

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043444.D
 Acq On : 31 Oct 2019 21:38
 Operator : JU
 Sample : K5148-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 04:02:23 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	48222	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	165478	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	119562	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	275580	20.00	ng	0.00
76) Chrysene-d12	21.66	240	290436	20.00	ng	0.00
87) Perylene-d12	24.86	264	349188	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	356612	135.51	ng	0.01
7) Phenol-d6	7.21	99	481208	127.10	ng	0.01
23) Nitrobenzene-d5	9.19	82	302584	94.27	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	289545	127.26	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	787187	90.98	ng	0.00
79) Terphenyl-d14	20.00	244	1464737	94.61	ng	0.00

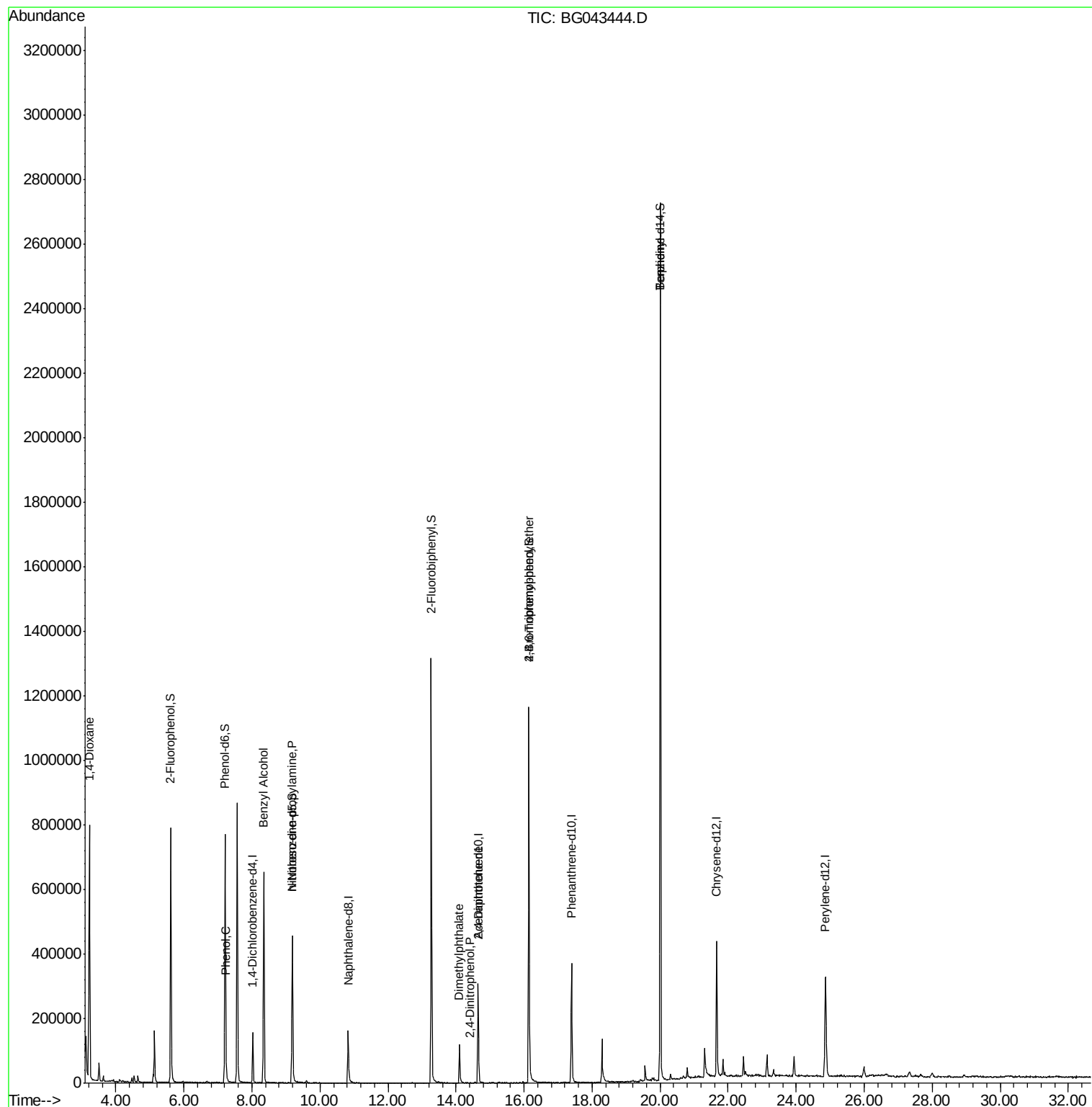
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	8709	8.492	ng	# 1
10) Phenol	7.24	94	13532	3.911	ng	# 88
15) Benzyl Alcohol	8.35	79	5387	2.026	ng	# 50
19) n-Nitroso-di-n-propylamine	9.19	70	42045	17.185	ng	# 74
50) Dimethylphthalate	14.10	163	97846	10.565	ng	# 98
54) 2,4-Dinitrophenol	14.41	184	54	7.322	ng	# 20
57) 2,4-Dinitrotoluene	14.65	165	16079	5.592	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	18887	5.093	ng	# 1
77) Benzidine	20.00	184	20849	3.567	ng	# 94

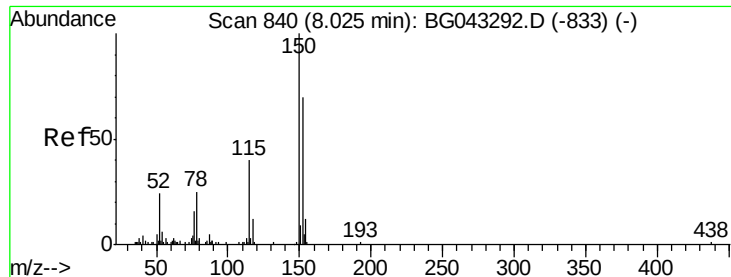
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 21 16:37:43 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG043444.D

Acq: 31 Oct 2019 21:38

Instrument :

BNA_G

ClientSampleId :

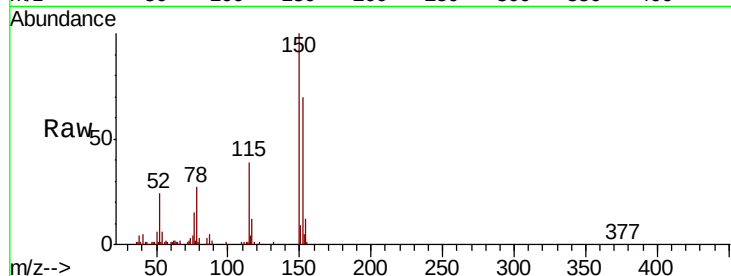
Tot Ion:152 Resp: 48222

Ion Ratio Lower Upper

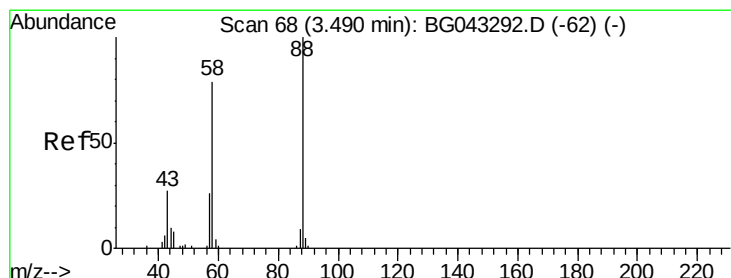
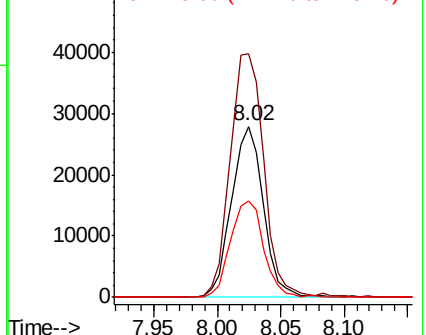
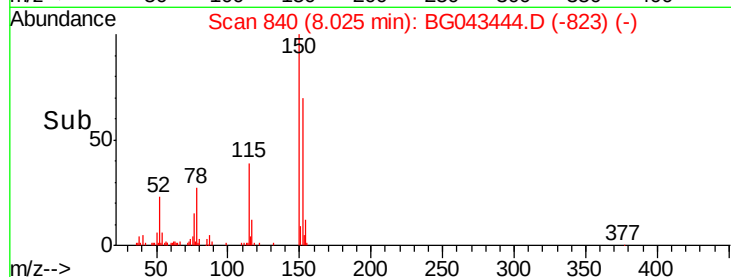
152 100

