

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024111.D
 Acq On : 24 Sep 2016 6:16
 Operator : UM/SJ
 Sample : H4893-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PZ-3

Quant Time: Sep 24 07:07:14 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

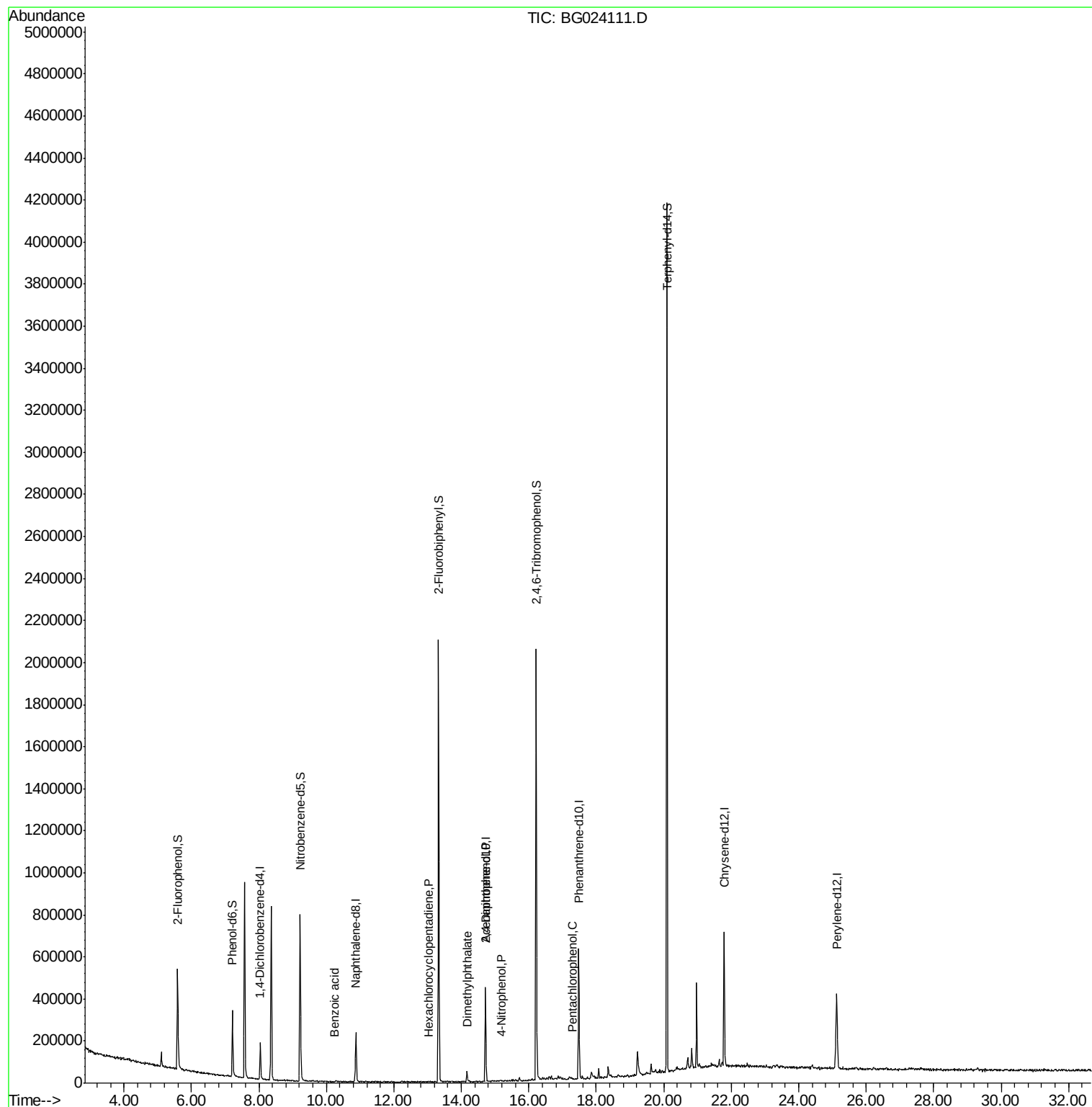
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45674	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	196174	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	161699	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	362126	20.00	ng	0.00
75) Chrysene-d12	21.79	240	402962	20.00	ng	0.00
86) Perylene-d12	25.12	264	395499	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	202975	76.99	ng	0.00
7) Phenol-d6	7.21	99	192779	43.46	ng	0.00
23) Nitrobenzene-d5	9.22	82	509830	102.43	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	347679	149.59	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	1027673	106.83	ng	0.00
78) Terphenyl-d14	20.09	244	1634420	83.05	ng	0.00
Target Compounds						
32) Benzoic acid	10.25	122	69	2.18	ng	# 1
40) Hexachlorocyclopentadiene	13.01	237	59	3.62	ng	# 26
49) Dimethylphthalate	14.17	163	30331	2.45	ng	# 97
53) 2,4-Dinitrophenol	14.71	184	63	2.50	ng	# 1
55) 4-Nitrophenol	15.21	139	126	5.40	ng	90
69) Pentachlorophenol	17.28	266	53	3.58	ng	# 15

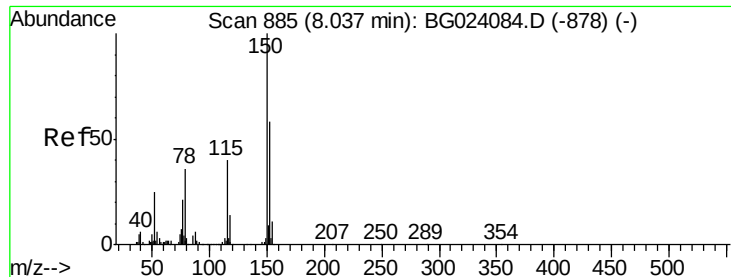
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. 0.00 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

Instrument :

BNA_G

ClientSampleId :

