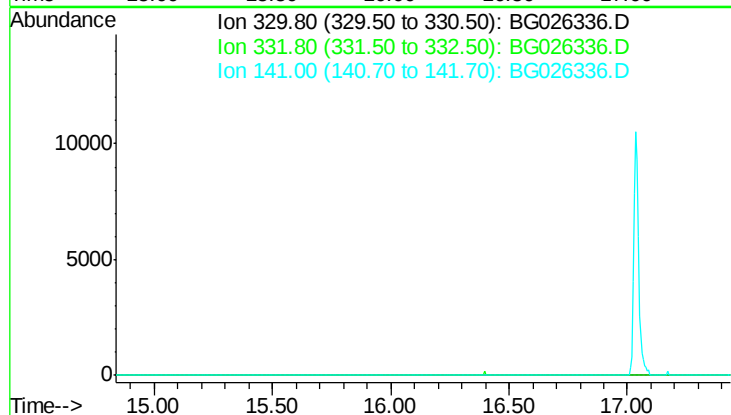
Tot Ion: 330

Sig Exp Ratio

330 100

332 96.6

141 40.1



#44

2-Fluorobiphenyl

Concen: 0.00 ng

Expected RT: 13.28 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

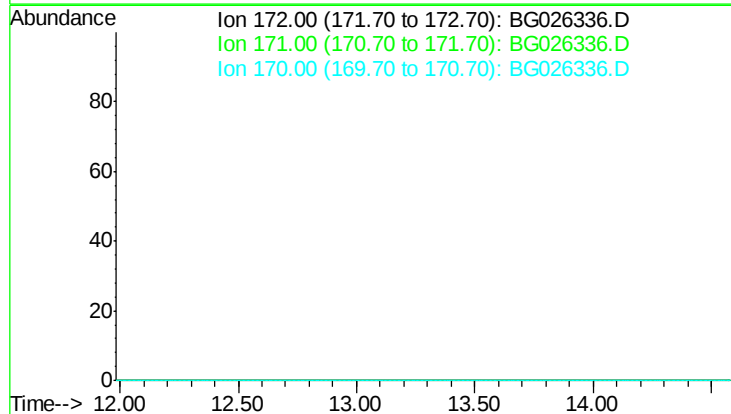
Tgt Ion: 172

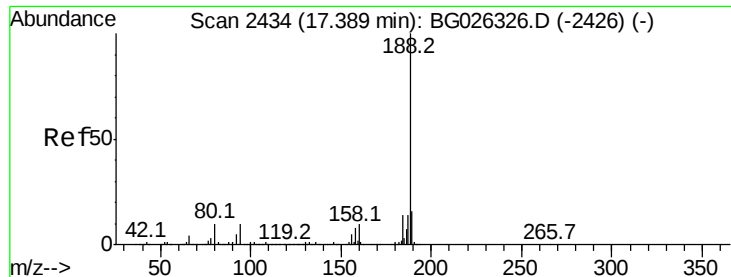
Sig Exp Ratio

172 100

171 40.2

170 27.2

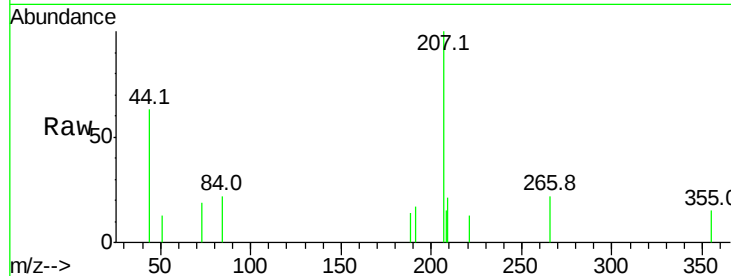




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.45 min Scan# 2444
Delta R.T. 0.06 min
Lab File: BG026336.D
Acq: 20 Mar 2017 21:04

Instrument :
BNA_G
ClientSampleId :
DFTPP

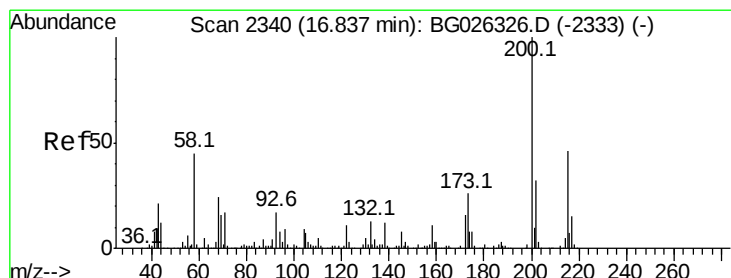
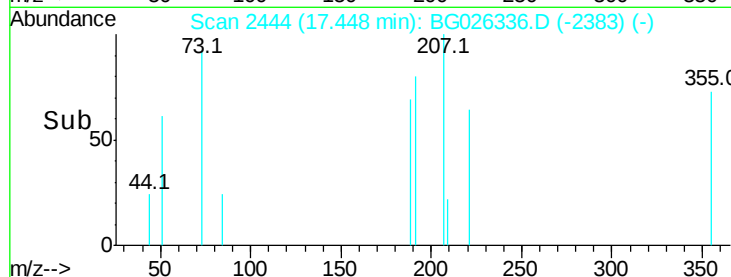
Tot Ion:188 Resp: 61
Ion Ratio Lower Upper
188 100
94 0.0 5.8 8.8#
80 0.0 7.5 11.3#



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

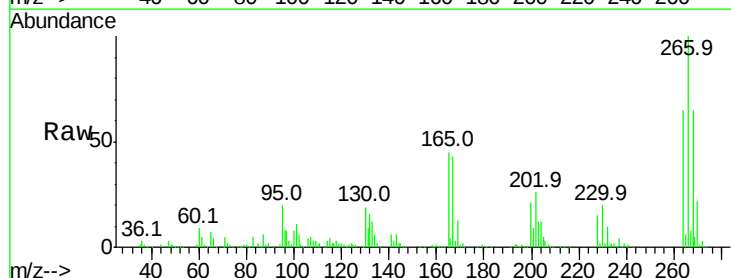
17.45

Time-->



#68
Atrazine
Concen: 75206.41 ng
RT: 17.04 min Scan# 2374
Delta R.T. 0.20 min
Lab File: BG026336.D
Acq: 20 Mar 2017 21:04

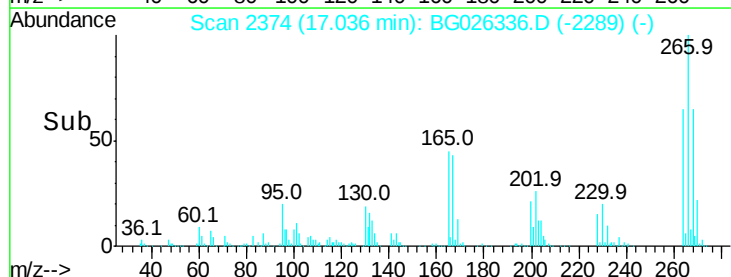
Tgt Ion:200 Resp: 50970
Ion Ratio Lower Upper
200 100
173 0.0 3.0 43.0#
215 0.0 28.4 68.4#

