

Data File : BG044095.D
Acq On : 20 Jan 2020 13:08
Operator : JU
Sample : PB126166BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126166BL

Quant Time: Jan 21 04:39:13 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

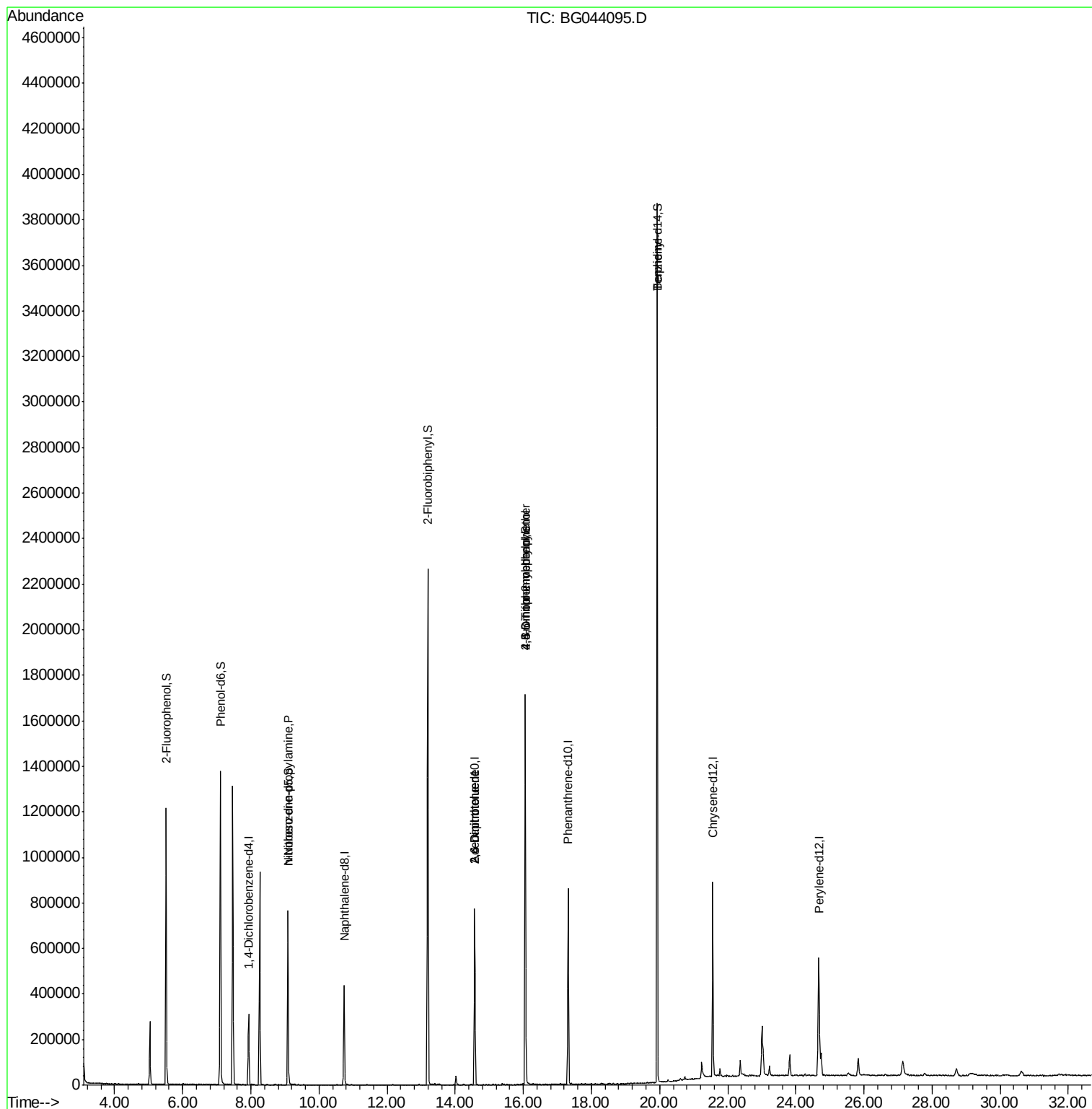
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	91793	20.00	ng	-0.03
21) Naphthalene-d8	10.74	136	416072	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	280379	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	557104	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	477241	20.00	ng	-0.03
87) Perylene-d12	24.67	264	531080	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	597797	119.58	ng	-0.02
7) Phenol-d6	7.11	99	878108	125.66	ng	-0.02
23) Nitrobenzene-d5	9.09	82	494380	63.56	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	328021	111.80	ng	-0.02
45) 2-Fluorobiphenyl	13.19	172	1234304	79.76	ng	-0.03
79) Terphenyl-d14	19.93	244	1747771	89.54	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	63948	12.288	ng	# 77
51) 2,6-Dinitrotoluene	14.57	165	37343	8.299	ng	# 26
57) 2,4-Dinitrotoluene	14.57	165	37343	6.099	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.06	198	1129	4.747	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	23654	3.775	ng	# 1
77) Benzidine	19.93	184	29260	2.439	ng	# 94

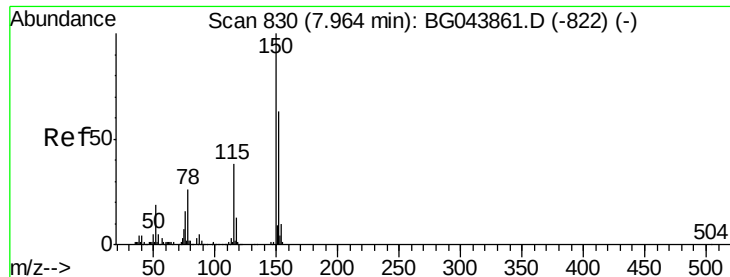
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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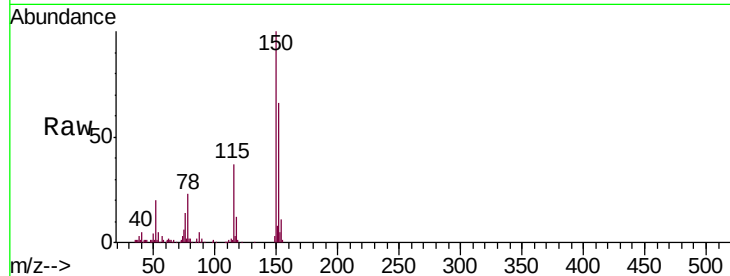


