

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072618\
 Data File : BG035928.D
 Acq On : 27 Jul 2018 3:40
 Operator : JU/SJ
 Sample : J4160-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 27 07:23:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

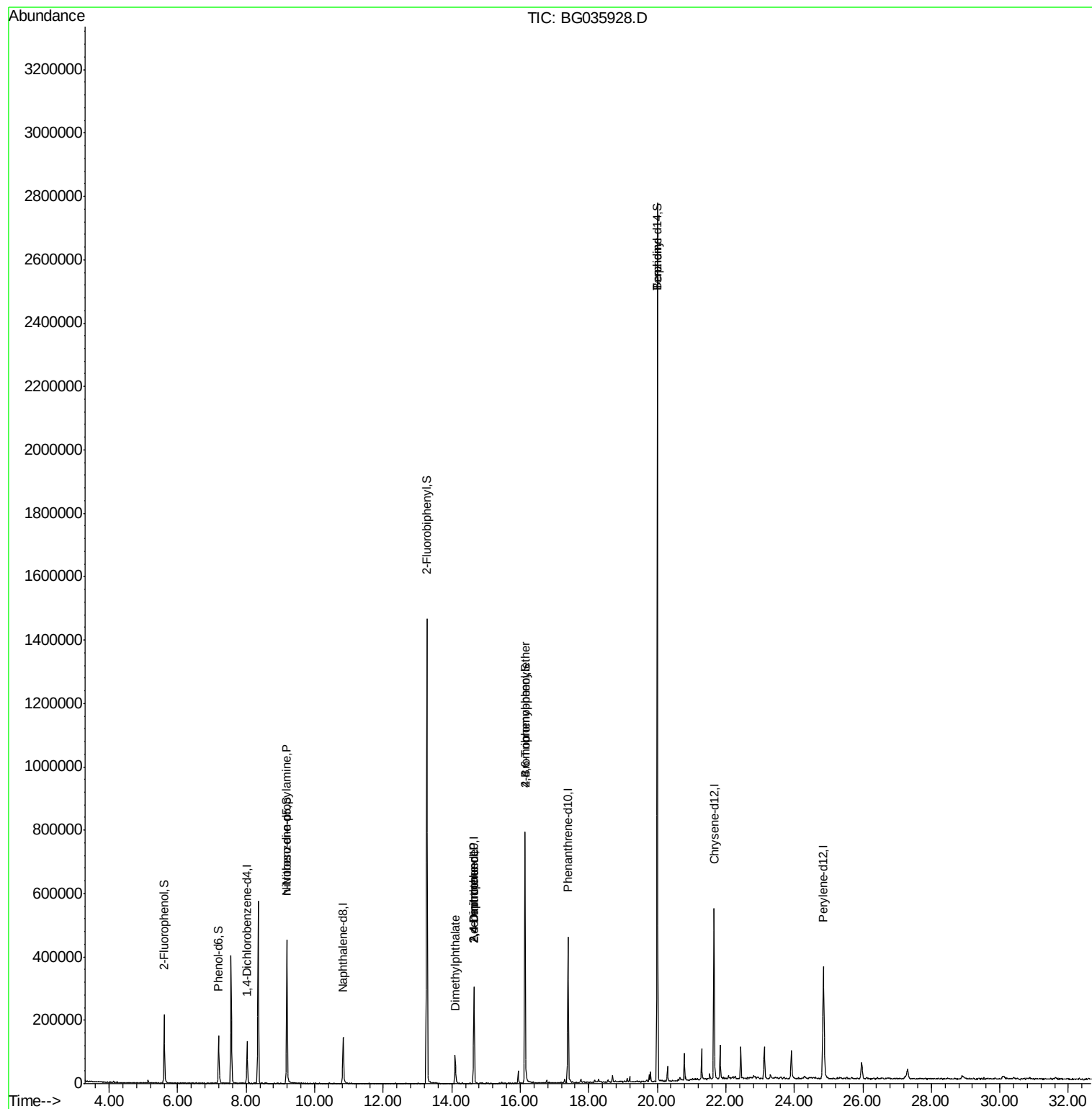
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	37197	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	143107	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	108259	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	315472	20.00	ng	0.00
75) Chrysene-d12	21.65	240	341176	20.00	ng	0.00
86) Perylene-d12	24.85	264	321139	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	100664	44.93	ng	0.00
7) Phenol-d6	7.19	99	98867	29.58	ng	0.00
23) Nitrobenzene-d5	9.19	82	322780	94.22	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	153862	107.83	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	797108	98.64	ng	0.00
78) Terphenyl-d14	20.00	244	1335486	86.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	43435	15.431	ng	# 66
49) Dimethylphthalate	14.10	163	72899	7.686	ng	# 97
53) 2,4-Dinitrophenol	14.66	184	54	6.632	ng	# 32
56) 2,4-Dinitrotoluene	14.65	165	15363	5.544	ng	# 20
66) 4-Bromophenyl-phenylether	16.14	248	12434	3.397	ng	# 1
76) Benzidine	20.00	184	24030	2.679	ng	# 86

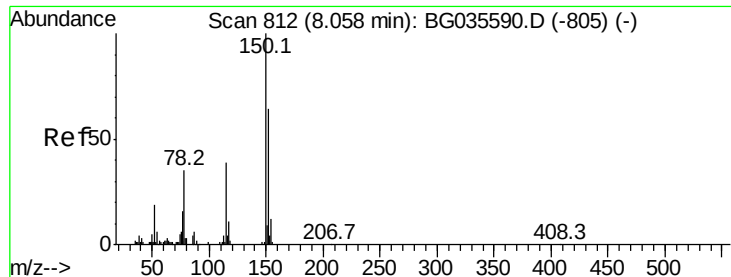
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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ClientSampleId :

Quant Time: Jul 27 07:23:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 25 11:04:14 2018
Response via : Initial Calibration



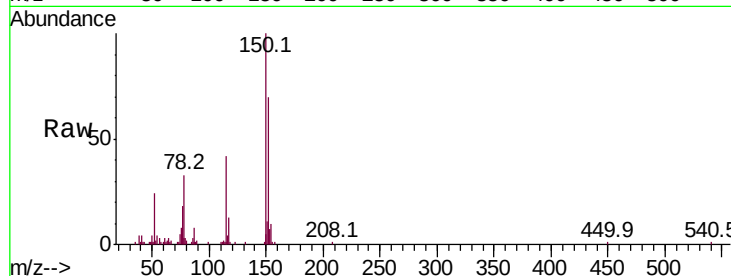


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 806
Delta R.T. 0.00 min
Lab File: BG035928.D
Acq: 27 Jul 2018 3:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.8	126.6	189.8
115	60.4	53.0	79.4

