

Data File : BG044188.D
Acq On : 24 Jan 2020 19:04
Operator : CG/JU
Sample : L1247-37
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-19-18-COMP

Quant Time: Jan 25 05:38:15 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

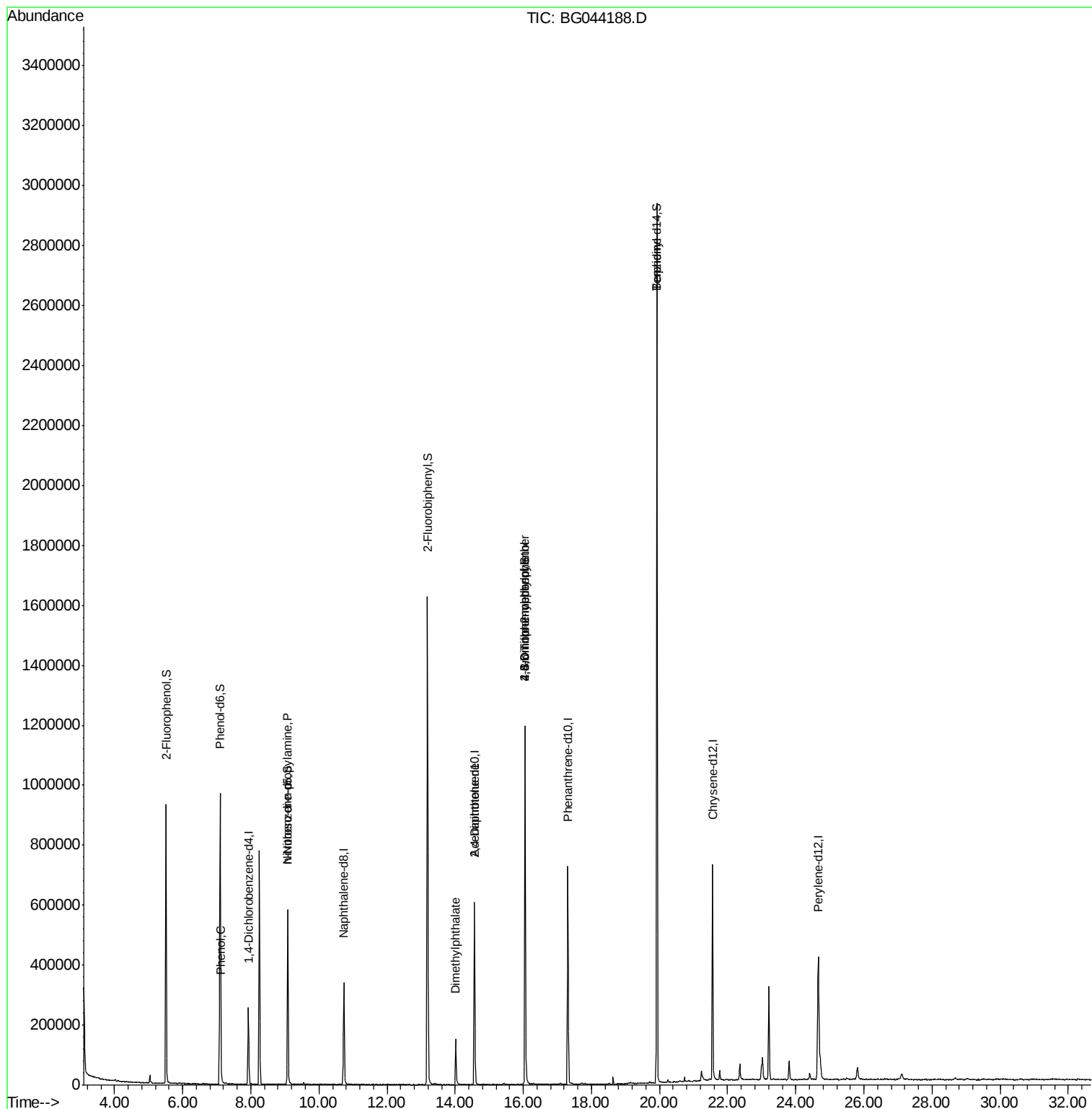
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	75509	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	335087	20.00	ng	-0.04
39) Acenaphthene-d10	14.56	164	228340	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	476828	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	412125	20.00	ng	-0.03
87) Perylene-d12	24.66	264	457367	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	457863	111.34	ng	-0.03
7) Phenol-d6	7.10	99	633512	110.21	ng	-0.03
23) Nitrobenzene-d5	9.08	82	389592	62.20	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	231922	97.06	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	932364	73.98	ng	-0.03
79) Terphenyl-d14	19.92	244	1350885	77.05	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	25955	4.382	ng	92
19) n-Nitroso-di-n-propylamine	9.08	70	49952	11.668	ng	# 78
50) Dimethylphthalate	14.02	163	131285	8.097	ng	# 96
57) 2,4-Dinitrotoluene	14.56	165	30068	6.030	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.04	198	675	4.639	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	16184	3.018	ng	# 1
77) Benizidine	19.92	184	21610	2.086	ng	# 91

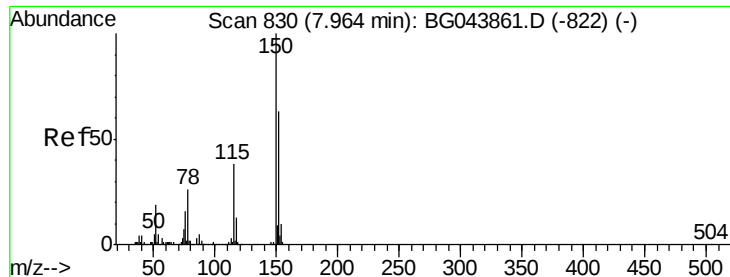
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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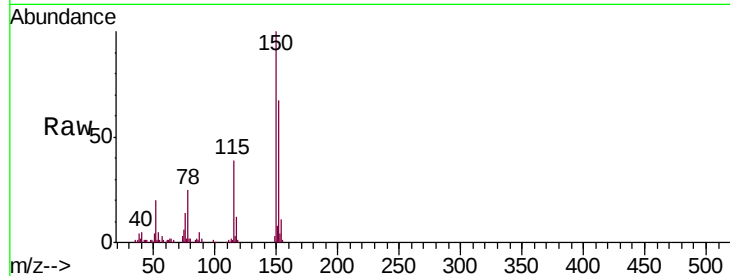


