

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
 Data File : BG021745.D
 Acq On : 18 Apr 2016 22:17
 Operator : UM/SJ
 Sample : H2544-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SYSDIS-041316

Quant Time: Apr 19 03:38:54 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

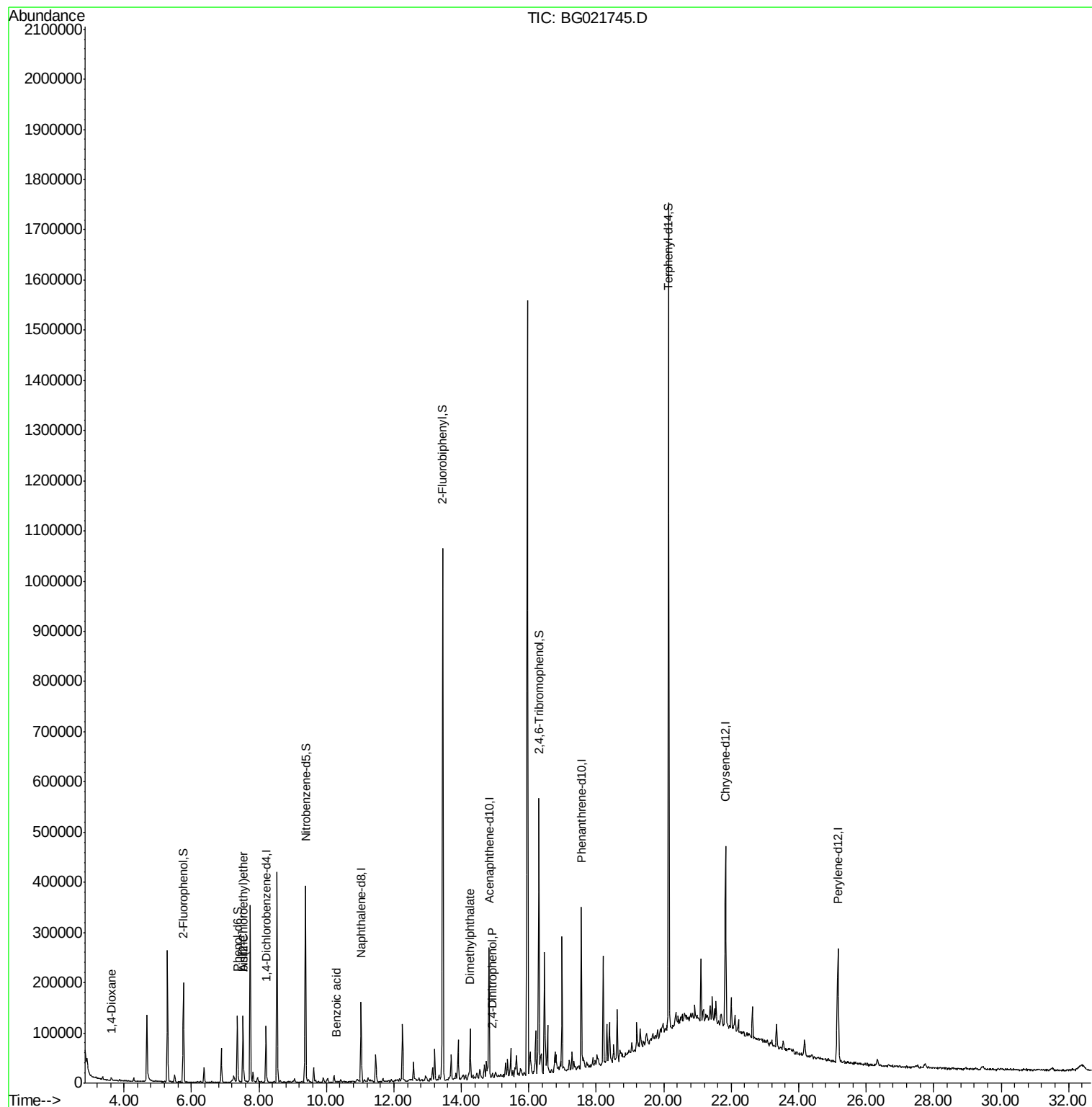
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	32071	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	139342	20.00	ng	-0.01
38) Acenaphthene-d10	14.82	164	88378	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	203445	20.00	ng	-0.01
75) Chrysene-d12	21.83	240	230239	20.00	ng	0.00
86) Perylene-d12	25.16	264	224387	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	86938	45.14	ng	0.00
7) Phenol-d6	7.36	99	80448	27.96	ng	0.00
23) Nitrobenzene-d5	9.38	82	245084	90.40	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	100598	105.62	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	555751	92.13	ng	-0.01
78) Terphenyl-d14	20.14	244	737285	79.90	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.63	88	3283	3.83	ng	# 66
6) Aniline	7.53	93	92127	24.21	ng	96
11) bis(2-Chloroethyl)ether	7.53	93	92127	37.20	ng	# 16
32) Benzoic acid	10.29	122	69	4.32	ng	# 73
49) Dimethylphthalate	14.26	163	60252	7.88	ng	99
53) 2,4-Dinitrophenol	14.93	184	295	7.93	ng	# 47

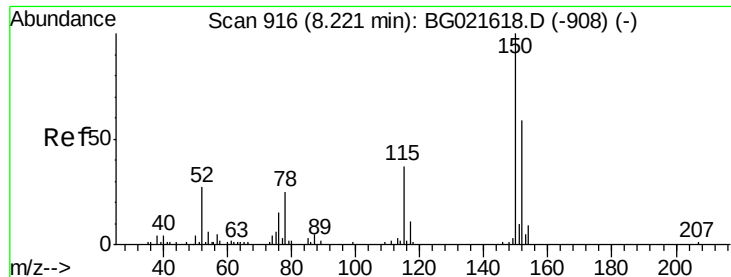
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 914

Delta R.T. -0.01 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_G

ClientSampleId :

