

Data Path : Z:\HPCHEM1\BNA G\Data\BG060617\
 Data File : BG027284.D
 Acq On : 7 Jun 2017 15:22
 Operator : SJ/MA
 Sample : I3482-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 07 16:34:27 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

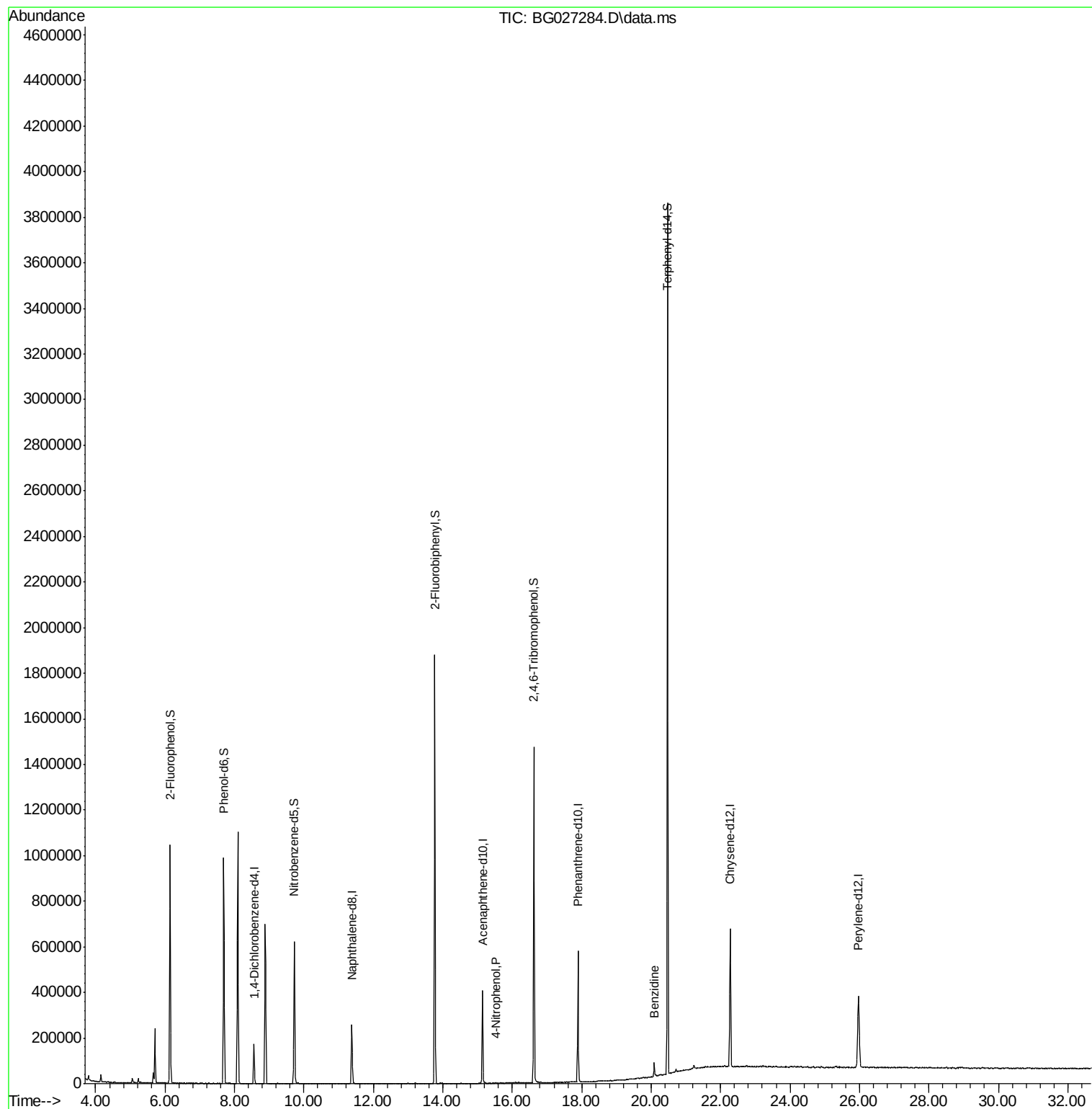
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.562	152	51074	20.00	ng	-0.02
21) Naphthalene-d8	11.382	136	234251	20.00	ng	-0.02
38) Acenaphthene-d10	15.142	164	146808	20.00	ng	-0.02
63) Phenanthrene-d10	17.892	188	366057	20.00	ng	-0.02
75) Chrysene-d12	22.275	240	427903	20.00	ng	-0.03
86) Perylene-d12	25.971	264	390576	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	6.147	112	502487	150.13	ng	-0.01
7) Phenol-d6	7.692	99	652849	132.88	ng	-0.01
23) Nitrobenzene-d5	9.725	82	412001	110.61	ng	-0.02
41) 2,4,6-Tribromophenol	16.623	330	299771	155.06	ng	-0.02
44) 2-Fluorobiphenyl	13.767	172	1004250	95.70	ng	-0.02
78) Terphenyl-d14	20.471	244	1720382	102.56	ng	-0.02
Target Compounds						
55) 4-Nitrophenol	15.530	139	401	6.29	ng	Qvalue # 1
76) Benzidine	20.089	184	36432	2.83	ng	98

