

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111319\
 Data File : BG043627.D
 Acq On : 14 Nov 2019 00:32
 Operator : JU
 Sample : K5804-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 14 01:44:38 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

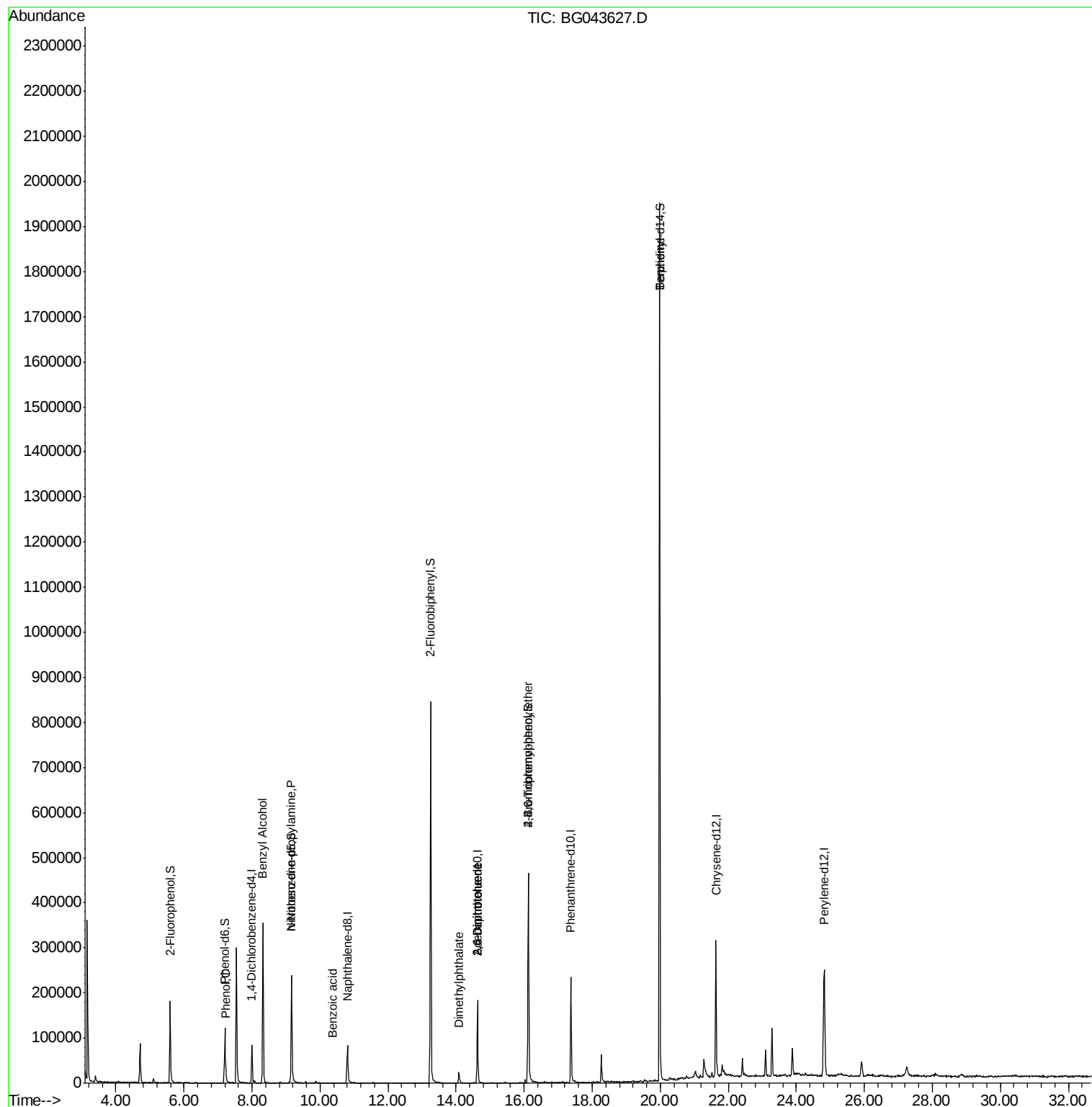
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	25852	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	93696	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	71217	20.00	ng	-0.01
64) Phenanthrene-d10	17.38	188	182506	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	204826	20.00	ng	-0.02
87) Perylene-d12	24.82	264	234193	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	88820	62.96	ng	0.00
7) Phenol-d6	7.20	99	80948	39.88	ng	0.00
23) Nitrobenzene-d5	9.16	82	166080	91.38	ng	-0.01
42) 2,4,6-Tribromophenol	16.12	330	123007	90.76	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	496328	96.30	ng	-0.01
79) Terphenyl-d14	19.98	244	1015176	92.98	ng	-0.01
Target Compounds						
10) Phenol	7.23	94	11239	6.059	ng	92
15) Benzyl Alcohol	8.32	79	2925	2.052	ng	# 42
19) n-Nitroso-di-n-propylamine	9.16	70	23803	18.148	ng	# 84
32) Benzoic acid	10.37	122	56	9.098	ng	# 1
50) Dimethylphthalate	14.08	163	23242	4.213	ng	# 94
51) 2,6-Dinitrotoluene	14.63	165	10131	8.454	ng	# 24
57) 2,4-Dinitrotoluene	14.63	165	10131	5.915	ng	# 28
67) 4-Bromophenyl-phenylether	16.12	248	8467	3.447	ng	# 1
77) Benzidine	19.98	184	15095	3.662	ng	# 89

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

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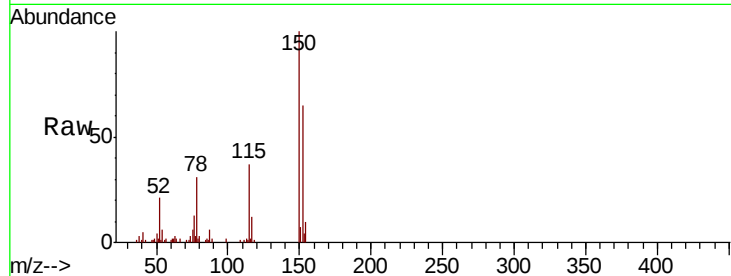


#1

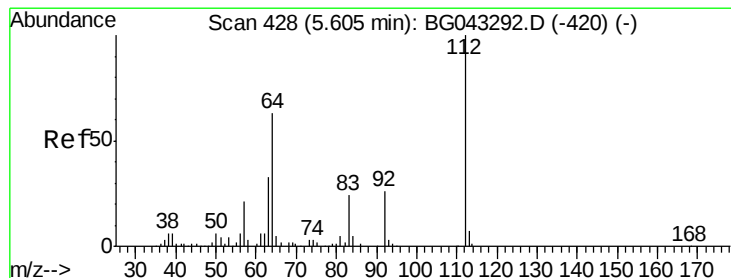
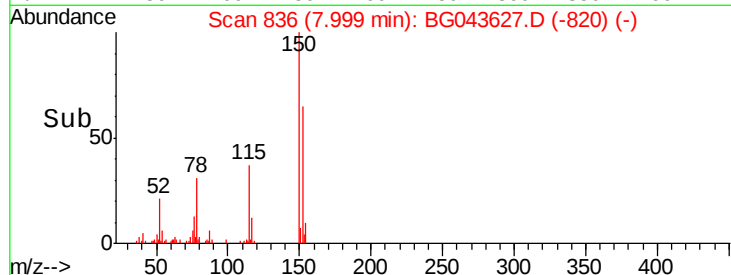
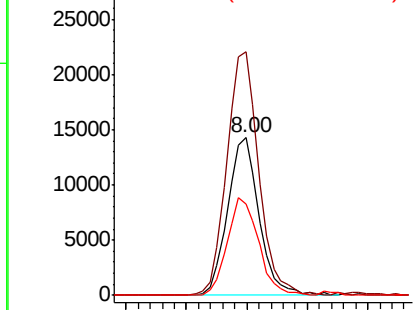
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043627.D
Acq: 14 Nov 2019 00:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25852
Ion Ratio Lower Upper
152 100
150 154.6 129.4 194.0
115 57.9 48.8 73.2



