

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111819\
 Data File : BG043674.D
 Acq On : 18 Nov 2019 15:38
 Operator : JU
 Sample : PB124785BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 01:39:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

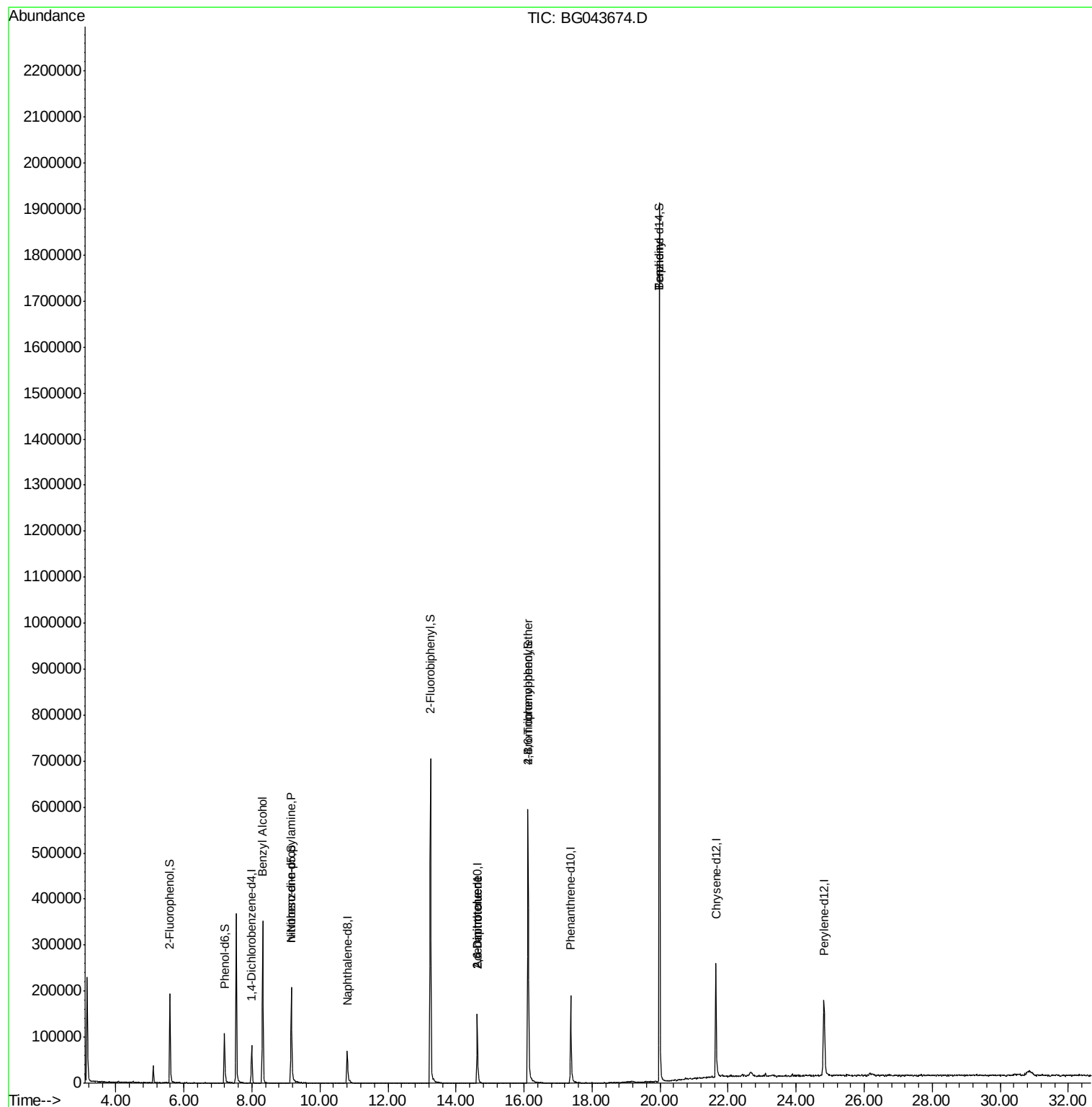
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	24948	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	87954	20.00	ng	-0.01
39) Acenaphthene-d10	14.62	164	66102	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	157635	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	190175	20.00	ng	-0.02
87) Perylene-d12	24.82	264	215802	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	94401	69.34	ng	0.00
7) Phenol-d6	7.19	99	79113	40.39	ng	0.00
23) Nitrobenzene-d5	9.16	82	155924	91.40	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	151392	120.35	ng	-0.02
45) 2-Fluorobiphenyl	13.25	172	448905	93.84	ng	-0.02
79) Terphenyl-d14	19.98	244	1034953	102.10	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.31	79	2962	2.153	ng	# 57
19) n-Nitroso-di-n-propylamine	9.16	70	22348	17.656	ng	# 81
51) 2,6-Dinitrotoluene	14.62	165	8120	7.300	ng	# 22
57) 2,4-Dinitrotoluene	14.62	165	8120	5.108	ng	# 25
67) 4-Bromophenyl-phenylether	16.12	248	10105	4.763	ng	# 1
77) Benzidine	19.98	184	15477	4.044	ng	# 92

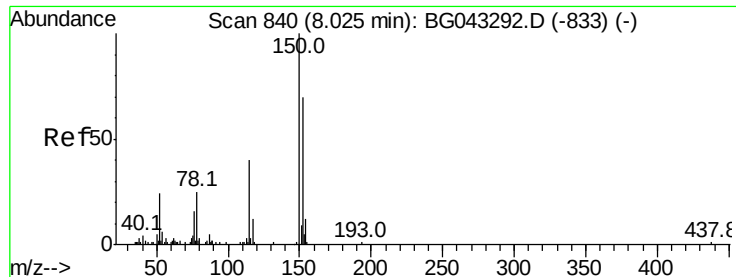
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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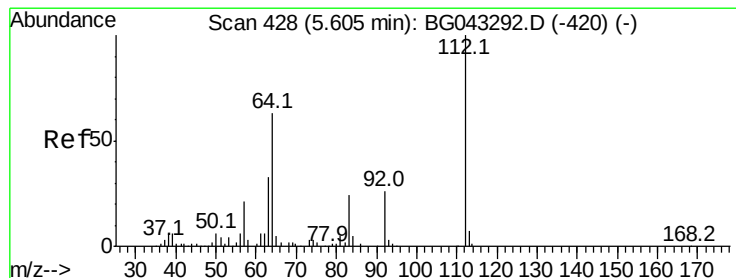
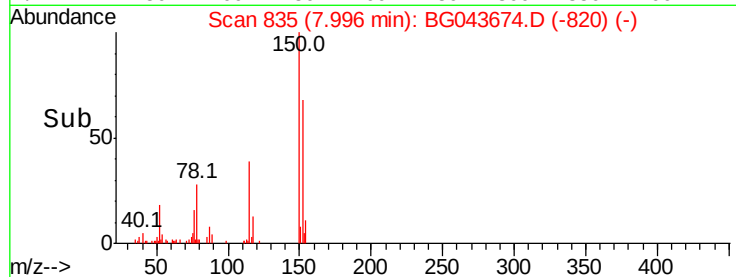
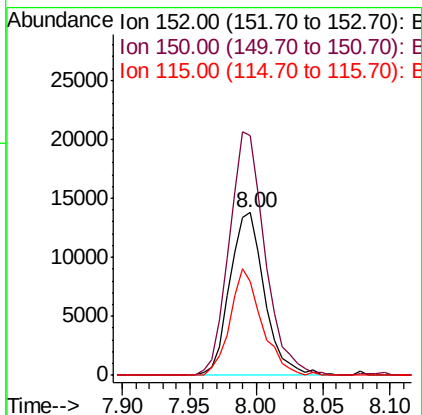
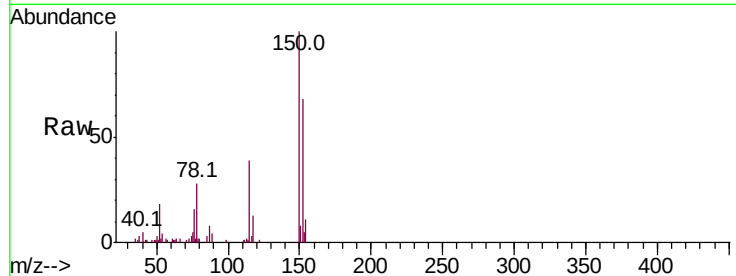


