

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061317\
 Data File : BG027406.D
 Acq On : 14 Jun 2017 4:16
 Operator : SJ/MA
 Sample : I3630-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Quant Time: Jun 14 07:50:44 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:00:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.54	152	49953	20.00	ng	-0.04
21) Naphthalene-d8	11.35	136	221162	20.00	ng	-0.04
38) Acenaphthene-d10	15.12	164	127945	20.00	ng	-0.04
63) Phenanthrene-d10	17.87	188	338283	20.00	ng	-0.04
75) Chrysene-d12	22.25	240	401073	20.00	ng	-0.06
86) Perylene-d12	25.91	264	371800	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	479518	146.48	ng	-0.03
7) Phenol-d6	7.68	99	616489	128.30	ng	-0.03
23) Nitrobenzene-d5	9.70	82	405622	115.34	ng	-0.04
41) 2,4,6-Tribromophenol	16.60	330	297080	176.33	ng	-0.04
44) 2-Fluorobiphenyl	13.75	172	858311	93.85	ng	-0.04
78) Terphenyl-d14	20.44	244	1652295	105.09	ng	-0.05

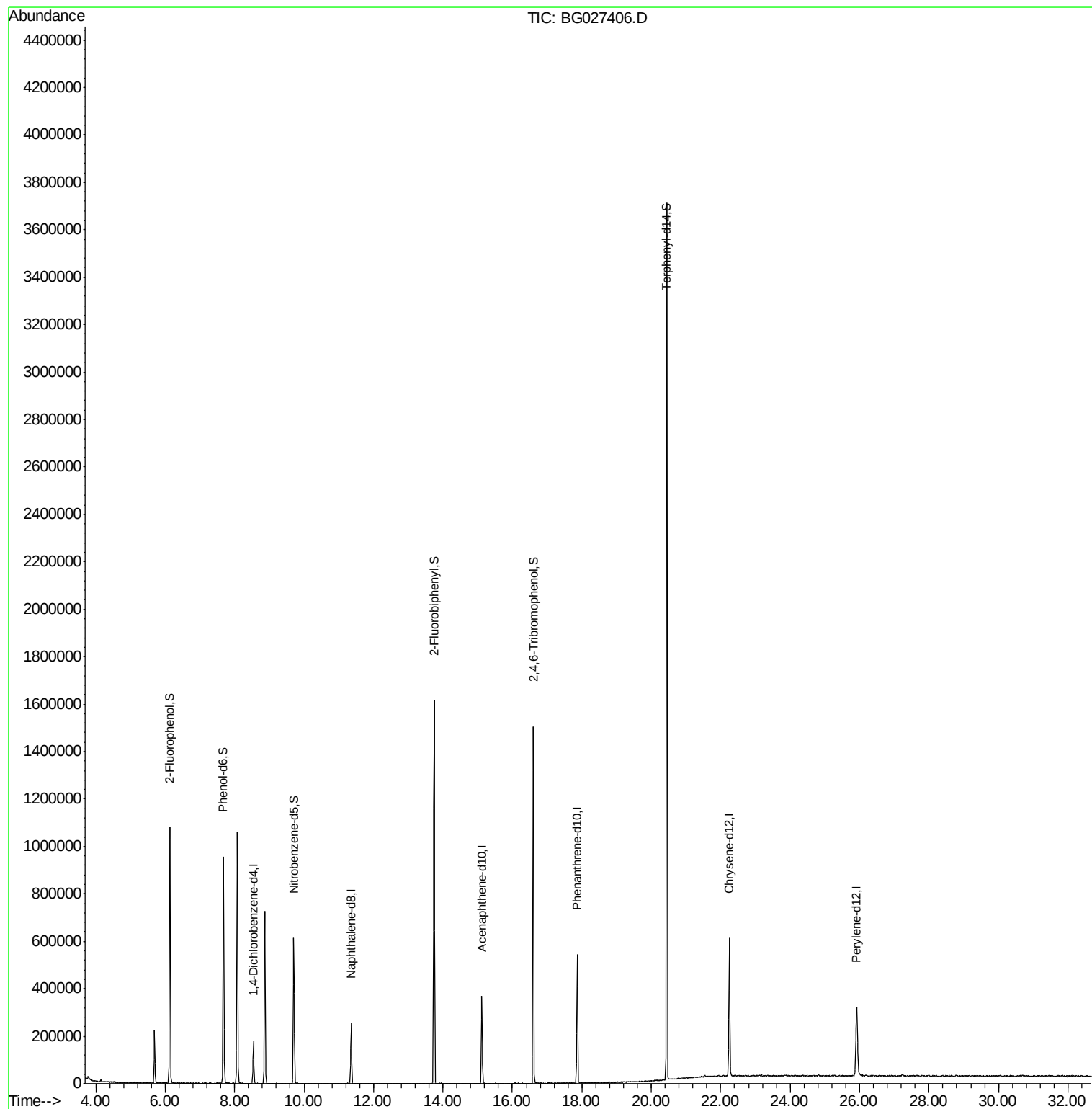
Target Compounds Qvalue

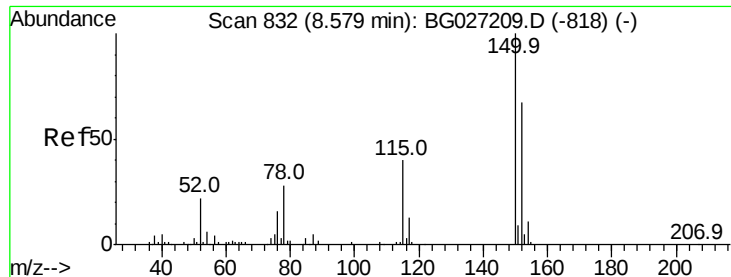
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.54 min Scan# 826

Delta R.T. -0.04 min

Lab File: BG027406.D

Acq: 14 Jun 2017 4:16

Instrument :

BNA_G

ClientSampleId :

TP-9

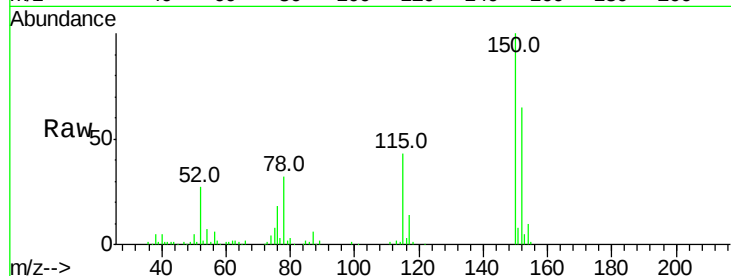
Tot Ion:152 Resp: 49953

Ion Ratio Lower Upper

152 100

150 154.9 114.0 171.0

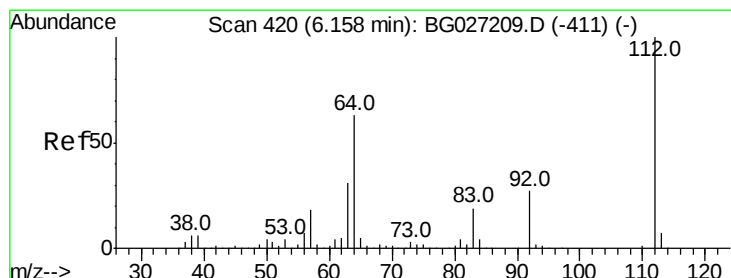
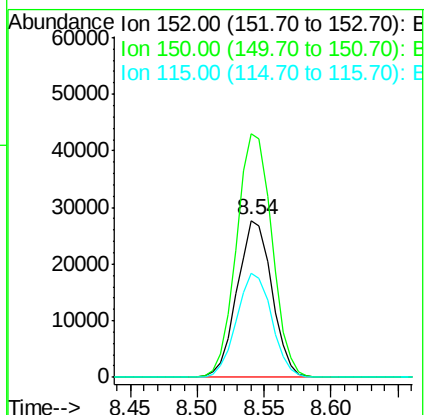
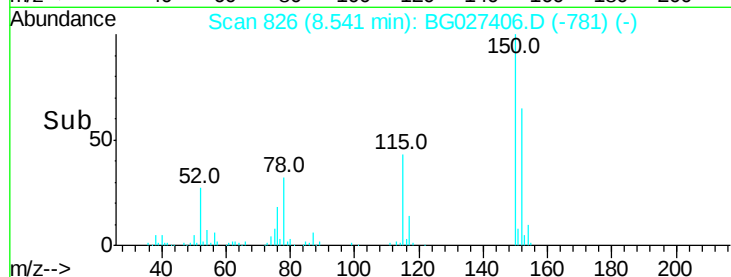
115 65.9 48.1 72.1



