

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061217\
 Data File : BG027386.D
 Acq On : 12 Jun 2017 22:08
 Operator : SJ/MA
 Sample : I3587-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CORE-SAMPLE-NRL-74

Quant Time: Jun 13 04:26:16 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

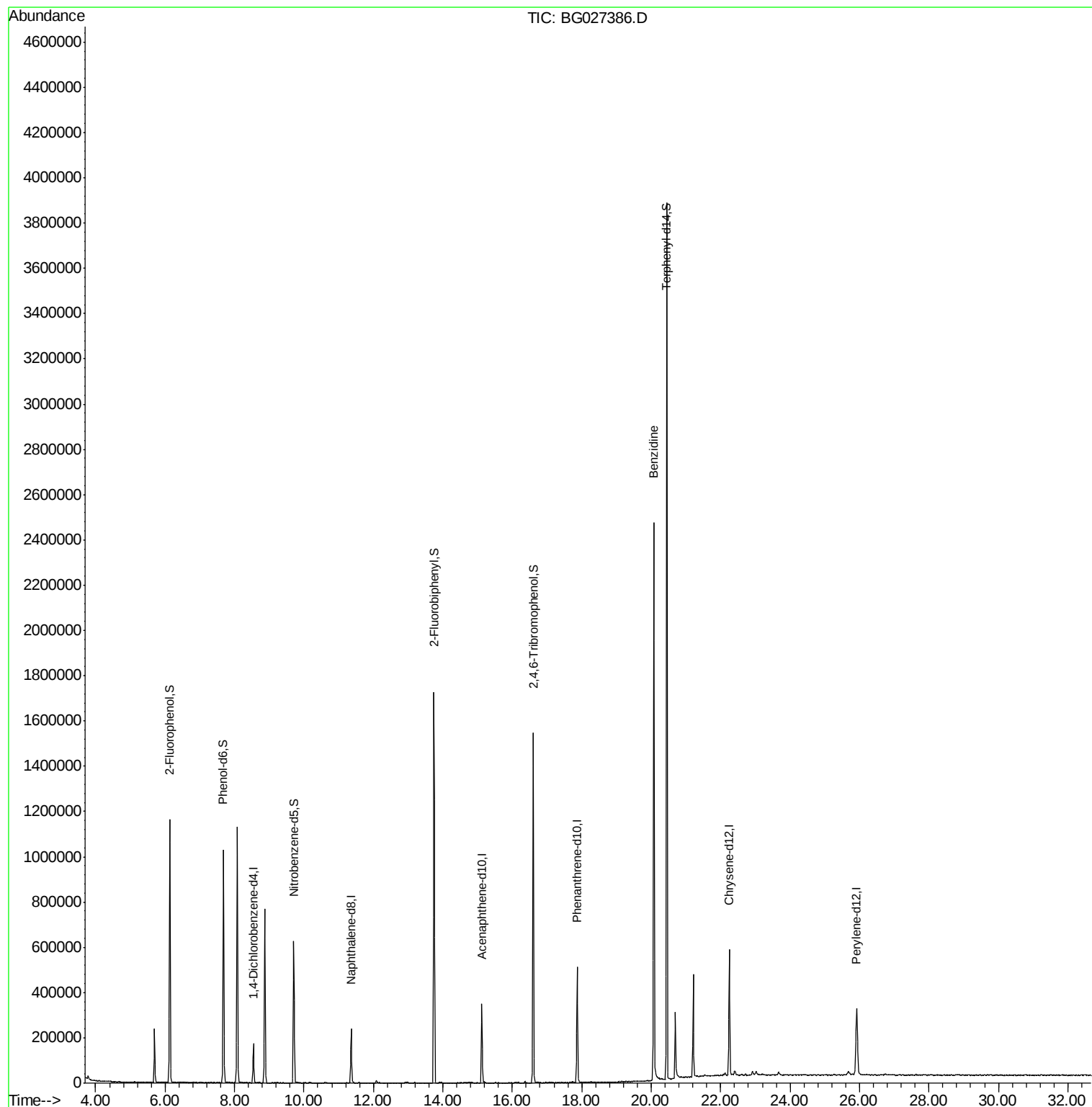
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.54	152	48720	20.00	ng	-0.04
21) Naphthalene-d8	11.36	136	209298	20.00	ng	-0.04
38) Acenaphthene-d10	15.12	164	122319	20.00	ng	-0.04
63) Phenanthrene-d10	17.87	188	318929	20.00	ng	-0.05
75) Chrysene-d12	22.25	240	383503	20.00	ng	-0.06
86) Perylene-d12	25.92	264	362682	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	520054	162.89	ng	-0.02
7) Phenol-d6	7.68	99	668901	142.73	ng	-0.02
23) Nitrobenzene-d5	9.71	82	424052	127.42	ng	-0.04
41) 2,4,6-Tribromophenol	16.60	330	311606	193.46	ng	-0.04
44) 2-Fluorobiphenyl	13.75	172	923368	105.61	ng	-0.04
78) Terphenyl-d14	20.45	244	1736671	115.52	ng	-0.05
Target Compounds						
76) Benzidine	20.08	184	1458027	126.209	ng	Qvalue 99