#1

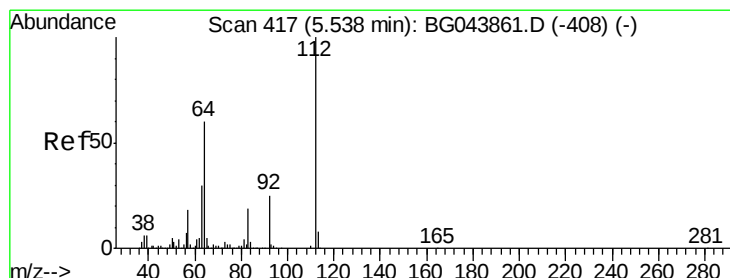
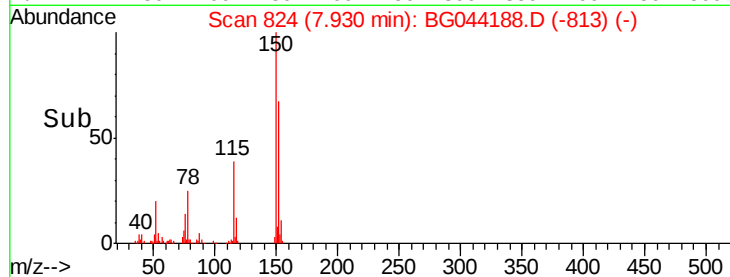
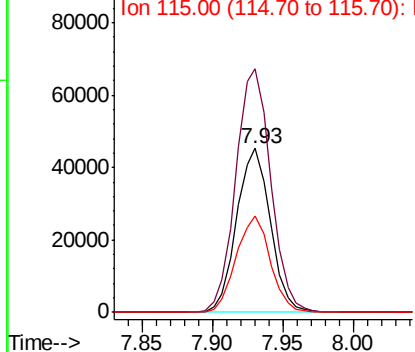
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044188.D
Acq: 24 Jan 2020 19:04

Instrument :
BNA_G
ClientSampleId :
TP-19-18-COMP

Tgt Ion:152 Resp: 75509
Ion Ratio Lower Upper
152 100
150 148.7 127.0 190.4
115 58.5 47.8 71.8



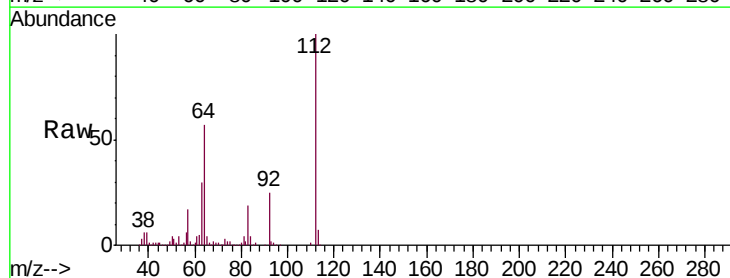
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



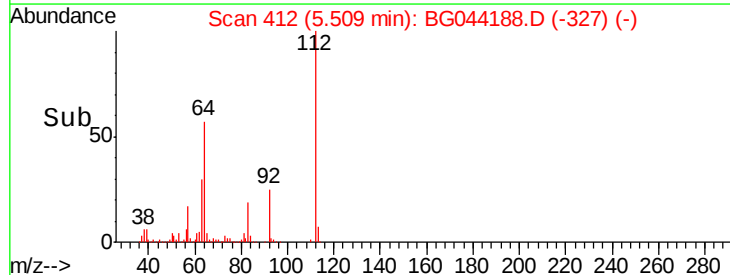
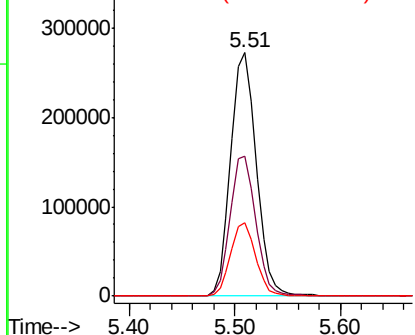
#5

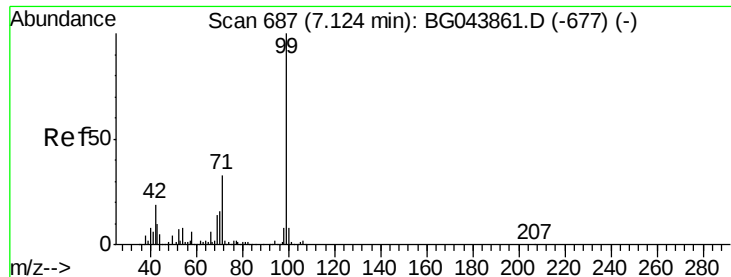
2-Fluorophenol
Concen: 111.337 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044188.D
Acq: 24 Jan 2020 19:04

Tgt Ion:112 Resp: 457863
Ion Ratio Lower Upper
112 100
64 57.4 47.8 71.6
63 30.1 24.3 36.5



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





#7

Phenol-d6

Concen: 110.206 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044188.D

Acq: 24 Jan 2020 19:04

Instrument :

BNA_G

ClientSampleId :

TP-19-18-COMP

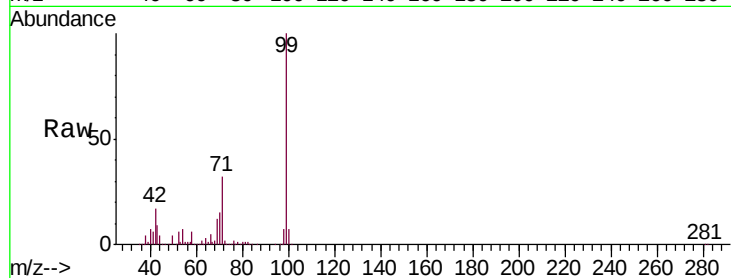
Tgt Ion: 99 Resp: 633512

Ion Ratio Lower Upper

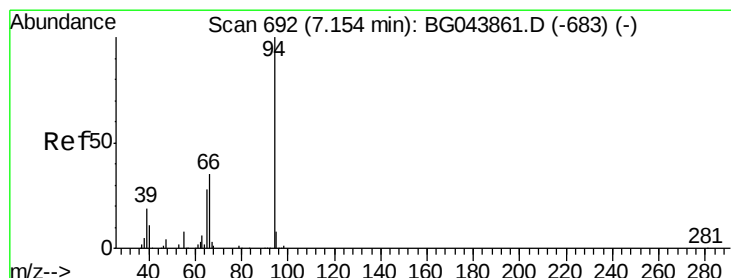
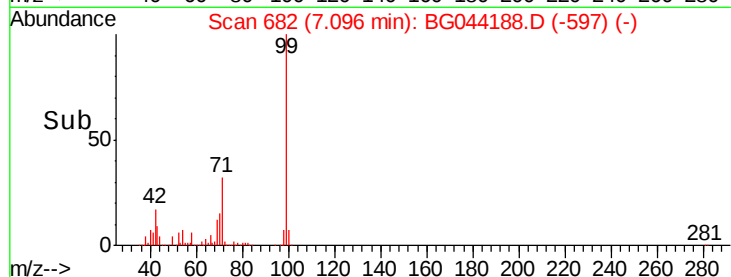
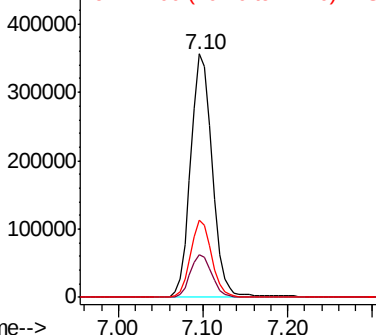
99 100

