

Data File : BG044198.D
Acq On : 25 Jan 2020 2:29
Operator : CG/JU
Sample : PB126331TB
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126331TB

Quant Time: Jan 27 00:49:10 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

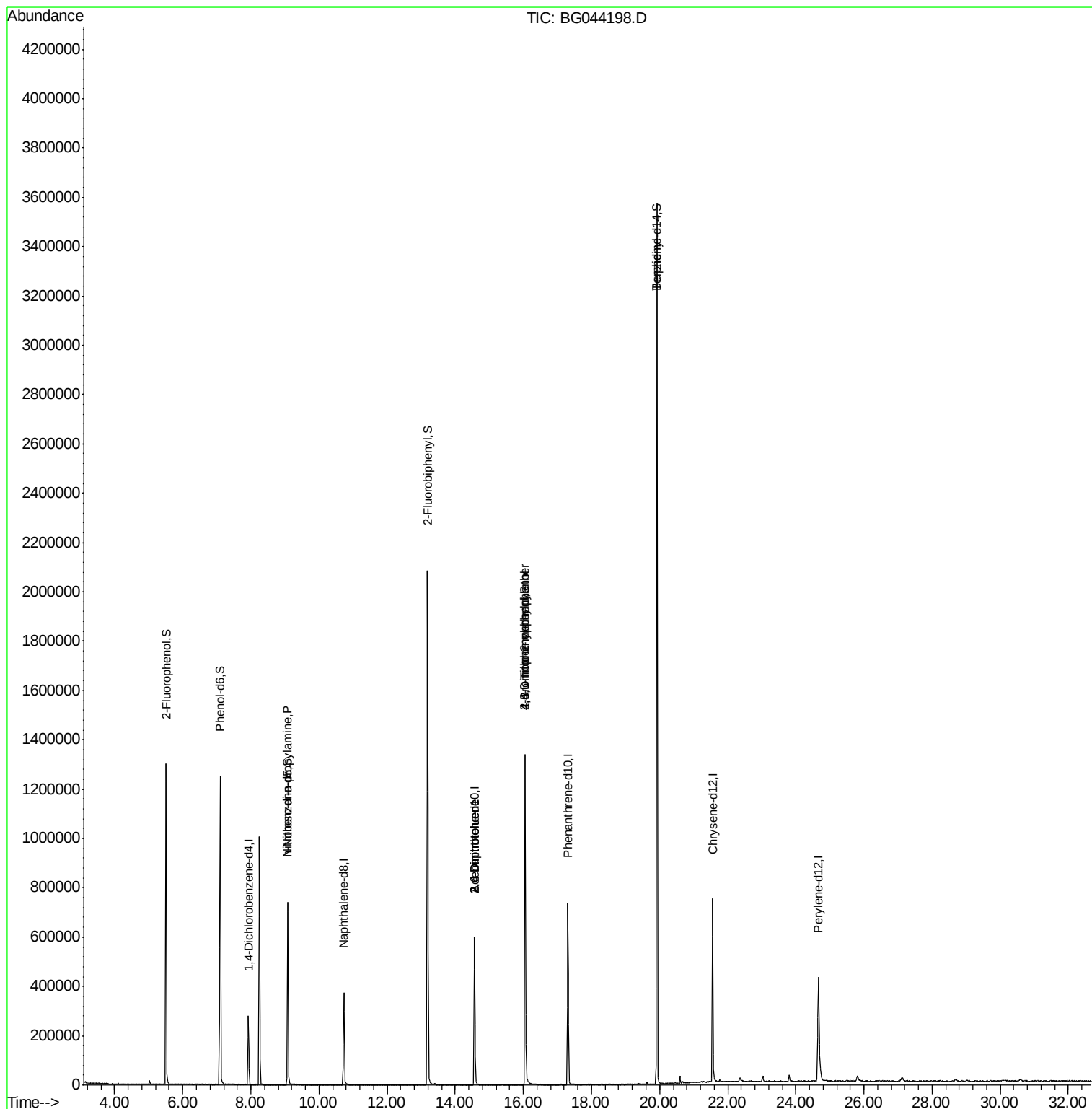
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	83203	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	358928	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	241276	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	495145	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	425819	20.00	ng	-0.03
87) Perylene-d12	24.66	264	471615	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	627344	138.44	ng	-0.03
7) Phenol-d6	7.10	99	822640	129.87	ng	-0.02
23) Nitrobenzene-d5	9.08	82	491035	73.19	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	283271	112.19	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1166569	87.60	ng	-0.03
79) Terphenyl-d14	19.92	244	1656268	97.34	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	64133	13.596	ng	# 78
51) 2,6-Dinitrotoluene	14.57	165	30668	7.920	ng	# 27
57) 2,4-Dinitrotoluene	14.57	165	30670	5.821	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	872	4.700	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	19815	3.558	ng	# 1
77) Benzidine	19.92	184	27896	2.606	ng	# 93

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

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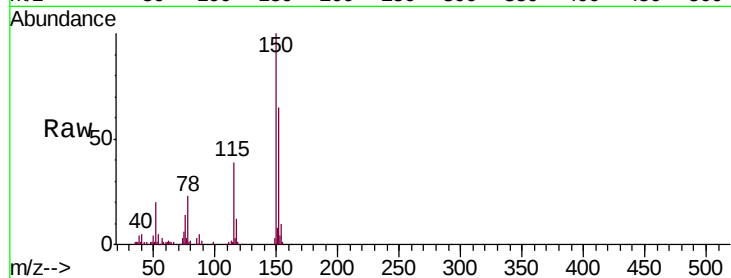


#1

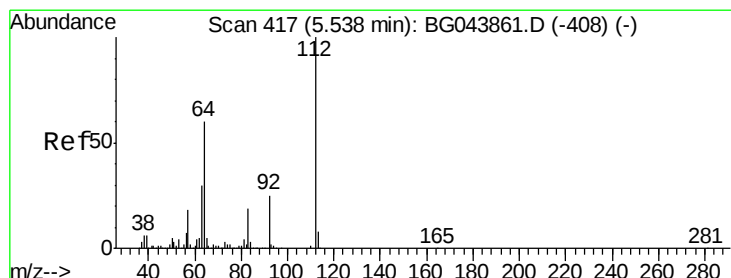
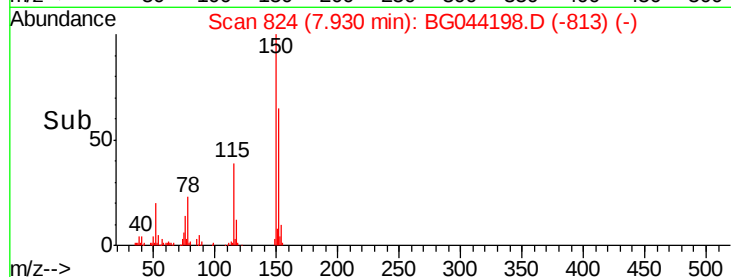
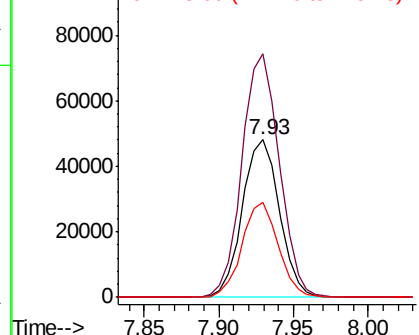
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044198.D
Acq: 25 Jan 2020 2:29

