

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042888.D
 Acq On : 18 Sep 2019 11:12
 Operator : HP/JU
 Sample : K4863-18
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:10:26 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

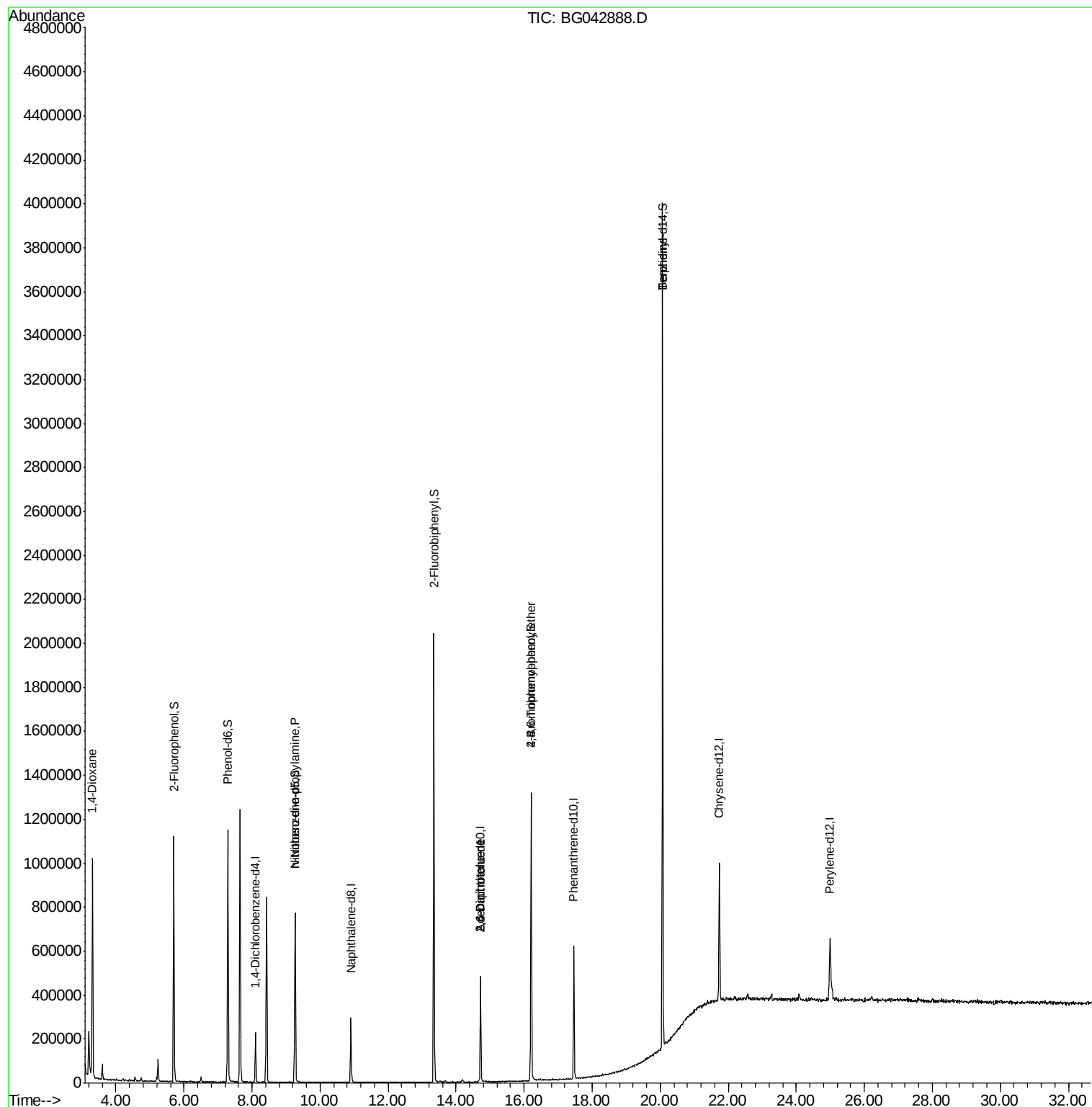
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	60481	20.00	ng	-0.03
21) Naphthalene-d8	10.91	136	240325	20.00	ng	-0.03
39) Acenaphthene-d10	14.72	164	174150	20.00	ng	-0.02
64) Phenanthrene-d10	17.46	188	399026	20.00	ng	-0.03
76) Chrysene-d12	21.74	240	375314	20.00	ng	-0.03
87) Perylene-d12	24.99	264	366054	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	430635	123.79	ng	0.01
7) Phenol-d6	7.29	99	602159	120.59	ng	0.03
23) Nitrobenzene-d5	9.27	82	464485	100.62	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	261987	113.08	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1055009	95.89	ng	-0.03
79) Terphenyl-d14	20.07	244	1857043	109.66	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.31	88	8311	5.235	ng	# 1
19) n-Nitroso-di-n-propylamine	9.27	70	65114	17.697	ng	# 73
51) 2,6-Dinitrotoluene	14.72	165	23274	8.694	ng	# 20
57) 2,4-Dinitrotoluene	14.72	165	23347	6.543	ng	# 24
67) 4-Bromophenyl-phenylether	16.20	248	17099	3.540	ng	# 1
77) Benzidine	20.07	184	35087	3.346	ng	# 93

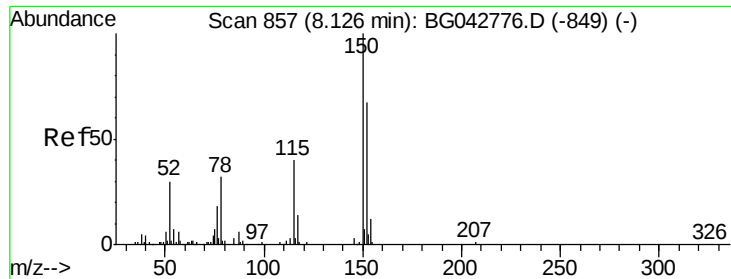
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



