

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102819\
 Data File : BG043363.D
 Acq On : 28 Oct 2019 23:26
 Operator : JU
 Sample : K5539-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 29 13:19:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	44350	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	160760	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	120612	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	286395	20.00	ng	0.00
76) Chrysene-d12	21.66	240	328681	20.00	ng	0.00
87) Perylene-d12	24.86	264	381788	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	333845	137.94	ng	0.00
7) Phenol-d6	7.21	99	470947	135.24	ng	0.00
23) Nitrobenzene-d5	9.19	82	280711	90.02	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	289653	126.20	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	694934	79.62	ng	0.00
79) Terphenyl-d14	20.00	244	1336153	76.27	ng	0.00

Target Compounds

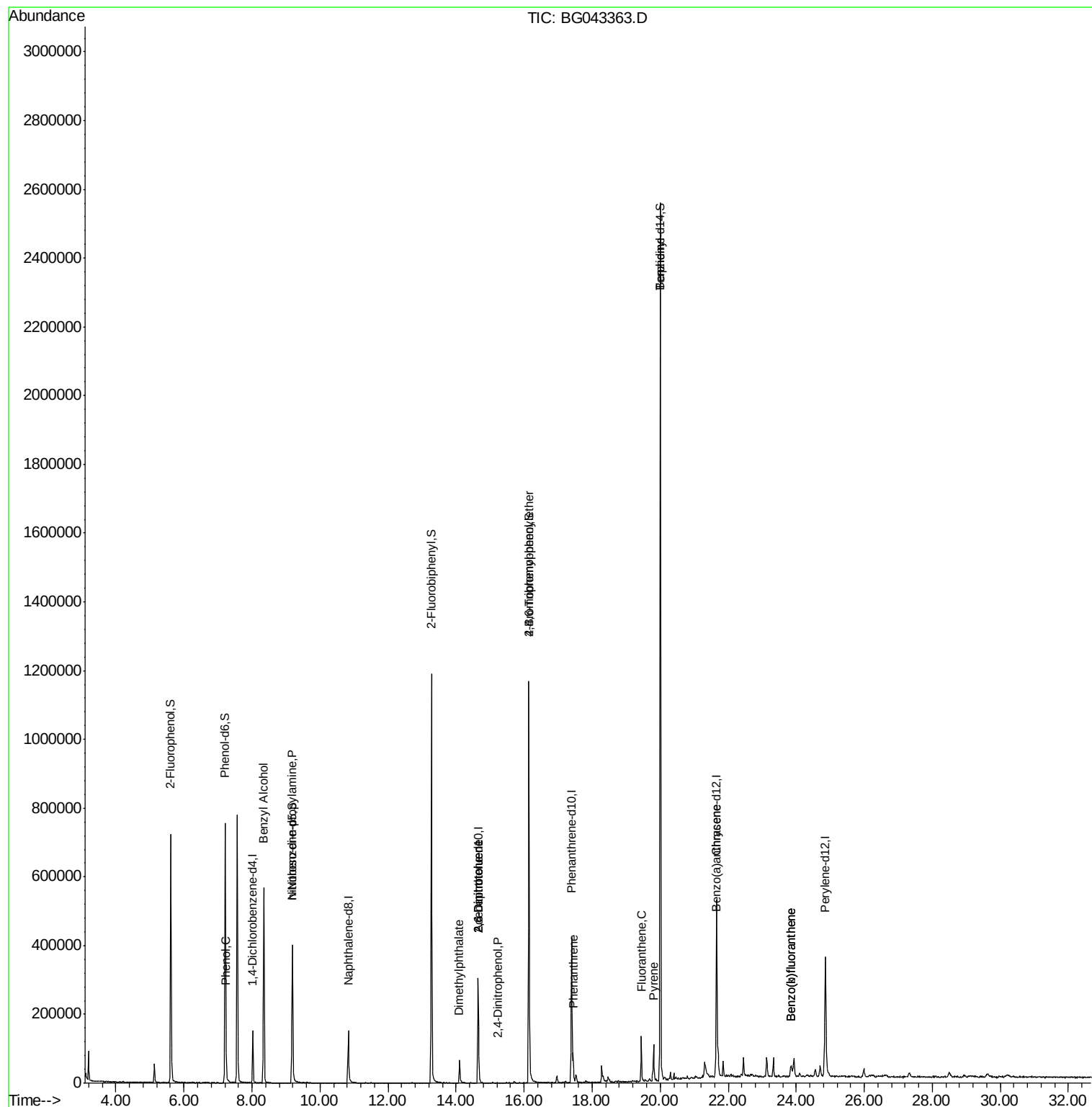
						Qvalue
10) Phenol	7.24	94	12550	3.944	ng	# 75
15) Benzyl Alcohol	8.34	79	5096	2.084	ng	# 63
19) n-Nitroso-di-n-propylamine	9.19	70	39218	17.429	ng	# 72
50) Dimethylphthalate	14.10	163	60475	6.473	ng	98
51) 2,6-Dinitrotoluene	14.65	165	17114	8.432	ng	# 25
54) 2,4-Dinitrophenol	15.24	184	71	7.334	ng	# 20
57) 2,4-Dinitrotoluene	14.65	165	17114	5.900	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	17614	4.570	ng	# 1
71) Phenanthrene	17.44	178	53446	3.644	ng	97
75) Fluoranthene	19.45	202	95122	4.975	ng	97
77) Benzidine	20.00	184	19576	2.959	ng	# 91
78) Pyrene	19.81	202	83497	4.104	ng	96
81) Benzo(a)anthracene	21.64	228	46718	2.269	ng	97
88) Benzo(b)fluoranthene	23.84	252	44973	2.080	ng	# 96
89) Benzo(k)fluoranthene	23.84	252	44973	2.066	ng	# 96

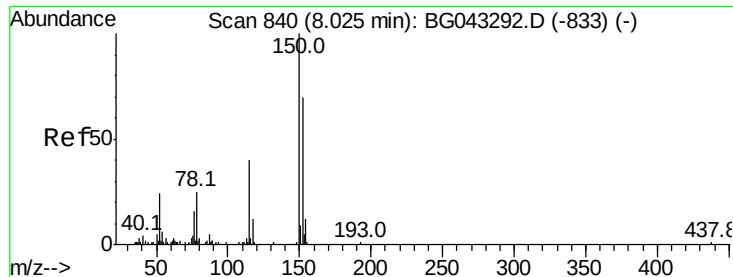
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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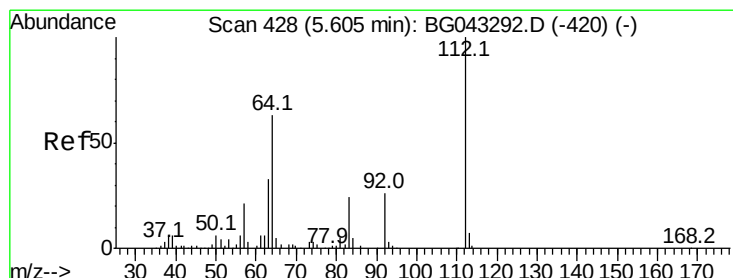
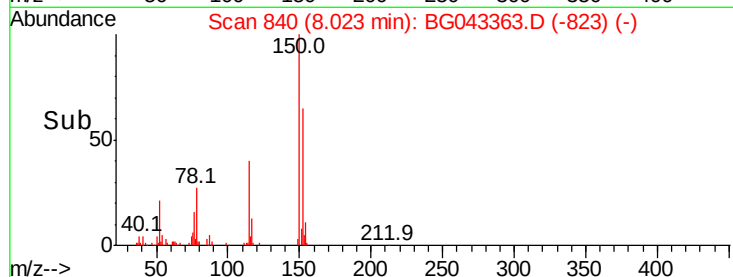
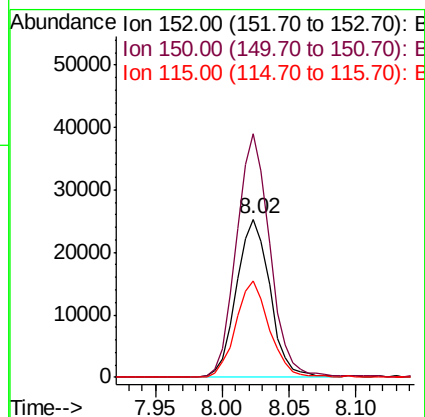
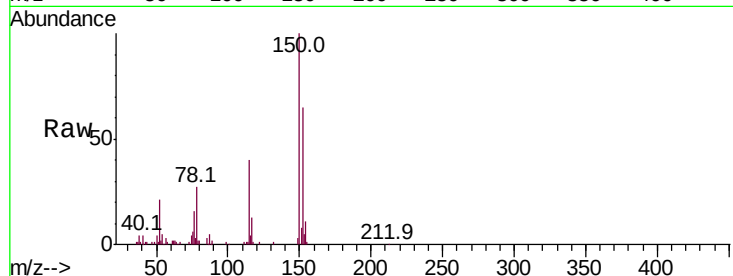


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

Instrument :
BNA_G
ClientSampled :