PZ-3

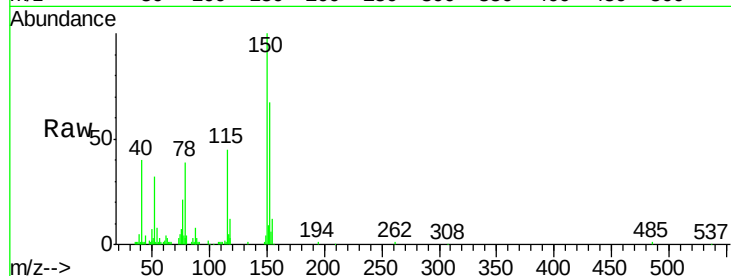
Tgt Ion:152 Resp: 45674

Ion Ratio Lower Upper

152 100

150 148.8 144.7 217.1

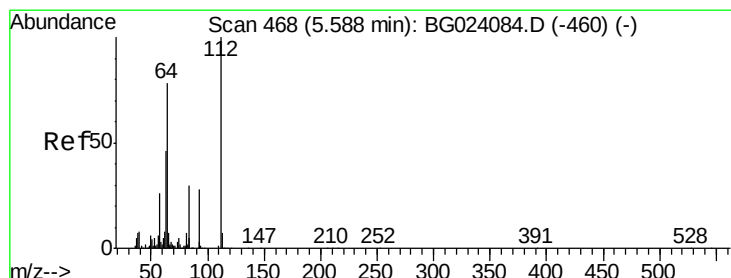
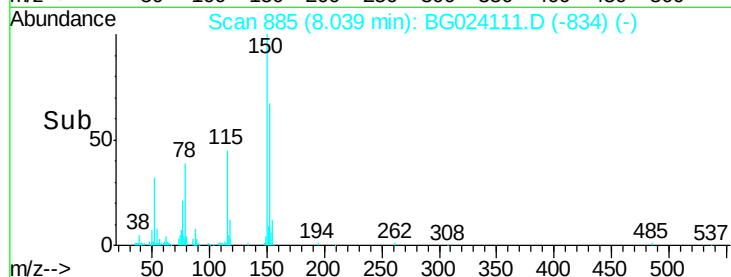
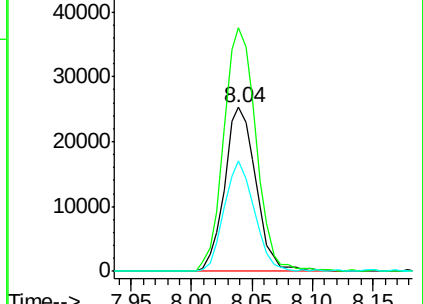
115 67.7 64.0 96.0



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: 76.99 ng

RT: 5.59 min Scan# 468

Delta R.T. 0.00 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

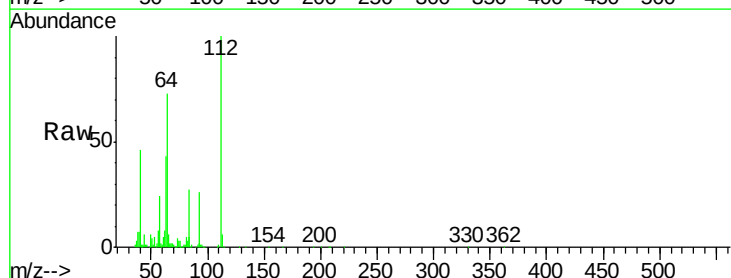
Tgt Ion:112 Resp: 202975

Ion Ratio Lower Upper

112 100

64 72.6 59.0 88.4

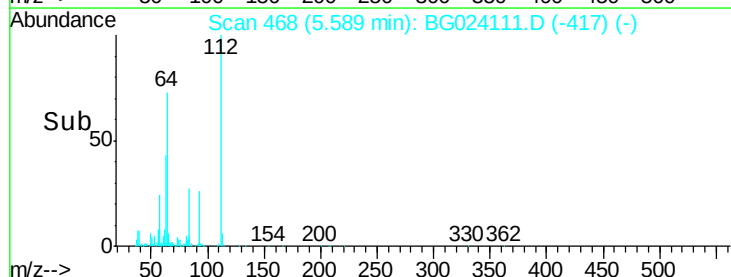
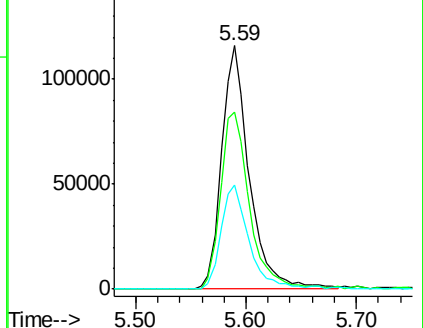
63 42.8 37.8 56.8

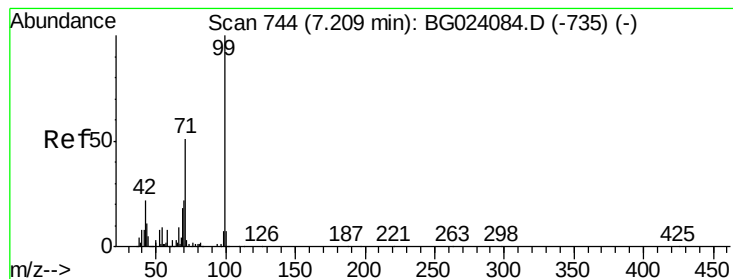


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 43.46 ng

RT: 7.21 min Scan# 744

Delta R.T. 0.00 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

Instrument :

BNA_G

ClientSampleId :

PZ-3

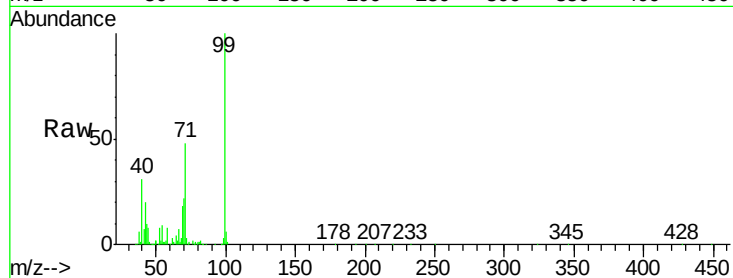
Tgt Ion: 99 Resp: 192779

Ion Ratio Lower Upper

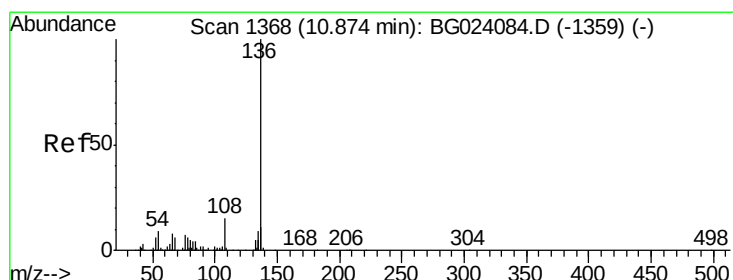
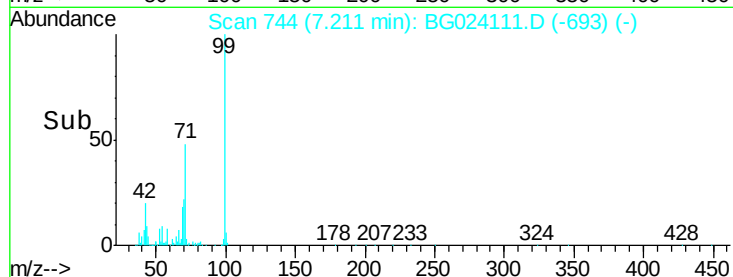
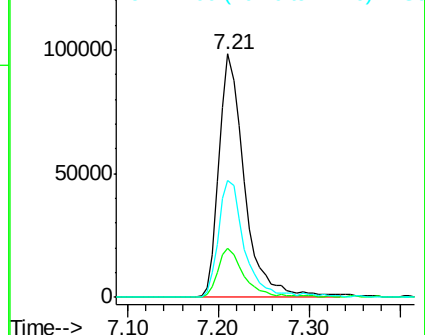
99 100