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: 146.48 ng

RT: 6.13 min Scan# 416

Delta R.T. -0.03 min

Lab File: BG027406.D

Acq: 14 Jun 2017 4:16

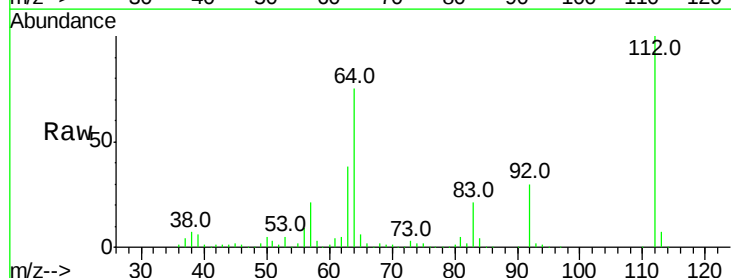
Tgt Ion:112 Resp: 479518

Ion Ratio Lower Upper

112 100

64 74.5 61.8 92.6

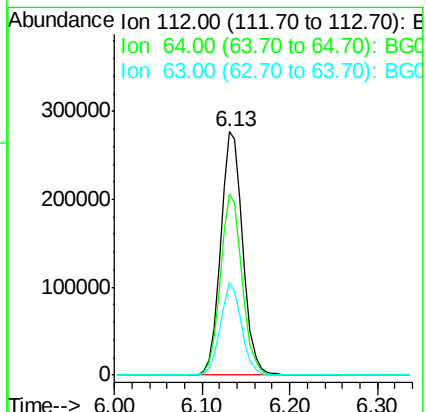
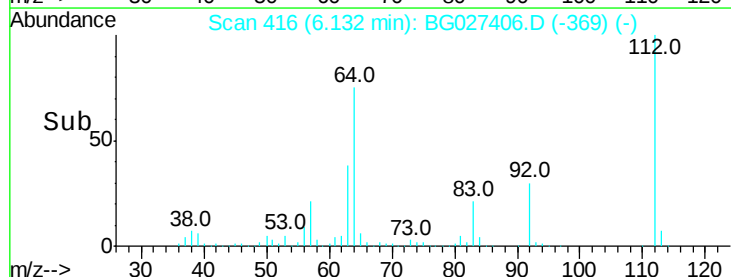
63 38.0 37.2 55.8



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: 128.30 ng

RT: 7.68 min Scan# 679

Delta R.T. -0.03 min

Lab File: BG027406.D

Acq: 14 Jun 2017 4:16

Instrument :

BNA_G

ClientSampleId :

TP-9

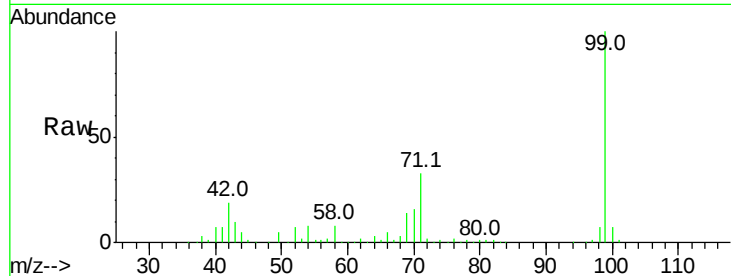
Tot Ion: 99 Resp: 616489

Ion Ratio Lower Upper

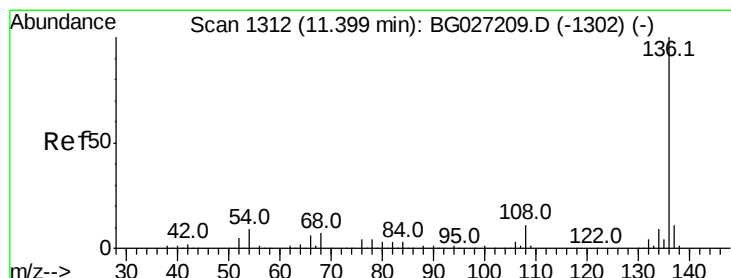
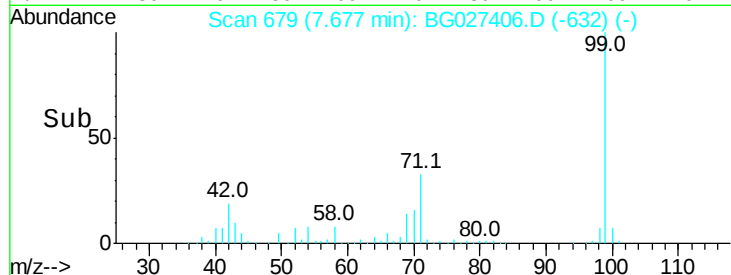
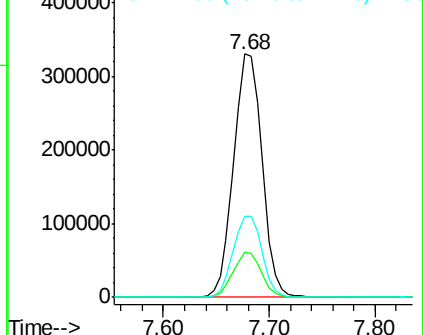
99 100

42 18.6 20.5 30.7#

71 33.4 37.6 56.4#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.35 min Scan# 1305