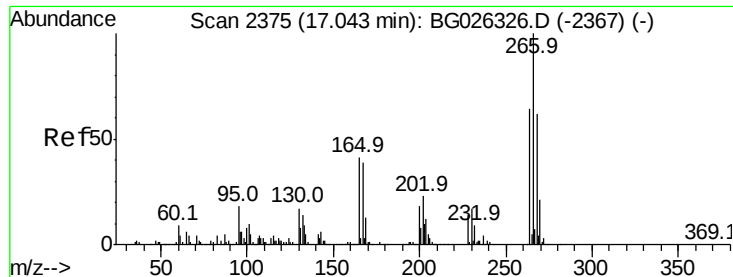


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

17.04

Time-->

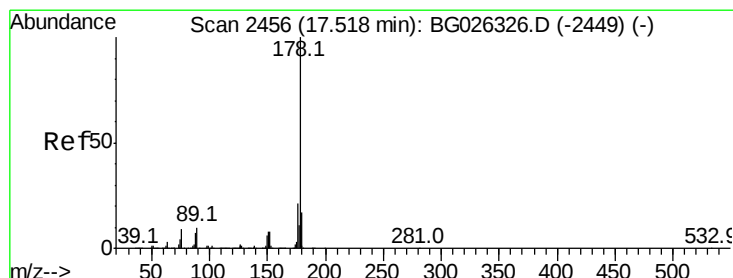
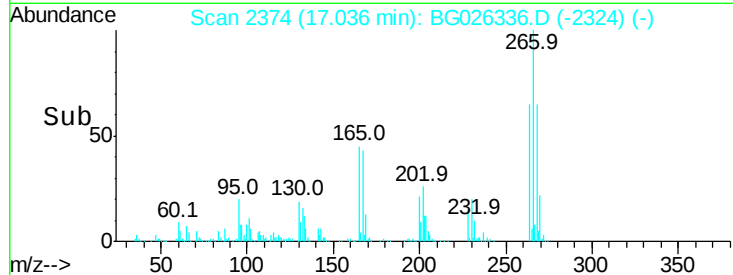
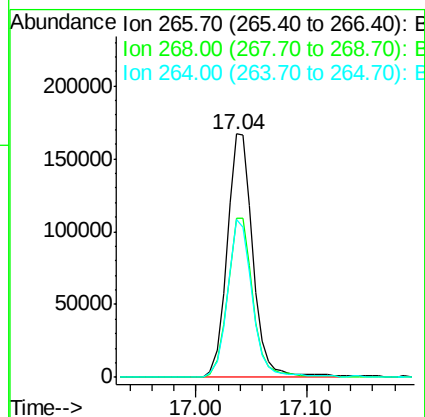
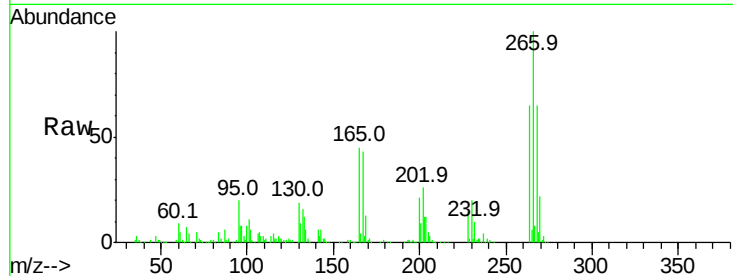




#69
 Pentachlorophenol
 Concen: 625499.82 ng
 RT: 17.04 min Scan# 2374
 Delta R.T. -0.01 min
 Lab File: BG026336.D
 Acq: 20 Mar 2017 21:04

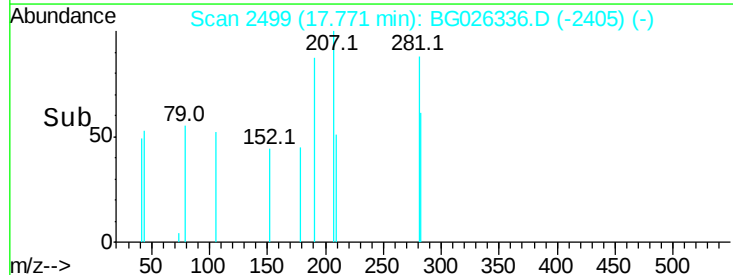
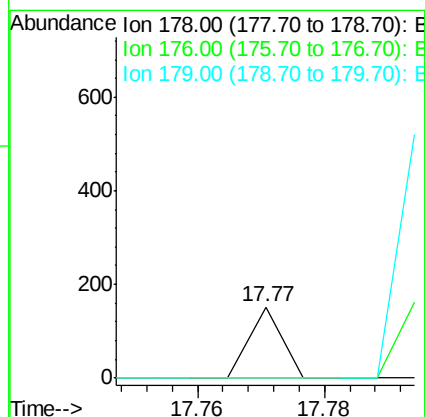
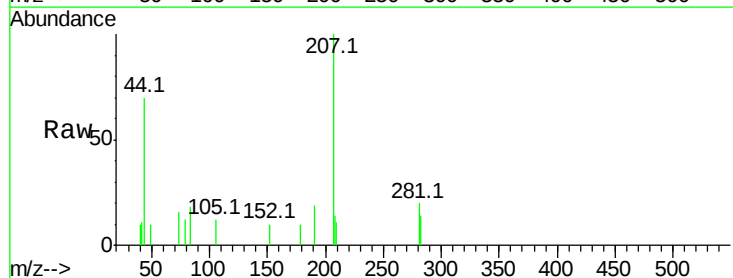
Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

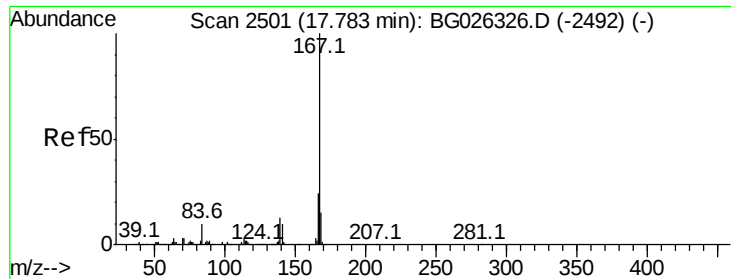
Tot Ion	Ratio	Lower	Upper
266	100		
268	65.4	48.6	72.8
264	64.9	50.1	75.1



#71
 Anthracene
 Concen: 16.16 ng
 RT: 17.77 min Scan# 2499
 Delta R.T. 0.25 min
 Lab File: BG026336.D
 Acq: 20 Mar 2017 21:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	16.4	24.6#
179	0.0	13.8	20.8#





#72

Carbazole

Concen: 2747.06 ng

RT: 17.82 min Scan# 2507

Delta R.T. 0.03 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampleId :

DFTPP

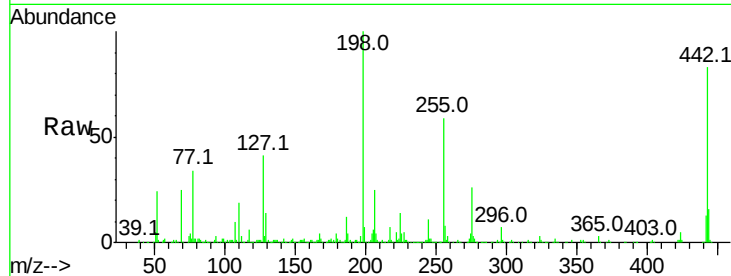
Tot Ion:167 Resp: 9453

Ion Ratio Lower Upper

167 100

166 18.5 20.2 30.2#

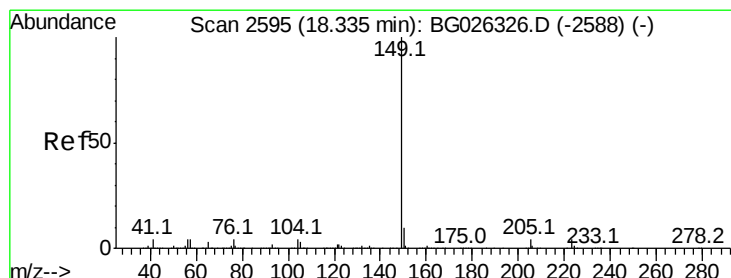
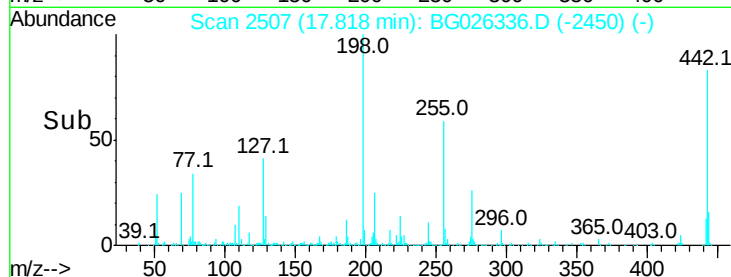
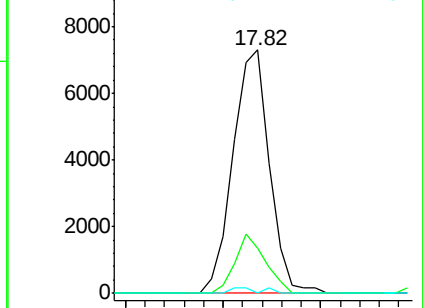
139 2.1 12.8 19.2#



