

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042896.D
 Acq On : 18 Sep 2019 16:17
 Operator : HP/JU
 Sample : K4878-18
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:13:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	56090	20.00	ng	-0.03
21) Naphthalene-d8	10.90	136	225235	20.00	ng	-0.03
39) Acenaphthene-d10	14.72	164	163304	20.00	ng	-0.03
64) Phenanthrene-d10	17.46	188	384995	20.00	ng	-0.03
76) Chrysene-d12	21.73	240	371947	20.00	ng	-0.03
87) Perylene-d12	24.99	264	388398	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	412848	127.97	ng	0.00
7) Phenol-d6	7.28	99	590064	127.42	ng	0.01
23) Nitrobenzene-d5	9.26	82	475169	109.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.20	330	260937	120.10	ng	-0.02
45) 2-Fluorobiphenyl	13.35	172	1124607	109.01	ng	-0.03
79) Terphenyl-d14	20.07	244	1899122	113.16	ng	-0.03

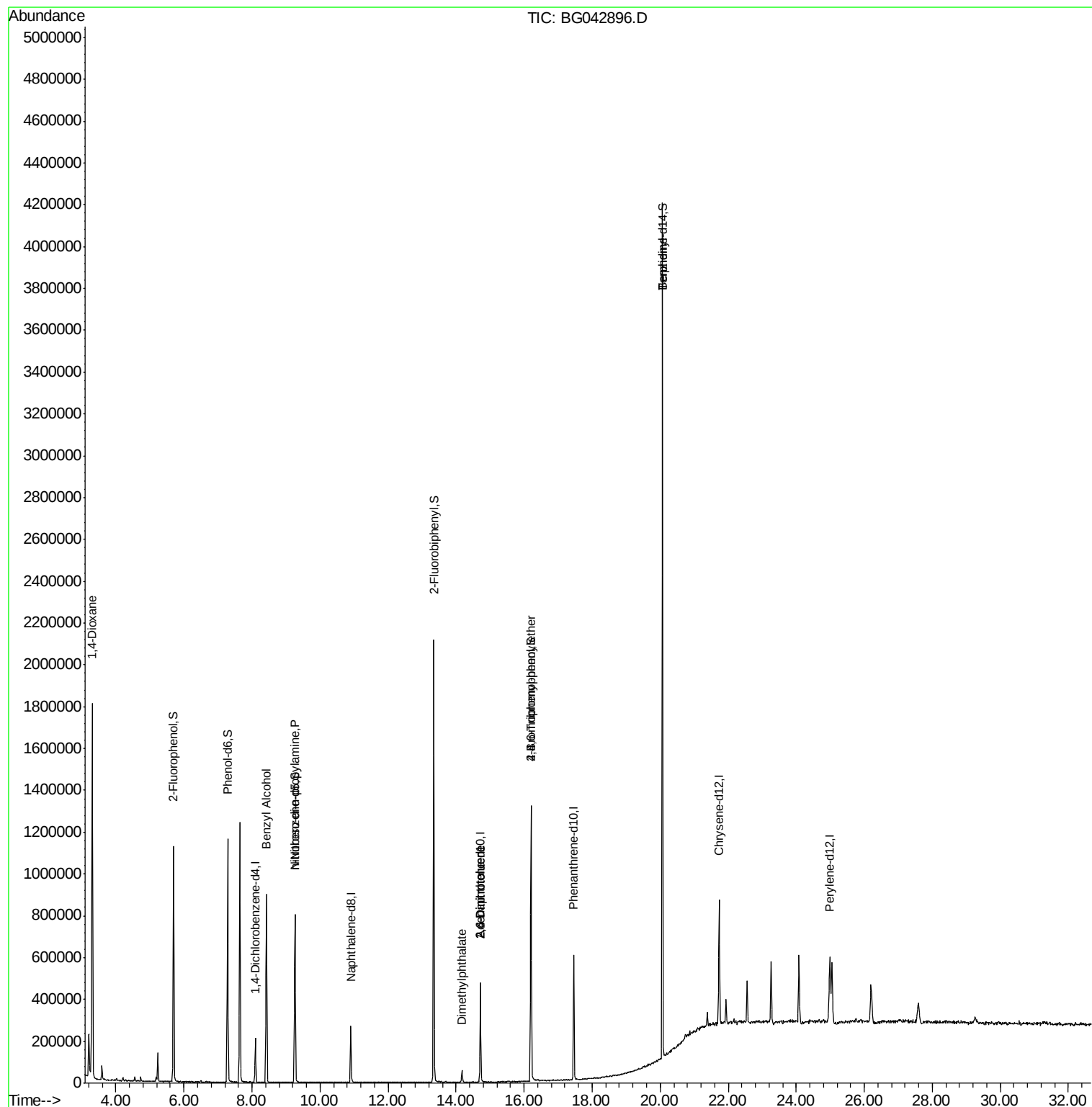
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	14401	9.781	ng	# 1
15) Benzyl Alcohol	8.42	79	7996	2.012	ng	# 49
19) n-Nitroso-di-n-propylamine	9.26	70	67288	19.720	ng	# 73
50) Dimethylphthalate	14.17	163	39102	3.196	ng	# 96
51) 2,6-Dinitrotoluene	14.72	165	22442	8.940	ng	# 21
57) 2,4-Dinitrotoluene	14.72	165	22442	6.707	ng	# 25
67) 4-Bromophenyl-phenylether	16.20	248	18150	3.895	ng	# 1
77) Benzidine	20.07	184	36399	3.503	ng	# 90

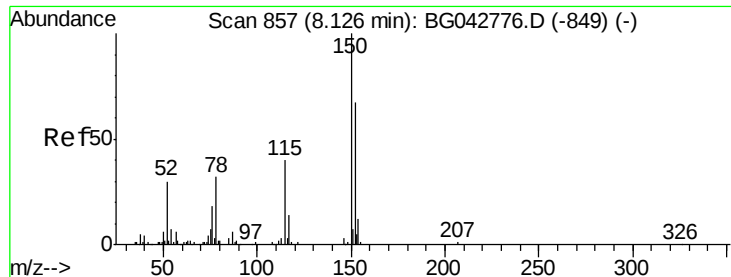
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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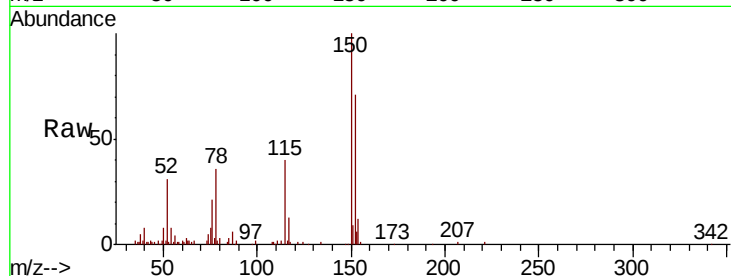