Instrument :
BNA_G
ClientSampleId :
PB126331TB

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	127.0	190.4
115	60.6	47.8	71.8



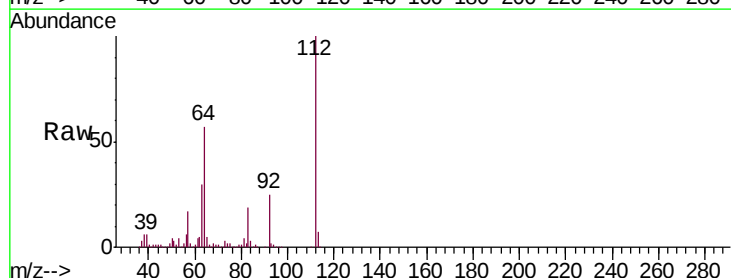
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



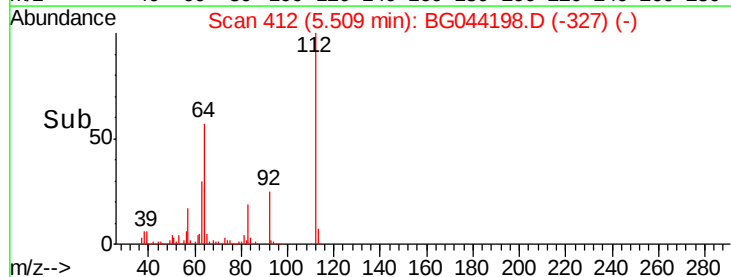
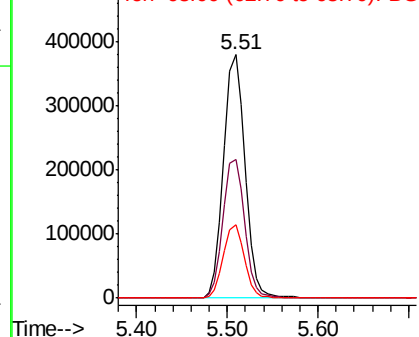
#5

2-Fluorophenol
Concen: 138.442 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044198.D
Acq: 25 Jan 2020 2:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.8	71.6
63	30.2	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: 129.874 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044198.D

Acq: 25 Jan 2020 2:29

Instrument :

BNA_G

ClientSampleId :

PB126331TB

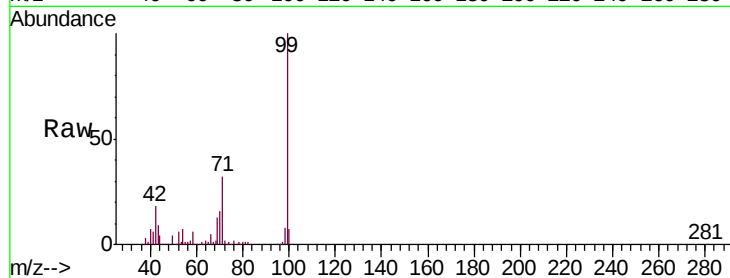
Tgt Ion: 99 Resp: 822640

Ion Ratio Lower Upper

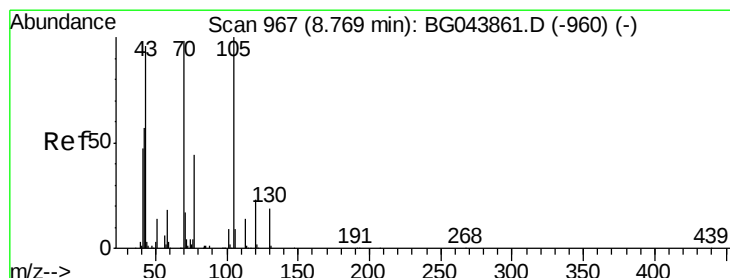
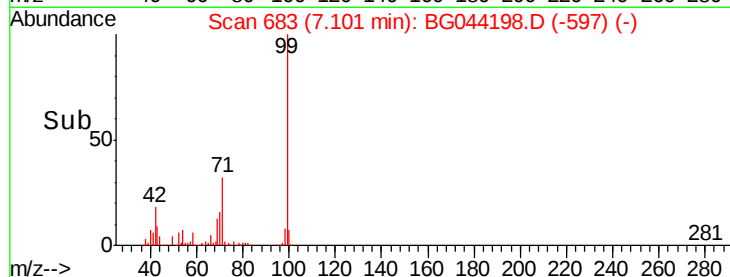
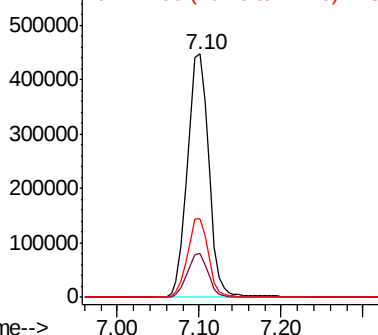
99 100

42 18.0 14.9 22.3

71 32.2 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: 13.596 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.31 min

