

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043707.D
 Acq On : 19 Nov 2019 20:52
 Operator : JU
 Sample : K5864-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 20 02:49:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

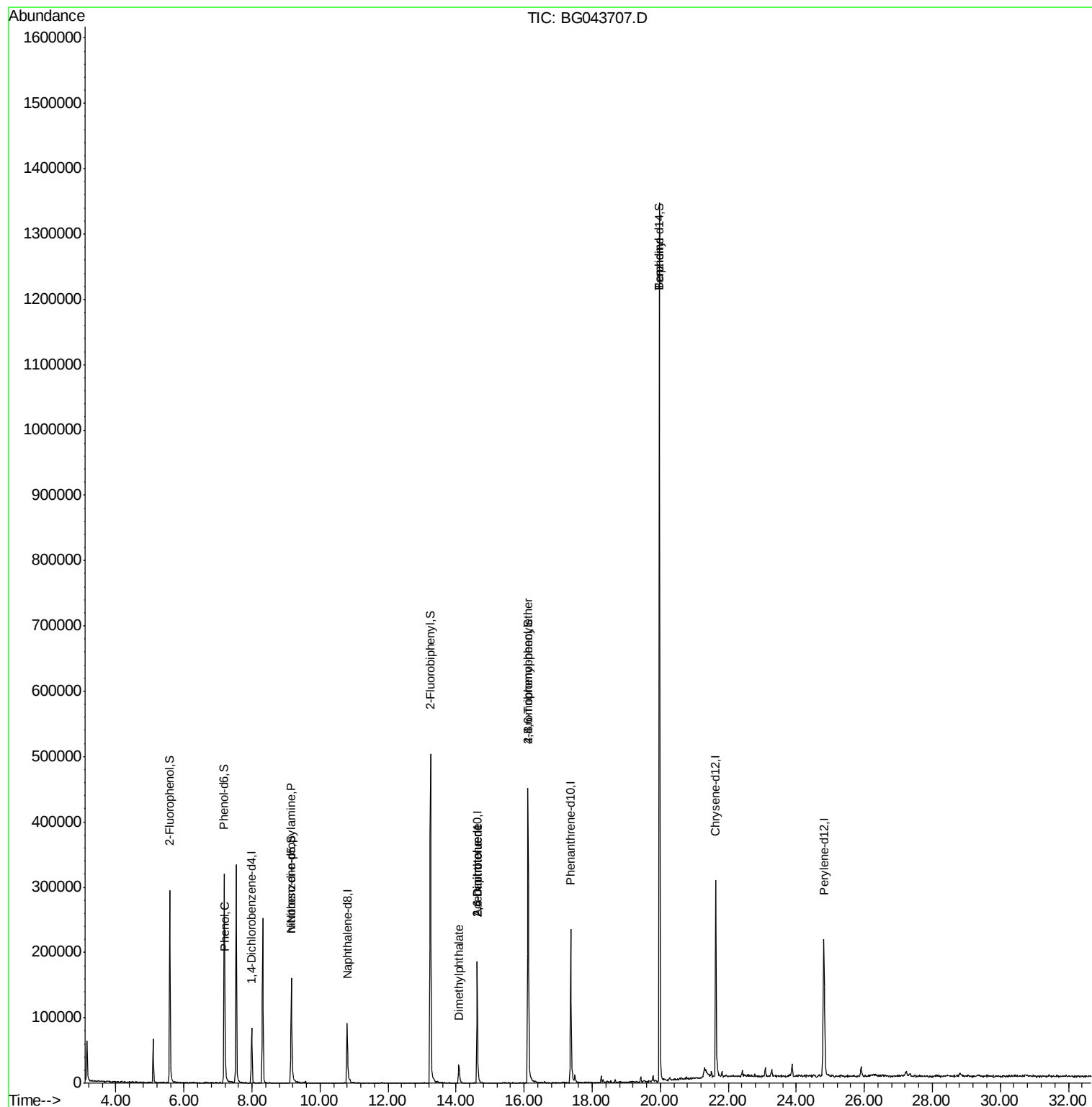
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	25074	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	91438	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	74721	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	190312	20.00	ng	0.00
76) Chrysene-d12	21.63	240	213931	20.00	ng	0.00
87) Perylene-d12	24.81	264	245074	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	146718	107.22	ng	0.00
7) Phenol-d6	7.18	99	200948	102.07	ng	0.00
23) Nitrobenzene-d5	9.15	82	116276	65.56	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	121437	85.40	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	329090	60.86	ng	0.00
79) Terphenyl-d14	19.98	244	746804	65.49	ng	0.00
Target Compounds						
10) Phenol	7.21	94	10466	5.818	ng	86
19) n-Nitroso-di-n-propylamine	9.15	70	17663	13.884	ng	# 71
50) Dimethylphthalate	14.08	163	29701	5.132	ng	97
51) 2,6-Dinitrotoluene	14.62	165	10143	8.067	ng	# 25
57) 2,4-Dinitrotoluene	14.62	165	10143	5.645	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	7633	2.980	ng	# 1
77) Benzidine	19.98	184	11264	2.616	ng	# 86

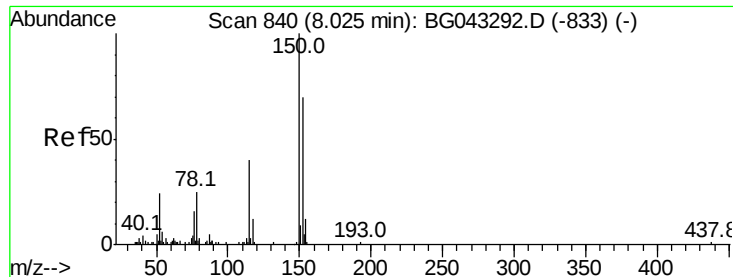
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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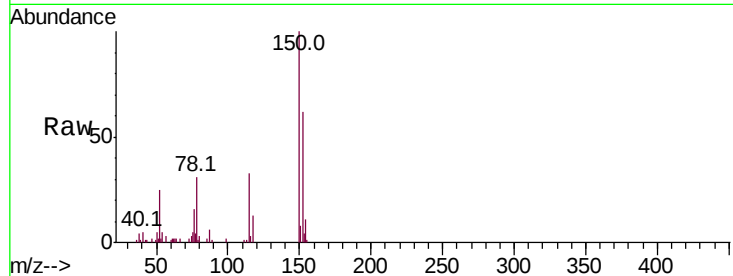