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



#73

Di-n-butylphthalate

Concen: 17.25 ng

RT: 18.41 min Scan# 2607

Delta R.T. 0.07 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

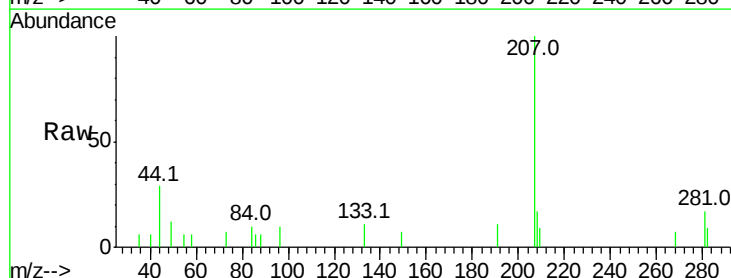
Tgt Ion:149 Resp: 61

Ion Ratio Lower Upper

149 100

150 0.0 9.1 13.7#

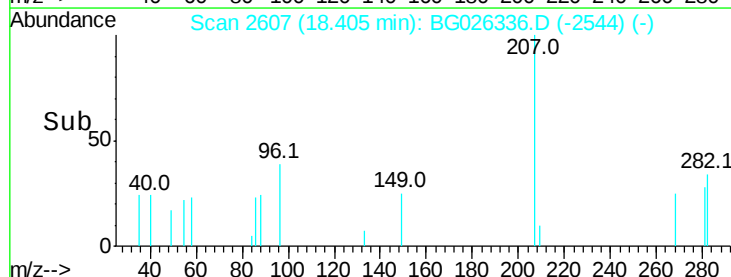
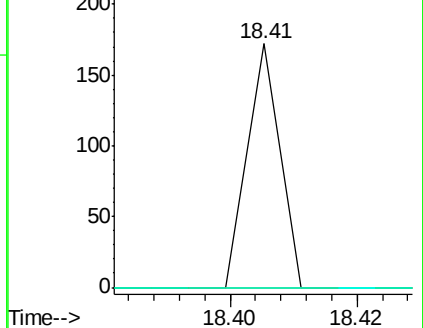
104 0.0 6.7 10.1#

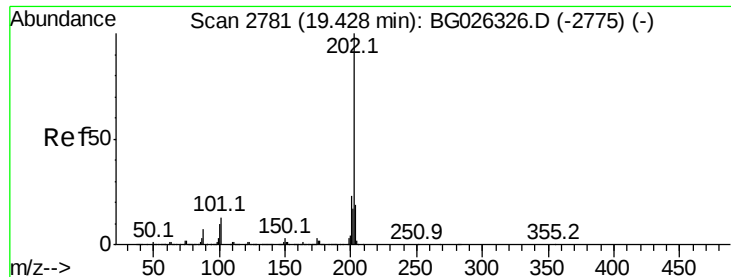


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 16.36 ng

RT: 19.53 min Scan# 2799

Delta R.T. 0.11 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

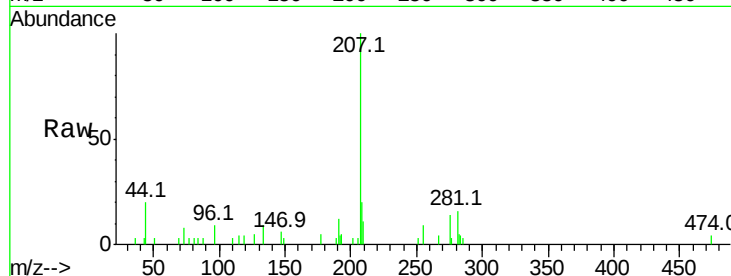
Instrument :

BNA_G

ClientSampleId :

DFTPP

Tot Ion:	202	Resp:	63
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	30.1
203	0.0	1.3	41.3#



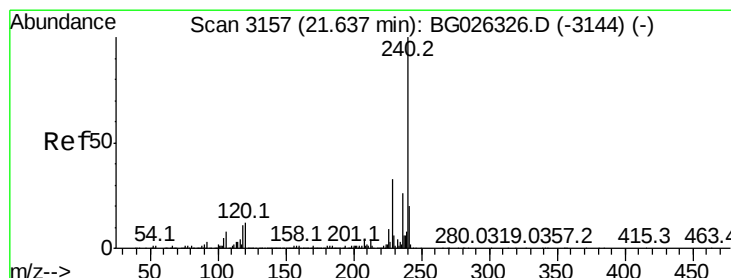
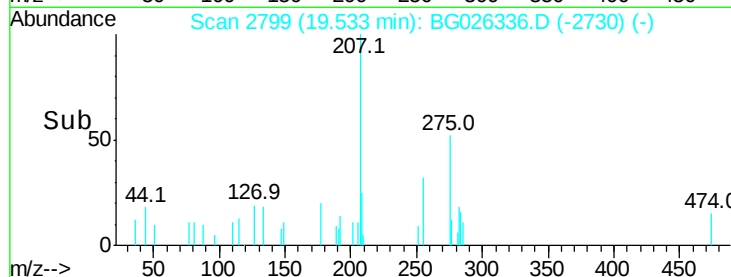
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.53

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

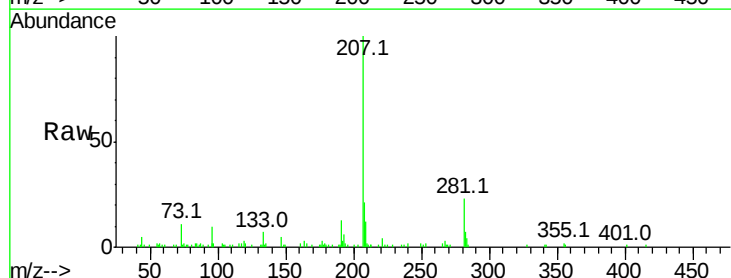
RT: 21.64 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Tgt Ion:	240	Resp:	405
Ion	Ratio	Lower	Upper
240	100		
120	80.6	5.7	8.5#
236	0.0	22.2	33.4#



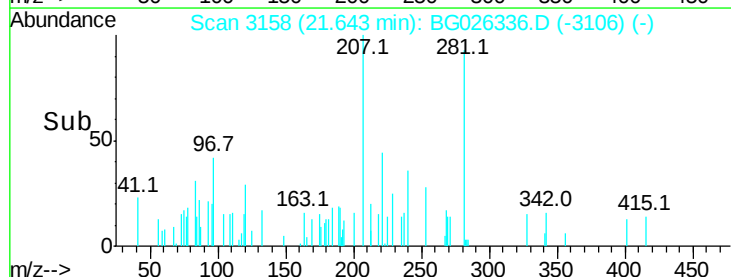
Abundance Ion 240.00 (239.70 to 240.70): E

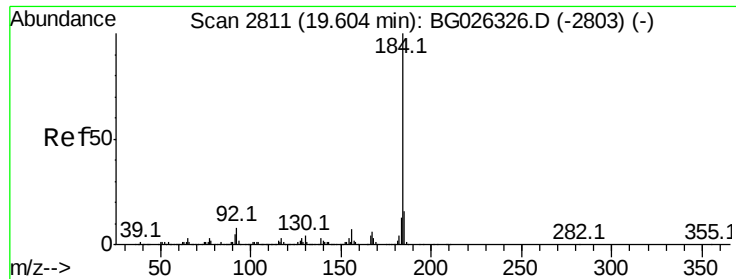
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.64

Time-->





#76

Benzidine

Concen: 116975.47 ng

RT: 19.60 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampleId :

