

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
 Data File : BG039288.D
 Acq On : 25 Jan 2019 21:19
 Operator : JU/SJ
 Sample : K1228-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Quant Time: Jan 28 03:14:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

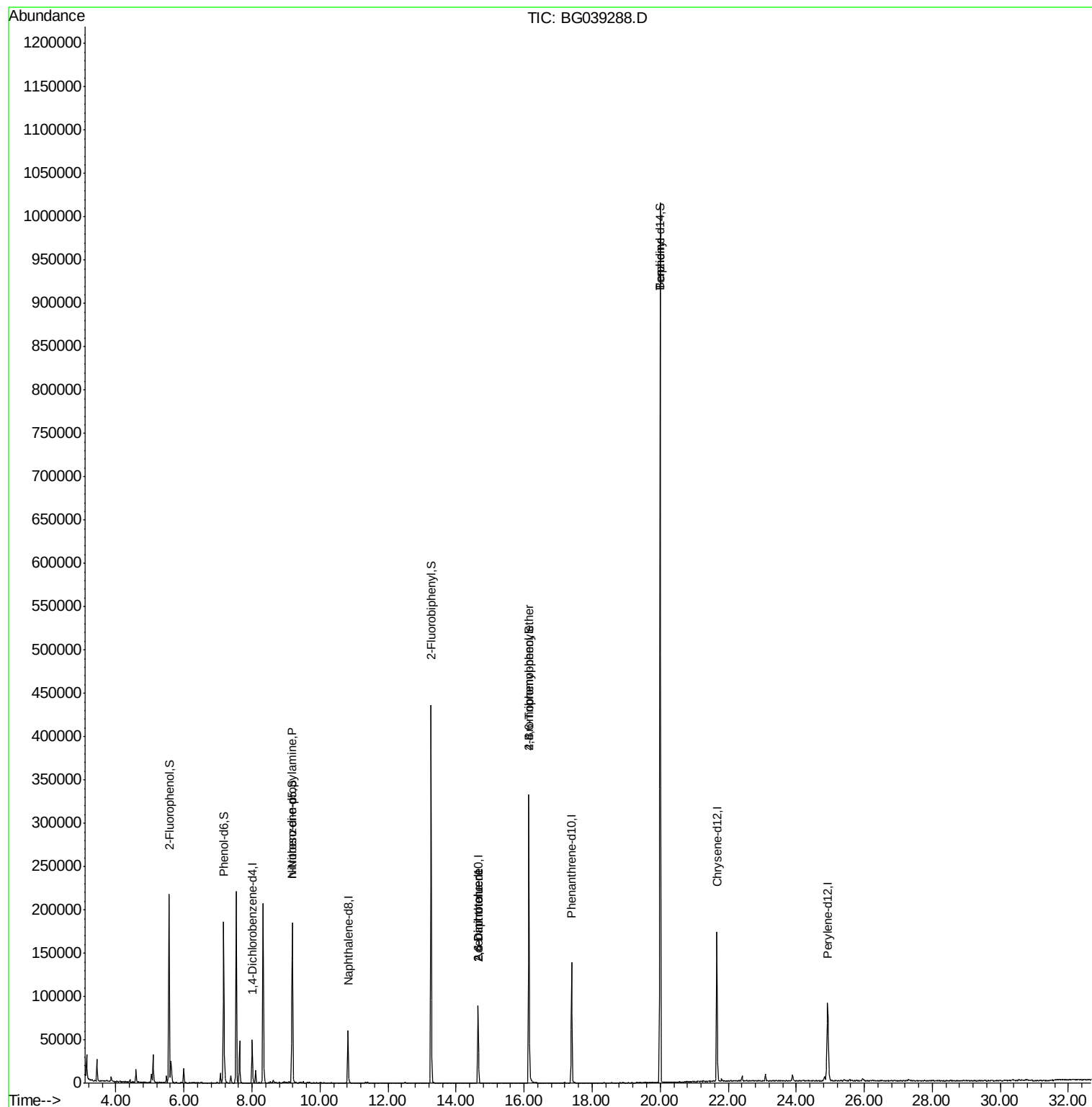
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	15553	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	55354	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	34573	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	96018	20.00	ng	0.00
76) Chrysene-d12	21.67	240	115742	20.00	ng	-0.02
87) Perylene-d12	24.92	264	119185	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	98160	119.72	ng	0.00
7) Phenol-d6	7.17	99	106316	90.10	ng	0.00
23) Nitrobenzene-d5	9.18	82	117844	116.49	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	76169	131.43	ng	-0.02
45) 2-Fluorobiphenyl	13.26	172	239895	94.96	ng	0.00
79) Terphenyl-d14	20.00	244	526251	84.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	14889	19.216	ng	# 65
51) 2,6-Dinitrotoluene	14.65	165	4569	6.995	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	4569	4.876	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	4780	3.873	ng	# 1
77) Benzidine	20.00	184	8006	2.262	ng	# 90

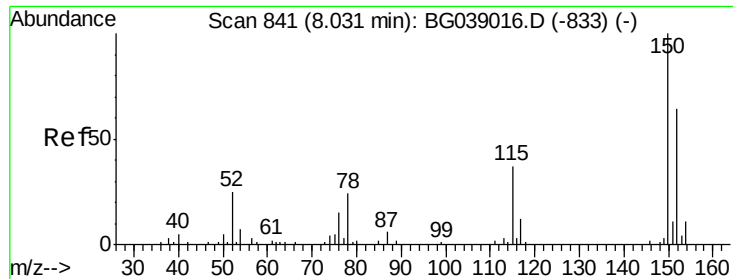
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
Data File : BG039288.D
Acq On : 25 Jan 2019 21:19
Operator : JU/SJ
Sample : K1228-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP-1

Quant Time: Jan 28 03:14:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 18 04:20:14 2019
Response via : Initial Calibration



