

Data File : BG044189.D
Acq On : 24 Jan 2020 19:44
Operator : CG/JU
Sample : L1247-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4-5-COMP

Quant Time: Jan 25 05:38:34 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

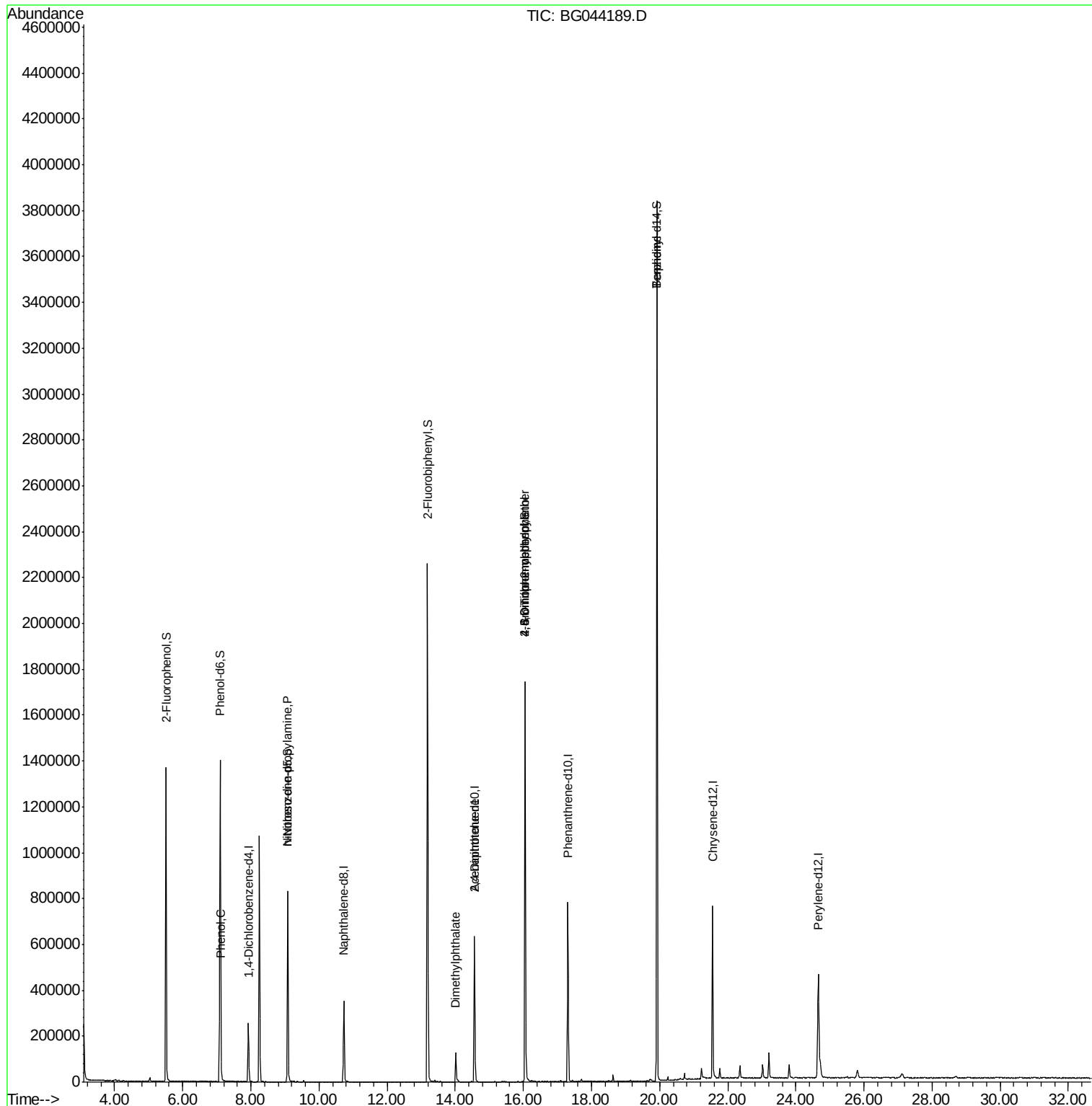
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	77274	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	342665	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	238375	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	512049	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	440751	20.00	ng	-0.03
87) Perylene-d12	24.66	264	490349	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	660790	157.01	ng	-0.03
7) Phenol-d6	7.10	99	900380	153.05	ng	-0.02
23) Nitrobenzene-d5	9.08	82	542513	84.70	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	344870	138.25	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1211260	92.06	ng	-0.03
79) Terphenyl-d14	19.92	244	1718941	97.71	ng	-0.03
Target Compounds						
10) Phenol	7.12	94	25916	4.276	ng	87
19) n-Nitroso-di-n-propylamine	9.08	70	70450	16.081	ng	# 79
50) Dimethylphthalate	14.02	163	110014	6.500	ng	96
57) 2,4-Dinitrotoluene	14.56	165	31527	6.057	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.05	198	1221	4.810	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	24577	4.268	ng	# 1
77) Benzidine	19.92	184	30512	2.754	ng	# 91

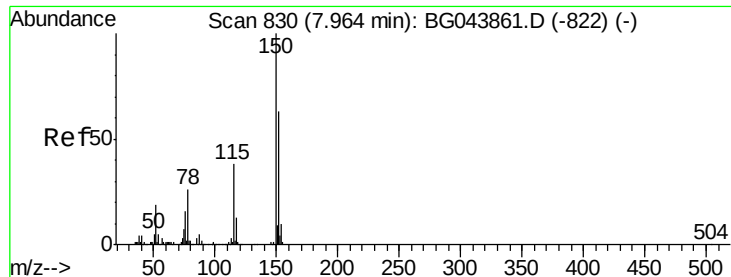
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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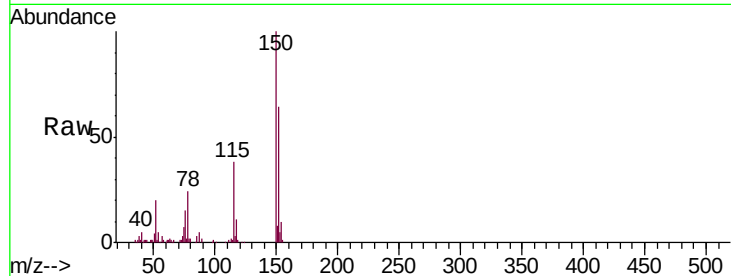


