

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111819\
 Data File : BG043681.D
 Acq On : 18 Nov 2019 20:13
 Operator : JU
 Sample : K5833-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 01:41:04 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

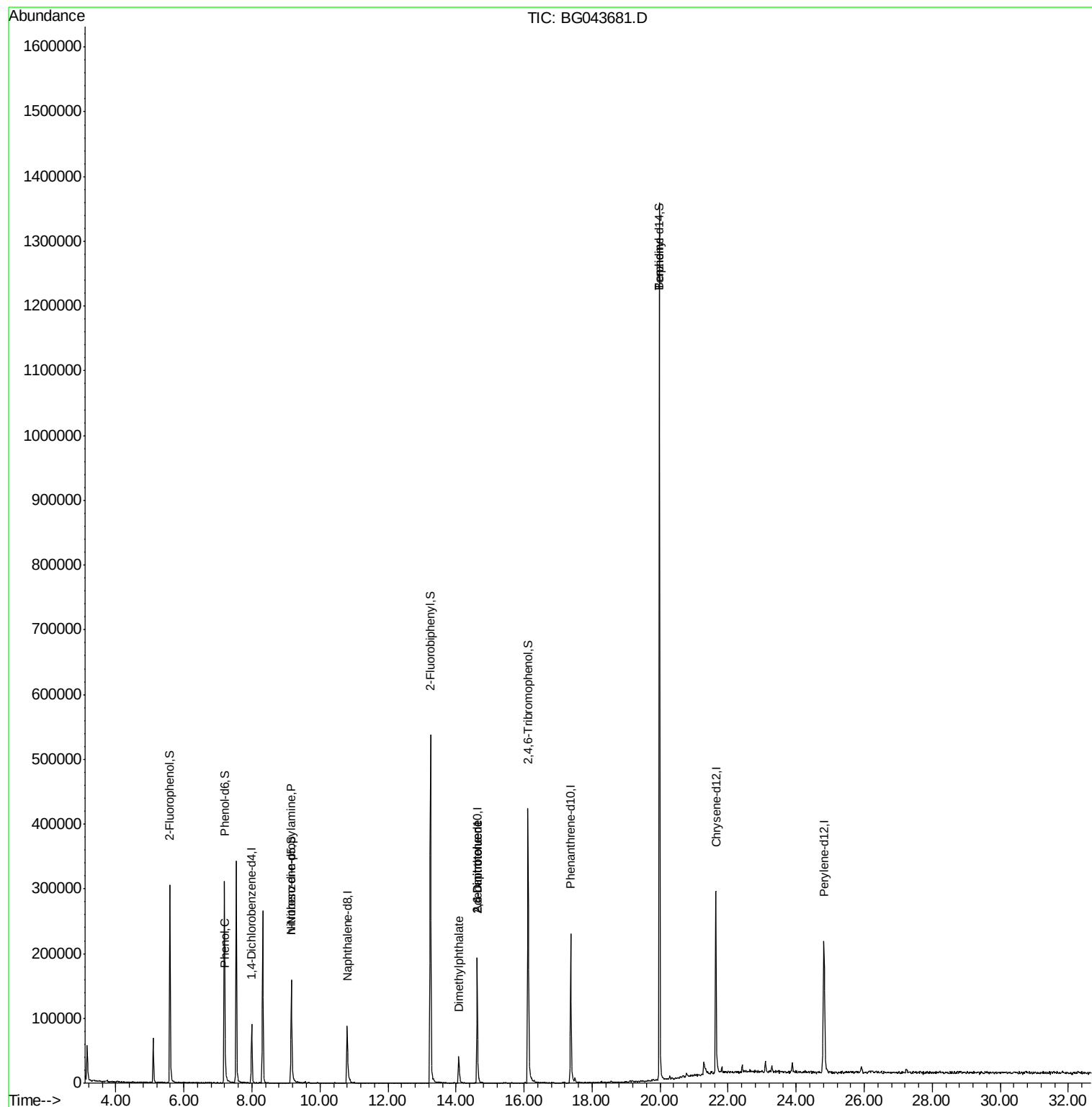
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	27804	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	96933	20.00	ng	-0.02
39) Acenaphthene-d10	14.62	164	77906	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	185379	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	209243	20.00	ng	-0.02
87) Perylene-d12	24.82	264	244917	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	144906	95.50	ng	0.00
7) Phenol-d6	7.19	99	199084	91.19	ng	0.00
23) Nitrobenzene-d5	9.16	82	120068	63.86	ng	-0.02
42) 2,4,6-Tribromophenol	16.11	330	114470	77.21	ng	-0.02
45) 2-Fluorobiphenyl	13.25	172	342994	60.84	ng	-0.02
79) Terphenyl-d14	19.98	244	739183	66.27	ng	-0.02
Target Compounds						
10) Phenol	7.21	94	6202	3.109	ng	# 64
19) n-Nitroso-di-n-propylamine	9.16	70	16684	11.827	ng	# 81
50) Dimethylphthalate	14.08	163	42815	7.095	ng	# 96
51) 2,6-Dinitrotoluene	14.62	165	10442	7.965	ng	# 22
57) 2,4-Dinitrotoluene	14.62	165	10441	5.573	ng	# 25
77) Benzidine	19.98	184	10351	2.458	ng	# 42