#1

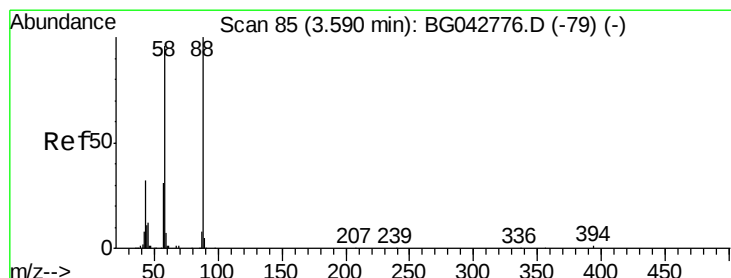
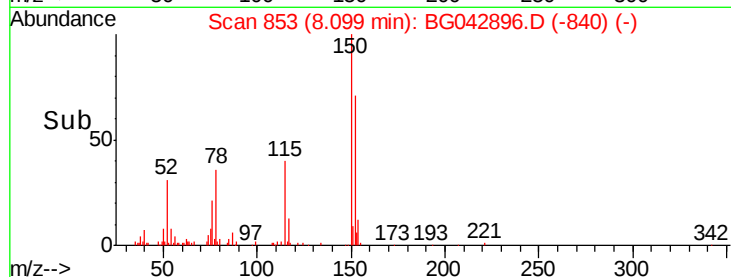
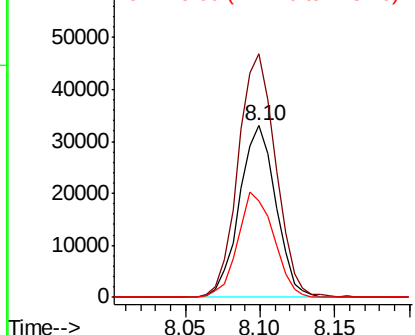
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.03 min
Lab File: BG042896.D
Acq: 18 Sep 2019 16:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56090
Ion Ratio Lower Upper
152 100
150 141.8 118.9 178.3
115 56.3 47.4 71.2



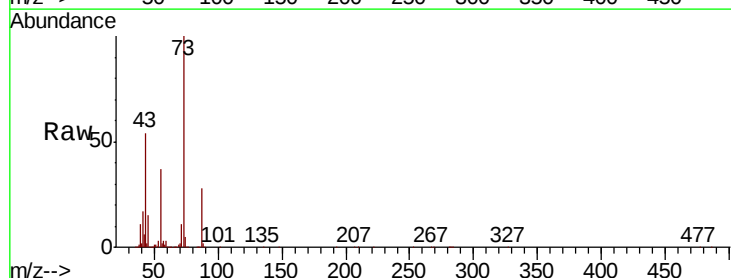
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



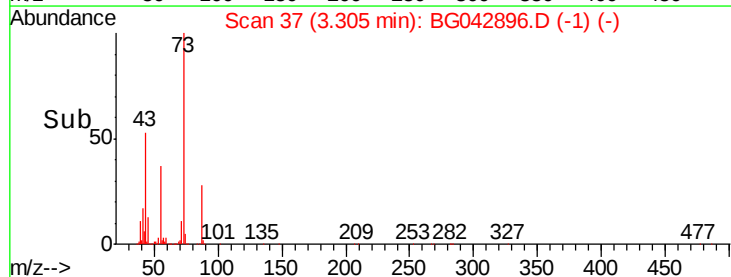
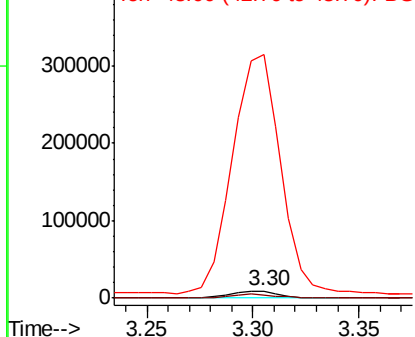
#2

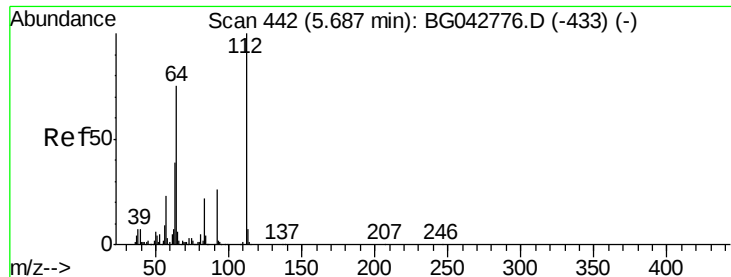
1,4-Dioxane
Concen: 9.781 ng
RT: 3.30 min Scan# 37
Delta R.T. -0.28 min
Lab File: BG042896.D
Acq: 18 Sep 2019 16:17

Tgt Ion: 88 Resp: 14401
Ion Ratio Lower Upper
88 100
58 50.1 79.1 118.7#
43 3446.3 30.4 45.6#



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: 127.965 ng

RT: 5.69 min Scan# 443

Delta R.T. 0.00 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

Instrument :

BNA_G

ClientSampleId :

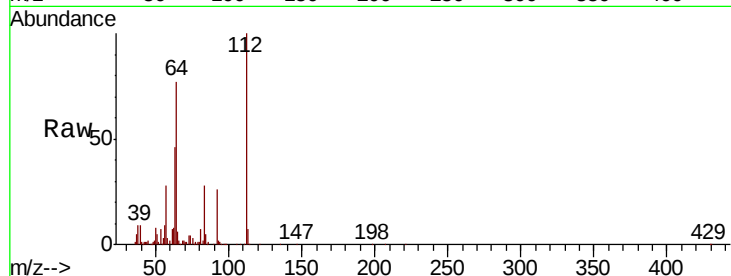
Tot Ion:112 Resp: 412848

Ion Ratio Lower Upper

112 100

64 77.2 60.2 90.2

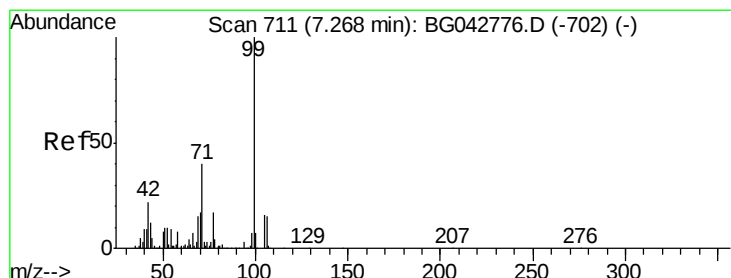
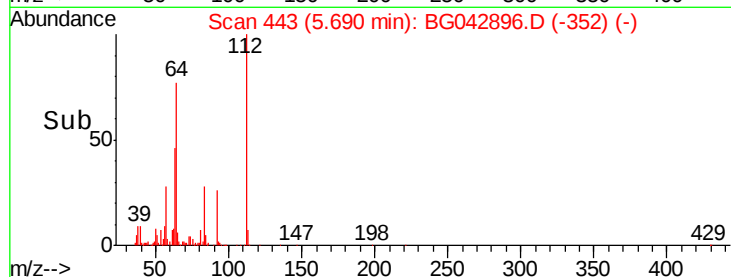
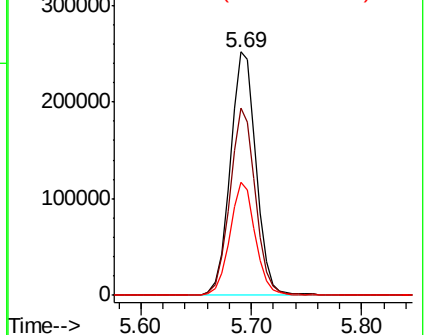
63 46.4 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 127.423 ng

