

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041696.D
 Acq On : 17 Jul 2019 20:21
 Operator : HP/JU
 Sample : K3835-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-1(7-9)

Quant Time: Jul 18 07:11:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	96681	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	388545	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	241233	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	624577	20.00	ng	0.00
76) Chrysene-d12	21.65	240	651249	20.00	ng	-0.01
87) Perylene-d12	24.85	264	740921	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	718423	121.48	ng	0.00
7) Phenol-d6	7.20	99	991770	124.68	ng	0.00
23) Nitrobenzene-d5	9.20	82	603817	94.51	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	430740	158.44	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1372083	88.08	ng	0.00
79) Terphenyl-d14	20.00	244	2200785	78.97	ng	0.00

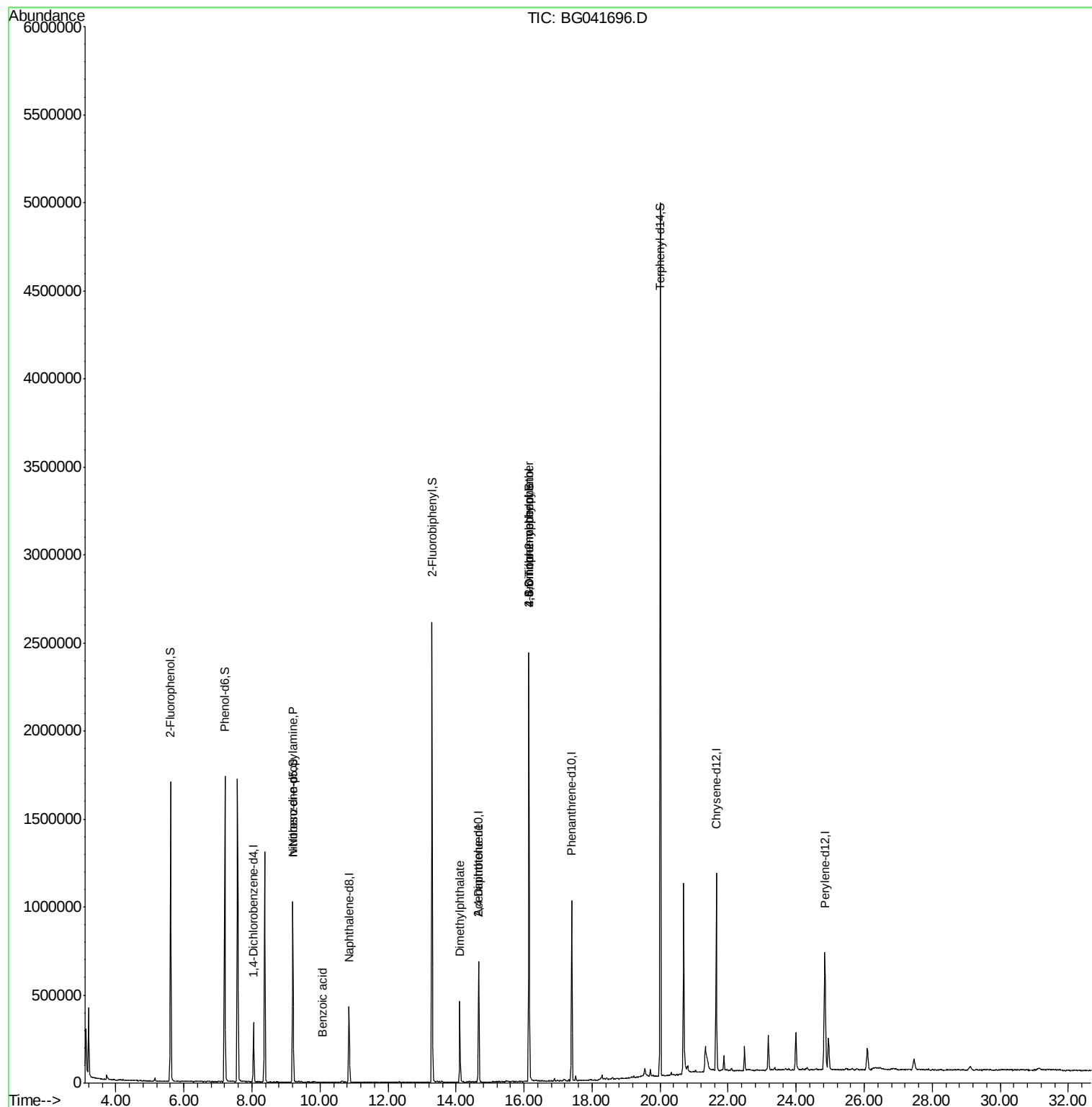
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1756	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	82785	14.238	ng	# 70
32) Benzoic acid	10.07	122	67	6.026	ng	# 40
50) Dimethylphthalate	14.11	163	319521	16.865	ng	# 97
57) 2,4-Dinitrotoluene	14.66	165	32283	6.077	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.14	198	1560	7.127	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	34456	4.636	ng	# 1
77) Benzidine	20.00	184	39590	Below Cal	#	91

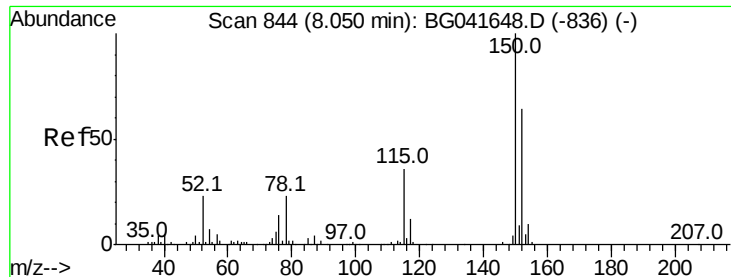
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BG041696.D

Acq: 17 Jul 2019 20:21

Instrument :

BNA_G

ClientSampleId :

SB-1(7-9)