#1

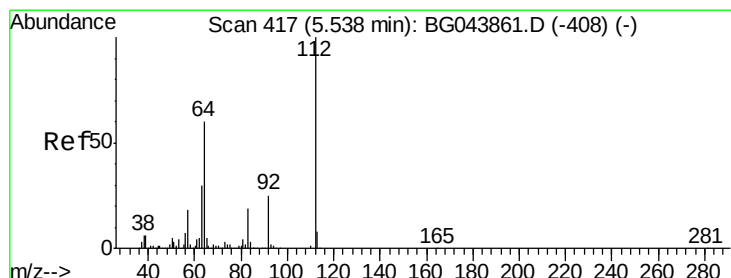
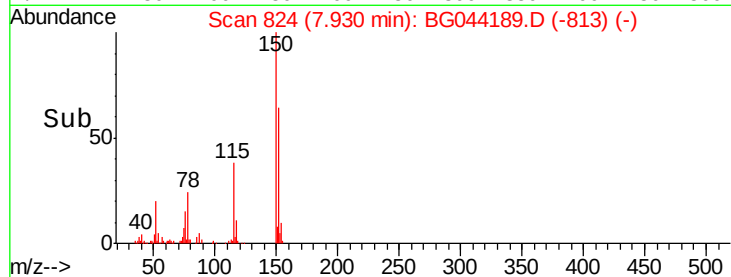
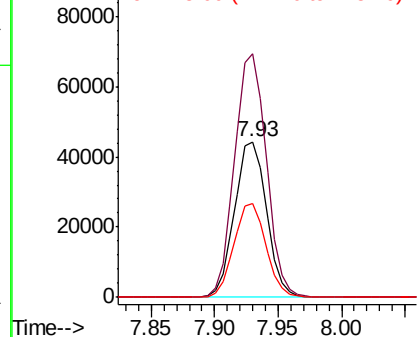
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044189.D
Acq: 24 Jan 2020 19:44

Instrument :
BNA_G
ClientSampleId :
TP-4-5-COMP

Tgt Ion:152 Resp: 77274
Ion Ratio Lower Upper
152 100
150 156.6 127.0 190.4
115 60.0 47.8 71.8



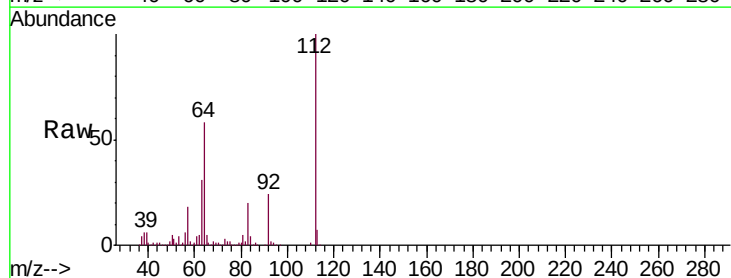
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



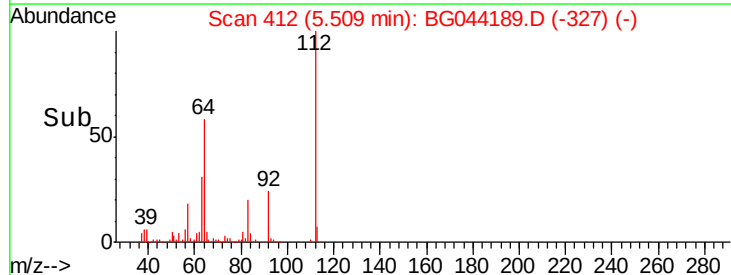
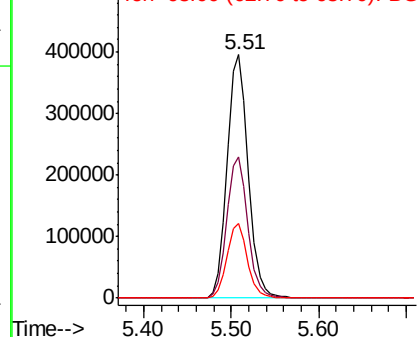
#5

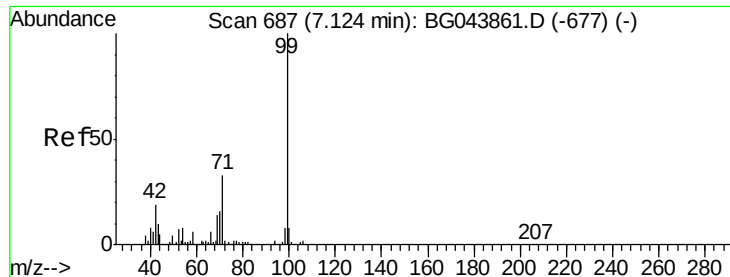
2-Fluorophenol
Concen: 157.011 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044189.D
Acq: 24 Jan 2020 19:44

Tgt Ion:112 Resp: 660790
Ion Ratio Lower Upper
112 100
64 58.0 47.8 71.6
63 30.8 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: 153.053 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044189.D

Acq: 24 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

TP-4-5-COMP

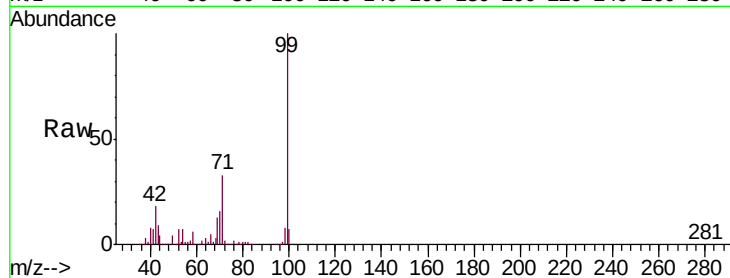
Tgt Ion: 99 Resp: 900380

Ion Ratio Lower Upper

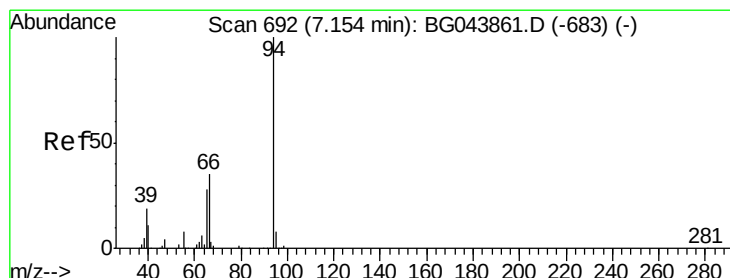
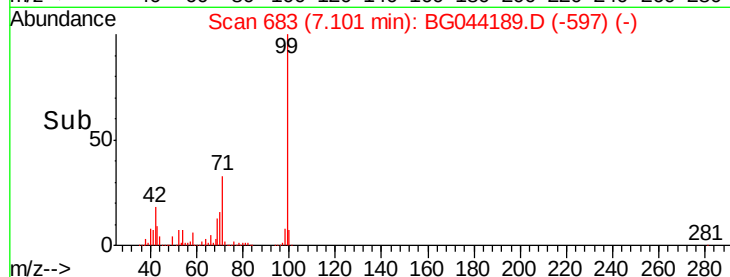
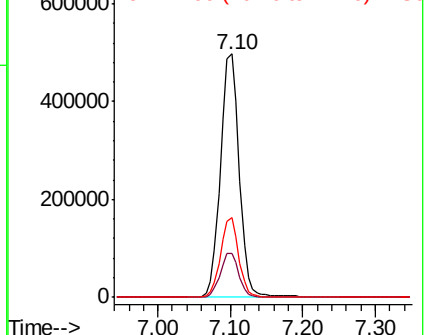
99 100

