

Data File : BG044173.D
Acq On : 23 Jan 2020 18:55
Operator : JU
Sample : PB126290BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126290BL

Quant Time: Jan 24 05:35:56 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

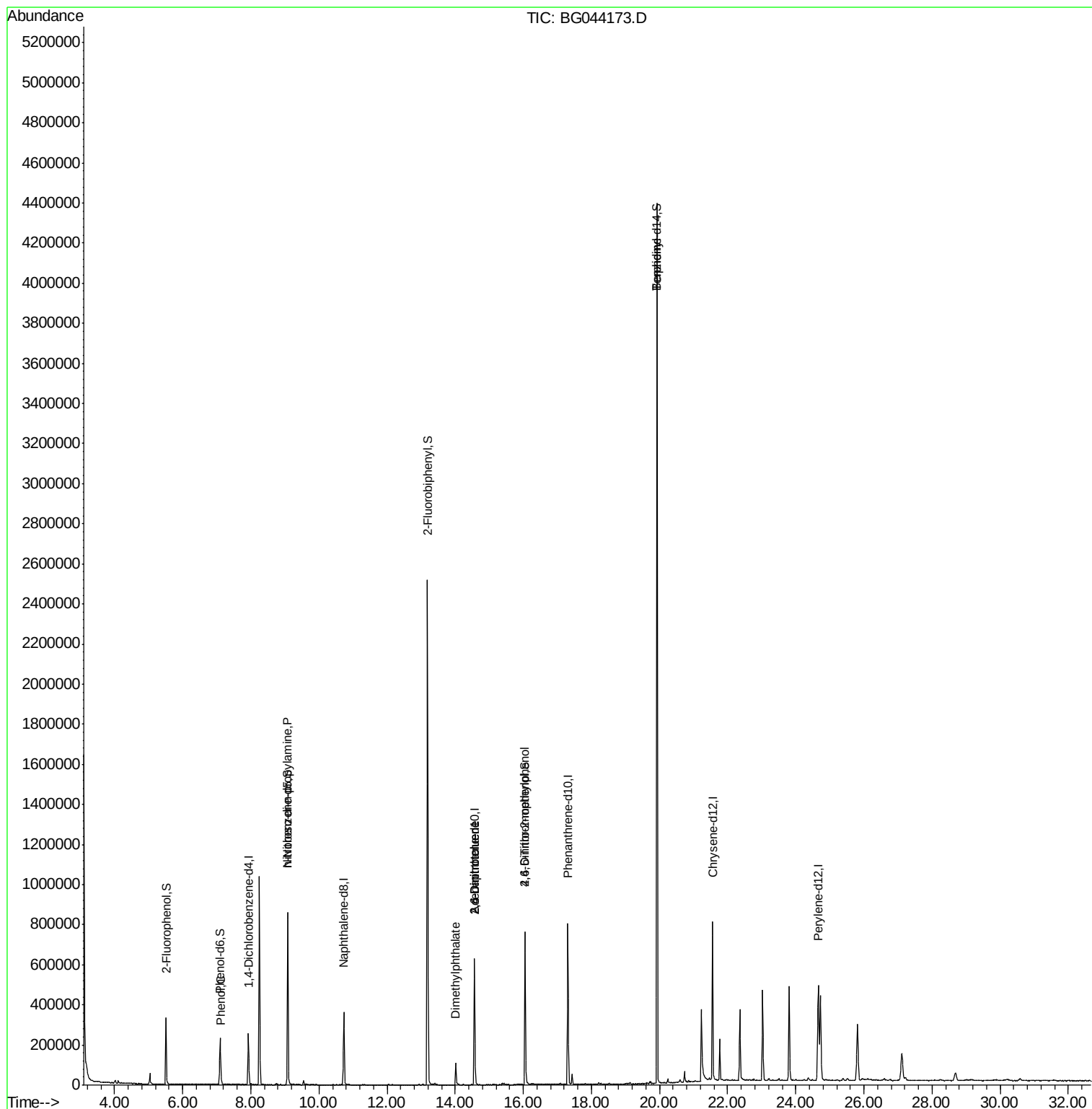
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	76945	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	341037	20.00	ng	-0.04
39) Acenaphthene-d10	14.56	164	242752	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	507365	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	443144	20.00	ng	-0.03
87) Perylene-d12	24.66	264	491645	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	170888	40.78	ng	-0.03
7) Phenol-d6	7.10	99	156068	26.64	ng	-0.03
23) Nitrobenzene-d5	9.08	82	565520	88.71	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	153698	60.50	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1355056	101.13	ng	-0.03
79) Terphenyl-d14	19.92	244	2021122	122.70	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	21531	3.567	ng	98
19) n-Nitroso-di-n-propylamine	9.08	70	71749	16.447	ng	# 79
50) Dimethylphthalate	14.02	163	93898	5.448	ng	98
51) 2,6-Dinitrotoluene	14.56	165	31610	8.114	ng	# 26
57) 2,4-Dinitrotoluene	14.56	165	31670	5.974	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	540	4.577	ng	# 1
77) Benzidine	19.92	184	36298	3.259	ng	# 91

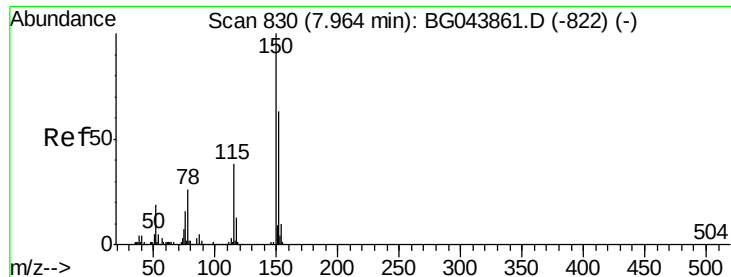
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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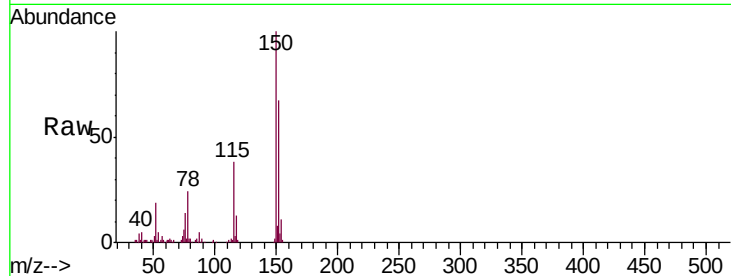


