

Data File : BG044148.D
Acq On : 22 Jan 2020 00:32
Operator : JU
Sample : L1202-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F1-F2-(SETTLED)

Quant Time: Jan 22 06:51:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

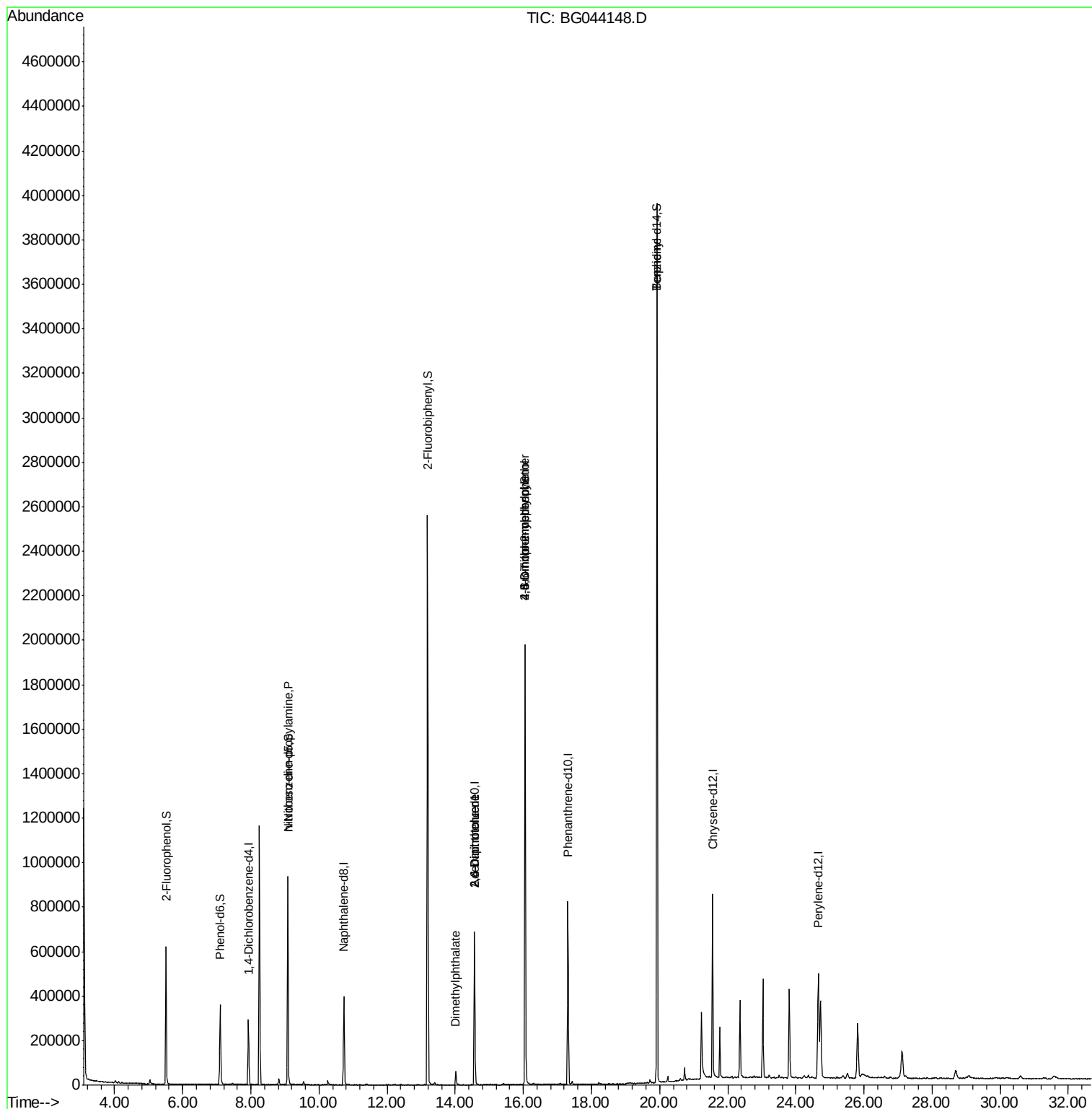
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	85966	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	372659	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	253424	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	532302	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	454045	20.00	ng	-0.03
87) Perylene-d12	24.66	264	504694	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	302052	64.51	ng	-0.03
7) Phenol-d6	7.10	99	243636	37.23	ng	-0.02
23) Nitrobenzene-d5	9.09	82	599358	86.04	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	380890	143.62	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1383979	98.94	ng	-0.03
79) Terphenyl-d14	19.92	244	1858570	104.64	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	77245	15.849	ng	# 80
50) Dimethylphthalate	14.02	163	49648	2.759	ng	# 95
51) 2,6-Dinitrotoluene	14.56	165	32970	8.107	ng	# 26
57) 2,4-Dinitrotoluene	14.56	165	32970	5.958	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.06	198	1243	4.802	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	27353	4.569	ng	# 1
77) Benzidine	19.92	184	32723	2.867	ng	# 92

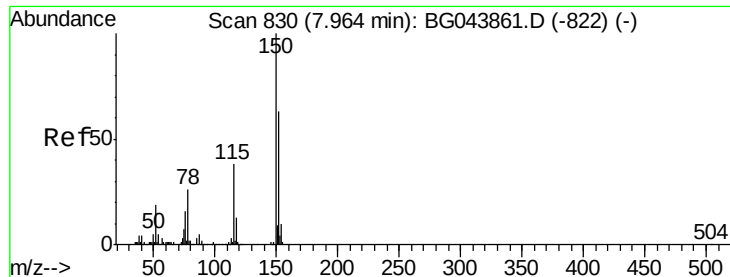
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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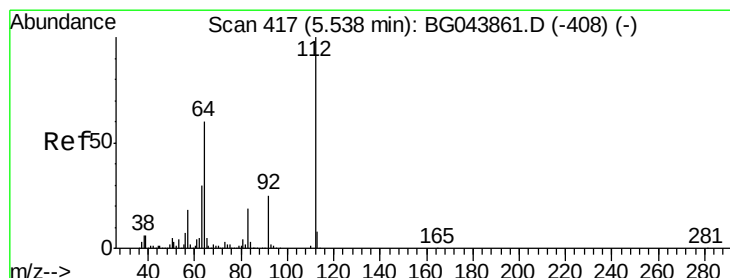
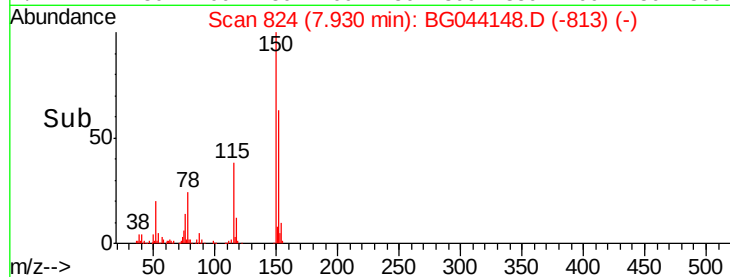
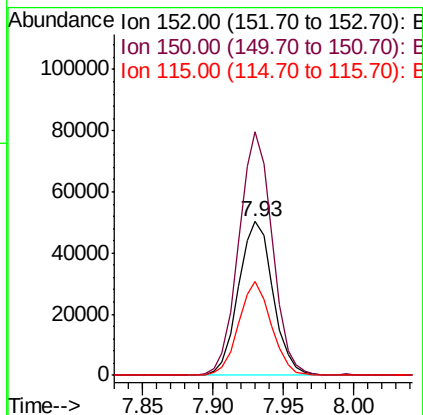
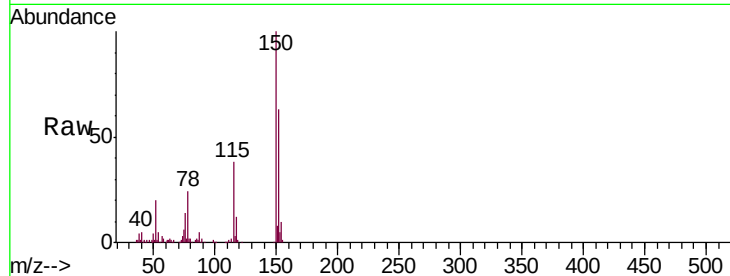


