

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032791.D
 Acq On : 23 Feb 2018 15:48
 Operator : SJ/JU
 Sample : J1398-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-022218

Quant Time: Feb 23 17:11:42 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

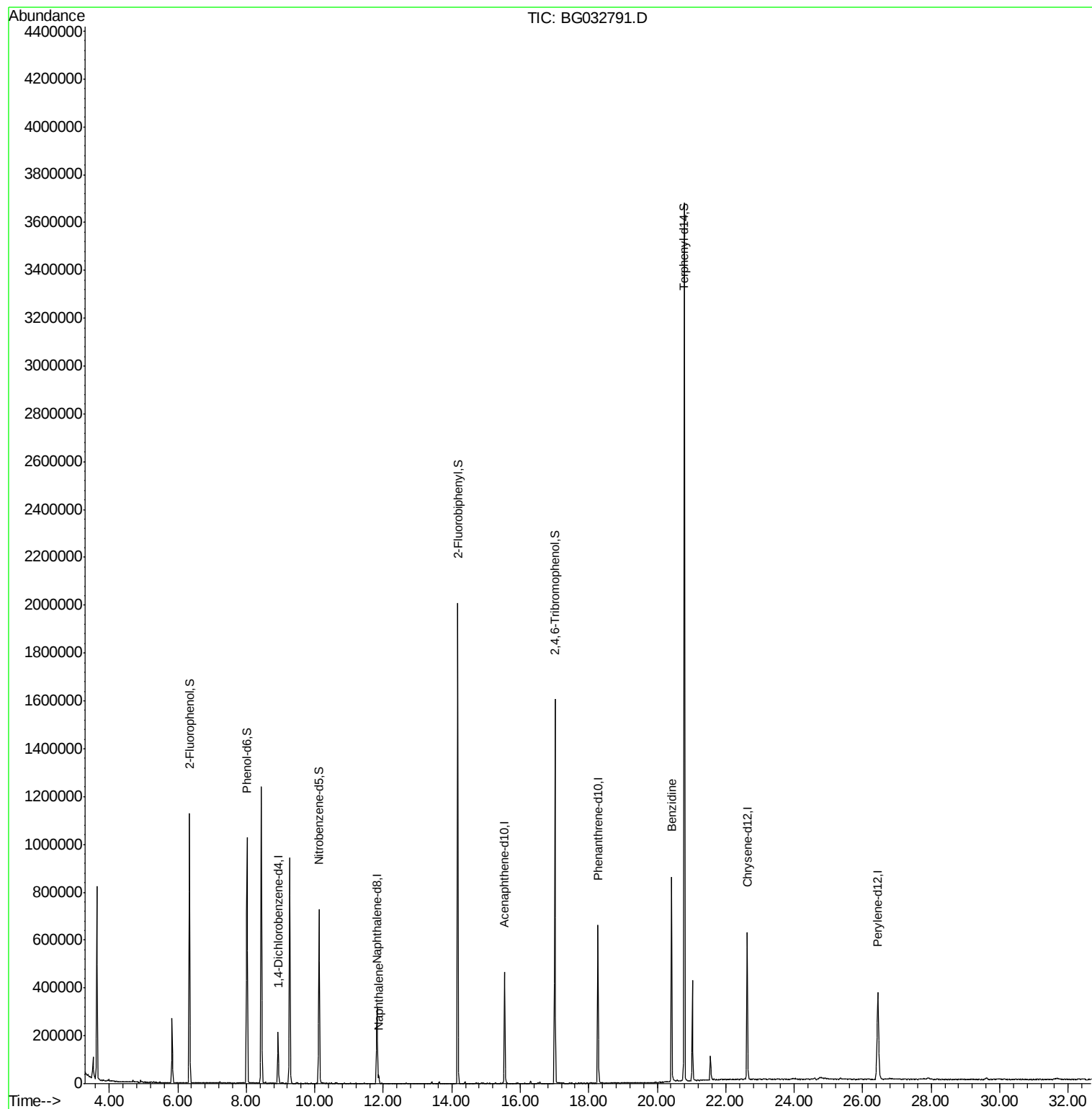
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	65028	20.00	ng	0.00
21) Naphthalene-d8	11.82	136	289448	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	163685	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	396741	20.00	ng	0.00
75) Chrysene-d12	22.63	240	398405	20.00	ng	0.00
86) Perylene-d12	26.44	264	429242	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	557301	137.11	ng	0.00
7) Phenol-d6	8.02	99	668367	117.97	ng	0.00
23) Nitrobenzene-d5	10.12	82	461764	107.71	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	285548	165.91	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1035911	91.28	ng	0.00
78) Terphenyl-d14	20.79	244	1647573	92.91	ng	0.00
Target Compounds						
31) Naphthalene	11.87	128	32547	2.15	ng	98
76) Benzidine	20.42	184	500933	36.89	ng	98

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

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Quant Time: Feb 23 17:11:42 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 17:04:54 2018
Response via : Initial Calibration