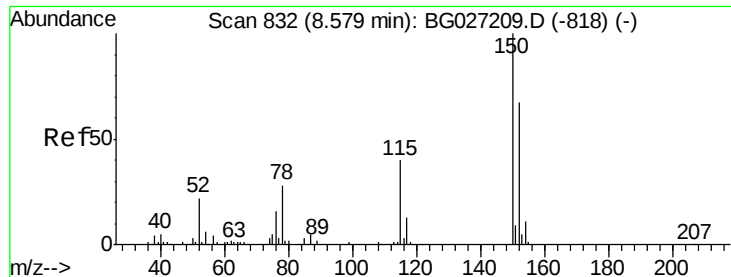
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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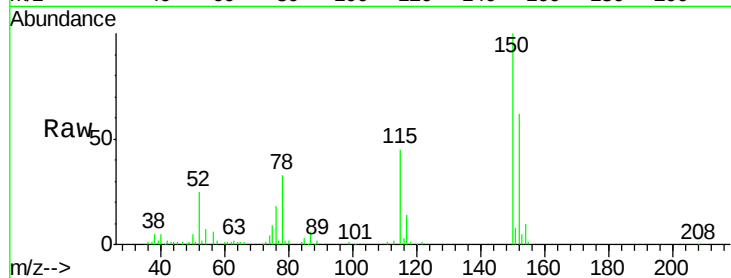


#1

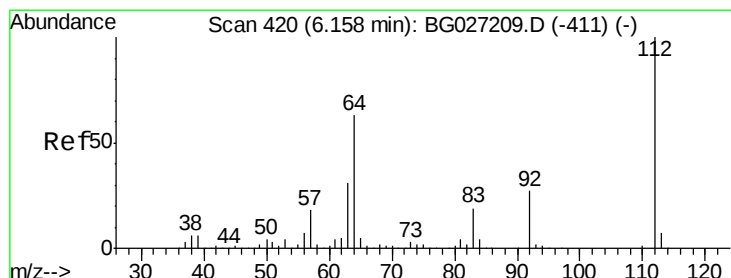
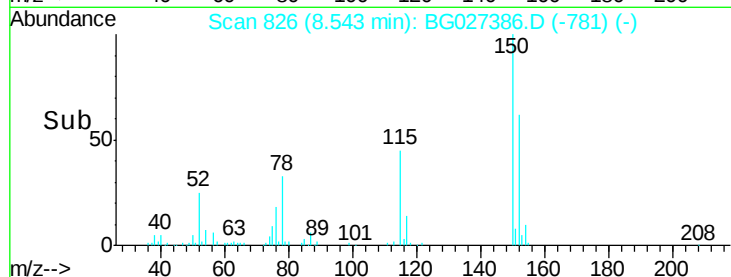
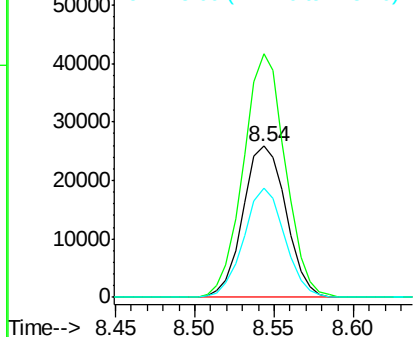
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.54 min Scan# 826
Delta R.T. -0.04 min
Lab File: BG027386.D
Acq: 12 Jun 2017 22:08

Instrument :
BNA_G
ClientSampleId :
CORE-SAMPLE-NRL-74

Tgt Ion:152 Resp: 48720
Ion Ratio Lower Upper
152 100
150 160.8 114.0 171.0
115 72.0 48.1 72.1



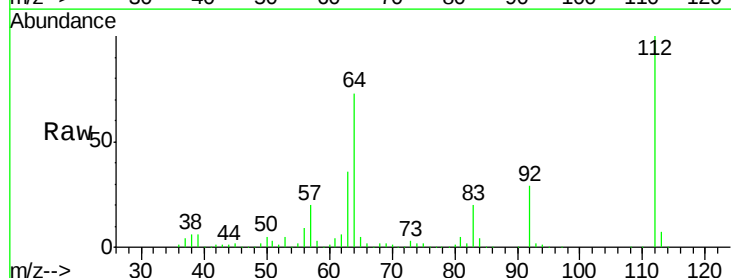
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



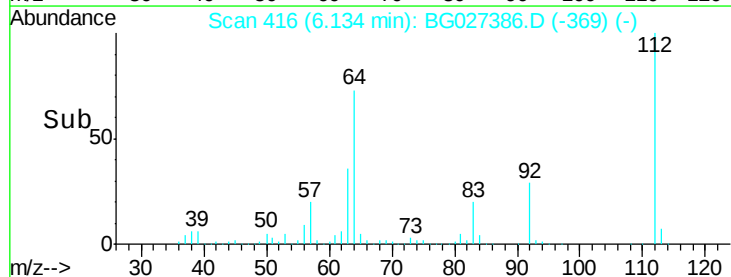
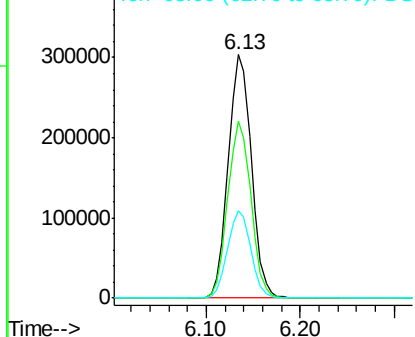
#5