SYSDIS-041316

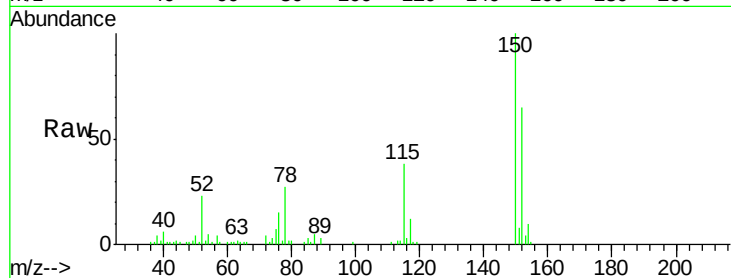
Tgt Ion:152 Resp: 32071

Ion Ratio Lower Upper

152 100

150 153.0 130.1 195.1

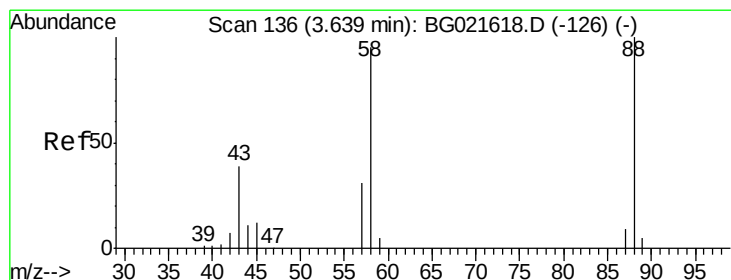
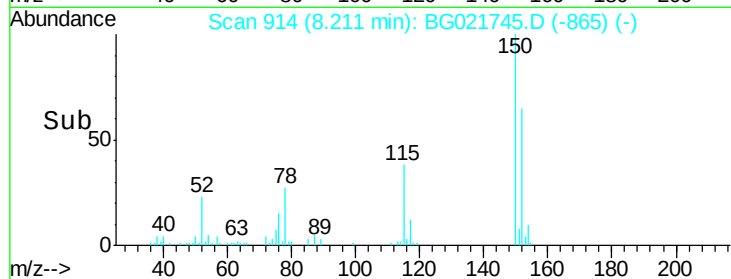
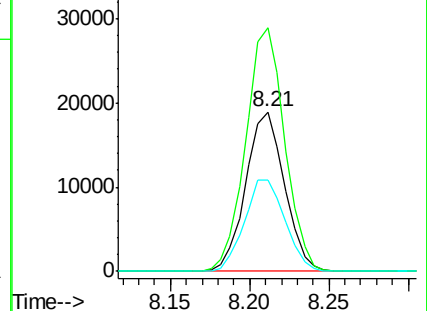
115 57.5 62.2 93.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.83 ng

RT: 3.63 min Scan# 134

Delta R.T. -0.01 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

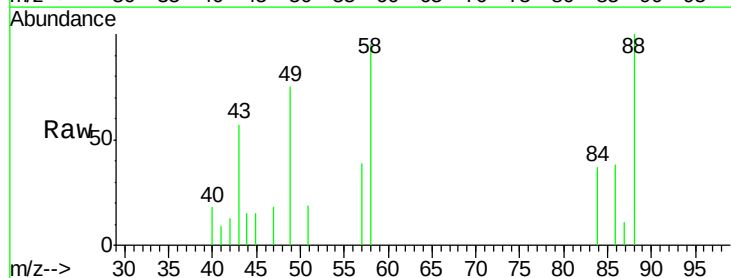
Tgt Ion: 88 Resp: 3283

Ion Ratio Lower Upper

88 100

58 107.4 61.8 92.8#

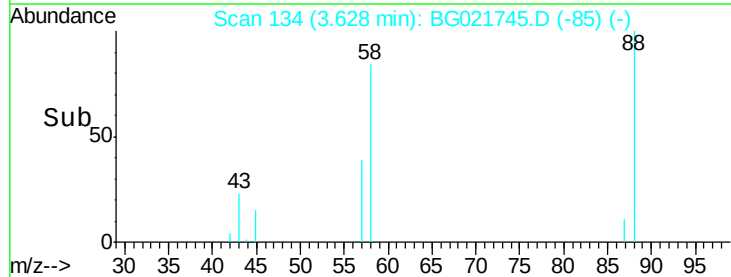
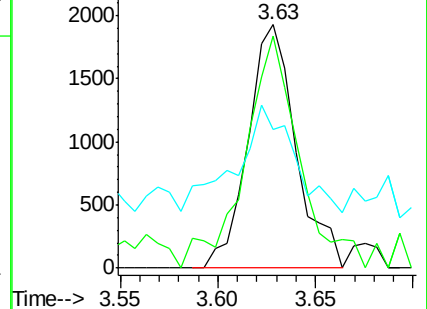
43 52.1 27.3 40.9#

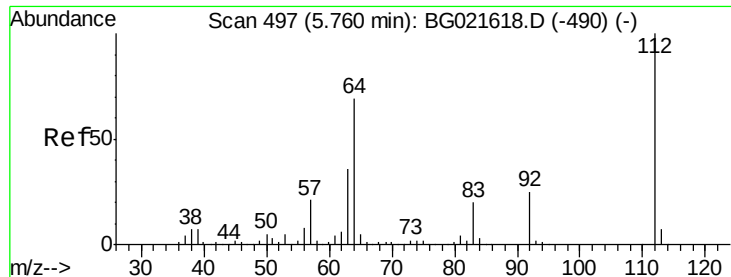


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 45.14 ng

RT: 5.76 min Scan# 497

Delta R.T. 0.00 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_G

ClientSampleId :

SYSDIS-041316

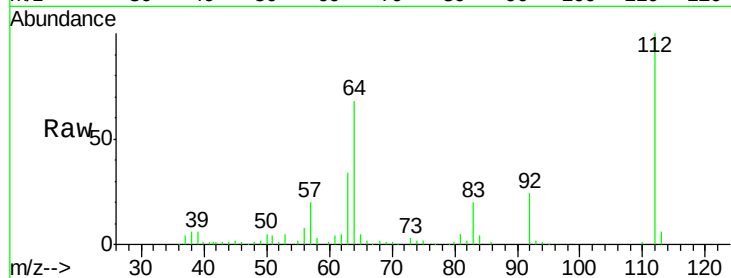
Tgt Ion: 112 Resp: 86938

Ion Ratio Lower Upper

112 100

64 68.5 51.1 76.7

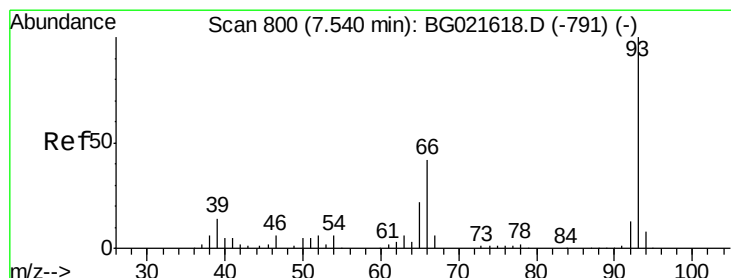
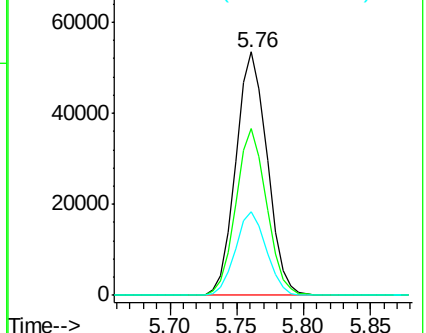
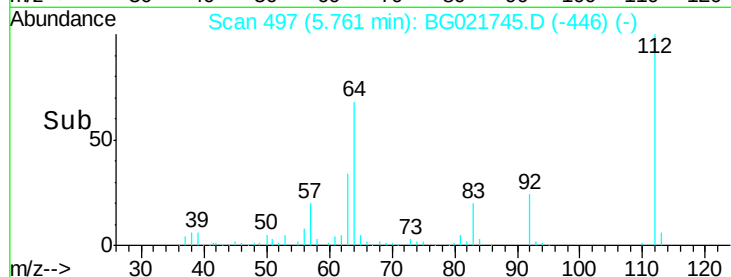
63 34.4 24.6 37.0