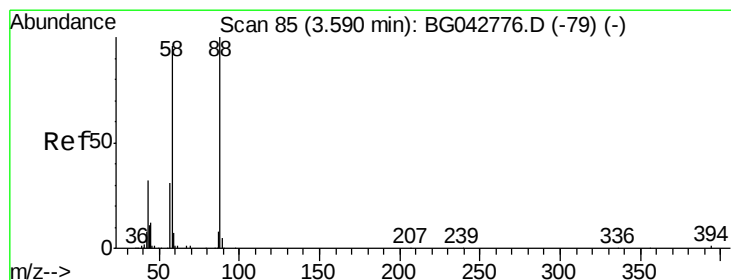
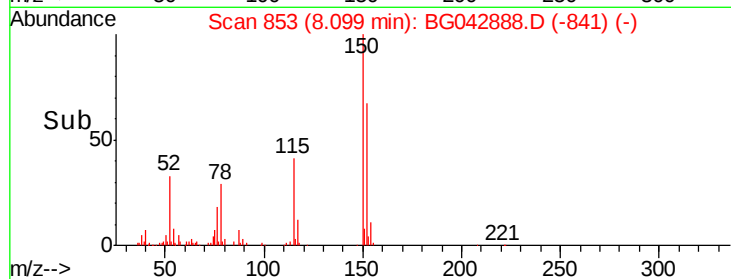
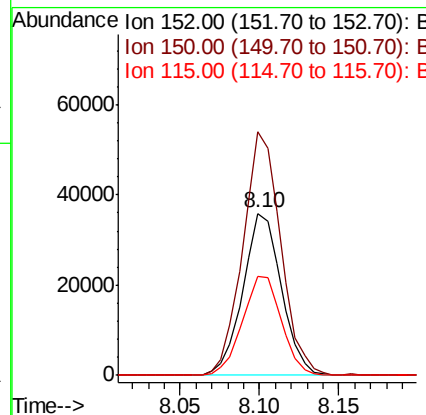
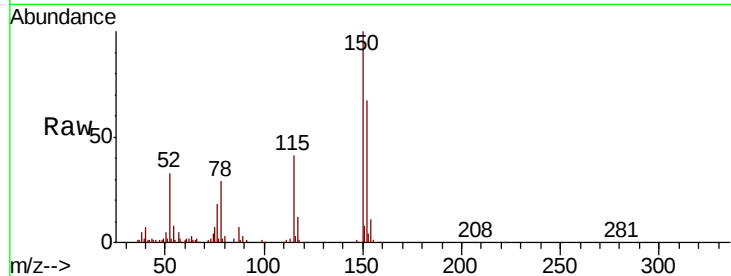


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.03 min
Lab File: BG042888.D
Acq: 18 Sep 2019 11:12

Instrument :
BNA_G
ClientSampleId :

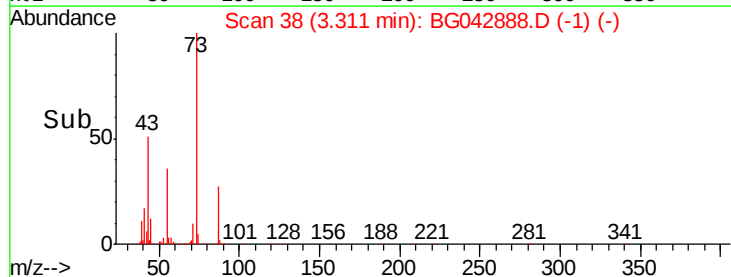
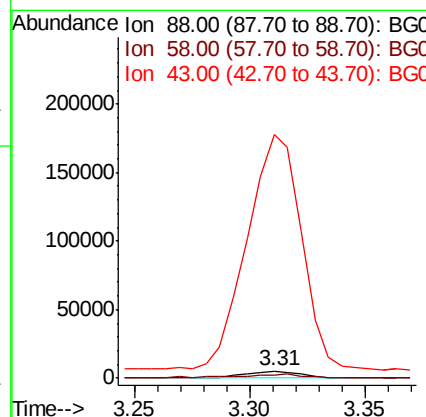
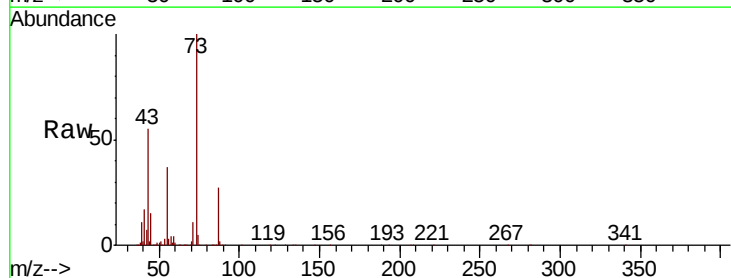
Tot Ion:152 Resp: 60481
Ion Ratio Lower Upper
152 100
150 150.0 118.9 178.3
115 60.9 47.4 71.2

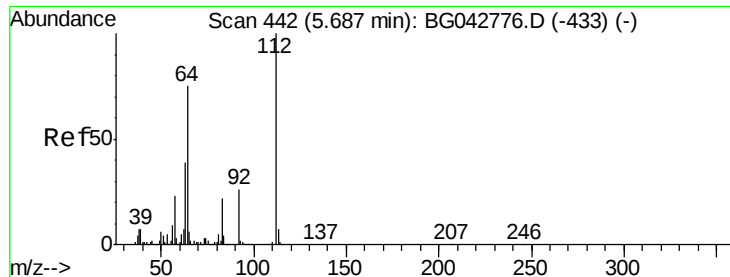


#2

1,4-Dioxane
Concen: 5.235 ng
RT: 3.31 min Scan# 38
Delta R.T. -0.28 min
Lab File: BG042888.D
Acq: 18 Sep 2019 11:12

Tgt Ion: 88 Resp: 8311
Ion Ratio Lower Upper
88 100
58 51.6 79.1 118.7#
43 3520.3 30.4 45.6#





#5

2-Fluorophenol

Concen: 123.788 ng

RT: 5.70 min Scan# 445

Delta R.T. 0.01 min

Lab File: BG042888.D

Acq: 18 Sep 2019 11:12

Instrument :

BNA_G

ClientSampleId :