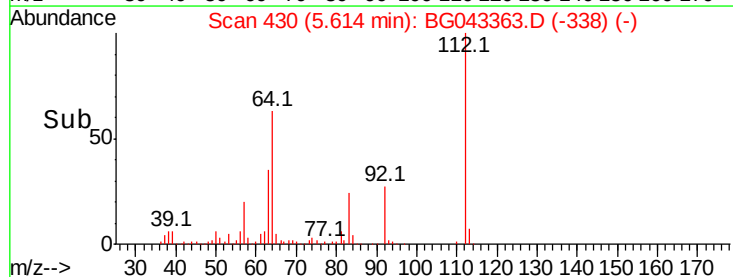
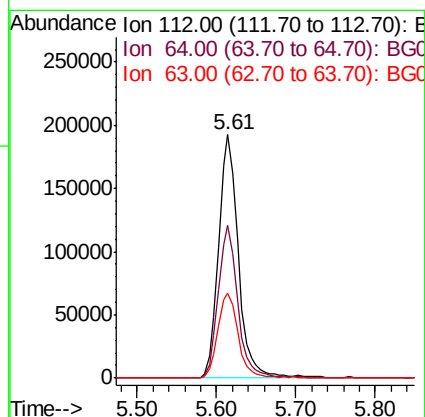
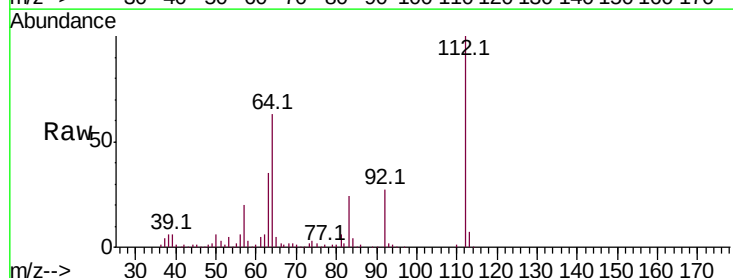
Tot Ion:152 Resp: 44350
Ion Ratio Lower Upper
152 100
150 153.9 113.6 170.4
115 61.2 45.9 68.9

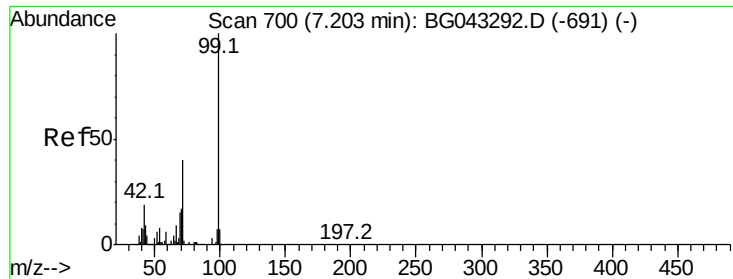


#5

2-Fluorophenol
Concen: 137.938 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

Tgt Ion:112 Resp: 333845
Ion Ratio Lower Upper
112 100
64 62.8 50.2 75.2
63 34.8 26.7 40.1





#7

Phenol-d6

Concen: 135.245 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

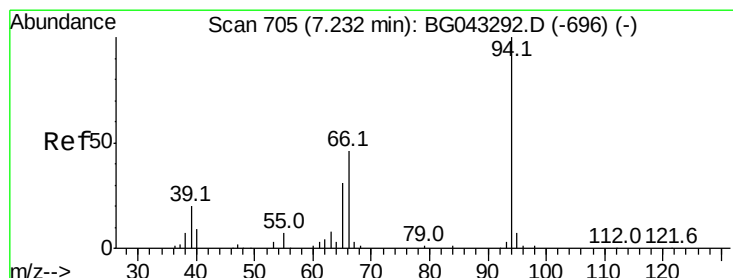
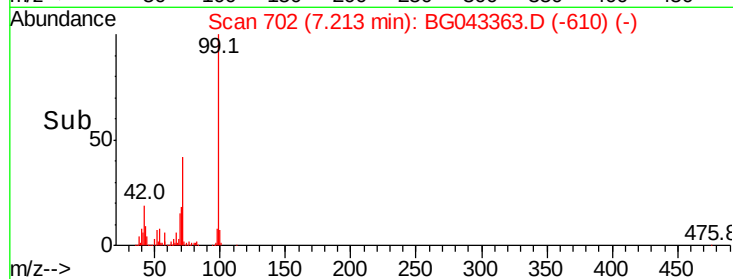
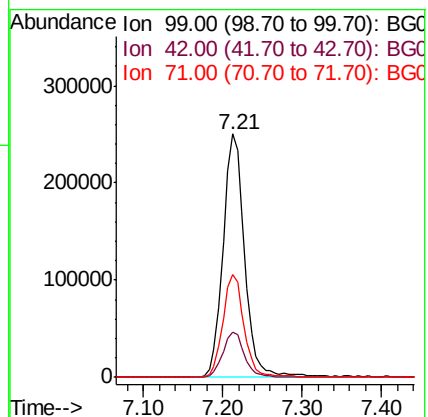
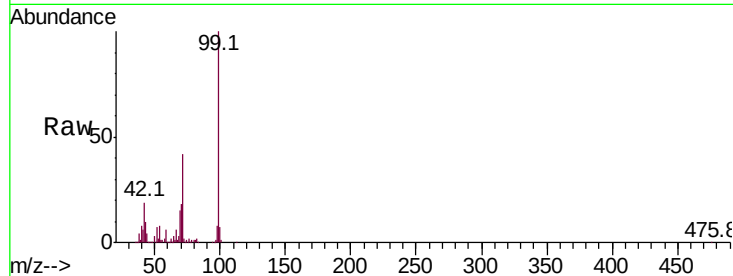
Tot Ion: 99 Resp: 470947

Ion Ratio Lower Upper

99 100

42 18.7 14.9 22.3

71 42.5 32.2 48.2



#10

Phenol

Concen: 3.944 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

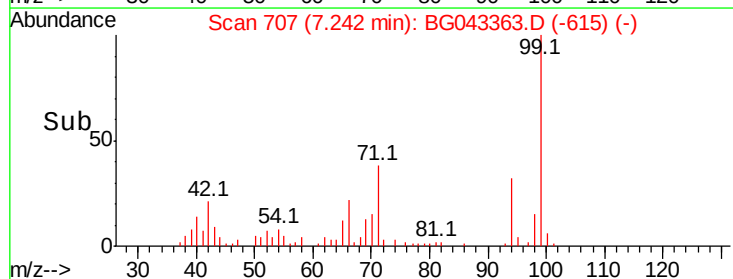
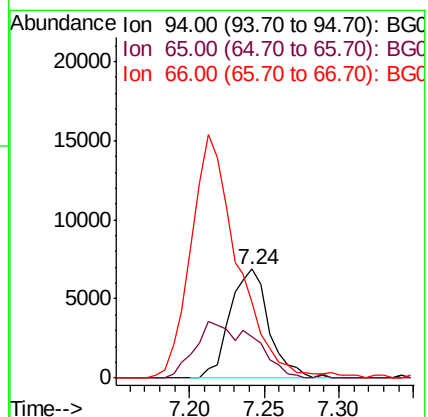
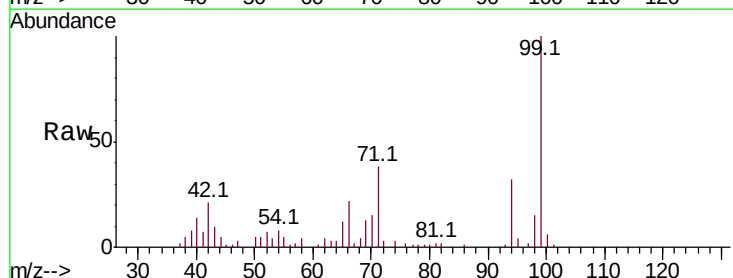
Tgt Ion: 94 Resp: 12550

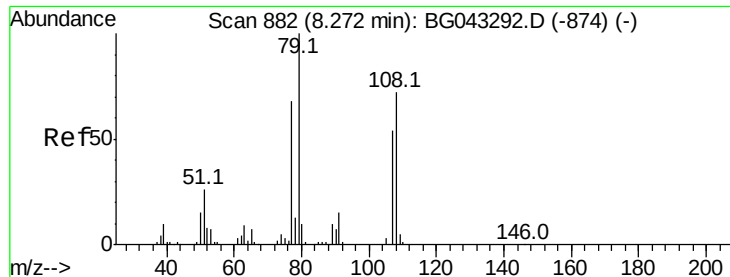
Ion Ratio Lower Upper

94 100

65 38.3 11.1 51.1

66 70.3 27.8 67.8#





#15

Benzyl Alcohol

Concen: 2.084 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.07 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

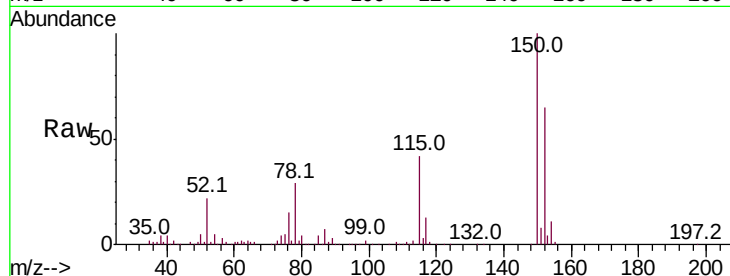
Tot Ion: 79 Resp: 5096

Ion Ratio Lower Upper

79 100

108 35.1 57.3 85.9#

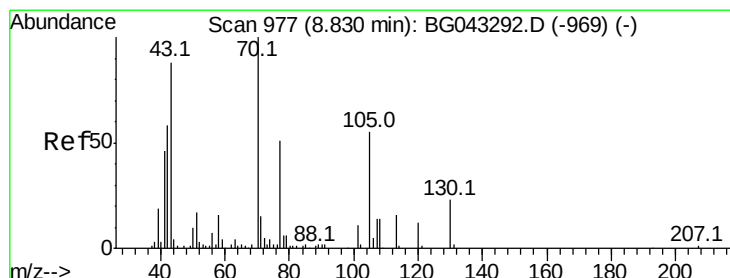
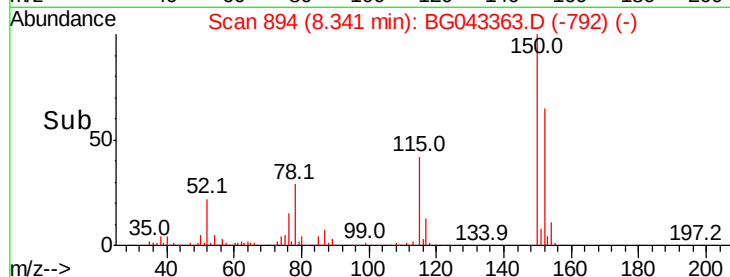
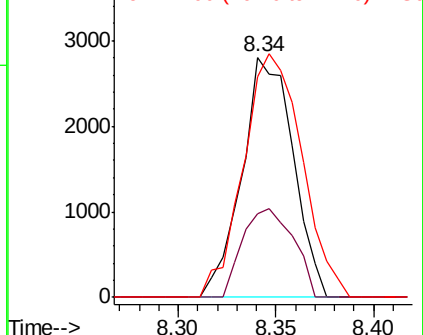
77 91.7 54.6 81.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.429 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Tgt Ion: 70 Resp: 39218