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044148.D
Acq: 22 Jan 2020 00:32

Instrument :
BNA_G
ClientSampleId :
F1-F2-(SETTLED)

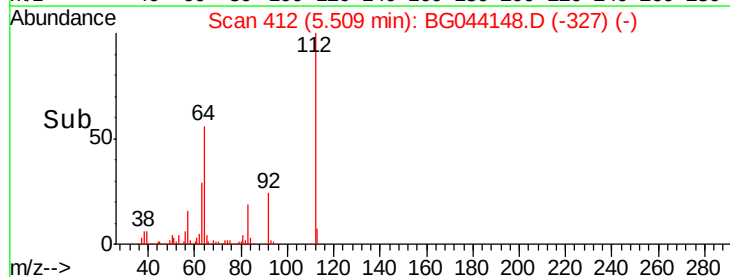
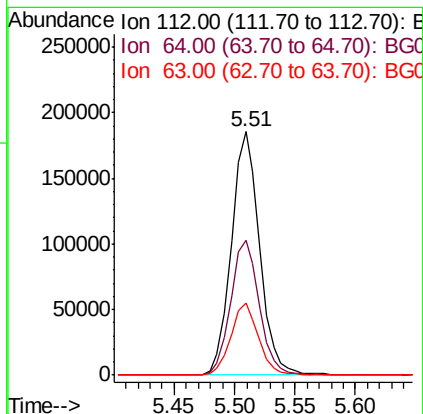
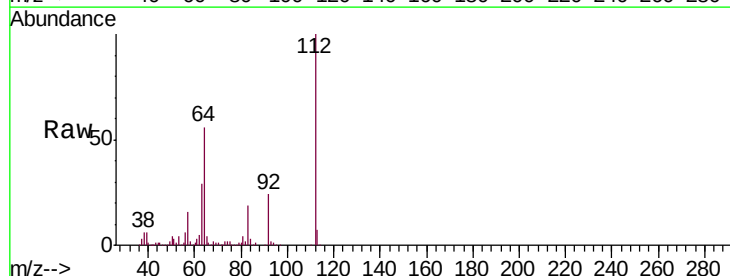
Tgt Ion:152 Resp: 85966
Ion Ratio Lower Upper
152 100
150 158.5 127.0 190.4
115 60.7 47.8 71.8

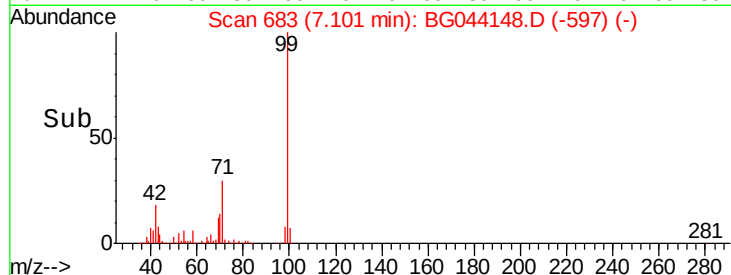
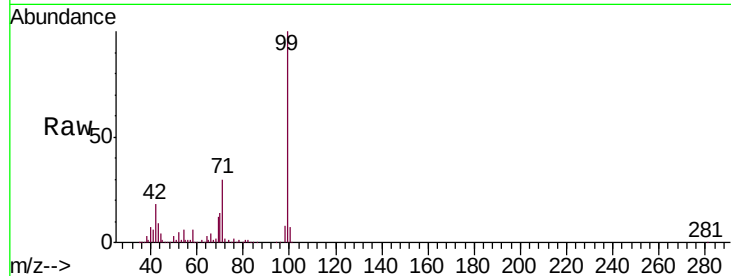
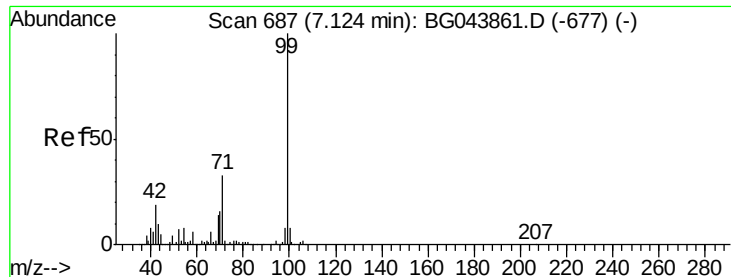


#5

2-Fluorophenol
Concen: 64.514 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044148.D
Acq: 22 Jan 2020 00:32

Tgt Ion:112 Resp: 302052
Ion Ratio Lower Upper
112 100
64 55.5 47.8 71.6
63 29.4 24.3 36.5





#7

Phenol-d6

Concen: 37.228 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044148.D

Acq: 22 Jan 2020 00:32

Instrument :

BNA_G

ClientSampleId :

F1-F2-(SETTLED)

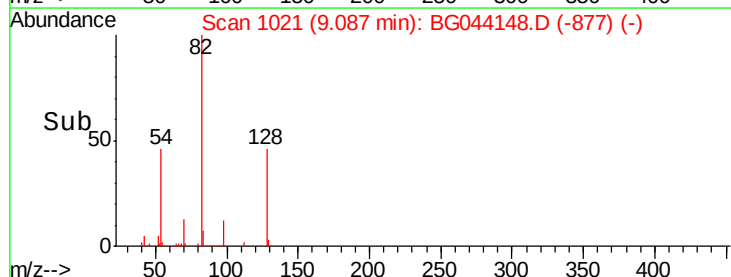
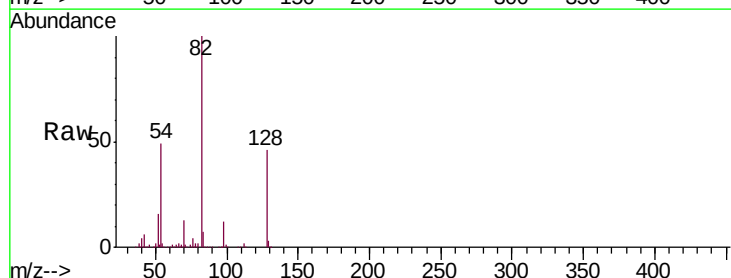
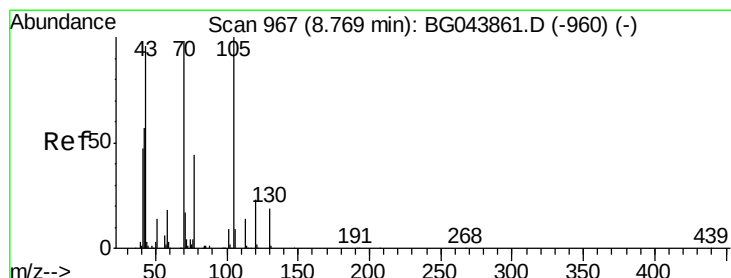
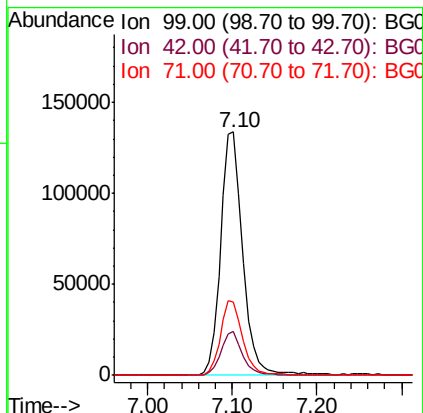
Tgt Ion: 99 Resp: 243636