#1

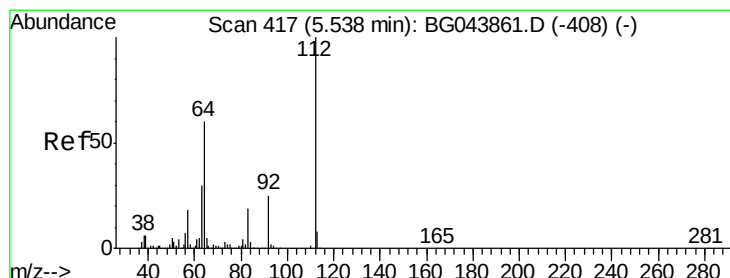
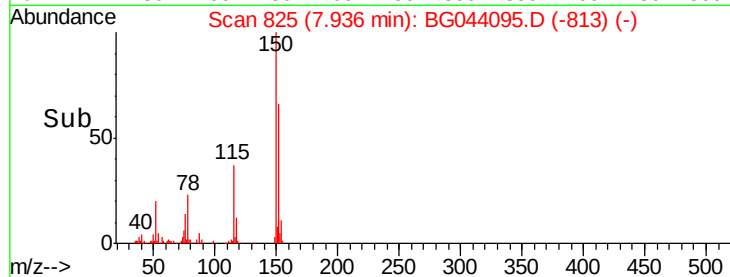
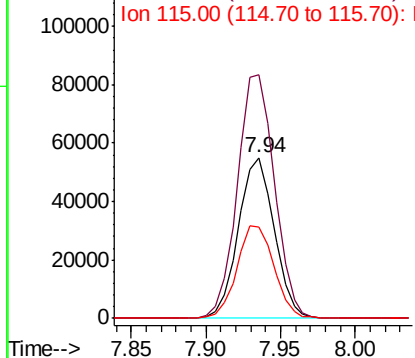
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 825
Delta R.T. -0.03 min
Lab File: BG044095.D
Acq: 20 Jan 2020 13:08

Instrument :
BNA_G
ClientSampleId :
PB126166BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.3	127.0	190.4
115	56.5	47.8	71.8



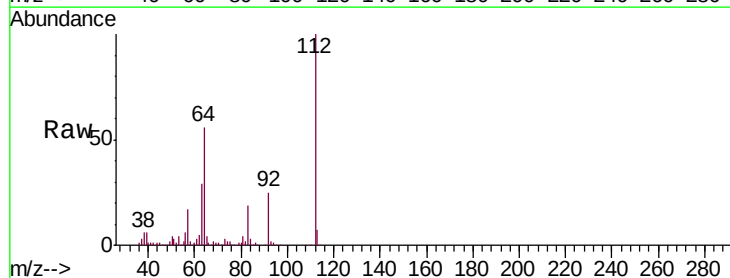
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



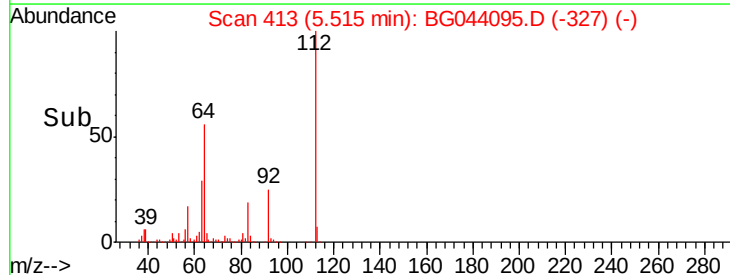
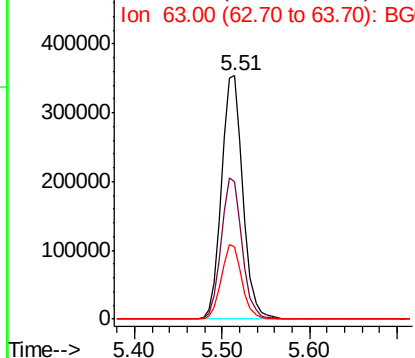
#5

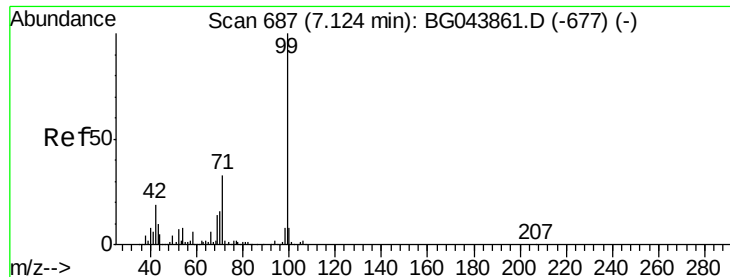
2-Fluorophenol
Concen: 119.576 ng
RT: 5.51 min Scan# 413
Delta R.T. -0.02 min
Lab File: BG044095.D
Acq: 20 Jan 2020 13:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.8	71.6
63	29.4	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: 125.658 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.02 min

Lab File: BG044095.D

Acq: 20 Jan 2020 13:08

Instrument :

BNA_G

ClientSampleId :

PB126166BL

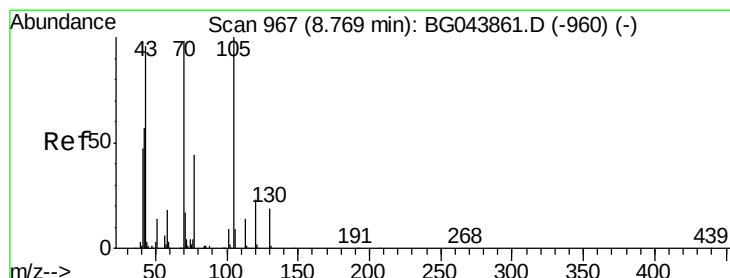
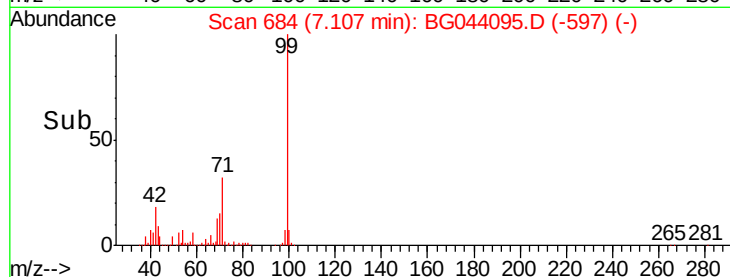
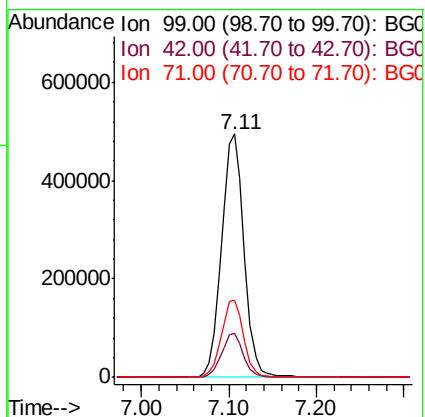
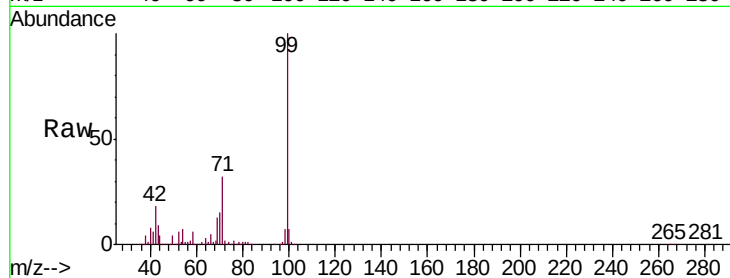
Tgt Ion: 99 Resp: 878108