42 20.1 17.8 26.6

71 48.0 41.5 62.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.88 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

Tgt Ion: 136 Resp: 196174

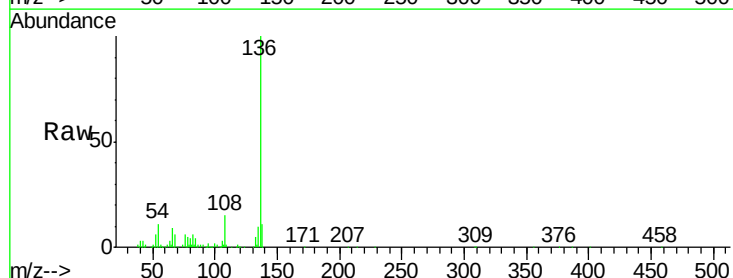
Ion Ratio Lower Upper

136 100

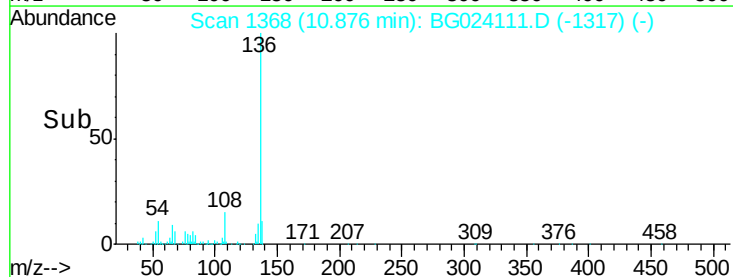
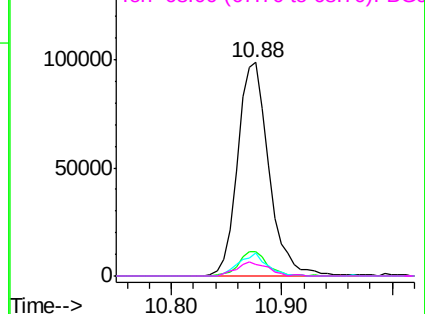
137 11.4 9.6 14.4

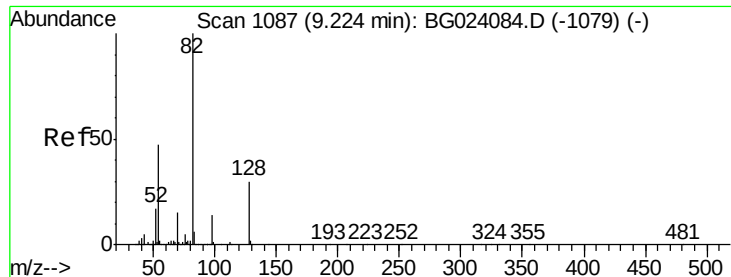
54 11.0 7.3 10.9#

68 5.5 5.3 7.9



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

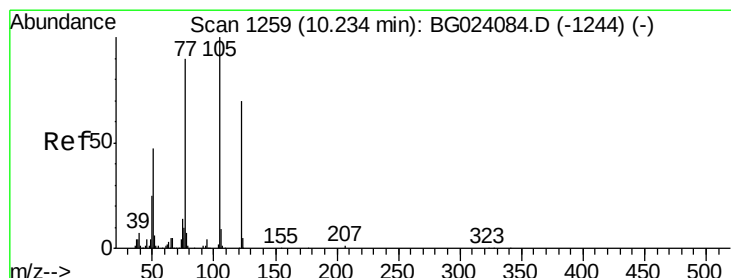
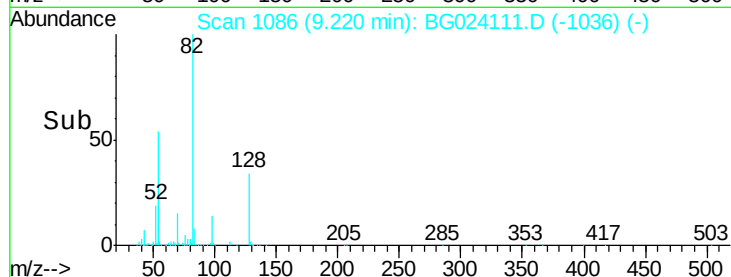
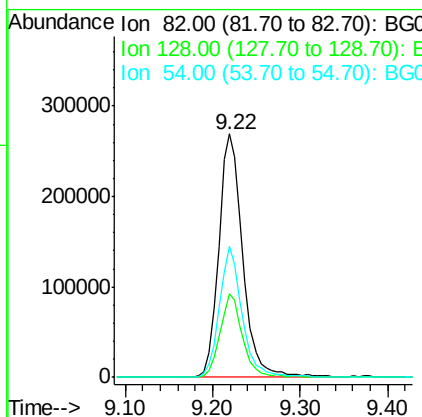
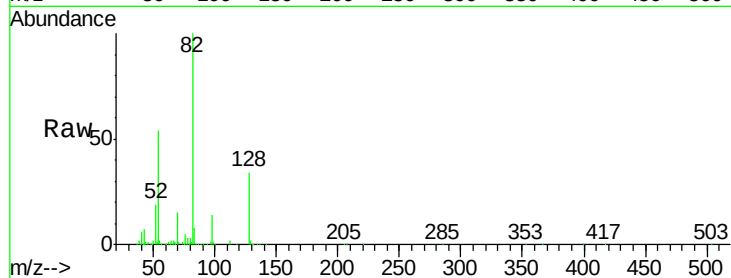




#23
 Nitrobenzene-d5
 Concen: 102.43 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BG024111.D
 Acq: 24 Sep 2016 6:16

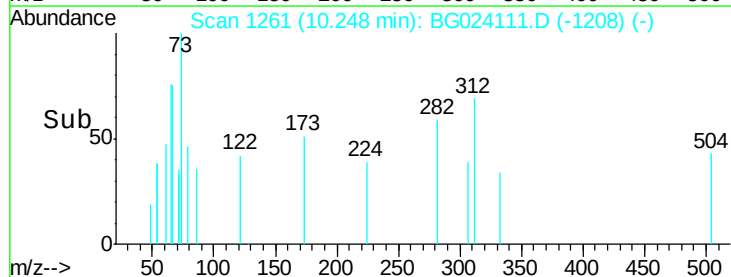
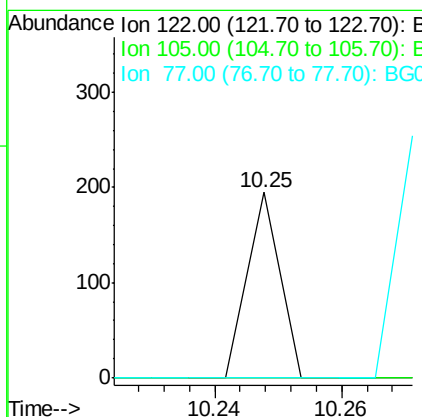
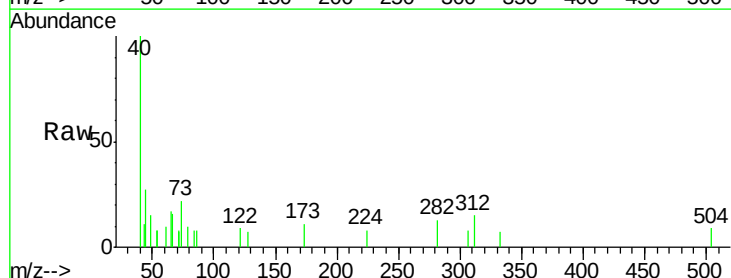
Instrument :
 BNA_G
 ClientSampleId :
 PZ-3