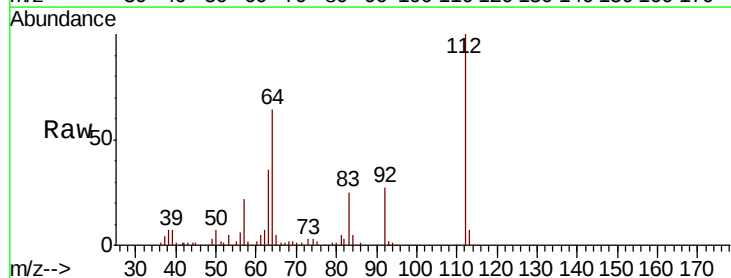
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



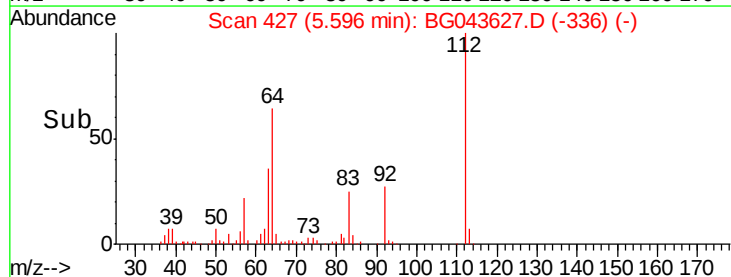
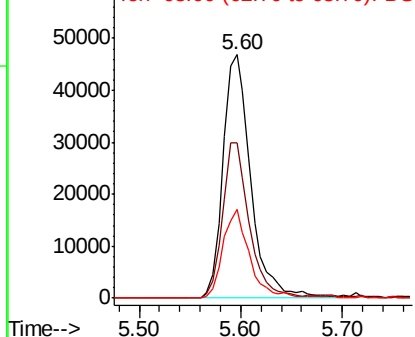
#5

2-Fluorophenol
Concen: 62.958 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043627.D
Acq: 14 Nov 2019 00:32

Tgt Ion:112 Resp: 88820
Ion Ratio Lower Upper
112 100
64 64.0 50.0 75.0
63 36.3 26.6 40.0



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: 39.880 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043627.D

Acq: 14 Nov 2019 00:32

Instrument :

BNA_G

ClientSampleId :

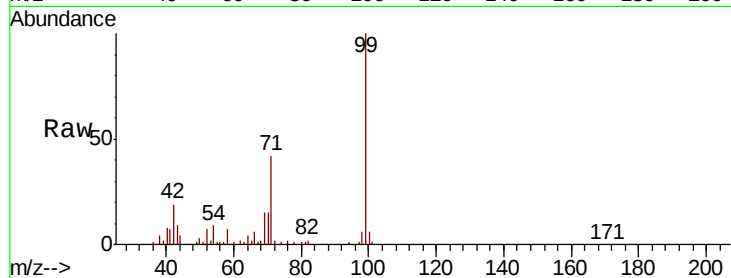
Tot Ion: 99 Resp: 80948

Ion Ratio Lower Upper

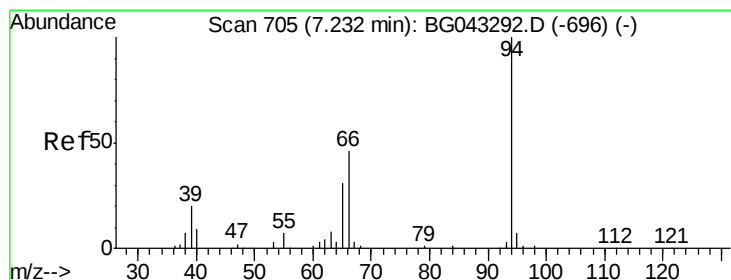
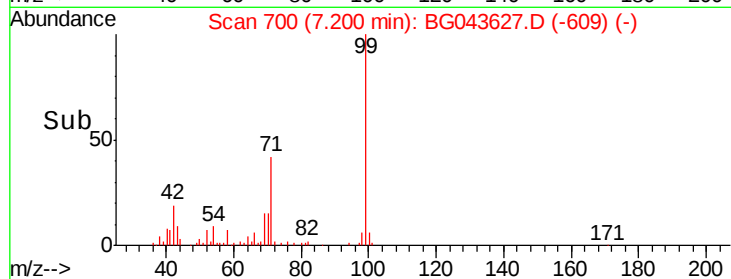
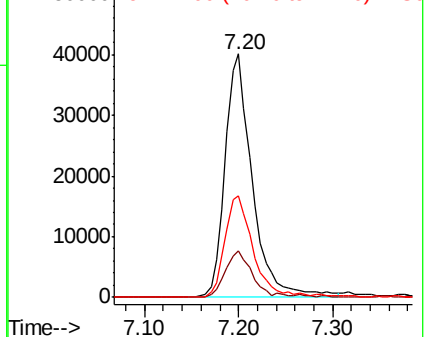
99 100

42 18.9 14.6 21.8

71 41.8 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



#10

Phenol

Concen: 6.059 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.01 min

Lab File: BG043627.D

Acq: 14 Nov 2019 00:32

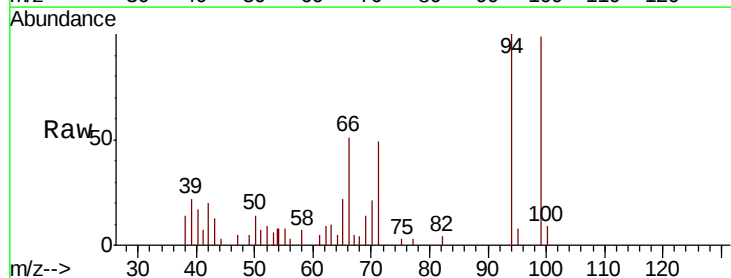
Tgt Ion: 94 Resp: 11239

Ion Ratio Lower Upper

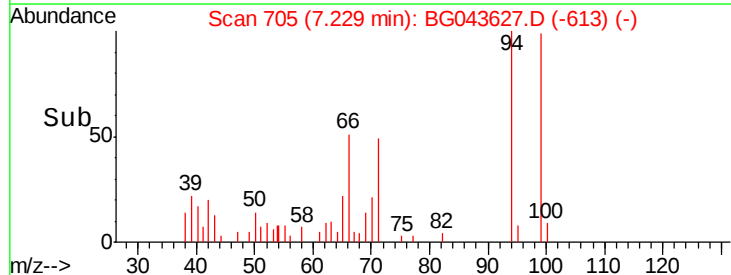
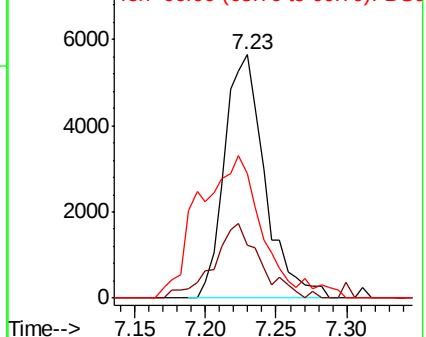
94 100

