

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
 Data File : BG042858.D
 Acq On : 16 Sep 2019 21:06
 Operator : HP/JU
 Sample : K4851-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 01:21:22 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

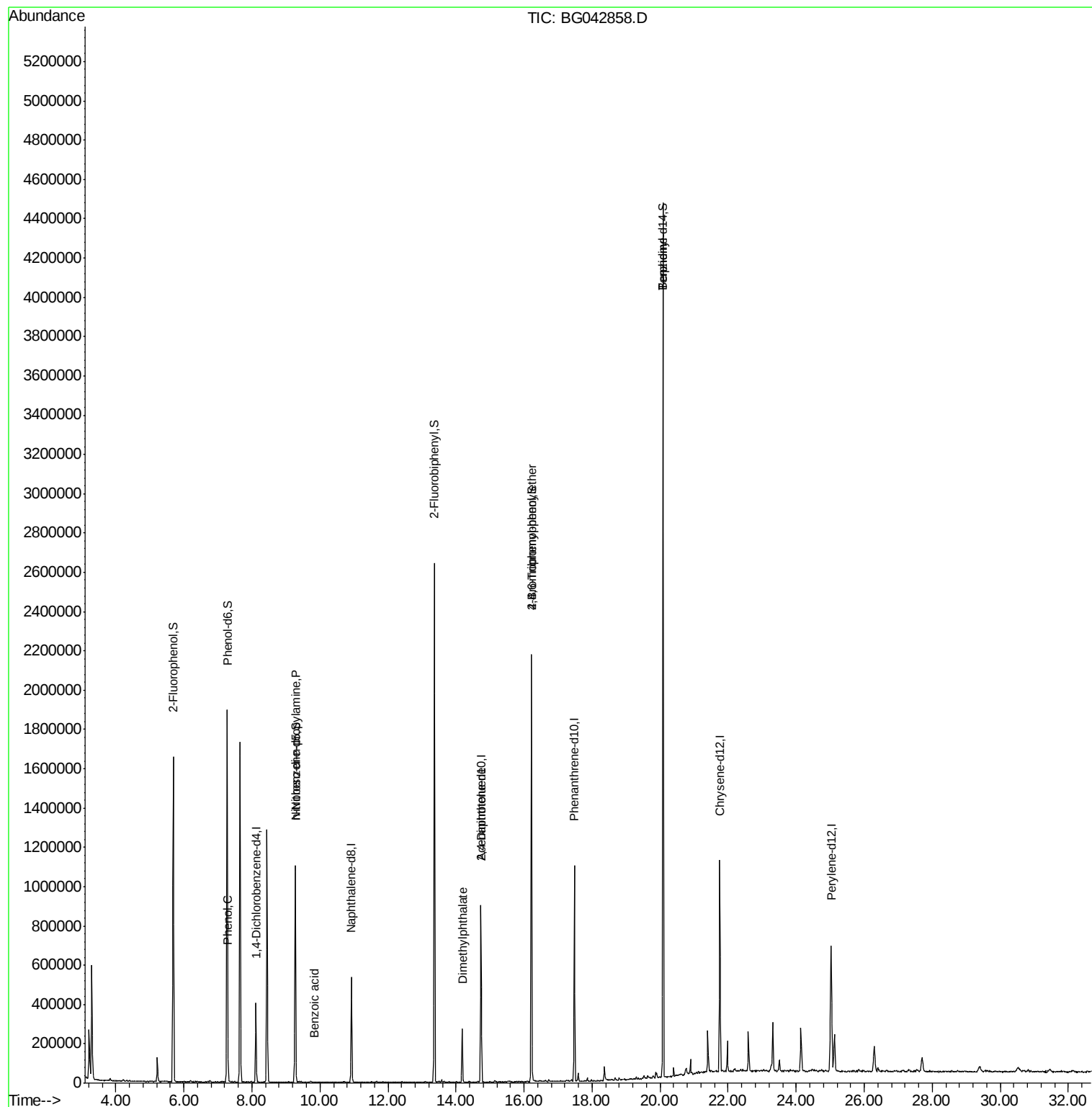
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	112549	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	449946	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	306110	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	671199	20.00	ng	0.00
76) Chrysene-d12	21.76	240	655701	20.00	ng	0.00
87) Perylene-d12	25.03	264	723817	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	668681	103.29	ng	0.00
7) Phenol-d6	7.27	99	1076984	115.90	ng	0.00
23) Nitrobenzene-d5	9.28	82	697018	80.65	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	419267	102.95	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1449897	74.98	ng	0.00
79) Terphenyl-d14	20.08	244	2131306	72.04	ng	-0.01
Target Compounds						
10) Phenol	7.30	94	47296	4.963	ng	86
19) n-Nitroso-di-n-propylamine	9.28	70	94953	13.868	ng	# 69
32) Benzoic acid	9.83	122	57	5.974	ng	# 1
50) Dimethylphthalate	14.18	163	182330	7.951	ng	97
57) 2,4-Dinitrotoluene	14.73	165	41032	6.542	ng	# 23
67) 4-Bromophenyl-phenylether	16.22	248	29476	3.628	ng	# 1
77) Benzidine	20.08	184	37146	2.028	ng	# 96

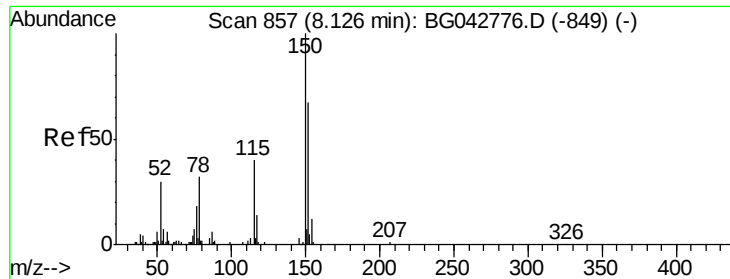
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration



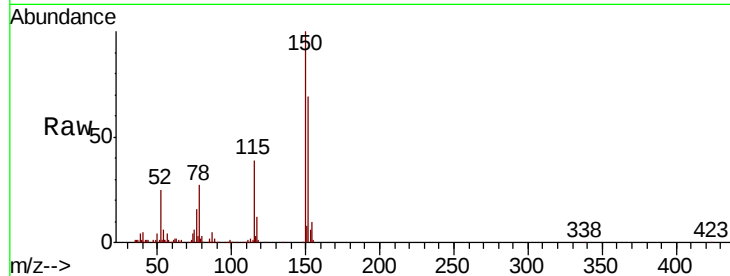


#1

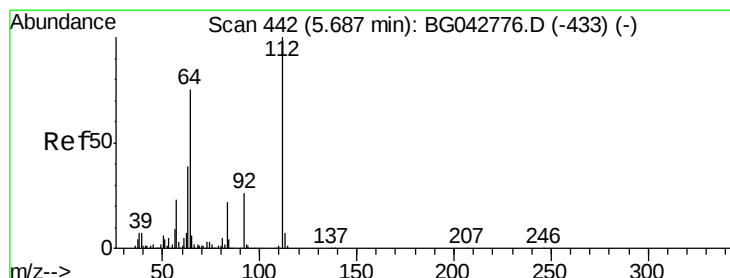
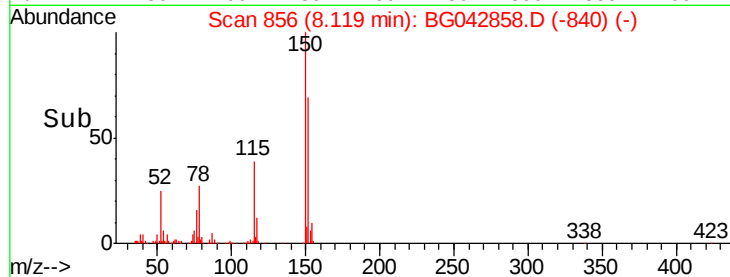
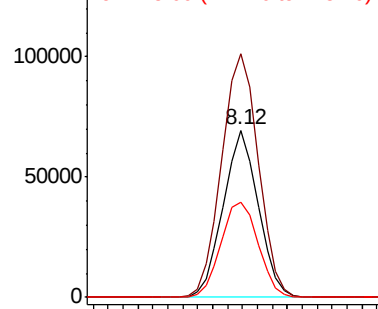
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042858.D
Acq: 16 Sep 2019 21:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.7	118.9	178.3
115	57.3	47.4	71.2



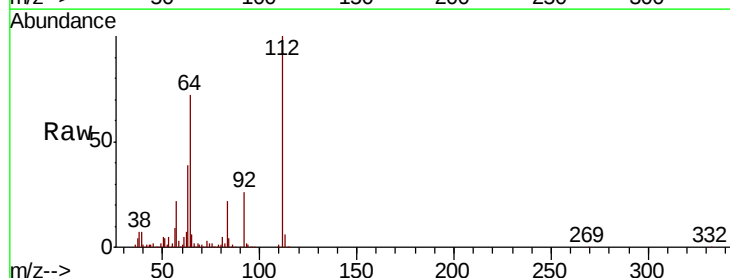
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



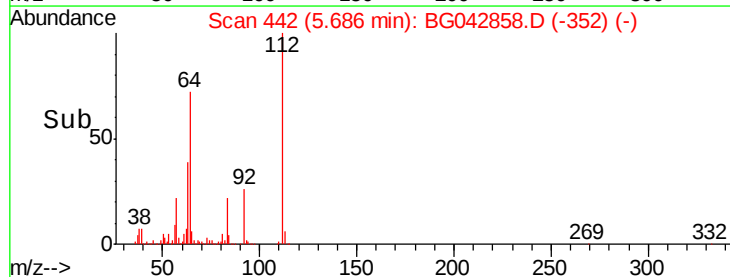
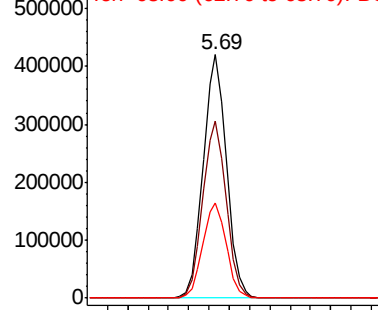
#5

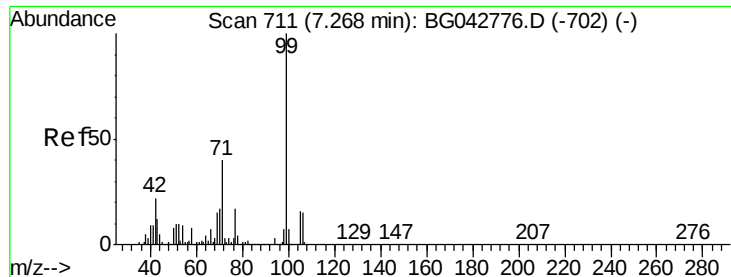
2-Fluorophenol
Concen: 103.291 ng
RT: 5.69 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042858.D
Acq: 16 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.5	60.2	90.2
63	39.0	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: 115.904 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG042858.D

Acq: 16 Sep 2019 21:06

Instrument :

BNA_G

ClientSampled :

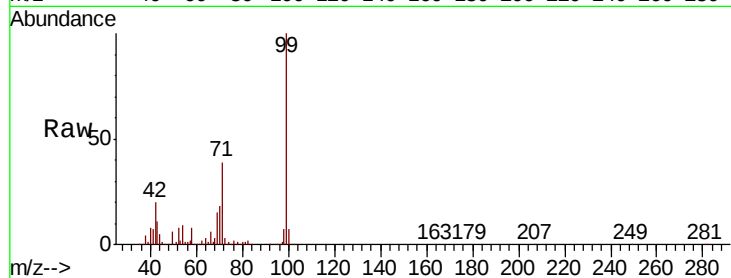
Tot Ion: 99 Resp: 1076984

Ion Ratio Lower Upper

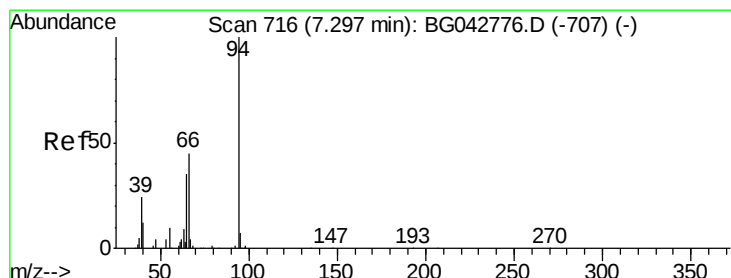
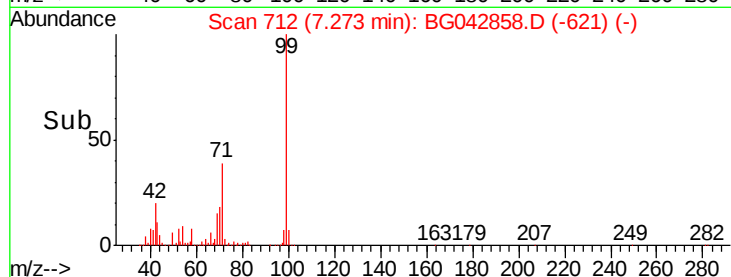
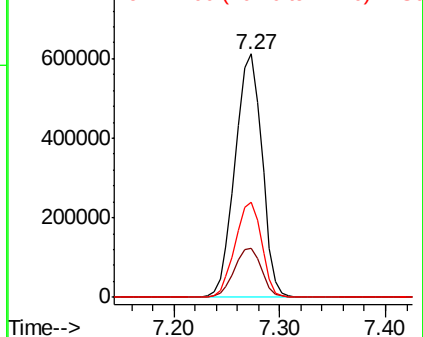
99 100

