

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043599.D
 Acq On : 12 Nov 2019 1:09
 Operator : JU
 Sample : K5760-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 12 07:48:08 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

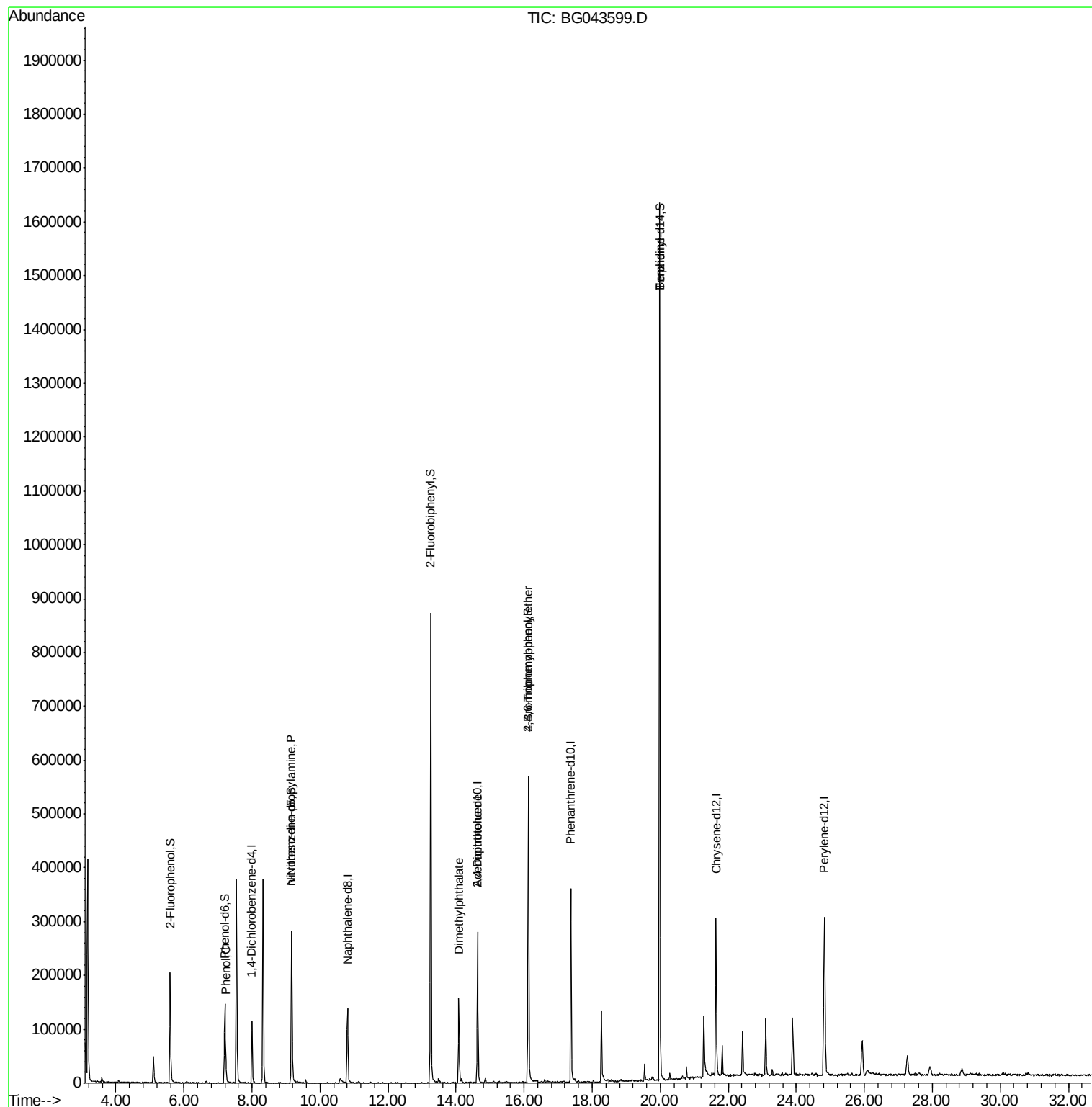
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	34147	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	135865	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	103971	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	251193	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	203441	20.00	ng	-0.01
87) Perylene-d12	24.83	264	251473	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	102887	55.21	ng	0.00
7) Phenol-d6	7.20	99	95401	35.58	ng	0.00
23) Nitrobenzene-d5	9.16	82	196677	74.63	ng	-0.01
42) 2,4,6-Tribromophenol	16.12	330	143478	72.52	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	520334	69.15	ng	-0.01
79) Terphenyl-d14	19.99	244	851928	78.56	ng	-0.01
Target Compounds						
10) Phenol	7.22	94	24426	9.970	ng	94
19) n-Nitroso-di-n-propylamine	9.16	70	27815	16.055	ng	# 81
50) Dimethylphthalate	14.08	163	114503	14.218	ng	98
57) 2,4-Dinitrotoluene	14.63	165	14885	5.953	ng	# 28
67) 4-Bromophenyl-phenylether	16.12	248	9133	2.702	ng	# 1
77) Benzidine	19.99	184	12959	3.165	ng	# 91

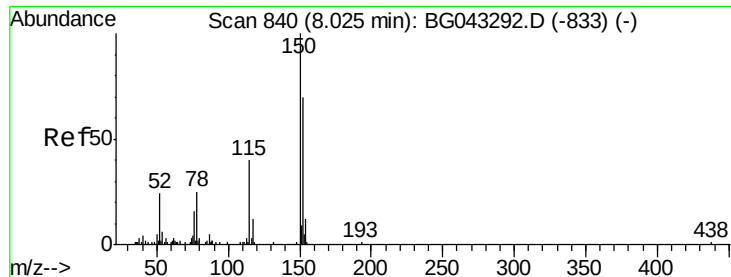
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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Quant Time: Nov 12 07:48:08 2019
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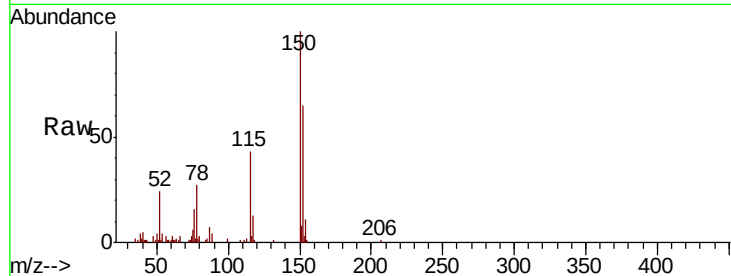


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043599.D
Acq: 12 Nov 2019 1:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	129.4	194.0
115	65.5	48.8	73.2