#1

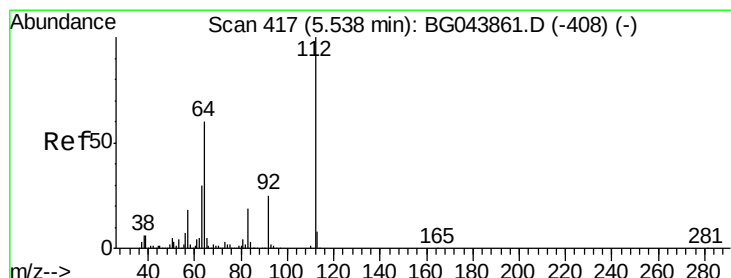
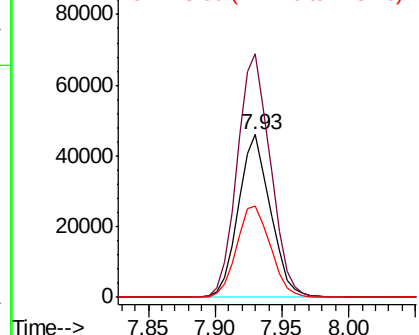
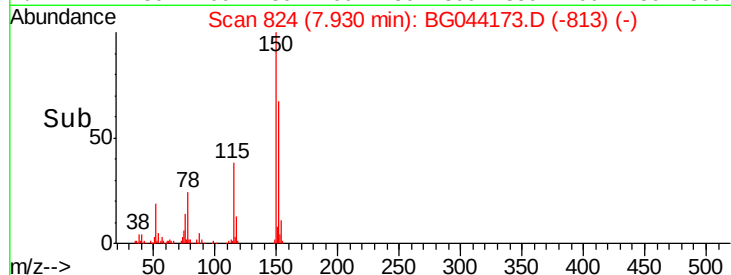
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044173.D
Acq: 23 Jan 2020 18:55

Instrument :
BNA_G
ClientSampleId :
PB126290BL

Tgt Ion:152 Resp: 76945
Ion Ratio Lower Upper
152 100
150 149.6 127.0 190.4
115 56.2 47.8 71.8



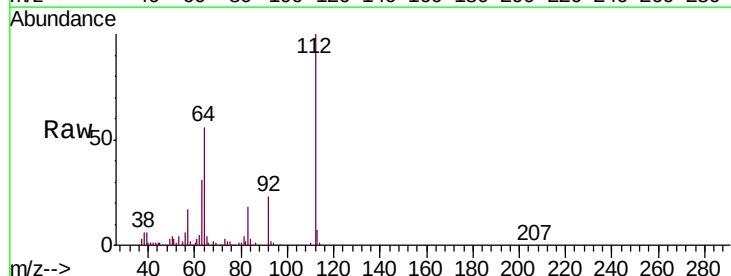
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



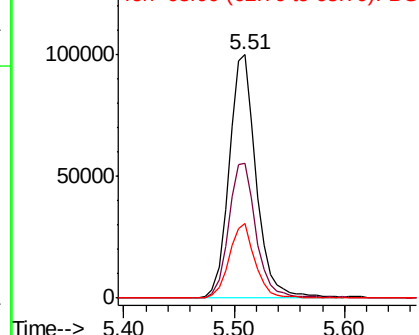
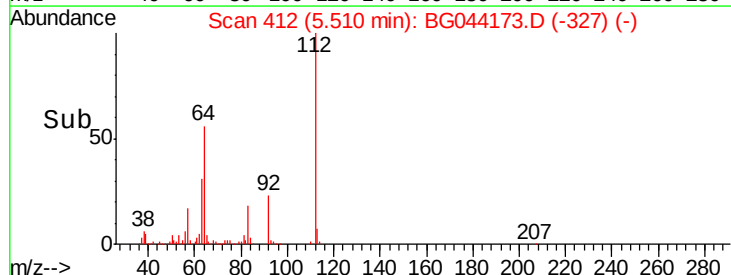
#5

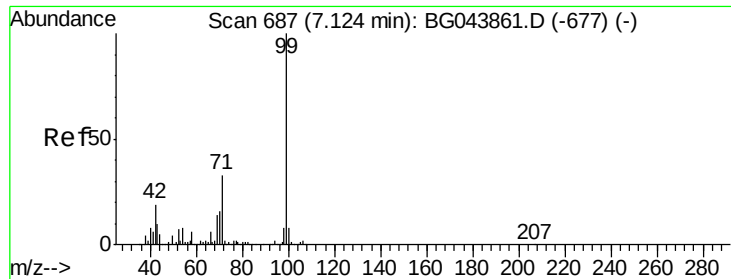
2-Fluorophenol
Concen: 40.779 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044173.D
Acq: 23 Jan 2020 18:55

Tgt Ion:112 Resp: 170888
Ion Ratio Lower Upper
112 100
64 55.5 47.8 71.6
63 30.9 24.3 36.5



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: 26.643 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044173.D

Acq: 23 Jan 2020 18:55

Instrument :

BNA_G

ClientSampleId :

PB126290BL

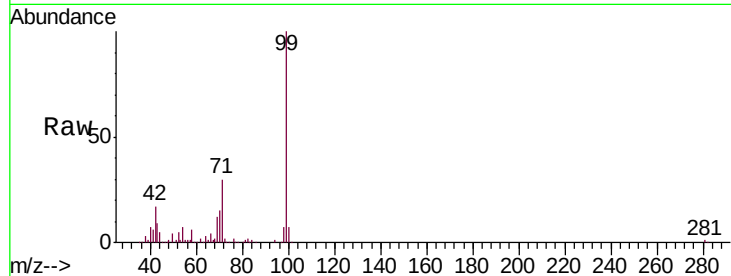
Tgt Ion: 99 Resp: 156068

Ion Ratio Lower Upper

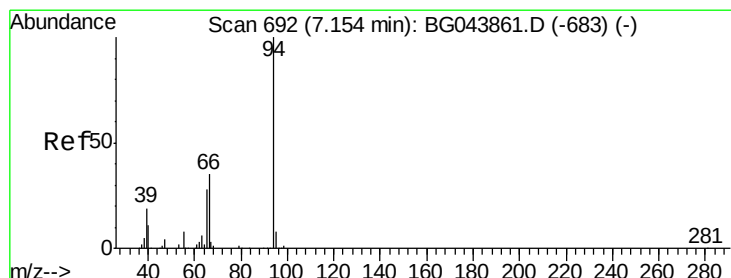
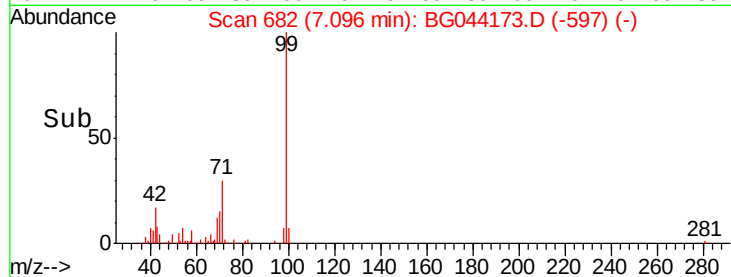
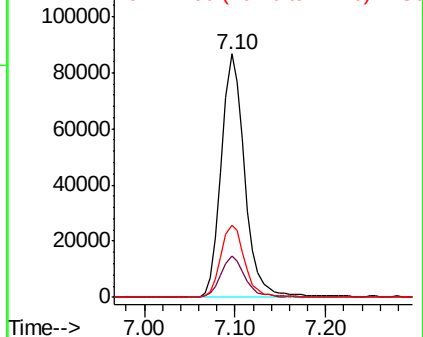
99 100

42 16.9 14.9 22.3

71 29.6 26.4 39.6



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: 3.567 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044173.D