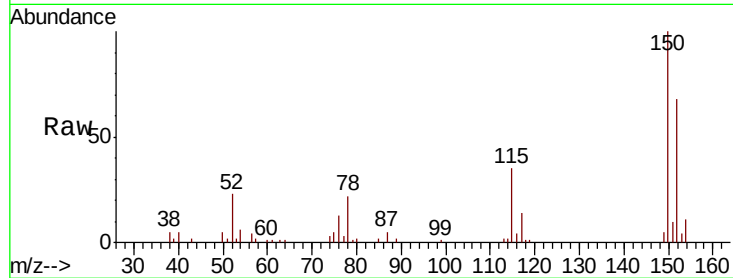


#1

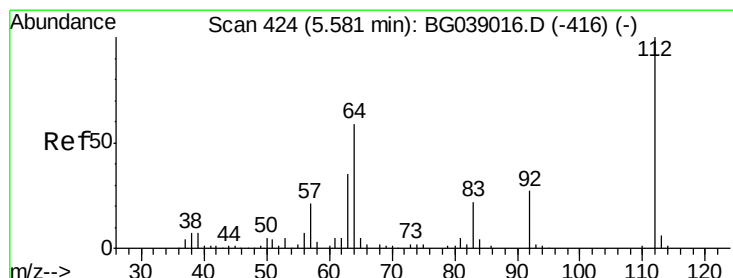
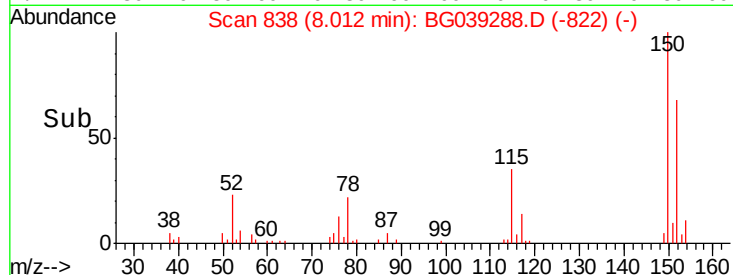
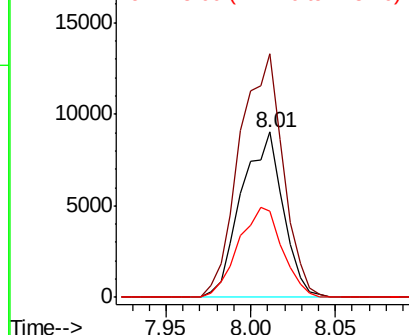
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG039288.D
Acq: 25 Jan 2019 21:19

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:152 Resp: 15553
Ion Ratio Lower Upper
152 100
150 147.2 124.7 187.1
115 52.0 46.5 69.7



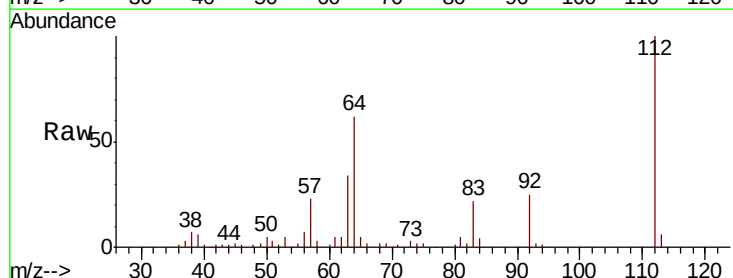
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



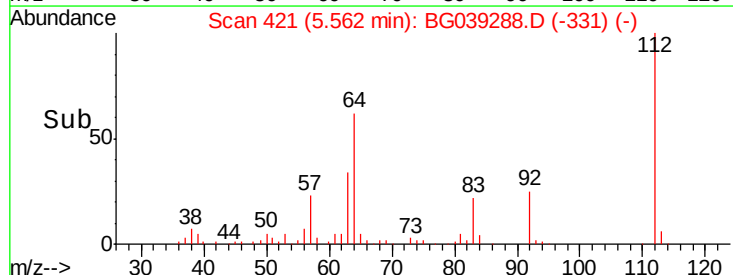
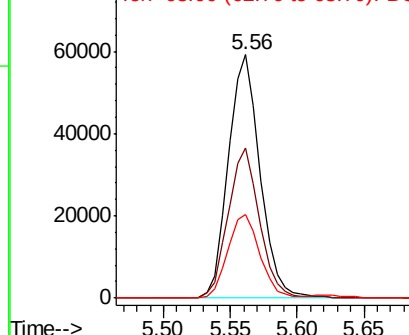
#5

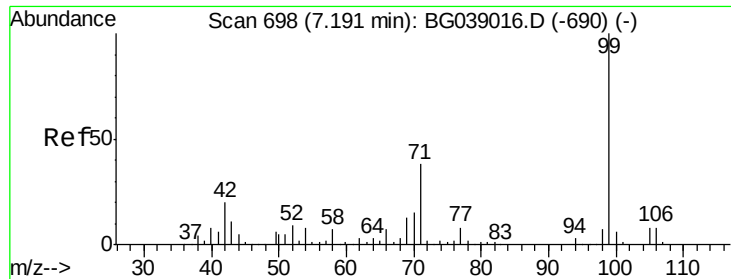
2-Fluorophenol
Concen: 119.725 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG039288.D
Acq: 25 Jan 2019 21:19

Tgt Ion:112 Resp: 98160
Ion Ratio Lower Upper
112 100
64 61.9 47.0 70.6
63 34.2 28.0 42.0



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: 90.105 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039288.D

Acq: 25 Jan 2019 21:19

Instrument :

BNA_G

ClientSampleId :