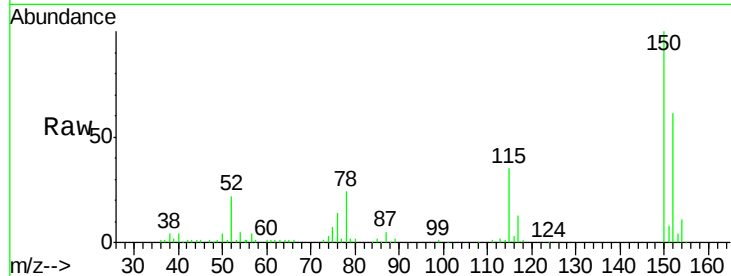


#1

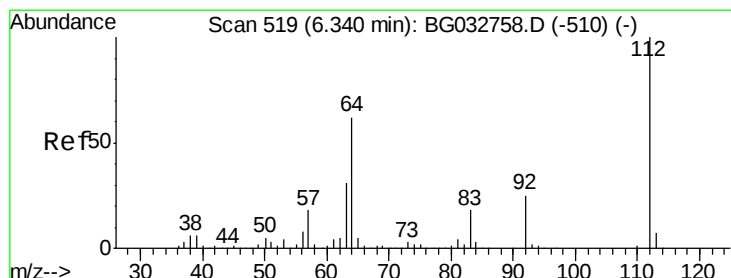
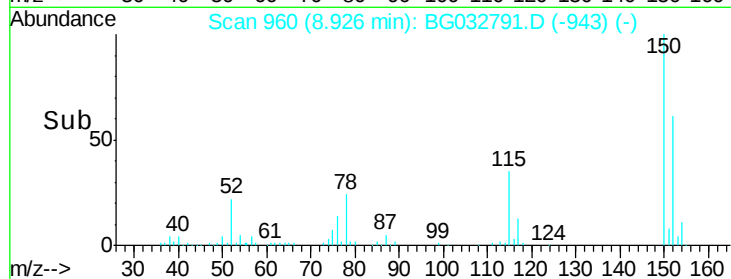
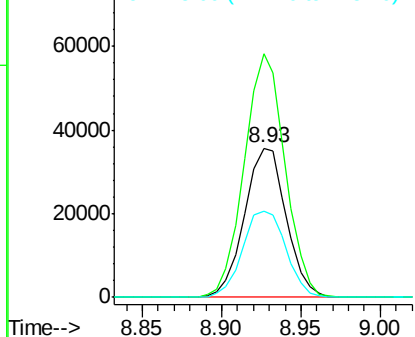
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG032791.D
Acq: 23 Feb 2018 15:48

Instrument :
BNA_G
ClientSampleId :
OK-01-022218

Tot Ion:152 Resp: 65028
Ion Ratio Lower Upper
152 100
150 162.9 126.6 189.8
115 57.5 53.0 79.4



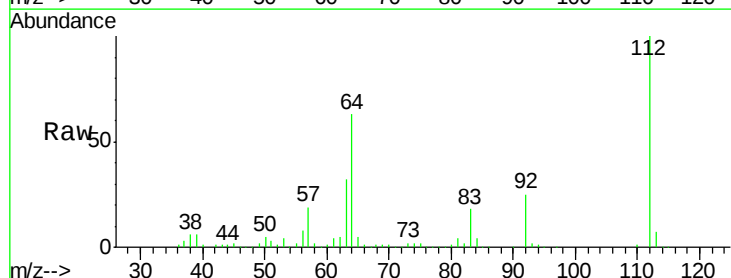
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



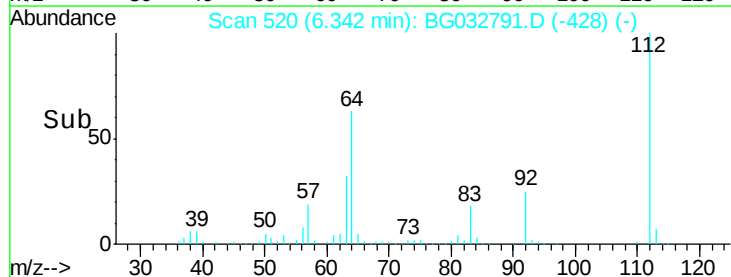
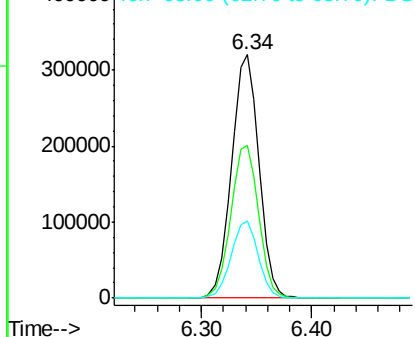
#5

2-Fluorophenol
Concen: 137.11 ng
RT: 6.34 min Scan# 520
Delta R.T. 0.01 min
Lab File: BG032791.D
Acq: 23 Feb 2018 15:48

Tgt Ion:112 Resp: 557301
Ion Ratio Lower Upper
112 100
64 62.8 56.3 84.5
63 31.8 30.1 45.1