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043674.D
Acq: 18 Nov 2019 15:38

Instrument :
BNA_G
ClientSampled :

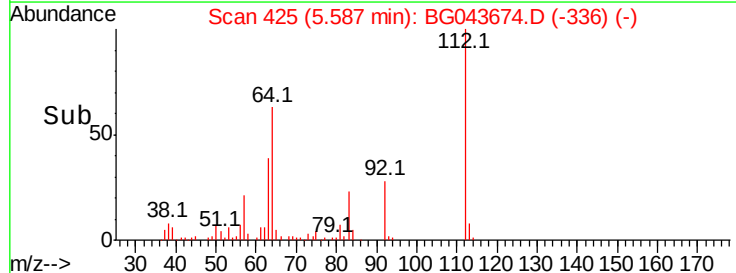
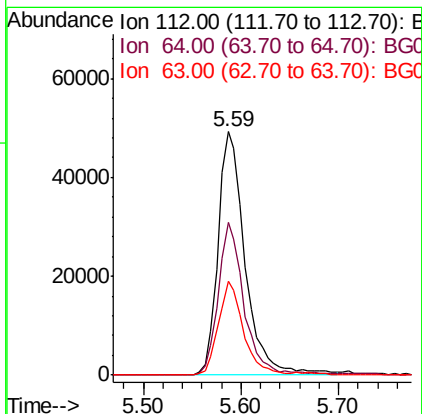
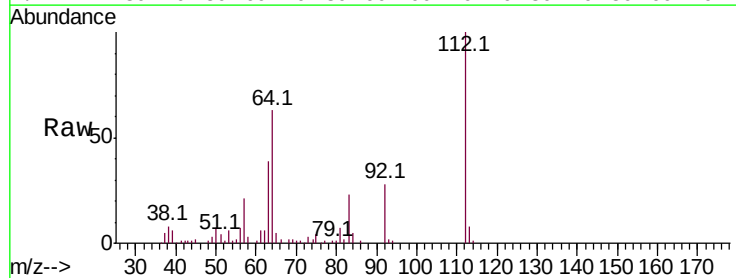
Tot Ion:152 Resp: 24948
Ion Ratio Lower Upper
152 100
150 147.8 129.4 194.0
115 58.0 48.8 73.2

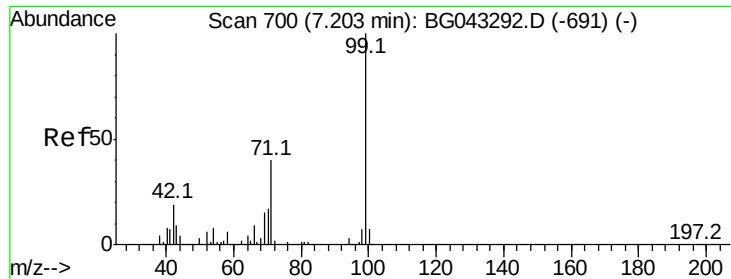


#5

2-Fluorophenol
Concen: 69.338 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.01 min
Lab File: BG043674.D
Acq: 18 Nov 2019 15:38

Tgt Ion:112 Resp: 94401
Ion Ratio Lower Upper
112 100
64 62.5 50.0 75.0
63 38.7 26.6 40.0





#7

Phenol-d6

Concen: 40.388 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043674.D

Acq: 18 Nov 2019 15:38

Instrument :

BNA_G

ClientSampleId :

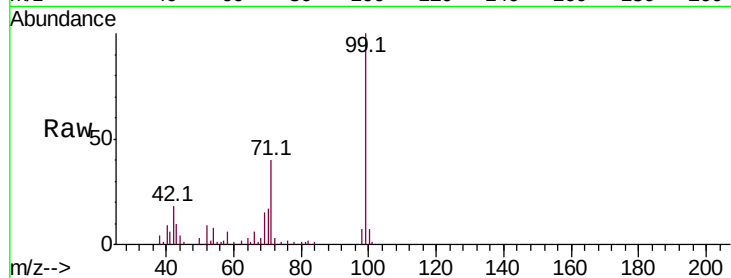
Tot Ion: 99 Resp: 79113

Ion Ratio Lower Upper

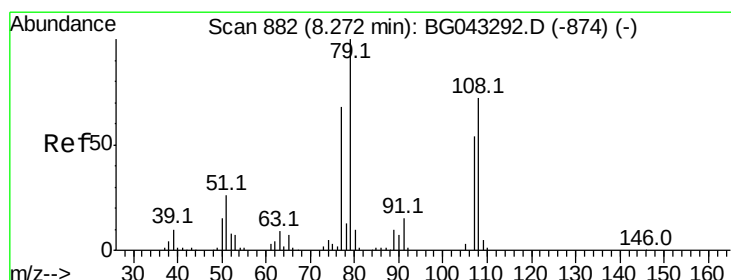
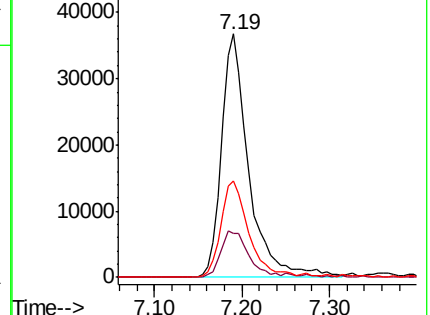
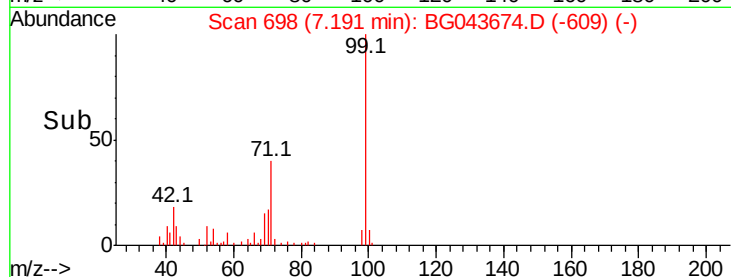
99 100