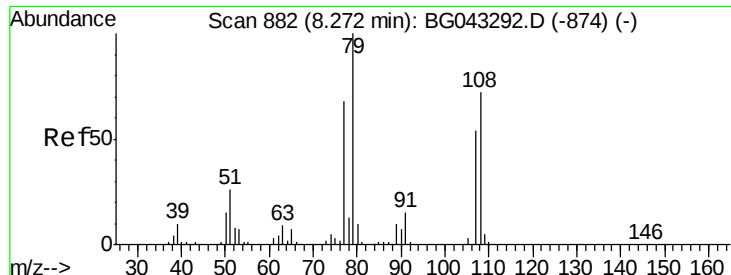
65 21.8 12.6 52.6

66 51.4 30.7 70.7



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

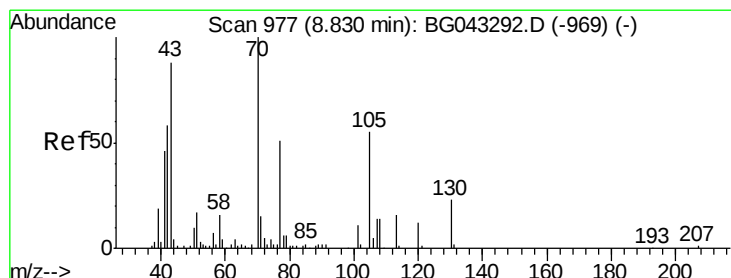
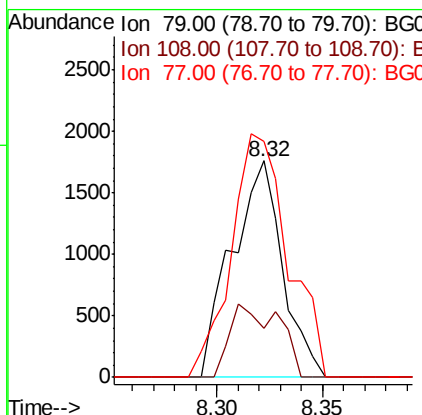
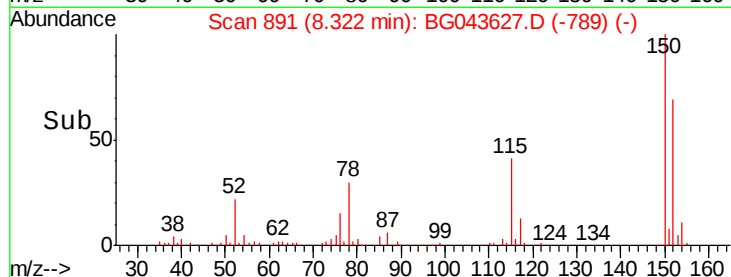
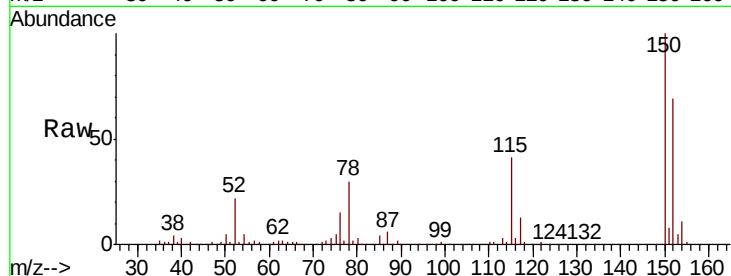




#15
Benzyl Alcohol
Concen: 2.052 ng
RT: 8.32 min Scan# 891
Delta R.T. 0.07 min
Lab File: BG043627.D
Acq: 14 Nov 2019 00:32

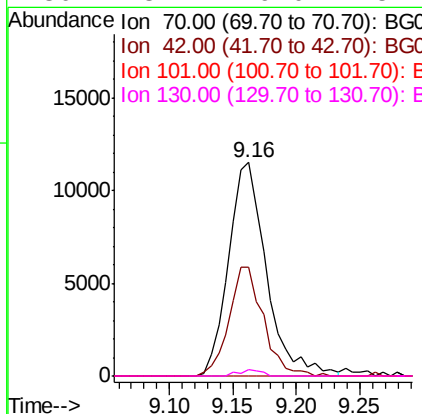
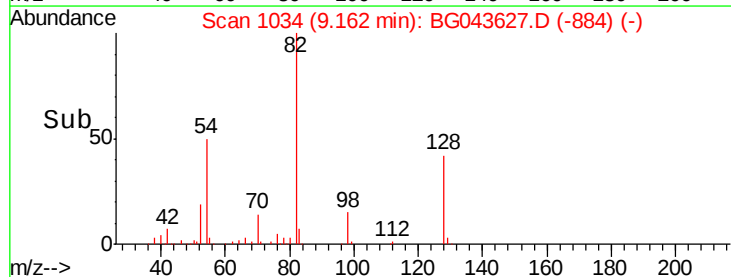
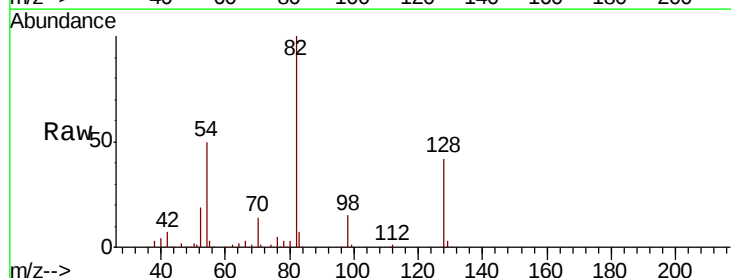
Instrument :
BNA_G
ClientSampled :

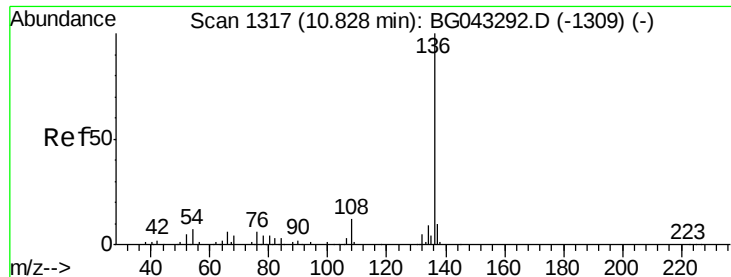
Tot Ion: 79 Resp: 2925
Ion Ratio Lower Upper
79 100
108 22.7 53.6 80.4#
77 109.0 49.6 74.4#



#19
n-Nitroso-di-n-propylamine
Concen: 18.148 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG043627.D
Acq: 14 Nov 2019 00:32

Tgt Ion: 70 Resp: 23803
Ion Ratio Lower Upper
70 100
42 50.7 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# 1313

Delta R.T. -0.01 min

Lab File: BG043627.D

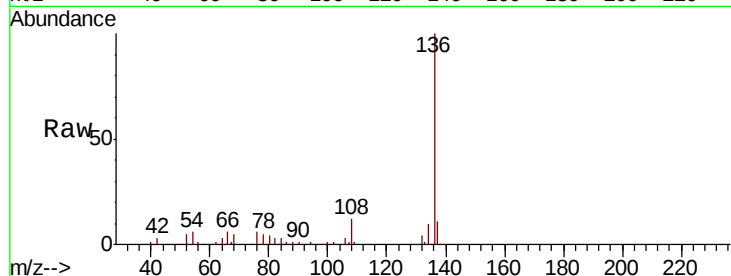
Acq: 14 Nov 2019 00:32

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	93696
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.7 13.1
54	6.5	5.4 8.2
68	4.6	3.0 4.4