Delta R.T. -0.04 min

Lab File: BG027406.D

Acq: 14 Jun 2017 4:16

Tgt Ion: 136 Resp: 221162

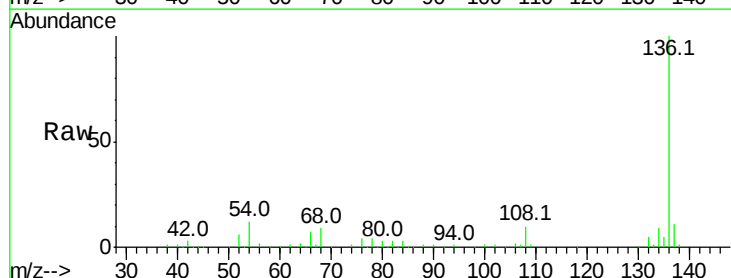
Ion Ratio Lower Upper

136 100

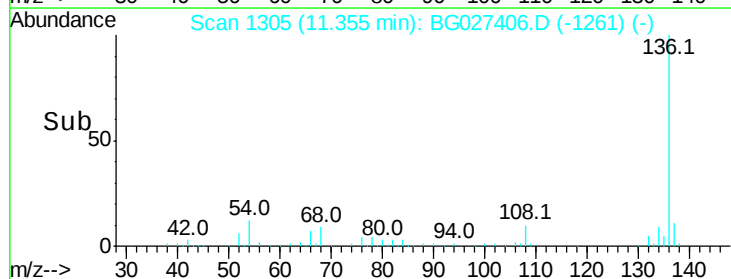
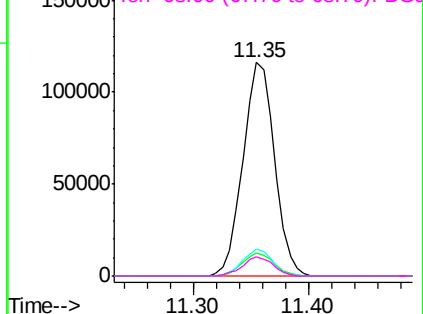
137 10.8 8.9 13.3

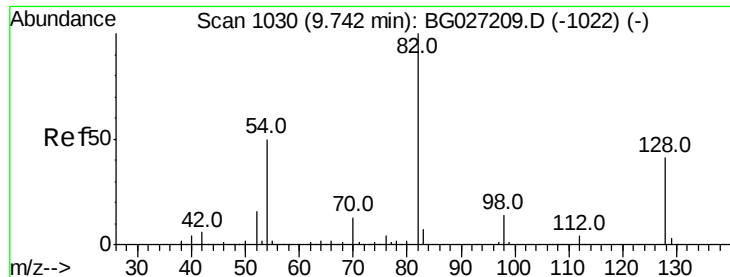
54 12.4 9.3 13.9

68 8.9 5.1 7.7#



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

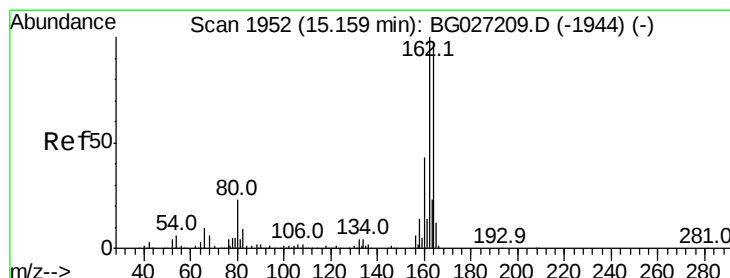
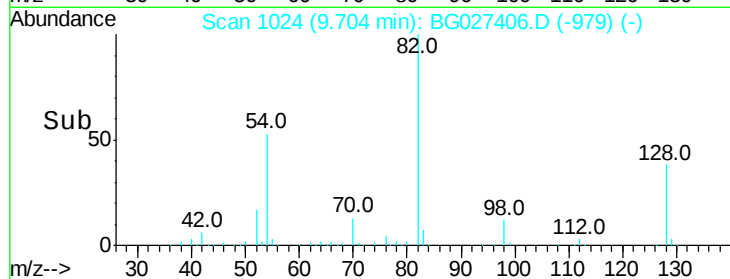
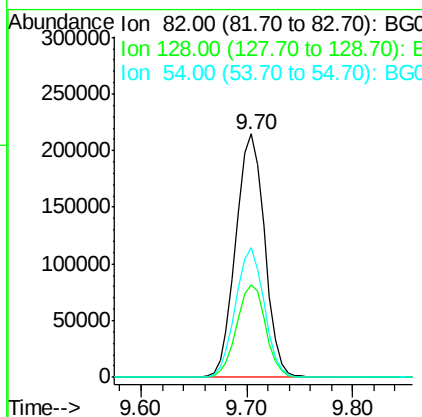
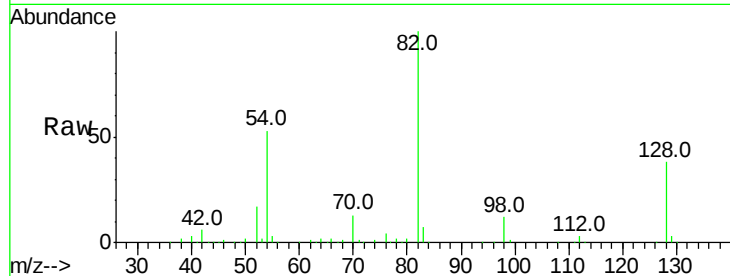