42 17.8 14.6 21.8

71 39.8 32.5 48.7



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



#15

Benzyl Alcohol

Concen: 2.153 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.06 min

Lab File: BG043674.D

Acq: 18 Nov 2019 15:38

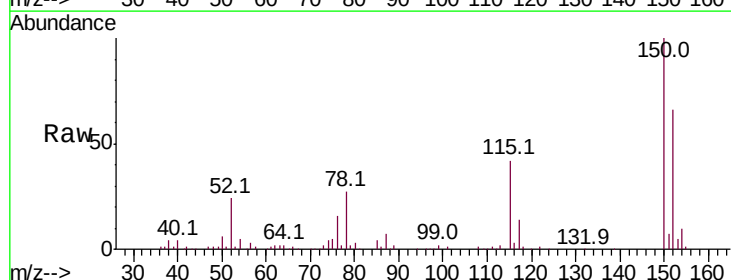
Tgt Ion: 79 Resp: 2962

Ion Ratio Lower Upper

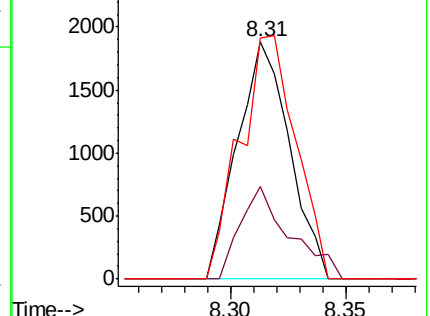
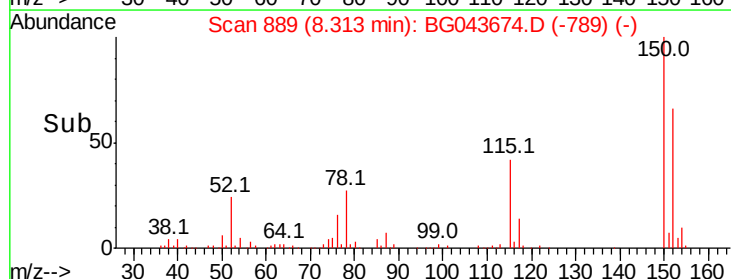
79 100

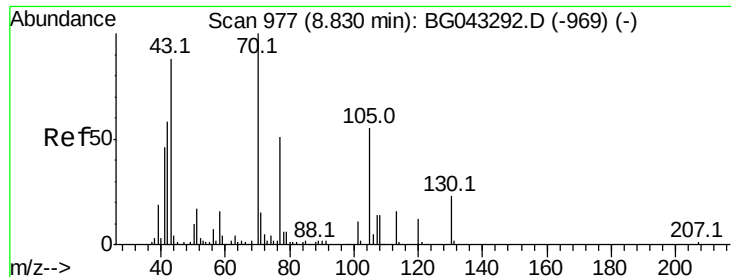
108 39.2 53.6 80.4#

77 101.3 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

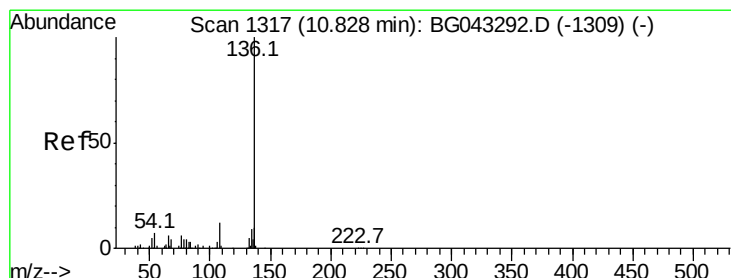
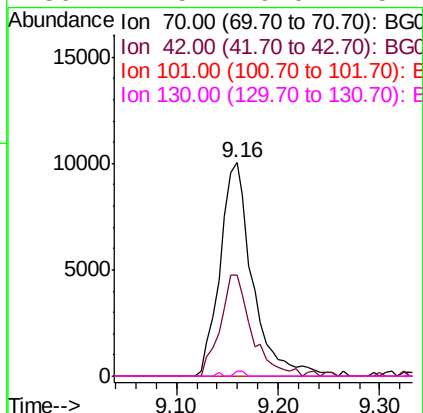
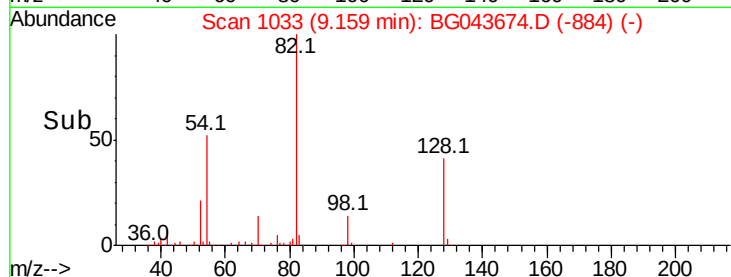
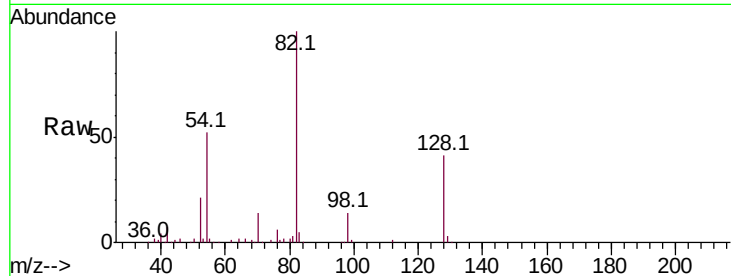




#19
n-Nitroso-di-n-propylamine
Concen: 17.656 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.35 min
Lab File: BG043674.D
Acq: 18 Nov 2019 15:38

