

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
 Data File : BG042878.D
 Acq On : 17 Sep 2019 21:56
 Operator : HP/JU
 Sample : K4924-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 18 01:53:37 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

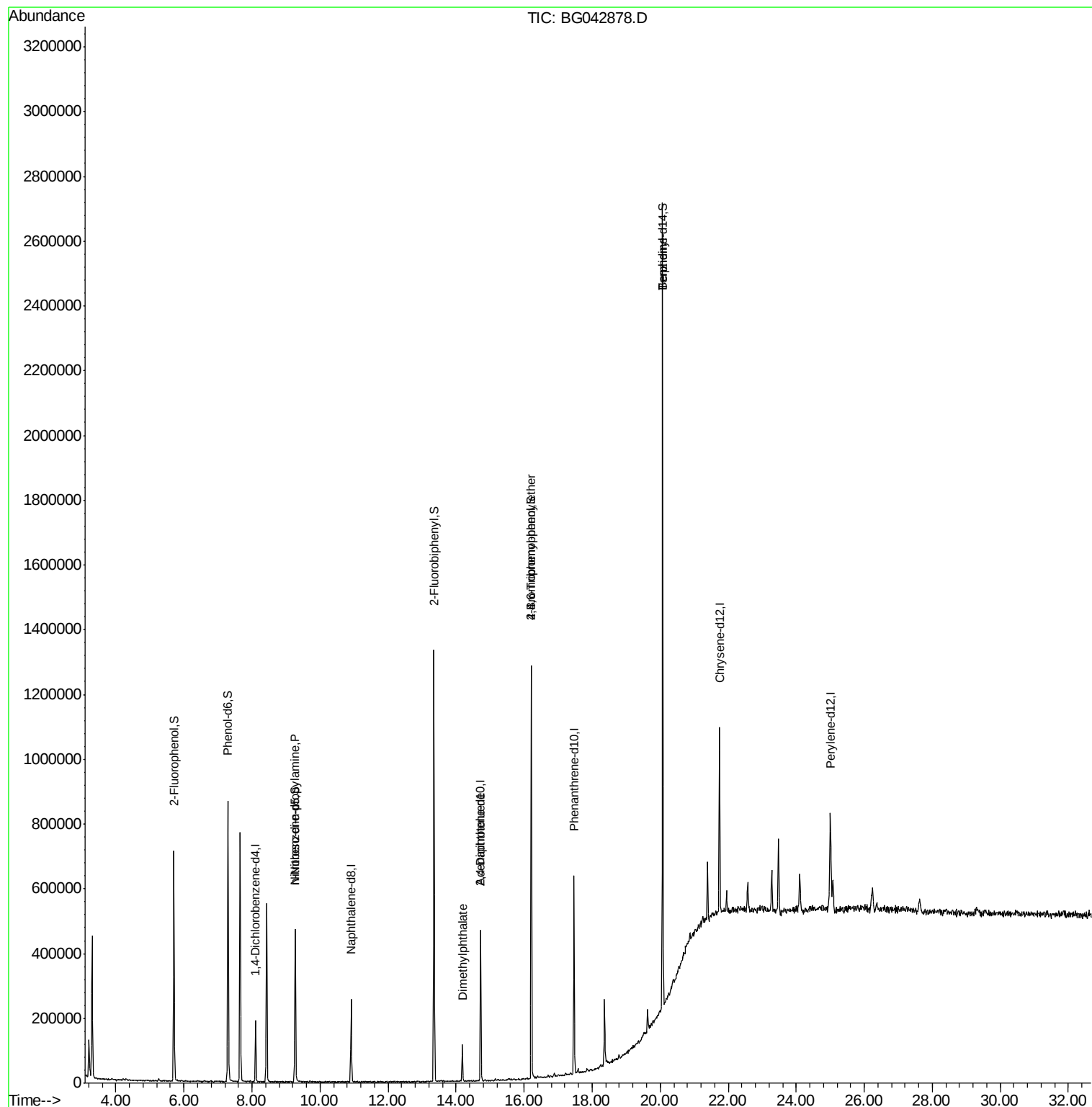
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	50282	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	209532	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	161791	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	387791	20.00	ng	-0.02
76) Chrysene-d12	21.74	240	332986	20.00	ng	-0.02
87) Perylene-d12	25.00	264	353416	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	276358	95.55	ng	0.02
7) Phenol-d6	7.30	99	443637	106.87	ng	0.03
23) Nitrobenzene-d5	9.28	82	290876	72.27	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	253085	117.58	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	708656	69.33	ng	-0.02
79) Terphenyl-d14	20.07	244	1133596	75.45	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	41860	13.685	ng	Qvalue # 75
50) Dimethylphthalate	14.19	163	75856	6.259	ng	96
57) 2,4-Dinitrotoluene	14.72	165	22464	6.777	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	16741	3.567	ng	# 1
77) Benzidine	20.07	184	20361	2.189	ng	96

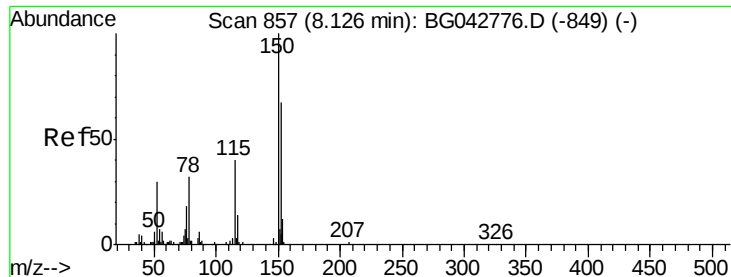
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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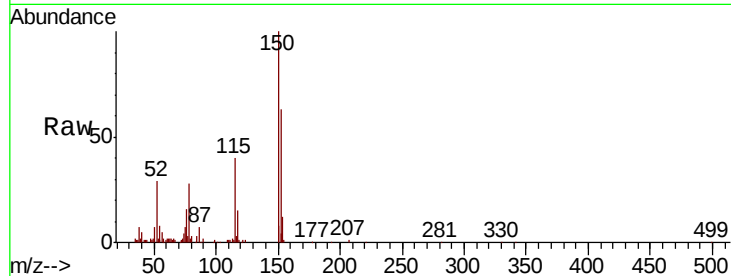