RT: 7.28 min Scan# 714

Delta R.T. 0.01 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

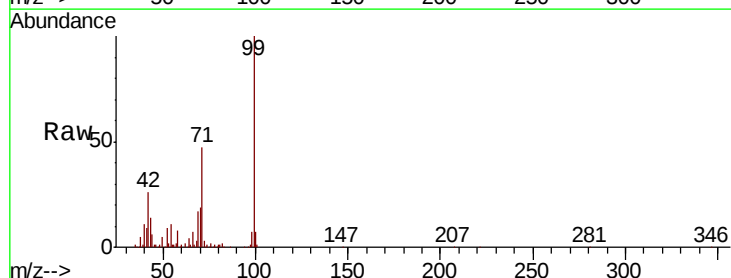
Tgt Ion: 99 Resp: 590064

Ion Ratio Lower Upper

99 100

42 26.3 17.5 26.3#

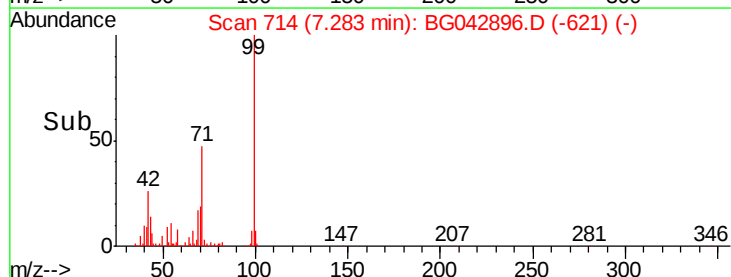
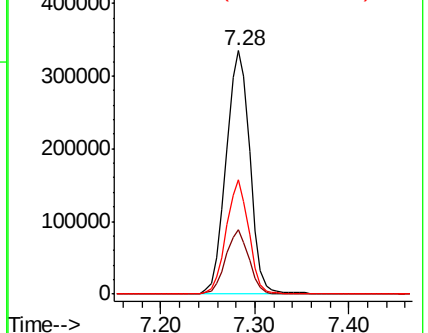
71 46.8 32.0 48.0

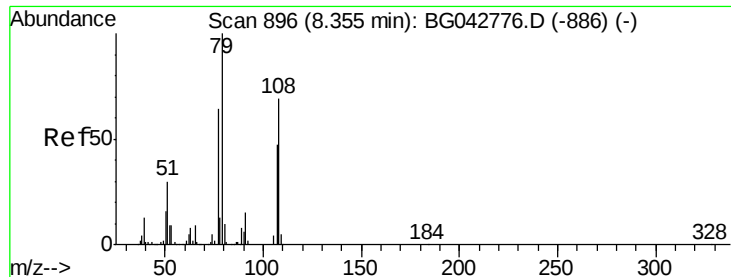


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.012 ng

RT: 8.42 min Scan# 908

Delta R.T. 0.07 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

Instrument :

BNA_G

ClientSampleId :

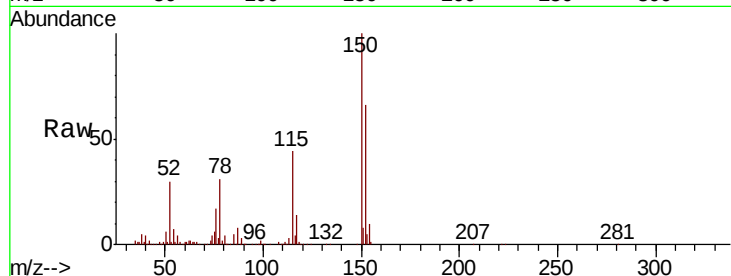
Tot Ion: 79 Resp: 7996

Ion Ratio Lower Upper

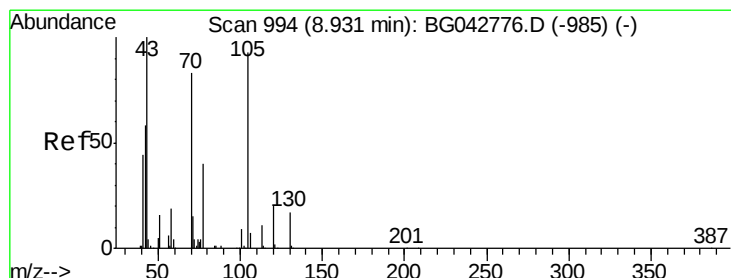
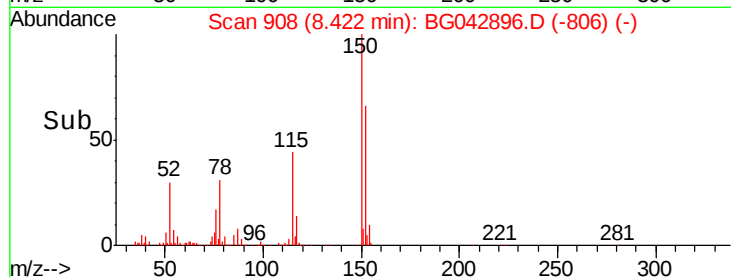
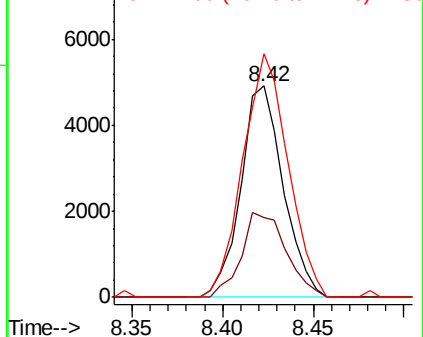
79 100

108 38.0 54.9 82.3#

77 115.4 51.0 76.6#



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: 19.720 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.33 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

Tgt Ion: 70 Resp: 67288

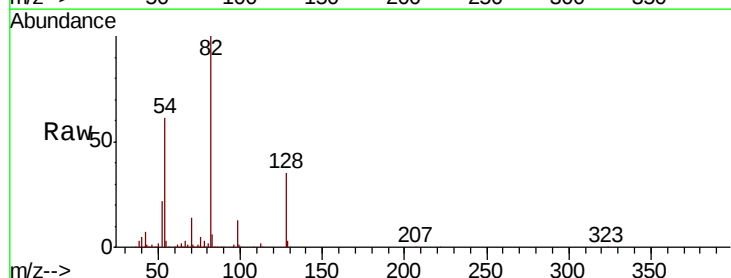
Ion Ratio Lower Upper

70 100

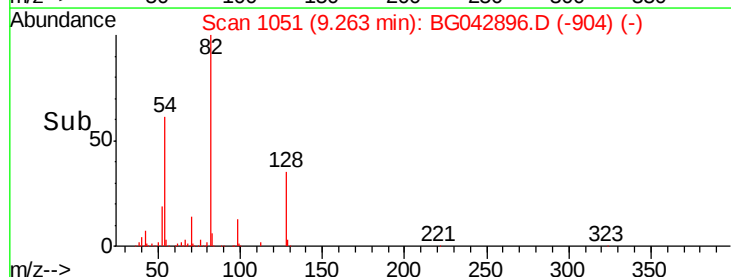
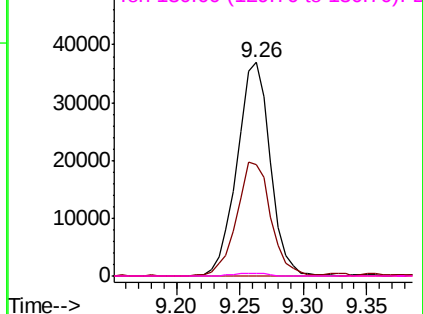
42 52.2 57.0 85.6#