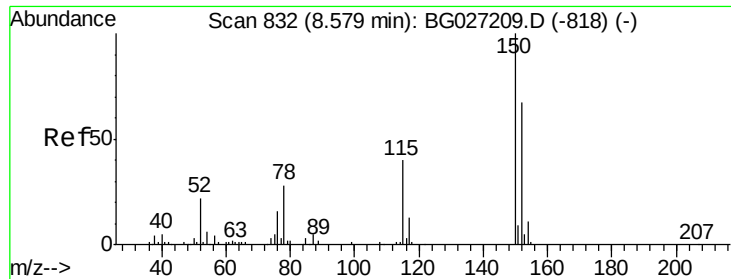
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.562 min Scan# 82

Delta R.T. -0.017 min

Lab File: BG027284.D

Acq: 7 Jun 2017 15:22

Instrument :

BNA_G

ClientSampleId :

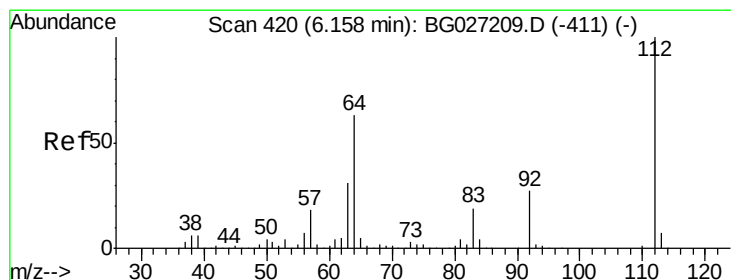
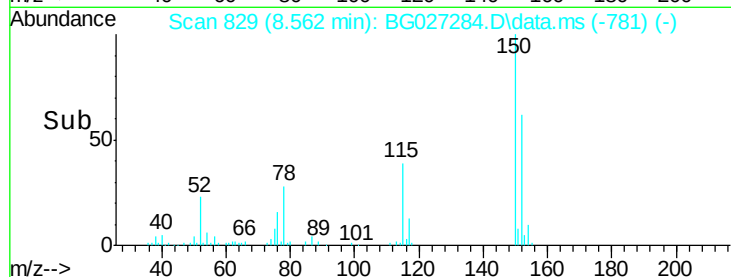
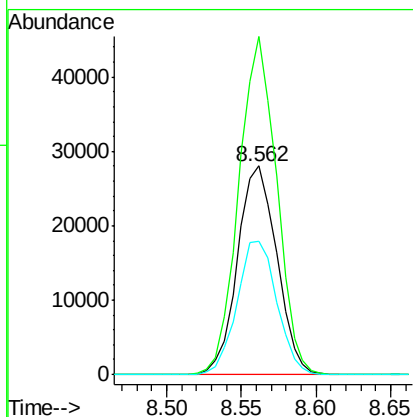
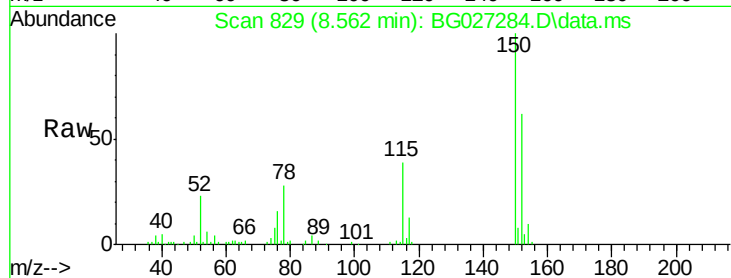
Tot Ion:152 Resp: 51074

Ion Ratio Lower Upper

152 100

150 162.1 114.0 171.0

115 63.8 48.1 72.1



#5

2-Fluorophenol

Concen: 150.13 ng

RT: 6.147 min Scan# 418

Delta R.T. -0.011 min

Lab File: BG027284.D

Acq: 7 Jun 2017 15:22

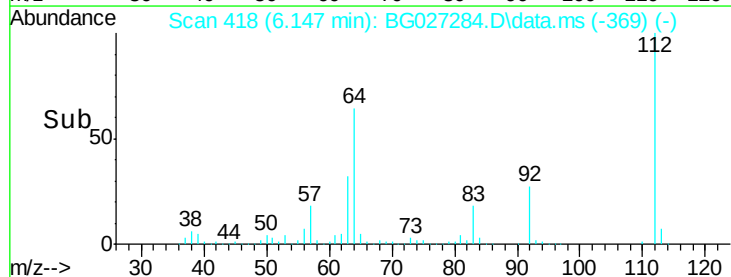
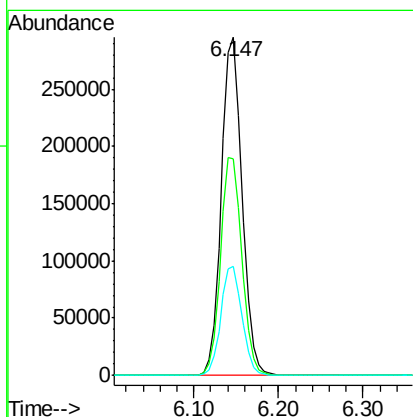
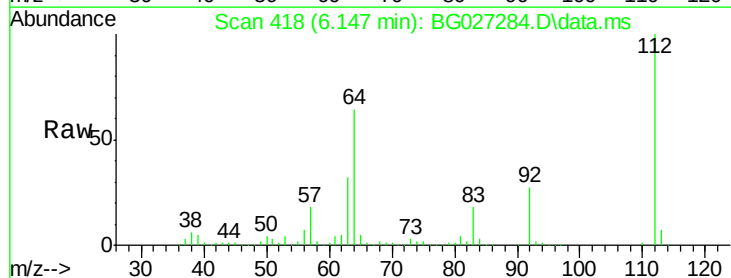
Tgt Ion:112 Resp: 502487