#23
 Nitrobenzene-d5
 Concen: 115.34 ng
 RT: 9.70 min Scan# 1024
 Delta R.T. -0.04 min
 Lab File: BG027406.D
 Acq: 14 Jun 2017 4:16

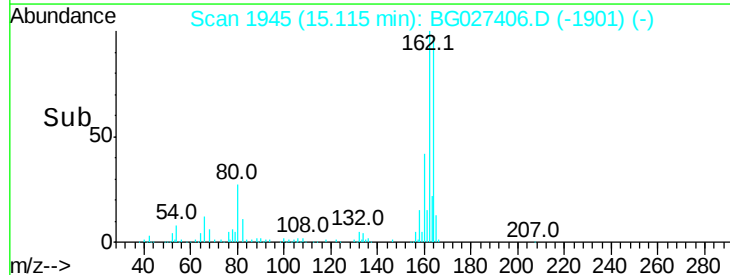
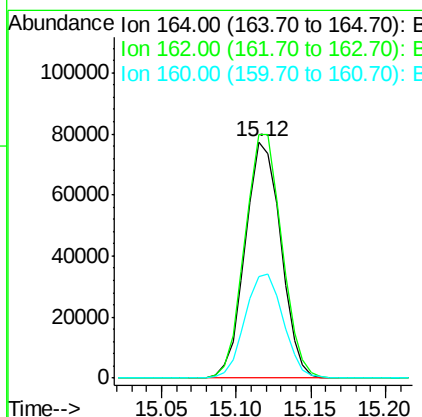
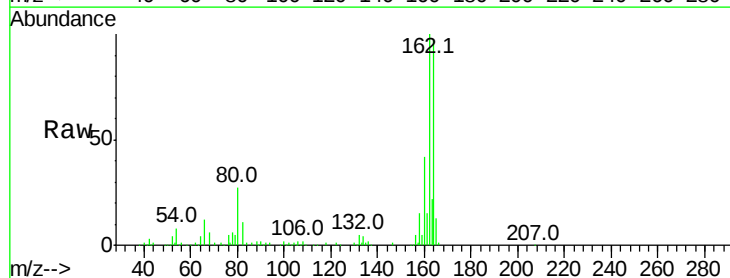
Instrument :
 BNA_G
 ClientSampleID :
 TP-9

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.1	26.4	39.6
54	53.3	49.4	74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: BG027406.D
 Acq: 14 Jun 2017 4:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	85.1	127.7
160	43.2	34.7	52.1





#41

2,4,6-Tribromophenol

Concen: 176.33 ng

RT: 16.60 min Scan# 2198

Delta R.T. -0.04 min

Lab File: BG027406.D

Acq: 14 Jun 2017 4:16

Instrument :

BNA_G

ClientSampled :

