

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081018\
 Data File : BG036294.D
 Acq On : 11 Aug 2018 9:11
 Operator : JU/SJ
 Sample : J4274-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-080918

Quant Time: Aug 13 00:48:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

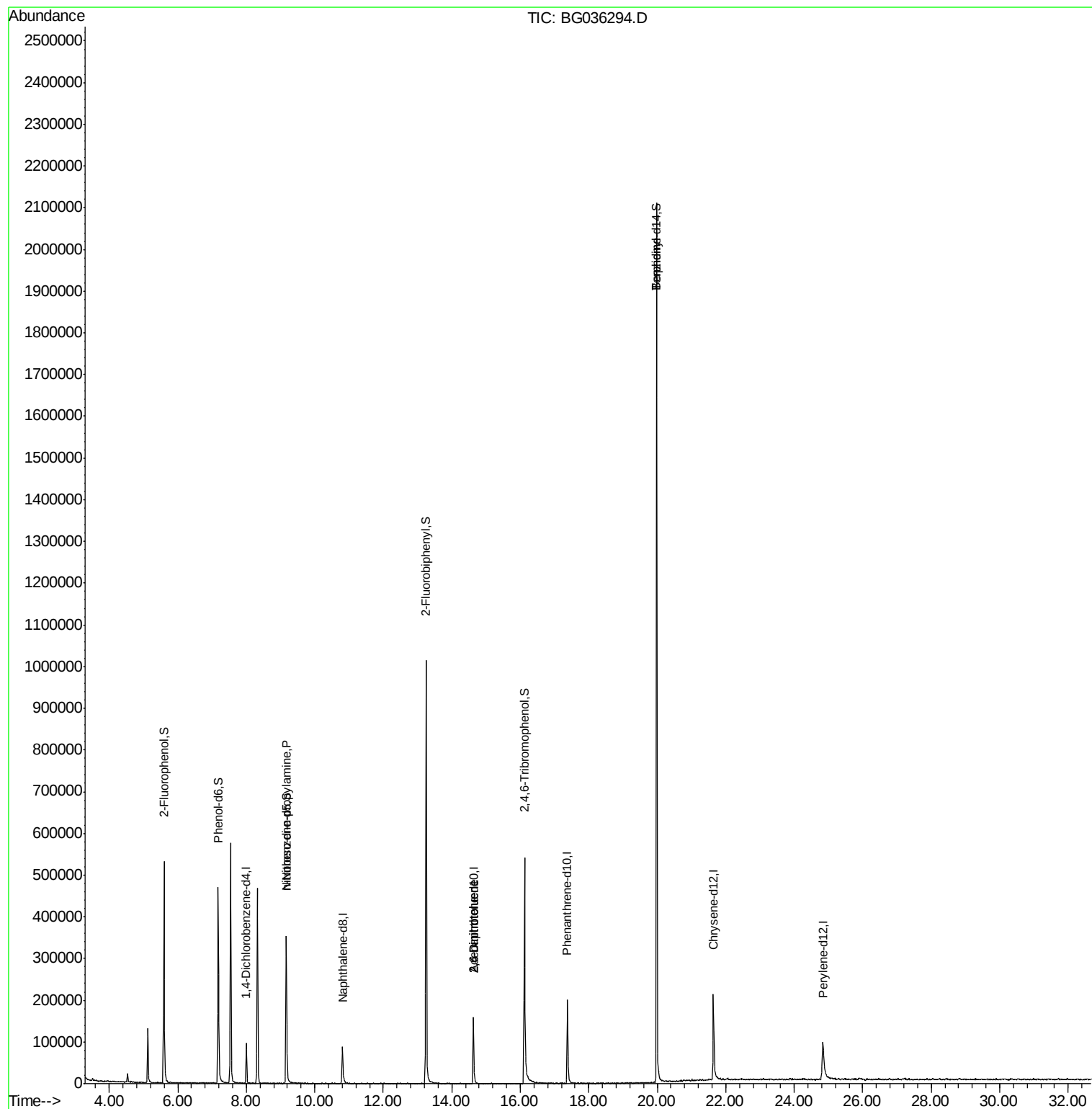
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27174	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	95379	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	65724	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	170014	20.00	ng	-0.02
75) Chrysene-d12	21.65	240	178753	20.00	ng	-0.01
86) Perylene-d12	24.84	264	147645	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	233047	142.38	ng	0.00
7) Phenol-d6	7.18	99	294851	120.74	ng	-0.01
23) Nitrobenzene-d5	9.17	82	258751	113.33	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	133976	154.66	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	587690	119.80	ng	-0.02
78) Terphenyl-d14	19.98	244	1054984	130.10	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	35551	17.288	ng	# 68
50) 2,6-Dinitrotoluene	14.63	165	8528	7.273	ng	# 21
56) 2,4-Dinitrotoluene	14.63	165	8528	5.069	ng	# 19
76) Benzidine	19.98	184	18746	3.989	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.02 min

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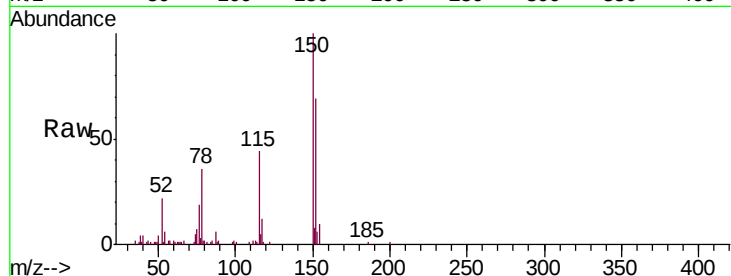
Tgt Ion:152 Resp: 27174