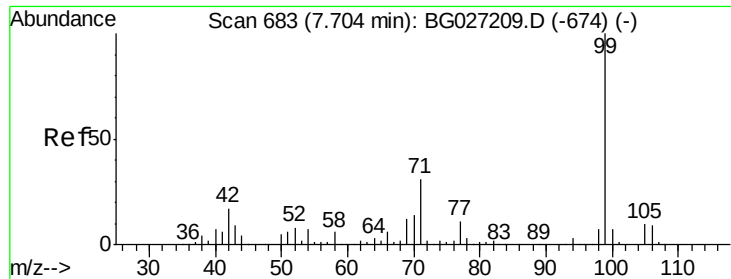
Ion Ratio Lower Upper

112 100

64 63.9 61.8 92.6

63 32.3 37.2 55.8#





#7

Phenol-d6

Concen: 132.88 ng

RT: 7.692 min Scan# 681

Delta R.T. -0.011 min

Lab File: BG027284.D

Acq: 7 Jun 2017 15:22

Instrument :

BNA_G

ClientSampleId :

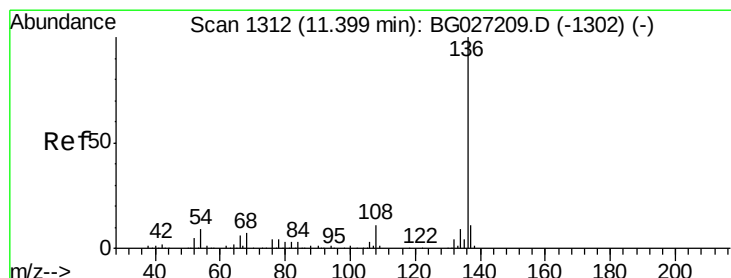
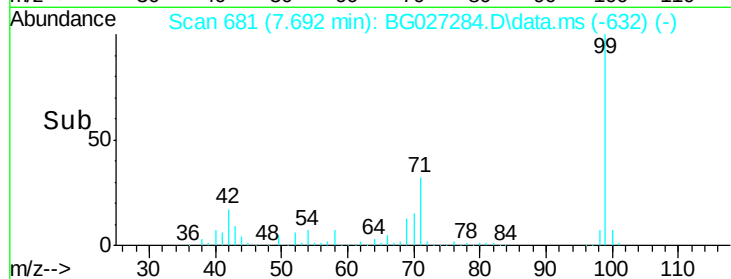
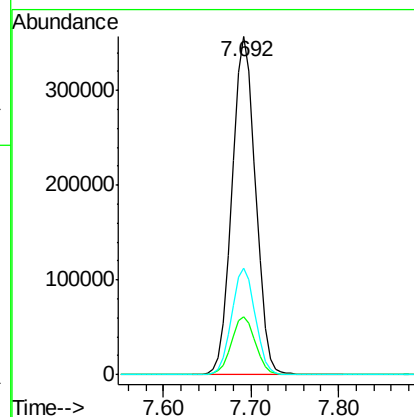
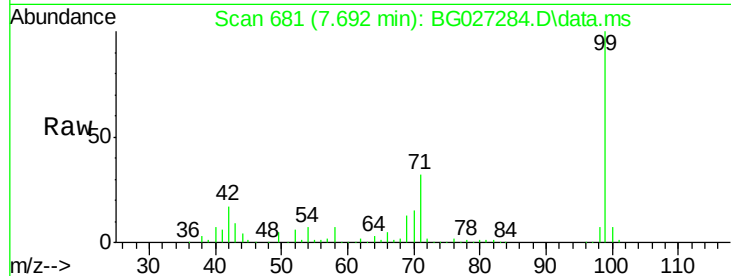
Tot Ion: 99 Resp: 652849

Ion Ratio Lower Upper

99 100

42 17.2 20.5 30.7#

71 31.7 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.382 min Scan# 1309

Delta R.T. -0.017 min

Lab File: BG027284.D

Acq: 7 Jun 2017 15:22

Tgt Ion: 136 Resp: 234251

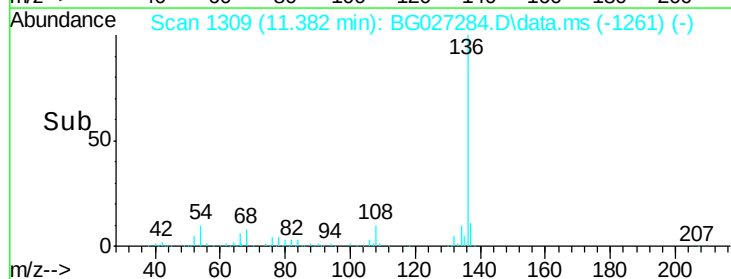
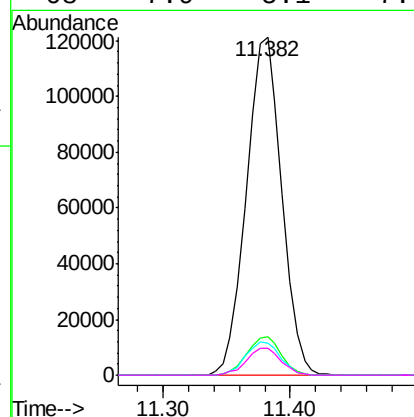
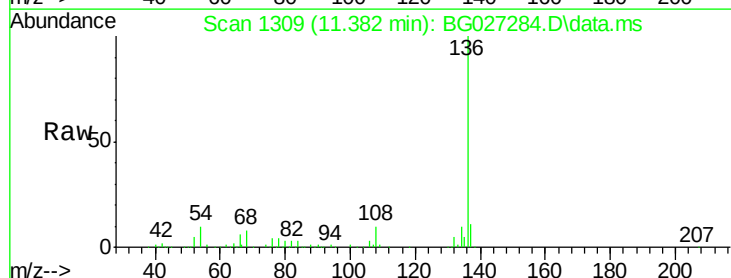
Ion Ratio Lower Upper