42 17.3 14.9 22.3

71 31.5 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: 4.382 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044188.D

Acq: 24 Jan 2020 19:04

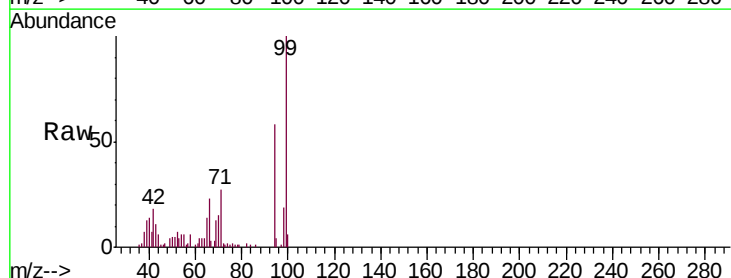
Tgt Ion: 94 Resp: 25955

Ion Ratio Lower Upper

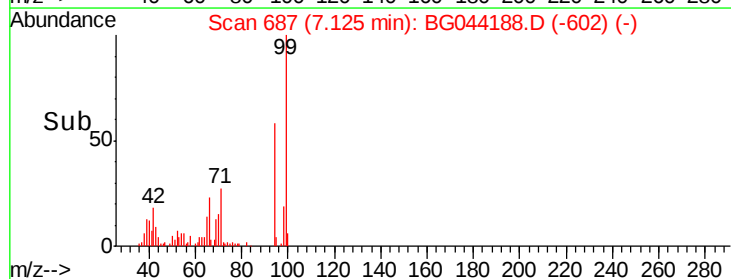
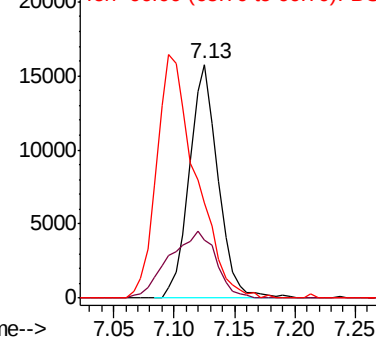
94 100

65 24.9 8.1 48.1

66 40.7 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

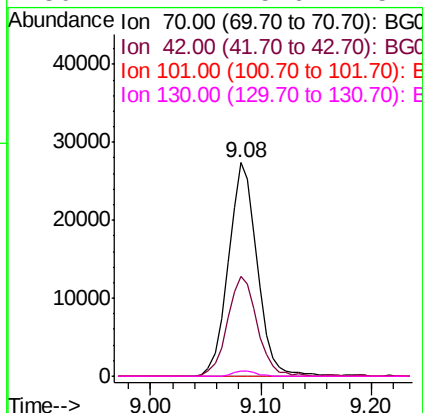
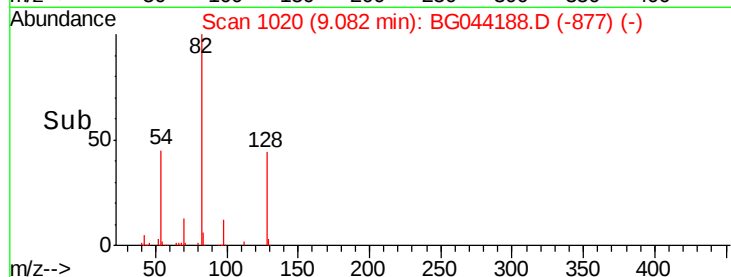
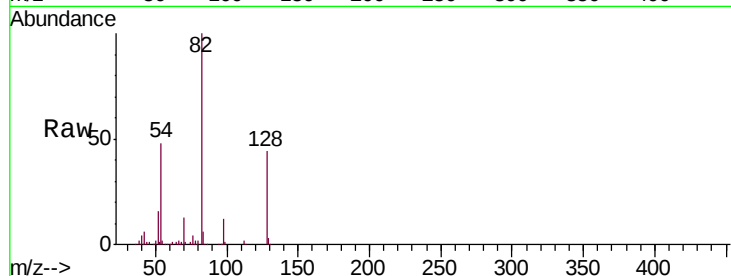




#19
n-Nitroso-di-n-propylamine
Concen: 11.668 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044188.D
Acq: 24 Jan 2020 19:04

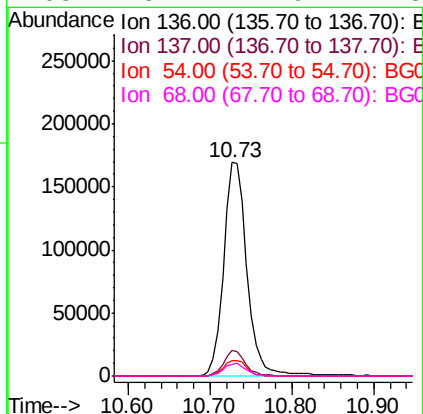
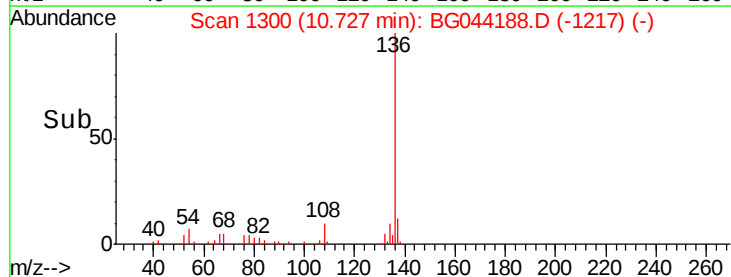
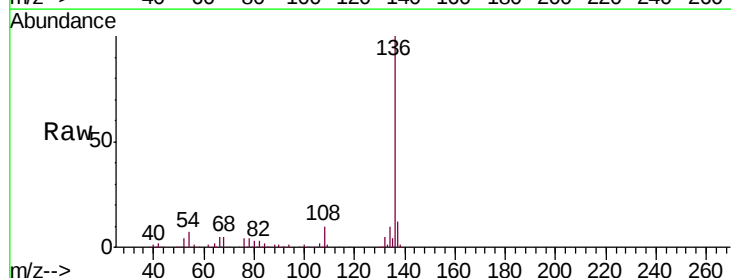
Instrument :
BNA_G
ClientSampleId :
TP-19-18-COMP

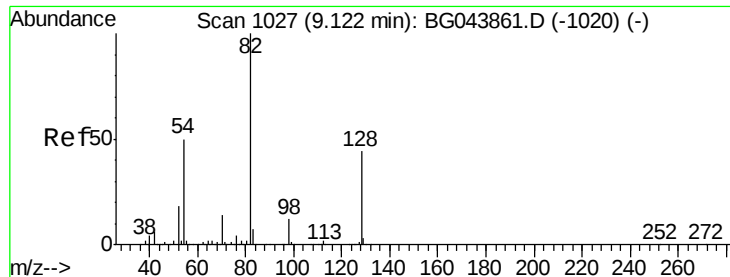
Tgt Ion: 70 Resp: 49952
Ion Ratio Lower Upper
70 100
42 46.5 47.0 70.4#
101 0.0 7.2 10.8#
130 2.1 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.04 min
Lab File: BG044188.D
Acq: 24 Jan 2020 19:04