TP-9

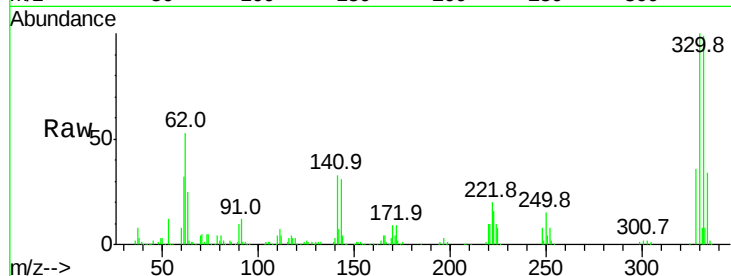
Tot Ion:330 Resp: 297080

Ion Ratio Lower Upper

330 100

332 97.4 77.3 115.9

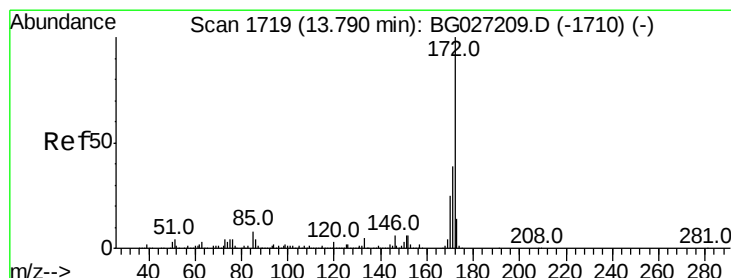
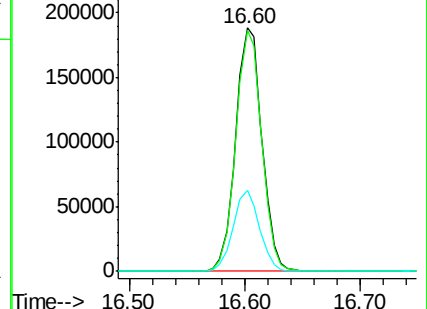
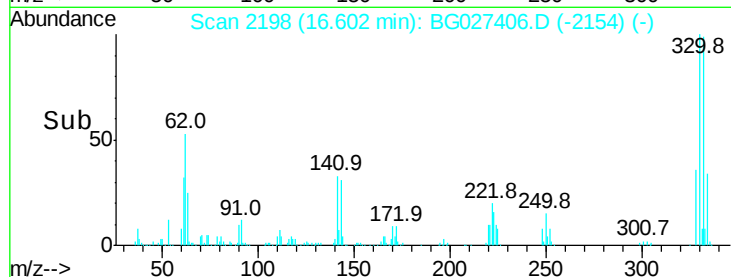
141 33.3 32.1 48.1



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: 93.85 ng

RT: 13.75 min Scan# 1712

Delta R.T. -0.04 min

Lab File: BG027406.D

Acq: 14 Jun 2017 4:16

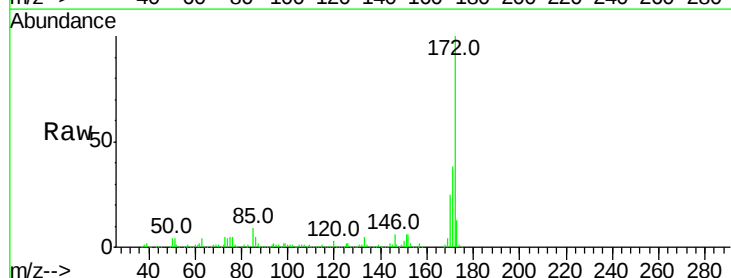
Tgt Ion:172 Resp: 858311

Ion Ratio Lower Upper

172 100

171 37.9 32.2 48.2

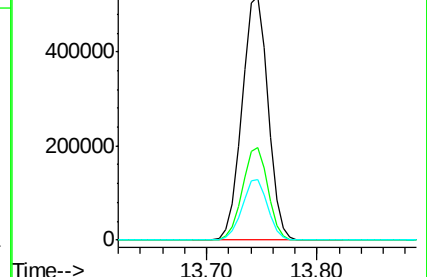
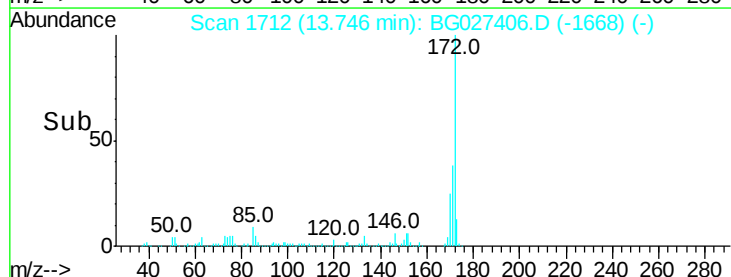
170 24.7 21.8 32.6