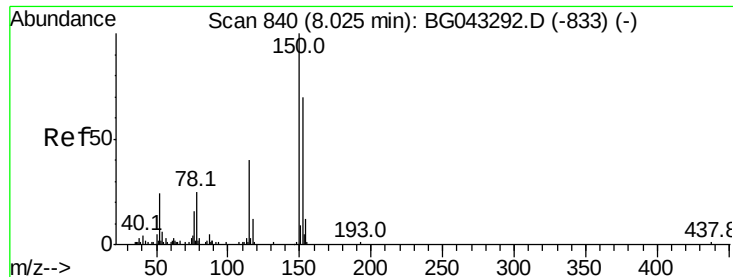
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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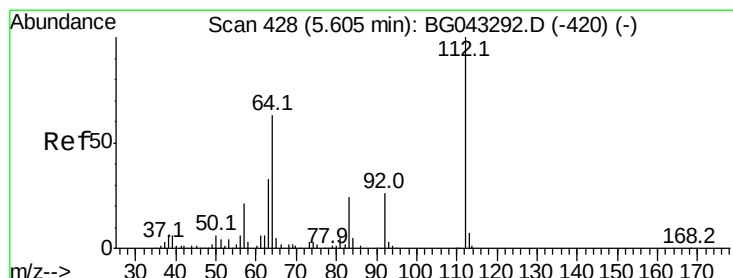
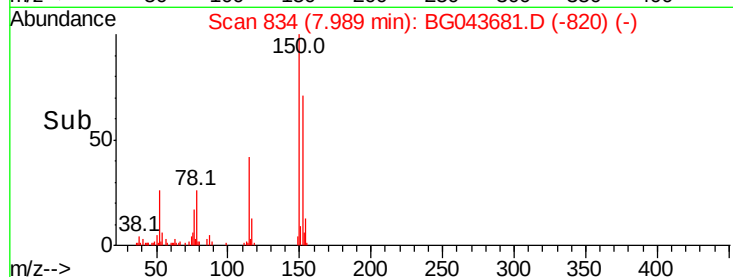
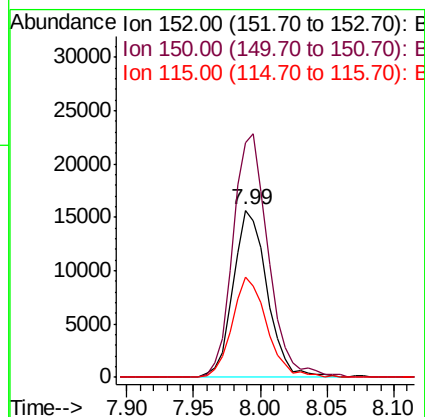
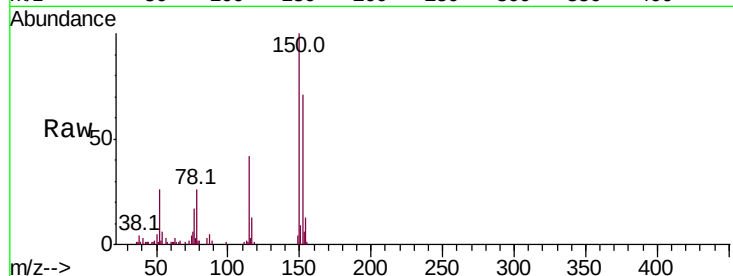


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.02 min
Lab File: BG043681.D
Acq: 18 Nov 2019 20:13

Instrument :
BNA_G
ClientSampleId :

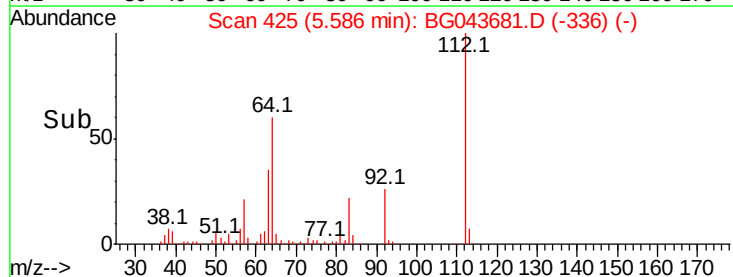
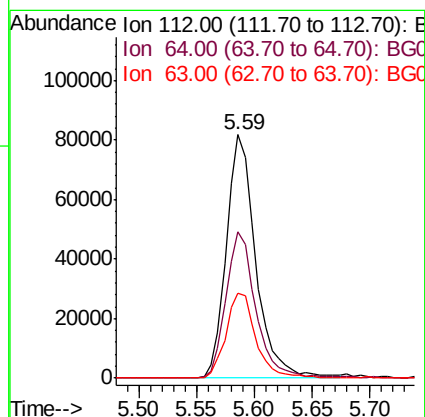
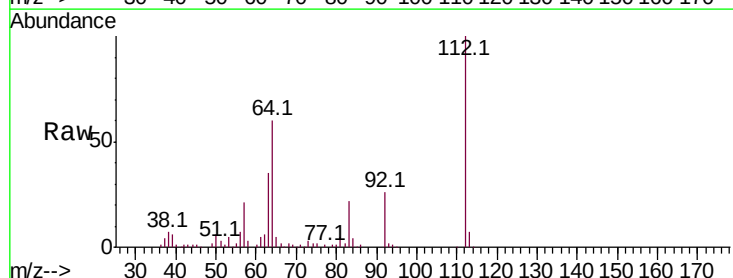
Tot Ion:152 Resp: 27804
Ion Ratio Lower Upper
152 100
150 140.9 129.4 194.0
115 59.9 48.8 73.2

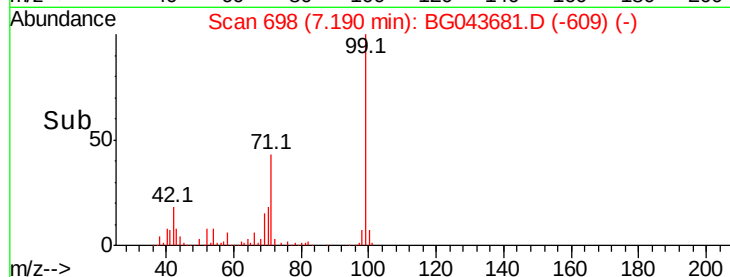
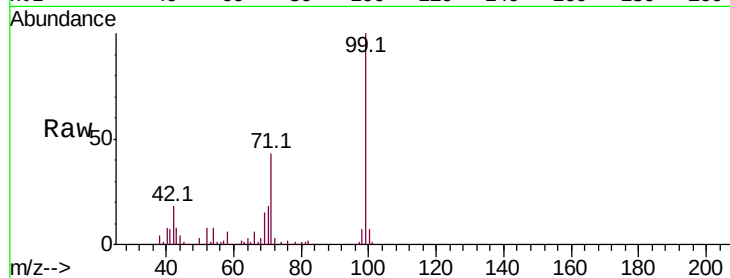
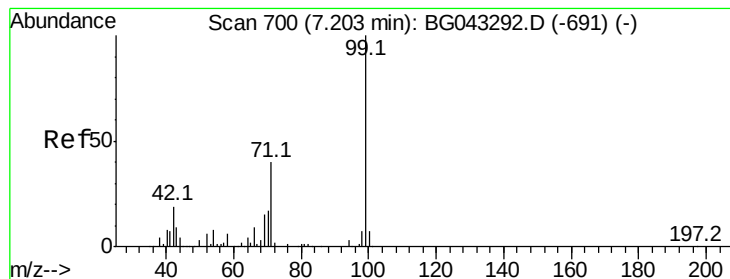


#5

2-Fluorophenol
Concen: 95.502 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.01 min
Lab File: BG043681.D
Acq: 18 Nov 2019 20:13

Tgt Ion:112 Resp: 144906
Ion Ratio Lower Upper
112 100
64 59.9 50.0 75.0
63 35.1 26.6 40.0





#7

Phenol-d6

Concen: 91.195 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043681.D

Acq: 18 Nov 2019 20:13

Instrument :

BNA_G

ClientSampled :