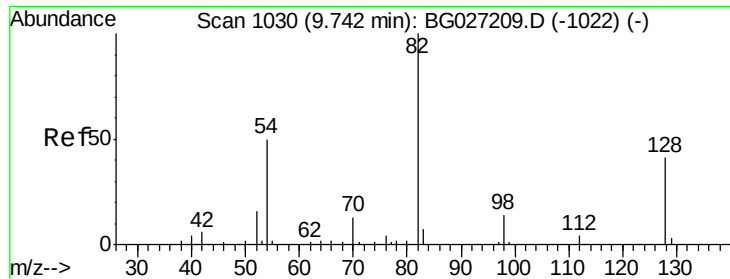
136 100

137 11.3 8.9 13.3

54 9.5 9.3 13.9

68 7.9 5.1 7.7#

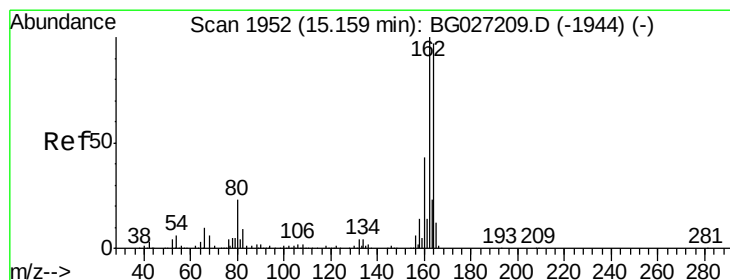
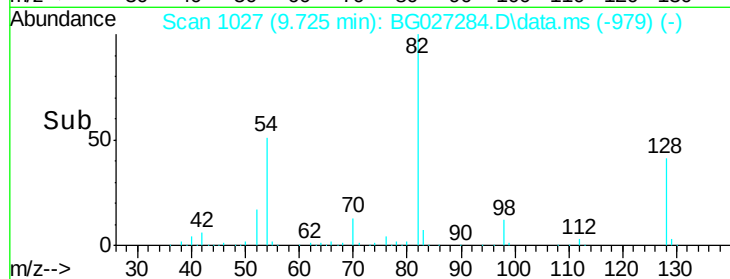
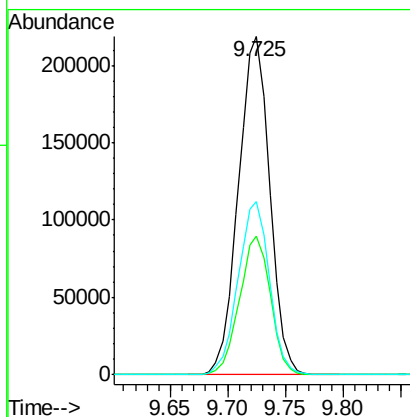
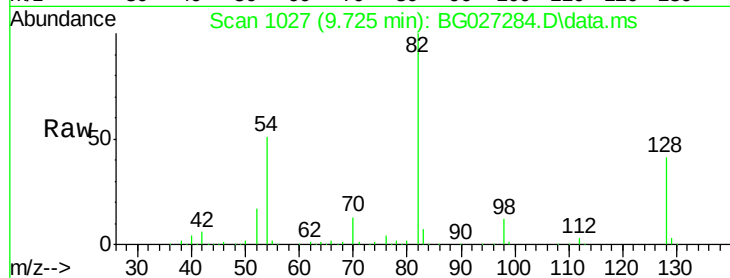




#23
 Nitrobenzene-d5
 Concen: 110.61 ng
 RT: 9.725 min Scan# 10
 Delta R.T. -0.017 min
 Lab File: BG027284.D
 Acq: 7 Jun 2017 15:22

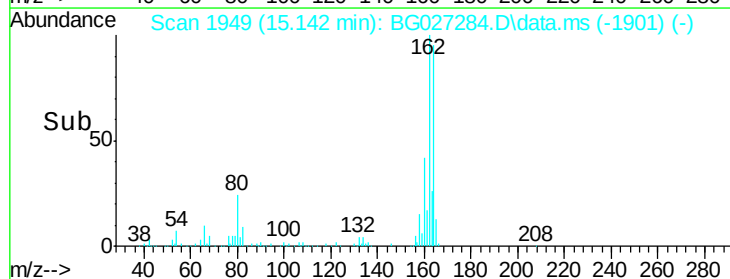
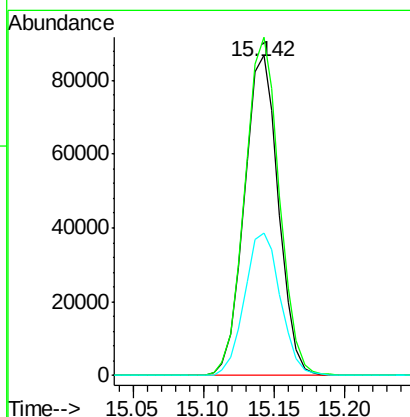
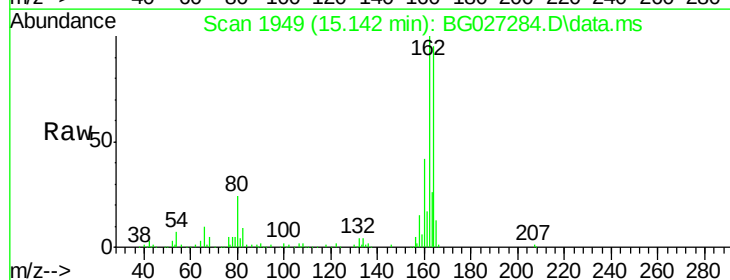
Instrument :
 BNA_G
 ClientSampleId :