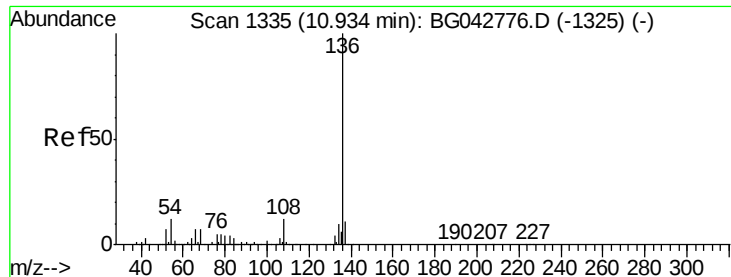
101 0.0 8.4 12.6#

130 1.0 16.1 24.1#



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: 10.90 min Scan# 1330

Delta R.T. -0.03 min

Lab File: BG042896.D

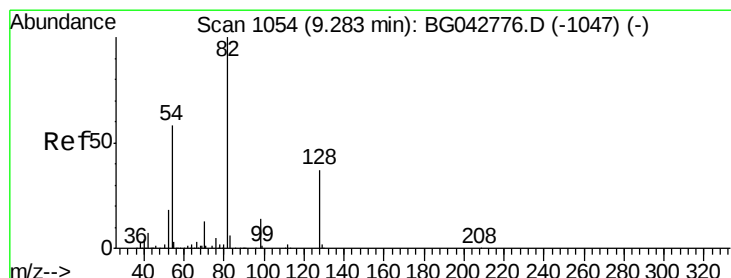
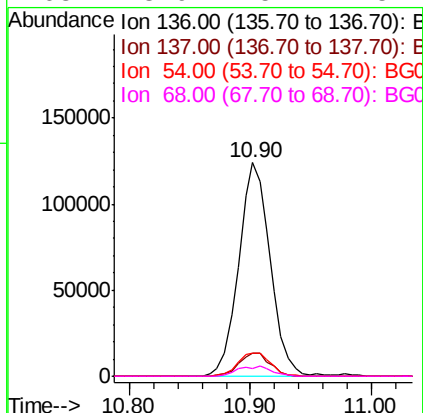
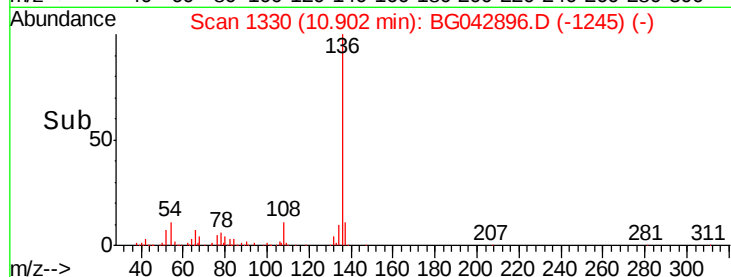
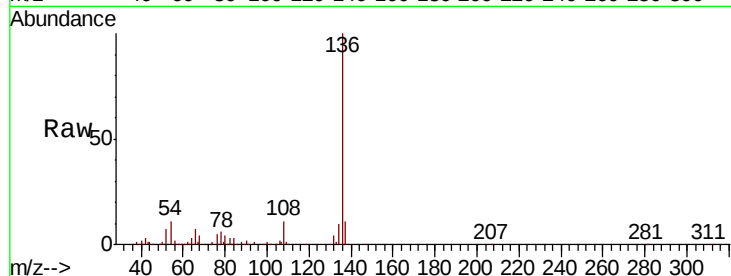
Acq: 18 Sep 2019 16:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	225235
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.0 13.6
54	11.0	9.4 14.0
68	3.9	5.4 8.2#



#23

Nitrobenzene-d5

Concen: 109.834 ng

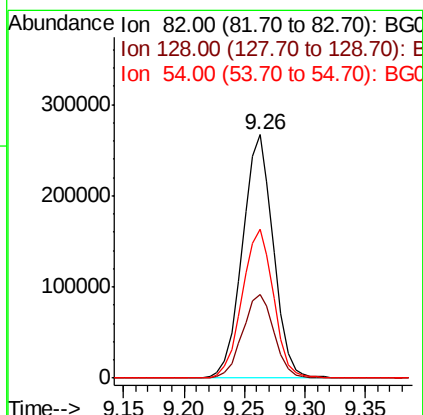
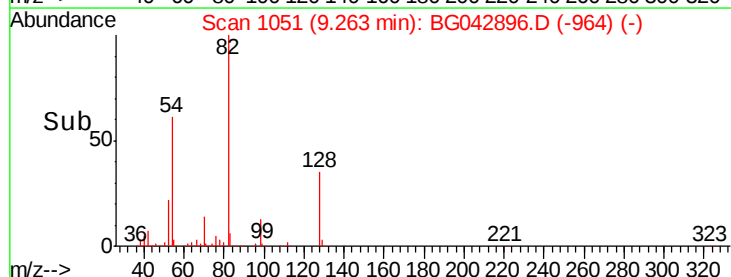
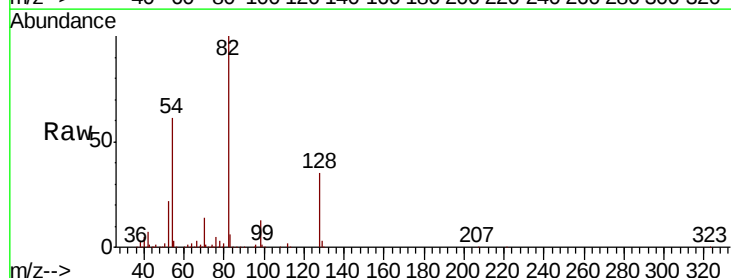
RT: 9.26 min Scan# 1051

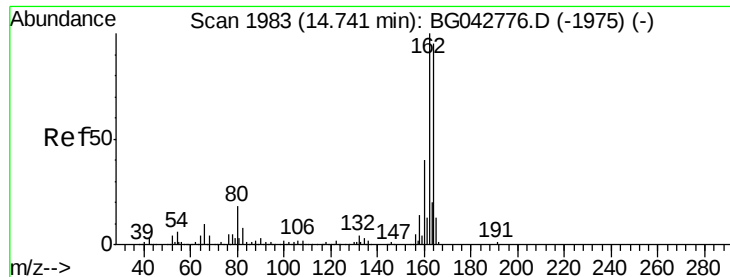
Delta R.T. -0.02 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

Tgt Ion: 82	Resp:	475169
Ion Ratio	Lower	Upper
82	100	
128	34.6	29.8 44.8
54	61.4	46.1 69.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.03 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

Instrument :

BNA_G

ClientSampled :