42 20.2 17.5 26.3

71 39.0 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



#10

Phenol

Concen: 4.963 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG042858.D

Acq: 16 Sep 2019 21:06

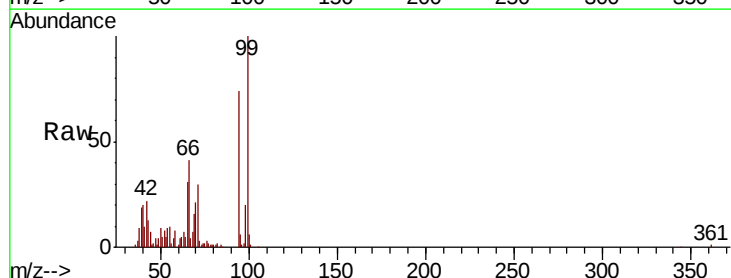
Tgt Ion: 94 Resp: 47296

Ion Ratio Lower Upper

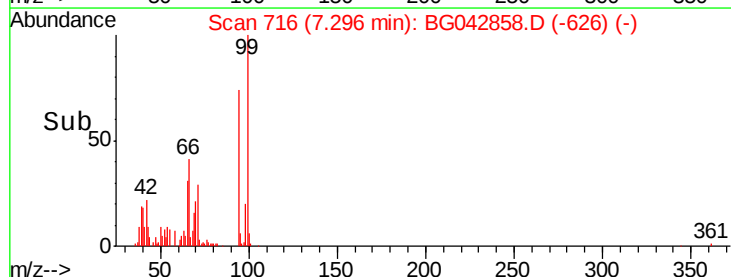
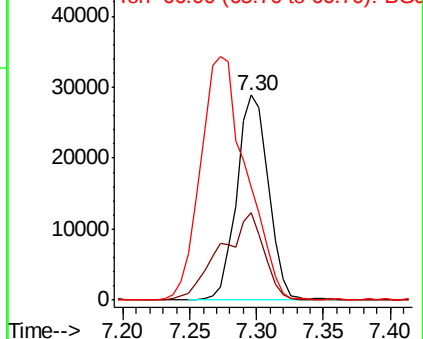
94 100

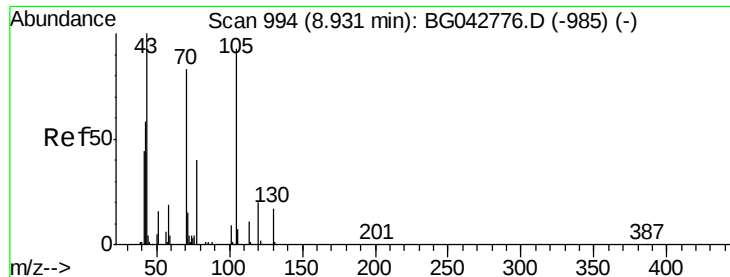
65 42.7 15.0 55.0

66 55.2 26.1 66.1



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

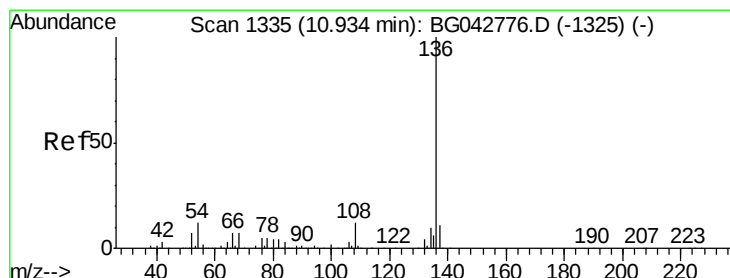
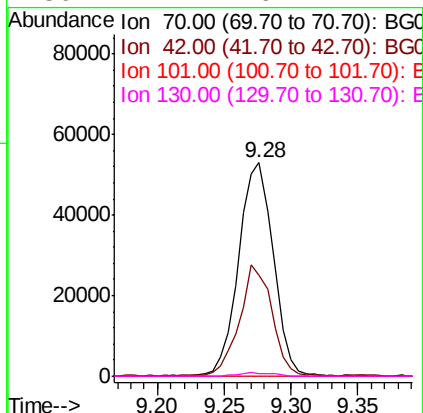
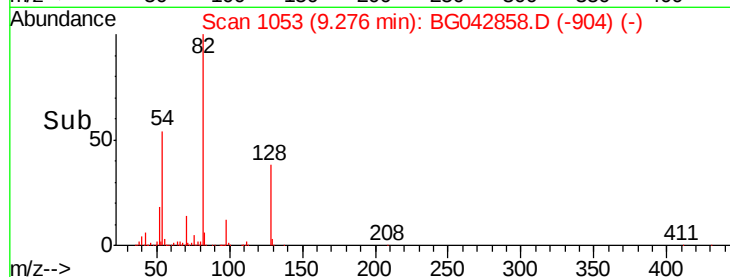
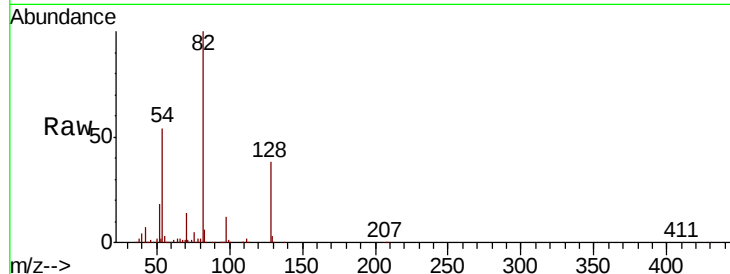




#19
n-Nitroso-di-n-propylamine
Concen: 13.868 ng
RT: 9.28 min Scan# 1053
Delta R.T. 0.35 min
Lab File: BG042858.D
Acq: 16 Sep 2019 21:06

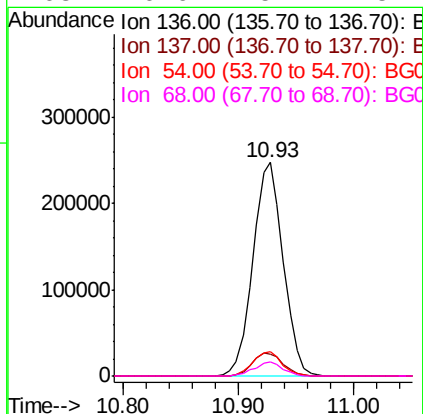
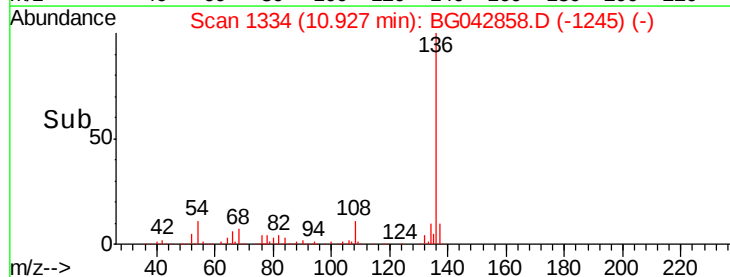
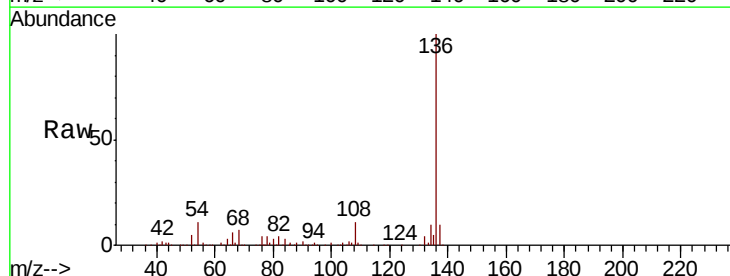
Instrument :
BNA_G
ClientSampleId :