150 142.2 113.6 170.4

115 56.1 45.9 68.9



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



#2

1,4-Dioxane

Concen: 8.492 ng

RT: 3.22 min Scan# 23

Delta R.T. -0.27 min

Lab File: BG043444.D

Acq: 31 Oct 2019 21:38

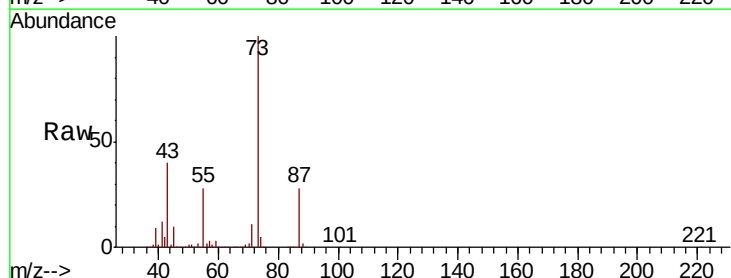
Tgt Ion: 88 Resp: 8709

Ion Ratio Lower Upper

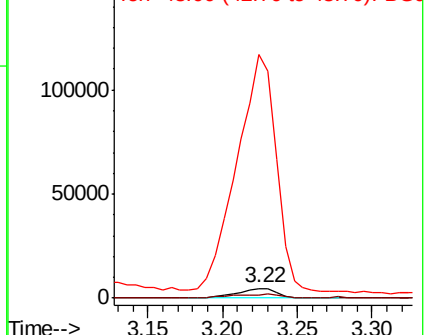
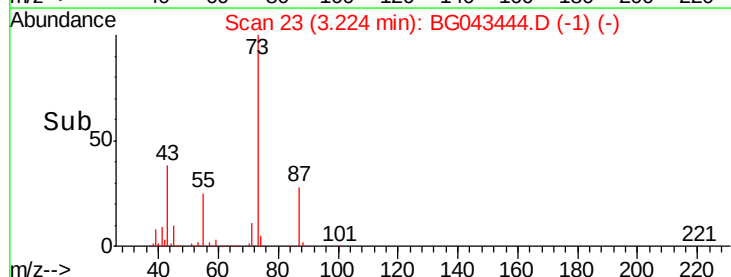
88 100

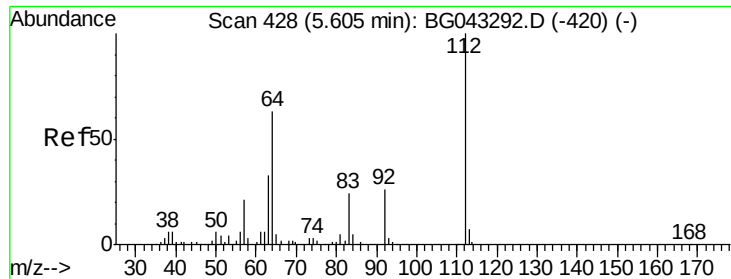
58 50.7 60.2 90.2#

43 2464.9 22.7 34.1#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 135.513 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043444.D

Acq: 31 Oct 2019 21:38

Instrument :

BNA_G

ClientSampled :

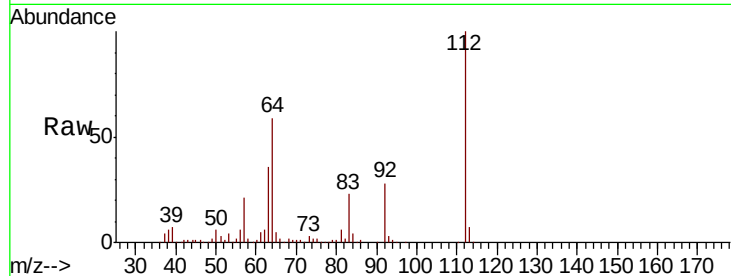
Tot Ion:112 Resp: 356612

Ion Ratio Lower Upper

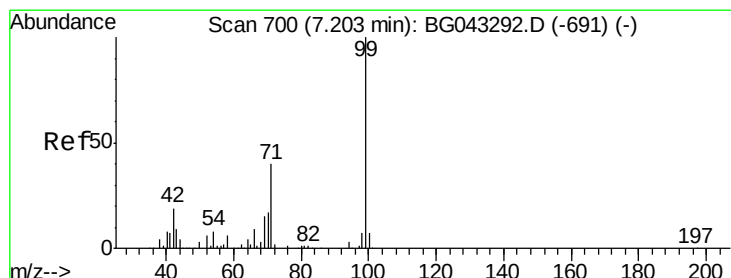
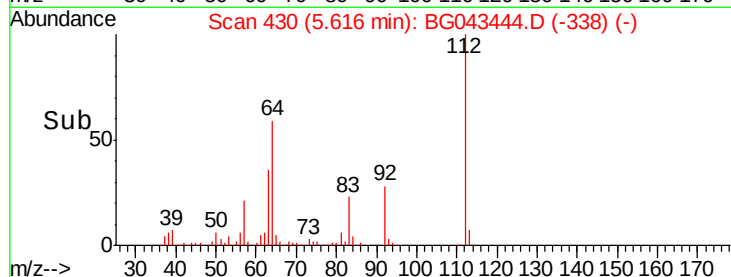
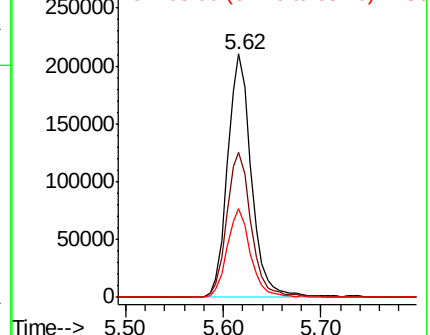
112 100

64 59.3 50.2 75.2

63 36.4 26.7 40.1



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



#7

Phenol-d6

Concen: 127.095 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043444.D

Acq: 31 Oct 2019 21:38

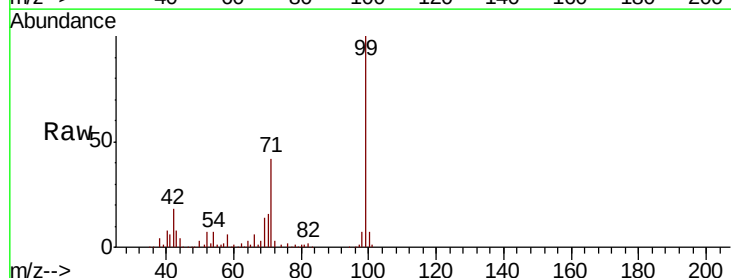
Tgt Ion: 99 Resp: 481208

Ion Ratio Lower Upper

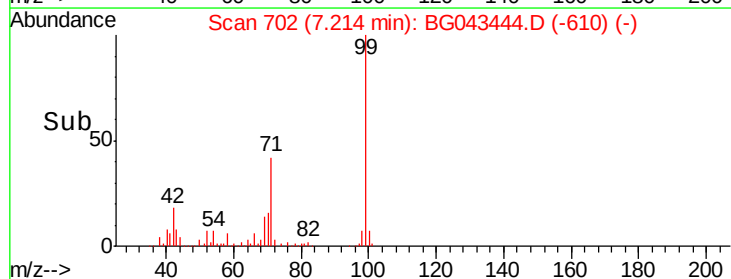
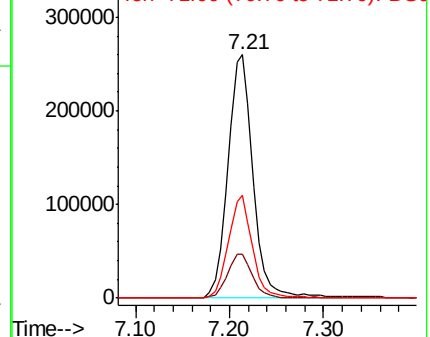
99 100