Lab File: BG044198.D

Acq: 25 Jan 2020 2:29

Tgt Ion: 70 Resp: 64133

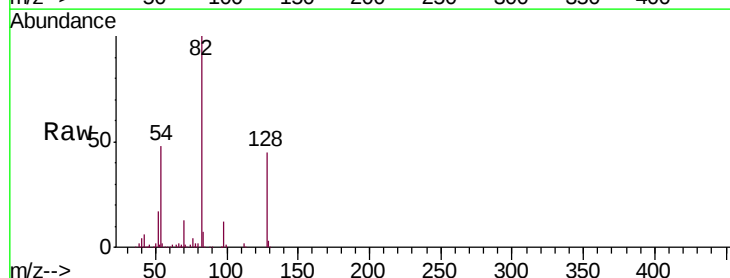
Ion Ratio Lower Upper

70 100

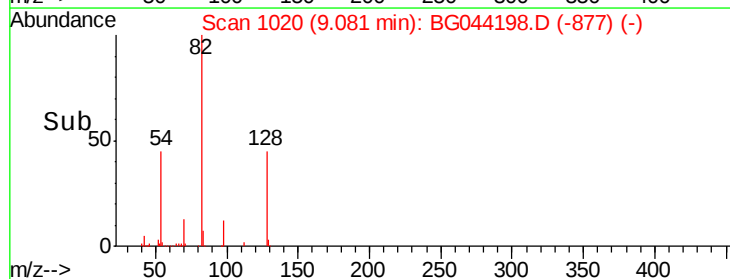
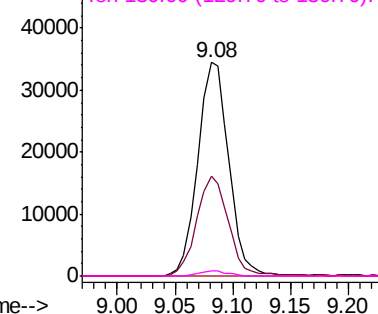
42 46.8 47.0 70.4#

101 0.0 7.2 10.8#

130 2.7 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

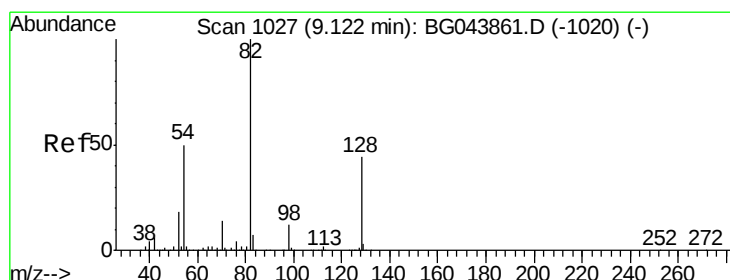
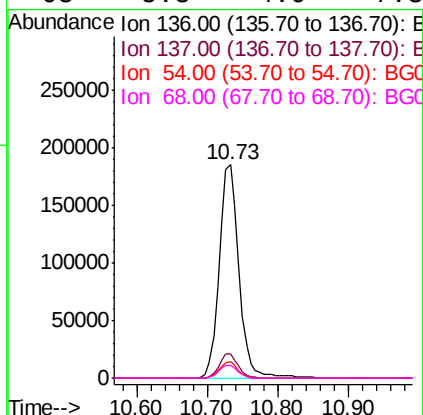
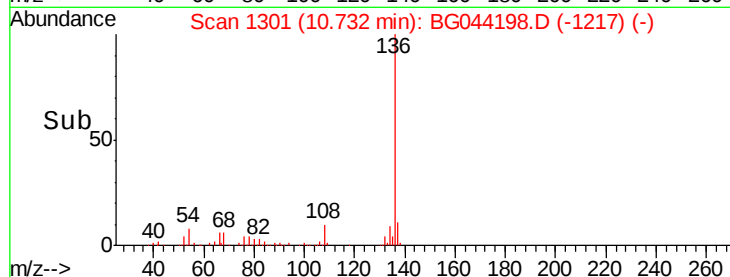
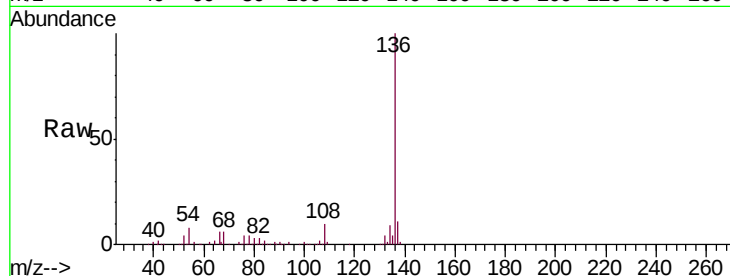




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044198.D
Acq: 25 Jan 2020 2:29

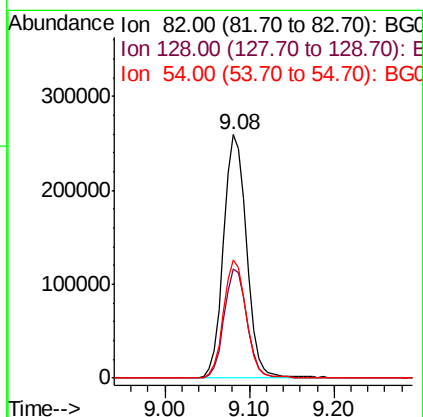
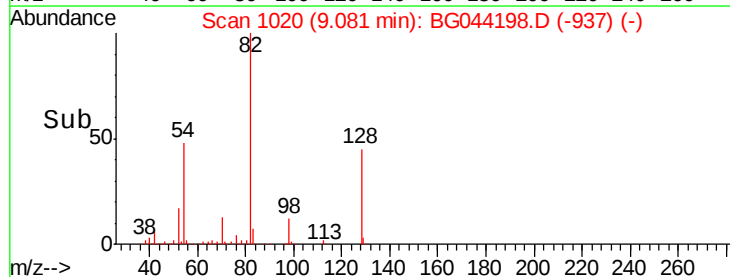
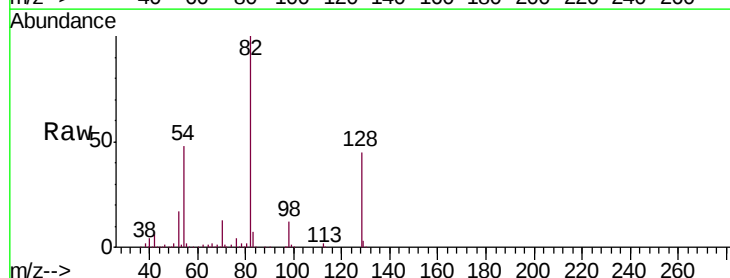
Instrument :
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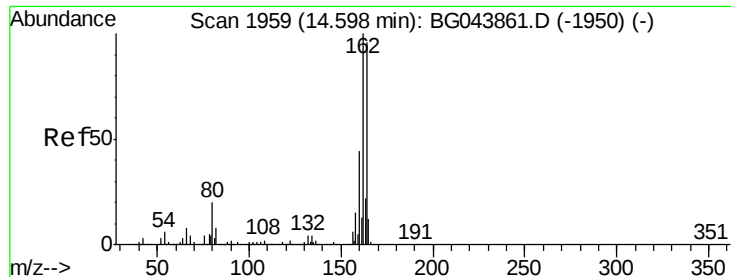
Tgt Ion:	136	Resp:	358928
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.0	7.0	10.4
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 73.186 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BG044198.D
Acq: 25 Jan 2020 2:29

