

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\
 Data File : BG024727.D
 Acq On : 7 Nov 2016 13:20
 Operator : UM/SJ
 Sample : H5531-02DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 15:07:54 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	93502	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	372964	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	298394	20.00	ng	-0.01
63) Phenanthrene-d10	17.62	188	677284	20.00	ng	0.00
75) Chrysene-d12	21.91	240	974260	20.00	ng	-0.02
86) Perylene-d12	25.34	264	1008223	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.79	112	110510	19.37	ng	0.00
7) Phenol-d6	7.39	99	102276	13.07	ng	0.00
23) Nitrobenzene-d5	9.44	82	165921	20.25	ng	-0.01
41) 2,4,6-Tribromophenol	16.36	330	156666	35.14	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	401504	22.36	ng	-0.01
78) Terphenyl-d14	20.20	244	784106	24.05	ng	-0.01

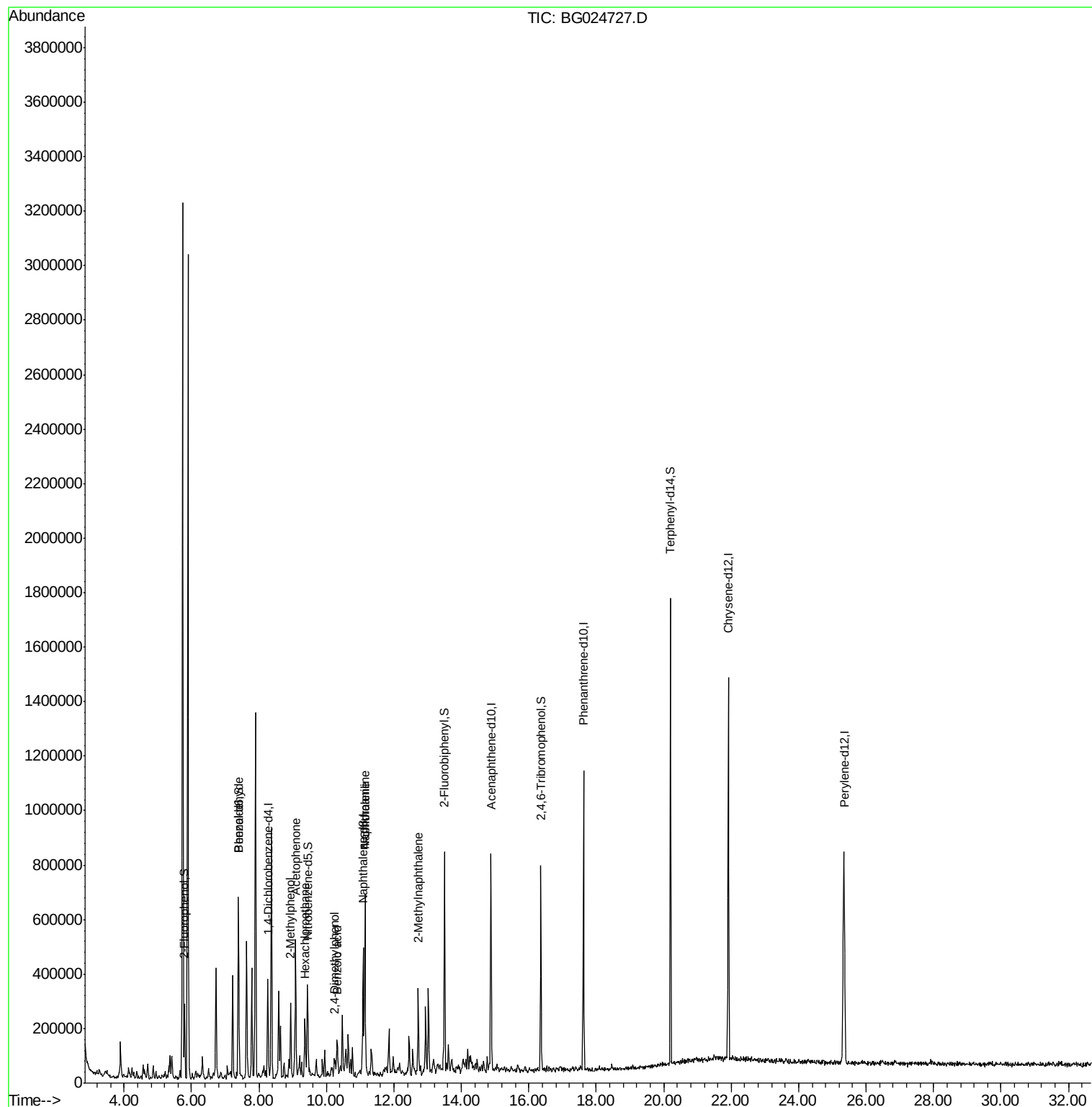
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.39	77	49870	10.31	ng	# 1
17) 2-Methylphenol	8.94	107	66791	12.50	ng	# 24
18) Hexachloroethane	9.37	117	23581	8.65	ng	# 10
22) Acetophenone	9.08	105	304749	31.81	ng	# 88
27) 2,4-Dimethylphenol	10.23	122	14123	2.39	ng	# 88
31) Naphthalene	11.14	128	520535	27.98	ng	98
32) Benzoic acid	10.32	122	42741	8.67	ng	86
33) 4-Chloroaniline	11.13	127	71497	8.85	ng	# 26
37) 2-Methylnaphthalene	12.73	142	144504	10.65	ng	95

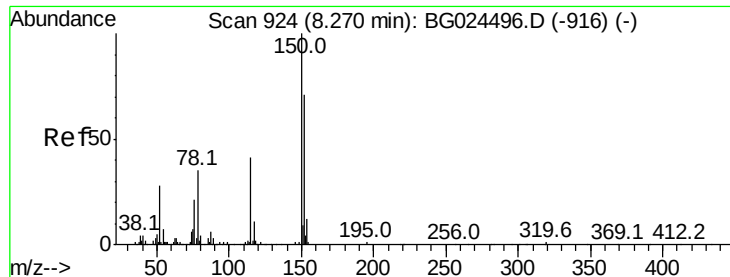
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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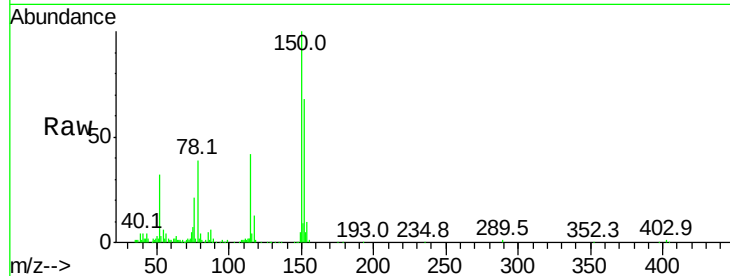


#1

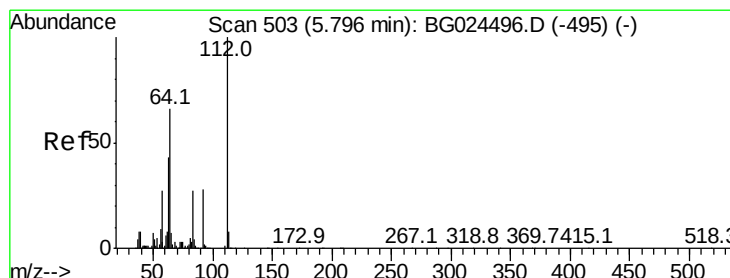
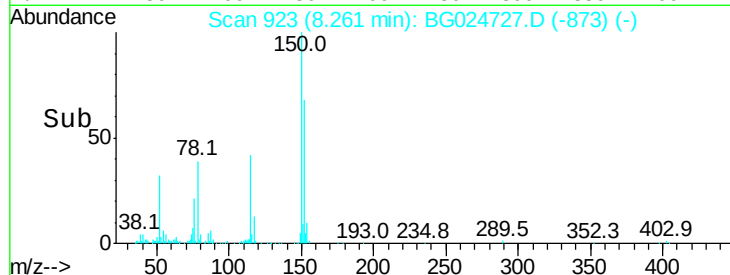
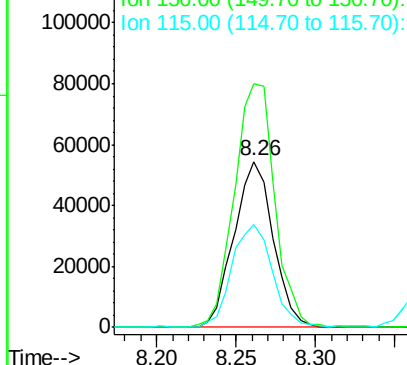
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.26 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG024727.D
Acq: 7 Nov 2016 13:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	93502
Ion Ratio	Lower	Upper	
152	100		
150	146.6	114.0	171.0
115	62.1	48.1	72.1