Ion Ratio Lower Upper

99 100

42 18.0 14.9 22.3

71 31.9 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.288 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044095.D

Acq: 20 Jan 2020 13:08

Tgt Ion: 70 Resp: 63948

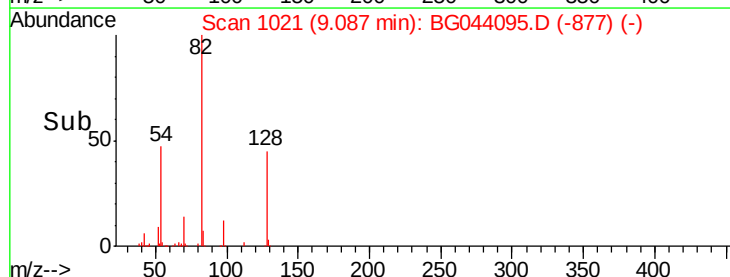
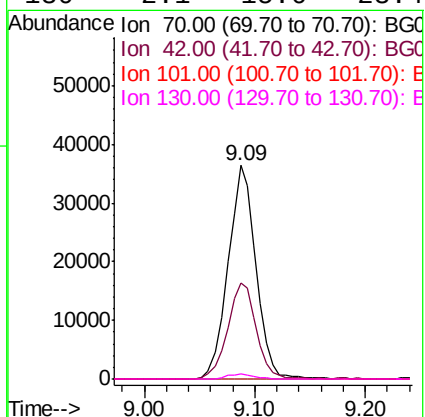
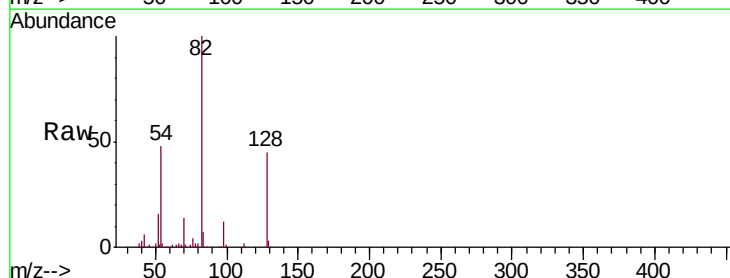
Ion Ratio Lower Upper

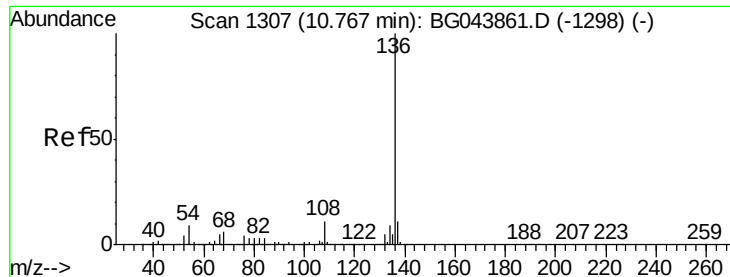
70 100

42 45.0 47.0 70.4#

101 0.0 7.2 10.8#

130 2.1 15.6 23.4#

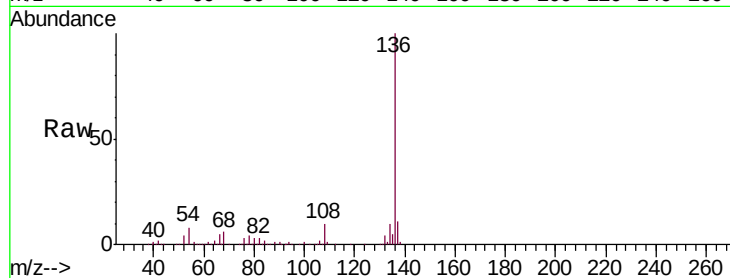




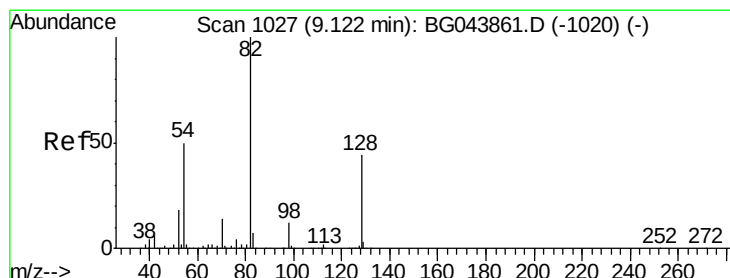
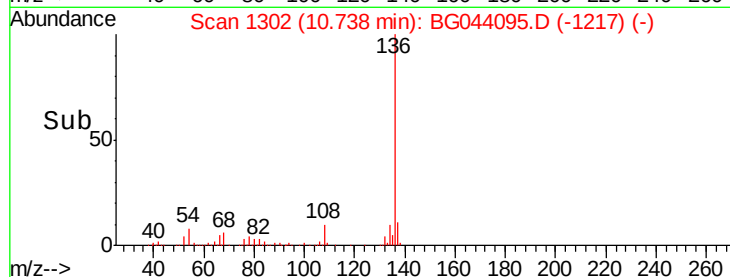
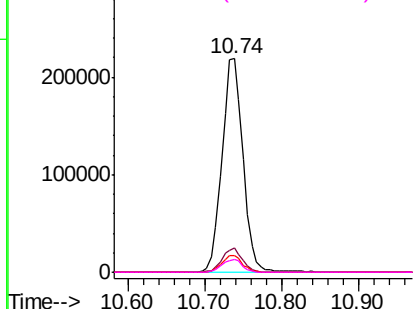
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BG044095.D
Acq: 20 Jan 2020 13:08

Instrument :
BNA_G
ClientSampleId :
PB126166BL

Tgt Ion:	136	Resp:	416072
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.9	7.0	10.4
68	5.7	4.9	7.3