Tgt Ion:	82	Resp:	491035
Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.1	52.7
54	48.3	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: BG044198.D

Acq: 25 Jan 2020 2:29

Instrument :

BNA_G

ClientSampleId :

PB126331TB

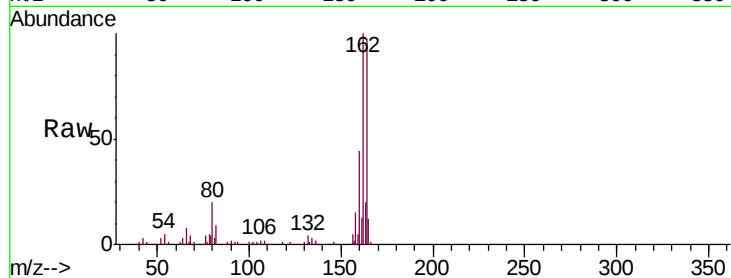
Tgt Ion:164 Resp: 241276

Ion Ratio Lower Upper

164 100

162 102.6 83.0 124.4

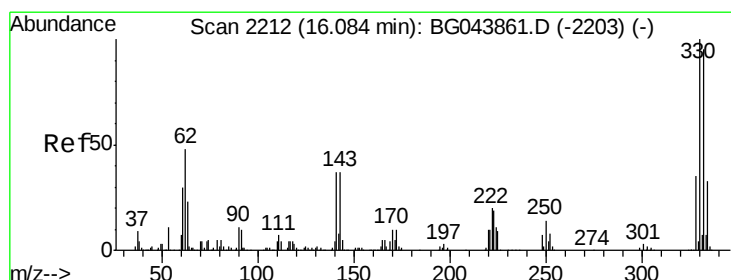
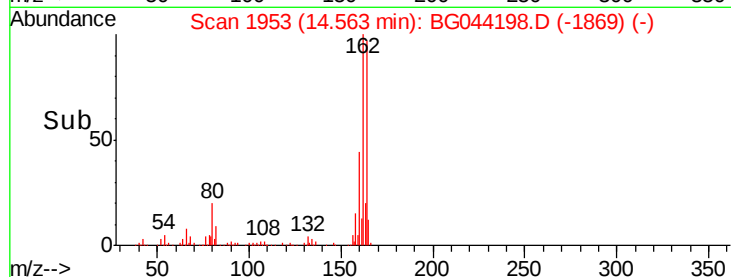
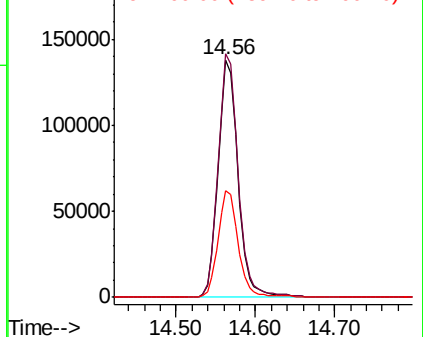
160 44.8 36.1 54.1



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: 112.191 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044198.D

Acq: 25 Jan 2020 2:29

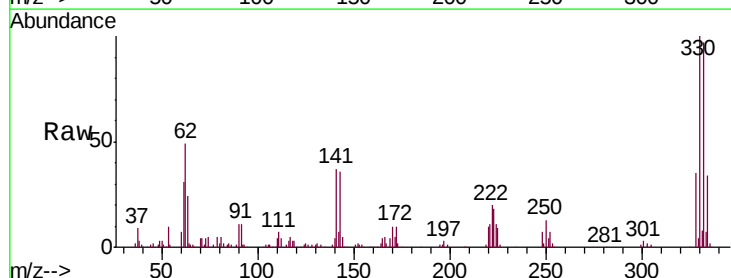
Tgt Ion:330 Resp: 283271

Ion Ratio Lower Upper

330 100

332 97.7 77.2 115.8

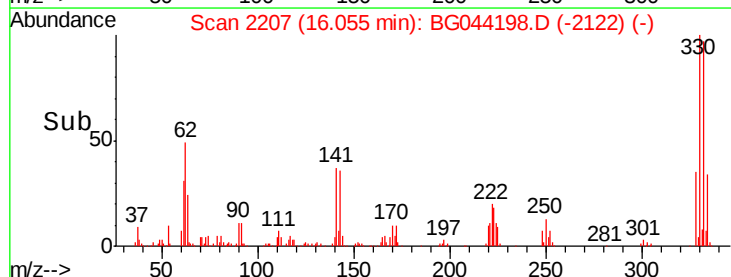
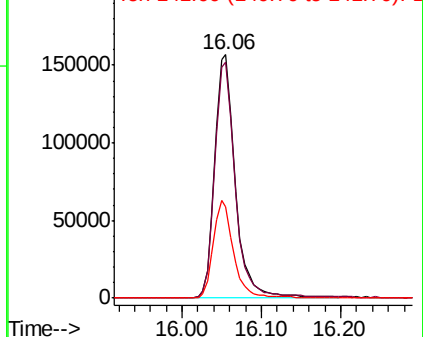
141 39.3 33.1 49.7