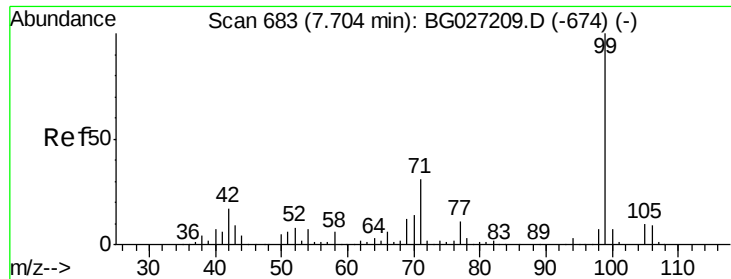
2-Fluorophenol
Concen: 162.887 ng
RT: 6.13 min Scan# 416
Delta R.T. -0.02 min
Lab File: BG027386.D
Acq: 12 Jun 2017 22:08

Tgt Ion:112 Resp: 520054
Ion Ratio Lower Upper
112 100
64 72.5 61.8 92.6
63 35.7 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: 142.727 ng

RT: 7.68 min Scan# 679

Delta R.T. -0.02 min

Lab File: BG027386.D

Acq: 12 Jun 2017 22:08

Instrument :

BNA_G

ClientSampleId :

CORE-SAMPLE-NRL-74

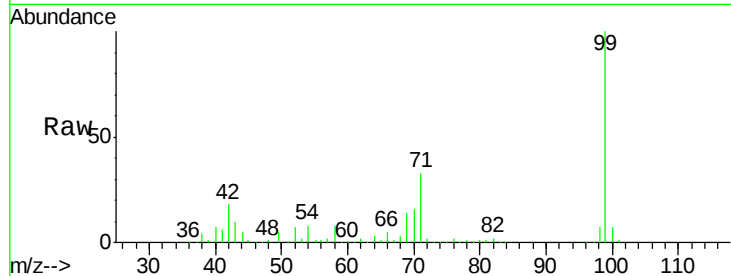
Tgt Ion: 99 Resp: 668901

Ion Ratio Lower Upper

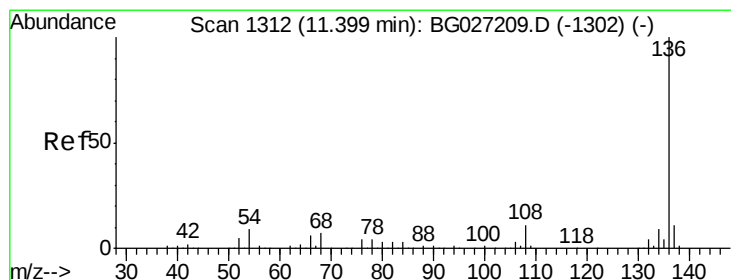
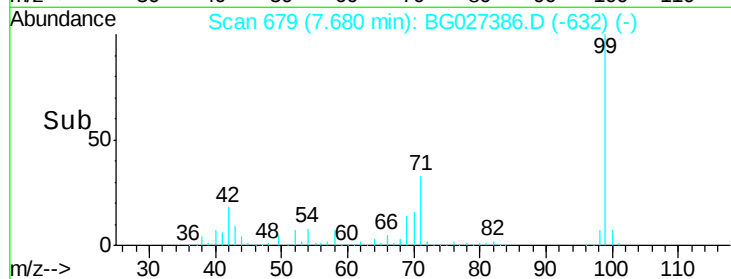
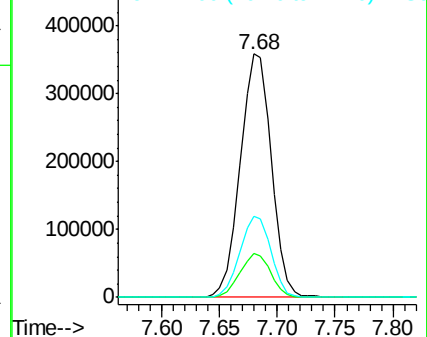
99 100