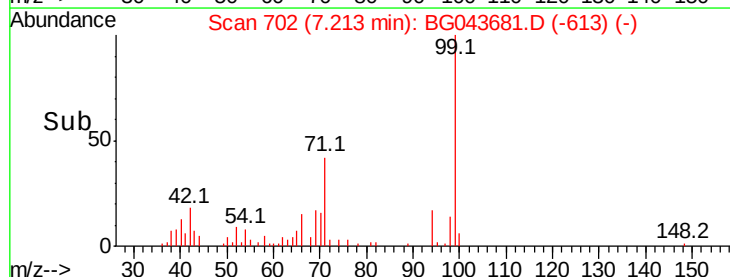
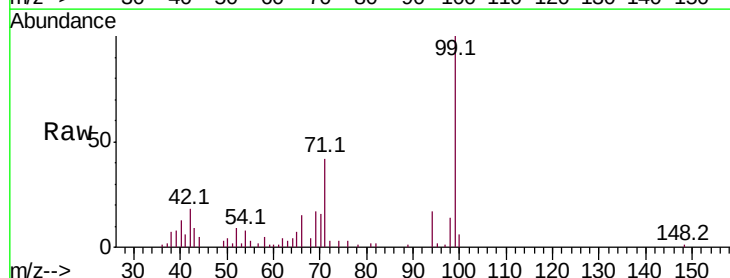
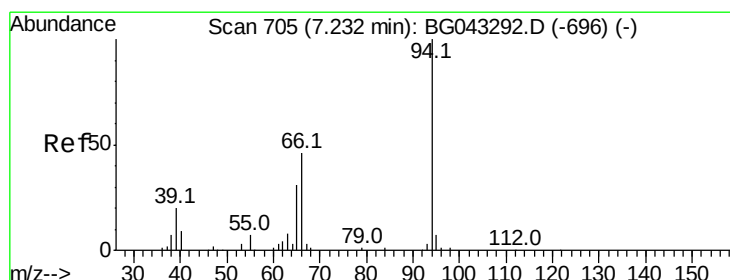
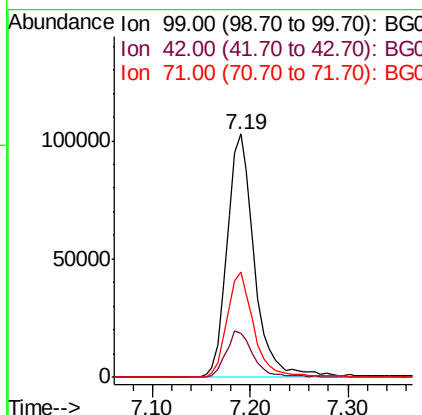
Tot Ion: 99 Resp: 199084

Ion Ratio Lower Upper

99 100

42 18.0 14.6 21.8

71 43.2 32.5 48.7



#10

Phenol

Concen: 3.109 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG043681.D

Acq: 18 Nov 2019 20:13

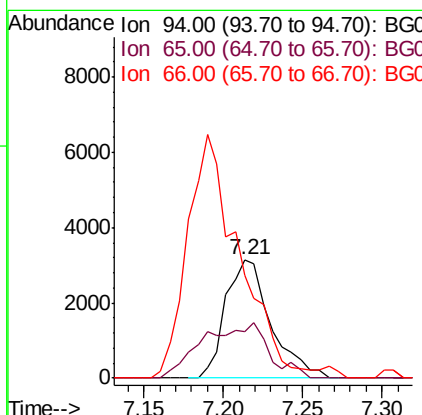
Tgt Ion: 94 Resp: 6202

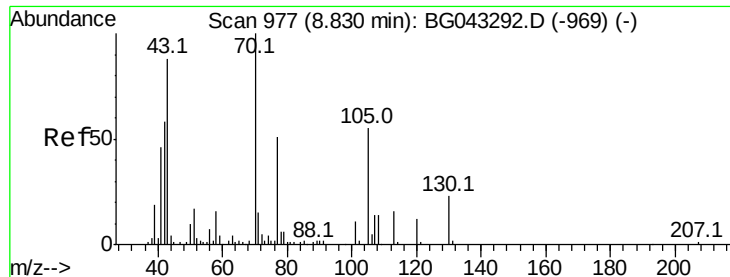
Ion Ratio Lower Upper

94 100

65 39.4 12.6 52.6

66 86.6 30.7 70.7#

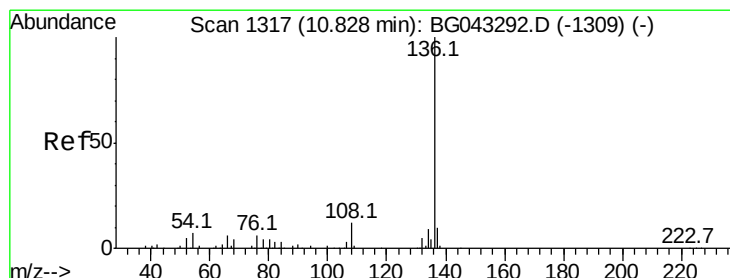
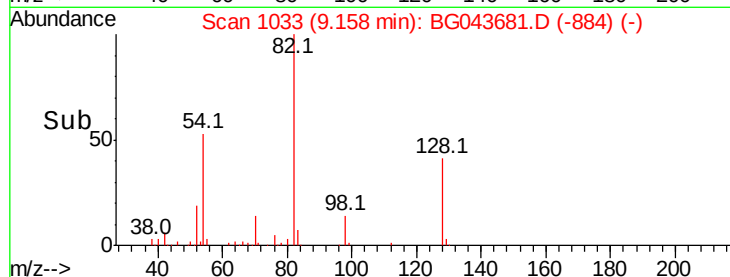
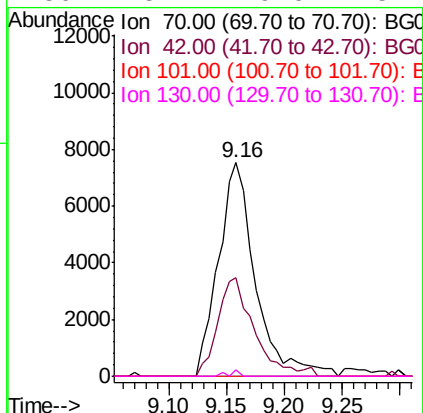
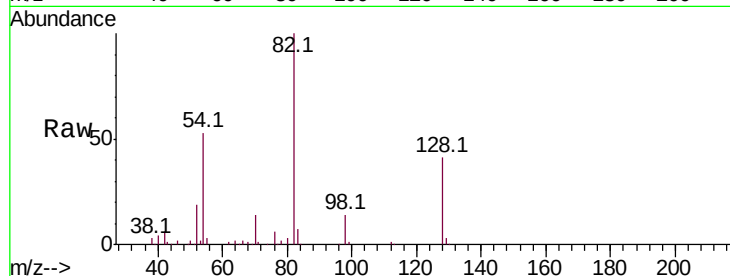




#19
n-Nitroso-di-n-propylamine
Concen: 11.827 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.35 min
Lab File: BG043681.D
Acq: 18 Nov 2019 20:13