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: 117.97 ng

RT: 8.02 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Instrument :

BNA_G

ClientSampleId :

OK-01-022218

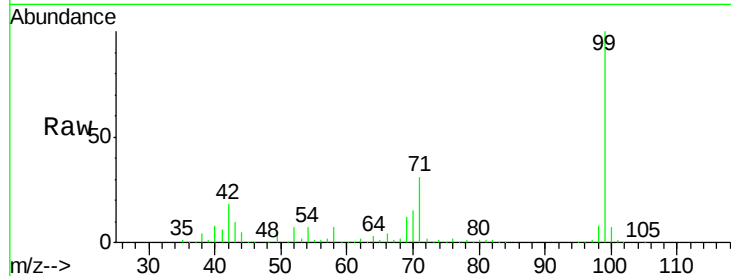
Tot Ion: 99 Resp: 668367

Ion Ratio Lower Upper

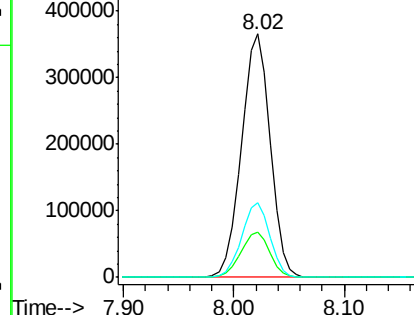
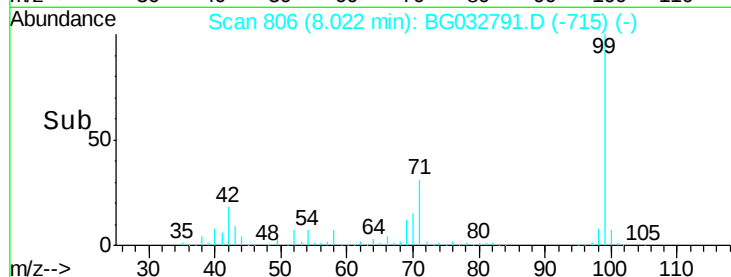
99 100

42 18.5 14.1 21.1

71 30.8 26.1 39.1



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: 11.82 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Tgt Ion: 136 Resp: 289448

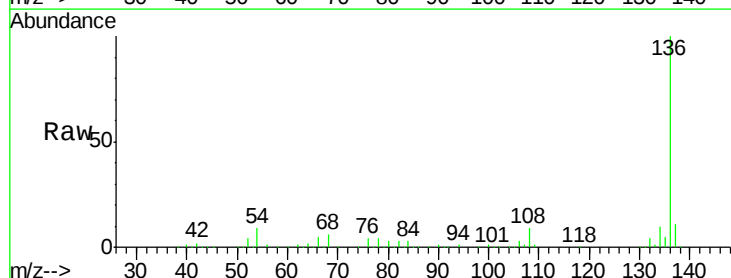
Ion Ratio Lower Upper

136 100

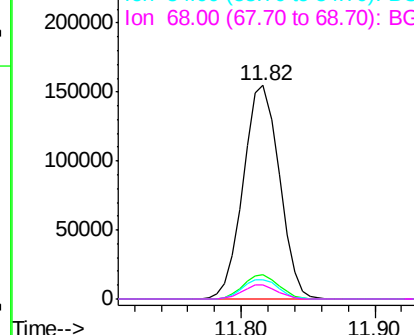
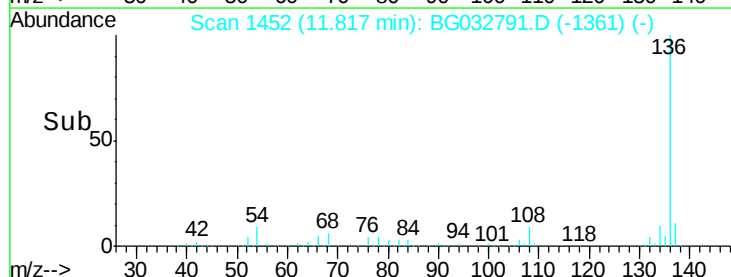
137 11.1 9.2 13.8

