

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\
 Data File : BG029029.D
 Acq On : 4 Oct 2017 7:10
 Operator : SJ/JU
 Sample : I5517-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 04 11:22:38 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

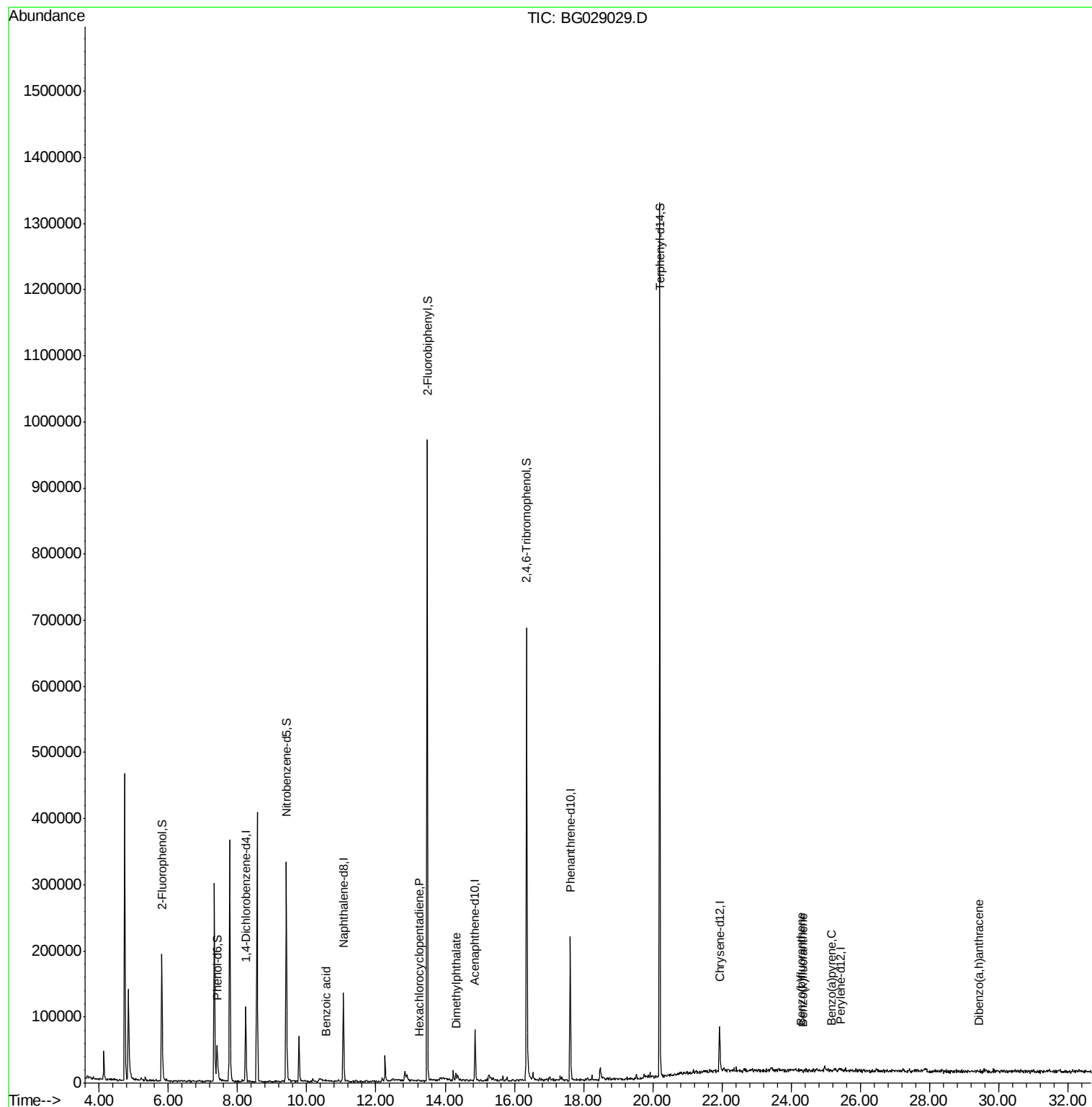
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	30300	20.00	ng	-0.09
21) Naphthalene-d8	11.06	136	115197	20.00	ng	-0.09
38) Acenaphthene-d10	14.86	164	20485	20.00	ng	-0.08
63) Phenanthrene-d10	17.61	188	112601	20.00	ng	-0.08
75) Chrysene-d12	21.93	240	29726	20.00	ng	-0.11
86) Perylene-d12	25.42	264	105	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.81	112	86991	47.37	ng	-0.09
7) Phenol-d6	7.41	99	28405	10.27	ng	-0.08
23) Nitrobenzene-d5	9.41	82	217845	90.46	ng	-0.09
41) 2,4,6-Tribromophenol	16.36	330	156287	461.28	ng	-0.08
44) 2-Fluorobiphenyl	13.48	172	523051	340.47	ng	-0.08
78) Terphenyl-d14	20.20	244	480097	344.43	ng	-0.08
Target Compounds						
32) Benzoic acid	10.56	122	260	6.240	ng	92
40) Hexachlorocyclopentadiene	13.25	237	83	7.833	ng	# 29
49) Dimethylphthalate	14.31	163	9414	5.480	ng	# 96
87) Benzo(b)fluoranthene	24.29	252	72	11.445	ng	# 58
88) Benzo(k)fluoranthene	24.35	252	65	10.344	ng	# 56
89) Benzo(a)pyrene	25.15	252	83	13.900	ng	# 58
90) Dibenzo(a,h)anthracene	29.42	278	58	9.317	ng	# 58

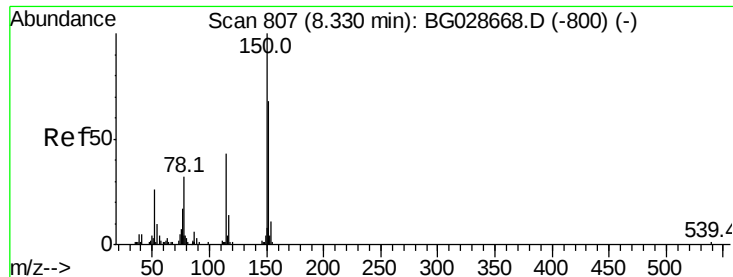
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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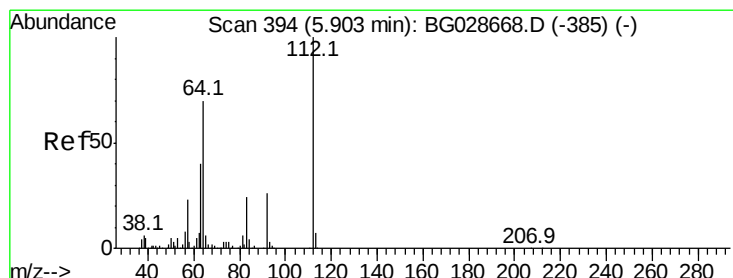
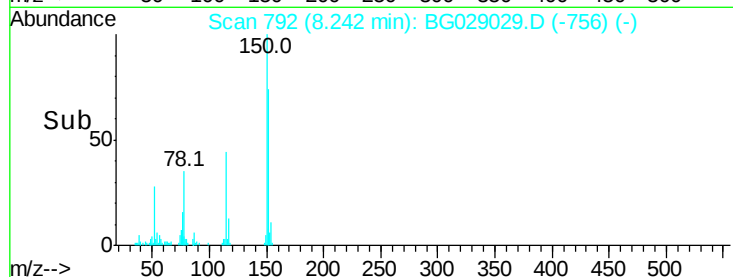
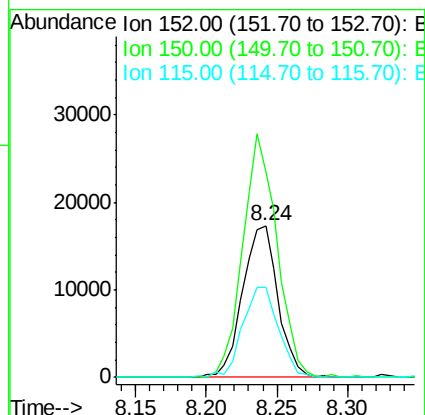
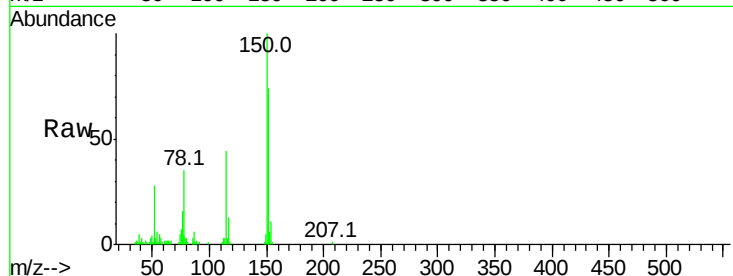


