

Data File : BG044166.D
Acq On : 23 Jan 2020 14:21
Operator : JU
Sample : PB126284BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126284BL

Quant Time: Jan 24 04:34:25 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

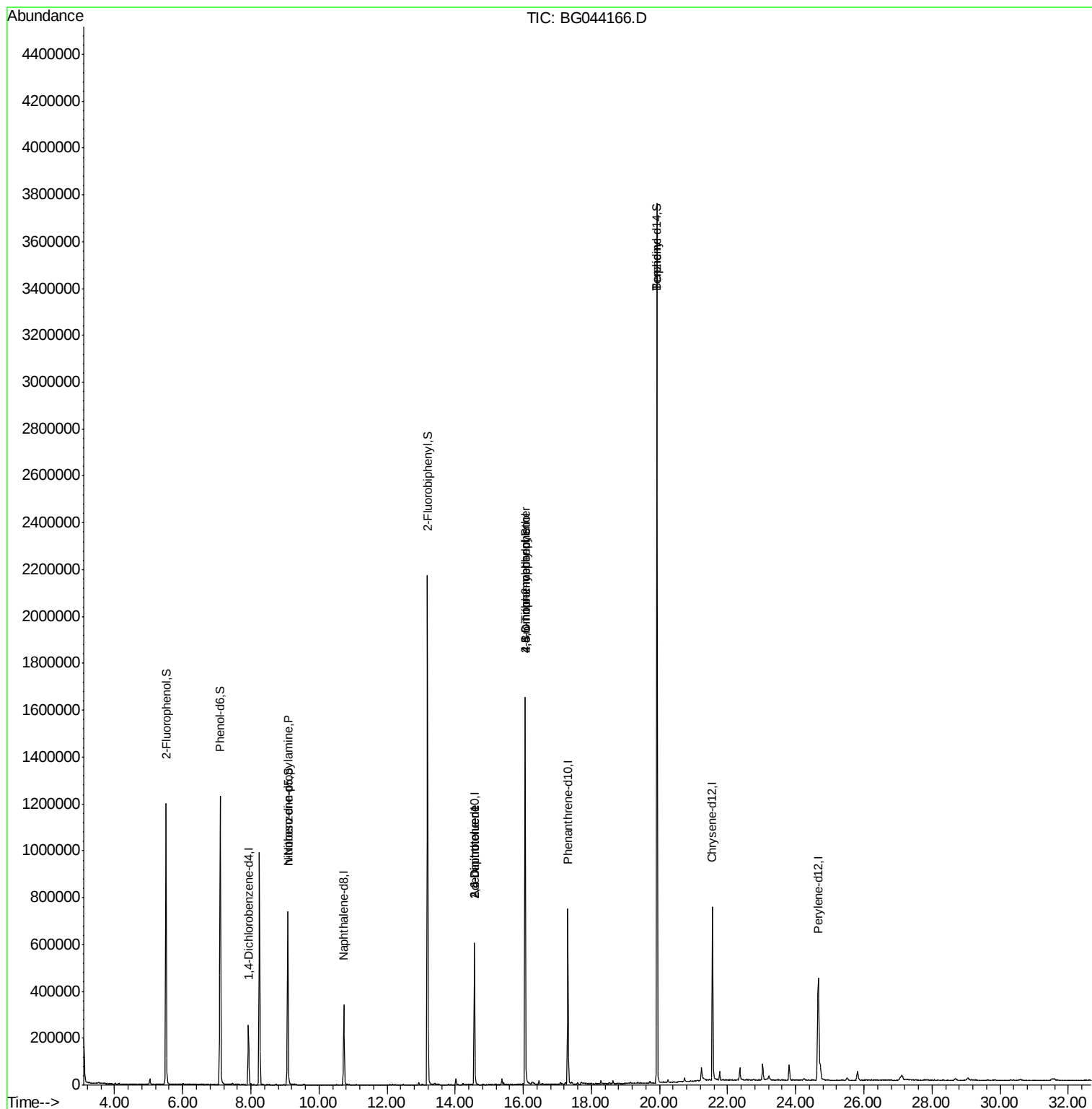
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	73240	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	325219	20.00	ng	-0.04
39) Acenaphthene-d10	14.56	164	230060	20.00	ng	-0.04
64) Phenanthrene-d10	17.31	188	493001	20.00	ng	-0.02
76) Chrysene-d12	21.55	240	423436	20.00	ng	-0.04
87) Perylene-d12	24.66	264	465359	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	577026	144.66	ng	-0.03
7) Phenol-d6	7.10	99	786036	140.98	ng	-0.02
23) Nitrobenzene-d5	9.09	82	483199	79.48	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	322877	134.11	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1170480	92.18	ng	-0.04
79) Terphenyl-d14	19.93	244	1781918	108.89	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	61974	14.925	ng	# 78
51) 2,6-Dinitrotoluene	14.57	165	29709	8.047	ng	# 26
57) 2,4-Dinitrotoluene	14.57	165	29709	5.914	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	975	4.739	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	22222	4.008	ng	# 1
77) Benzidine	19.93	184	30594	2.874	ng	# 90

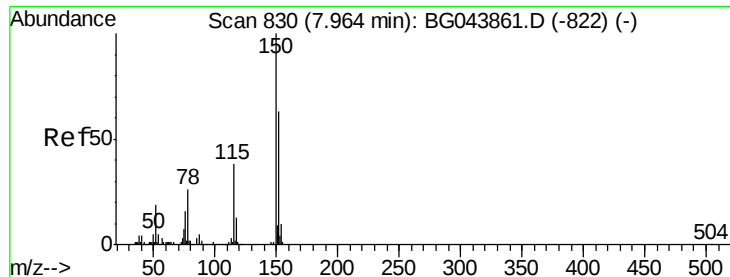
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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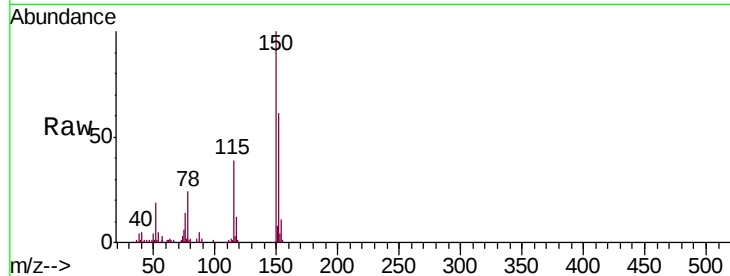