54 8.8 10.3 15.5#

68 6.3 4.5 6.7



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

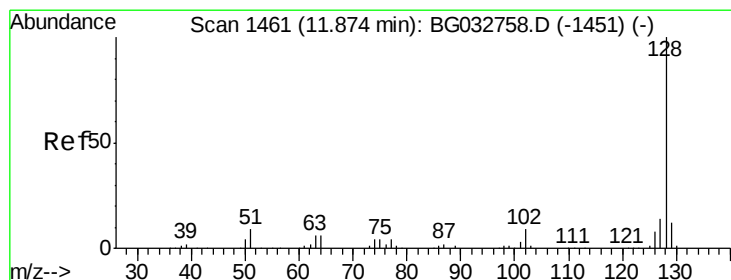
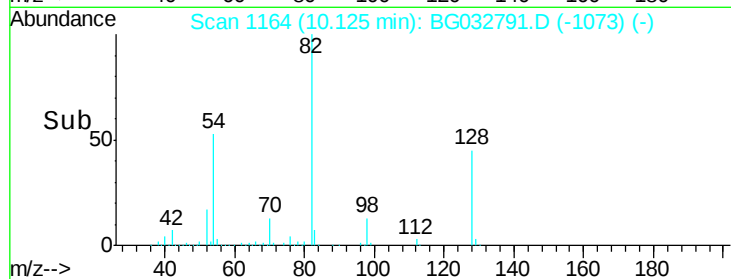
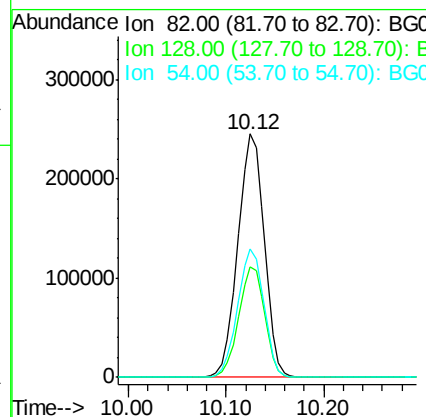
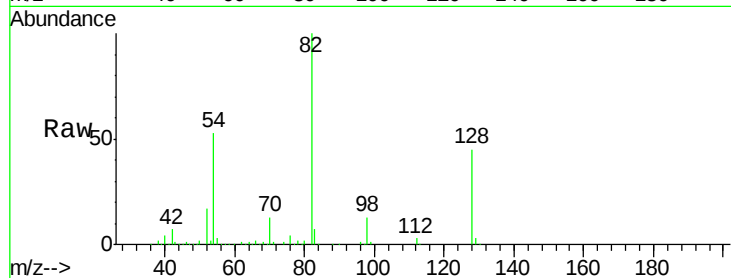




#23
 Nitrobenzene-d5
 Concen: 107.71 ng
 RT: 10.12 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BG032791.D
 Acq: 23 Feb 2018 15:48

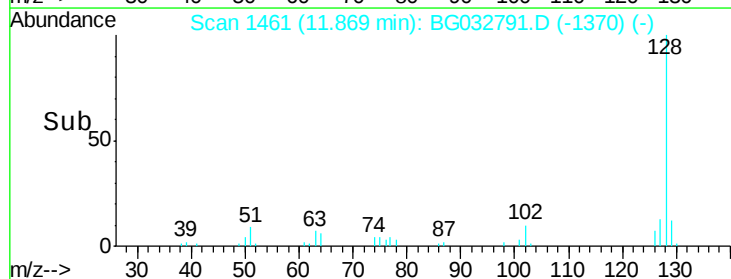
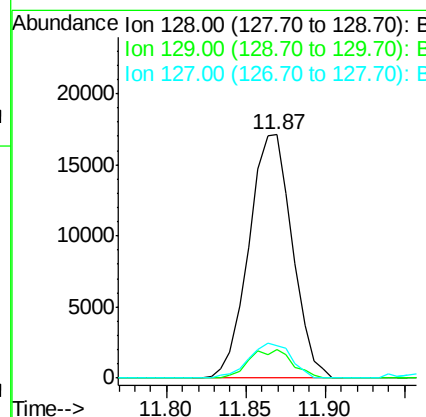
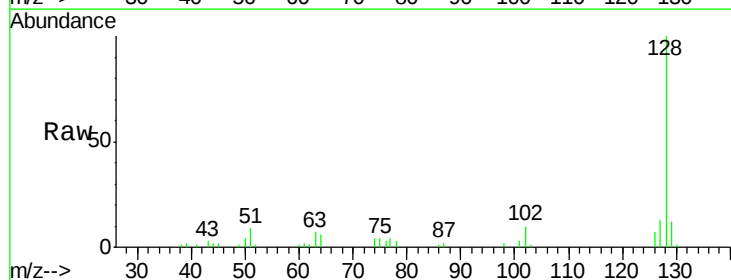
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-022218

Tot Ion	82	Resp	461764
Ion Ratio	Lower	Upper	
82	100		
128	45.4	29.7	44.5#
54	52.6	43.1	64.7



#31
 Naphthalene
 Concen: 2.15 ng
 RT: 11.87 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BG032791.D
 Acq: 23 Feb 2018 15:48

Tgt Ion	128	Resp	32547
Ion Ratio	Lower	Upper	
128	100		
129	11.5	8.6	12.8
127	13.4	11.6	17.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Instrument :

BNA_G

ClientSampleId :