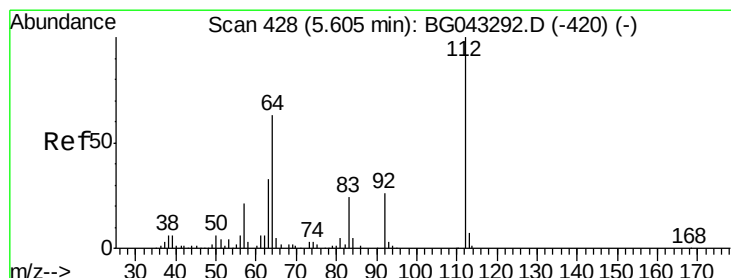
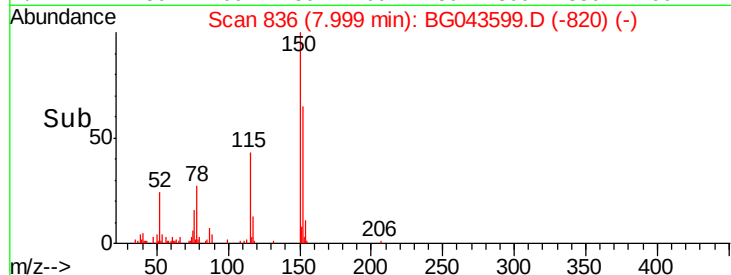
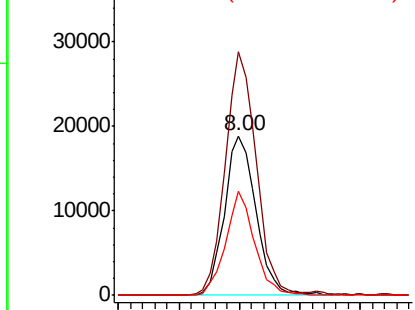


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

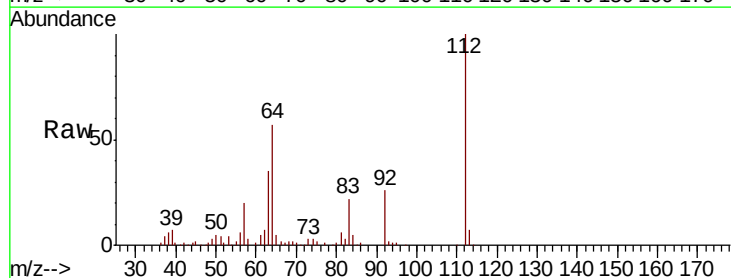
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 55.213 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043599.D
Acq: 12 Nov 2019 1:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	50.0	75.0
63	35.5	26.6	40.0

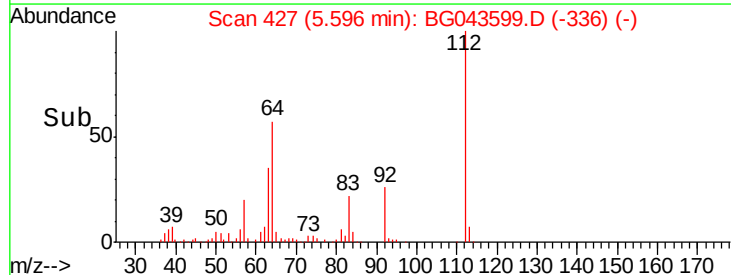
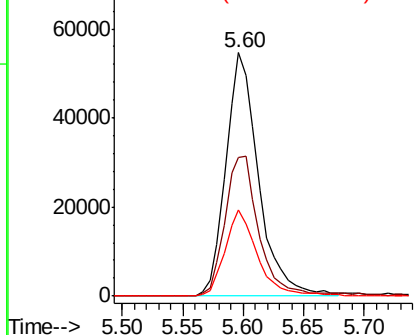


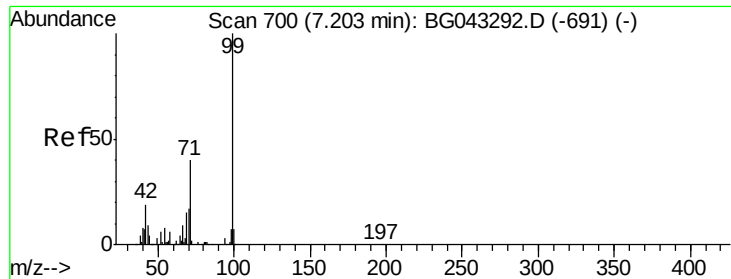
Abundance

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: 35.583 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043599.D

Acq: 12 Nov 2019 1:09

Instrument :

BNA_G

ClientSampleId :

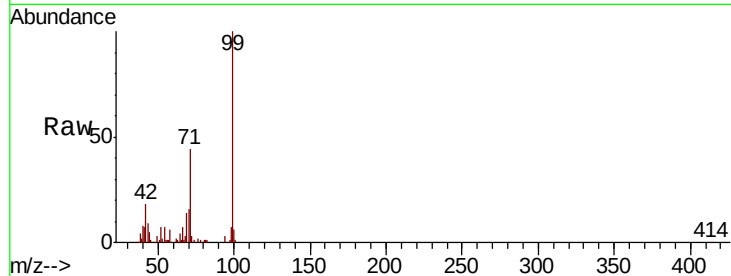
Tot Ion: 99 Resp: 95401

Ion Ratio Lower Upper

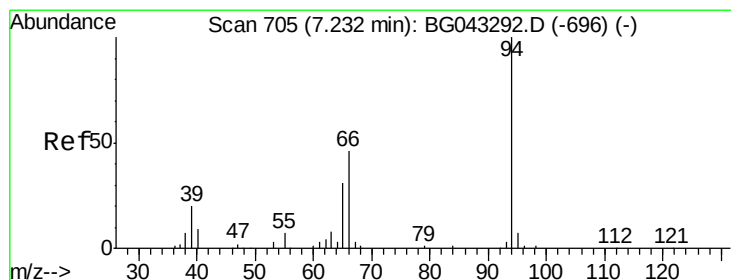
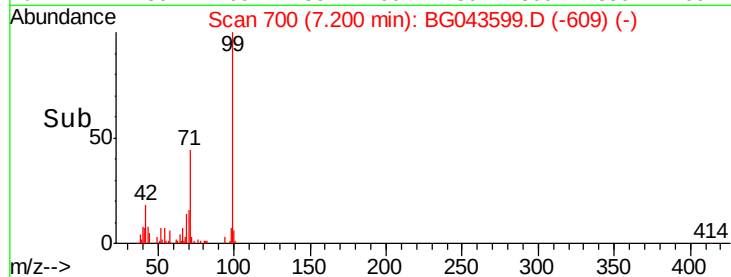
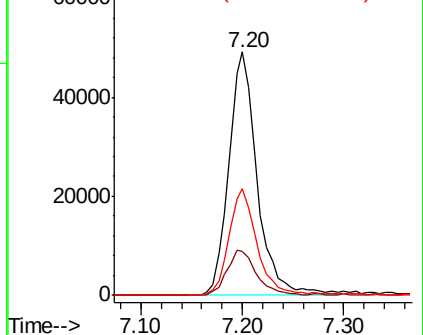
99 100