#1

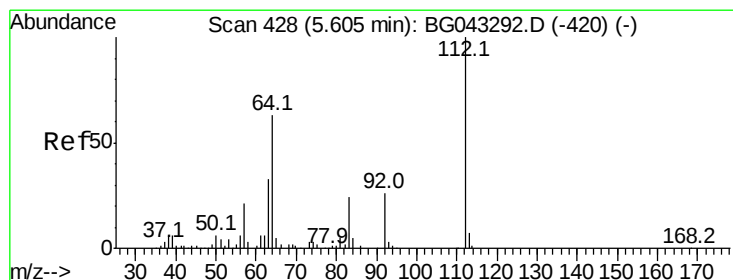
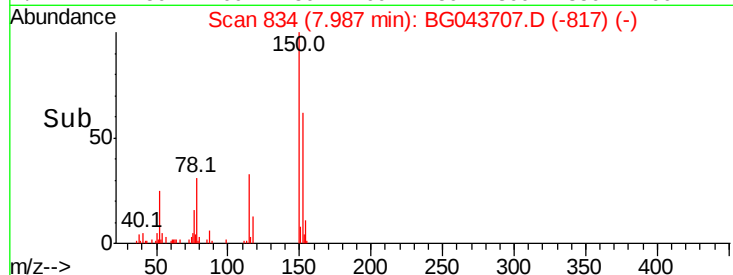
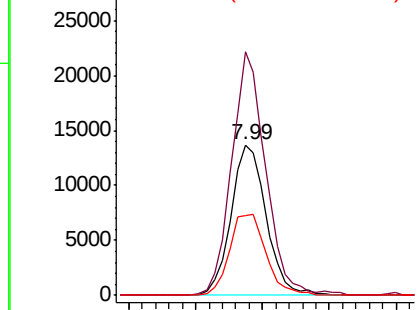
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043707.D
Acq: 19 Nov 2019 20:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25074
Ion Ratio Lower Upper
152 100
150 162.2 116.6 175.0
115 52.9 40.5 60.7



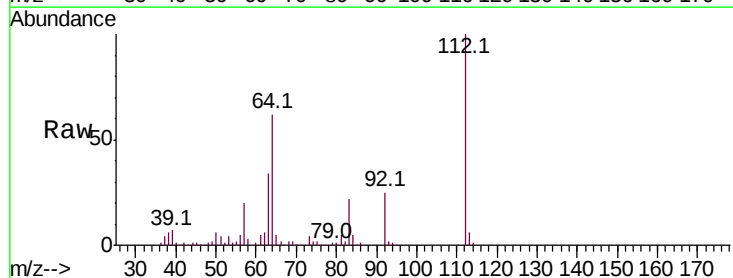
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



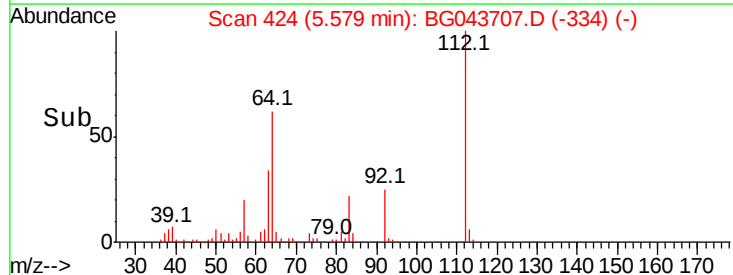
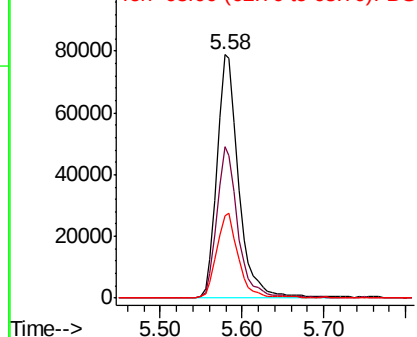
#5

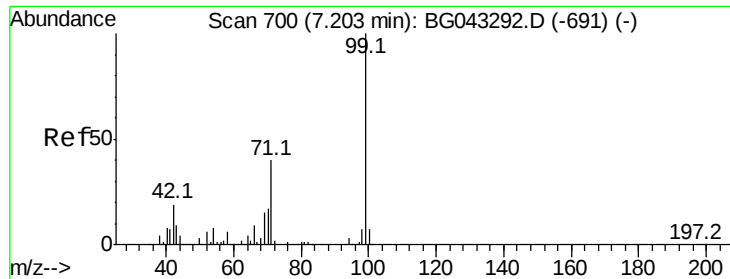
2-Fluorophenol
Concen: 107.224 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043707.D
Acq: 19 Nov 2019 20:52

Tgt Ion:112 Resp: 146718
Ion Ratio Lower Upper
112 100
64 62.3 50.6 75.8
63 33.8 30.5 45.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 102.071 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043707.D

Acq: 19 Nov 2019 20:52

Instrument :

BNA_G

ClientSampleId :

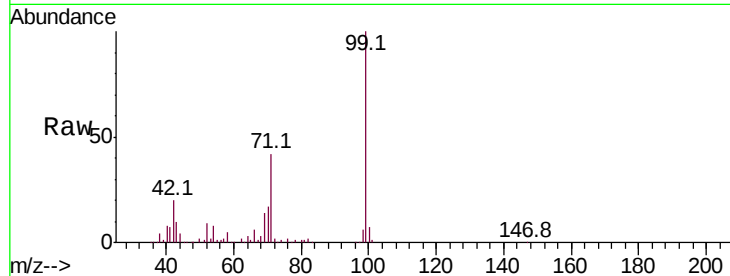
Tot Ion: 99 Resp: 200948

Ion Ratio Lower Upper

99 100

42 19.8 15.8 23.8

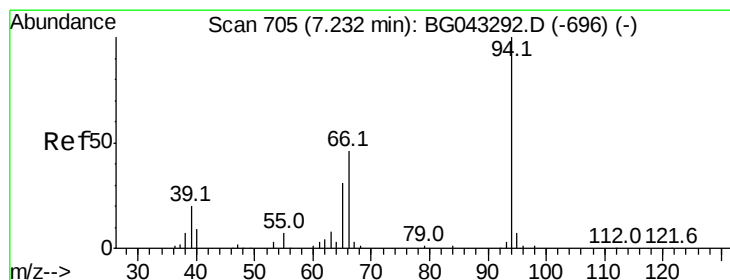
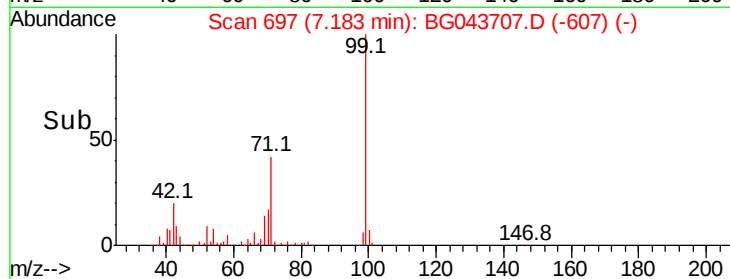
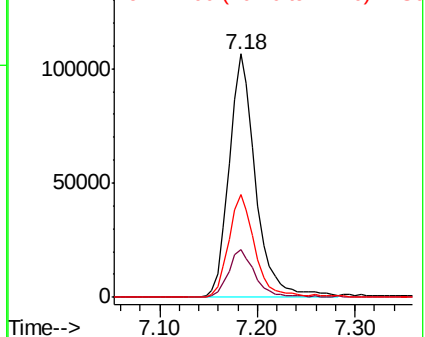
71 42.2 34.4 51.6