Acq: 23 Jan 2020 18:55

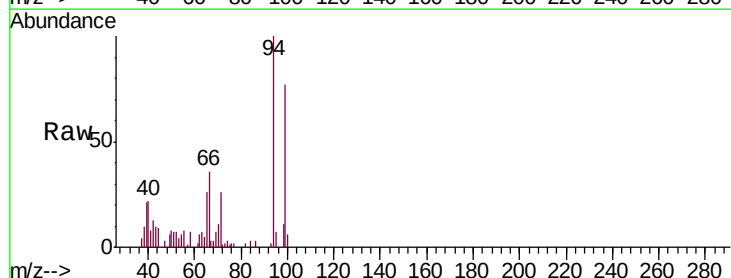
Tgt Ion: 94 Resp: 21531

Ion Ratio Lower Upper

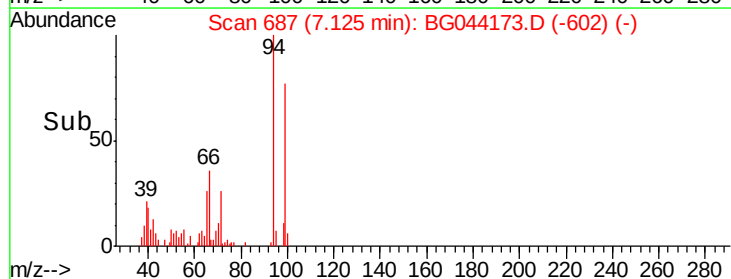
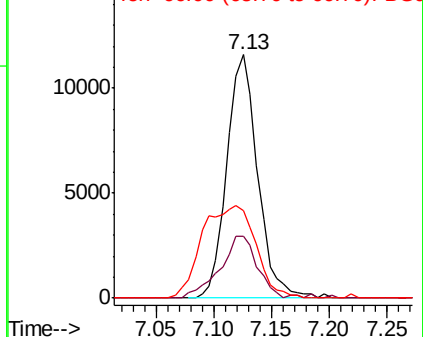
94 100

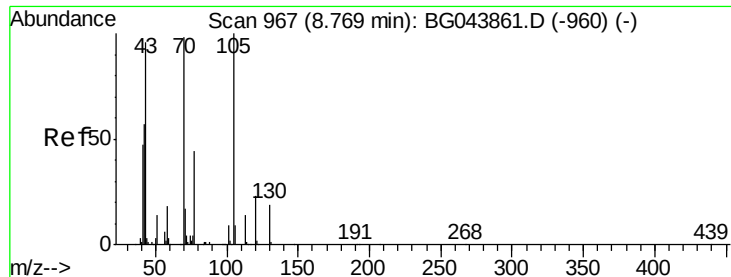
65 25.7 8.1 48.1

66 35.7 15.6 55.6



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

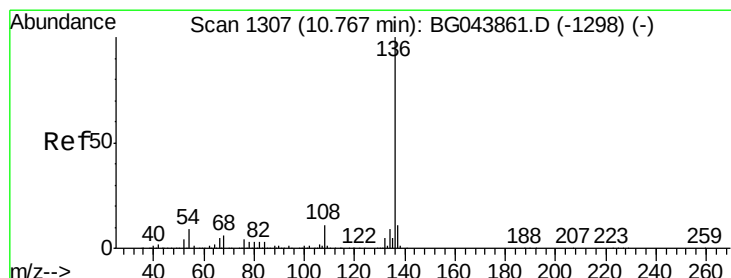
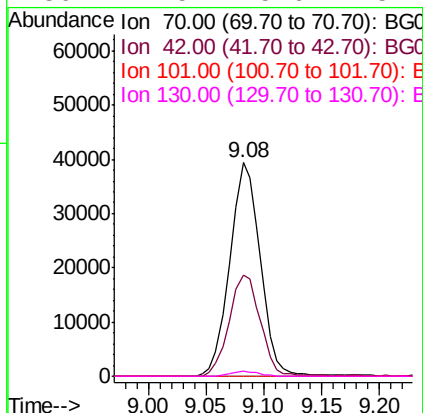
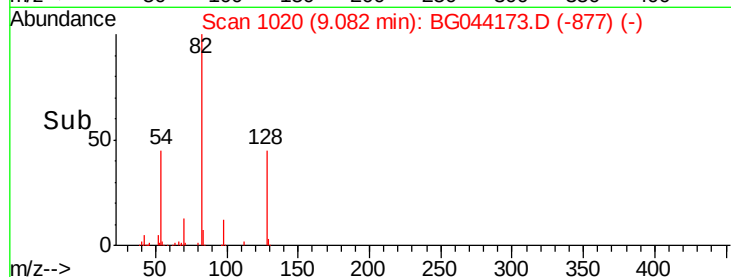
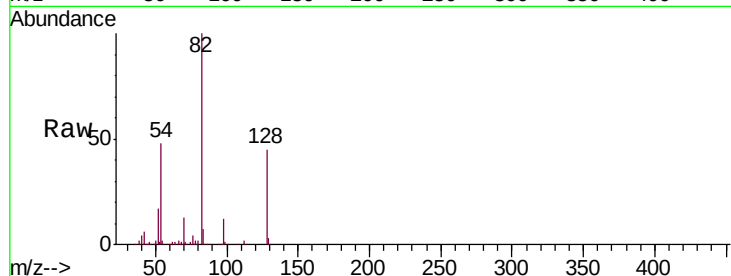




#19
n-Nitroso-di-n-propylamine
Concen: 16.447 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044173.D
Acq: 23 Jan 2020 18:55

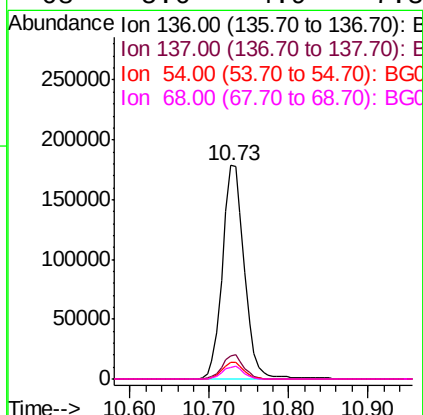
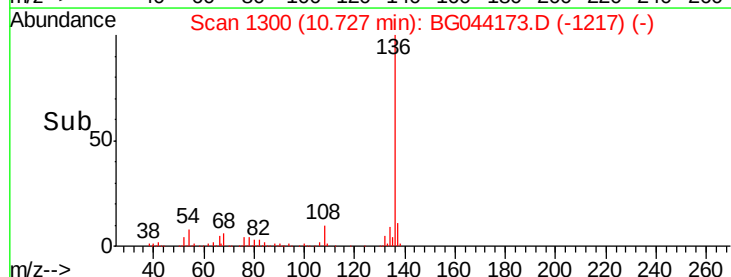
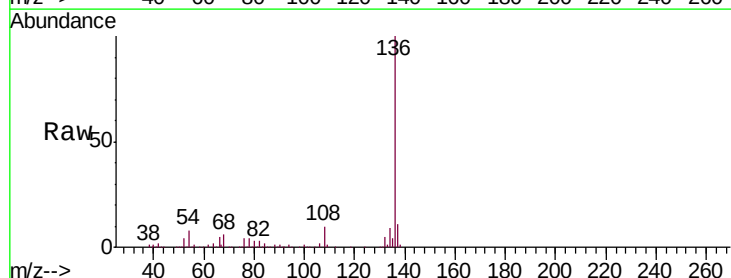
Instrument :
BNA_G
ClientSampleId :
PB126290BL