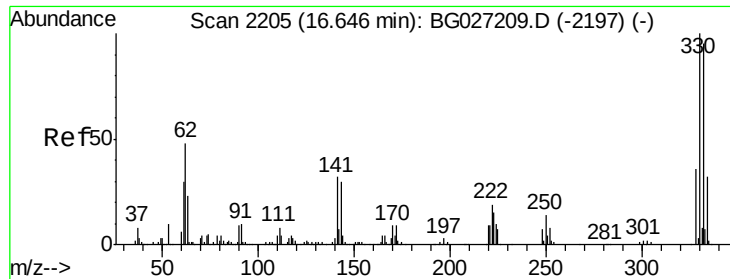
Tot Ion	82	Resp	412001
Ion Ratio	100	Lower	Upper
128	41.1	26.4	39.6
54	51.3	49.4	74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.142 min Scan# 1949
 Delta R.T. -0.017 min
 Lab File: BG027284.D
 Acq: 7 Jun 2017 15:22

Tgt Ion	164	Resp	146808
Ion Ratio	100	Lower	Upper
162	105.7	85.1	127.7
160	44.6	34.7	52.1

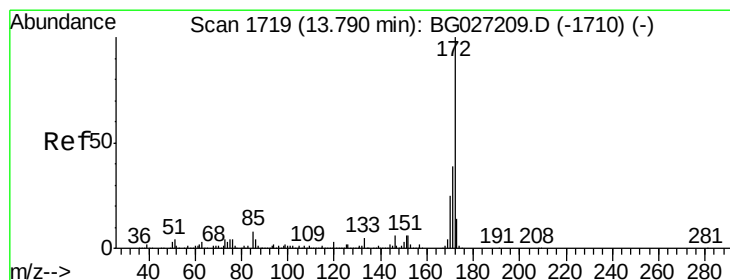
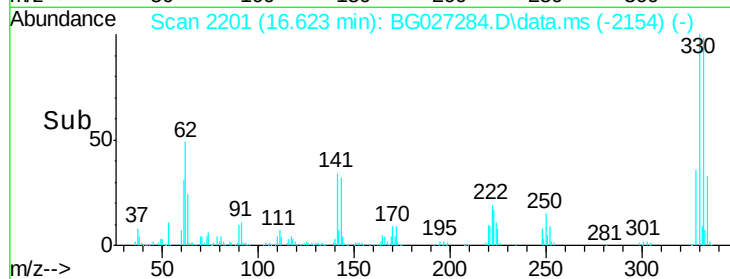
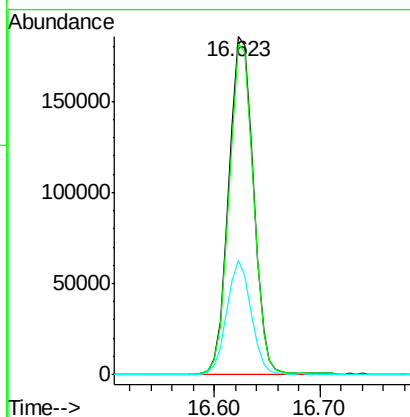
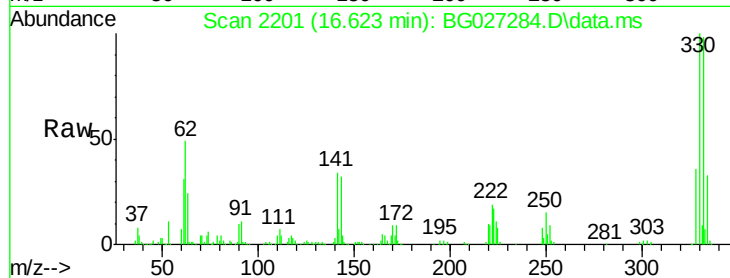




#41
 2,4,6-Tribromophenol
 Concen: 155.06 ng
 RT: 16.623 min Scan# 22
 Delta R.T. -0.023 min
 Lab File: BG027284.D
 Acq: 7 Jun 2017 15:22

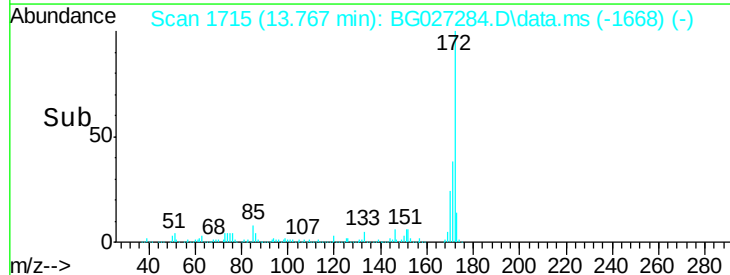
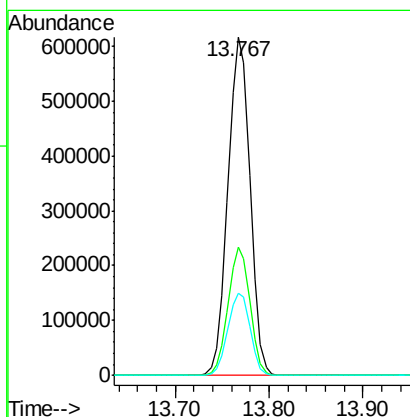
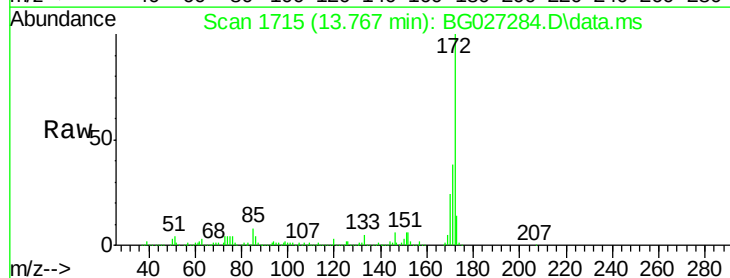
Instrument :
 BNA_G
 ClientSampleId :