#1

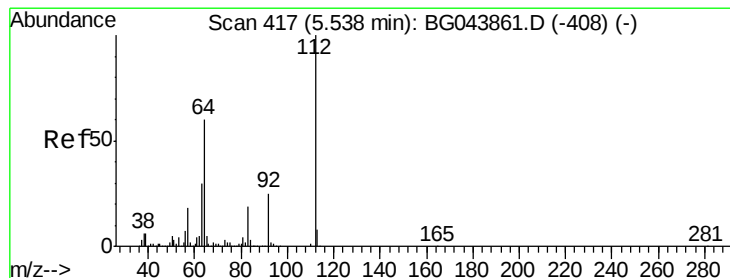
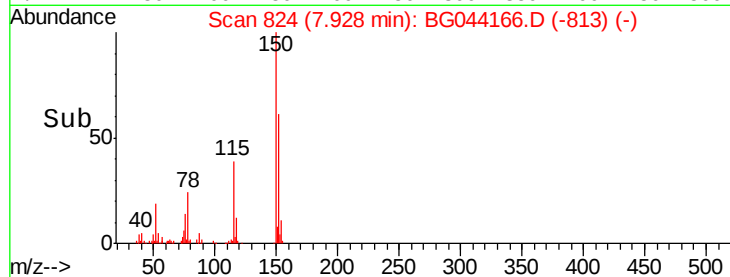
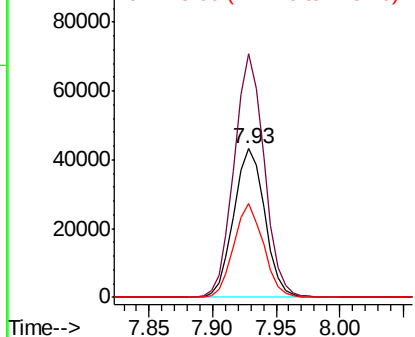
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044166.D
Acq: 23 Jan 2020 14:21

Instrument :
BNA_G
ClientSampleId :
PB126284BL

Tgt Ion:152 Resp: 73240
Ion Ratio Lower Upper
152 100
150 163.9 127.0 190.4
115 63.3 47.8 71.8



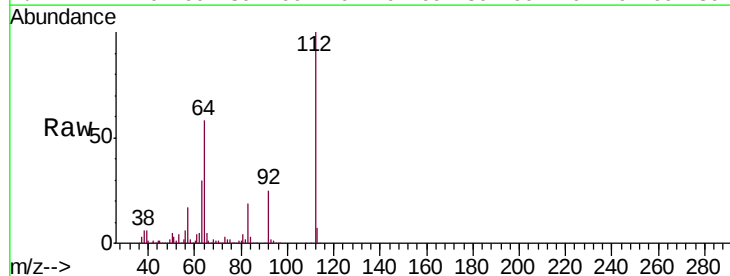
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



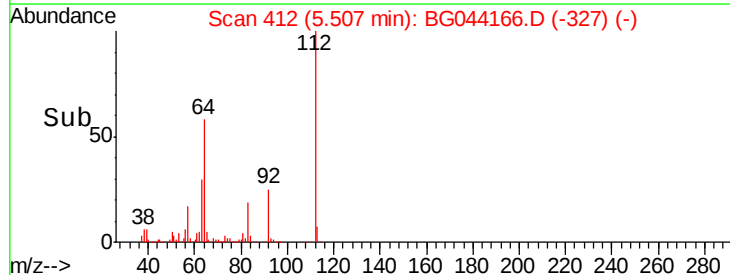
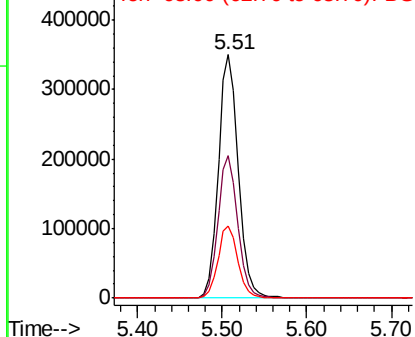
#5

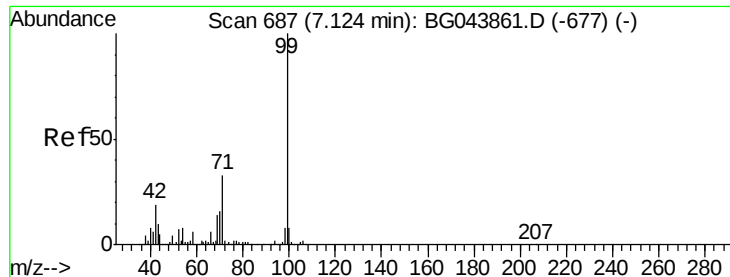
2-Fluorophenol
Concen: 144.660 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044166.D
Acq: 23 Jan 2020 14:21

Tgt Ion:112 Resp: 577026
Ion Ratio Lower Upper
112 100
64 58.4 47.8 71.6
63 29.7 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: 140.976 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044166.D

Acq: 23 Jan 2020 14:21

Instrument :

BNA_G

ClientSampleId :

PB126284BL

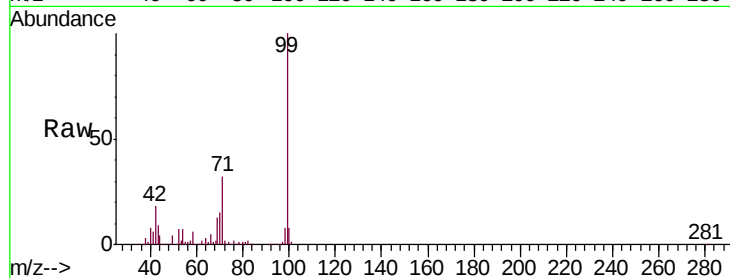
Tgt Ion: 99 Resp: 786036

Ion Ratio Lower Upper

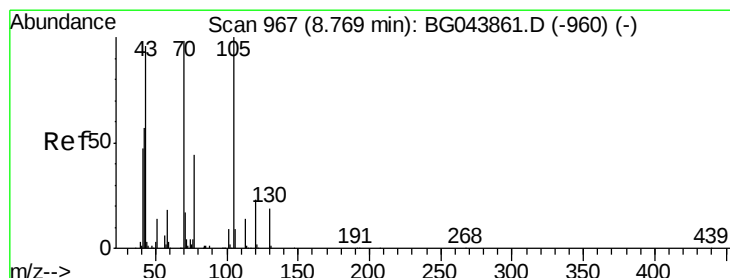
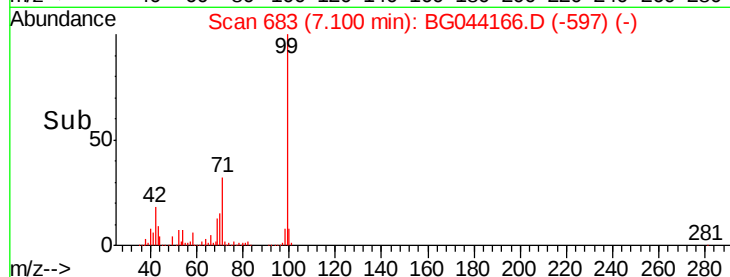
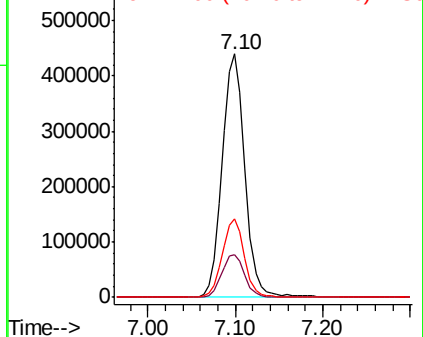
99 100