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



#10

Phenol

Concen: 5.818 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG043707.D

Acq: 19 Nov 2019 20:52

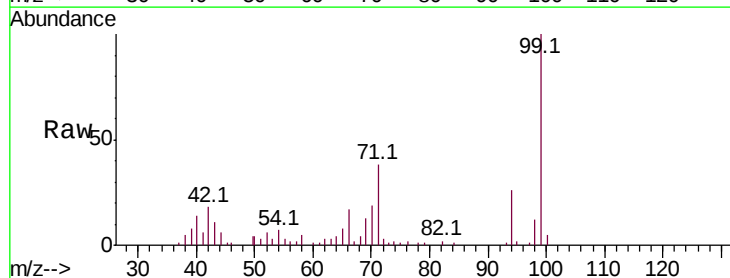
Tgt Ion: 94 Resp: 10466

Ion Ratio Lower Upper

94 100

65 30.3 11.4 51.4

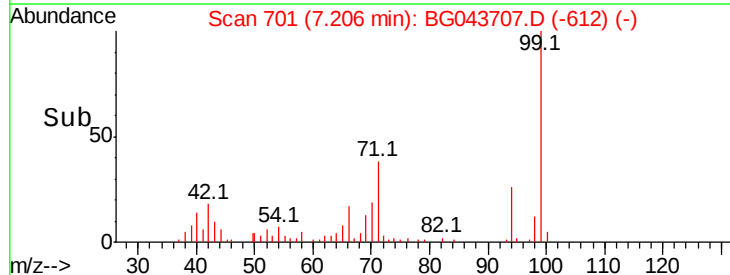
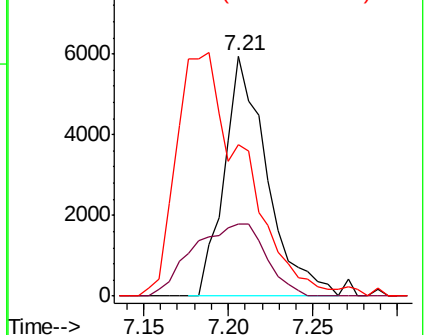
66 63.2 28.4 68.4

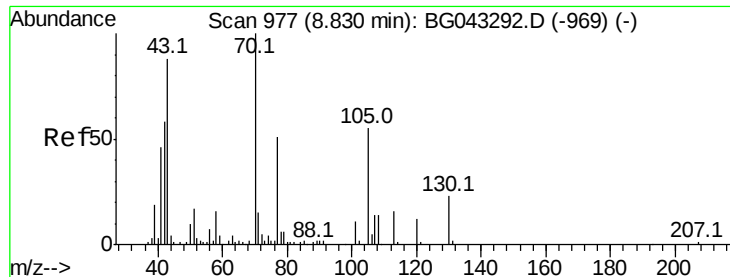


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

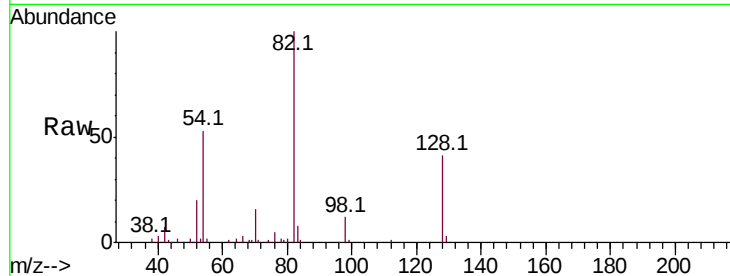




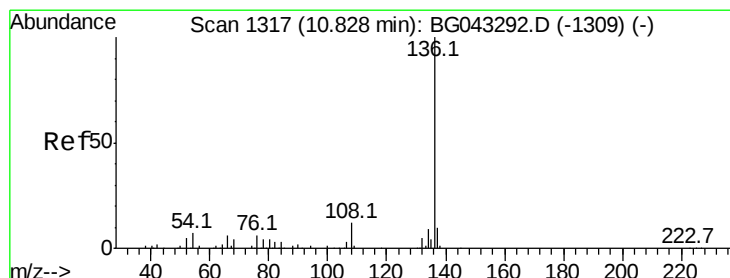
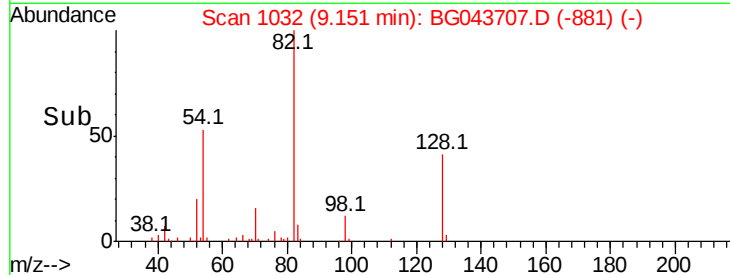
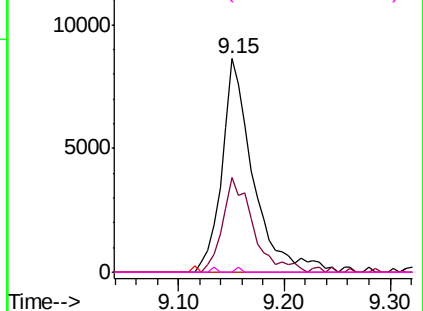
#19
n-Nitroso-di-n-propylamine
Concen: 13.884 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.36 min
Lab File: BG043707.D
Acq: 19 Nov 2019 20:52

Instrument :
BNA_G
ClientSampled :

Tot Ion: 70 Resp: 17663
Ion Ratio Lower Upper
70 100
42 44.2 49.7 74.5#
101 0.0 9.7 14.5#
130 0.0 17.7 26.5#



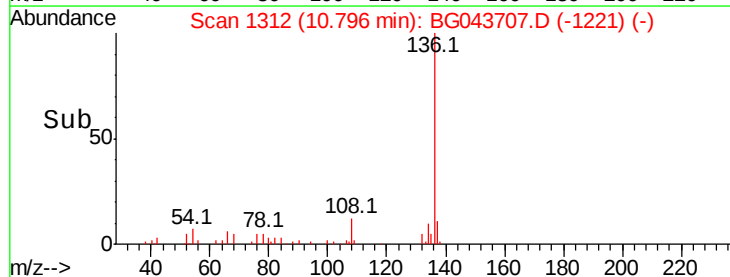
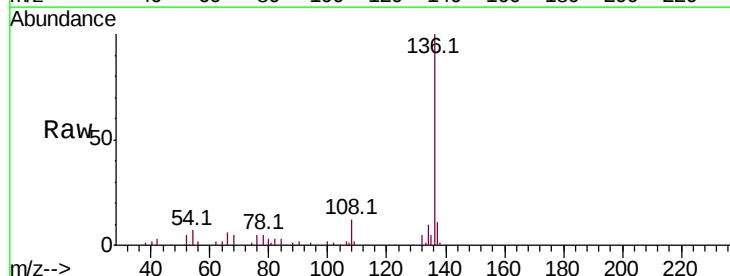
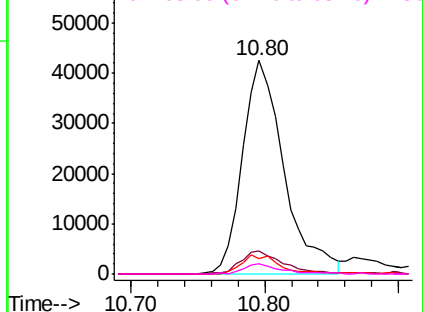
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