42 18.3 20.5 30.7#

71 33.3 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: 20.000 ng

RT: 11.36 min Scan# 1305

Delta R.T. -0.04 min

Lab File: BG027386.D

Acq: 12 Jun 2017 22:08

Tgt Ion: 136 Resp: 209298

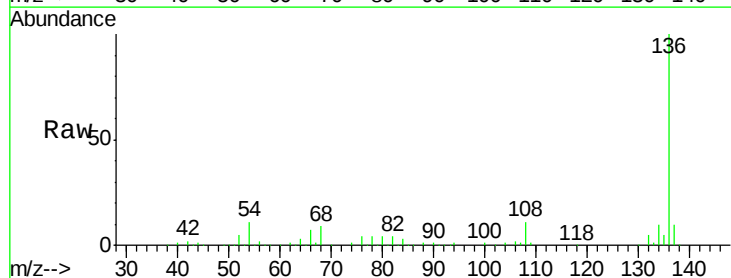
Ion Ratio Lower Upper

136 100

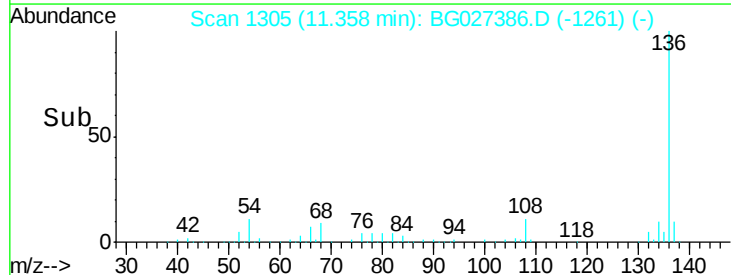
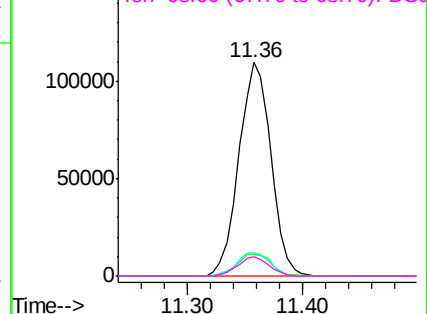
137 10.2 8.9 13.3

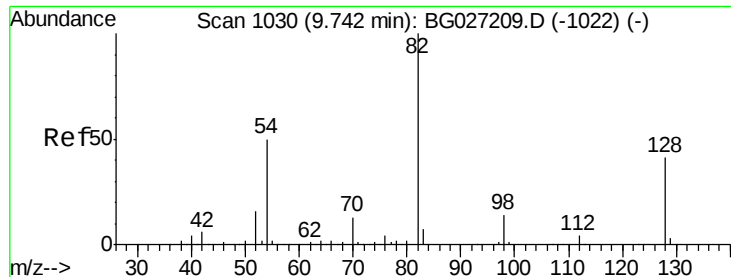
54 11.0 9.3 13.9

68 9.1 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

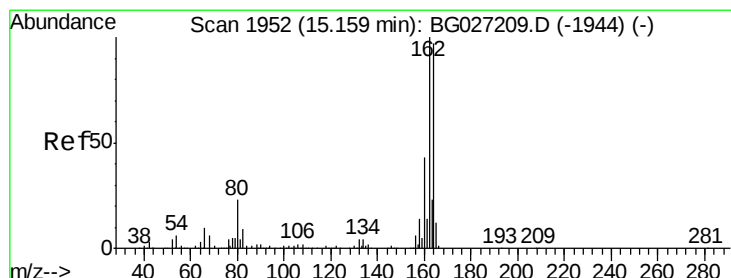
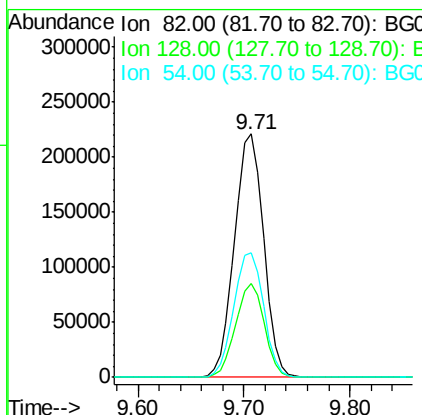
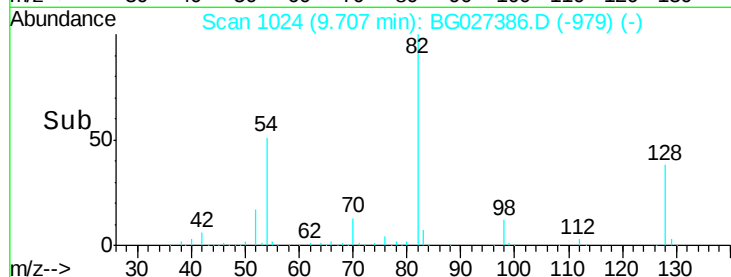
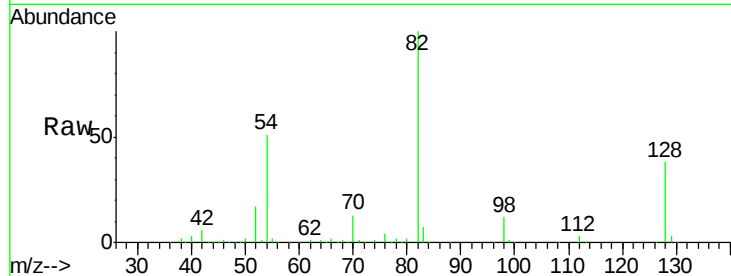




#23
 Nitrobenzene-d5
 Concen: 127.419 ng
 RT: 9.71 min Scan# 1024
 Delta R.T. -0.04 min
 Lab File: BG027386.D
 Acq: 12 Jun 2017 22:08

