

Data File : BG044182.D
Acq On : 24 Jan 2020 15:09
Operator : CG/JU
Sample : PB126320BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126320BL

Quant Time: Jan 25 05:34:33 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

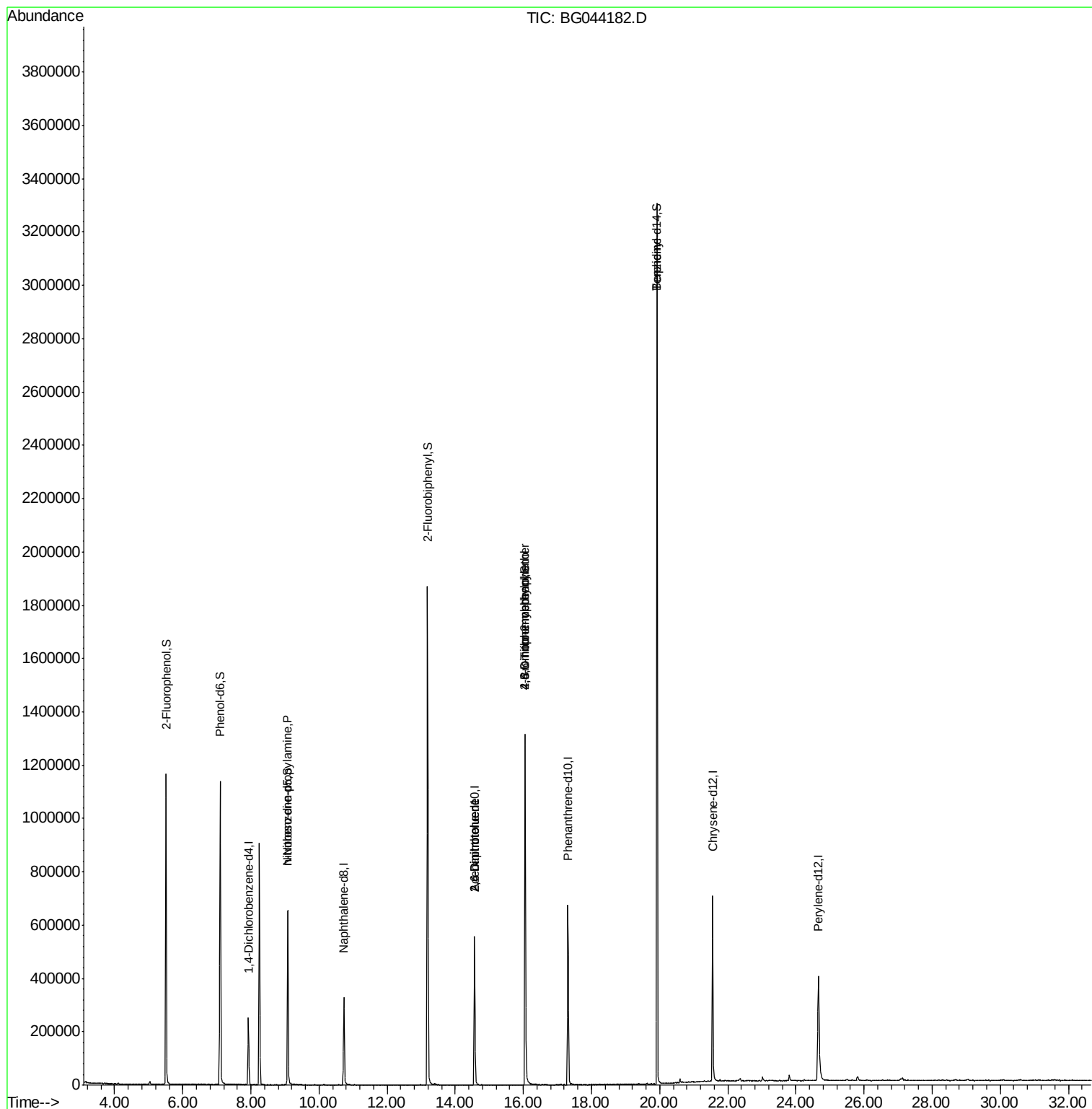
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	72306	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	313856	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	214071	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	467074	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	405605	20.00	ng	-0.04
87) Perylene-d12	24.66	264	449399	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	558504	141.83	ng	-0.03
7) Phenol-d6	7.10	99	725704	131.84	ng	-0.02
23) Nitrobenzene-d5	9.08	82	430141	73.32	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	268130	119.69	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1039872	88.01	ng	-0.04
79) Terphenyl-d14	19.93	244	1596690	99.00	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	56771	13.849	ng	# 77
51) 2,6-Dinitrotoluene	14.56	165	27475	7.997	ng	# 26
57) 2,4-Dinitrotoluene	14.56	165	27551	5.894	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.05	198	972	4.757	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	19103	3.636	ng	# 1
77) Benzidine	19.93	184	26890	2.638	ng	# 91