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.24 min Scan# 792
Delta R.T. -0.09 min
Lab File: BG029029.D
Acq: 4 Oct 2017 7:10

Instrument :
BNA_G
ClientSampleId :

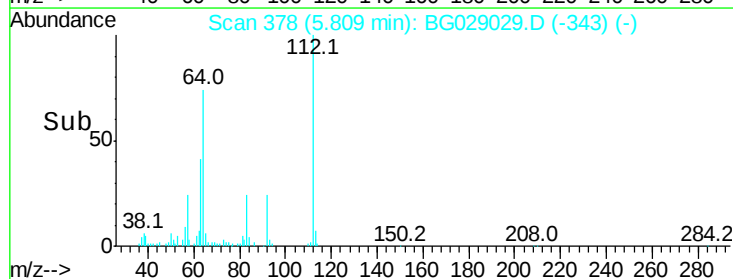
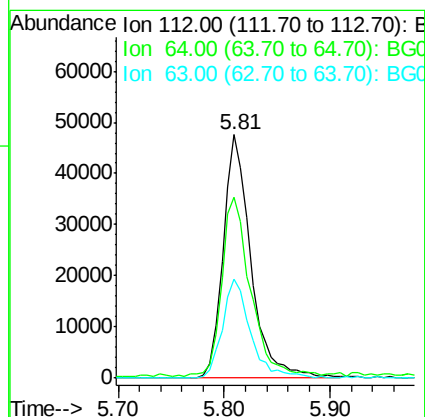
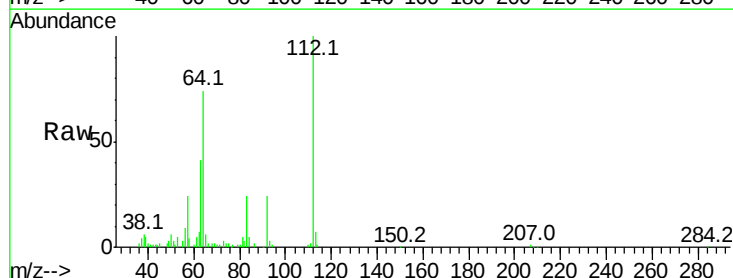
Tot Ion:152 Resp: 30300
Ion Ratio Lower Upper
152 100
150 135.4 114.0 171.0
115 59.1 48.1 72.1

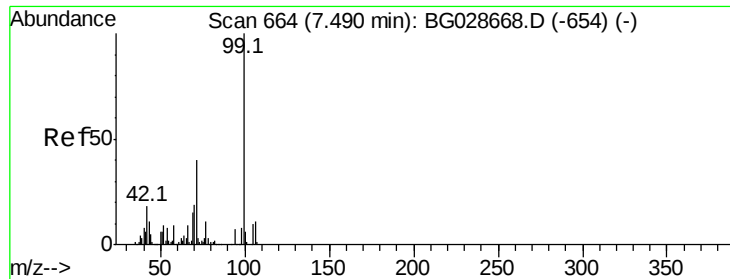


#5

2-Fluorophenol
Concen: 47.373 ng
RT: 5.81 min Scan# 378
Delta R.T. -0.09 min
Lab File: BG029029.D
Acq: 4 Oct 2017 7:10

Tgt Ion:112 Resp: 86991
Ion Ratio Lower Upper
112 100
64 74.5 61.8 92.6
63 40.6 37.2 55.8





#7

Phenol-d6

Concen: 10.274 ng

RT: 7.41 min Scan# 650

Delta R.T. -0.08 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

Instrument :

BNA_G

ClientSampleId :

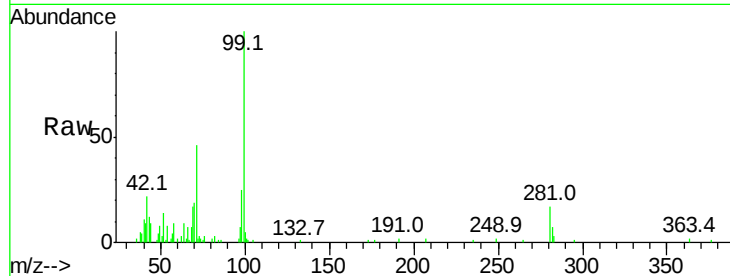
Tot Ion: 99 Resp: 28405

Ion Ratio Lower Upper

99 100

42 22.3 20.5 30.7

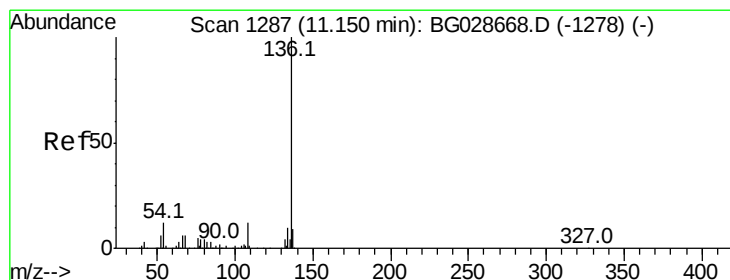
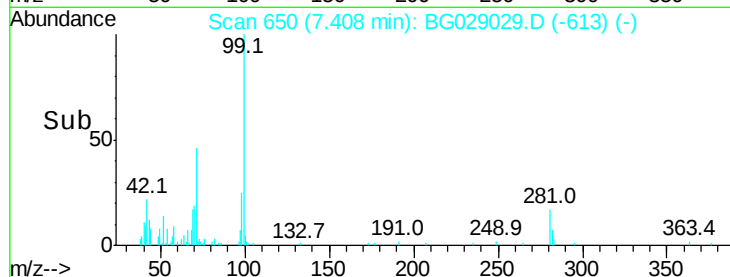
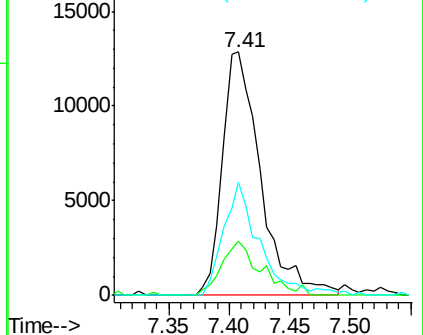
71 46.4 37.6 56.4