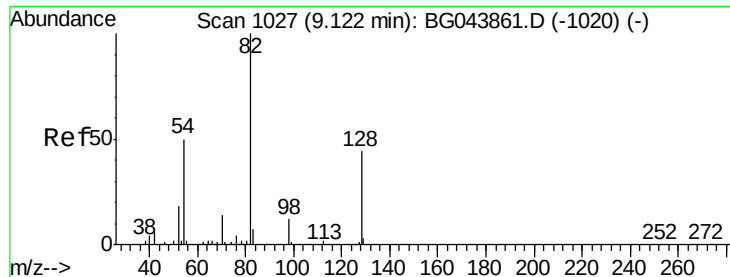
Tgt Ion: 70 Resp: 71749
Ion Ratio Lower Upper
70 100
42 47.1 47.0 70.4
101 0.0 7.2 10.8#
130 2.5 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.04 min
Lab File: BG044173.D
Acq: 23 Jan 2020 18:55

Tgt Ion: 136 Resp: 341037
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.8 7.0 10.4
68 5.6 4.9 7.3

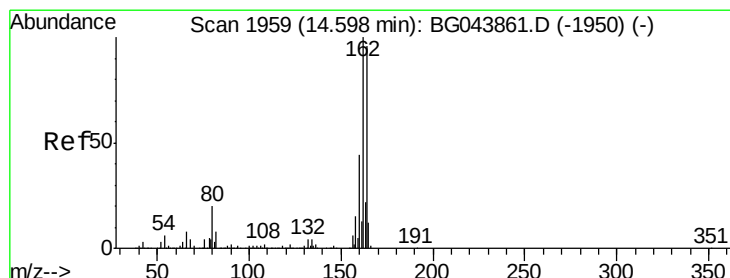
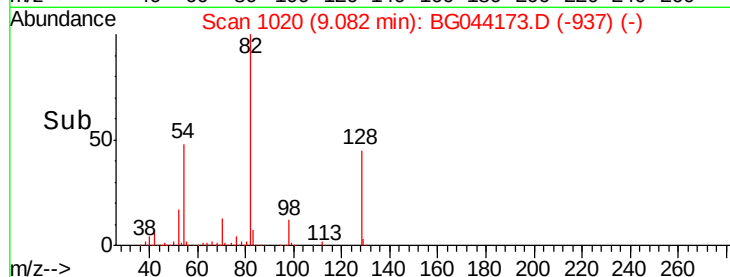
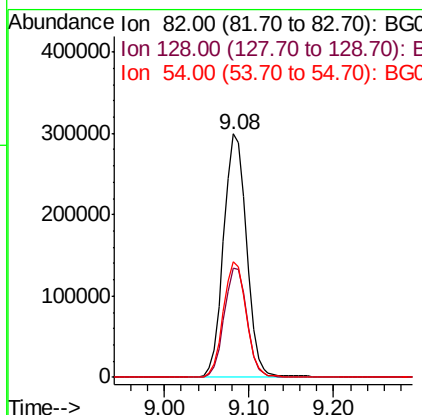
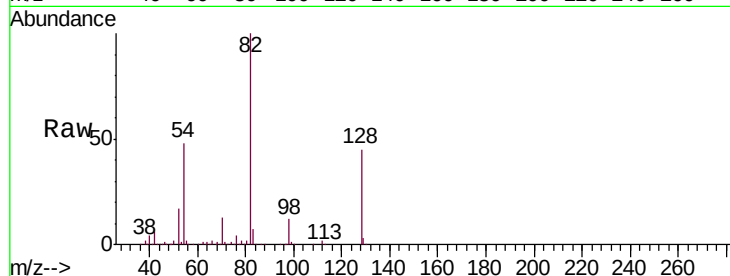




#23
Nitrobenzene-d5
Concen: 88.709 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BG044173.D
Acq: 23 Jan 2020 18:55

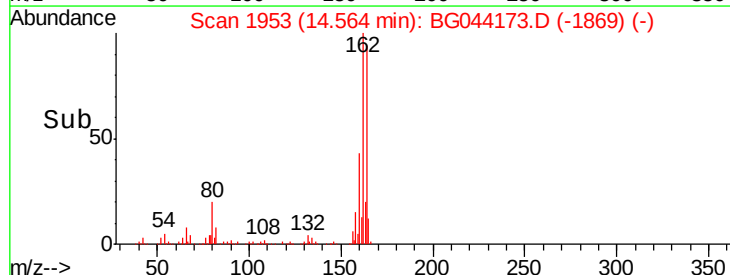
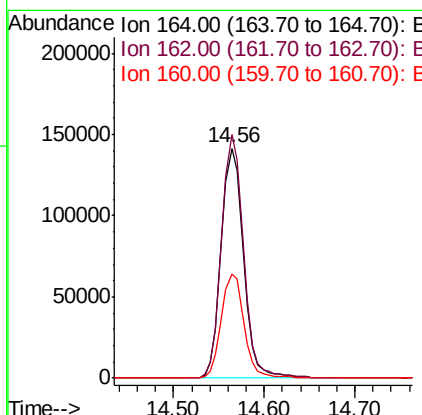
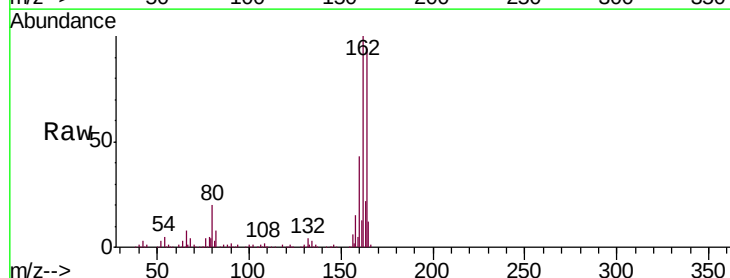
Instrument :
BNA_G
ClientSampleId :
PB126290BL

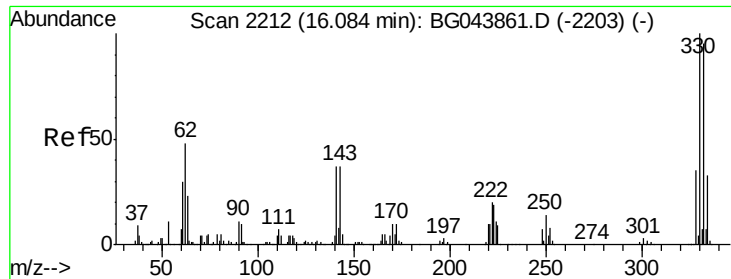
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.1	52.7
54	47.6	40.1	60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.03 min
Lab File: BG044173.D
Acq: 23 Jan 2020 18:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	83.0	124.4
160	45.2	36.1	54.1