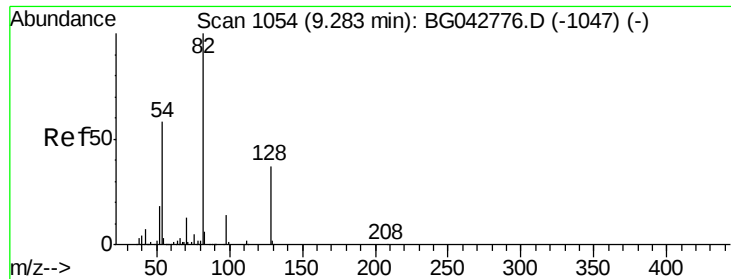
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.1	57.0	85.6#
101	0.0	8.4	12.6#
130	1.4	16.1	24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042858.D
Acq: 16 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.0	13.6
54	11.2	9.4	14.0
68	6.6	5.4	8.2

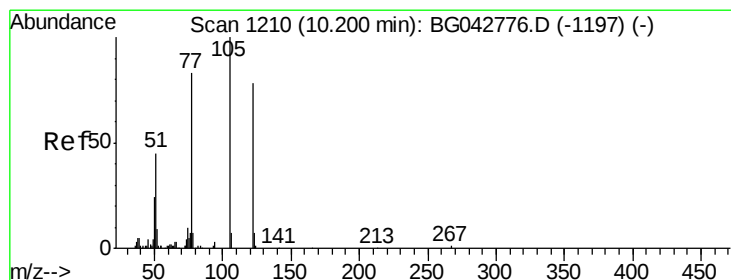
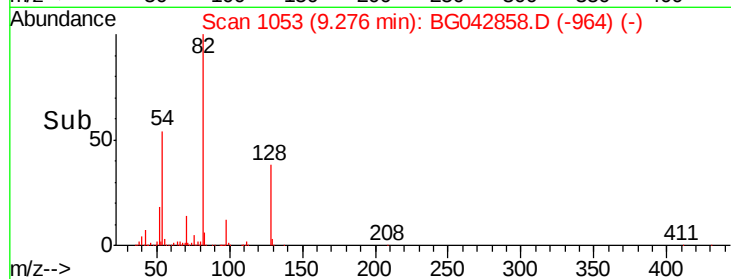
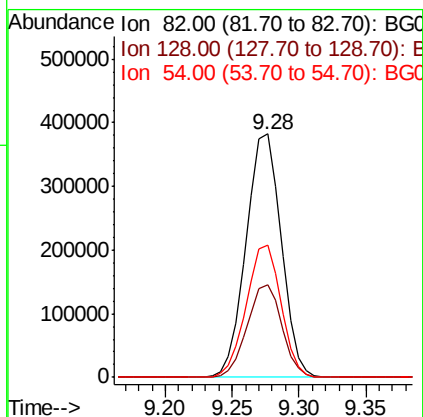
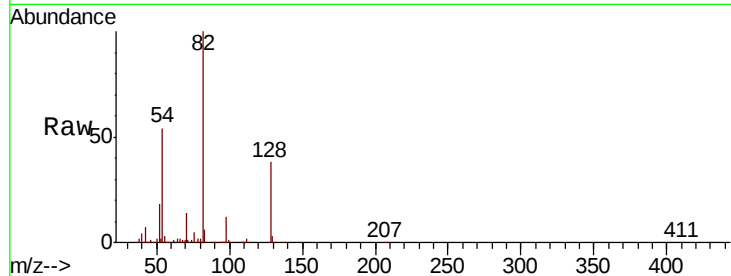




#23
Nitrobenzene-d5
Concen: 80.651 ng
RT: 9.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042858.D
Acq: 16 Sep 2019 21:06

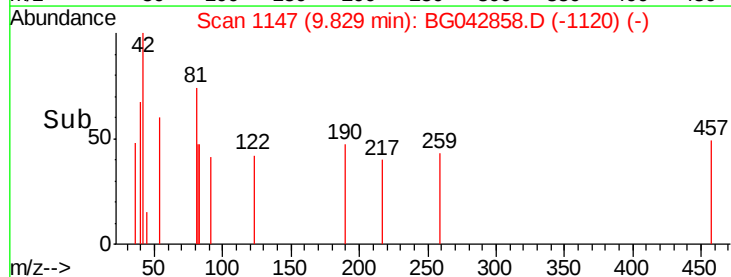
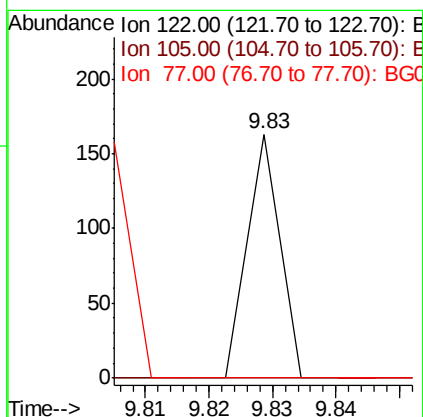
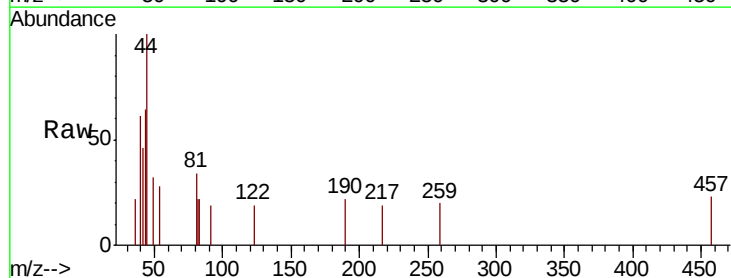
Instrument :
BNA_G
ClientSampleId :

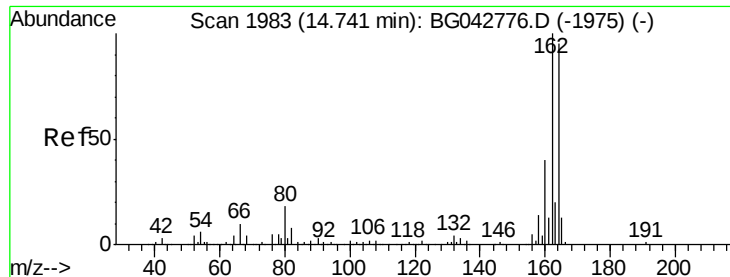
Tot Ion	82	Resp	697018
Ion Ratio	Lower	Upper	
82	100		
128	38.2	29.8	44.8
54	54.5	46.1	69.1



#32
Benzoic acid
Concen: 5.974 ng
RT: 9.83 min Scan# 1147
Delta R.T. -0.37 min
Lab File: BG042858.D
Acq: 16 Sep 2019 21:06