COMP-1

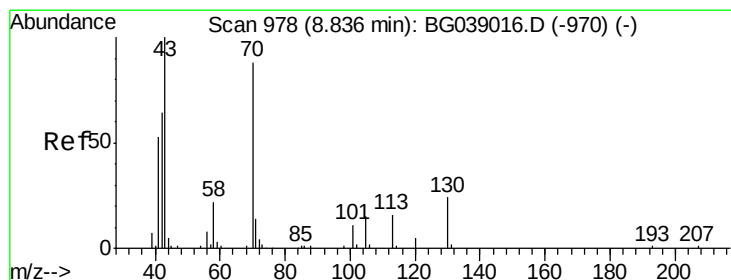
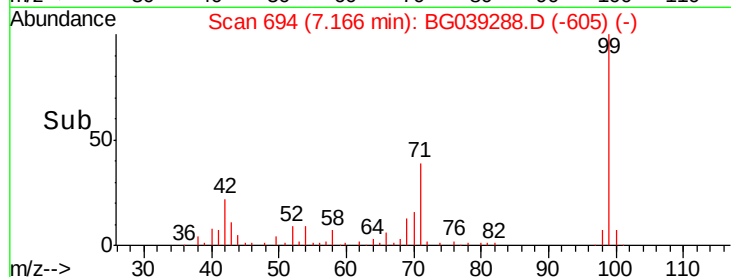
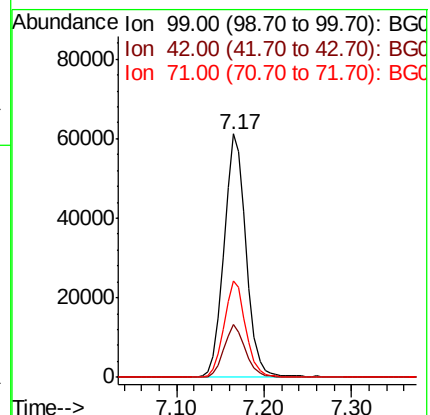
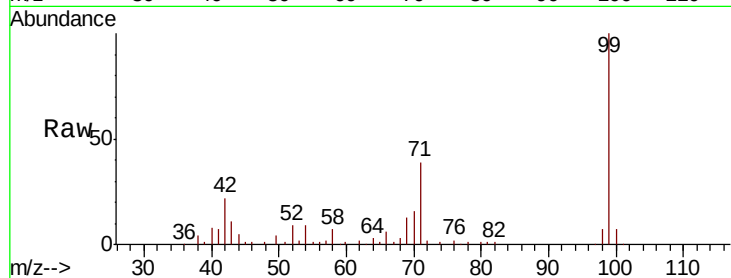
Tgt Ion: 99 Resp: 106316

Ion Ratio Lower Upper

99 100

42 21.5 15.8 23.6

71 39.4 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 19.216 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG039288.D

Acq: 25 Jan 2019 21:19

Tgt Ion: 70 Resp: 14889

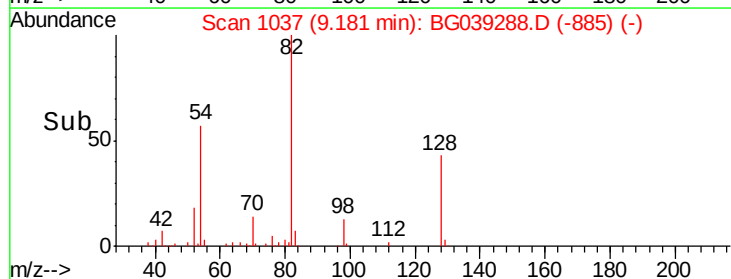
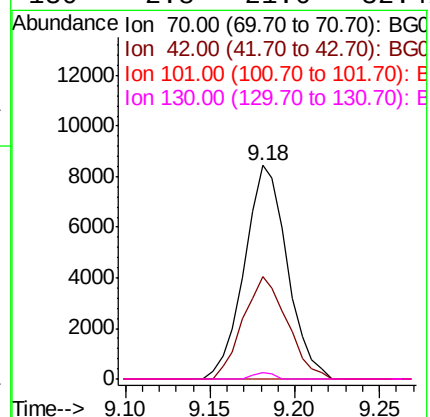
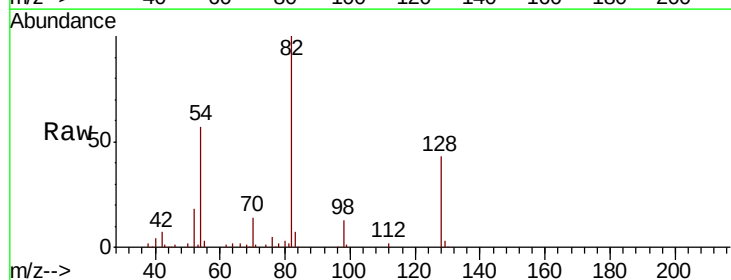
Ion Ratio Lower Upper

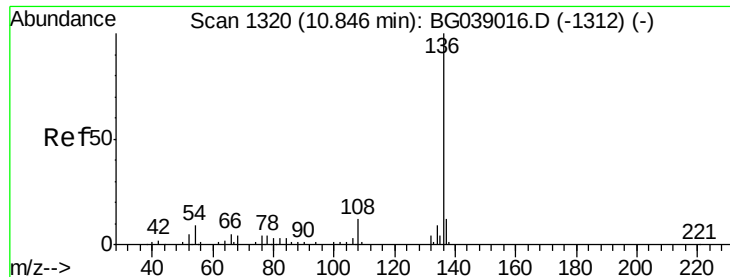
70 100

42 48.0 59.0 88.4#

101 0.0 10.4 15.6#

130 2.8 21.6 32.4#

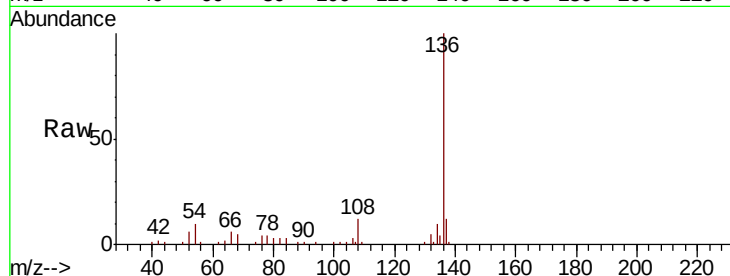




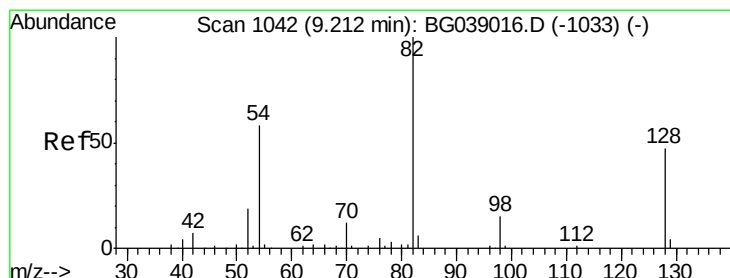
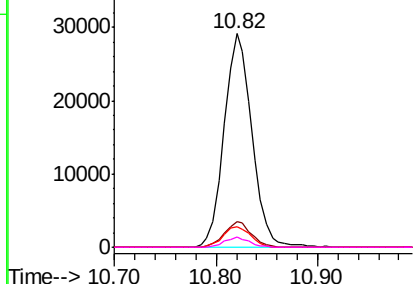
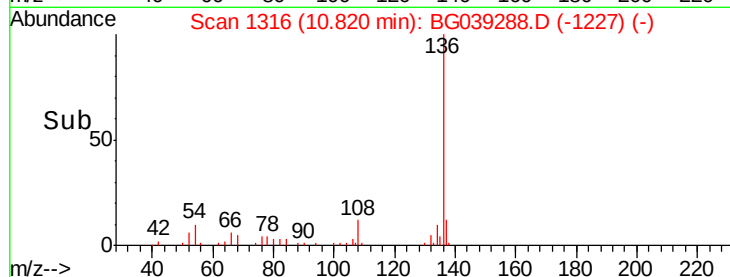
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039288.D
Acq: 25 Jan 2019 21:19