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: 20.000 ng

RT: 11.06 min Scan# 1272

Delta R.T. -0.09 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

Tgt Ion:136 Resp: 115197

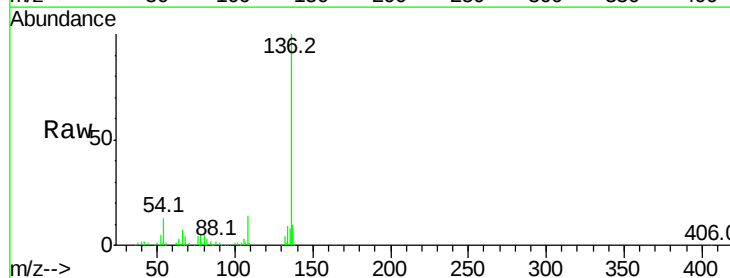
Ion Ratio Lower Upper

136 100

137 10.1 8.9 13.3

54 12.8 9.3 13.9

68 4.2 5.1 7.7#

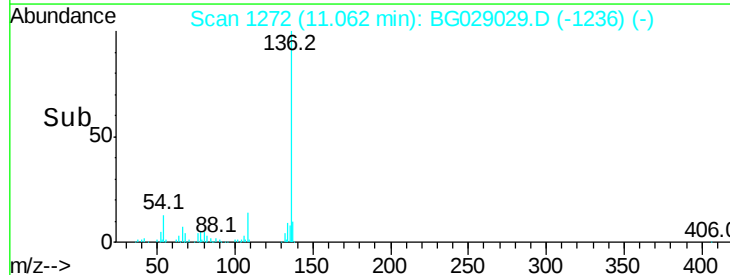
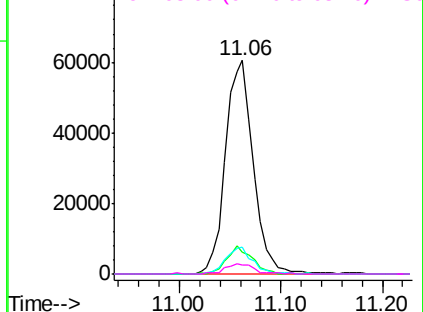


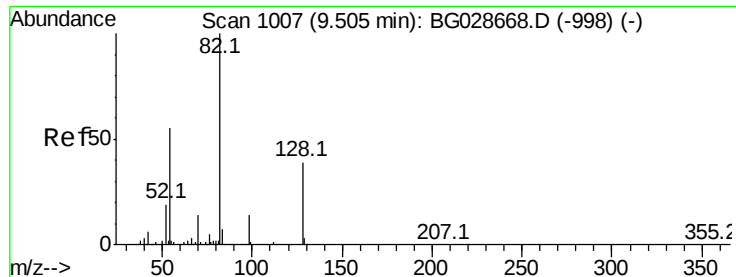
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

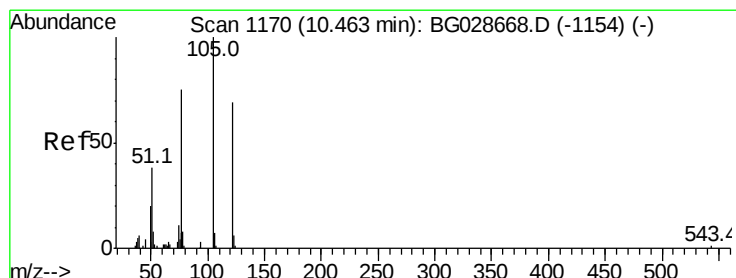
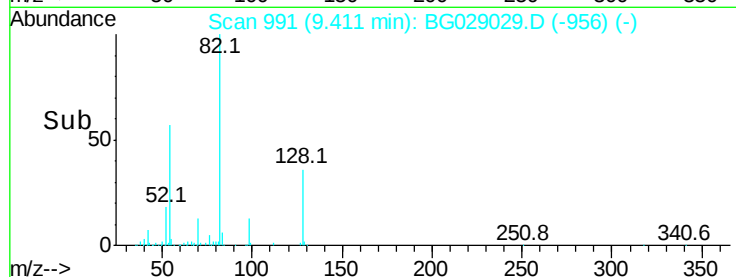
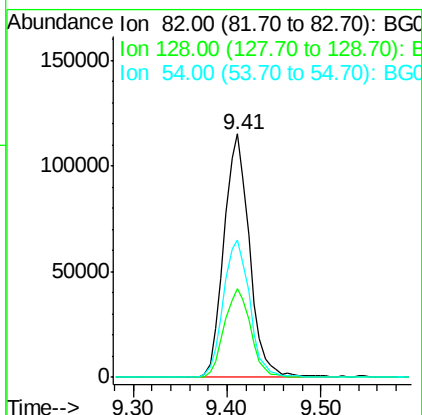
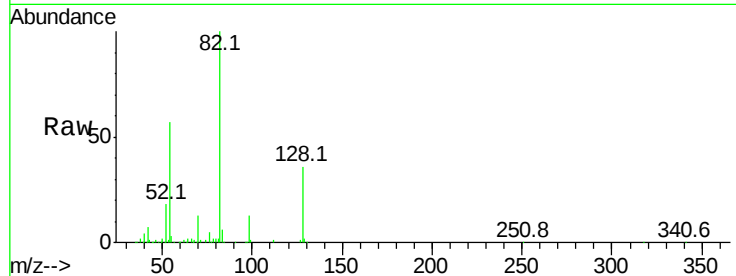




#23
Nitrobenzene-d5
Concen: 90.464 ng
RT: 9.41 min Scan# 991
Delta R.T. -0.09 min
Lab File: BG029029.D
Acq: 4 Oct 2017 7:10

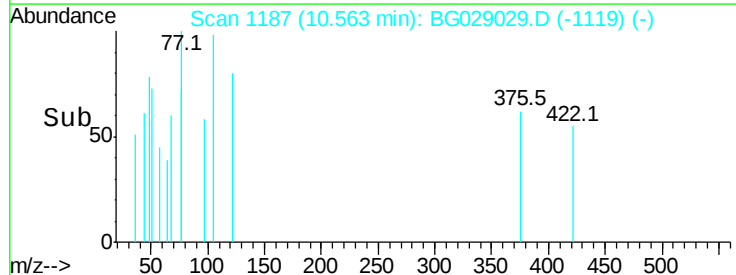
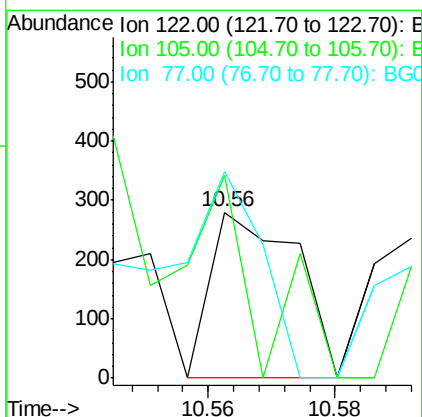
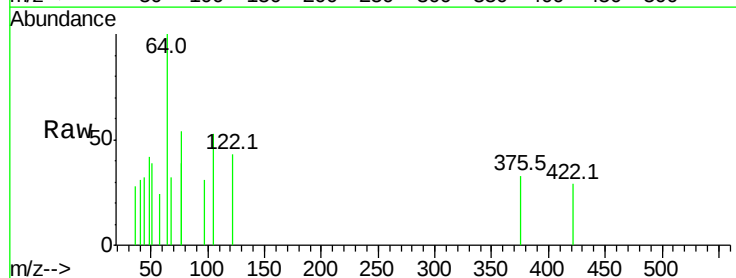
Instrument :
BNA_G
ClientSampleId :