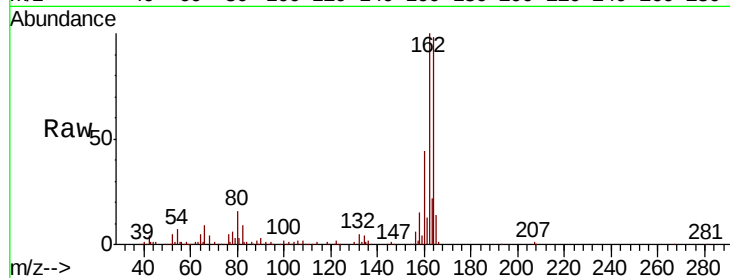
Tot Ion:164 Resp: 163304

Ion Ratio Lower Upper

164 100

162 102.3 84.6 126.8

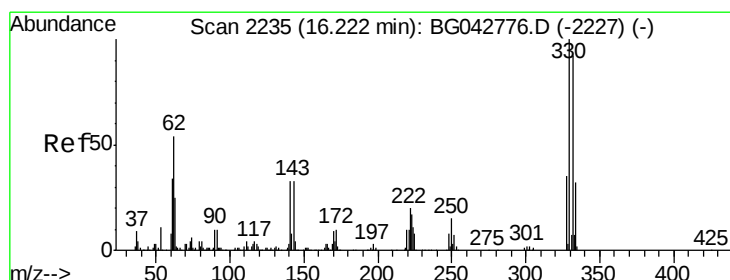
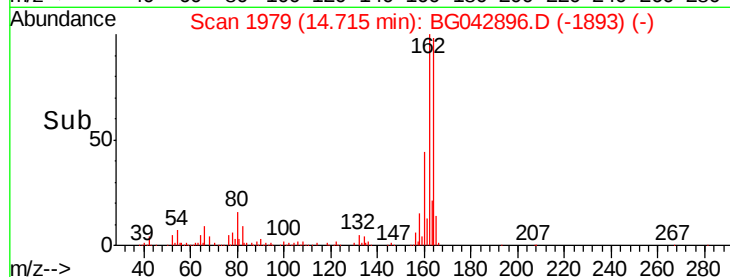
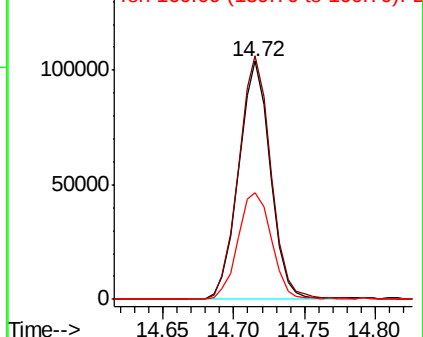
160 44.6 34.2 51.2



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: 120.102 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

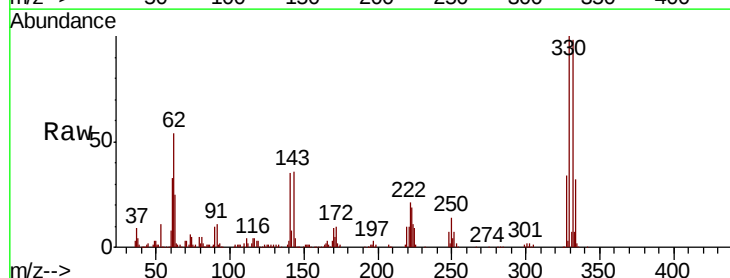
Tgt Ion:330 Resp: 260937

Ion Ratio Lower Upper

330 100

332 98.9 76.7 115.1

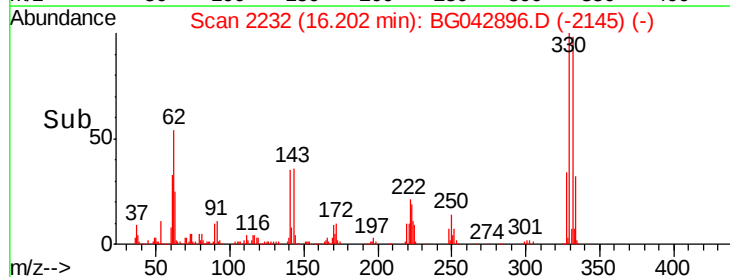
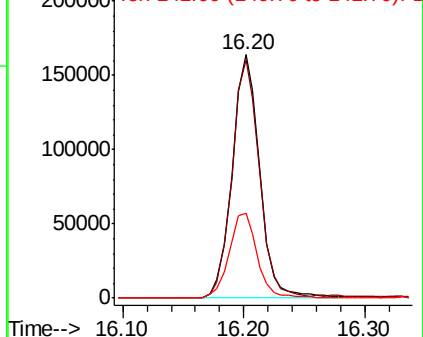
141 35.5 27.0 40.6

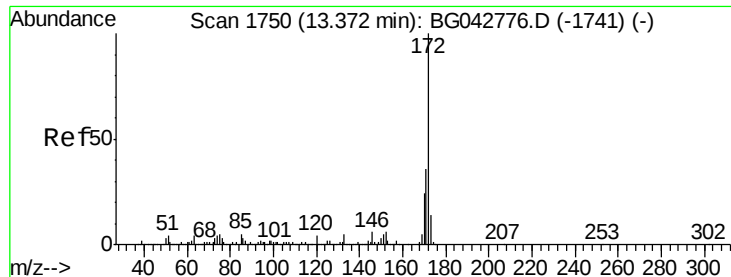


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



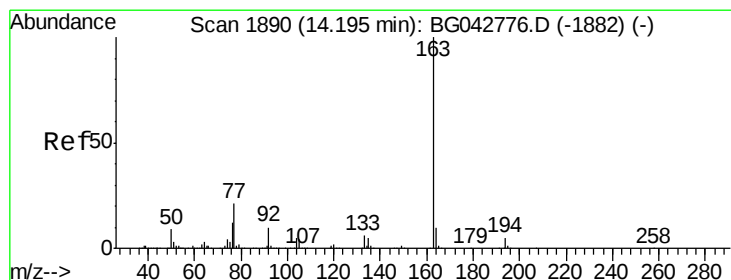
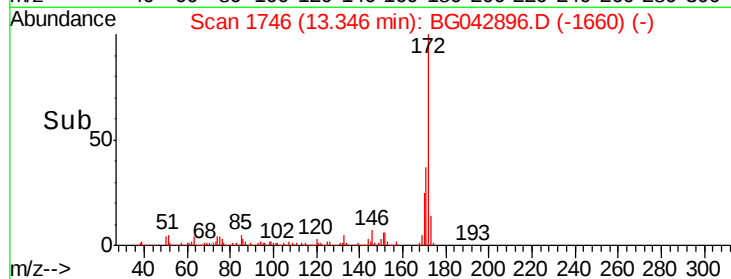
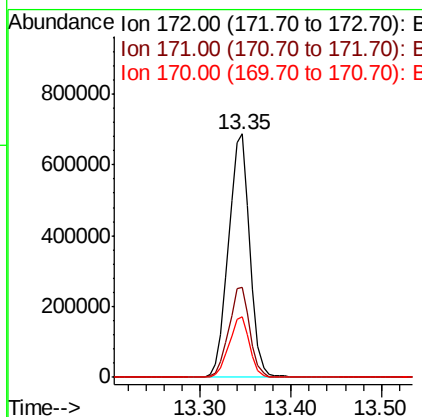
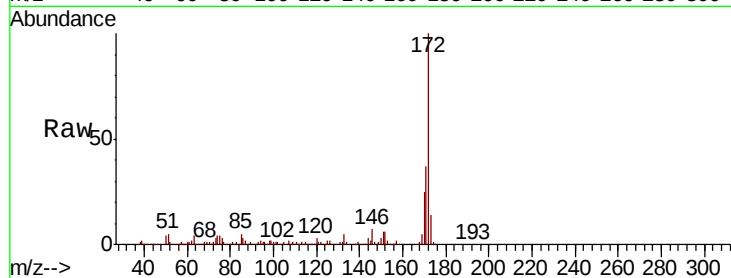


#45
 2-Fluorobiphenyl
 Concen: 109.010 ng
 RT: 13.35 min Scan# 1746
 Delta R.T. -0.03 min
 Lab File: BG042896.D
 Acq: 18 Sep 2019 16:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1124607

