

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072015\
 Data File : BG017999.D
 Acq On : 20 Jul 2015 21:13
 Operator : TP/UM
 Sample : G3025-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UST-2(0-2)

Quant Time: Jul 21 01:12:35 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 18 01:50:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	110458	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	457811	20.00	ng	0.00
38) Acenaphthene-d10	14.24	164	256926	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	492436	20.00	ng	0.00
75) Chrysene-d12	21.20	240	515532	20.00	ng	0.00
86) Perylene-d12	23.43	264	511794	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	691586	109.22	ng	0.01
7) Phenol-d6	6.78	99	891903	107.52	ng	0.01
23) Nitrobenzene-d5	8.74	82	525734	74.38	ng	0.00
41) 2,4,6-Tribromophenol	15.74	330	318786	122.47	ng	0.00
44) 2-Fluorobiphenyl	12.86	172	945436	63.77	ng	0.00
78) Terphenyl-d14	19.65	244	1055838	51.59	ng	0.00

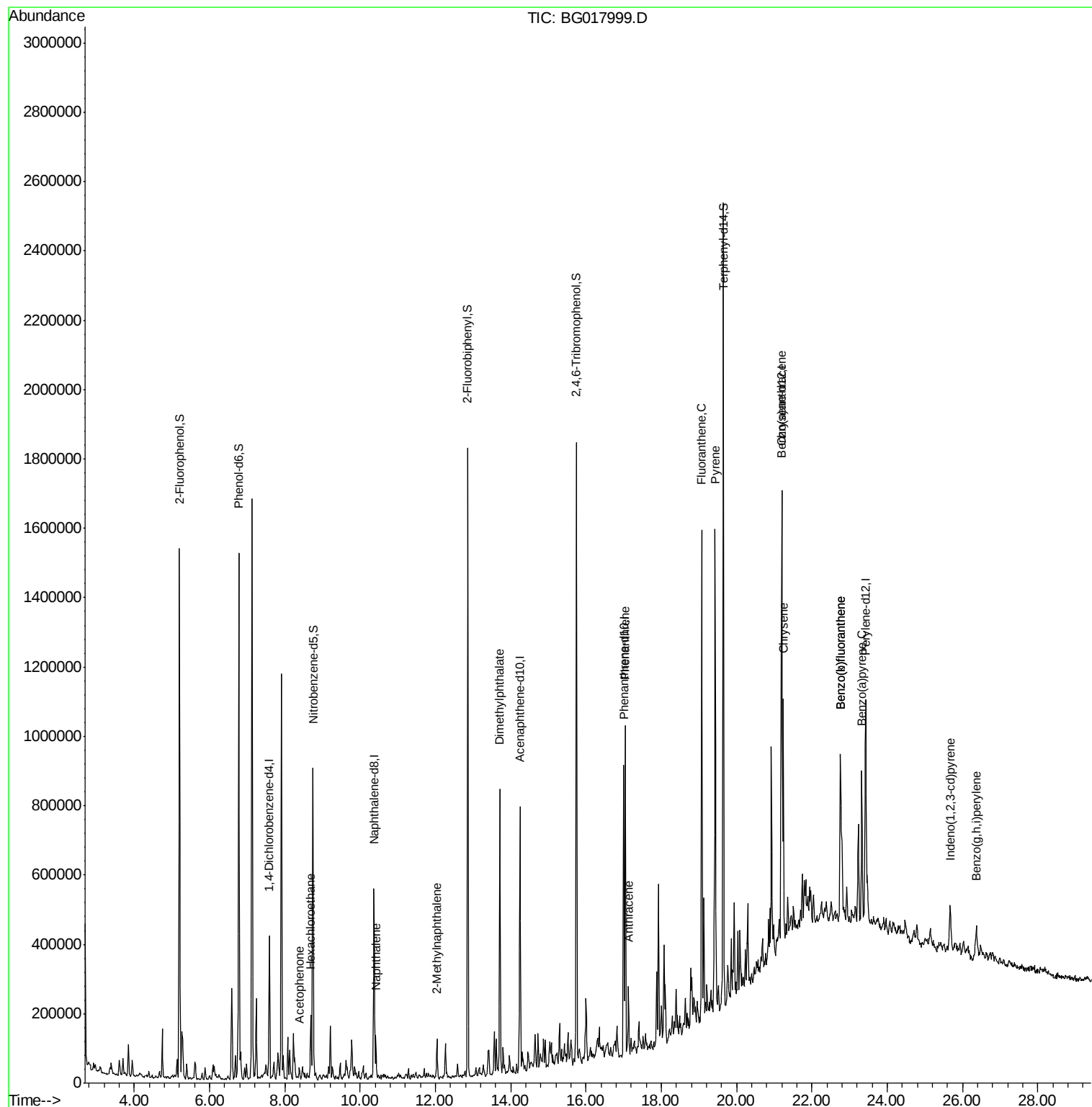
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	8.69	117	13204	4.16	ng	# 1
22) Acetophenone	8.39	105	21156	2.14	ng	# 51
31) Naphthalene	10.41	128	73722	3.29	ng	96
32) Benzoic acid	9.70	122	61	Below Cal	#	73
37) 2-Methylnaphthalene	12.04	142	55162	3.43	ng	94
49) Dimethylphthalate	13.71	163	519960	29.13	ng	100
53) 2,4-Dinitrophenol	14.21	184	64	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	15.34	198	57	Below Cal	#	1
69) Pentachlorophenol	16.68	266	72	Below Cal	#	18
70) Phenanthrene	17.04	178	543706	21.41	ng	98
71) Anthracene	17.13	178	126684	5.13	ng	98
74) Fluoranthene	19.07	202	822906	29.59	ng	96
77) Pyrene	19.43	202	839917	29.21	ng	97
80) Benzo(a)anthracene	21.19	228	412597	15.15	ng	99
82) Chrysene	21.24	228	395824	15.26	ng	96
85) Indeno(1,2,3-cd)pyrene	25.67	276	145430	4.64	ng	# 88
87) Benzo(b)fluoranthene	22.76	252	568514	20.30	ng	96
88) Benzo(k)fluoranthene	22.76	252	568514	20.33	ng	98
89) Benzo(a)pyrene	23.33	252	333018	12.76	ng	98
91) Benzo(a,h,i)perylene	26.36	276	136001	5.21	ng	96

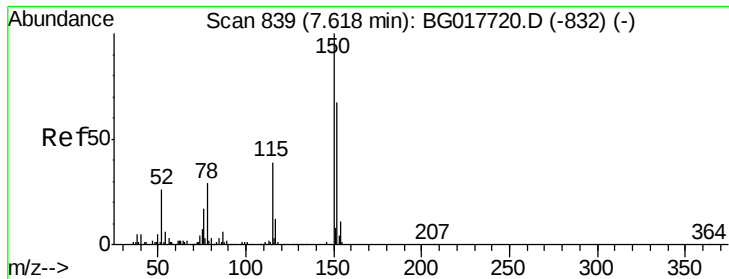
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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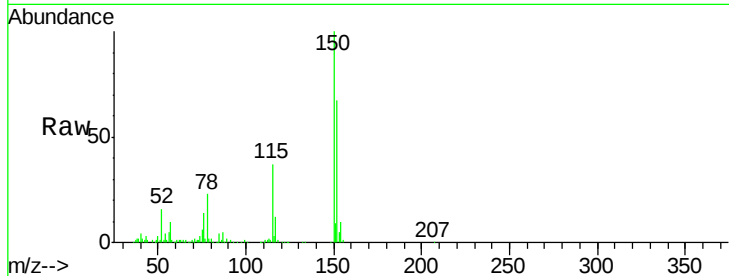


#1

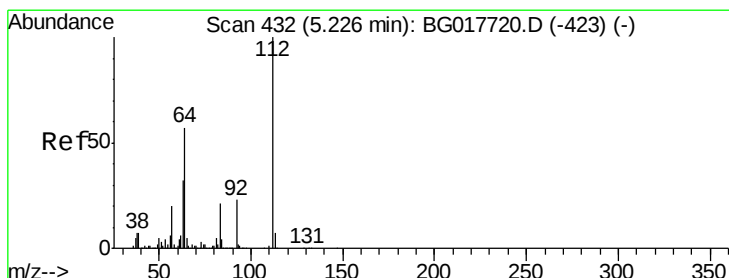
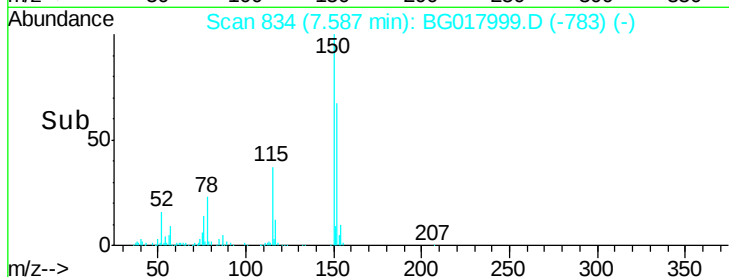
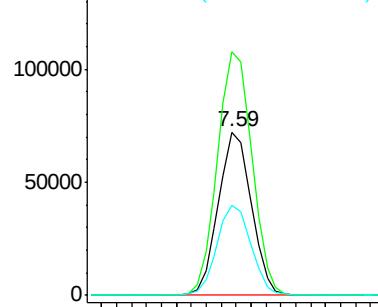
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.59 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.0	119.1	178.7
115	54.7	47.0	70.4



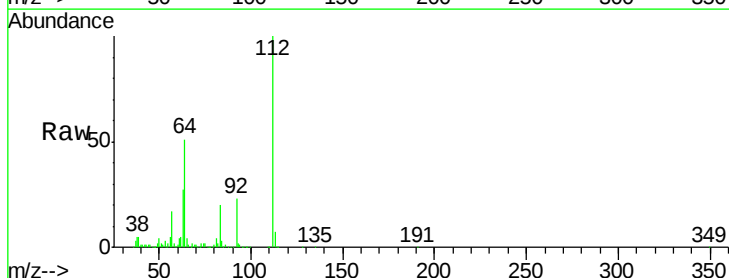
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