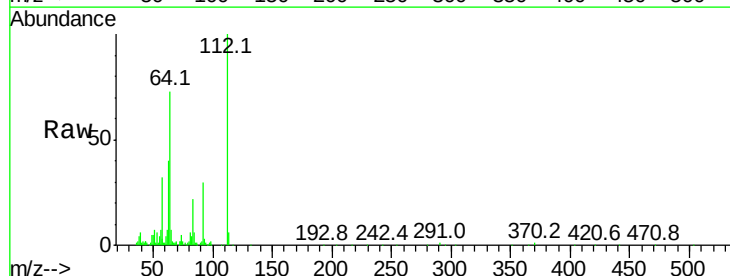
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



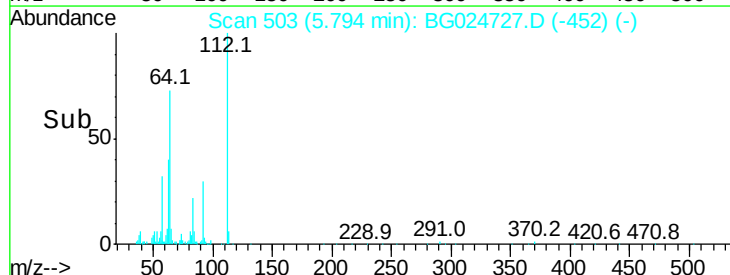
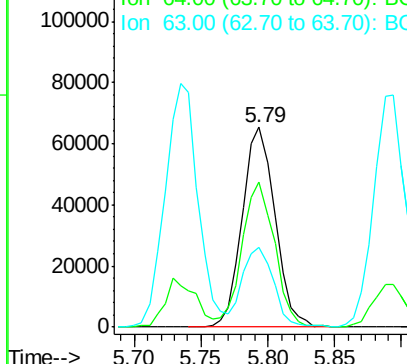
#5

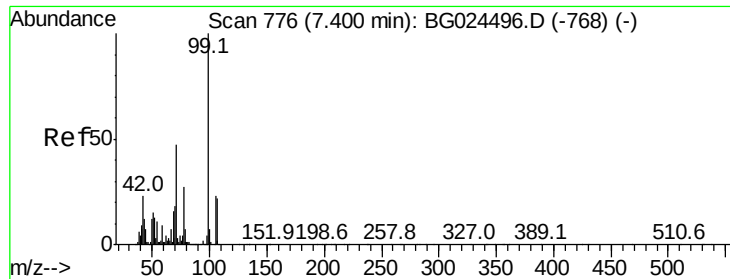
2-Fluorophenol
Concen: 19.37 ng
RT: 5.79 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG024727.D
Acq: 7 Nov 2016 13:20

Tgt Ion	112	Resp	110510
Ion Ratio	Lower	Upper	
112	100		
64	72.9	61.8	92.6
63	39.7	37.2	55.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 13.07 ng

RT: 7.39 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG024727.D

Acq: 7 Nov 2016 13:20

Instrument :

BNA_G

ClientSampleId :

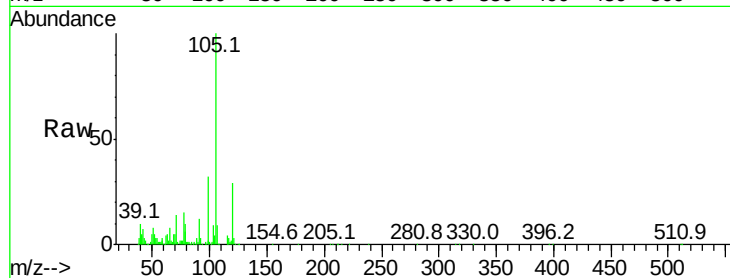
Tot Ion: 99 Resp: 102276

Ion Ratio Lower Upper

99 100

42 20.6 20.5 30.7

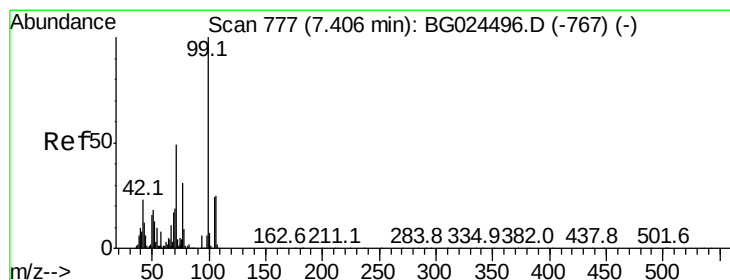
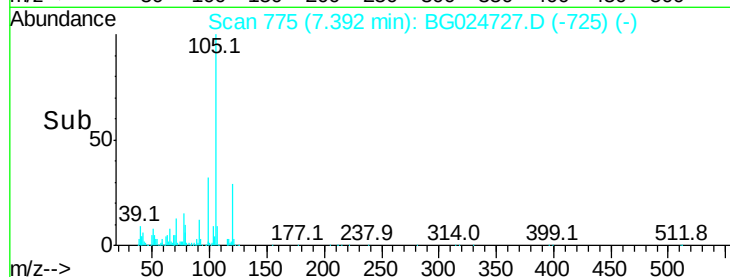
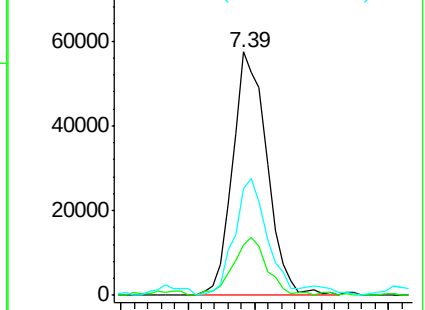
71 44.0 37.6 56.4



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



#9

Benzaldehyde

Concen: 10.31 ng

RT: 7.39 min Scan# 774

Delta R.T. -0.02 min

Lab File: BG024727.D

Acq: 7 Nov 2016 13:20

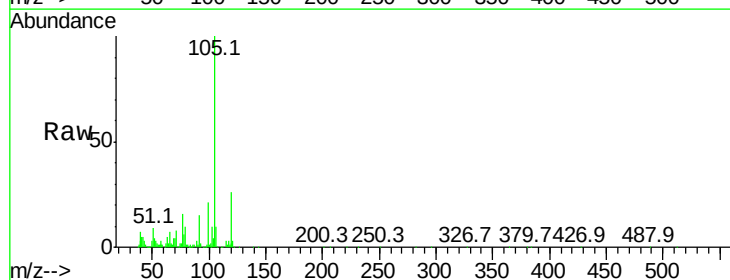
Tgt Ion: 77 Resp: 49870

Ion Ratio Lower Upper

77 100

105 635.0 60.9 100.9#

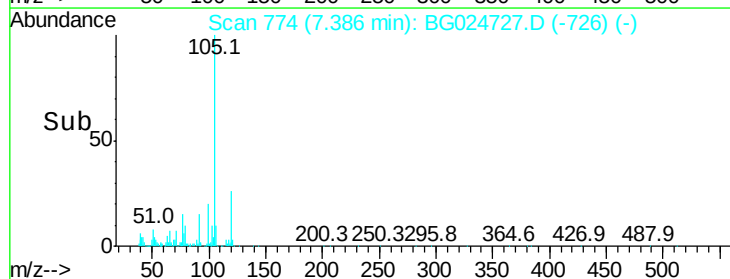
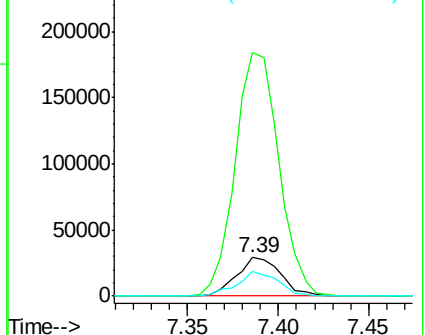
106 63.0 55.1 95.1