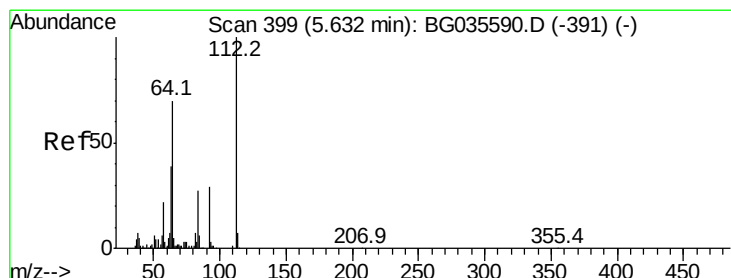
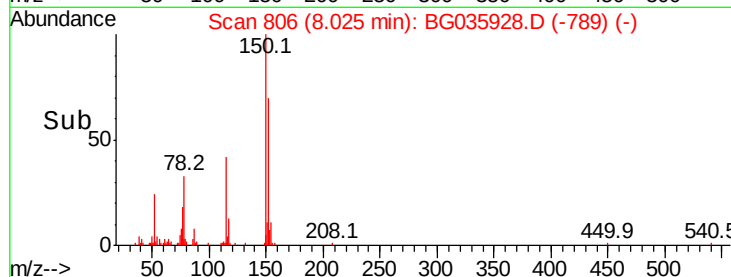
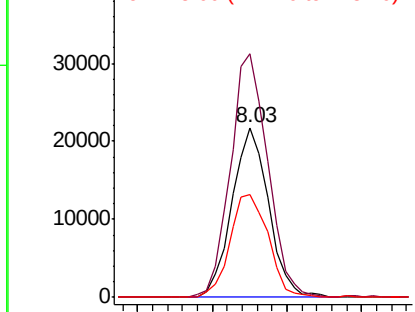


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

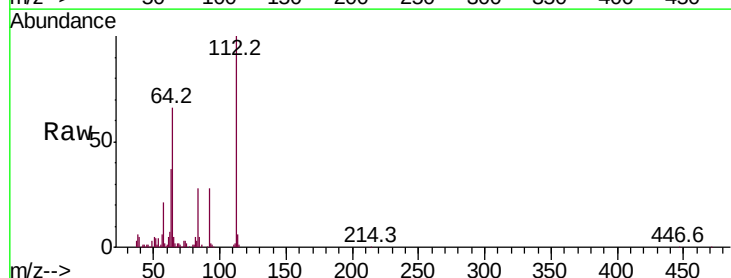
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.930 ng
RT: 5.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG035928.D
Acq: 27 Jul 2018 3:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	56.3	84.5
63	37.5	30.1	45.1

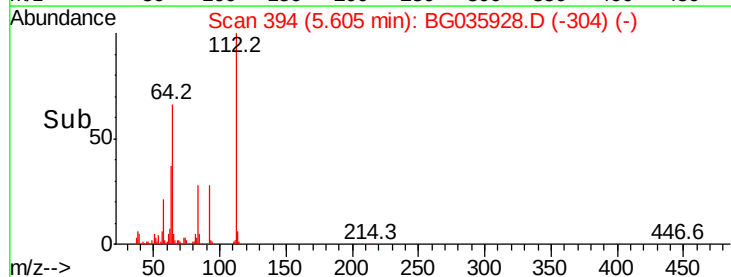
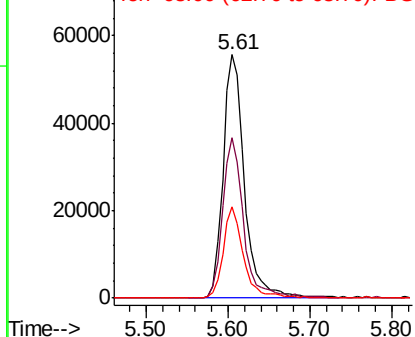


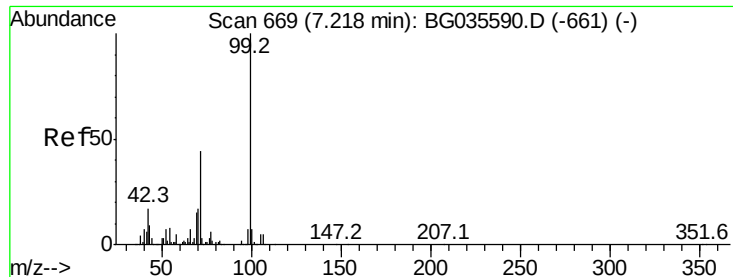
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 29.577 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG035928.D

Acq: 27 Jul 2018 3:40

Instrument :

BNA_G

ClientSampleId :

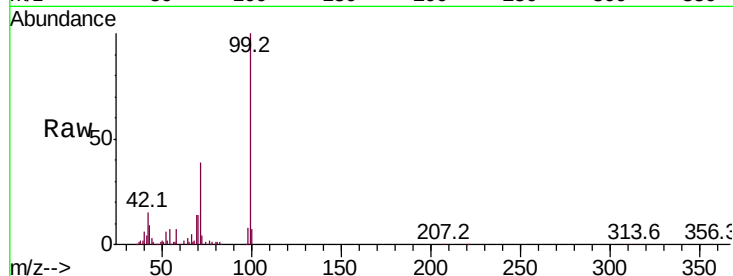
Tot Ion: 99 Resp: 98867

Ion Ratio Lower Upper

99 100

42 15.4 14.1 21.1

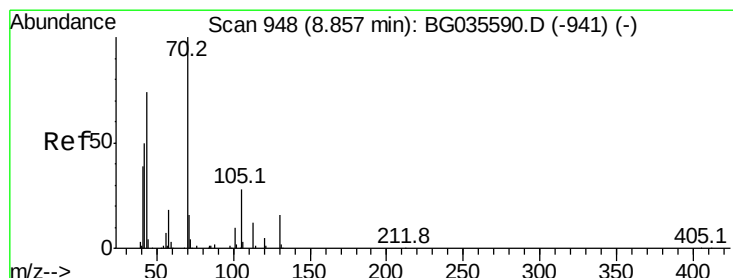
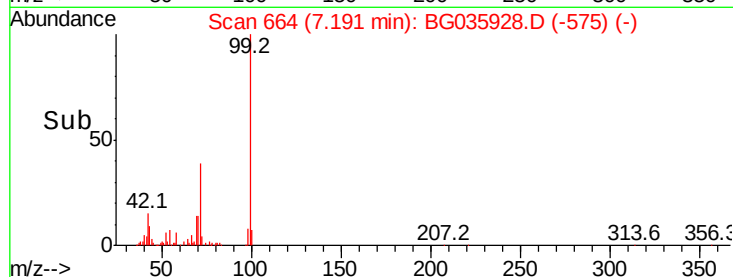
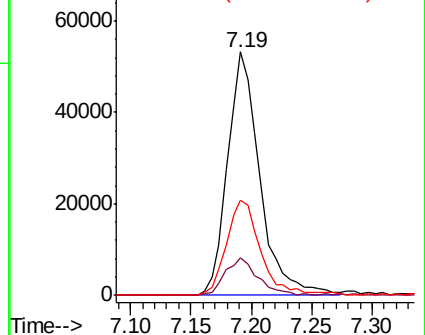
71 39.2 26.1 39.1#