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:	136	Resp:	55354
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.4	14.2
54	9.9	7.2	10.8
68	4.9	3.5	5.3

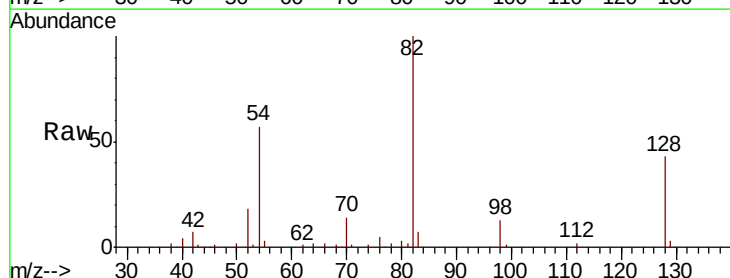


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

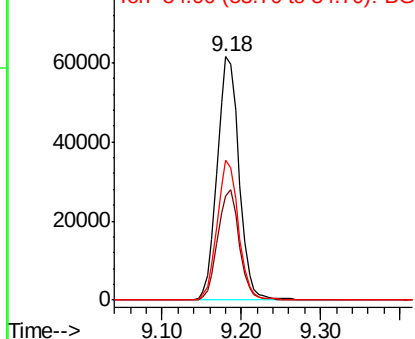
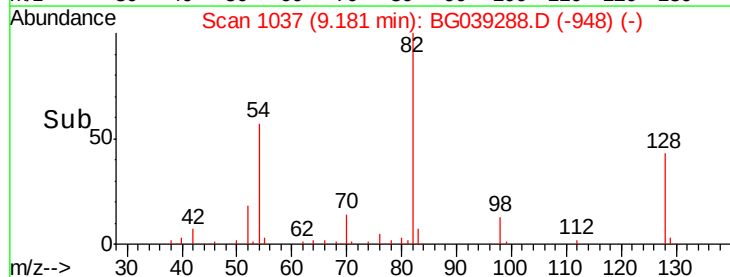


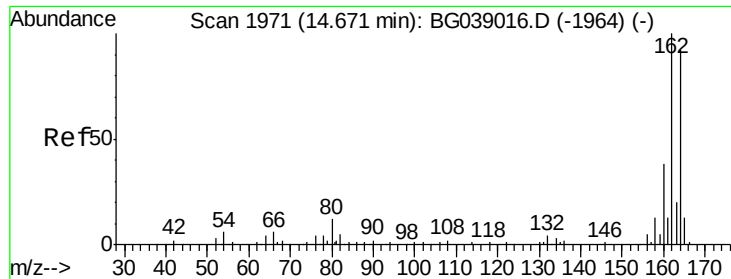
#23
Nitrobenzene-d5
Concen: 116.493 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG039288.D
Acq: 25 Jan 2019 21:19

Tgt Ion:	82	Resp:	117844
Ion	Ratio	Lower	Upper
82	100		
128	43.0	37.3	55.9
54	57.2	46.4	69.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039288.D

Acq: 25 Jan 2019 21:19

Instrument :

BNA_G

ClientSampled :

COMP-1

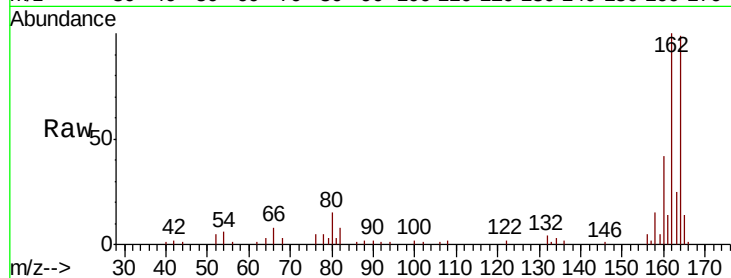
Tgt Ion:164 Resp: 34573

Ion Ratio Lower Upper

164 100

162 101.5 87.2 130.8

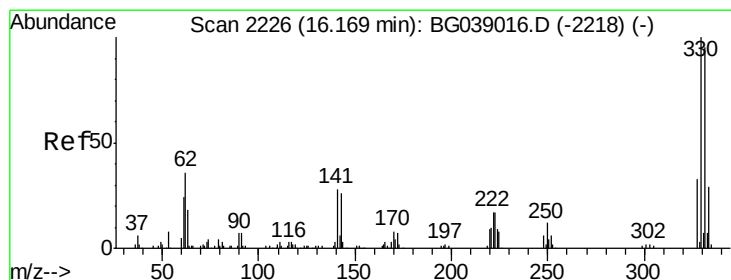
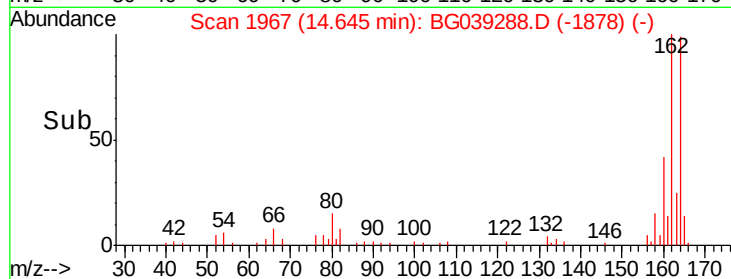
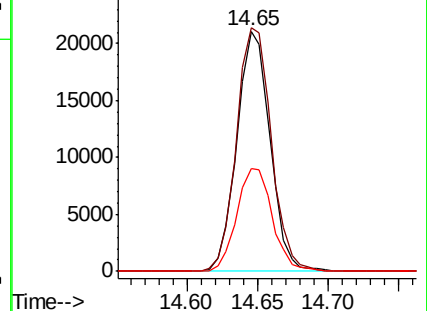
160 42.7 33.3 49.9