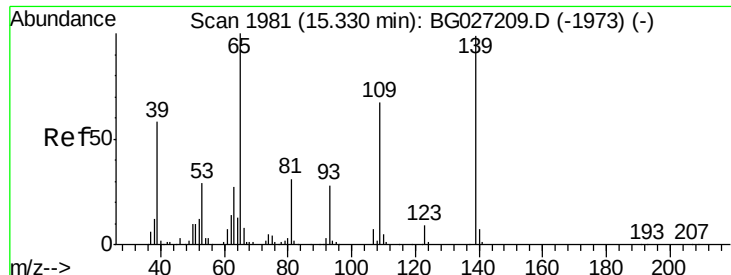
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	33.1	32.1	48.1



#44
 2-Fluorobiphenyl
 Concen: 95.70 ng
 RT: 13.767 min Scan# 1715
 Delta R.T. -0.023 min
 Lab File: BG027284.D
 Acq: 7 Jun 2017 15:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	32.2	48.2
170	24.1	21.8	32.6





#55

4-Nitrophenol

Concen: 6.29 ng

RT: 15.530 min Scan# 201

Delta R.T. 0.201 min

Lab File: BG027284.D

Acq: 7 Jun 2017 15:22

Instrument :

BNA_G

ClientSampleId :

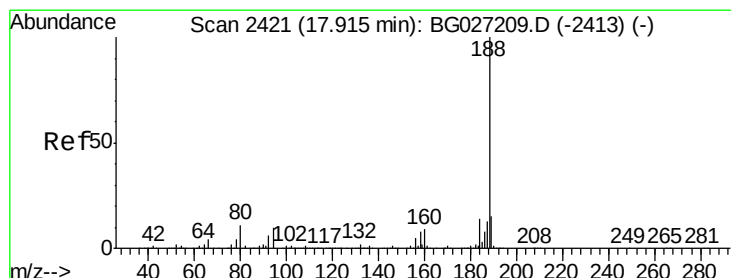
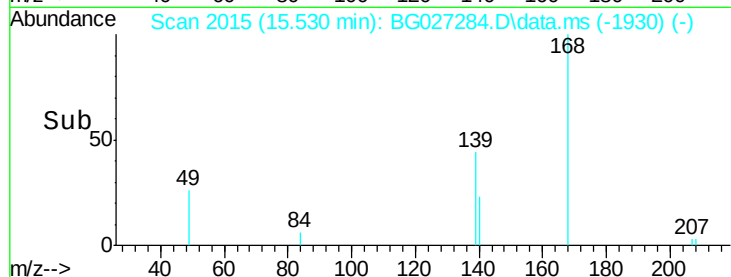
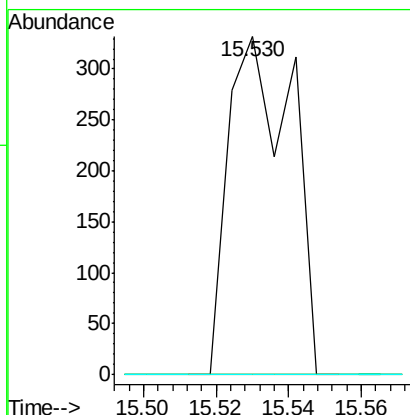
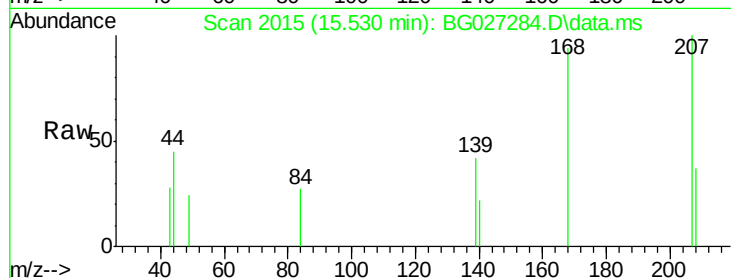
Tot Ion:139 Resp: 401

Ion Ratio Lower Upper

139 100

109 0.0 101.2 141.2#

65 0.0 135.3 175.3#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.892 min Scan# 2417