42 17.7 14.9 22.3

71 32.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.925 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044166.D

Acq: 23 Jan 2020 14:21

Tgt Ion: 70 Resp: 61974

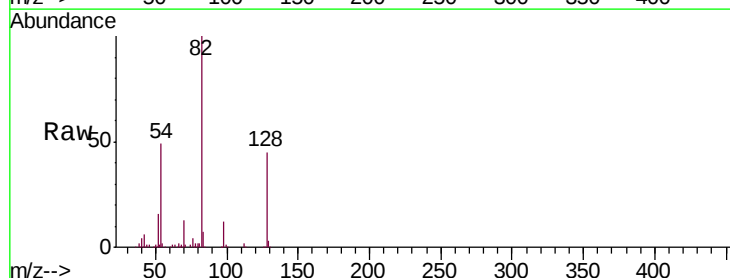
Ion Ratio Lower Upper

70 100

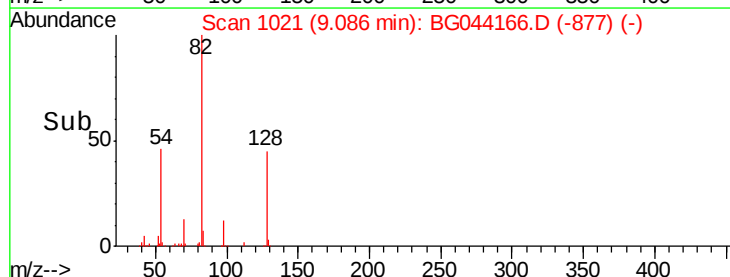
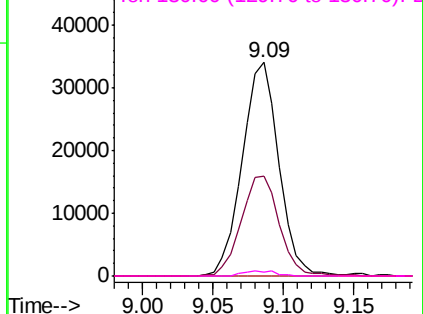
42 46.7 47.0 70.4#

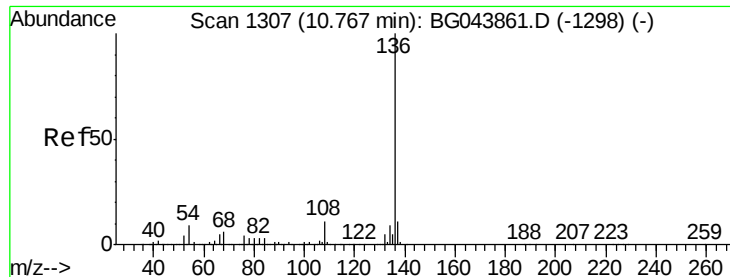
101 0.0 7.2 10.8#

130 2.0 15.6 23.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

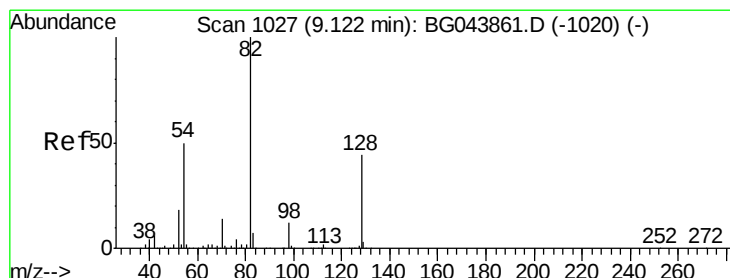
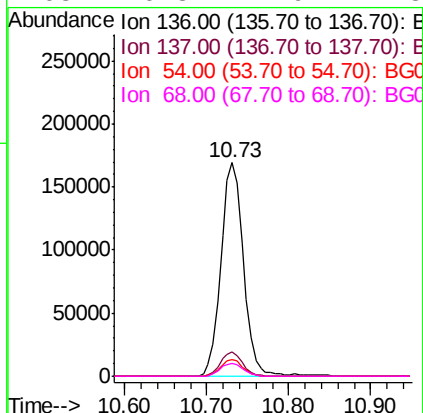
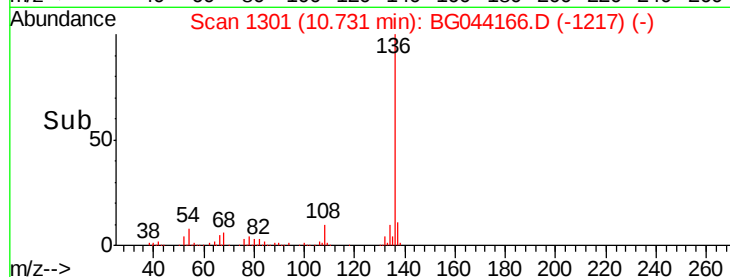
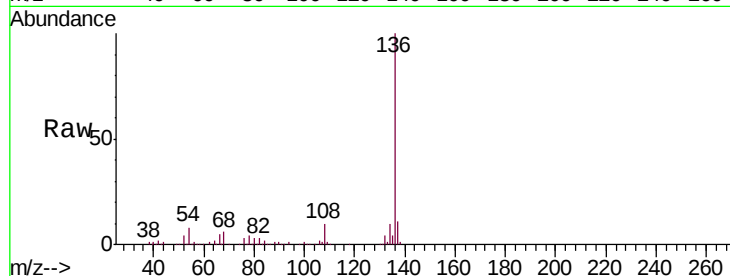




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044166.D
Acq: 23 Jan 2020 14:21