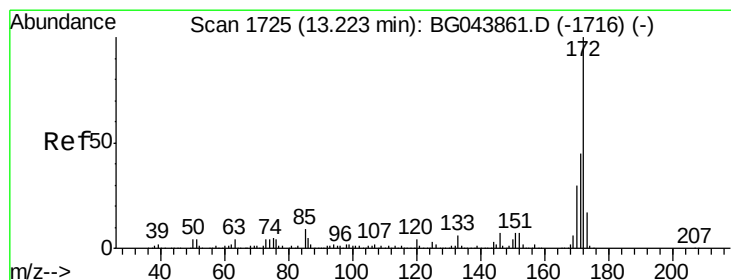
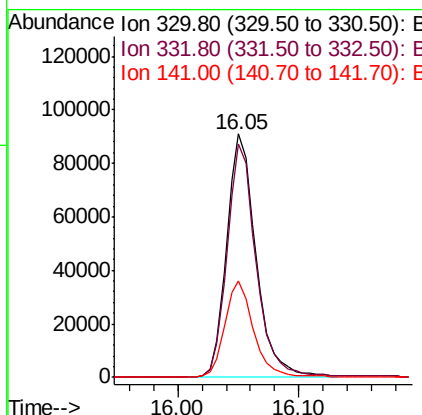
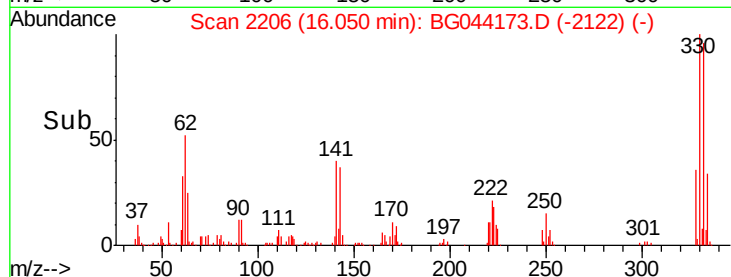
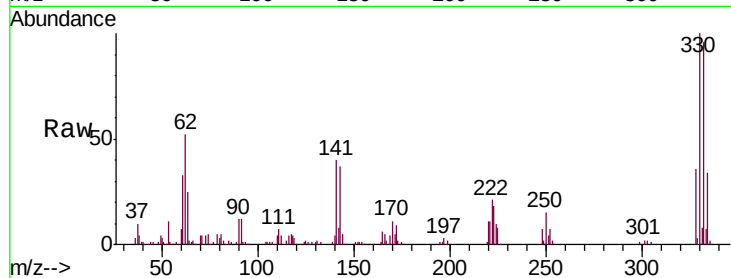




#42
 2,4,6-Tribromophenol
 Concen: 60.503 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.03 min
 Lab File: BG044173.D
 Acq: 23 Jan 2020 18:55

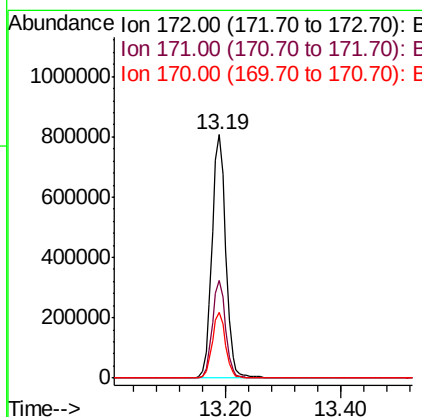
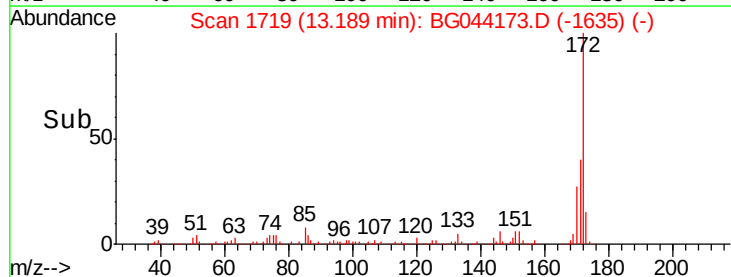
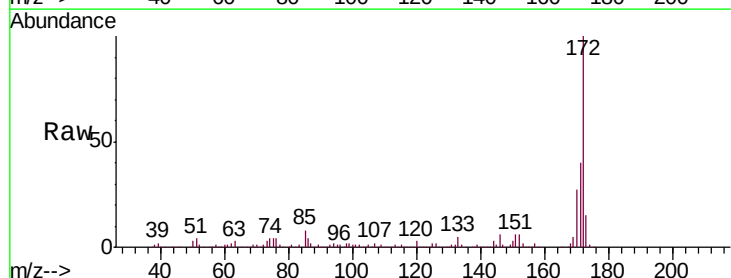
Instrument :
 BNA_G
 ClientSampleId :
 PB126290BL

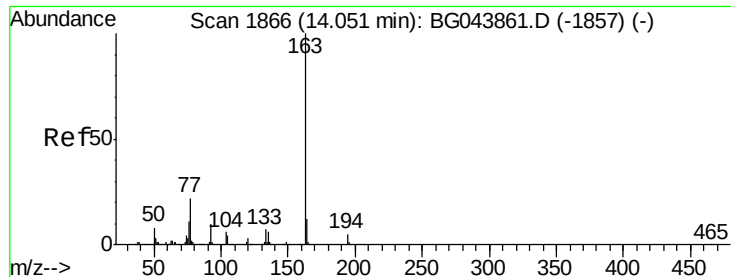
Tgt Ion:330 Resp: 153698
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.2 115.8
 141 39.2 33.1 49.7



#45
 2-Fluorobiphenyl
 Concen: 101.134 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044173.D
 Acq: 23 Jan 2020 18:55

Tgt Ion:172 Resp: 1355056
 Ion Ratio Lower Upper
 172 100
 171 39.9 35.8 53.8
 170 26.9 24.2 36.4





#50

Dimethylphthalate

Concen: 5.448 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044173.D

Acq: 23 Jan 2020 18:55

Instrument :

BNA_G

ClientSampleId :