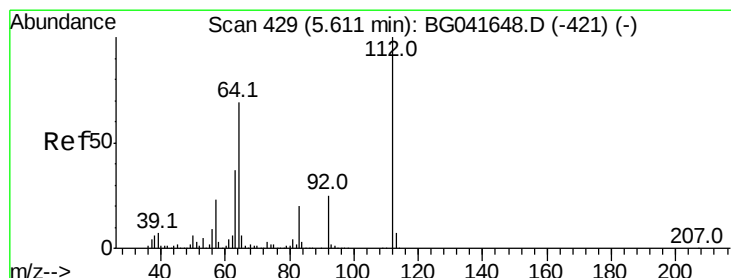
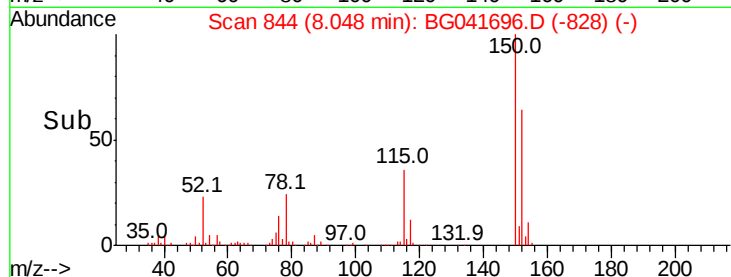
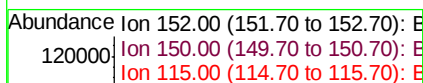
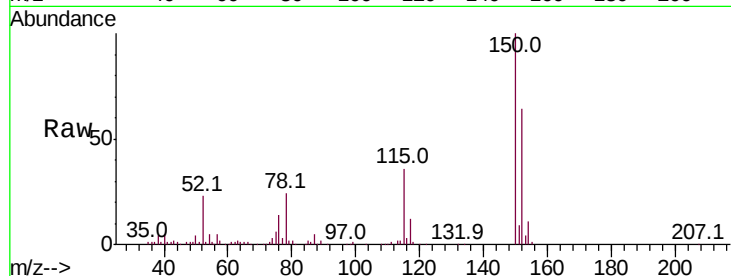
Tot Ion:152 Resp: 96681

Ion Ratio Lower Upper

152 100

150 157.1 126.9 190.3

115 56.8 45.0 67.6



#5

2-Fluorophenol

Concen: 121.476 ng

RT: 5.61 min Scan# 429

Delta R.T. -0.00 min

Lab File: BG041696.D

Acq: 17 Jul 2019 20:21

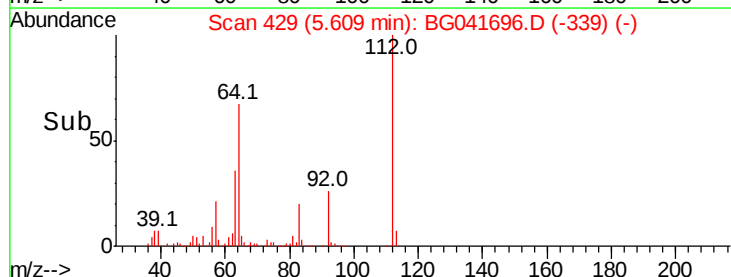
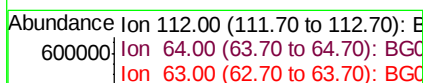
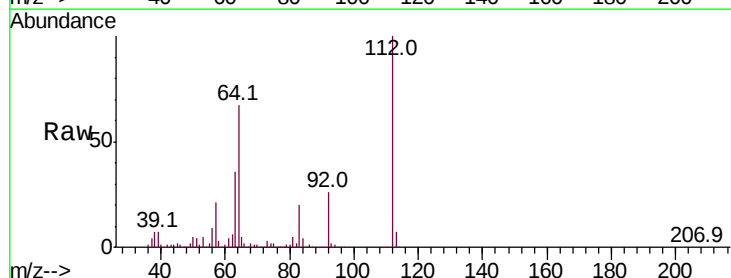
Tgt Ion:112 Resp: 718423

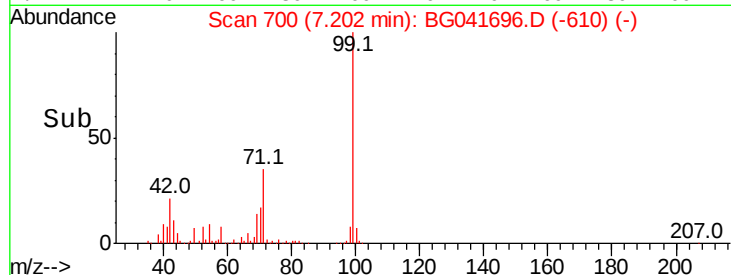
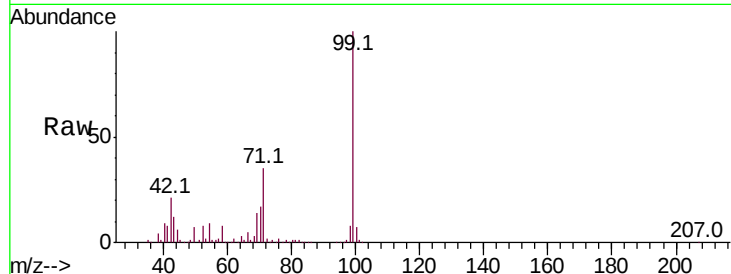
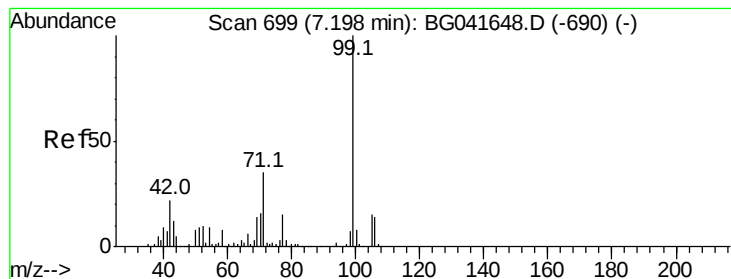
Ion Ratio Lower Upper

112 100

64 67.4 55.4 83.2

63 36.1 29.1 43.7





#7

Phenol-d6

Concen: 124.677 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041696.D

Acq: 17 Jul 2019 20:21

Instrument :

BNA_G

ClientSampleId :

SB-1(7-9)

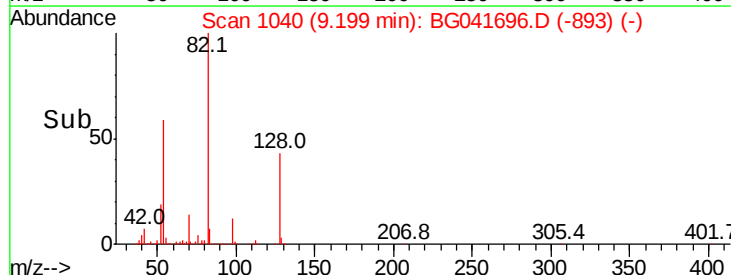
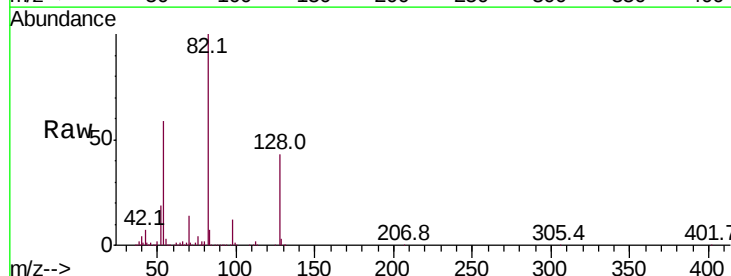
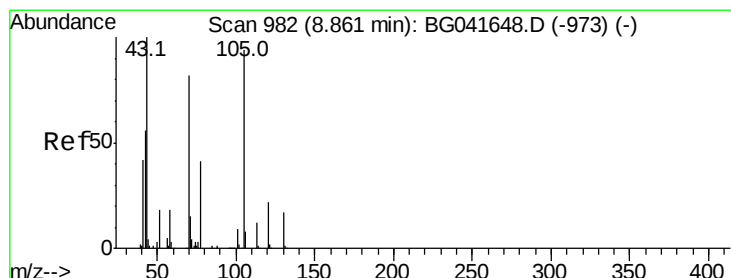
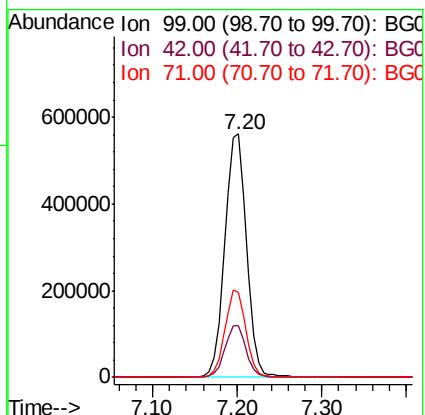
Tot Ion: 99 Resp: 991770