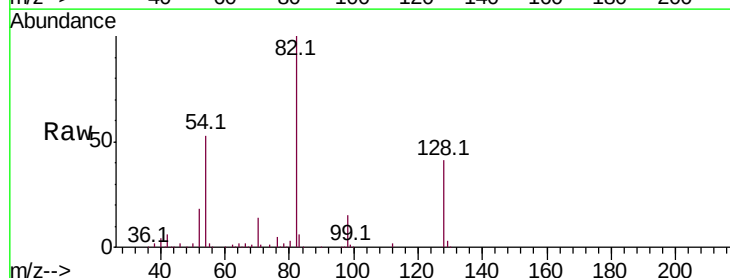
Ion Ratio Lower Upper

70 100

42 41.8 46.2 69.2#

101 0.0 8.6 13.0#

130 1.2 18.6 27.8#

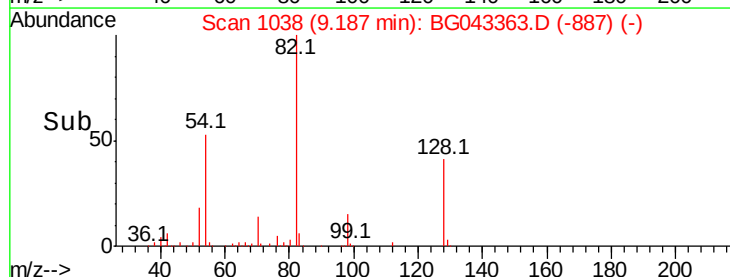
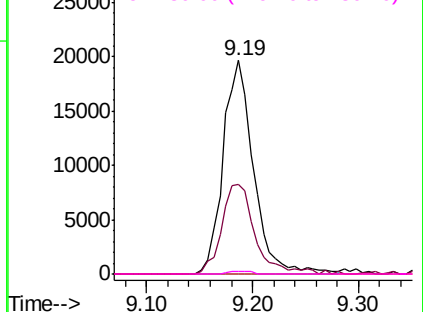


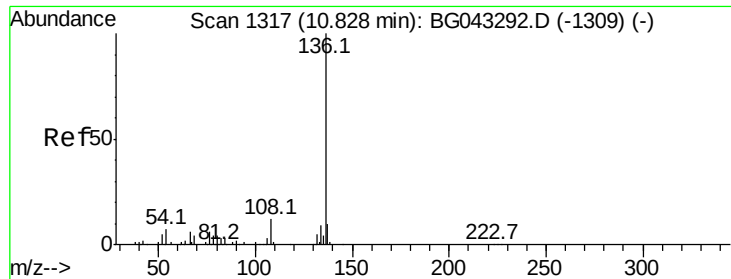
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

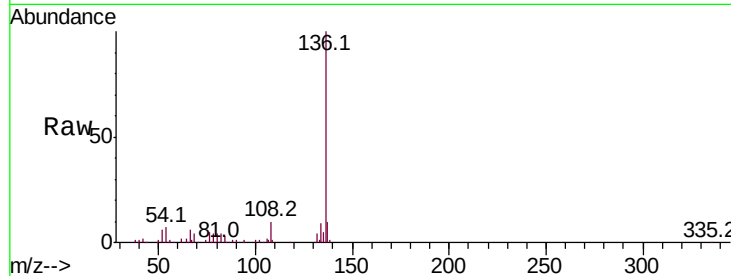




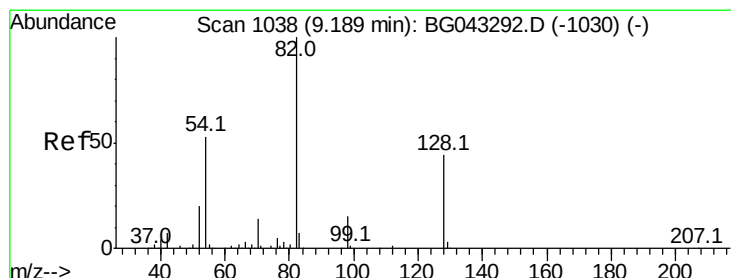
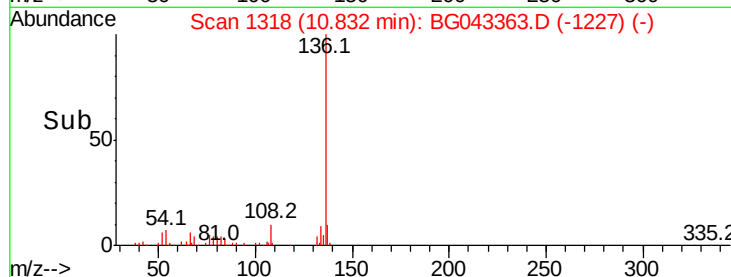
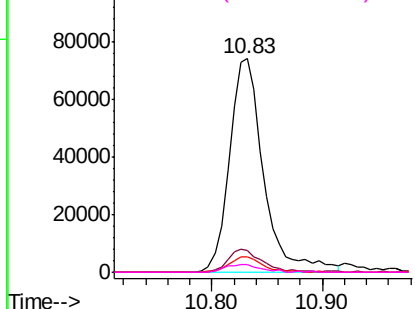
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	160760
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.2	12.2
54	7.2	5.4	8.2
68	3.9	3.3	4.9

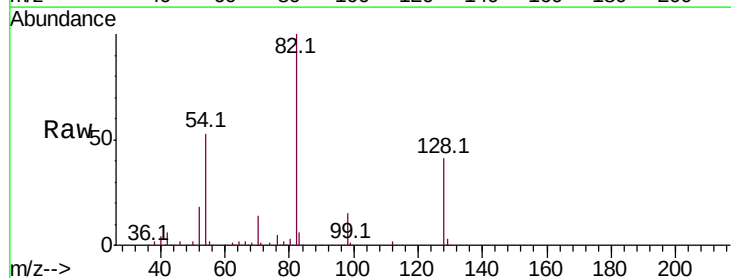


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

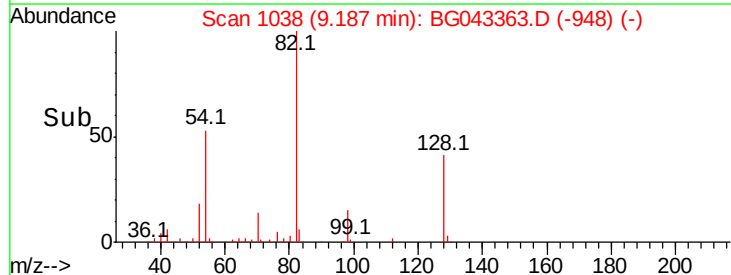
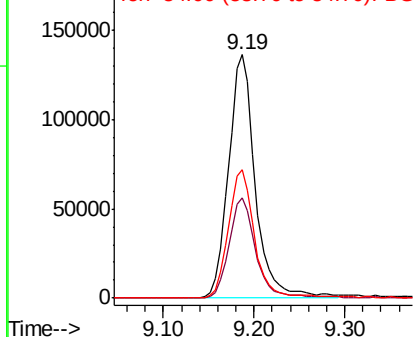


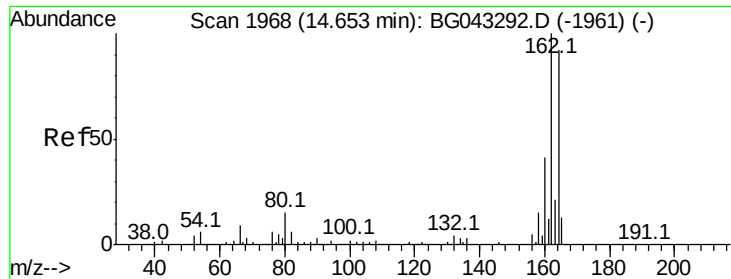
#23
Nitrobenzene-d5
Concen: 90.022 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

Tgt Ion:	82	Resp:	280711
Ion	Ratio	Lower	Upper
82	100		
128	41.2	35.3	52.9
54	52.6	42.3	63.5



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampled :

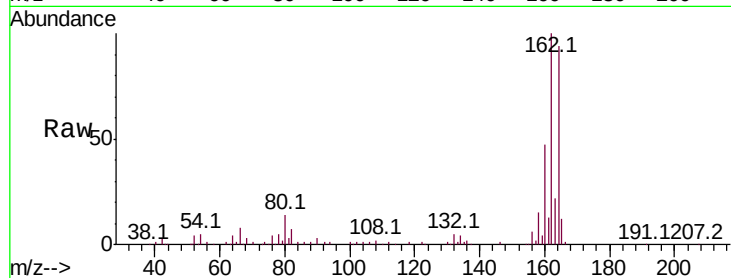
Tot Ion:164 Resp: 120612

Ion Ratio Lower Upper

164 100

162 106.8 87.0 130.4

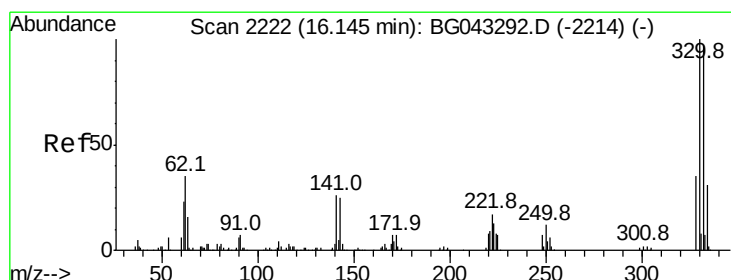
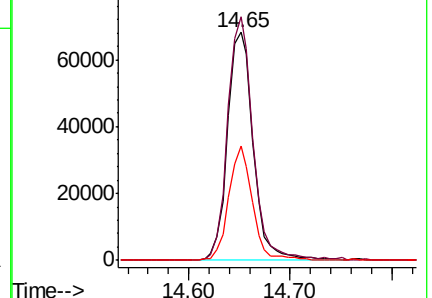
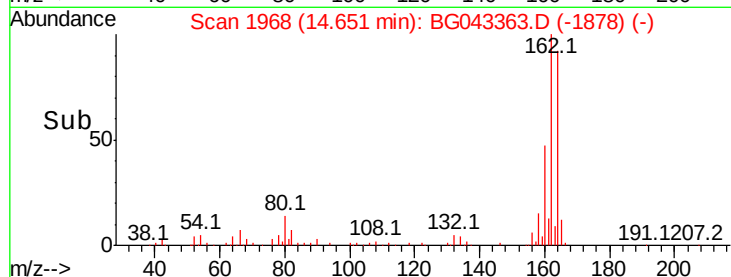
160 50.4 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 126.197 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

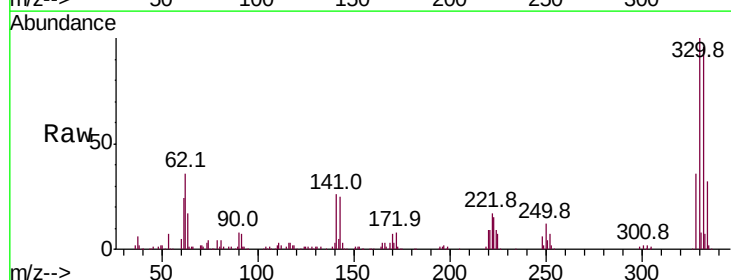
Tgt Ion:330 Resp: 289653

Ion Ratio Lower Upper

330 100

332 96.4 76.4 114.6

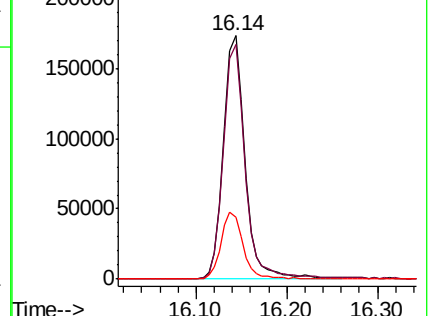
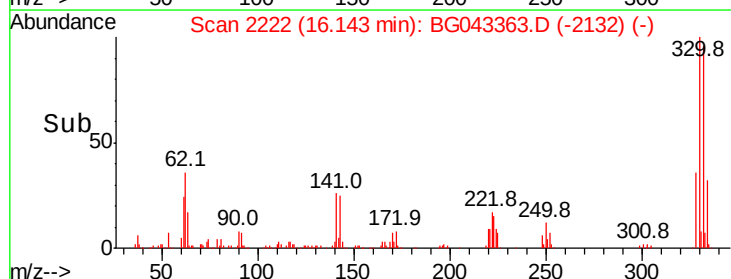
141 27.6 21.4 32.0

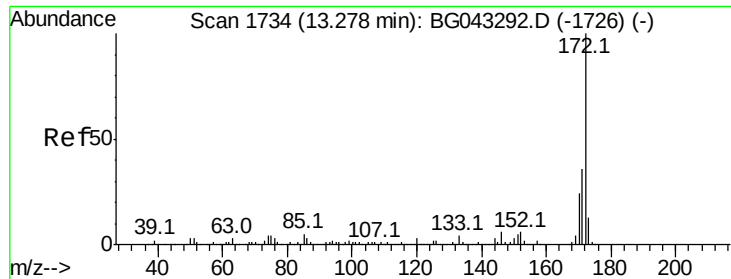


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

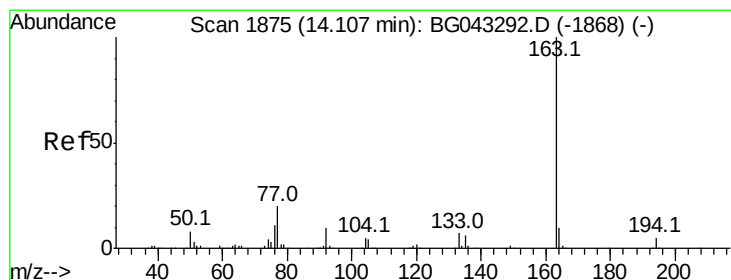
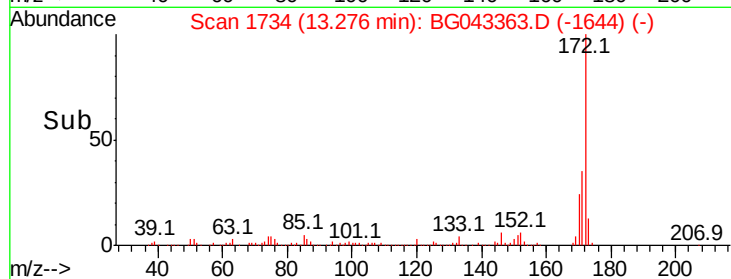
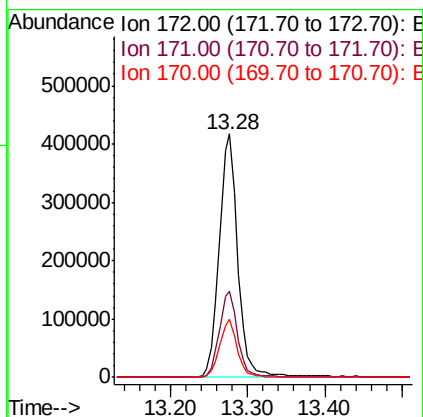
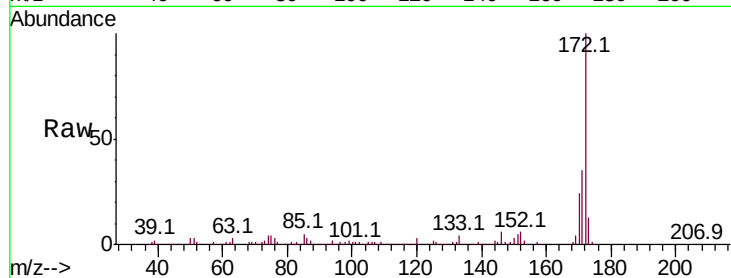




#45
 2-Fluorobiphenyl
 Concen: 79.616 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043363.D
 Acq: 28 Oct 2019 23:26

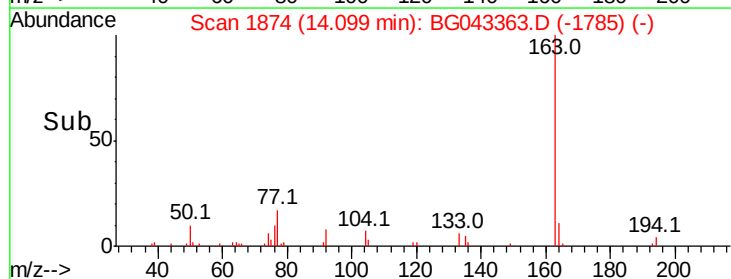
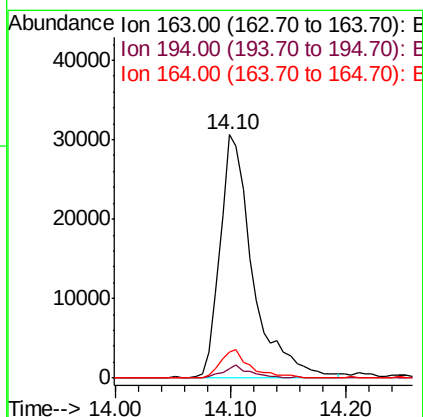
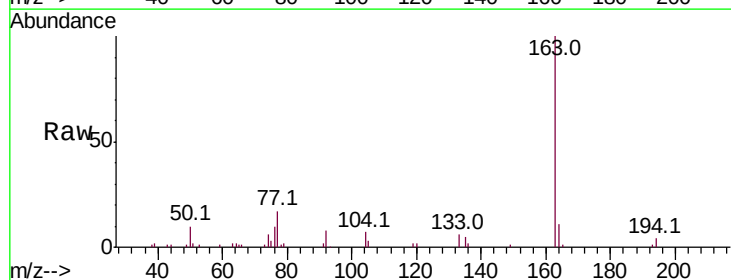
Instrument :
 BNA_G
 ClientSampleId :

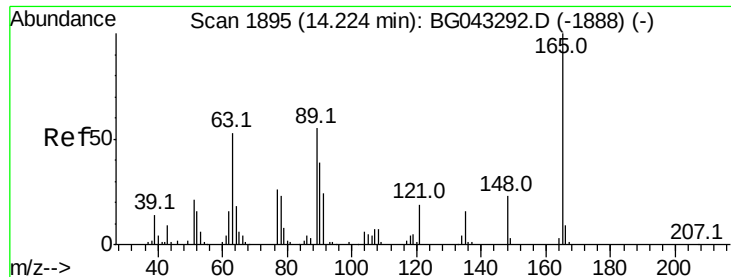
Tot Ion:172 Resp: 694934
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.5 42.7
 170 23.7 18.8 28.2



#50
 Dimethylphthalate
 Concen: 6.473 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043363.D
 Acq: 28 Oct 2019 23:26

Tgt Ion:163 Resp: 60475
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.7 5.5
 164 10.7 8.1 12.1