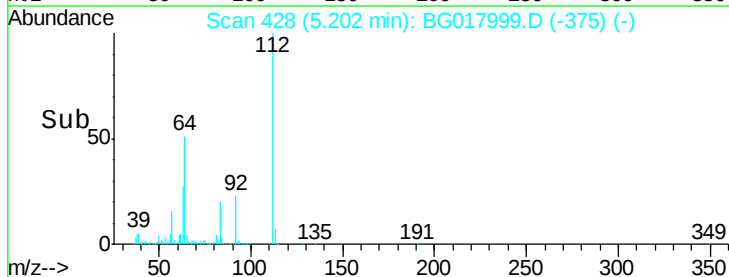
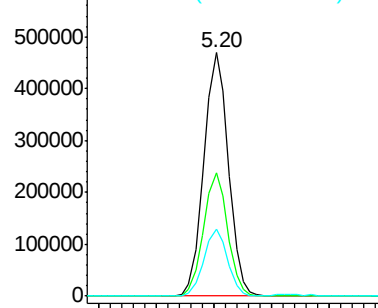
#5

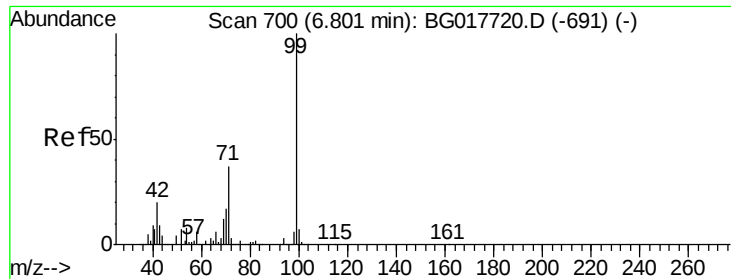
2-Fluorophenol
Concen: 109.22 ng
RT: 5.20 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	45.4	68.0
63	27.3	25.3	37.9



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





#7

Phenol-d6

Concen: 107.52 ng

RT: 6.78 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

Instrument :

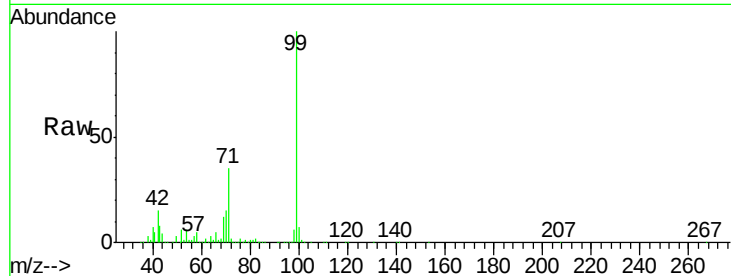
BNA_G

ClientSampleId :

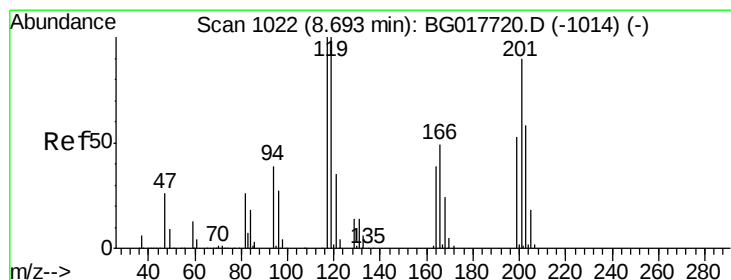
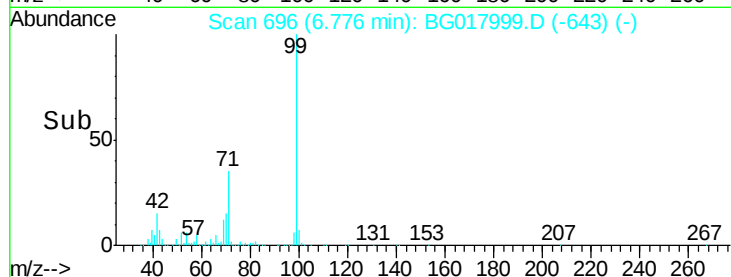
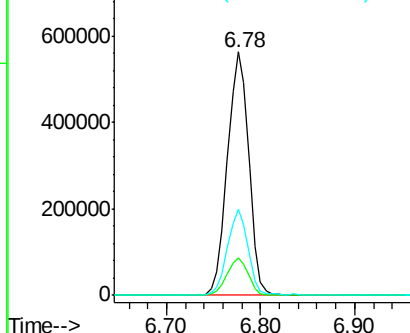
UST-2(0-2)

Tot Ion: 99 Resp: 891903

Ion	Ratio	Lower	Upper
99	100		
42	15.4	16.2	24.4#
71	35.2	29.5	44.3



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



#18

Hexachloroethane

Concen: 4.16 ng

RT: 8.69 min Scan# 1021

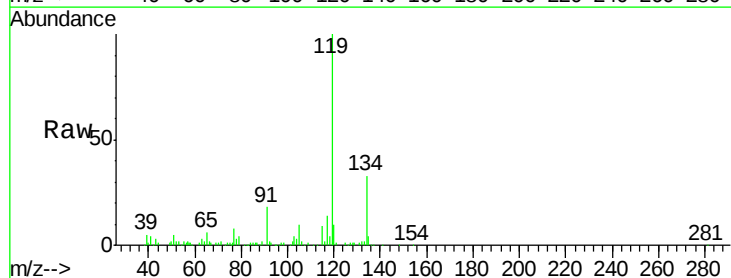
Delta R.T. 0.03 min

Lab File: BG017999.D

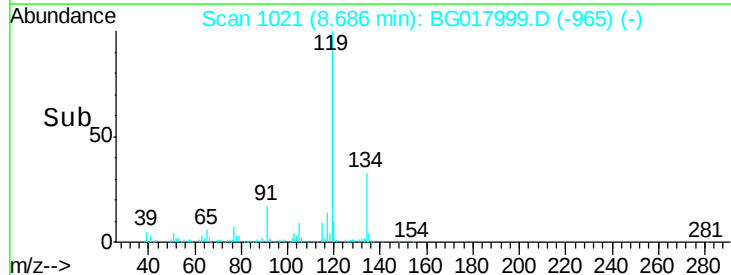
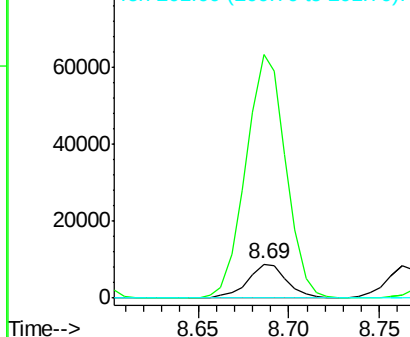
Acq: 20 Jul 2015 21:13

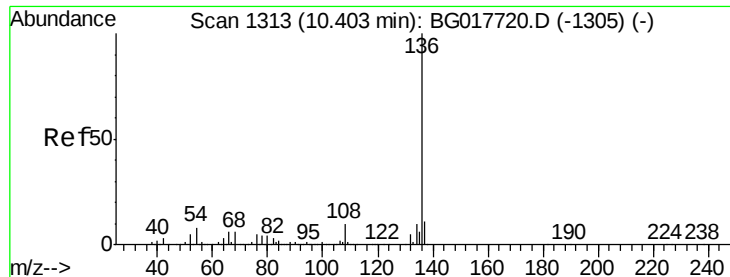
Tgt Ion: 117 Resp: 13204

Ion	Ratio	Lower	Upper
117	100		
119	712.1	80.1	120.1#
201	0.0	71.9	107.9#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

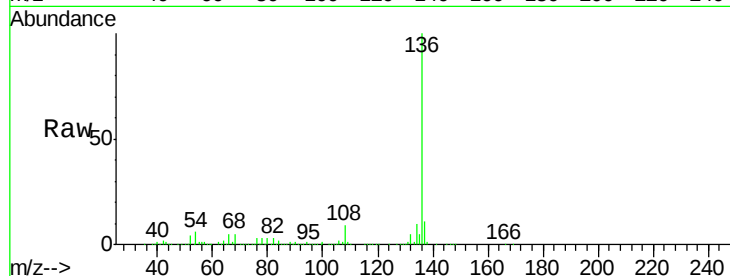




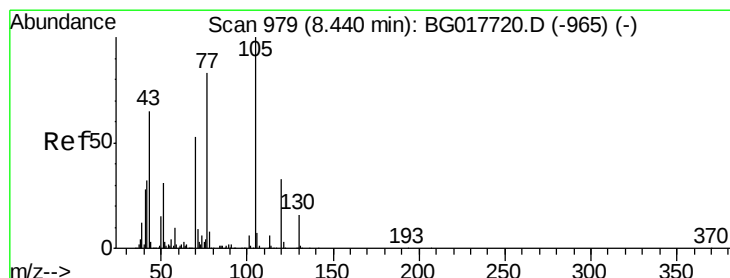
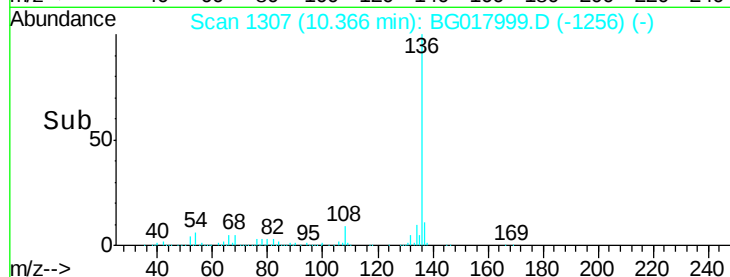
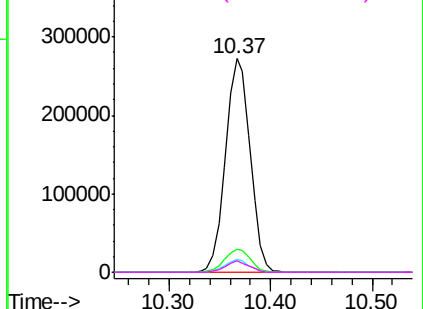
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.37 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

Tot Ion:	136	Resp:	457811
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.2	6.6	9.8#
68	5.3	5.1	7.7