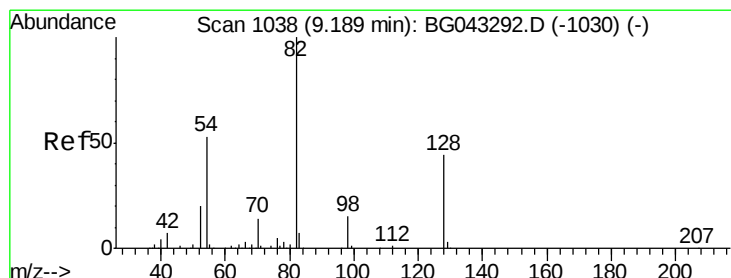
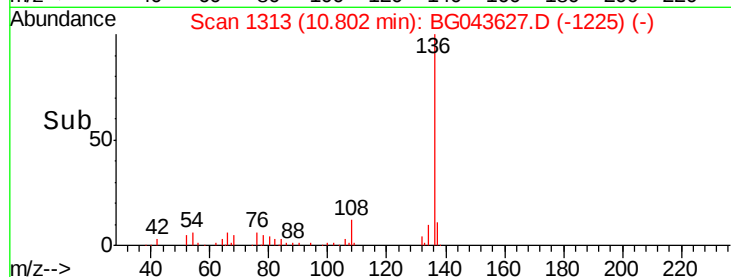
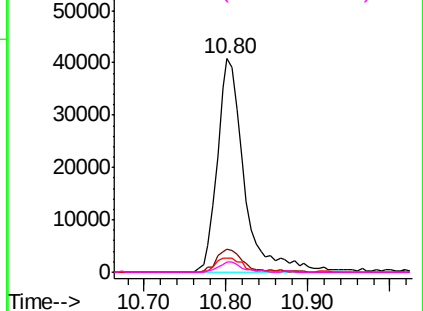
Abundance

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: 91.382 ng

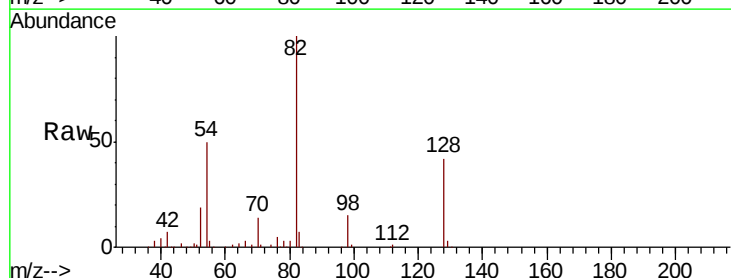
RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG043627.D

Acq: 14 Nov 2019 00:32

Tgt Ion: 82	Resp:	166080
Ion	Ratio	Lower Upper
82	100	
128	41.9	35.0 52.6
54	50.3	40.2 60.2

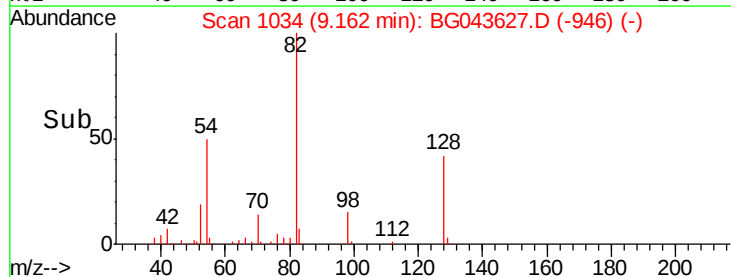
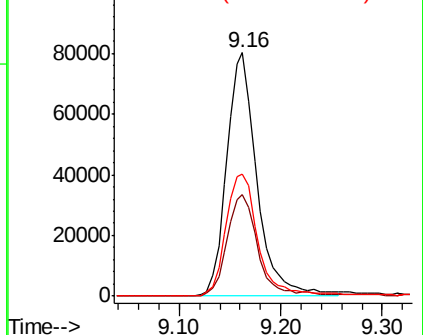


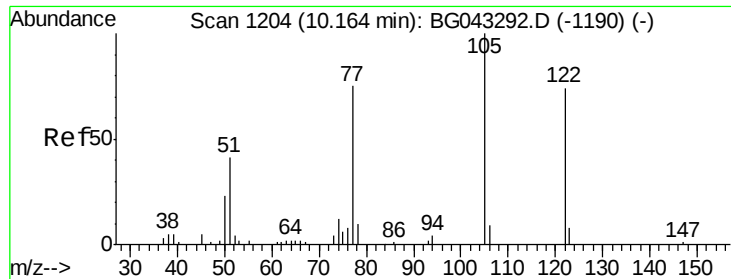
Abundance

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





#32

Benzoic acid

Concen: 9.098 ng

RT: 10.37 min Scan# 1239

Delta R.T. 0.20 min

Lab File: BG043627.D

Acq: 14 Nov 2019 00:32

Instrument :

BNA_G

ClientSampleId :

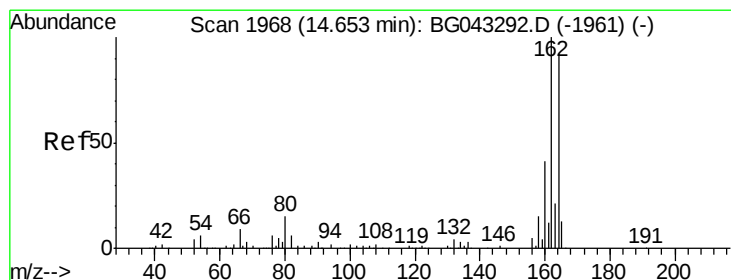
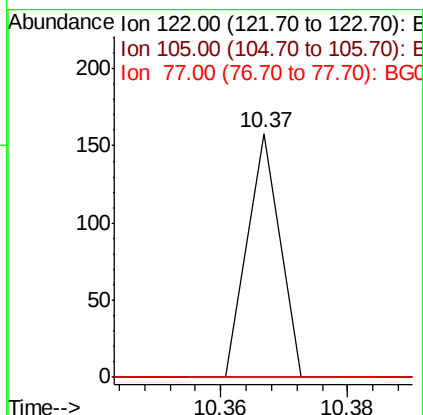
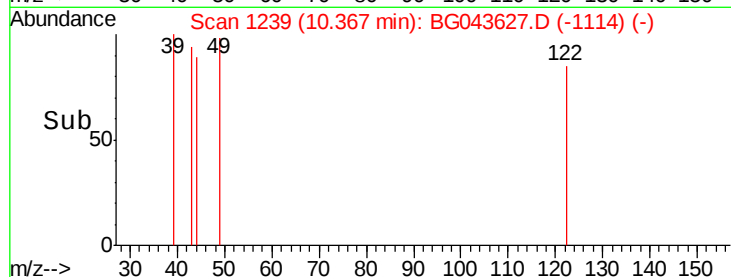
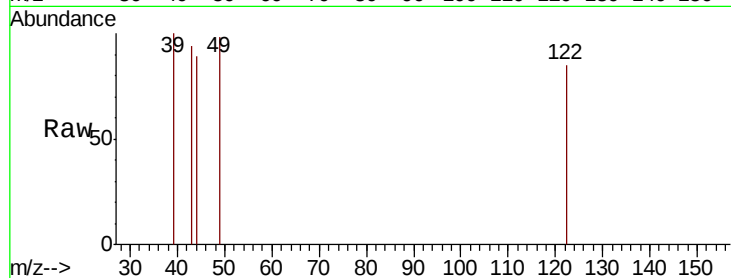
Tot Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