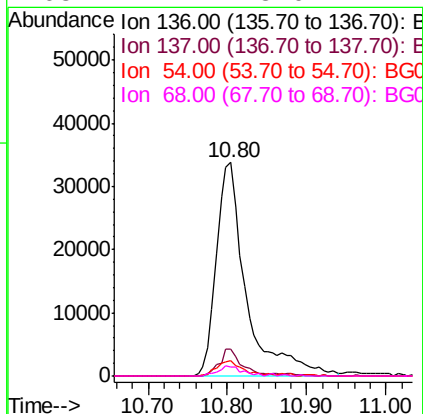
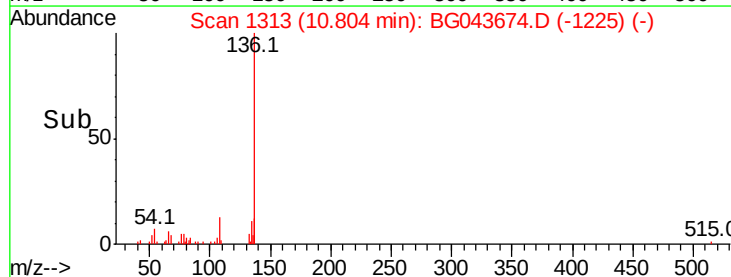
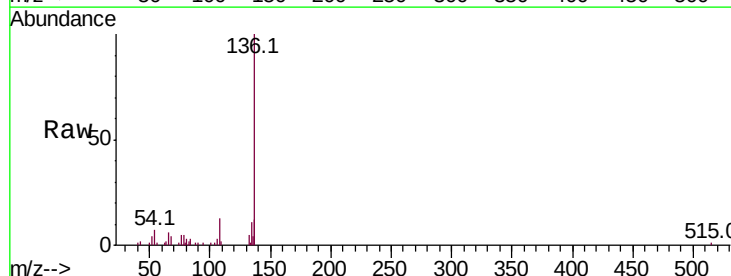
Instrument :
BNA_G
ClientSampleId :

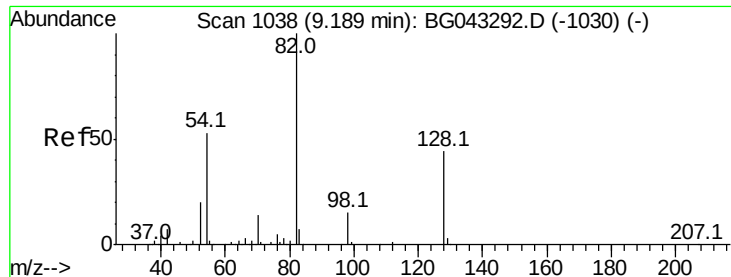
Tot Ion: 70 Resp: 22348
Ion Ratio Lower Upper
70 100
42 47.5 41.4 62.2
101 0.0 7.9 11.9#
130 2.5 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043674.D
Acq: 18 Nov 2019 15:38

Tgt Ion:136 Resp: 87954
Ion Ratio Lower Upper
136 100
137 12.4 8.7 13.1
54 7.4 5.4 8.2
68 4.1 3.0 4.4

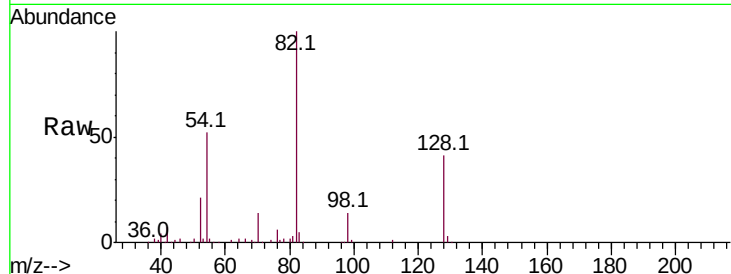




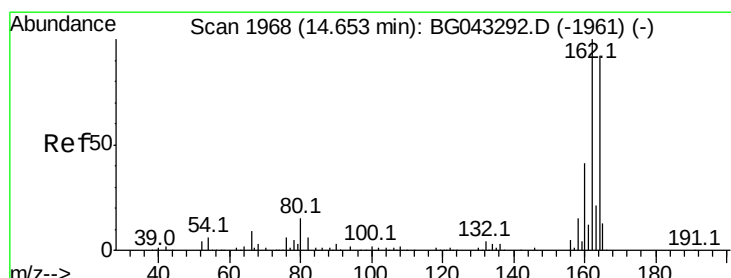
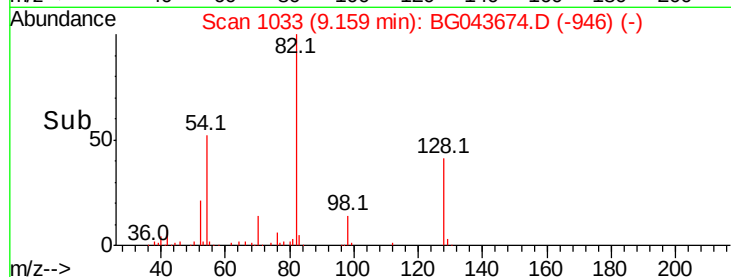
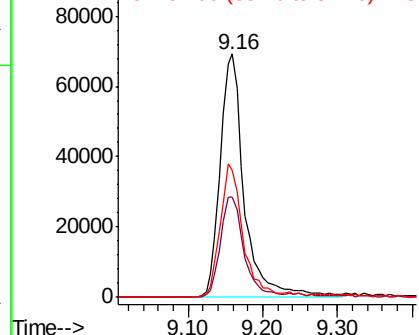
#23
Nitrobenzene-d5
Concen: 91.395 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BG043674.D
Acq: 18 Nov 2019 15:38

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 155924
Ion Ratio Lower Upper
82 100
128 41.0 35.0 52.6
54 52.4 40.2 60.2

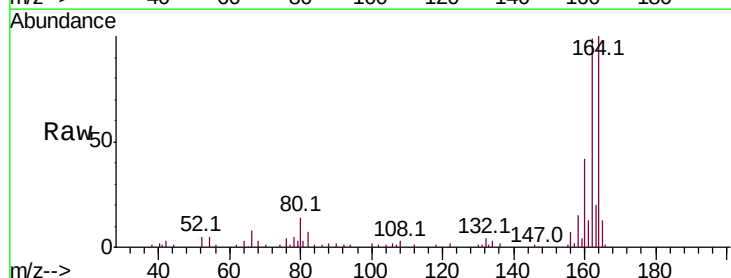


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

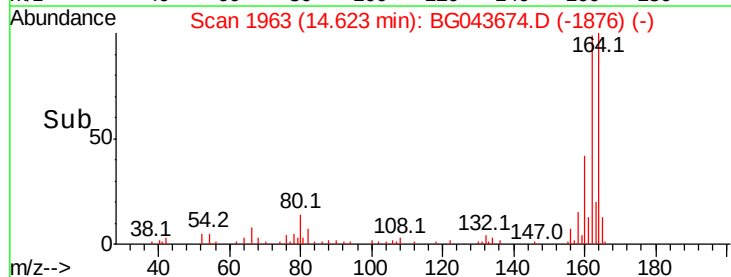
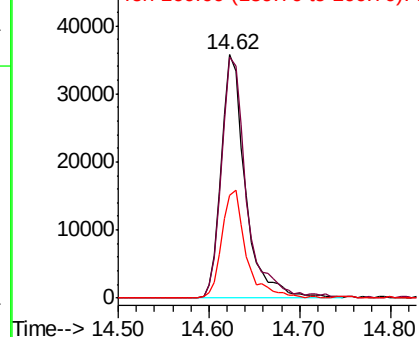