Tgt Ion	122	Resp	57
Ion Ratio	Lower	Upper	
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042858.D

Acq: 16 Sep 2019 21:06

Instrument :

BNA_G

ClientSampled :

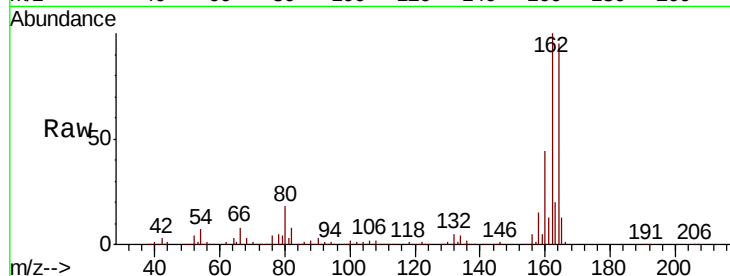
Tot Ion:164 Resp: 306110

Ion Ratio Lower Upper

164 100

162 105.0 84.6 126.8

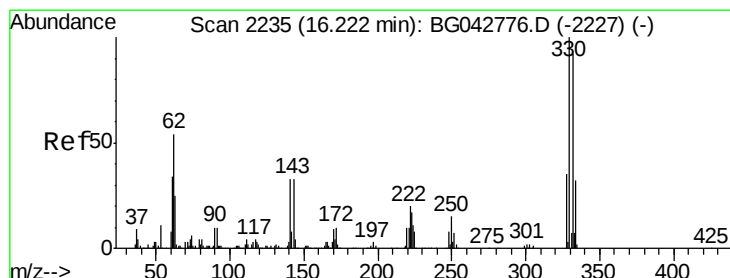
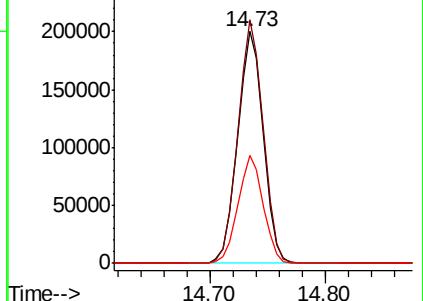
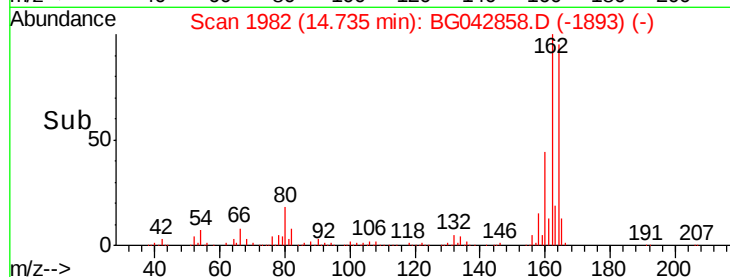
160 46.5 34.2 51.2



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: 102.949 ng

RT: 16.22 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BG042858.D

Acq: 16 Sep 2019 21:06

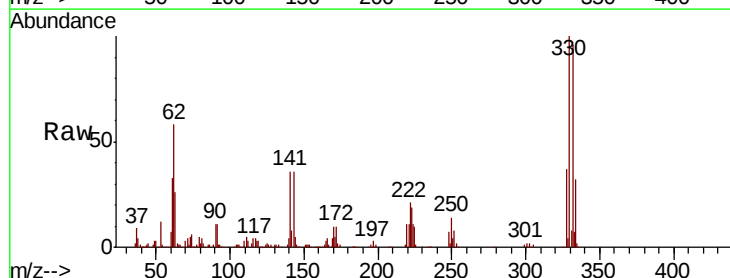
Tgt Ion:330 Resp: 419267

Ion Ratio Lower Upper

330 100

332 96.2 76.7 115.1

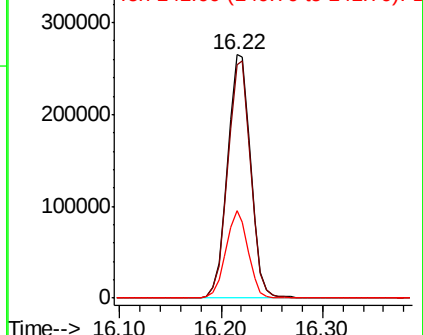
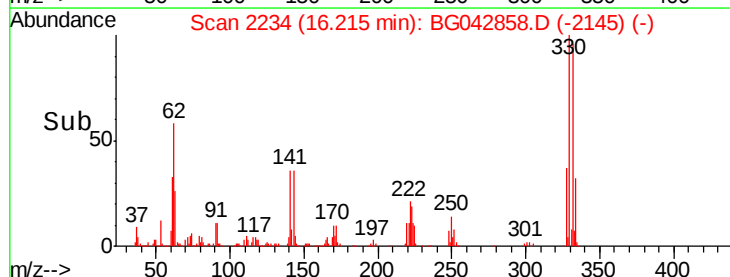
141 34.6 27.0 40.6

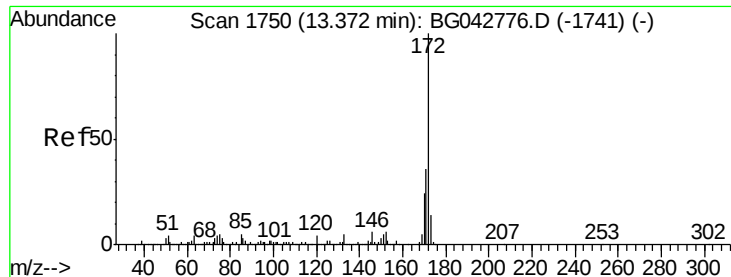


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

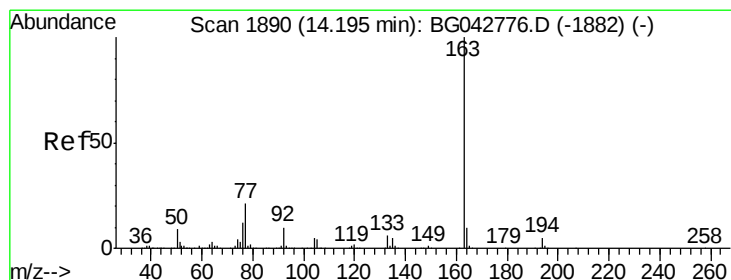
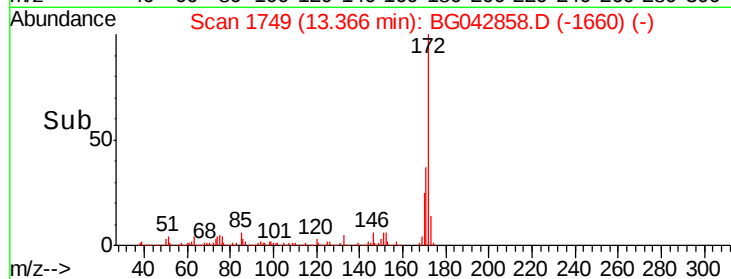
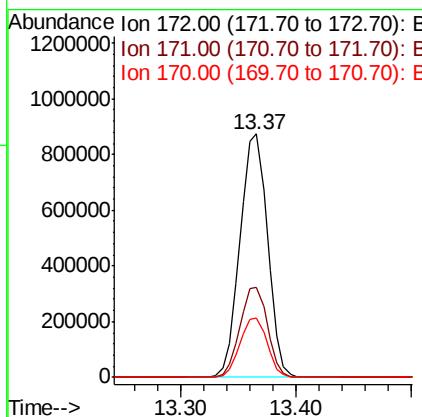
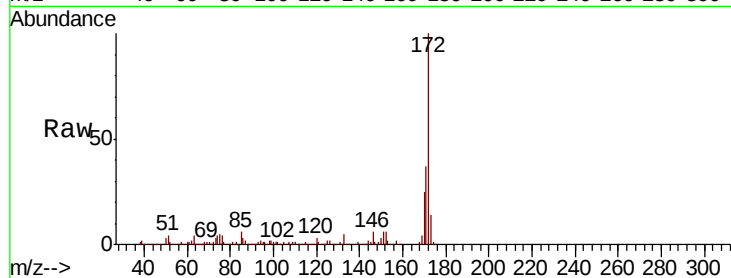