Ion Ratio Lower Upper

152 100

150 144.6 126.6 189.8

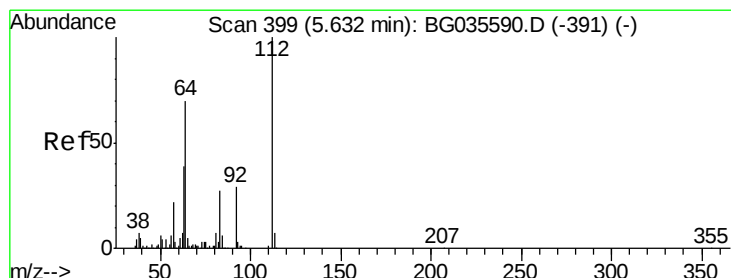
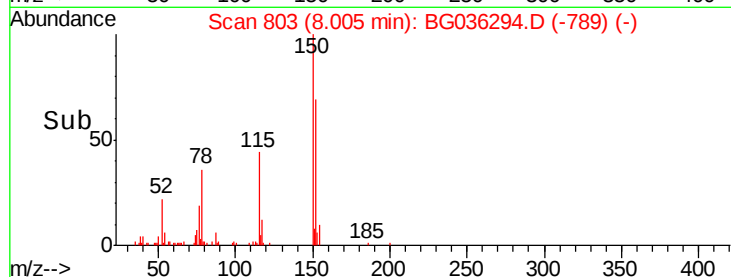
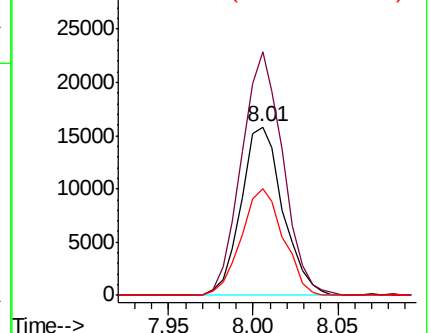
115 63.0 53.0 79.4



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: 142.383 ng

RT: 5.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG036294.D

Acq: 11 Aug 2018 9:11

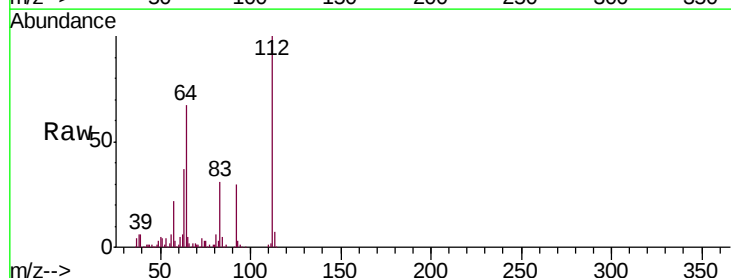
Tgt Ion:112 Resp: 233047

Ion Ratio Lower Upper

112 100

64 67.1 56.3 84.5

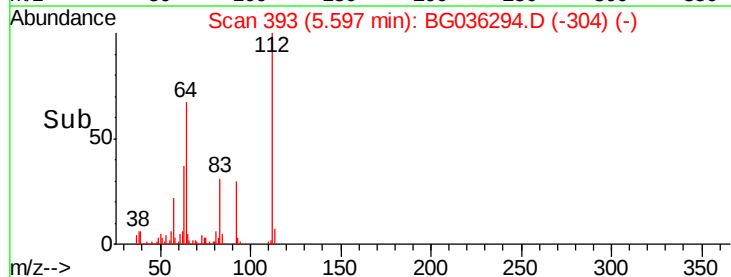
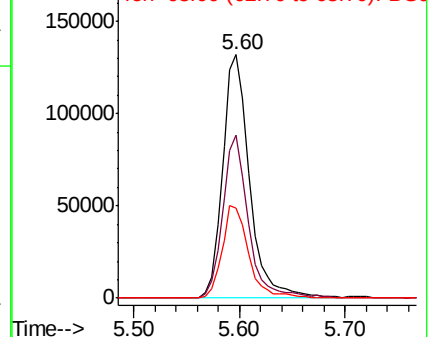
63 37.2 30.1 45.1

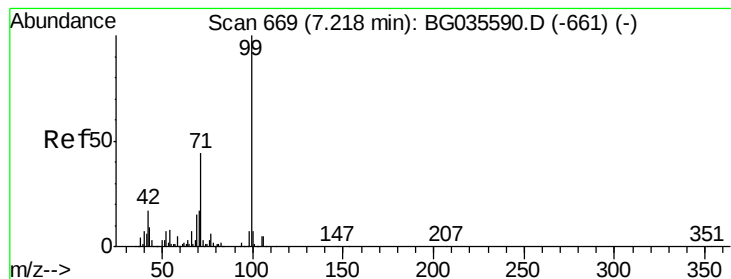


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 120.741 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036294.D

Acq: 11 Aug 2018 9:11

Instrument :

BNA_G

ClientSampleId :