#1

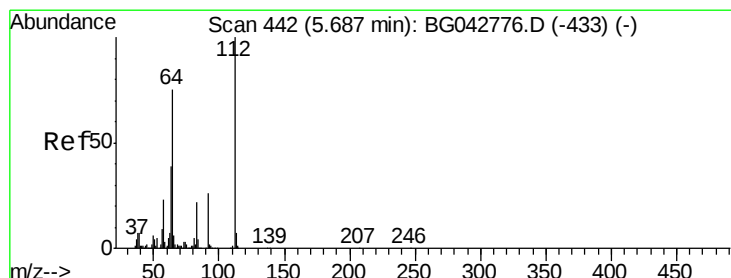
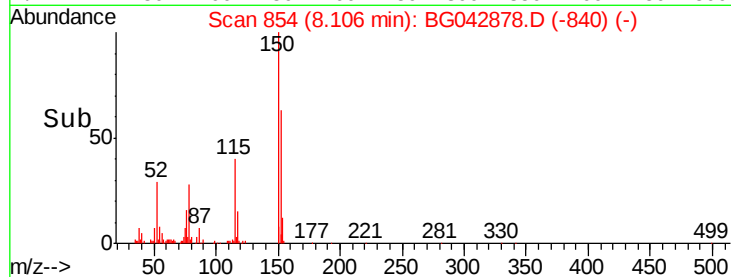
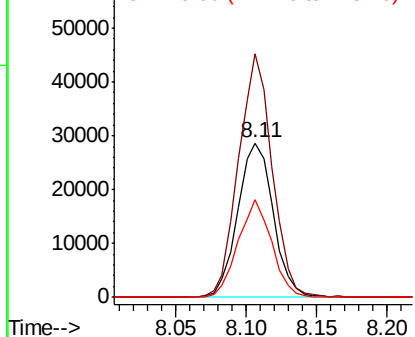
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BG042878.D
Acq: 17 Sep 2019 21:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50282
Ion Ratio Lower Upper
152 100
150 157.8 118.9 178.3
115 63.3 47.4 71.2



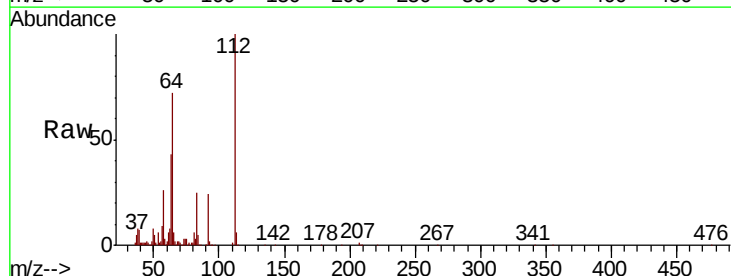
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



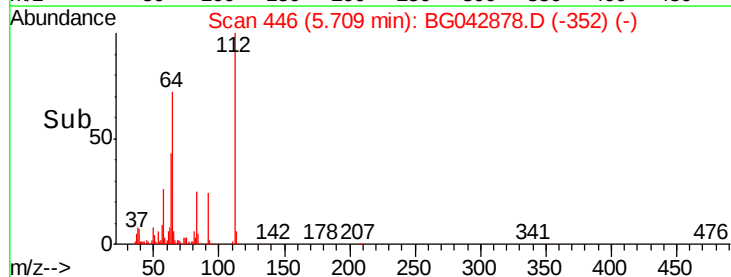
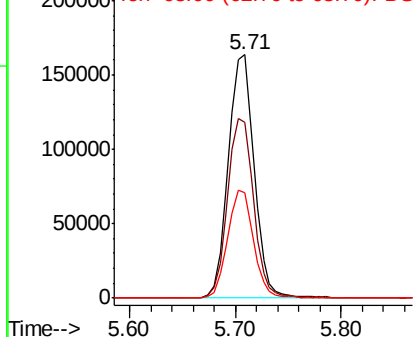
#5

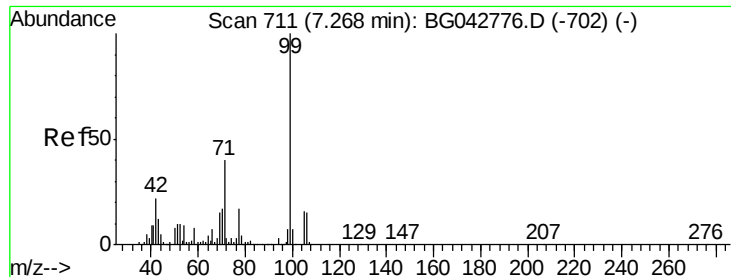
2-Fluorophenol
Concen: 95.553 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.02 min
Lab File: BG042878.D
Acq: 17 Sep 2019 21:56

Tgt Ion:112 Resp: 276358
Ion Ratio Lower Upper
112 100
64 72.0 60.2 90.2
63 43.3 31.2 46.8



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





#7

Phenol-d6

Concen: 106.868 ng

RT: 7.30 min Scan# 716

Delta R.T. 0.03 min

Lab File: BG042878.D

Acq: 17 Sep 2019 21:56

Instrument :

BNA_G

ClientSampleId :