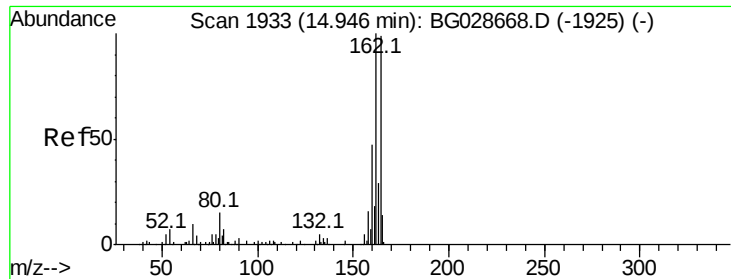
Tot Ion: 82 Resp: 217845
Ion Ratio Lower Upper
82 100
128 36.3 26.4 39.6
54 56.5 49.4 74.2



#32
Benzoic acid
Concen: 6.240 ng
RT: 10.56 min Scan# 1187
Delta R.T. 0.10 min
Lab File: BG029029.D
Acq: 4 Oct 2017 7:10

Tgt Ion: 122 Resp: 260
Ion Ratio Lower Upper
122 100
105 122.1 120.1 160.1
77 124.3 104.6 144.6





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.86 min Scan# 1919

Delta R.T. -0.08 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

Instrument :

BNA_G

ClientSampleId :

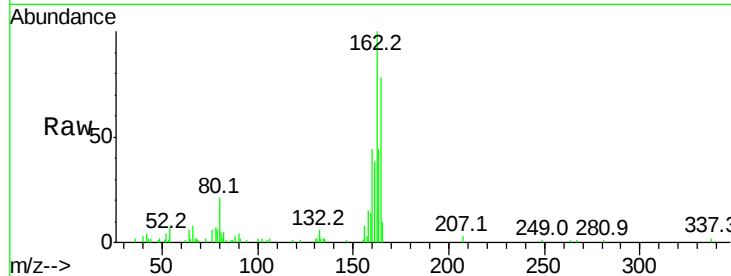
Tot Ion:164 Resp: 20485

Ion Ratio Lower Upper

164 100

162 128.1 85.1 127.7#

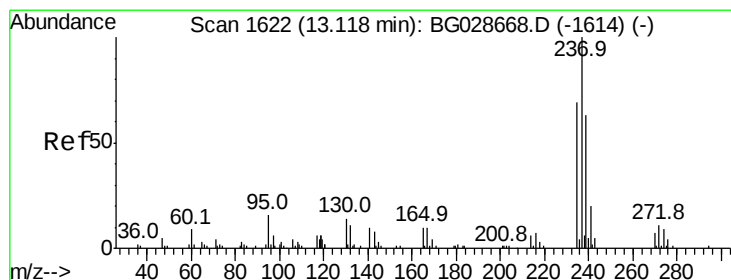
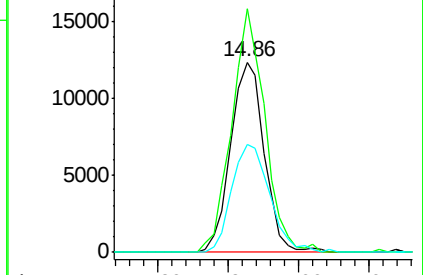
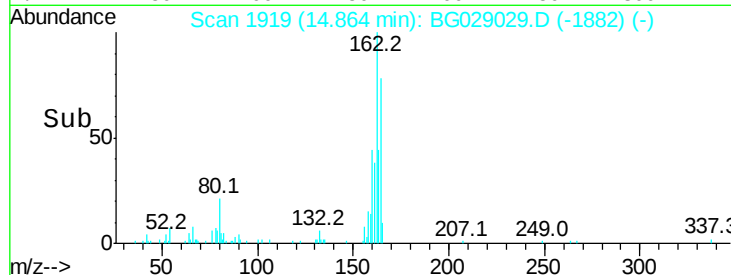
160 56.5 34.7 52.1#



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



#40

Hexachlorocyclopentadiene

Concen: 7.833 ng

RT: 13.25 min Scan# 1645

Delta R.T. 0.14 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

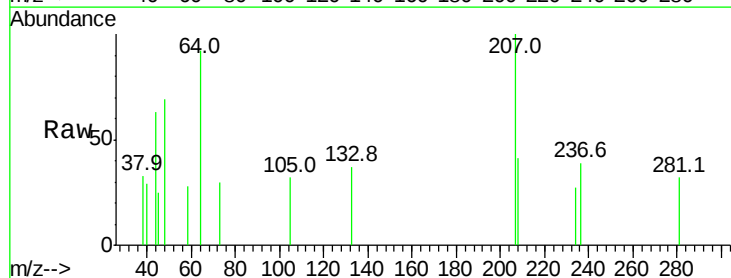
Tgt Ion:237 Resp: 83

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

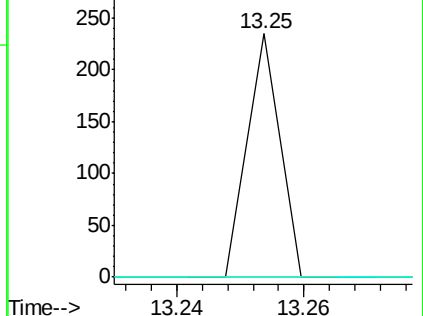
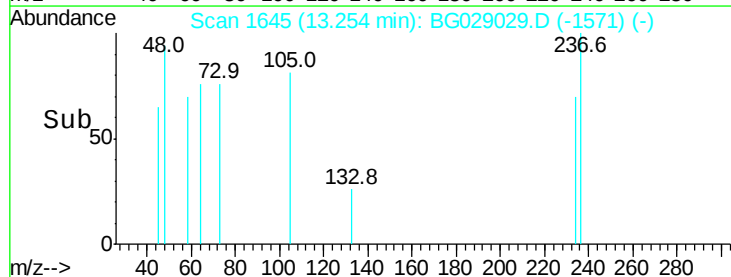
272 0.0 0.0 32.0