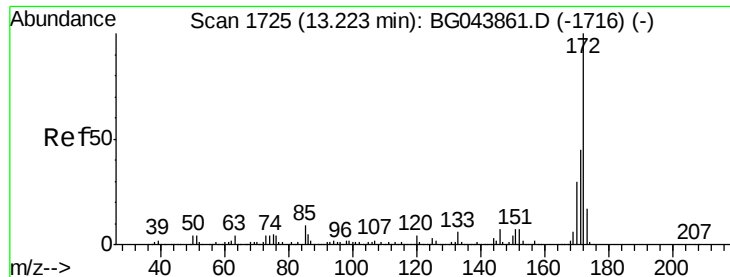


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

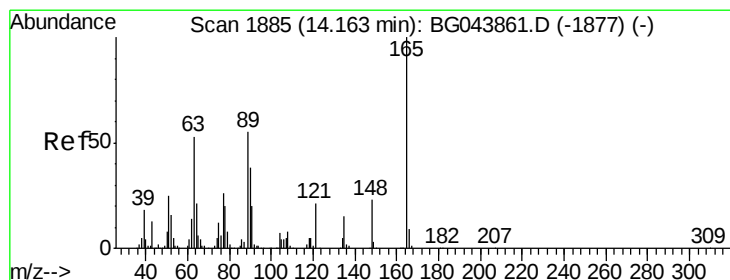
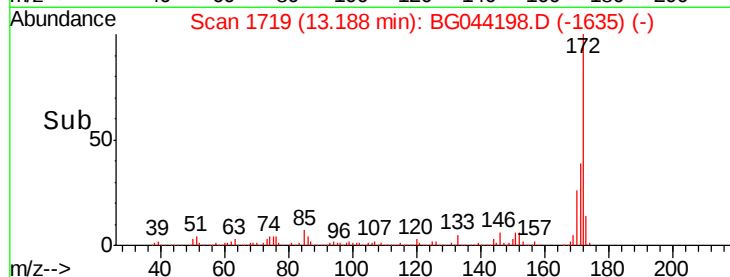
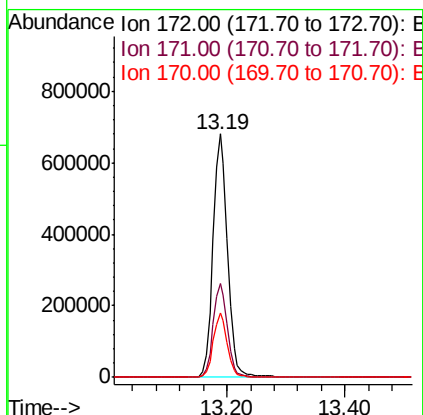
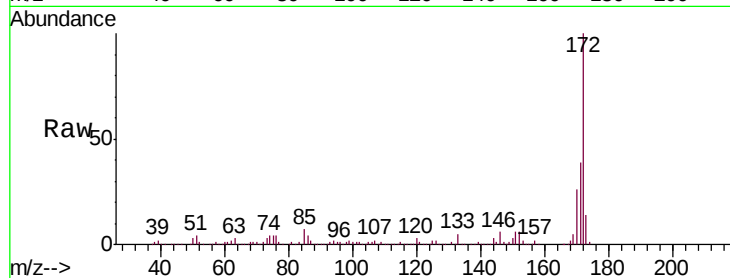




#45
 2-Fluorobiphenyl
 Concen: 87.599 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044198.D
 Acq: 25 Jan 2020 2:29

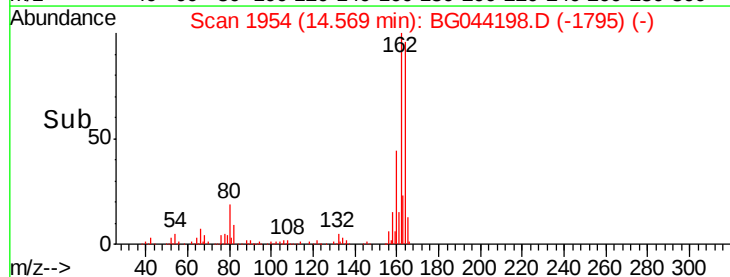
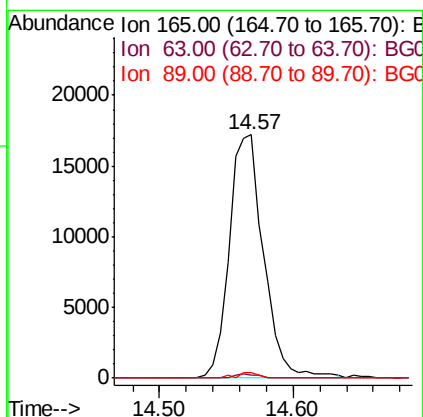
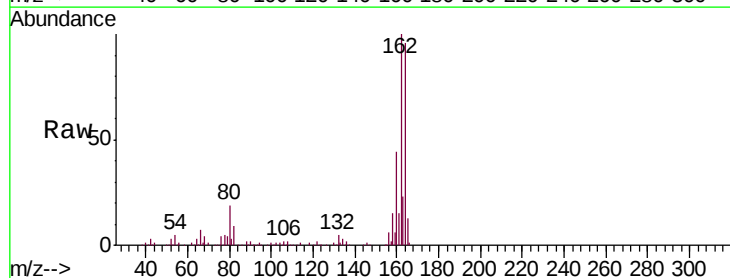
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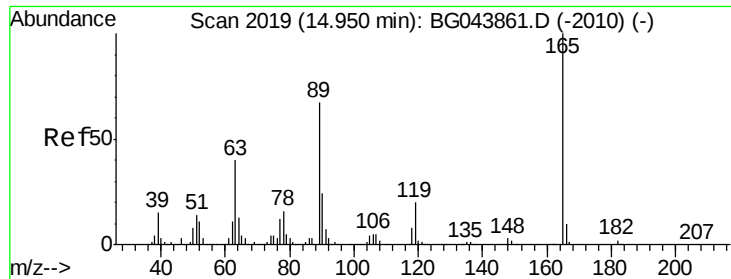
Tgt Ion:172 Resp: 1166569
 Ion Ratio Lower Upper
 172 100
 171 38.7 35.8 53.8
 170 26.5 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 7.920 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.41 min
 Lab File: BG044198.D
 Acq: 25 Jan 2020 2:29

Tgt Ion:165 Resp: 30668
 Ion Ratio Lower Upper
 165 100
 63 1.3 43.1 64.7#
 89 2.0 43.8 65.6#

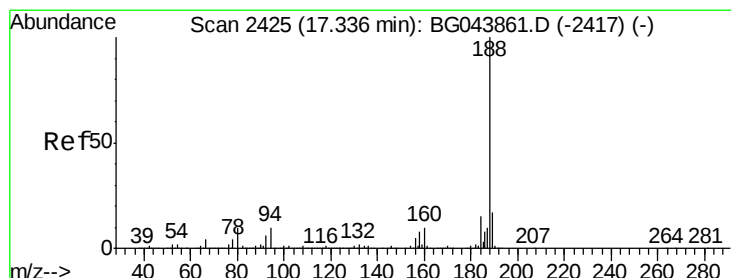
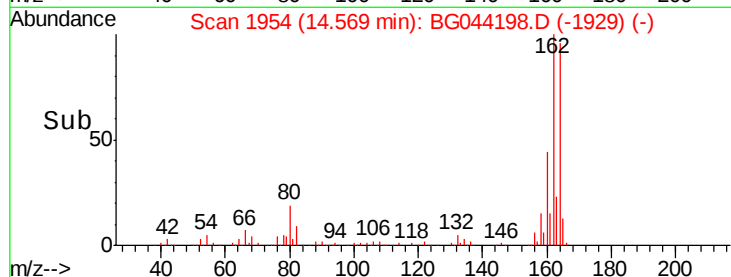
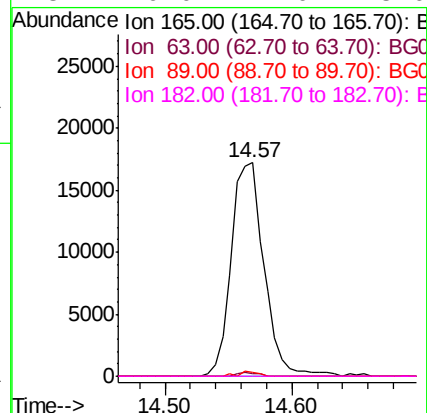
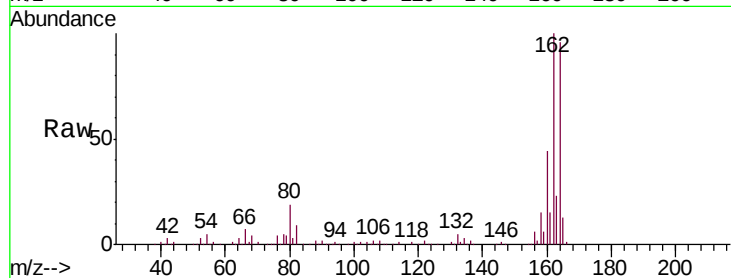