HD-01-080918

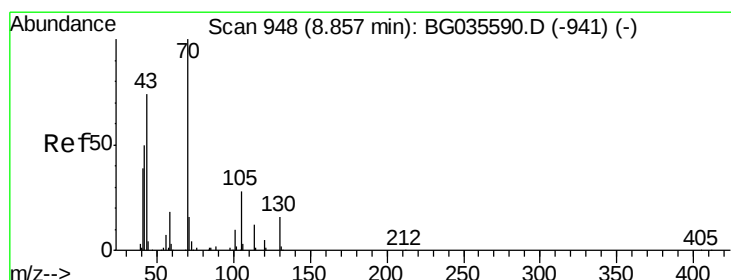
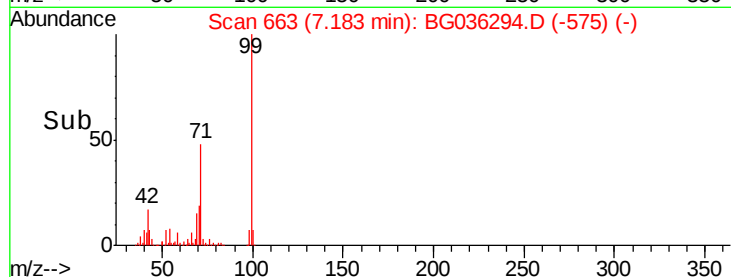
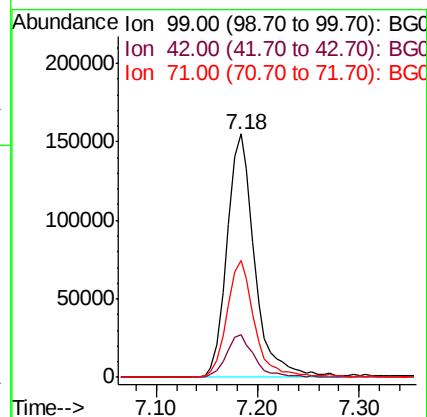
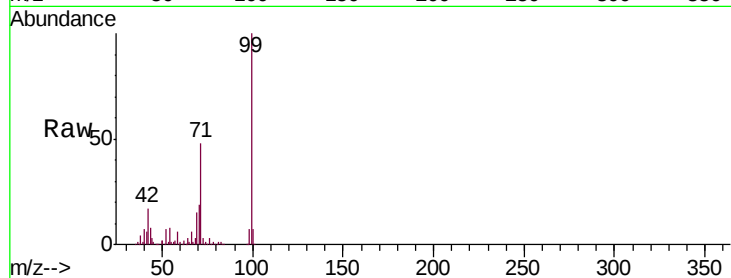
Tgt Ion: 99 Resp: 294851

Ion Ratio Lower Upper

99 100

42 17.3 14.1 21.1

71 47.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.288 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036294.D

Acq: 11 Aug 2018 9:11

Tgt Ion: 70 Resp: 35551

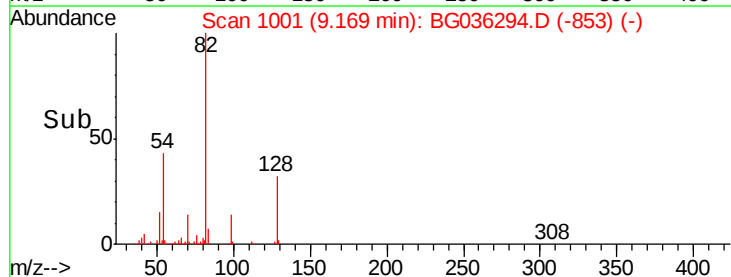
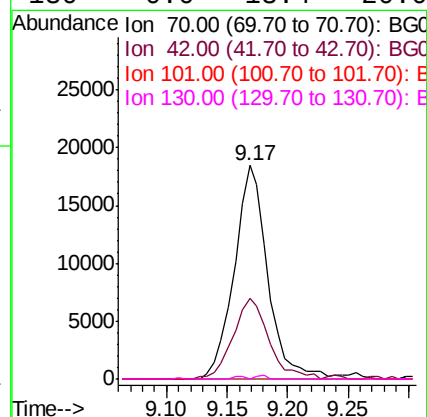
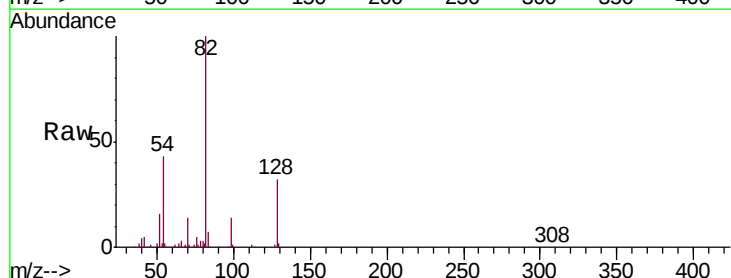
Ion Ratio Lower Upper