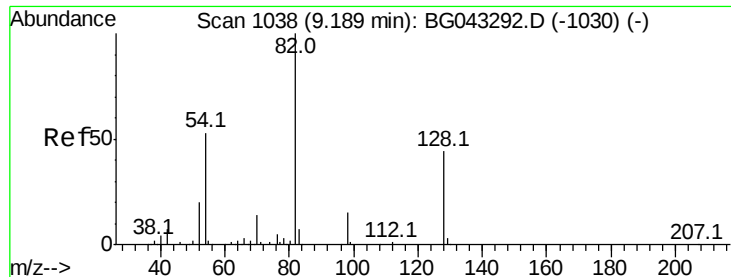


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG043707.D
Acq: 19 Nov 2019 20:52

Tgt Ion:136 Resp: 91438
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.1 6.2 9.2
68 4.7 3.4 5.0

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

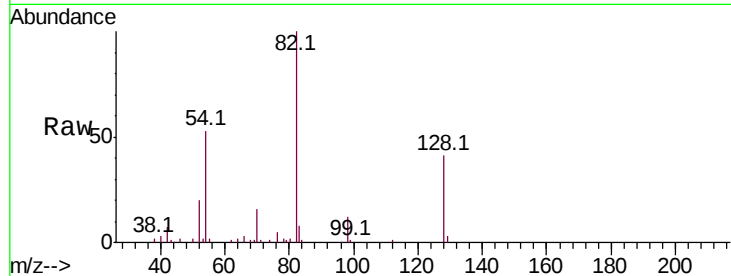




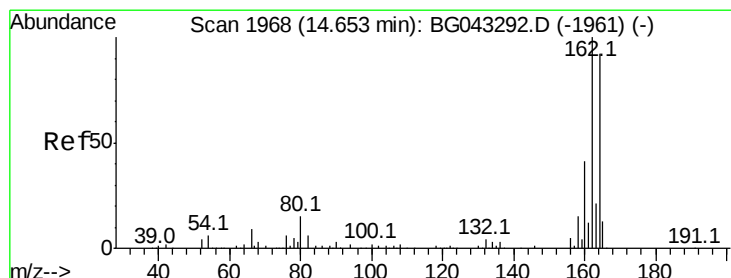
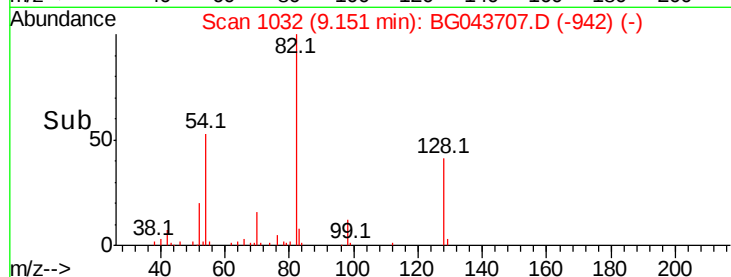
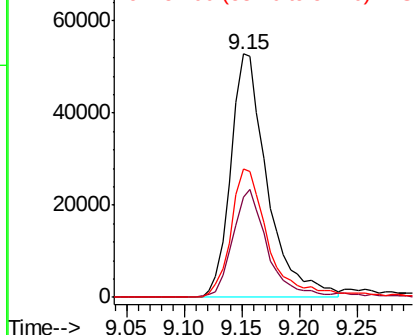
#23
 Nitrobenzene-d5
 Concen: 65.559 ng
 RT: 9.15 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BG043707.D
 Acq: 19 Nov 2019 20:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	116276
Ion Ratio	Lower	Upper	
82	100		
128	41.0	34.2	51.4
54	53.0	44.7	67.1

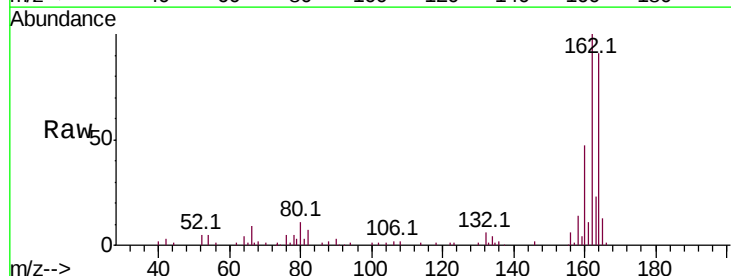


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

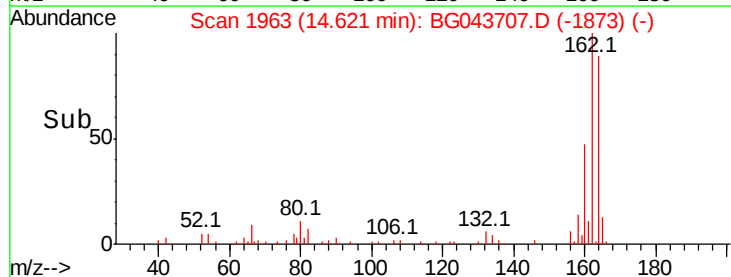
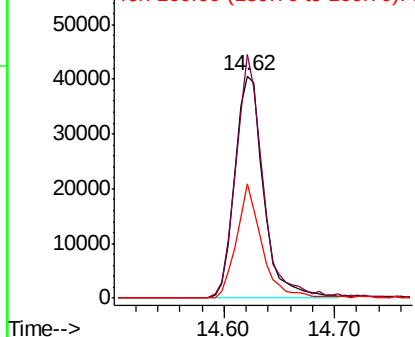


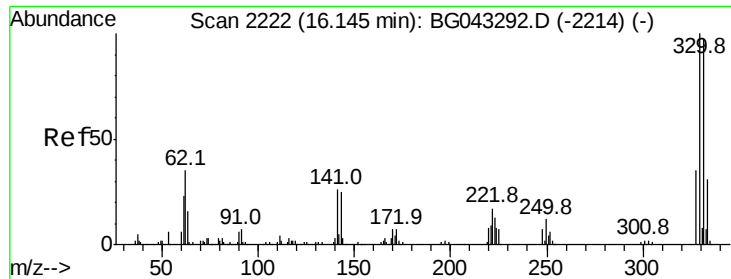
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: BG043707.D
 Acq: 19 Nov 2019 20:52

Tgt Ion	164	Resp	74721
Ion Ratio	Lower	Upper	
164	100		
162	109.5	79.4	119.2
160	51.2	36.3	54.5