#45
2-Fluorobiphenyl
Concen: 74.976 ng
RT: 13.37 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BG042858.D
Acq: 16 Sep 2019 21:06

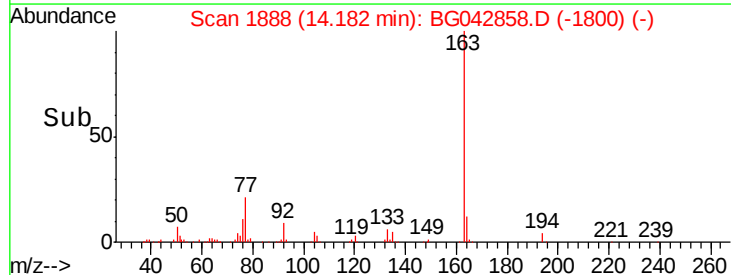
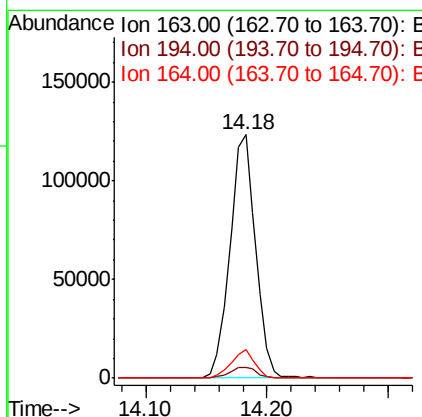
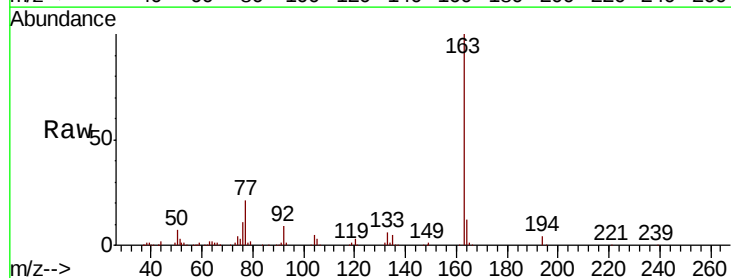
Instrument :
BNA_G
ClientSampled :

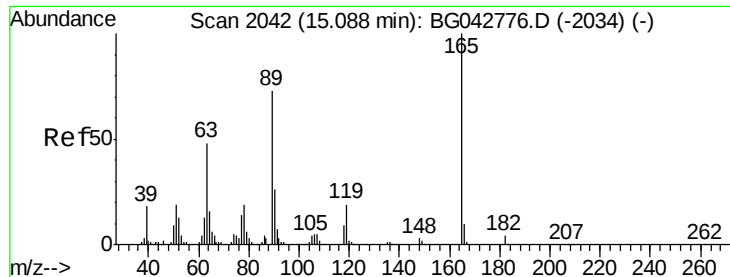
Tot Ion:172 Resp: 1449897
Ion Ratio Lower Upper
172 100
171 37.2 28.9 43.3
170 24.6 19.1 28.7



#50
Dimethylphthalate
Concen: 7.951 ng
RT: 14.18 min Scan# 1888
Delta R.T. -0.01 min
Lab File: BG042858.D
Acq: 16 Sep 2019 21:06

Tgt Ion:163 Resp: 182330
Ion Ratio Lower Upper
163 100
194 4.3 4.2 6.4
164 11.7 8.4 12.6

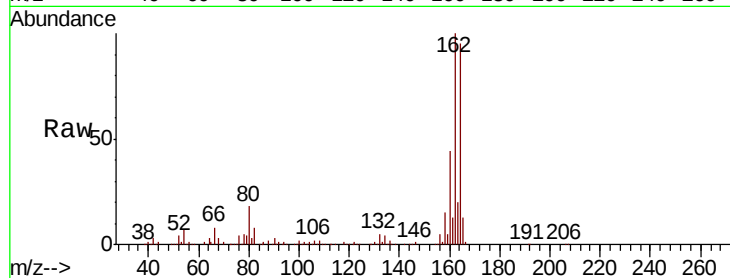




#57
 2,4-Dinitrotoluene
 Concen: 6.542 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.35 min
 Lab File: BG042858.D
 Acq: 16 Sep 2019 21:06

Instrument :
 BNA_G
 ClientSampleId :

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



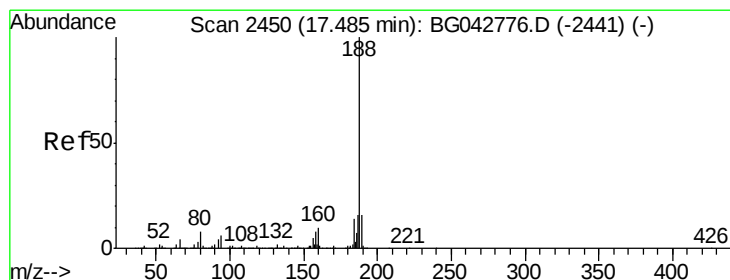
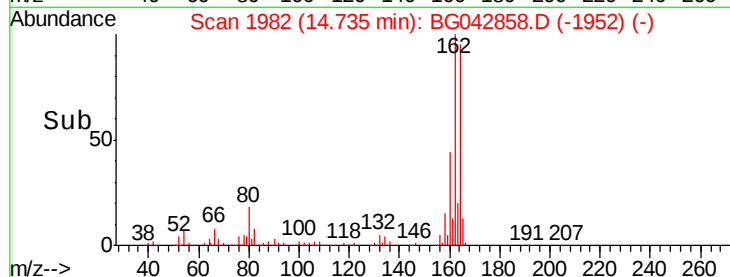
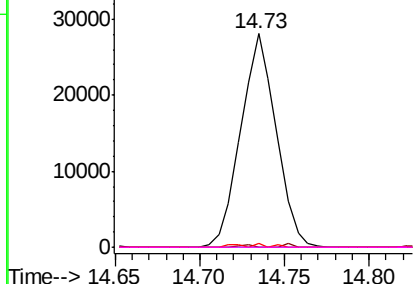
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