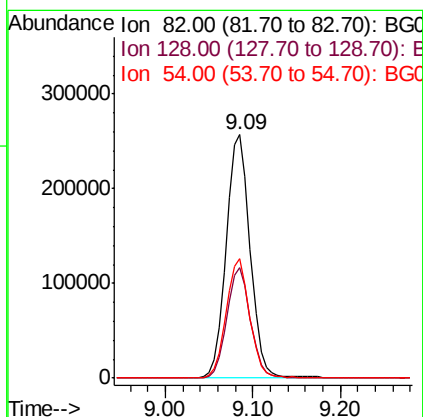
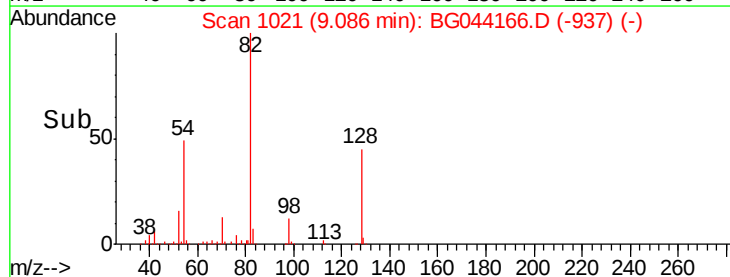
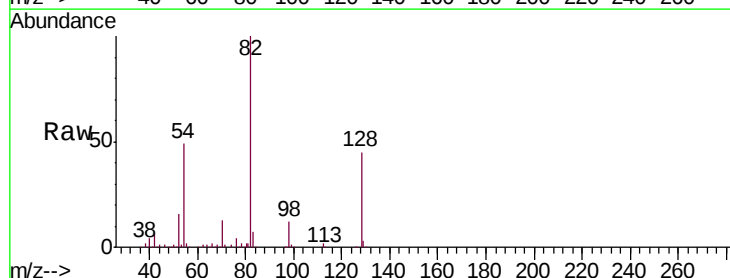
Instrument :
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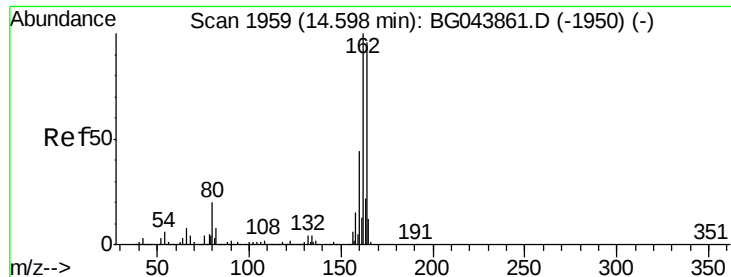
Tgt Ion:	136	Resp:	325219
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	7.7	7.0	10.4
68	6.3	4.9	7.3



#23
Nitrobenzene-d5
Concen: 79.482 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.04 min
Lab File: BG044166.D
Acq: 23 Jan 2020 14:21

Tgt Ion:	82	Resp:	483199
Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.1	52.7
54	48.9	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.04 min

Lab File: BG044166.D

Acq: 23 Jan 2020 14:21

Instrument :

BNA_G

ClientSampleId :

PB126284BL

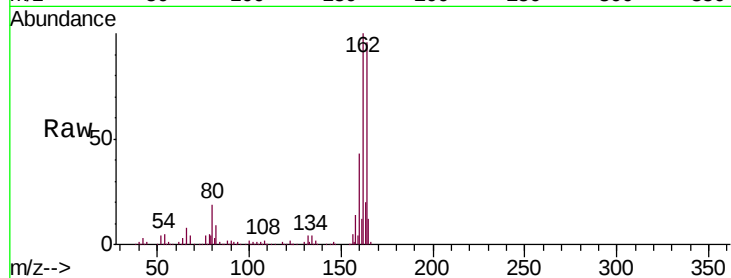
Tgt Ion:164 Resp: 230060

Ion Ratio Lower Upper

164 100

162 103.6 83.0 124.4

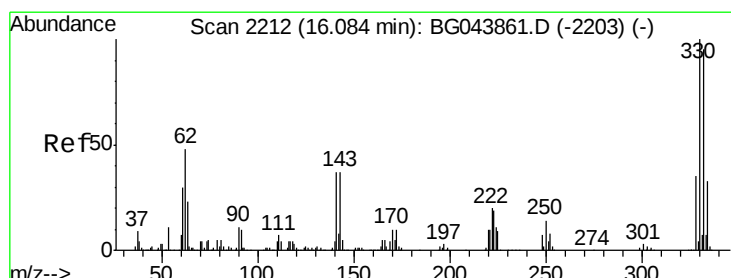
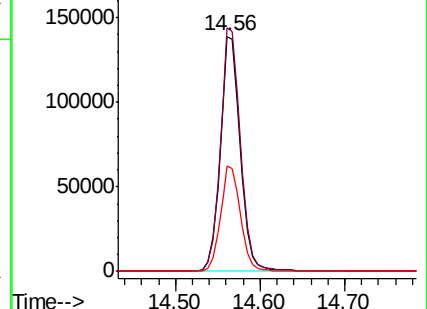
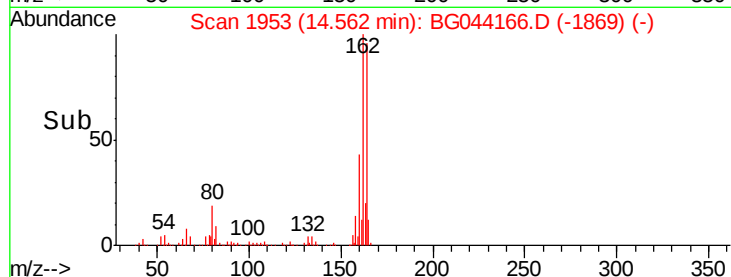
160 45.1 36.1 54.1



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: 134.111 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044166.D

Acq: 23 Jan 2020 14:21

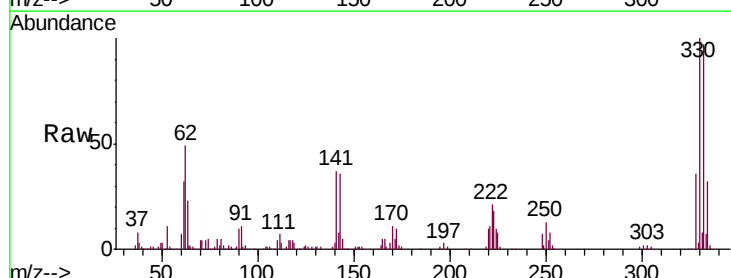
Tgt Ion:330 Resp: 322877

Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

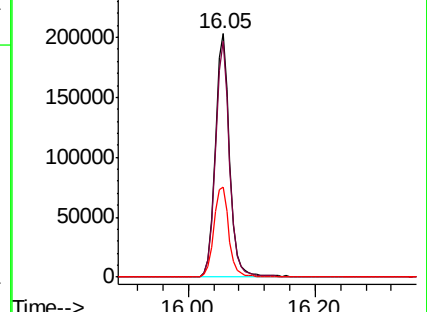
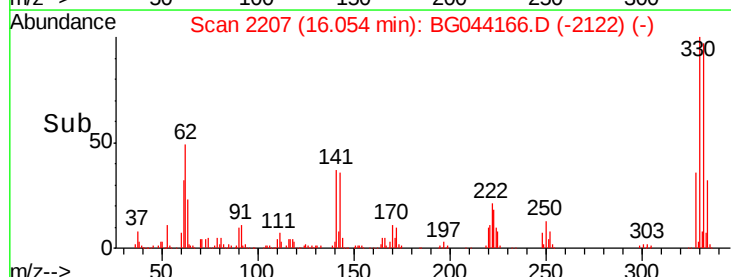
141 38.6 33.1 49.7