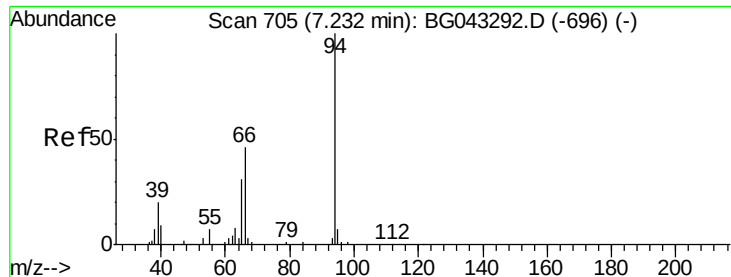
42 18.1 14.9 22.3

71 42.3 32.2 48.2



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

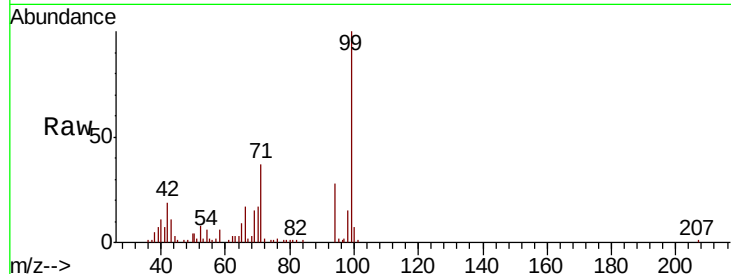




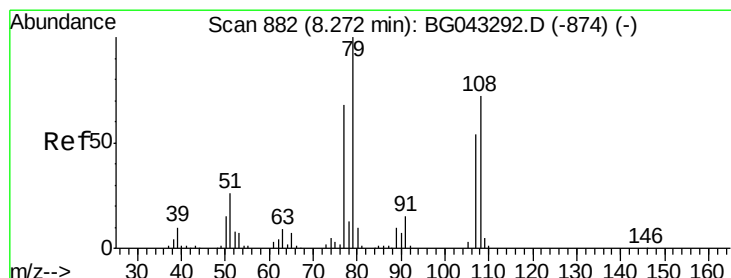
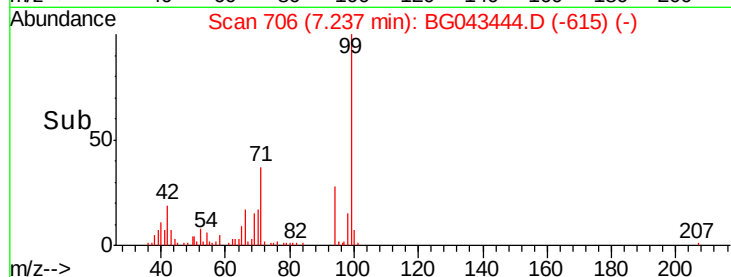
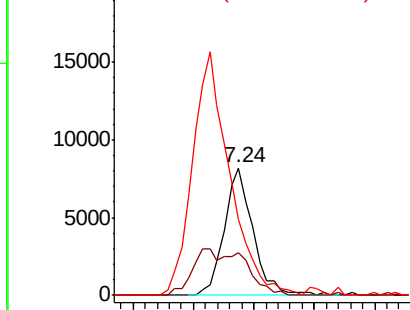
#10
Phenol
Concen: 3.911 ng
RT: 7.24 min Scan# 706
Delta R.T. 0.00 min
Lab File: BG043444.D
Acq: 31 Oct 2019 21:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 94 Resp: 13532
Ion Ratio Lower Upper
94 100
65 33.3 11.1 51.1
66 59.4 27.8 67.8

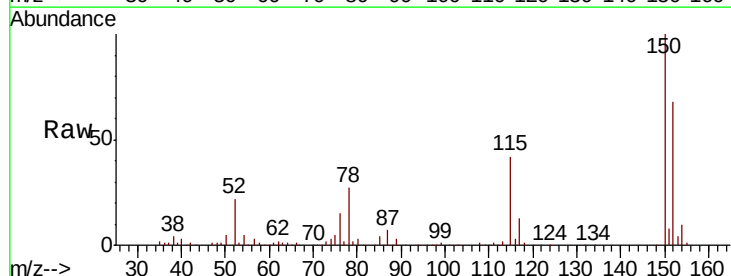


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

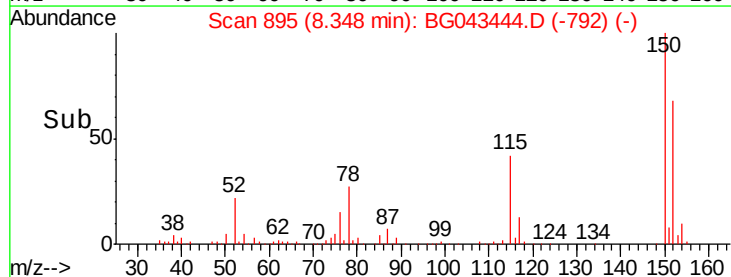
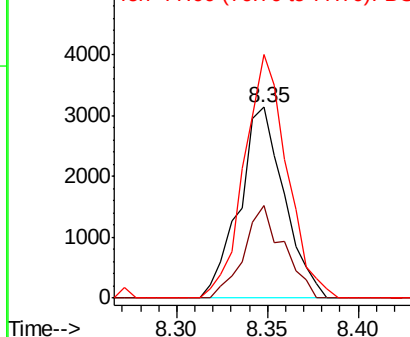


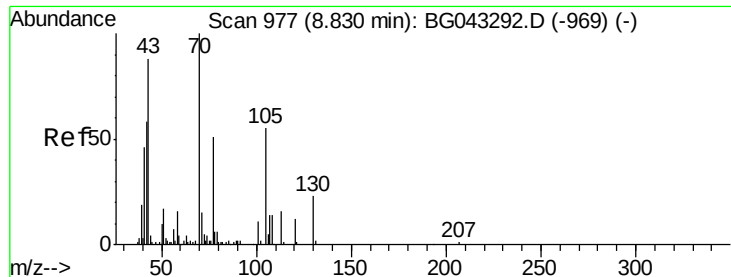
#15
Benzyl Alcohol
Concen: 2.026 ng
RT: 8.35 min Scan# 895
Delta R.T. 0.08 min
Lab File: BG043444.D
Acq: 31 Oct 2019 21:38

Tgt Ion: 79 Resp: 5387
Ion Ratio Lower Upper
79 100
108 48.4 57.3 85.9#
77 127.7 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: 17.185 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043444.D