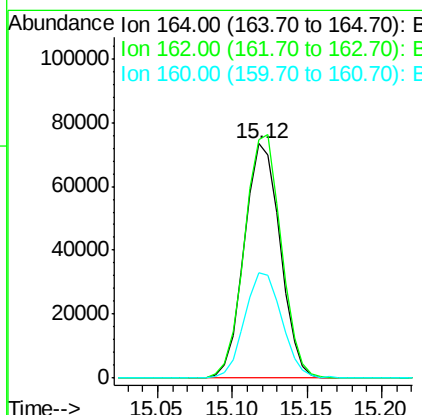
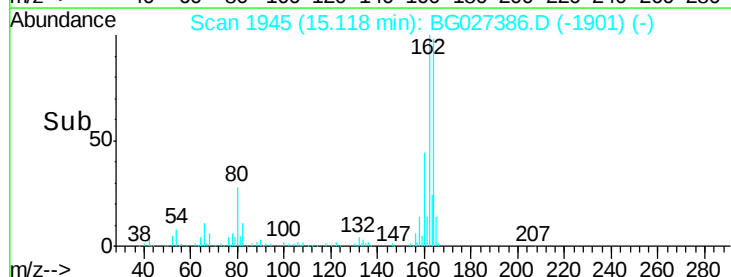
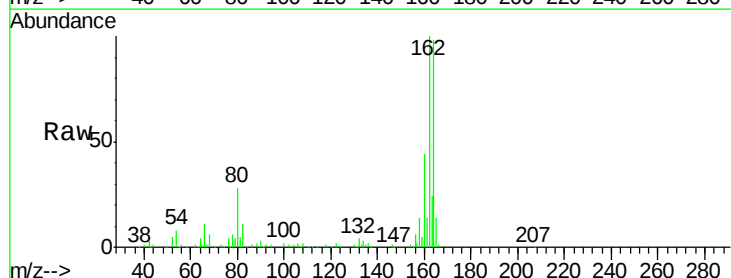
Instrument :
 BNA_G
 ClientSampleId :
 CORE-SAMPLE-NRL-74

Tgt Ion: 82 Resp: 424052
 Ion Ratio Lower Upper
 82 100
 128 38.5 26.4 39.6
 54 51.1 49.4 74.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.12 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: BG027386.D
 Acq: 12 Jun 2017 22:08

Tgt Ion: 164 Resp: 122319
 Ion Ratio Lower Upper
 164 100
 162 101.7 85.1 127.7
 160 44.9 34.7 52.1

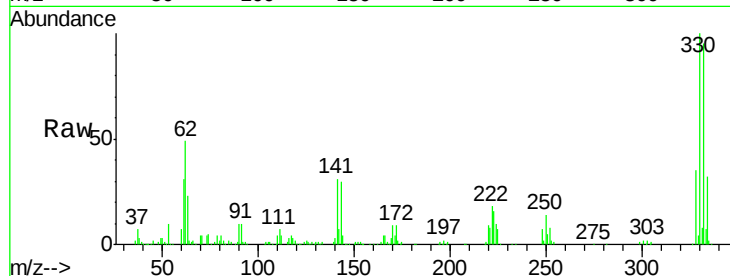




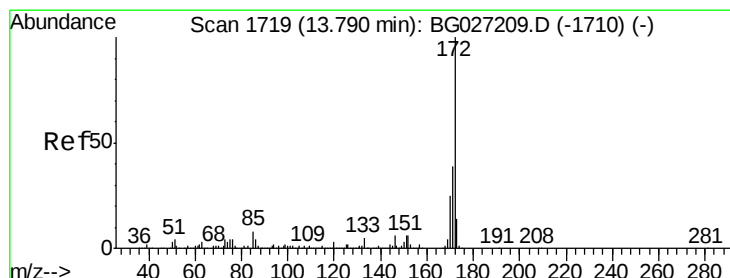
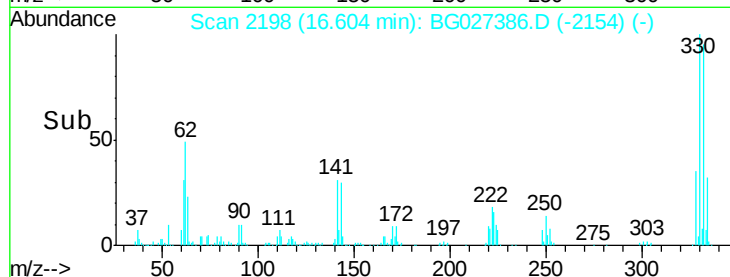
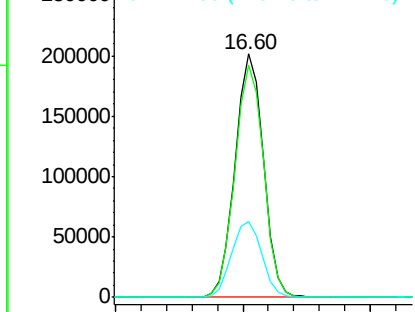
#41
 2,4,6-Tribromophenol
 Concen: 193.457 ng
 RT: 16.60 min Scan# 2198
 Delta R.T. -0.04 min
 Lab File: BG027386.D
 Acq: 12 Jun 2017 22:08