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.431 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035928.D

Acq: 27 Jul 2018 3:40

Tgt Ion: 70 Resp: 43435

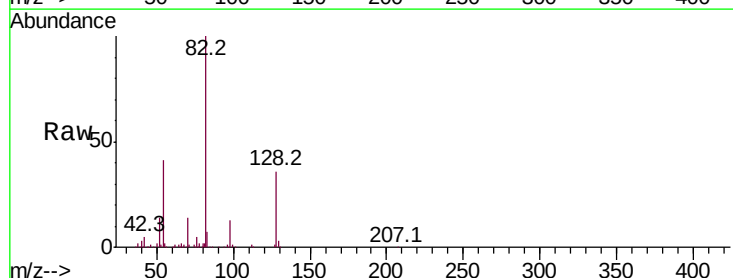
Ion Ratio Lower Upper

70 100

42 34.7 49.1 73.7#

101 0.8 8.5 12.7#

130 2.1 13.4 20.0#

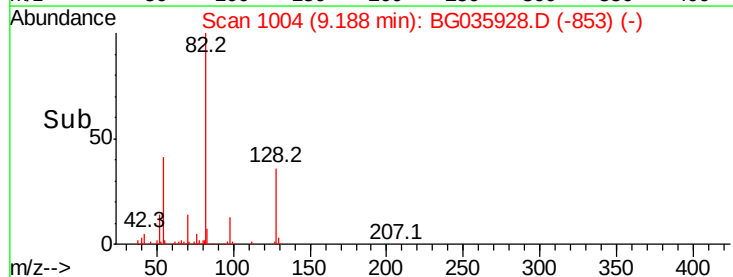
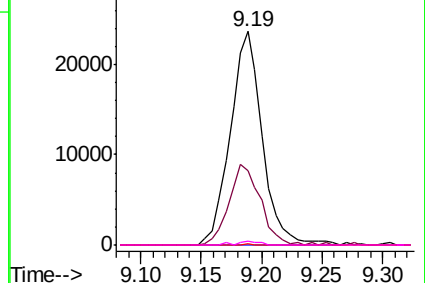


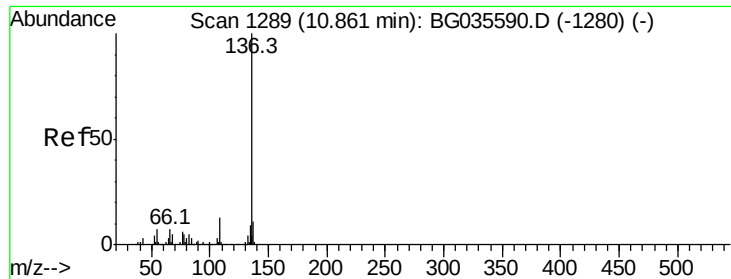
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

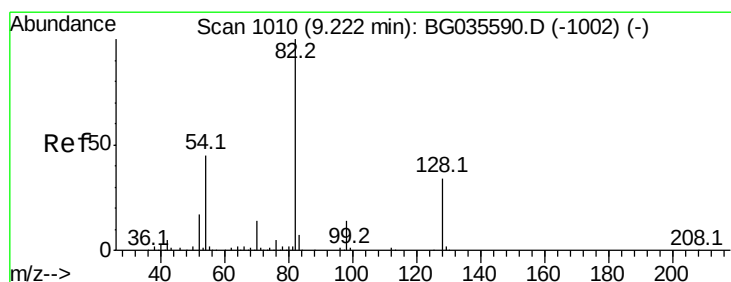
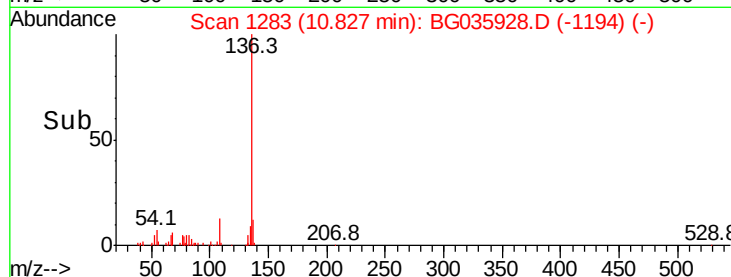
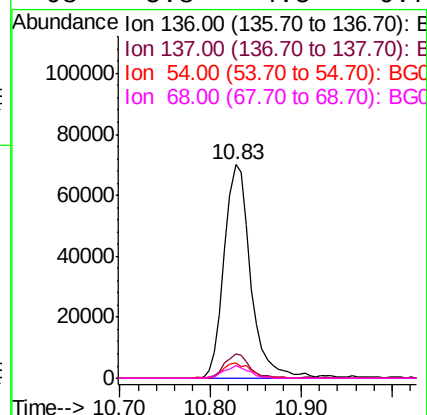
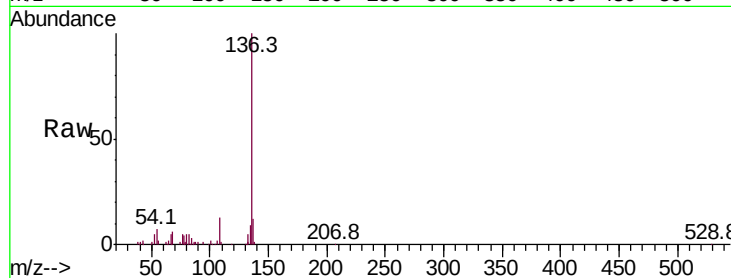




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BG035928.D
Acq: 27 Jul 2018 3:40