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



#6

Aniline

Concen: 24.21 ng

RT: 7.53 min Scan# 798

Delta R.T. -0.01 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

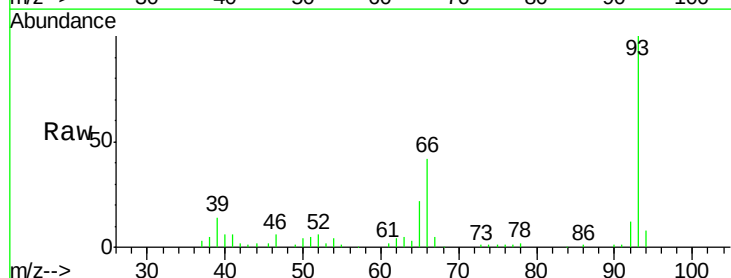
Tgt Ion: 93 Resp: 92127

Ion Ratio Lower Upper

93 100

66 41.7 36.3 54.5

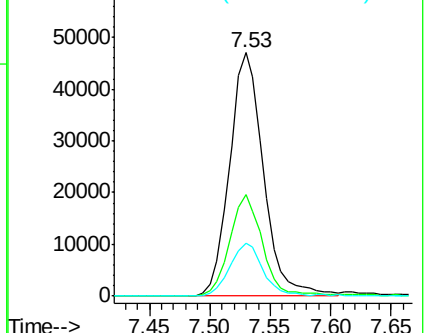
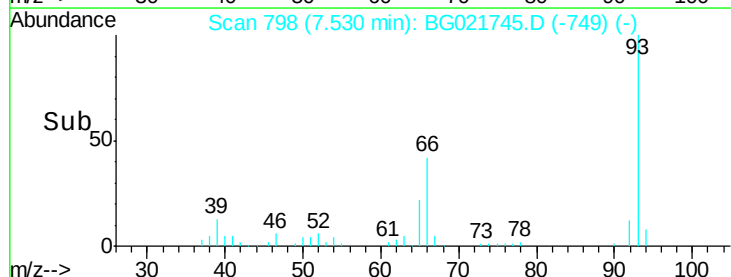
65 22.0 18.4 27.6

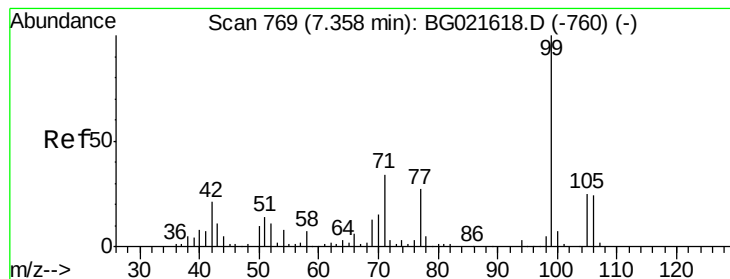


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 27.96 ng

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_G

ClientSampleId :

SYSDIS-041316

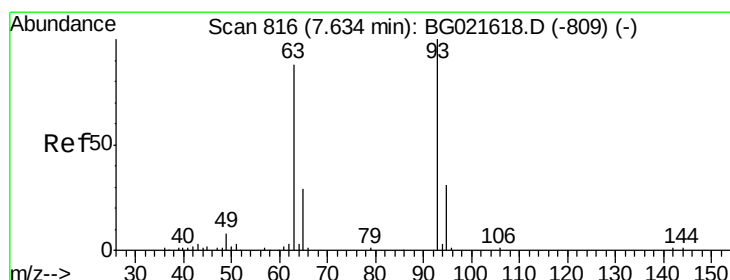
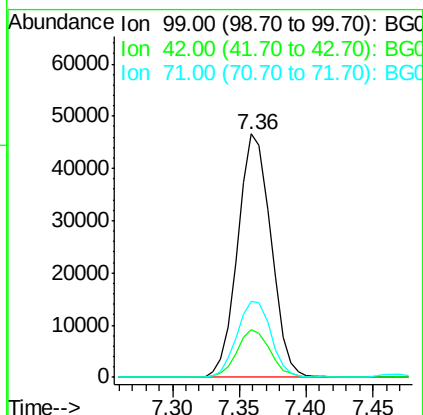
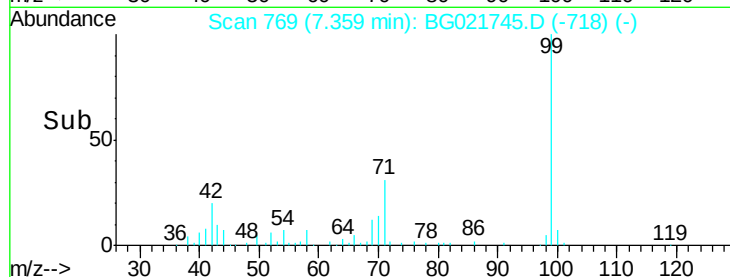
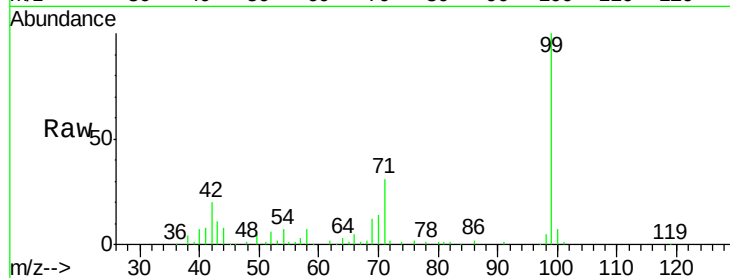
Tgt Ion: 99 Resp: 80448