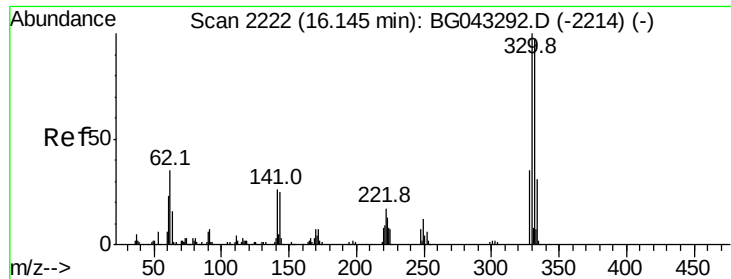
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BG043674.D
Acq: 18 Nov 2019 15:38

Tgt Ion:164 Resp: 66102
Ion Ratio Lower Upper
164 100
162 99.1 83.5 125.3
160 42.2 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 120.351 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.02 min

Lab File: BG043674.D

Acq: 18 Nov 2019 15:38

Instrument :

BNA_G

ClientSampleId :

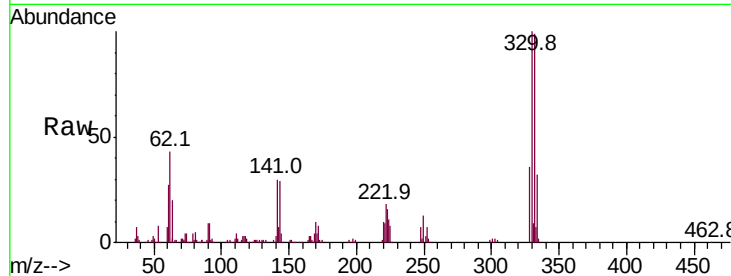
Tot Ion:330 Resp: 151392

Ion Ratio Lower Upper

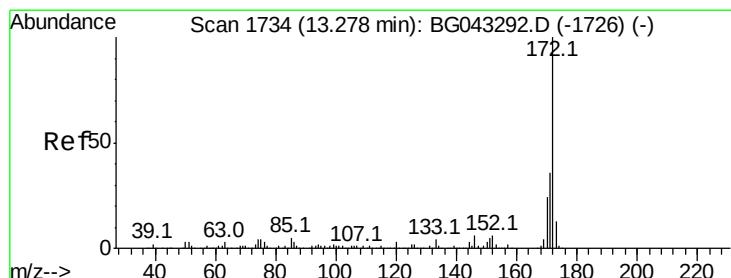
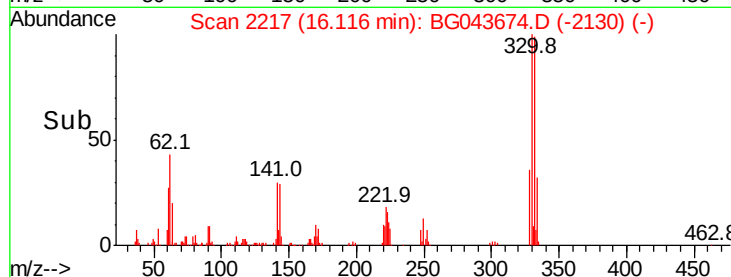
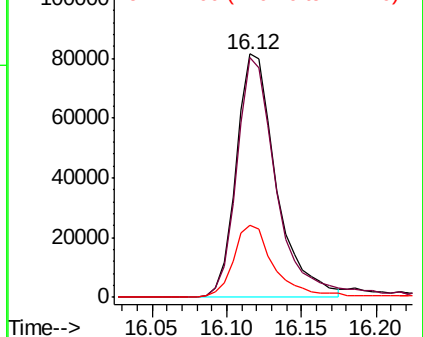
330 100

332 100.7 77.4 116.0

141 30.4 22.8 34.2



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: 93.840 ng

RT: 13.25 min Scan# 1729

Delta R.T. -0.02 min

Lab File: BG043674.D

Acq: 18 Nov 2019 15:38

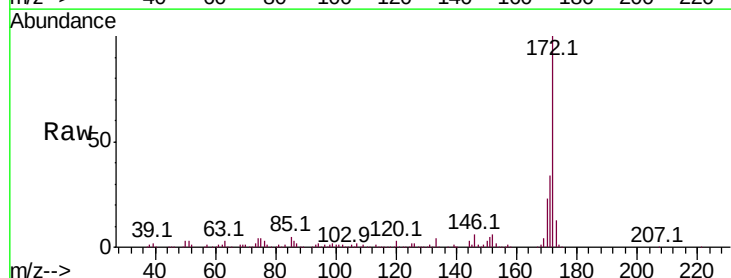
Tgt Ion:172 Resp: 448905

Ion Ratio Lower Upper

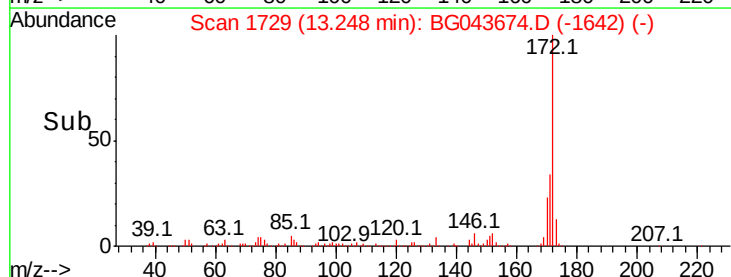
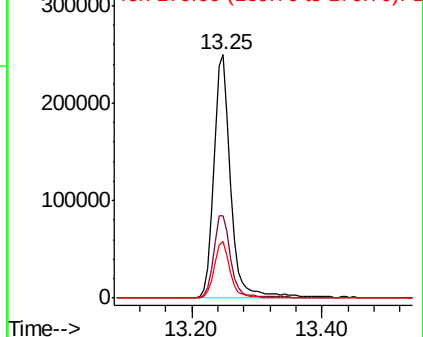
172 100