DFTPP

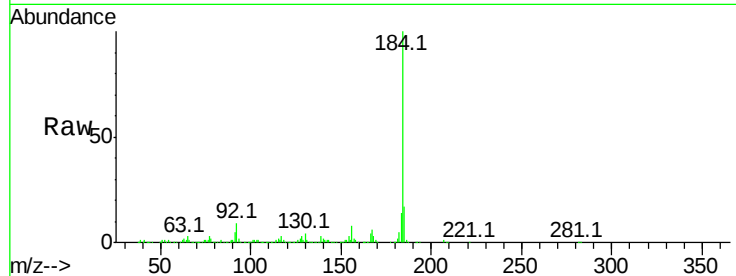
Tot Ion:184 Resp: 1633416

Ion Ratio Lower Upper

184 100

185 17.3 13.0 19.6

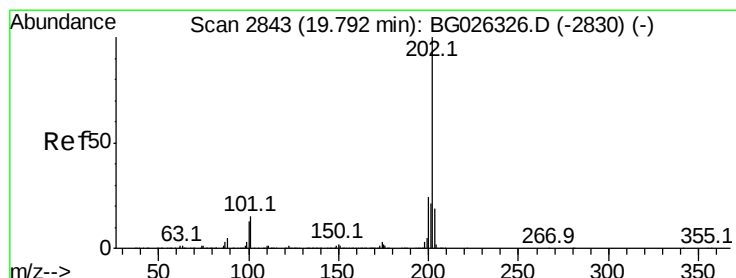
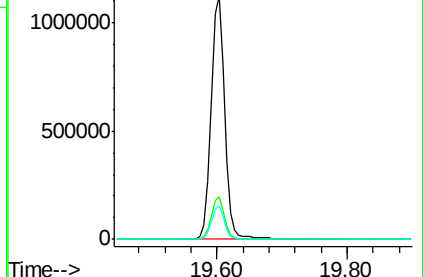
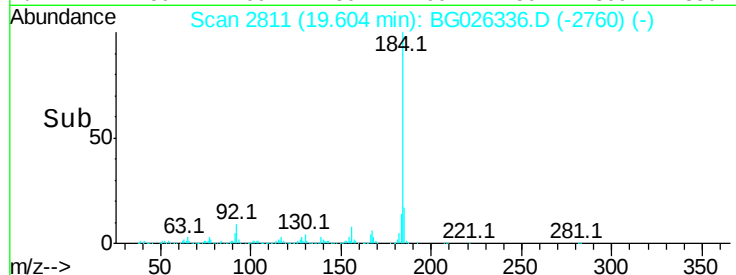
183 13.7 11.0 16.6



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



#77

Pyrene

Concen: 3.45 ng

RT: 19.80 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

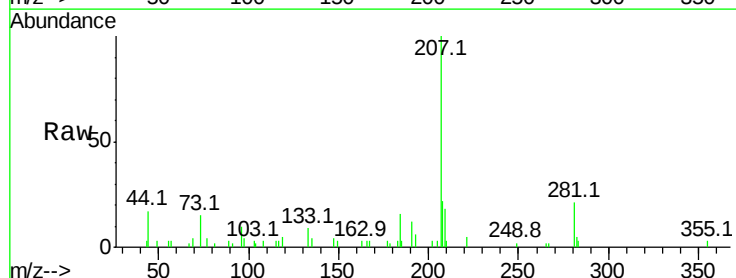
Tgt Ion:202 Resp: 81

Ion Ratio Lower Upper

202 100

200 0.0 19.6 29.4#

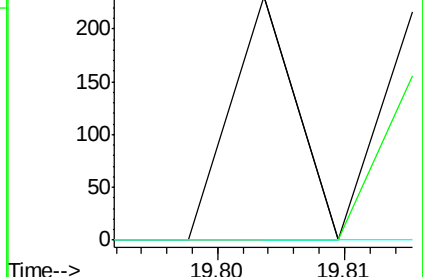
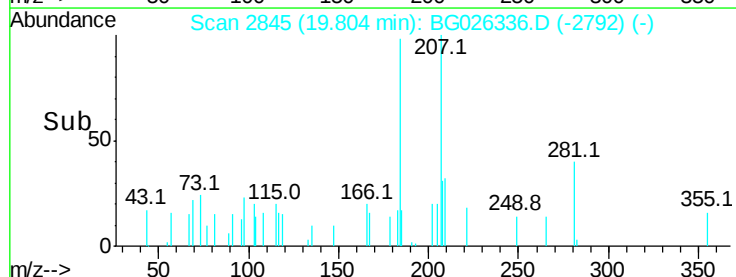
203 0.0 15.8 23.8#

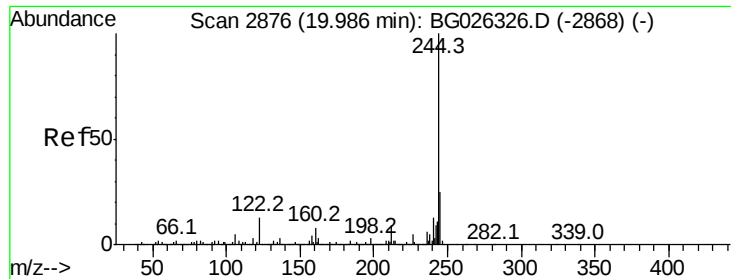


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 7.14 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampleId :

DFTPP

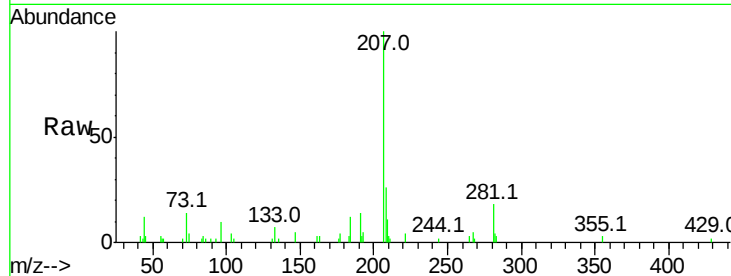
Tot Ion:244 Resp: 119

Ion Ratio Lower Upper

244 100

212 0.0 10.0 15.0#

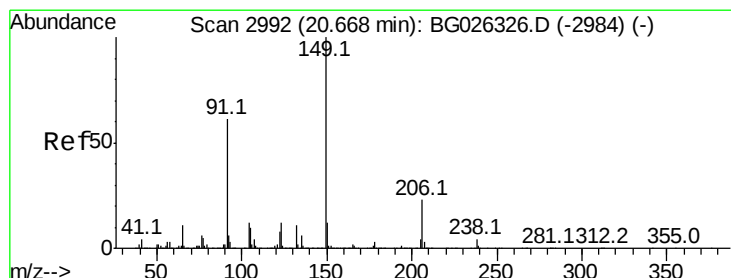
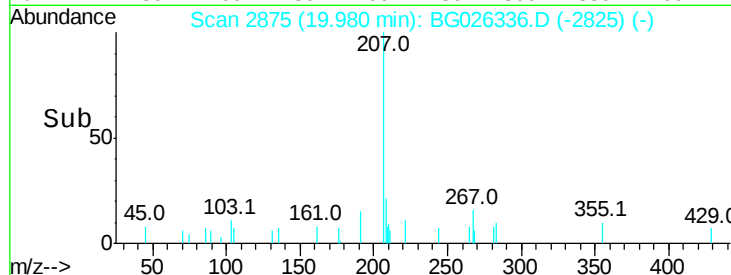
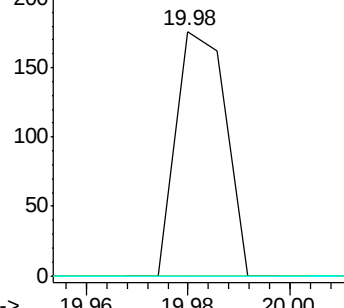
122 0.0 8.6 12.8#