Tgt Ion: 136 Resp: 335087
Ion Ratio Lower Upper
136 100
137 12.0 8.8 13.2
54 7.3 7.0 10.4
68 5.4 4.9 7.3

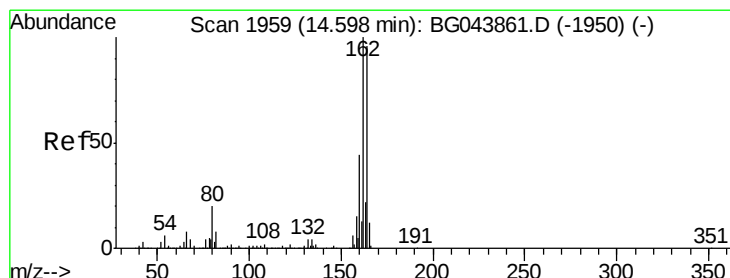
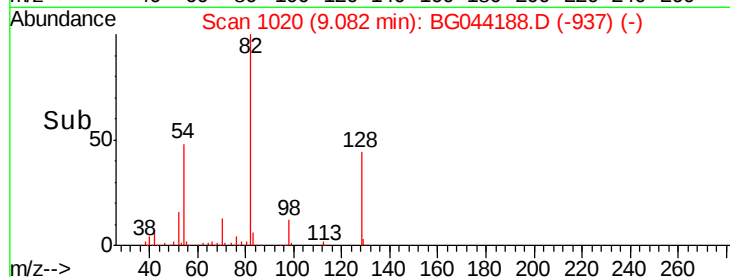
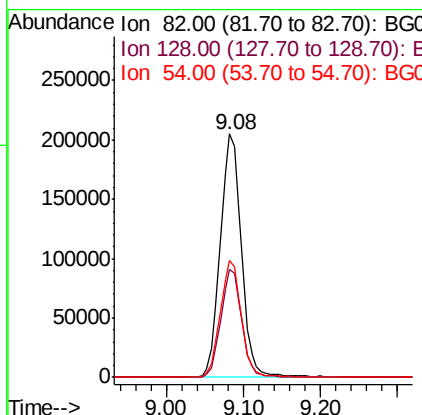
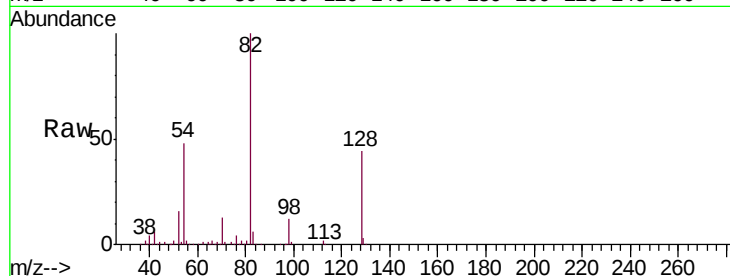




#23
 Nitrobenzene-d5
 Concen: 62.197 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.04 min
 Lab File: BG044188.D
 Acq: 24 Jan 2020 19:04

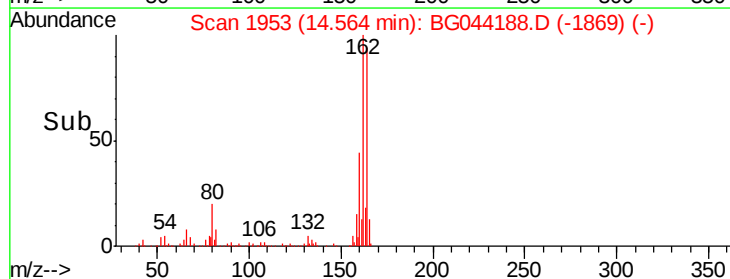
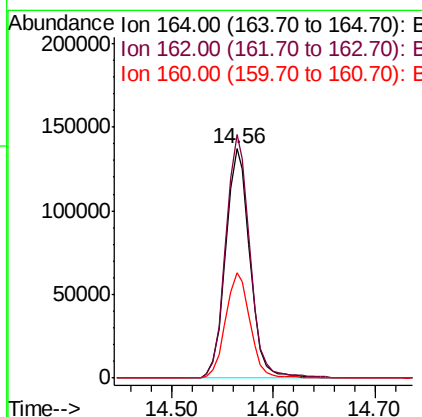
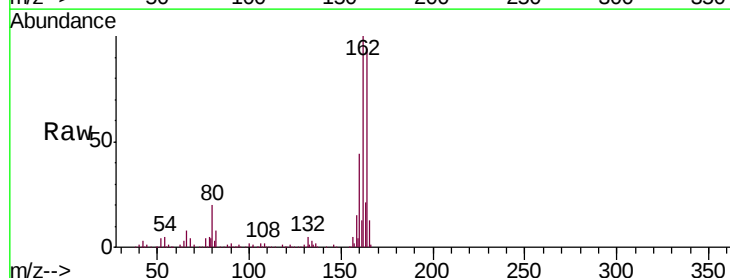
Instrument :
 BNA_G
 ClientSampleId :
 TP-19-18-COMP

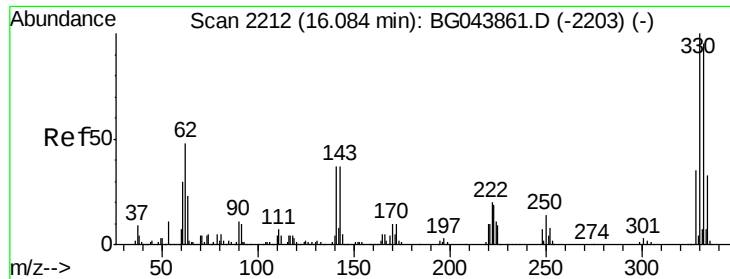
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.1	52.7
54	48.2	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.03 min
 Lab File: BG044188.D
 Acq: 24 Jan 2020 19:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	83.0	124.4
160	46.2	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 97.058 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BG044188.D

Acq: 24 Jan 2020 19:04

Instrument :

BNA_G

ClientSampleId :