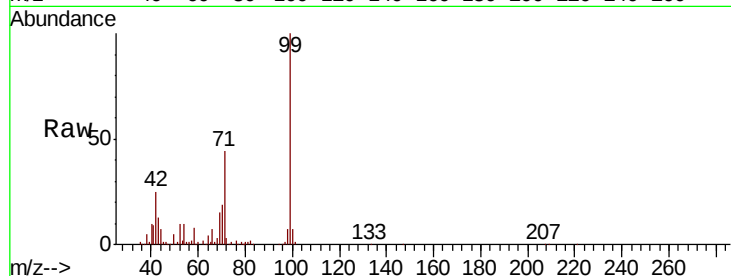
Tot Ion: 99 Resp: 443637

Ion Ratio Lower Upper

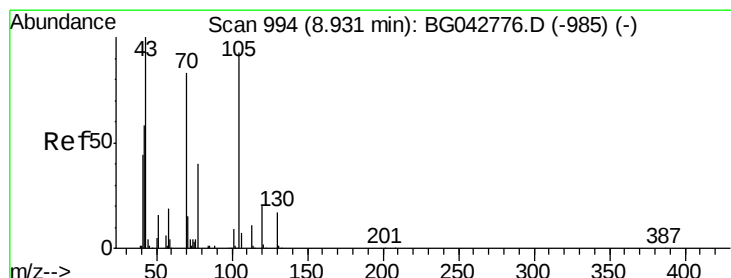
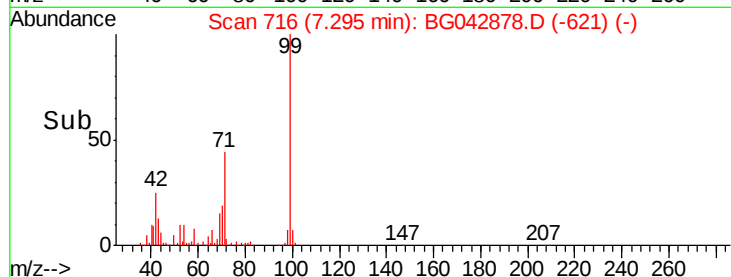
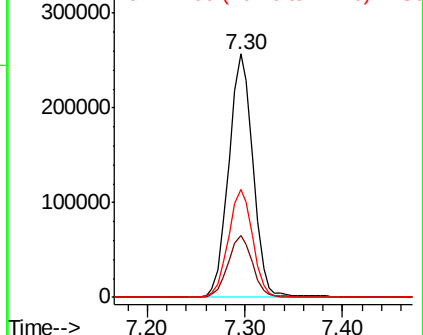
99 100

42 25.4 17.5 26.3

71 44.5 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: 13.685 ng

RT: 9.28 min Scan# 1053

Delta R.T. 0.34 min

Lab File: BG042878.D

Acq: 17 Sep 2019 21:56

Tgt Ion: 70 Resp: 41860

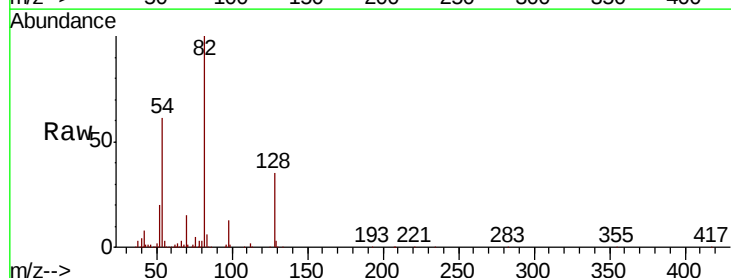
Ion Ratio Lower Upper

70 100

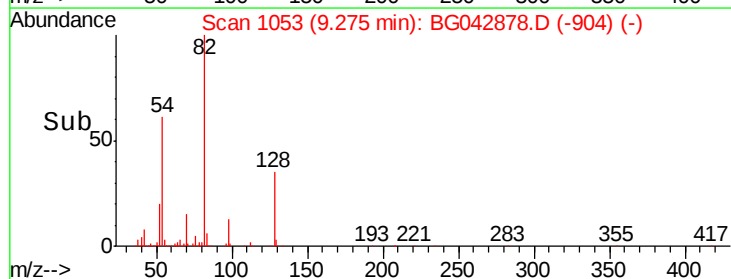
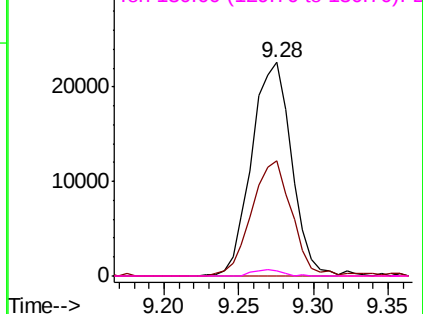
42 54.2 57.0 85.6#

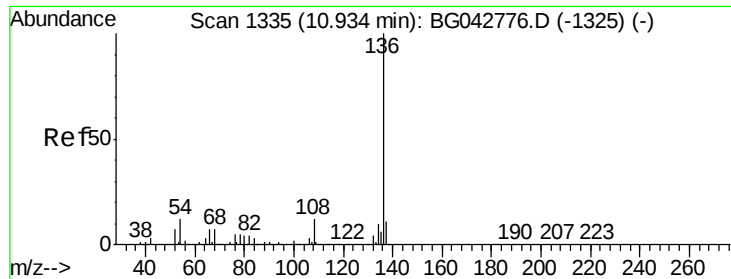
101 0.0 8.4 12.6#

130 2.3 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

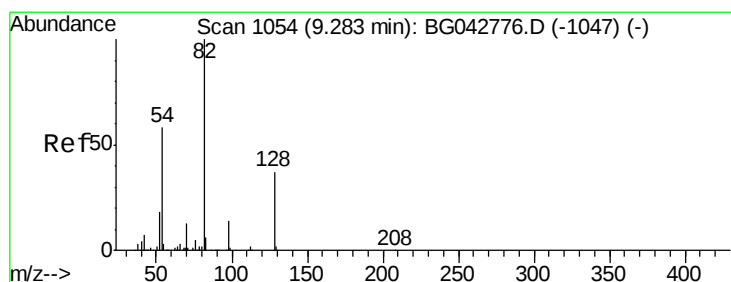
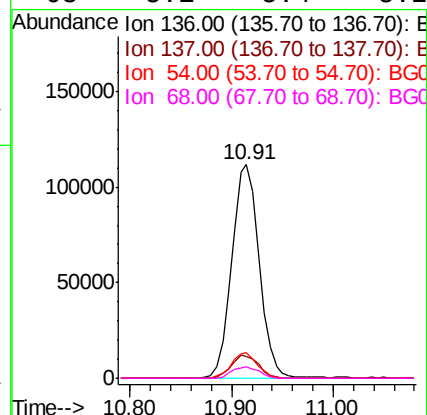
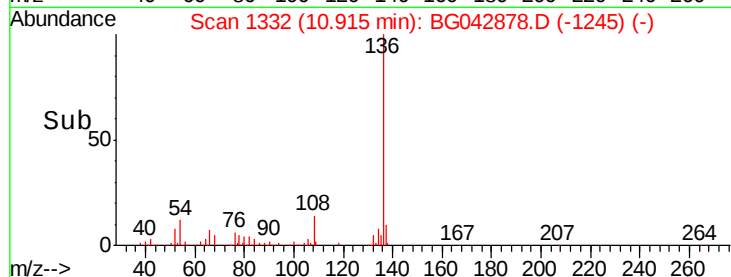
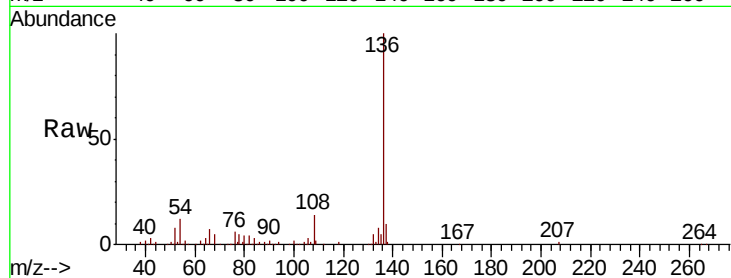