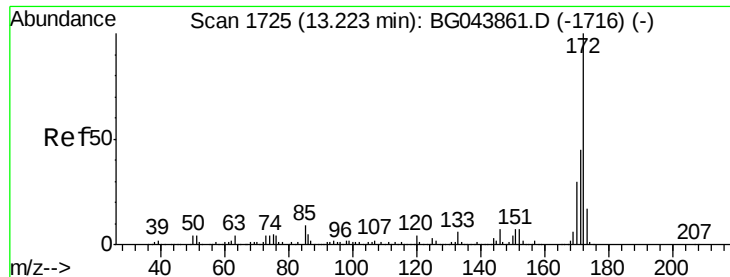


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

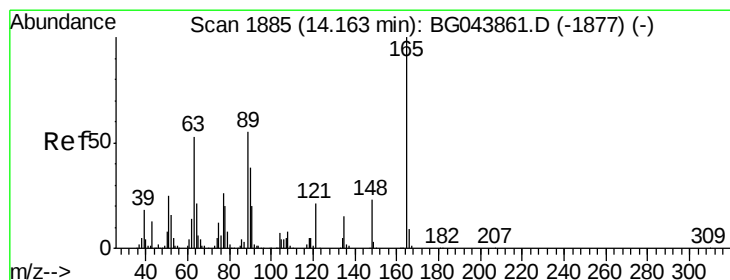
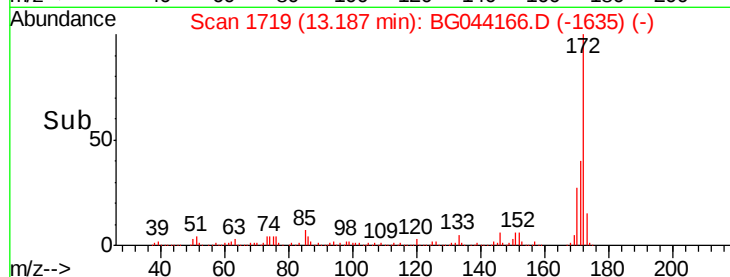
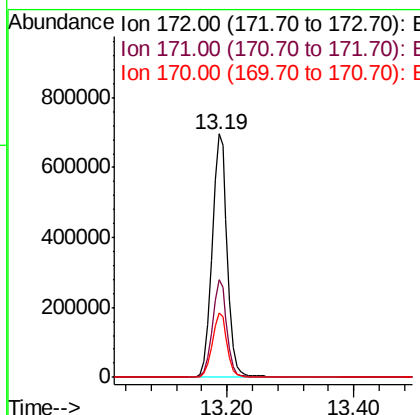
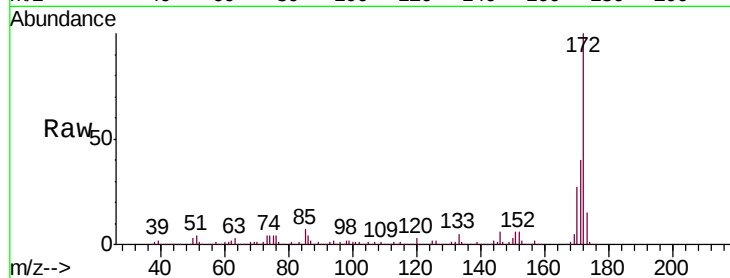




#45
 2-Fluorobiphenyl
 Concen: 92.178 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.04 min
 Lab File: BG044166.D
 Acq: 23 Jan 2020 14:21

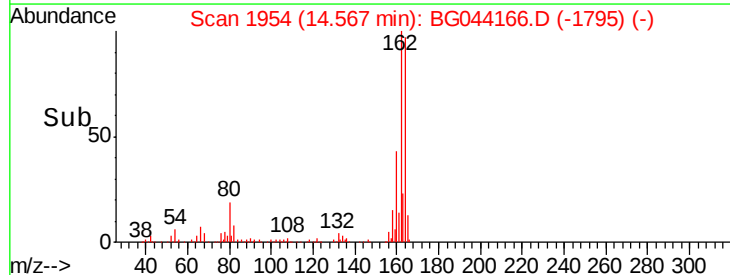
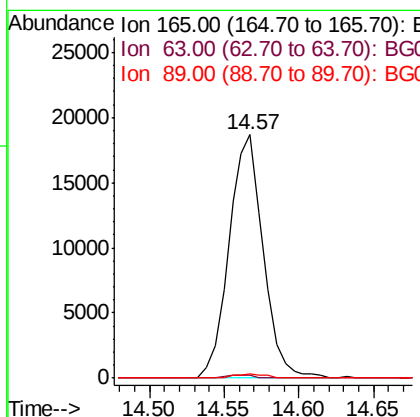
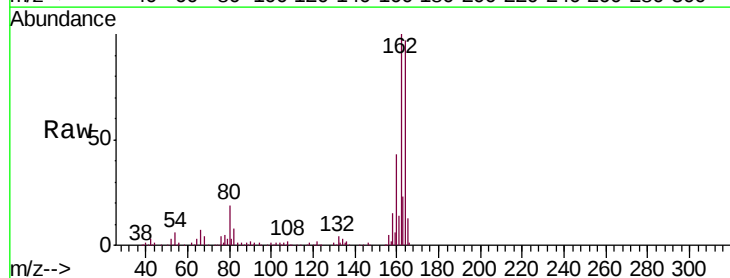
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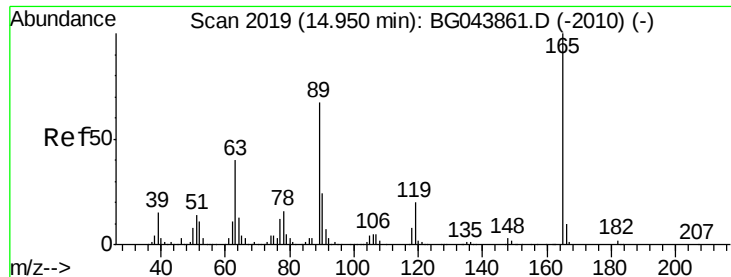
Tgt Ion:172 Resp: 1170480
 Ion Ratio Lower Upper
 172 100
 171 40.1 35.8 53.8
 170 26.7 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.047 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.40 min
 Lab File: BG044166.D
 Acq: 23 Jan 2020 14:21

Tgt Ion:165 Resp: 29709
 Ion Ratio Lower Upper
 165 100
 63 1.0 43.1 64.7#
 89 1.6 43.8 65.6#