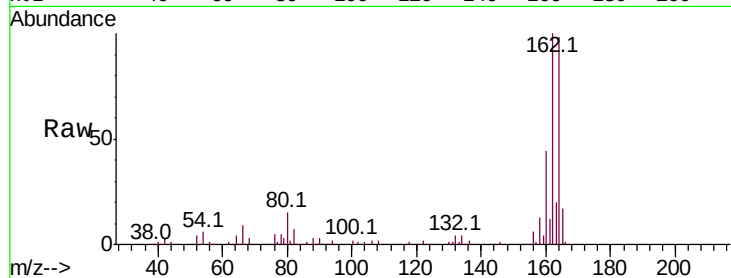




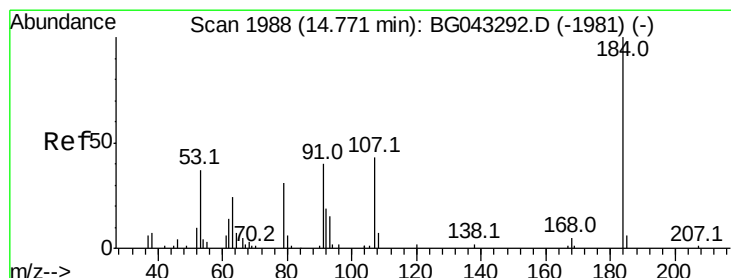
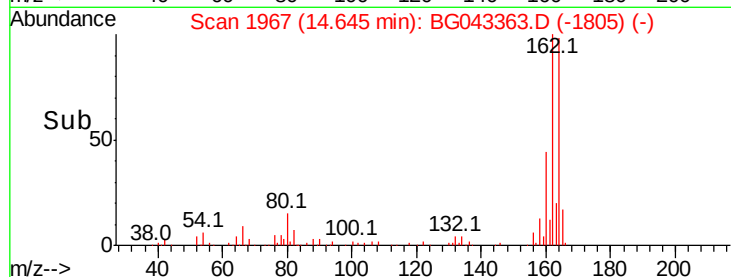
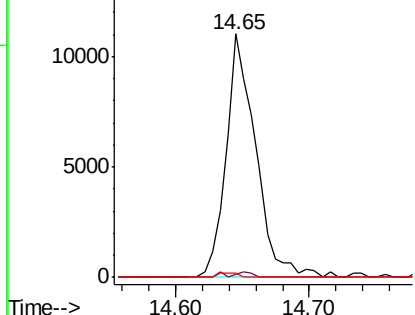
#51
 2,6-Dinitrotoluene
 Concen: 8.432 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.42 min
 Lab File: BG043363.D
 Acq: 28 Oct 2019 23:26

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	47.1	70.7#
89	1.7	43.7	65.5#

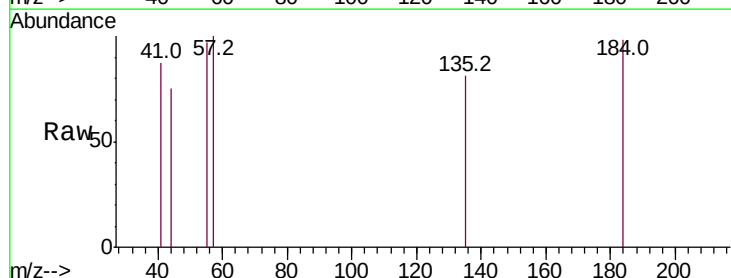


Abundance Ion 165.00 (164.70 to 165.70): E
 15000 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

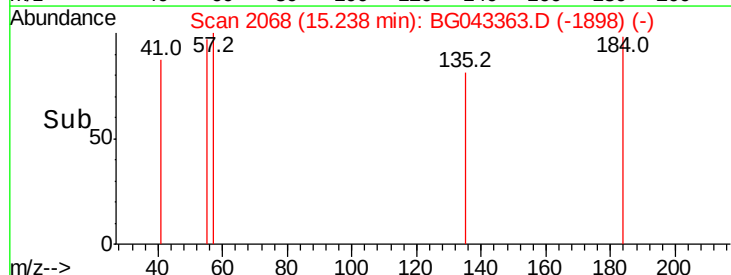
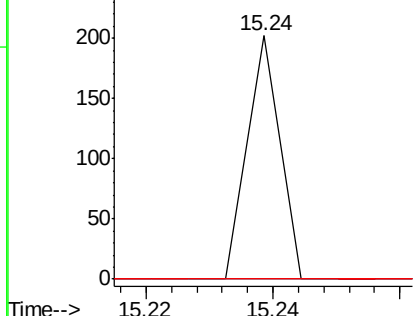


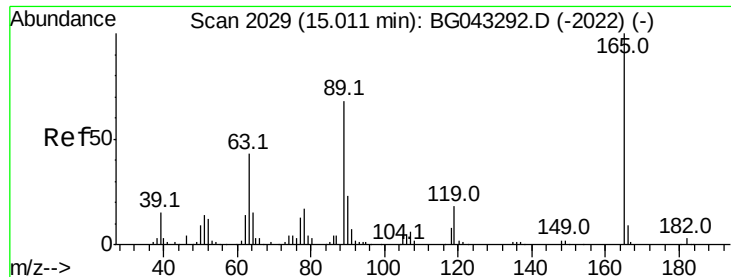
#54
 2,4-Dinitrophenol
 Concen: 7.334 ng
 RT: 15.24 min Scan# 2068
 Delta R.T. 0.47 min
 Lab File: BG043363.D
 Acq: 28 Oct 2019 23:26

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	48.8	73.2#
154	0.0	49.4	74.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 250 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

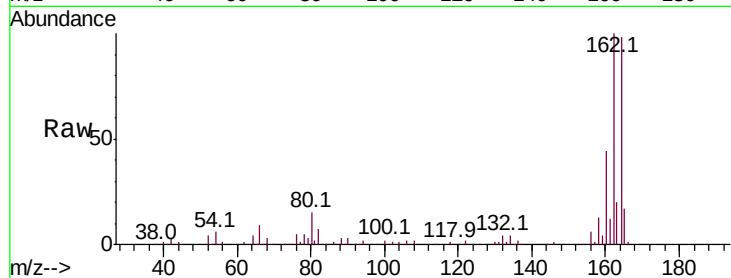




#57
 2,4-Dinitrotoluene
 Concen: 5.900 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.37 min
 Lab File: BG043363.D
 Acq: 28 Oct 2019 23:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	35.0	52.6#
89	1.7	54.1	81.1#
182	0.0	2.2	3.2#

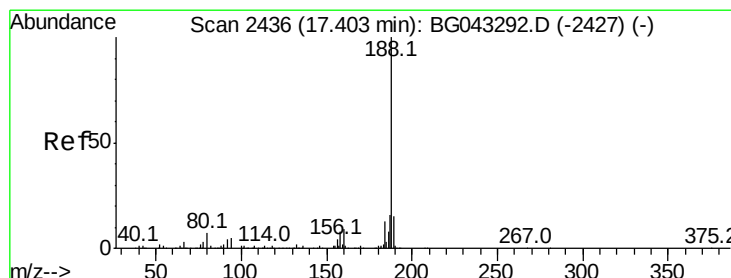
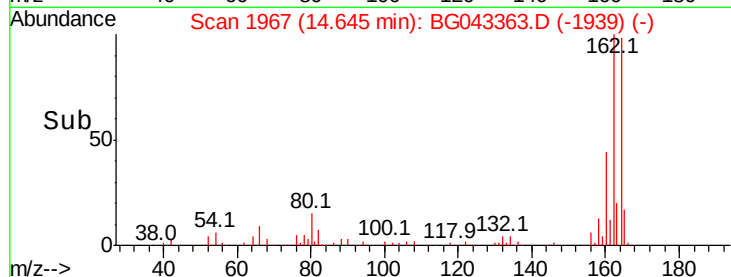
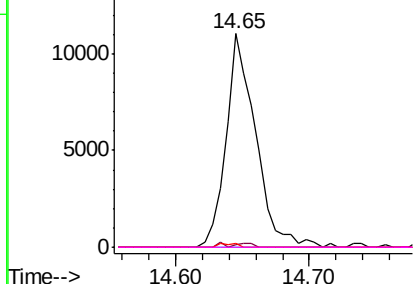


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

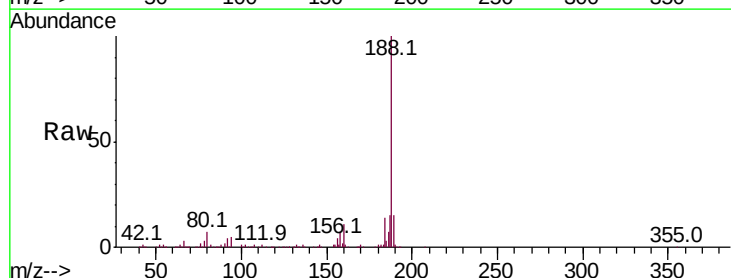
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043363.D
 Acq: 28 Oct 2019 23:26

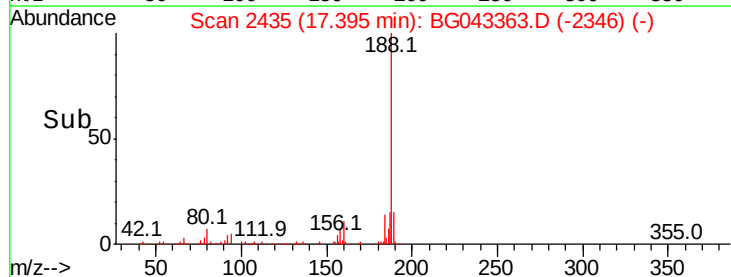
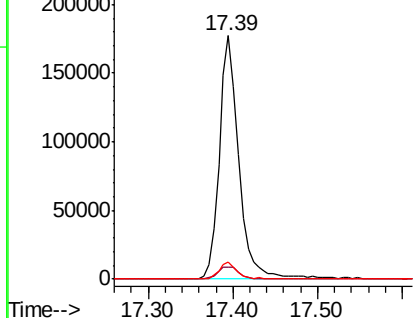
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.6	4.2	6.2
80	6.8	5.2	7.8