42 18.2 14.9 22.3

71 32.7 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: 4.276 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044189.D

Acq: 24 Jan 2020 19:44

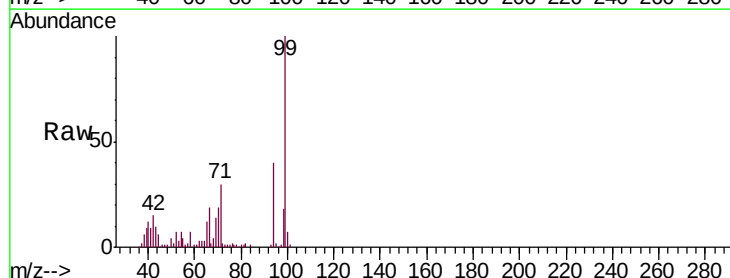
Tgt Ion: 94 Resp: 25916

Ion Ratio Lower Upper

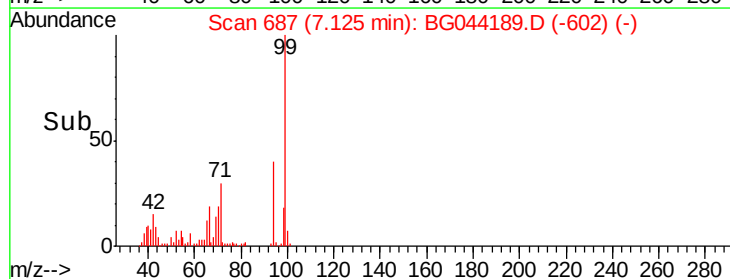
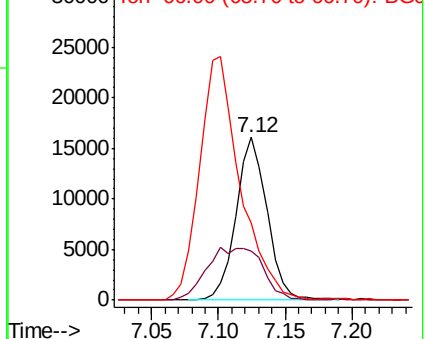
94 100

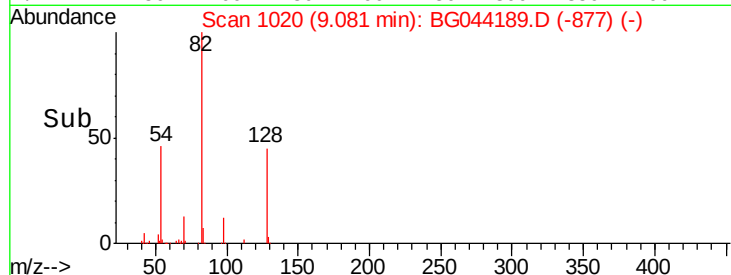
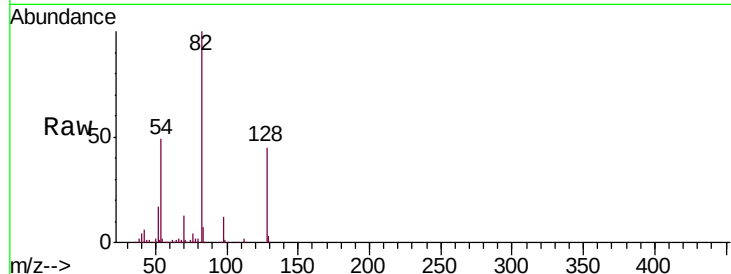
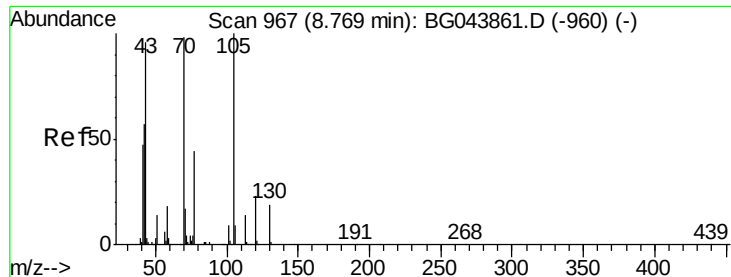
65 29.8 8.1 48.1

66 47.5 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

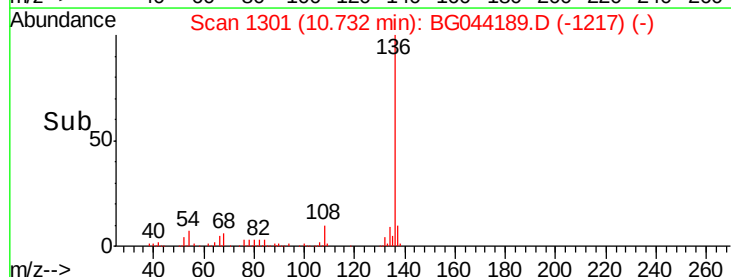
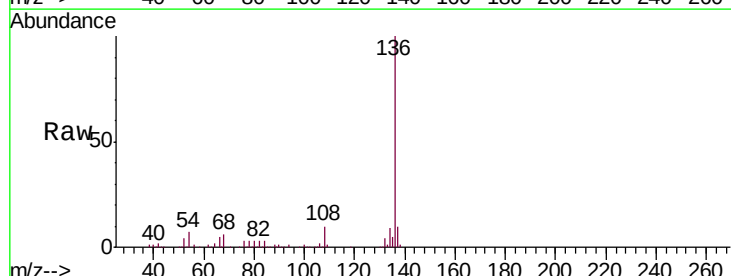
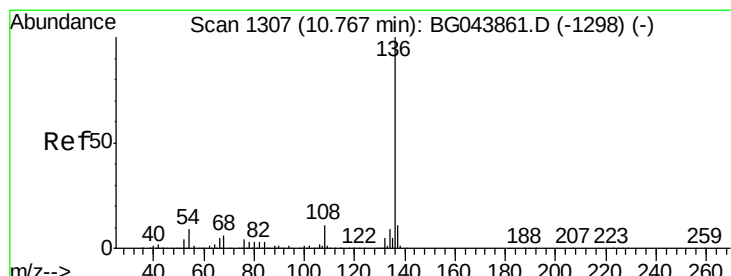
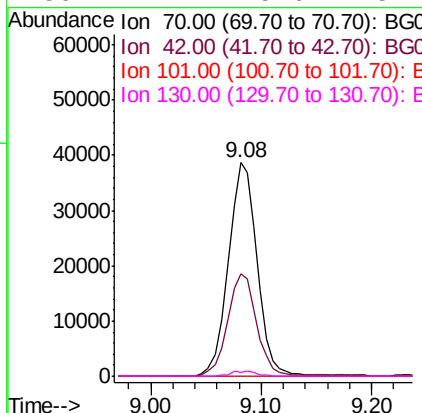




#19
n-Nitroso-di-n-propylamine
Concen: 16.081 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044189.D
Acq: 24 Jan 2020 19:44