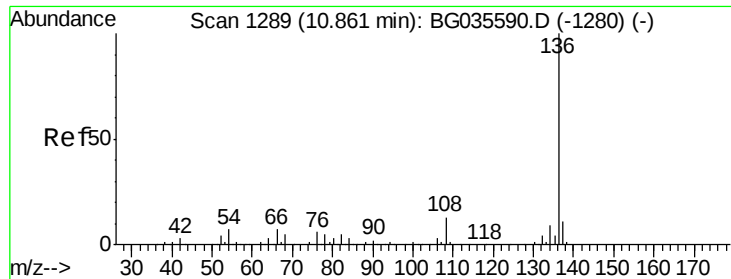
70 100

42 38.0 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#

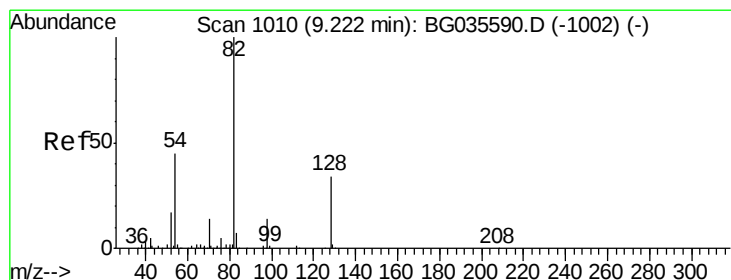
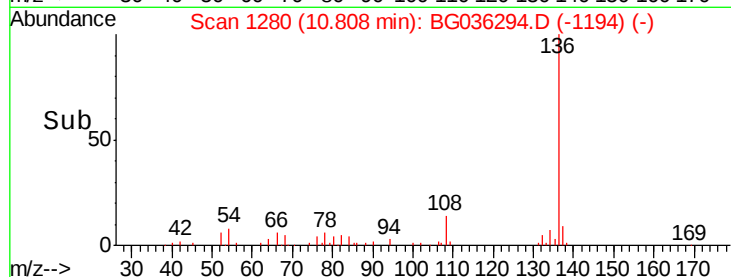
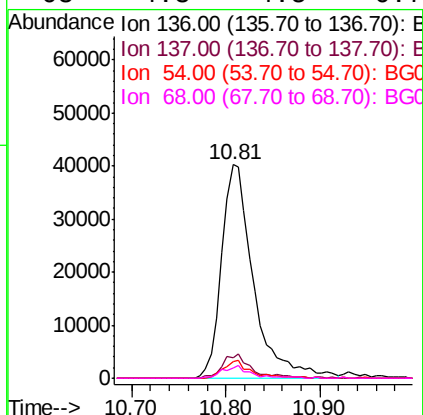
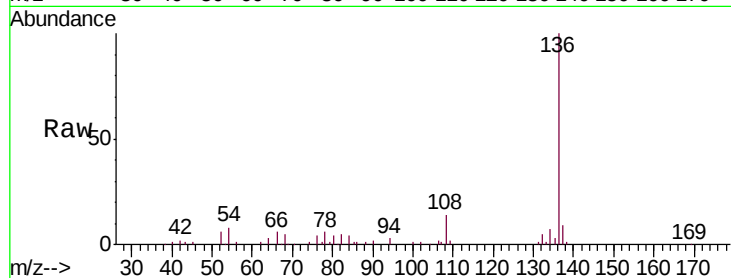




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BG036294.D
Acq: 11 Aug 2018 9:11

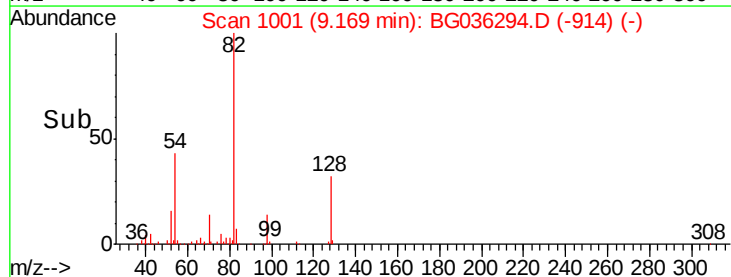
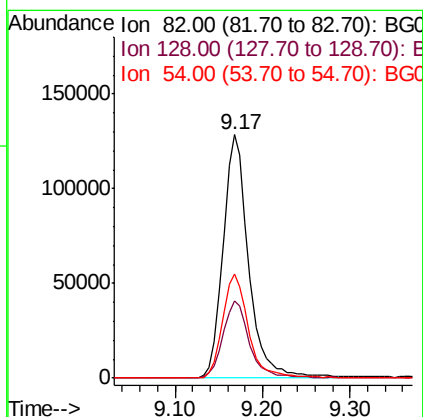
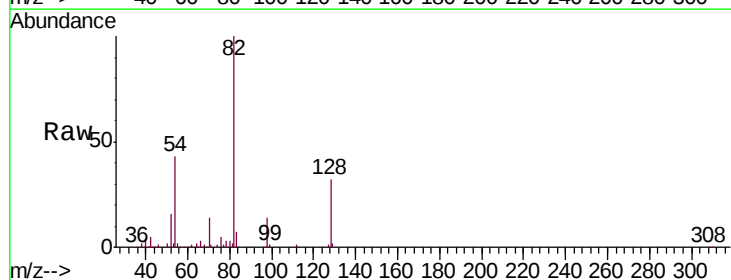
Instrument :
BNA_G
ClientSampleId :
HD-01-080918

Tgt Ion:	136	Resp:	95379
Ion	Ratio	Lower	Upper
136	100		
137	9.5	9.2	13.8
54	8.0	10.3	15.5#
68	4.8	4.5	6.7



#23
Nitrobenzene-d5
Concen: 113.329 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036294.D
Acq: 11 Aug 2018 9:11

Tgt Ion:	82	Resp:	258751
Ion	Ratio	Lower	Upper
82	100		
128	32.0	29.7	44.5
54	43.0	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036294.D

Acq: 11 Aug 2018 9:11

Instrument :

BNA_G

ClientSampleId :

HD-01-080918

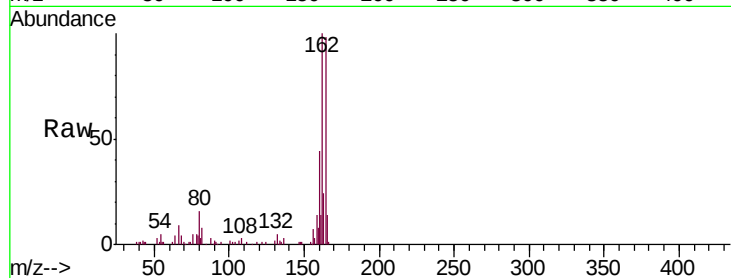
Tgt Ion:164 Resp: 65724

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

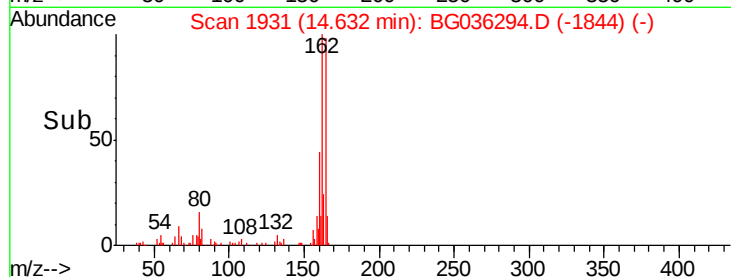
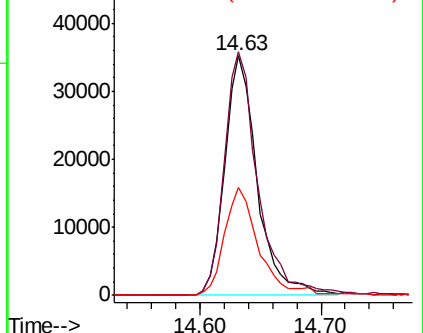
160 45.1 35.4 53.0