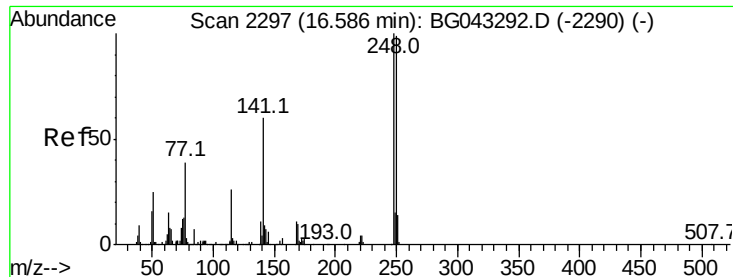


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

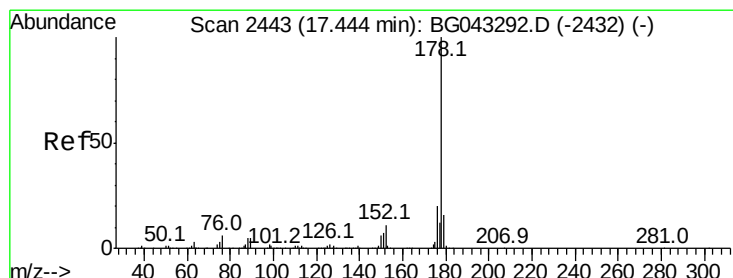
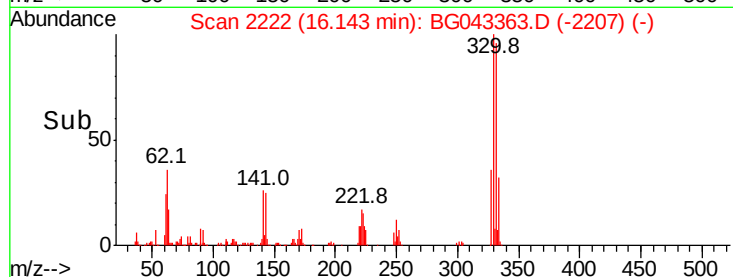
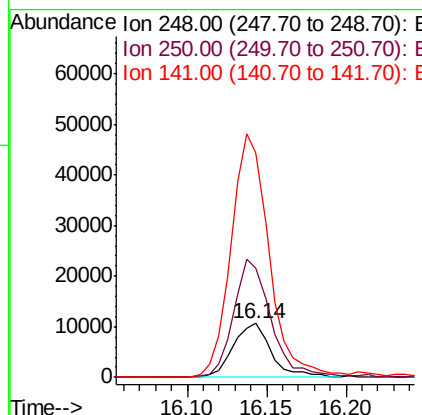
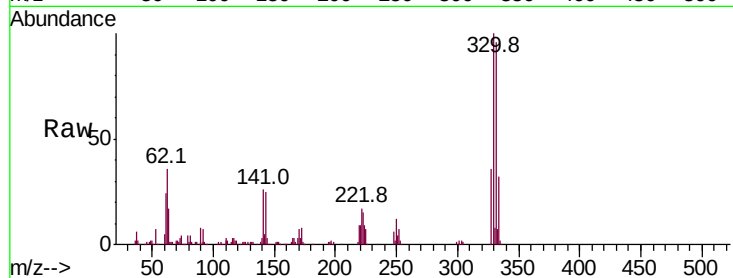




#67
 4-Bromophenyl-phenylether
 Concen: 4.570 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG043363.D
 Acq: 28 Oct 2019 23:26

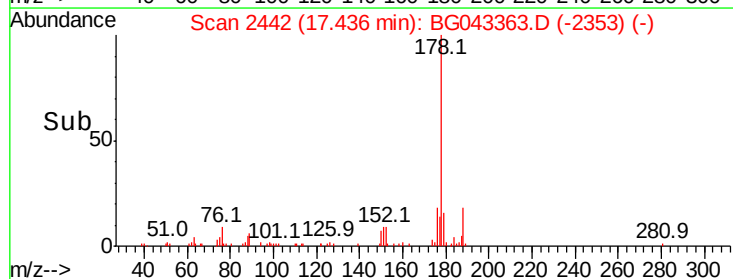
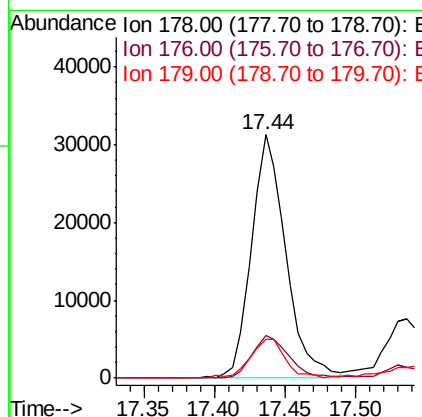
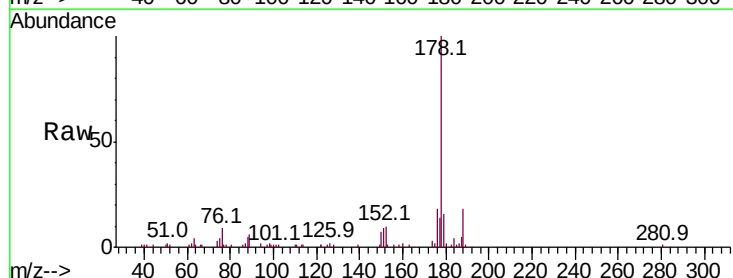
Instrument :
 BNA_G
 ClientSampleId :

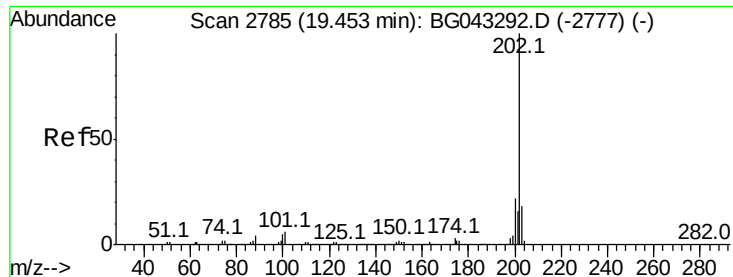
Tot Ion:248 Resp: 17614
 Ion Ratio Lower Upper
 248 100
 250 201.2 79.3 118.9#
 141 415.7 47.9 71.9#



#71
 Phenanthrene
 Concen: 3.644 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG043363.D
 Acq: 28 Oct 2019 23:26

Tgt Ion:178 Resp: 53446
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.8 23.8
 179 15.9 13.1 19.7





#75

Fluoranthene

Concen: 4.975 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG043363.D

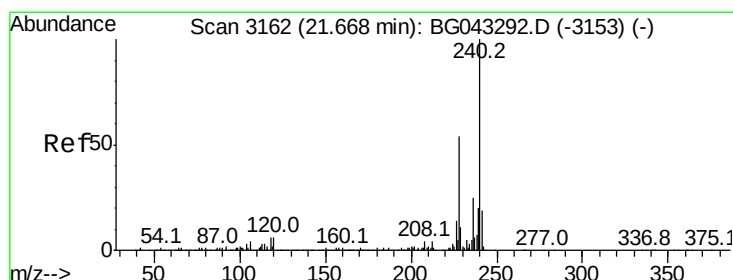
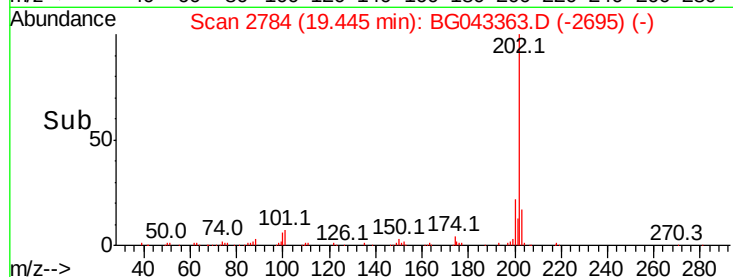
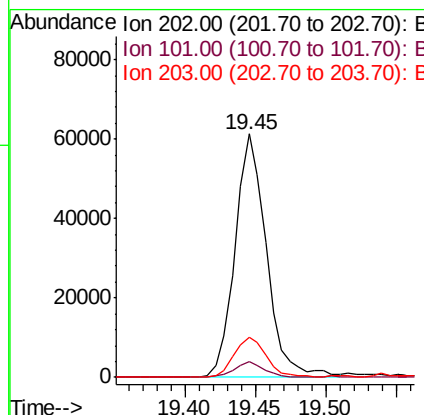
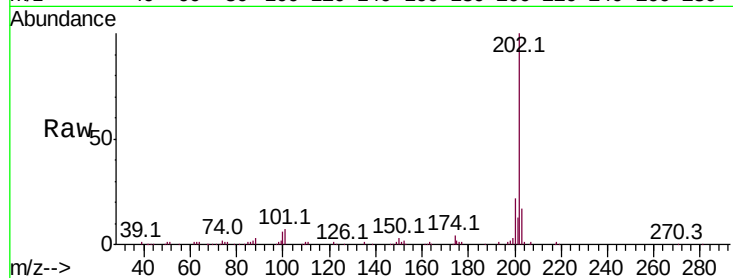
Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	95122
Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	26.0
203	16.5	0.0	38.2