Delta R.T. -0.023 min

Lab File: BG027284.D

Acq: 7 Jun 2017 15:22

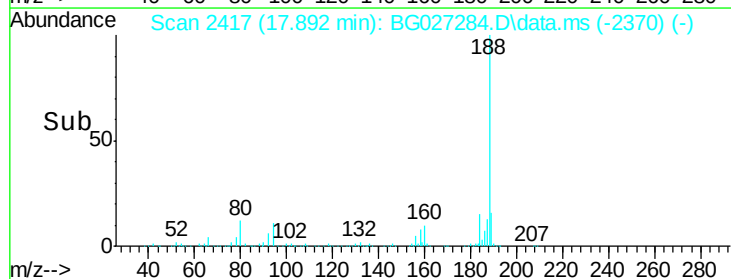
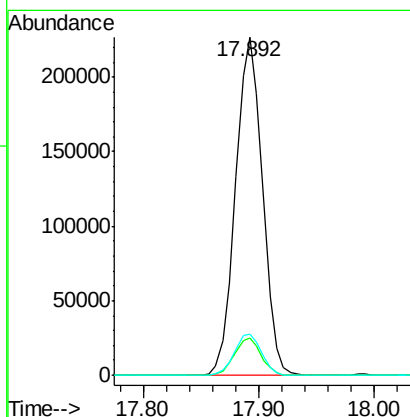
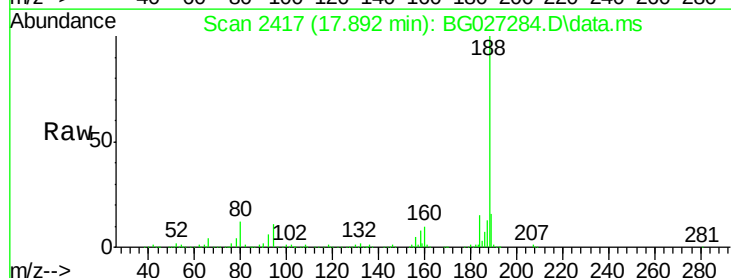
Tgt Ion:188 Resp: 366057

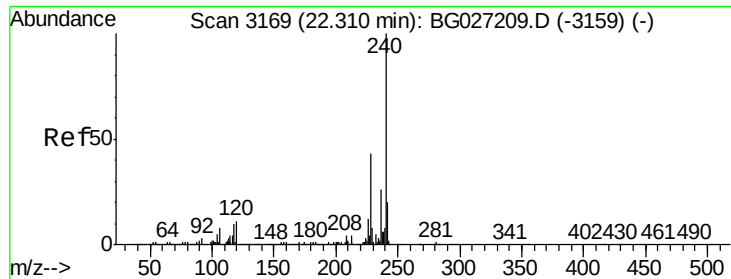
Ion Ratio Lower Upper

188 100

94 11.0 5.8 8.8#

80 12.2 7.5 11.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.275 min Scan# 31

Delta R.T. -0.035 min

Lab File: BG027284.D

Acq: 7 Jun 2017 15:22

Instrument :

BNA_G

ClientSampleId :

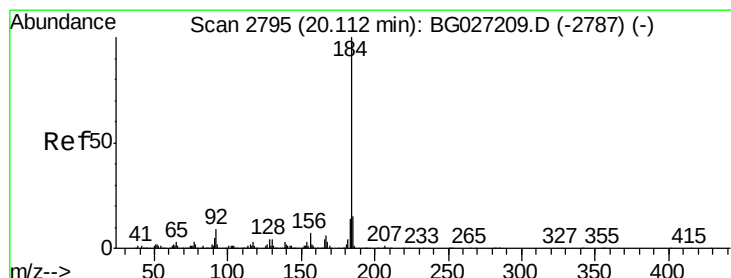
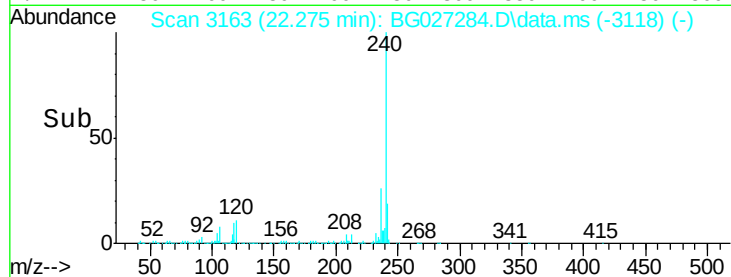
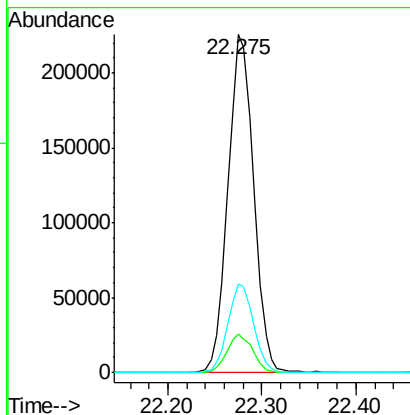
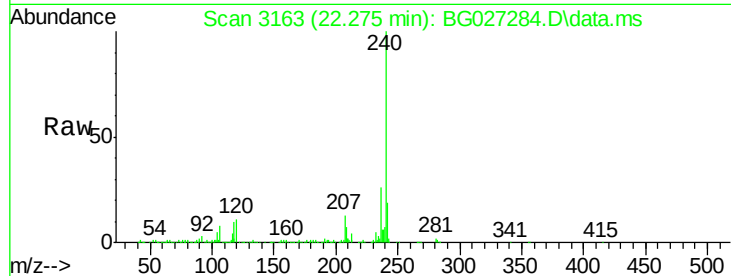
Tot Ion:240 Resp: 427903