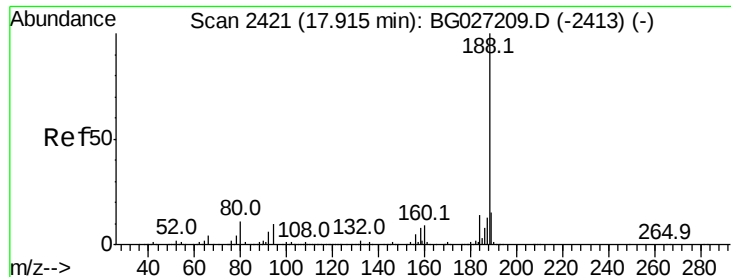


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

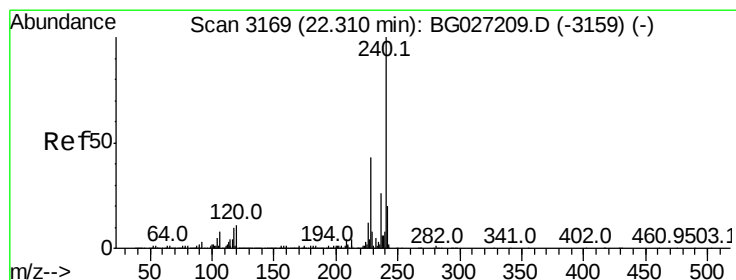
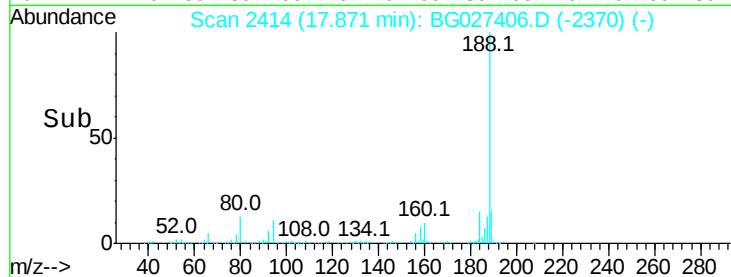
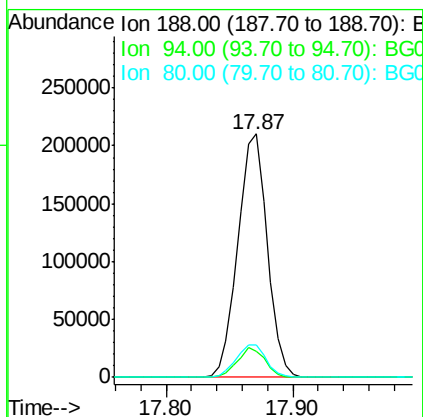
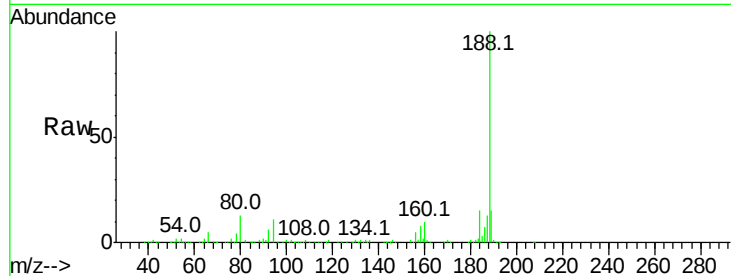




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.87 min Scan# 2414
Delta R.T. -0.04 min
Lab File: BG027406.D
Acq: 14 Jun 2017 4:16

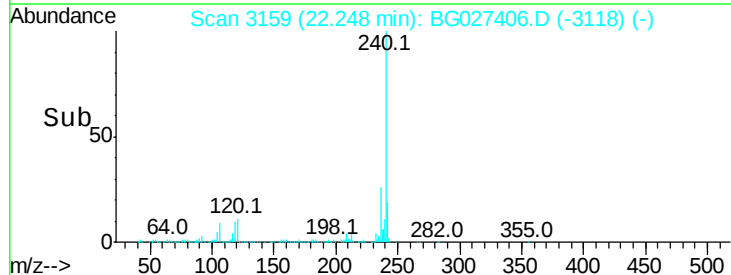
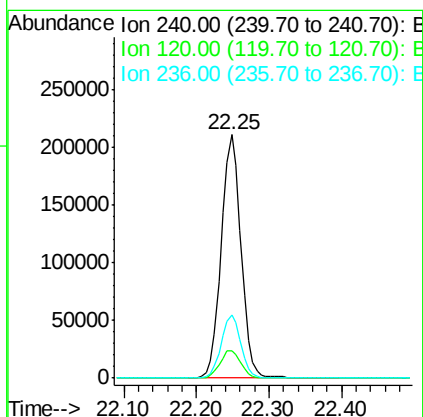
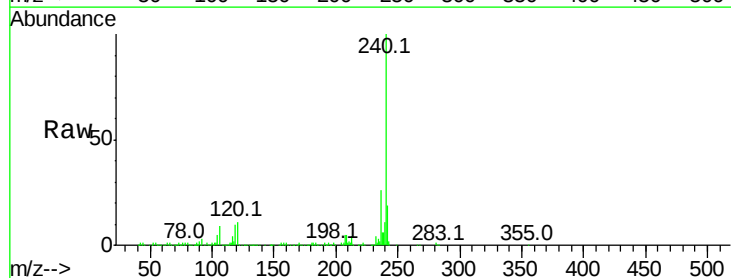
Instrument :
BNA_G
ClientSampled :
TP-9

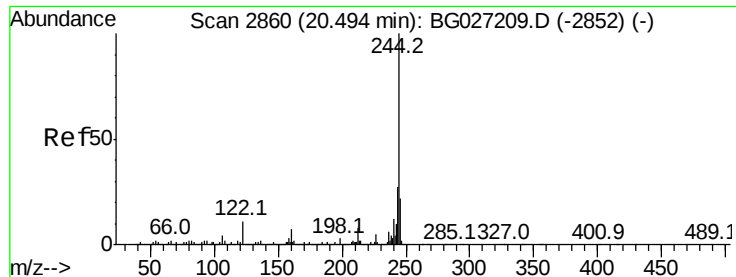
Tot Ion:188 Resp: 338283
Ion Ratio Lower Upper
188 100
94 10.7 5.8 8.8#
80 13.1 7.5 11.3#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.25 min Scan# 3159
Delta R.T. -0.06 min
Lab File: BG027406.D
Acq: 14 Jun 2017 4:16