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



#79

Butylbenzylphthalate

Concen: 53.93 ng

RT: 20.56 min Scan# 2973

Delta R.T. -0.11 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

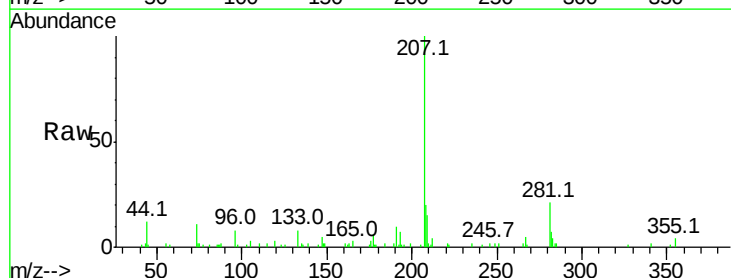
Tgt Ion:149 Resp: 506

Ion Ratio Lower Upper

149 100

91 0.0 63.5 95.3#

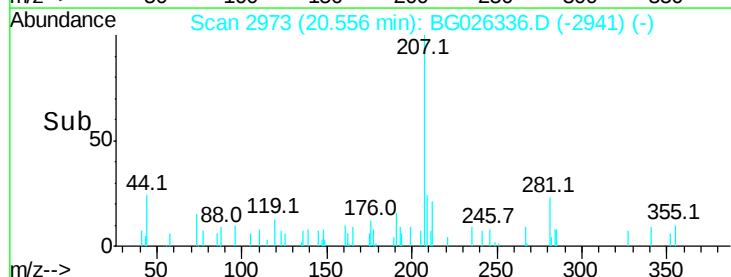
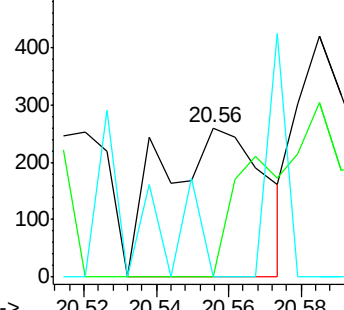
206 0.0 21.0 31.6#

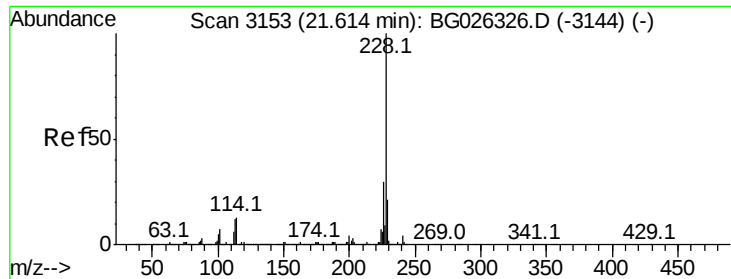


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 23.08 ng

RT: 21.64 min Scan# 3157

Delta R.T. 0.02 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampleId :

DFTPP

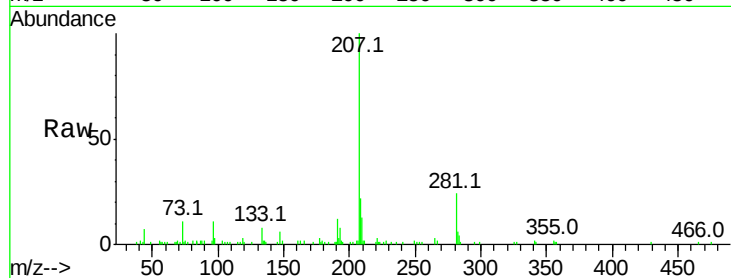
Tot Ion:228 Resp: 526

Ion Ratio Lower Upper

228 100

226 67.0 24.9 37.3#

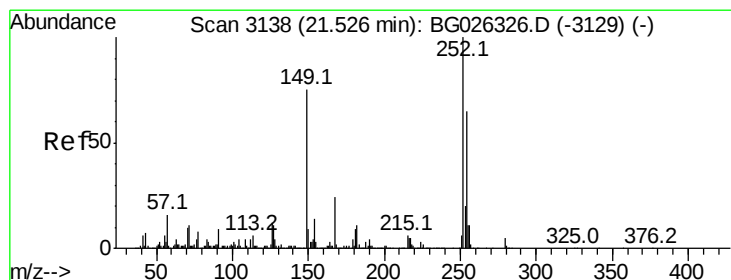
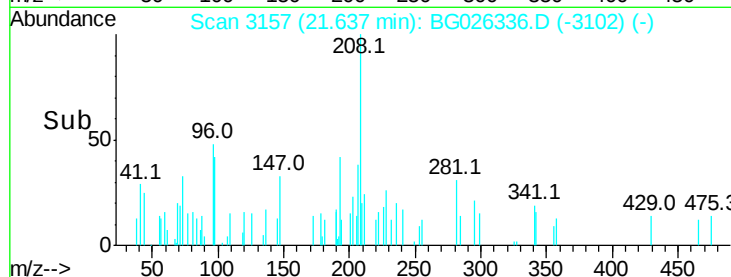
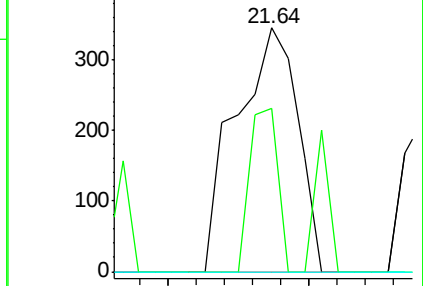
229 0.0 18.2 27.2#



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



#81

3,3'-Dichlorobenzidine

Concen: 6.54 ng

RT: 21.51 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

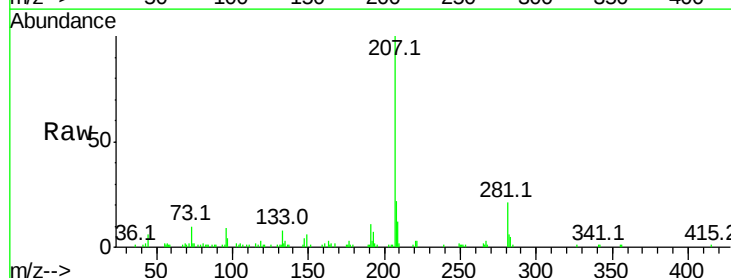
Tgt Ion:252 Resp: 61

Ion Ratio Lower Upper

252 100

254 0.0 53.1 79.7#

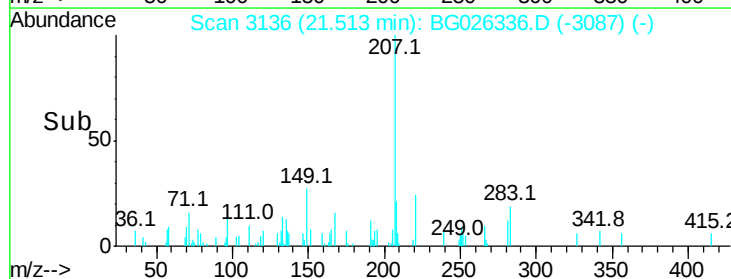
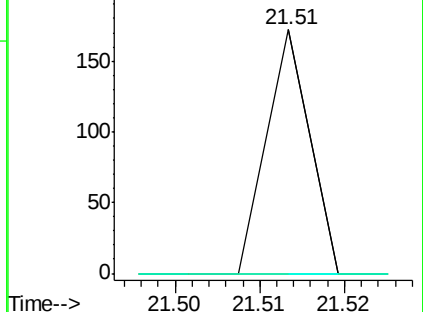
126 0.0 7.0 10.4#

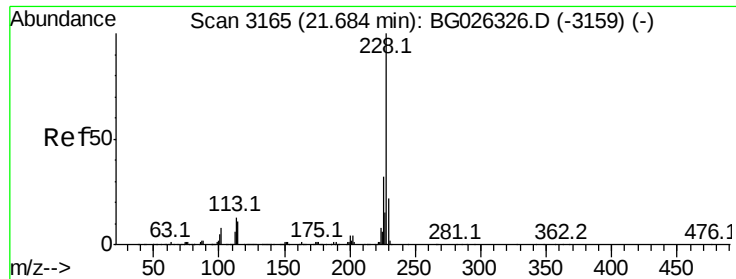


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 11.34 ng

RT: 21.70 min Scan# 3167

Delta R.T. 0.01 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampleId :