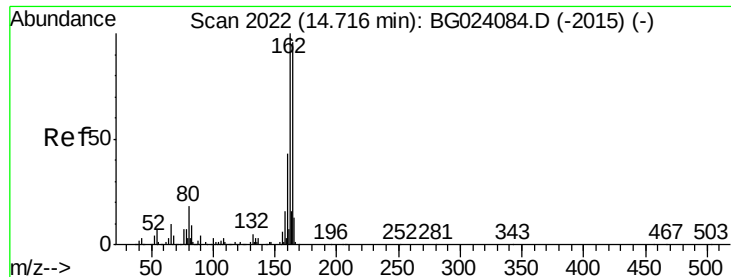
Tgt Ion: 82 Resp: 509830
 Ion Ratio Lower Upper
 82 100
 128 34.1 24.4 36.6
 54 54.1 41.4 62.0



#32
 Benzoic acid
 Concen: 2.18 ng
 RT: 10.25 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: BG024111.D
 Acq: 24 Sep 2016 6:16

Tgt Ion: 122 Resp: 69
 Ion Ratio Lower Upper
 122 100
 105 0.0 117.2 157.2#
 77 0.0 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

Instrument :

BNA_G

ClientSampleId :

PZ-3

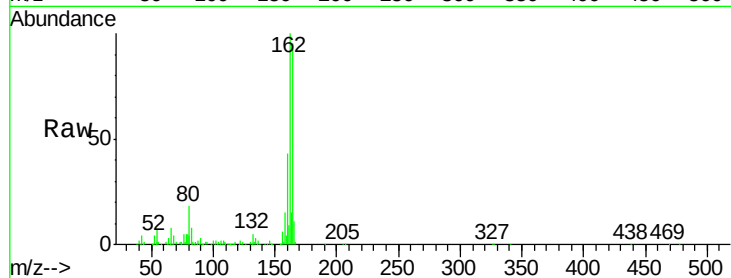
Tgt Ion:164 Resp: 161699

Ion Ratio Lower Upper

164 100

162 105.0 87.7 131.5

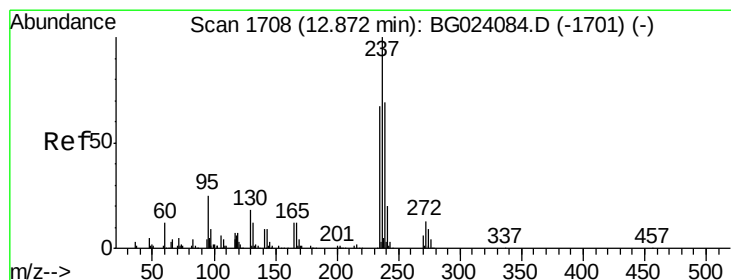
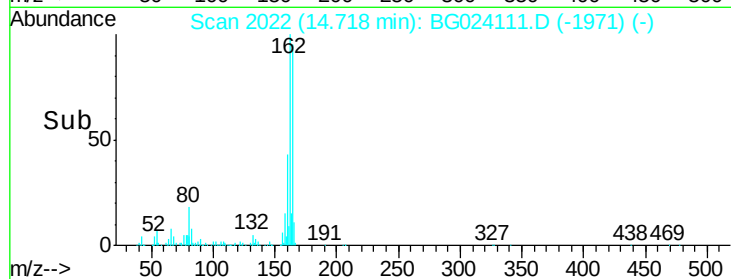
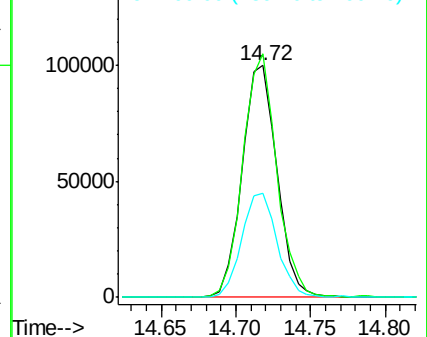
160 45.2 37.2 55.8



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: 3.62 ng

RT: 13.01 min Scan# 1732

Delta R.T. 0.14 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

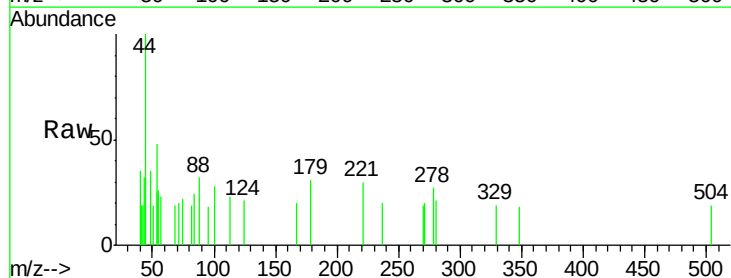
Tgt Ion:237 Resp: 59

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

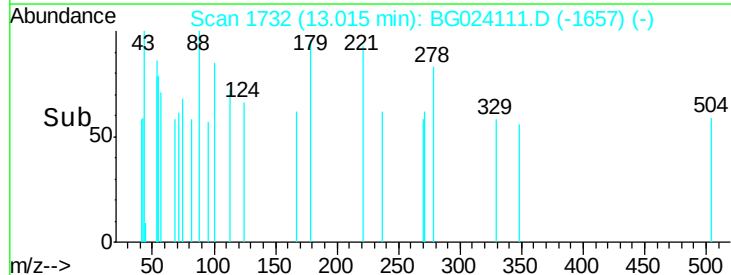
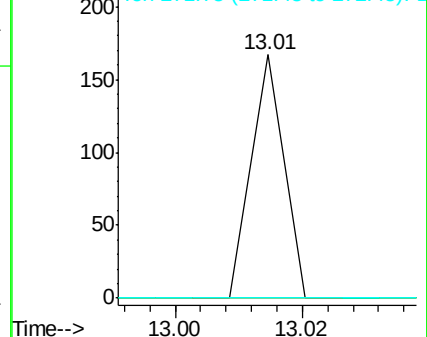
272 0.0 0.0 30.9