Tgt Ion:240 Resp: 401073
Ion Ratio Lower Upper
240 100
120 11.5 5.7 8.5#
236 26.0 22.2 33.4





#78

Terphenyl-d14

Concen: 105.09 ng

RT: 20.44 min Scan# 2852

Delta R.T. -0.05 min

Lab File: BG027406.D

Acq: 14 Jun 2017 4:16

Instrument :

BNA_G

ClientSampleId :

TP-9

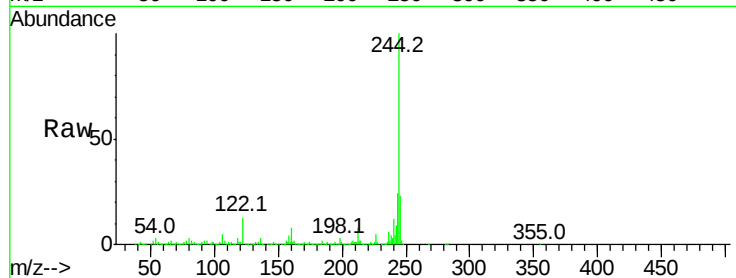
Tot Ion:244 Resp: 1652295

Ion	Ratio	Lower	Upper
244	100		
212	8.2	10.0	15.0#
122	12.8	8.6	12.8

244 100

212 8.2 10.0 15.0#

122 12.8 8.6 12.8

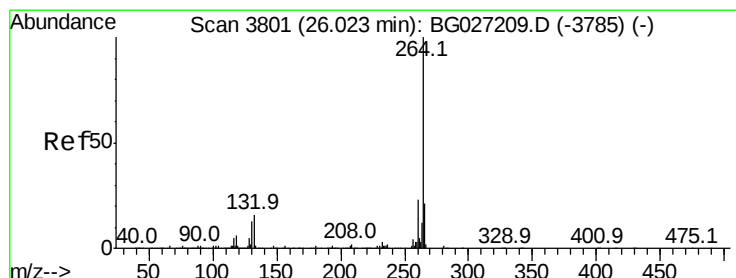
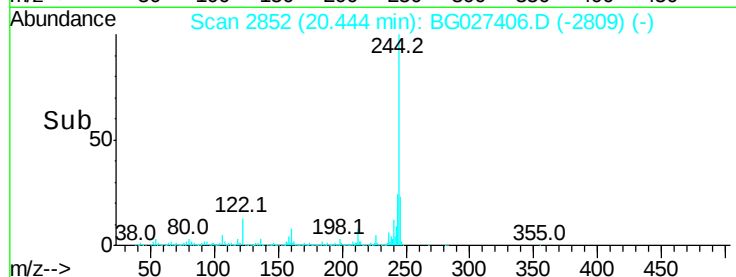
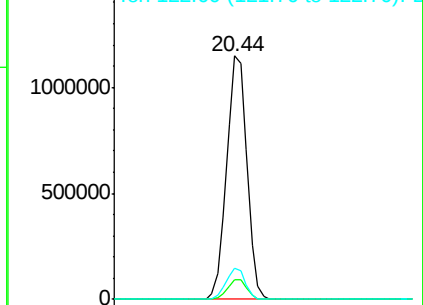


Abundance

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: 25.91 min Scan# 3783

Delta R.T. -0.11 min

Lab File: BG027406.D

Acq: 14 Jun 2017 4:16

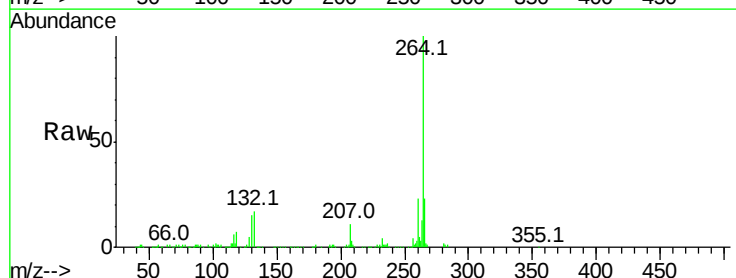
Tgt Ion:264 Resp: 371800

Ion	Ratio	Lower	Upper
264	100		
260	23.0	21.8	32.8
265	22.6	18.2	27.4

264 100

260 23.0 21.8 32.8

265 22.6 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