77 0.0 84.9 124.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG043627.D

Acq: 14 Nov 2019 00:32

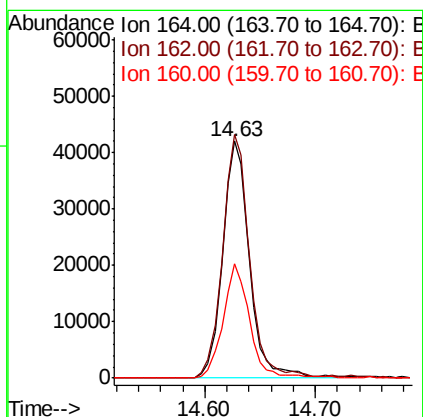
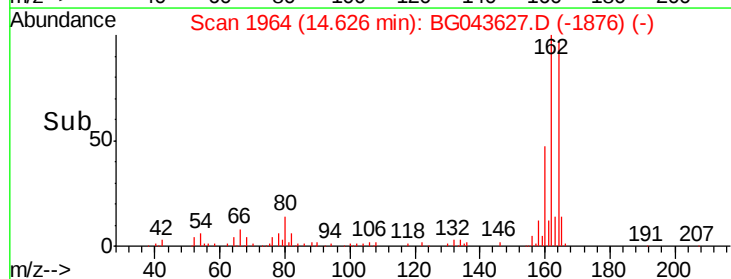
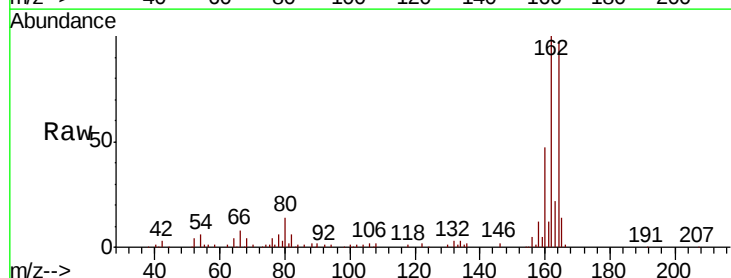
Tgt Ion:164 Resp: 71217

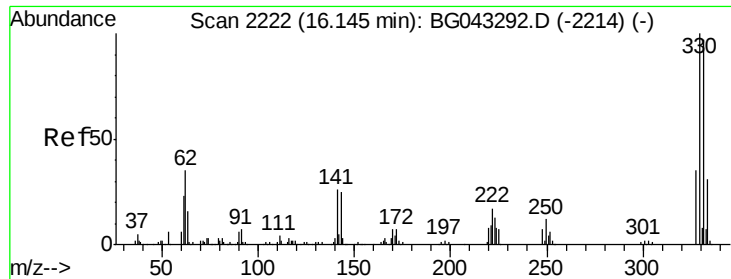
Ion Ratio Lower Upper

164 100

162 102.7 83.5 125.3

160 48.0 36.5 54.7

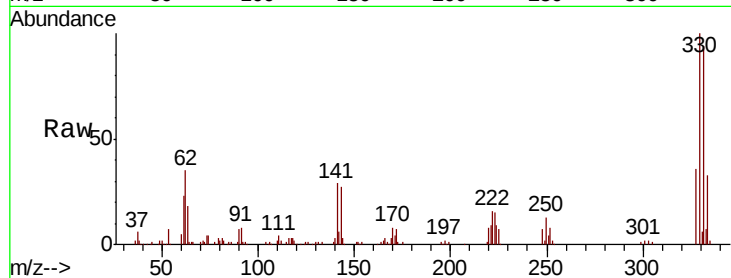




#42
 2,4,6-Tribromophenol
 Concen: 90.763 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG043627.D
 Acq: 14 Nov 2019 00:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.4	116.0
141	29.3	22.8	34.2

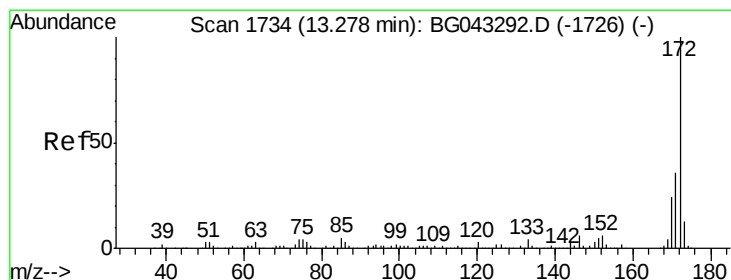
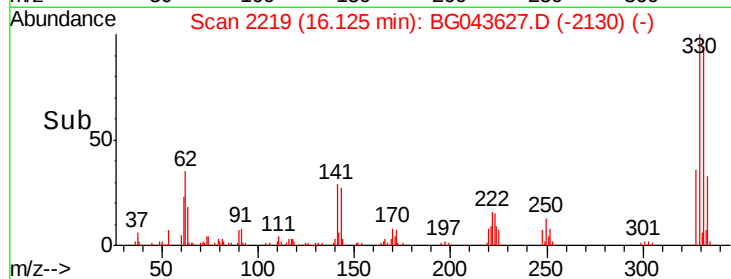
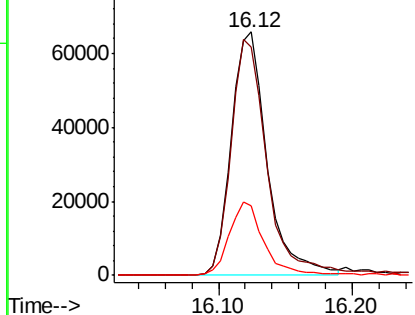


Abundance

Ion 329.80 (329.50 to 330.50): E

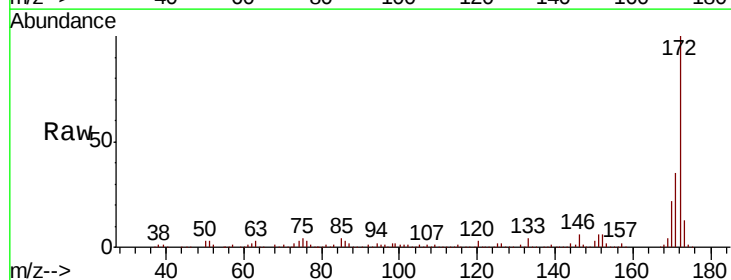
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.301 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043627.D
 Acq: 14 Nov 2019 00:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.9	43.3
170	21.9	18.5	27.7

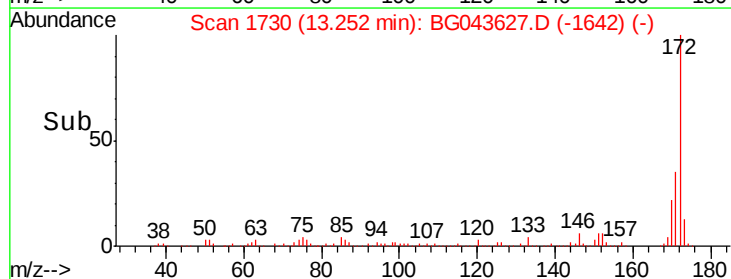
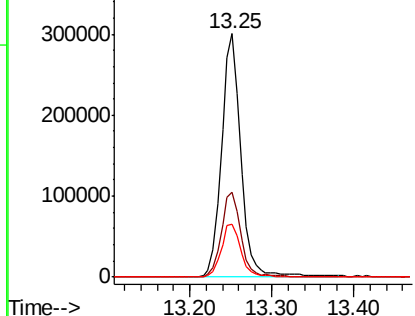


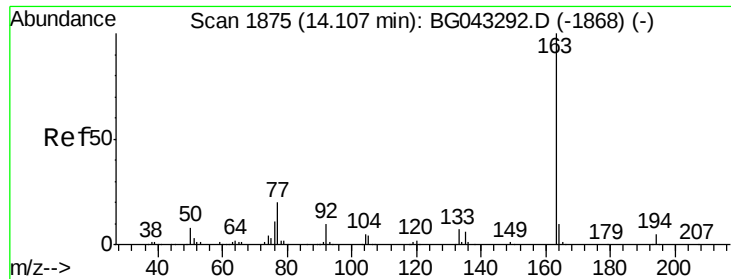
Abundance

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: 4.213 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG043627.D