TP-19-18-COMP

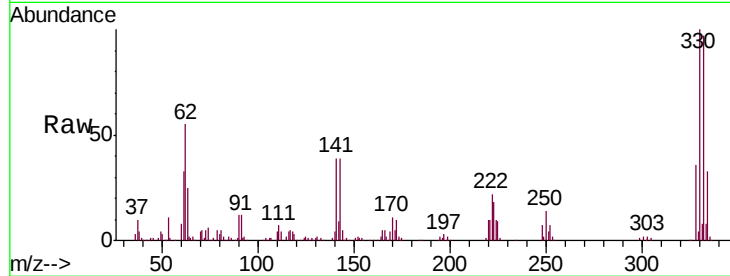
Tgt Ion:330 Resp: 231922

Ion Ratio Lower Upper

330 100

332 96.1 77.2 115.8

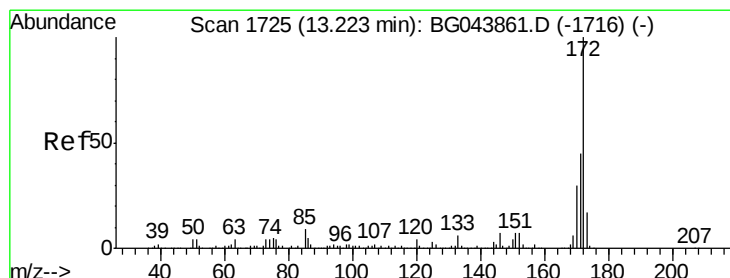
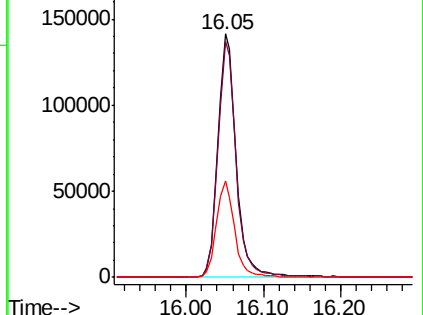
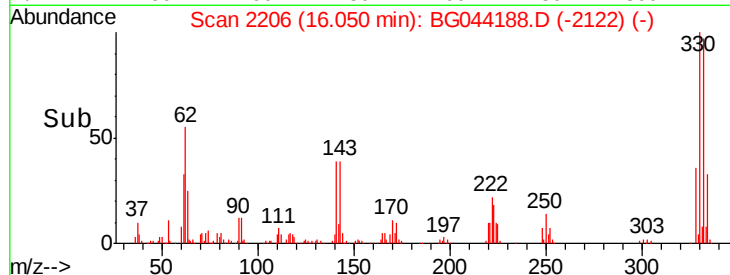
141 39.1 33.1 49.7



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: 73.979 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044188.D

Acq: 24 Jan 2020 19:04

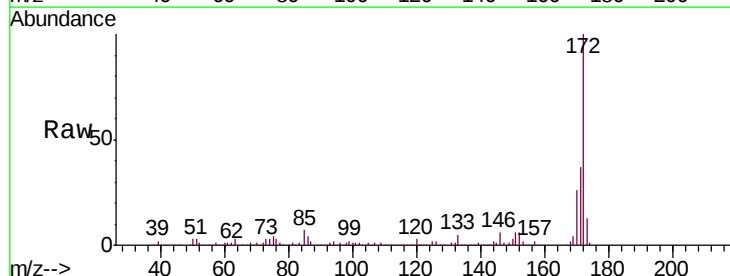
Tgt Ion:172 Resp: 932364

Ion Ratio Lower Upper

172 100

171 37.0 35.8 53.8

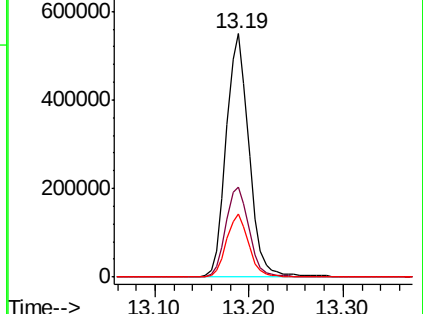
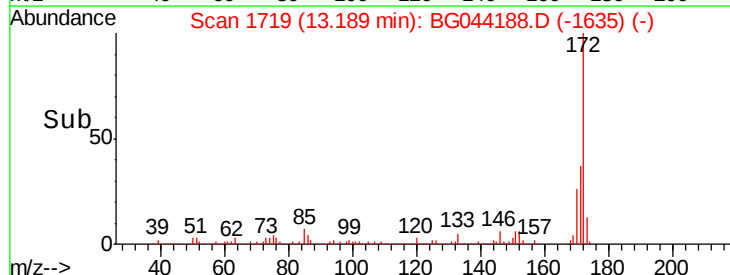
170 25.8 24.2 36.4

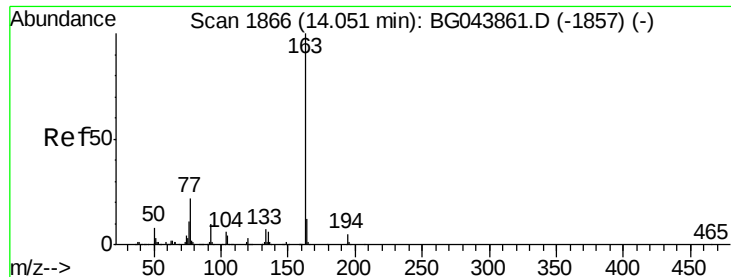


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.097 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044188.D

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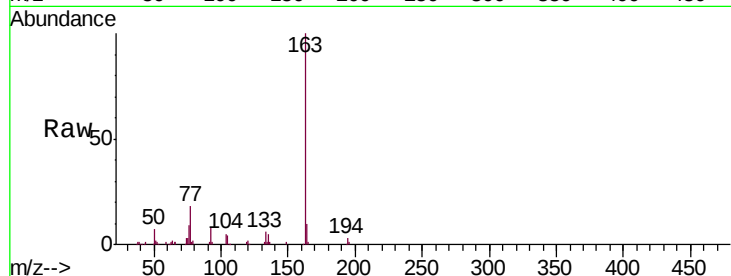
Tgt Ion:163 Resp: 131285

Ion Ratio Lower Upper

163 100

194 3.3 3.7 5.5#

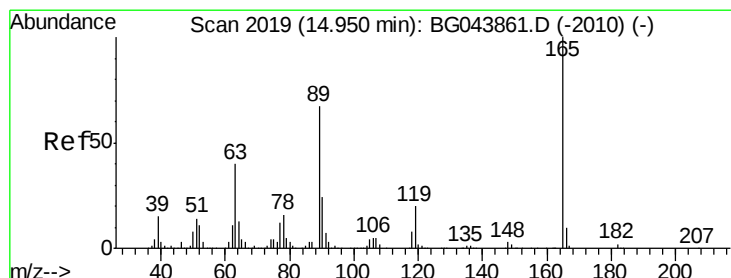
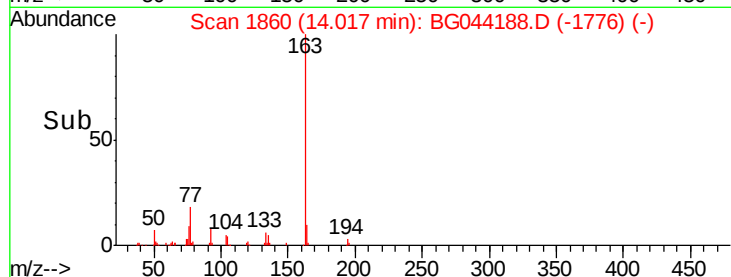
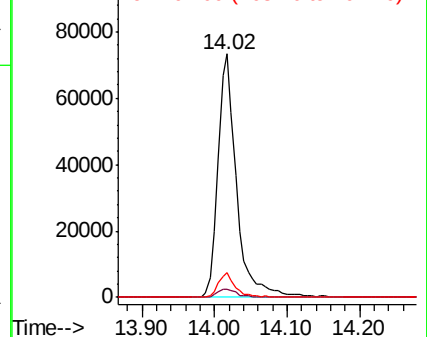
164 10.2 9.3 13.9