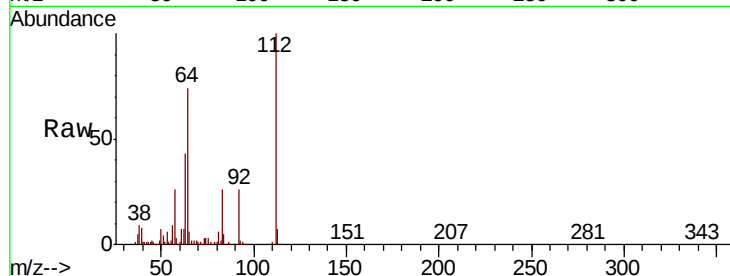
Tot Ion:112 Resp: 430635

Ion Ratio Lower Upper

112 100

64 74.4 60.2 90.2

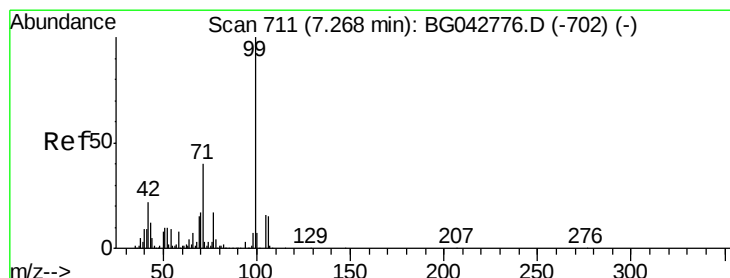
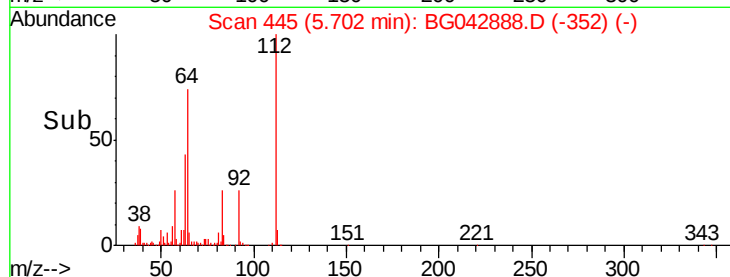
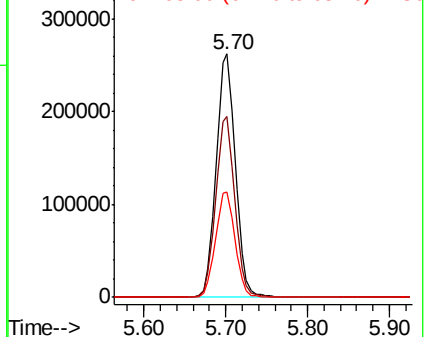
63 43.2 31.2 46.8



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: 120.594 ng

RT: 7.29 min Scan# 716

Delta R.T. 0.03 min

Lab File: BG042888.D

Acq: 18 Sep 2019 11:12

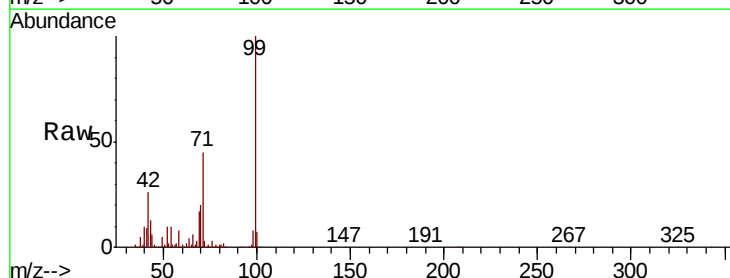
Tgt Ion: 99 Resp: 602159

Ion Ratio Lower Upper

99 100

42 25.7 17.5 26.3

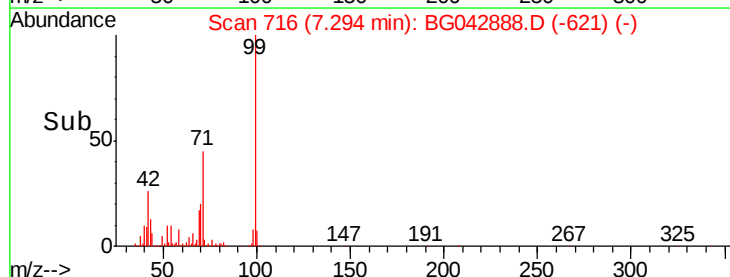
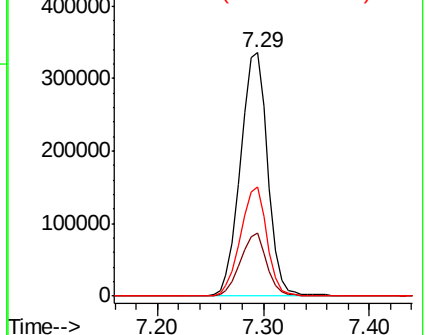
71 44.7 32.0 48.0

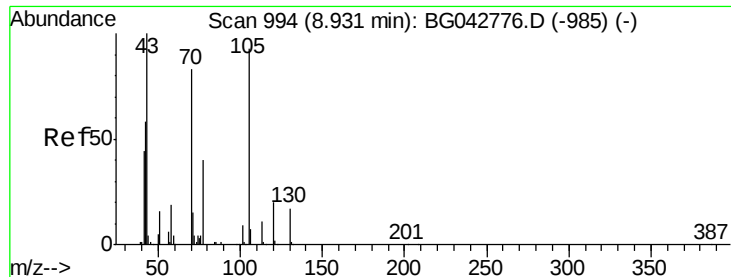


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

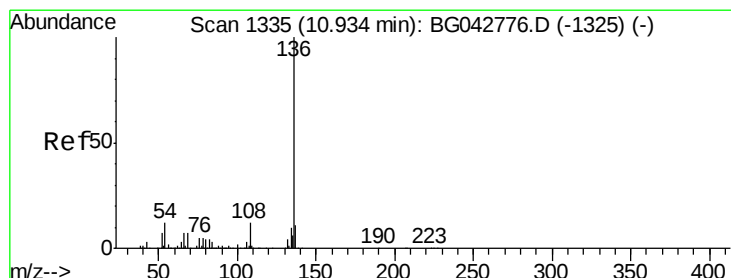
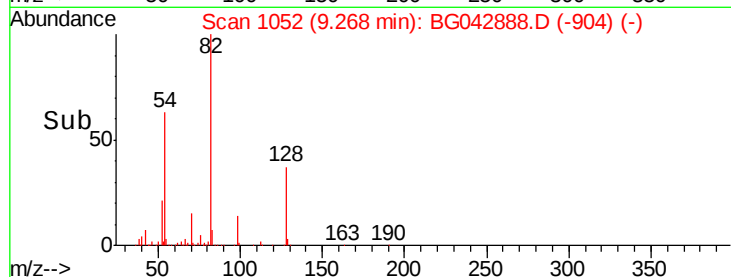
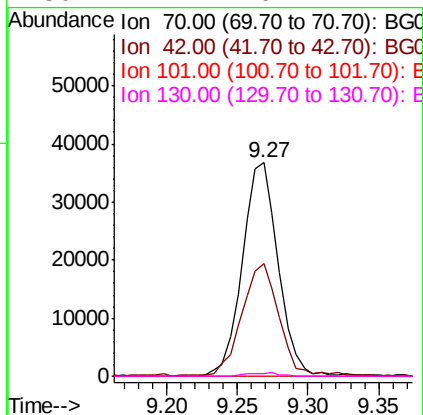
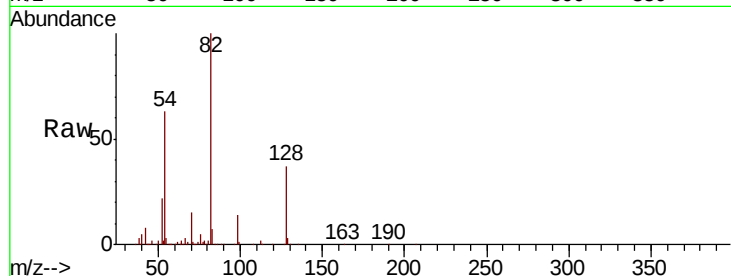




#19
n-Nitroso-di-n-propylamine
Concen: 17.697 ng
RT: 9.27 min Scan# 1052
Delta R.T. 0.34 min
Lab File: BG042888.D
Acq: 18 Sep 2019 11:12