OK-01-022218

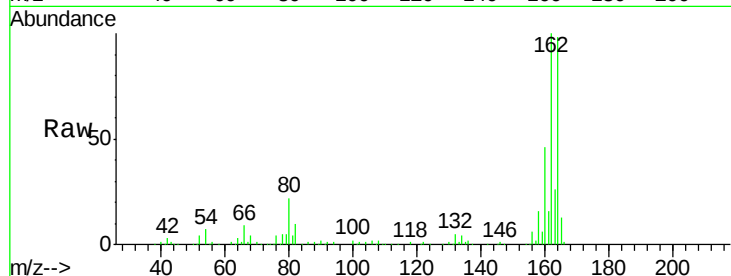
Tot Ion:164 Resp: 163685

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

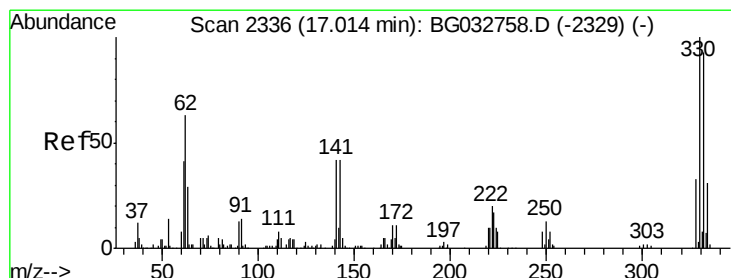
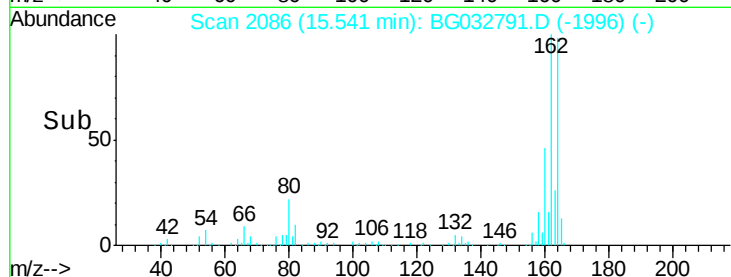
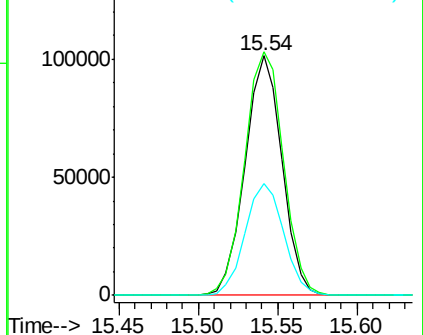
160 46.8 35.4 53.0



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: 165.91 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

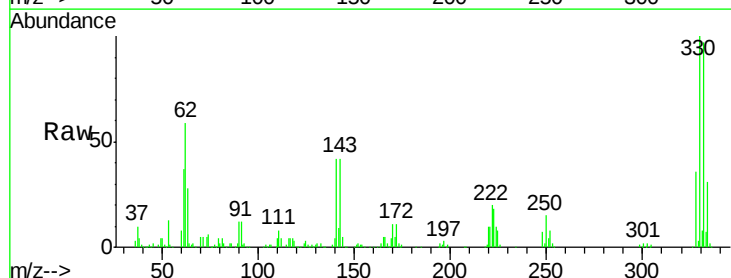
Tgt Ion:330 Resp: 285548

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

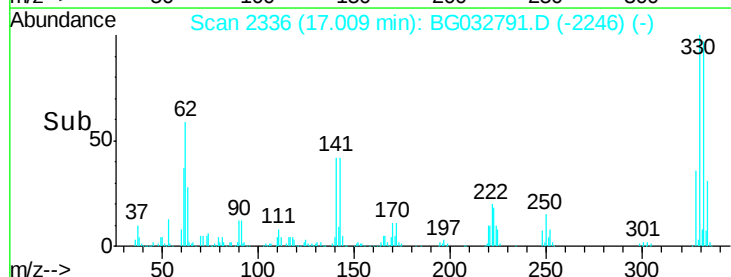
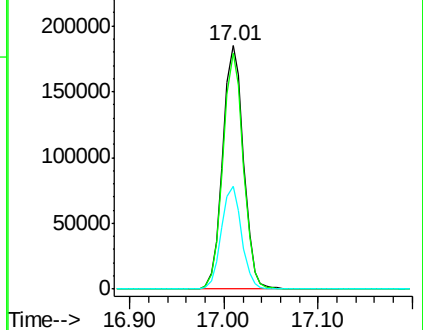
141 41.2 25.2 37.8#