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: 154.656 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036294.D

Acq: 11 Aug 2018 9:11

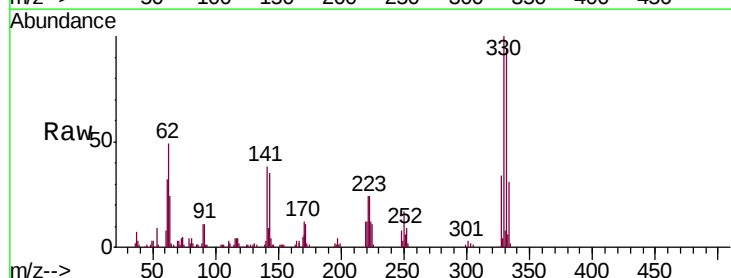
Tgt Ion:330 Resp: 133976

Ion Ratio Lower Upper

330 100

332 99.4 77.0 115.6

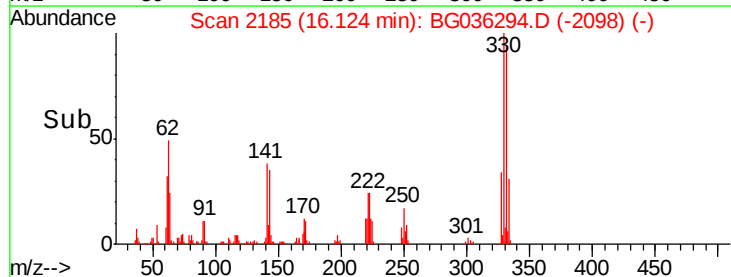
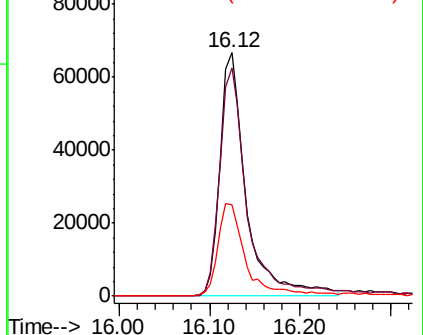
141 38.9 25.2 37.8#

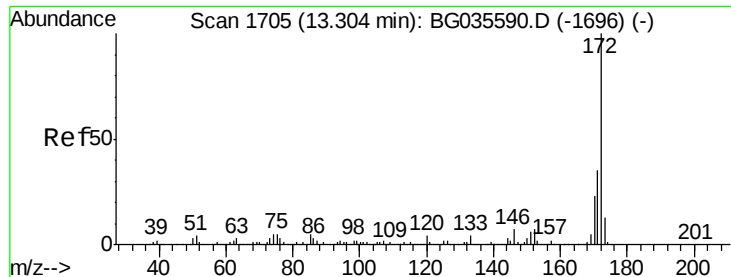


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

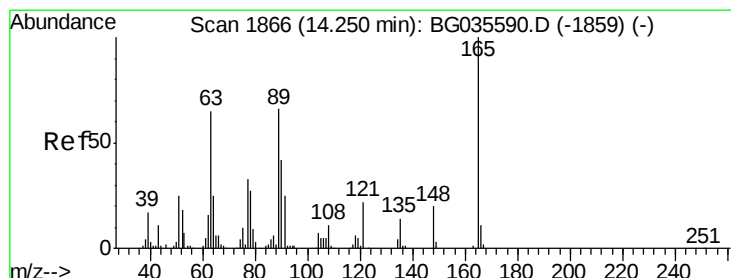
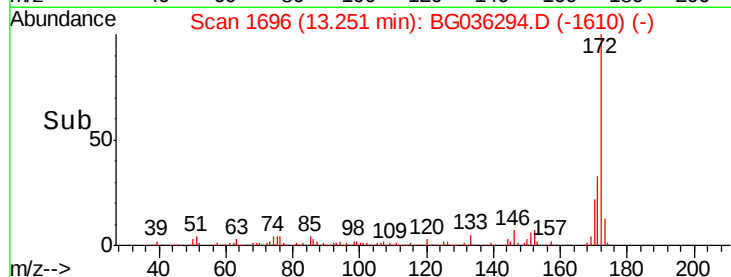
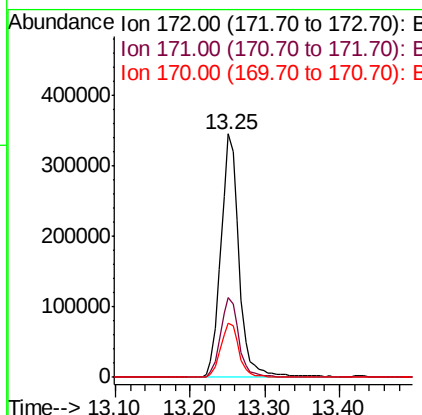
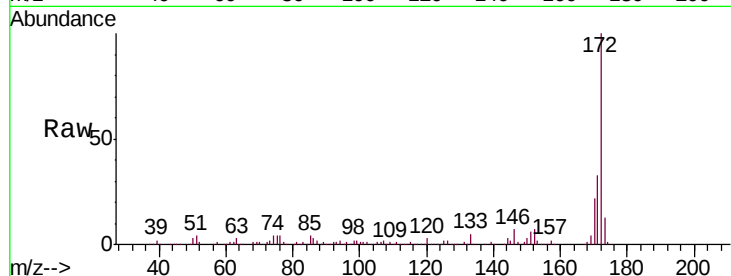