Ion Ratio Lower Upper

99 100

42 19.6 16.4 24.6

71 31.1 25.0 37.4



#11

bis(2-Chloroethyl)ether

Concen: 37.20 ng

RT: 7.53 min Scan# 798

Delta R.T. -0.10 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

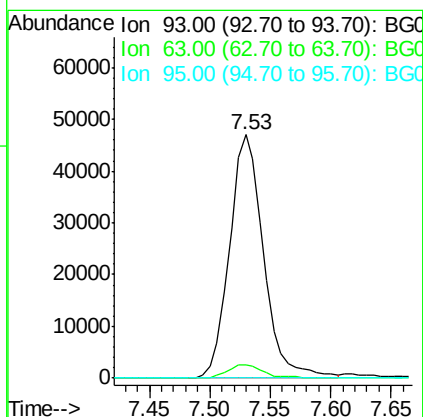
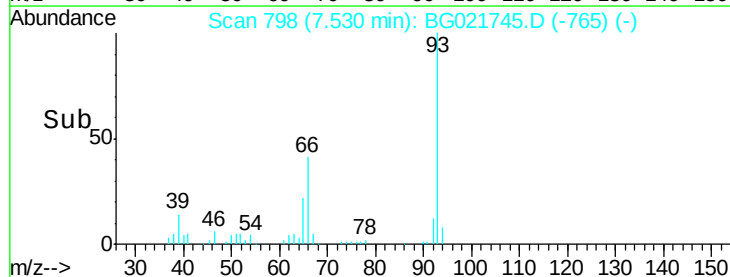
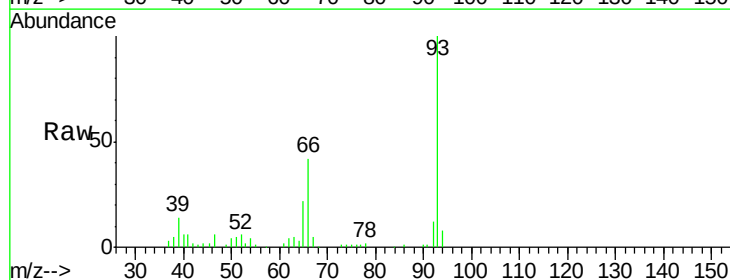
Tgt Ion: 93 Resp: 92127

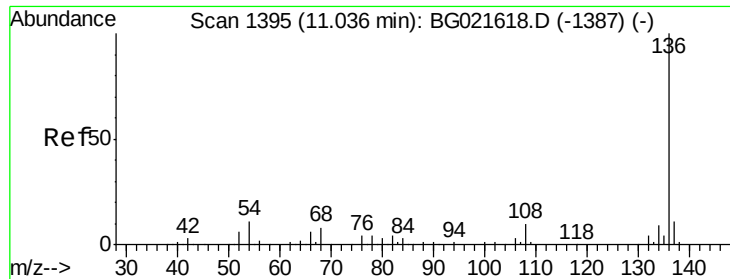
Ion Ratio Lower Upper

93 100

63 5.2 74.9 114.9#

95 0.0 8.3 48.3#

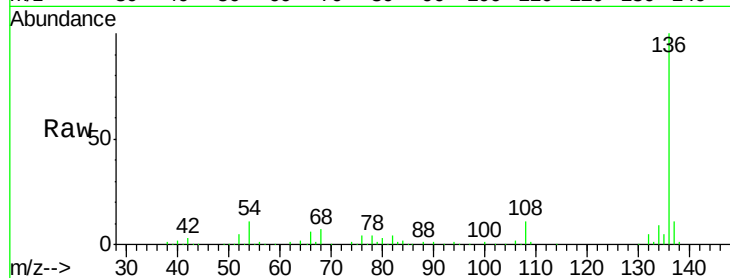




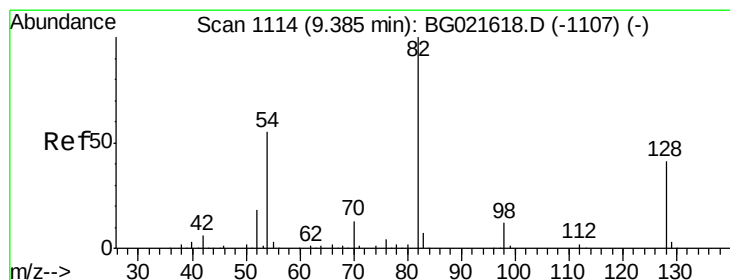
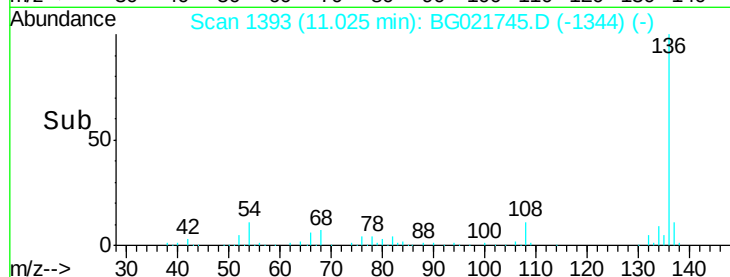
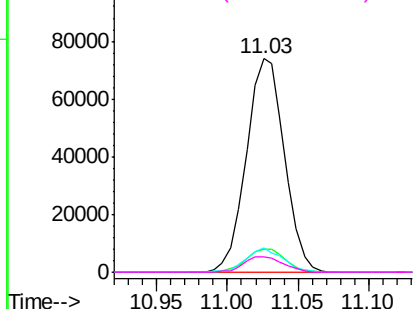
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BG021745.D
Acq: 18 Apr 2016 22:17

Instrument :
BNA_G
ClientSampleId :
SYSDIS-041316

Tgt Ion:	136	Resp:	139342
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	11.5	9.6	14.4
68	7.1	6.4	9.6

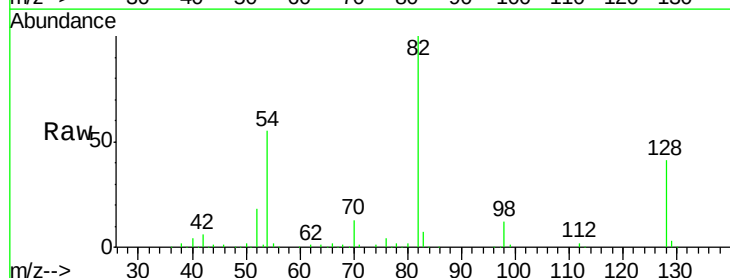


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

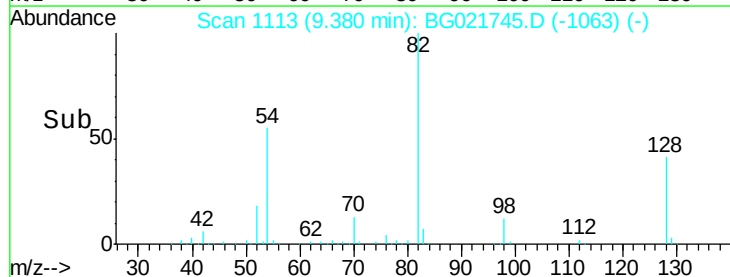
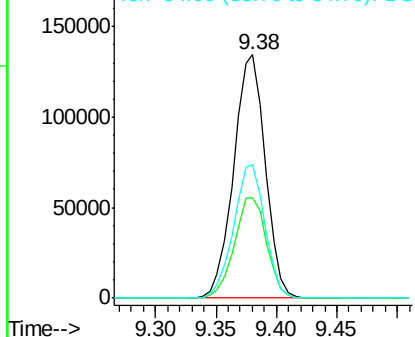