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



#57

2,4-Dinitrotoluene

Concen: 6.030 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044188.D

Acq: 24 Jan 2020 19:04

Tgt Ion:165 Resp: 30068

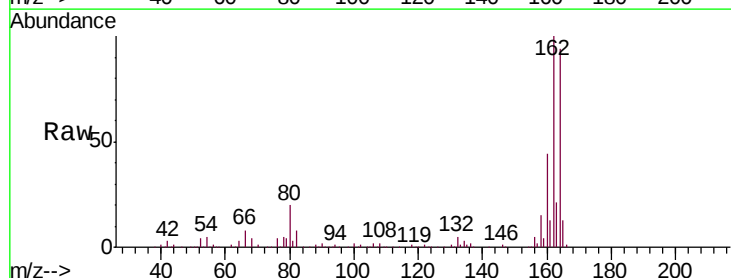
Ion Ratio Lower Upper

165 100

63 0.8 31.9 47.9#

89 1.1 53.8 80.6#

182 0.0 2.0 3.0#

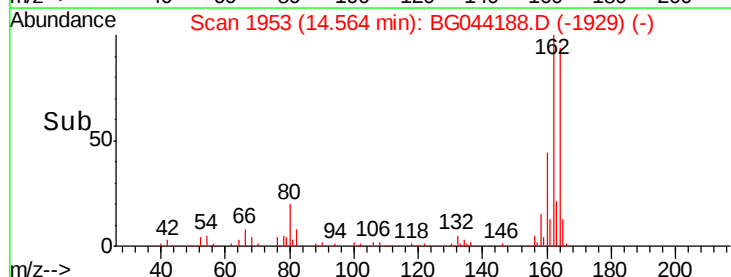
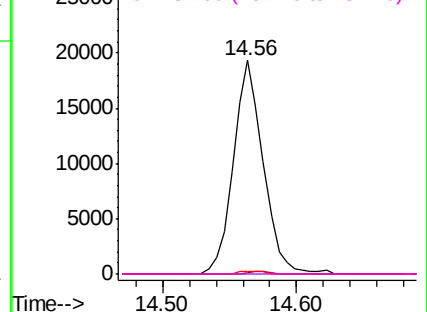


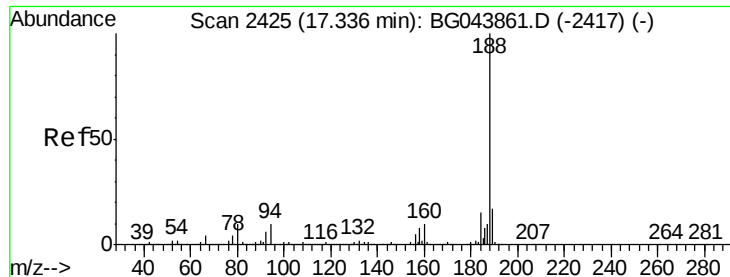
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG044188.D

Acq: 24 Jan 2020 19:04

Instrument :

BNA_G

ClientSampleId :

TP-19-18-COMP

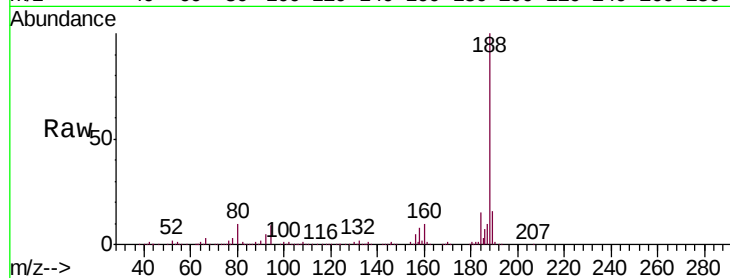
Tgt Ion:188 Resp: 476828

Ion Ratio Lower Upper

188 100

94 8.8 7.9 11.9

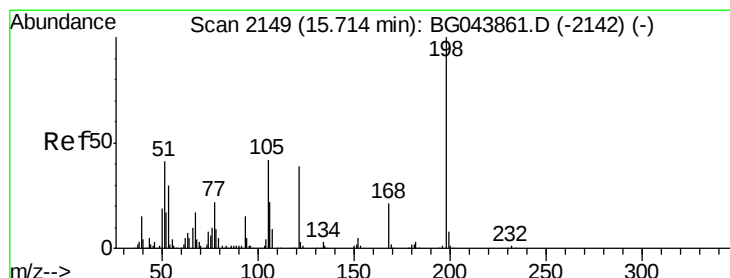
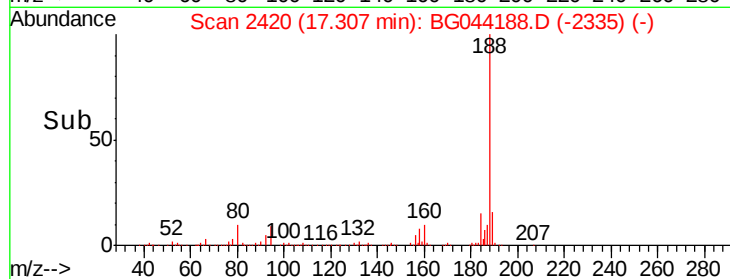
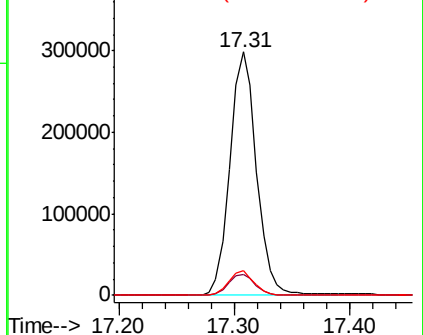
80 10.1 8.2 12.4