DFTPP

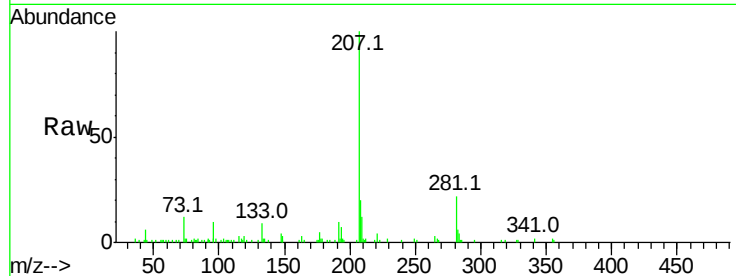
Tot Ion:228 Resp: 247

Ion Ratio Lower Upper

228 100

226 0.0 27.0 40.4#

229 0.0 17.8 26.6#



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

21.70

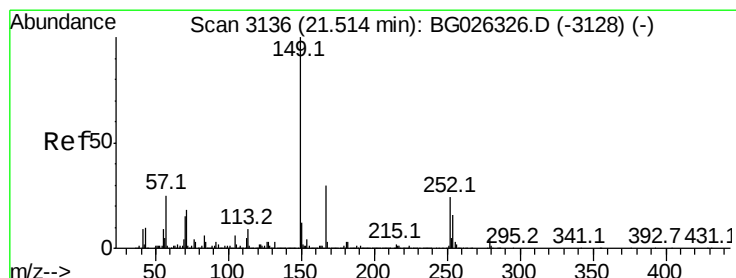
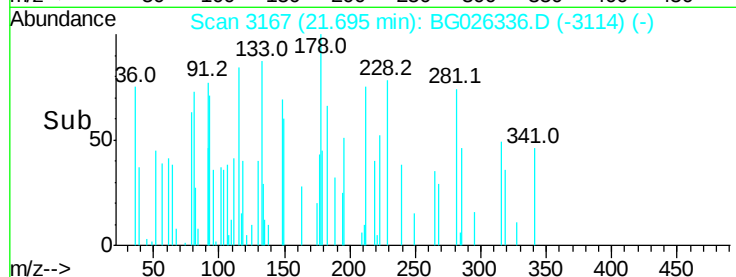
200

100

0

21.66 21.68 21.70

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 107.61 ng

RT: 21.51 min Scan# 3136

Delta R.T. -0.00 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

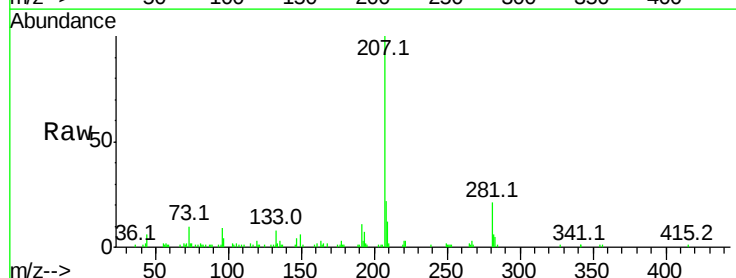
Tgt Ion:149 Resp: 1525

Ion Ratio Lower Upper

149 100

167 36.4 23.7 35.5#

279 0.0 4.6 6.8#



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

21.51

1500

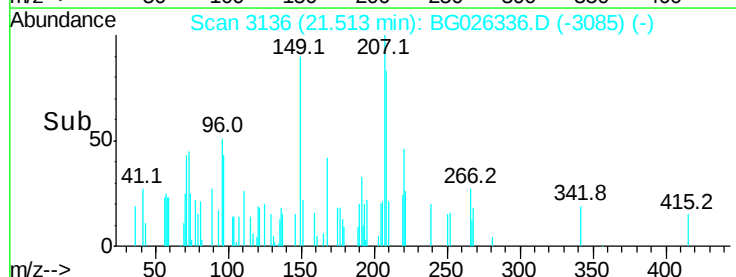
1000

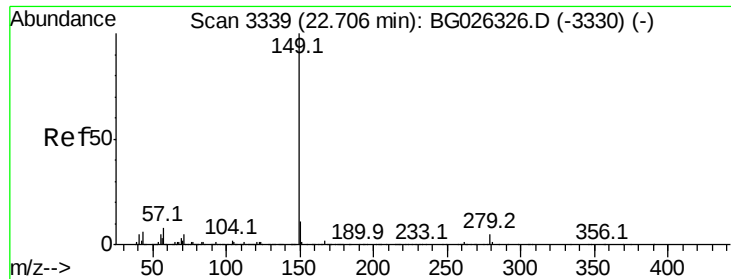
500

0

21.50 21.55

Time-->





#84

Di-n-octyl phthalate

Concen: 4.96 ng

RT: 22.72 min Scan# 3341

Delta R.T. 0.01 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampleId :

DFTPP

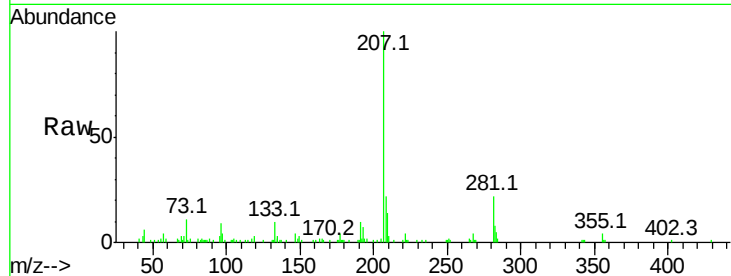
Tot Ion:149 Resp: 120

Ion Ratio Lower Upper

149 100

167 44.2 1.4 2.2#

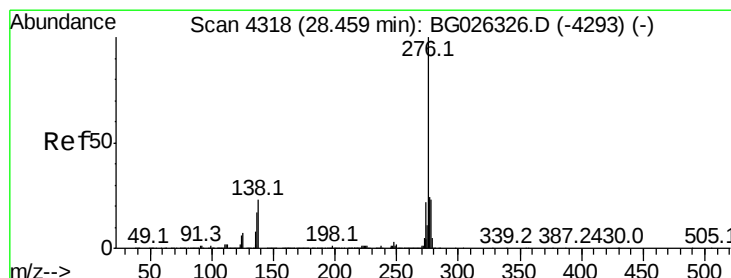
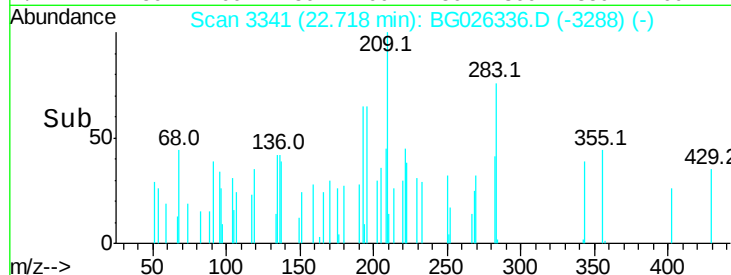
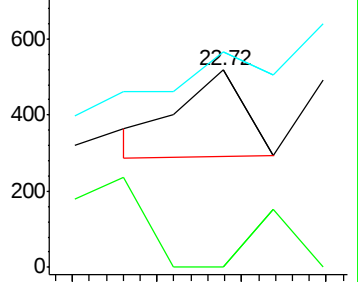
43 0.0 11.8 17.6#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.34 ng

RT: 28.47 min Scan# 4320

Delta R.T. 0.01 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

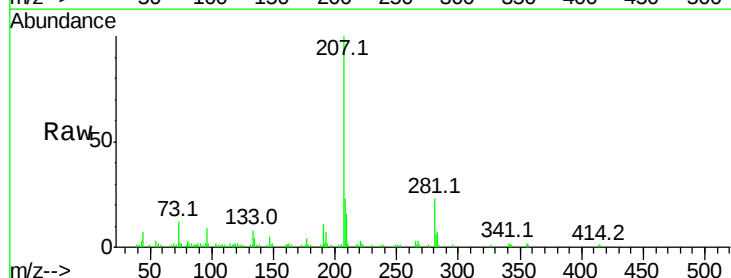
Tgt Ion:276 Resp: 63

Ion Ratio Lower Upper

276 100

138 0.0 4.7 7.1#

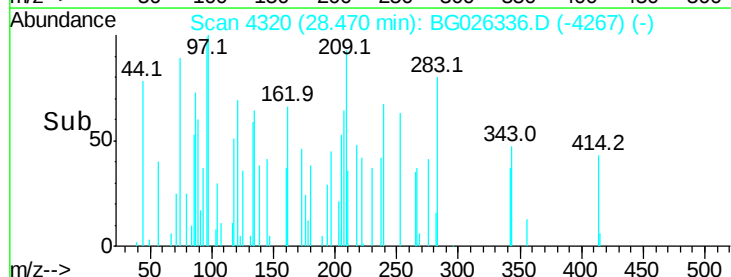
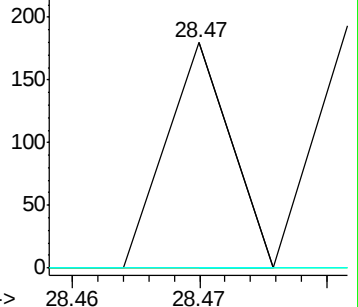
277 0.0 20.6 31.0#