Ion Ratio Lower Upper

99 100

42 21.3 17.6 26.4

71 35.0 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.238 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.33 min

Lab File: BG041696.D

Acq: 17 Jul 2019 20:21

Tgt Ion: 70 Resp: 82785

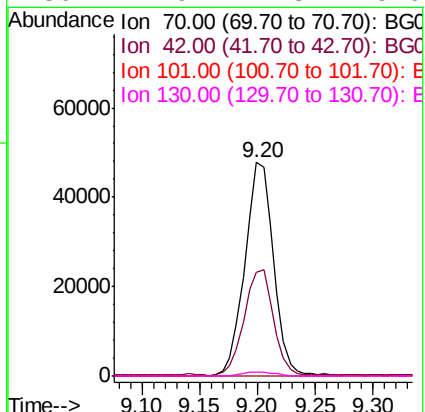
Ion Ratio Lower Upper

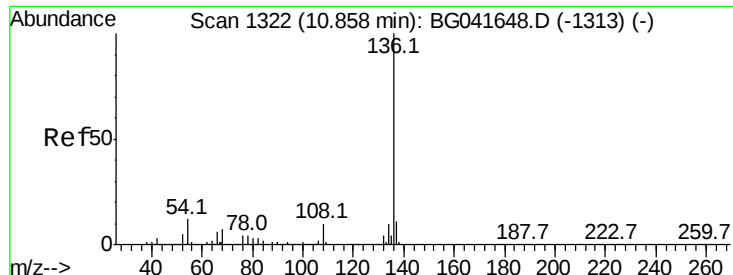
70 100

42 48.4 55.8 83.6#

101 0.0 8.1 12.1#

130 1.9 17.3 25.9#

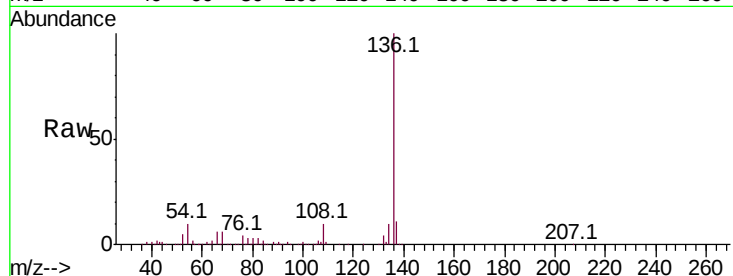




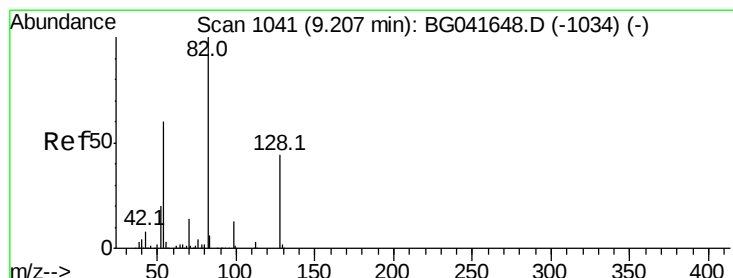
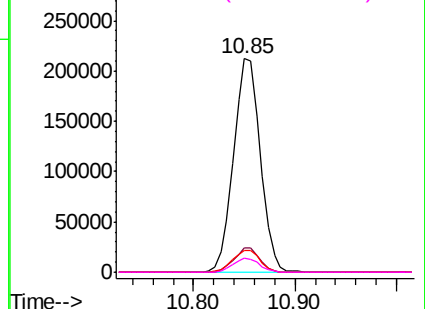
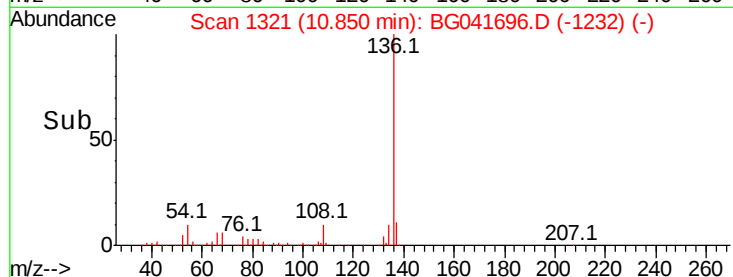
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041696.D
Acq: 17 Jul 2019 20:21

Instrument :
BNA_G
ClientSampleId :
SB-1(7-9)

Tot Ion:	136	Resp:	388545
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	10.3	8.7	13.1
68	6.4	5.5	8.3

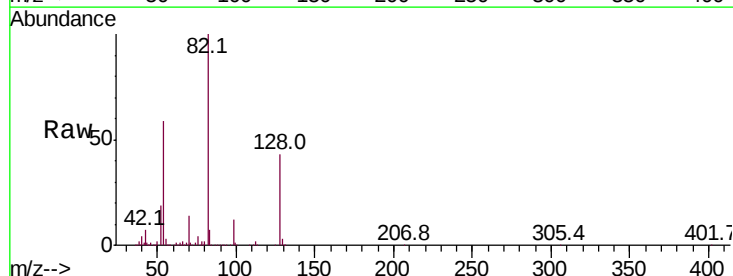


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

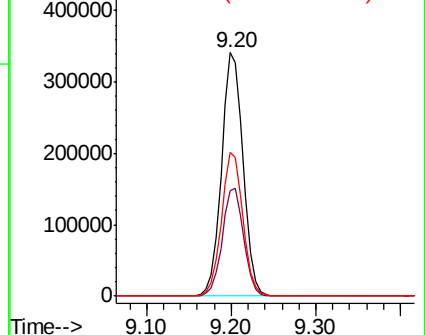
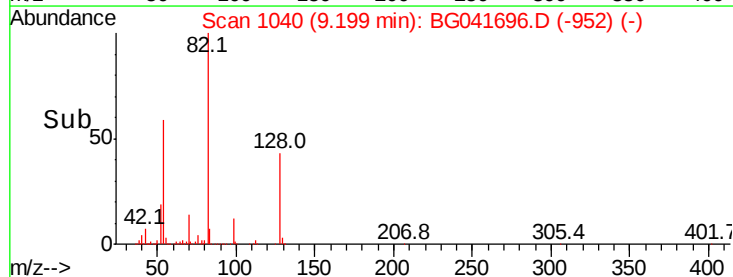