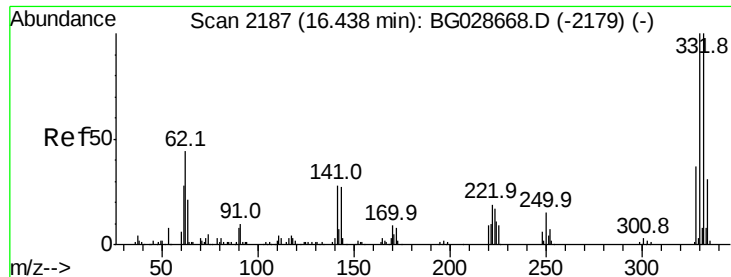


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

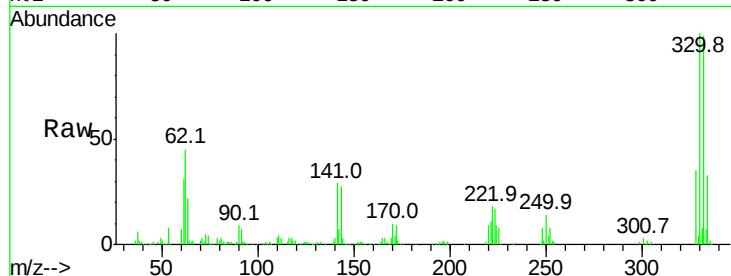




#41
 2,4,6-Tribromophenol
 Concen: 461.283 ng
 RT: 16.36 min Scan# 2173
 Delta R.T. -0.08 min
 Lab File: BG029029.D
 Acq: 4 Oct 2017 7:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	31.1	32.1	48.1#

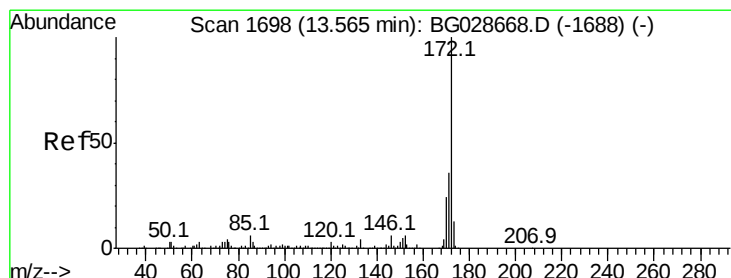
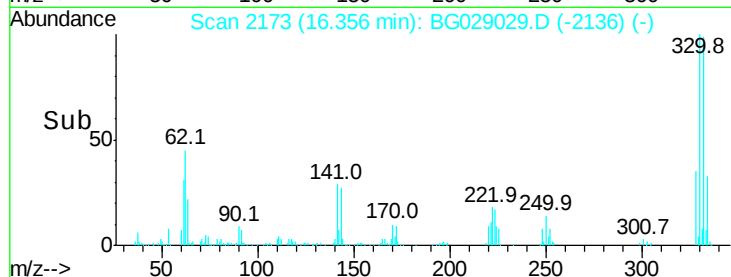
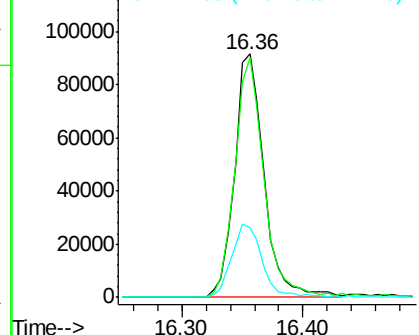


Abundance

Ion 329.80 (329.50 to 330.50): E

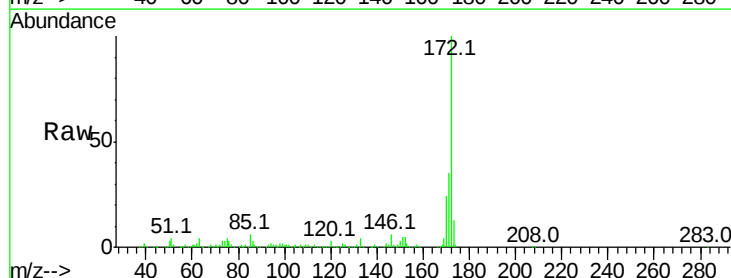
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 340.468 ng
 RT: 13.48 min Scan# 1684
 Delta R.T. -0.08 min
 Lab File: BG029029.D
 Acq: 4 Oct 2017 7:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	32.2	48.2
170	23.5	21.8	32.6

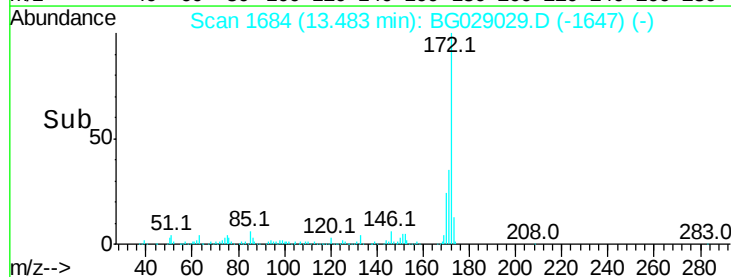
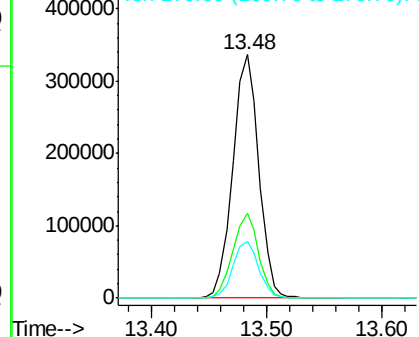


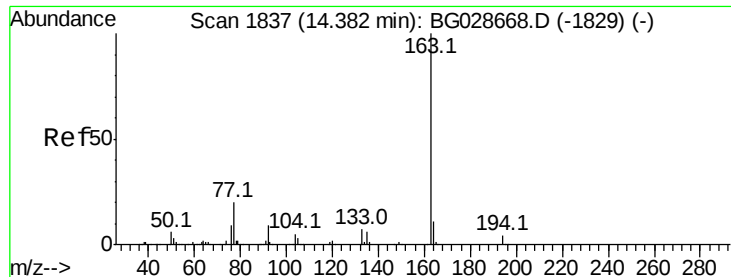
Abundance

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





#49

Dimethylphthalate

Concen: 5.480 ng

RT: 14.31 min Scan# 1825

Delta R.T. -0.07 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

Instrument :

BNA_G

ClientSampleId :