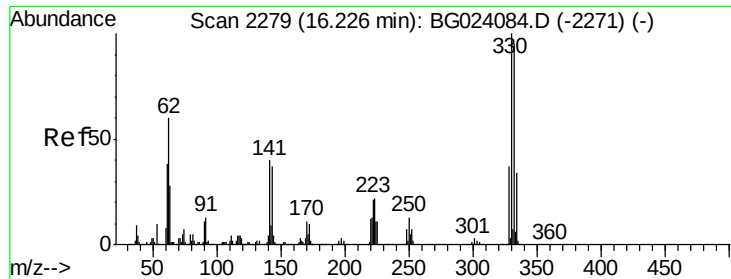


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

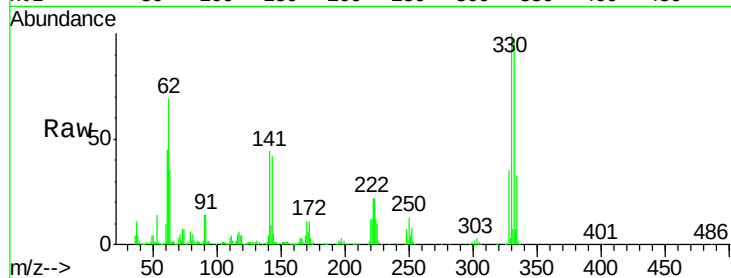




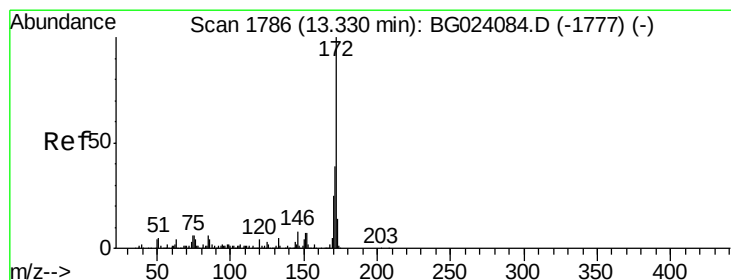
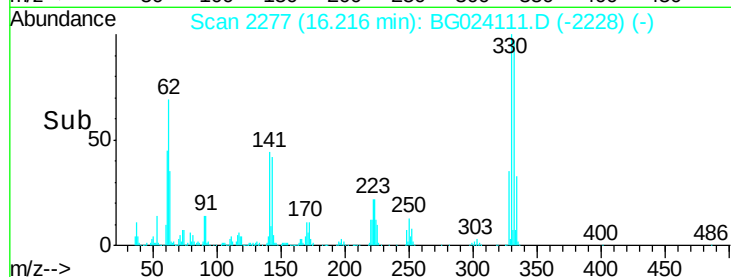
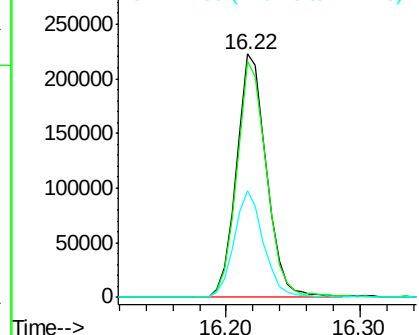
#41
 2,4,6-Tribromophenol
 Concen: 149.59 ng
 RT: 16.22 min Scan# 2277
 Delta R.T. -0.01 min
 Lab File: BG024111.D
 Acq: 24 Sep 2016 6:16

Instrument :
 BNA_G
 ClientSampleId :
 PZ-3

Tgt Ion:330 Resp: 347679
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 43.1 31.7 47.5

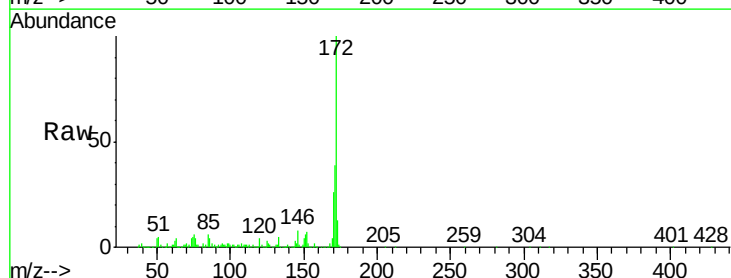


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

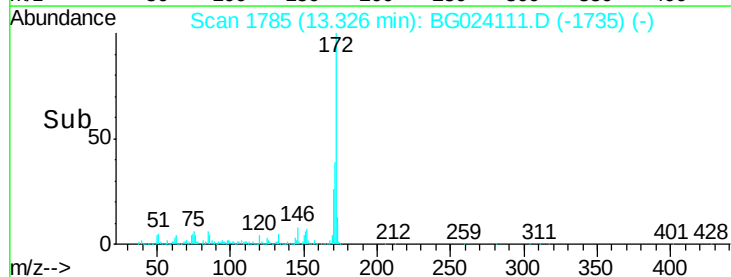
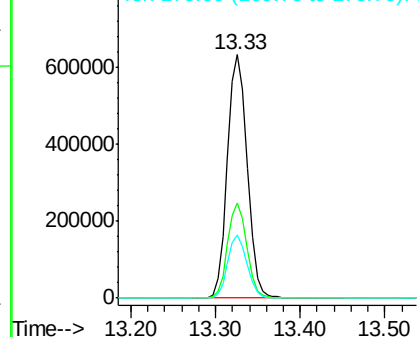


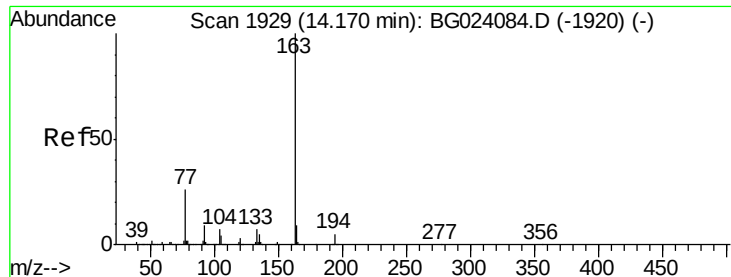
#44
 2-Fluorobiphenyl
 Concen: 106.83 ng
 RT: 13.33 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: BG024111.D
 Acq: 24 Sep 2016 6:16

Tgt Ion:172 Resp: 1027673
 Ion Ratio Lower Upper
 172 100
 171 38.9 31.6 47.4
 170 25.7 21.3 31.9