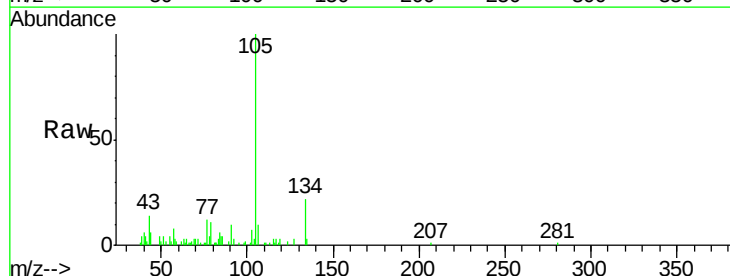


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

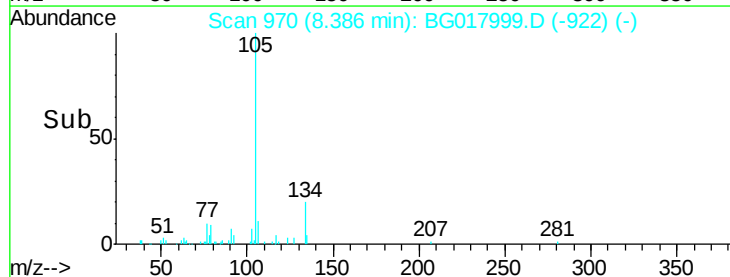
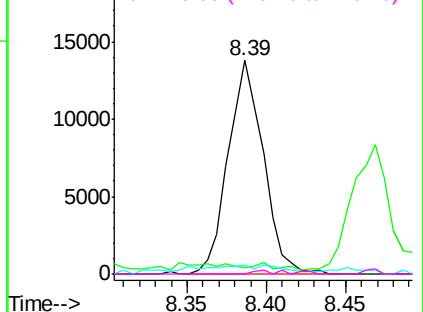


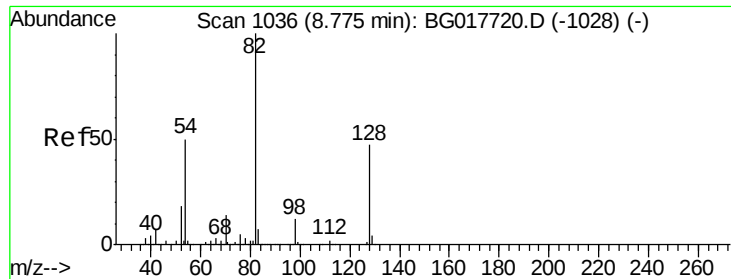
#22
Acetophenone
Concen: 2.14 ng
RT: 8.39 min Scan# 970
Delta R.T. -0.02 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion:	105	Resp:	21156
Ion	Ratio	Lower	Upper
105	100		
71	3.1	7.7	11.5#
51	4.4	24.9	37.3#
120	0.0	26.2	39.4#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

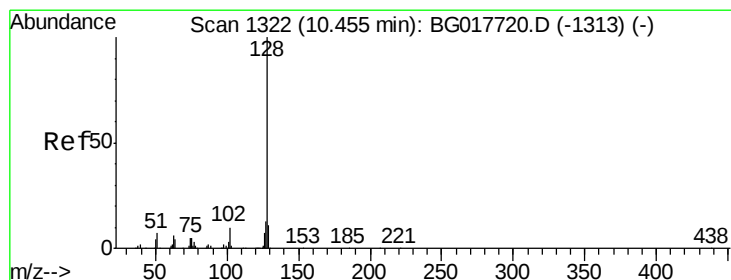
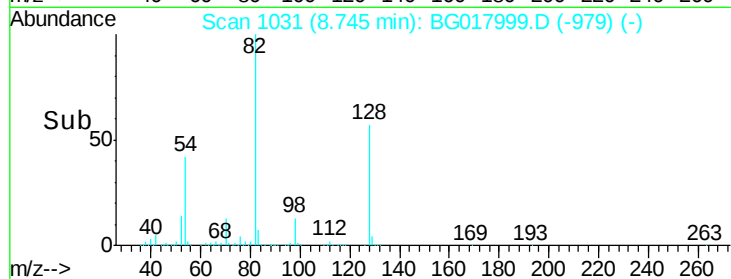
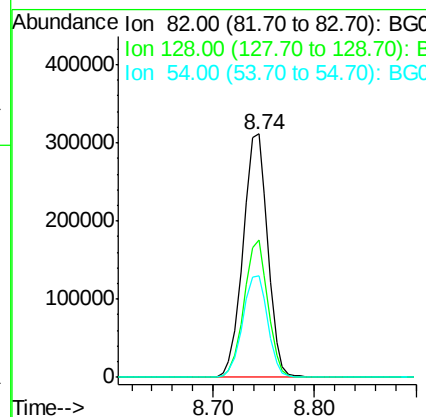
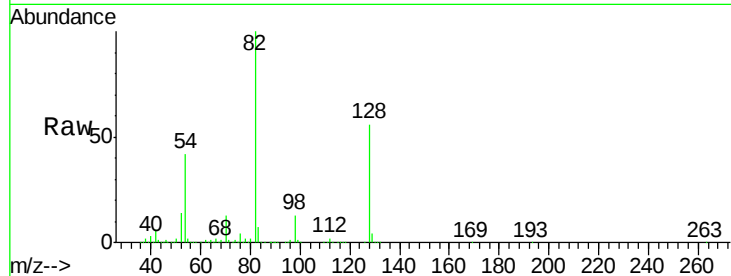




#23
 Nitrobenzene-d5
 Concen: 74.38 ng
 RT: 8.74 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: BG017999.D
 Acq: 20 Jul 2015 21:13

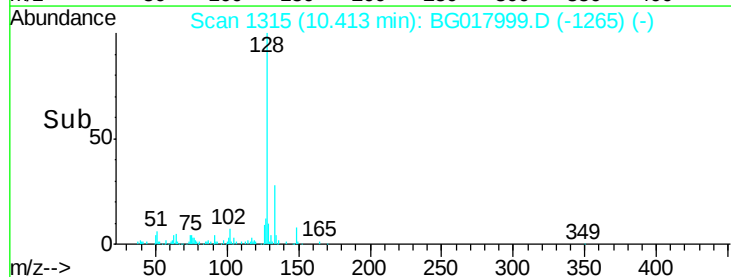
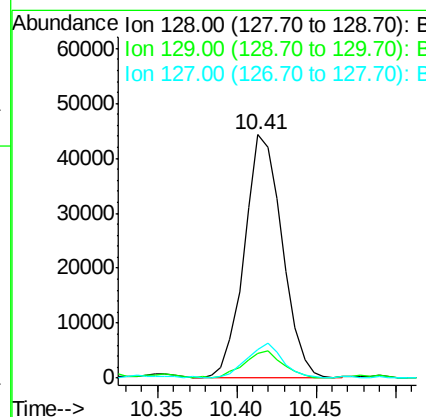
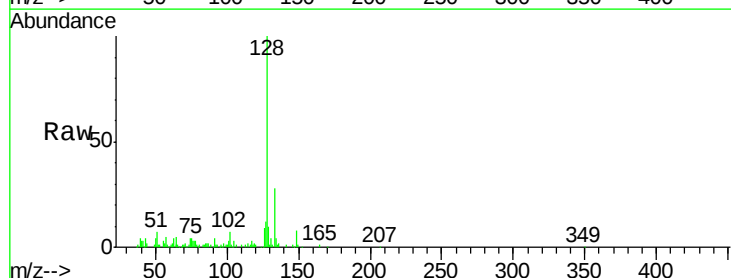
Instrument :
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 UST-2(0-2)

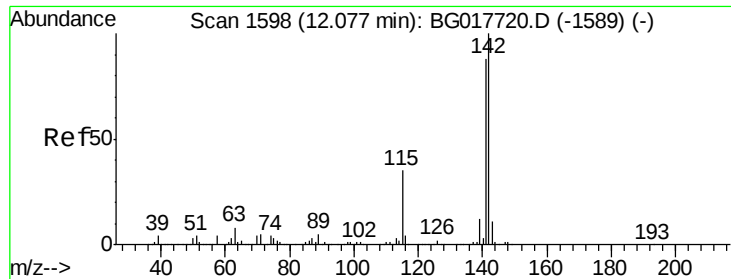
Tot Ion	82	Resp	525734
Ion Ratio	Lower	Upper	
82	100		
128	56.5	37.8	56.6
54	41.9	39.9	59.9



#31
 Naphthalene
 Concen: 3.29 ng
 RT: 10.41 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BG017999.D
 Acq: 20 Jul 2015 21:13

Tgt Ion	128	Resp	73722
Ion Ratio	Lower	Upper	
128	100		
129	10.1	9.0	13.6
127	11.5	10.7	16.1

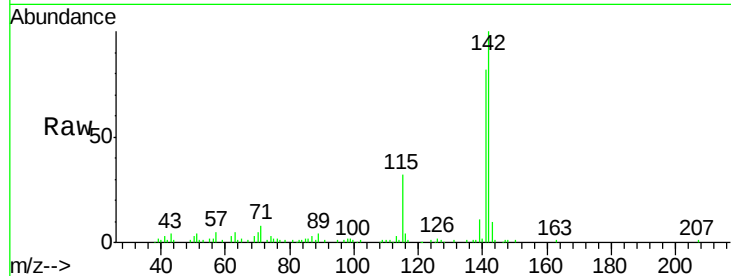




#37
2-Methylnaphthalene
Concen: 3.43 ng
RT: 12.04 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

Tot Ion	Ratio	Lower	Upper
142	100		
141	81.8	70.7	106.1
115	32.1	27.8	41.8

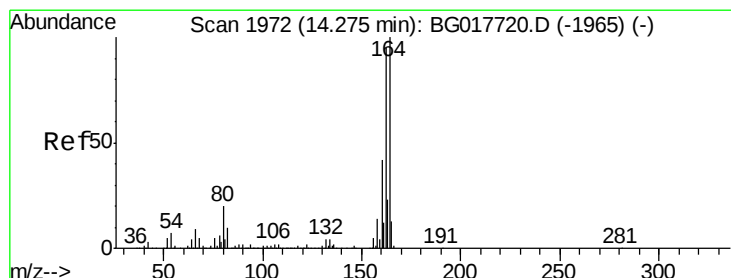
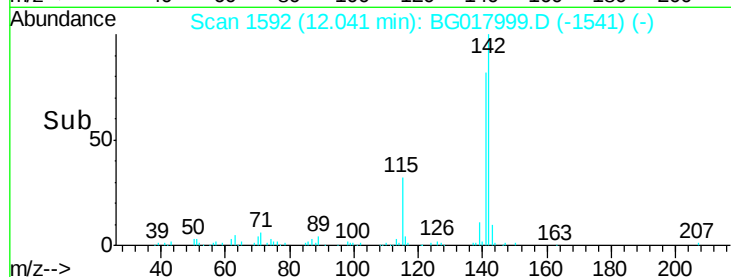
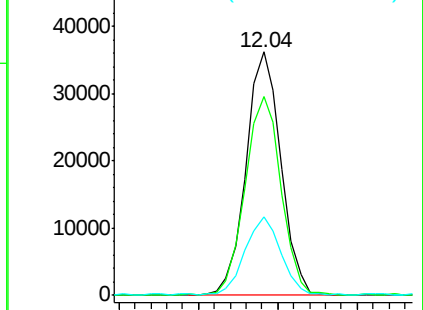