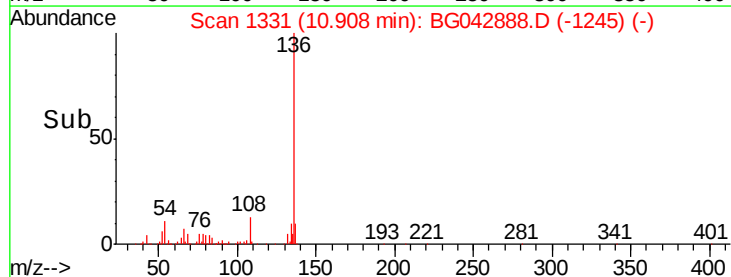
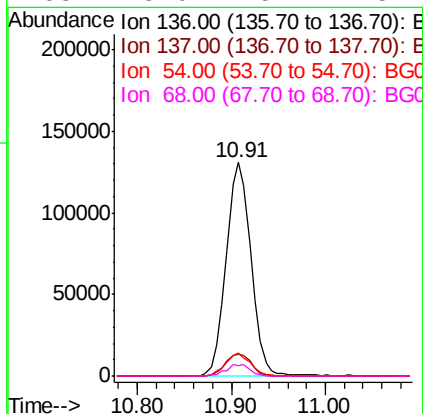
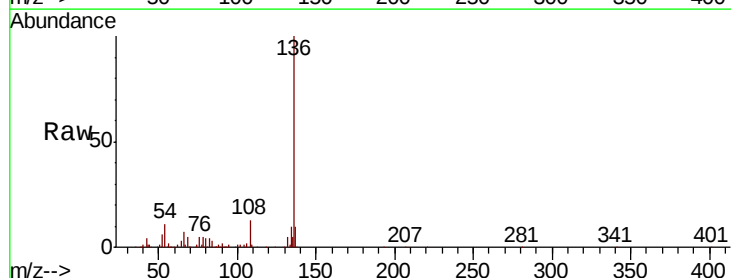
Instrument :
BNA_G
ClientSampleId :

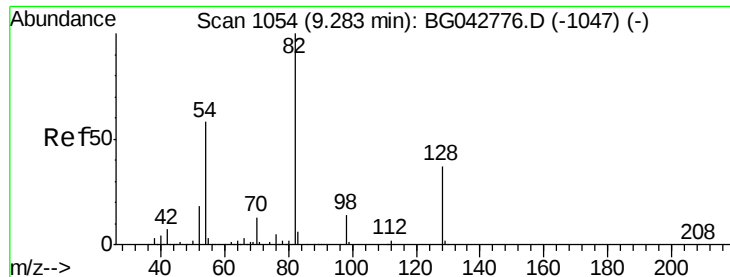
Tot Ion: 70 Resp: 65114
Ion Ratio Lower Upper
70 100
42 52.5 57.0 85.6#
101 0.0 8.4 12.6#
130 1.1 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1331
Delta R.T. -0.03 min
Lab File: BG042888.D
Acq: 18 Sep 2019 11:12

Tgt Ion: 136 Resp: 240325
Ion Ratio Lower Upper
136 100
137 10.3 9.0 13.6
54 10.6 9.4 14.0
68 5.0 5.4 8.2#

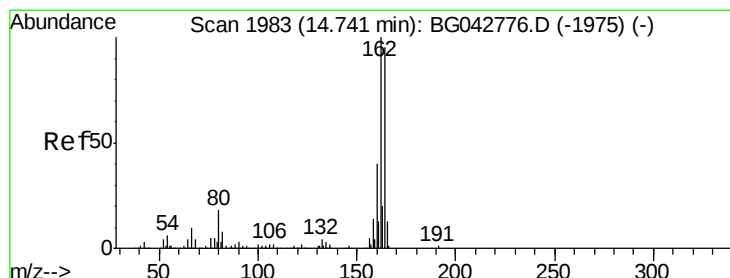
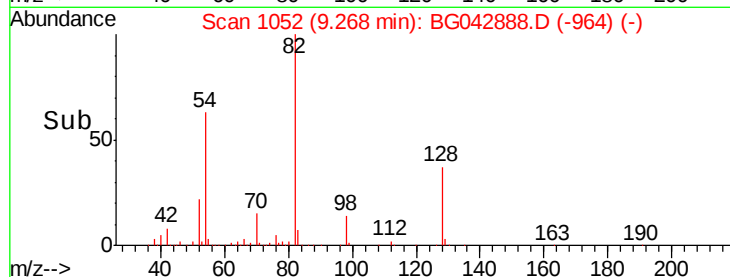
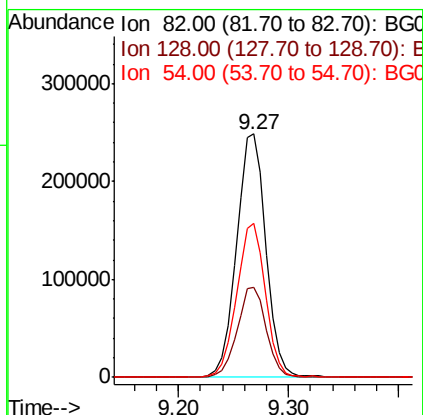
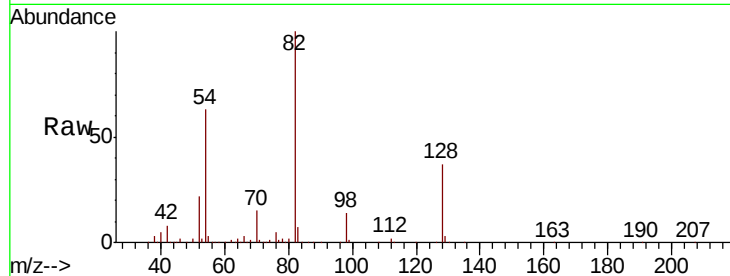




#23
Nitrobenzene-d5
Concen: 100.623 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG042888.D
Acq: 18 Sep 2019 11:12

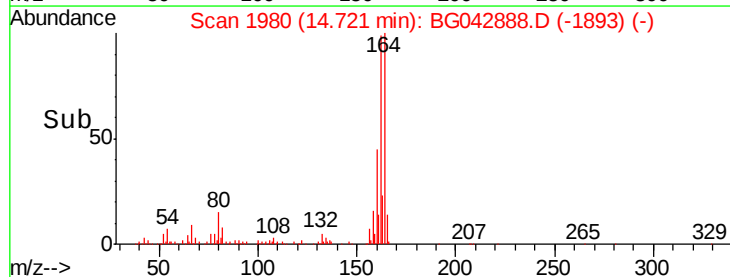
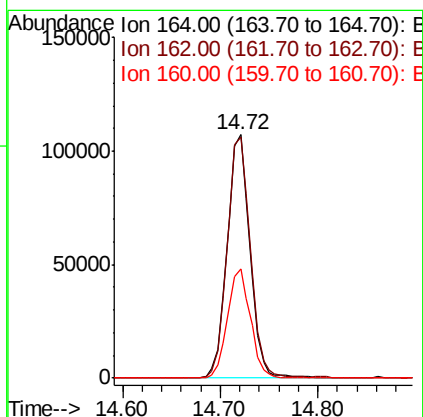
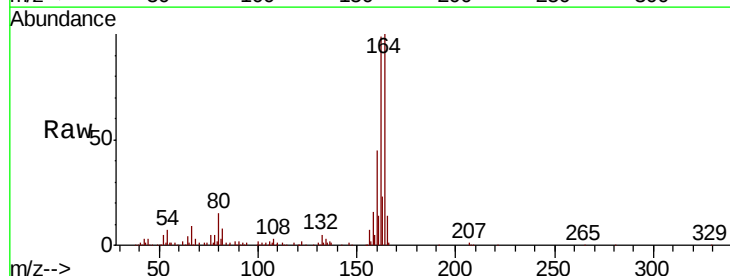
Instrument :
BNA_G
ClientSampleId :