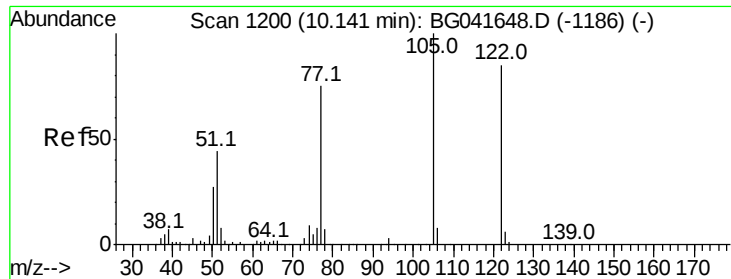
#23
Nitrobenzene-d5
Concen: 94.509 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041696.D
Acq: 17 Jul 2019 20:21

Tgt Ion:	82	Resp:	603817
Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.1	52.7
54	59.2	48.7	73.1



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





#32

Benzoic acid

Concen: 6.026 ng

RT: 10.07 min Scan# 1189

Delta R.T. -0.09 min

Lab File: BG041696.D

Acq: 17 Jul 2019 20:21

Instrument :

BNA_G

ClientSampleId :

SB-1(7-9)

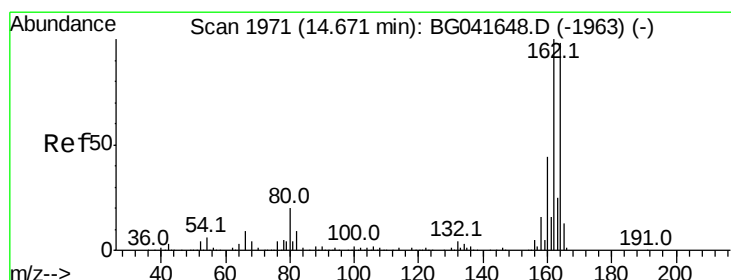
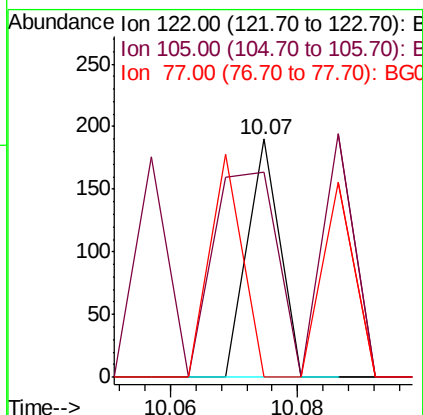
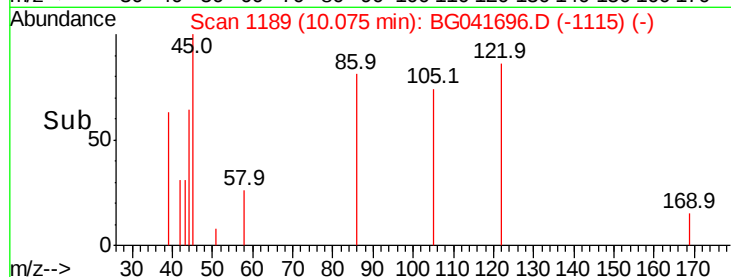
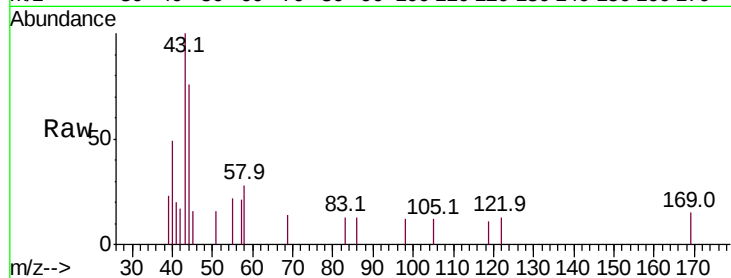
Tot Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 86.3 101.5 141.5#

77 0.0 73.0 113.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG041696.D

Acq: 17 Jul 2019 20:21

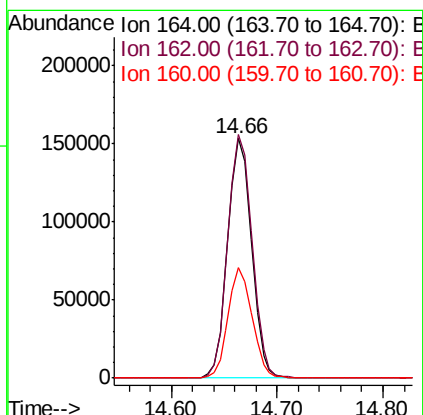
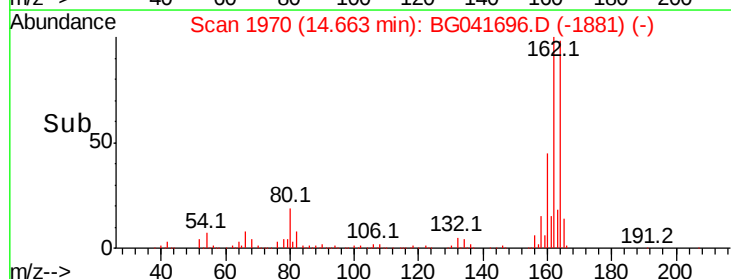
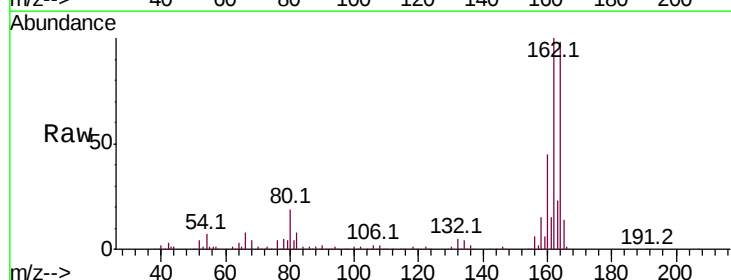
Tgt Ion:164 Resp: 241233