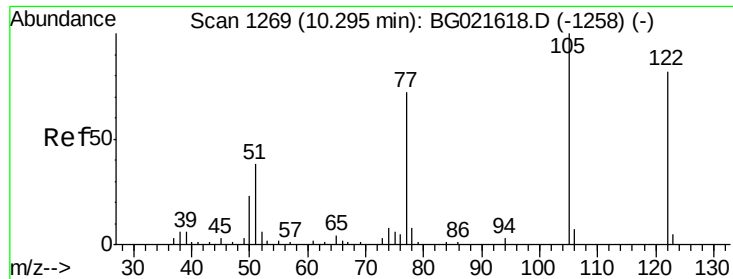
#23
Nitrobenzene-d5
Concen: 90.40 ng
RT: 9.38 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BG021745.D
Acq: 18 Apr 2016 22:17

Tgt Ion:	82	Resp:	245084
Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.4	50.0
54	55.0	46.1	69.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 4.32 ng

RT: 10.29 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_G

ClientSampleId :

SYSDIS-041316

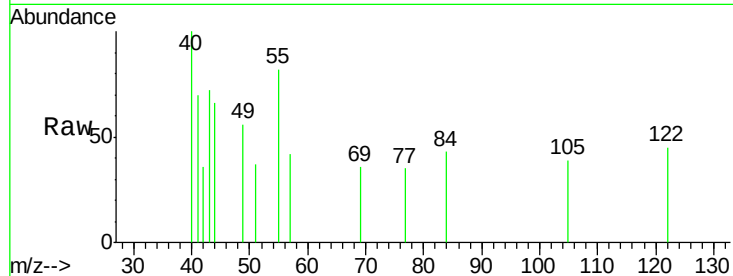
Tgt Ion:122 Resp: 69

Ion Ratio Lower Upper

122 100

105 88.3 104.5 144.5#

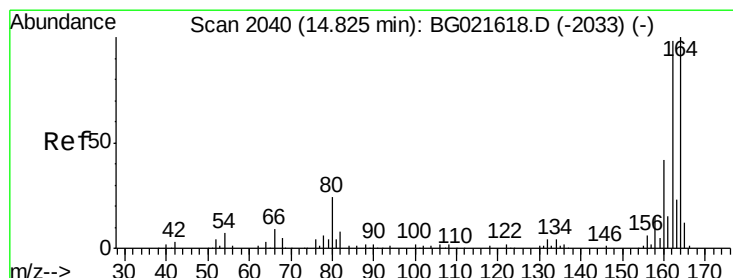
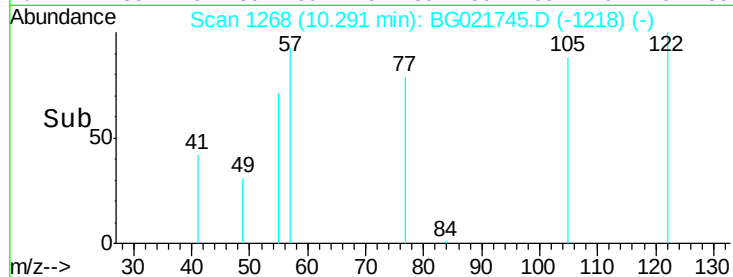
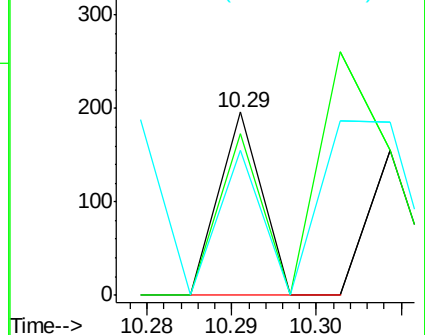
77 79.1 79.9 119.9#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

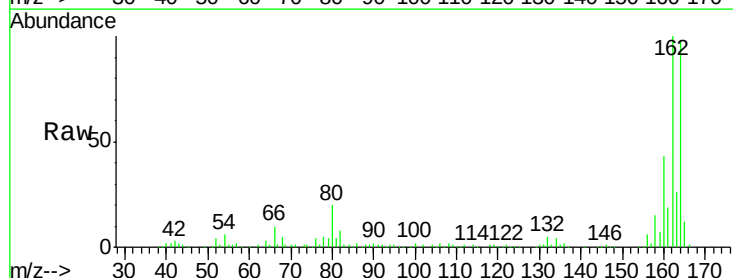
Tgt Ion:164 Resp: 88378

Ion Ratio Lower Upper

164 100

162 102.1 78.0 117.0

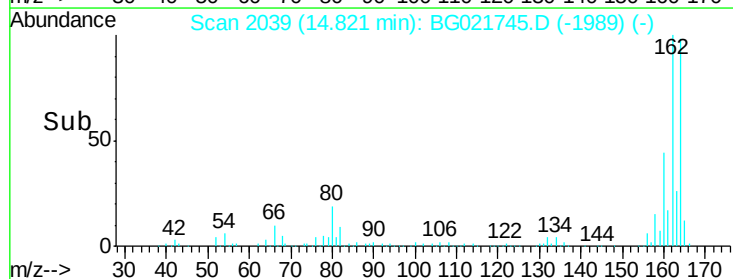
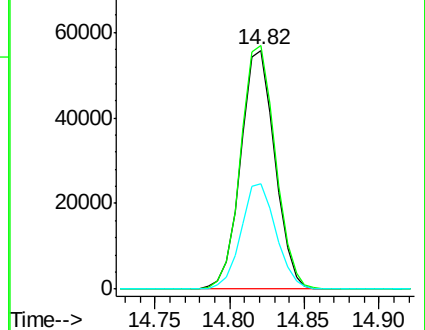
160 44.3 32.9 49.3