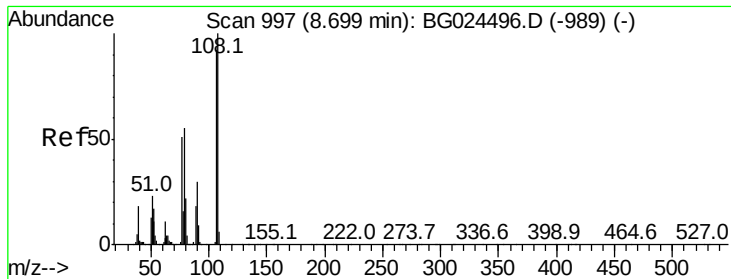


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#17

2-Methylphenol

Concen: 12.50 ng

RT: 8.94 min Scan# 1039

Delta R.T. 0.24 min

Lab File: BG024727.D

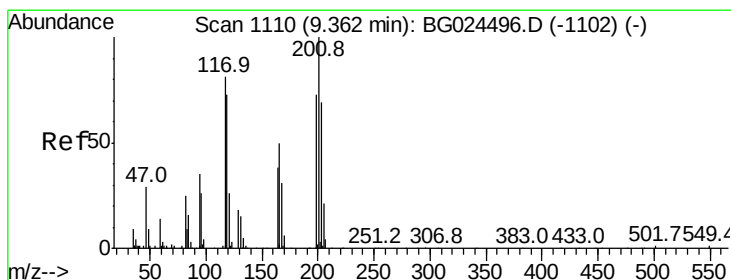
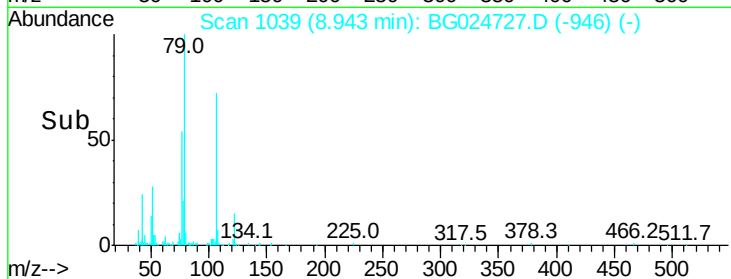
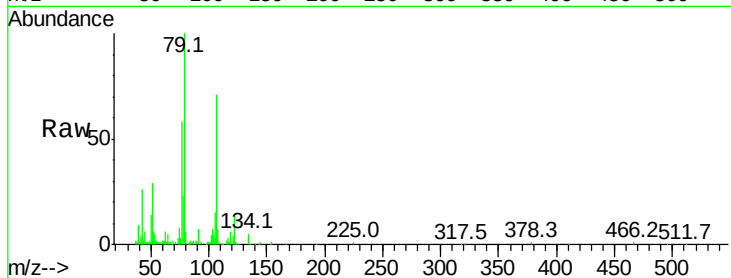
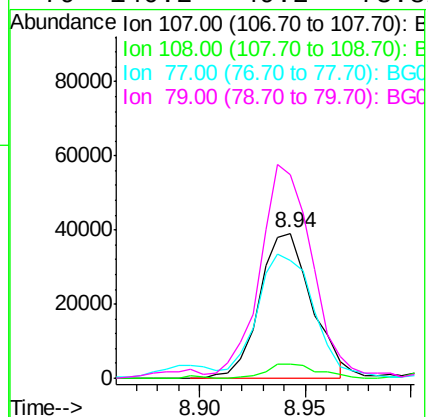
Acq: 7 Nov 2016 13:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	107	Resp:	66791
Ion	Ratio	Lower	Upper
107	100		
108	9.7	85.6	128.4#
77	81.3	51.4	77.2#
79	140.2	49.2	73.8#



#18

Hexachloroethane

Concen: 8.65 ng

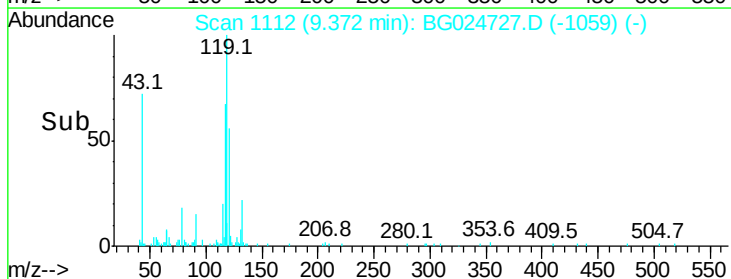
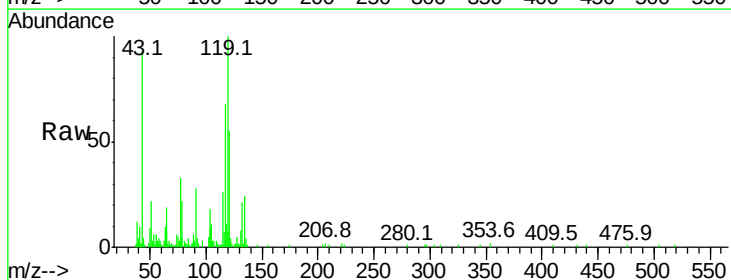
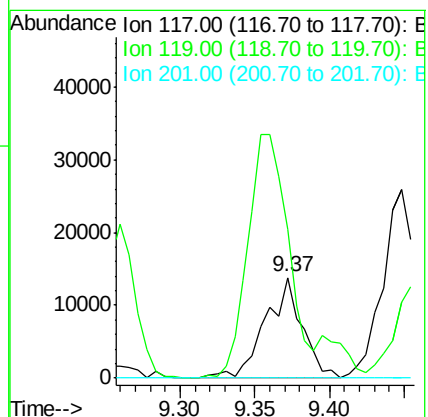
RT: 9.37 min Scan# 1112

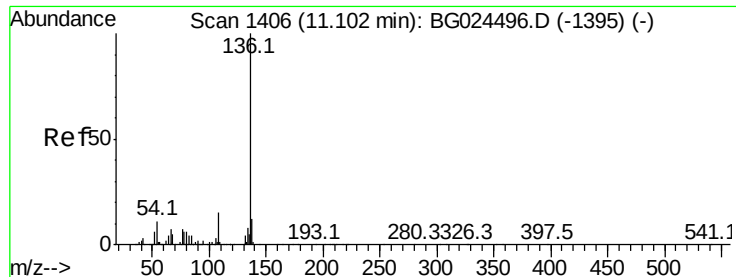
Delta R.T. 0.01 min

Lab File: BG024727.D

Acq: 7 Nov 2016 13:20

Tgt Ion:	117	Resp:	23581
Ion	Ratio	Lower	Upper
117	100		
119	147.8	69.8	104.6#
201	0.0	95.4	143.0#