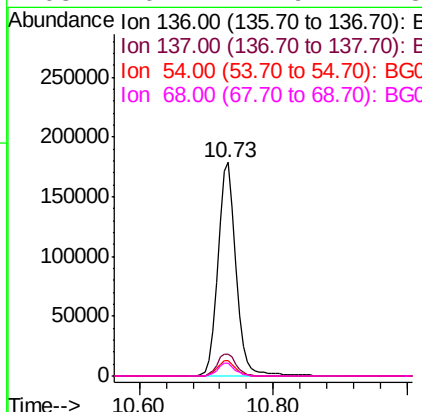
Instrument :
BNA_G
ClientSampleId :
TP-4-5-COMP

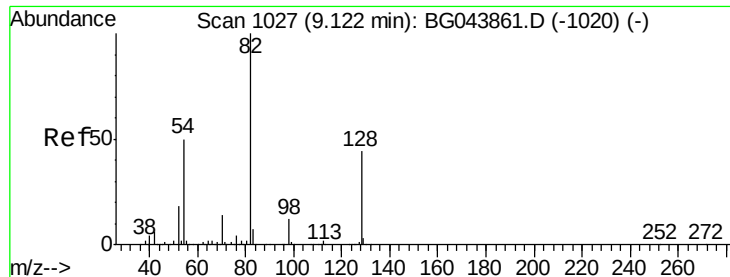
Tgt Ion: 70 Resp: 70450
Ion Ratio Lower Upper
70 100
42 48.0 47.0 70.4
101 0.0 7.2 10.8#
130 2.1 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044189.D
Acq: 24 Jan 2020 19:44

Tgt Ion: 136 Resp: 342665
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 7.0 7.0 10.4
68 6.1 4.9 7.3

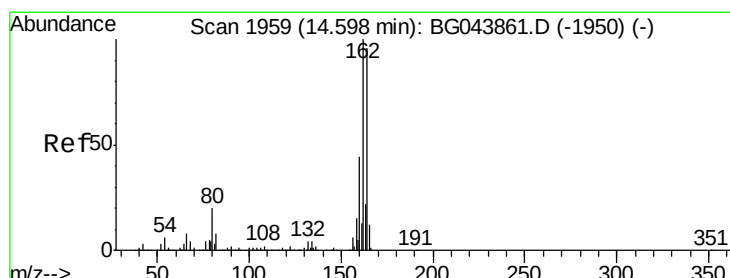
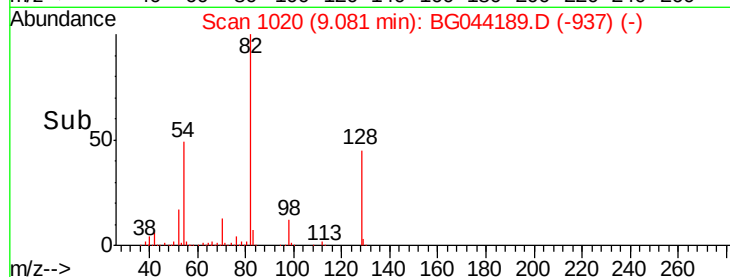
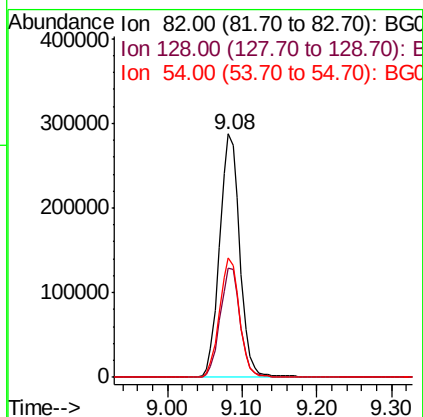
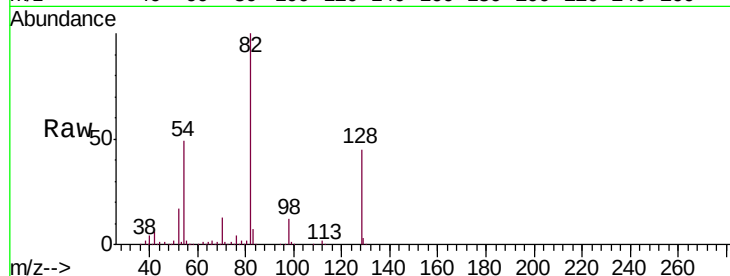




#23
Nitrobenzene-d5
Concen: 84.696 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BG044189.D
Acq: 24 Jan 2020 19:44

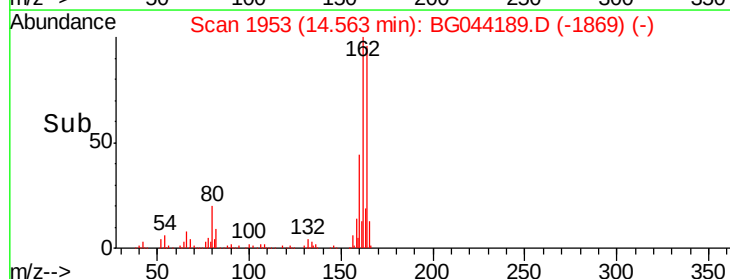
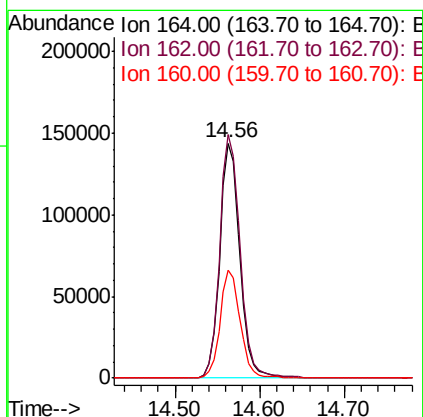
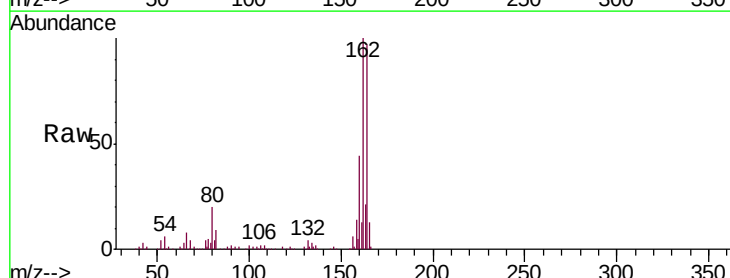
Instrument :
BNA_G
ClientSampleId :
TP-4-5-COMP