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

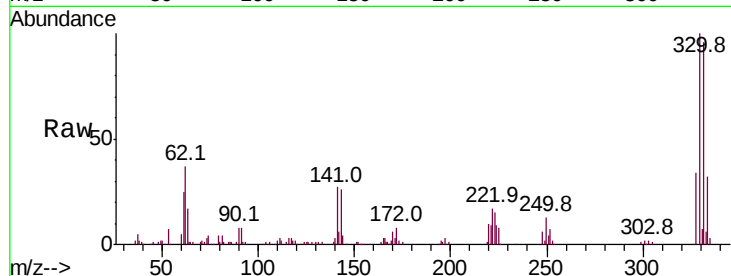




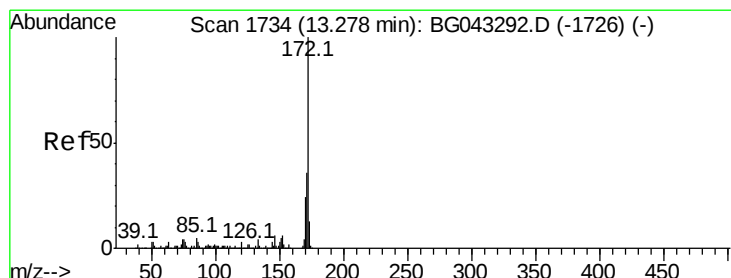
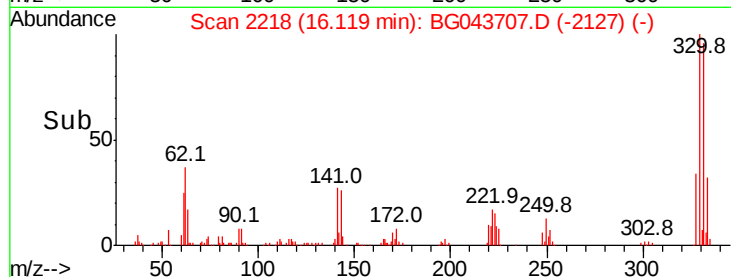
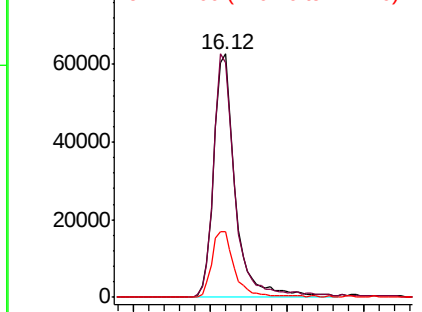
#42
 2,4,6-Tribromophenol
 Concen: 85.402 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BG043707.D
 Acq: 19 Nov 2019 20:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.6	115.0
141	28.0	23.4	35.2

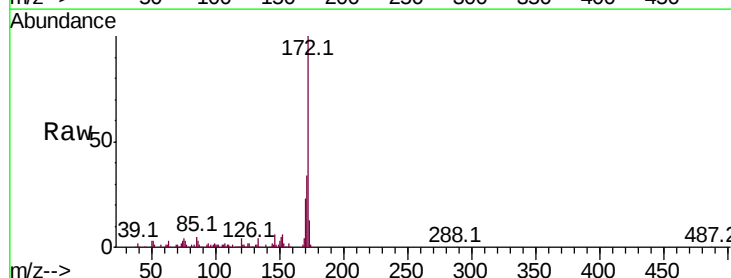


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

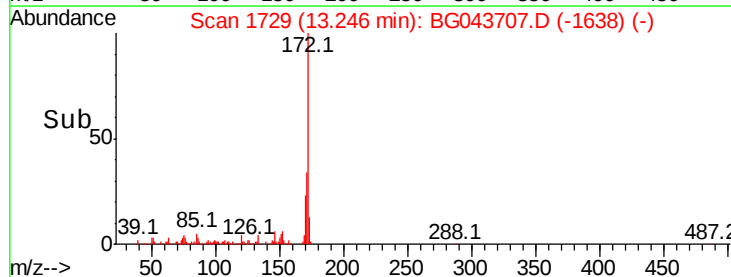
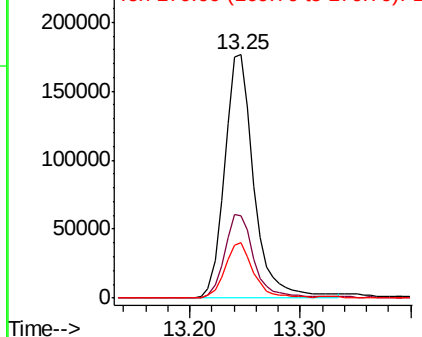


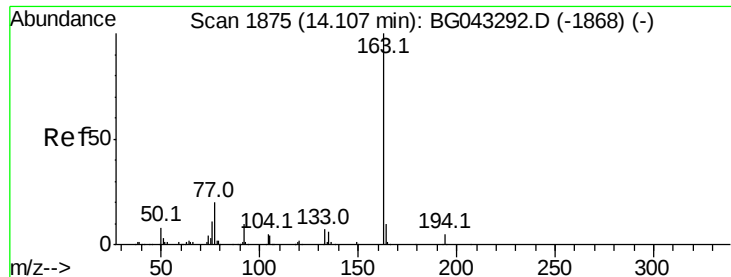
#45
 2-Fluorobiphenyl
 Concen: 60.858 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. 0.00 min
 Lab File: BG043707.D
 Acq: 19 Nov 2019 20:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.1	42.1
170	22.8	18.8	28.2



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

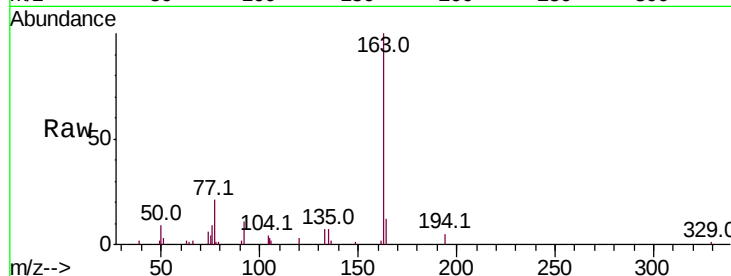




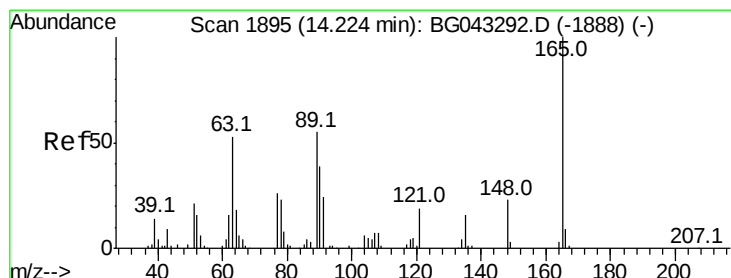
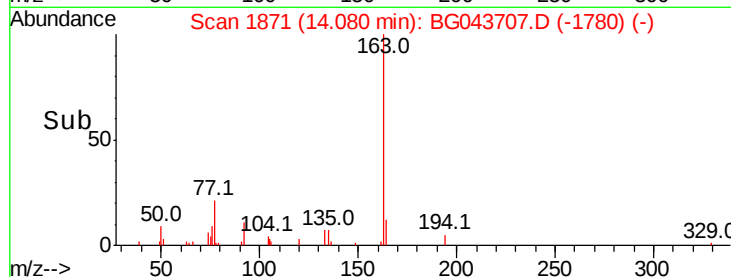
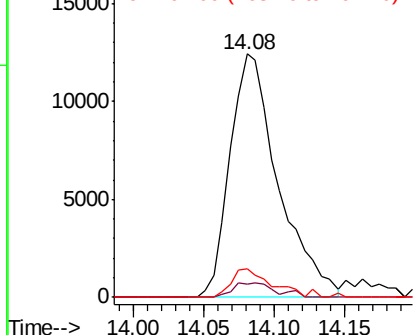
#50
Dimethylphthalate
Concen: 5.132 ng
RT: 14.08 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BG043707.D
Acq: 19 Nov 2019 20:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 29701
Ion Ratio Lower Upper
163 100
194 5.4 3.8 5.8
164 11.7 8.5 12.7