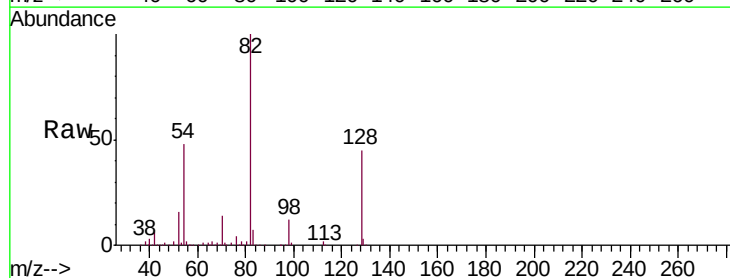


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

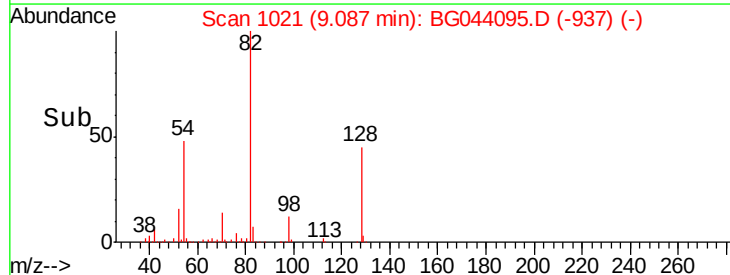
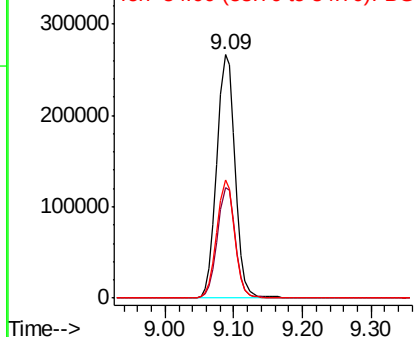


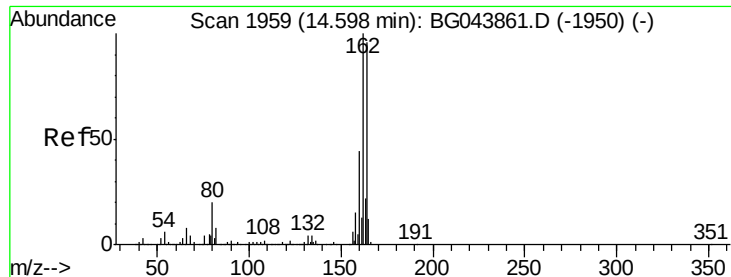
#23
Nitrobenzene-d5
Concen: 63.564 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BG044095.D
Acq: 20 Jan 2020 13:08

Tgt Ion:	82	Resp:	494380
Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.1	52.7
54	48.4	40.1	60.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044095.D

Acq: 20 Jan 2020 13:08

Instrument :

BNA_G

ClientSampleId :

PB126166BL

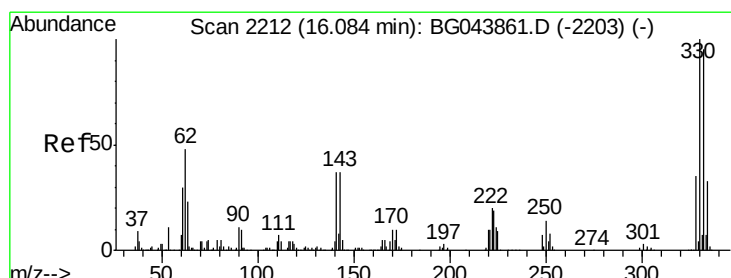
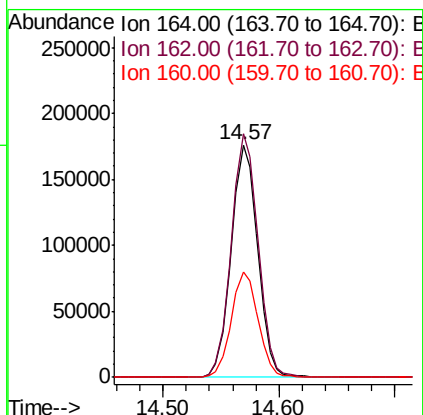
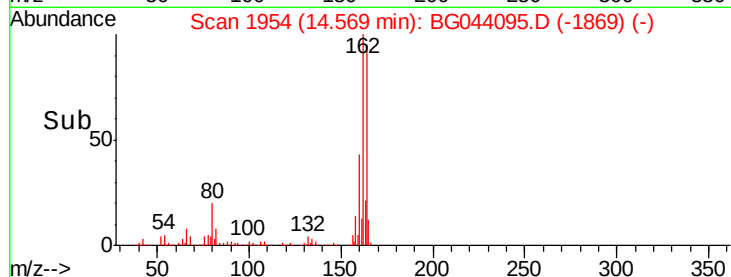
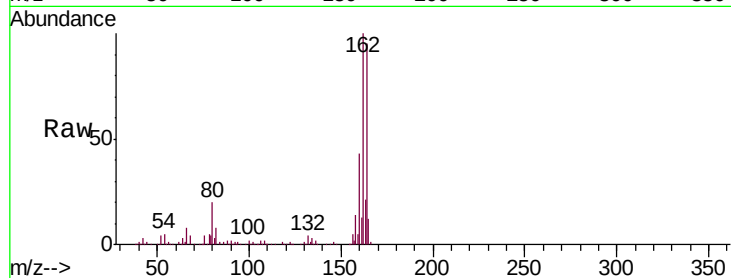
Tgt Ion:164 Resp: 280379

Ion Ratio Lower Upper

164 100

162 104.9 83.0 124.4

160 45.2 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 111.796 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG044095.D

Acq: 20 Jan 2020 13:08

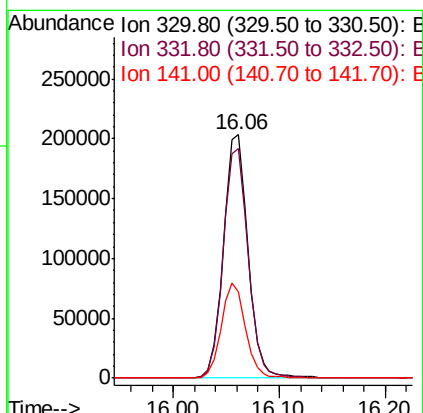
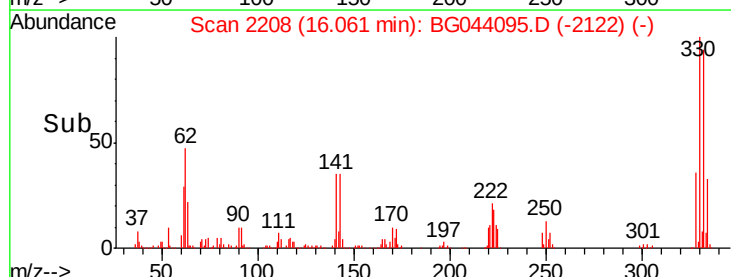
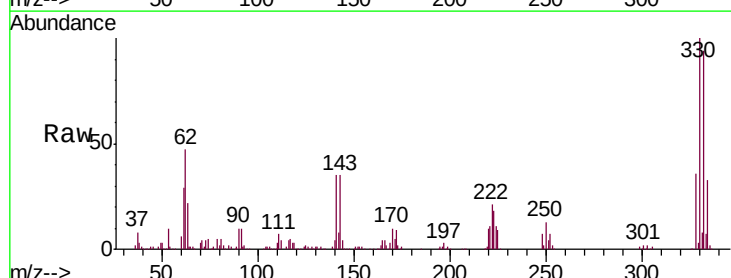
Tgt Ion:330 Resp: 328021