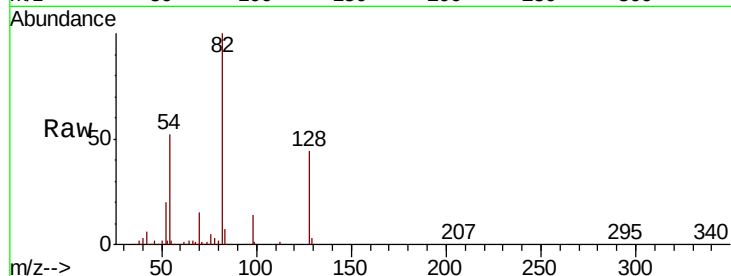
Acq: 31 Oct 2019 21:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	70	Resp:	42045
Ion	Ratio	Lower	Upper
70	100		
42	44.1	46.2	69.2#
101	0.0	8.6	13.0#
130	2.4	18.6	27.8#

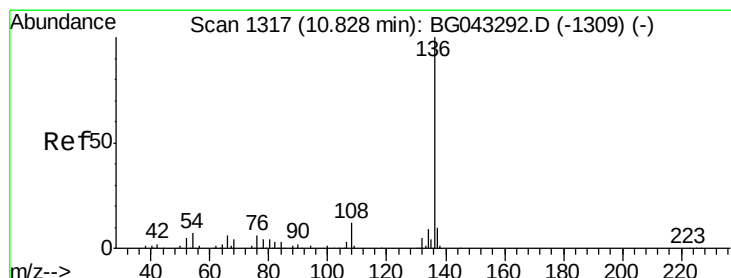
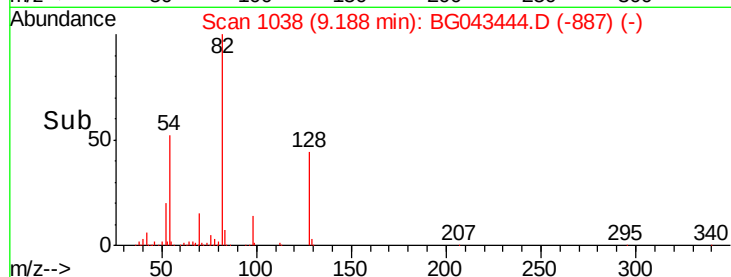
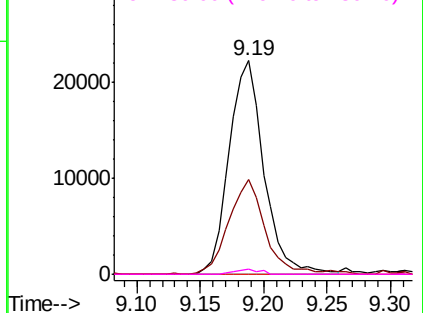


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

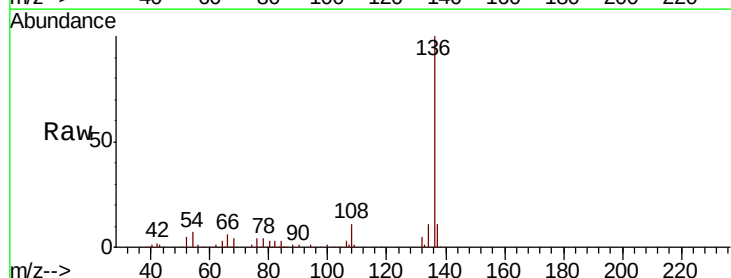
RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043444.D

Acq: 31 Oct 2019 21:38

Tgt Ion:	136	Resp:	165478
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.2
54	7.5	5.4	8.2
68	4.5	3.3	4.9

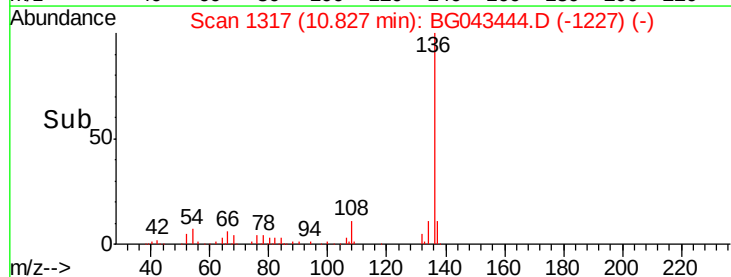
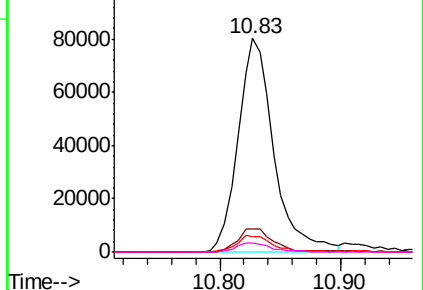


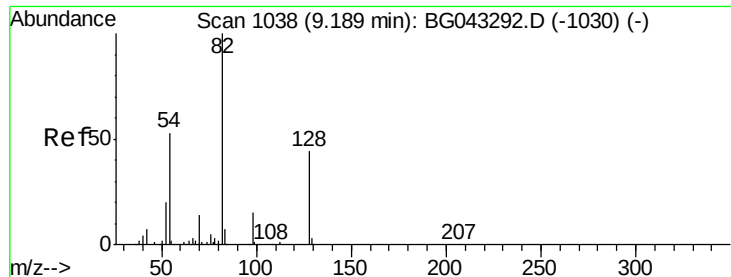
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

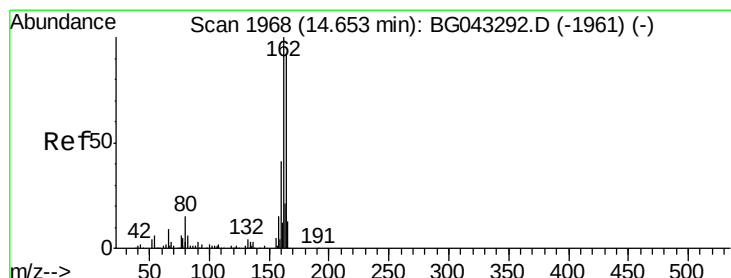
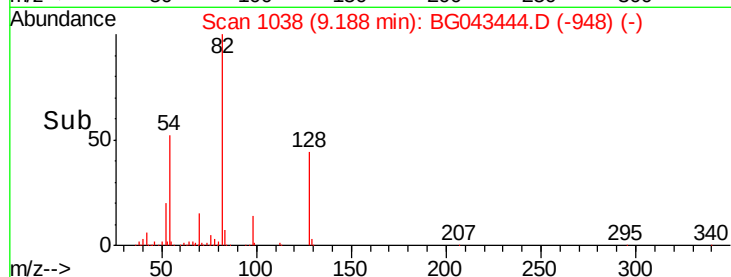
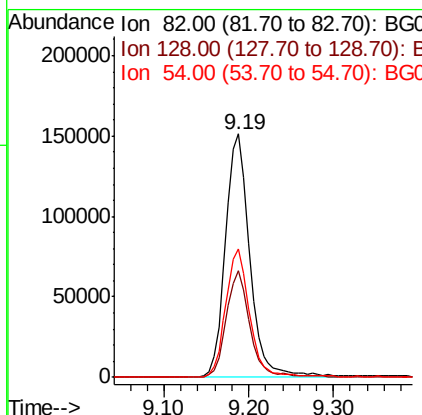
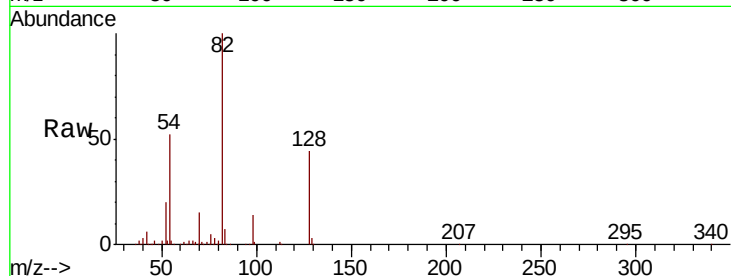