#57
 2,4-Dinitrotoluene
 Concen: 5.821 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG044198.D
 Acq: 25 Jan 2020 2:29

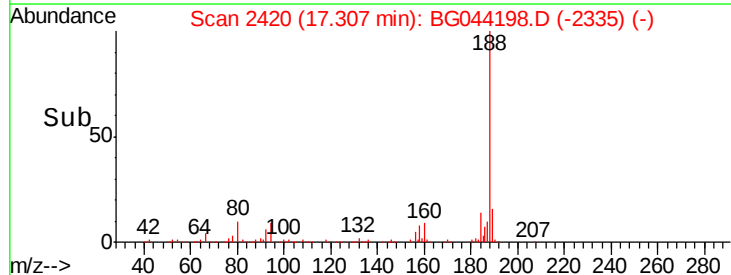
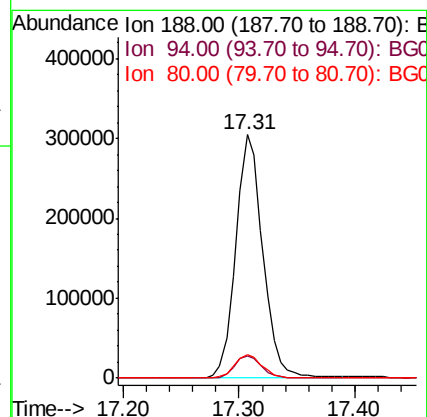
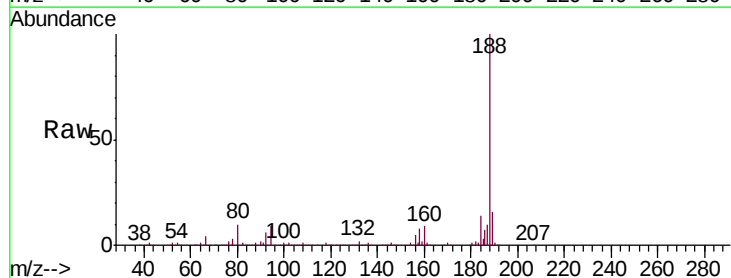
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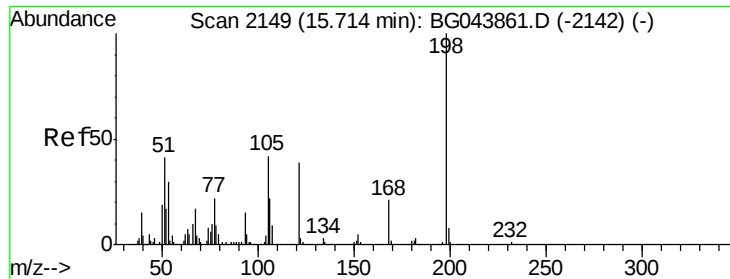
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.9	47.9#
89	2.0	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044198.D
 Acq: 25 Jan 2020 2:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.9	11.9
80	9.8	8.2	12.4

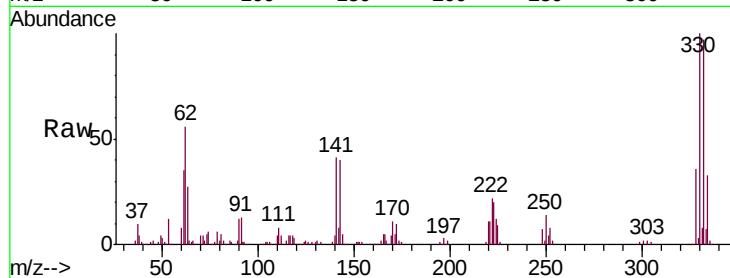




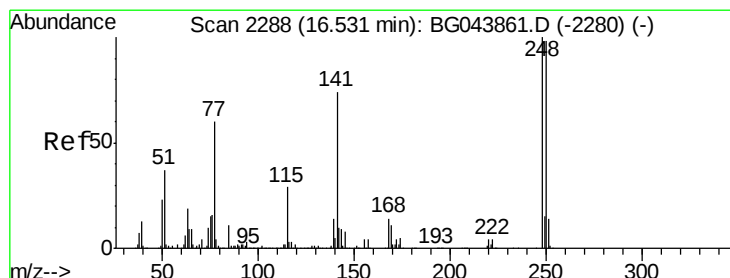
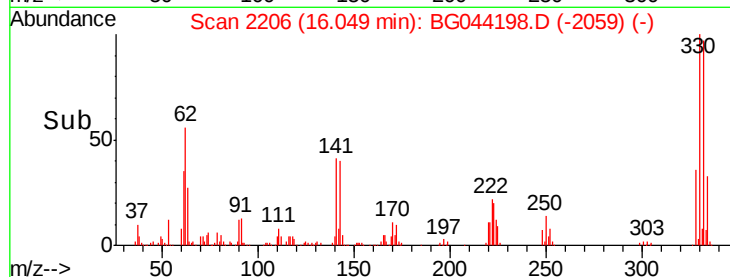
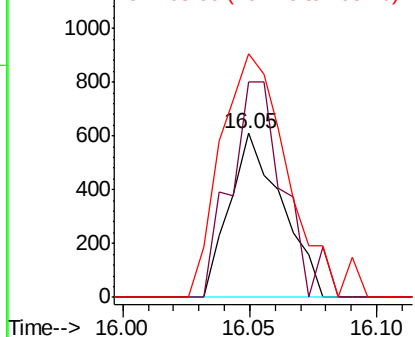
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.700 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.34 min
 Lab File: BG044198.D
 Acq: 25 Jan 2020 2:29