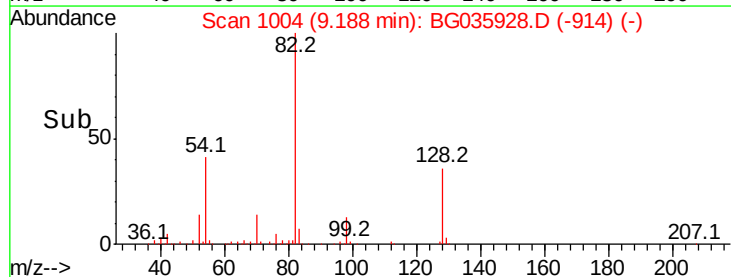
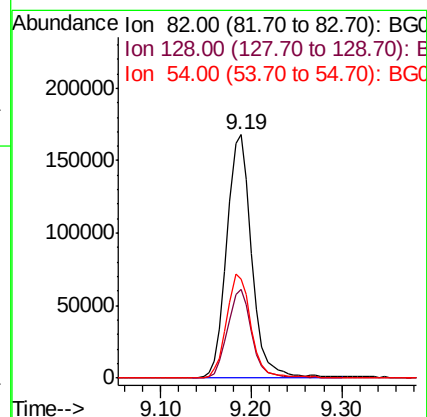
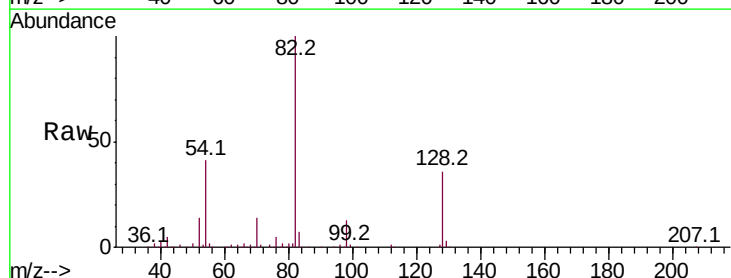
Instrument :
BNA_G
ClientSampleId :

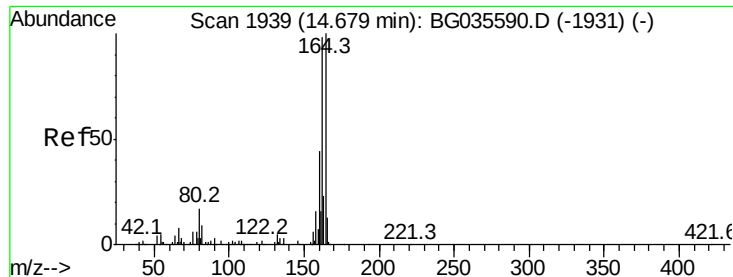
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.0	10.3	15.5
68	5.8	4.5	6.7



#23
Nitrobenzene-d5
Concen: 94.224 ng
RT: 9.19 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BG035928.D
Acq: 27 Jul 2018 3:40

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.3	29.7	44.5
54	40.8	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BG035928.D

Acq: 27 Jul 2018 3:40

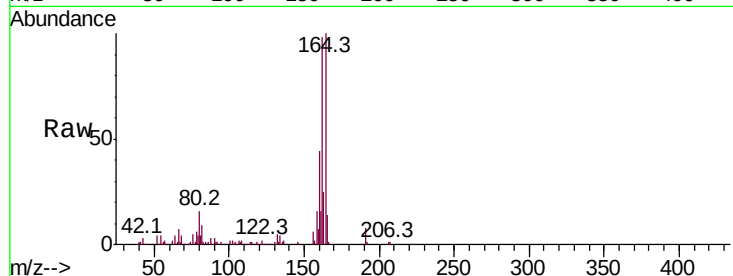
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 108259

Ion	Ratio	Lower	Upper
164	100		
162	98.0	78.8	118.2
160	44.4	35.4	53.0

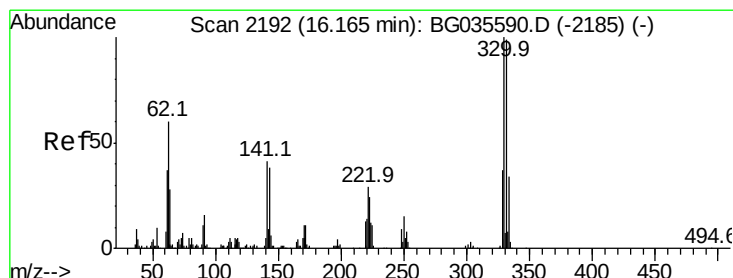
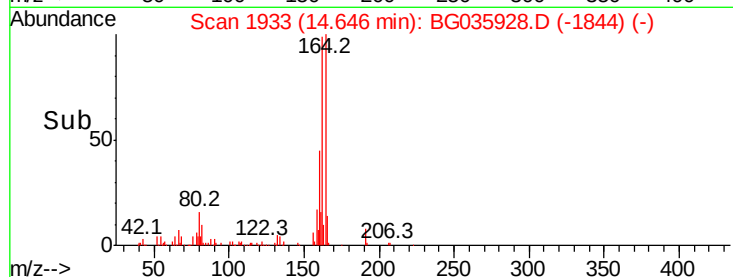
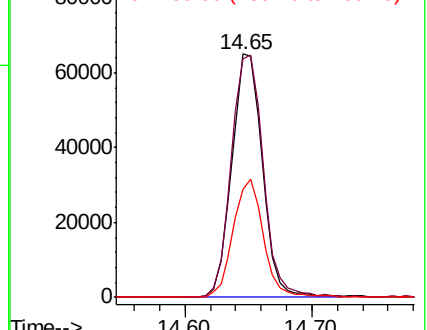


Abundance

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: 107.828 ng

RT: 16.14 min Scan# 2187

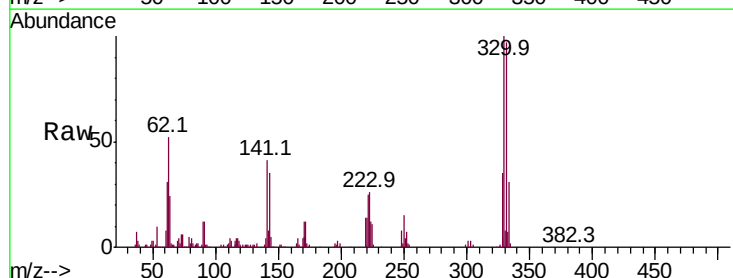
Delta R.T. -0.00 min

Lab File: BG035928.D

Acq: 27 Jul 2018 3:40

Tgt Ion:330 Resp: 153862

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	37.9	25.2	37.8#

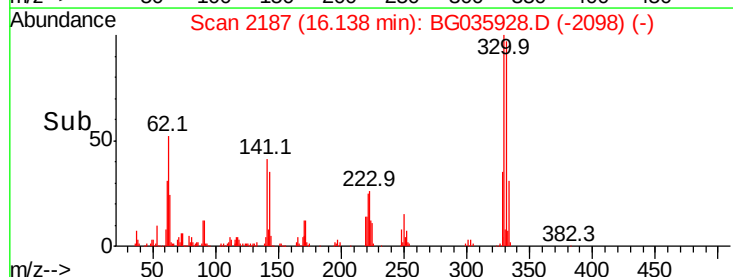
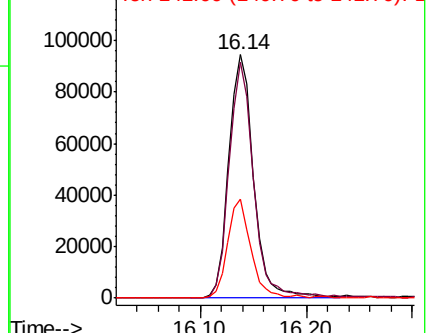