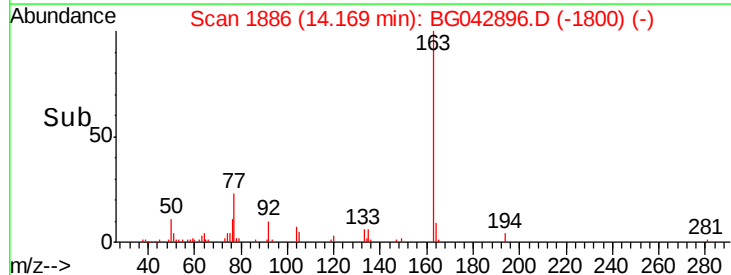
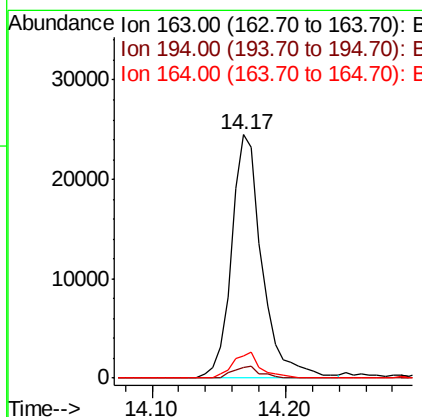
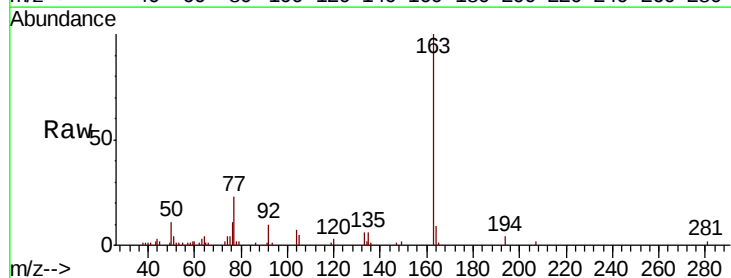
Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.9	43.3
170	24.9	19.1	28.7

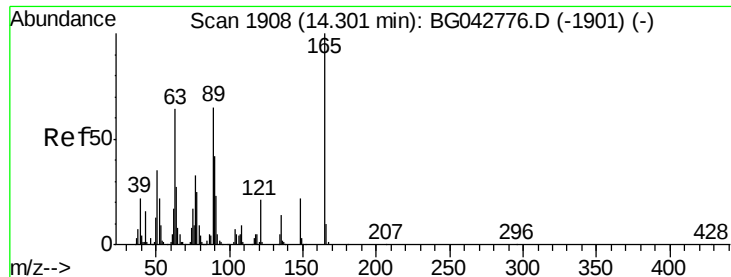


#50
 Dimethylphthalate
 Concen: 3.196 ng
 RT: 14.17 min Scan# 1886
 Delta R.T. -0.03 min
 Lab File: BG042896.D
 Acq: 18 Sep 2019 16:17

Tgt Ion:163 Resp: 39102

Ion	Ratio	Lower	Upper
163	100		
194	4.2	4.2	6.4#
164	9.1	8.4	12.6





#51

2,6-Dinitrotoluene

Concen: 8.940 ng

RT: 14.72 min Scan# 1979

Delta R.T. 0.41 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

Instrument :

BNA_G

ClientSampleId :

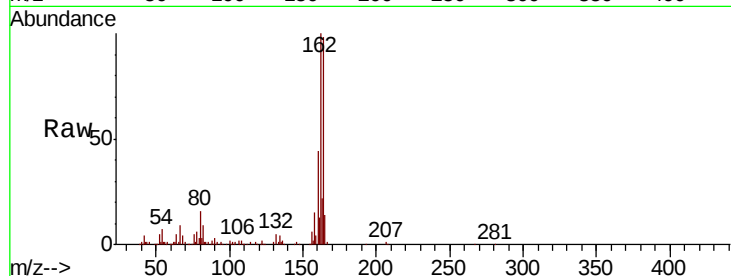
Tot Ion:165 Resp: 22442

Ion Ratio Lower Upper

165 100

63 3.7 52.1 78.1#

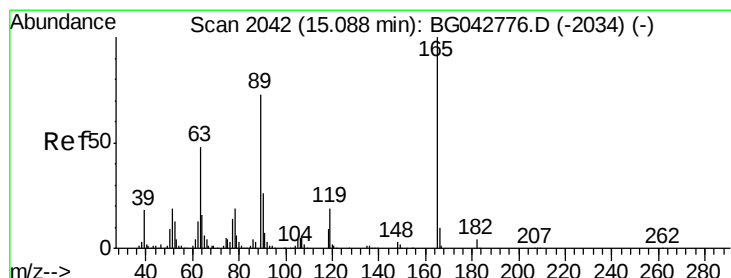
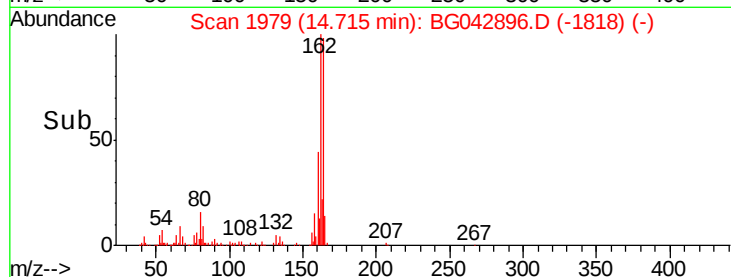
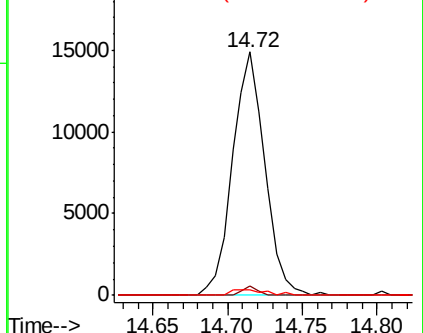
89 2.2 51.7 77.5#



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



#57

2,4-Dinitrotoluene

Concen: 6.707 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.37 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

Tgt Ion:165 Resp: 22442

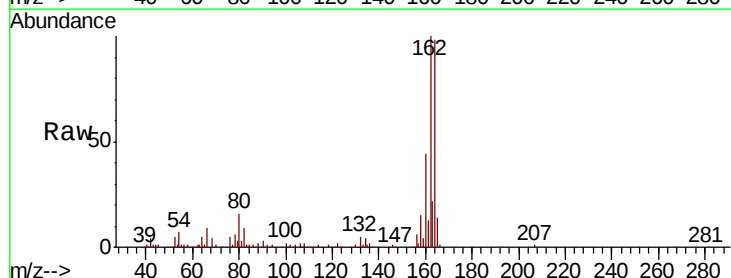
Ion Ratio Lower Upper

165 100

63 3.7 38.3 57.5#

89 2.2 58.4 87.6#

182 0.0 2.9 4.3#

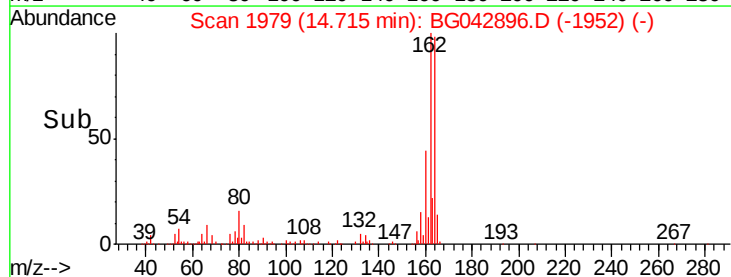
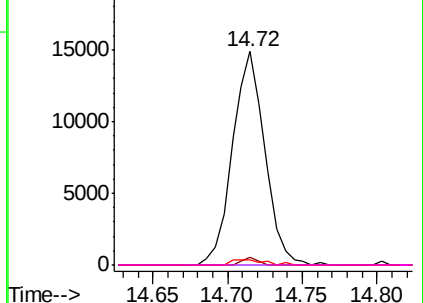