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BG042878.D
Acq: 17 Sep 2019 21:56

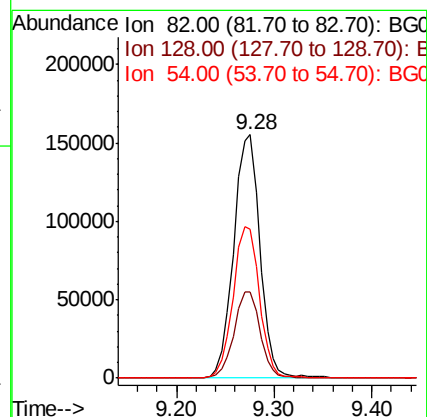
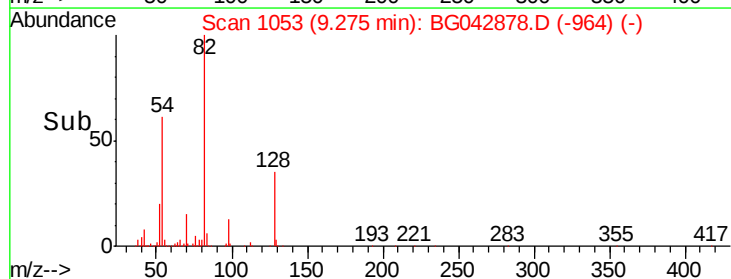
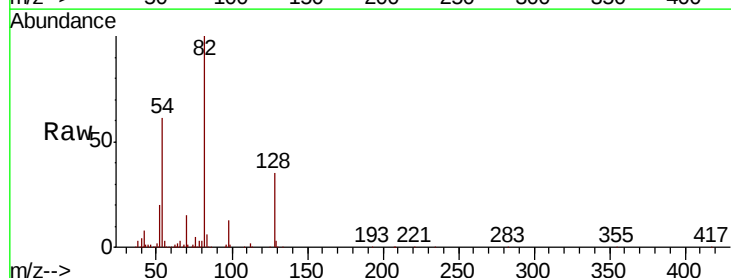
Instrument :
BNA_G
ClientSampleId :

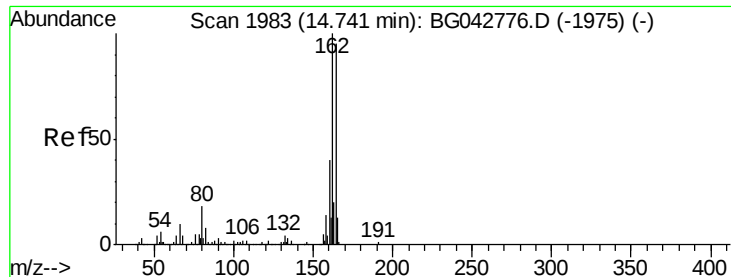
Tot Ion:136	Resp:	209532
Ion	Ratio	Lower Upper
136	100	
137	10.4	9.0 13.6
54	11.7	9.4 14.0
68	5.1	5.4 8.2#



#23
Nitrobenzene-d5
Concen: 72.274 ng
RT: 9.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042878.D
Acq: 17 Sep 2019 21:56

Tgt Ion: 82	Resp:	290876
Ion	Ratio	Lower Upper
82	100	
128	35.5	29.8 44.8
54	61.4	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: BG042878.D

Acq: 17 Sep 2019 21:56

Instrument :

BNA_G

ClientSampleId :

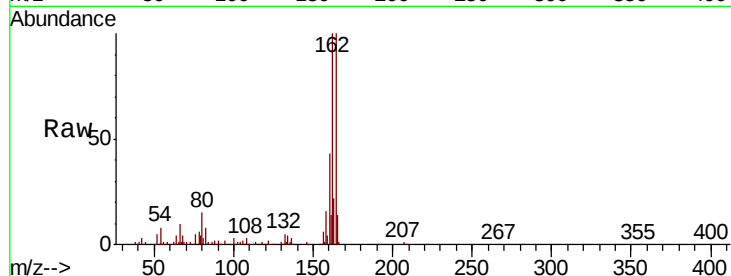
Tot Ion:164 Resp: 161791

Ion Ratio Lower Upper

164 100

162 100.4 84.6 126.8

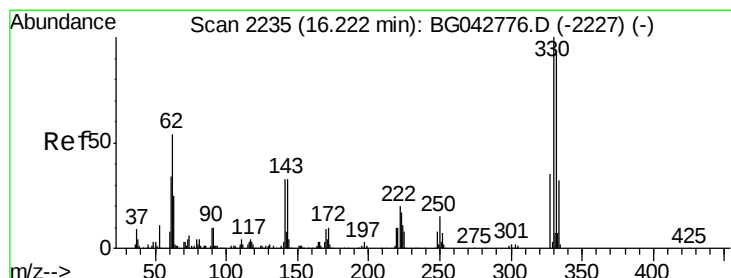
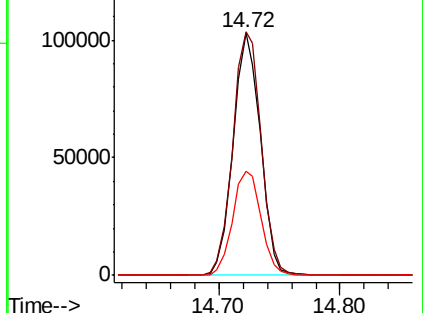
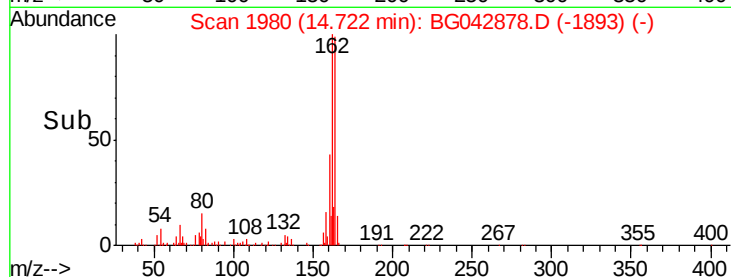
160 43.2 34.2 51.2