Instrument :
 BNA_G
 ClientSampleId :
 CORE-SAMPLE-NRL-74

Tgt Ion:330 Resp: 311606
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.3 115.9
 141 33.1 32.1 48.1

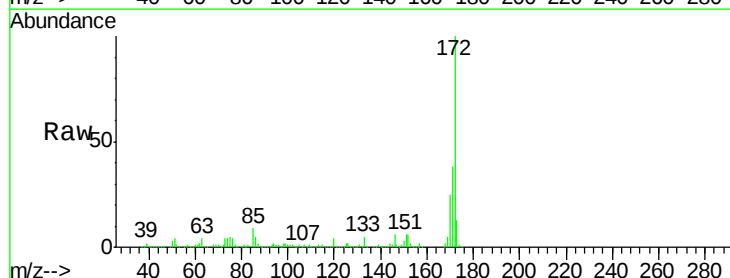


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

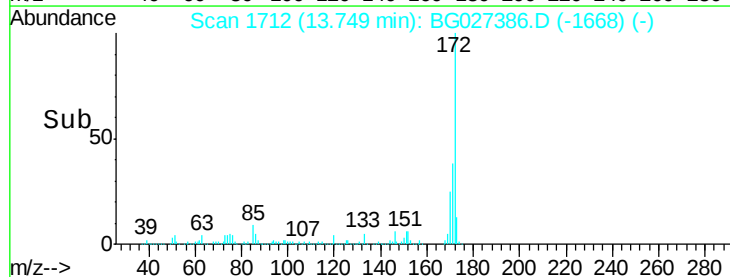
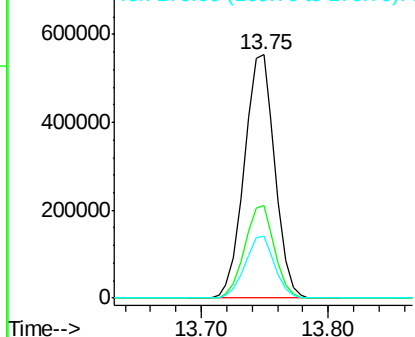


#44
 2-Fluorobiphenyl
 Concen: 105.607 ng
 RT: 13.75 min Scan# 1712
 Delta R.T. -0.04 min
 Lab File: BG027386.D
 Acq: 12 Jun 2017 22:08

Tgt Ion:172 Resp: 923368
 Ion Ratio Lower Upper
 172 100
 171 38.0 32.2 48.2
 170 25.2 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

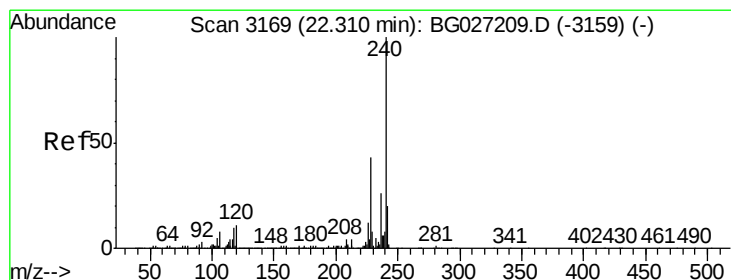
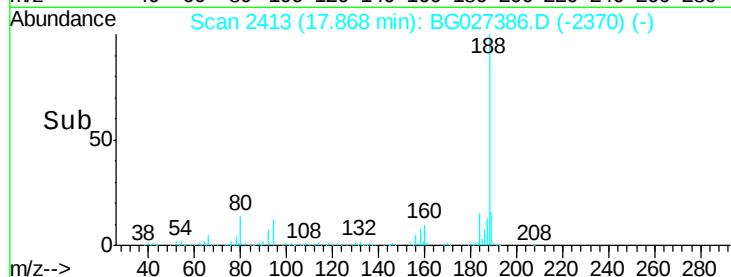
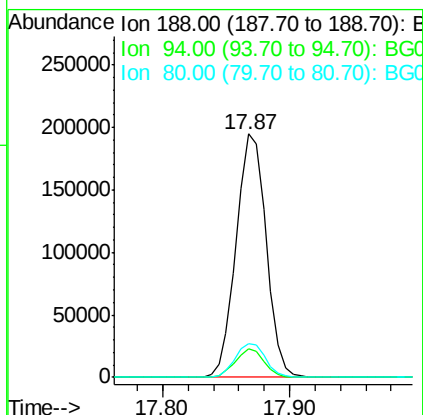
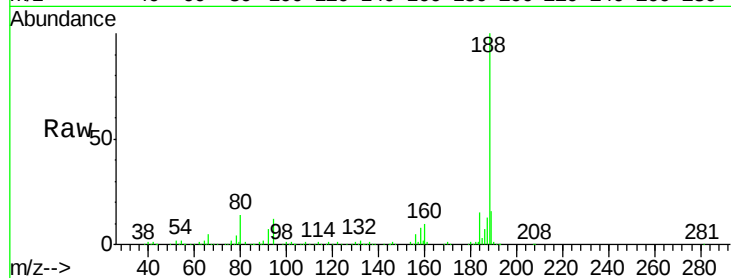