Ion Ratio Lower Upper

99 100

42 18.0 14.9 22.3

71 30.2 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.849 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044148.D

Acq: 22 Jan 2020 00:32

Tgt Ion: 70 Resp: 77245

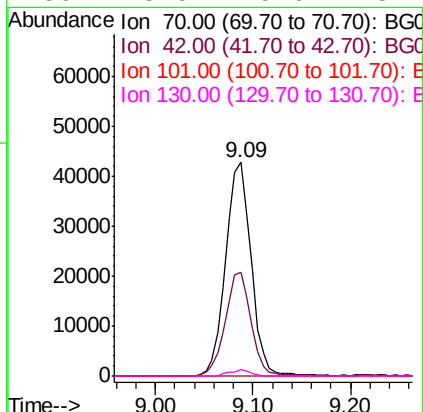
Ion Ratio Lower Upper

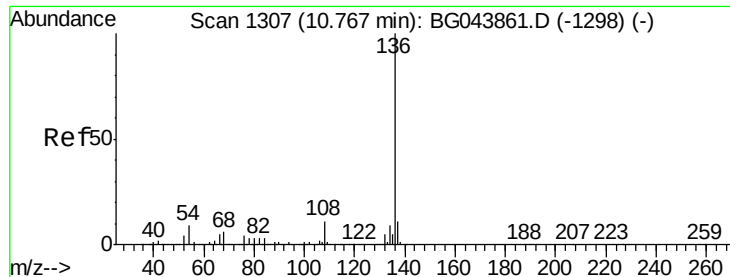
70 100

42 48.4 47.0 70.4

101 0.0 7.2 10.8#

130 3.0 15.6 23.4#

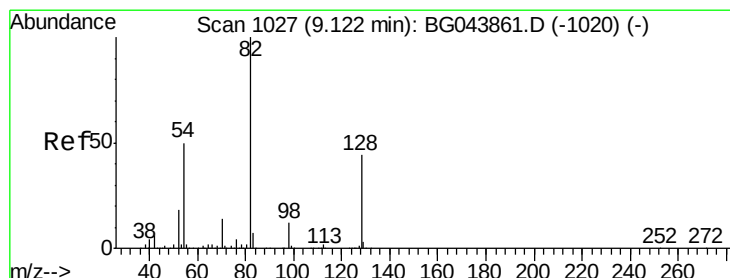
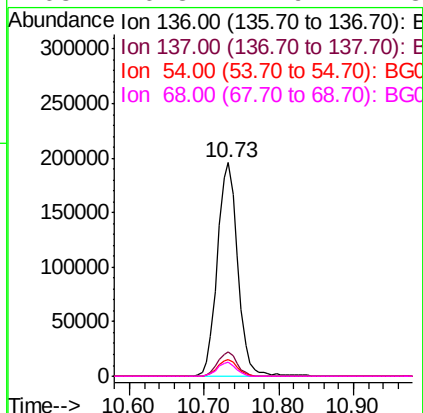
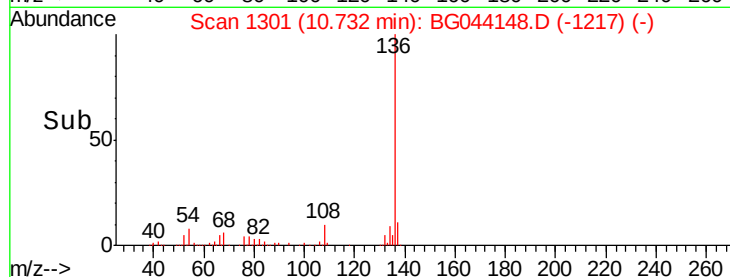
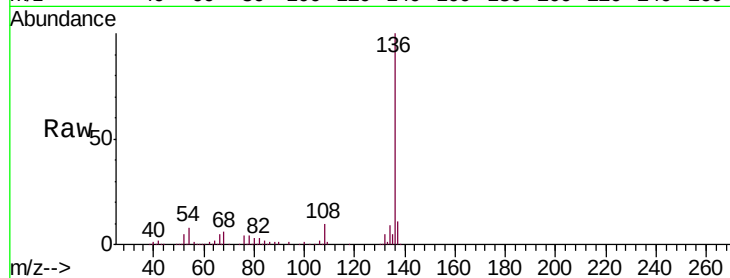




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044148.D
Acq: 22 Jan 2020 00:32

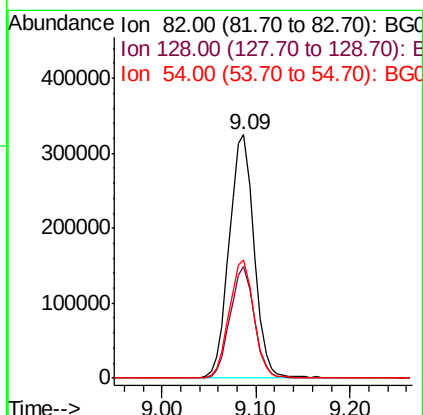
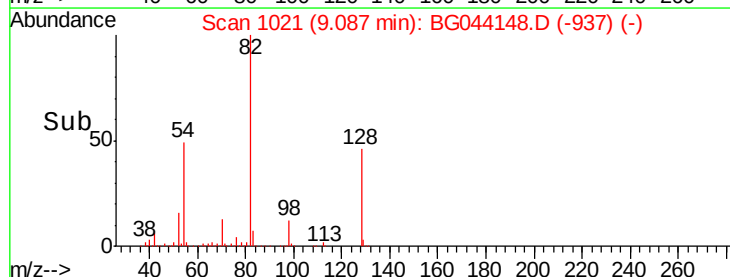
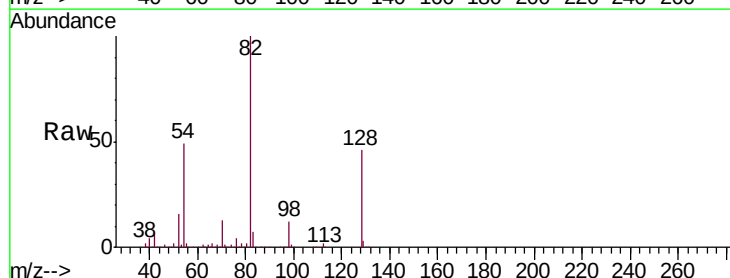
Instrument :
BNA_G
ClientSampleId :
F1-F2-(SETTLED)