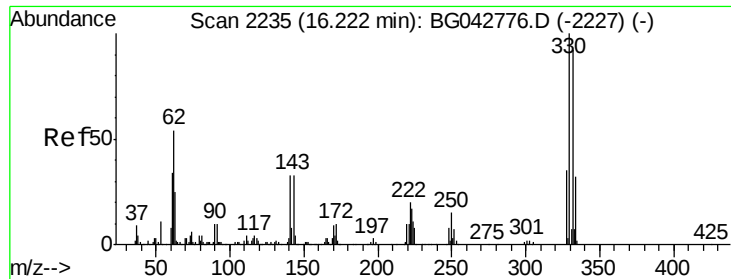
Tot Ion	82	Resp	464485
Ion Ratio	Lower	Upper	
82	100		
128	37.0	29.8	44.8
54	63.3	46.1	69.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.02 min
Lab File: BG042888.D
Acq: 18 Sep 2019 11:12

Tgt Ion	164	Resp	174150
Ion Ratio	Lower	Upper	
164	100		
162	98.8	84.6	126.8
160	44.6	34.2	51.2

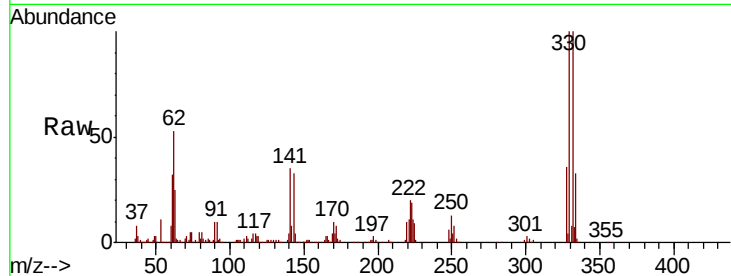




#42
 2,4,6-Tribromophenol
 Concen: 113.075 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BG042888.D
 Acq: 18 Sep 2019 11:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.7	115.1
141	34.8	27.0	40.6

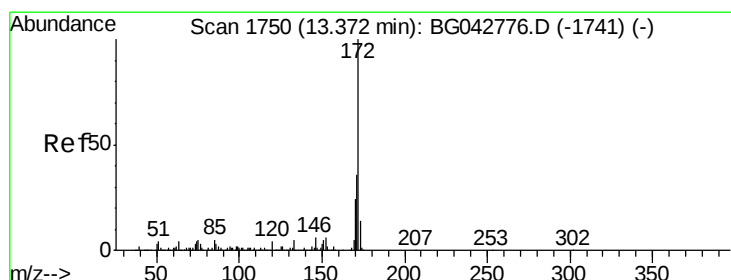
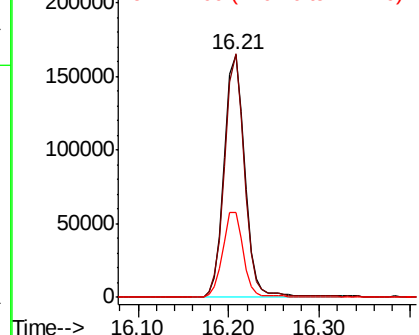
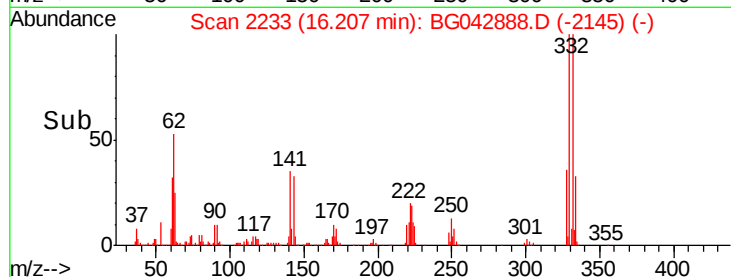


Abundance

Ion 329.80 (329.50 to 330.50): E

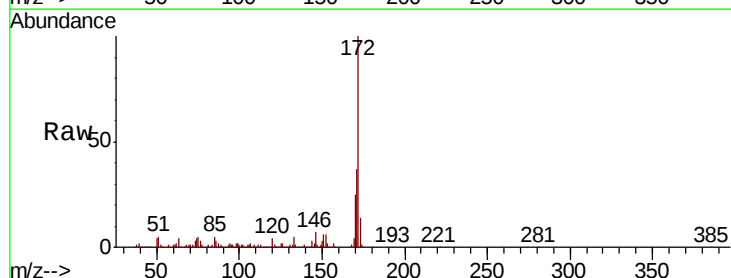
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.895 ng
 RT: 13.35 min Scan# 1746
 Delta R.T. -0.03 min
 Lab File: BG042888.D
 Acq: 18 Sep 2019 11:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.9	43.3
170	24.5	19.1	28.7

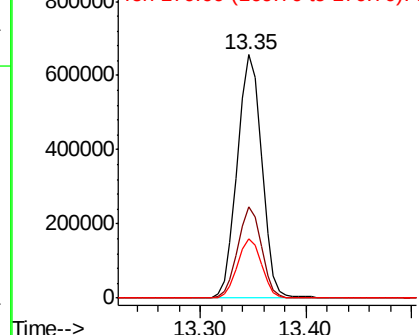
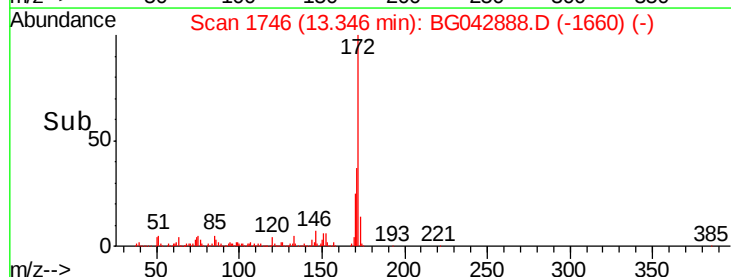