#76

Chrysene-d12

Concen: 20.000 ng

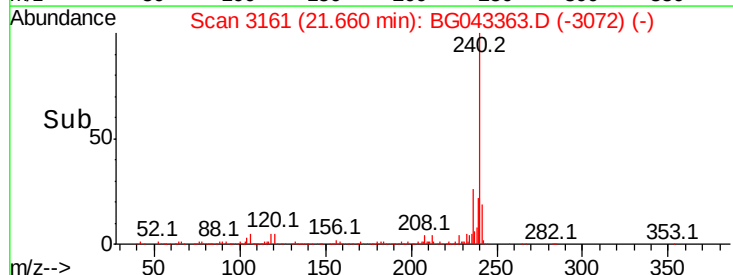
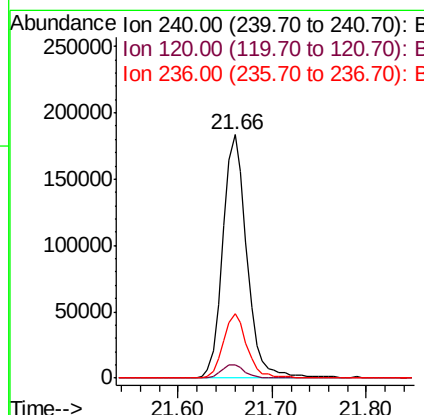
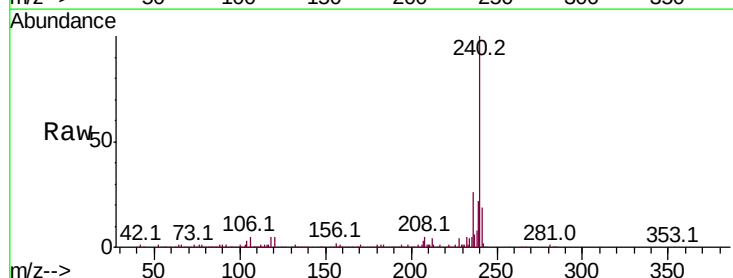
RT: 21.66 min Scan# 3161

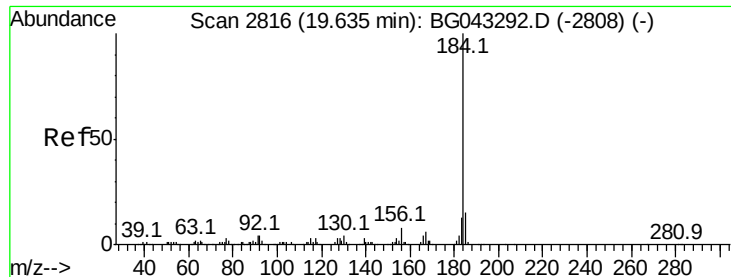
Delta R.T. -0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Tgt Ion:	240	Resp:	328681
Ion	Ratio	Lower	Upper
240	100		
120	5.2	4.6	7.0
236	26.3	20.2	30.4





#77

Benzidine

Concen: 2.959 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

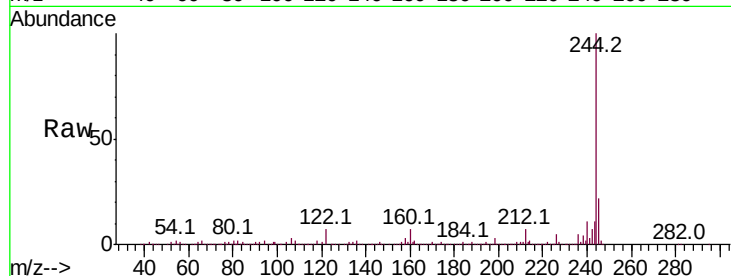
Tot Ion:184 Resp: 19576

Ion Ratio Lower Upper

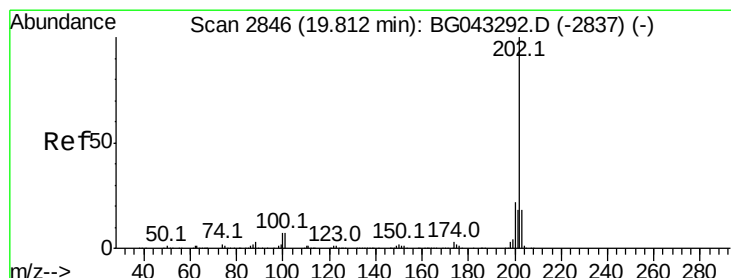
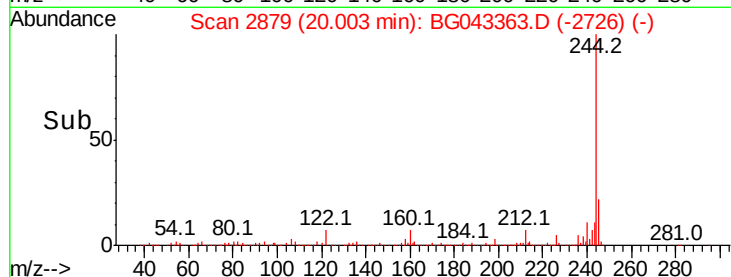
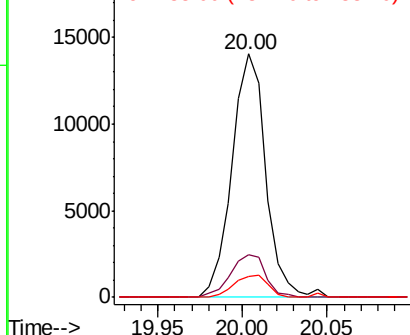
184 100

185 17.6 11.8 17.6

183 8.4 10.6 16.0#



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



#78

Pyrene

Concen: 4.104 ng

RT: 19.81 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

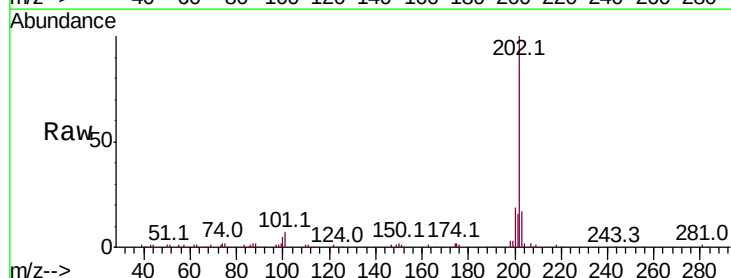
Tgt Ion:202 Resp: 83497

Ion Ratio Lower Upper

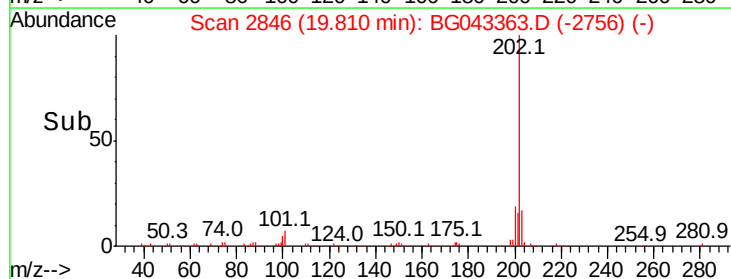
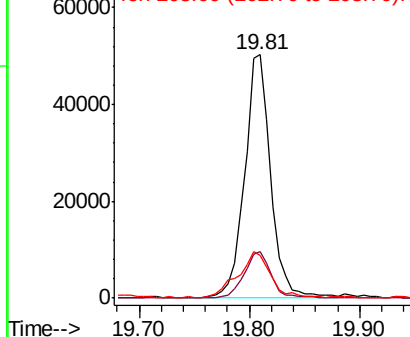
202 100

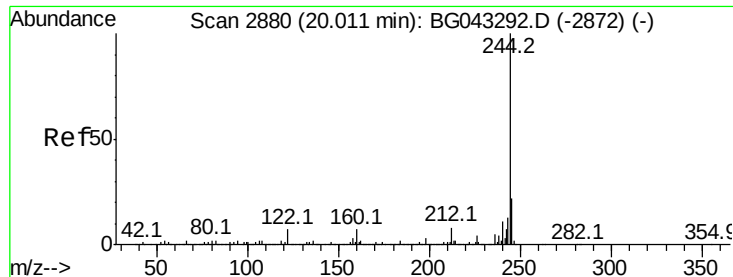
200 19.0 17.3 25.9

203 17.5 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

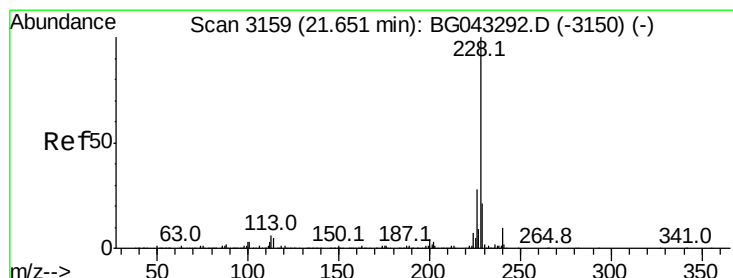
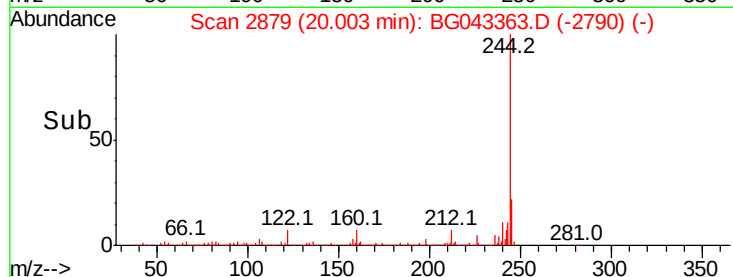
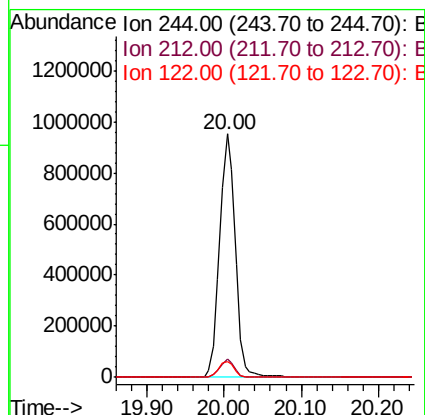
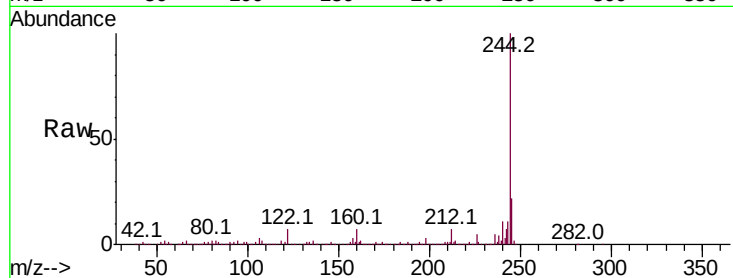