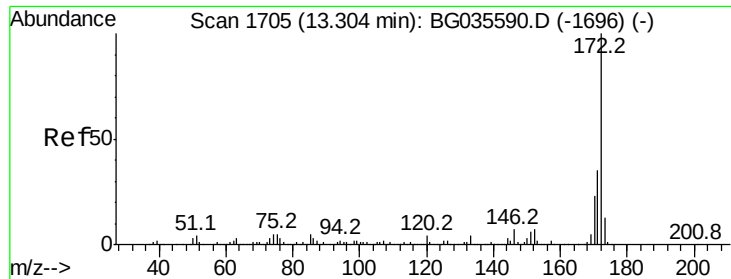
Abundance

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

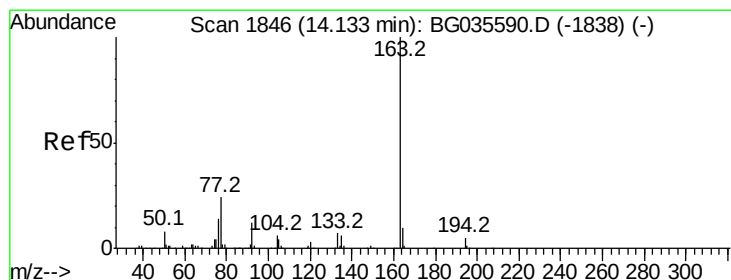
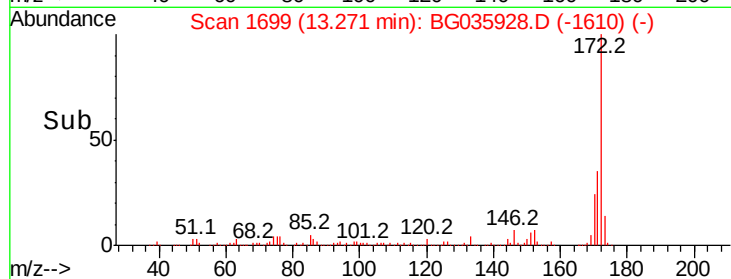
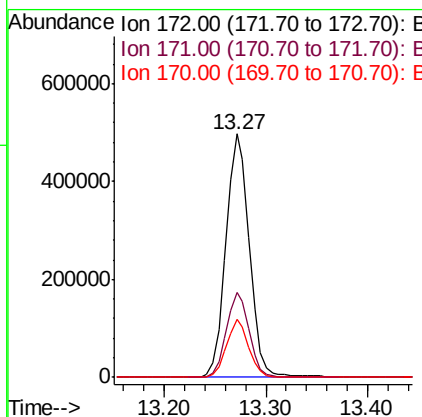
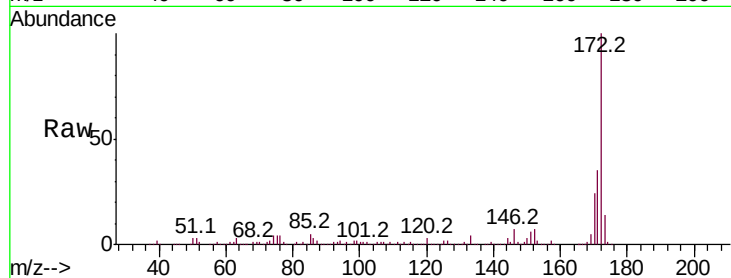




#44
2-Fluorobiphenyl
Concen: 98.645 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.00 min
Lab File: BG035928.D
Acq: 27 Jul 2018 3:40

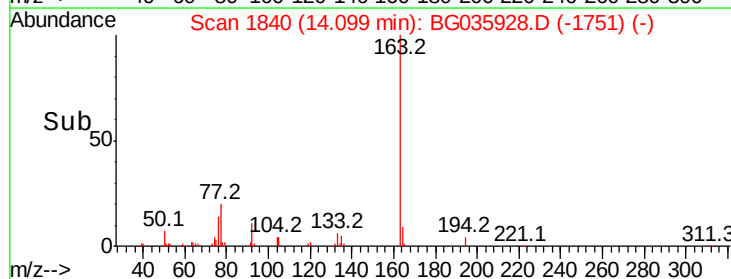
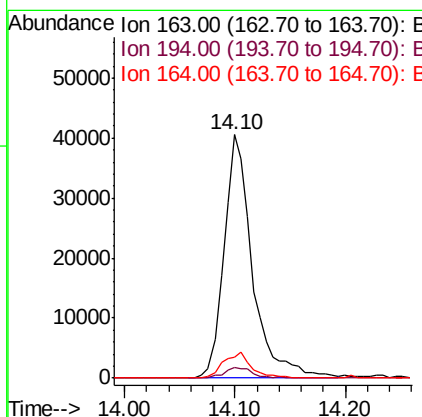
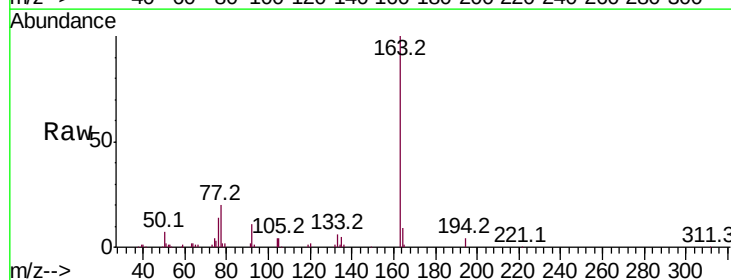
Instrument :
BNA_G
ClientSampleId :

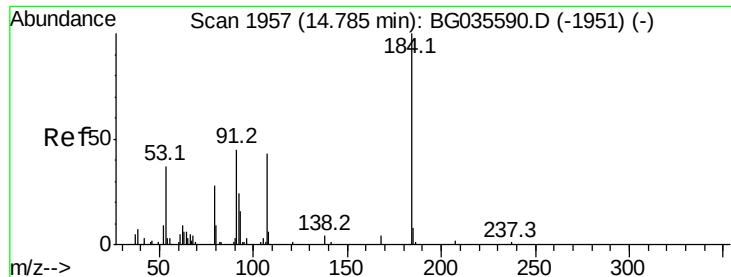
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.0	45.0
170	23.8	19.5	29.3



#49
Dimethylphthalate
Concen: 7.686 ng
RT: 14.10 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BG035928.D
Acq: 27 Jul 2018 3:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	8.8	8.2	12.4





#53

2,4-Dinitrophenol

Concen: 6.632 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.10 min

Lab File: BG035928.D

Acq: 27 Jul 2018 3:40

Instrument :