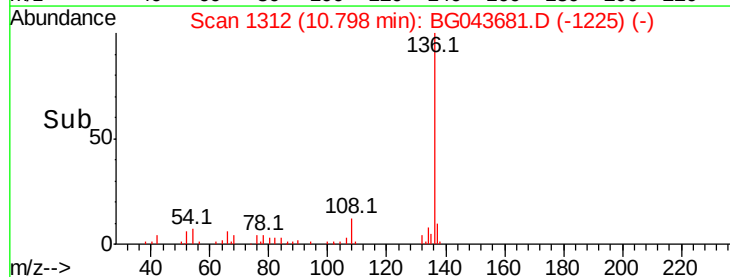
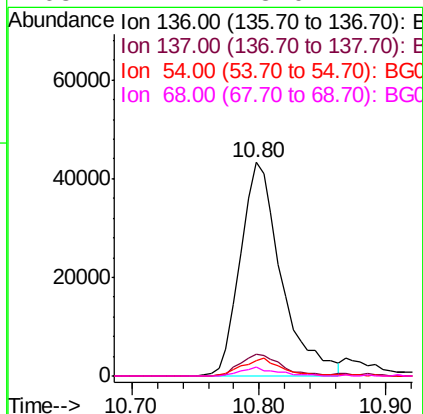
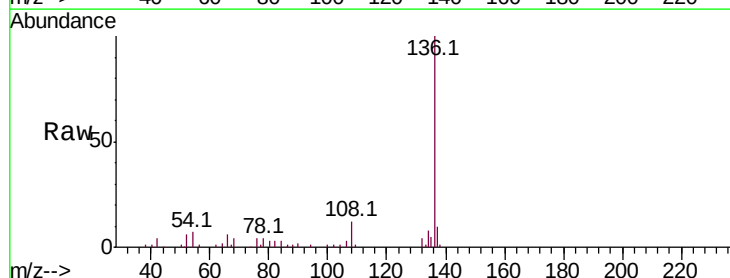
Instrument :
BNA_G
ClientSampled :

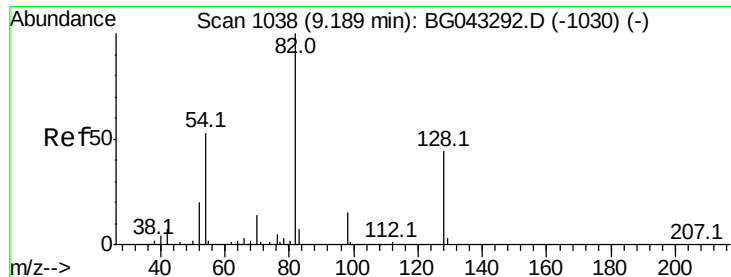
Tot Ion: 70 Resp: 16684
Ion Ratio Lower Upper
70 100
42 46.3 41.4 62.2
101 0.0 7.9 11.9#
130 3.2 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BG043681.D
Acq: 18 Nov 2019 20:13

Tgt Ion:136 Resp: 96933
Ion Ratio Lower Upper
136 100
137 10.2 8.7 13.1
54 7.0 5.4 8.2
68 4.2 3.0 4.4

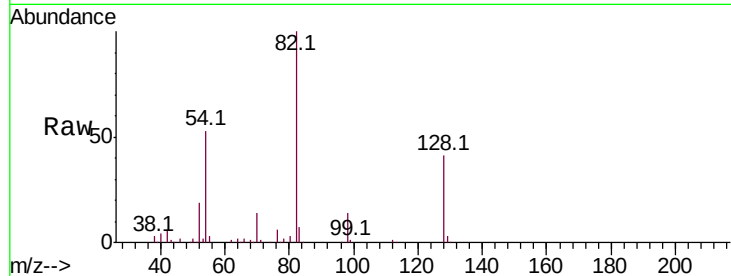




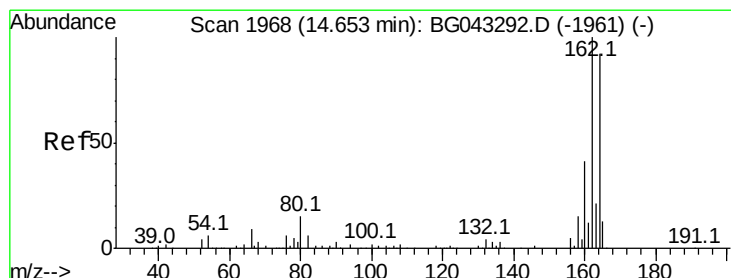
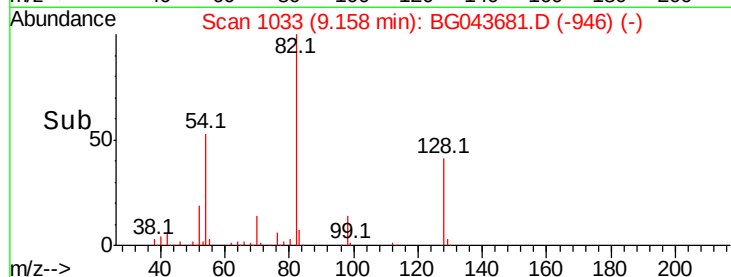
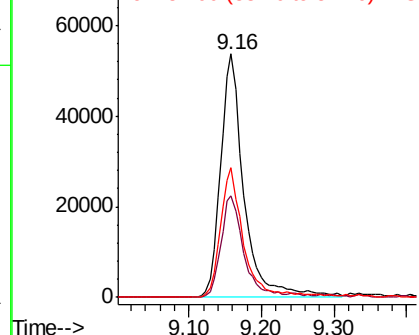
#23
Nitrobenzene-d5
Concen: 63.859 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BG043681.D
Acq: 18 Nov 2019 20:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 120068
Ion Ratio Lower Upper
82 100
128 41.5 35.0 52.6
54 53.4 40.2 60.2

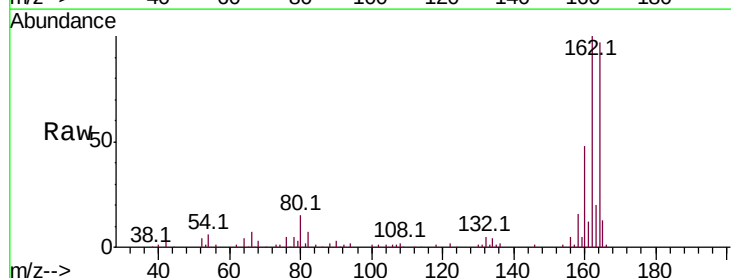


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

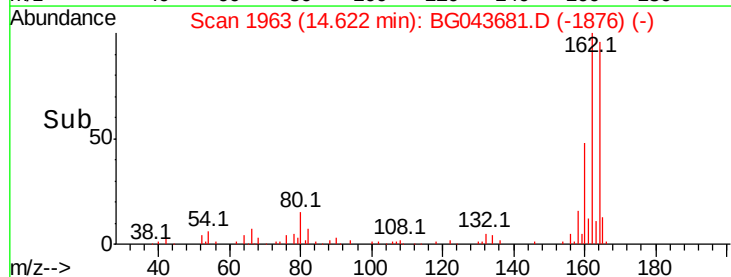
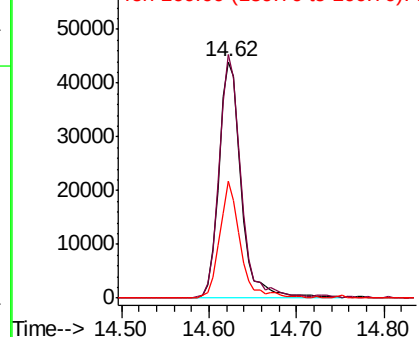