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: 2.45 ng

RT: 14.17 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

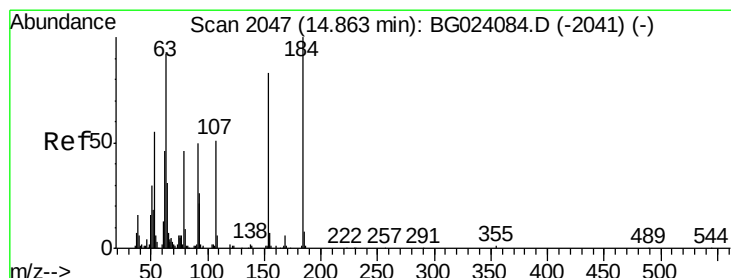
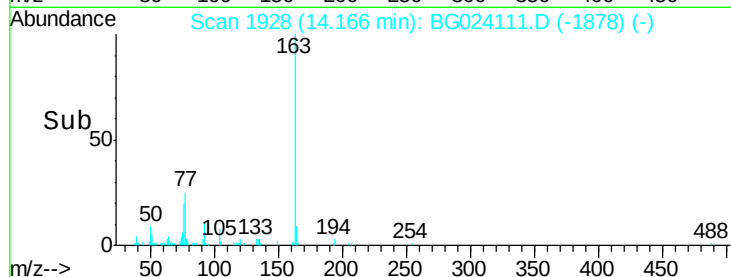
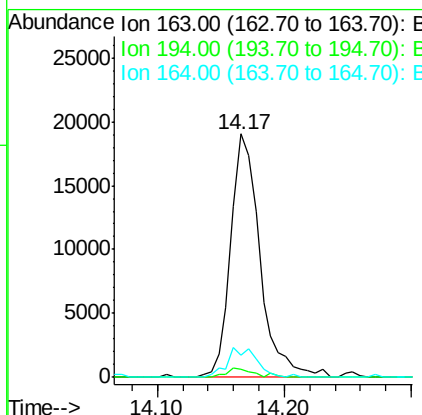
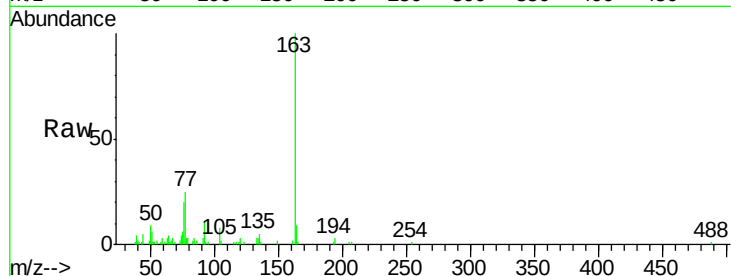
Instrument :

BNA_G

ClientSampleId :

PZ-3

Tgt Ion:	163	Resp:	30331
Ion Ratio	Lower	Upper	
163	100		
194	3.1	3.6	5.4#
164	9.0	8.1	12.1



#53

2,4-Dinitrophenol

Concen: 2.50 ng

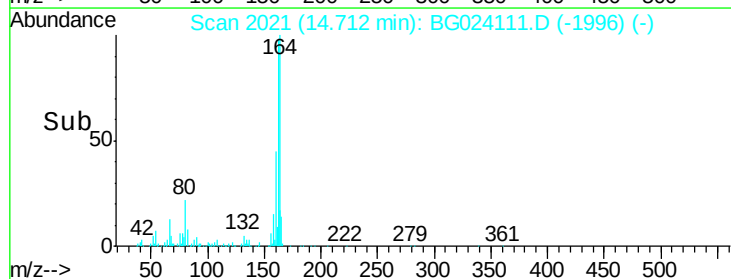
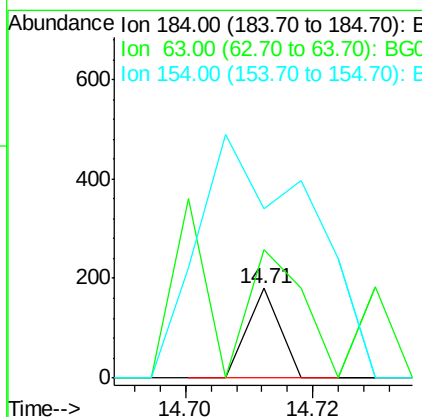
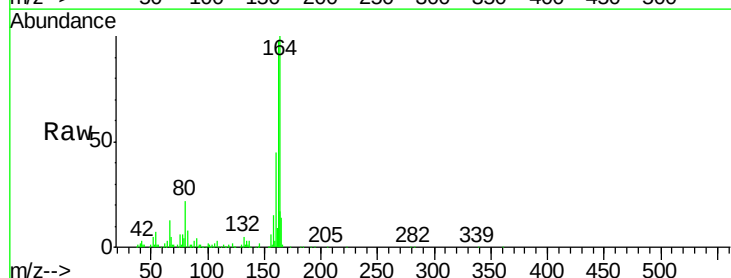
RT: 14.71 min Scan# 2021

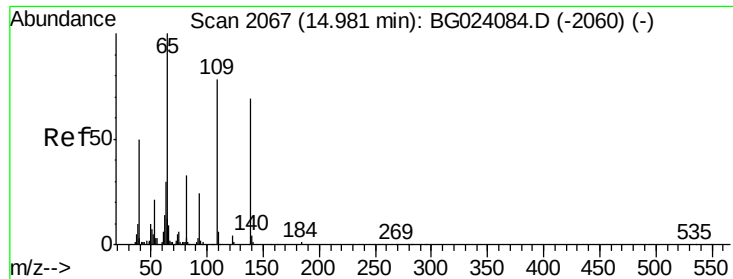
Delta R.T. -0.15 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

Tgt Ion:	184	Resp:	63
Ion Ratio	Lower	Upper	
184	100		
63	143.3	59.6	89.4#
154	189.4	67.4	101.0#

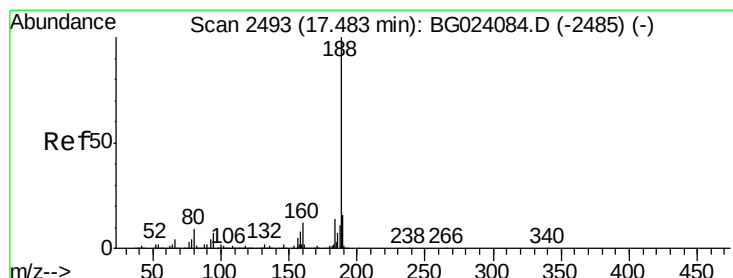
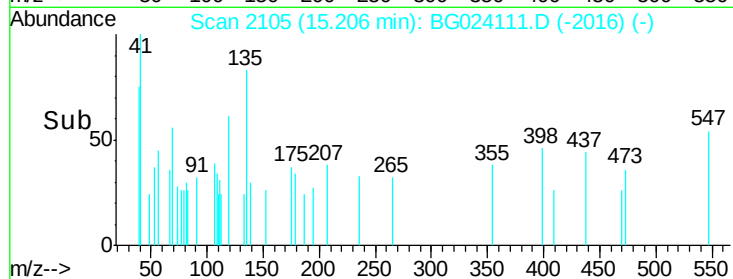
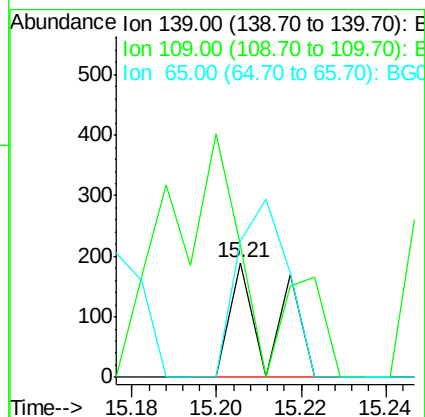
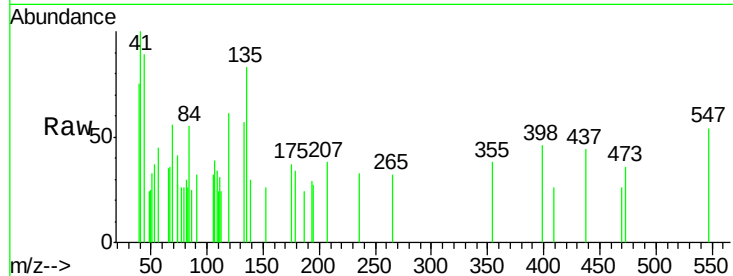