BNA_G

ClientSampled :

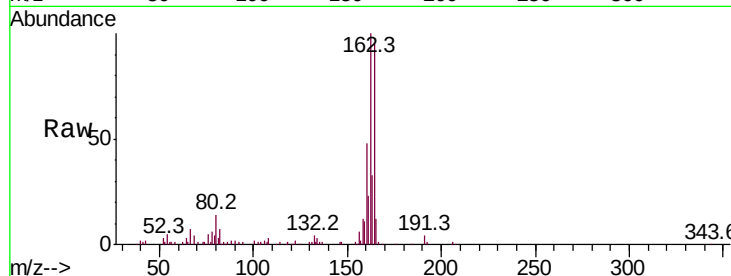
Tot Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

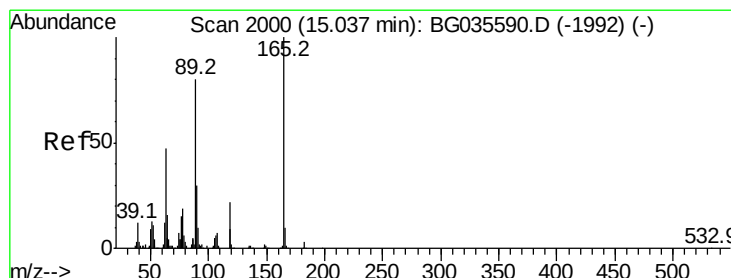
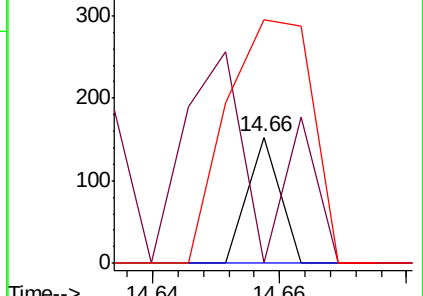
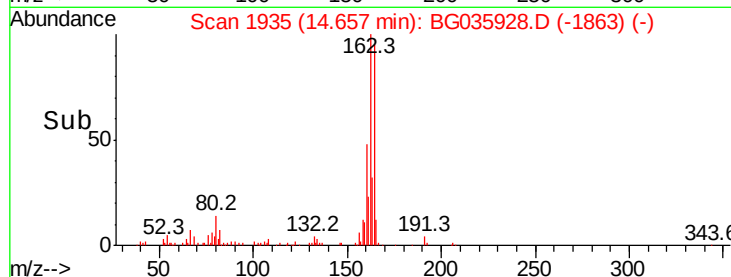
154 192.8 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 5.544 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.37 min

Lab File: BG035928.D

Acq: 27 Jul 2018 3:40

Tgt Ion:165 Resp: 15363

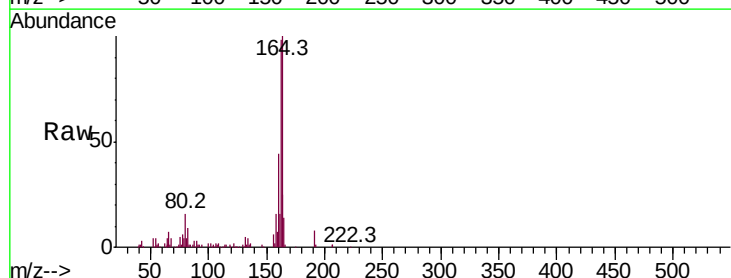
Ion Ratio Lower Upper

165 100

63 2.1 42.0 63.0#

89 3.5 66.9 100.3#

182 0.0 2.6 3.8#

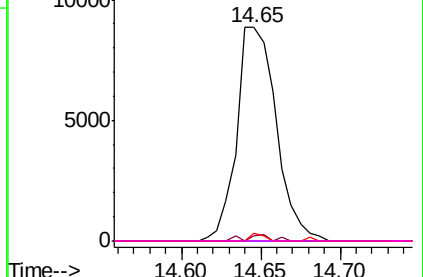
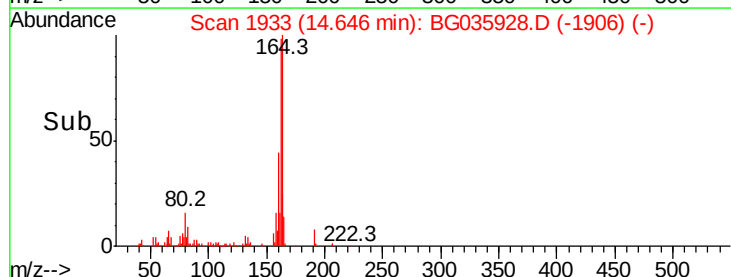


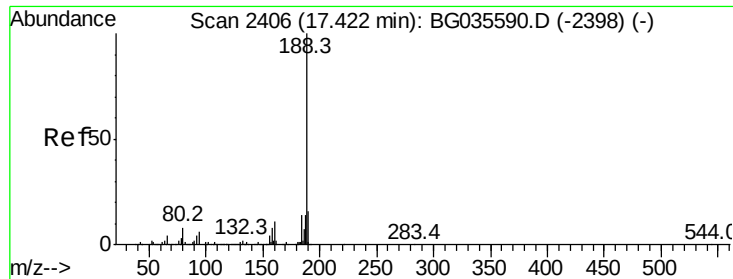
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

Ion 182.00 (181.70 to 182.70): E

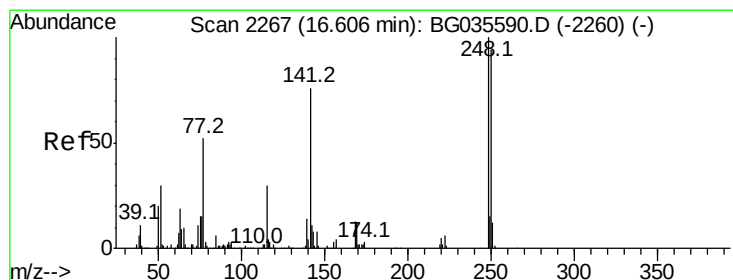
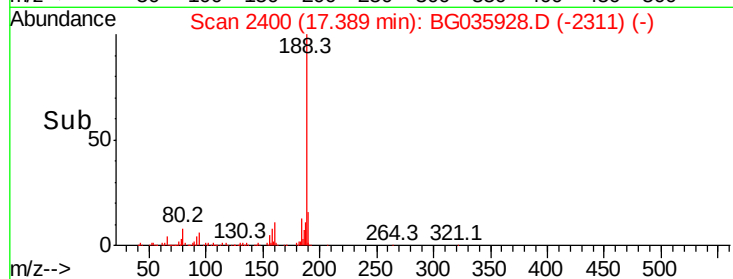
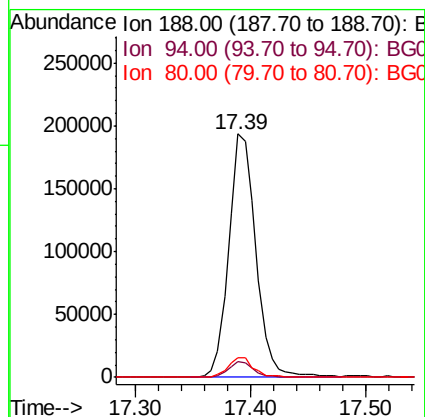
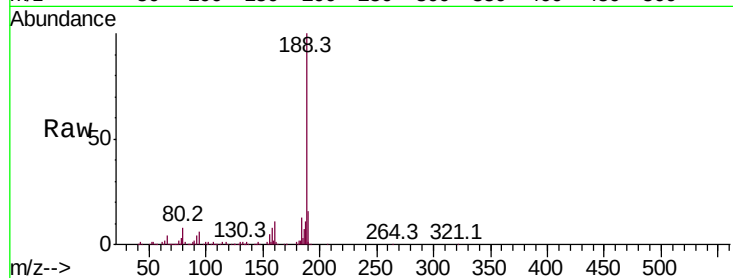