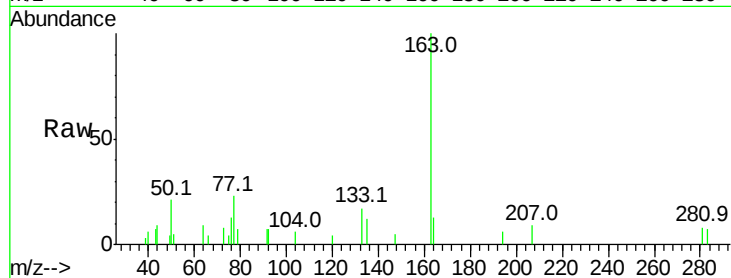
Tot Ion:163 Resp: 9414

Ion Ratio Lower Upper

163 100

194 6.3 3.8 5.6#

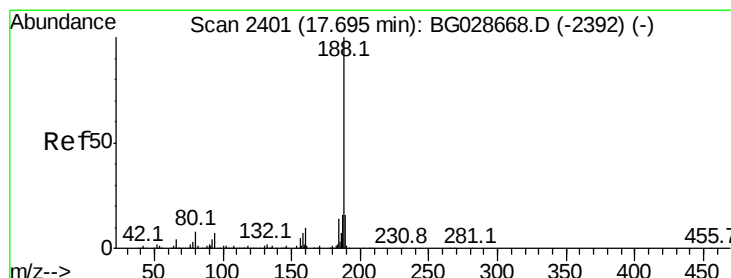
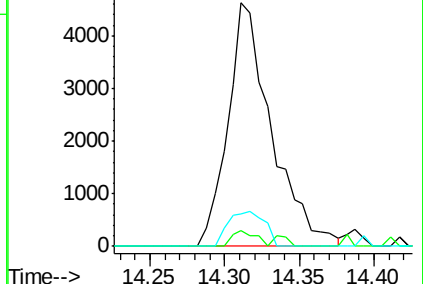
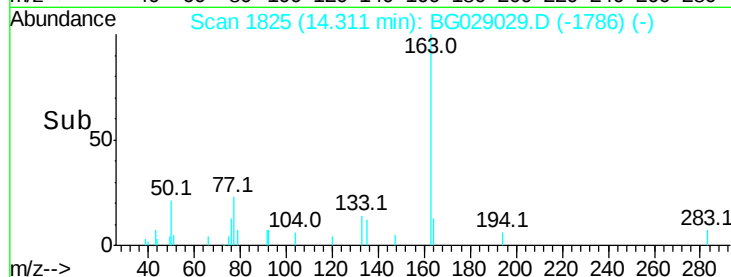
164 13.1 9.3 13.9



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: 20.000 ng

RT: 17.61 min Scan# 2387

Delta R.T. -0.08 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

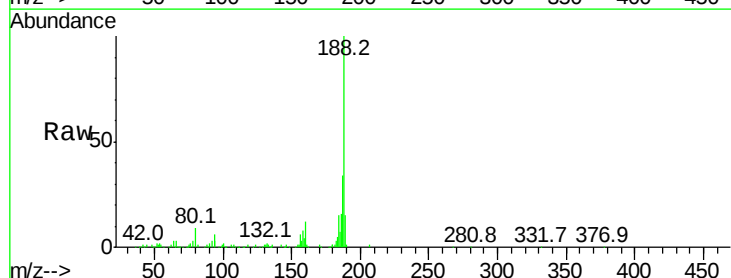
Tgt Ion:188 Resp: 112601

Ion Ratio Lower Upper

188 100

94 5.7 5.8 8.8#

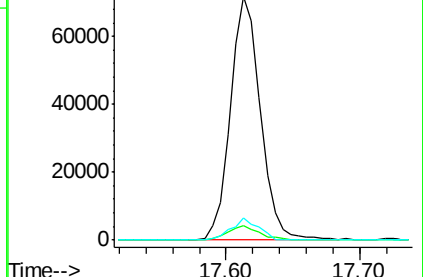
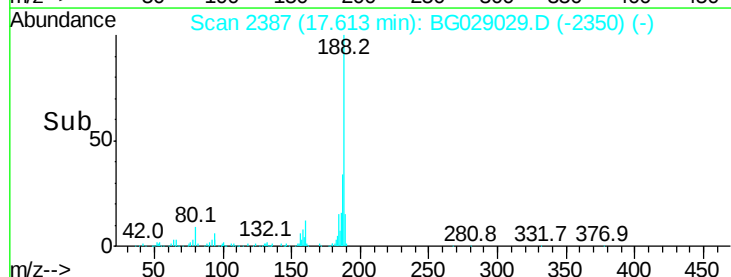
80 9.0 7.5 11.3

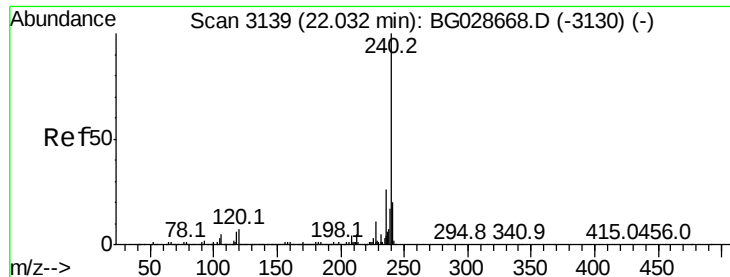


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.93 min Scan# 3121

Delta R.T. -0.11 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

Instrument :

BNA_G

ClientSampleId :

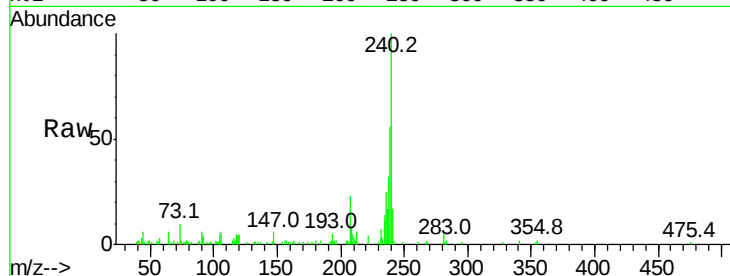
Tot Ion:240 Resp: 29726

Ion Ratio Lower Upper

240 100

120 9.2 5.7 8.5#

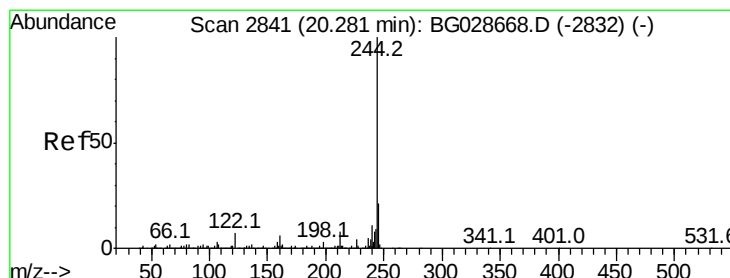
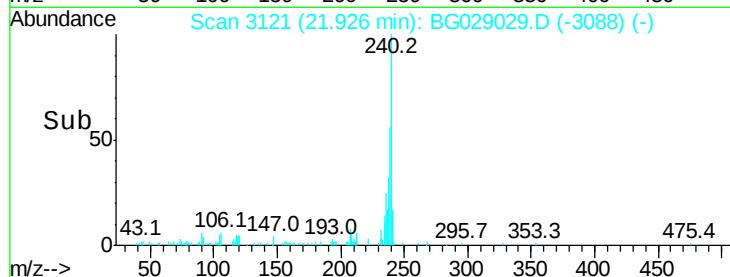
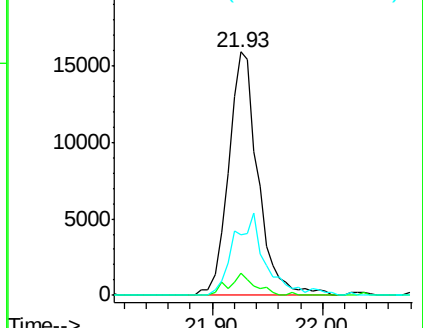
236 25.0 22.2 33.4