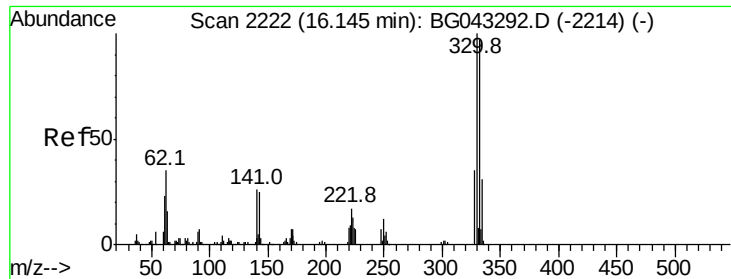
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BG043681.D
Acq: 18 Nov 2019 20:13

Tgt Ion:164 Resp: 77906
Ion Ratio Lower Upper
164 100
162 103.2 83.5 125.3
160 49.5 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: 77.211 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.02 min

Lab File: BG043681.D

Acq: 18 Nov 2019 20:13

Instrument :

BNA_G

ClientSampleId :

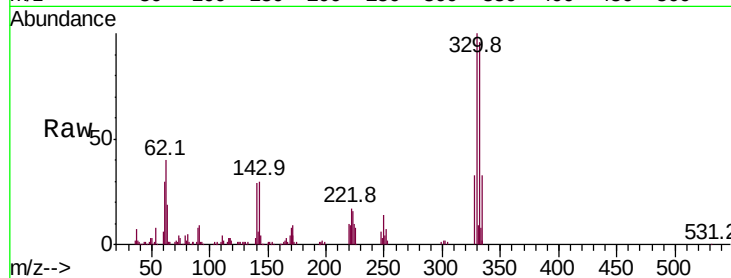
Tot Ion:330 Resp: 114470

Ion Ratio Lower Upper

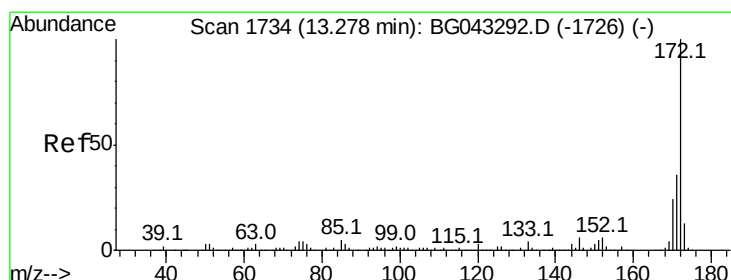
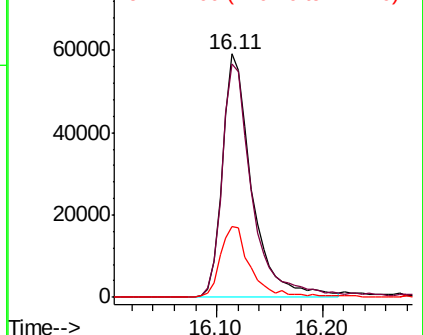
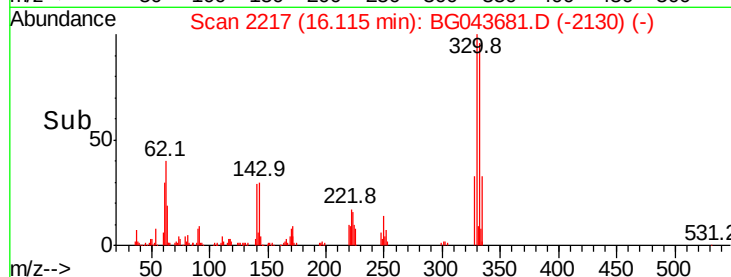
330 100

332 97.6 77.4 116.0

141 30.0 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: 60.836 ng

RT: 13.25 min Scan# 1729

Delta R.T. -0.02 min

Lab File: BG043681.D

Acq: 18 Nov 2019 20:13

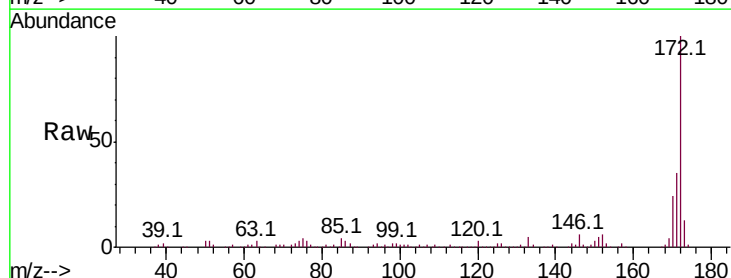
Tgt Ion:172 Resp: 342994

Ion Ratio Lower Upper

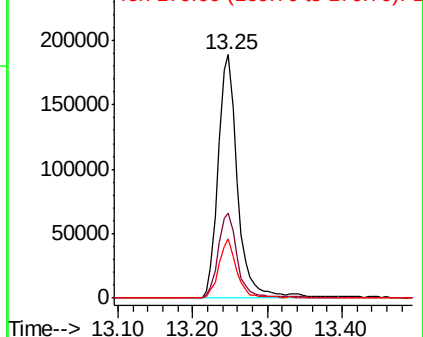
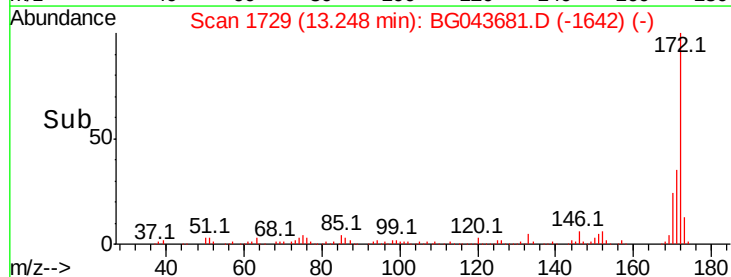
172 100