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.87 min Scan# 2413
Delta R.T. -0.05 min
Lab File: BG027386.D
Acq: 12 Jun 2017 22:08

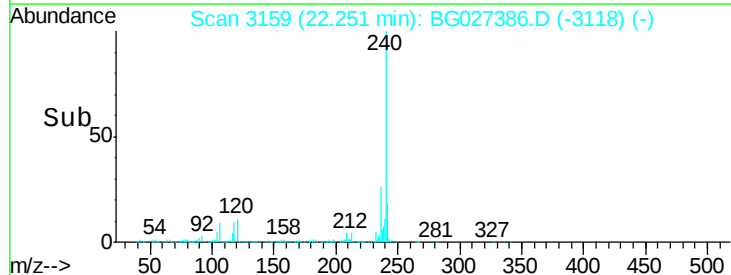
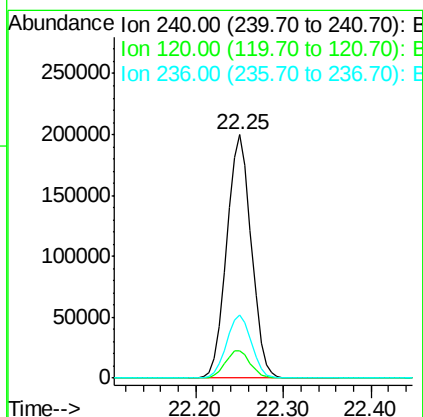
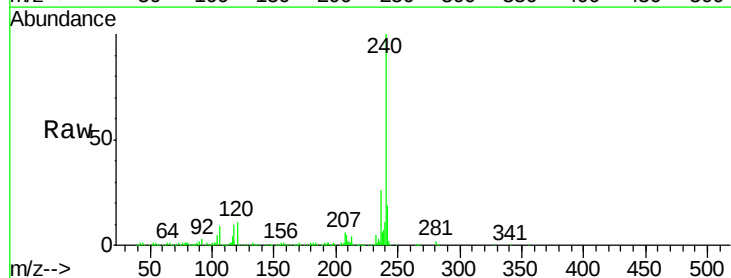
Instrument :
BNA_G
ClientSampleId :
CORE-SAMPLE-NRL-74

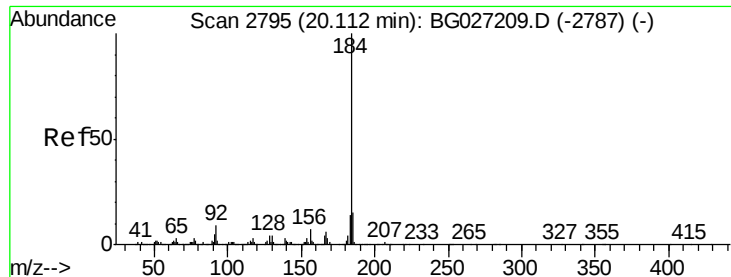
Tgt Ion:188 Resp: 318929
Ion Ratio Lower Upper
188 100
94 11.7 5.8 8.8#
80 14.0 7.5 11.3#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.25 min Scan# 3159
Delta R.T. -0.06 min
Lab File: BG027386.D
Acq: 12 Jun 2017 22:08

Tgt Ion:240 Resp: 383503
Ion Ratio Lower Upper
240 100
120 11.3 5.7 8.5#
236 25.7 22.2 33.4





#76

Benzidine

Concen: 126.209 ng

RT: 20.08 min Scan# 2789

Delta R.T. -0.04 min

Lab File: BG027386.D

Acq: 12 Jun 2017 22:08

Instrument :

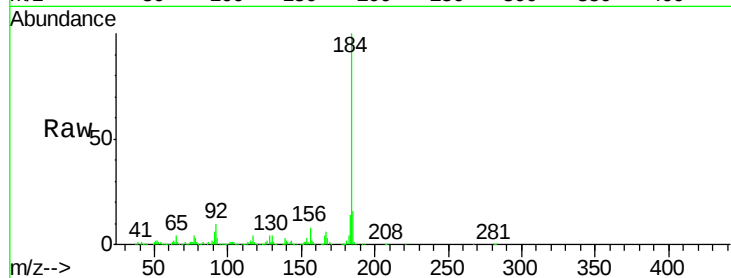
BNA_G

ClientSampleId :