Acq: 14 Nov 2019 00:32

Instrument :

BNA_G

ClientSampleId :

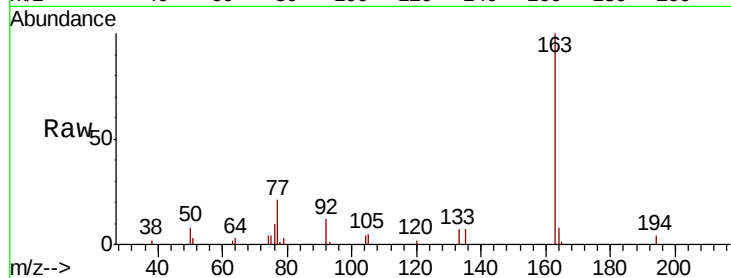
Tot Ion:163 Resp: 23242

Ion Ratio Lower Upper

163 100

194 3.8 3.8 5.6

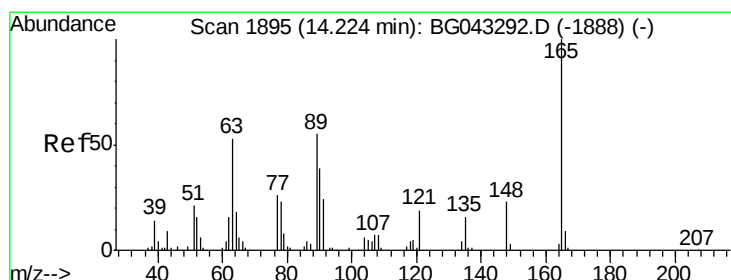
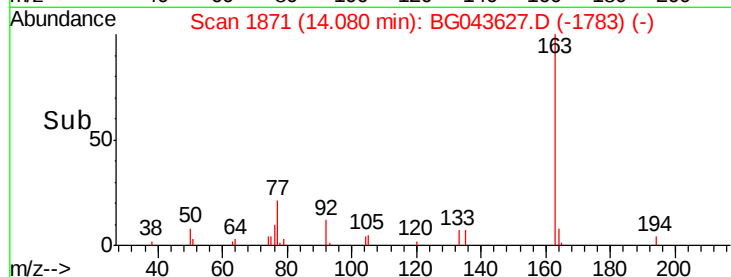
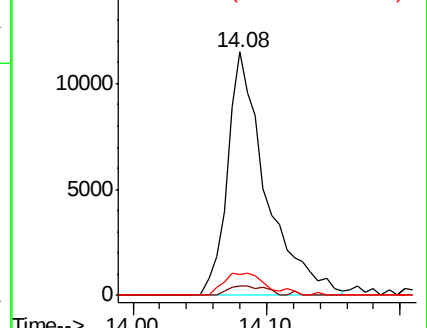
164 8.3 8.9 13.3#



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: 8.454 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.41 min

Lab File: BG043627.D

Acq: 14 Nov 2019 00:32

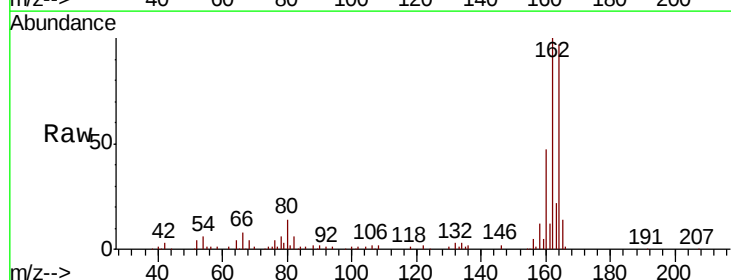
Tgt Ion:165 Resp: 10131

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

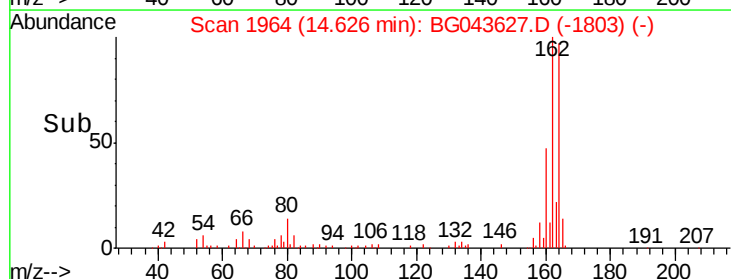
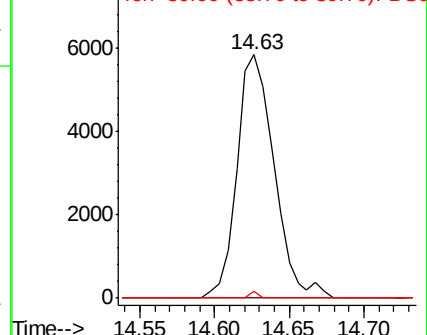
89 2.9 45.1 67.7#

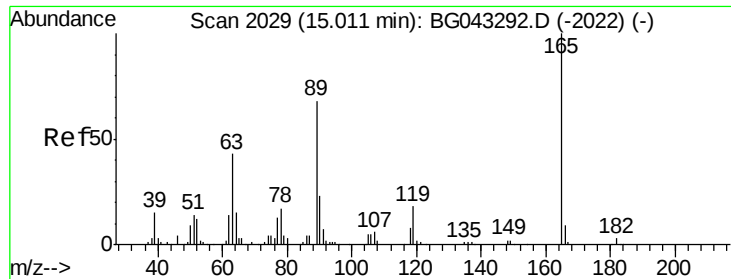


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

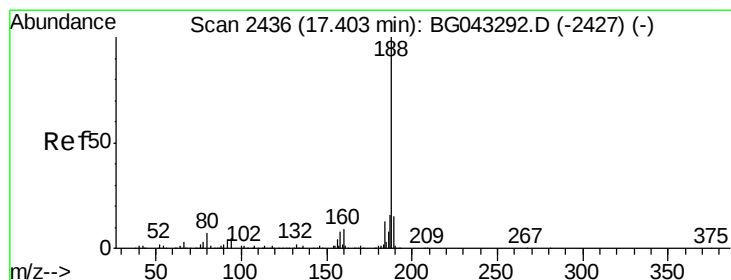
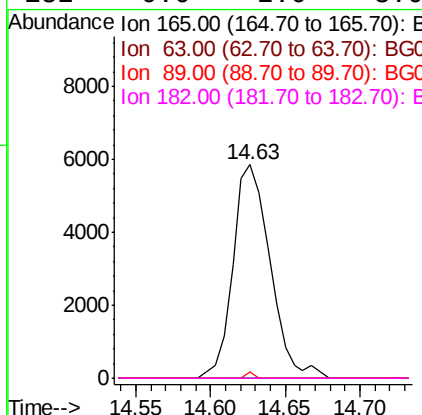
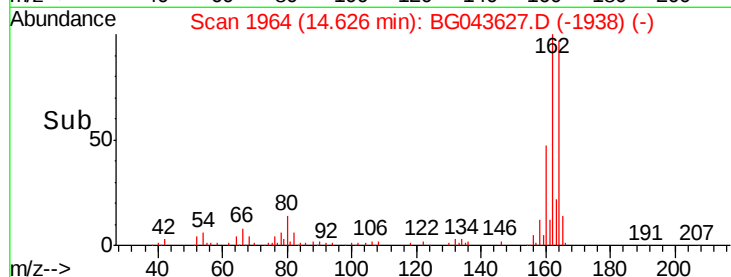
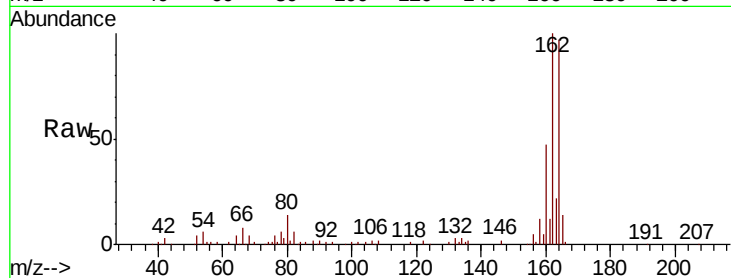