42 18.2 14.6 21.8

71 43.8 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: 9.970 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG043599.D

Acq: 12 Nov 2019 1:09

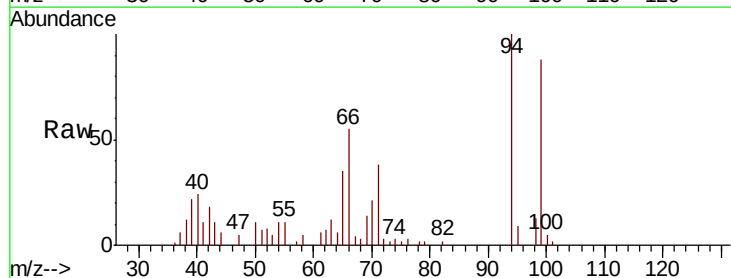
Tgt Ion: 94 Resp: 24426

Ion Ratio Lower Upper

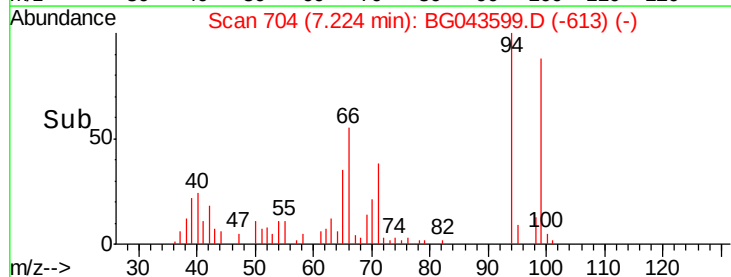
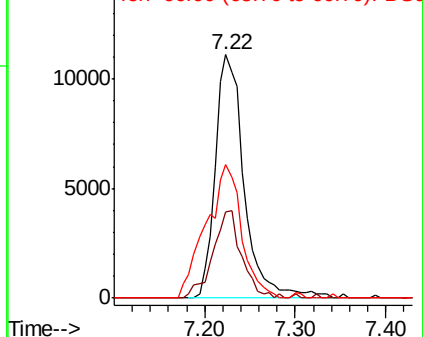
94 100

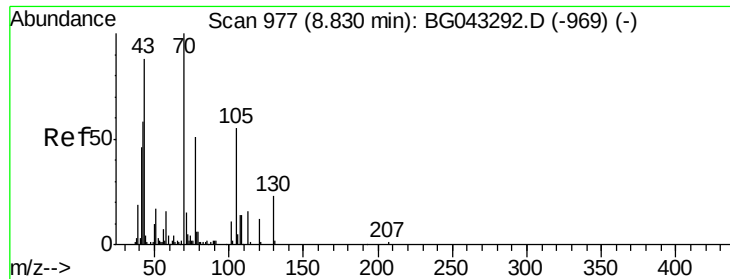
65 35.4 12.6 52.6

66 54.8 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

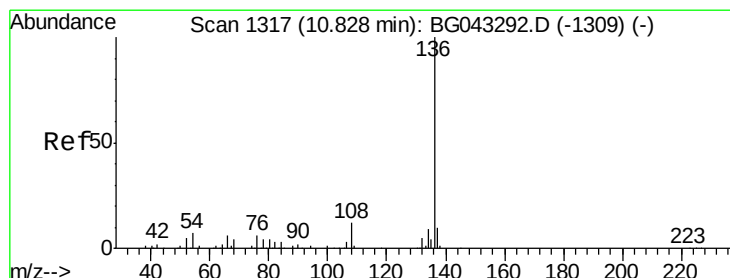
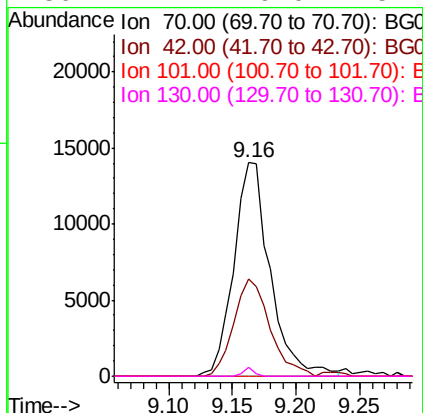
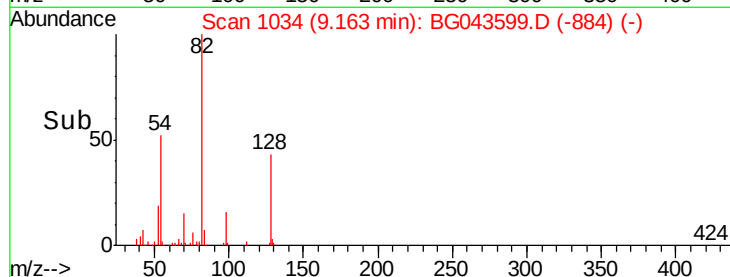
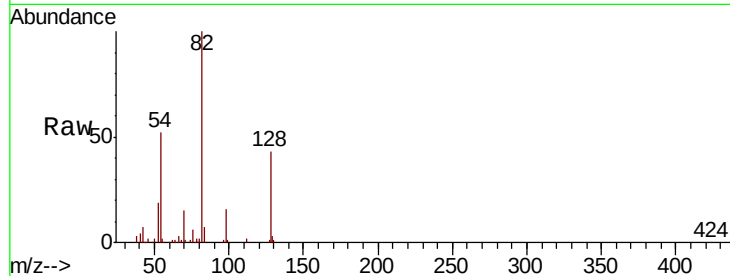




#19
n-Nitroso-di-n-propylamine
Concen: 16.055 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG043599.D
Acq: 12 Nov 2019 1:09