Abundance

Ion 142.00 (141.70 to 142.70): E

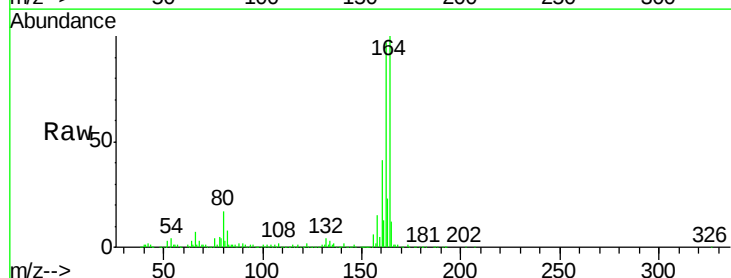
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.24 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.6	76.3	114.5
160	41.0	33.7	50.5

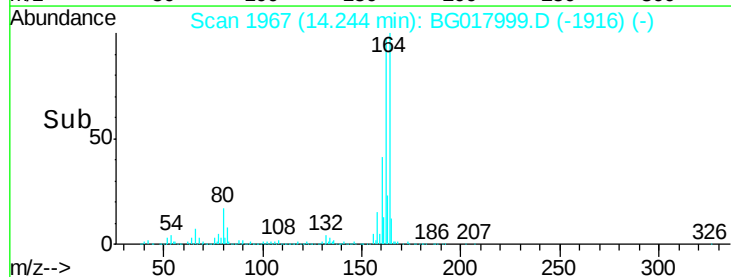
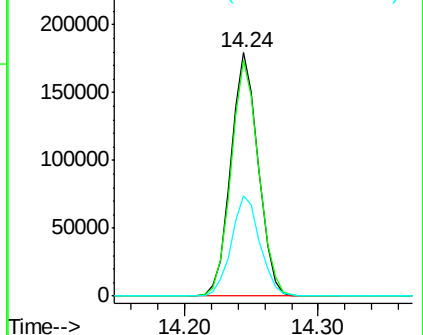


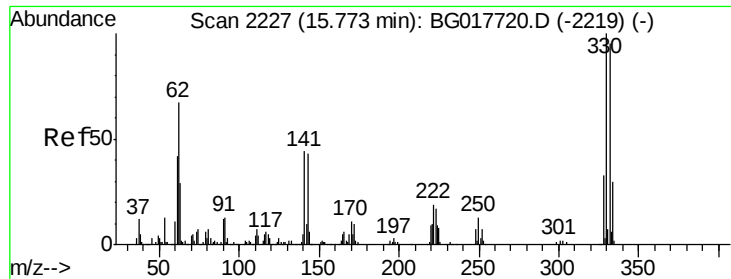
Abundance

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

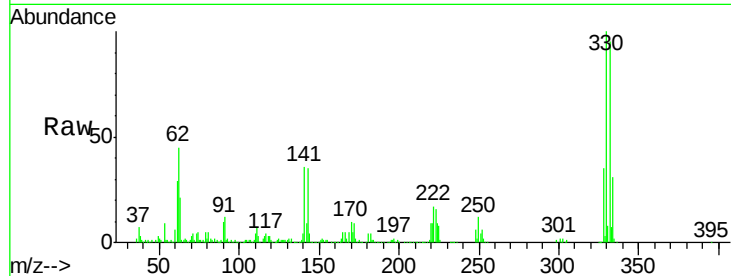




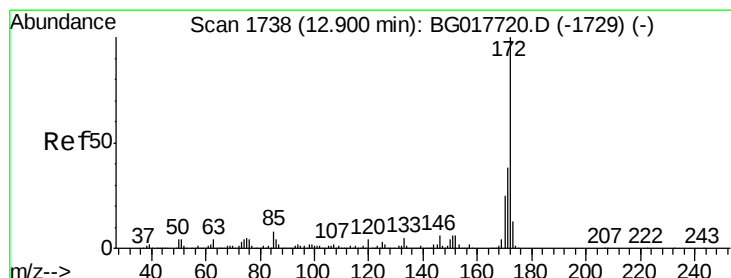
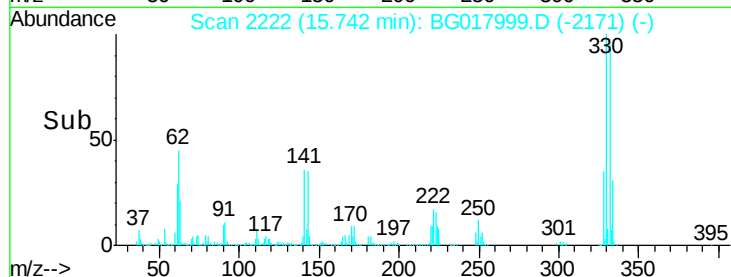
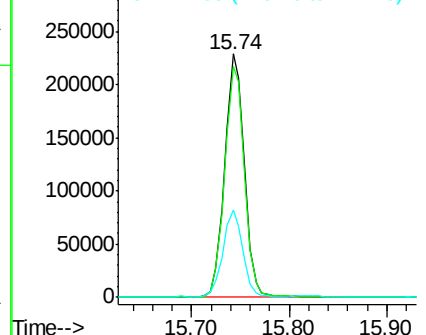
#41
 2,4,6-Tribromophenol
 Concen: 122.47 ng
 RT: 15.74 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG017999.D
 Acq: 20 Jul 2015 21:13

Instrument :
 BNA_G
 ClientSampleId :
 UST-2(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.8	115.2
141	35.5	38.0	57.0#

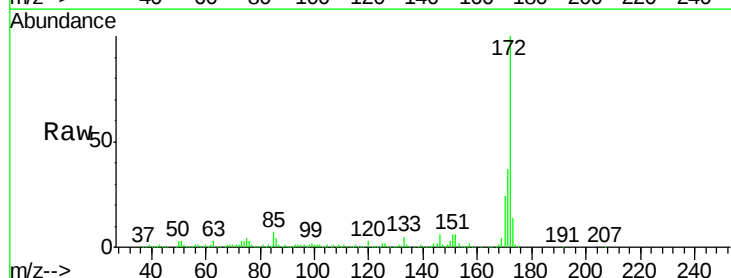


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

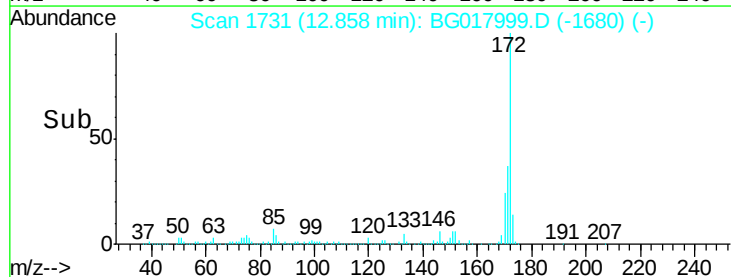
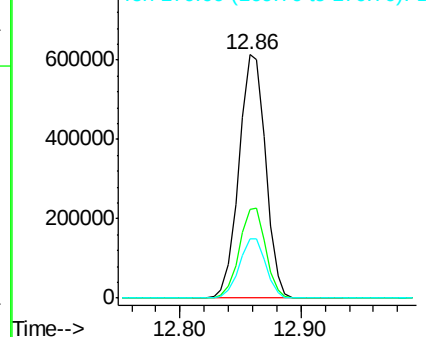


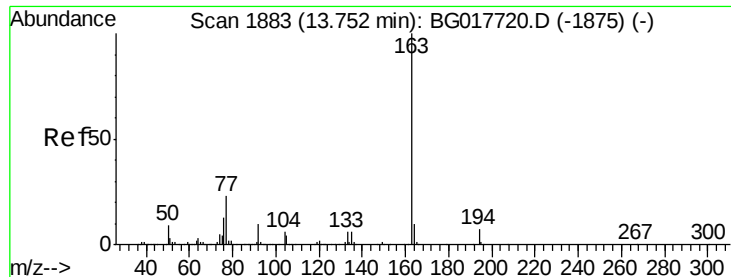
#44
 2-Fluorobiphenyl
 Concen: 63.77 ng
 RT: 12.86 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG017999.D
 Acq: 20 Jul 2015 21:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.7	46.1
170	24.3	19.7	29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 29.13 ng

RT: 13.71 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

Instrument :

BNA_G

ClientSampleId :

UST-2(0-2)