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: 117.577 ng

RT: 16.21 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BG042878.D

Acq: 17 Sep 2019 21:56

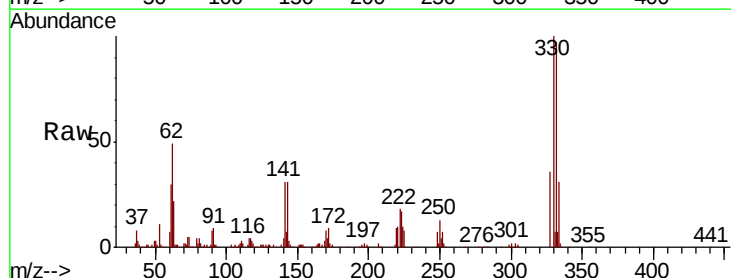
Tgt Ion:330 Resp: 253085

Ion Ratio Lower Upper

330 100

332 97.2 76.7 115.1

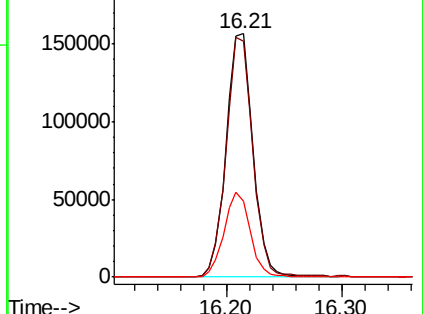
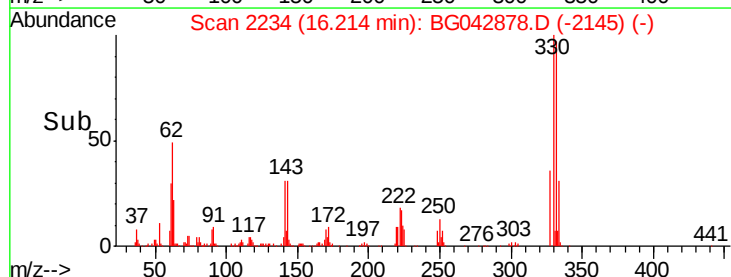
141 34.2 27.0 40.6

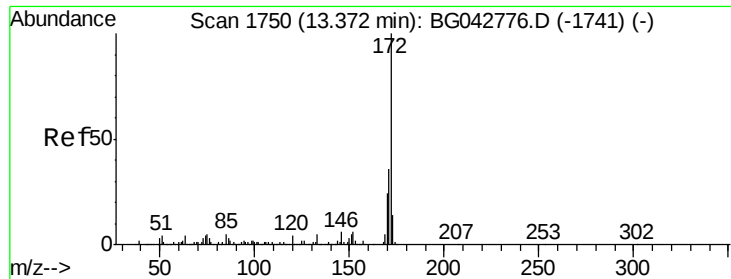


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

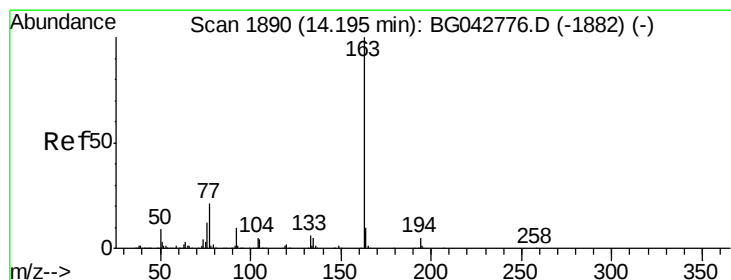
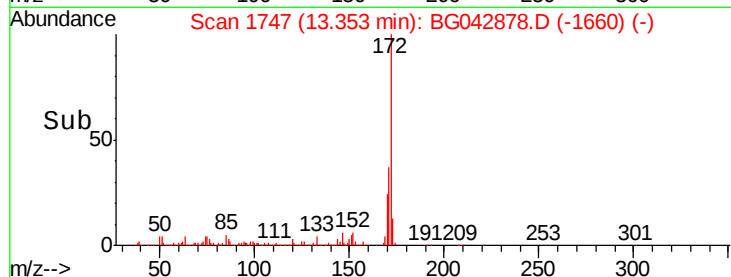
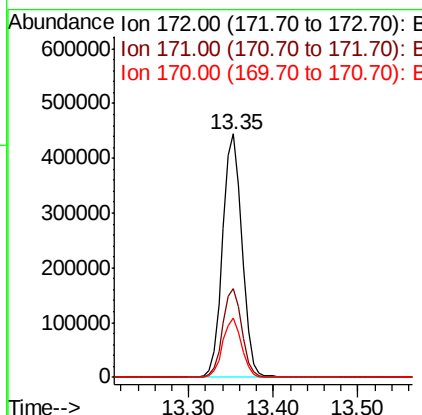
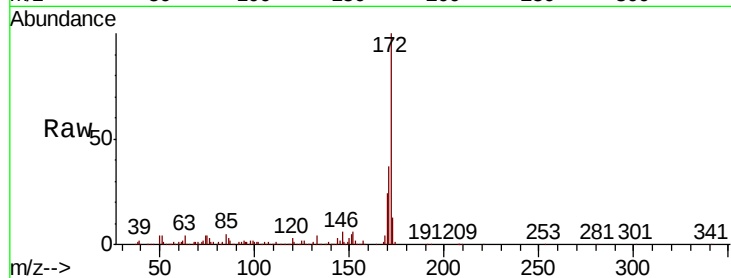




#45
2-Fluorobiphenyl
Concen: 69.334 ng
RT: 13.35 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BG042878.D
Acq: 17 Sep 2019 21:56