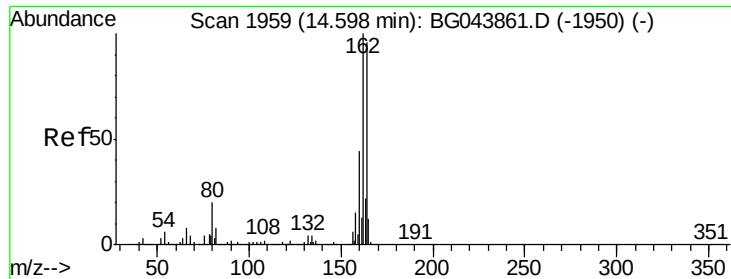
Tgt Ion:	136	Resp:	372659
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.5	7.0	10.4
68	6.3	4.9	7.3



#23
Nitrobenzene-d5
Concen: 86.039 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BG044148.D
Acq: 22 Jan 2020 00:32

Tgt Ion:	82	Resp:	599358
Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.1	52.7
54	48.6	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044148.D

Acq: 22 Jan 2020 00:32

Instrument :

BNA_G

ClientSampleId :

F1-F2-(SETTLED)

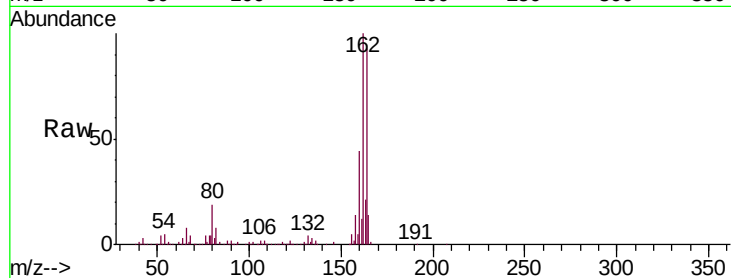
Tgt Ion:164 Resp: 253424

Ion Ratio Lower Upper

164 100

162 107.4 83.0 124.4

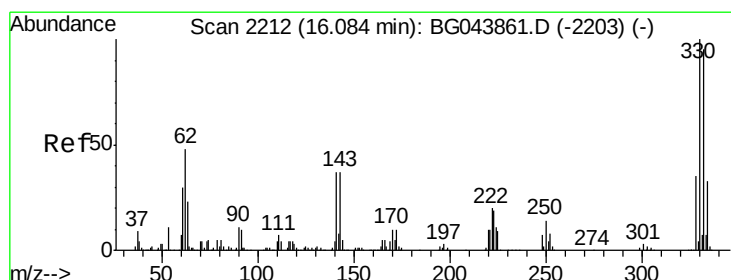
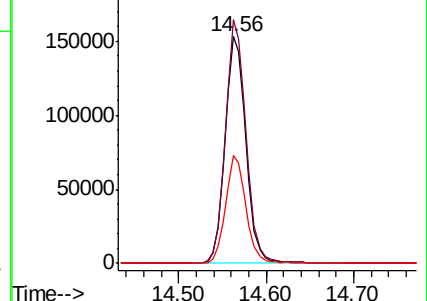
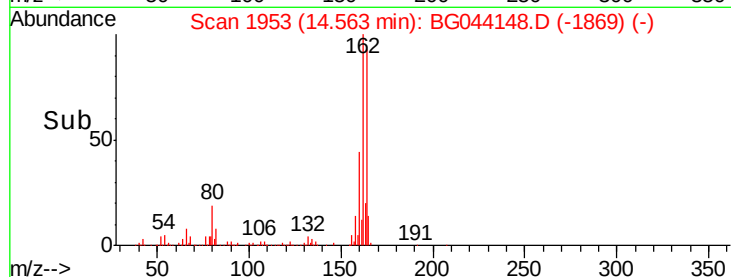
160 47.5 36.1 54.1



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: 143.622 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044148.D

Acq: 22 Jan 2020 00:32

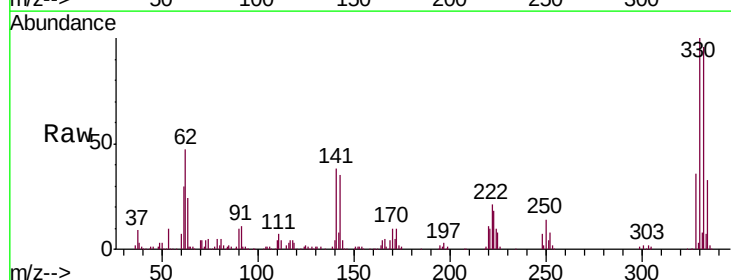
Tgt Ion:330 Resp: 380890

Ion Ratio Lower Upper

330 100

332 96.5 77.2 115.8

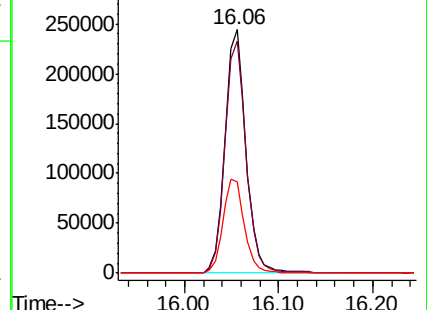
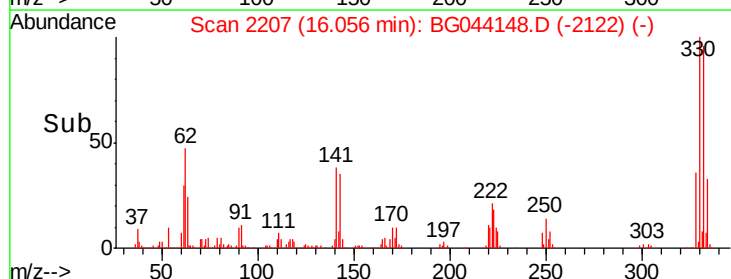
141 39.8 33.1 49.7