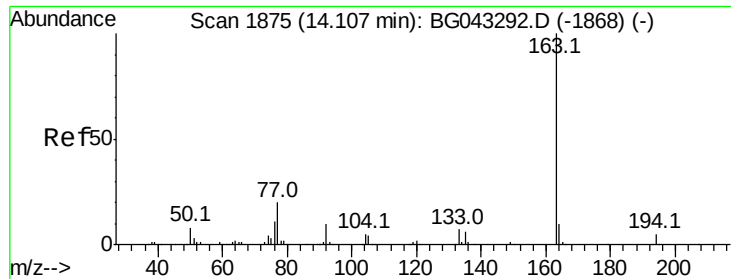
171 34.8 28.9 43.3

170 24.3 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

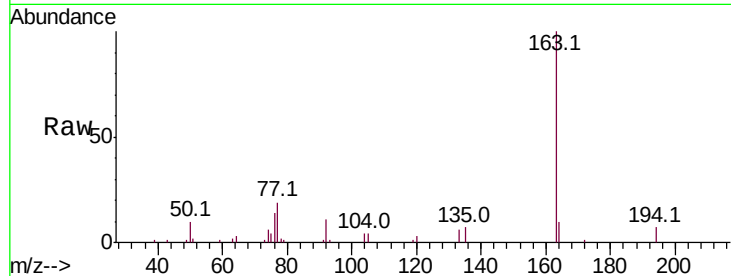




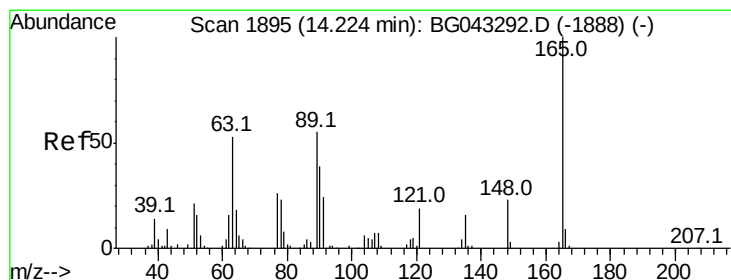
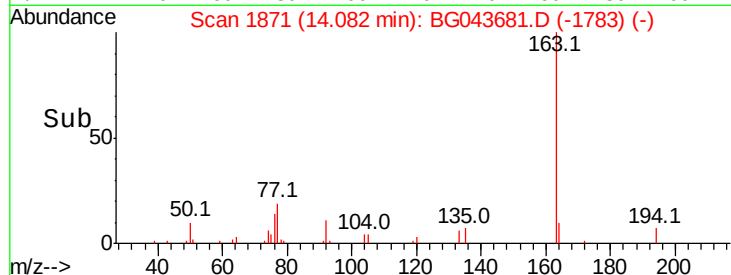
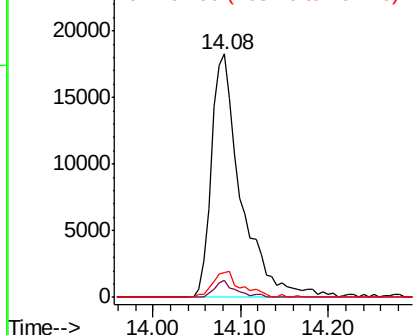
#50
Dimethylphthalate
Concen: 7.095 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG043681.D
Acq: 18 Nov 2019 20:13

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 42815
Ion Ratio Lower Upper
163 100
194 6.9 3.8 5.6#
164 10.0 8.9 13.3

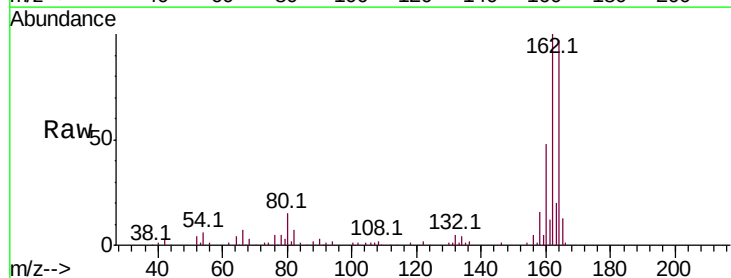


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

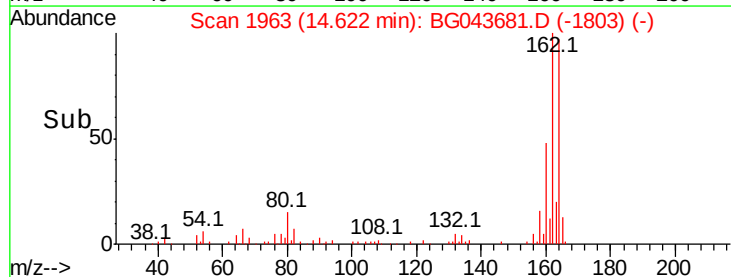
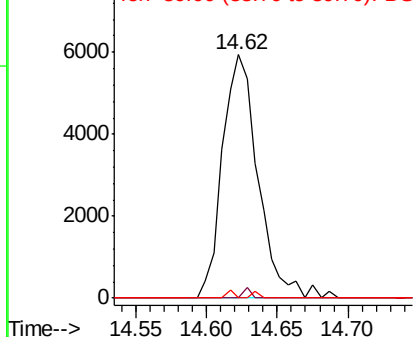


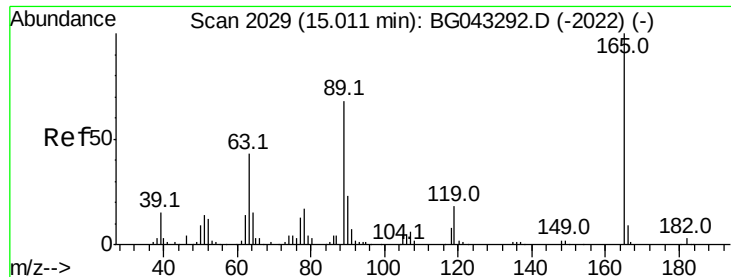
#51
2,6-Dinitrotoluene
Concen: 7.965 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.41 min
Lab File: BG043681.D
Acq: 18 Nov 2019 20:13

Tgt Ion:165 Resp: 10442
Ion Ratio Lower Upper
165 100
63 0.0 46.6 69.8#
89 0.0 45.1 67.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