#23
 Nitrobenzene-d5
 Concen: 94.270 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG043444.D
 Acq: 31 Oct 2019 21:38

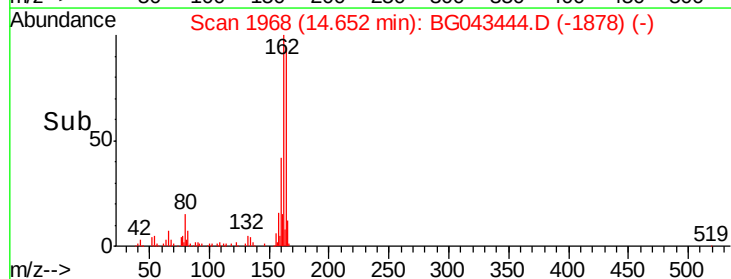
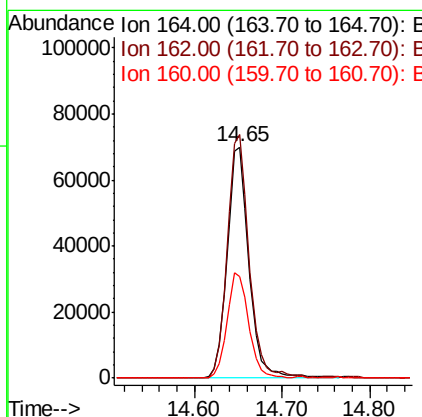
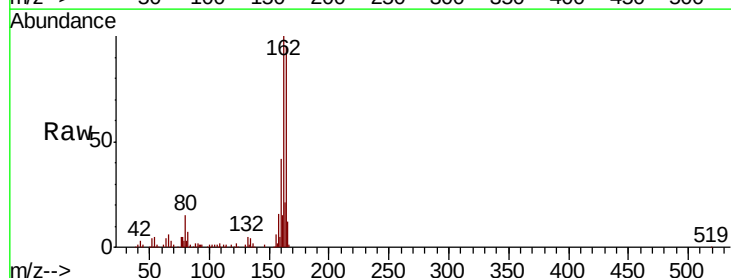
Instrument :
 BNA_G
 ClientSampleId :

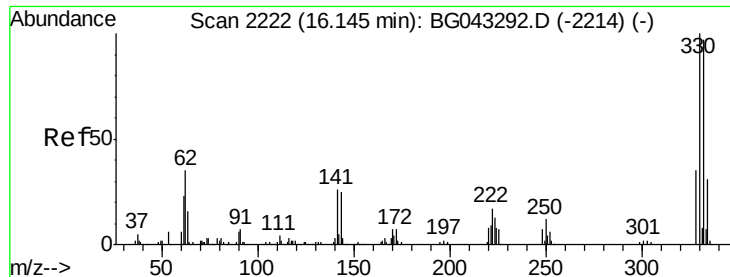
Tot Ion	82	Resp	302584
Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.3	52.9
54	52.5	42.3	63.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG043444.D
 Acq: 31 Oct 2019 21:38

Tgt Ion	164	Resp	119562
Ion	Ratio	Lower	Upper
164	100		
162	105.4	87.0	130.4
160	43.9	35.5	53.3

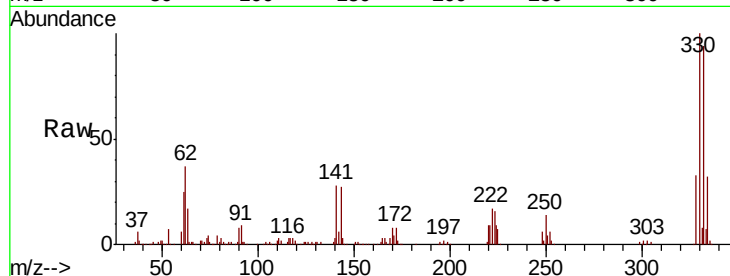




#42
 2,4,6-Tribromophenol
 Concen: 127.257 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043444.D
 Acq: 31 Oct 2019 21:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.4	114.6
141	29.0	21.4	32.0

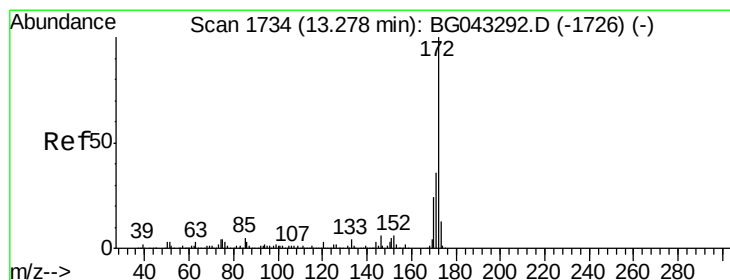
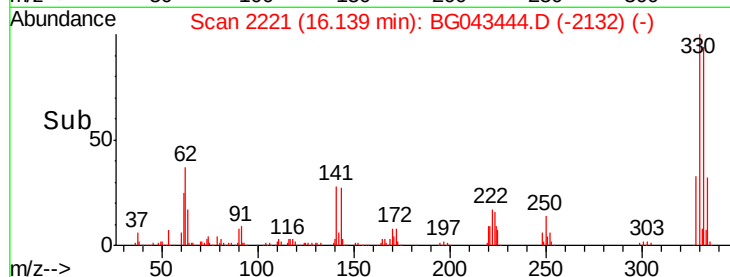
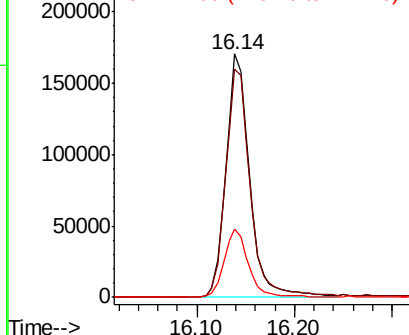


Abundance

Ion 329.80 (329.50 to 330.50): E

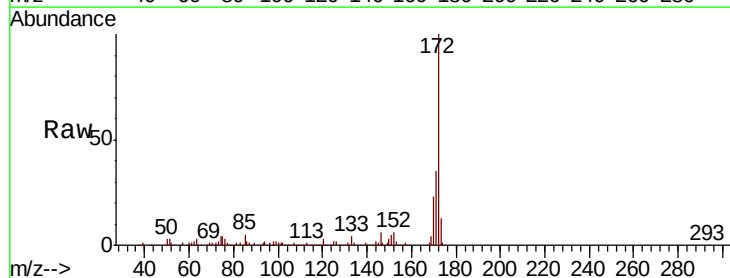
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.977 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043444.D
 Acq: 31 Oct 2019 21:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.5	42.7
170	23.2	18.8	28.2

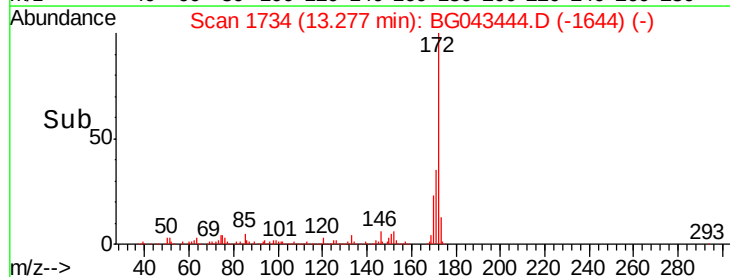
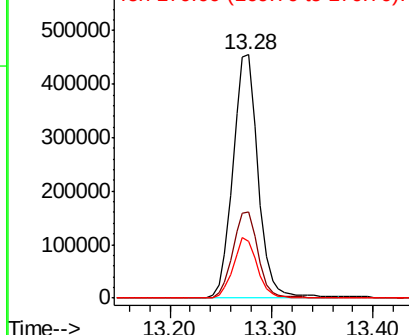