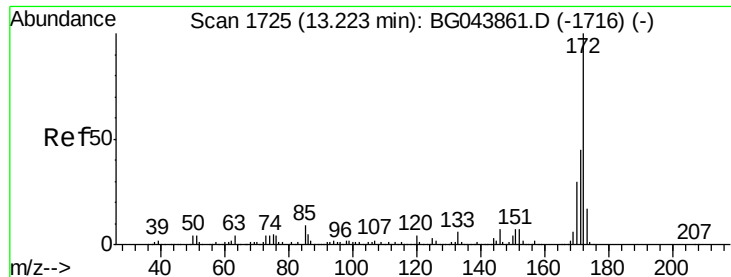


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

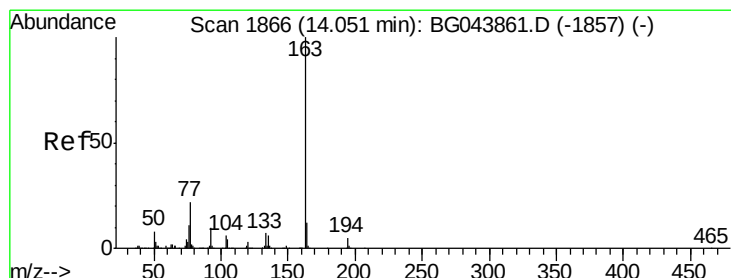
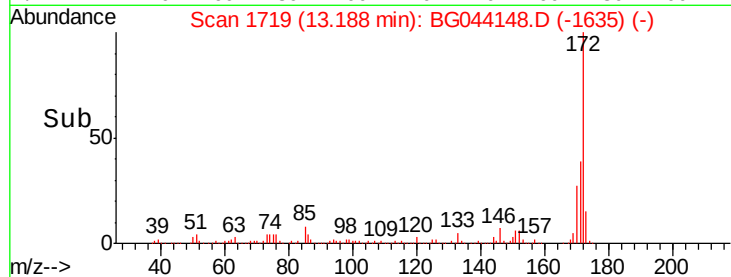
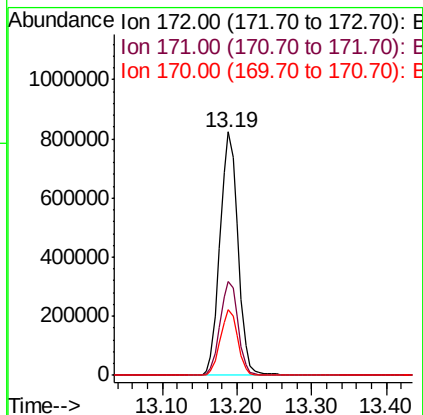
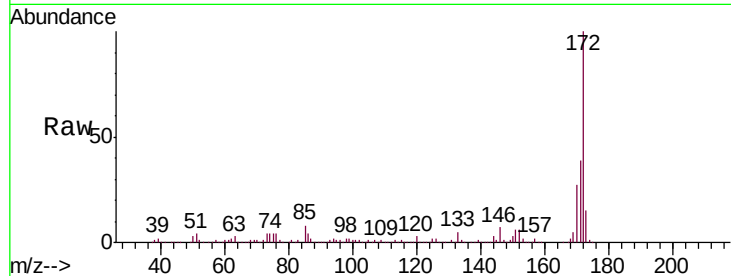




#45
 2-Fluorobiphenyl
 Concen: 98.943 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044148.D
 Acq: 22 Jan 2020 00:32

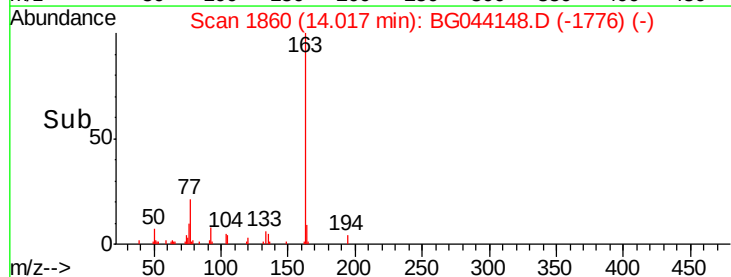
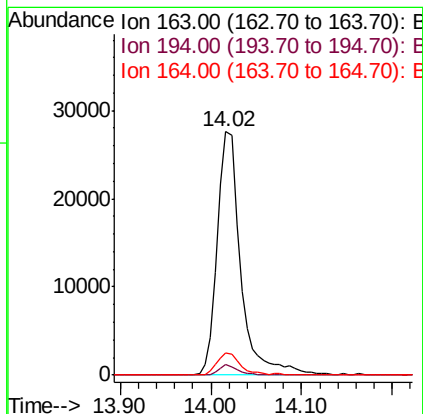
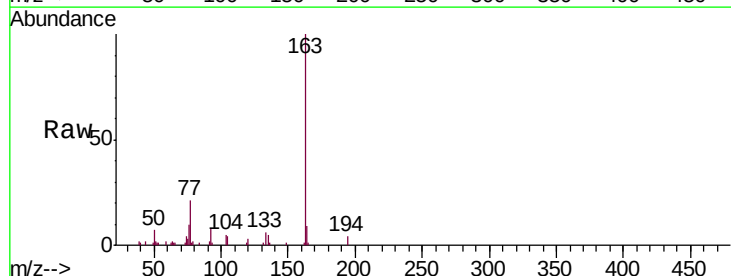
Instrument :
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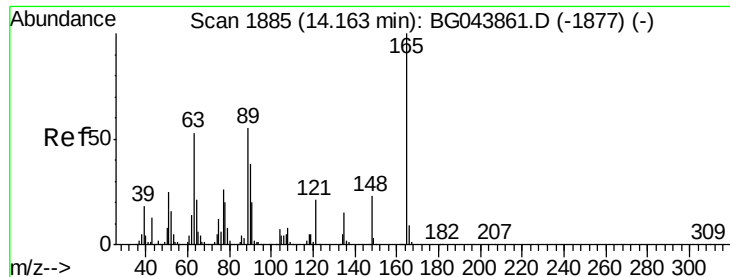
Tgt Ion:172 Resp: 1383979
 Ion Ratio Lower Upper
 172 100
 171 38.7 35.8 53.8
 170 26.7 24.2 36.4



#50
 Dimethylphthalate
 Concen: 2.759 ng
 RT: 14.02 min Scan# 1860
 Delta R.T. -0.03 min
 Lab File: BG044148.D
 Acq: 22 Jan 2020 00:32

Tgt Ion:163 Resp: 49648
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.7 5.5
 164 9.2 9.3 13.9#





#51

2,6-Dinitrotoluene

Concen: 8.107 ng

RT: 14.56 min Scan# 1953

Delta R.T. 0.40 min

Lab File: BG044148.D

Acq: 22 Jan 2020 00:32

Instrument :

BNA_G

ClientSampleId :

F1-F2-(SETTLED)

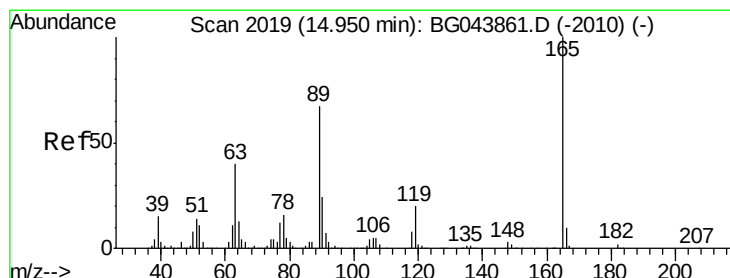
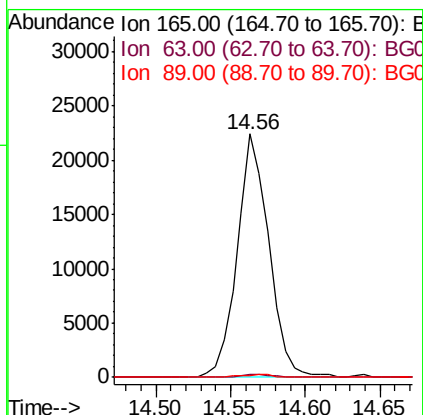
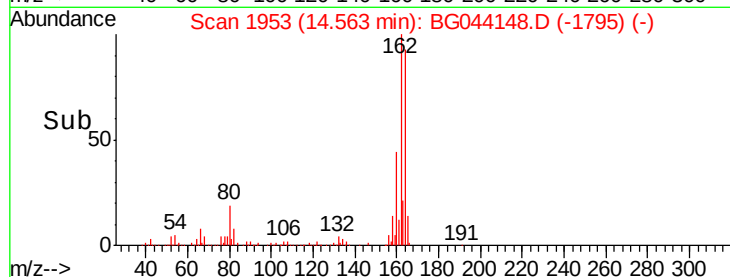
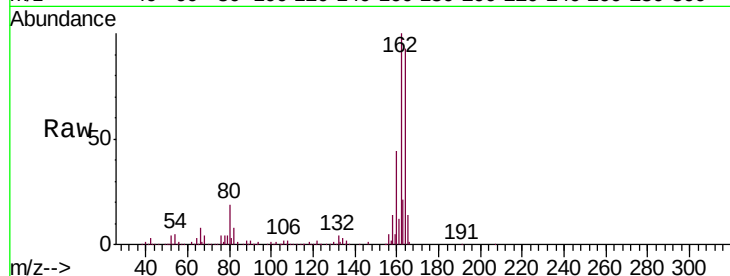
Tgt Ion:165 Resp: 32970