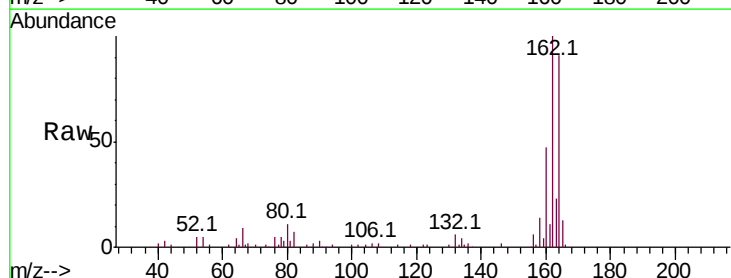


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

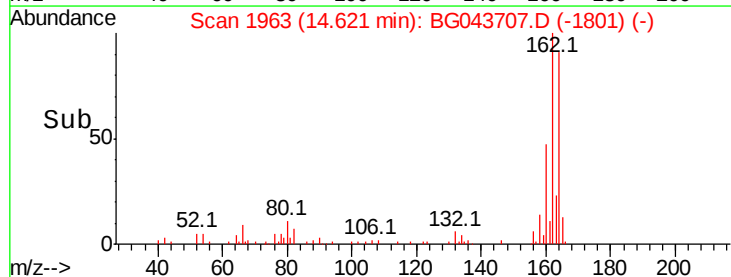
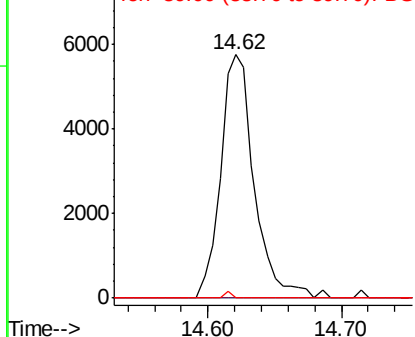


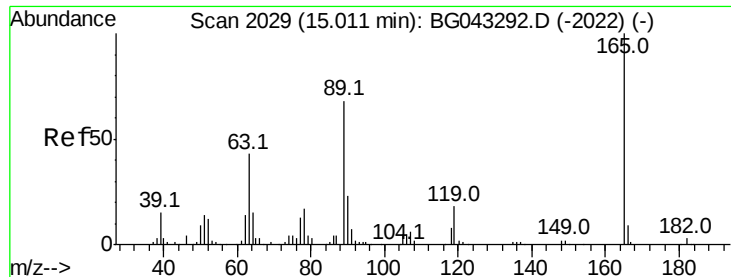
#51
2,6-Dinitrotoluene
Concen: 8.067 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.42 min
Lab File: BG043707.D
Acq: 19 Nov 2019 20:52

Tgt Ion:165 Resp: 10143
Ion Ratio Lower Upper
165 100
63 0.0 45.0 67.6#
89 0.0 39.8 59.8#



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

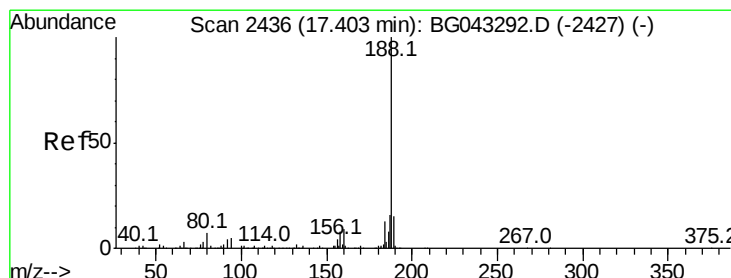
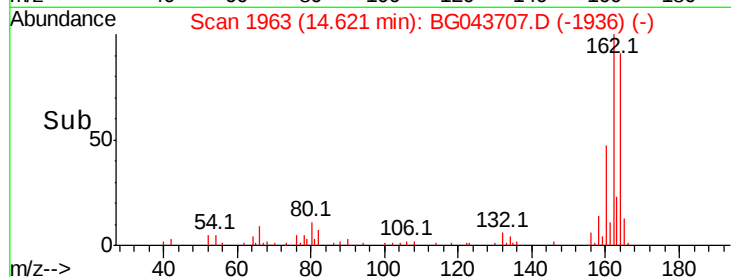
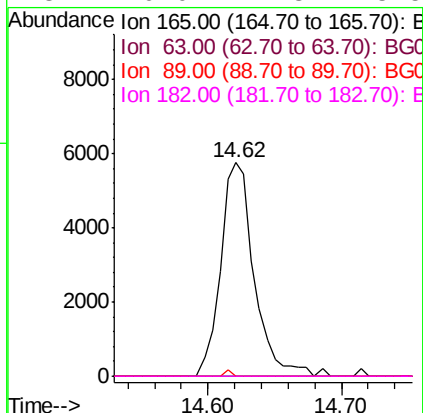
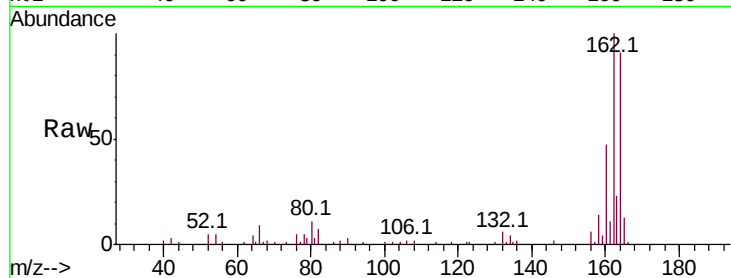




#57
 2,4-Dinitrotoluene
 Concen: 5.645 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.37 min
 Lab File: BG043707.D
 Acq: 19 Nov 2019 20:52