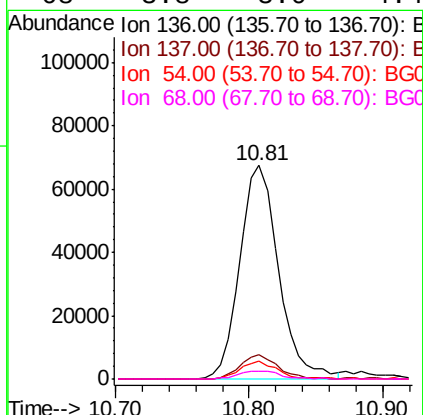
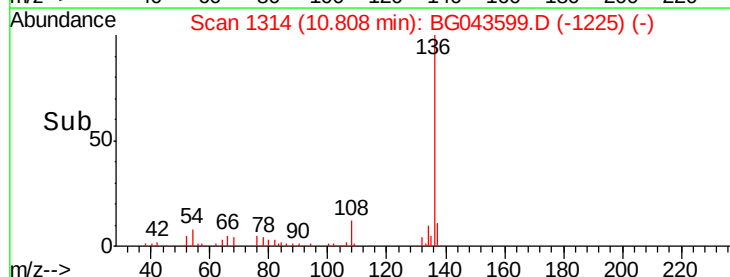
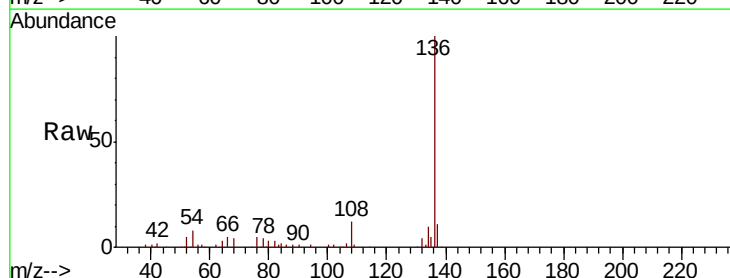
Instrument :
BNA_G
ClientSampleId :

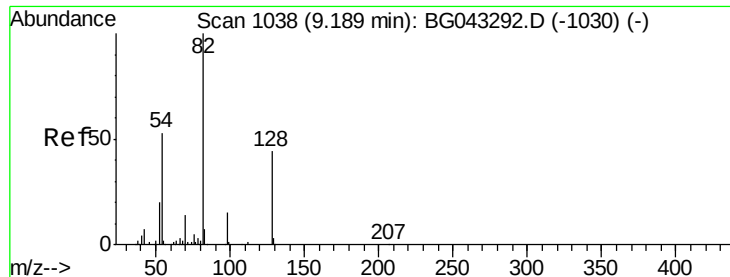
Tot Ion: 70 Resp: 27815
Ion Ratio Lower Upper
70 100
42 45.7 41.4 62.2
101 0.0 7.9 11.9#
130 4.2 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BG043599.D
Acq: 12 Nov 2019 1:09

Tgt Ion: 136 Resp: 135865
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.2 5.4 8.2#
68 3.8 3.0 4.4

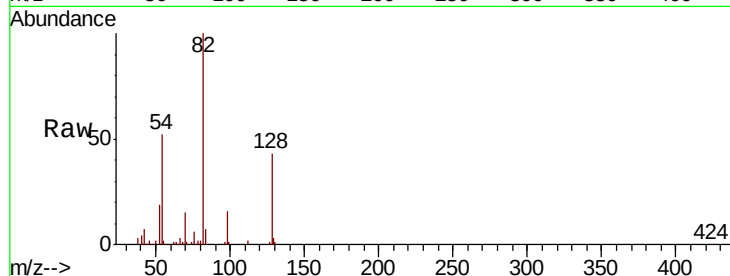




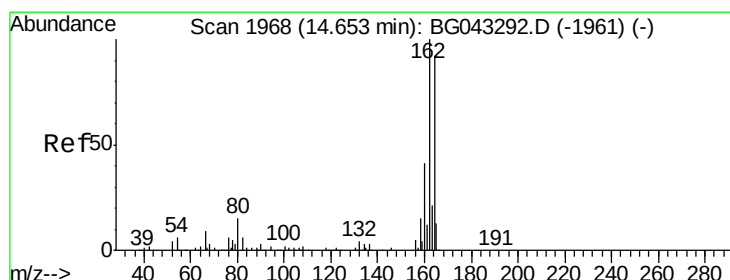
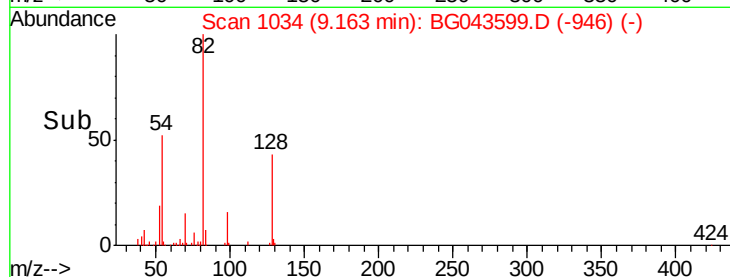
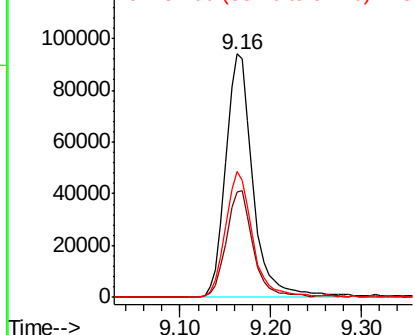
#23
Nitrobenzene-d5
Concen: 74.630 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG043599.D
Acq: 12 Nov 2019 1:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	196677
Ion Ratio	Lower	Upper	
82	100		
128	43.0	35.0	52.6
54	51.7	40.2	60.2

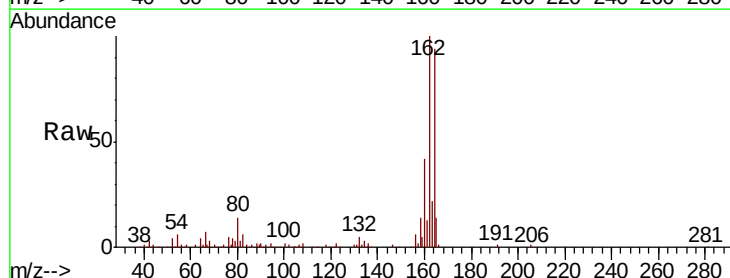


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

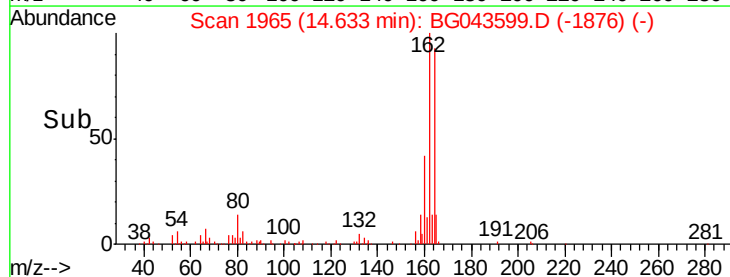
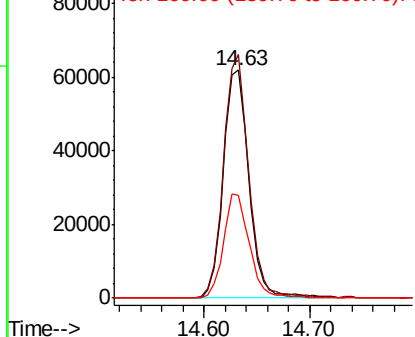