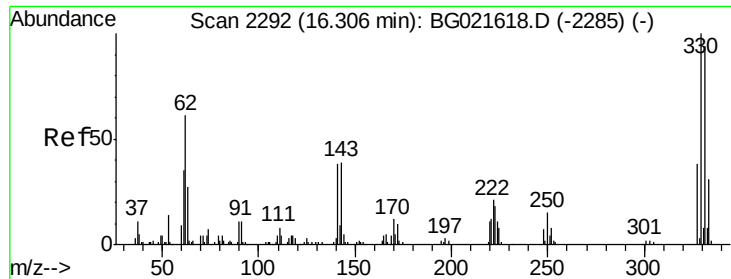


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

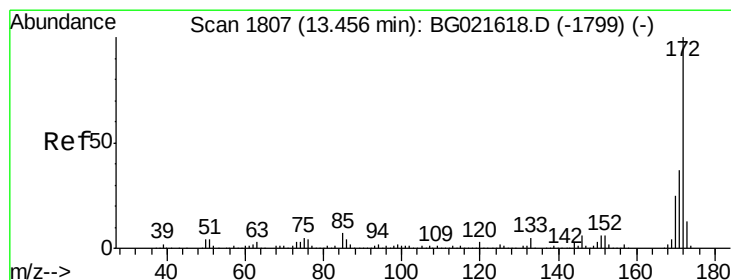
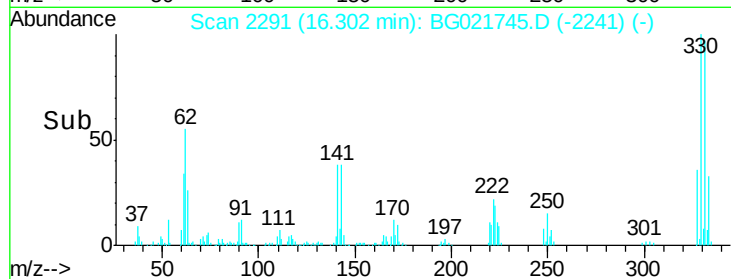
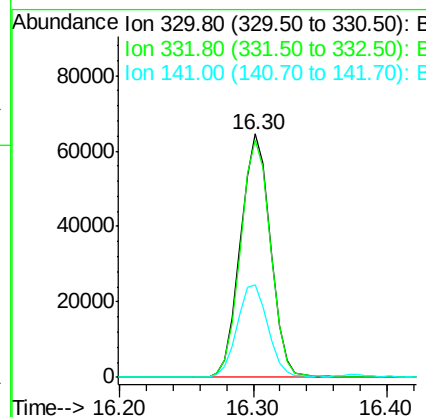
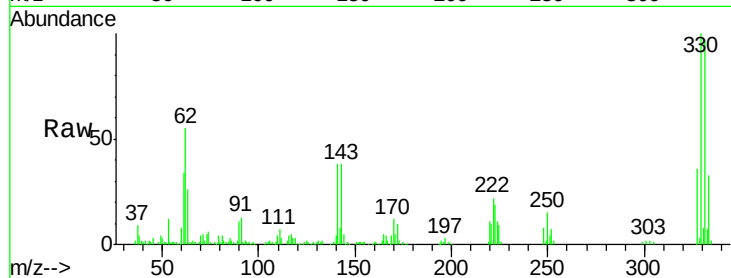




#41
 2,4,6-Tribromophenol
 Concen: 105.62 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: BG021745.D
 Acq: 18 Apr 2016 22:17

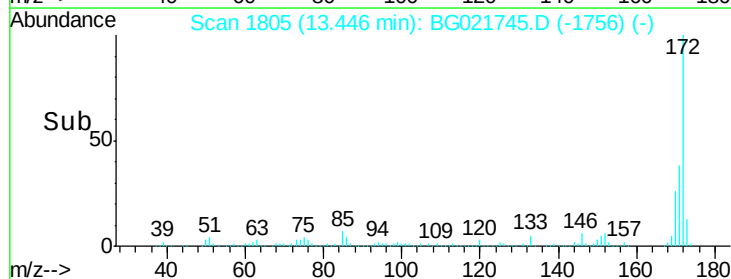
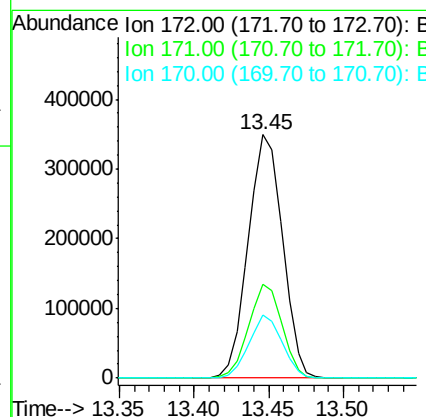
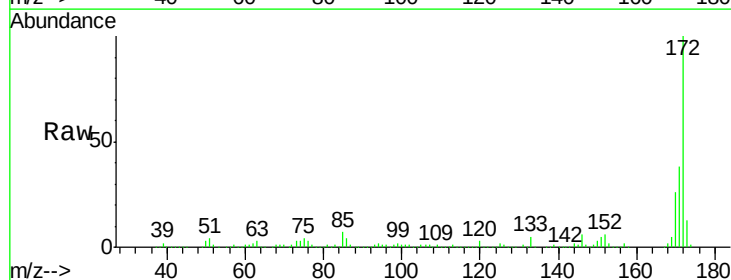
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 SYSDIS-041316

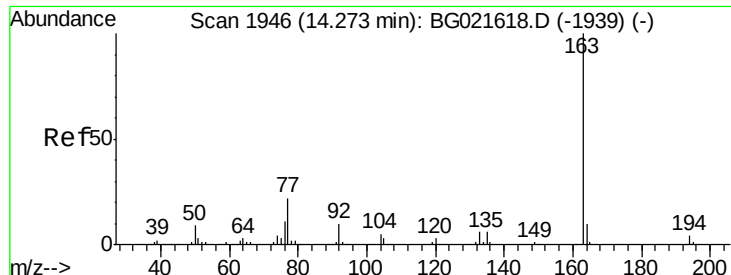
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.0	117.0
141	39.5	33.8	50.8



#44
 2-Fluorobiphenyl
 Concen: 92.13 ng
 RT: 13.45 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BG021745.D
 Acq: 18 Apr 2016 22:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	27.8	41.6
170	25.8	19.6	29.4





#49

Dimethylphthalate

Concen: 7.88 ng

RT: 14.26 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_G

ClientSampleId :