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



#42

2,4,6-Tribromophenol

Concen: 131.430 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BG039288.D

Acq: 25 Jan 2019 21:19

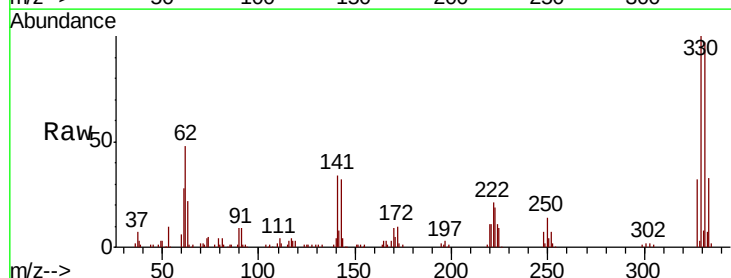
Tgt Ion:330 Resp: 76169

Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

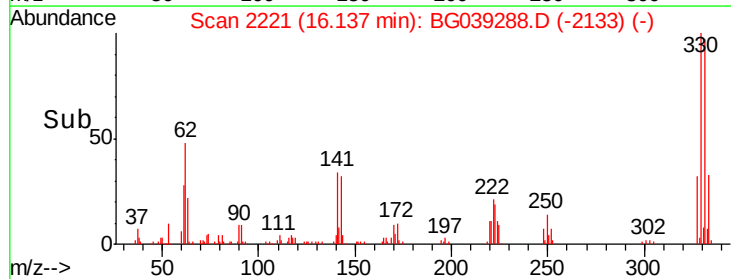
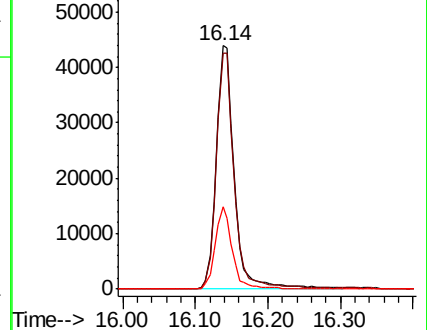
141 32.0 24.9 37.3

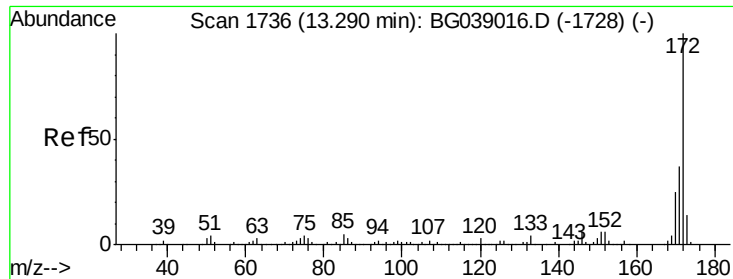


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

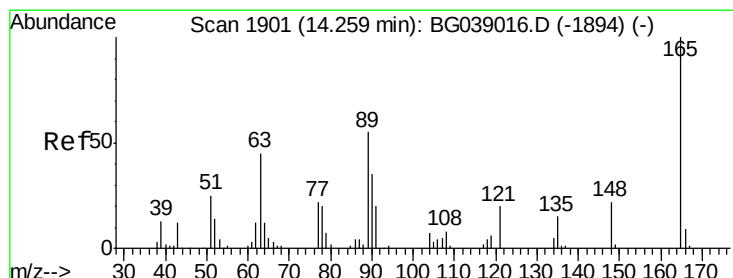
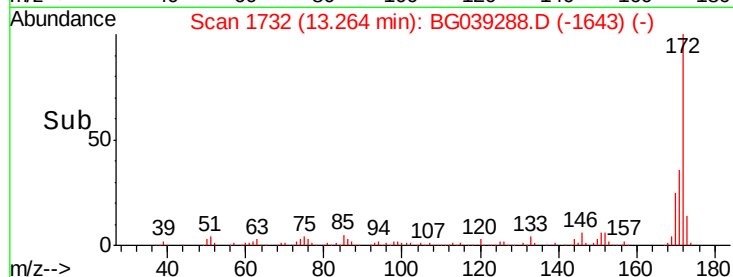
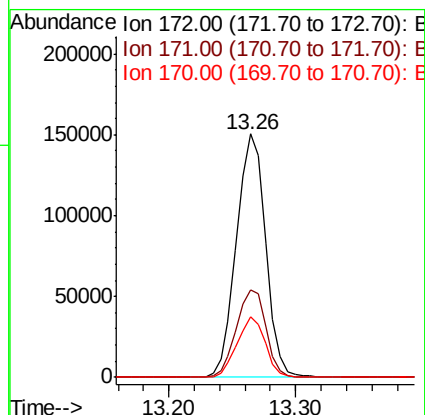
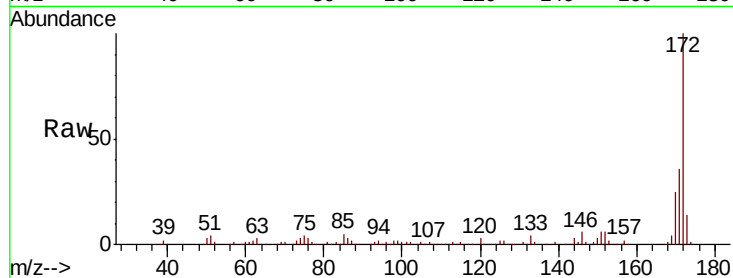




#45
 2-Fluorobiphenyl
 Concen: 94.962 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039288.D
 Acq: 25 Jan 2019 21:19