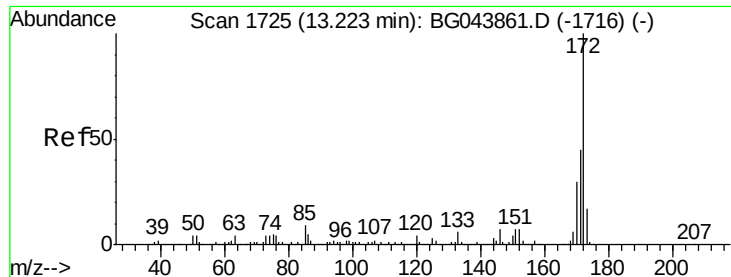
Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

141 38.6 33.1 49.7

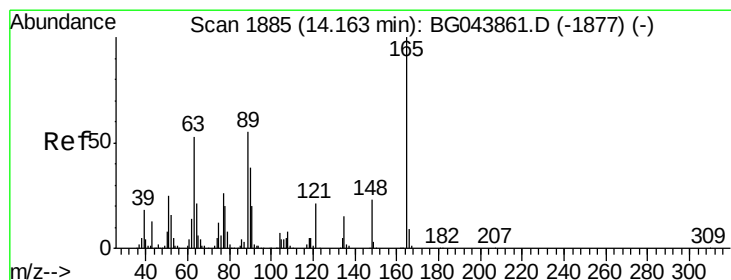
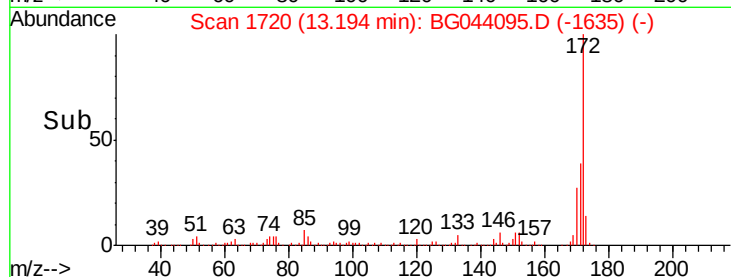
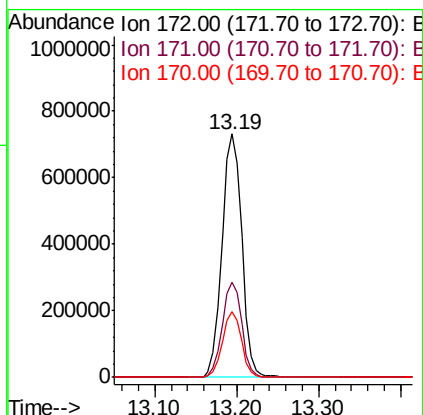
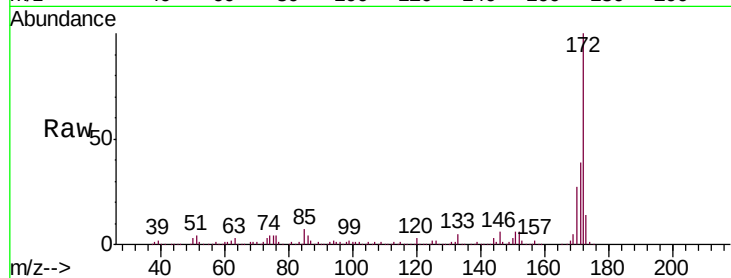




#45
 2-Fluorobiphenyl
 Concen: 79.759 ng
 RT: 13.19 min Scan# 1720
 Delta R.T. -0.03 min
 Lab File: BG044095.D
 Acq: 20 Jan 2020 13:08

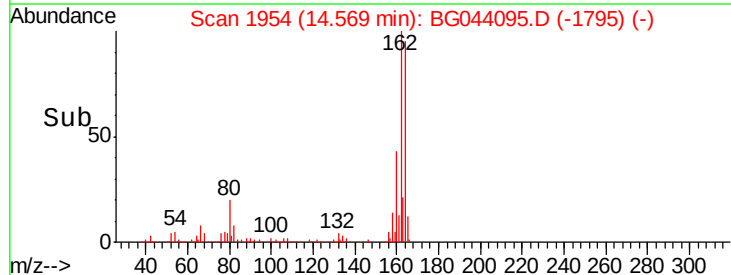
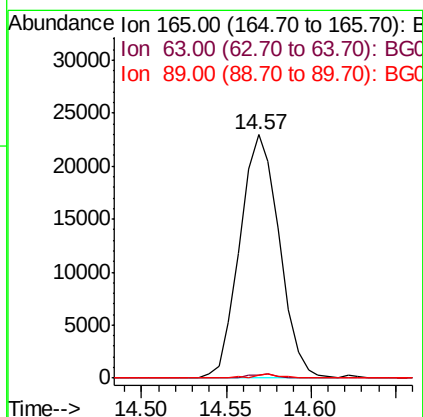
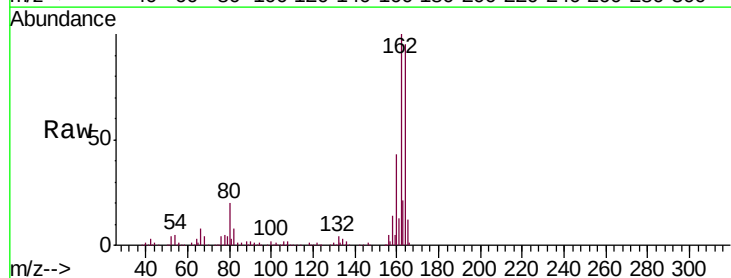
Instrument :
 BNA_G
 ClientSampleId :
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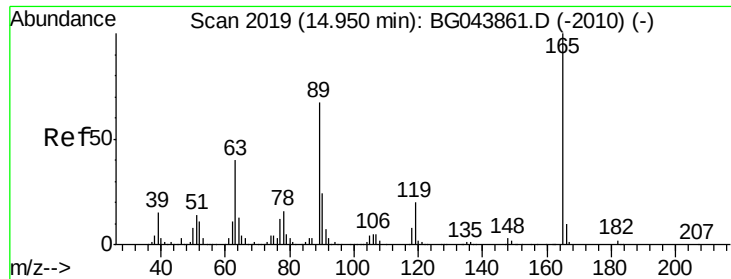
Tgt Ion:172 Resp: 1234304
 Ion Ratio Lower Upper
 172 100
 171 39.3 35.8 53.8
 170 26.8 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.299 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.41 min
 Lab File: BG044095.D
 Acq: 20 Jan 2020 13:08

Tgt Ion:165 Resp: 37343
 Ion Ratio Lower Upper
 165 100
 63 1.0 43.1 64.7#
 89 1.1 43.8 65.6#