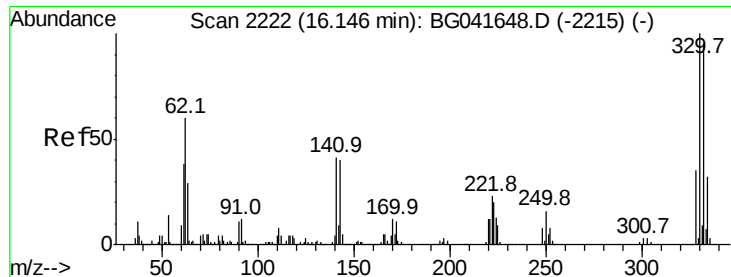
Ion Ratio Lower Upper

164 100

162 101.6 79.6 119.4

160 46.0 35.4 53.0

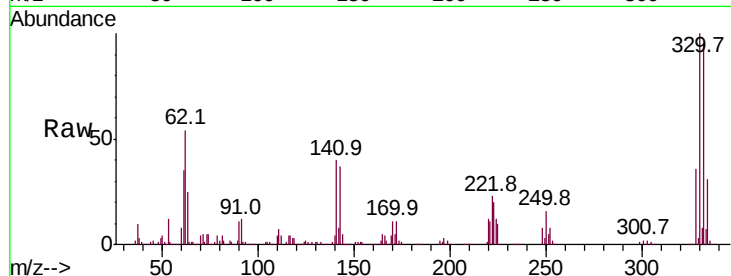




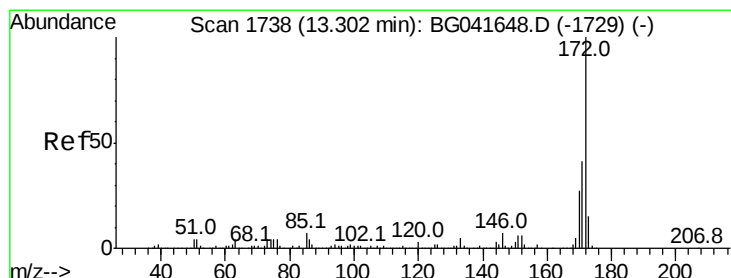
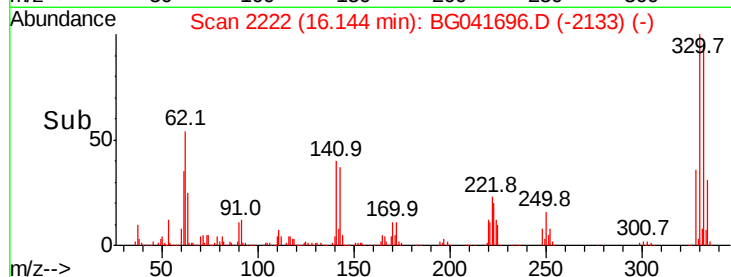
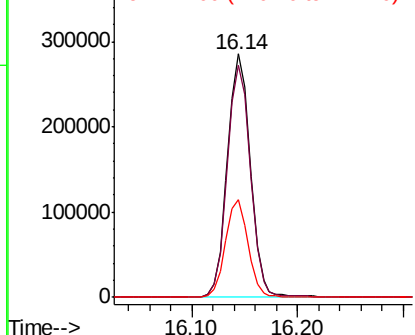
#42
 2,4,6-Tribromophenol
 Concen: 158.439 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041696.D
 Acq: 17 Jul 2019 20:21

Instrument :
 BNA_G
 ClientSampleId :
 SB-1(7-9)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.0
141	39.9	31.9	47.9

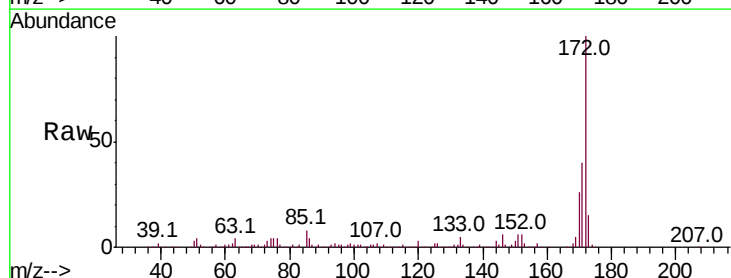


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

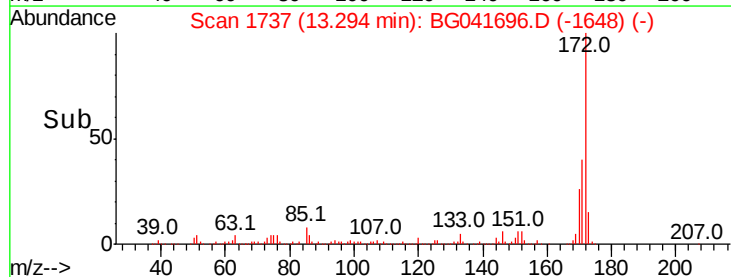
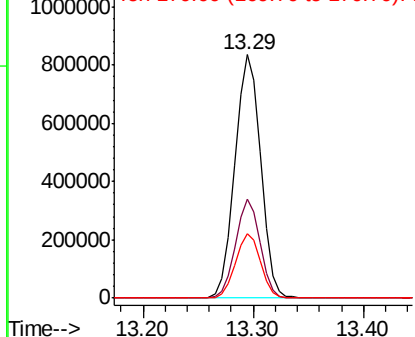


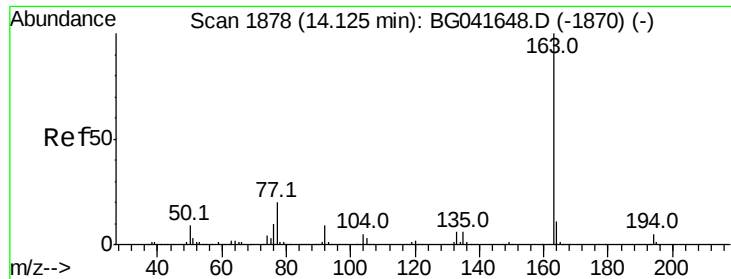
#45
 2-Fluorobiphenyl
 Concen: 88.075 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG041696.D
 Acq: 17 Jul 2019 20:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.4	35.0	52.4
170	26.5	23.5	35.3



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: 16.865 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BG041696.D

Acq: 17 Jul 2019 20:21

Instrument :

BNA_G

ClientSampleId :

SB-1(7-9)