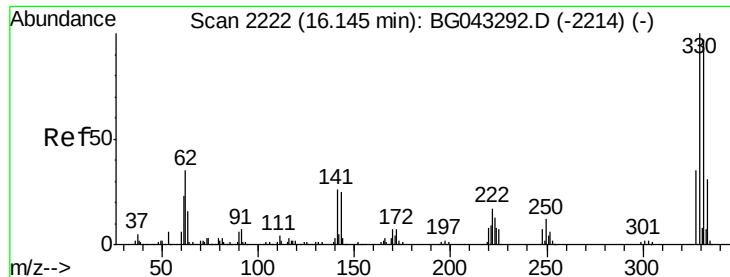
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BG043599.D
Acq: 12 Nov 2019 1:09

Tgt Ion	164	Resp	103971
Ion Ratio	Lower	Upper	
164	100		
162	106.9	83.5	125.3
160	45.4	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

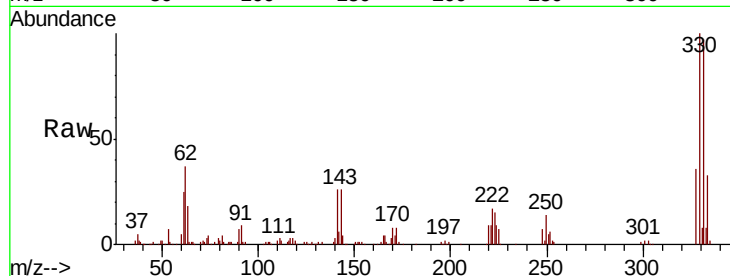




#42
 2,4,6-Tribromophenol
 Concen: 72.516 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG043599.D
 Acq: 12 Nov 2019 1:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	28.9	22.8	34.2

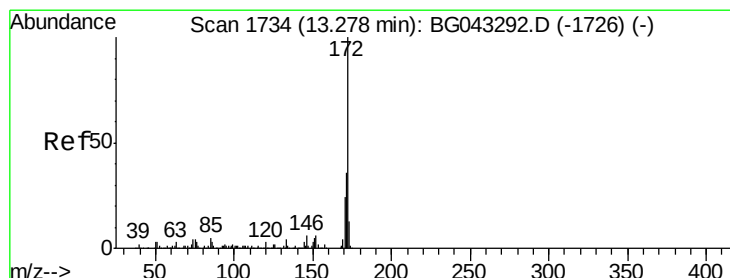
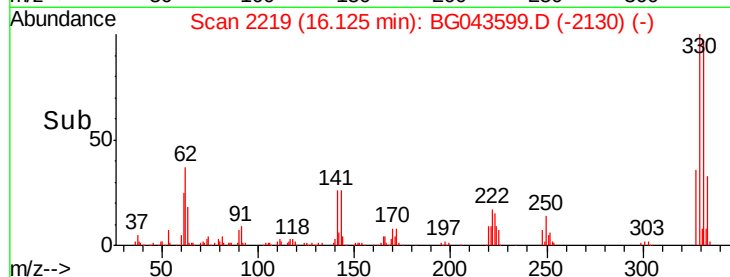
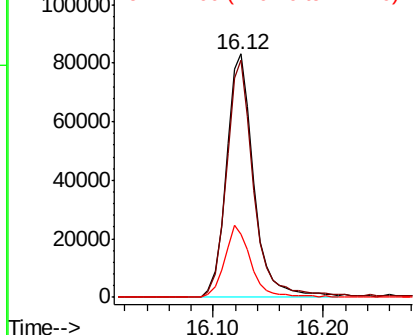


Abundance

Ion 329.80 (329.50 to 330.50): E

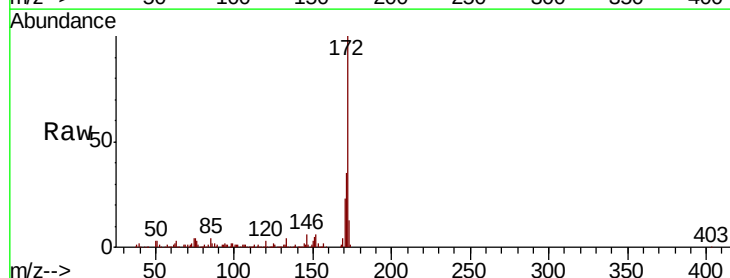
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 69.154 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043599.D
 Acq: 12 Nov 2019 1:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.9	43.3
170	23.0	18.5	27.7

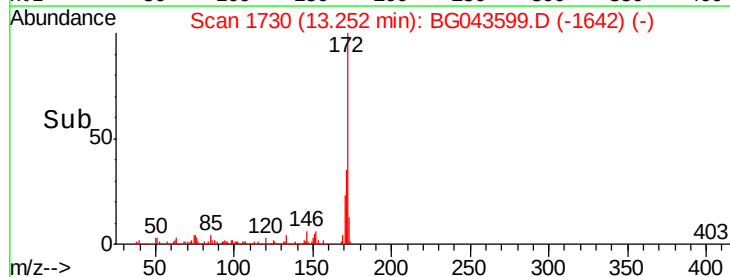
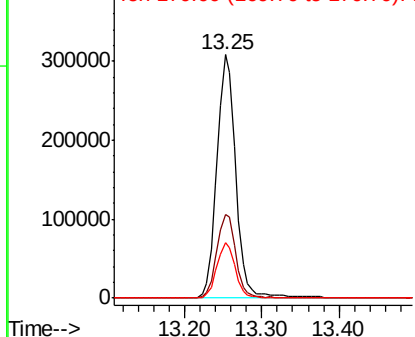