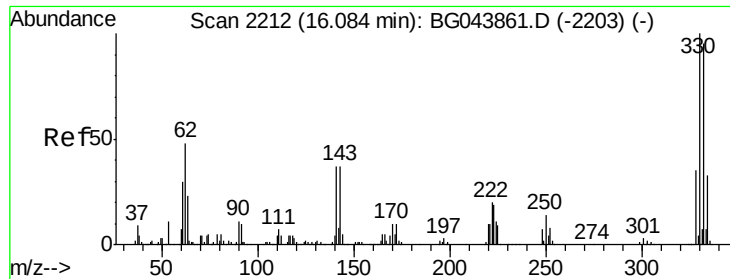
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.1	52.7
54	49.1	40.1	60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.03 min
Lab File: BG044189.D
Acq: 24 Jan 2020 19:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.4
160	45.9	36.1	54.1

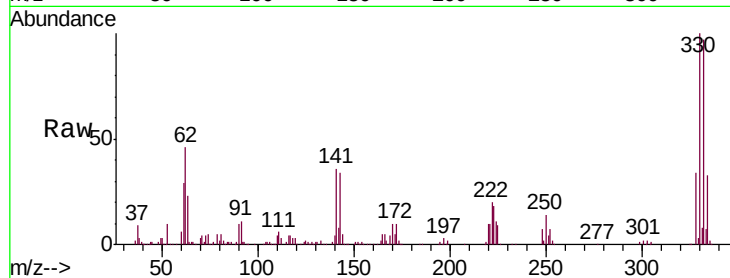




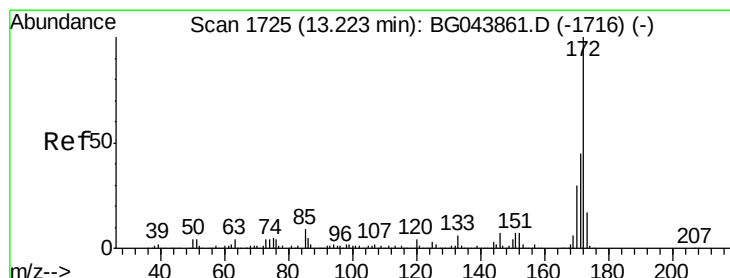
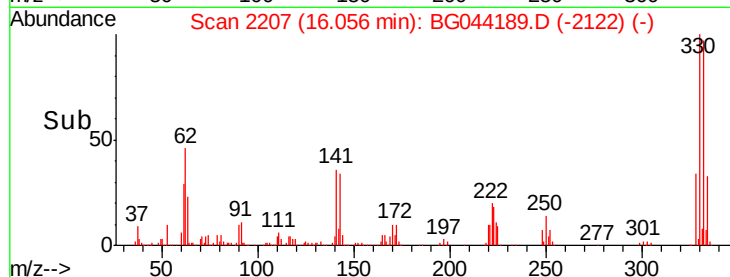
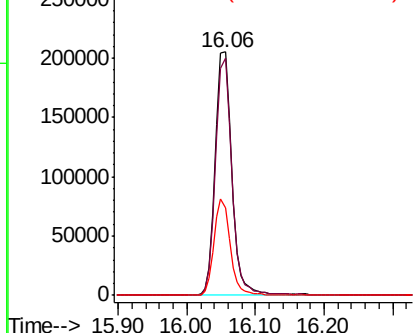
#42
 2,4,6-Tribromophenol
 Concen: 138.250 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044189.D
 Acq: 24 Jan 2020 19:44

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-5-COMP

Tgt Ion:330 Resp: 344870
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.2 115.8
 141 38.6 33.1 49.7

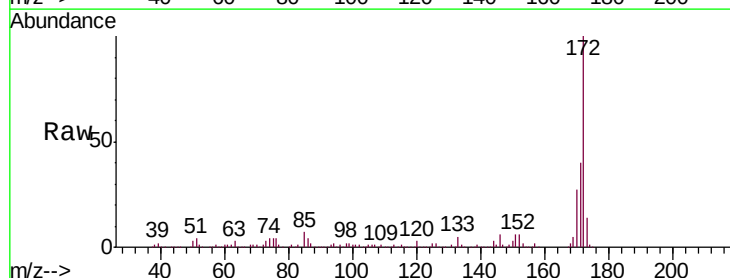


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

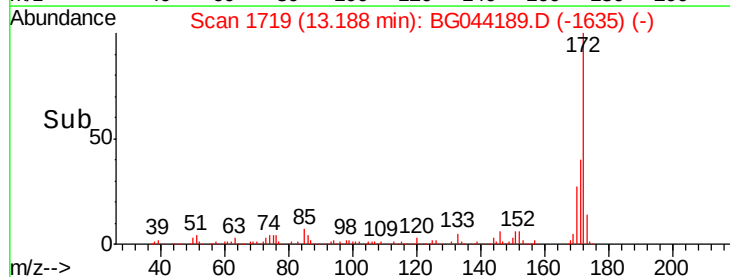
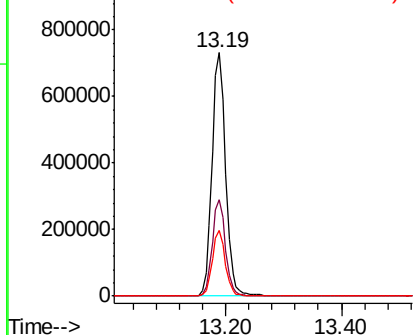


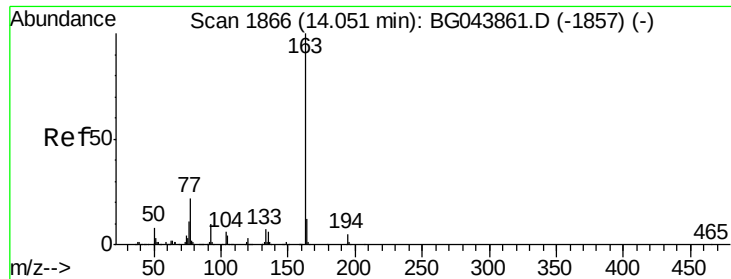
#45
 2-Fluorobiphenyl
 Concen: 92.062 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044189.D
 Acq: 24 Jan 2020 19:44

Tgt Ion:172 Resp: 1211260
 Ion Ratio Lower Upper
 172 100
 171 39.6 35.8 53.8
 170 27.1 24.2 36.4