#55
4-Nitrophenol
Concen: 5.40 ng
RT: 15.21 min Scan# 2105
Delta R.T. 0.23 min
Lab File: BG024111.D
Acq: 24 Sep 2016 6:16

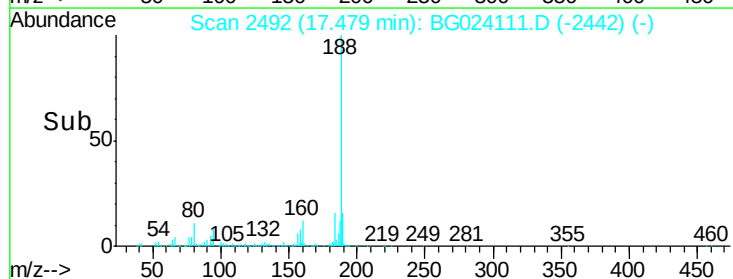
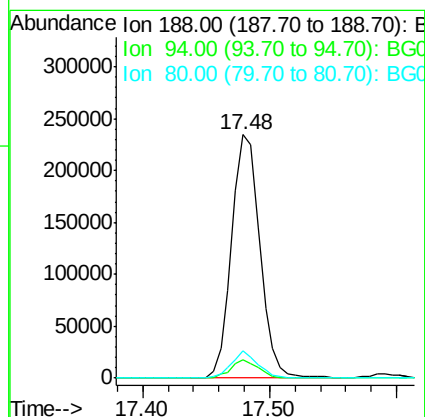
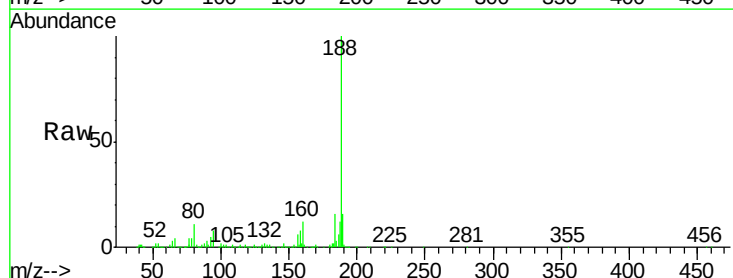
Instrument :
BNA_G
ClientSampleId :
PZ-3

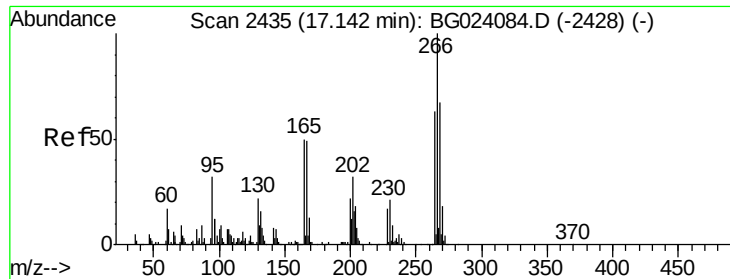
Tgt Ion:139 Resp: 126
Ion Ratio Lower Upper
139 100
109 115.3 103.0 143.0
65 118.5 112.7 152.7



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.00 min
Lab File: BG024111.D
Acq: 24 Sep 2016 6:16

Tgt Ion:188 Resp: 362126
Ion Ratio Lower Upper
188 100
94 7.6 5.2 7.8
80 11.1 7.2 10.8#





#69

Pentachlorophenol

Concen: 3.58 ng

RT: 17.28 min Scan# 2458

Delta R.T. 0.14 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

Instrument :

BNA_G

ClientSampleId :

PZ-3

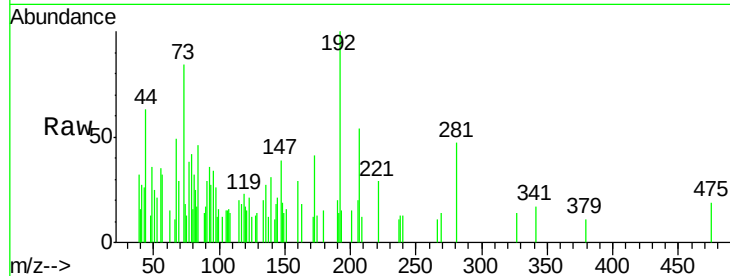
Tgt Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

268 134.7 51.9 77.9#

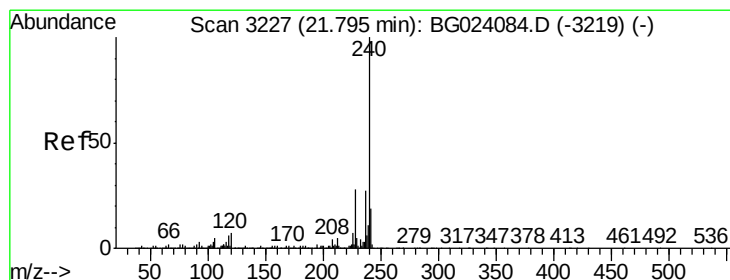
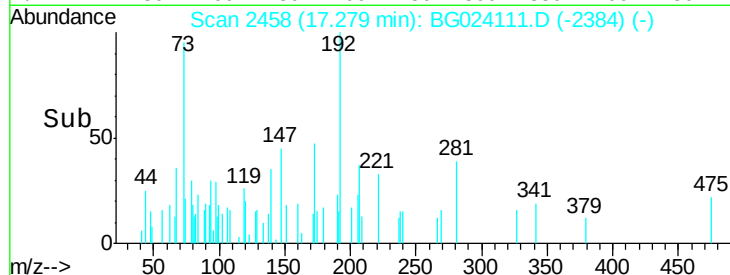
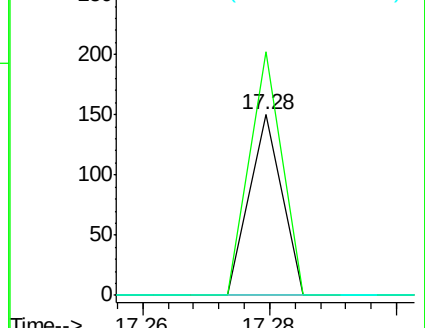
264 0.0 50.6 75.8#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