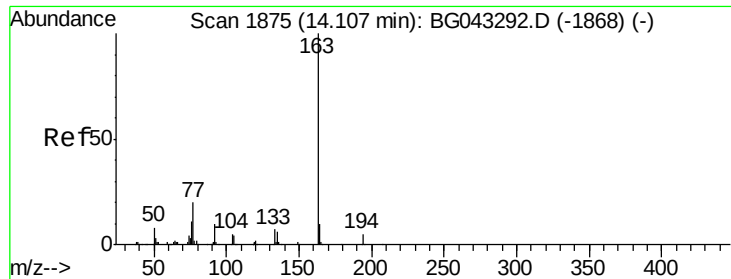
Abundance

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

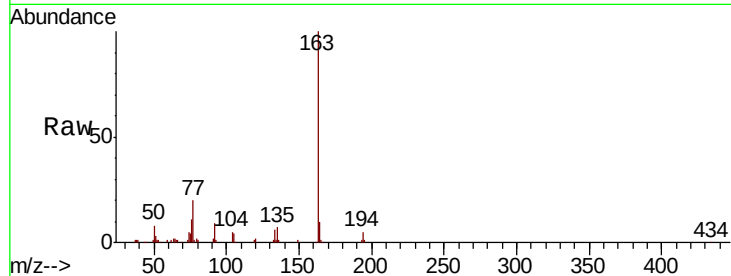




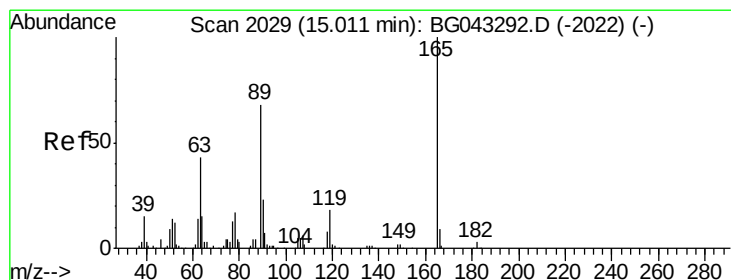
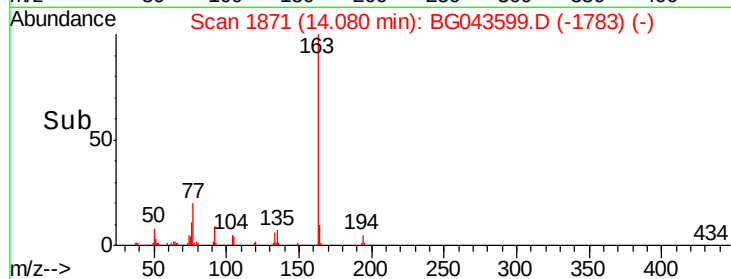
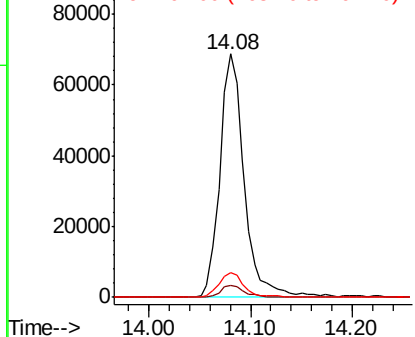
#50
Dimethylphthalate
Concen: 14.218 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG043599.D
Acq: 12 Nov 2019 1:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 114503
Ion Ratio Lower Upper
163 100
194 4.9 3.8 5.6
164 10.3 8.9 13.3

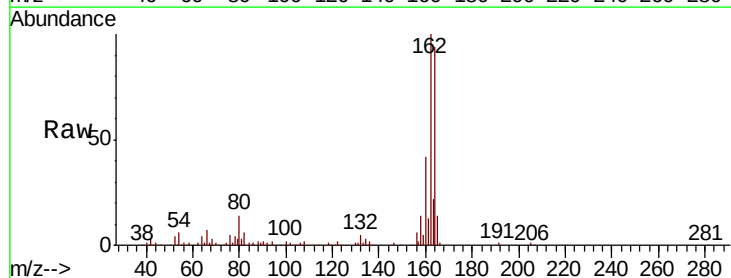


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

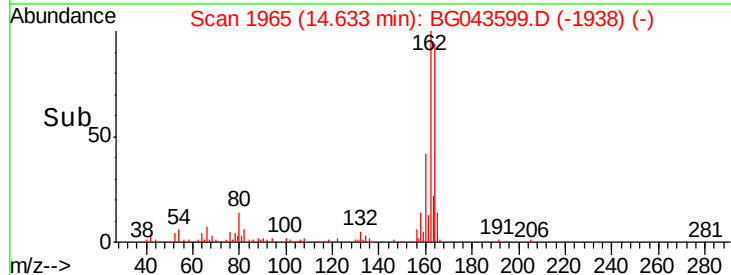
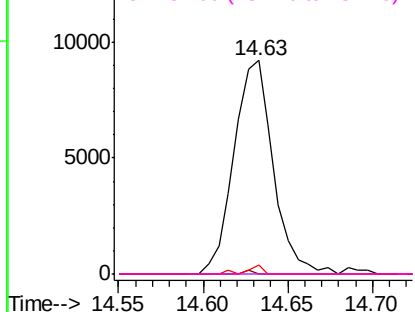


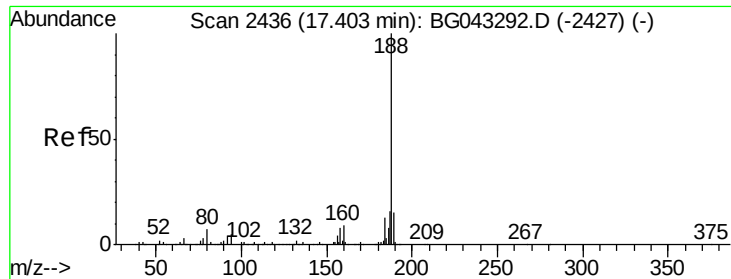
#57
2,4-Dinitrotoluene
Concen: 5.953 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.37 min
Lab File: BG043599.D
Acq: 12 Nov 2019 1:09

Tgt Ion:165 Resp: 14885
Ion Ratio Lower Upper
165 100
63 0.0 33.2 49.8#
89 4.0 52.2 78.4#
182 0.0 2.0 3.0#



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: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043599.D

Acq: 12 Nov 2019 1:09

Instrument :

BNA_G

ClientSampleId :