#57
 2,4-Dinitrotoluene
 Concen: 5.915 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.38 min
 Lab File: BG043627.D
 Acq: 14 Nov 2019 00:32

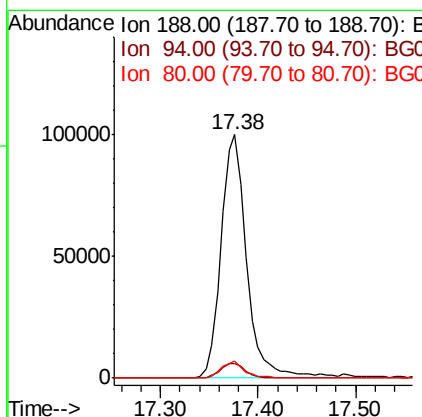
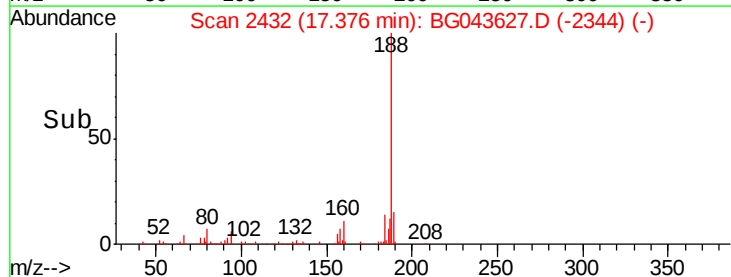
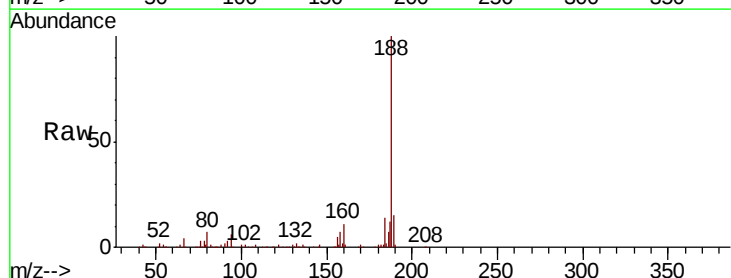
Instrument :
 BNA_G
 ClientSampleId :

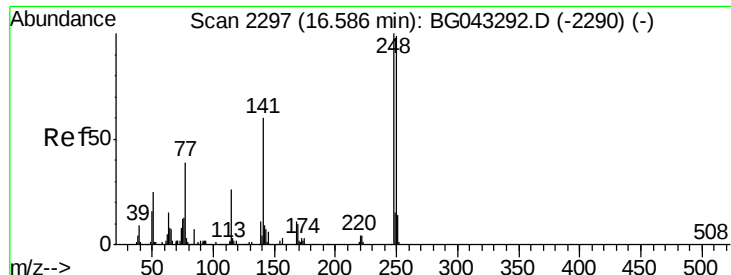
Tot Ion:165	Resp: 10131
Ion Ratio	Lower Upper
165 100	
63 0.0	33.2 49.8#
89 2.9	52.2 78.4#
182 0.0	2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BG043627.D
 Acq: 14 Nov 2019 00:32

Tgt Ion	188	Resp: Lower	182506 Upper
	Ratio		
188	100		
94	5.7	4.2	6.4
80	6.8	4.5	6.7#

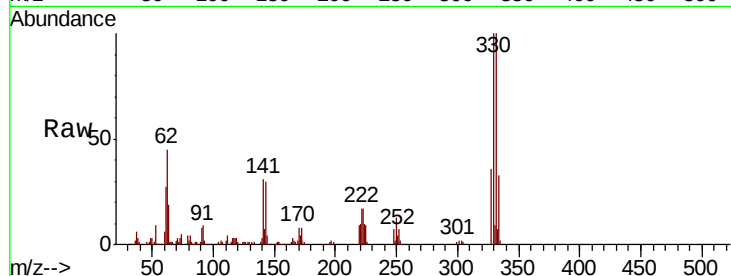




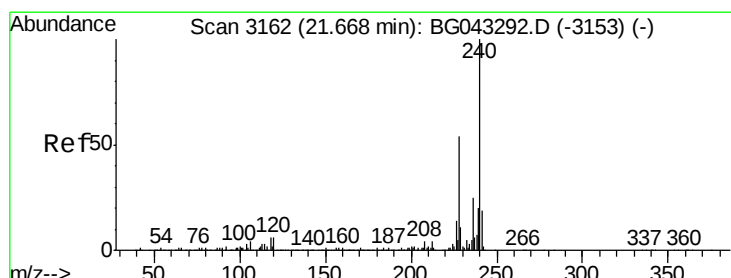
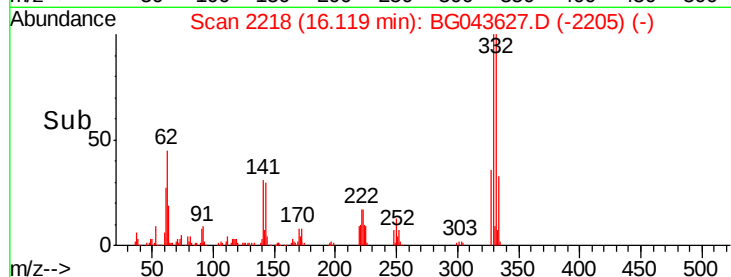
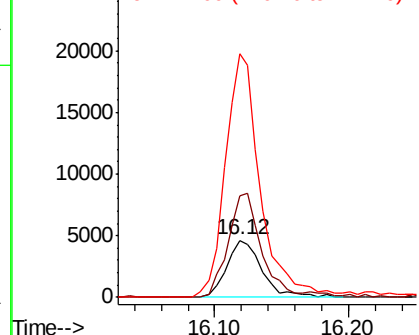
#67
4-Bromophenyl-phenylether
Concen: 3.447 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.46 min
Lab File: BG043627.D
Acq: 14 Nov 2019 00:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 8467
Ion Ratio Lower Upper
248 100
250 177.0 77.0 115.4#
141 427.1 47.5 71.3#