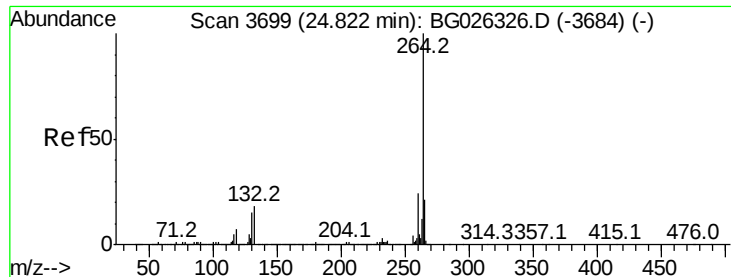


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 24.82 min Scan# 3699

Delta R.T. -0.00 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampled :

DFTPP

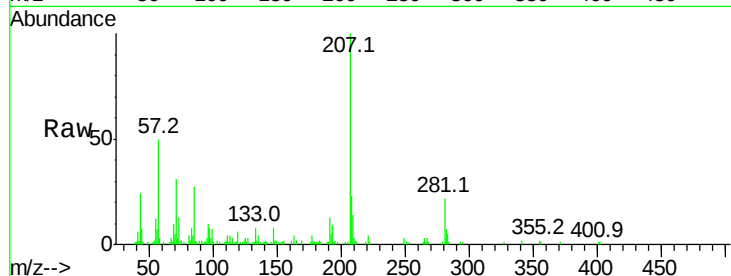
Tot Ion:264 Resp: 97

Ion Ratio Lower Upper

264 100

260 0.0 21.8 32.8#

265 189.1 18.2 27.4#

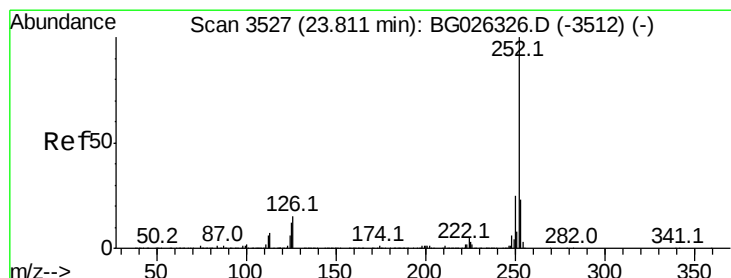
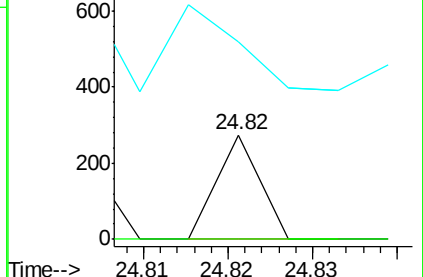
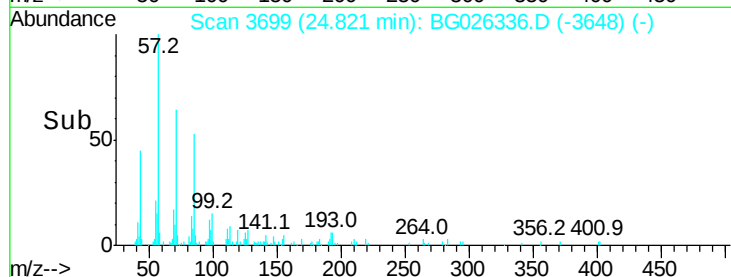


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



#87

Benzo(b)fluoranthene

Concen: 37.60 ng

RT: 23.82 min Scan# 3528

Delta R.T. 0.01 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

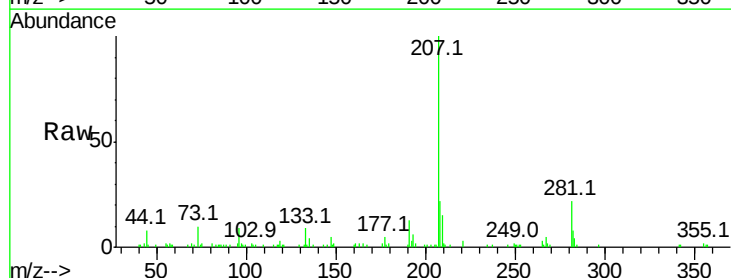
Tgt Ion:252 Resp: 215

Ion Ratio Lower Upper

252 100

253 87.7 18.7 28.1#

125 0.0 5.3 7.9#

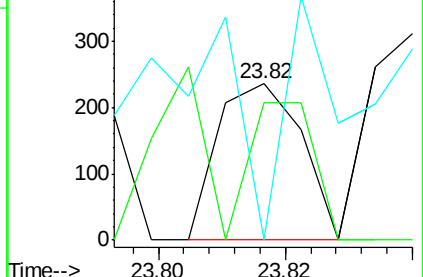
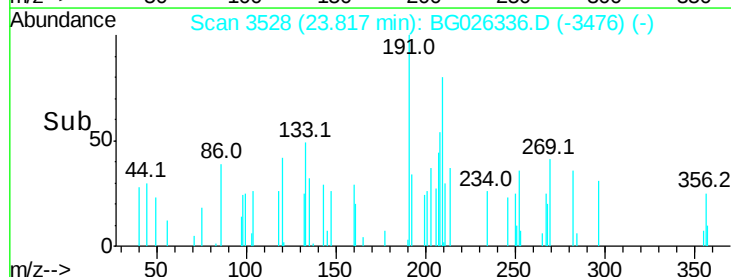


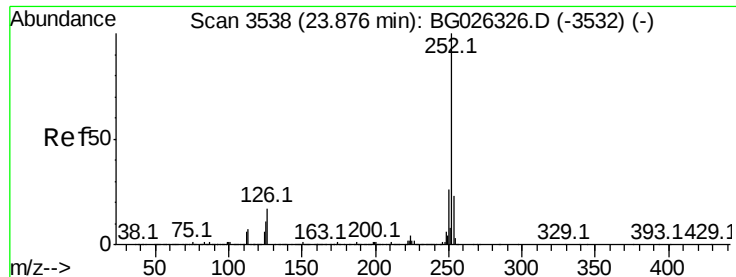
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





#88

Benzo(k)fluoranthene

Concen: 141.92 ng

RT: 23.89 min Scan# 3540

Delta R.T. 0.01 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampled :

DFTPP

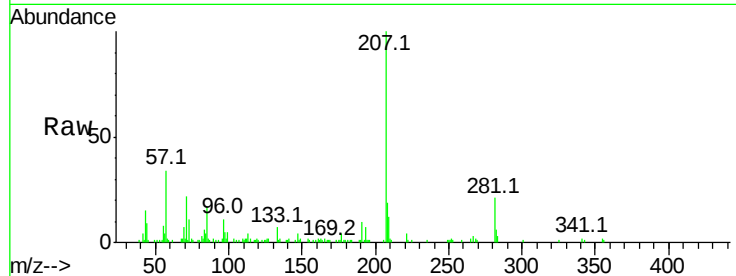
Tot Ion:252 Resp: 787

Ion Ratio Lower Upper

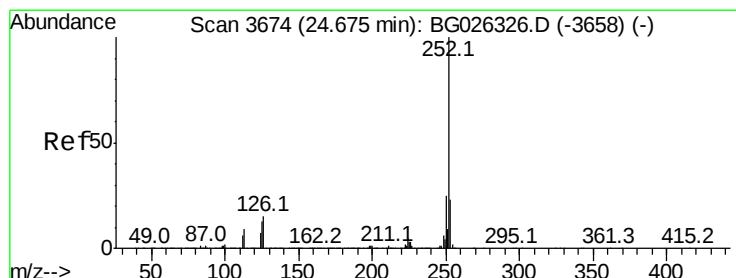
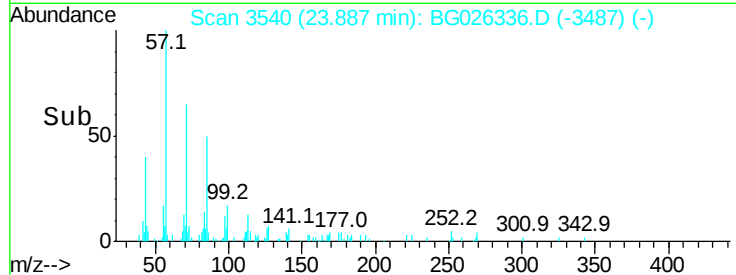
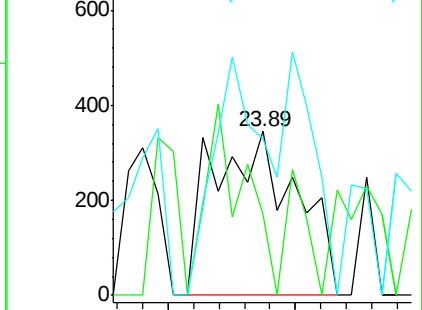
252 100

253 49.3 20.2 30.2#

125 95.7 5.1 7.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 69.29 ng

RT: 24.69 min Scan# 3677

Delta R.T. 0.02 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

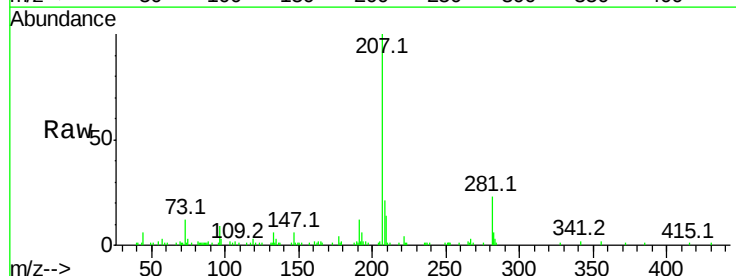
Tgt Ion:252 Resp: 380

Ion Ratio Lower Upper

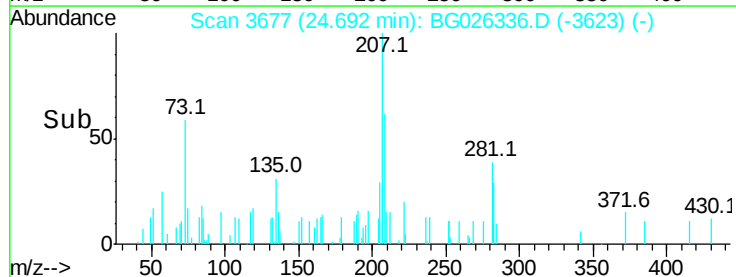
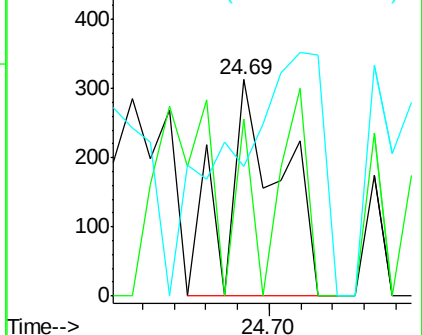
252 100

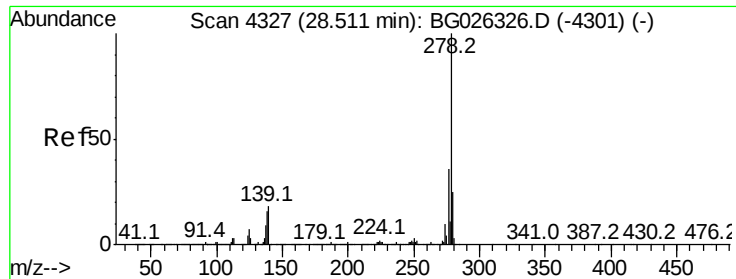
253 81.5 19.2 28.8#

125 60.1 5.4 8.0#



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

Dibenzo(a,h)anthracene

Concen: 11.01 ng

RT: 28.56 min Scan# 4336

Delta R.T. 0.05 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

Instrument :

BNA_G

ClientSampleId :

DFTPP

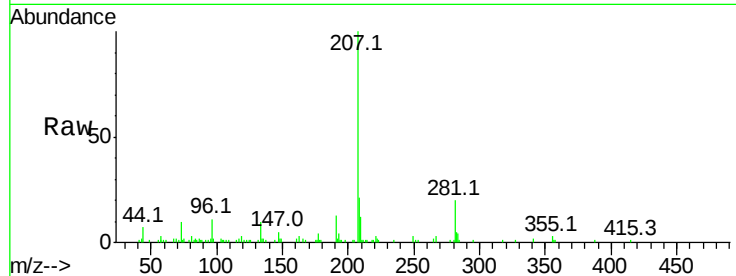
Tot Ion:278 Resp: 61

Ion Ratio Lower Upper

278 100

139 0.0 7.7 11.5#

279 0.0 19.1 28.7#



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

250

200

150

100

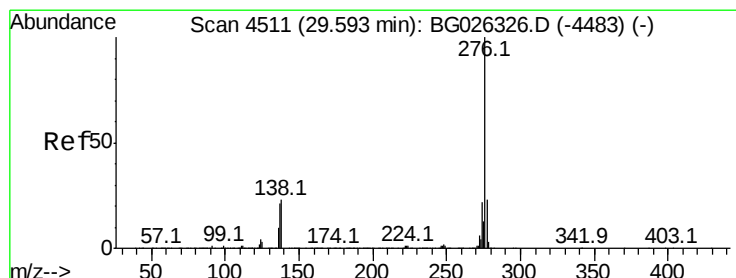
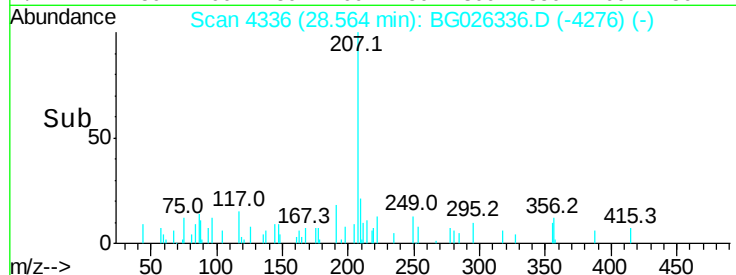
50

0

28.56

28.58

Time-->



#91

Benzo(g,h,i)perylene

Concen: 23.28 ng

RT: 29.58 min Scan# 4509

Delta R.T. -0.01 min

Lab File: BG026336.D

Acq: 20 Mar 2017 21:04

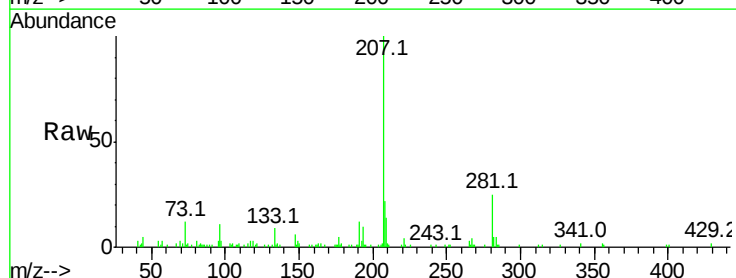
Tgt Ion:276 Resp: 130

Ion Ratio Lower Upper

276 100

277 0.0 18.6 27.8#

138 0.0 8.1 12.1#



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

250

200

150

100

50

0

29.56

29.58

29.60

Time-->