Ion Ratio Lower Upper

165 100

63 1.1 43.1 64.7#

89 0.9 43.8 65.6#



#57

2,4-Dinitrotoluene

Concen: 5.958 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044148.D

Acq: 22 Jan 2020 00:32

Tgt Ion:165 Resp: 32970

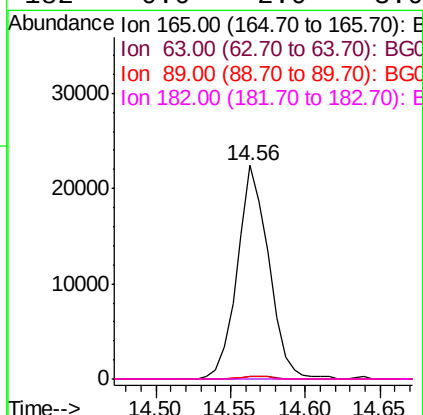
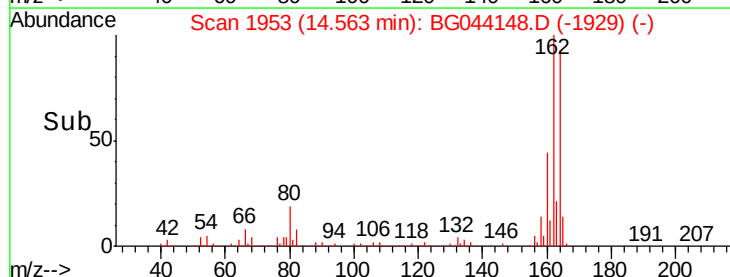
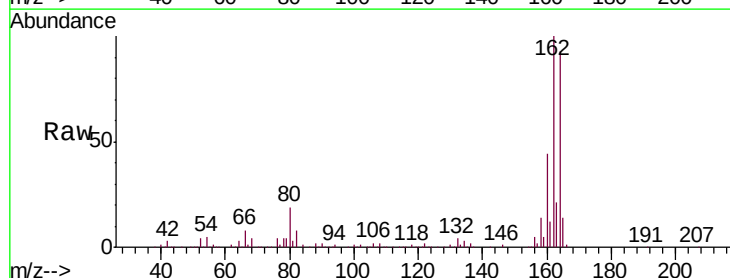
Ion Ratio Lower Upper

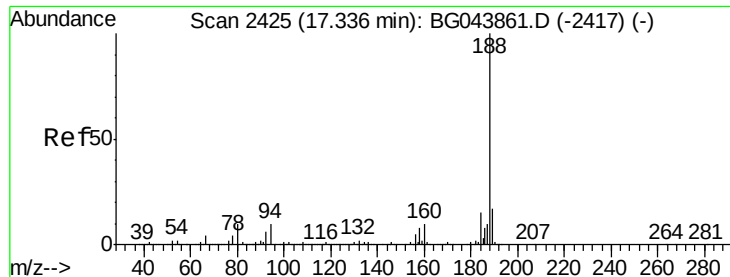
165 100

63 1.1 31.9 47.9#

89 0.9 53.8 80.6#

182 0.0 2.0 3.0#

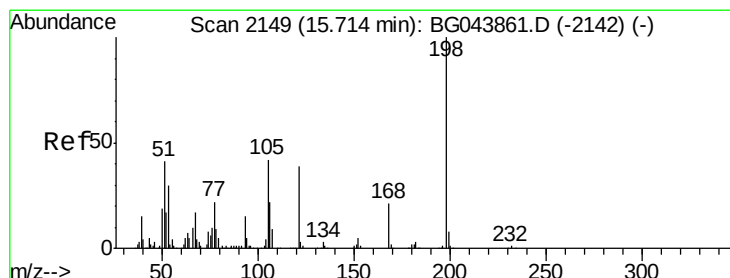
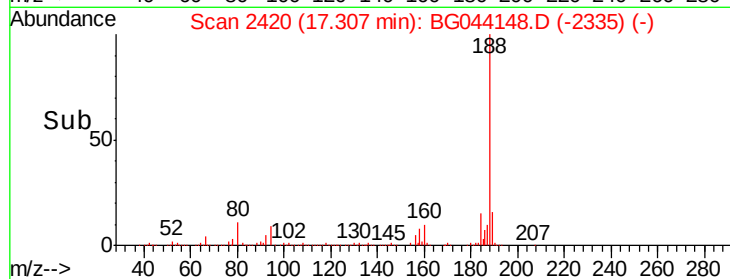
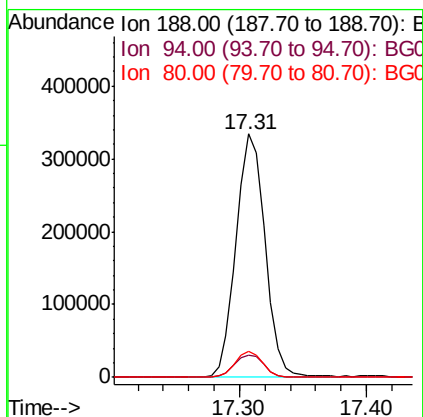
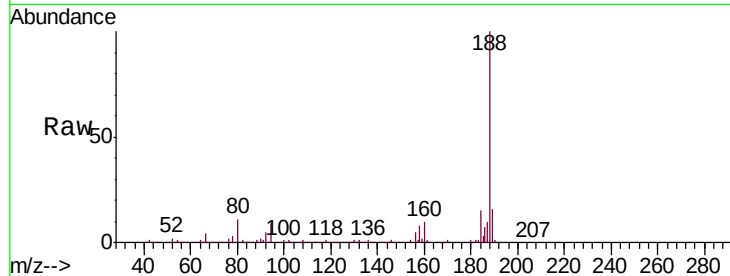




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044148.D
 Acq: 22 Jan 2020 00:32