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2400
Delta R.T. -0.00 min
Lab File: BG035928.D
Acq: 27 Jul 2018 3:40

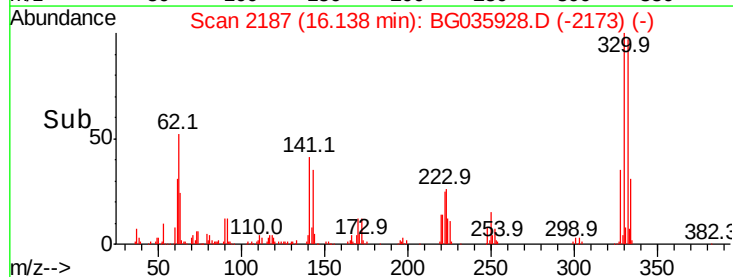
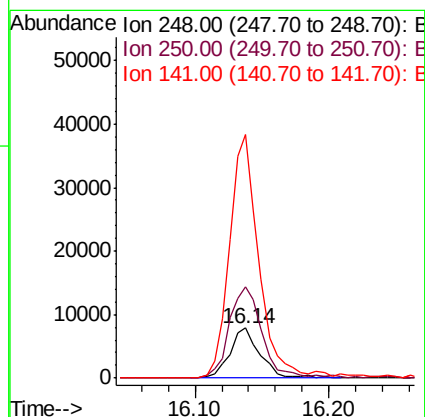
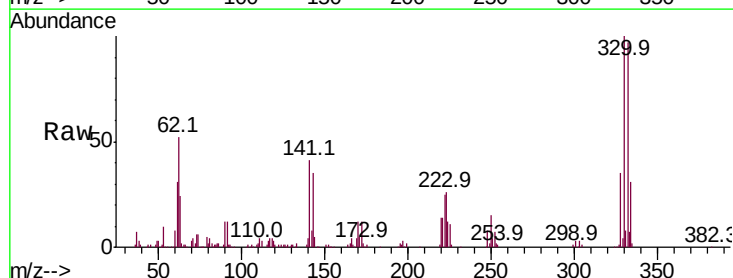
Instrument :
BNA_G
ClientSampled :

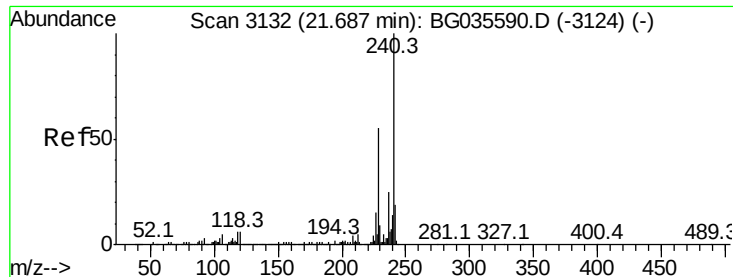
Tot Ion:188 Resp: 315472
Ion Ratio Lower Upper
188 100
94 6.3 6.9 10.3#
80 8.0 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 3.397 ng
RT: 16.14 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG035928.D
Acq: 27 Jul 2018 3:40

Tgt Ion:248 Resp: 12434
Ion Ratio Lower Upper
248 100
250 181.6 77.1 115.7#
141 485.8 50.8 76.2#

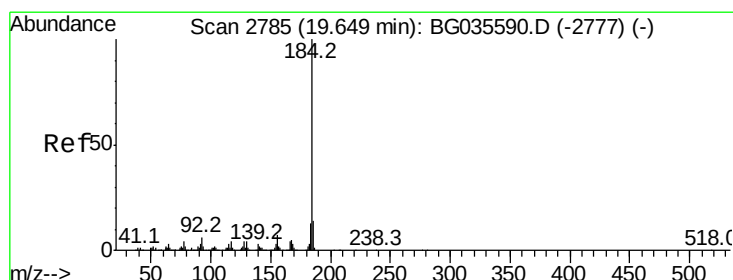
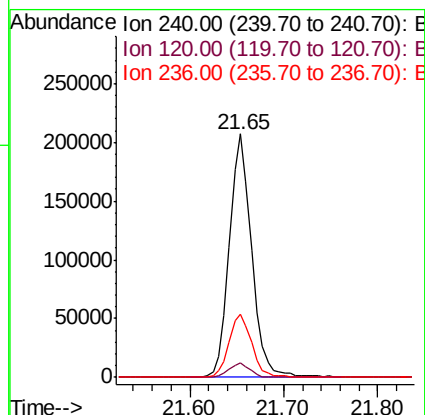
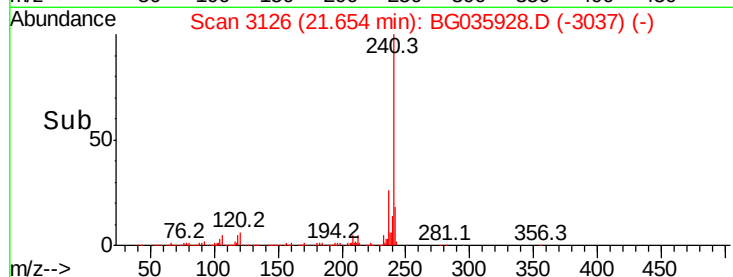
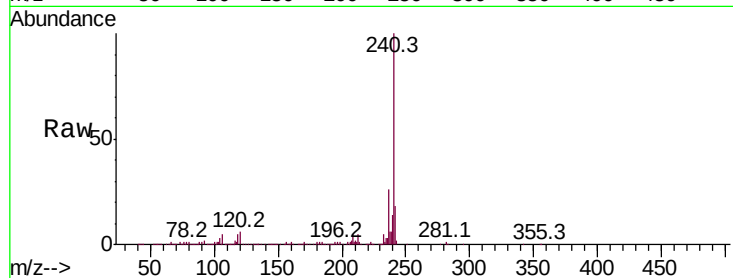