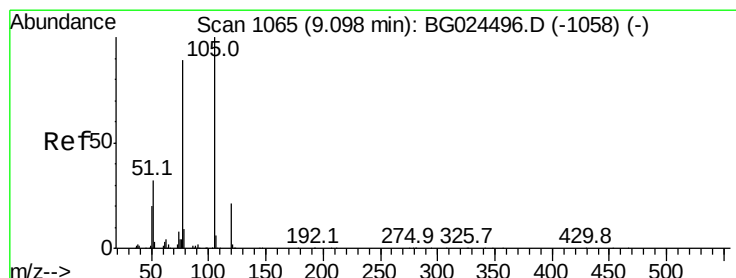
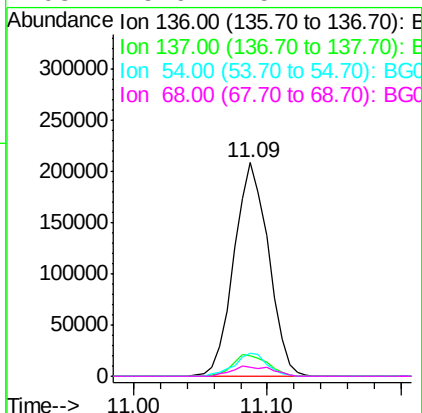
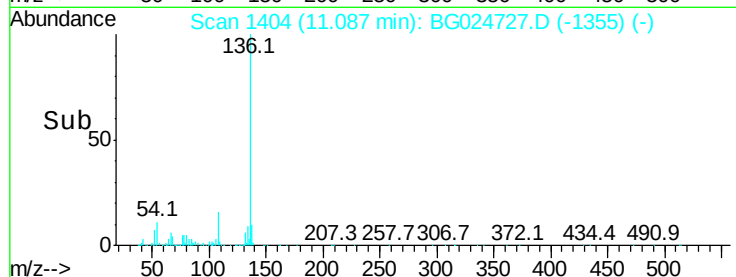
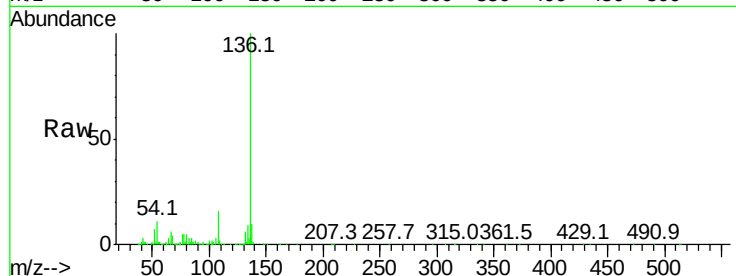




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG024727.D
Acq: 7 Nov 2016 13:20

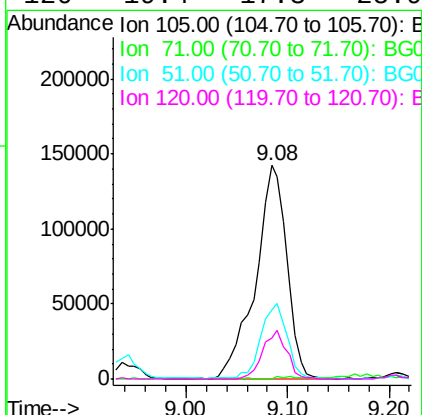
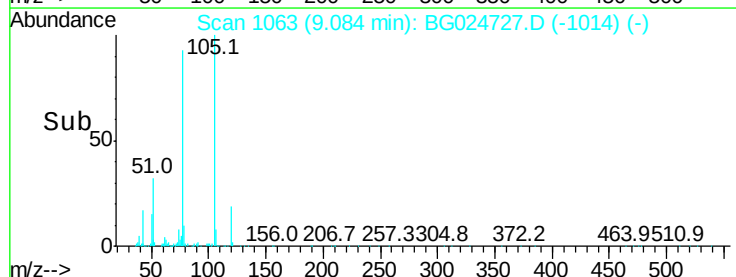
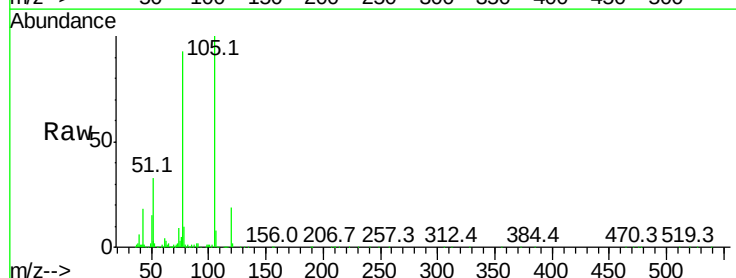
Instrument :
BNA_G
ClientSampleId :

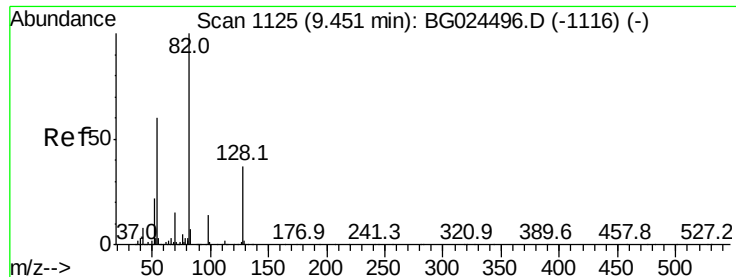
Tot Ion:	136	Resp:	372964
Ion	Ratio	Lower	Upper
136	100		
137	9.7	8.9	13.3
54	11.1	9.3	13.9
68	3.9	5.1	7.7#



#22
Acetophenone
Concen: 31.81 ng
RT: 9.08 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG024727.D
Acq: 7 Nov 2016 13:20

Tgt Ion:	105	Resp:	304749
Ion	Ratio	Lower	Upper
105	100		
71	0.2	0.9	1.3#
51	32.5	34.0	51.0#
120	19.4	17.3	25.9

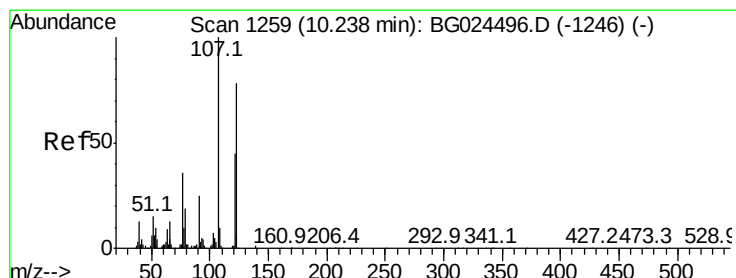
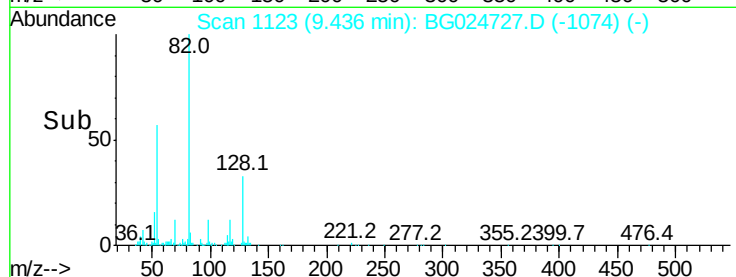
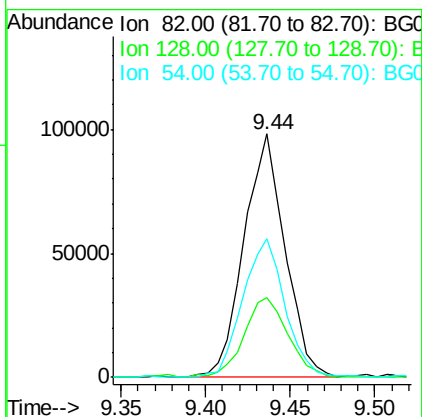
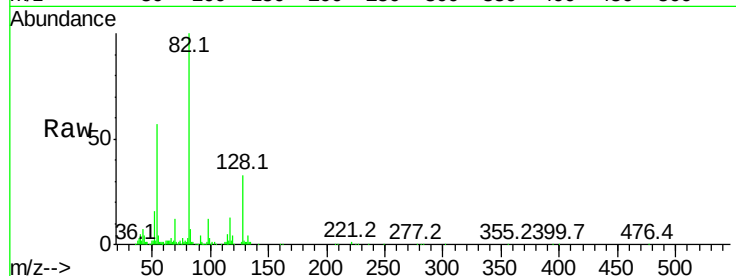




#23
 Nitrobenzene-d5
 Concen: 20.25 ng
 RT: 9.44 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: BG024727.D
 Acq: 7 Nov 2016 13:20