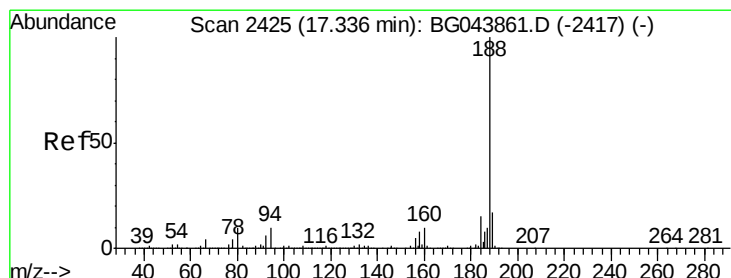
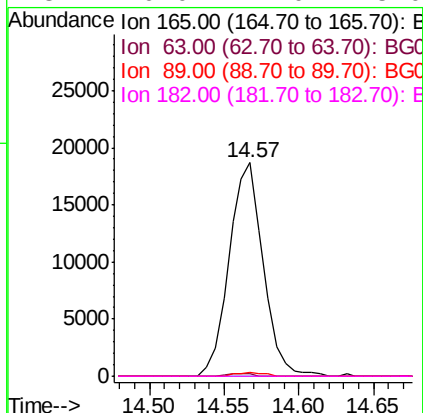
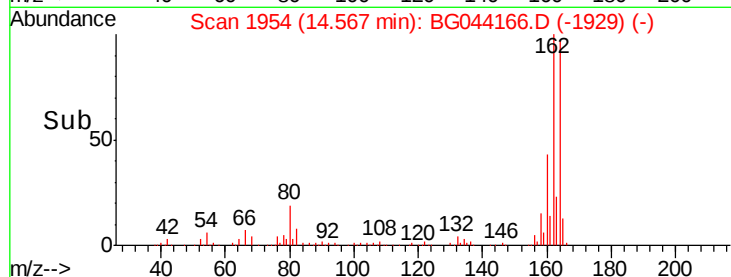
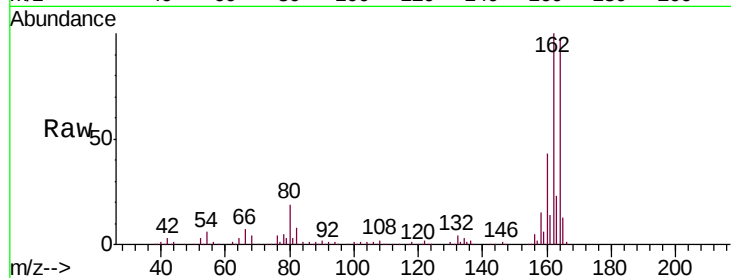




#57
2,4-Dinitrotoluene
Concen: 5.914 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.38 min
Lab File: BG044166.D
Acq: 23 Jan 2020 14:21

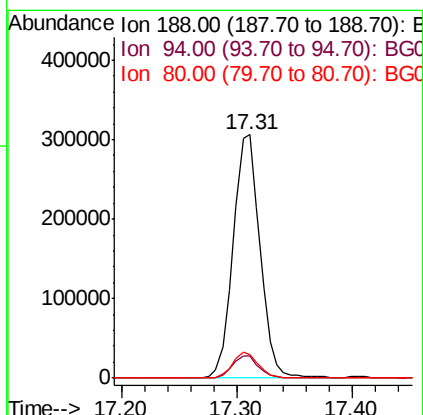
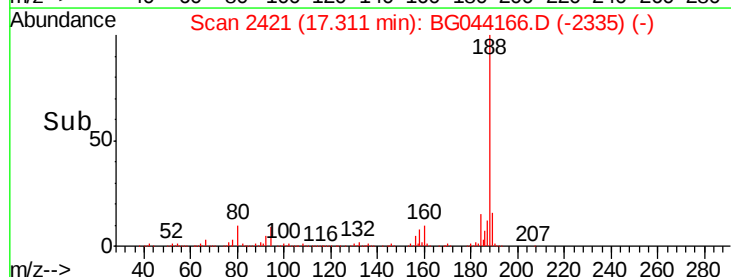
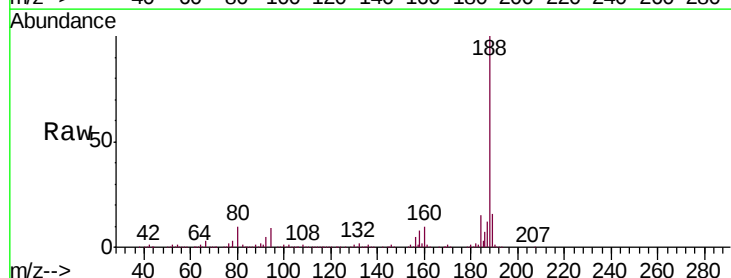
Instrument :
BNA_G
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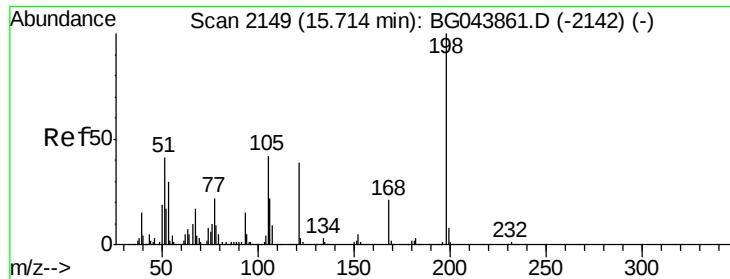
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.9	47.9#
89	1.6	53.8	80.6#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2421
Delta R.T. -0.02 min
Lab File: BG044166.D
Acq: 23 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.9	11.9
80	9.7	8.2	12.4