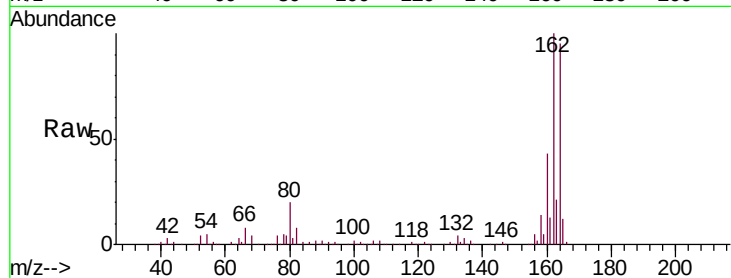




#57
 2,4-Dinitrotoluene
 Concen: 6.099 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG044095.D
 Acq: 20 Jan 2020 13:08

Instrument :
 BNA_G
 ClientSampleId :
 PB126166BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.9	47.9#
89	1.1	53.8	80.6#
182	0.0	2.0	3.0#

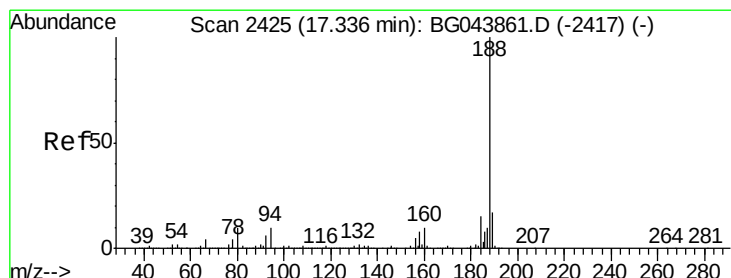
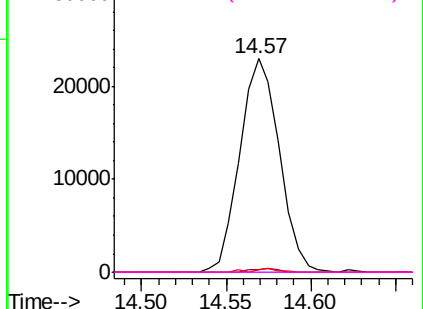
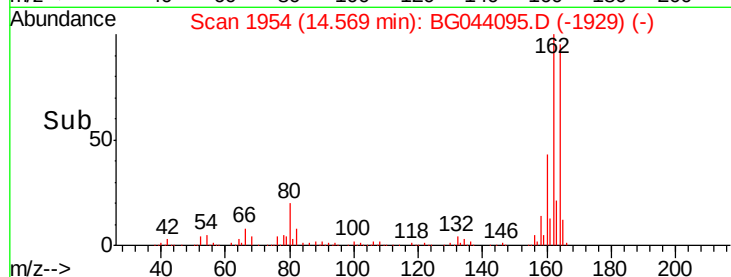


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

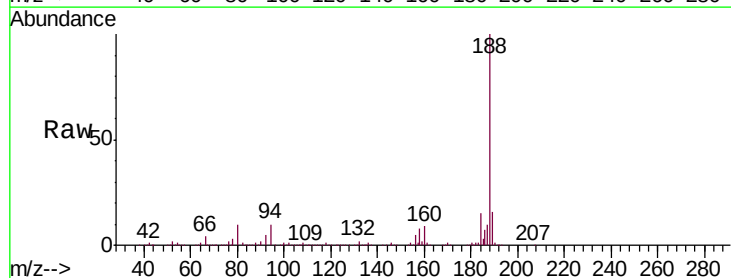
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2421
 Delta R.T. -0.02 min
 Lab File: BG044095.D
 Acq: 20 Jan 2020 13:08

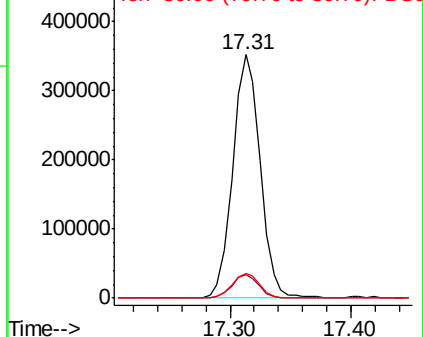
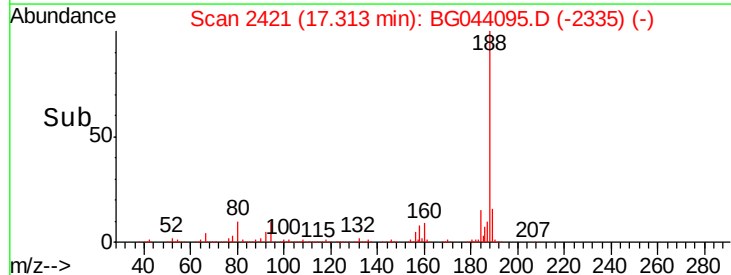
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.9	11.9
80	10.2	8.2	12.4

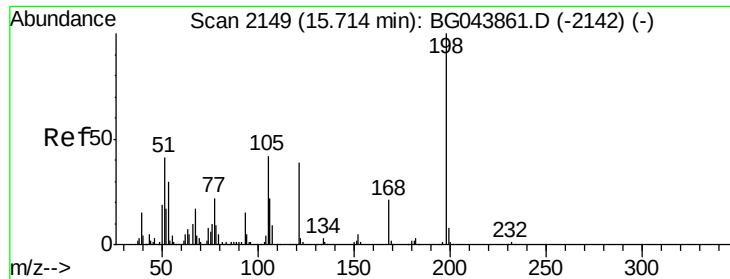


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

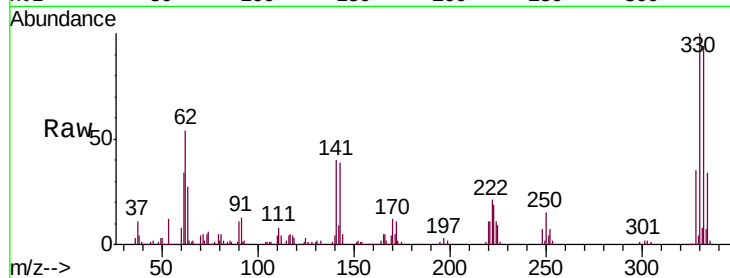




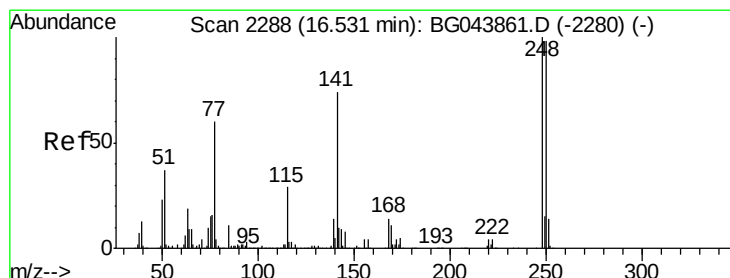
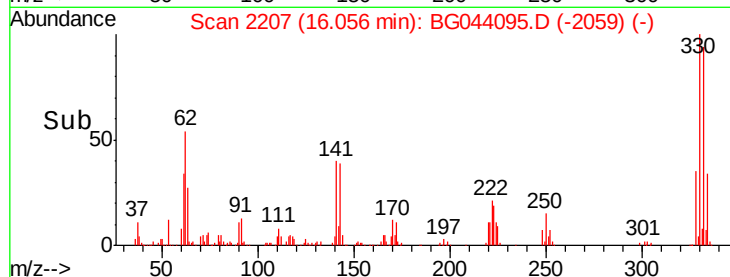
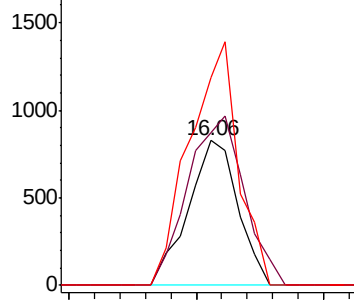
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.747 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. 0.34 min
 Lab File: BG044095.D
 Acq: 20 Jan 2020 13:08