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

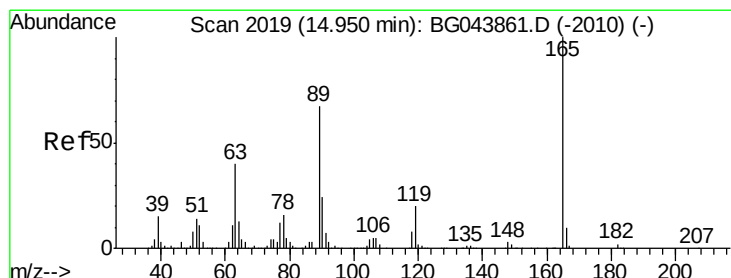
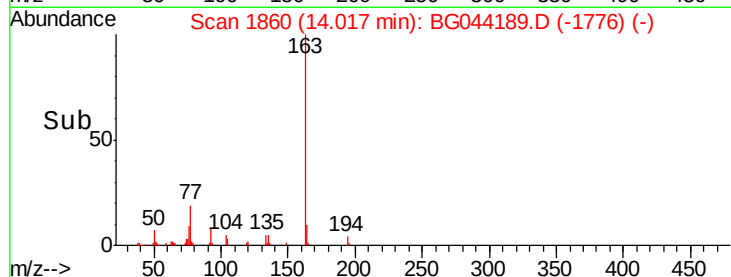
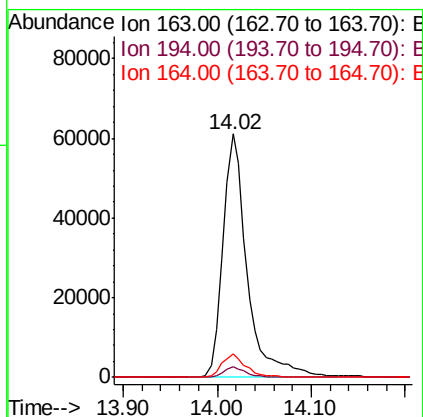
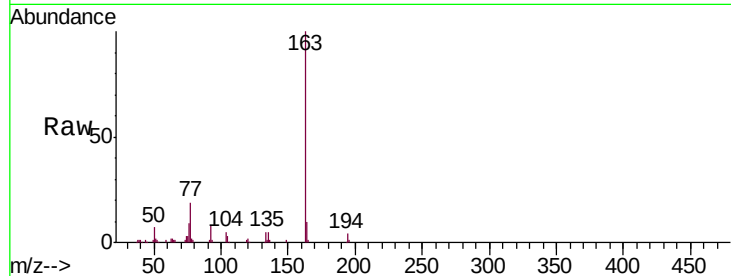




#50
Dimethylphthalate
Concen: 6.500 ng
RT: 14.02 min Scan# 1860
Delta R.T. -0.03 min
Lab File: BG044189.D
Acq: 24 Jan 2020 19:44

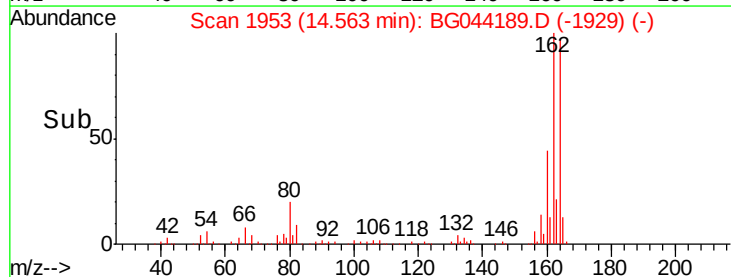
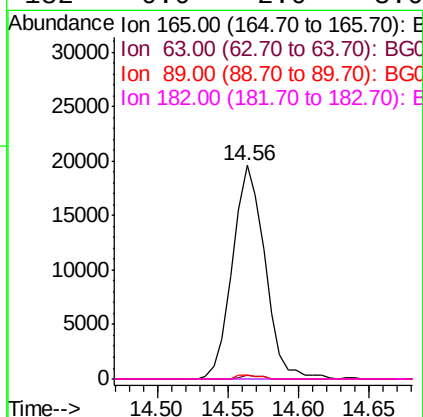
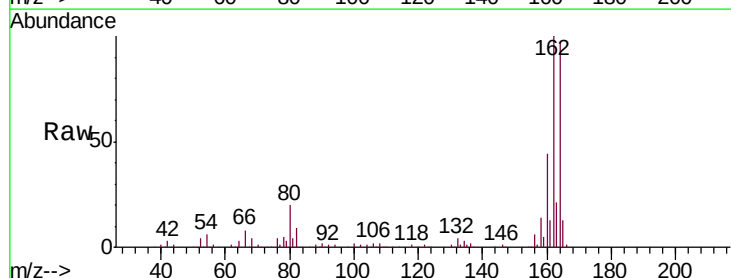
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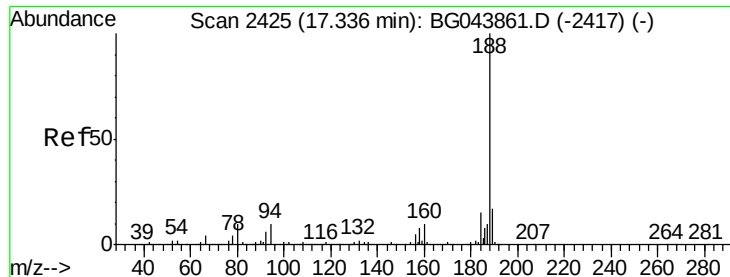
Tgt Ion:163 Resp: 110014
Ion Ratio Lower Upper
163 100
194 4.2 3.7 5.5
164 9.9 9.3 13.9



#57
2,4-Dinitrotoluene
Concen: 6.057 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.39 min
Lab File: BG044189.D
Acq: 24 Jan 2020 19:44

Tgt Ion:165 Resp: 31527
Ion Ratio Lower Upper
165 100
63 1.9 31.9 47.9#
89 1.9 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: BG044189.D

Acq: 24 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

TP-4-5-COMP

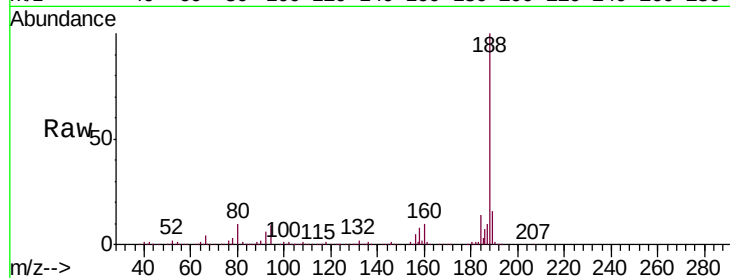
Tgt Ion:188 Resp: 512049

Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

80 10.5 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

17.31

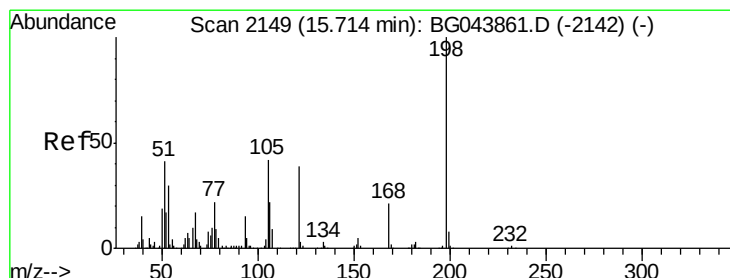
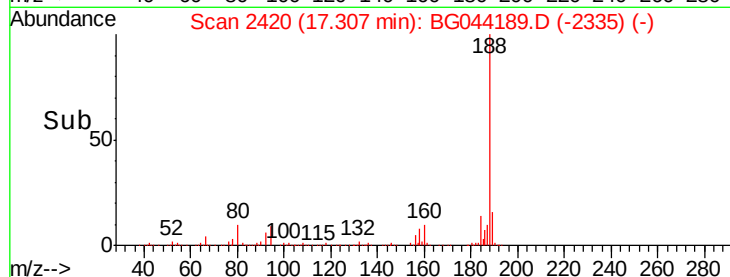
300000