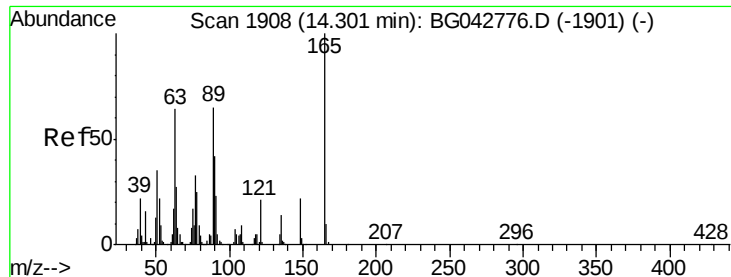
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.694 ng

RT: 14.72 min Scan# 1980

Delta R.T. 0.42 min

Lab File: BG042888.D

Acq: 18 Sep 2019 11:12

Instrument :

BNA_G

ClientSampleId :

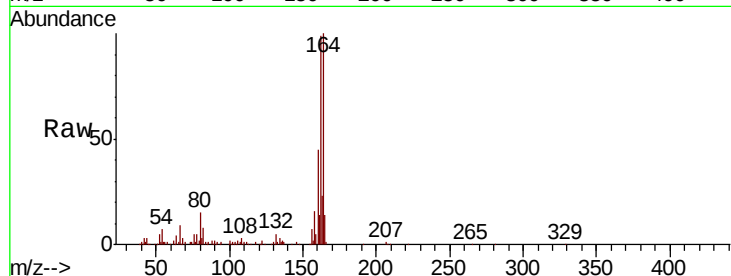
Tot Ion:165 Resp: 23274

Ion Ratio Lower Upper

165 100

63 2.0 52.1 78.1#

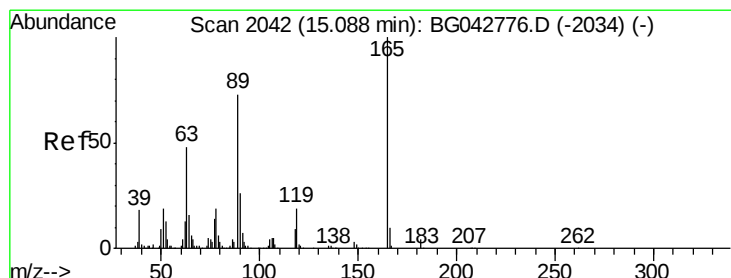
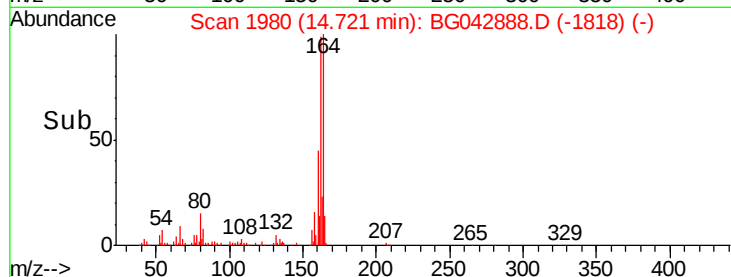
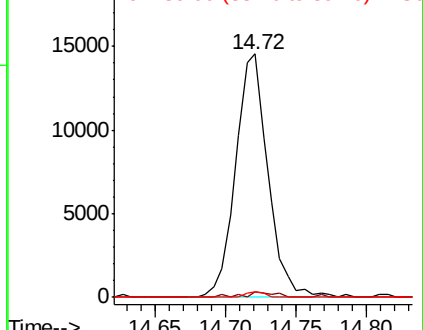
89 2.4 51.7 77.5#



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: 6.543 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.37 min

Lab File: BG042888.D

Acq: 18 Sep 2019 11:12

Tgt Ion:165 Resp: 23347

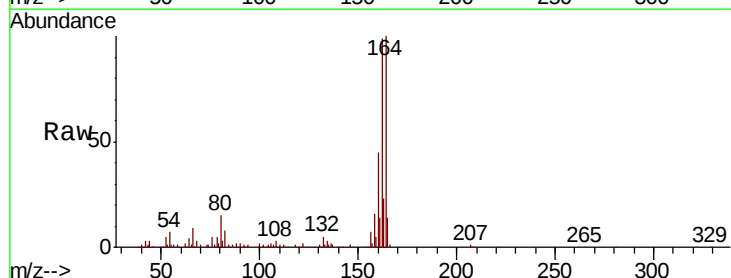
Ion Ratio Lower Upper

165 100

63 2.0 38.3 57.5#

89 2.4 58.4 87.6#

182 0.0 2.9 4.3#

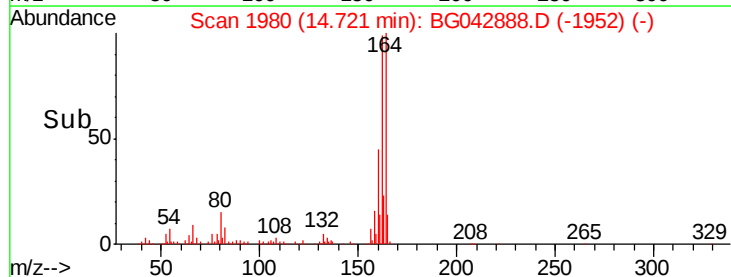
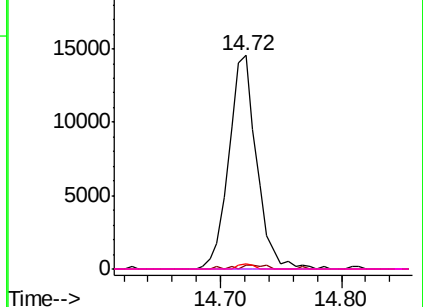


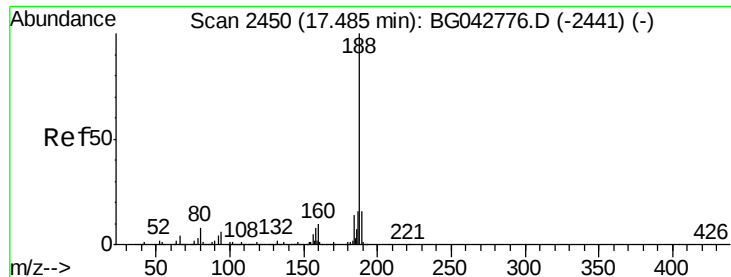
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042888.D

Acq: 18 Sep 2019 11:12

Instrument :

BNA_G

ClientSampleId :