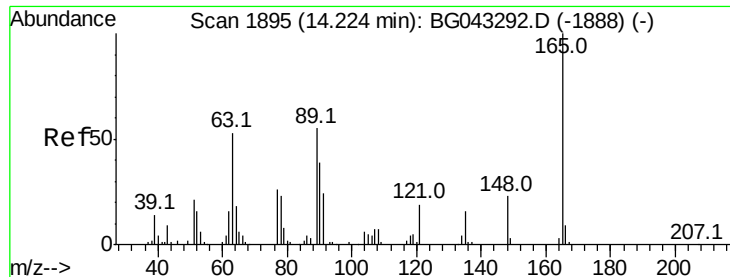
171 33.9 28.9 43.3

170 23.5 18.5 27.7



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

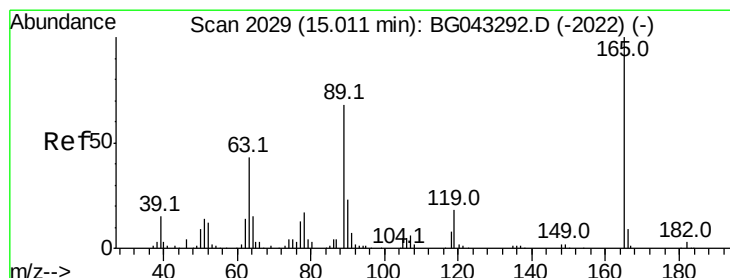
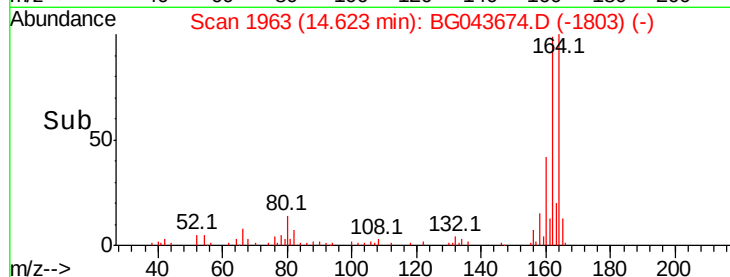
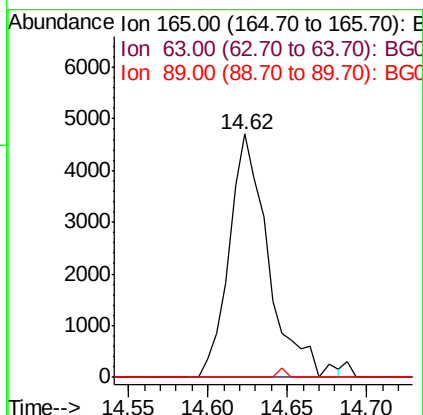
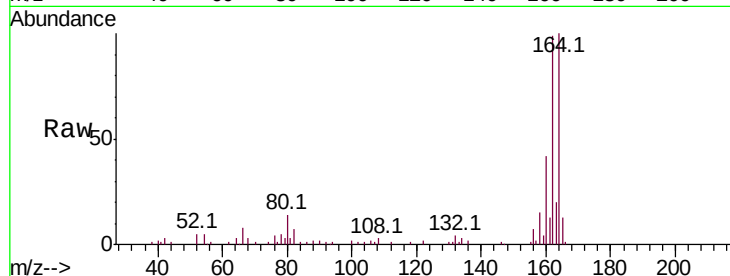




#51
 2,6-Dinitrotoluene
 Concen: 7.300 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.41 min
 Lab File: BG043674.D
 Acq: 18 Nov 2019 15:38

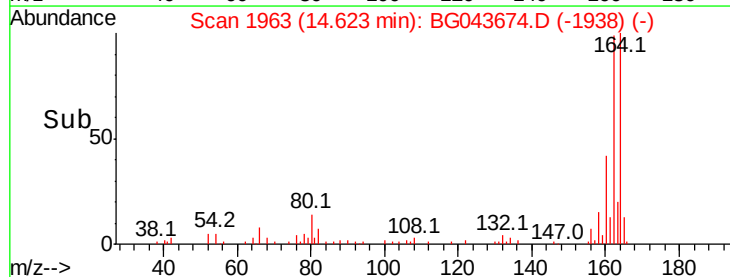
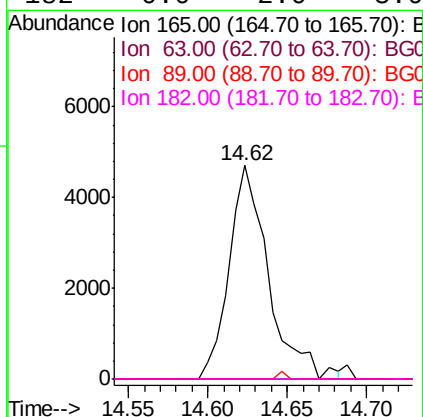
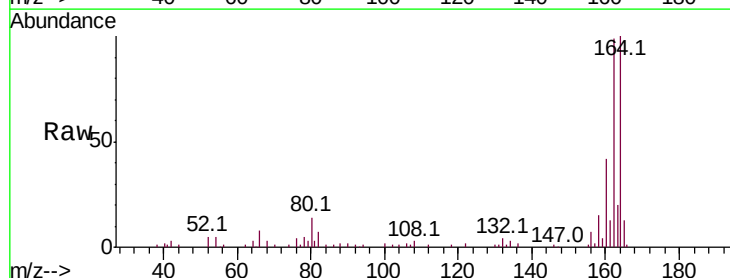
Instrument :
 BNA_G
 ClientSampleId :

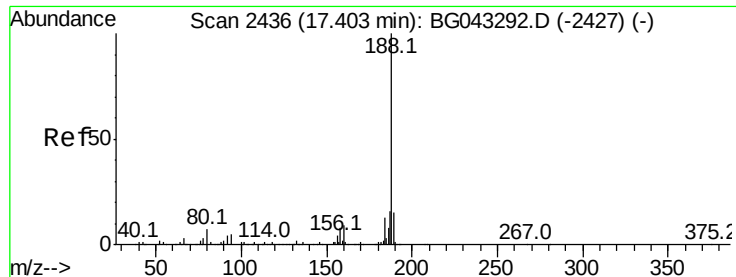
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.6	69.8#
89	0.0	45.1	67.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.108 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.38 min
 Lab File: BG043674.D
 Acq: 18 Nov 2019 15:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.2	49.8#
89	0.0	52.2	78.4#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG043674.D

Acq: 18 Nov 2019 15:38

Instrument :

BNA_G

ClientSampleId :