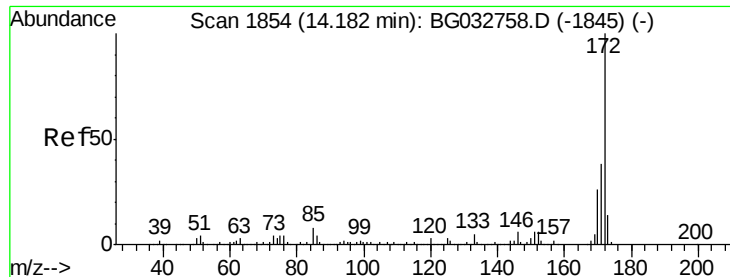


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

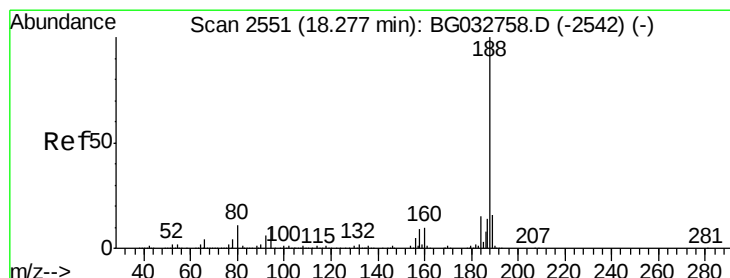
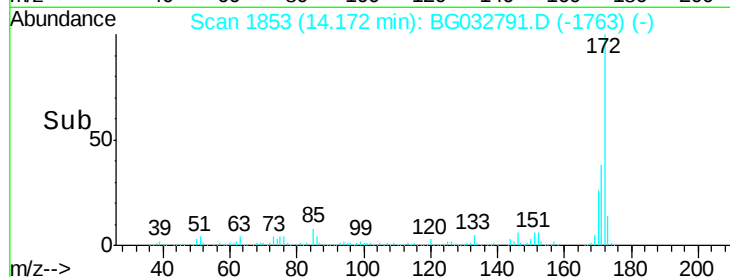
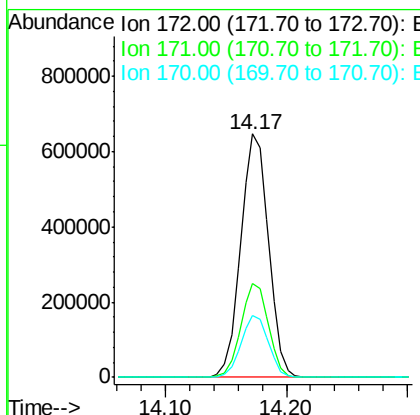
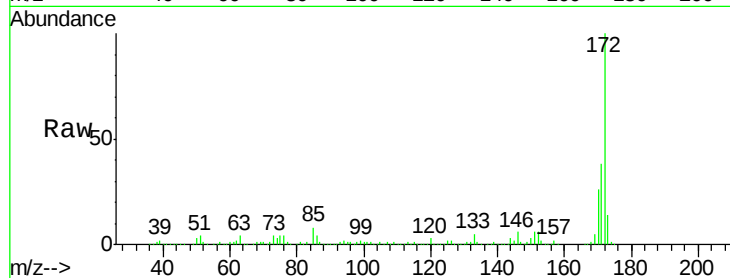




#44
2-Fluorobiphenyl
Concen: 91.28 ng
RT: 14.17 min Scan# 1853
Delta R.T. -0.00 min
Lab File: BG032791.D
Acq: 23 Feb 2018 15:48

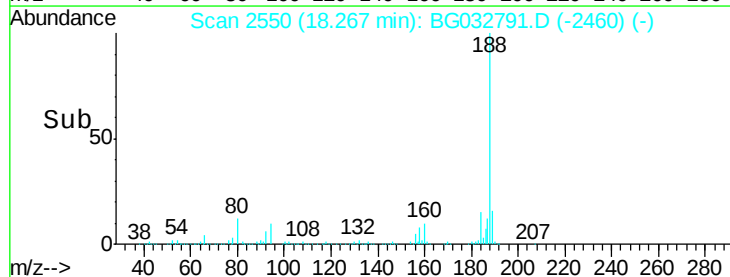
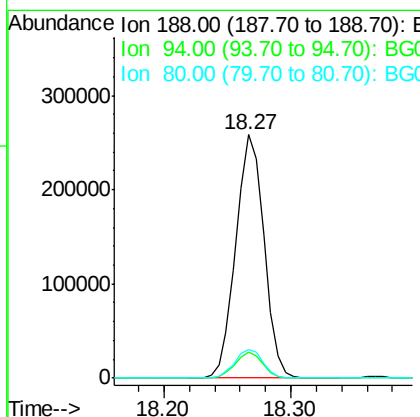
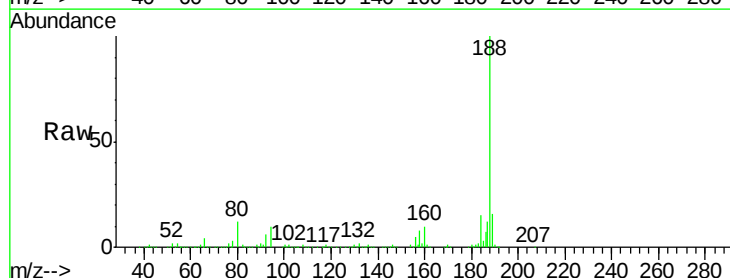
Instrument :
BNA_G
ClientSampleId :
OK-01-022218