Instrument :
 BNA_G
 ClientSampleId :
 PB126166BL

Tgt Ion:198 Resp: 1129
 Ion Ratio Lower Upper
 198 100
 51 105.7 22.5 62.5#
 105 143.1 22.3 62.3#

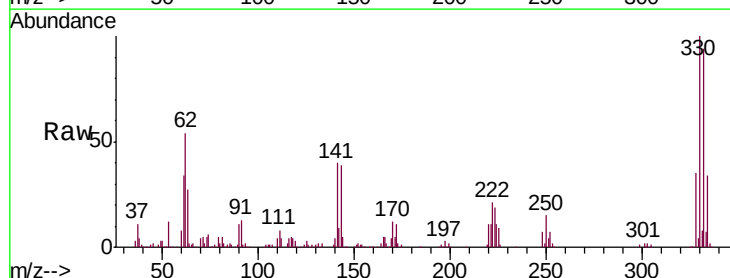


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

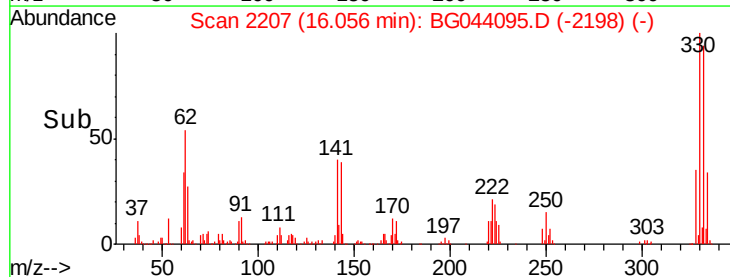
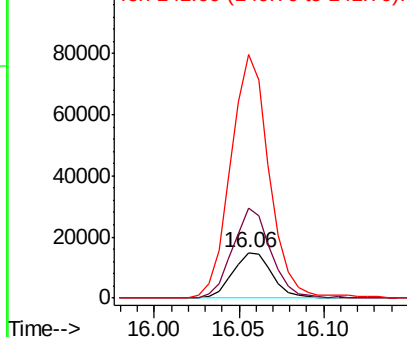


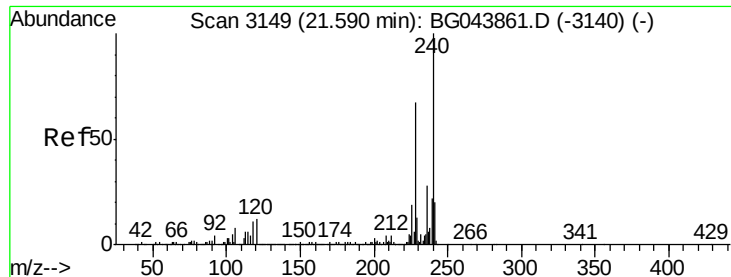
#67
 4-Bromophenyl-phenylether
 Concen: 3.775 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044095.D
 Acq: 20 Jan 2020 13:08

Tgt Ion:248 Resp: 23654
 Ion Ratio Lower Upper
 248 100
 250 197.5 78.2 117.2#
 141 536.5 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

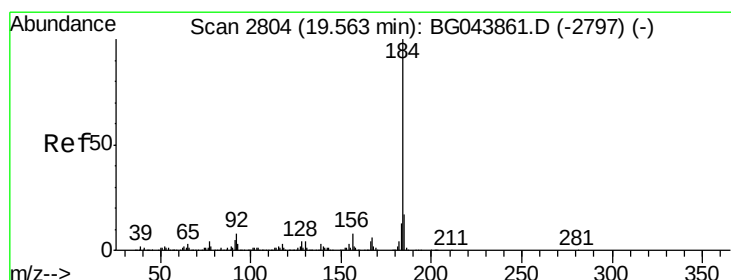
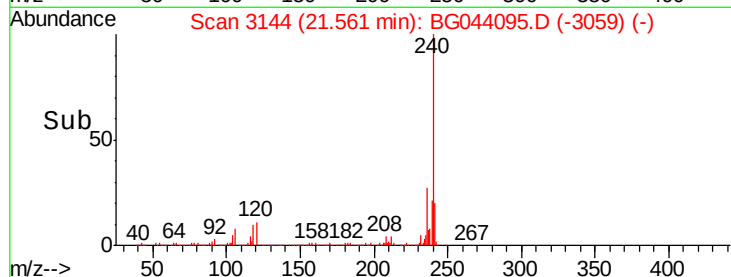
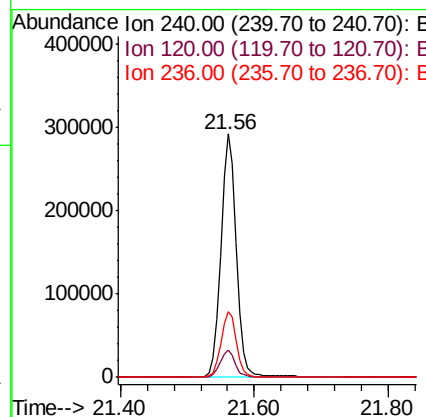
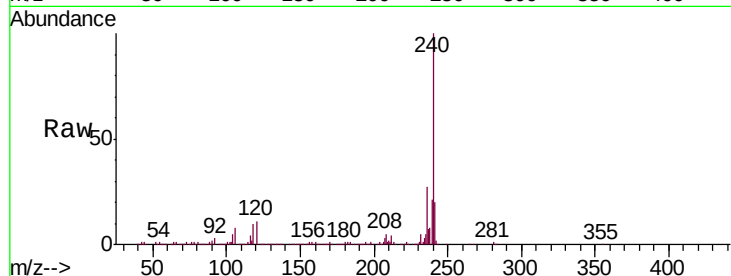




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.03 min
Lab File: BG044095.D
Acq: 20 Jan 2020 13:08