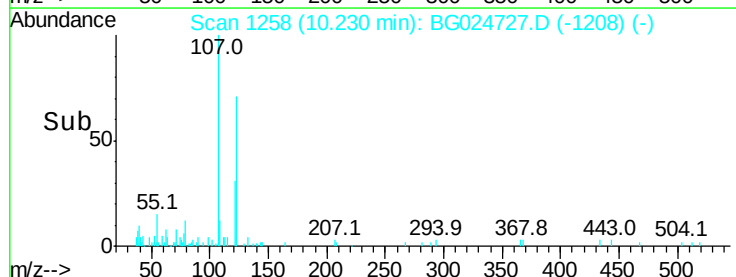
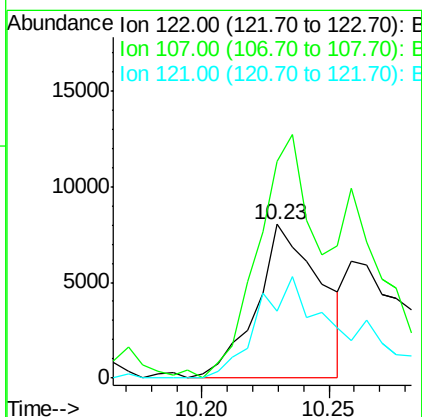
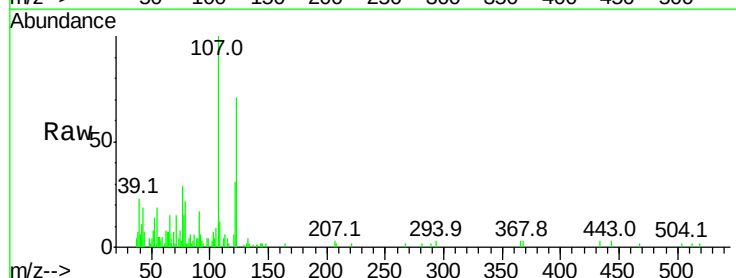
Instrument :
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 ClientSampleId :

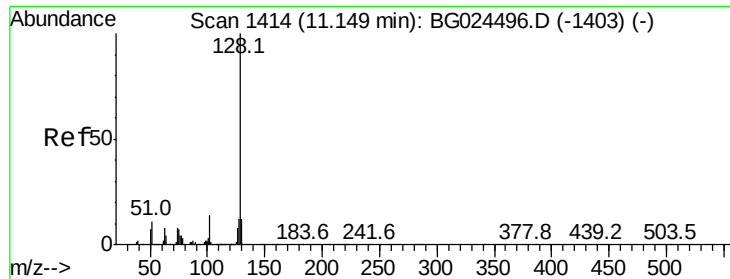
Tot Ion	Ratio	Lower	Upper
82	100		
128	32.7	26.4	39.6
54	56.8	49.4	74.2



#27
 2,4-Dimethylphenol
 Concen: 2.39 ng
 RT: 10.23 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: BG024727.D
 Acq: 7 Nov 2016 13:20

Tgt Ion	Ratio	Lower	Upper
122	100		
107	141.4	104.2	156.4
121	44.0	46.0	69.0

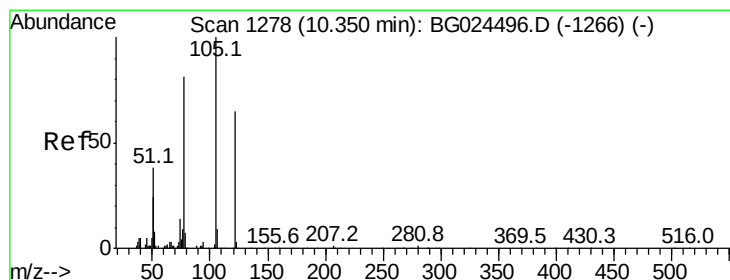
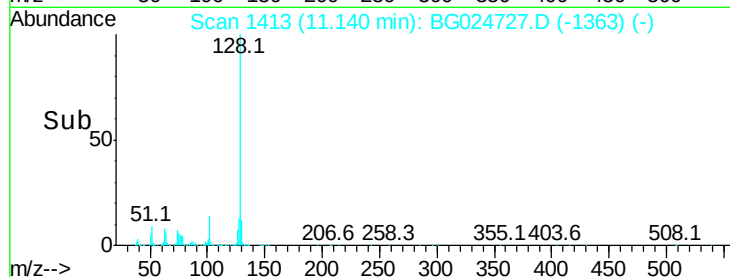
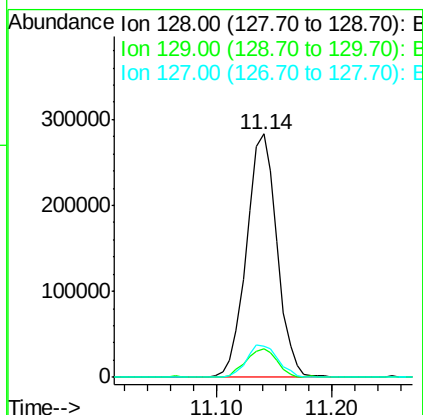
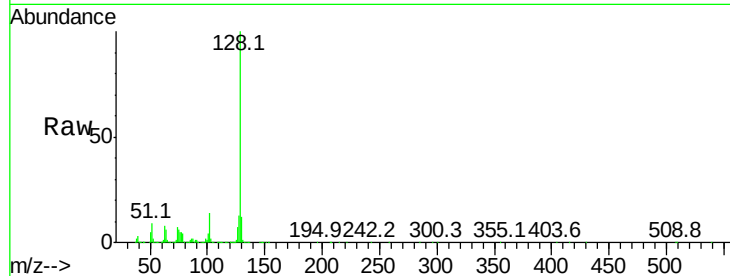




#31
Naphthalene
Concen: 27.98 ng
RT: 11.14 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG024727.D
Acq: 7 Nov 2016 13:20

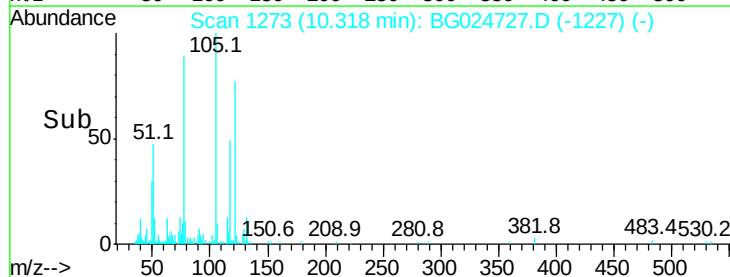
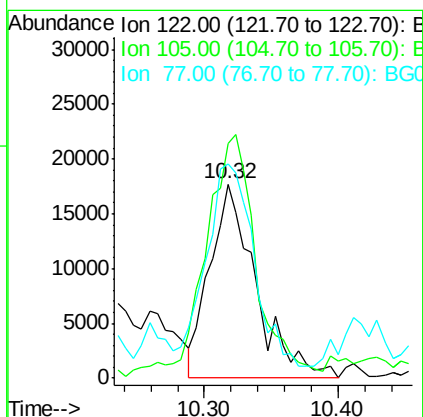
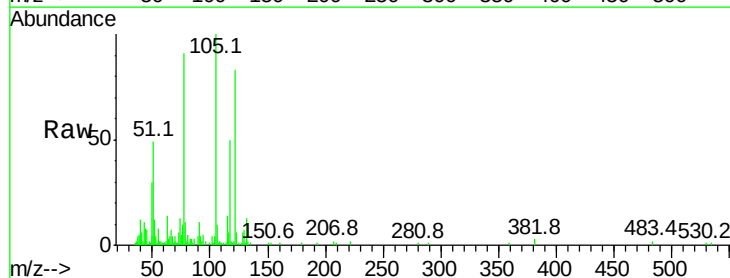
Instrument :
BNA_G
ClientSampleId :

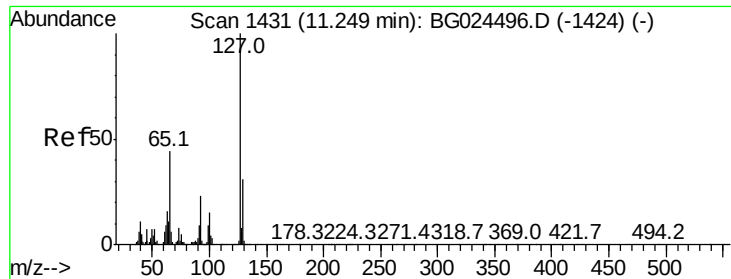
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.3	13.9
127	13.0	11.4	17.0