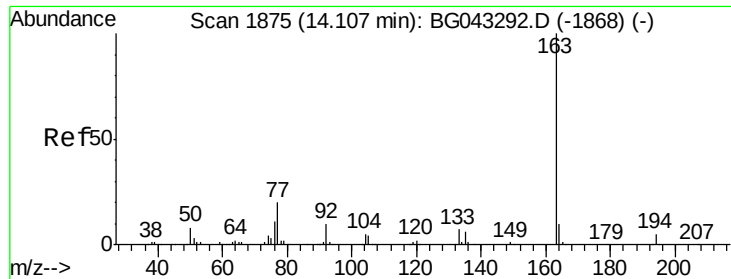
Abundance

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

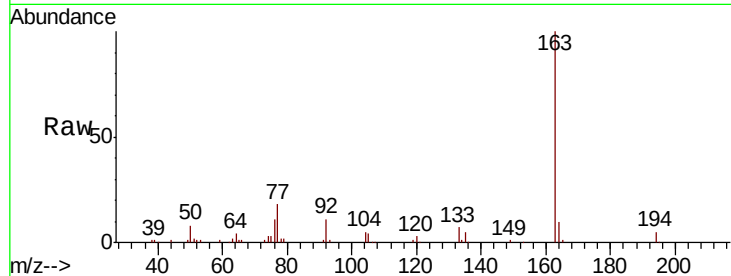




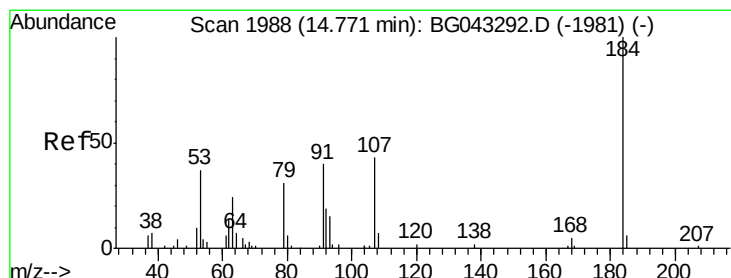
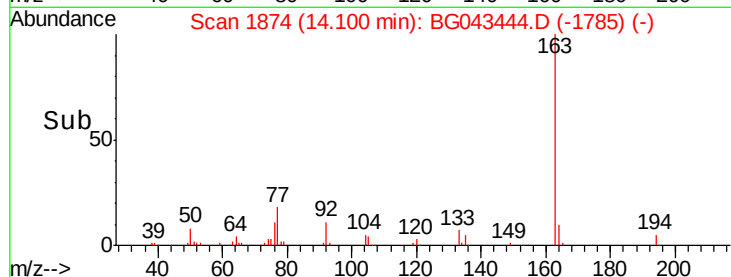
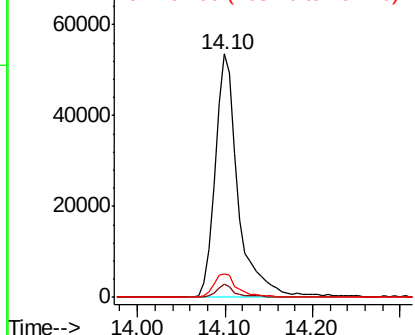
#50
Dimethylphthalate
Concen: 10.565 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043444.D
Acq: 31 Oct 2019 21:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 97846
Ion Ratio Lower Upper
163 100
194 5.5 3.7 5.5
164 9.7 8.1 12.1

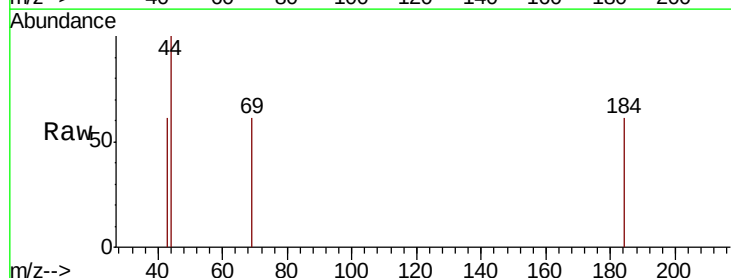


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

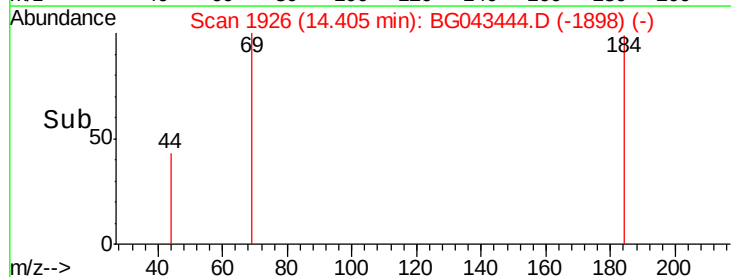
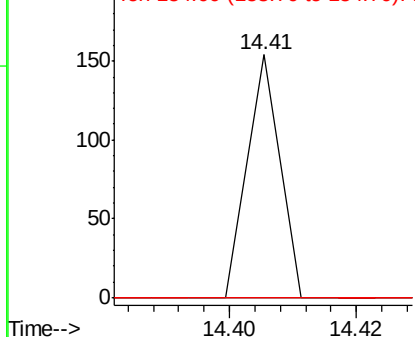


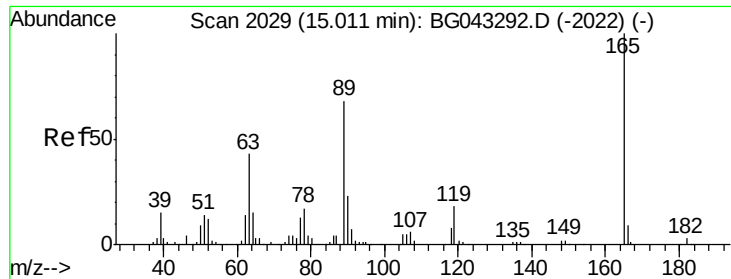
#54
2,4-Dinitrophenol
Concen: 7.322 ng
RT: 14.41 min Scan# 1926
Delta R.T. -0.36 min
Lab File: BG043444.D
Acq: 31 Oct 2019 21:38

Tgt Ion:184 Resp: 54
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
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

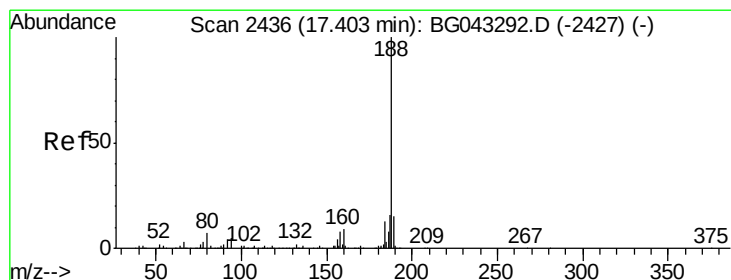
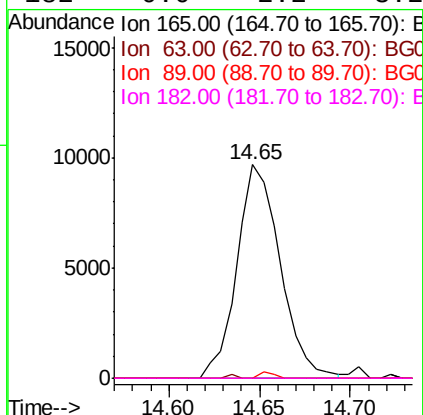
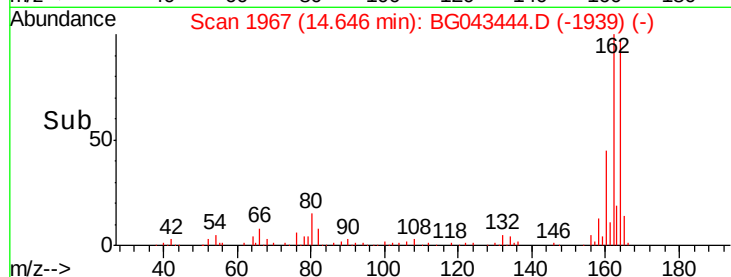
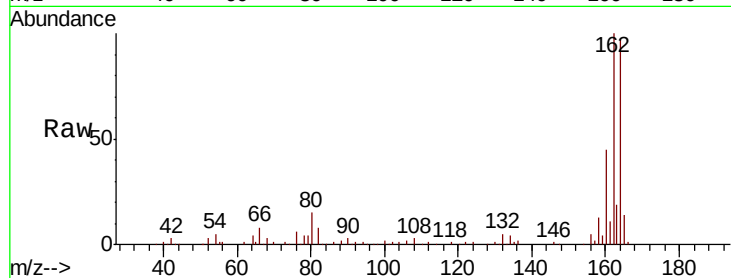