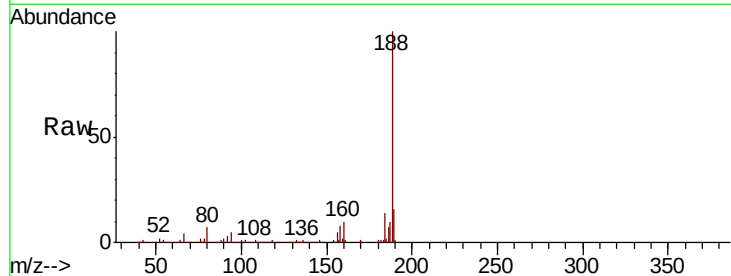
Tot Ion:188 Resp: 251193

Ion Ratio Lower Upper

188 100

94 5.4 4.2 6.4

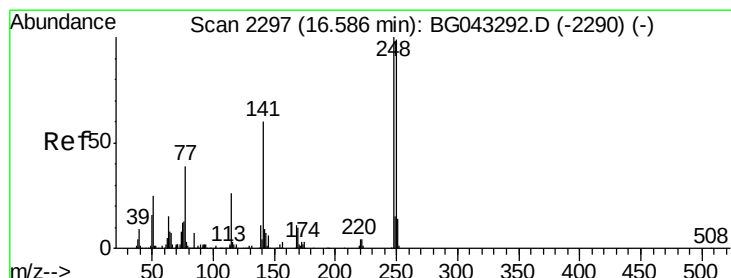
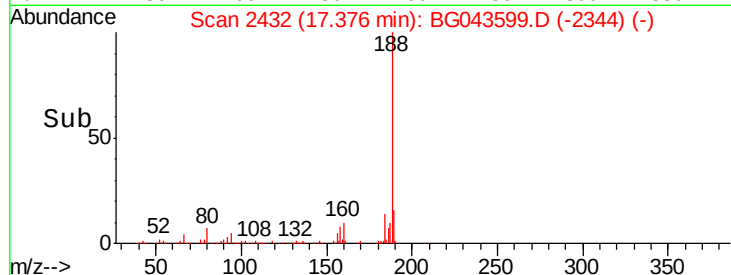
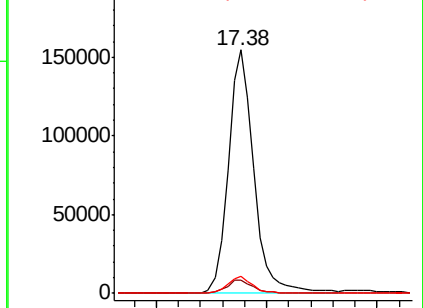
80 6.8 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 2.702 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG043599.D

Acq: 12 Nov 2019 1:09

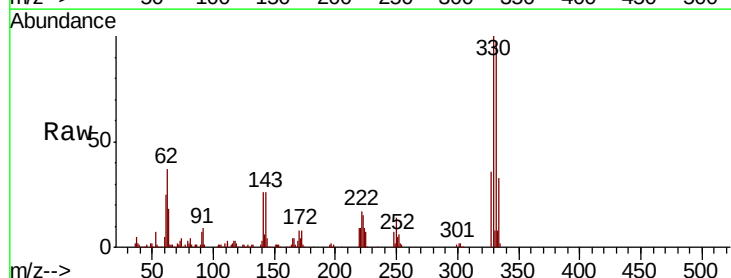
Tgt Ion:248 Resp: 9133

Ion Ratio Lower Upper

248 100

250 200.5 77.0 115.4#

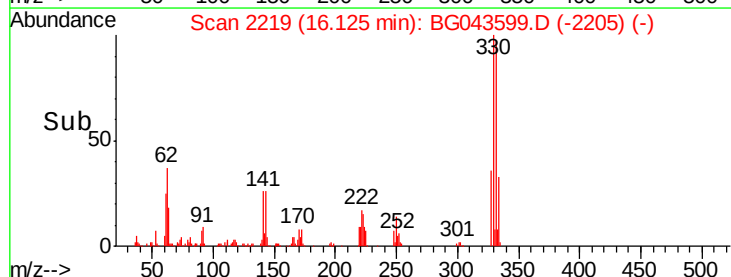
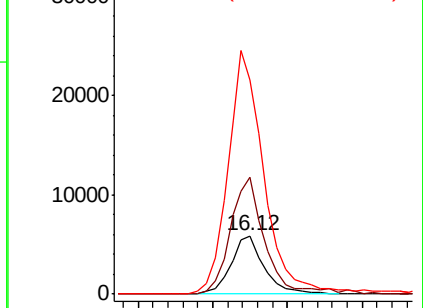
141 367.4 47.5 71.3#

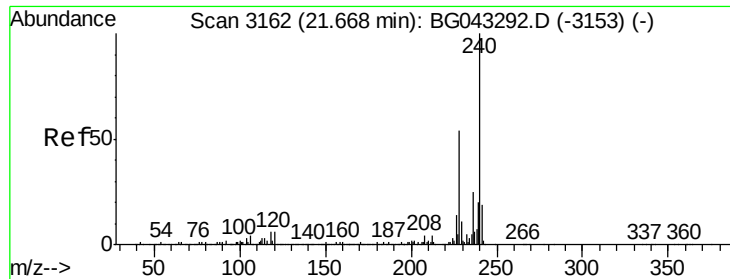


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3158

Delta R.T. -0.01 min

Lab File: BG043599.D

Acq: 12 Nov 2019 1:09

Instrument :

BNA_G

ClientSampled :

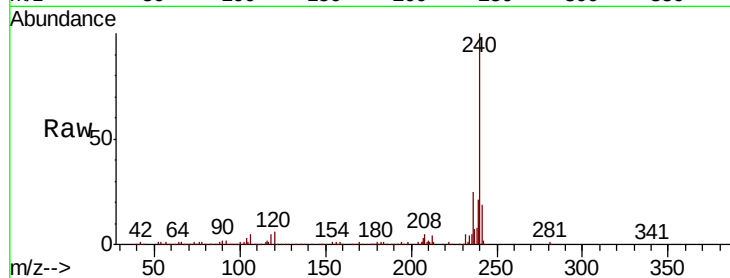
Tot Ion:240 Resp: 203441

Ion Ratio Lower Upper

240 100

120 6.5 4.6 6.8

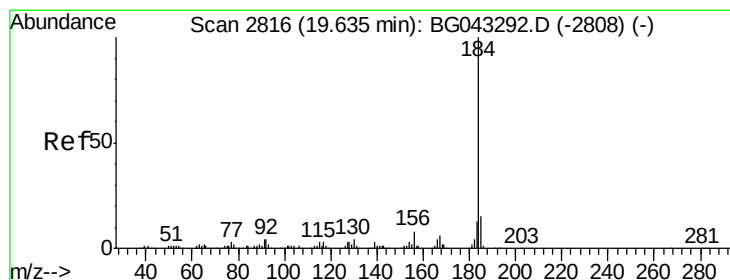
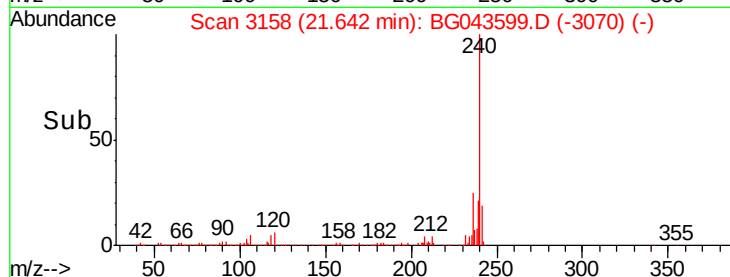
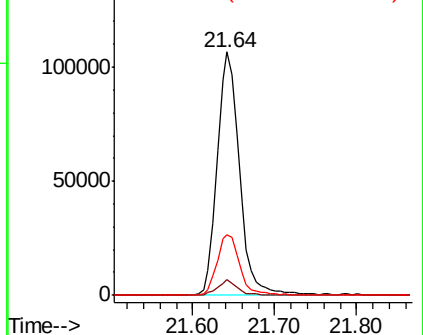
236 25.1 19.8 29.8