PB126290BL

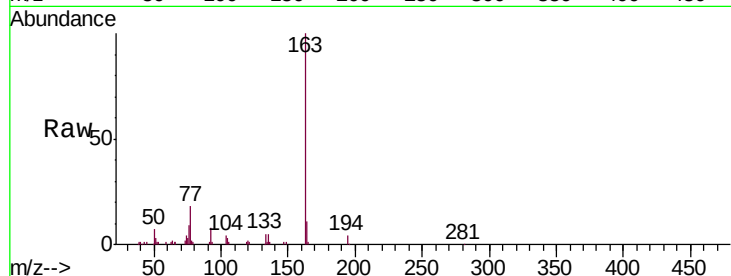
Tgt Ion:163 Resp: 93898

Ion Ratio Lower Upper

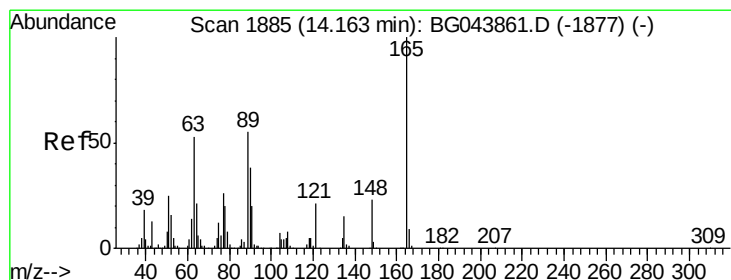
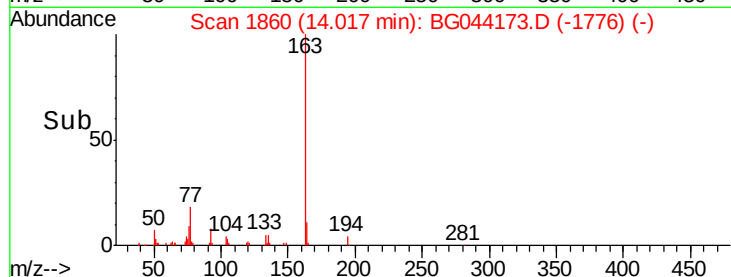
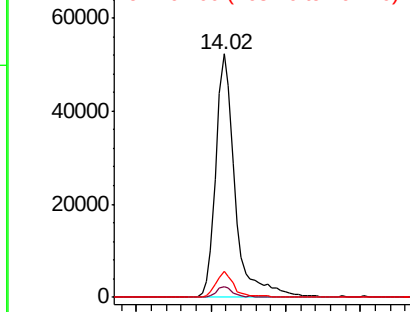
163 100

194 4.2 3.7 5.5

164 10.7 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.114 ng

RT: 14.56 min Scan# 1953

Delta R.T. 0.40 min

Lab File: BG044173.D

Acq: 23 Jan 2020 18:55

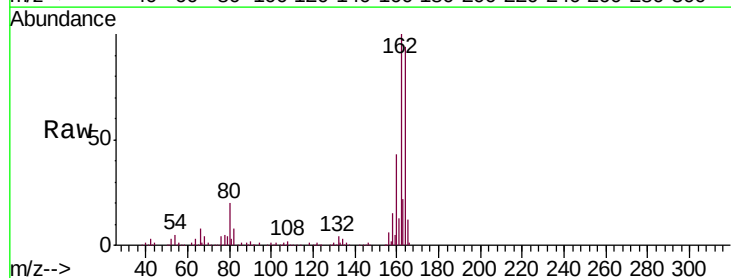
Tgt Ion:165 Resp: 31610

Ion Ratio Lower Upper

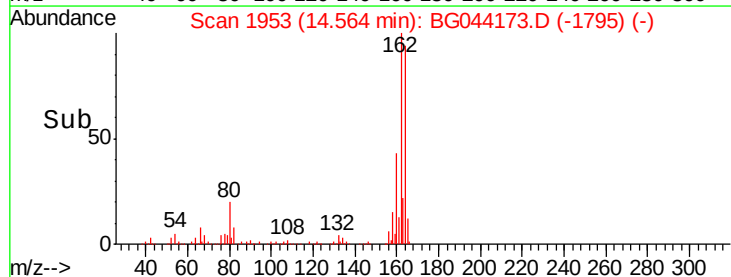
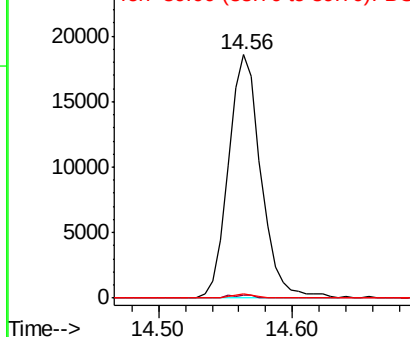
165 100

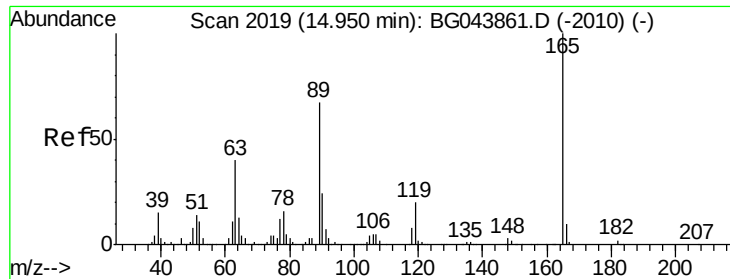
63 1.3 43.1 64.7#

89 1.7 43.8 65.6#



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

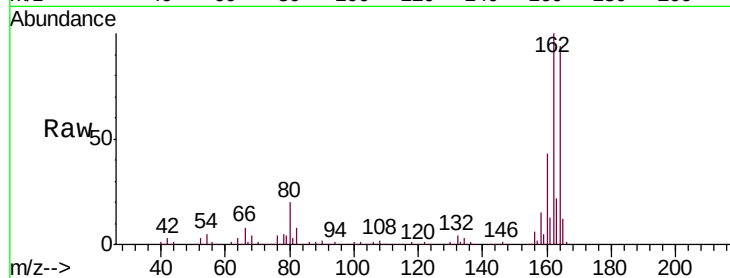




#57
 2,4-Dinitrotoluene
 Concen: 5.974 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044173.D
 Acq: 23 Jan 2020 18:55

Instrument :
 BNA_G
 ClientSampleId :
 PB126290BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.9	47.9#
89	1.7	53.8	80.6#
182	0.0	2.0	3.0#

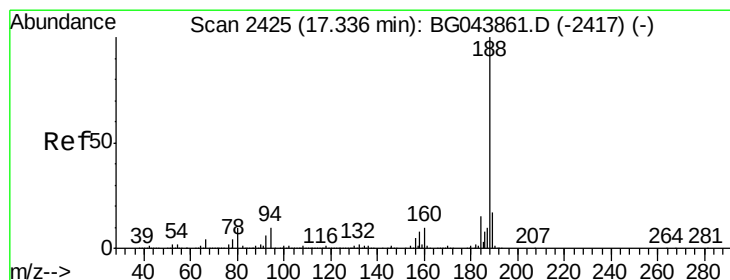
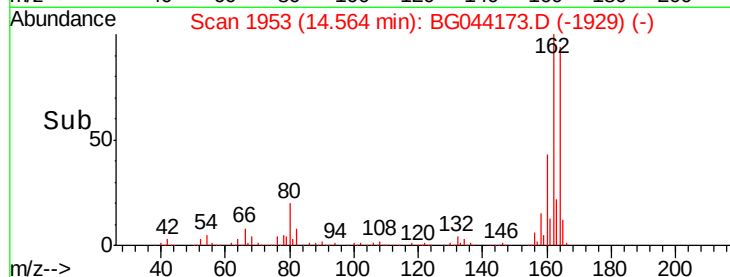
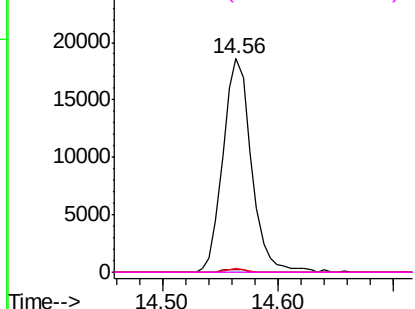