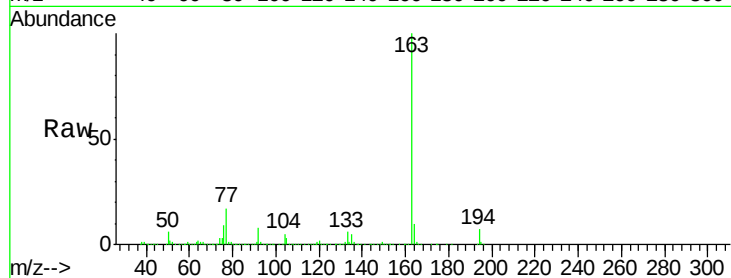
Tot Ion:163 Resp: 519960

Ion Ratio Lower Upper

163 100

194 7.3 5.8 8.6

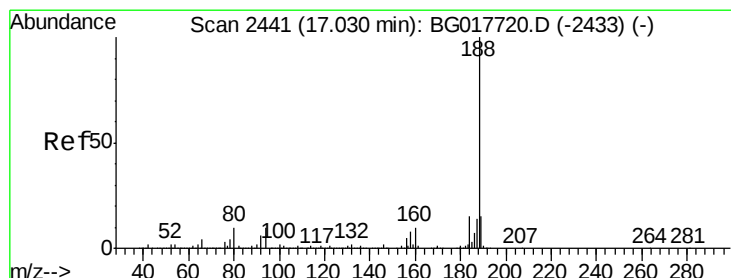
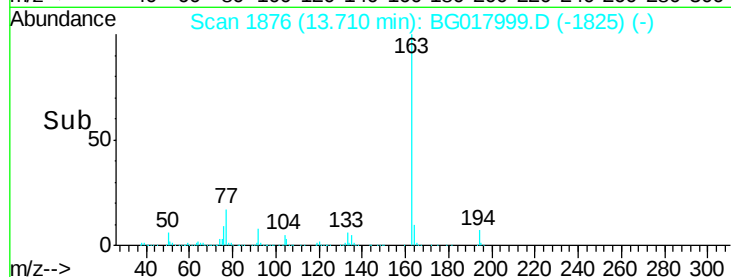
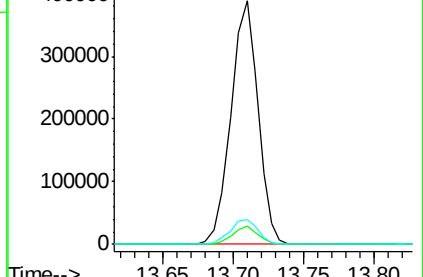
164 10.3 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.00 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

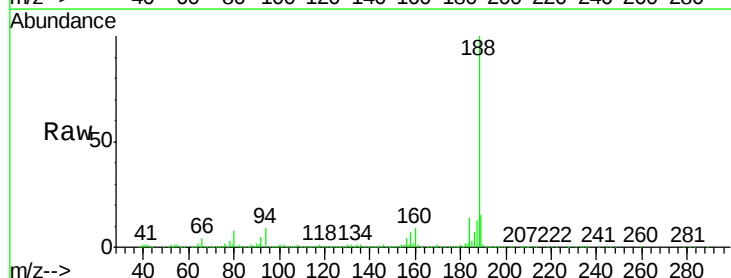
Tgt Ion:188 Resp: 492436

Ion Ratio Lower Upper

188 100

94 8.5 8.2 12.2

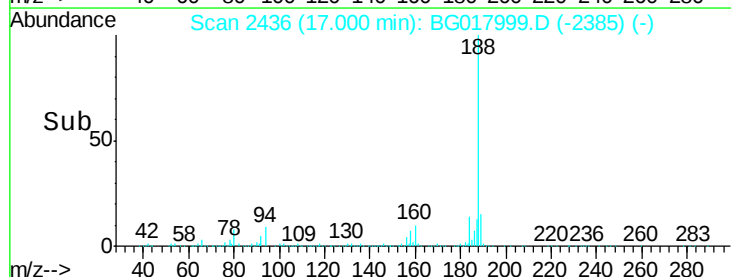
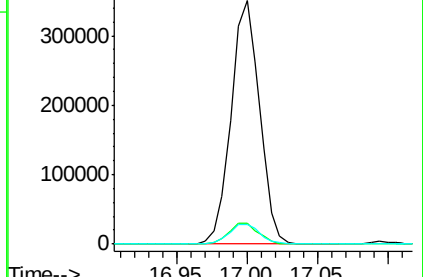
80 7.9 8.2 12.4#

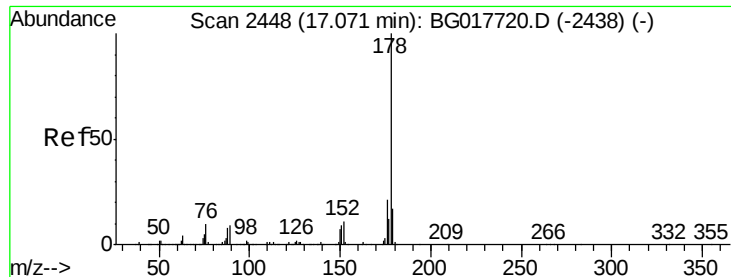


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 21.41 ng

RT: 17.04 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

Instrument :

BNA_G

ClientSampleId :

UST-2(0-2)

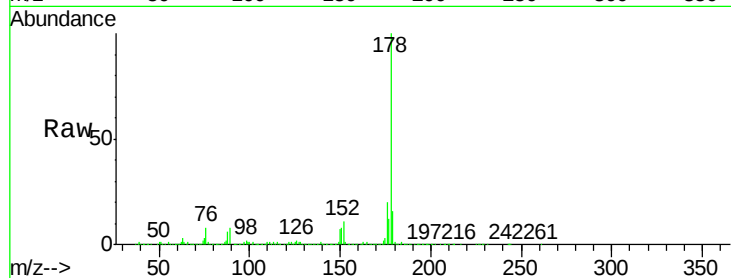
Tot Ion:178 Resp: 543706

Ion Ratio Lower Upper

178 100

176 19.8 16.5 24.7

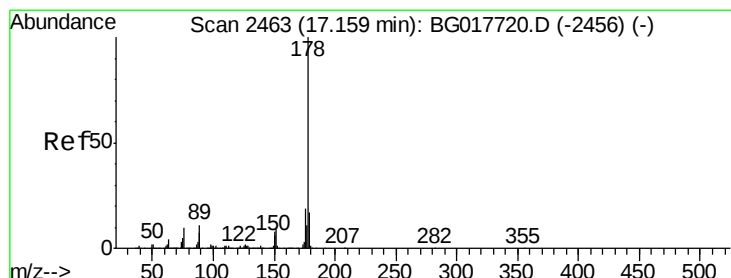
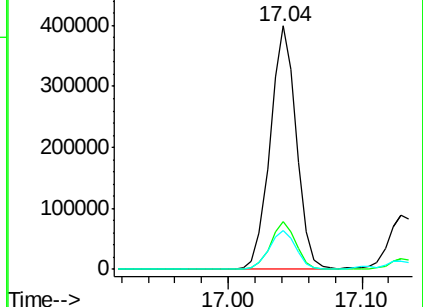
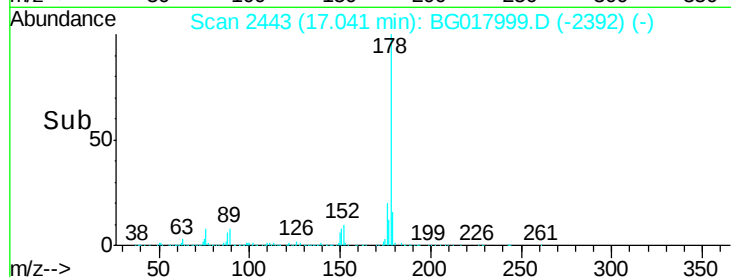
179 16.2 13.5 20.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 5.13 ng

RT: 17.13 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

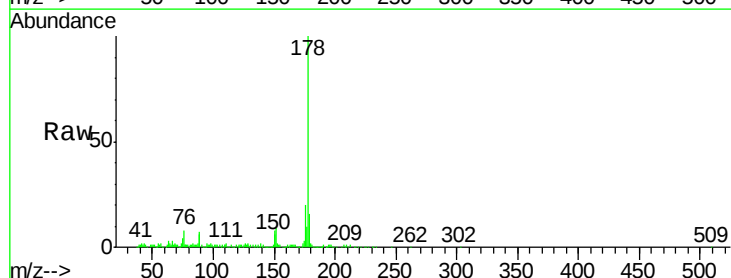
Tgt Ion:178 Resp: 126684

Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

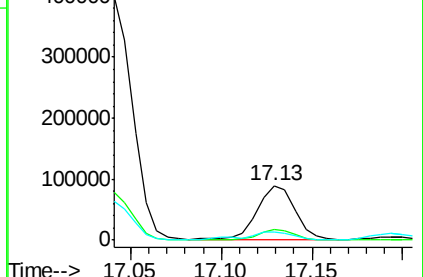
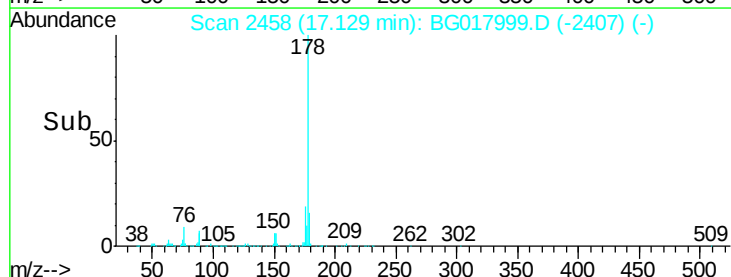
179 15.9 13.6 20.4

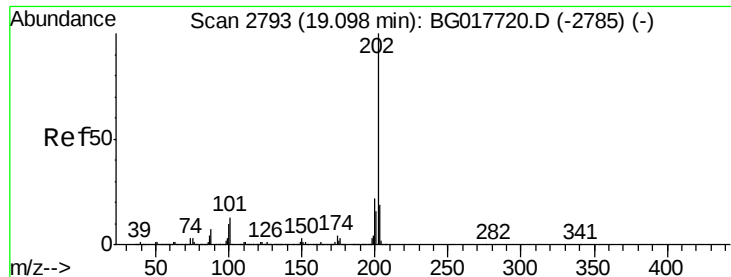


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 29.59 ng

RT: 19.07 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

Instrument :

BNA_G

ClientSampleId :

UST-2(0-2)