#32
Benzoic acid
Concen: 8.67 ng
RT: 10.32 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BG024727.D
Acq: 7 Nov 2016 13:20

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.8	120.1	160.1
77	110.0	104.6	144.6

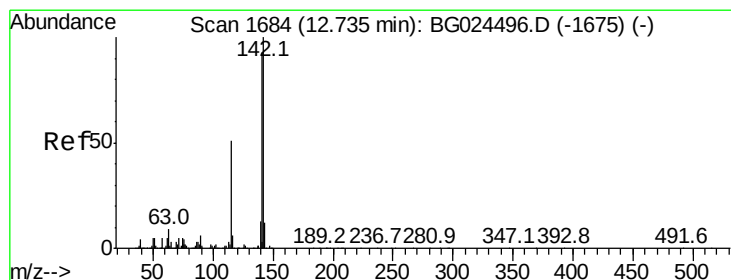
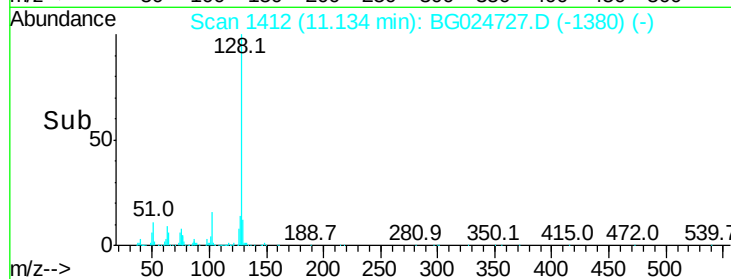
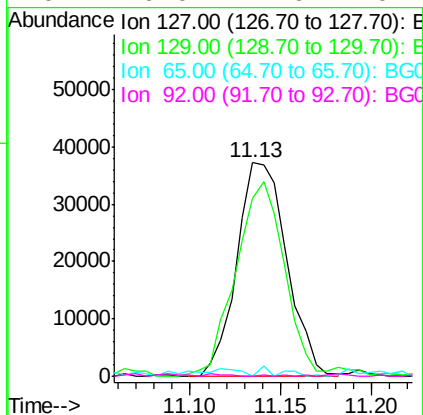
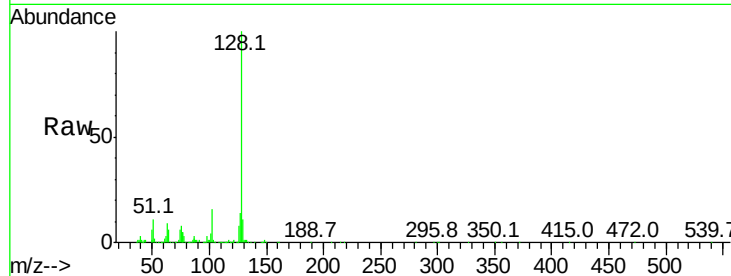




#33
4-Chloroaniline
Concen: 8.85 ng
RT: 11.13 min Scan# 1412
Delta R.T. -0.11 min
Lab File: BG024727.D
Acq: 7 Nov 2016 13:20

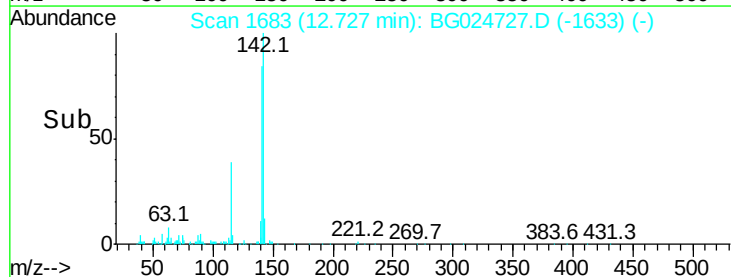
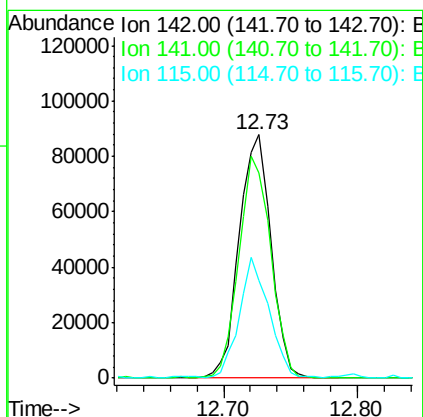
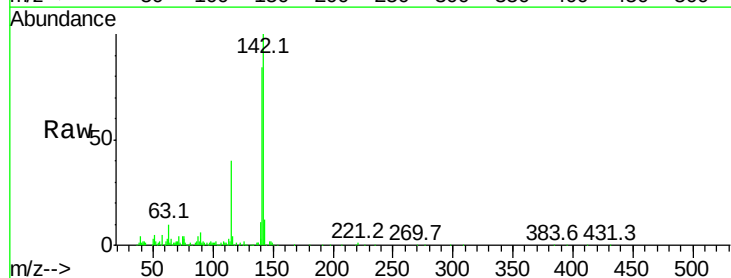
Instrument :
BNA_G
ClientSampleId :

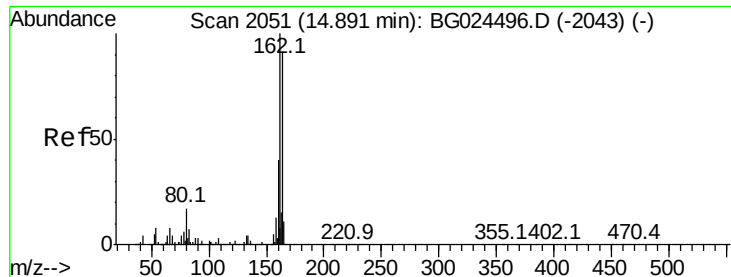
Tot Ion:	127	Resp:	71497
Ion	Ratio	Lower	Upper
127	100		
129	83.1	23.6	35.4#
65	0.0	37.7	56.5#
92	0.0	17.6	26.4#



#37
2-Methylnaphthalene
Concen: 10.65 ng
RT: 12.73 min Scan# 1683
Delta R.T. -0.01 min
Lab File: BG024727.D
Acq: 7 Nov 2016 13:20

Tgt Ion:	142	Resp:	144504
Ion	Ratio	Lower	Upper
142	100		
141	84.3	70.4	105.6
115	39.9	35.5	53.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BG024727.D

Acq: 7 Nov 2016 13:20

Instrument :

BNA_G

ClientSampleId :

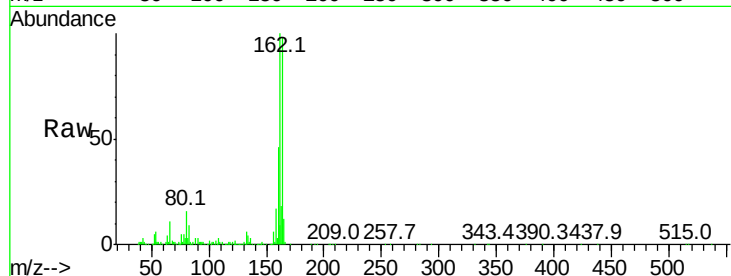
Tot Ion:164 Resp: 298394

Ion Ratio Lower Upper

164 100

162 101.6 85.1 127.7

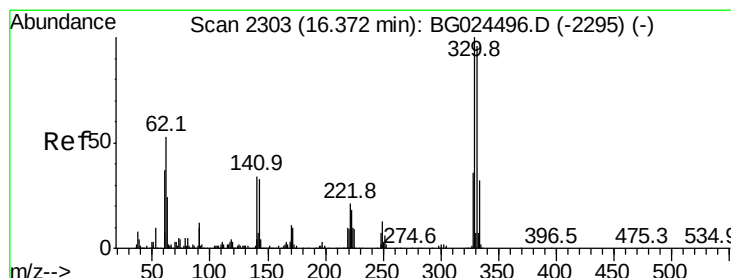
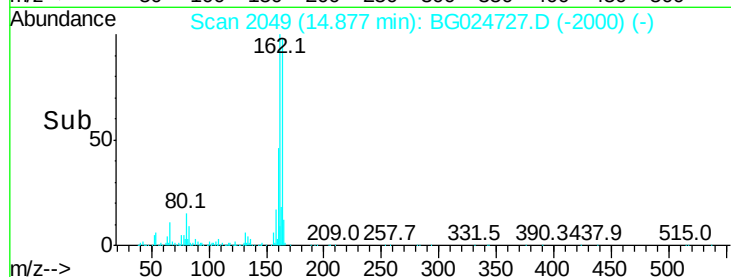
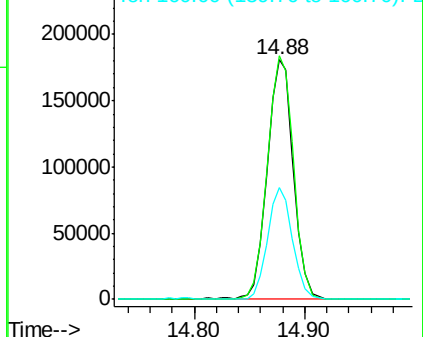
160 46.5 34.7 52.1