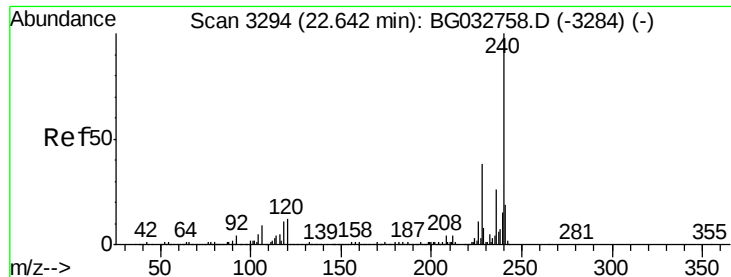
Tot Ion:172 Resp: 1035911
Ion Ratio Lower Upper
172 100
171 38.5 30.0 45.0
170 25.6 19.5 29.3



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.27 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BG032791.D
Acq: 23 Feb 2018 15:48

Tgt Ion:188 Resp: 396741
Ion Ratio Lower Upper
188 100
94 10.4 6.9 10.3#
80 11.9 7.7 11.5#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.63 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

Instrument :

BNA_G

ClientSampleId :

OK-01-022218

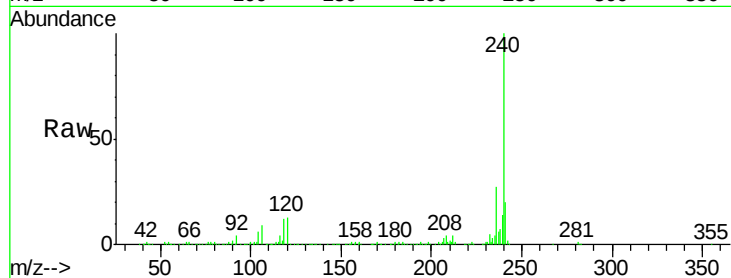
Tot Ion:240 Resp: 398405

Ion Ratio Lower Upper

240 100

120 12.6 6.8 10.2#

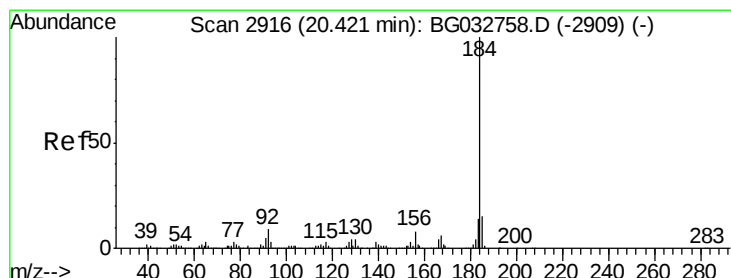
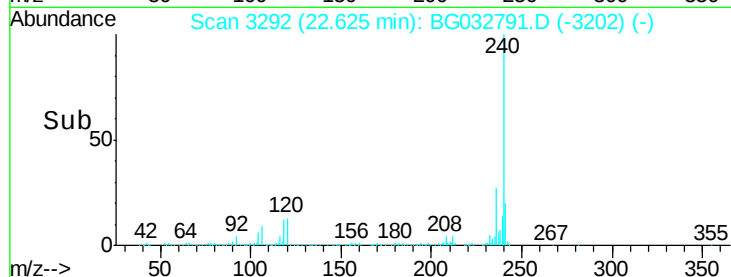
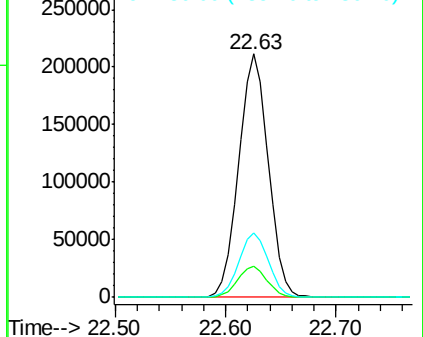
236 26.7 20.9 31.3



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



#76

Benzidine

Concen: 36.89 ng

RT: 20.42 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

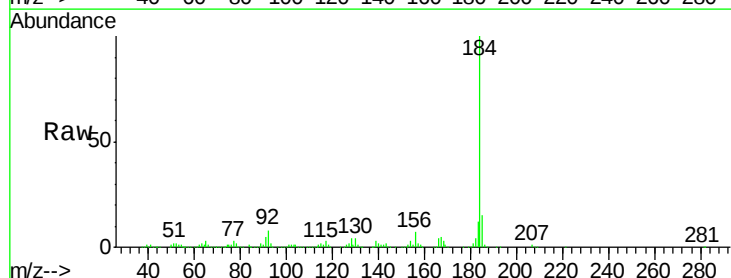
Tgt Ion:184 Resp: 500933

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

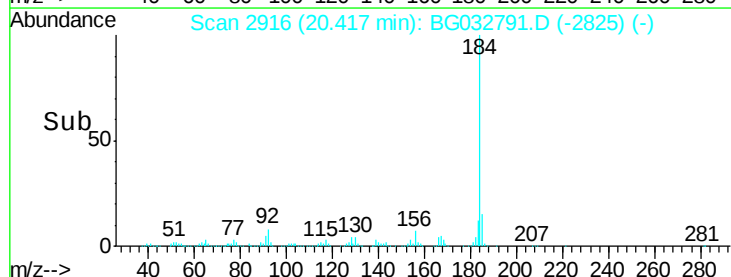
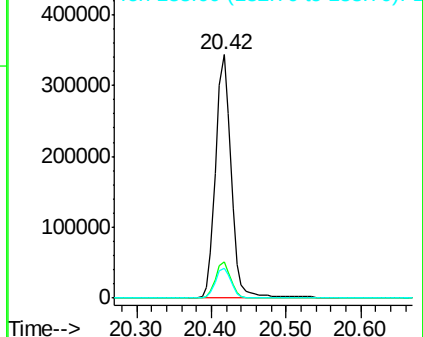
183 12.5 10.6 16.0