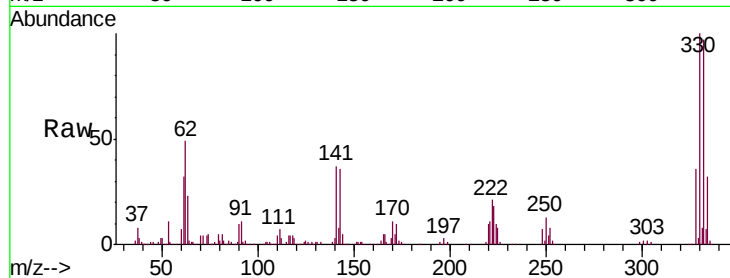




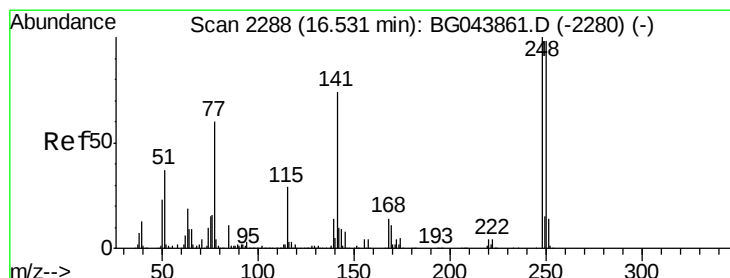
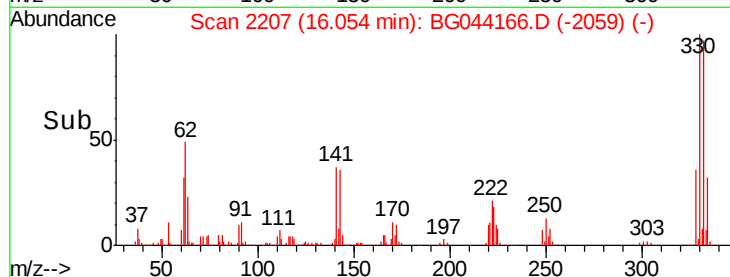
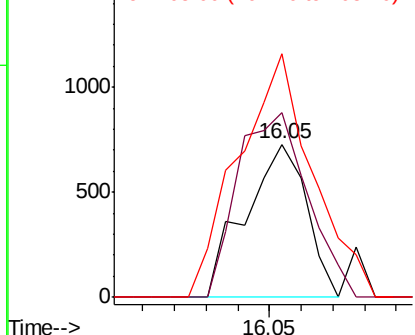
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.739 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. 0.34 min
 Lab File: BG044166.D
 Acq: 23 Jan 2020 14:21

Instrument :
 BNA_G
 ClientSampleId :
 PB126284BL

Tgt Ion:198 Resp: 975
 Ion Ratio Lower Upper
 198 100
 51 120.5 22.5 62.5#
 105 158.8 22.3 62.3#

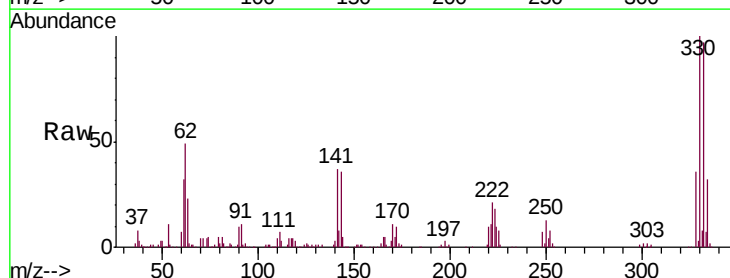


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

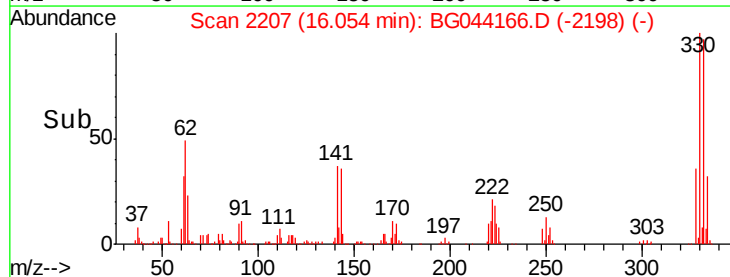
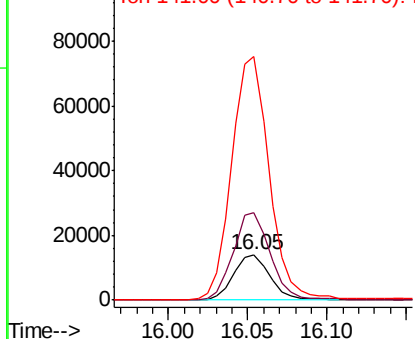


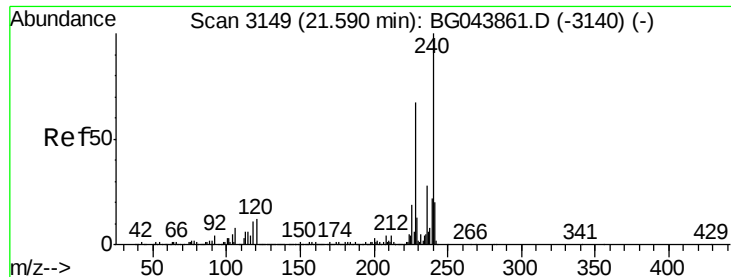
#67
 4-Bromophenyl-phenylether
 Concen: 4.008 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044166.D
 Acq: 23 Jan 2020 14:21

Tgt Ion:248 Resp: 22222
 Ion Ratio Lower Upper
 248 100
 250 194.1 78.2 117.2#
 141 538.3 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

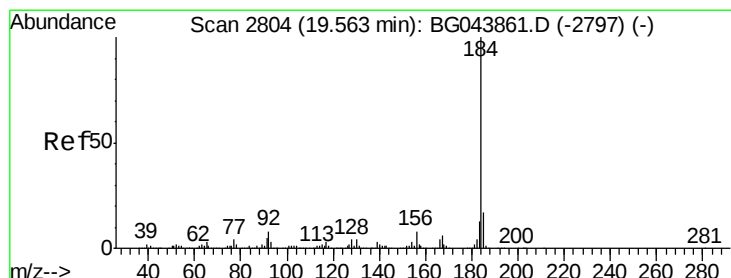
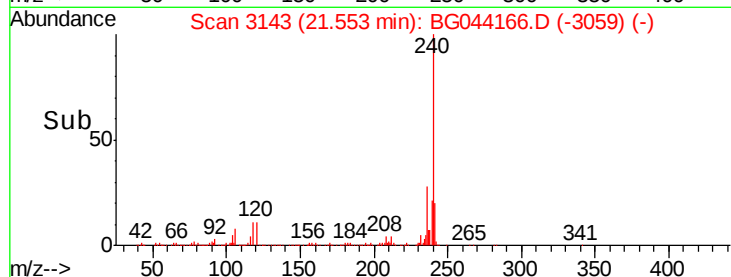
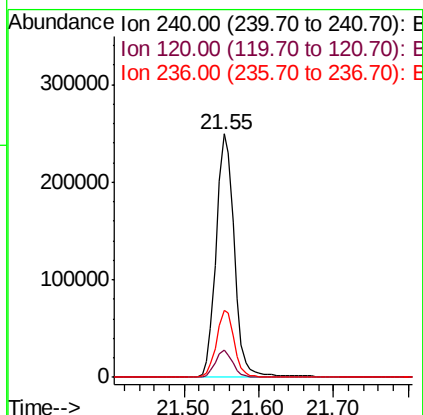
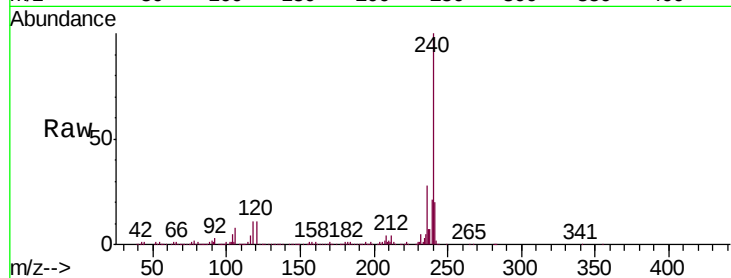




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.04 min
Lab File: BG044166.D
Acq: 23 Jan 2020 14:21