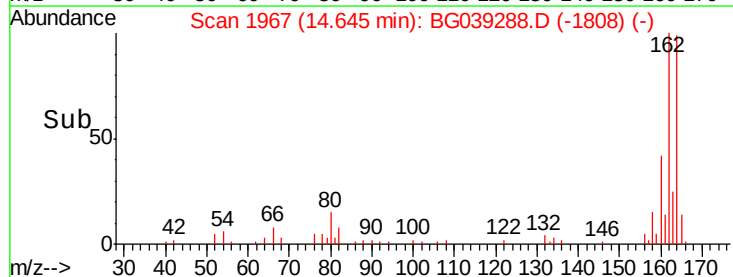
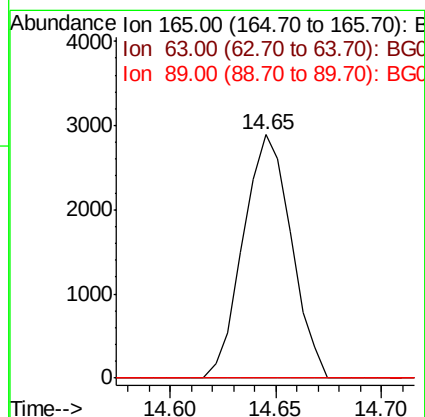
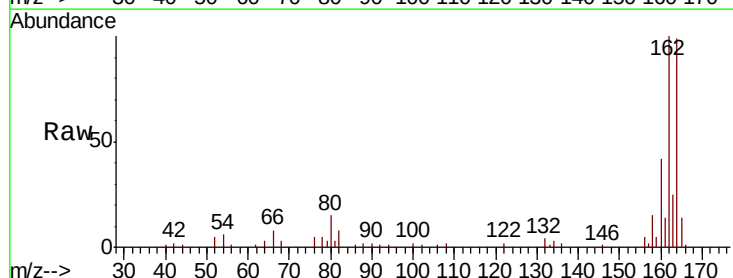
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

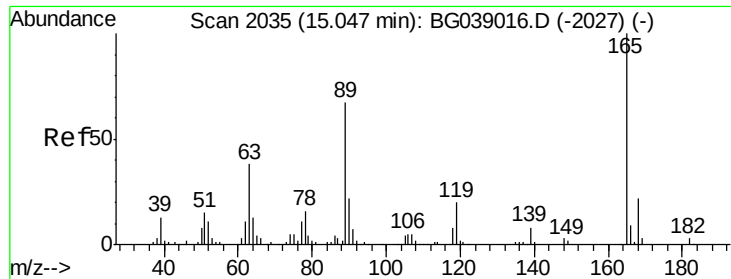
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.9	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.995 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039288.D
 Acq: 25 Jan 2019 21:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#





#57

2,4-Dinitrotoluene

Concen: 4.876 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.39 min

Lab File: BG039288.D

Acq: 25 Jan 2019 21:19

Instrument :

BNA_G

ClientSampleId :

COMP-1

Tgt Ion:165 Resp: 4569

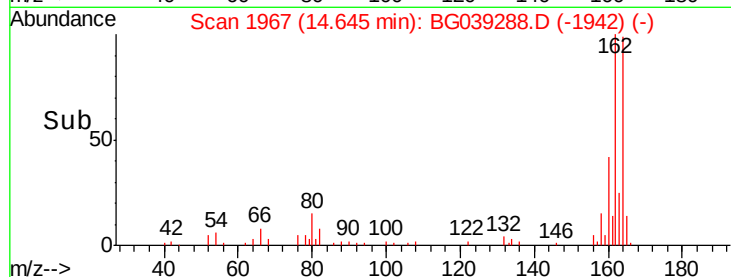
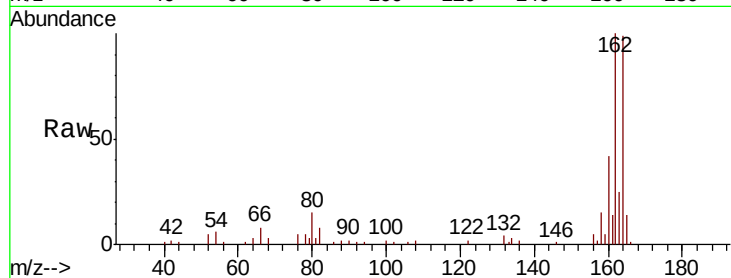
Ion Ratio Lower Upper

165 100

63 0.0 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#

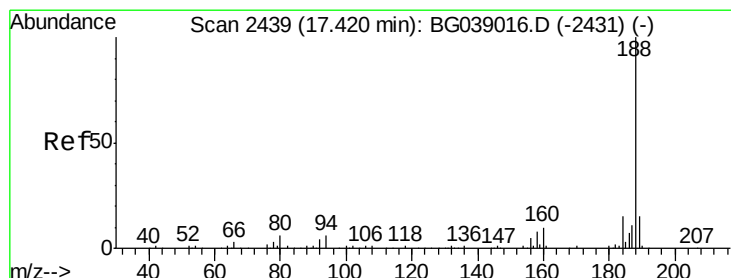
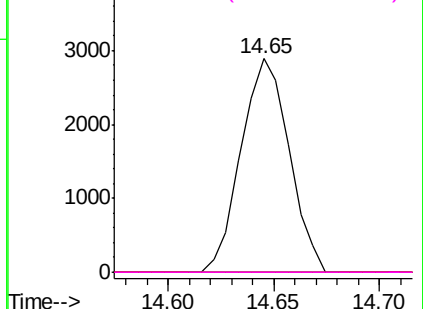


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG039288.D

Acq: 25 Jan 2019 21:19

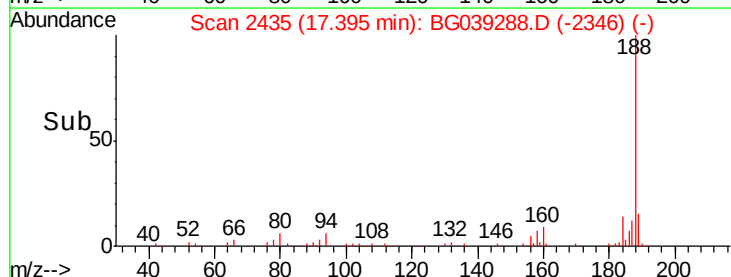
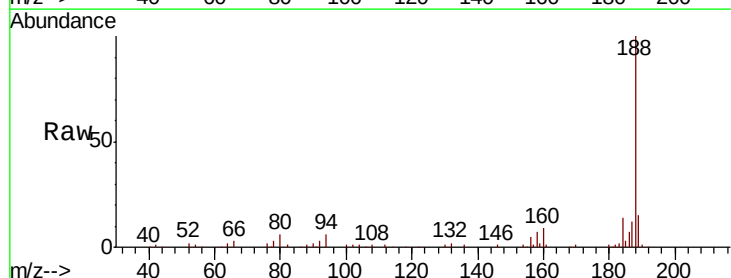
Tgt Ion:188 Resp: 96018