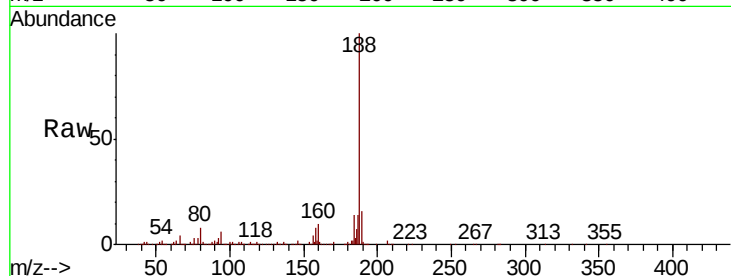
Tot Ion:188 Resp: 399026

Ion Ratio Lower Upper

188 100

94 6.1 4.8 7.2

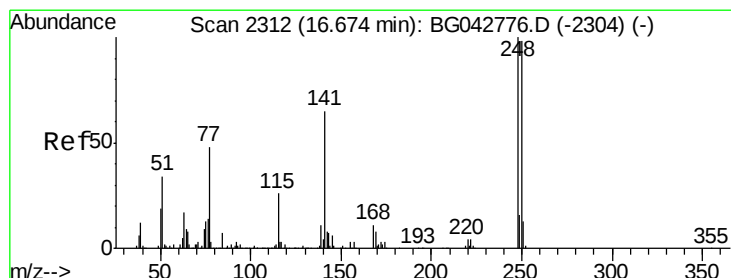
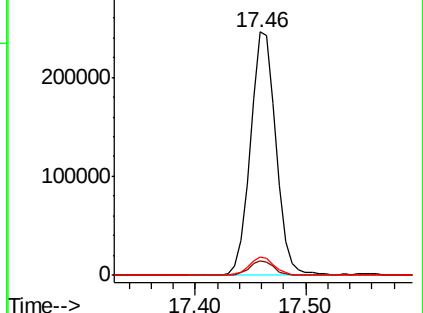
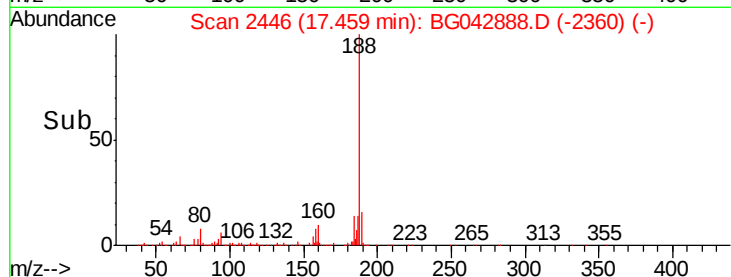
80 7.7 6.6 9.8



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: 3.540 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.47 min

Lab File: BG042888.D

Acq: 18 Sep 2019 11:12

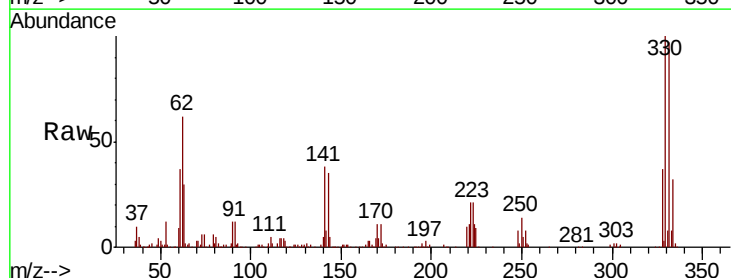
Tgt Ion:248 Resp: 17099

Ion Ratio Lower Upper

248 100

250 189.5 78.0 117.0#

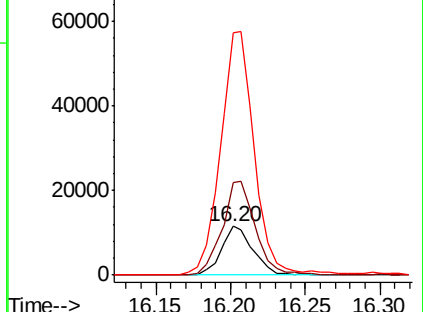
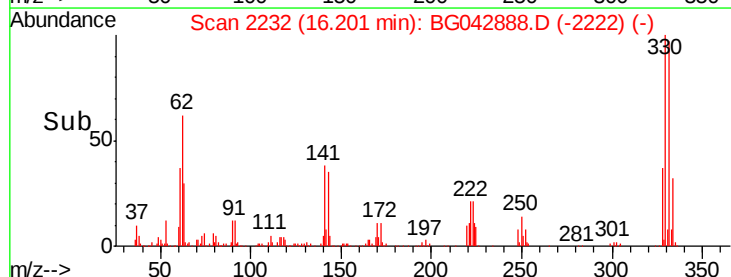
141 497.4 51.8 77.6#

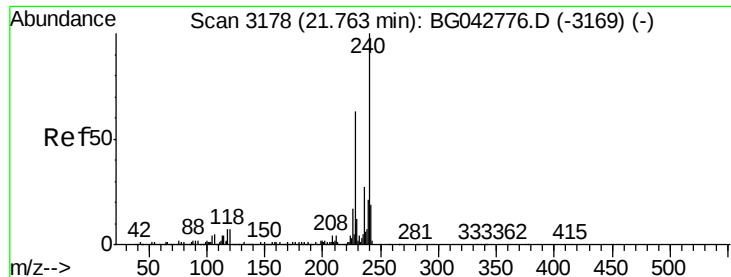


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.74 min Scan# 3174

Delta R.T. -0.03 min

Lab File: BG042888.D

Acq: 18 Sep 2019 11:12

Instrument :

BNA_G

ClientSampleId :

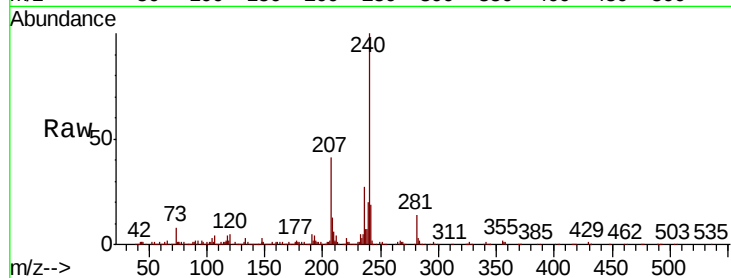
Tot Ion:240 Resp: 375314

Ion Ratio Lower Upper

240 100

120 5.0 5.4 8.2#

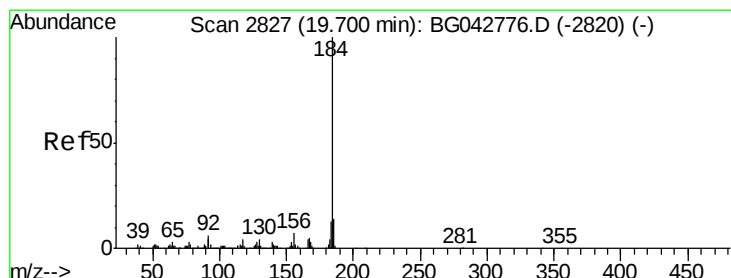
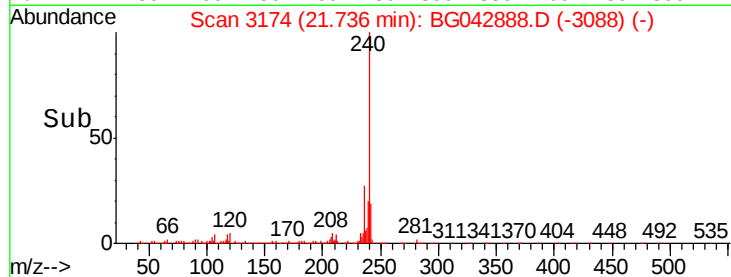
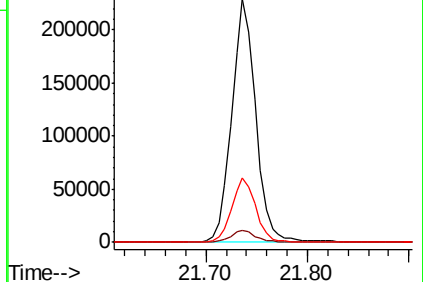
236 26.6 21.7 32.5