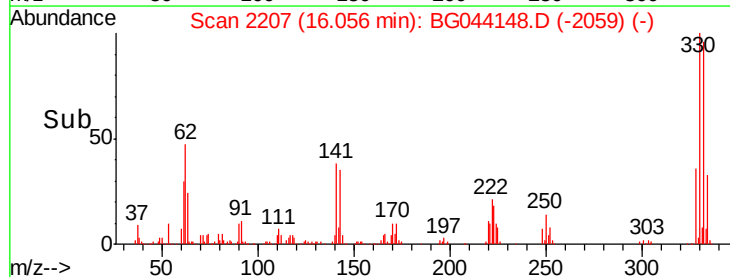
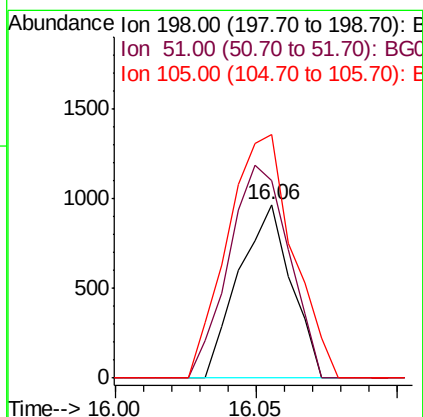
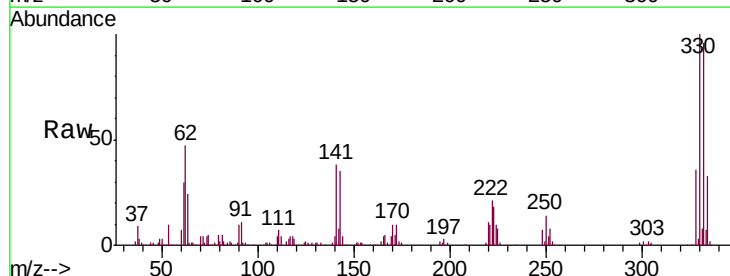
Instrument :
 BNA_G
 ClientSampleId :
 F1-F2-(SETTLED)

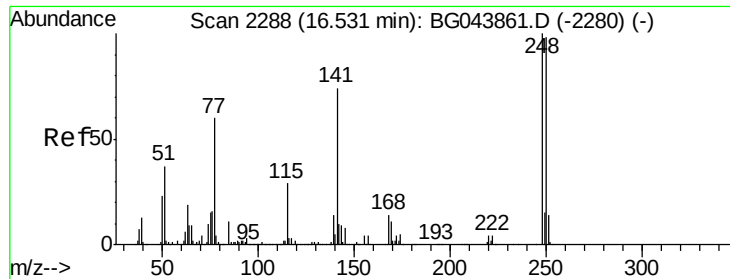
Tgt Ion:188 Resp: 532302
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.9 11.9
 80 10.5 8.2 12.4



#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.802 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. 0.34 min
 Lab File: BG044148.D
 Acq: 22 Jan 2020 00:32

Tgt Ion:198 Resp: 1243
 Ion Ratio Lower Upper
 198 100
 51 113.8 22.5 62.5#
 105 140.5 22.3 62.3#

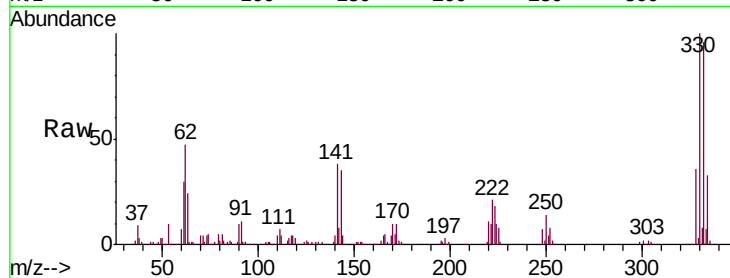




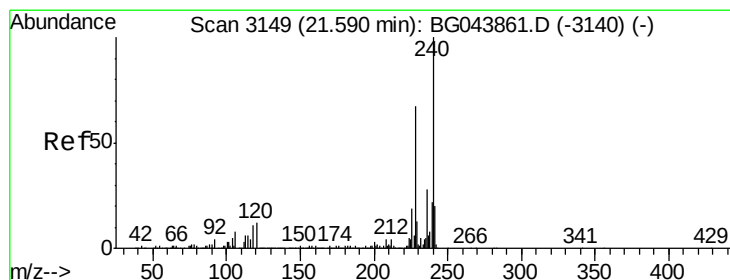
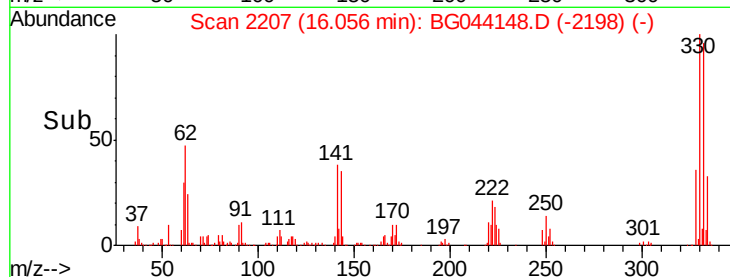
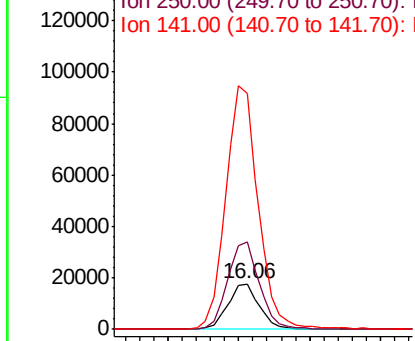
#67
 4-Bromophenyl-phenylether
 Concen: 4.569 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044148.D
 Acq: 22 Jan 2020 00:32

Instrument :
 BNA_G
 ClientSampleId :
 F1-F2-(SETTLED)

Tgt Ion:248 Resp: 27353
 Ion Ratio Lower Upper
 248 100
 250 194.3 78.2 117.2#
 141 522.7 59.3 88.9#

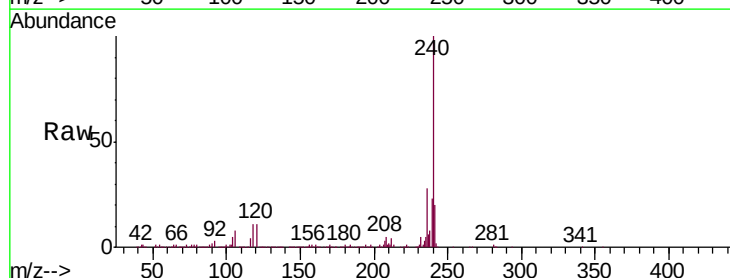


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

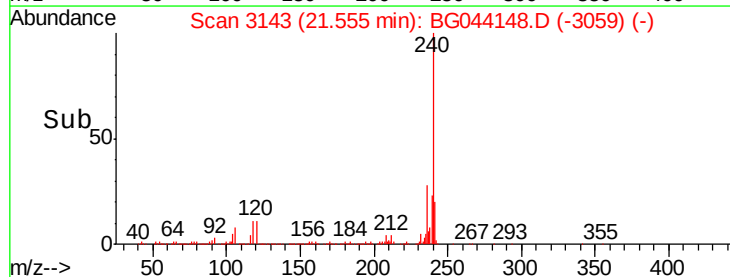
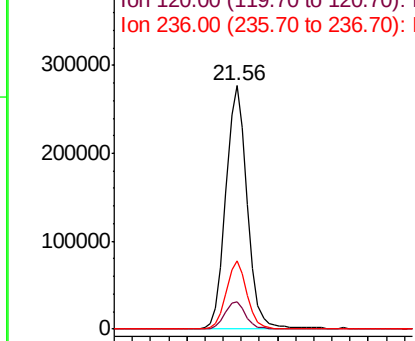