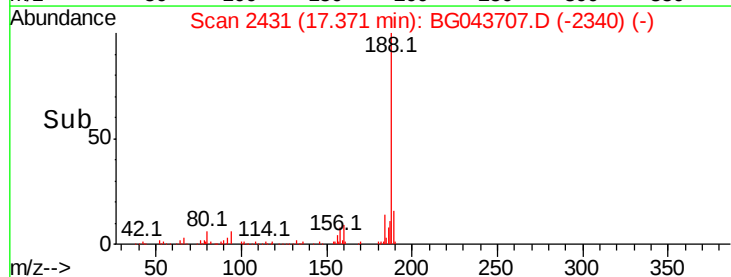
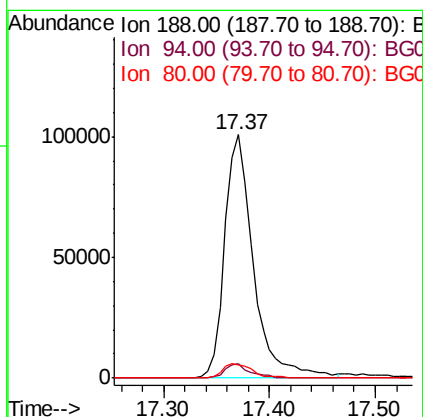
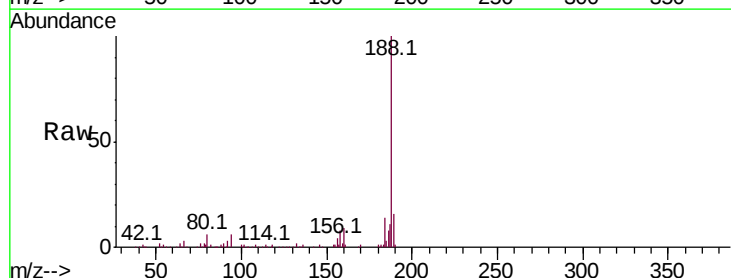
Instrument :
 BNA_G
 ClientSampleId :

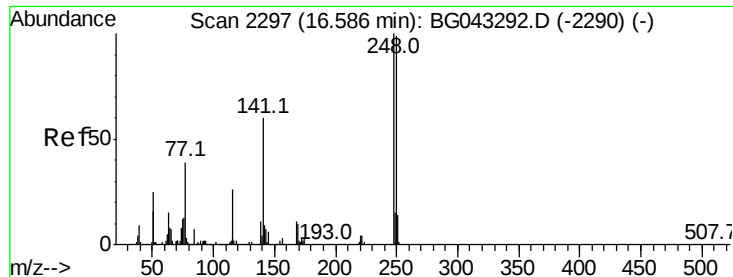
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.4	56.0#
89	0.0	50.9	76.3#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BG043707.D
 Acq: 19 Nov 2019 20:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.6	7.0
80	5.6	5.2	7.8

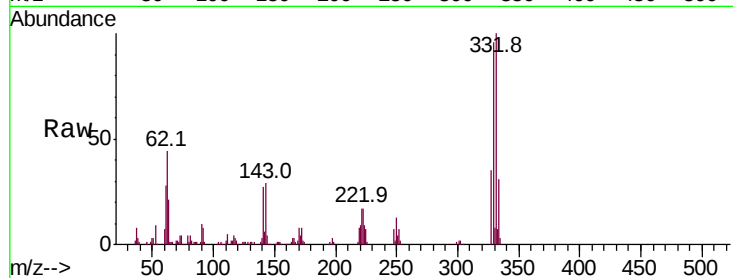




#67
4-Bromophenyl-phenylether
Concen: 2.980 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.44 min
Lab File: BG043707.D
Acq: 19 Nov 2019 20:52

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	205.5	76.3	114.5#
141	414.7	49.5	74.3#

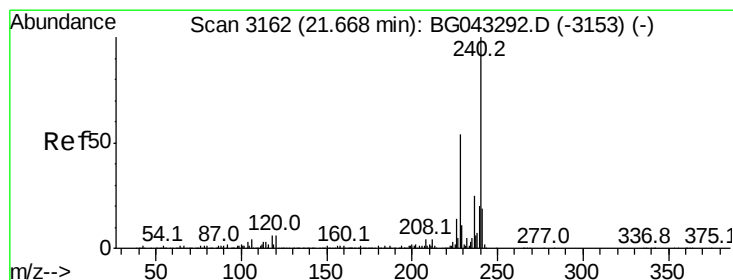
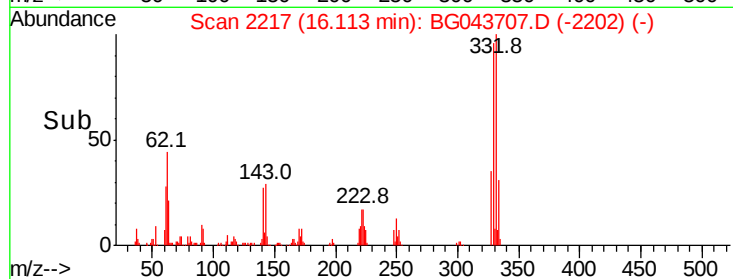
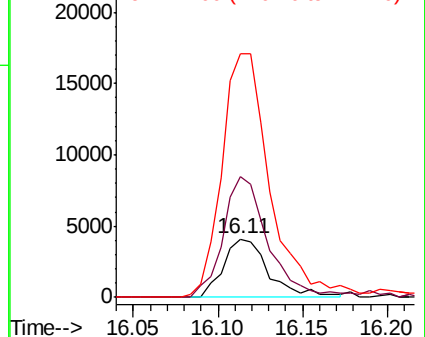


Abundance

Ion 248.00 (247.70 to 248.70): E

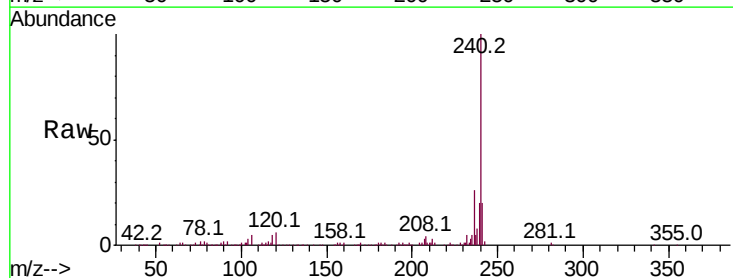
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG043707.D
Acq: 19 Nov 2019 20:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.9	7.3
236	26.4	21.4	32.0

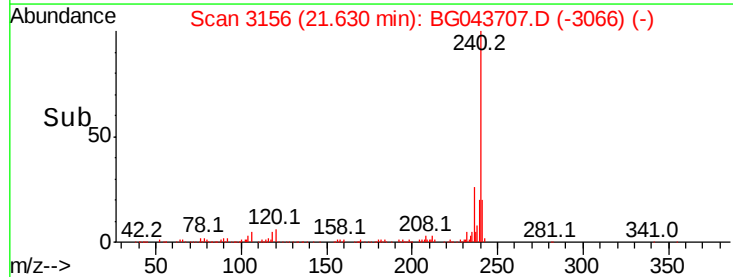
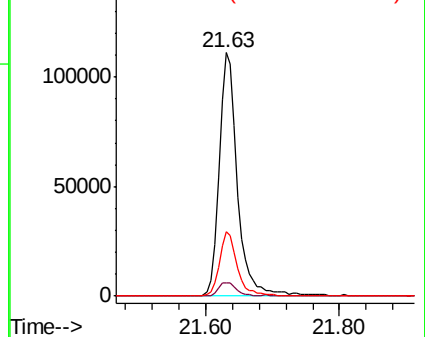