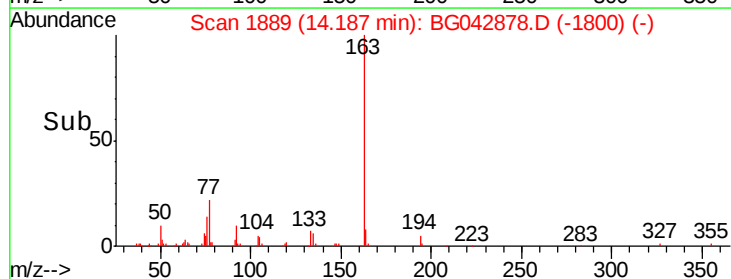
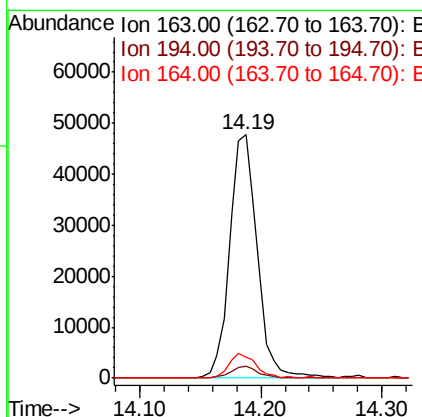
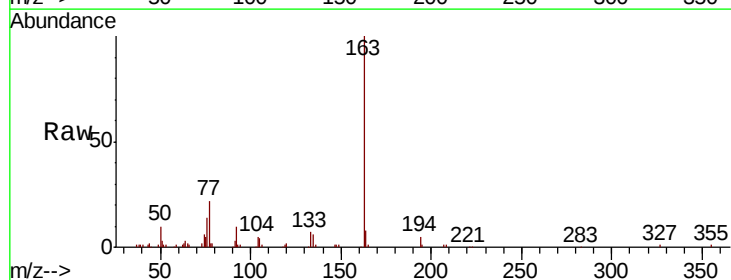
Instrument :
BNA_G
ClientSampleId :

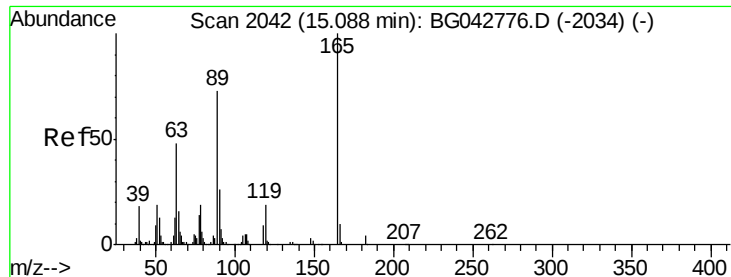
Tot Ion:	172	Resp:	708656
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	24.1	19.1	28.7



#50
Dimethylphthalate
Concen: 6.259 ng
RT: 14.19 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BG042878.D
Acq: 17 Sep 2019 21:56

Tgt Ion:	163	Resp:	75856
Ion	Ratio	Lower	Upper
163	100		
194	5.0	4.2	6.4
164	8.5	8.4	12.6

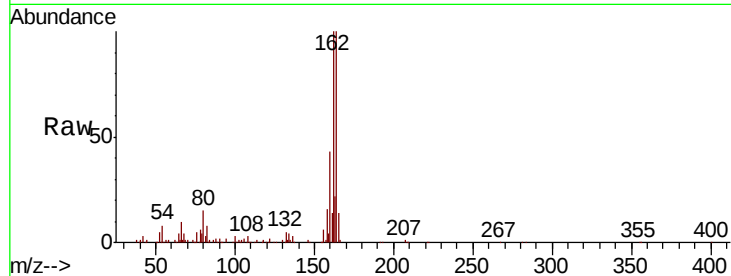




#57
 2,4-Dinitrotoluene
 Concen: 6.777 ng
 RT: 14.72 min Scan# 1980
 Delta R.T. -0.37 min
 Lab File: BG042878.D
 Acq: 17 Sep 2019 21:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	38.3	57.5#
89	1.7	58.4	87.6#
182	0.0	2.9	4.3#

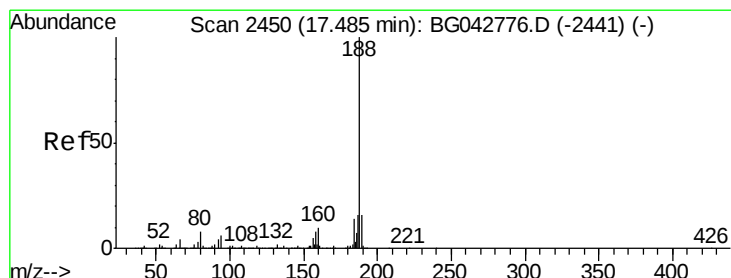
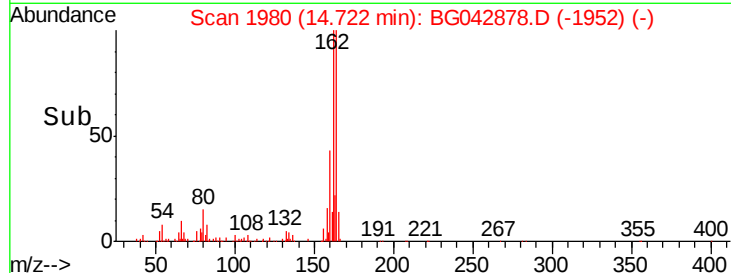
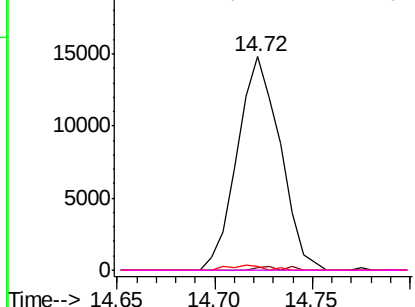


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

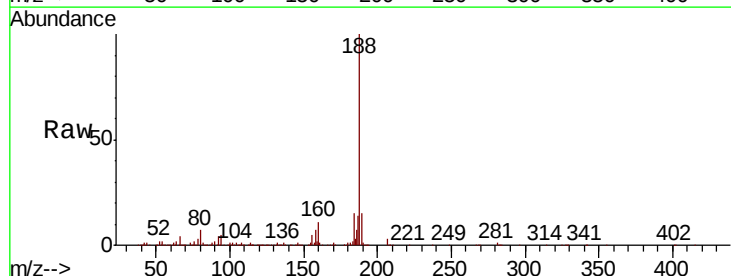
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2447
 Delta R.T. -0.02 min
 Lab File: BG042878.D
 Acq: 17 Sep 2019 21:56