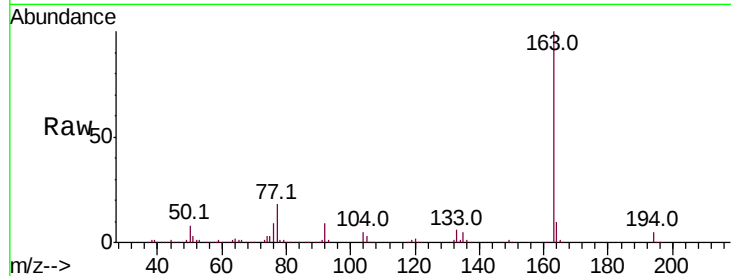
Tot Ion:163 Resp: 319521

Ion Ratio Lower Upper

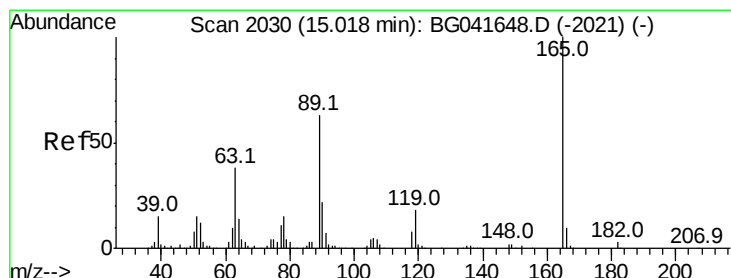
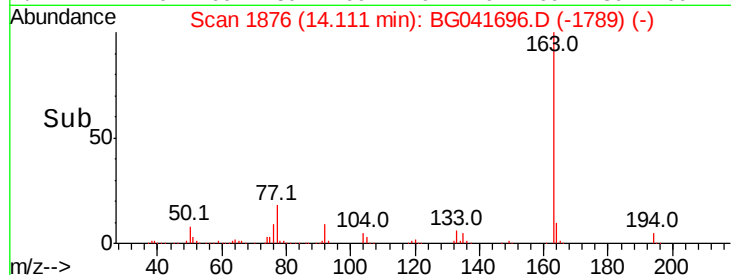
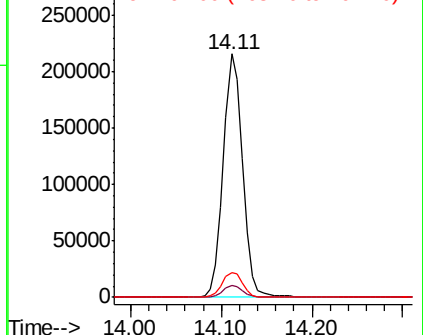
163 100

194 4.7 4.2 6.2

164 10.3 9.4 14.2



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



#57

2,4-Dinitrotoluene

Concen: 6.077 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG041696.D

Acq: 17 Jul 2019 20:21

Tgt Ion:165 Resp: 32283

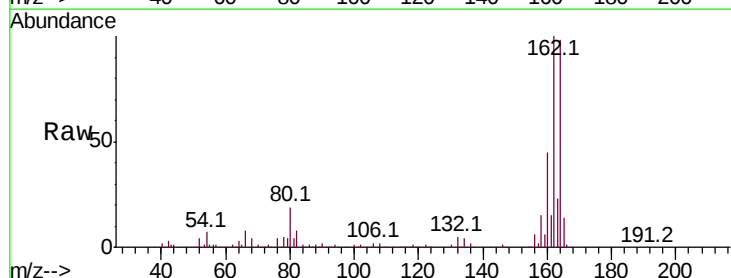
Ion Ratio Lower Upper

165 100

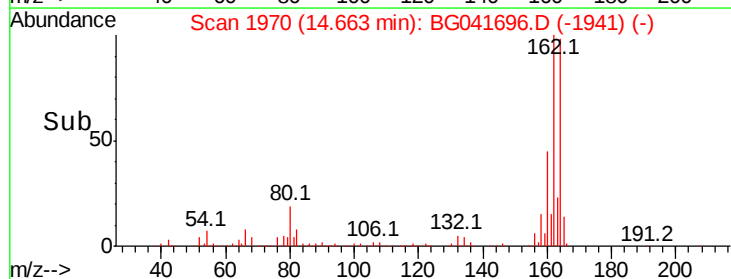
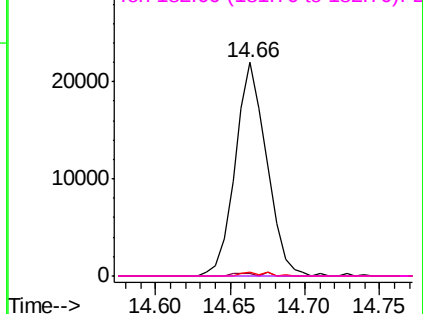
63 1.0 31.7 47.5#

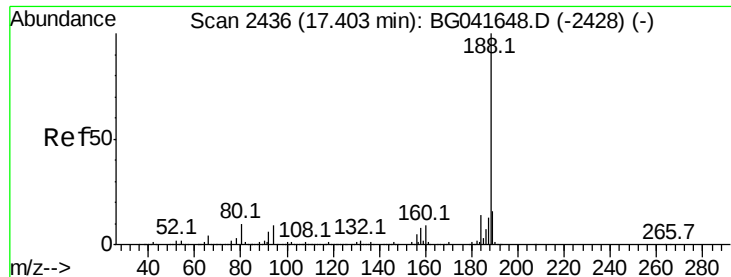
89 1.6 50.2 75.4#

182 0.0 2.6 4.0#



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

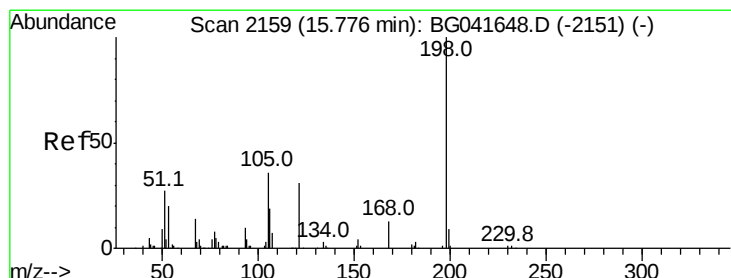
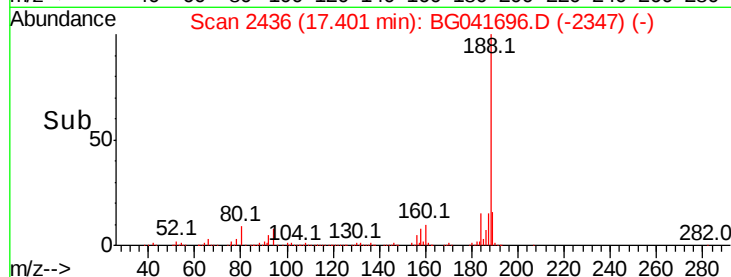
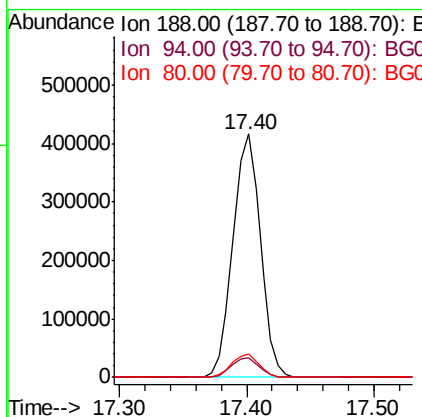
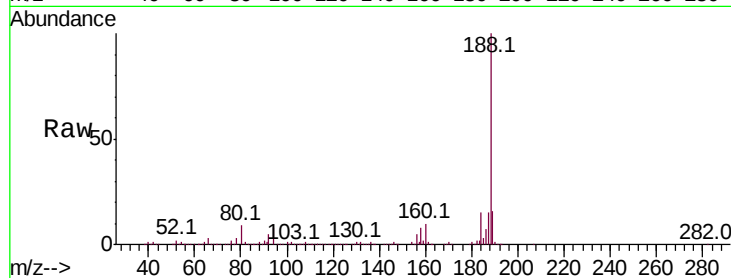