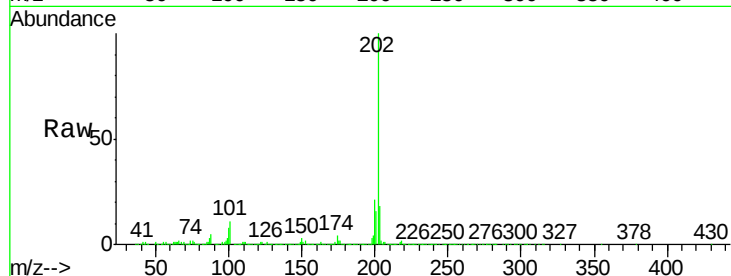
Tot Ion:202 Resp: 822906

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.3

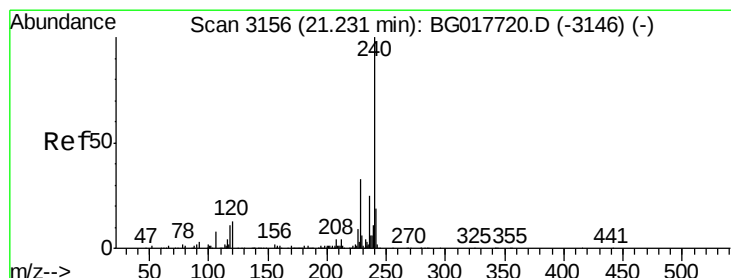
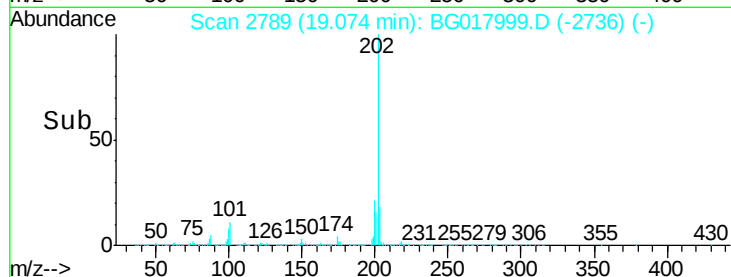
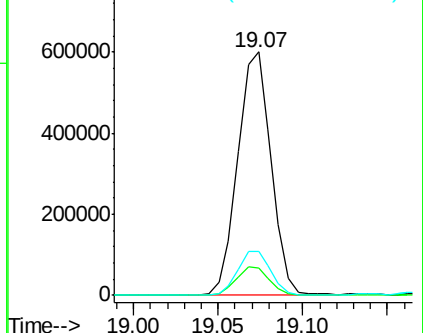
203 18.3 0.0 39.5



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

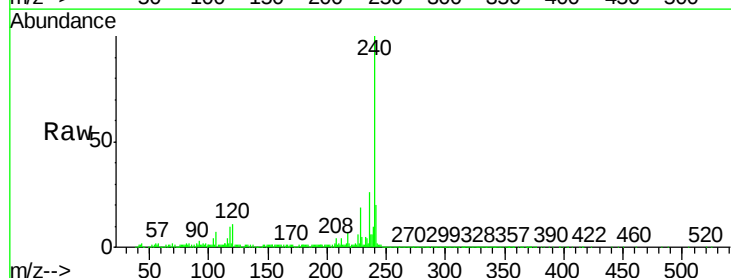
Tgt Ion:240 Resp: 515532

Ion Ratio Lower Upper

240 100

120 11.4 10.8 16.2

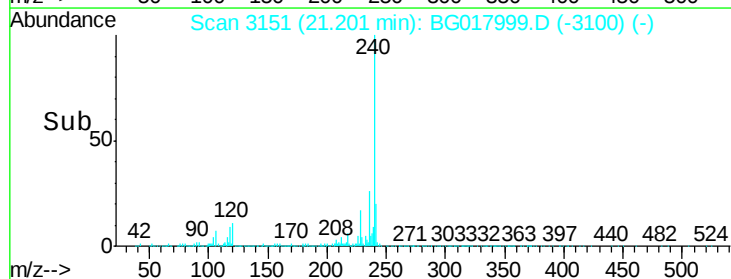
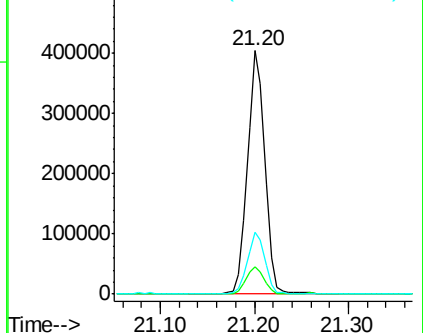
236 25.6 20.0 30.0

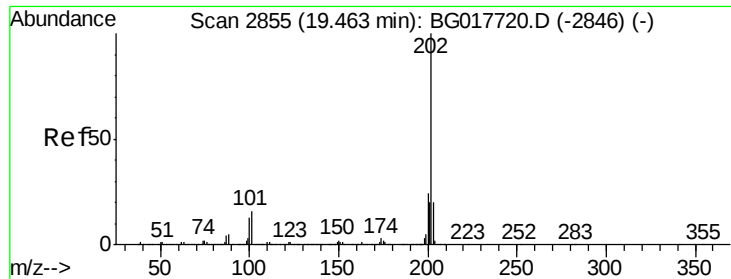


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

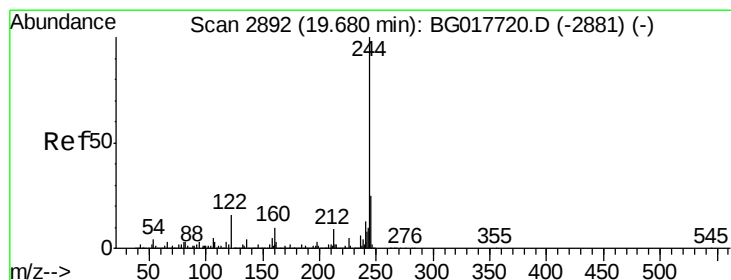
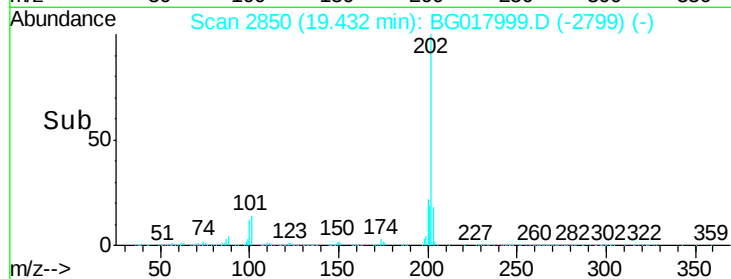
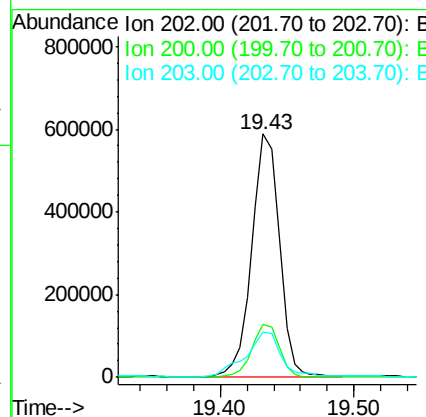
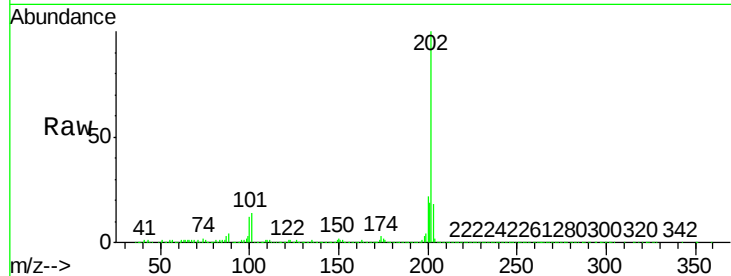




#77
Pvrene
Concen: 29.21 ng
RT: 19.43 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

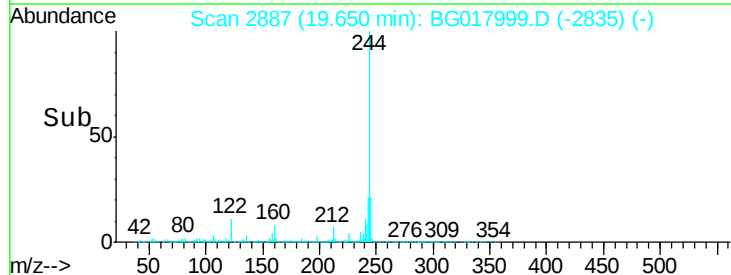
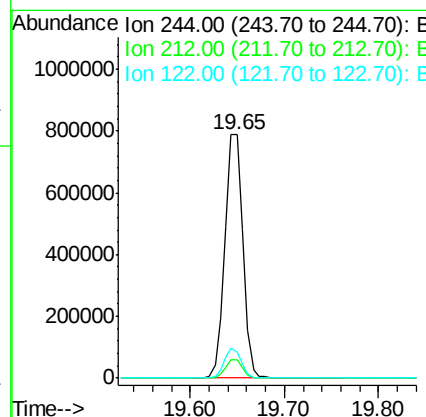
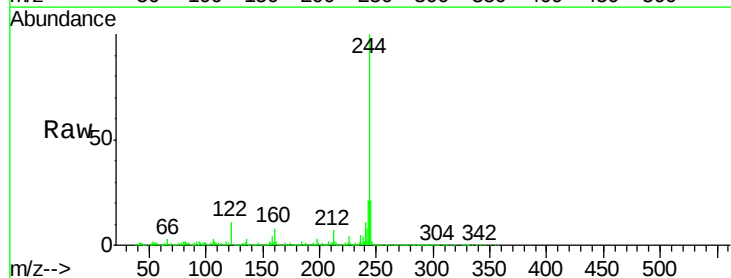
Instrument :
BNA_G
ClientSampleId :
UST-2(0-2)

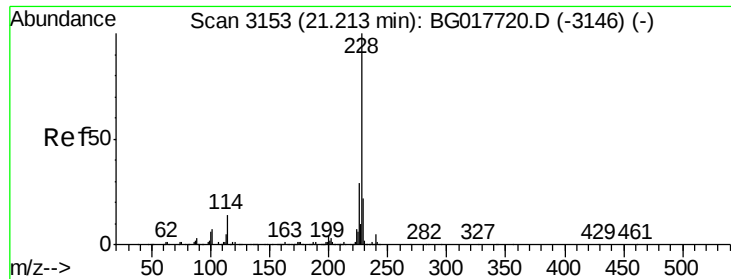
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.8	28.2
203	18.4	15.9	23.9



#78
Terphenyl-d14
Concen: 51.59 ng
RT: 19.65 min Scan# 2887
Delta R.T. 0.01 min
Lab File: BG017999.D
Acq: 20 Jul 2015 21:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	7.2	10.8
122	10.9	12.8	19.2#





#80

Benzo(a)anthracene

Concen: 15.15 ng

RT: 21.19 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

Instrument :

BNA_G

ClientSampleId :

UST-2(0-2)