#44
 2-Fluorobiphenyl
 Concen: 119.797 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036294.D
 Acq: 11 Aug 2018 9:11

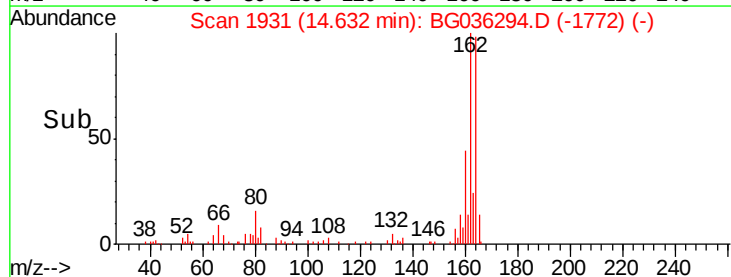
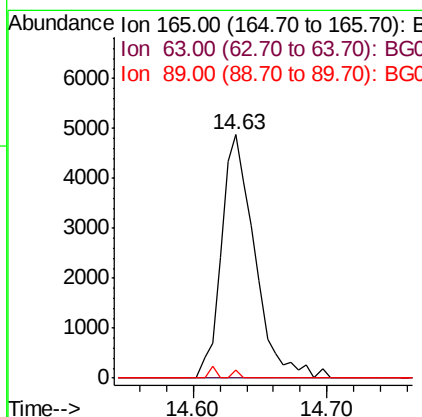
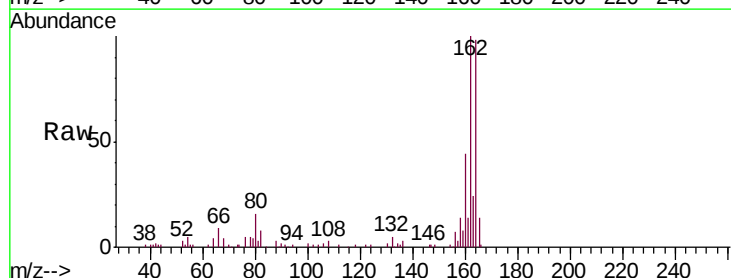
Instrument :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	30.0	45.0
170	22.1	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.273 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036294.D
 Acq: 11 Aug 2018 9:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.5	49.2	73.8#

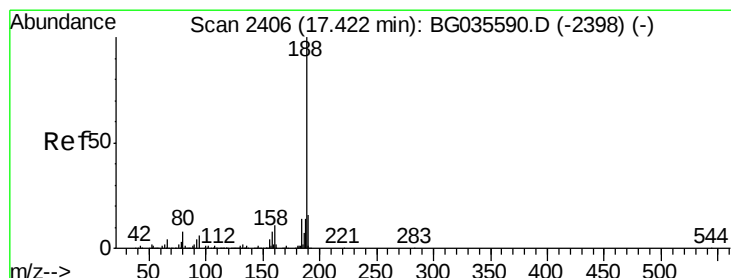
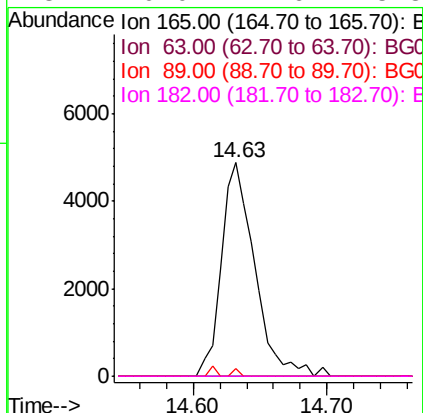
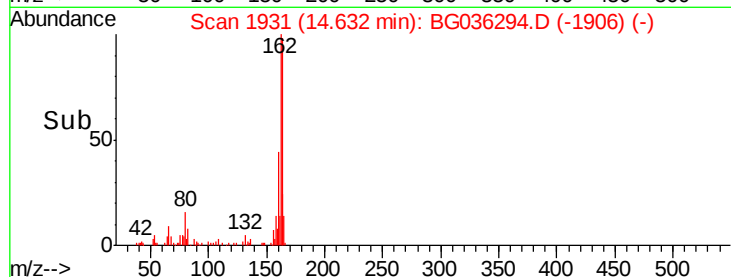
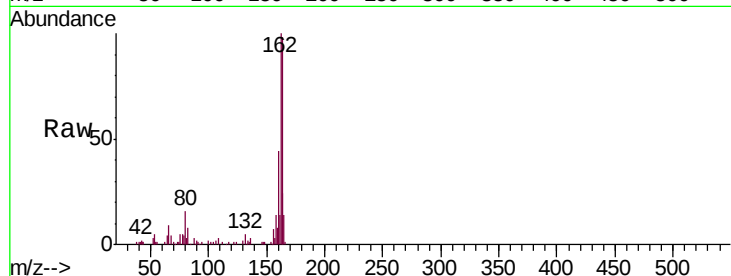




#56
 2,4-Dinitrotoluene
 Concen: 5.069 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.38 min
 Lab File: BG036294.D
 Acq: 11 Aug 2018 9:11