SYSDIS-041316

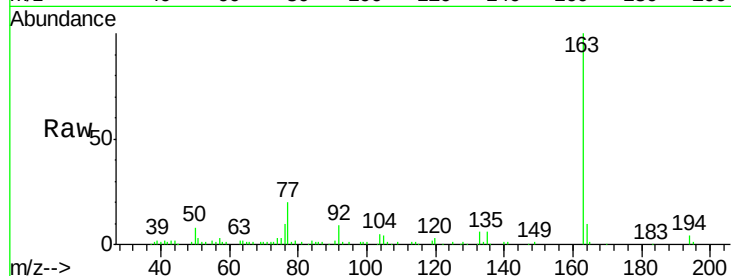
Tgt Ion:163 Resp: 60252

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

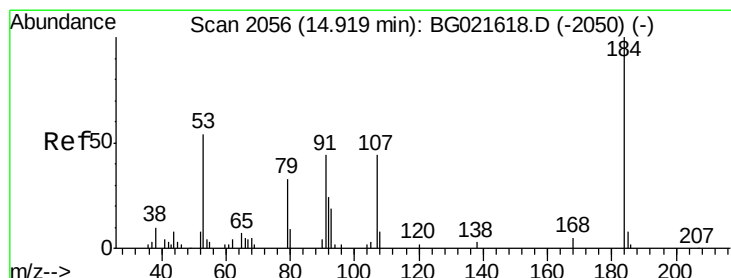
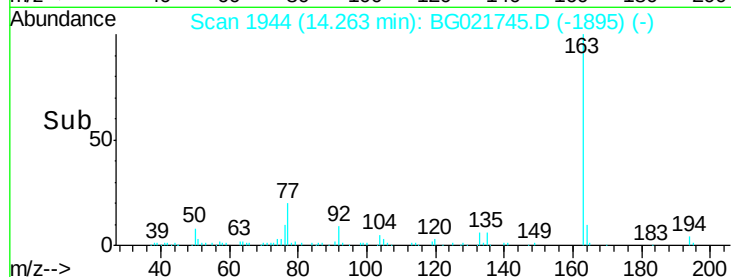
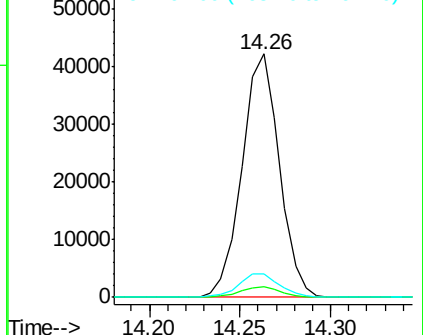
164 9.7 8.1 12.1



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



#53

2,4-Dinitrophenol

Concen: 7.93 ng

RT: 14.93 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

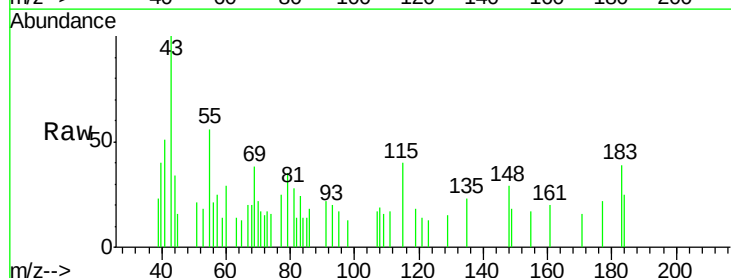
Tgt Ion:184 Resp: 295

Ion Ratio Lower Upper

184 100

63 53.6 57.3 85.9#

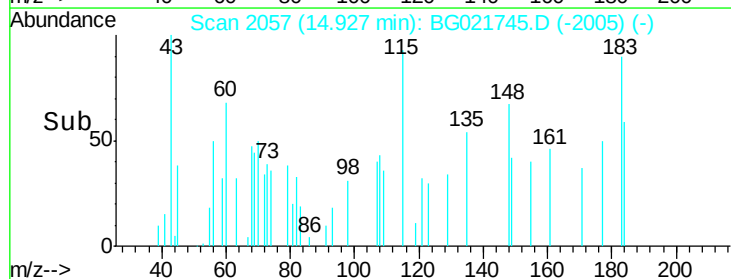
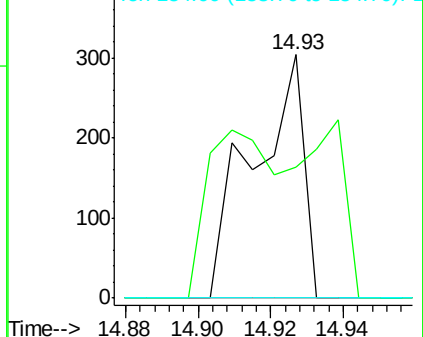
154 0.0 55.2 82.8#

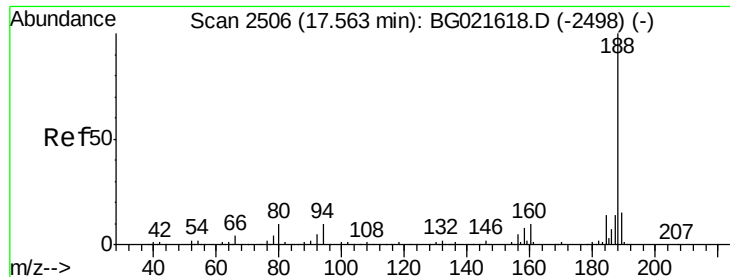


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

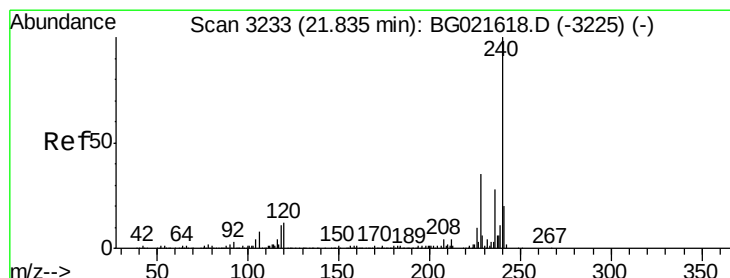
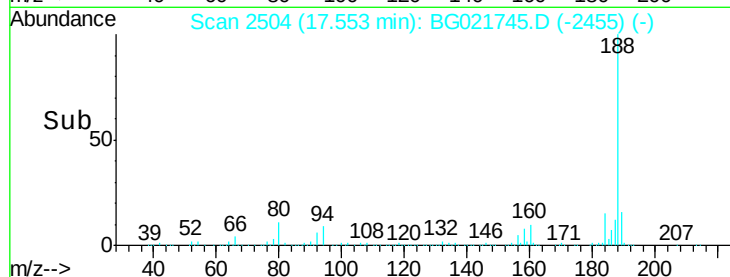
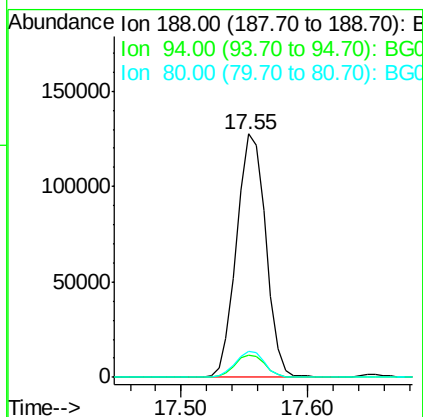
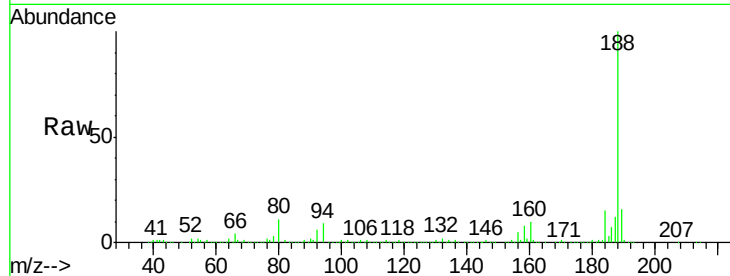