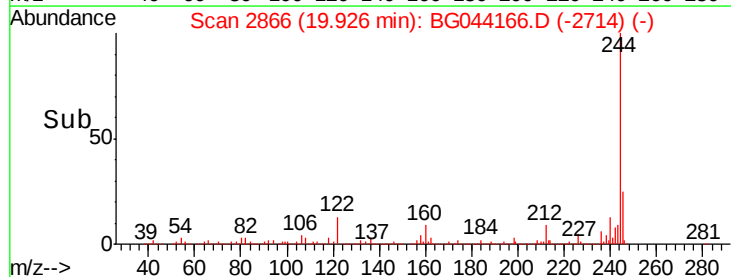
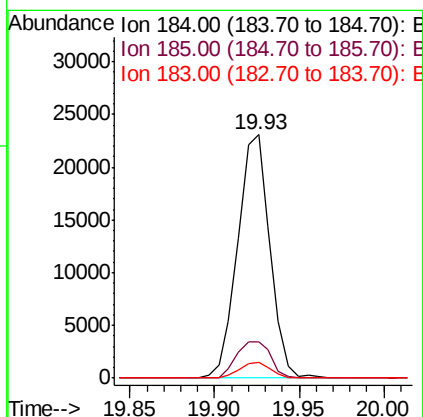
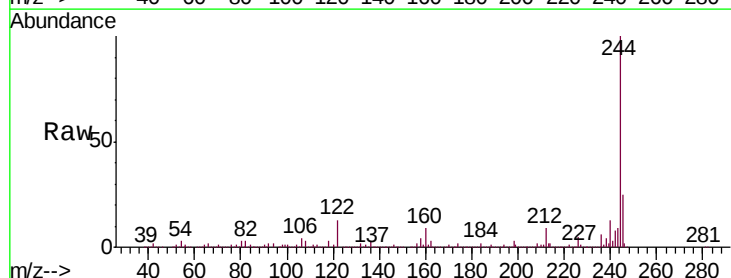
Instrument :
BNA_G
ClientSampleId :
PB126284BL

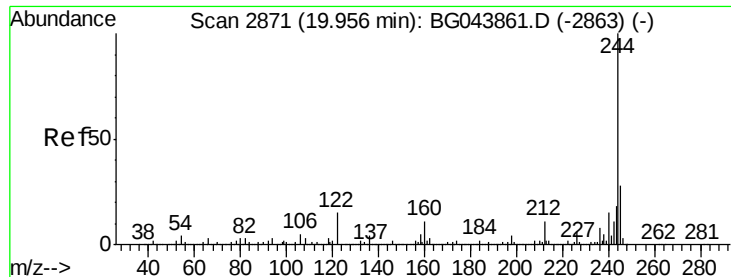
Tgt Ion:240 Resp: 423436
Ion Ratio Lower Upper
240 100
120 11.3 9.6 14.4
236 27.7 22.2 33.2



#77
Benzidine
Concen: 2.874 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.36 min
Lab File: BG044166.D
Acq: 23 Jan 2020 14:21

Tgt Ion:184 Resp: 30594
Ion Ratio Lower Upper
184 100
185 14.8 13.4 20.0
183 6.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 108.892 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044166.D

Acq: 23 Jan 2020 14:21

Instrument :

BNA_G

ClientSampleId :

PB126284BL

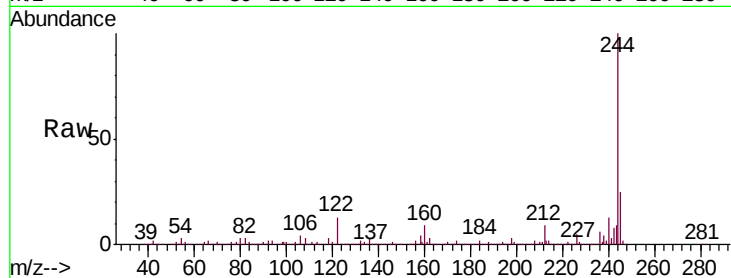
Tgt Ion:244 Resp: 1781918

Ion Ratio Lower Upper

244 100

212 9.3 8.6 13.0

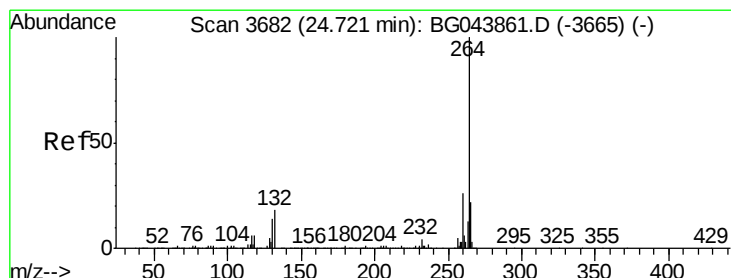
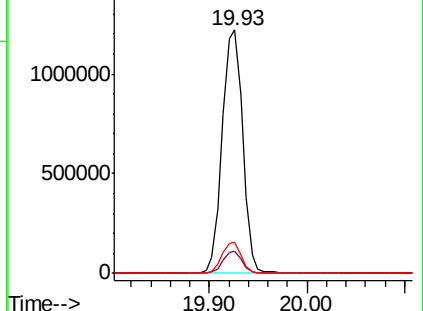
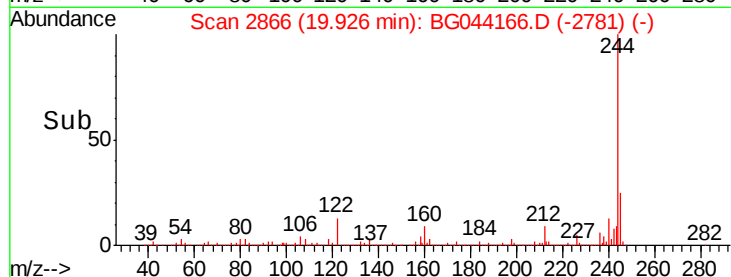
122 12.6 11.9 17.9



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: BG044166.D

Acq: 23 Jan 2020 14:21

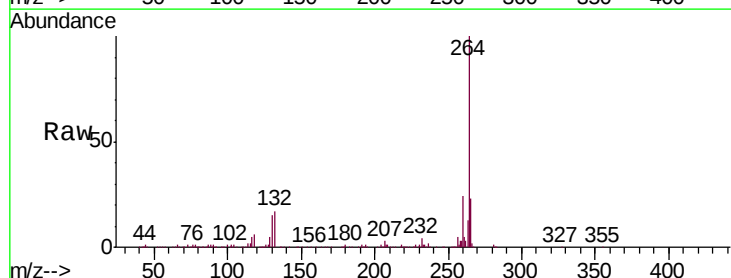
Tgt Ion:264 Resp: 465359

Ion Ratio Lower Upper

264 100

260 24.0 20.4 30.6

265 23.1 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