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



#41

2,4,6-Tribromophenol

Concen: 35.14 ng

RT: 16.36 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BG024727.D

Acq: 7 Nov 2016 13:20

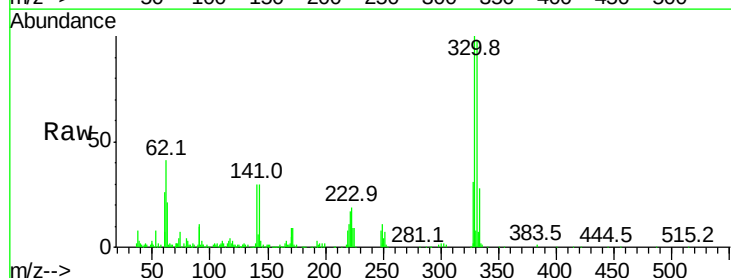
Tgt Ion:330 Resp: 156666

Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

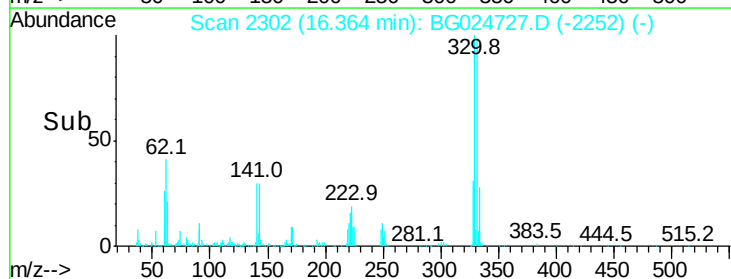
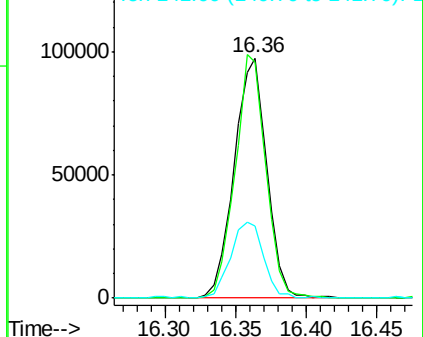
141 32.0 32.1 48.1#

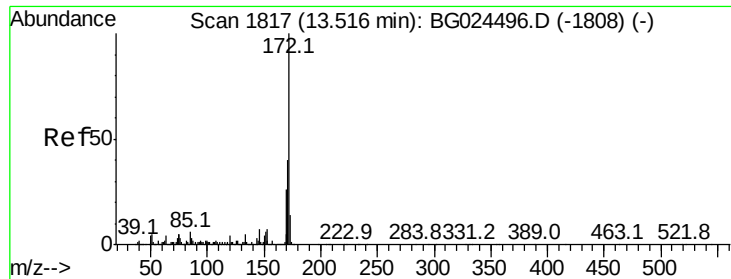


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

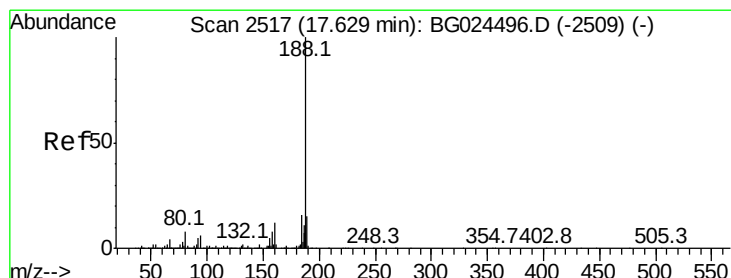
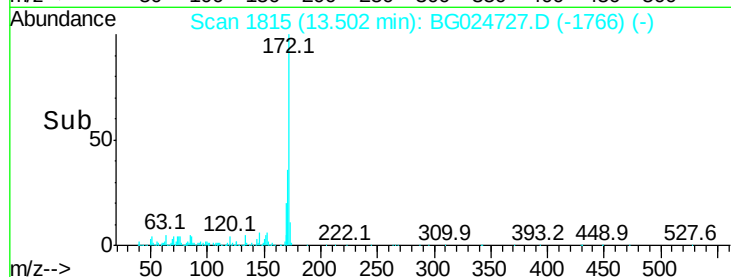
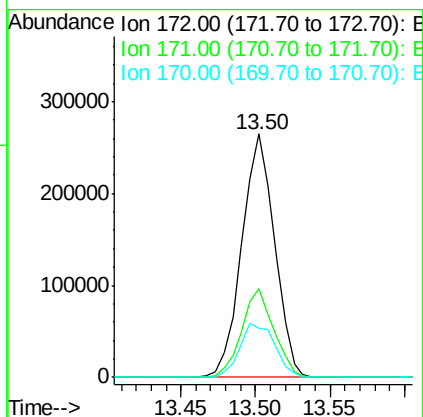
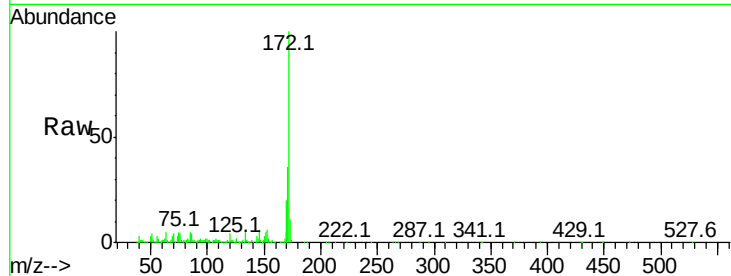




#44
2-Fluorobiphenyl
Concen: 22.36 ng
RT: 13.50 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BG024727.D
Acq: 7 Nov 2016 13:20

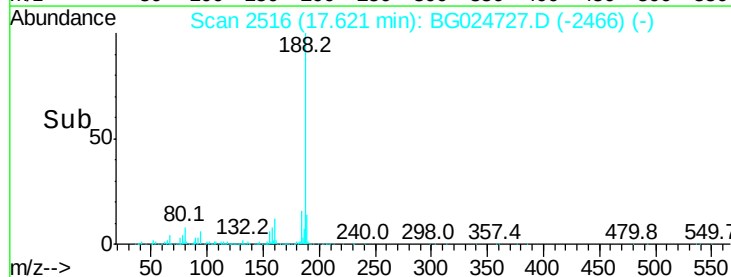
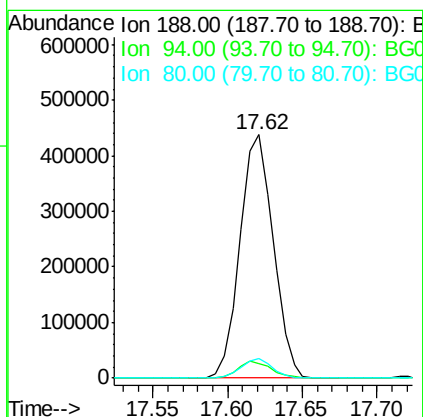
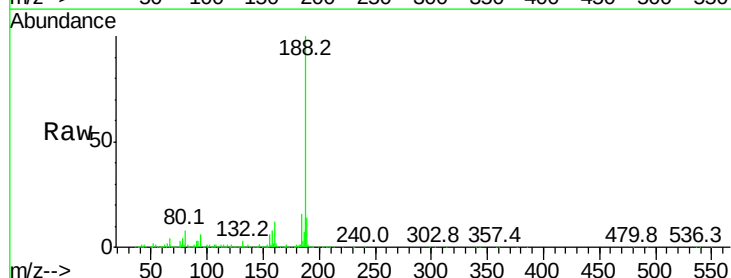
Instrument :
BNA_G
ClientSampleId :