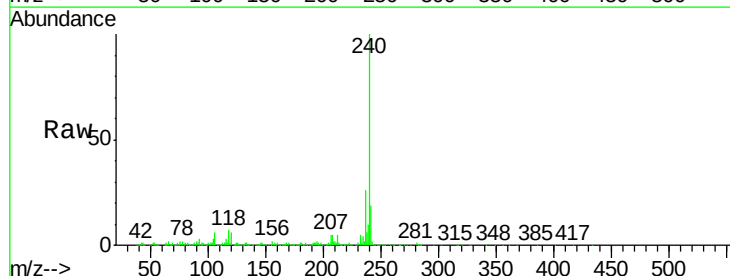
Tgt Ion:240 Resp: 402962

Ion Ratio Lower Upper

240 100

120 6.4 4.1 6.1#

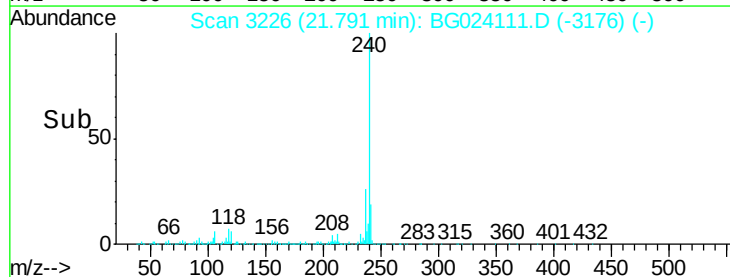
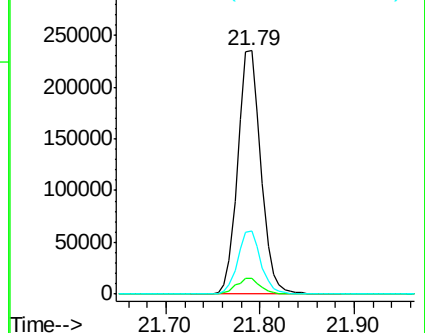
236 26.2 21.1 31.7

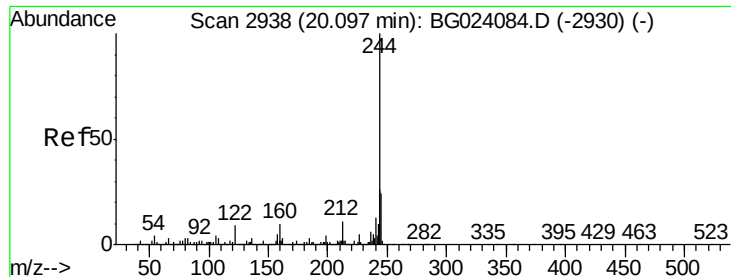


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.05 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.00 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

Instrument :

BNA_G

ClientSampleId :

PZ-3

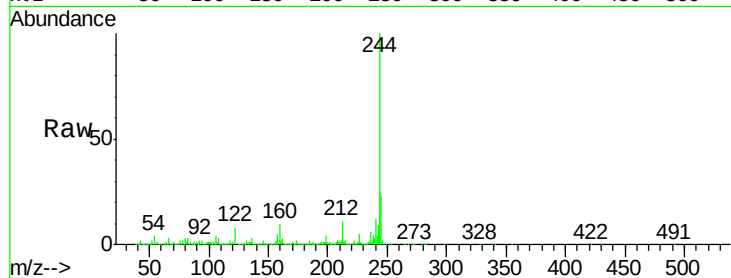
Tgt Ion:244 Resp: 1634420

Ion Ratio Lower Upper

244 100

212 10.6 10.8 16.2#

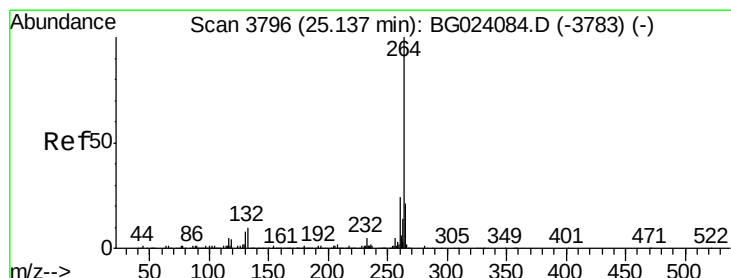
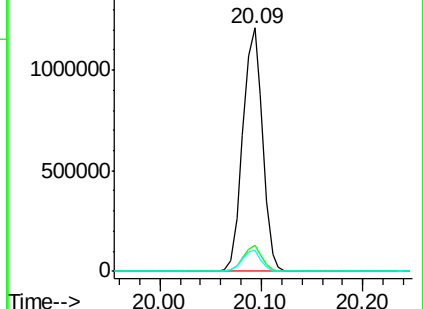
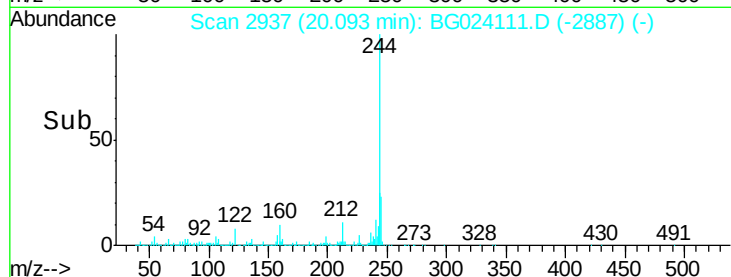
122 8.3 8.0 12.0



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: 25.12 min Scan# 3793

Delta R.T. -0.02 min

Lab File: BG024111.D

Acq: 24 Sep 2016 6:16

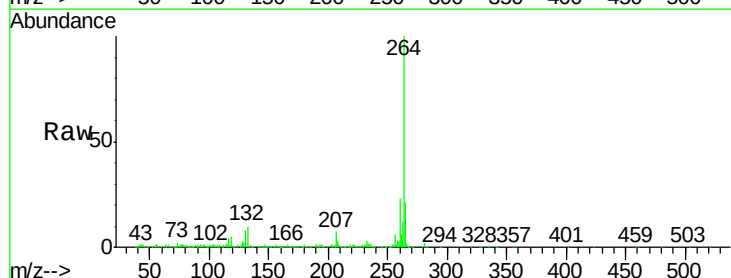
Tgt Ion:264 Resp: 395499

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

265 21.4 18.9 28.3



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