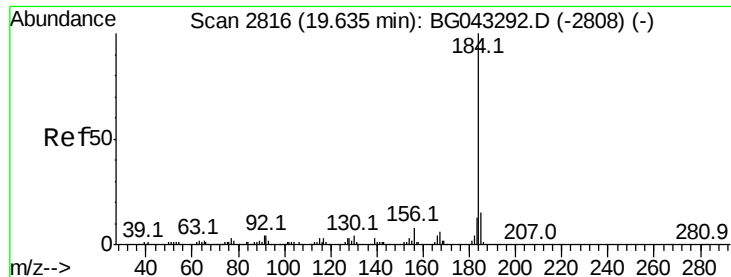
Abundance

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: 2.616 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.37 min

Lab File: BG043707.D

Acq: 19 Nov 2019 20:52

Instrument :

BNA_G

ClientSampleId :

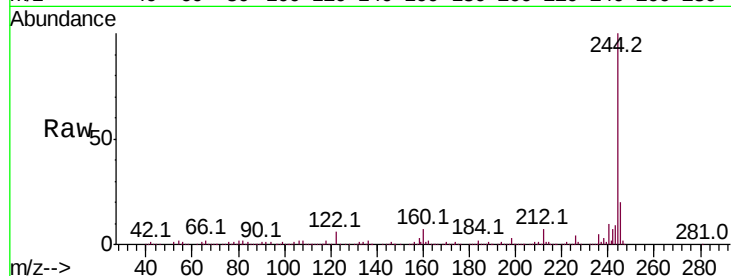
Tot Ion:184 Resp: 11264

Ion Ratio Lower Upper

184 100

185 9.8 12.7 19.1#

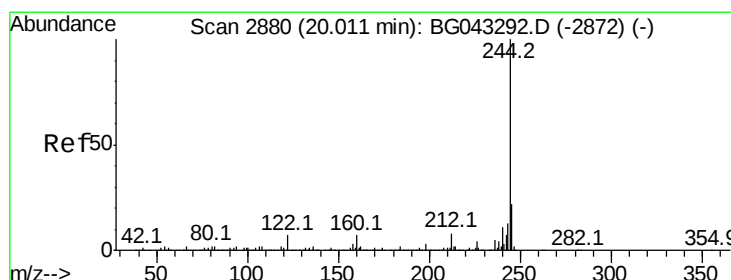
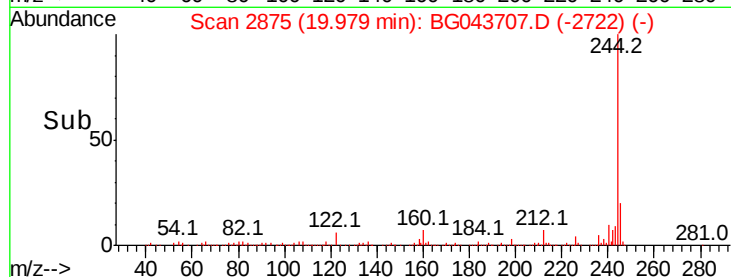
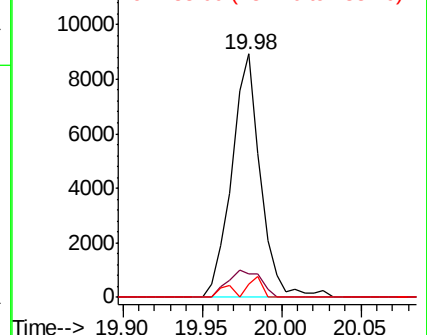
183 5.6 8.8 13.2#



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: 65.491 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043707.D

Acq: 19 Nov 2019 20:52

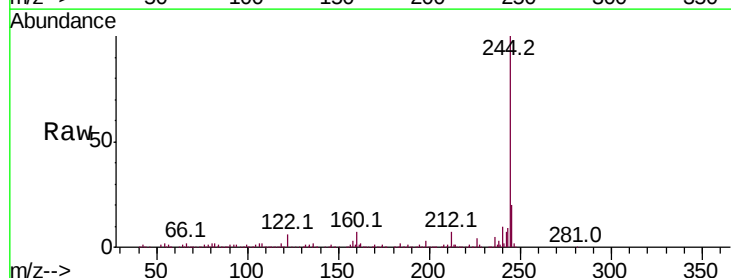
Tgt Ion:244 Resp: 746804

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

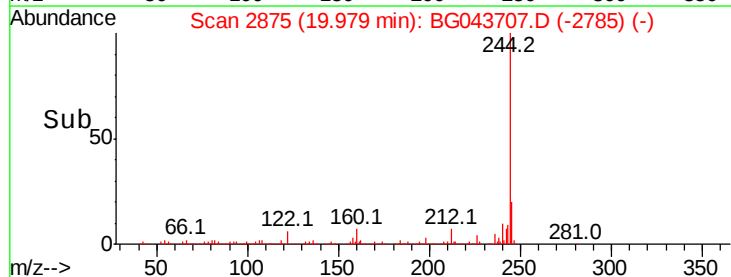
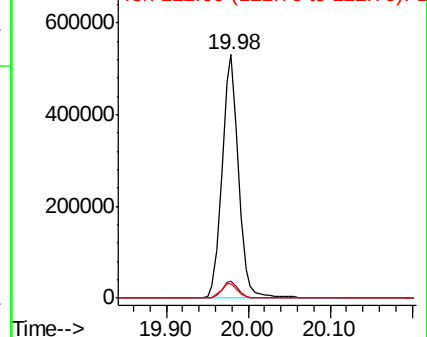
122 6.0 5.2 7.8

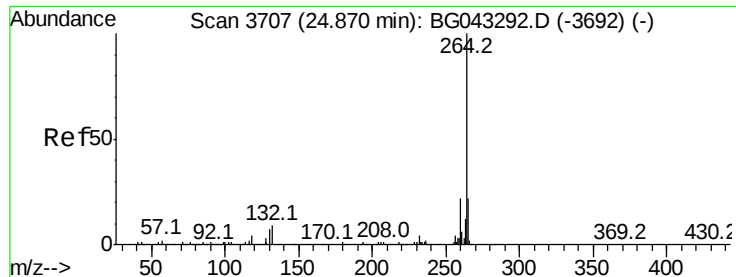


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3697

Delta R.T. -0.00 min

Lab File: BG043707.D

Acq: 19 Nov 2019 20:52

Instrument :

BNA_G

ClientSampleId :

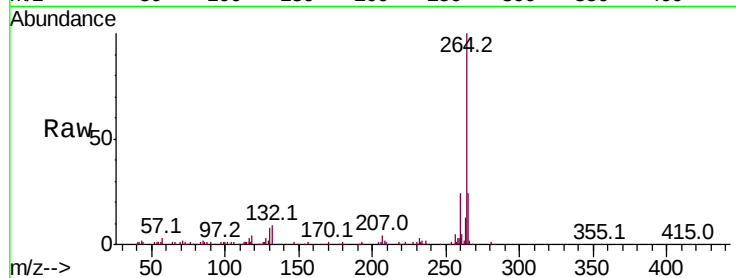
Tot Ion:264 Resp: 245074

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 24.1 15.8 23.8#



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