Instrument :
 BNA_G
 ClientSampleId :
 PB126331TB

Tgt Ion:198 Resp: 872
 Ion Ratio Lower Upper
 198 100
 51 131.7 22.5 62.5#
 105 148.6 22.3 62.3#

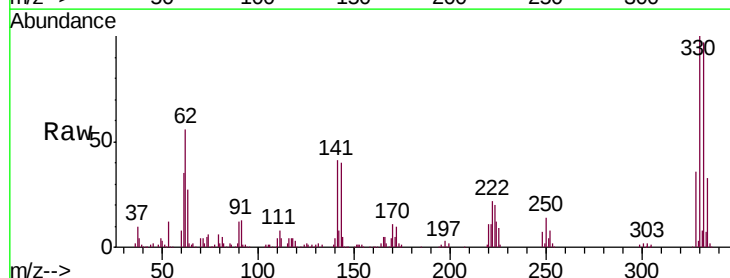


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

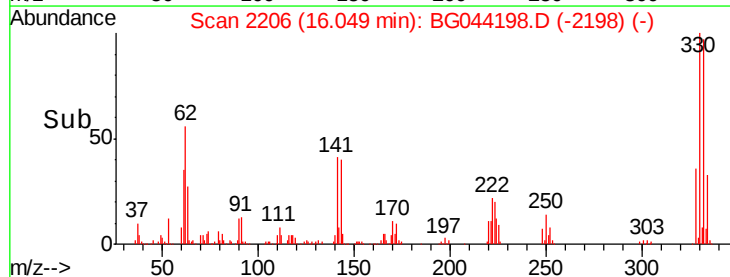
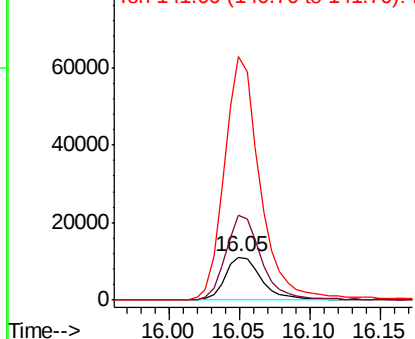


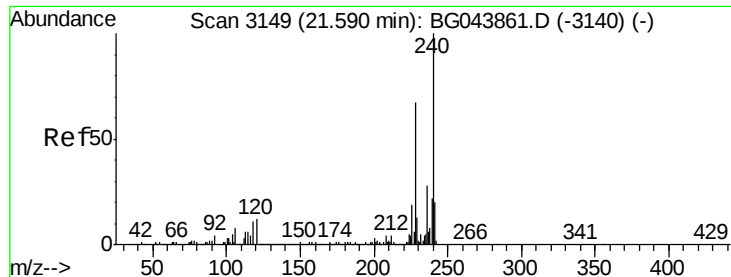
#67
 4-Bromophenyl-phenylether
 Concen: 3.558 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044198.D
 Acq: 25 Jan 2020 2:29

Tgt Ion:248 Resp: 19815
 Ion Ratio Lower Upper
 248 100
 250 197.5 78.2 117.2#
 141 564.8 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

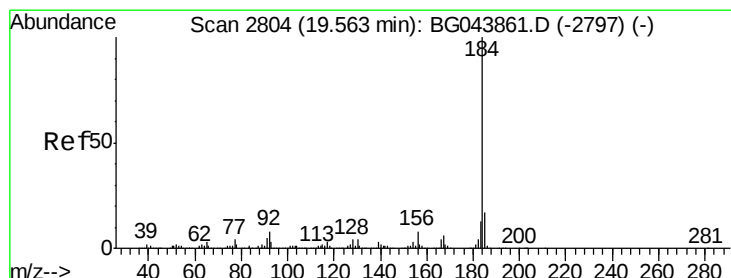
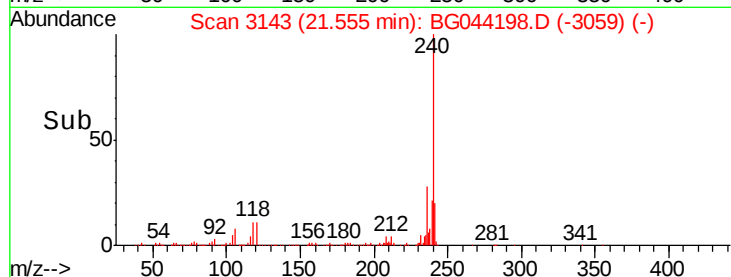
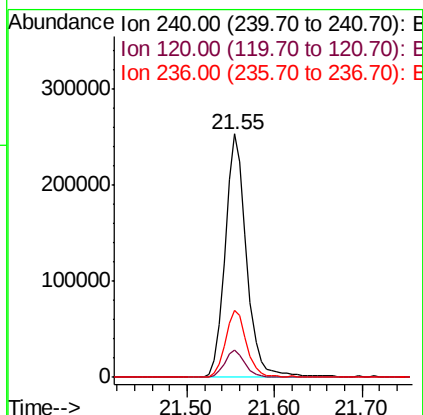
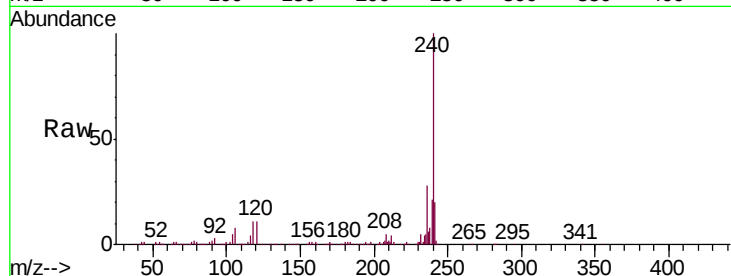




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.03 min
Lab File: BG044198.D
Acq: 25 Jan 2020 2:29