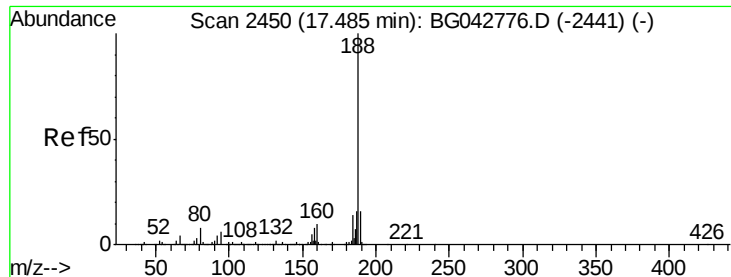
Abundance Ion 165.00 (164.70 to 165.70): E

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

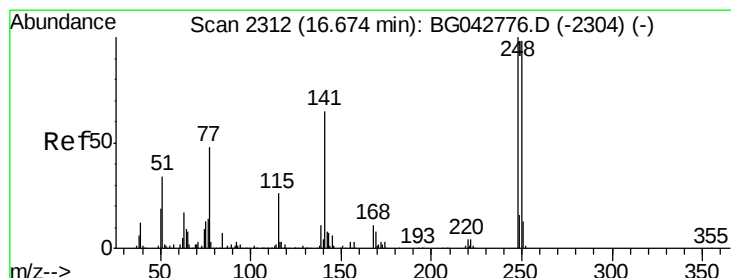
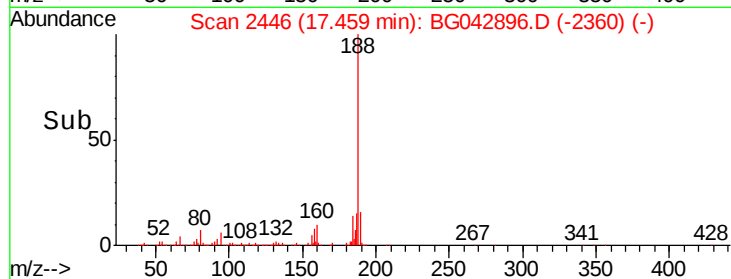
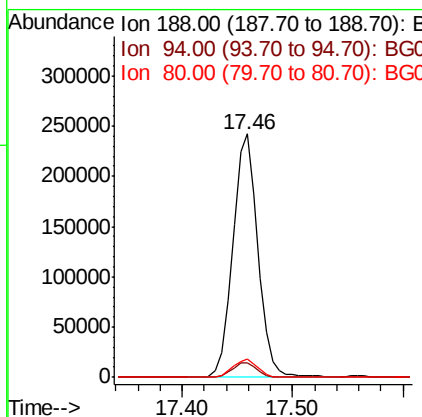
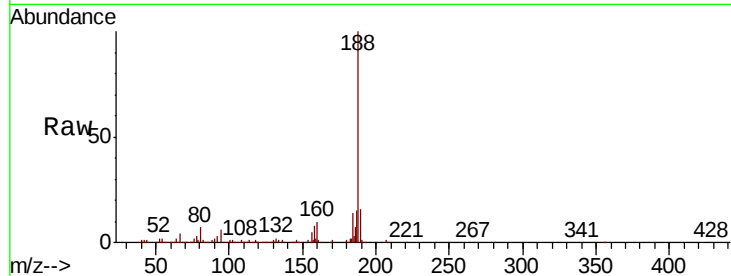




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. -0.03 min
 Lab File: BG042896.D
 Acq: 18 Sep 2019 16:17

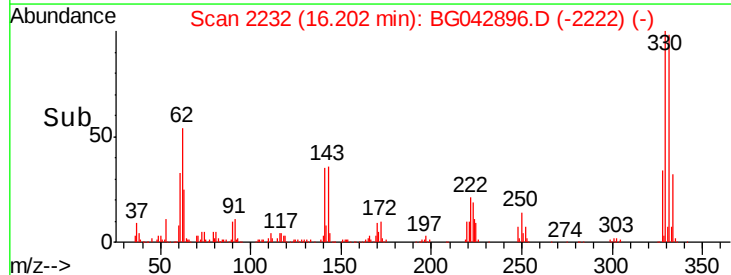
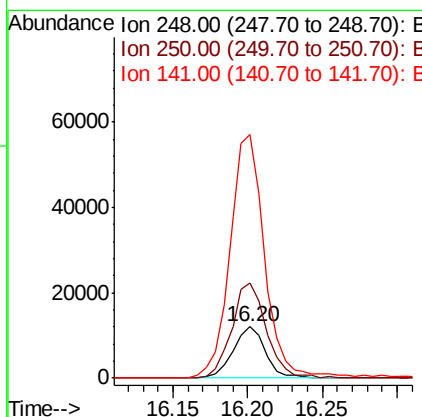
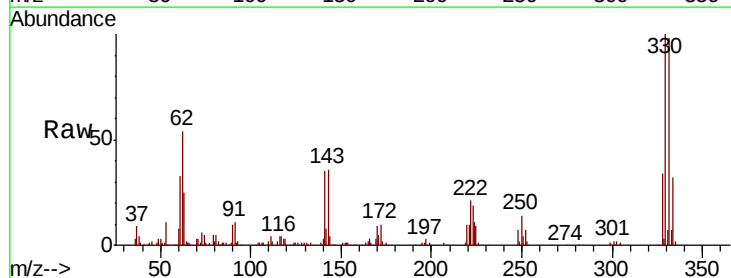
Instrument :
 BNA_G
 ClientSampleId :

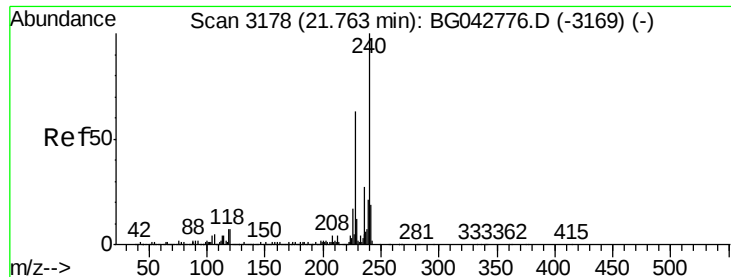
Tot Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.8	7.2
80	7.5	6.6	9.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.895 ng
 RT: 16.20 min Scan# 2232
 Delta R.T. -0.47 min
 Lab File: BG042896.D
 Acq: 18 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
248	100		
250	185.3	78.0	117.0#
141	473.9	51.8	77.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.03 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

Instrument :

BNA_G

ClientSampleId :