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



#78

Terphenyl-d14

Concen: 344.425 ng

RT: 20.20 min Scan# 2828

Delta R.T. -0.08 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

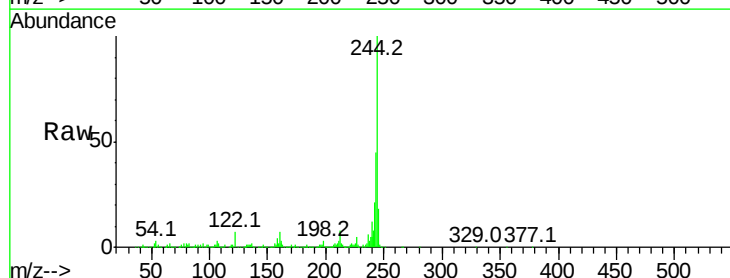
Tgt Ion:244 Resp: 480097

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

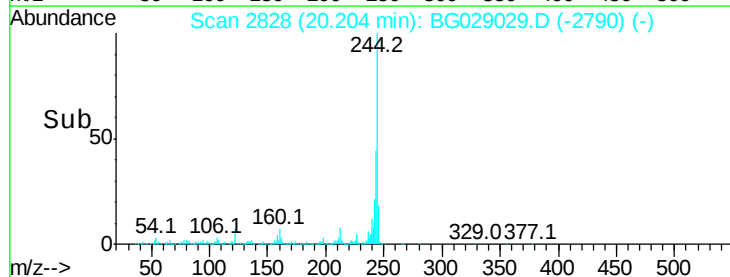
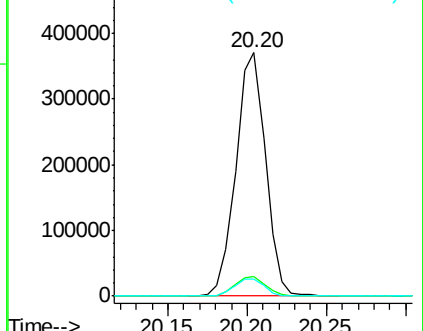
122 6.8 8.6 12.8#

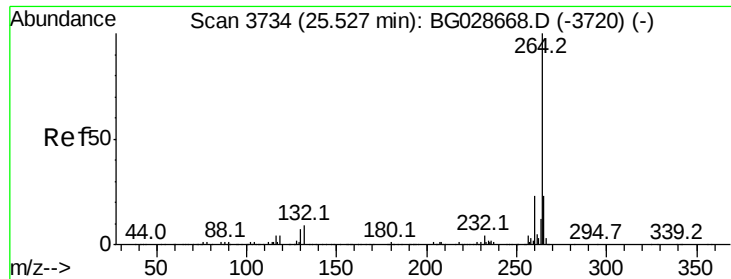


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

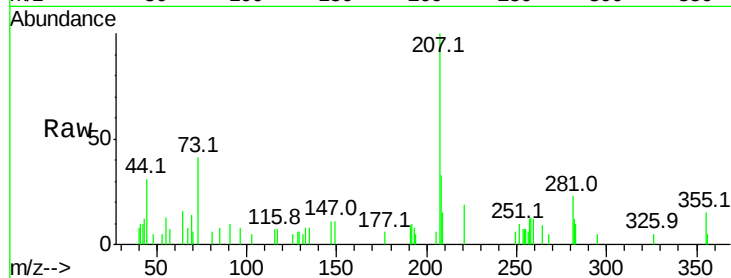




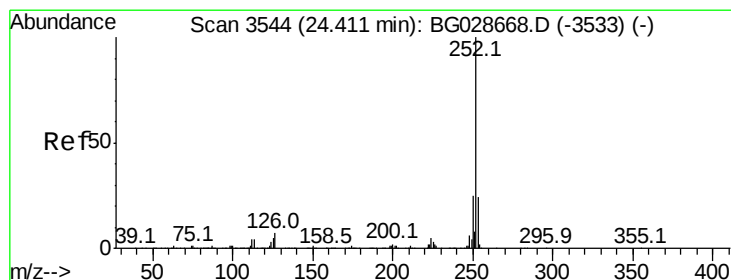
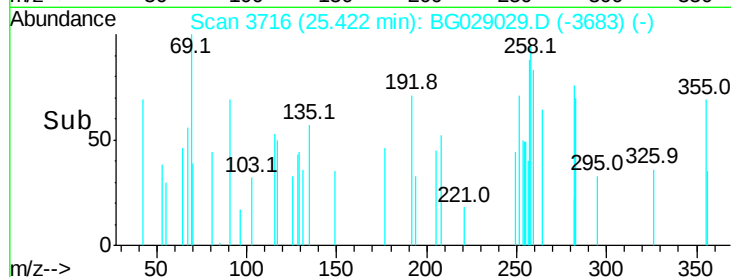
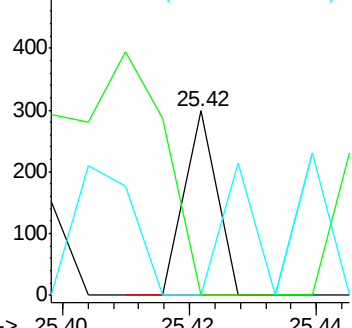
#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.42 min Scan# 3716
Delta R.T. -0.11 min
Lab File: BG029029.D
Acq: 4 Oct 2017 7:10

Instrument :
BNA_G
ClientSampled :

Tot Ion:264 Resp: 105
Ion Ratio Lower Upper
264 100
260 0.0 21.8 32.8#
265 0.0 18.2 27.4#

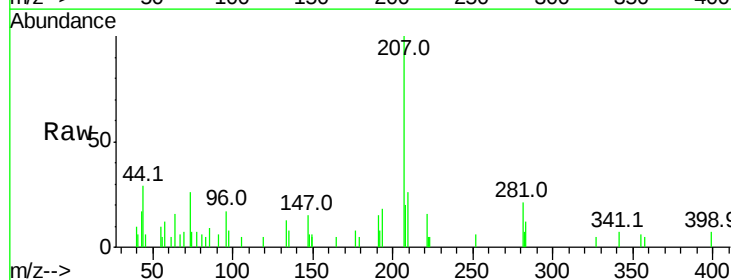


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

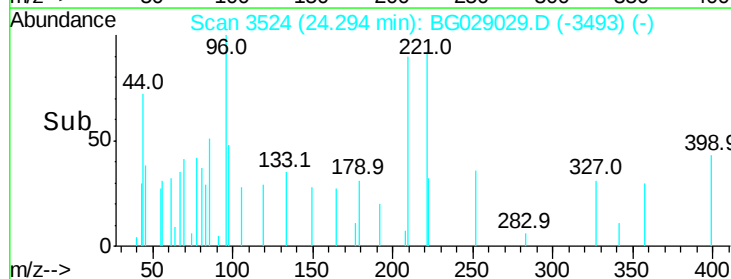
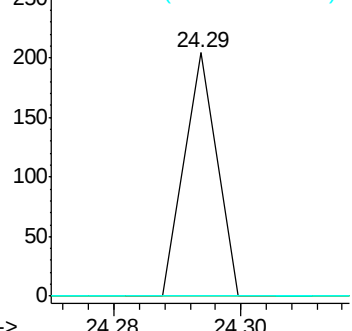