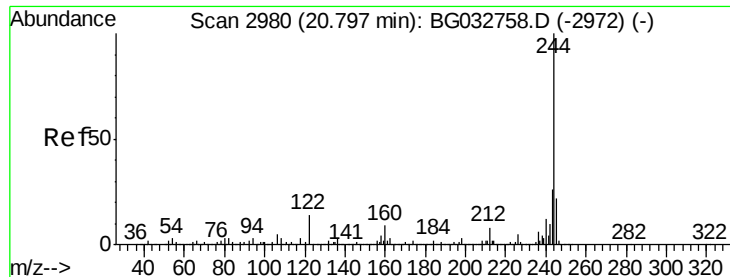


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.91 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

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BNA_G

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OK-01-022218

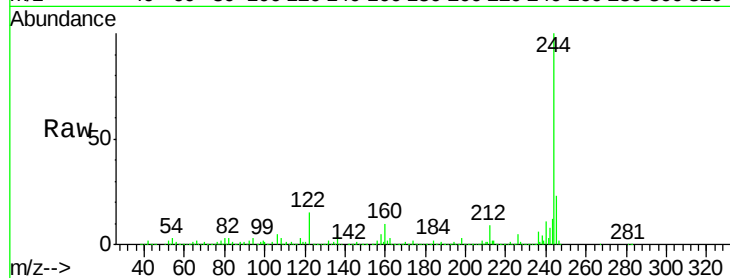
Tot Ion:244 Resp: 1647573

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

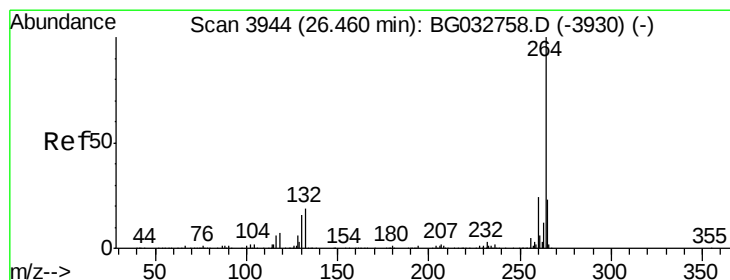
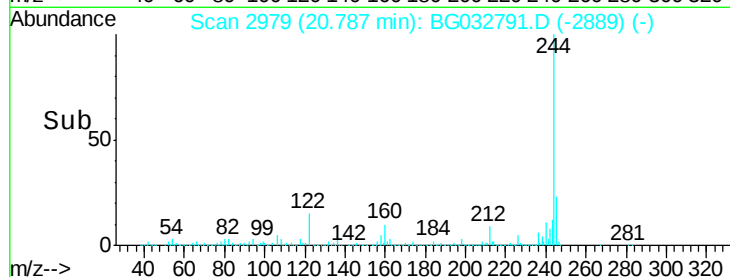
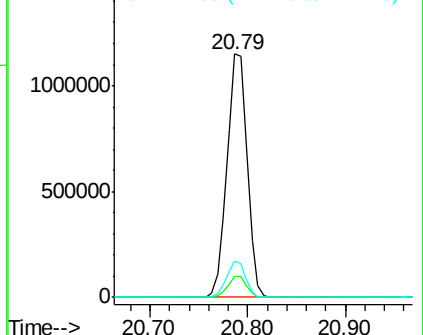
122 15.1 7.0 10.4#



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: 26.44 min Scan# 3941

Delta R.T. -0.01 min

Lab File: BG032791.D

Acq: 23 Feb 2018 15:48

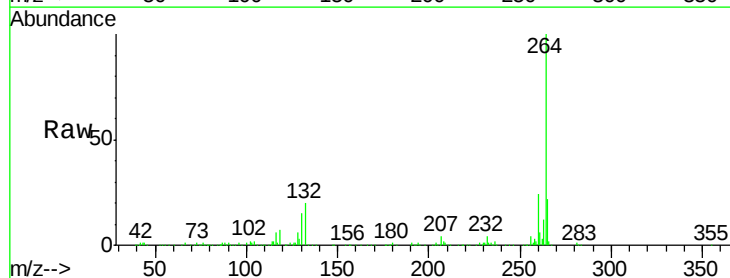
Tgt Ion:264 Resp: 429242

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 21.6 17.7 26.5



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