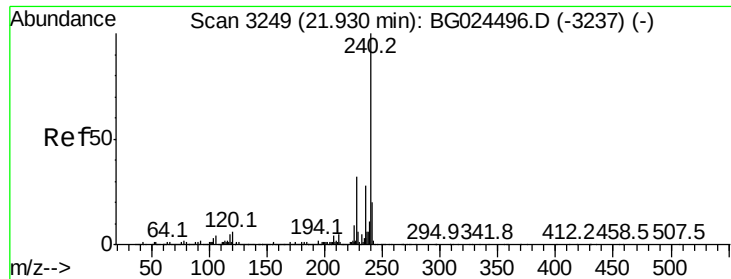
Tot Ion:172 Resp: 401504
Ion Ratio Lower Upper
172 100
171 36.5 32.2 48.2
170 20.3 21.8 32.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.62 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BG024727.D
Acq: 7 Nov 2016 13:20

Tgt Ion:188 Resp: 677284
Ion Ratio Lower Upper
188 100
94 5.9 5.8 8.8
80 8.2 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.91 min Scan# 3246

Delta R.T. -0.02 min

Lab File: BG024727.D

Acq: 7 Nov 2016 13:20

Instrument :

BNA_G

ClientSampleId :

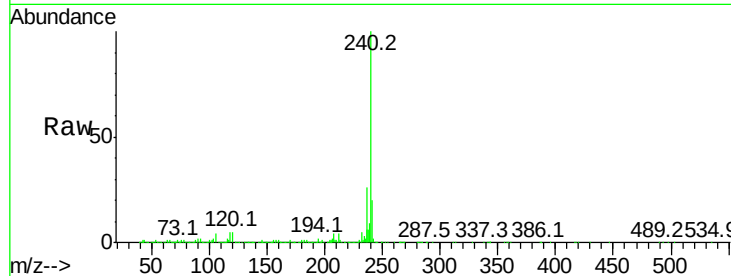
Tot Ion:240 Resp: 974260

Ion Ratio Lower Upper

240 100

120 4.6 5.7 8.5#

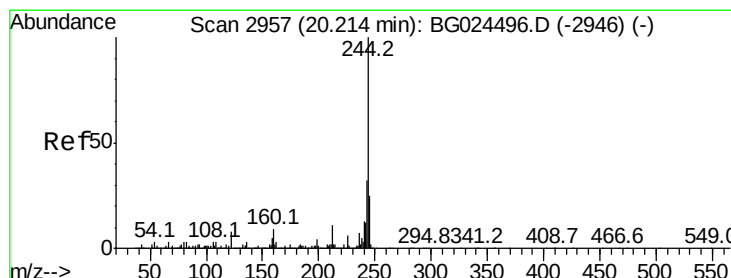
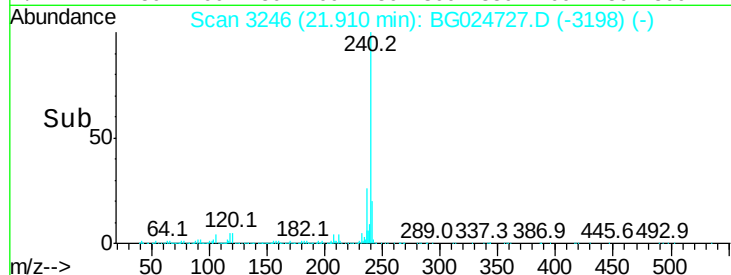
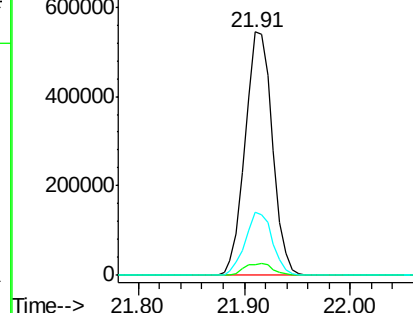
236 26.0 22.2 33.4



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: 24.05 ng

RT: 20.20 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BG024727.D

Acq: 7 Nov 2016 13:20

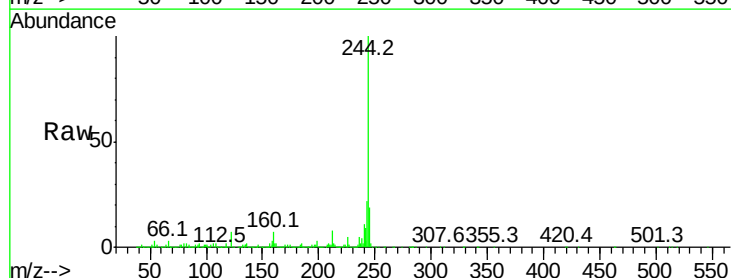
Tgt Ion:244 Resp: 784106

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

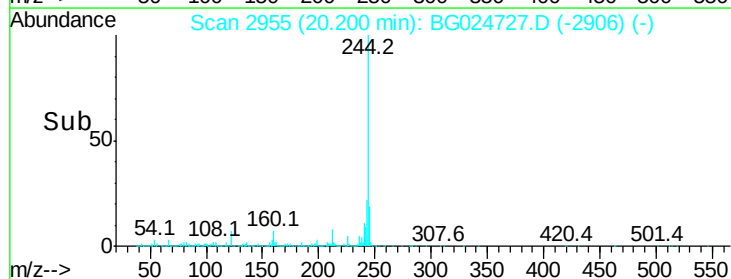
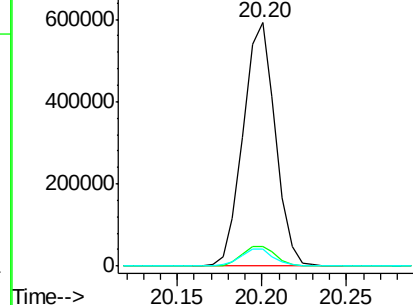
122 6.8 8.6 12.8#

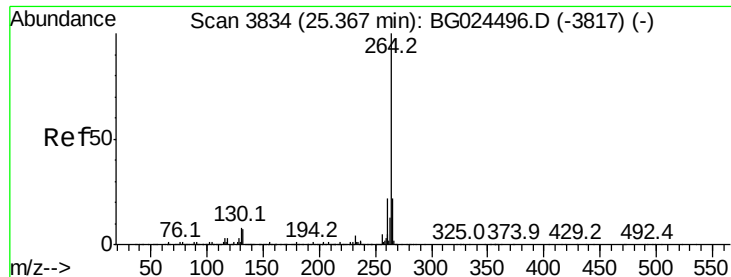


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



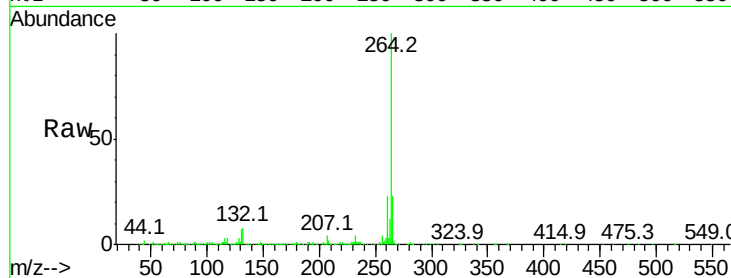


#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.34 min Scan# 3830
 Delta R.T. -0.03 min
 Lab File: BG024727.D
 Acq: 7 Nov 2016 13:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 1008223

Ion	Ratio	Lower	Upper
264	100		
260	23.3	21.8	32.8
265	22.7	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