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: 3.346 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.37 min

Lab File: BG042888.D

Acq: 18 Sep 2019 11:12

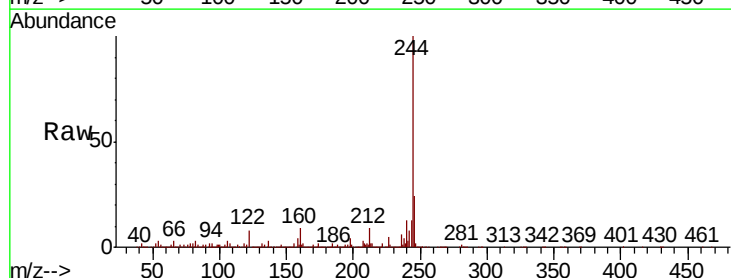
Tgt Ion:184 Resp: 35087

Ion Ratio Lower Upper

184 100

185 16.9 11.6 17.4

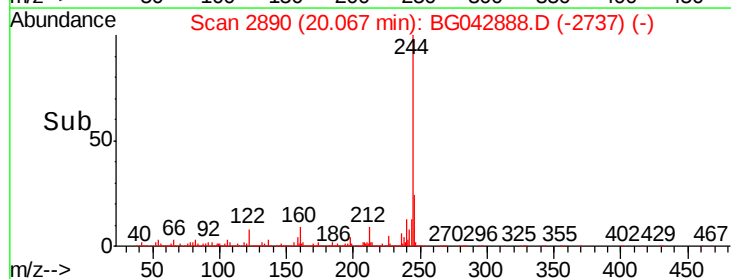
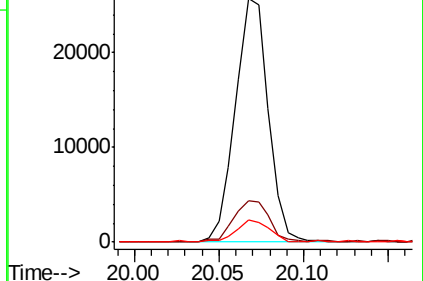
183 9.4 10.4 15.6#

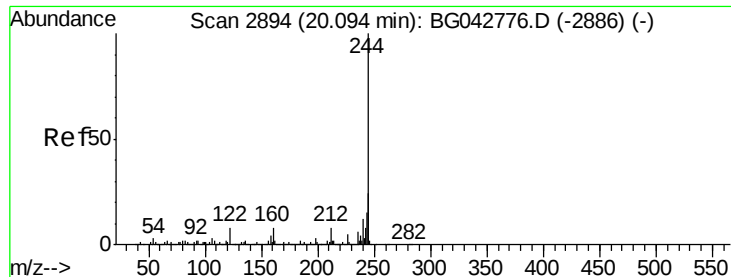


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



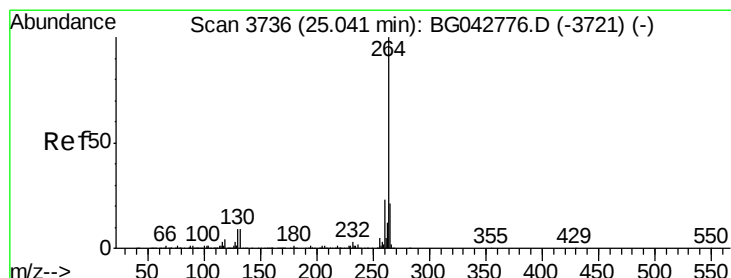
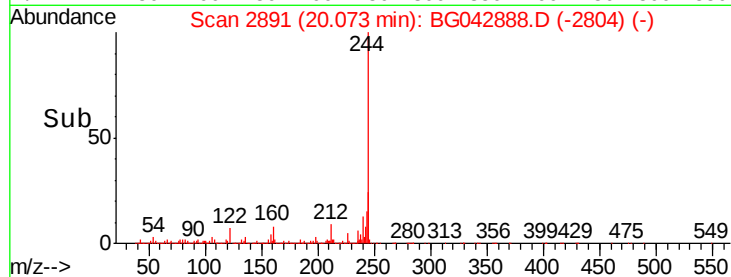
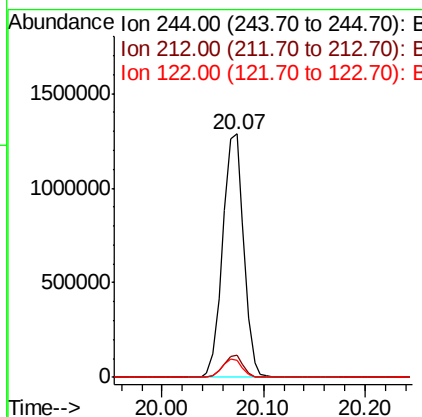
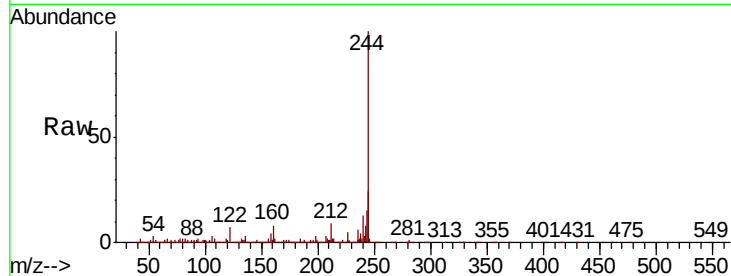


#79
 Terphenyl-d14
 Concen: 109.661 ng
 RT: 20.07 min Scan# 2891
 Delta R.T. -0.02 min
 Lab File: BG042888.D
 Acq: 18 Sep 2019 11:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1857043

Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.6	10.0
122	7.0	6.2	9.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.99 min Scan# 3728
 Delta R.T. -0.05 min
 Lab File: BG042888.D
 Acq: 18 Sep 2019 11:12

Tgt Ion:264 Resp: 366054

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.2	27.2
265	23.8	16.9	25.3