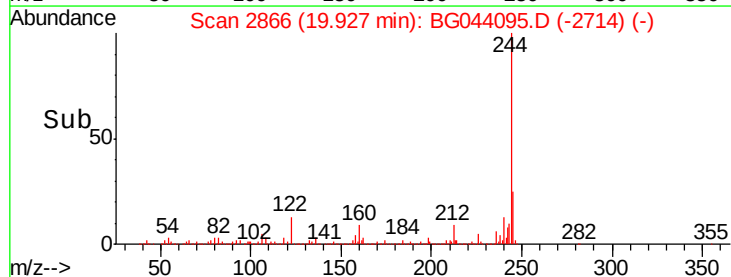
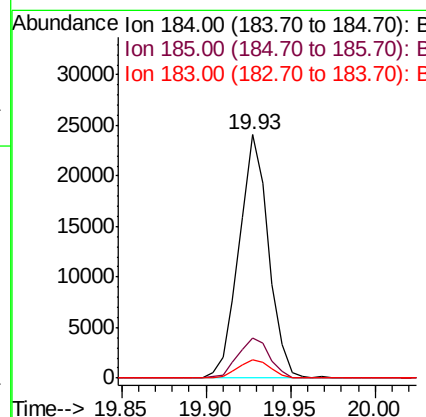
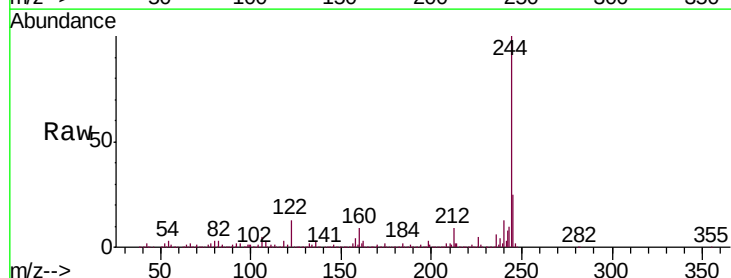
Instrument :
BNA_G
ClientSampleId :
PB126166BL

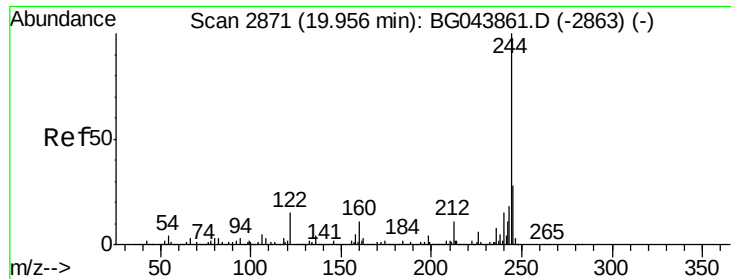
Tgt Ion:240 Resp: 477241
Ion Ratio Lower Upper
240 100
120 11.1 9.6 14.4
236 27.1 22.2 33.2



#77
Benzidine
Concen: 2.439 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.36 min
Lab File: BG044095.D
Acq: 20 Jan 2020 13:08

Tgt Ion:184 Resp: 29260
Ion Ratio Lower Upper
184 100
185 16.4 13.4 20.0
183 7.7 10.6 15.8#





#79

Terphenyl-d14

Concen: 89.540 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044095.D

Acq: 20 Jan 2020 13:08

Instrument :

BNA_G

ClientSampleId :

PB126166BL

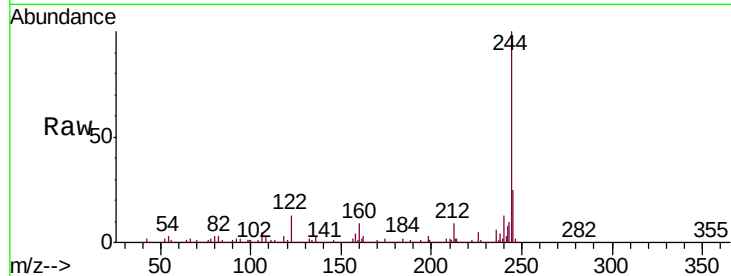
Tgt Ion:244 Resp: 1747771

Ion Ratio Lower Upper

244 100

212 9.0 8.6 13.0

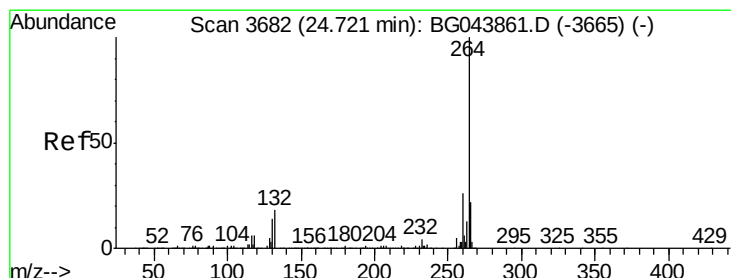
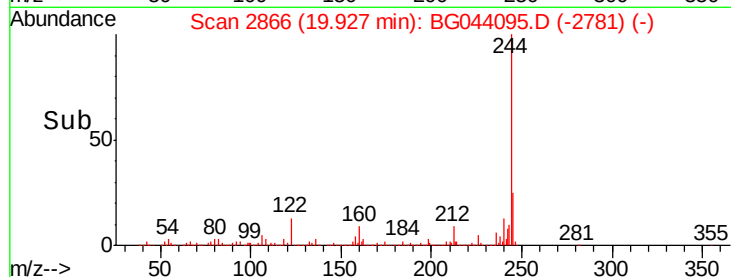
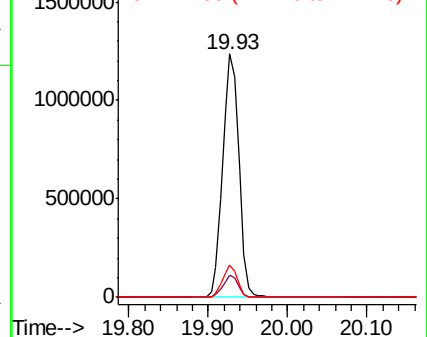
122 13.1 11.9 17.9



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: 24.67 min Scan# 3674

Delta R.T. -0.05 min

Lab File: BG044095.D

Acq: 20 Jan 2020 13:08

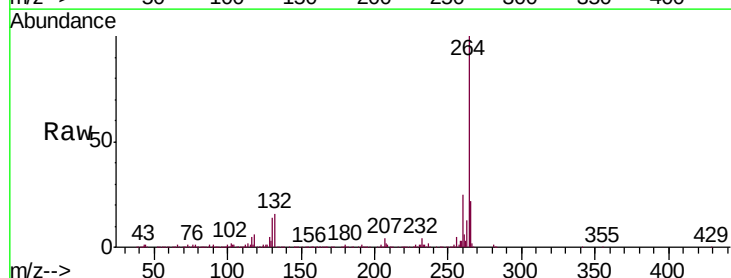
Tgt Ion:264 Resp: 531080

Ion Ratio Lower Upper

264 100

260 24.8 20.4 30.6

265 22.0 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