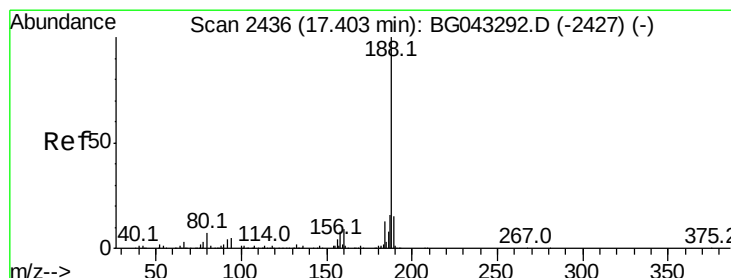
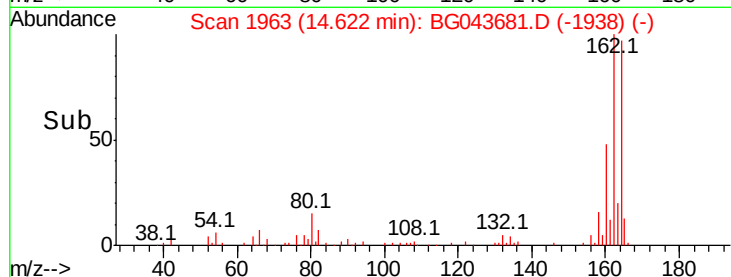
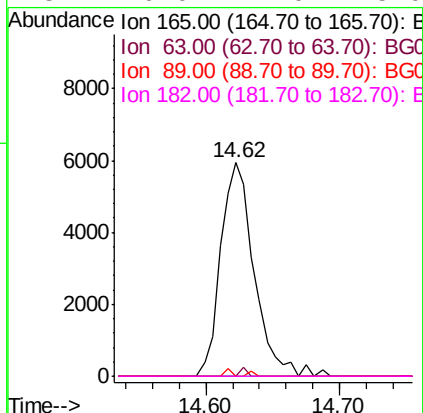
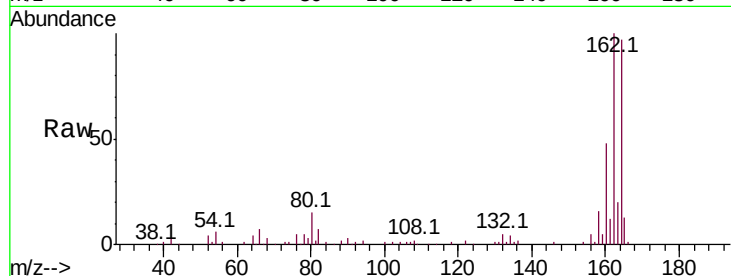




#57
 2,4-Dinitrotoluene
 Concen: 5.573 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.38 min
 Lab File: BG043681.D
 Acq: 18 Nov 2019 20:13

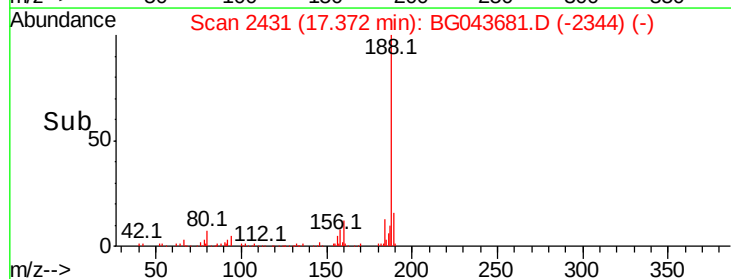
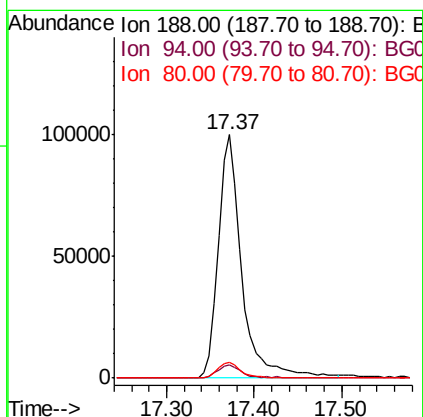
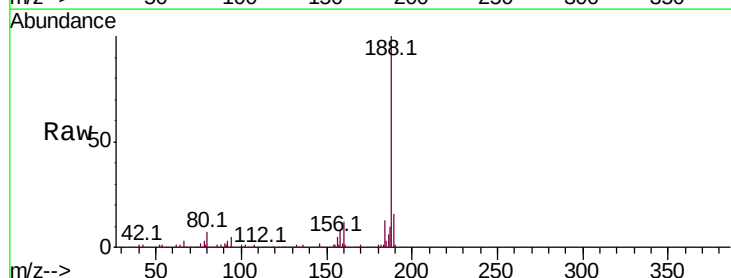
Instrument :
 BNA_G
 ClientSampleId :

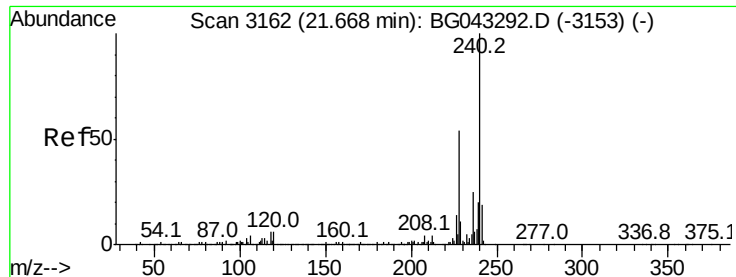
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.2	49.8#
89	0.0	52.2	78.4#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BG043681.D
 Acq: 18 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.2	6.4
80	6.5	4.5	6.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG043681.D

Acq: 18 Nov 2019 20:13

Instrument :

BNA_G

ClientSampled :