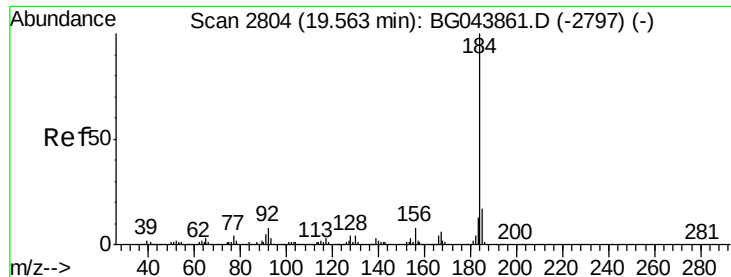
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044148.D
 Acq: 22 Jan 2020 00:32

Tgt Ion:240 Resp: 454045
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.6 14.4
 236 27.9 22.2 33.2



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: 2.867 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044148.D

Acq: 22 Jan 2020 00:32

Instrument :

BNA_G

ClientSampleId :

F1-F2-(SETTLED)

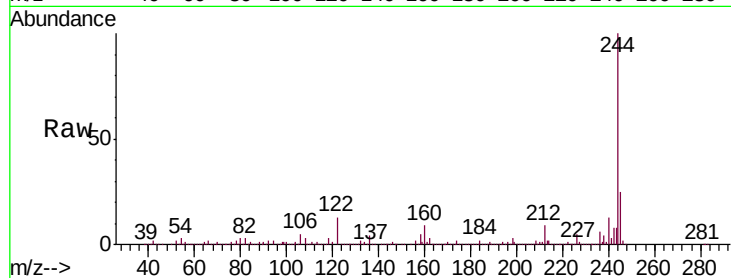
Tgt Ion:184 Resp: 32723

Ion Ratio Lower Upper

184 100

185 16.1 13.4 20.0

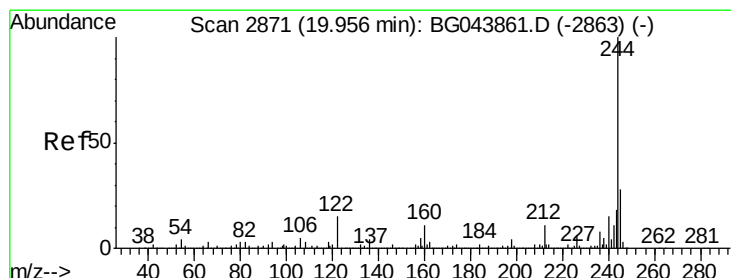
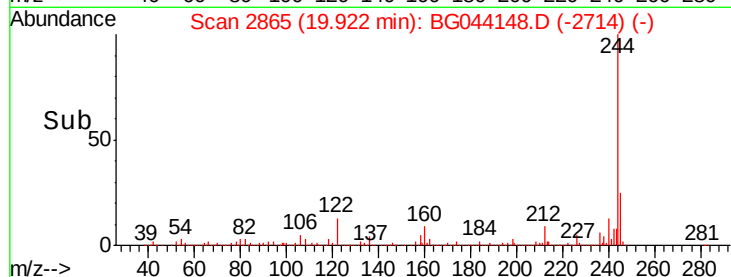
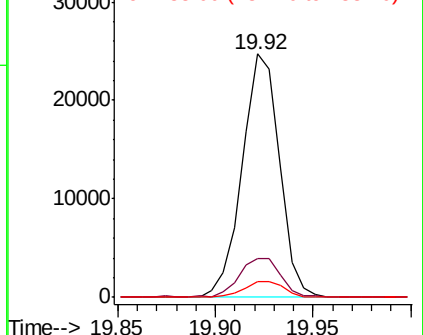
183 6.7 10.6 15.8#



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: 104.637 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044148.D

Acq: 22 Jan 2020 00:32

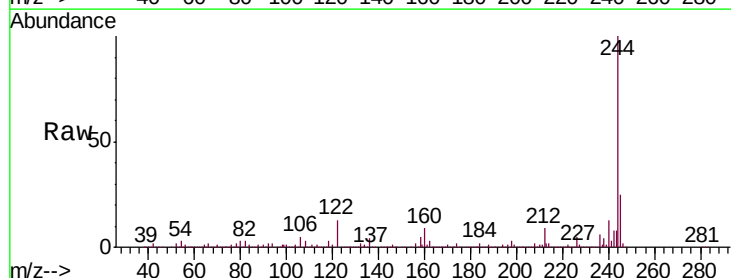
Tgt Ion:244 Resp: 1858570

Ion Ratio Lower Upper

244 100

212 9.2 8.6 13.0

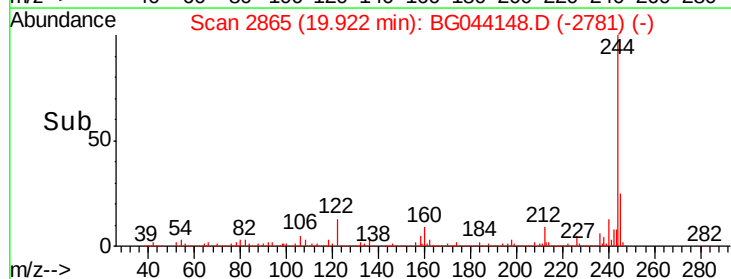
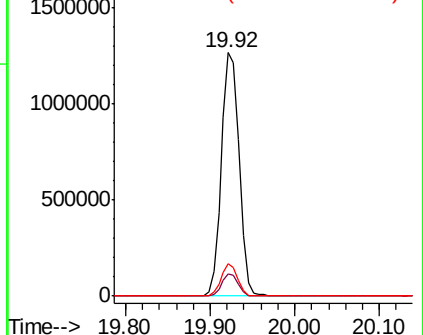
122 13.1 11.9 17.9

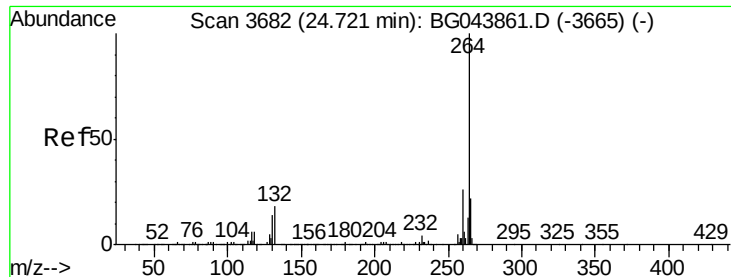


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.66 min Scan# 3672
Delta R.T. -0.06 min
Lab File: BG044148.D
Acq: 22 Jan 2020 00:32

Instrument :
BNA_G
ClientSampleId :
F1-F2-(SETTLED)

Tgt Ion:	264	Resp:	504694
Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.4	30.6
265	22.3	17.4	26.2