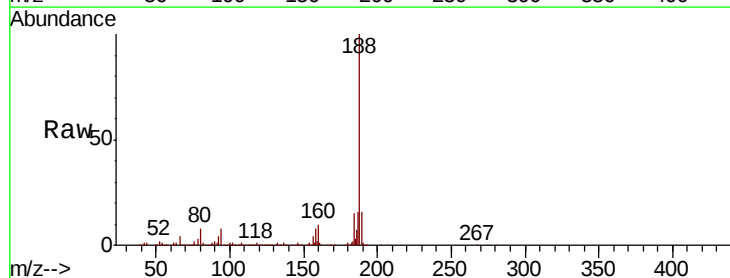
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2449
 Delta R.T. -0.01 min
 Lab File: BG042858.D
 Acq: 16 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	4.8	7.2#
80	8.2	6.6	9.8

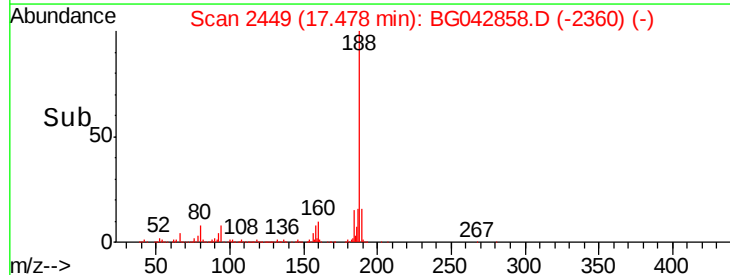
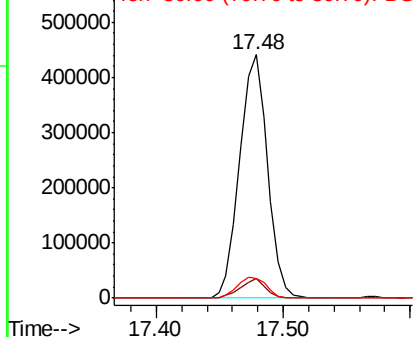


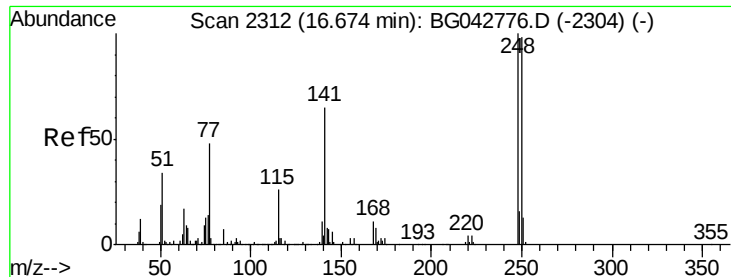
Abundance

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

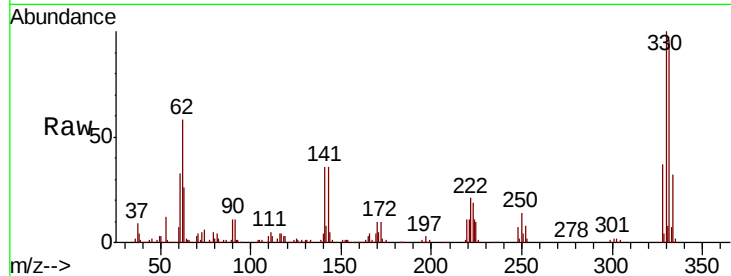




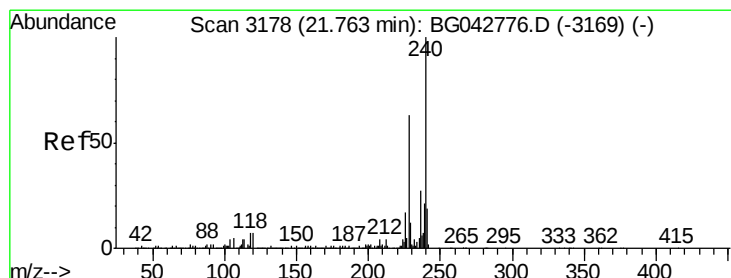
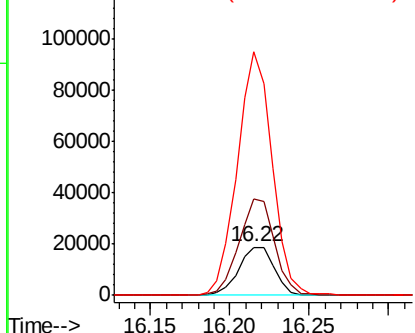
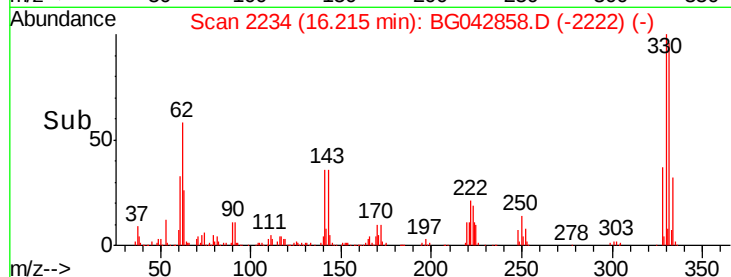
#67
 4-Bromophenyl-phenylether
 Concen: 3.628 ng
 RT: 16.22 min Scan# 2234
 Delta R.T. -0.46 min
 Lab File: BG042858.D
 Acq: 16 Sep 2019 21:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 29476
 Ion Ratio Lower Upper
 248 100
 250 202.3 78.0 117.0#
 141 509.5 51.8 77.6#

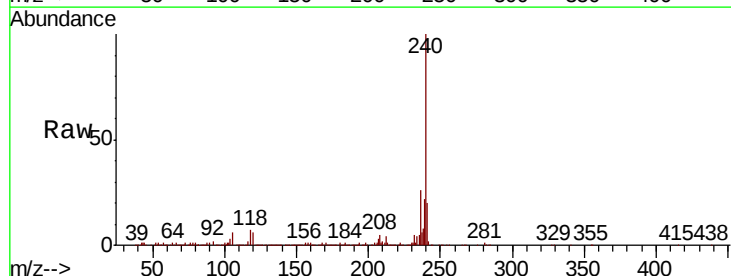


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

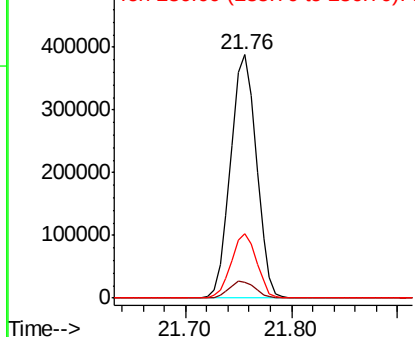
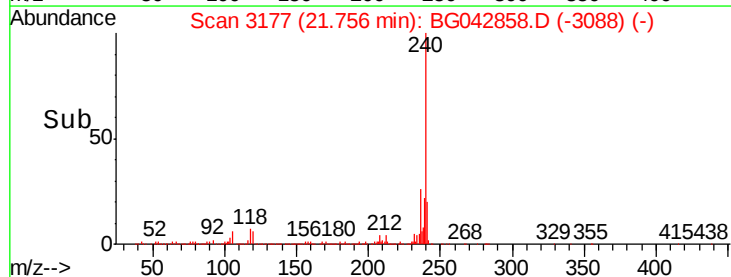