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.01 min
Lab File: BG041696.D
Acq: 17 Jul 2019 20:21

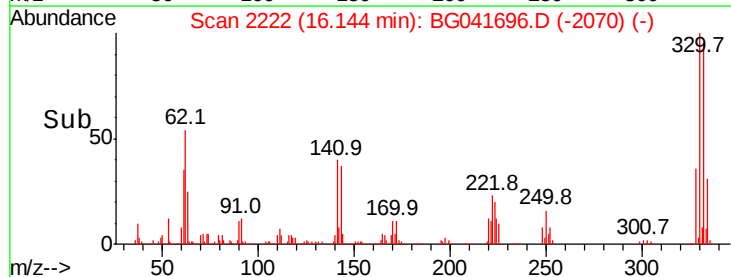
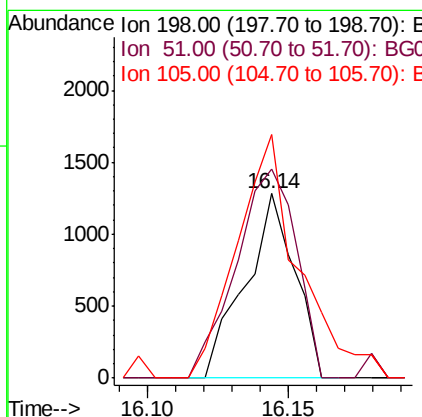
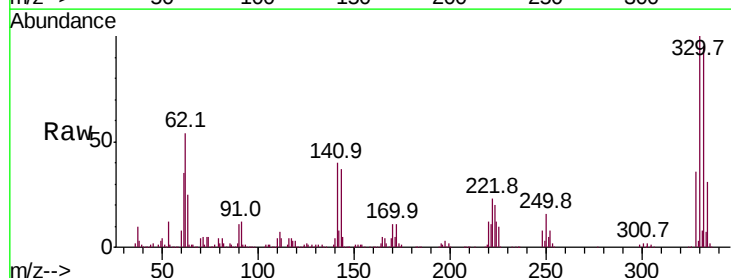
Instrument :
BNA_G
ClientSampleId :
SB-1(7-9)

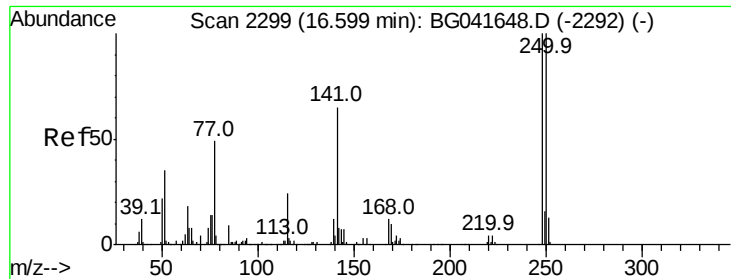
Tot Ion:188 Resp: 624577
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 9.5 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 7.127 ng
RT: 16.14 min Scan# 2222
Delta R.T. 0.36 min
Lab File: BG041696.D
Acq: 17 Jul 2019 20:21

Tgt Ion:198 Resp: 1560
Ion Ratio Lower Upper
198 100
51 113.2 22.3 62.3#
105 132.0 18.0 58.0#





#67

4-Bromophenyl-phenylether

Concen: 4.636 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.46 min

Lab File: BG041696.D

Acq: 17 Jul 2019 20:21

Instrument :

BNA_G

ClientSampleId :

SB-1(7-9)

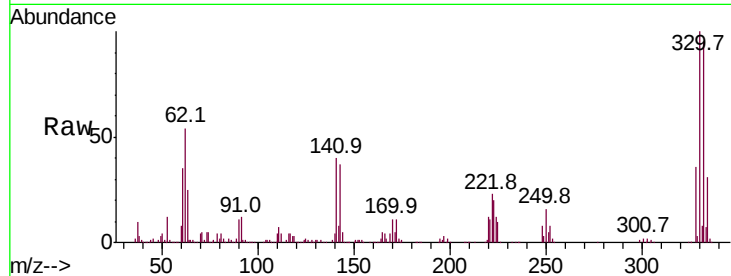
Tot Ion:248 Resp: 34456

Ion Ratio Lower Upper

248 100

250 205.1 78.1 117.1#

141 511.7 49.6 74.4#

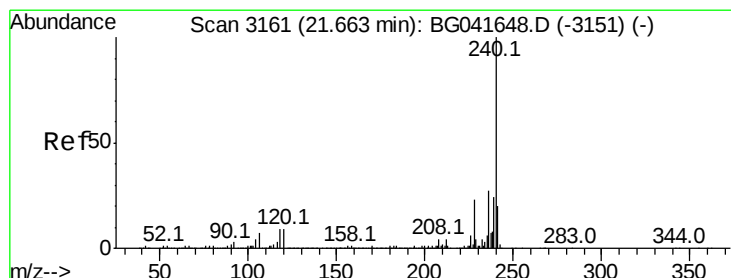
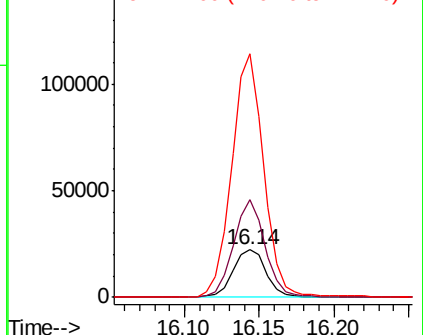
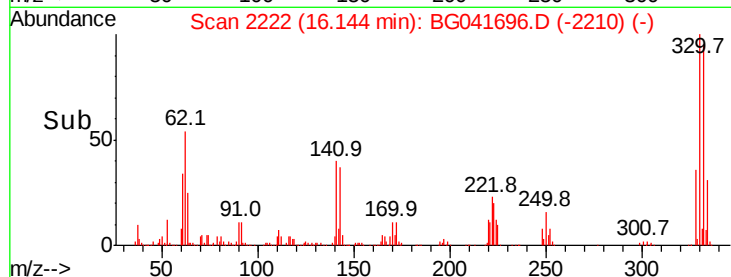