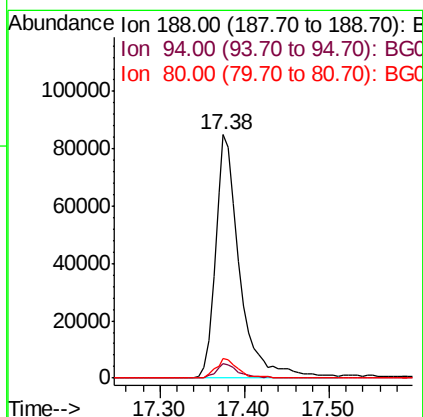
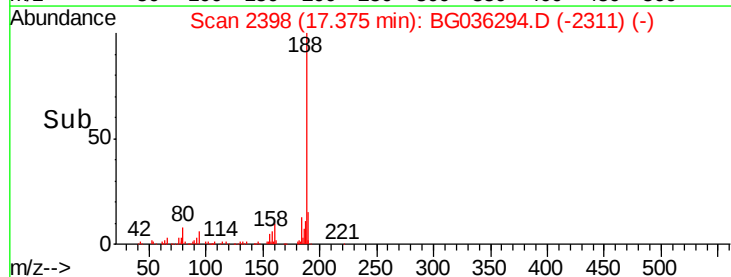
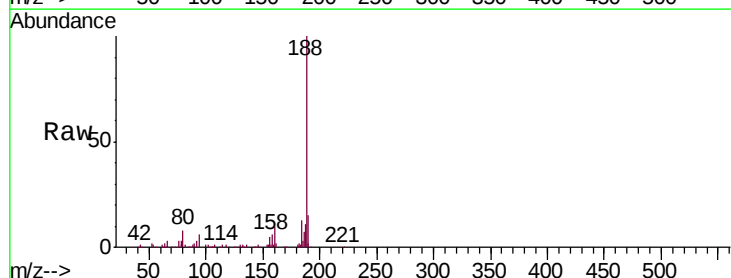
Instrument :
 BNA_G
 ClientSampleId :
 HD-01-080918

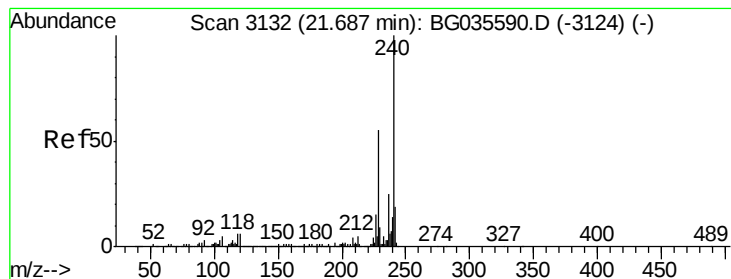
Tgt Ion:165 Resp: 8528
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.5 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2398
 Delta R.T. -0.02 min
 Lab File: BG036294.D
 Acq: 11 Aug 2018 9:11

Tgt Ion:188 Resp: 170014
 Ion Ratio Lower Upper
 188 100
 94 5.7 6.9 10.3#
 80 8.1 7.7 11.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BG036294.D

Acq: 11 Aug 2018 9:11

Instrument :

BNA_G

ClientSampleId :

HD-01-080918

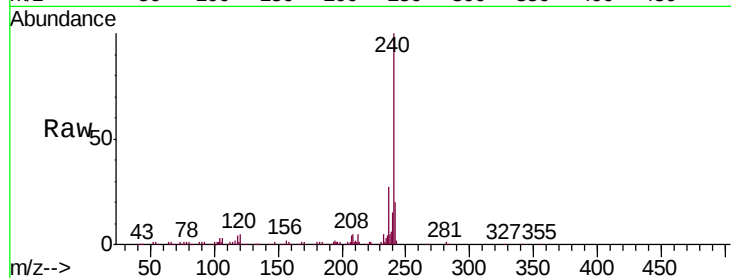
Tgt Ion:240 Resp: 178753

Ion Ratio Lower Upper

240 100

120 4.6 6.8 10.2#

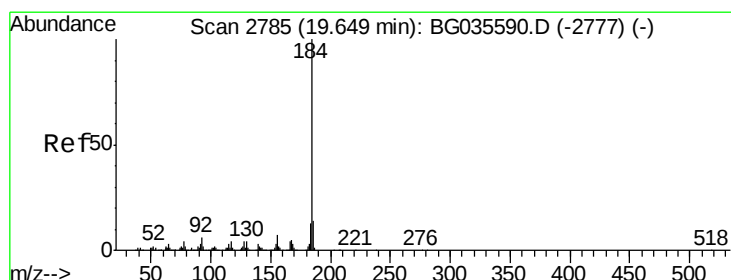
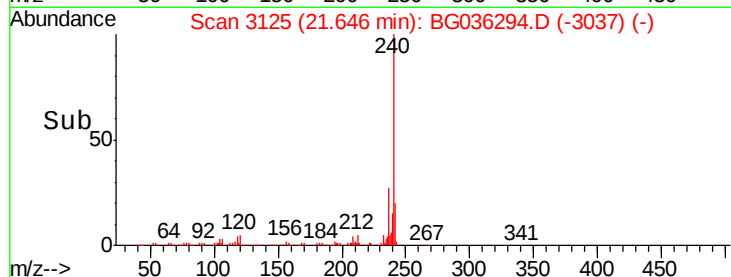
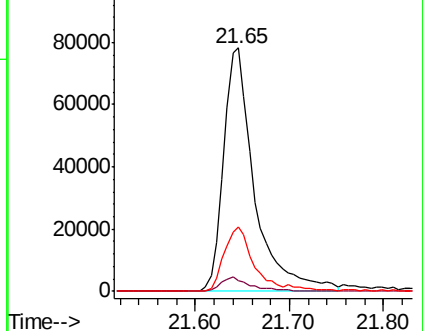
236 26.6 20.9 31.3



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: 3.989 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036294.D