#57
 2,4-Dinitrotoluene
 Concen: 5.592 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.37 min
 Lab File: BG043444.D
 Acq: 31 Oct 2019 21:38

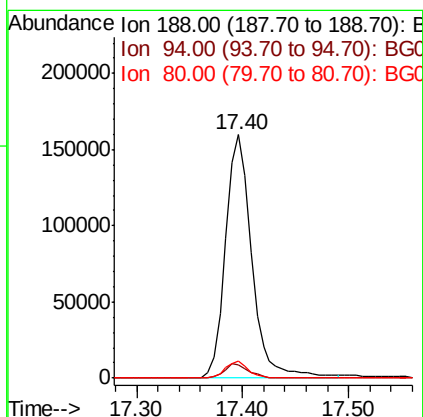
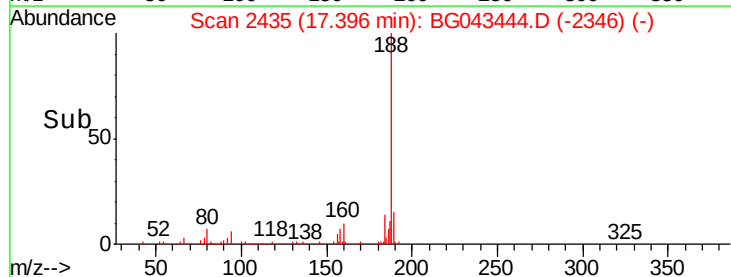
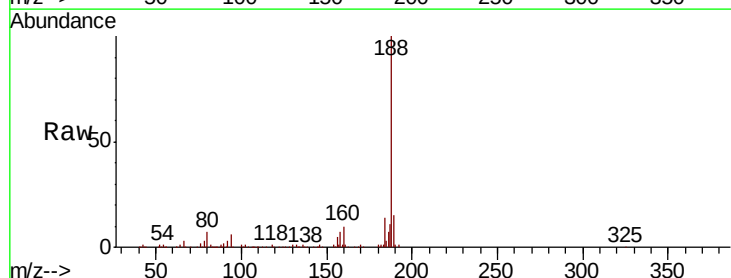
Instrument :
 BNA_G
 ClientSampleId :

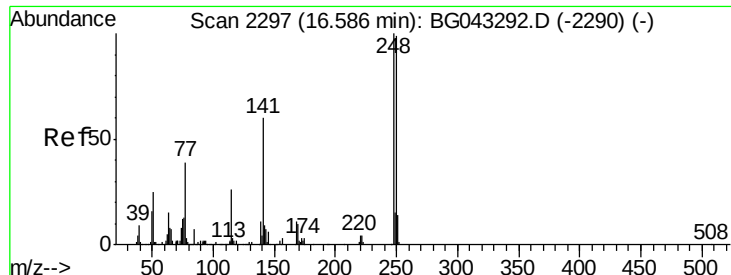
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	0.0	54.1	81.1#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043444.D
 Acq: 31 Oct 2019 21:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.2	6.2
80	6.9	5.2	7.8

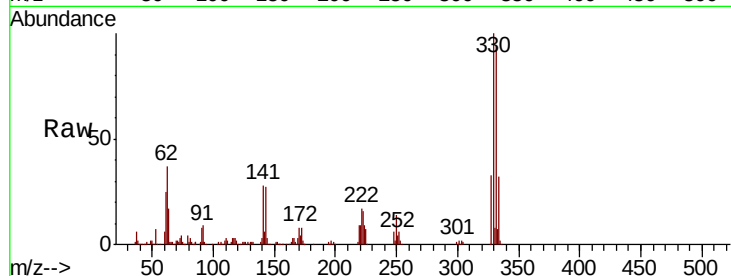




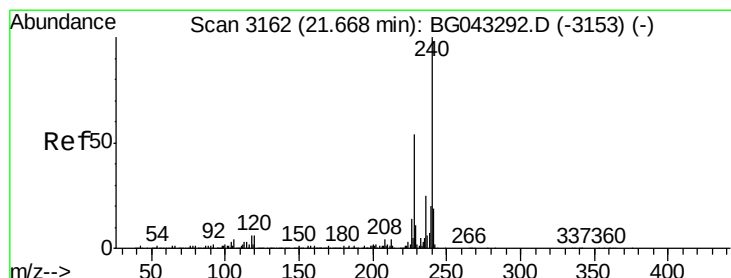
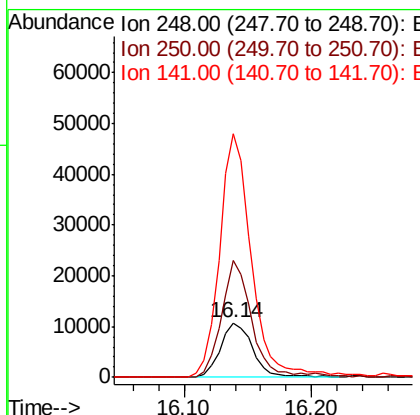
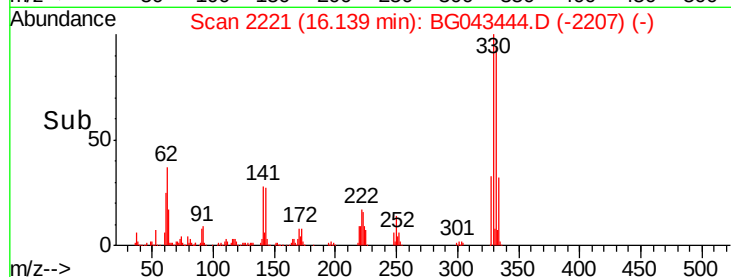
#67
 4-Bromophenyl-phenylether
 Concen: 5.093 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG043444.D
 Acq: 31 Oct 2019 21:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 18887
 Ion Ratio Lower Upper
 248 100
 250 214.5 79.3 118.9#
 141 446.6 47.9 71.9#