#79
 Terphenyl-d14
 Concen: 76.265 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043363.D
 Acq: 28 Oct 2019 23:26

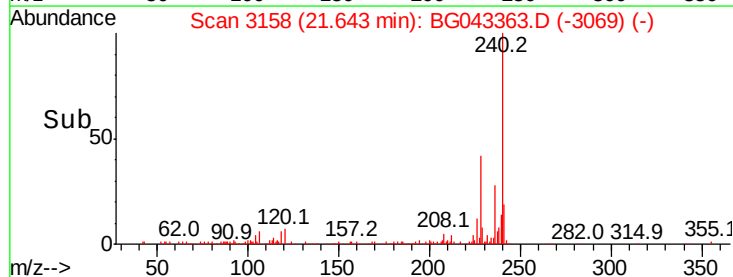
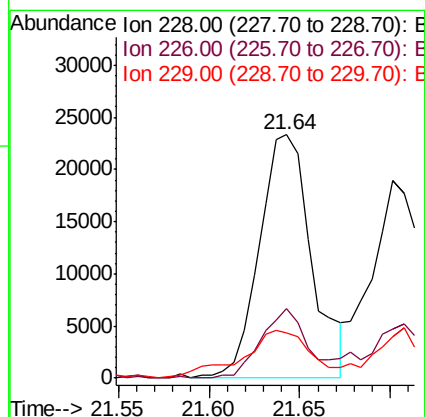
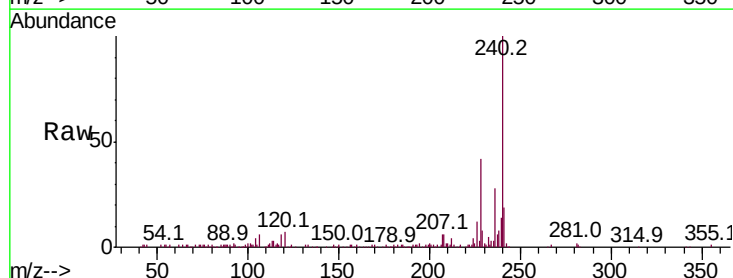
Instrument :
 BNA_G
 ClientSampleId :

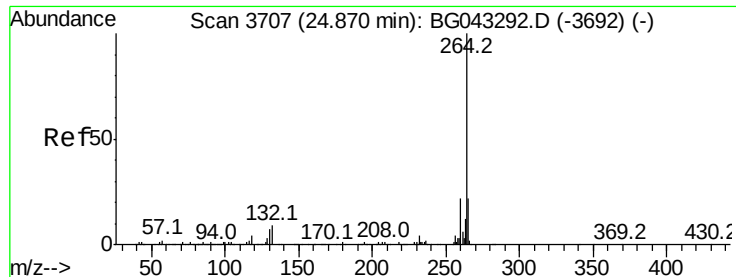
Tot Ion:244 Resp: 1336153
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.4 9.6
 122 6.7 5.3 7.9



#81
 Benzo(a)anthracene
 Concen: 2.269 ng
 RT: 21.64 min Scan# 3158
 Delta R.T. -0.01 min
 Lab File: BG043363.D
 Acq: 28 Oct 2019 23:26

Tgt Ion:228 Resp: 46718
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.2 33.4
 229 18.7 16.9 25.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

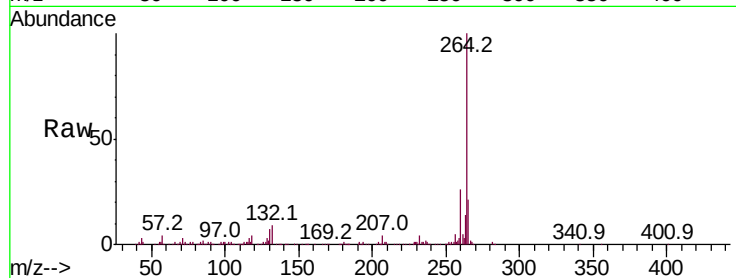
Tot Ion:264 Resp: 381788

Ion	Ratio	Lower	Upper
264	100		
260	26.4	17.9	26.9
265	21.4	17.4	26.2

264 100

260 26.4 17.9 26.9

265 21.4 17.4 26.2

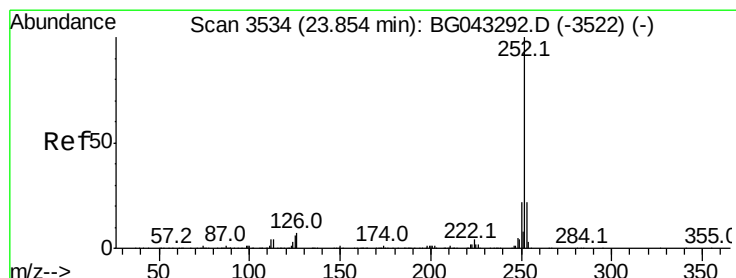
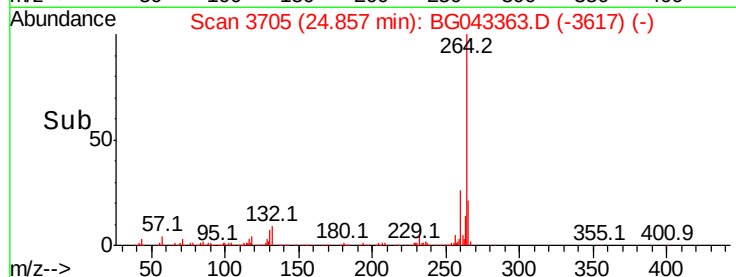
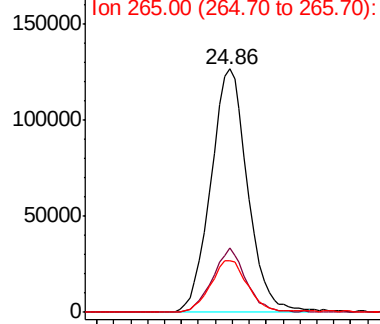


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 2.080 ng

RT: 23.84 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

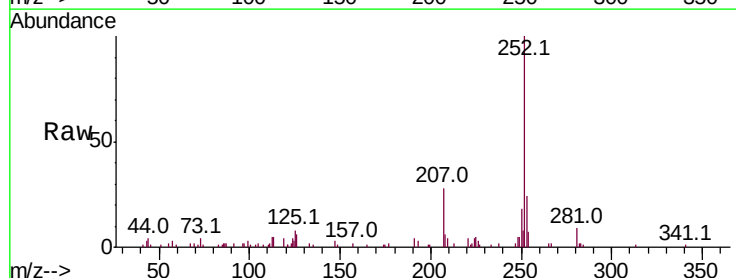
Tgt Ion:252 Resp: 44973

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	7.9	5.0	7.6#

252 100

253 23.7 17.4 26.2

125 7.9 5.0 7.6#

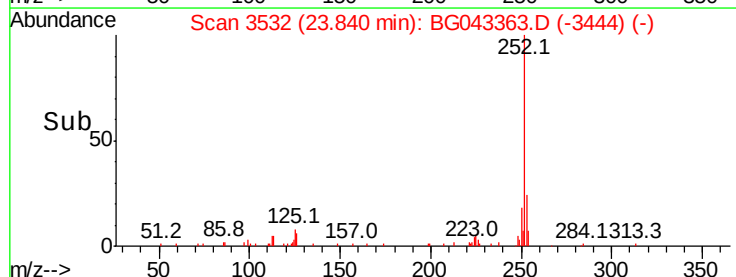
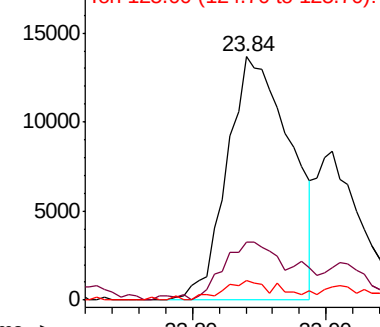


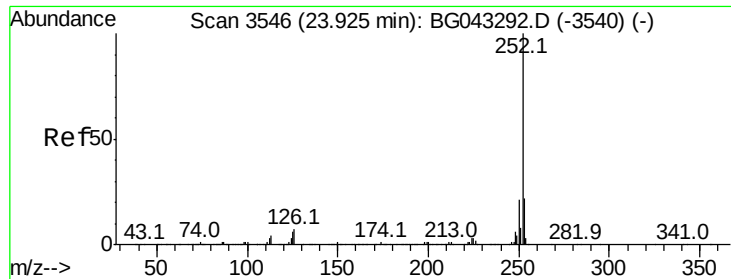
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.066 ng

RT: 23.84 min Scan# 3532

Delta R.T. -0.08 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

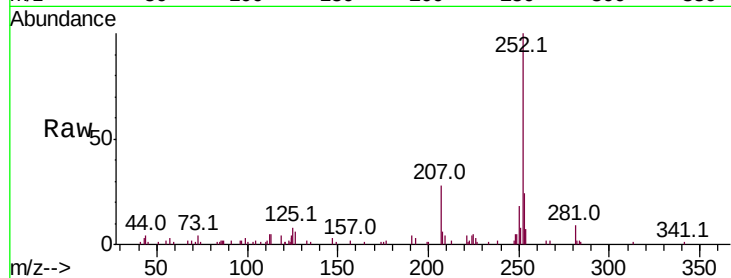
Tot Ion:252 Resp: 44973

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 7.9 4.5 6.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