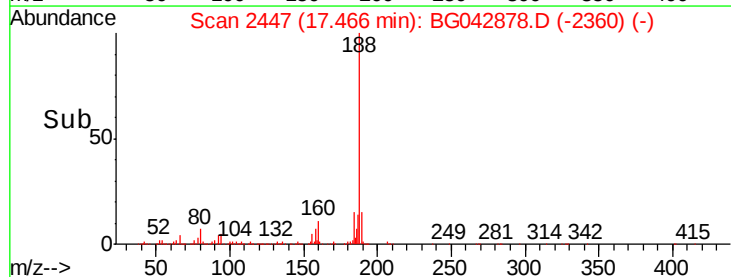
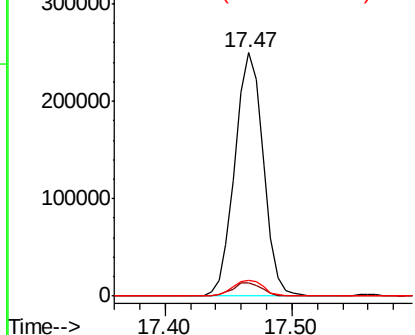
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	4.8	7.2
80	6.5	6.6	9.8#

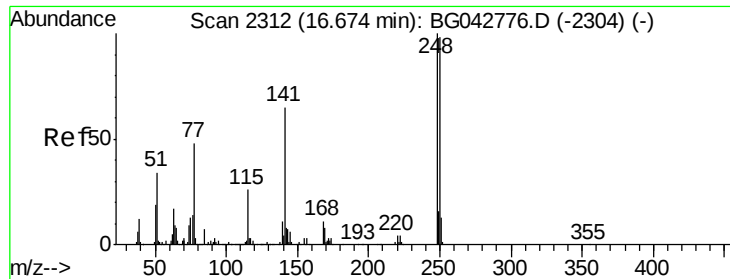


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

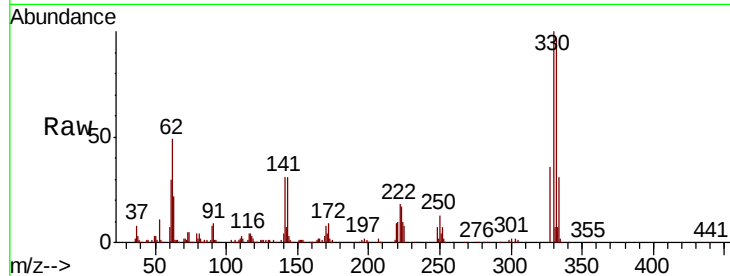




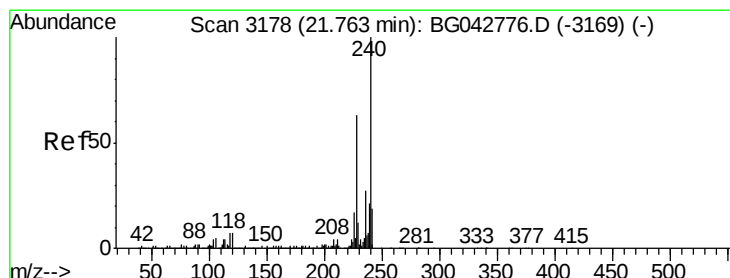
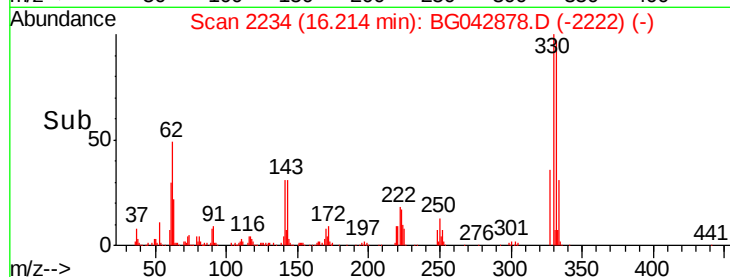
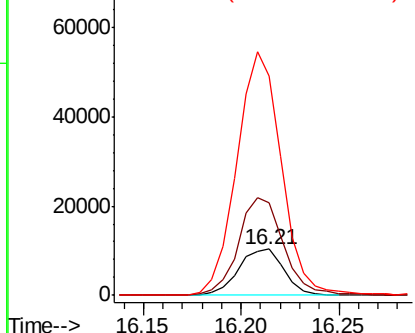
#67
4-Bromophenyl-phenylether
Concen: 3.567 ng
RT: 16.21 min Scan# 2234
Delta R.T. -0.46 min
Lab File: BG042878.D
Acq: 17 Sep 2019 21:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16741
Ion Ratio Lower Upper
248 100
250 199.2 78.0 117.0#
141 475.7 51.8 77.6#

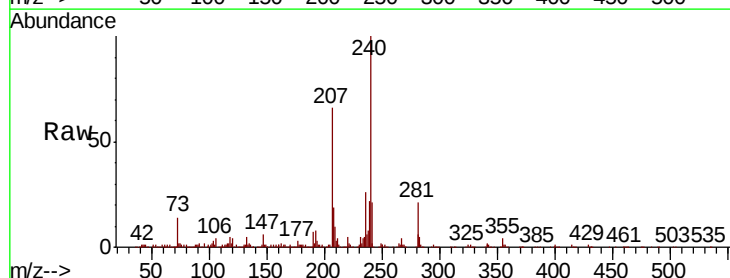


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

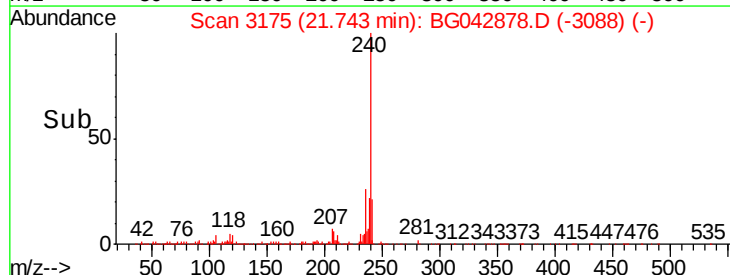
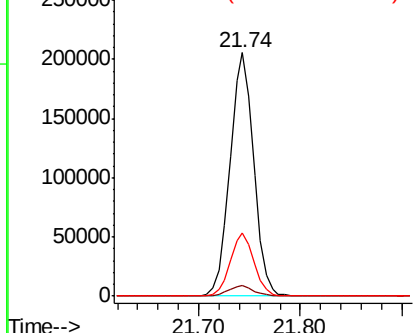