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: 3.165 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.36 min

Lab File: BG043599.D

Acq: 12 Nov 2019 1:09

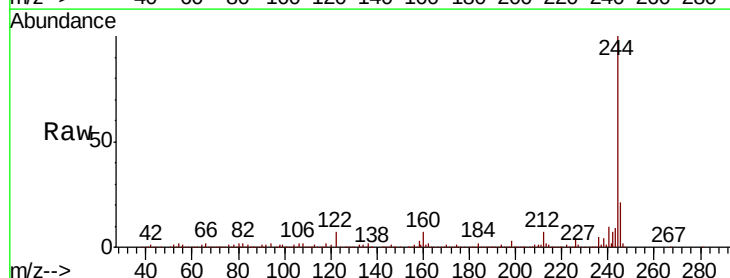
Tgt Ion:184 Resp: 12959

Ion Ratio Lower Upper

184 100

185 13.3 11.0 16.4

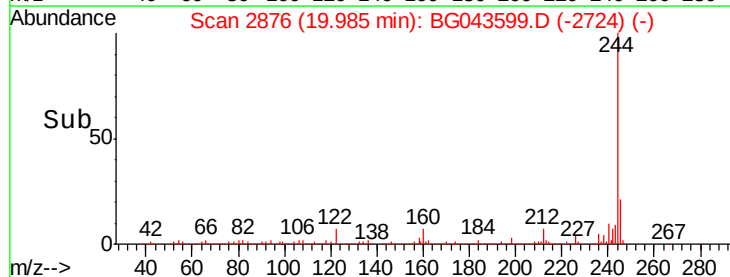
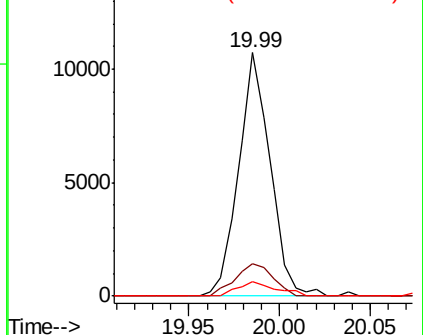
183 5.7 10.0 15.0#

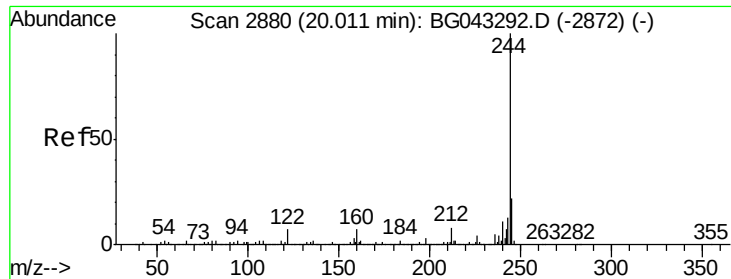


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

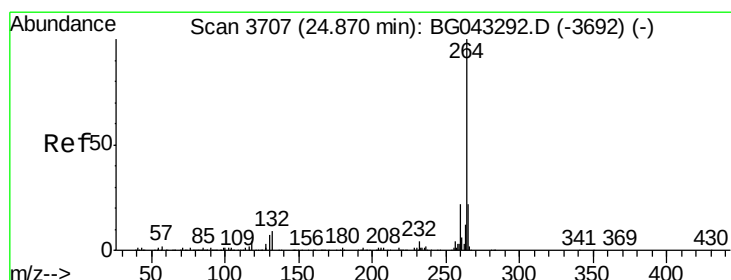
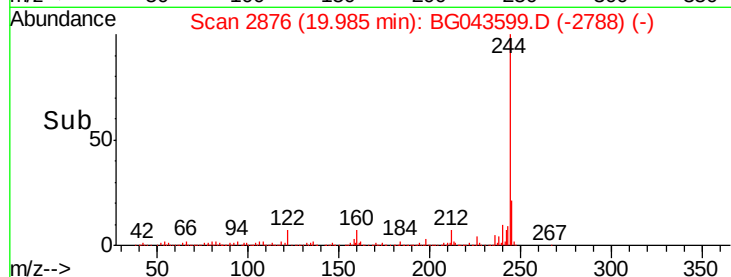
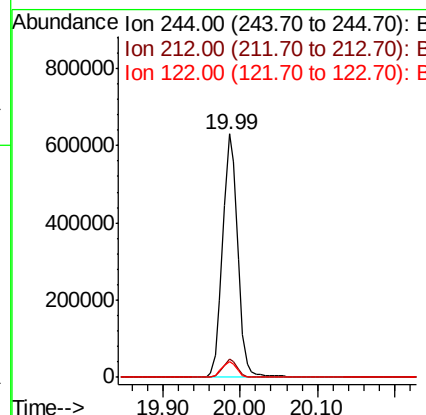
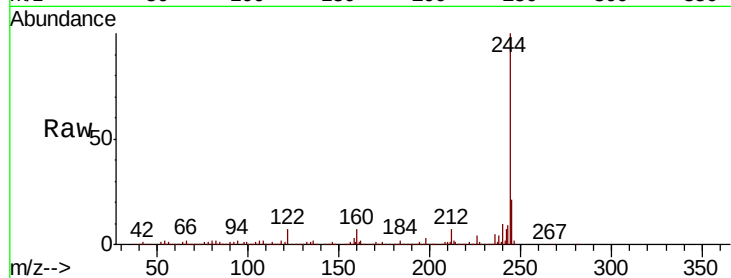




#79
 Terphenyl-d14
 Concen: 78.562 ng
 RT: 19.99 min Scan# 2876
 Delta R.T. -0.01 min
 Lab File: BG043599.D
 Acq: 12 Nov 2019 1:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	6.6	5.4	8.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3700
 Delta R.T. -0.03 min
 Lab File: BG043599.D
 Acq: 12 Nov 2019 1:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.5	26.3
265	21.2	17.4	26.0