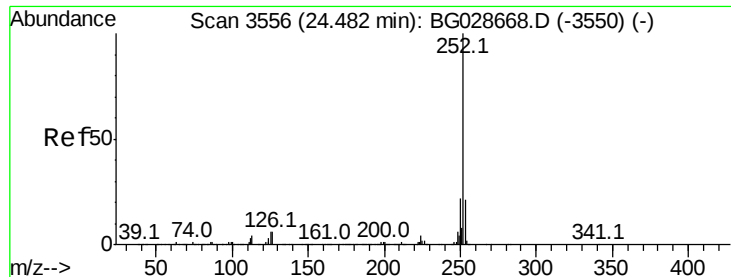
#87
Benzo(b)fluoranthene
Concen: 11.445 ng
RT: 24.29 min Scan# 3524
Delta R.T. -0.12 min
Lab File: BG029029.D
Acq: 4 Oct 2017 7:10

Tgt Ion:252 Resp: 72
Ion Ratio Lower Upper
252 100
253 0.0 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





#88

Benzo(k)fluoranthene

Concen: 10.344 ng

RT: 24.35 min Scan# 3533

Delta R.T. -0.14 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

Instrument :

BNA_G

ClientSampleId :

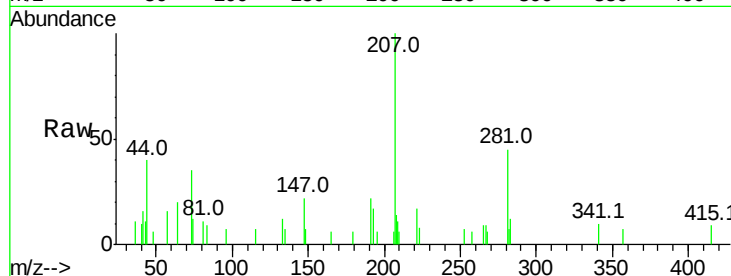
Tot Ion:252 Resp: 65

Ion Ratio Lower Upper

252 100

253 0.0 20.2 30.2#

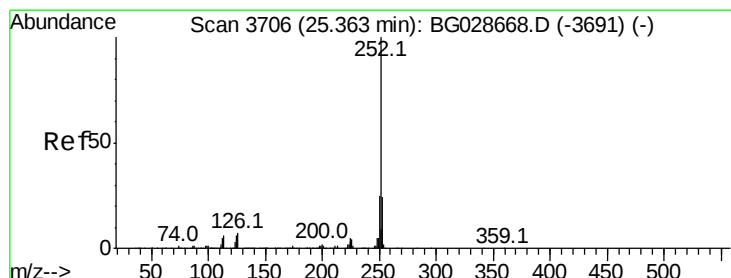
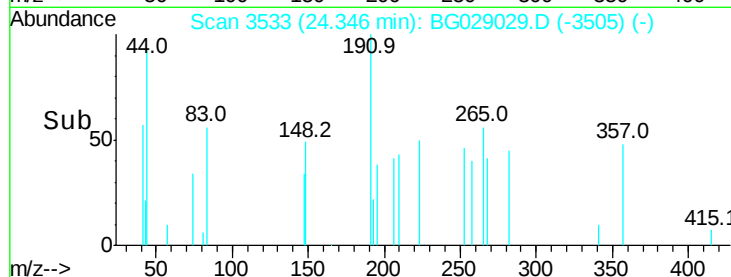
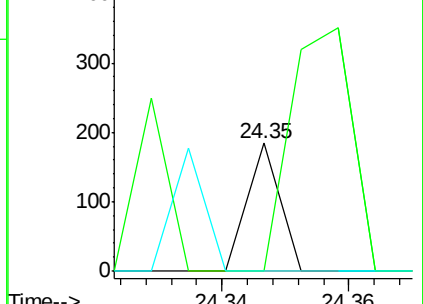
125 0.0 5.1 7.7#



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: 13.900 ng

RT: 25.15 min Scan# 3670

Delta R.T. -0.21 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

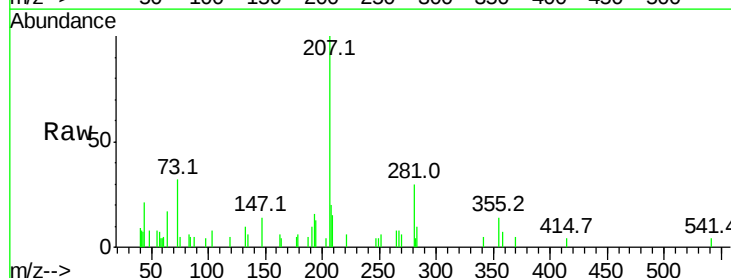
Tgt Ion:252 Resp: 83

Ion Ratio Lower Upper

252 100

253 0.0 19.2 28.8#

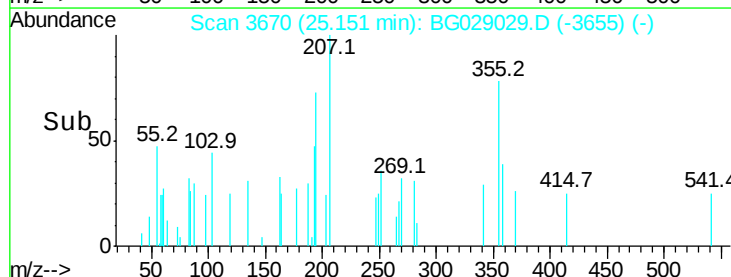
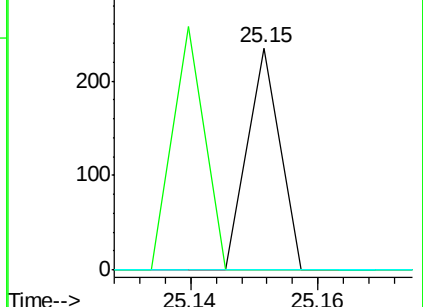
125 0.0 5.4 8.0#

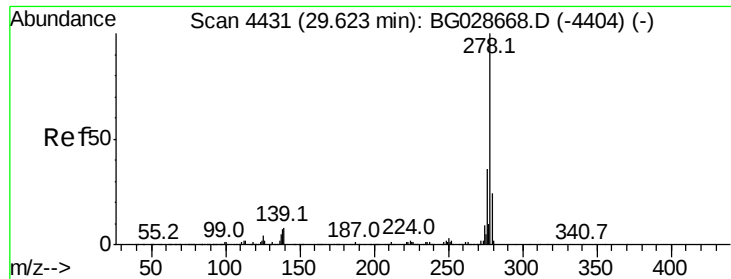


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 9.317 ng

RT: 29.42 min Scan# 4396

Delta R.T. -0.21 min

Lab File: BG029029.D

Acq: 4 Oct 2017 7:10

Instrument :

BNA_G

ClientSampleId :

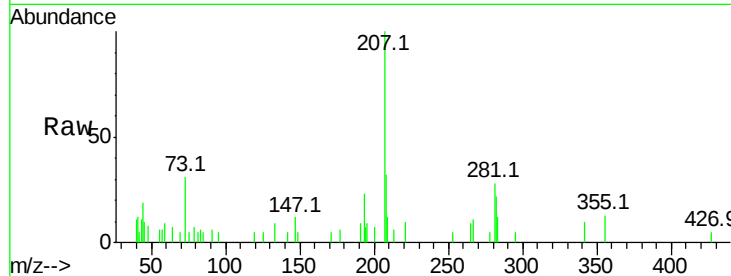
Tot Ion: 278 Resp: 58

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