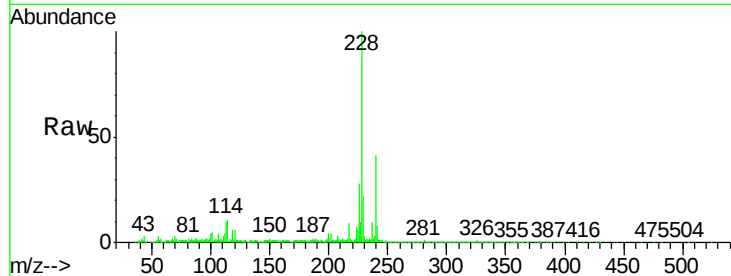
Tot Ion:228 Resp: 412597

Ion Ratio Lower Upper

228 100

226 27.9 23.1 34.7

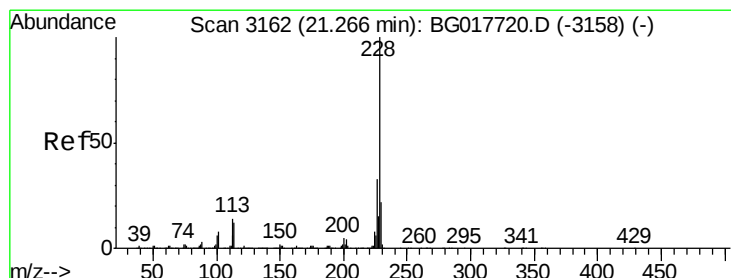
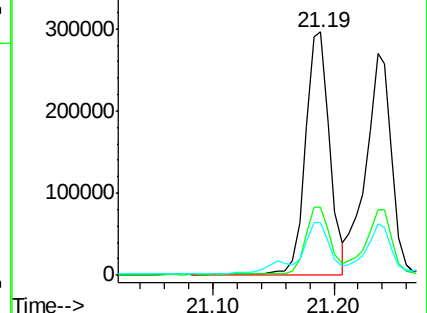
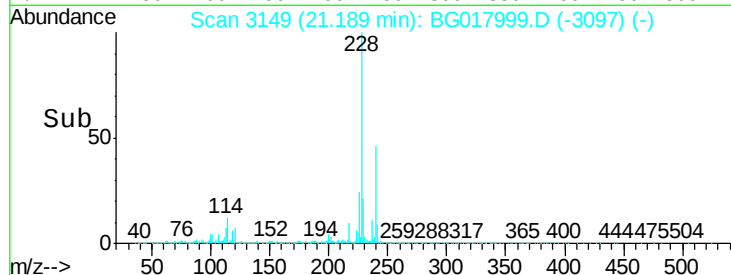
229 21.5 17.4 26.0



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



#82

Chrysene

Concen: 15.26 ng

RT: 21.24 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

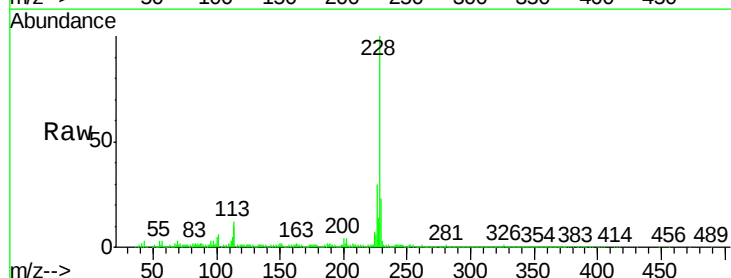
Tgt Ion:228 Resp: 395824

Ion Ratio Lower Upper

228 100

226 29.6 26.1 39.1

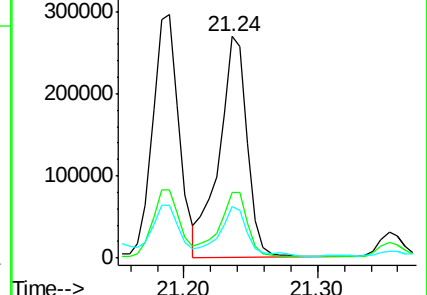
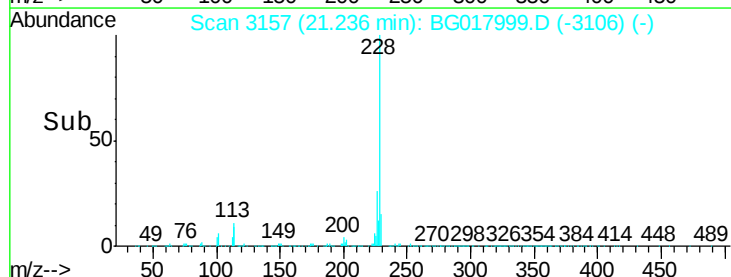
229 23.1 17.7 26.5

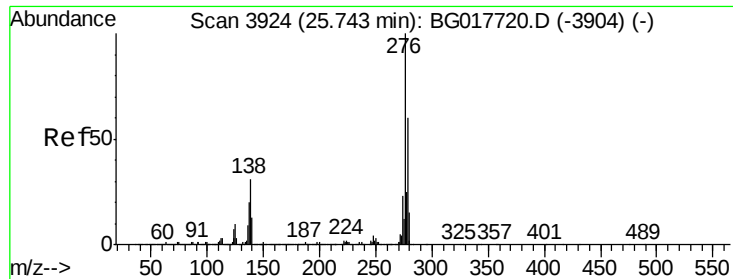


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

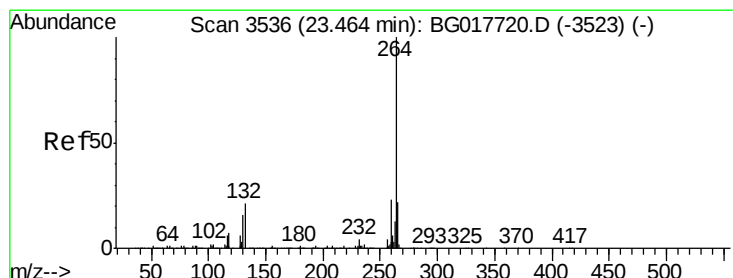
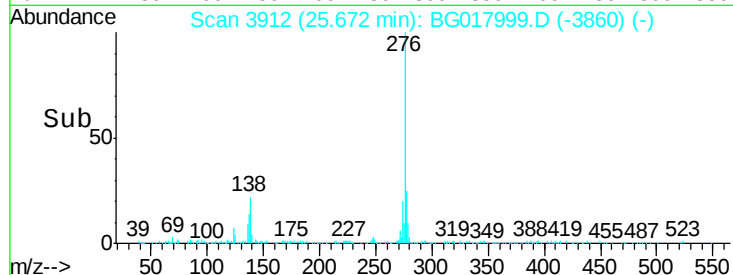
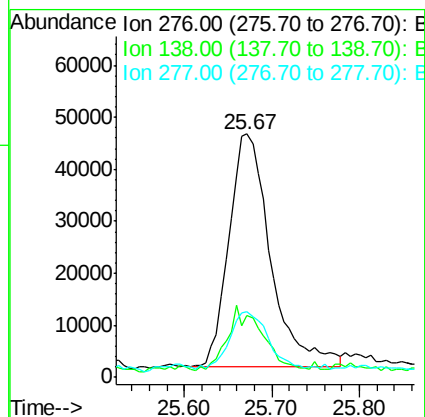
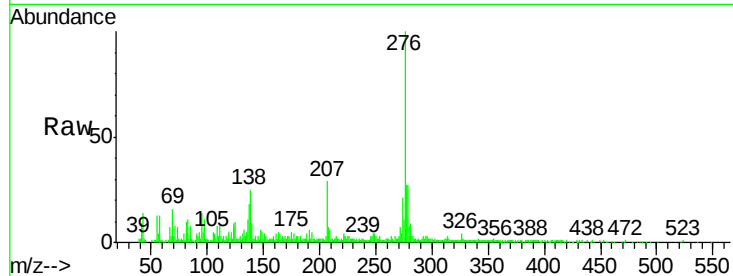




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.64 ng
 RT: 25.67 min Scan# 3912
 Delta R.T. 0.01 min
 Lab File: BG017999.D
 Acq: 20 Jul 2015 21:13

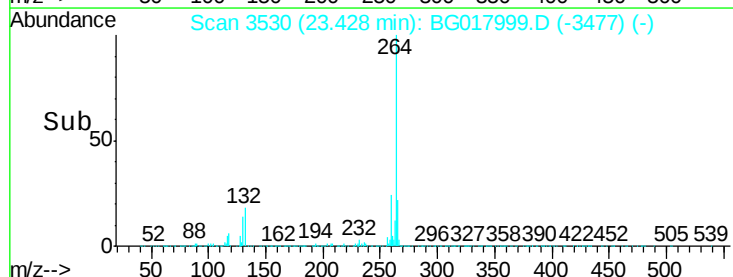
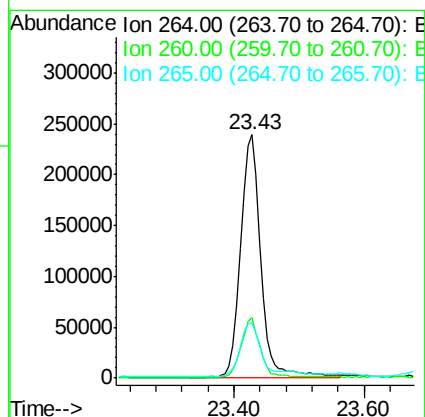
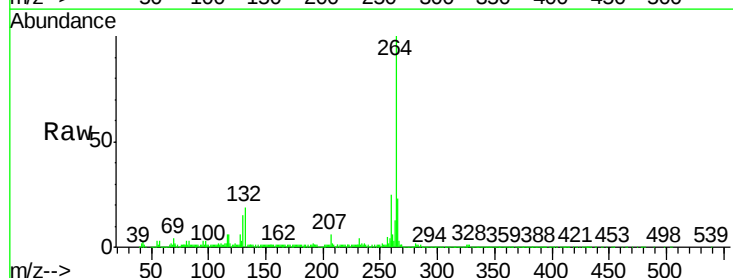
Instrument :
 BNA_G
 ClientSampleId :
 UST-2(0-2)