Ion Ratio Lower Upper

240 100

120 11.3 5.7 8.5#

236 26.2 22.2 33.4



#76

Benzidine

Concen: 2.83 ng

RT: 20.089 min Scan# 2791

Delta R.T. -0.023 min

Lab File: BG027284.D

Acq: 7 Jun 2017 15:22

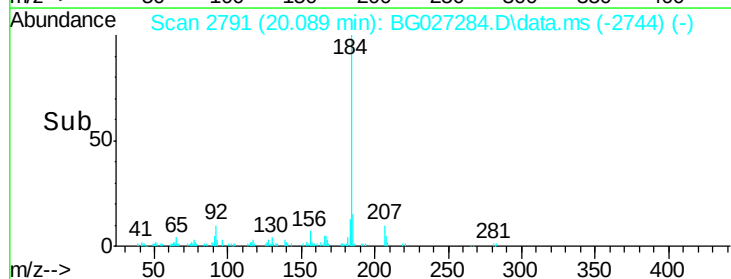
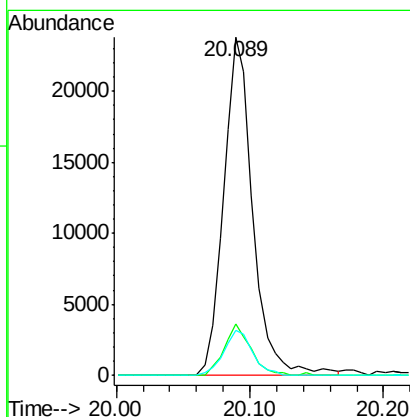
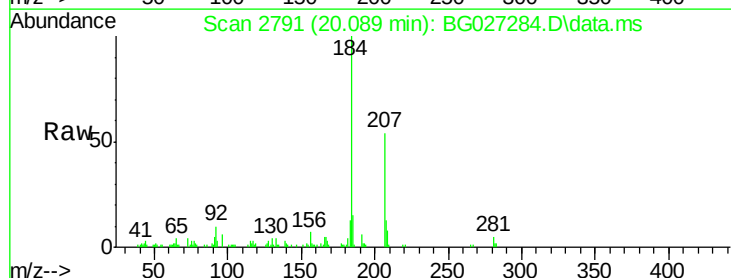
Tgt Ion:184 Resp: 36432

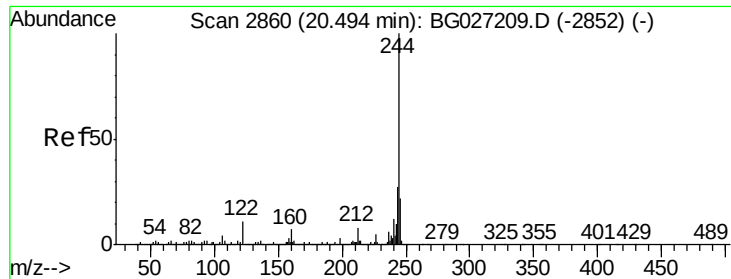
Ion Ratio Lower Upper

184 100

185 15.2 13.0 19.6

183 13.5 11.0 16.6





#78

Terphenyl-d14

Concen: 102.56 ng

RT: 20.471 min Scan# 28

Delta R.T. -0.023 min

Lab File: BG027284.D

Acq: 7 Jun 2017 15:22

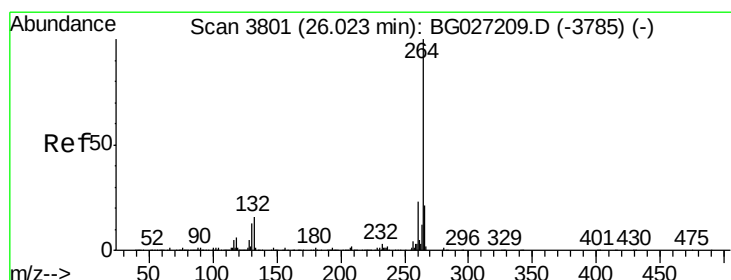
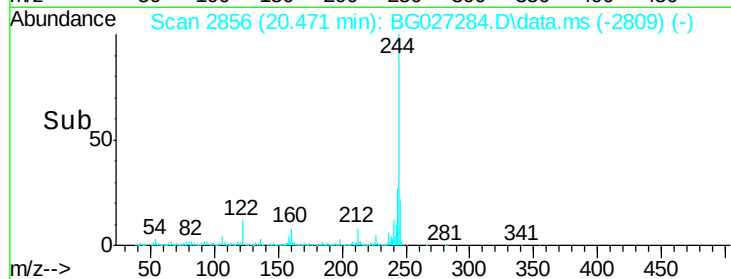
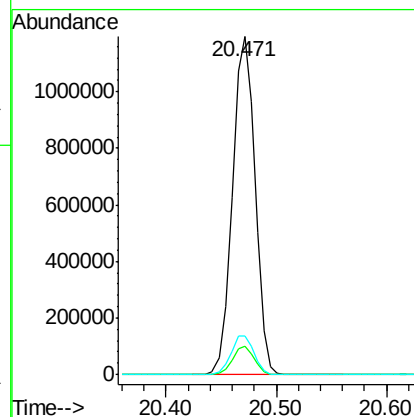
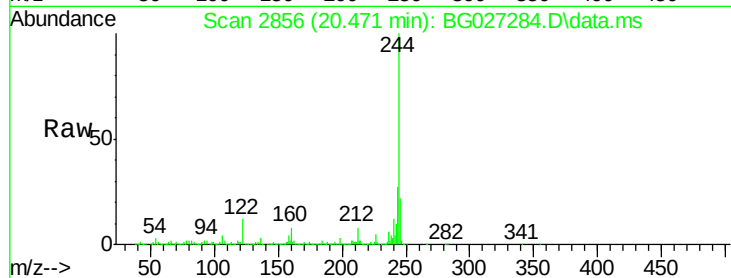
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1720382

Ion	Ratio	Lower	Upper
244	100		
212	8.2	10.0	15.0#
122	11.5	8.6	12.8



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.971 min Scan# 3792

Delta R.T. -0.052 min

Lab File: BG027284.D

Acq: 7 Jun 2017 15:22

Tgt Ion:264 Resp: 390576

Ion	Ratio	Lower	Upper
264	100		
260	22.4	21.8	32.8
265	23.2	18.2	27.4