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BG021745.D
Acq: 18 Apr 2016 22:17

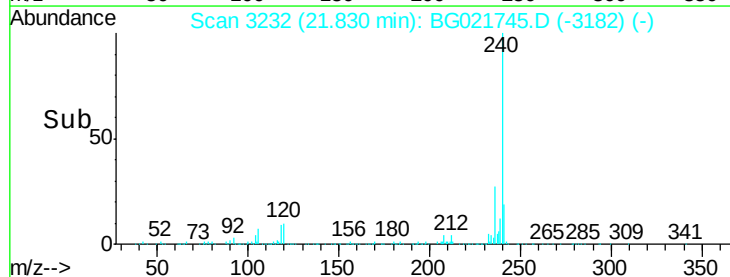
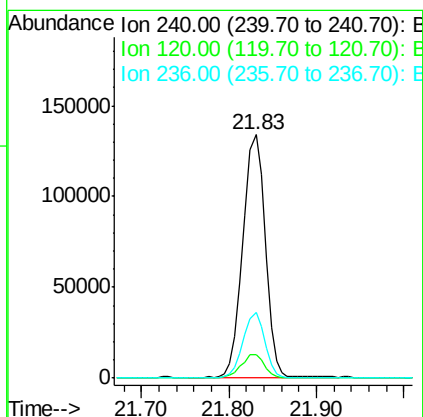
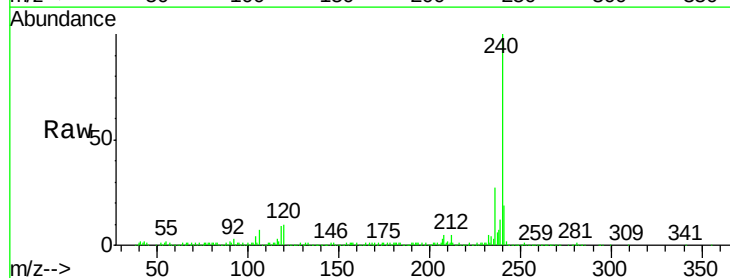
Instrument :
BNA_G
ClientSampleId :
SYSDIS-041316

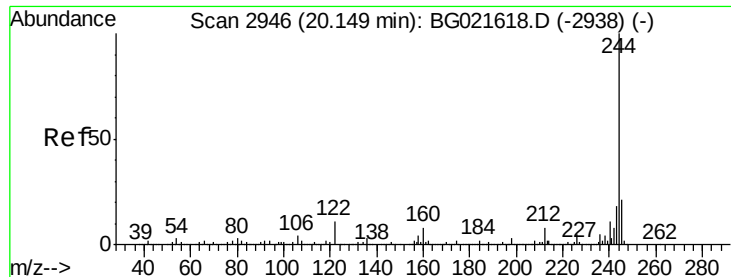
Tgt Ion:188 Resp: 203445
Ion Ratio Lower Upper
188 100
94 9.0 7.5 11.3
80 10.9 8.6 13.0



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.00 min
Lab File: BG021745.D
Acq: 18 Apr 2016 22:17

Tgt Ion:240 Resp: 230239
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 27.0 19.6 29.4





#78

Terphenyl-d14

Concen: 79.90 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.00 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_G

ClientSampleId :

SYSDIS-041316

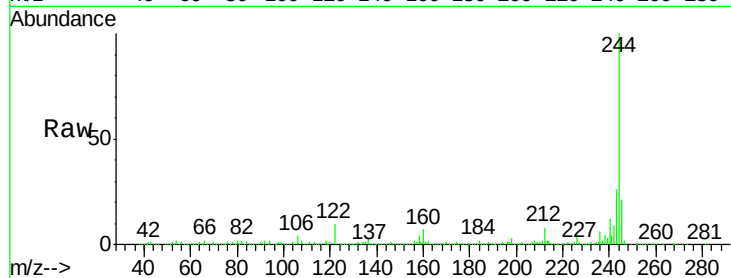
Tgt Ion:244 Resp: 737285

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

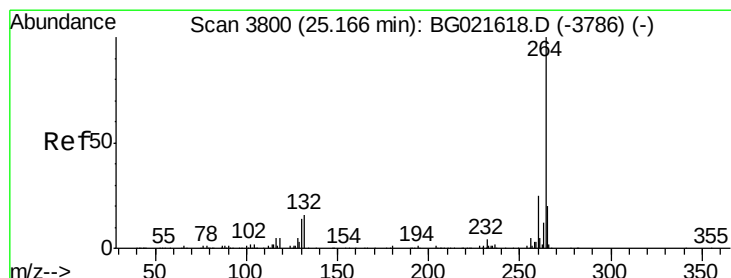
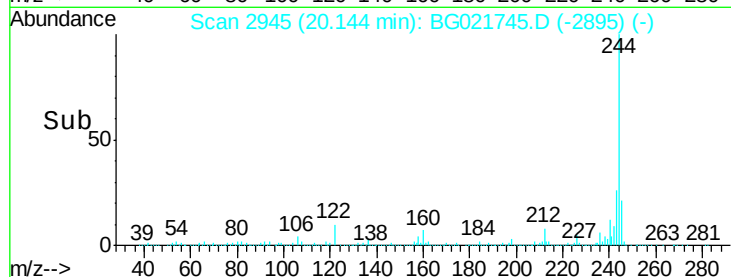
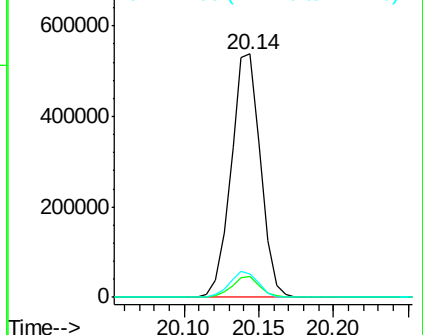
122 9.8 8.6 12.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.16 min Scan# 3799

Delta R.T. -0.00 min

Lab File: BG021745.D

Acq: 18 Apr 2016 22:17

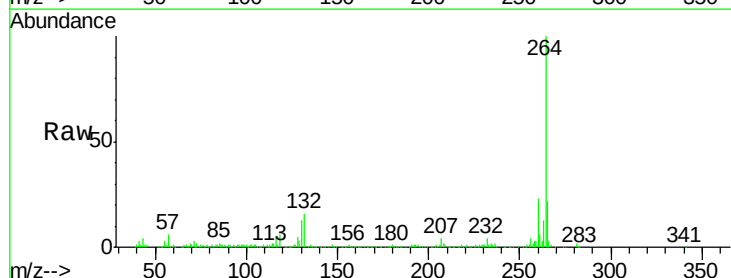
Tgt Ion:264 Resp: 224387

Ion Ratio Lower Upper

264 100

260 23.5 20.2 30.4

265 21.8 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