Ion Ratio Lower Upper

188 100

94 5.5 5.0 7.4

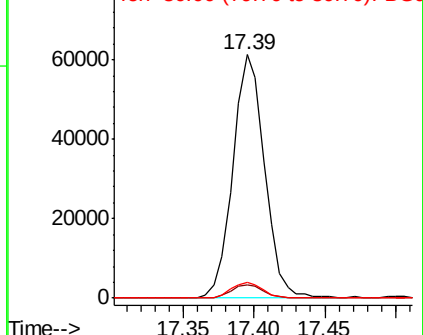
80 6.3 4.7 7.1

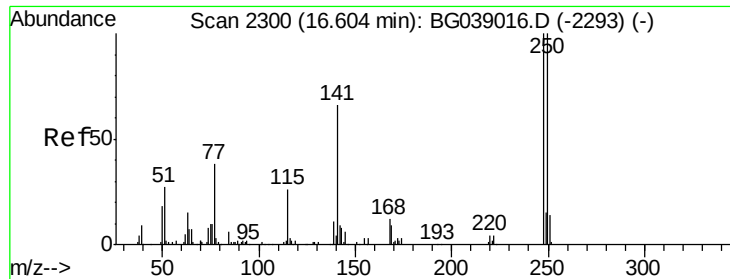


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

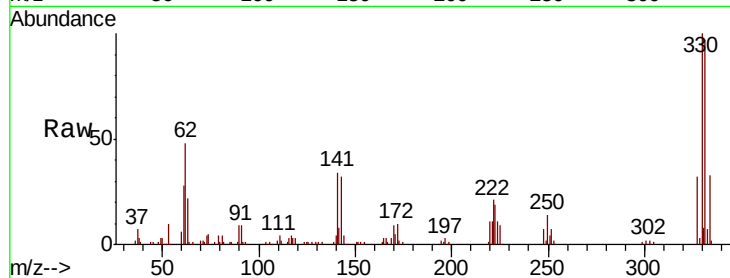




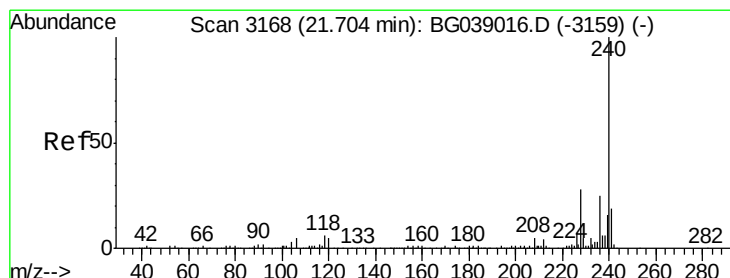
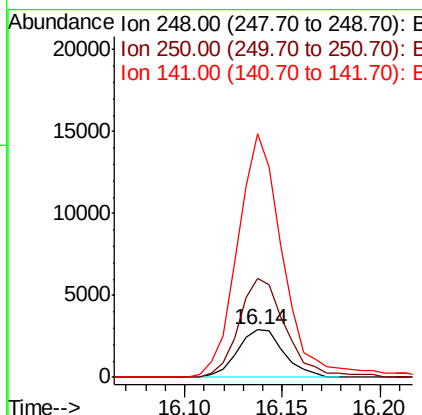
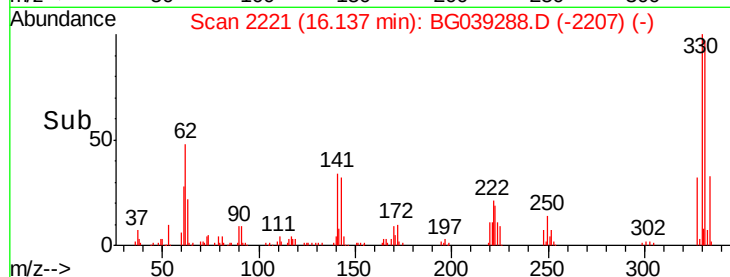
#67
 4-Bromophenyl-phenylether
 Concen: 3.873 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG039288.D
 Acq: 25 Jan 2019 21:19

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Tgt Ion:248 Resp: 4780
 Ion Ratio Lower Upper
 248 100
 250 207.9 79.9 119.9#
 141 391.0 52.7 79.1#

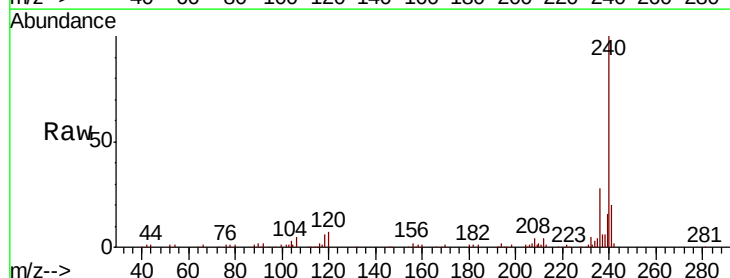


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

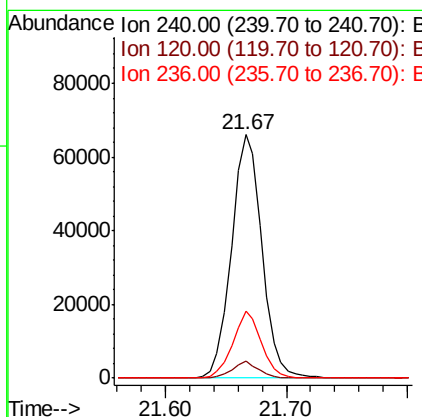
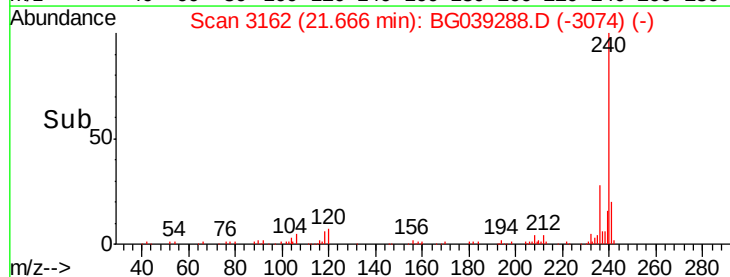