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

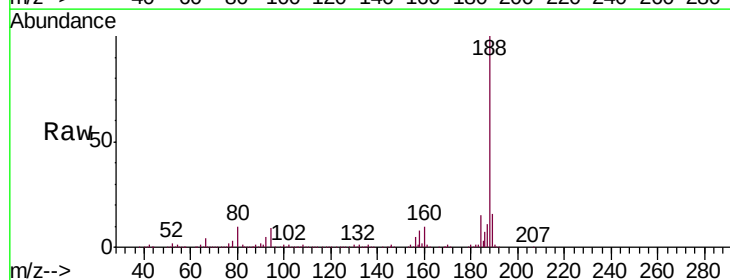
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044173.D
 Acq: 23 Jan 2020 18:55

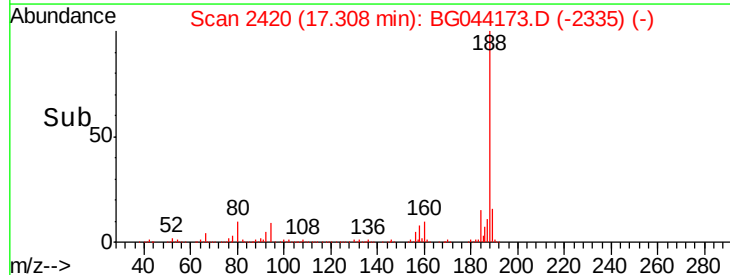
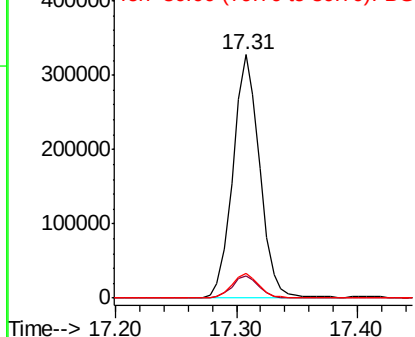
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.9	11.9
80	10.3	8.2	12.4

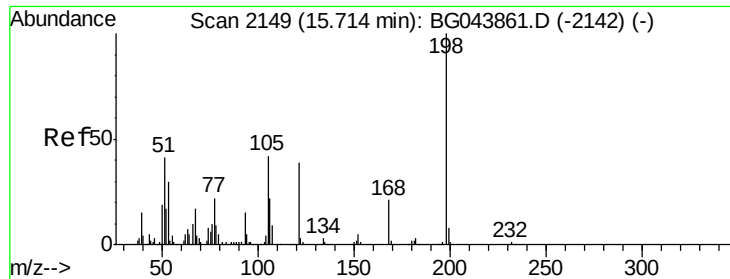


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 4.577 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044173.D

Acq: 23 Jan 2020 18:55

Instrument :

BNA_G

ClientSampleId :

PB126290BL

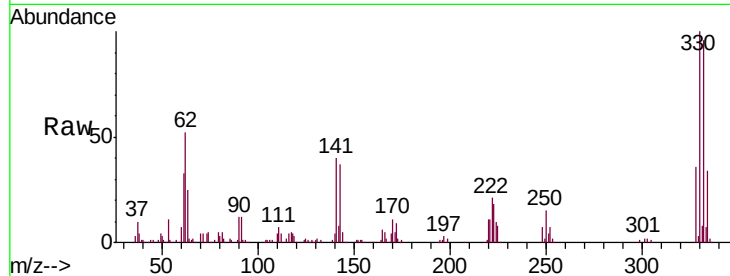
Tgt Ion:198 Resp: 540

Ion Ratio Lower Upper

198 100

51 163.4 22.5 62.5#

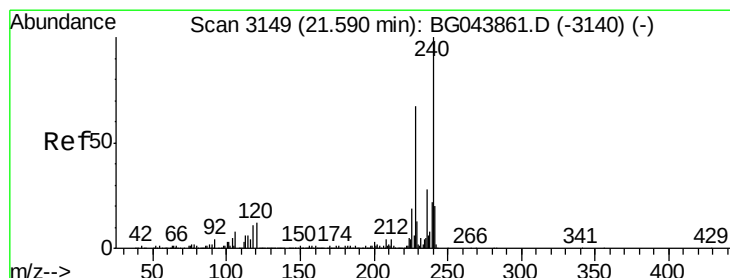
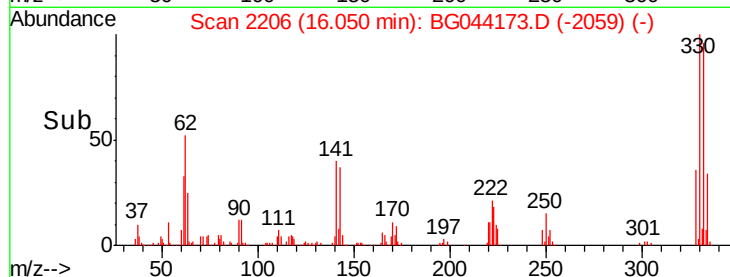
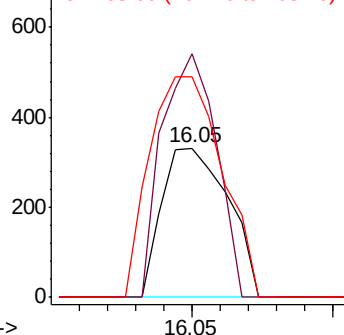
105 148.3 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.56 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BG044173.D

Acq: 23 Jan 2020 18:55

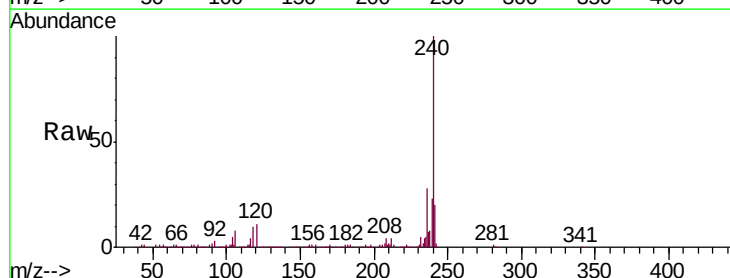
Tgt Ion:240 Resp: 443144

Ion Ratio Lower Upper

240 100

120 11.5 9.6 14.4

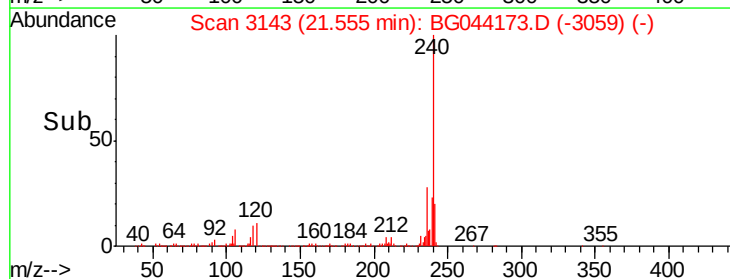
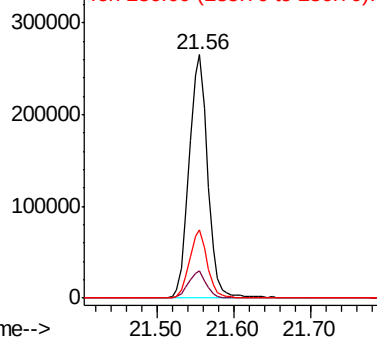
236 28.1 22.2 33.2