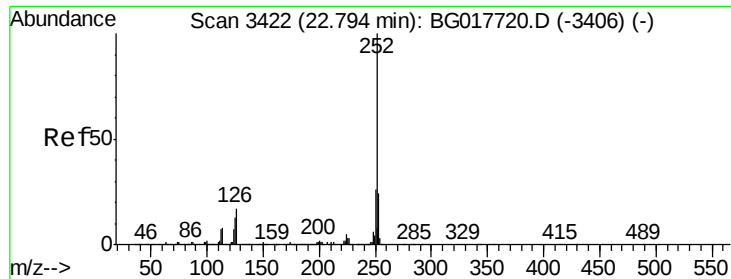
Tot Ion:276 Resp: 145430
 Ion Ratio Lower Upper
 276 100
 138 23.0 25.4 38.0#
 277 22.3 21.0 31.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.43 min Scan# 3530
 Delta R.T. 0.01 min
 Lab File: BG017999.D
 Acq: 20 Jul 2015 21:13

Tgt Ion:264 Resp: 511794
 Ion Ratio Lower Upper
 264 100
 260 24.8 18.6 27.8
 265 23.0 18.2 27.2





#87

Benzo(b)fluoranthene

Concen: 20.30 ng

RT: 22.76 min Scan# 3416

Delta R.T. 0.01 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

Instrument :

BNA_G

ClientSampleId :

UST-2(0-2)

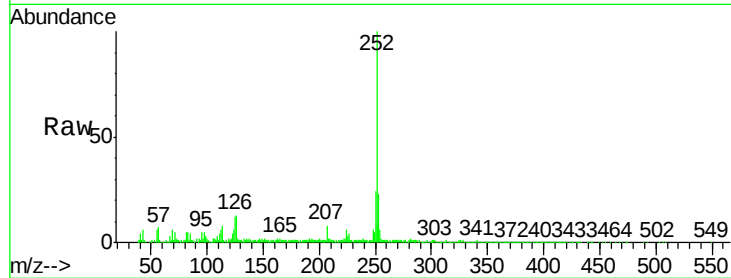
Tot Ion:252 Resp: 568514

Ion Ratio Lower Upper

252 100

253 22.6 19.7 29.5

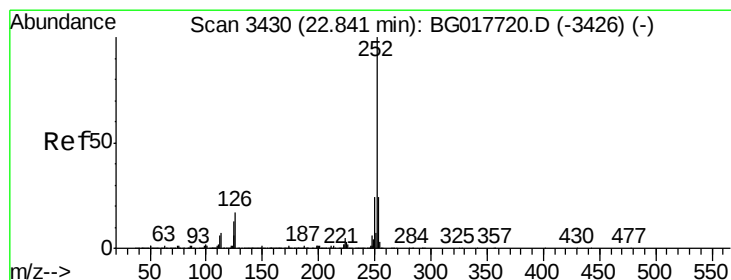
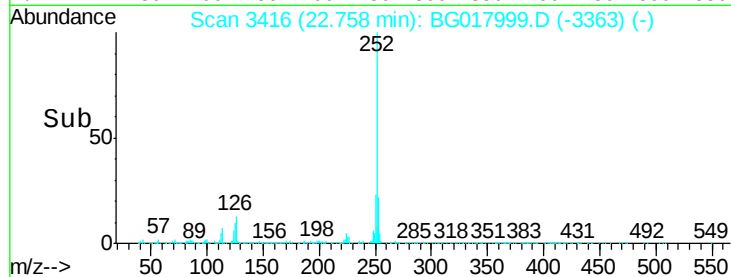
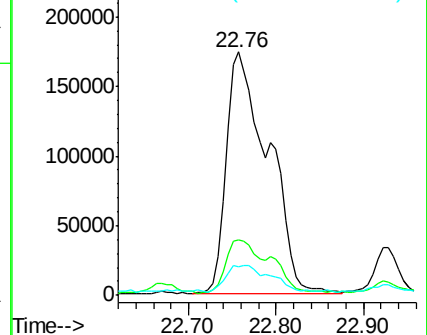
125 12.0 10.6 15.8



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



#88

Benzo(k)fluoranthene

Concen: 20.33 ng

RT: 22.76 min Scan# 3416

Delta R.T. -0.04 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

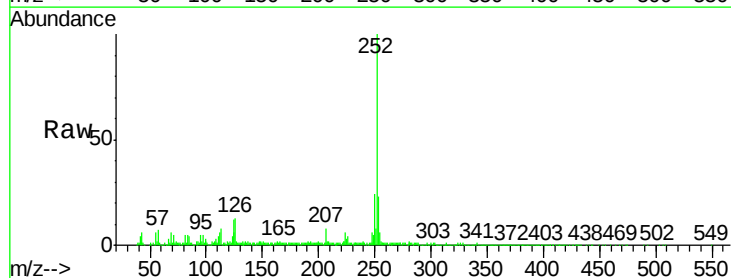
Tgt Ion:252 Resp: 568514

Ion Ratio Lower Upper

252 100

253 22.6 19.0 28.6

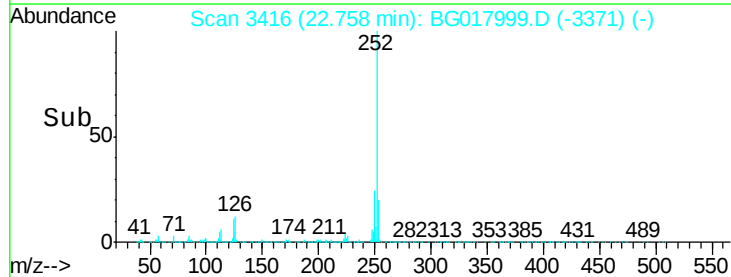
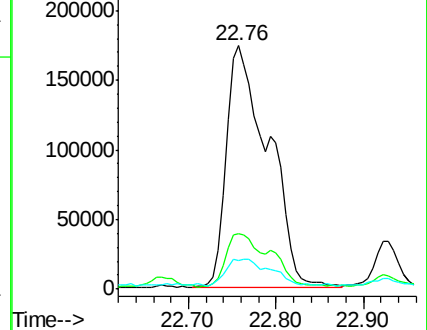
125 12.0 10.3 15.5

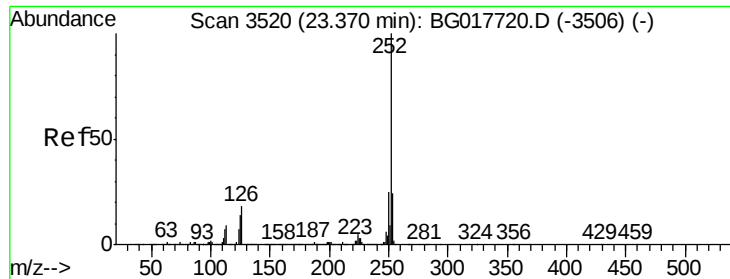


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 12.76 ng

RT: 23.33 min Scan# 3513

Delta R.T. 0.01 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

Instrument :

BNA_G

ClientSampleId :

UST-2(0-2)

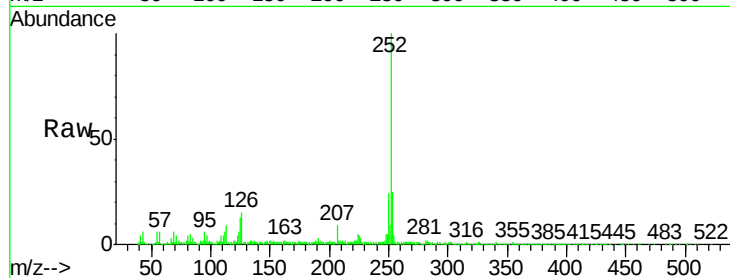
Tot Ion:252 Resp: 333018

Ion Ratio Lower Upper

252 100

253 24.8 19.0 28.6

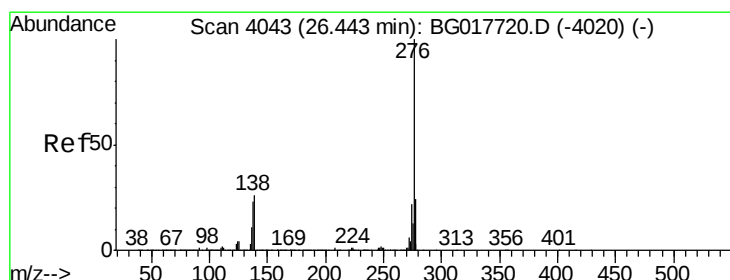
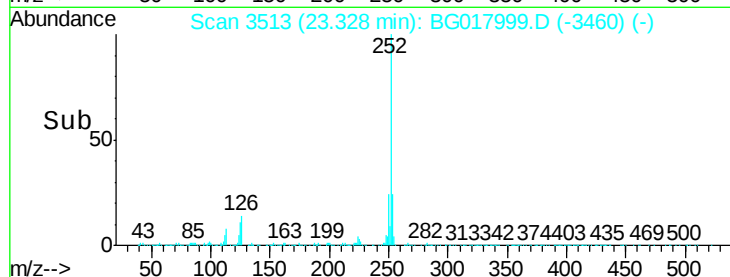
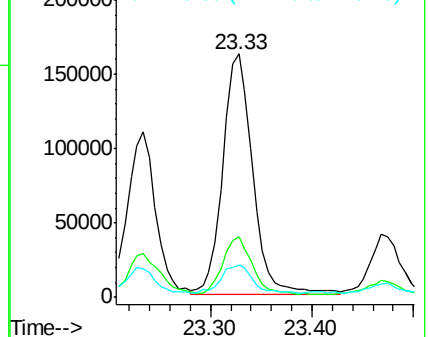
125 13.2 11.1 16.7



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



#91

Benzo(g,h,i)perylene

Concen: 5.21 ng

RT: 26.36 min Scan# 4029

Delta R.T. 0.01 min

Lab File: BG017999.D

Acq: 20 Jul 2015 21:13

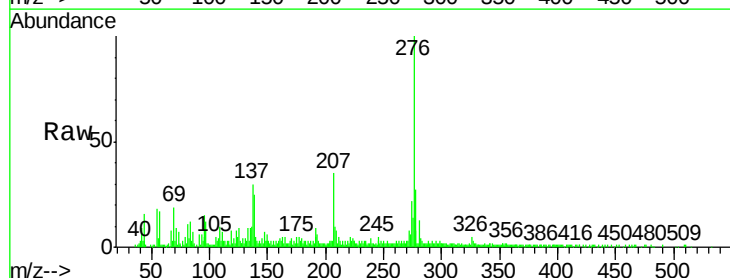
Tgt Ion:276 Resp: 136001

Ion Ratio Lower Upper

276 100

277 26.6 18.9 28.3

138 25.3 20.8 31.2



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