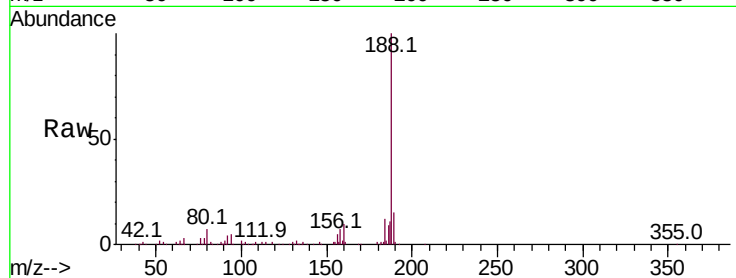
Tot Ion:188 Resp: 157635

Ion Ratio Lower Upper

188 100

94 5.3 4.2 6.4

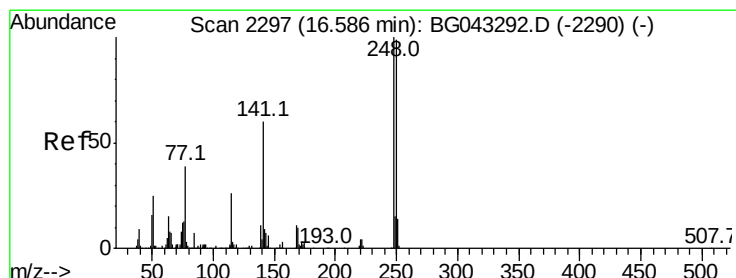
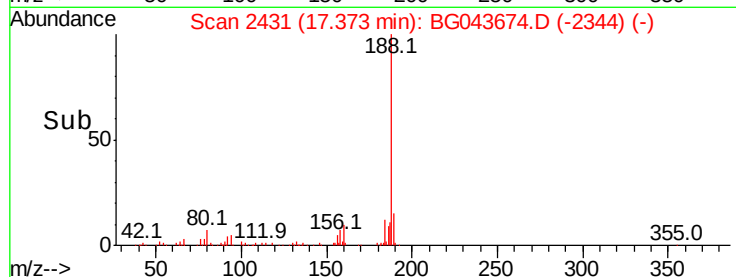
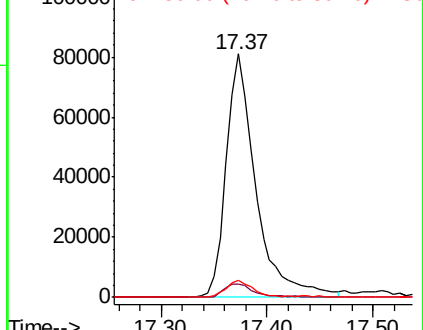
80 6.8 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 4.763 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.46 min

Lab File: BG043674.D

Acq: 18 Nov 2019 15:38

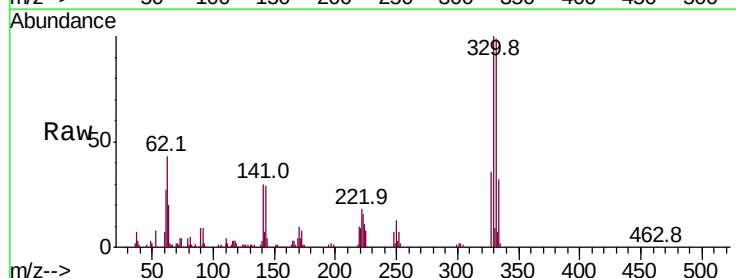
Tgt Ion:248 Resp: 10105

Ion Ratio Lower Upper

248 100

250 197.6 77.0 115.4#

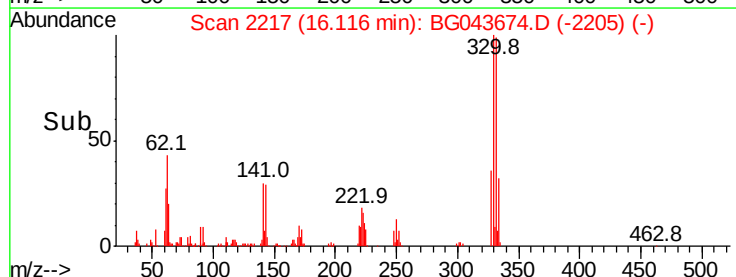
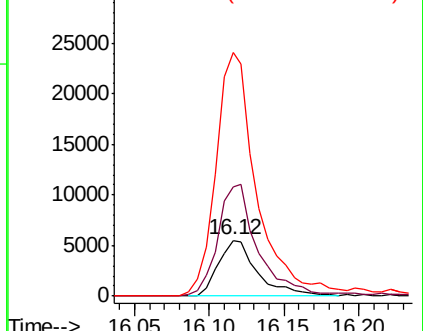
141 438.5 47.5 71.3#

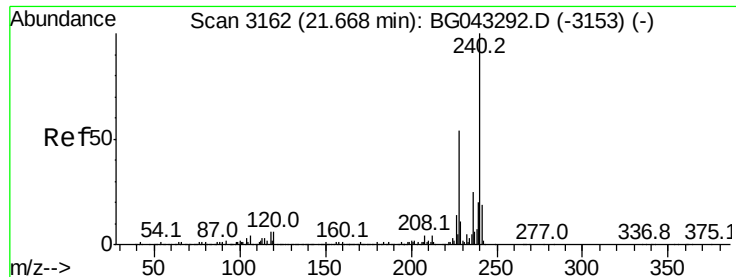


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.64 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG043674.D

Acq: 18 Nov 2019 15:38

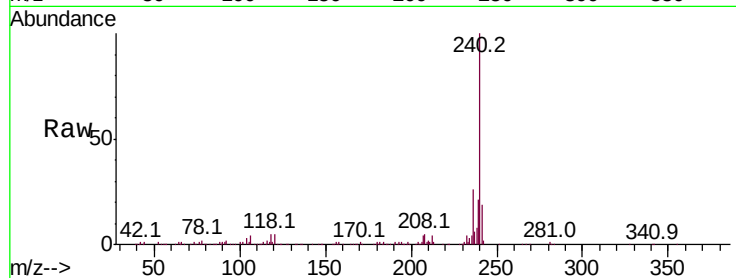
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 190175

Ion	Ratio	Lower	Upper
240	100		
120	4.6	4.6	6.8
236	25.9	19.8	29.8

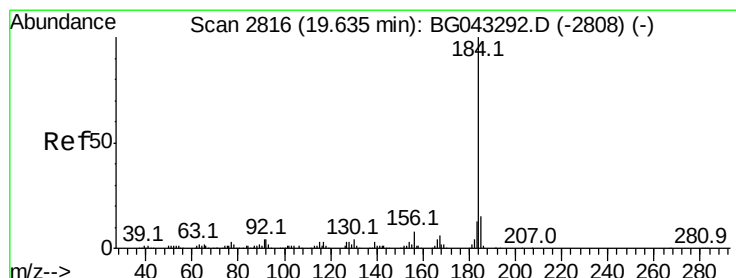
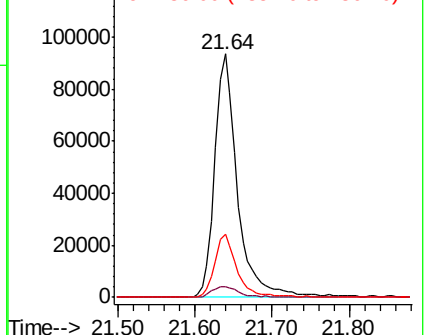
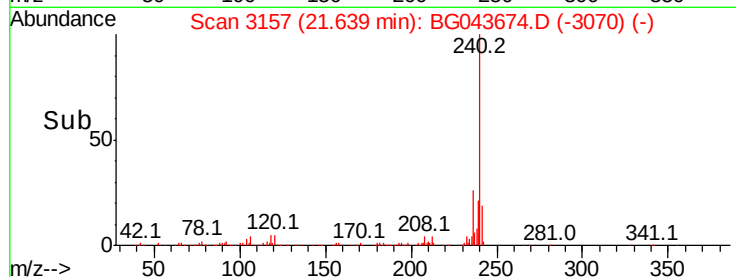