200000

100000

0

Time--> 17.20 17.30 17.40



#65

4,6-Dinitro-2-methylphenol

Concen: 4.810 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044189.D

Acq: 24 Jan 2020 19:44

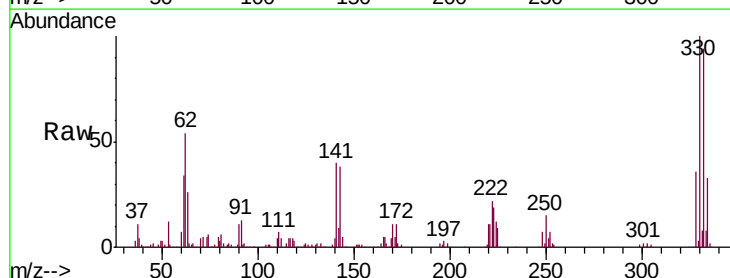
Tgt Ion:198 Resp: 1221

Ion Ratio Lower Upper

198 100

51 116.7 22.5 62.5#

105 128.3 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

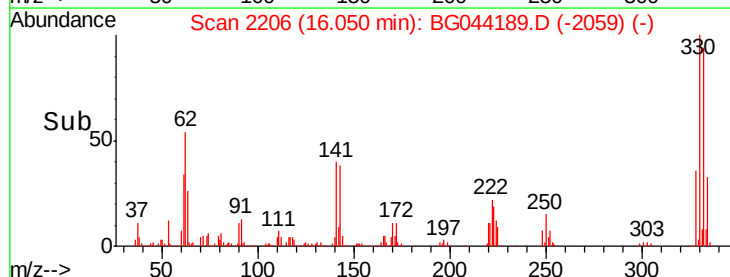
1500

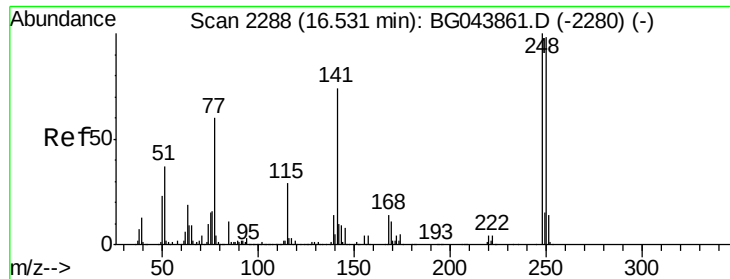
1000

500

0

Time--> 16.00 16.05

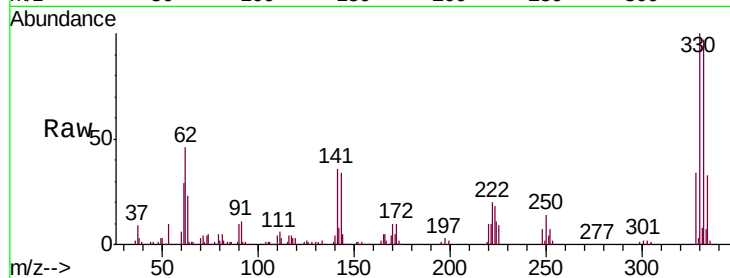




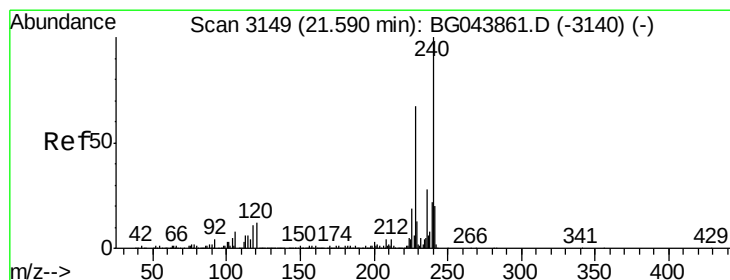
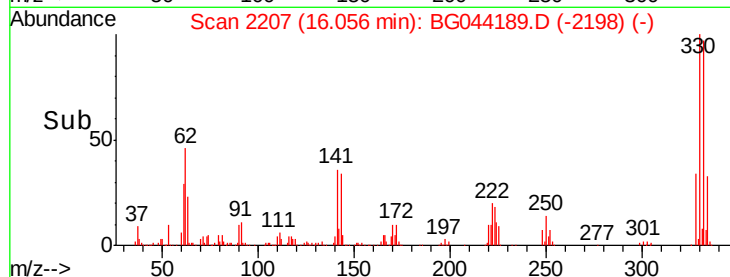
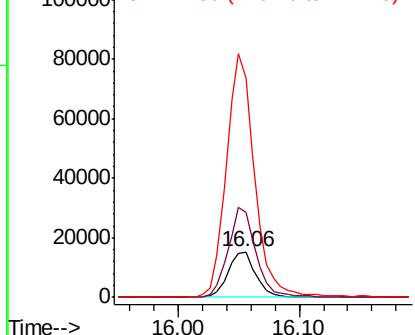
#67
 4-Bromophenyl-phenylether
 Concen: 4.268 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044189.D
 Acq: 24 Jan 2020 19:44

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-5-COMP

Tgt Ion:248 Resp: 24577
 Ion Ratio Lower Upper
 248 100
 250 188.0 78.2 117.2#
 141 483.8 59.3 88.9#

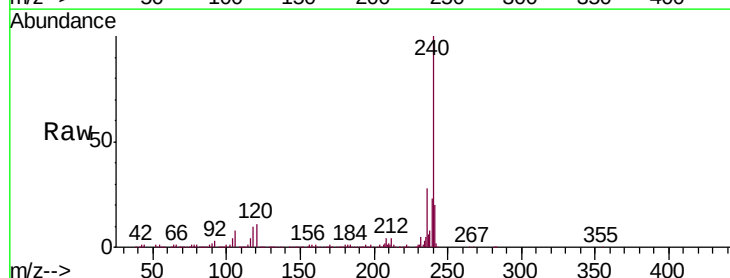


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

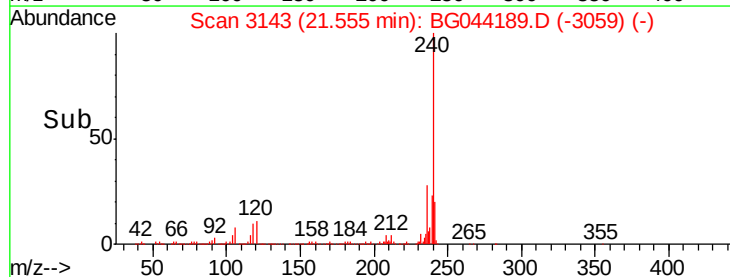
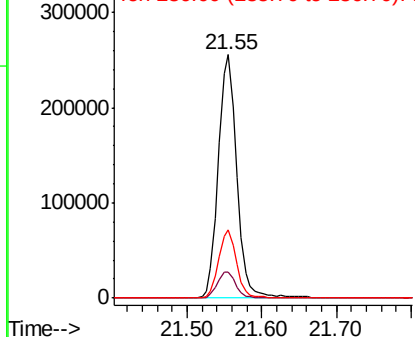