Abundance

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: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG041696.D

Acq: 17 Jul 2019 20:21

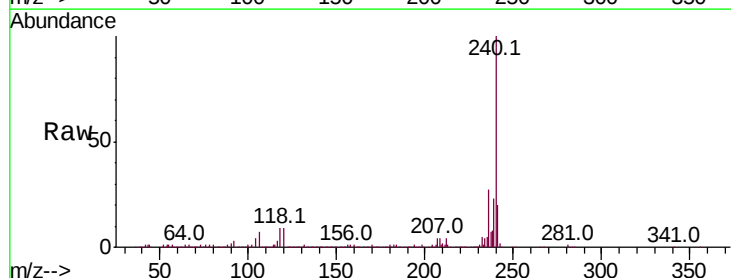
Tgt Ion:240 Resp: 651249

Ion Ratio Lower Upper

240 100

120 9.2 8.0 12.0

236 27.1 22.6 33.8

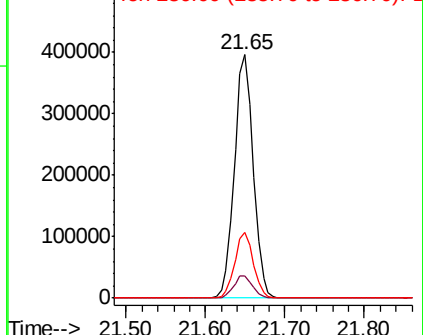
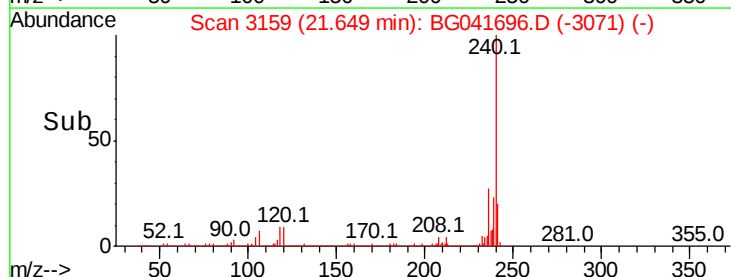


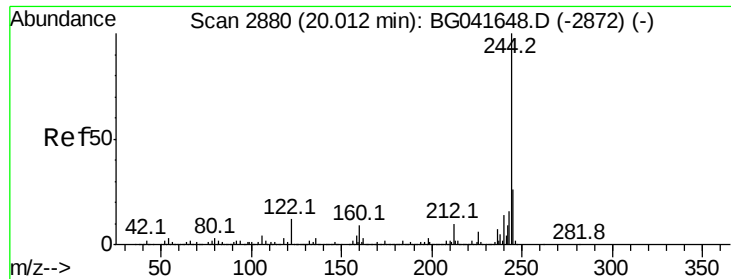
Abundance

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



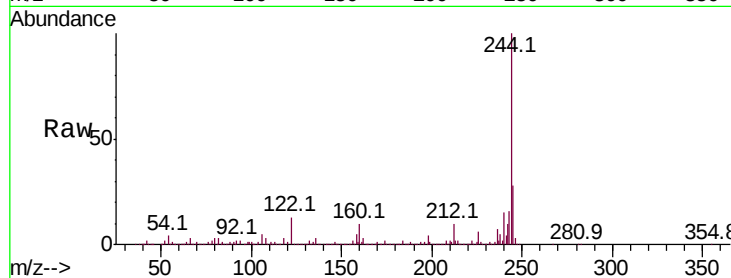


#79
 Terphenyl-d14
 Concen: 78.971 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG041696.D
 Acq: 17 Jul 2019 20:21

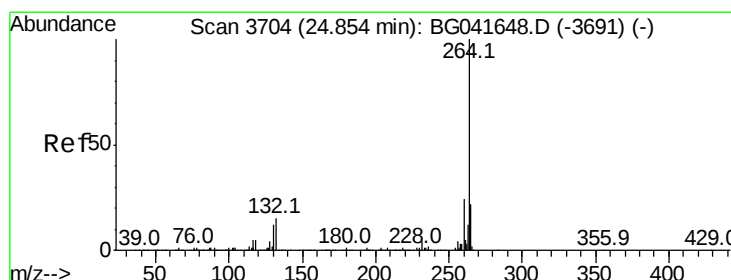
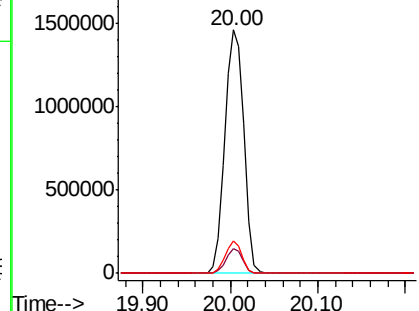
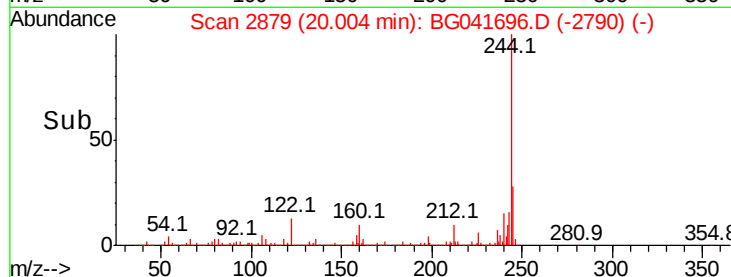
Instrument :
 BNA_G
 ClientSampleId :
 SB-1(7-9)

Tot Ion:244 Resp: 2200785

Ion	Ratio	Lower	Upper
244	100		
212	10.2	9.7	14.5
122	13.1	12.5	18.7



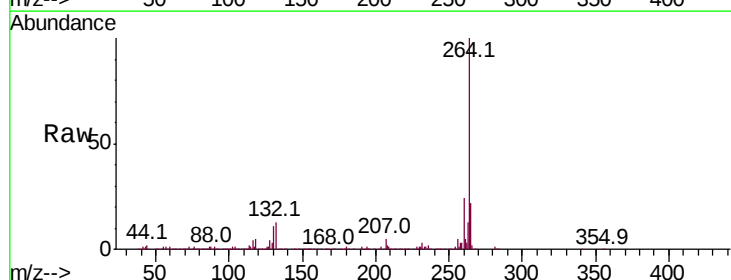
Abundance Ion 244.00 (243.70 to 244.70): E
 2000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3703
 Delta R.T. -0.02 min
 Lab File: BG041696.D
 Acq: 17 Jul 2019 20:21

Tgt Ion:264 Resp: 740921

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.1	18.0	27.0



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