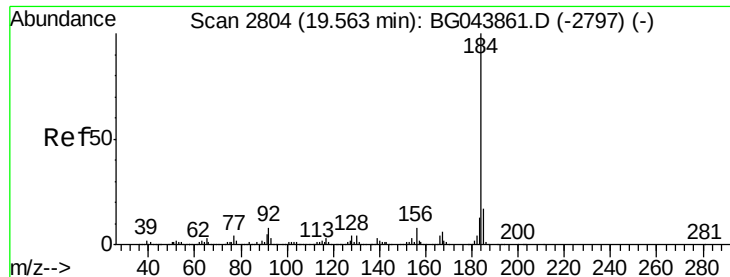


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.259 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044173.D

Acq: 23 Jan 2020 18:55

Instrument :

BNA_G

ClientSampleId :

PB126290BL

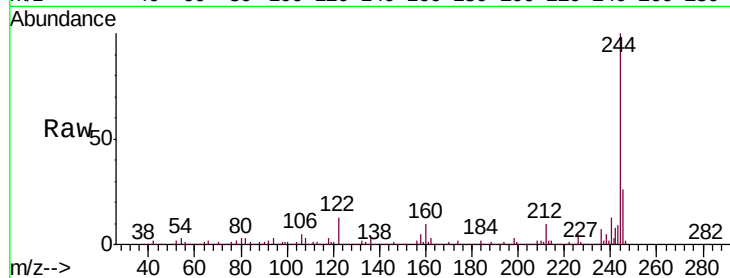
Tgt Ion:184 Resp: 36298

Ion Ratio Lower Upper

184 100

185 15.6 13.4 20.0

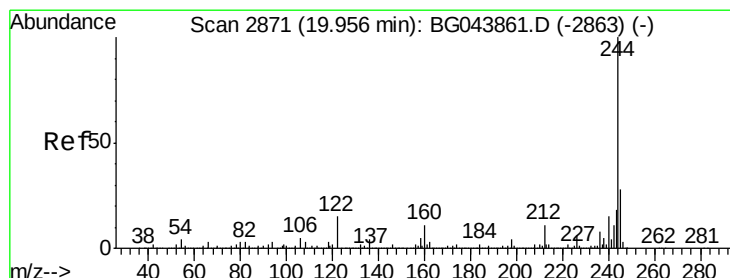
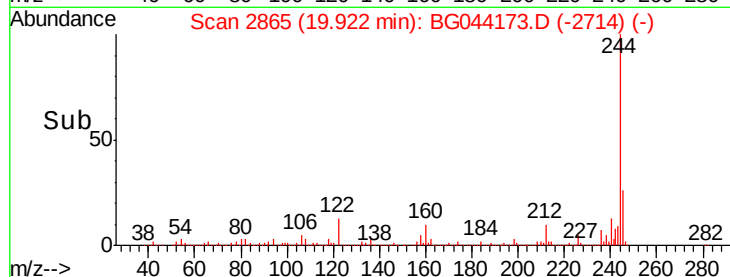
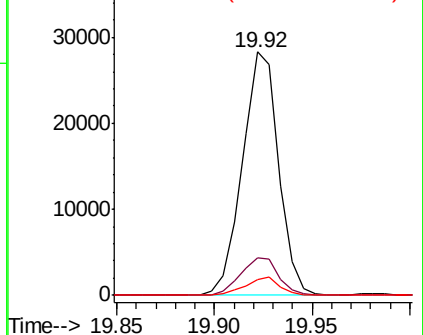
183 6.4 10.6 15.8#



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: 122.697 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044173.D

Acq: 23 Jan 2020 18:55

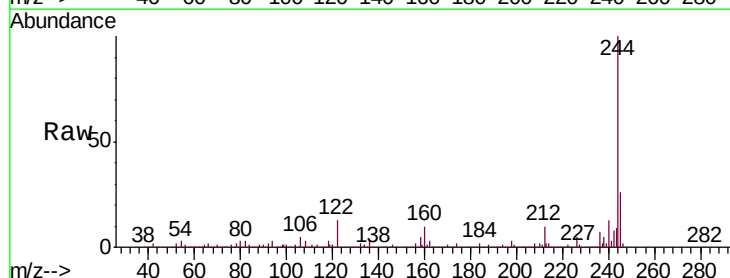
Tgt Ion:244 Resp: 2021122

Ion Ratio Lower Upper

244 100

212 9.5 8.6 13.0

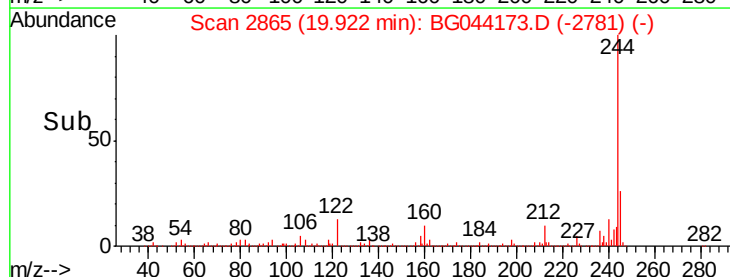
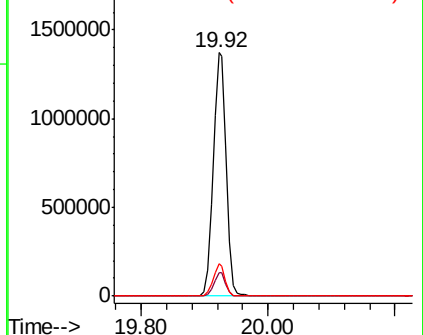
122 13.5 11.9 17.9

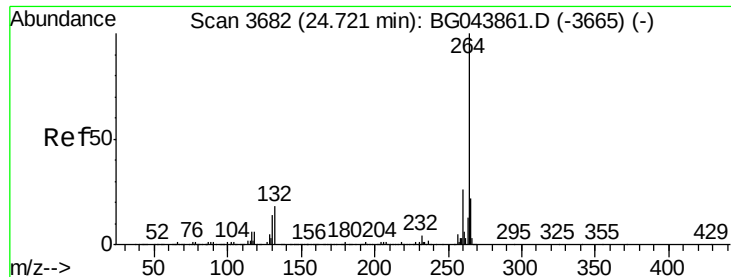


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3671
Delta R.T. -0.06 min
Lab File: BG044173.D
Acq: 23 Jan 2020 18:55

Instrument :
BNA_G
ClientSampleId :
PB126290BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.4	30.6
265	21.1	17.4	26.2