CORE-SAMPLE-NRL-74

Tgt Ion:184 Resp: 1458027

Ion	Ratio	Lower	Upper
184	100		
185	15.6	13.0	19.6
183	14.2	11.0	16.6

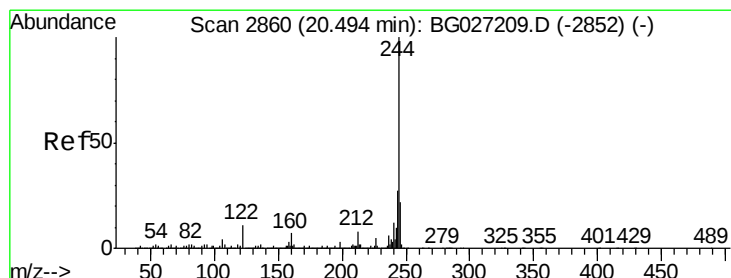
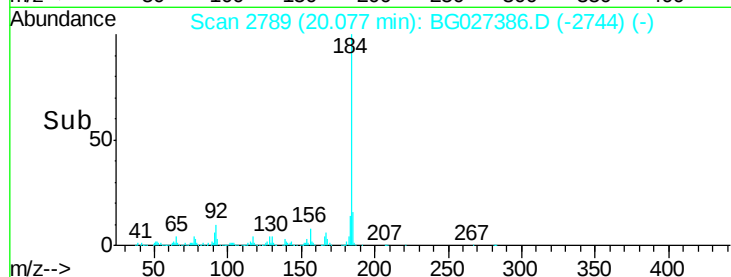
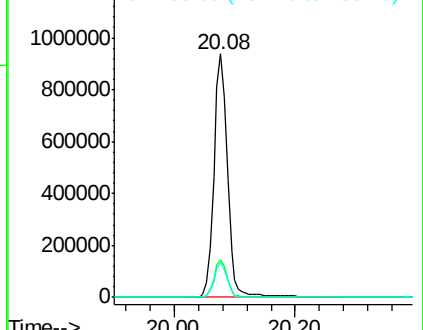


Abundance

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



#78

Terphenyl-d14

Concen: 115.521 ng

RT: 20.45 min Scan# 2852

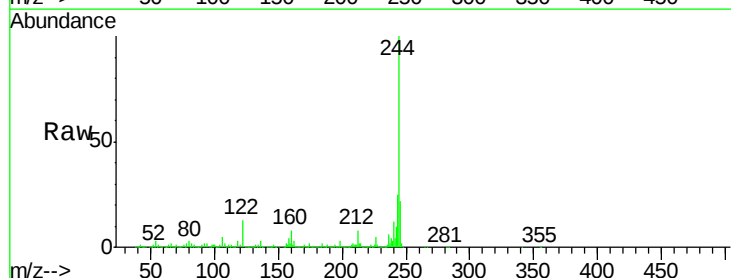
Delta R.T. -0.05 min

Lab File: BG027386.D

Acq: 12 Jun 2017 22:08

Tgt Ion:244 Resp: 1736671

Ion	Ratio	Lower	Upper
244	100		
212	8.1	10.0	15.0#
122	12.5	8.6	12.8

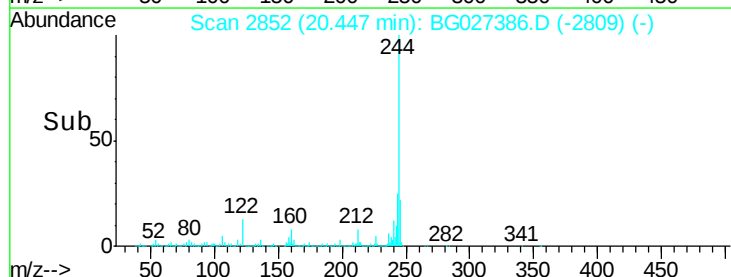
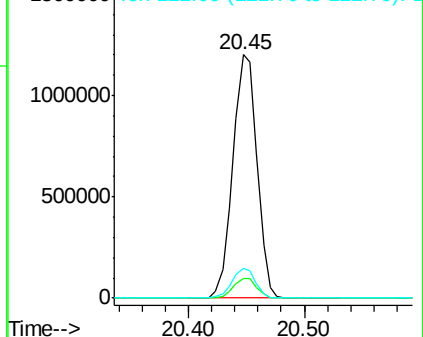


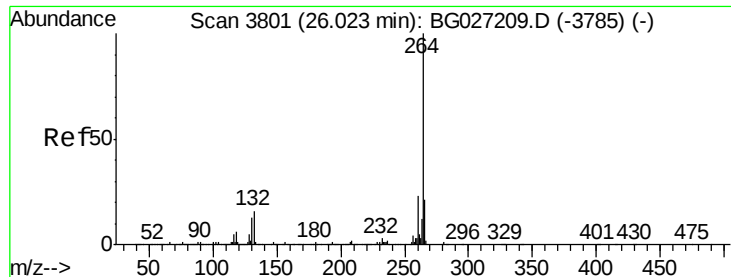
Abundance

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

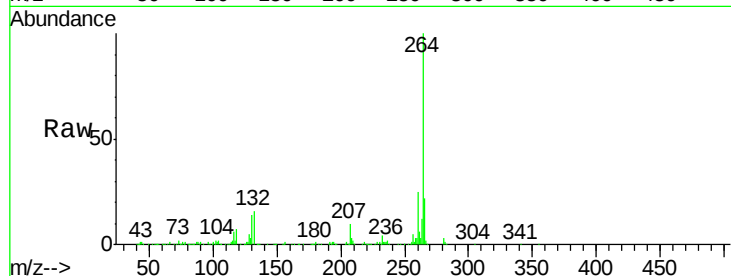




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.92 min Scan# 3783
Delta R.T. -0.11 min
Lab File: BG027386.D
Acq: 12 Jun 2017 22:08

Instrument :
BNA_G
ClientSampleId :
CORE-SAMPLE-NRL-74

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	21.8	32.8
265	22.2	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