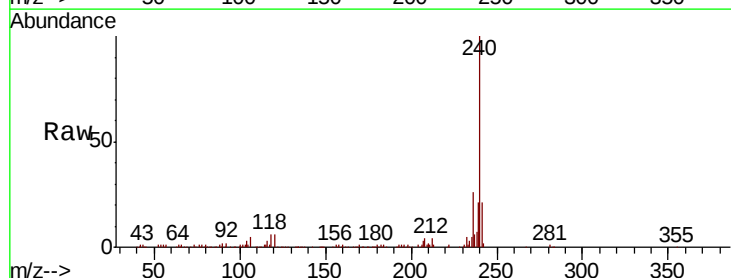


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

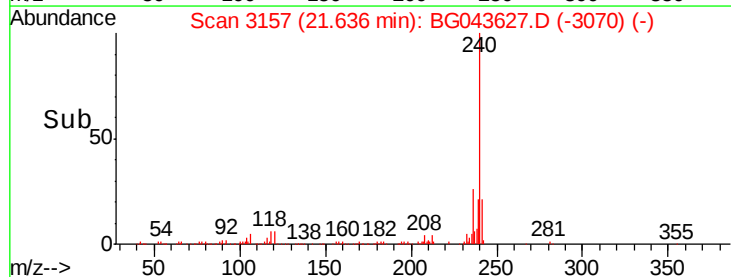
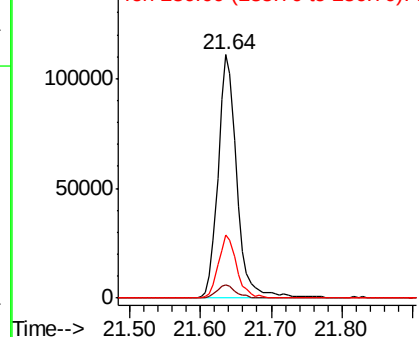


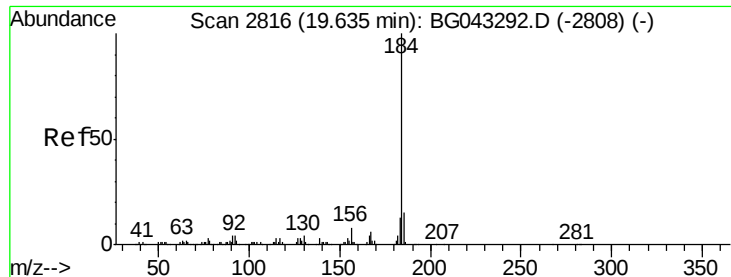
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.02 min
Lab File: BG043627.D
Acq: 14 Nov 2019 00:32

Tgt Ion:240 Resp: 204826
Ion Ratio Lower Upper
240 100
120 5.5 4.6 6.8
236 25.7 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: 3.662 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.36 min

Lab File: BG043627.D

Acq: 14 Nov 2019 00:32

Instrument :

BNA_G

ClientSampleId :

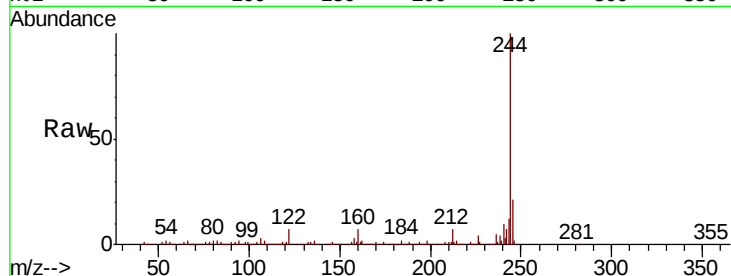
Tot Ion:184 Resp: 15095

Ion Ratio Lower Upper

184 100

185 18.5 11.0 16.4#

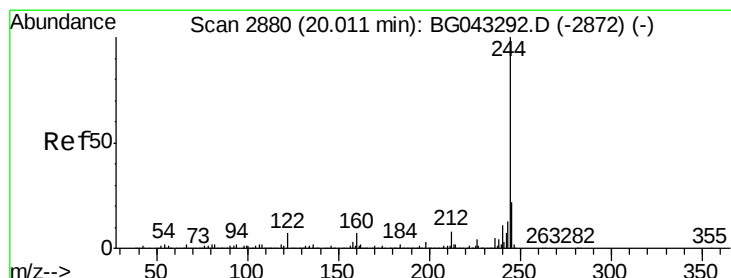
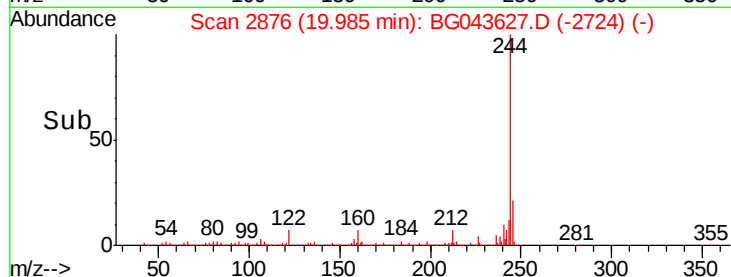
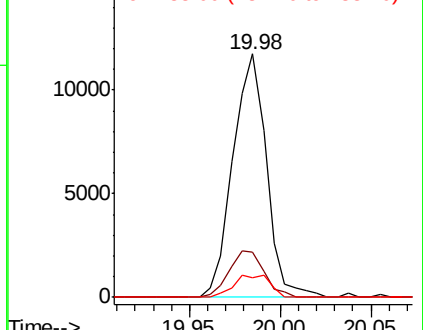
183 8.2 10.0 15.0#



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: 92.983 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043627.D

Acq: 14 Nov 2019 00:32

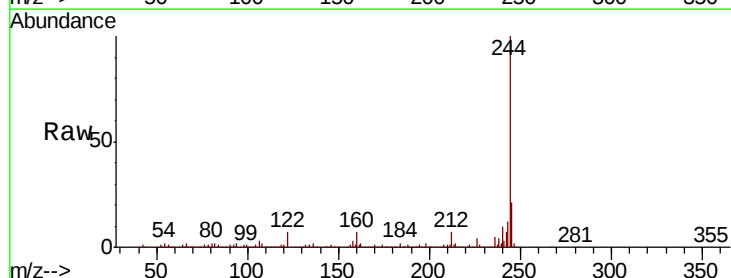
Tgt Ion:244 Resp: 1015176

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

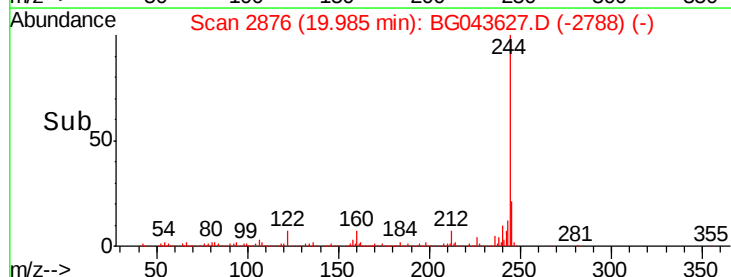
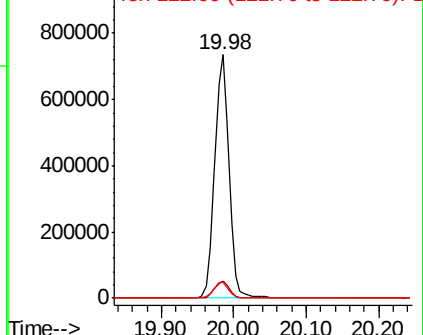
122 6.6 5.4 8.2

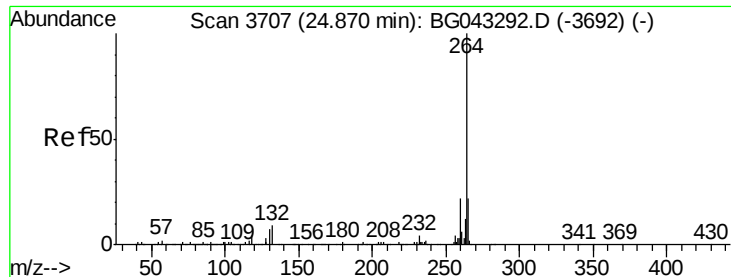


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.82 min Scan# 3699
Delta R.T. -0.03 min
Lab File: BG043627.D
Acq: 14 Nov 2019 00:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.5	26.3
265	20.8	17.4	26.0