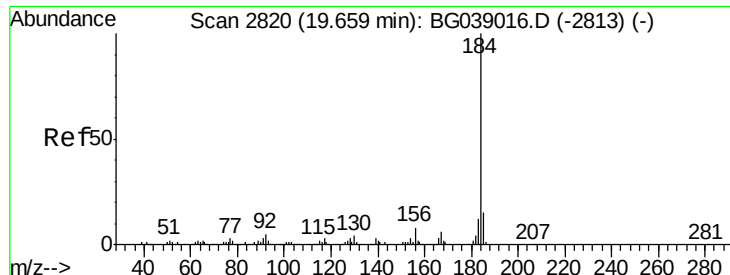
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.02 min
 Lab File: BG039288.D
 Acq: 25 Jan 2019 21:19

Tgt Ion:240 Resp: 115742
 Ion Ratio Lower Upper
 240 100
 120 6.9 4.3 6.5#
 236 27.5 20.1 30.1



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





#77

Benzidine

Concen: 2.262 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.35 min

Lab File: BG039288.D

Acq: 25 Jan 2019 21:19

Instrument :

BNA_G

ClientSampleId :

COMP-1

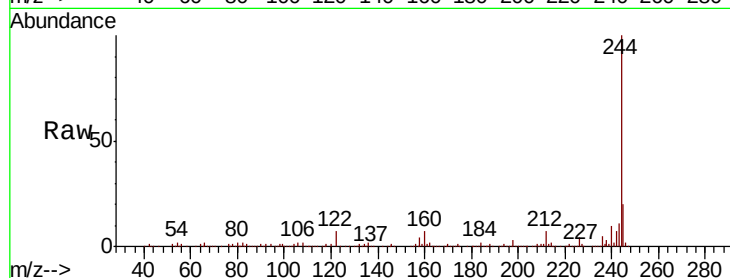
Tgt Ion:184 Resp: 8006

Ion Ratio Lower Upper

184 100

185 20.7 12.1 18.1#

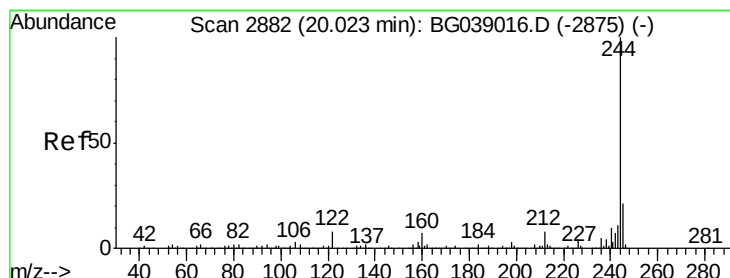
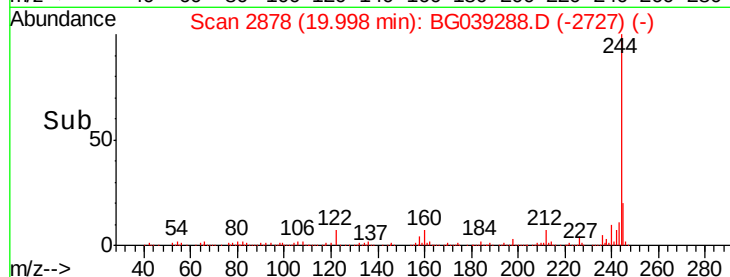
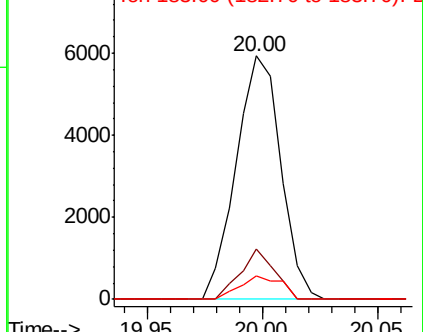
183 9.7 9.5 14.3



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



#79

Terphenyl-d14

Concen: 84.110 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039288.D

Acq: 25 Jan 2019 21:19

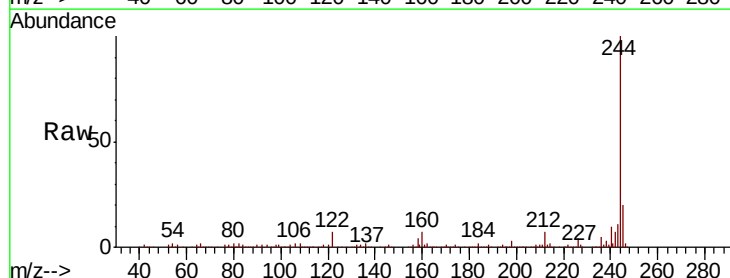
Tgt Ion:244 Resp: 526251

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

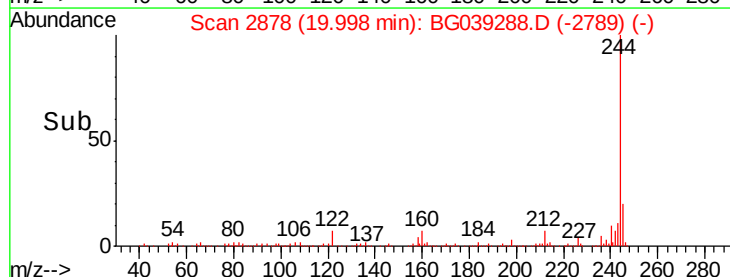
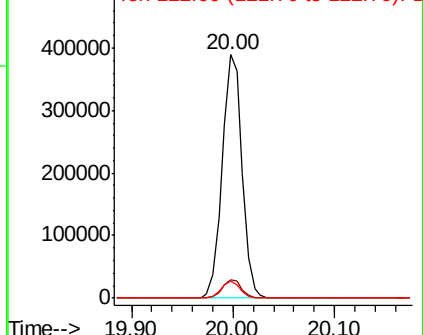
122 6.8 6.1 9.1

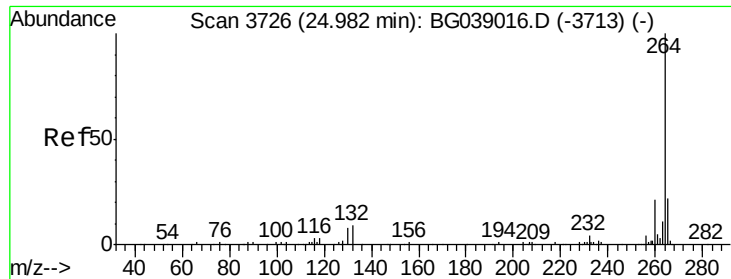


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.03 min
Lab File: BG039288.D
Acq: 25 Jan 2019 21:19

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:	264	Resp:	119185
Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.0	25.6
265	21.1	17.2	25.8