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: 4.639 ng

RT: 16.04 min Scan# 2205

Delta R.T. 0.33 min

Lab File: BG044188.D

Acq: 24 Jan 2020 19:04

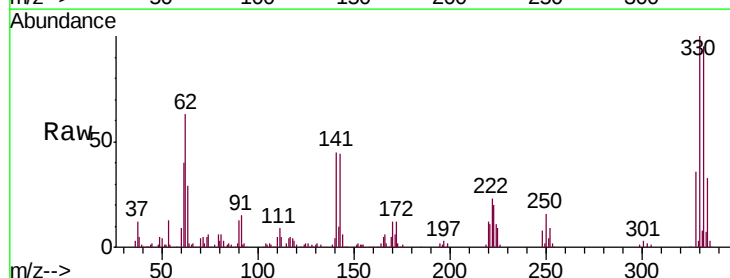
Tgt Ion:198 Resp: 675

Ion Ratio Lower Upper

198 100

51 132.2 22.5 62.5#

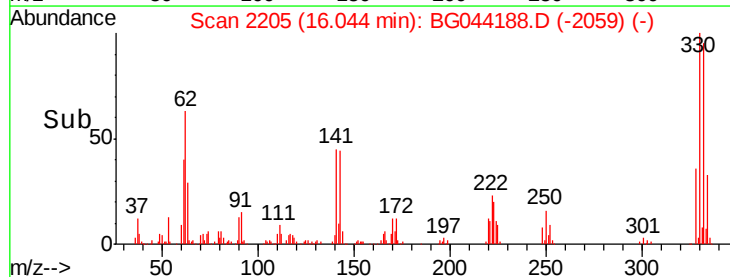
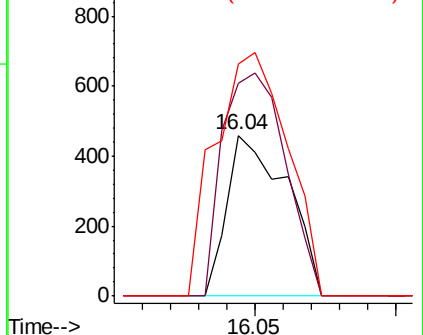
105 144.4 22.3 62.3#

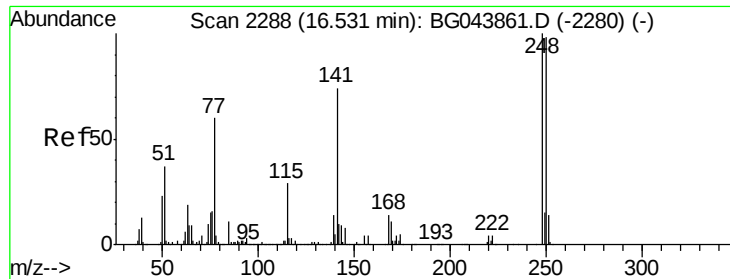


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

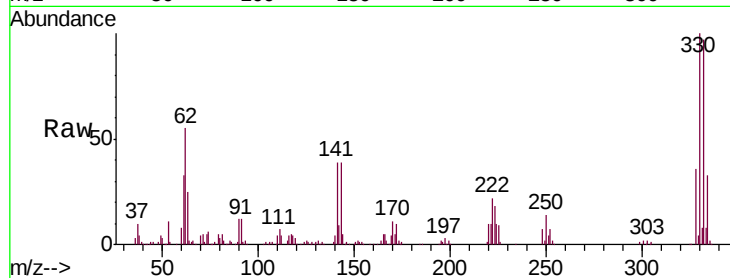




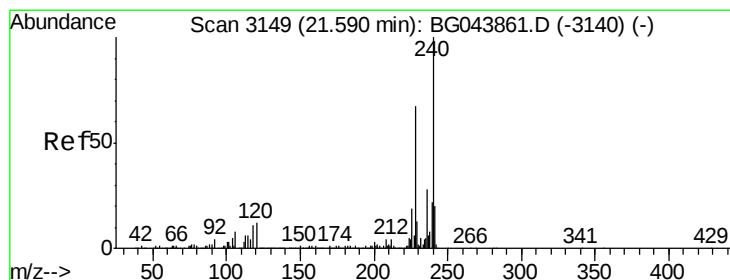
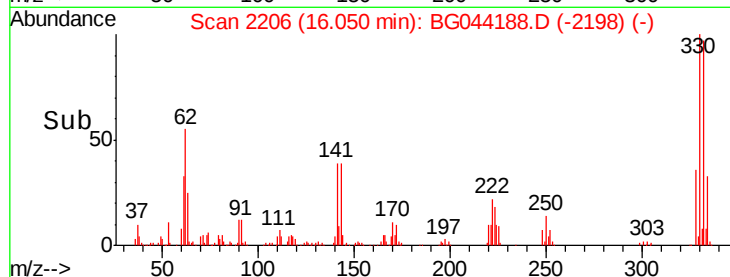
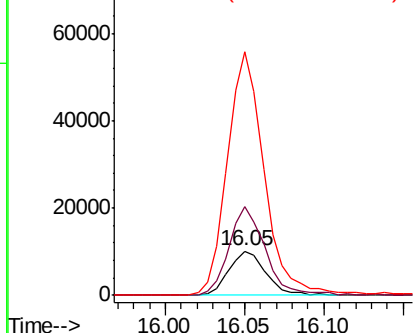
#67
 4-Bromophenyl-phenylether
 Concen: 3.018 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044188.D
 Acq: 24 Jan 2020 19:04

Instrument :
 BNA_G
 ClientSampleId :
 TP-19-18-COMP

Tgt Ion:248 Resp: 16184
 Ion Ratio Lower Upper
 248 100
 250 200.3 78.2 117.2#
 141 549.7 59.3 88.9#

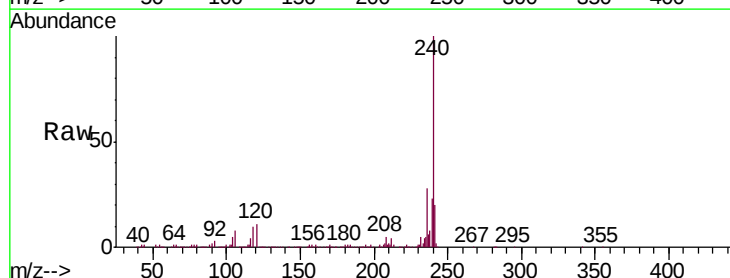


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

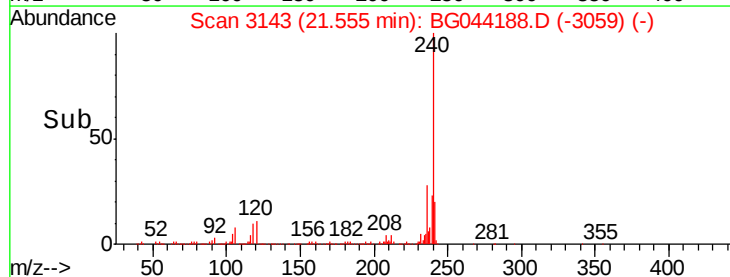
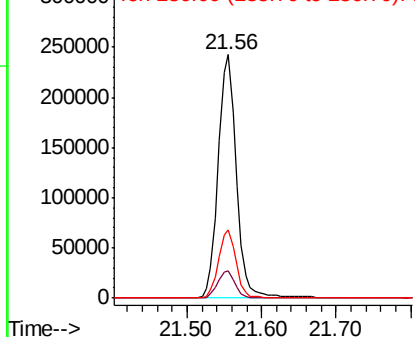


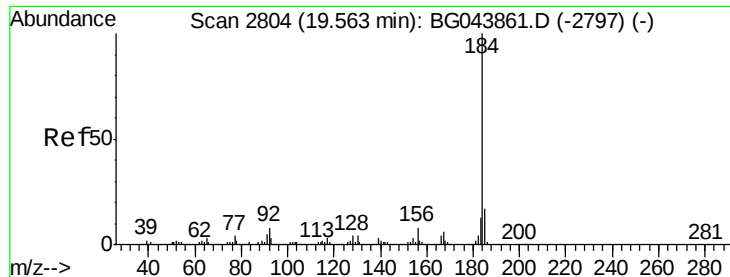
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044188.D
 Acq: 24 Jan 2020 19:04