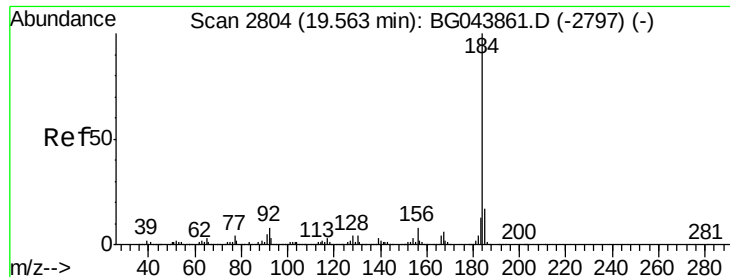
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044189.D
 Acq: 24 Jan 2020 19:44

Tgt Ion:240 Resp: 440751
 Ion Ratio Lower Upper
 240 100
 120 10.5 9.6 14.4
 236 27.8 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: 2.754 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044189.D

Acq: 24 Jan 2020 19:44

Instrument :

BNA_G

ClientSampleId :

TP-4-5-COMP

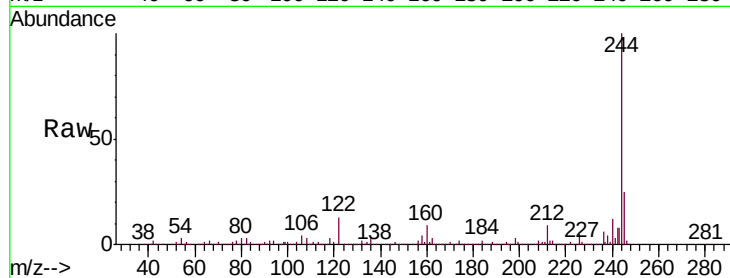
Tgt Ion:184 Resp: 30512

Ion Ratio Lower Upper

184 100

185 17.2 13.4 20.0

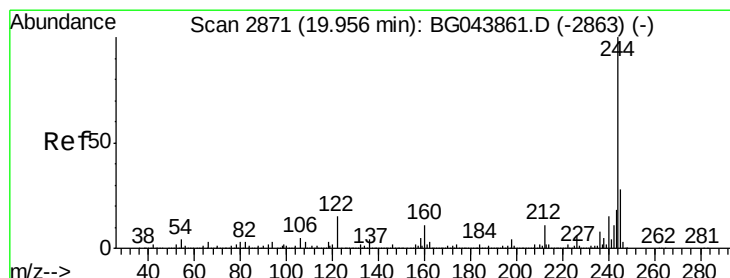
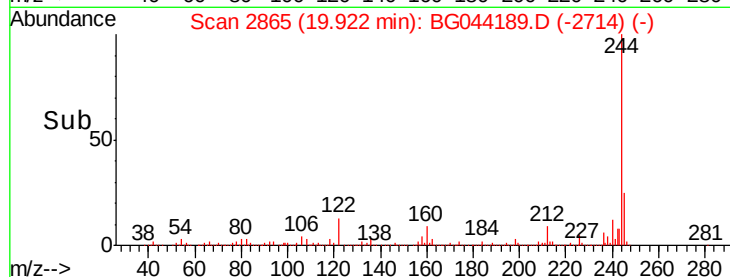
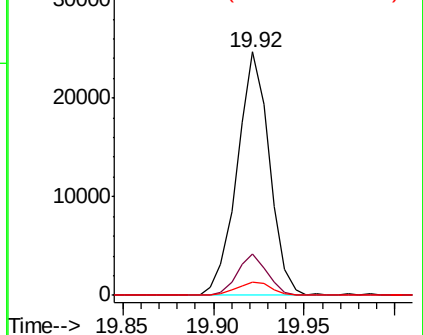
183 5.5 10.6 15.8#



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: 97.707 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044189.D

Acq: 24 Jan 2020 19:44

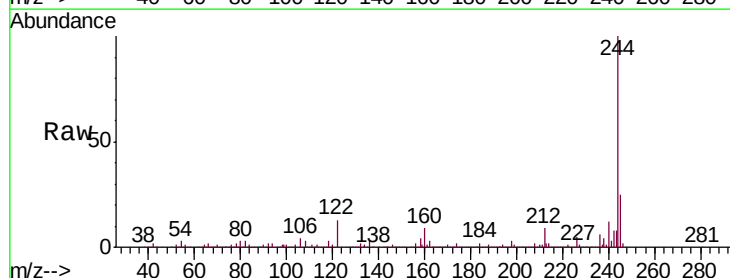
Tgt Ion:244 Resp: 1718941

Ion Ratio Lower Upper

244 100

212 9.0 8.6 13.0

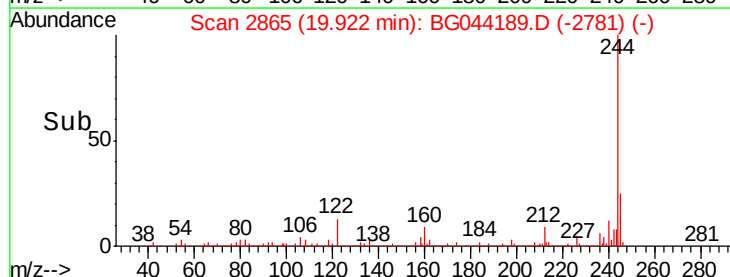
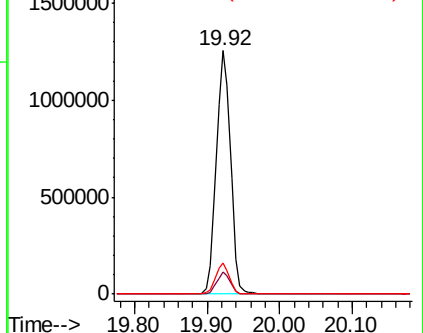
122 12.7 11.9 17.9

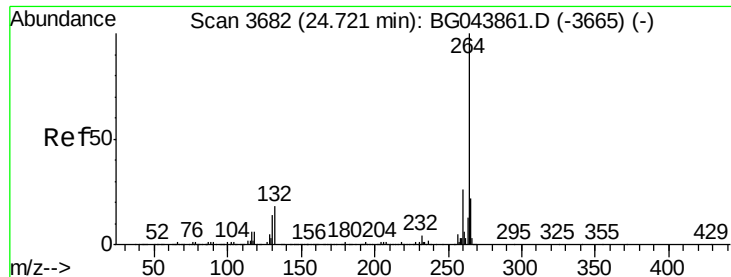


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG044189.D
Acq: 24 Jan 2020 19:44

Instrument :
BNA_G
ClientSampleId :
TP-4-5-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.4	30.6
265	21.0	17.4	26.2