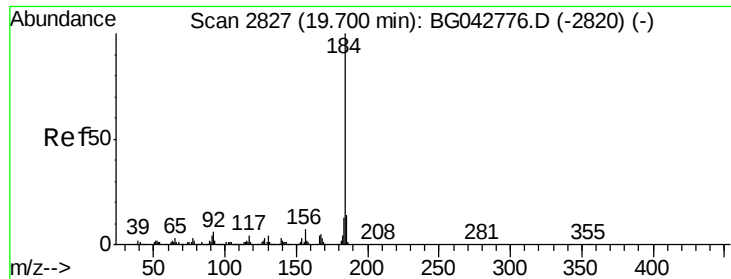
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3177
 Delta R.T. -0.01 min
 Lab File: BG042858.D
 Acq: 16 Sep 2019 21:06

Tgt Ion:240 Resp: 655701
 Ion Ratio Lower Upper
 240 100
 120 6.4 5.4 8.2
 236 26.2 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: 2.028 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.38 min

Lab File: BG042858.D

Acq: 16 Sep 2019 21:06

Instrument :

BNA_G

ClientSampleId :

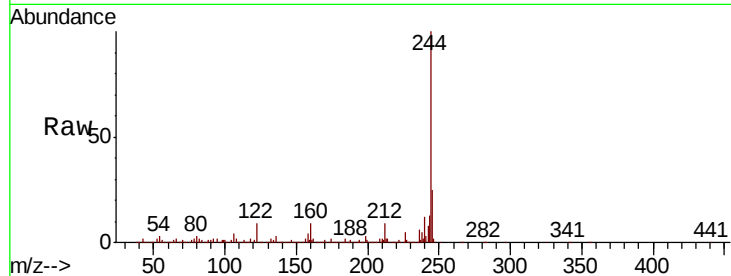
Tot Ion:184 Resp: 37146

Ion Ratio Lower Upper

184 100

185 13.9 11.6 17.4

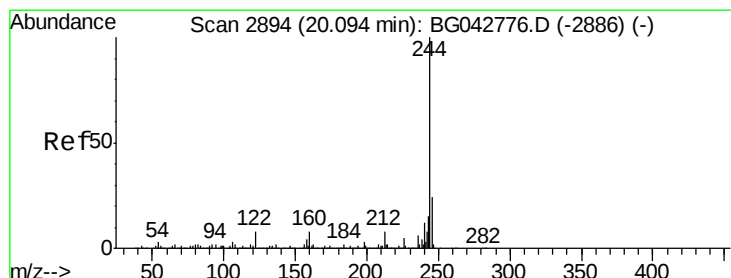
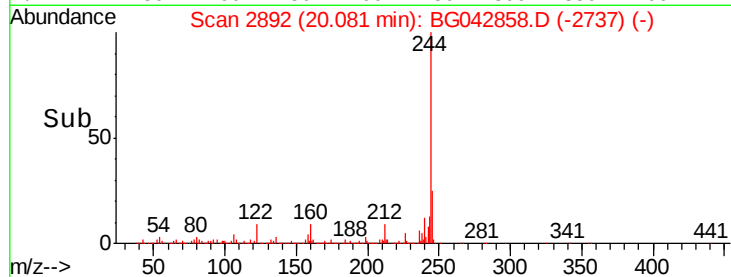
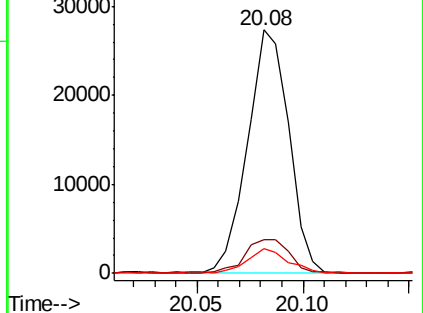
183 10.2 10.4 15.6#



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: 72.038 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042858.D

Acq: 16 Sep 2019 21:06

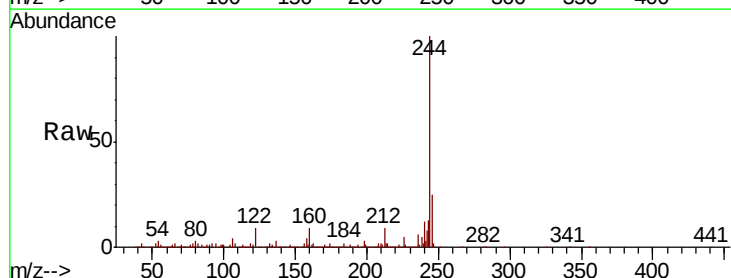
Tgt Ion:244 Resp: 2131306

Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

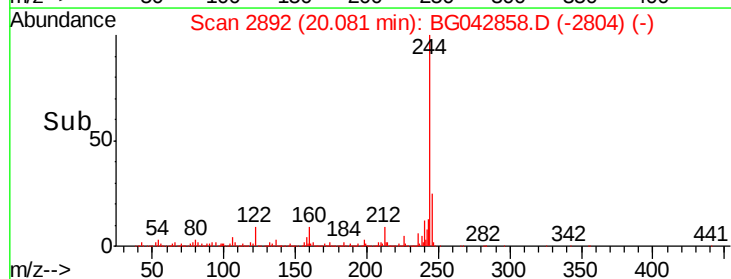
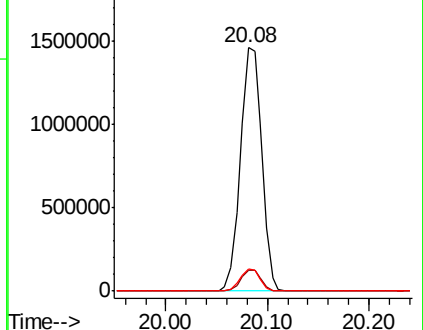
122 9.2 6.2 9.4

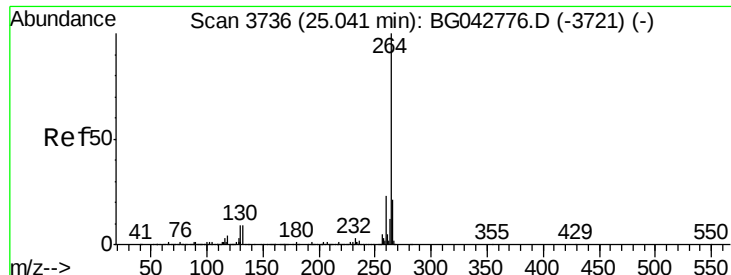


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.03 min Scan# 3734
 Delta R.T. -0.01 min
 Lab File: BG042858.D
 Acq: 16 Sep 2019 21:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	22.1	16.9	25.3