Tgt Ion:240 Resp: 412125
 Ion Ratio Lower Upper
 240 100
 120 11.3 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: 2.086 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044188.D

Acq: 24 Jan 2020 19:04

Instrument :

BNA_G

ClientSampleId :

TP-19-18-COMP

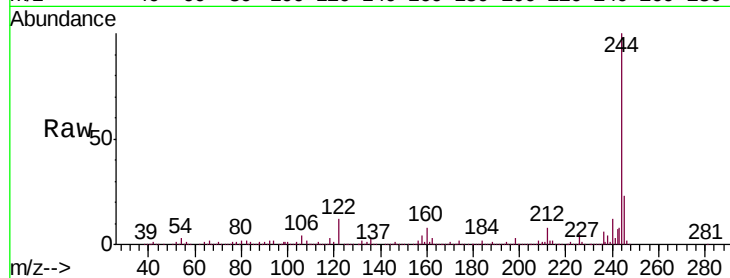
Tgt Ion:184 Resp: 21610

Ion Ratio Lower Upper

184 100

185 15.4 13.4 20.0

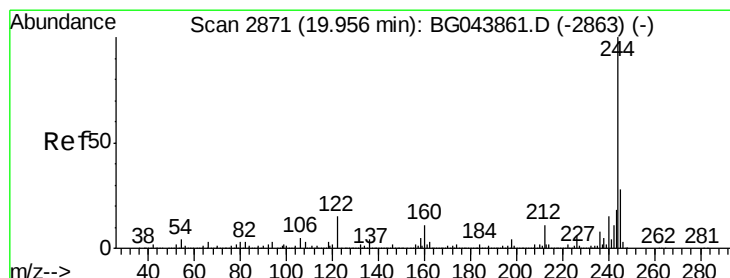
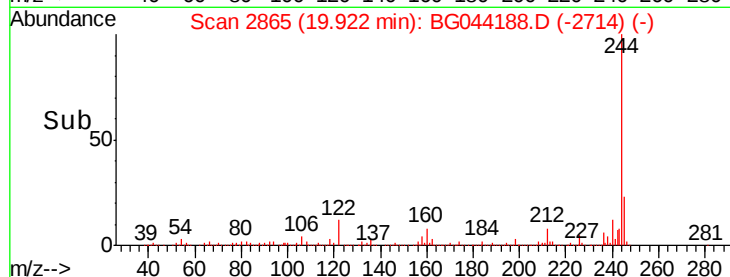
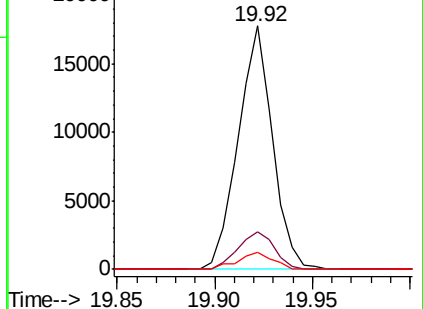
183 6.9 10.6 15.8#



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: 77.051 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044188.D

Acq: 24 Jan 2020 19:04

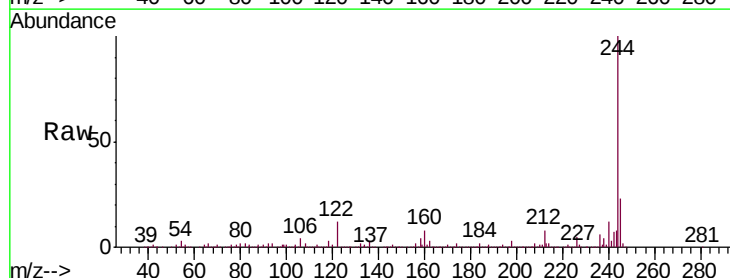
Tgt Ion:244 Resp: 1350885

Ion Ratio Lower Upper

244 100

212 8.4 8.6 13.0#

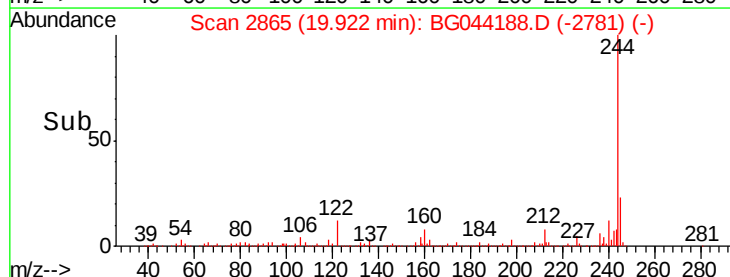
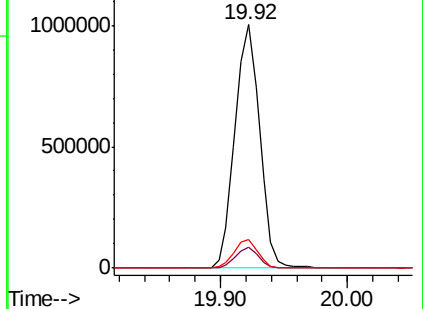
122 12.0 11.9 17.9

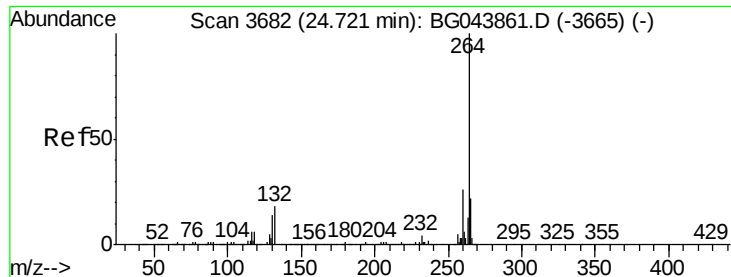


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG044188.D

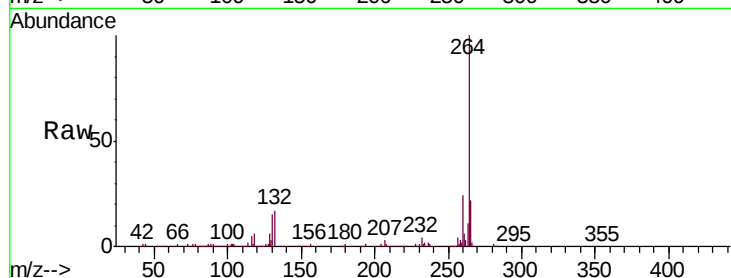
Acq: 24 Jan 2020 19:04

Instrument :

BNA_G

ClientSampleId :

TP-19-18-COMP



Tgt Ion: 264 Resp: 457367

Ion Ratio Lower Upper

264 100

260 24.1 20.4 30.6

265 21.6 17.4 26.2