Abundance

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: 4.044 ng

RT: 19.98 min Scan# 2875

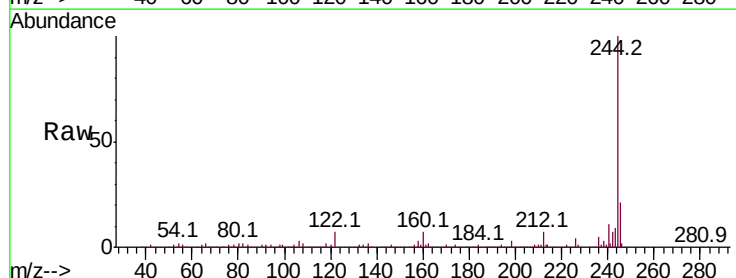
Delta R.T. 0.36 min

Lab File: BG043674.D

Acq: 18 Nov 2019 15:38

Tgt Ion:184 Resp: 15477

Ion	Ratio	Lower	Upper
184	100		
185	16.1	11.0	16.4
183	8.1	10.0	15.0#

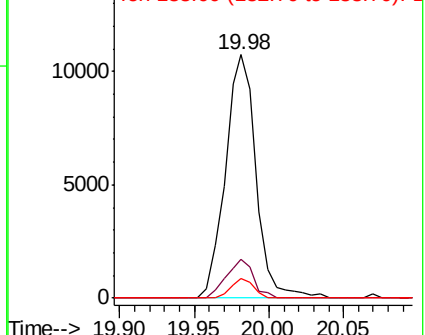
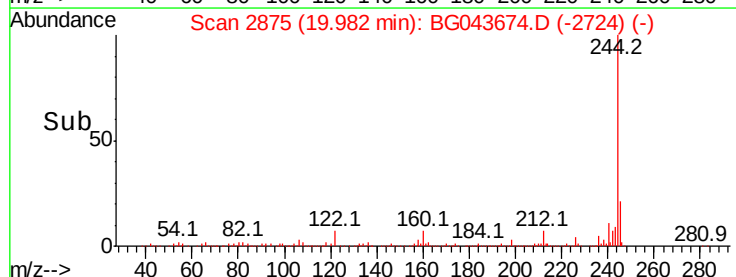


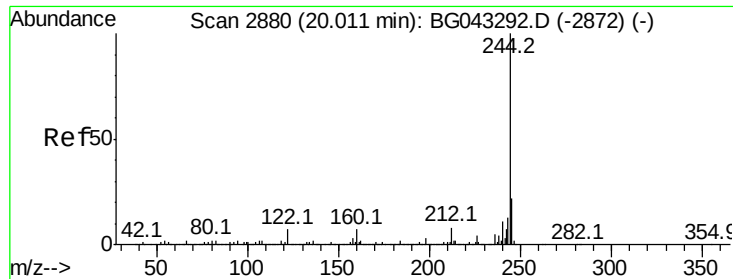
Abundance

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



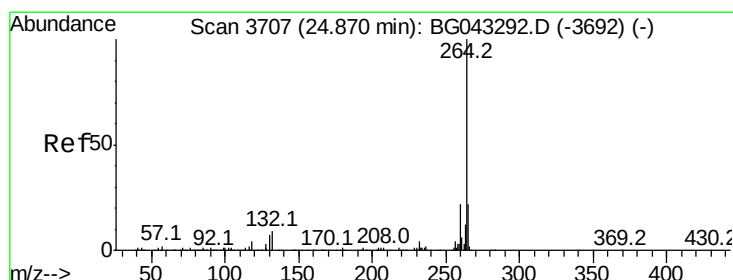
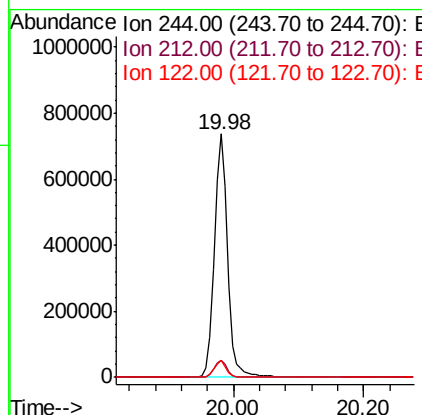
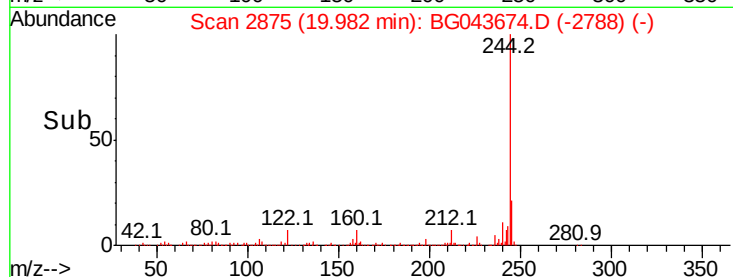
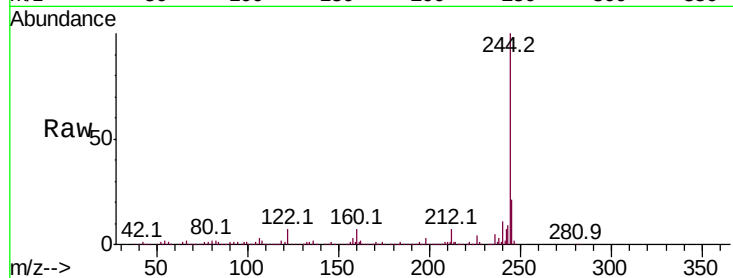


#79
 Terphenyl-d14
 Concen: 102.097 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.02 min
 Lab File: BG043674.D
 Acq: 18 Nov 2019 15:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1034953

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.9	5.4	8.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3698
 Delta R.T. -0.04 min
 Lab File: BG043674.D
 Acq: 18 Nov 2019 15:38

Tgt Ion:264 Resp: 215802

Ion	Ratio	Lower	Upper
264	100		
260	25.2	17.5	26.3
265	23.1	17.4	26.0