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.00 min
 Lab File: BG035928.D
 Acq: 27 Jul 2018 3:40

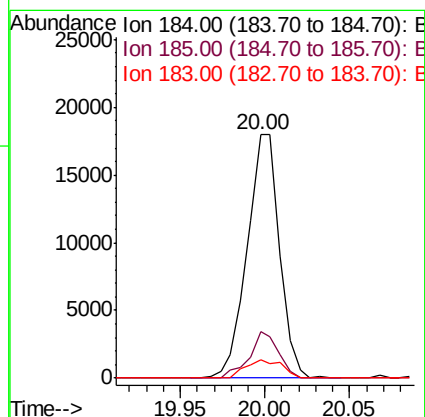
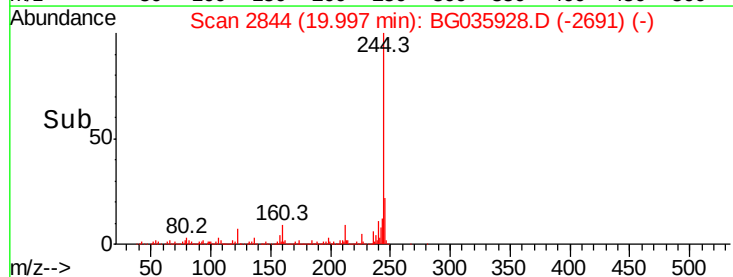
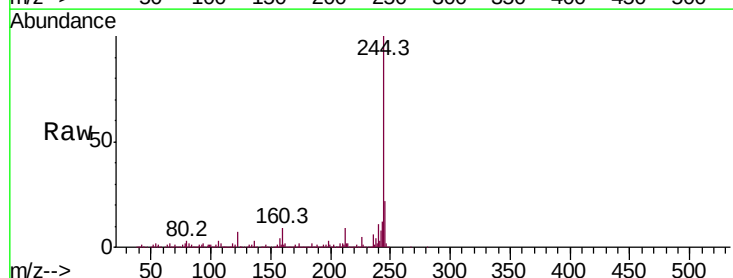
Instrument :
 BNA_G
 ClientSampled :

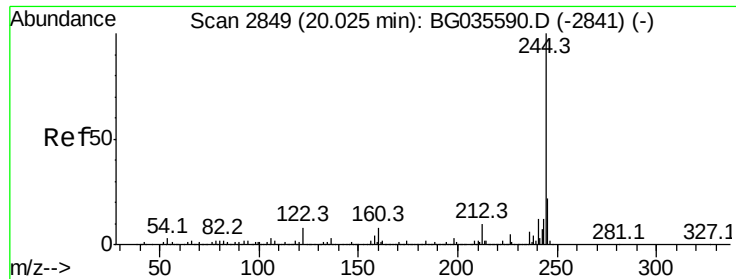
Tot Ion:240 Resp: 341176
 Ion Ratio Lower Upper
 240 100
 120 5.8 6.8 10.2#
 236 26.1 20.9 31.3



#76
 Benzidine
 Concen: 2.679 ng
 RT: 20.00 min Scan# 2844
 Delta R.T. 0.37 min
 Lab File: BG035928.D
 Acq: 27 Jul 2018 3:40

Tgt Ion:184 Resp: 24030
 Ion Ratio Lower Upper
 184 100
 185 19.2 11.1 16.7#
 183 7.4 10.6 16.0#

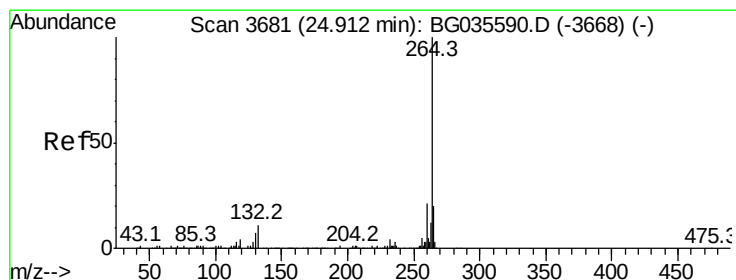
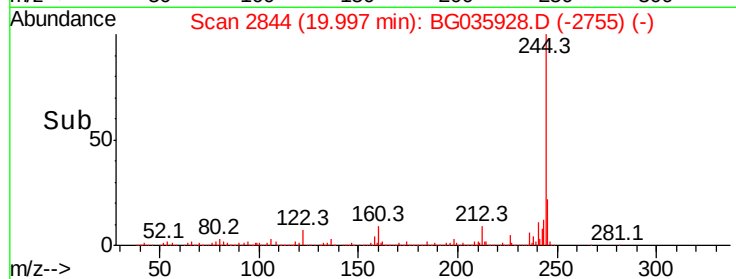
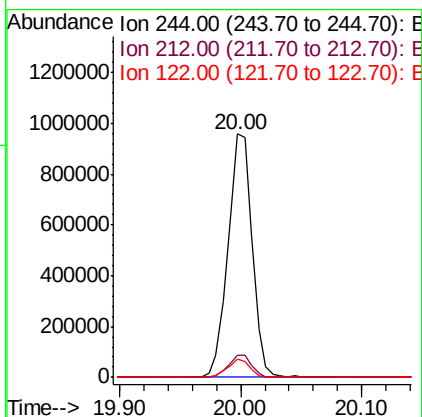
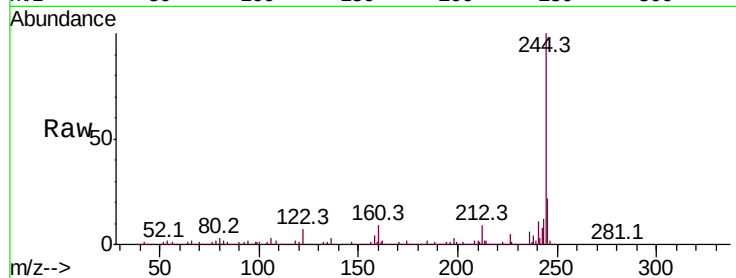




#78
 Terphenyl-d14
 Concen: 86.284 ng
 RT: 20.00 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: BG035928.D
 Acq: 27 Jul 2018 3:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1335486
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.8 8.8#
 122 7.4 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3670
 Delta R.T. -0.01 min
 Lab File: BG035928.D
 Acq: 27 Jul 2018 3:40

Tgt Ion:264 Resp: 321139
 Ion Ratio Lower Upper
 264 100
 260 26.5 17.4 26.0#
 265 20.9 17.7 26.5