Acq: 11 Aug 2018 9:11

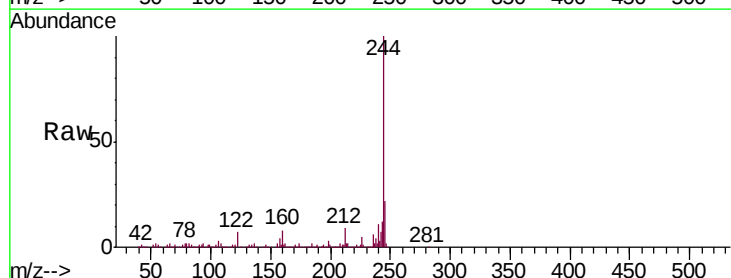
Tgt Ion:184 Resp: 18746

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

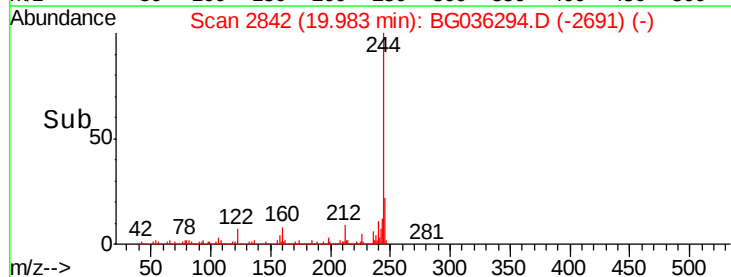
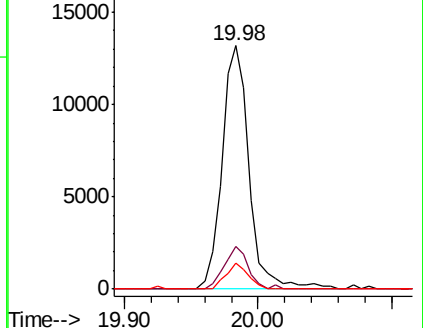
183 10.9 10.6 16.0

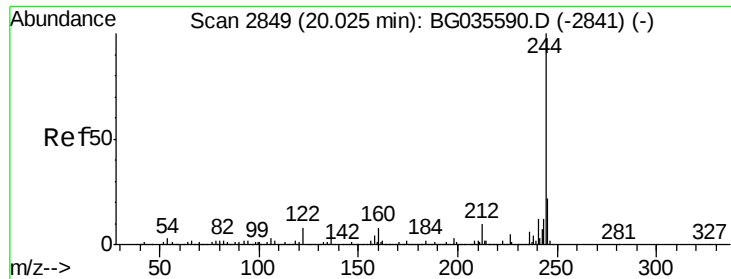


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 130.096 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036294.D

Acq: 11 Aug 2018 9:11

Instrument :

BNA_G

ClientSampleId :

HD-01-080918

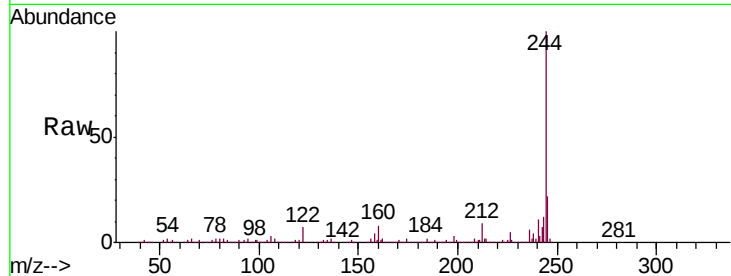
Tgt Ion:244 Resp: 1054984

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

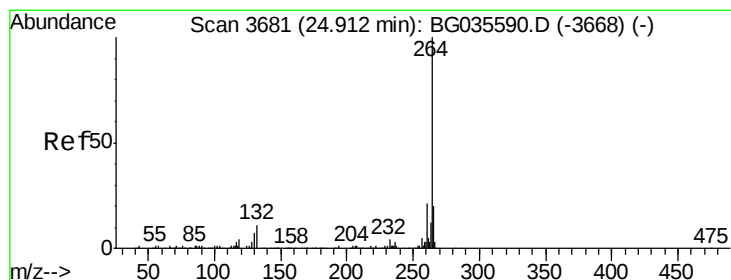
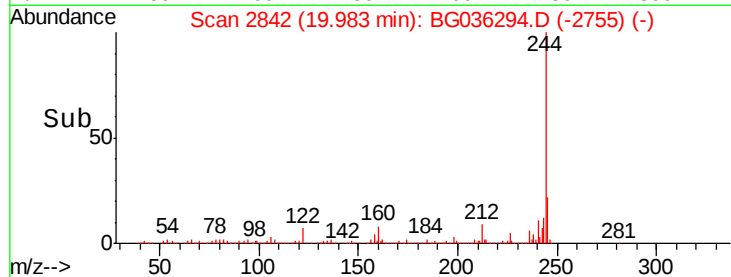
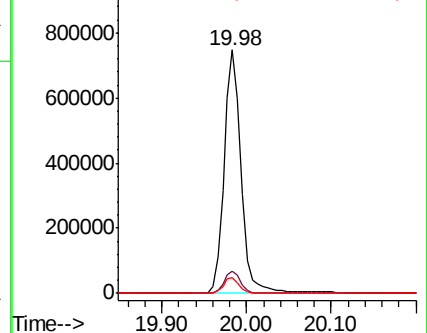
122 6.5 7.0 10.4#



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: 20.000 ng

RT: 24.84 min Scan# 3668

Delta R.T. -0.02 min

Lab File: BG036294.D

Acq: 11 Aug 2018 9:11

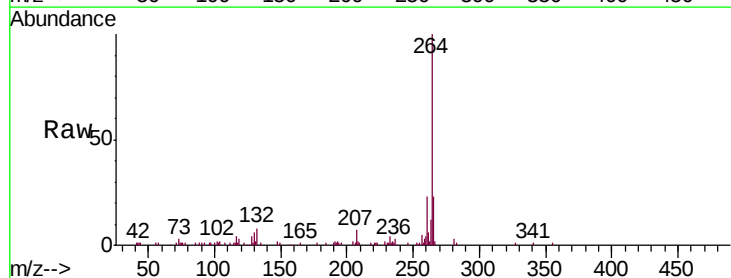
Tgt Ion:264 Resp: 147645

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 23.1 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