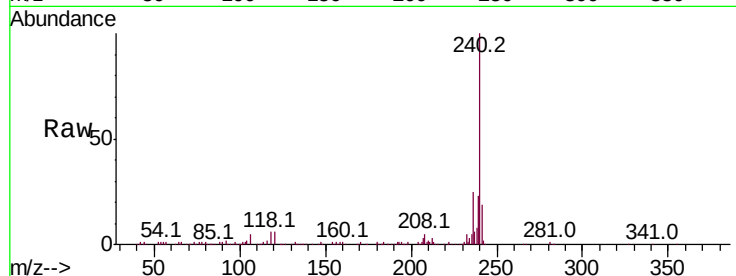
Tot Ion:240 Resp: 209243

Ion Ratio Lower Upper

240 100

120 5.5 4.6 6.8

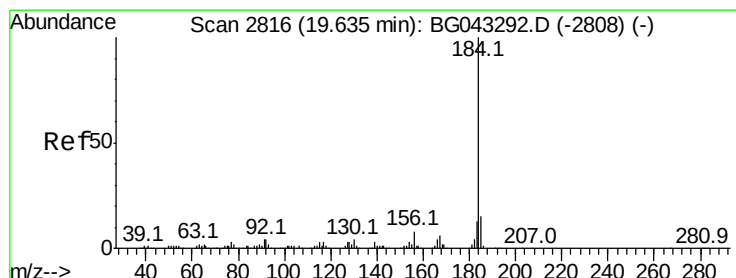
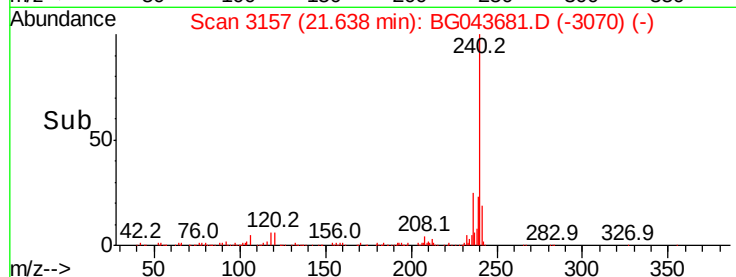
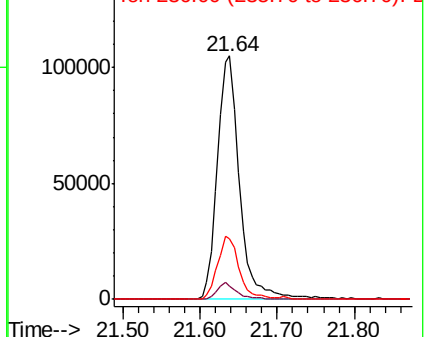
236 24.8 19.8 29.8



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: 2.458 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.36 min

Lab File: BG043681.D

Acq: 18 Nov 2019 20:13

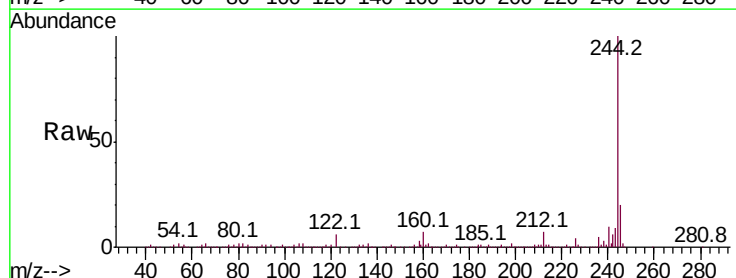
Tgt Ion:184 Resp: 10351

Ion Ratio Lower Upper

184 100

185 56.9 11.0 16.4#

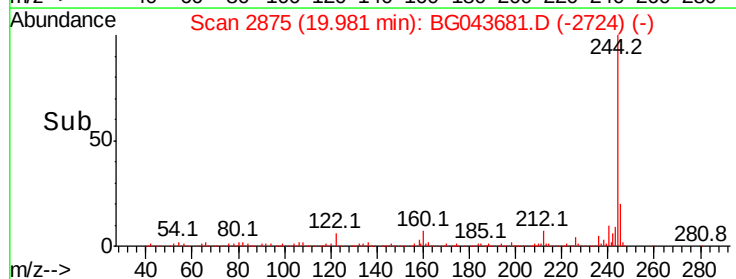
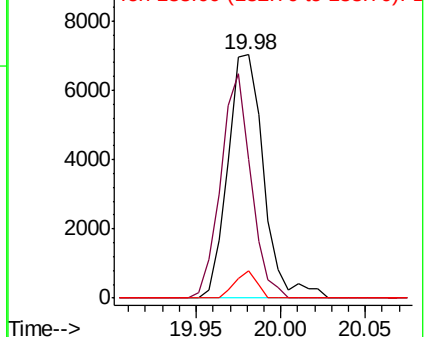
183 11.2 10.0 15.0

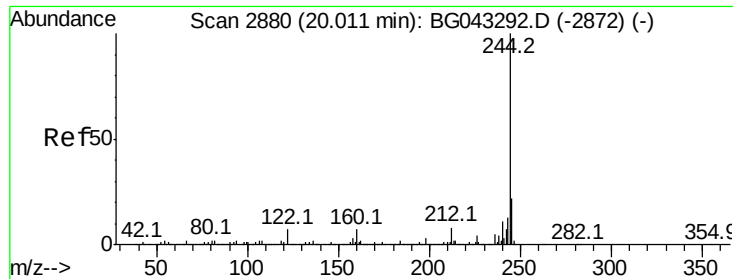


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

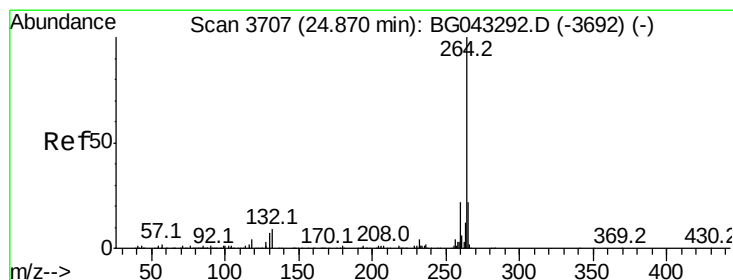
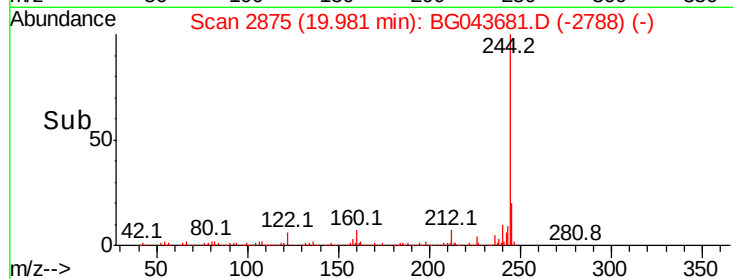
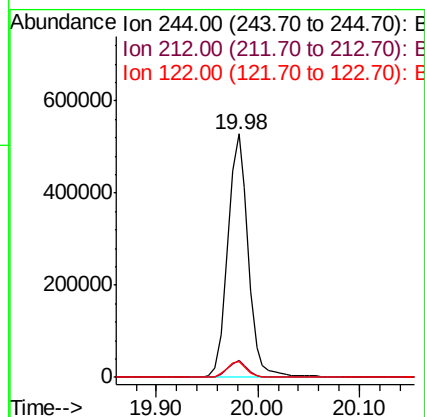
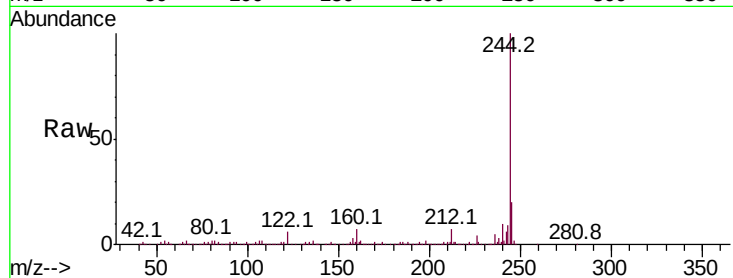




#79
 Terphenyl-d14
 Concen: 66.275 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.02 min
 Lab File: BG043681.D
 Acq: 18 Nov 2019 20:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	6.3	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: BG043681.D
 Acq: 18 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.5	26.3
265	22.0	17.4	26.0