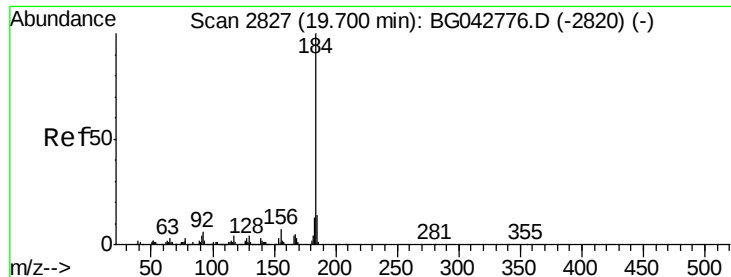
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.02 min
Lab File: BG042878.D
Acq: 17 Sep 2019 21:56

Tgt Ion:240 Resp: 332986
Ion Ratio Lower Upper
240 100
120 4.4 5.4 8.2#
236 25.9 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: 2.189 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.37 min

Lab File: BG042878.D

Acq: 17 Sep 2019 21:56

Instrument :

BNA_G

ClientSampleId :

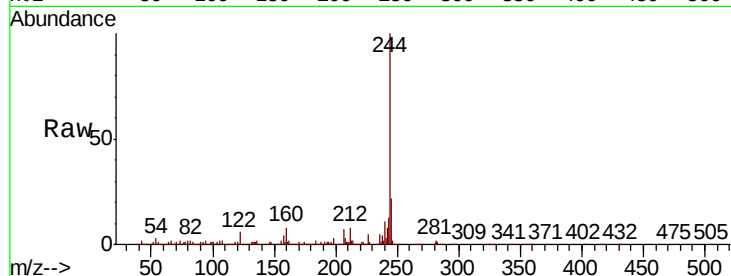
Tot Ion:184 Resp: 20361

Ion Ratio Lower Upper

184 100

185 16.3 11.6 17.4

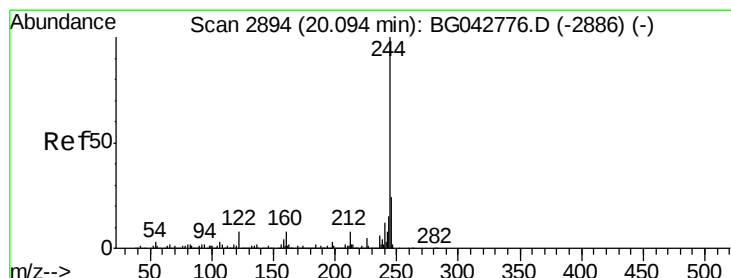
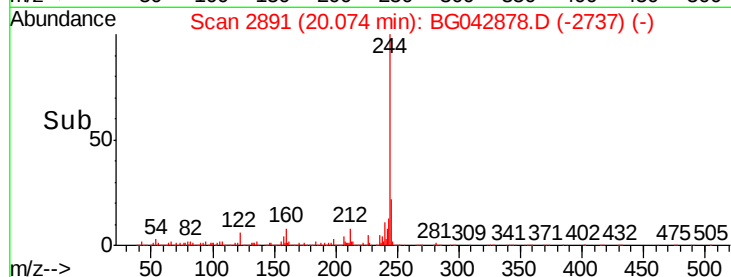
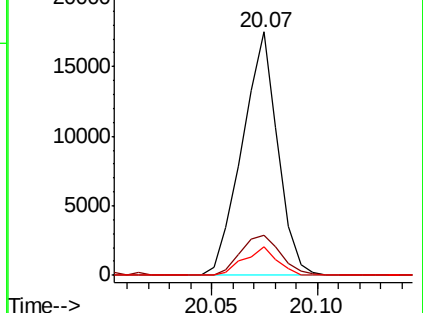
183 11.6 10.4 15.6



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: 75.450 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG042878.D

Acq: 17 Sep 2019 21:56

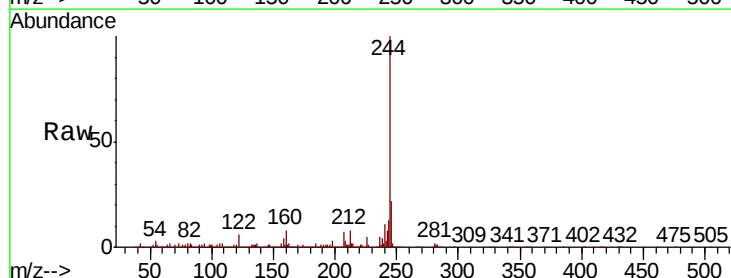
Tgt Ion:244 Resp: 1133596

Ion Ratio Lower Upper

244 100

212 8.1 6.6 10.0

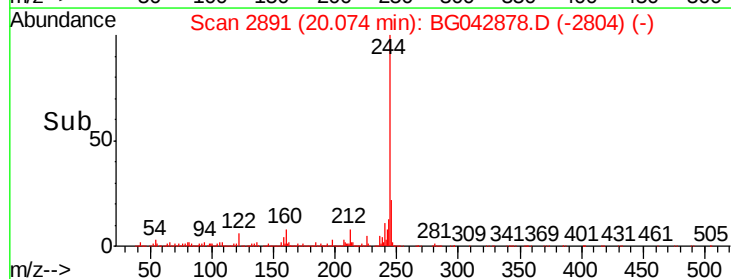
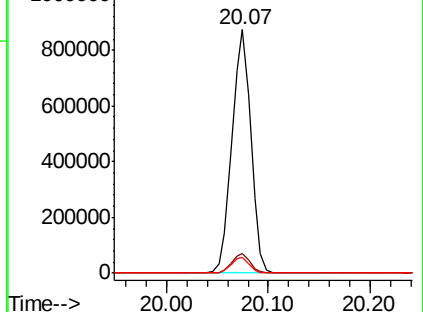
122 6.3 6.2 9.4

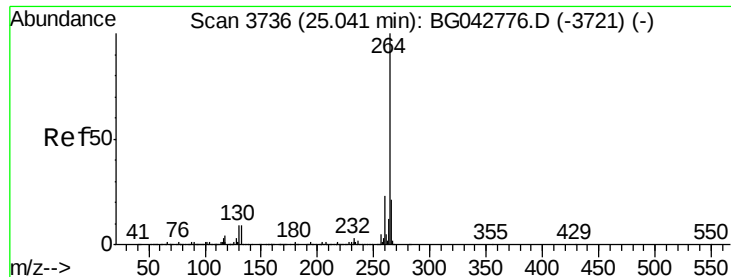


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.00 min Scan# 3730
Delta R.T. -0.04 min
Lab File: BG042878.D
Acq: 17 Sep 2019 21:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.2
265	25.5	16.9	25.3