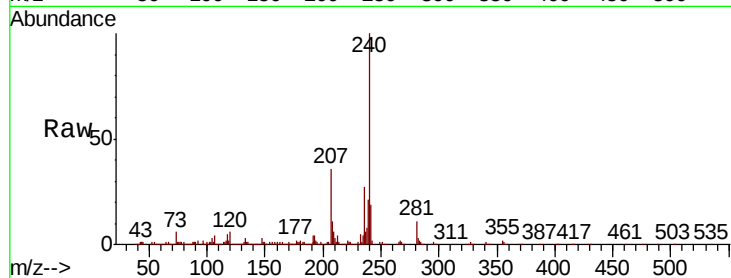
Tot Ion:240 Resp: 371947

Ion Ratio Lower Upper

240 100

120 5.6 5.4 8.2

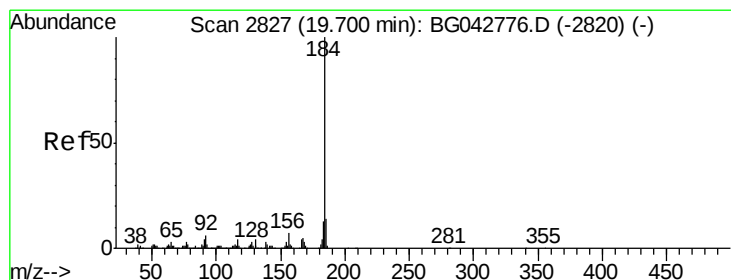
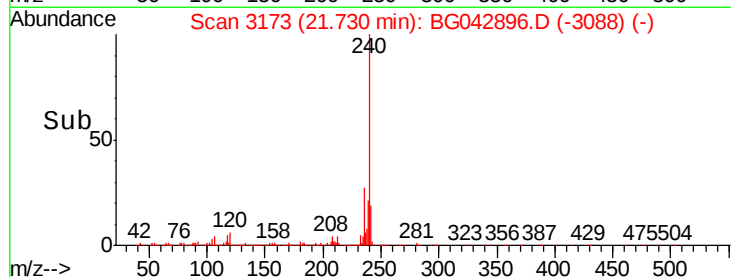
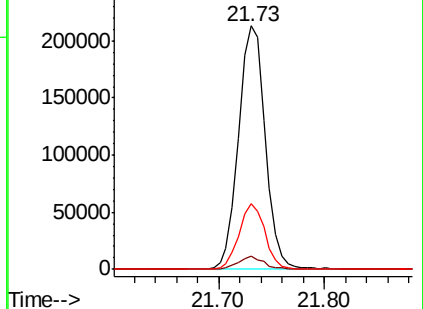
236 27.0 21.7 32.5



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: 3.503 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.37 min

Lab File: BG042896.D

Acq: 18 Sep 2019 16:17

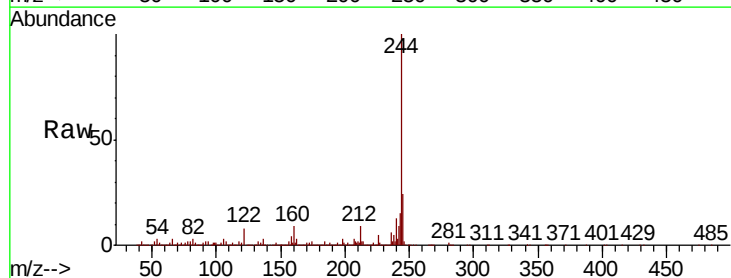
Tgt Ion:184 Resp: 36399

Ion Ratio Lower Upper

184 100

185 17.9 11.6 17.4#

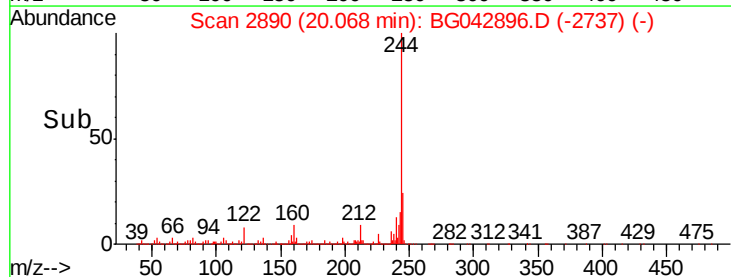
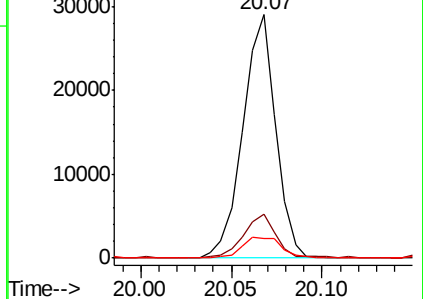
183 7.9 10.4 15.6#

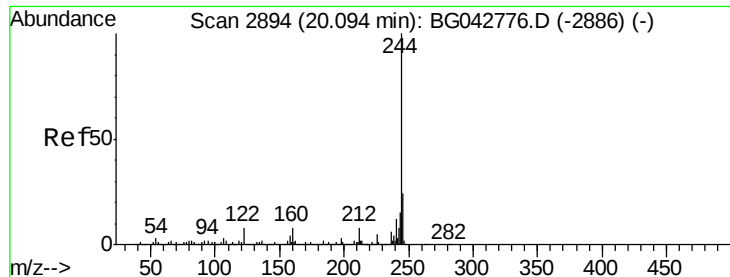


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

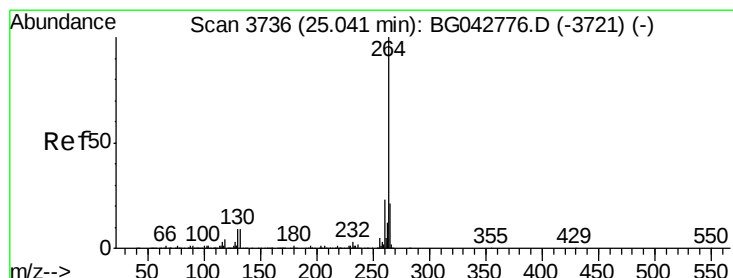
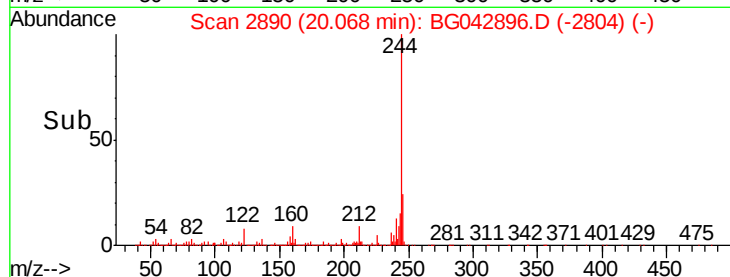
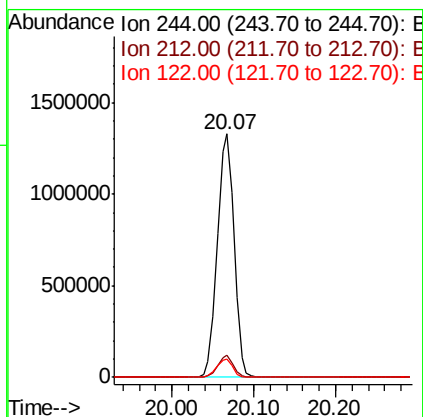
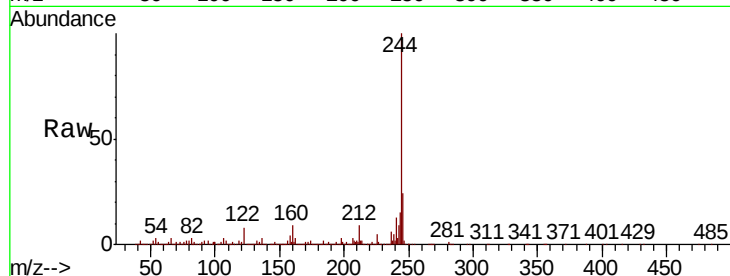




#79
 Terphenyl-d14
 Concen: 113.161 ng
 RT: 20.07 min Scan# 2890
 Delta R.T. -0.03 min
 Lab File: BG042896.D
 Acq: 18 Sep 2019 16:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1899122
 Ion Ratio Lower Upper
 244 100
 212 9.2 6.6 10.0
 122 7.6 6.2 9.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.99 min Scan# 3727
 Delta R.T. -0.06 min
 Lab File: BG042896.D
 Acq: 18 Sep 2019 16:17

Tgt Ion:264 Resp: 388398
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.2
 265 22.0 16.9 25.3