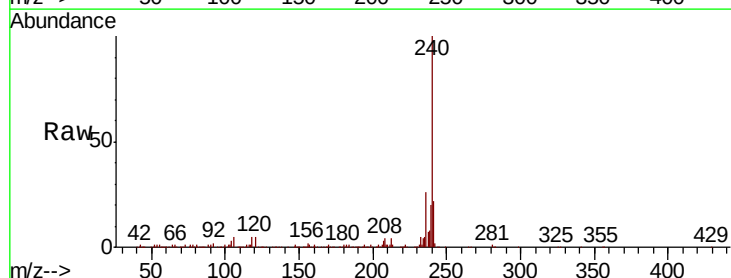


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

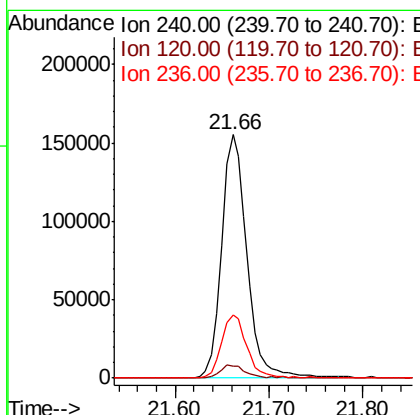
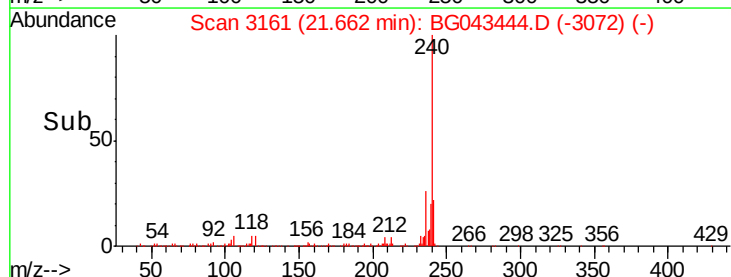


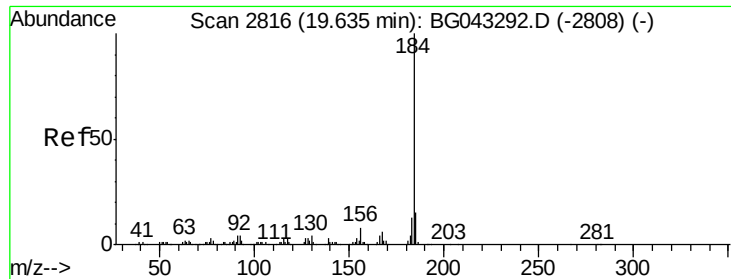
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG043444.D
 Acq: 31 Oct 2019 21:38

Tgt Ion:240 Resp: 290436
 Ion Ratio Lower Upper
 240 100
 120 4.9 4.6 7.0
 236 25.7 20.2 30.4



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: 3.567 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043444.D

Acq: 31 Oct 2019 21:38

Instrument :

BNA_G

ClientSampleId :

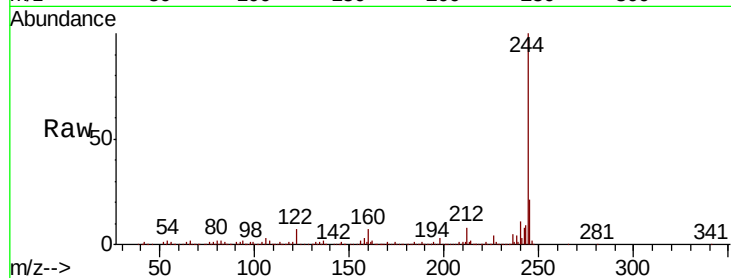
Tot Ion:184 Resp: 20849

Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.6

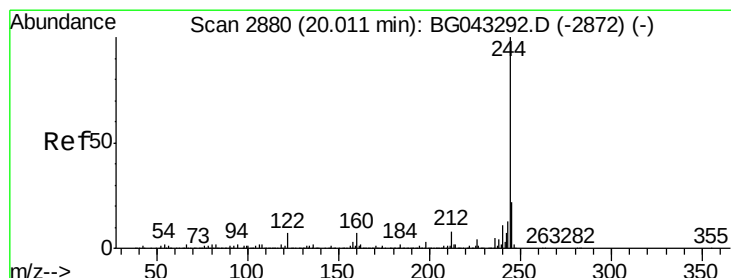
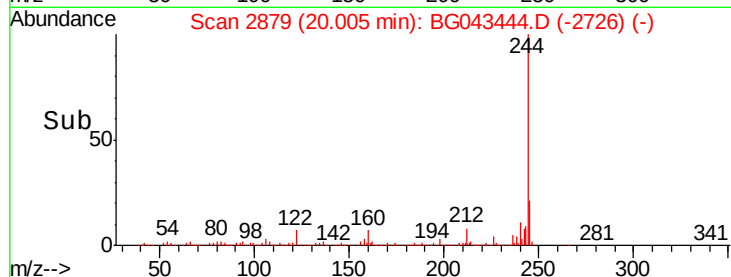
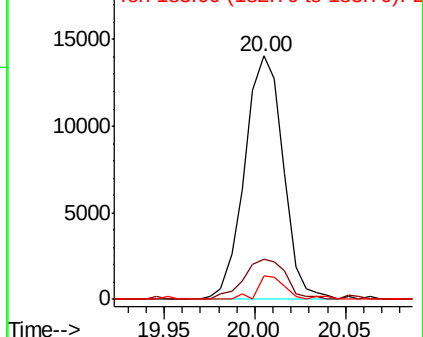
183 9.8 10.6 16.0#



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



#79

Terphenyl-d14

Concen: 94.614 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043444.D

Acq: 31 Oct 2019 21:38

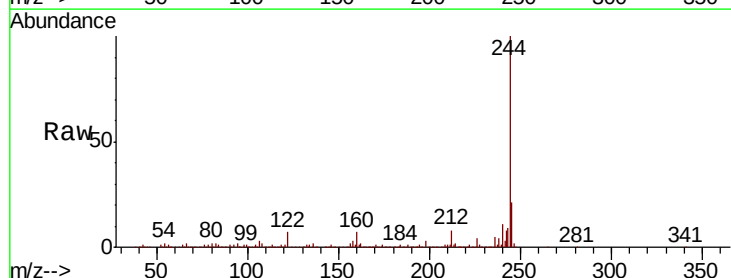
Tgt Ion:244 Resp: 1464737

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

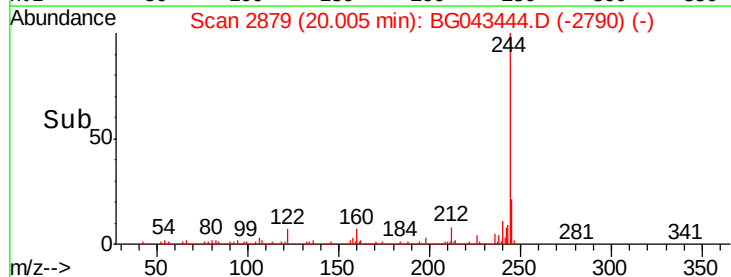
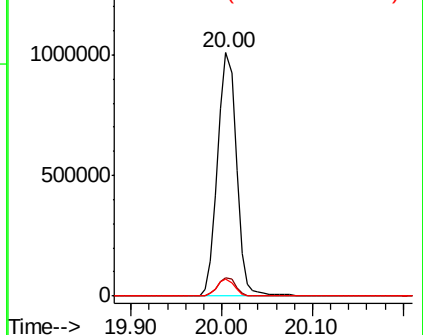
122 7.3 5.3 7.9

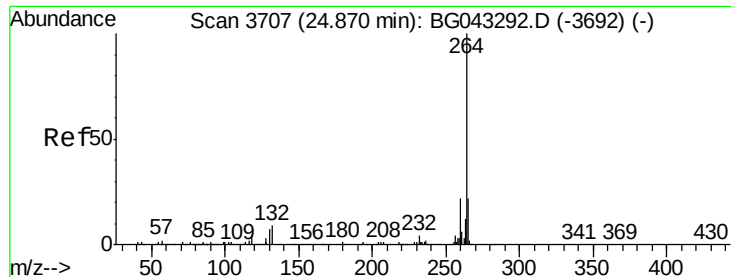


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG043444.D
Acq: 31 Oct 2019 21:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.9	26.9
265	21.4	17.4	26.2