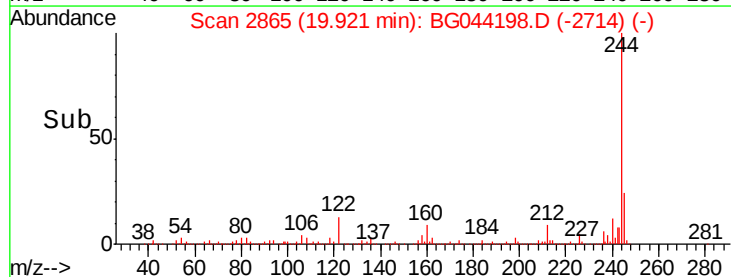
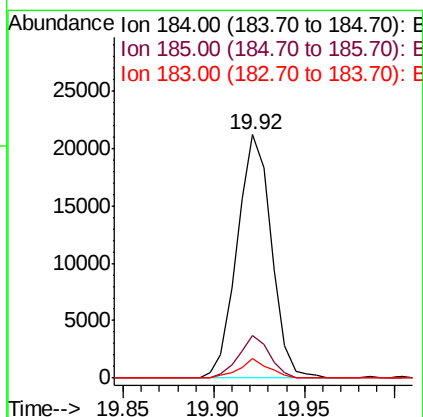
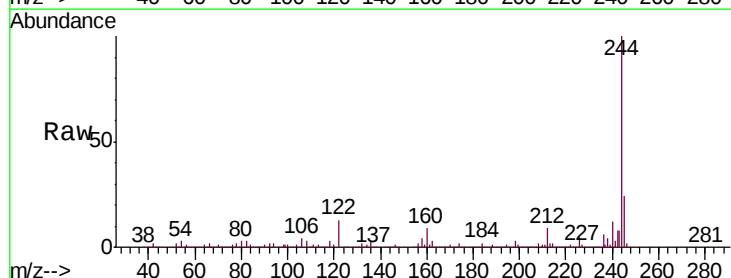
Instrument :
BNA_G
ClientSampleId :
PB126331TB

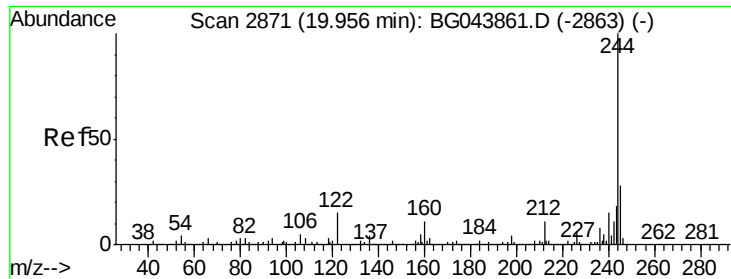
Tgt Ion:240 Resp: 425819
Ion Ratio Lower Upper
240 100
120 11.3 9.6 14.4
236 27.6 22.2 33.2



#77
Benzidine
Concen: 2.606 ng
RT: 19.92 min Scan# 2865
Delta R.T. 0.36 min
Lab File: BG044198.D
Acq: 25 Jan 2020 2:29

Tgt Ion:184 Resp: 27896
Ion Ratio Lower Upper
184 100
185 17.6 13.4 20.0
183 7.9 10.6 15.8#





#79

Terphenyl-d14

Concen: 97.341 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044198.D

Acq: 25 Jan 2020 2:29

Instrument :

BNA_G

ClientSampleId :

PB126331TB

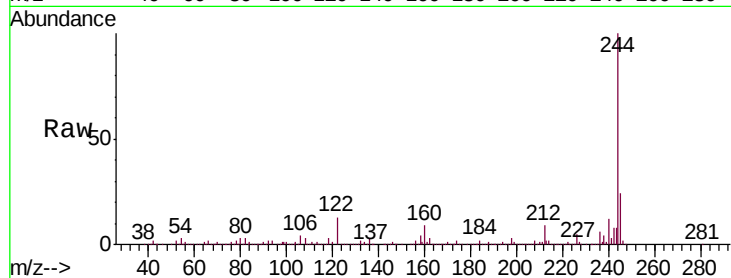
Tgt Ion:244 Resp: 1656268

Ion Ratio Lower Upper

244 100

212 8.8 8.6 13.0

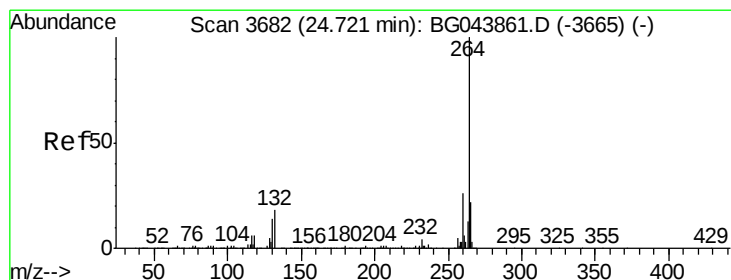
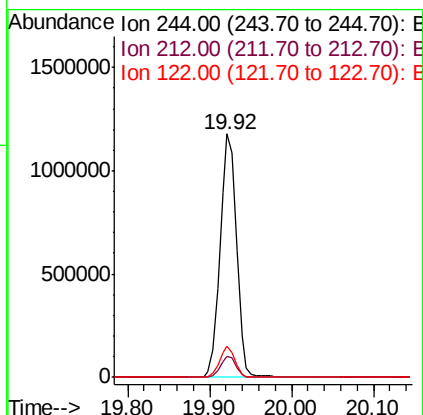
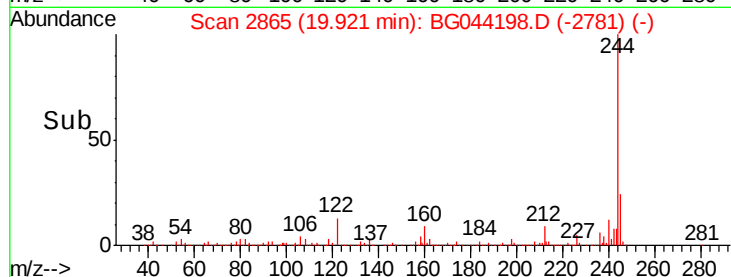
122 12.7 11.9 17.9



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# 3672

Delta R.T. -0.06 min

Lab File: BG044198.D

Acq: 25 Jan 2020 2:29

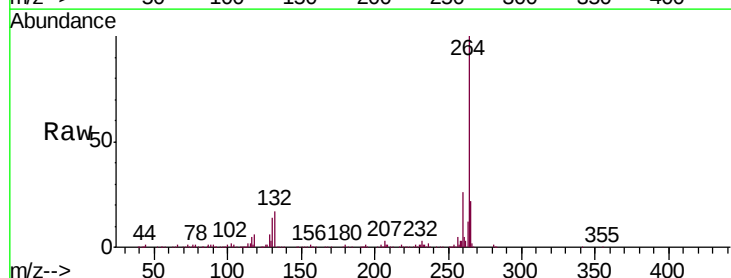
Tgt Ion:264 Resp: 471615

Ion Ratio Lower Upper

264 100

260 25.5 20.4 30.6

265 21.6 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