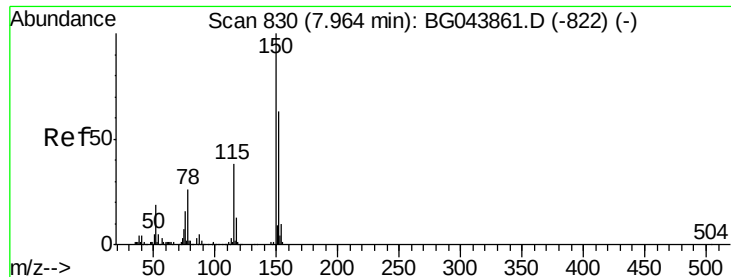
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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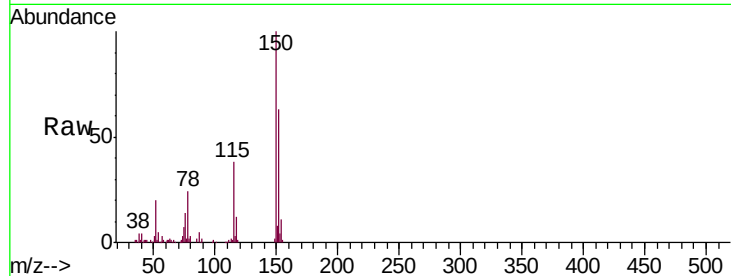


#1

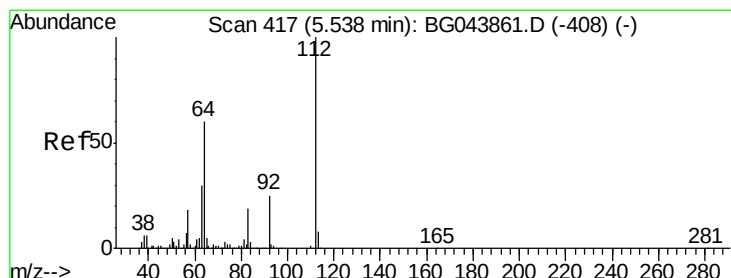
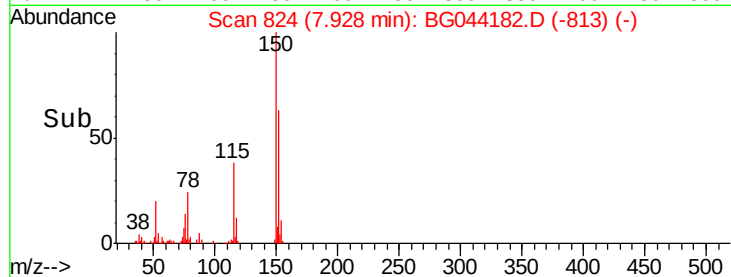
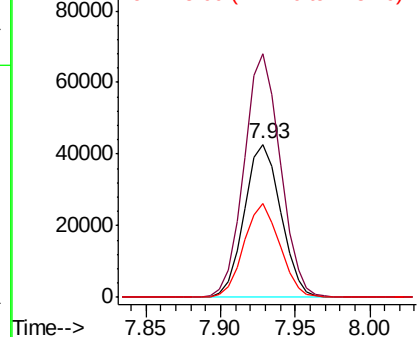
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044182.D
Acq: 24 Jan 2020 15:09

Instrument :
BNA_G
ClientSampleId :
PB126320BL

Tgt Ion:152 Resp: 72306
Ion Ratio Lower Upper
152 100
150 159.2 127.0 190.4
115 61.0 47.8 71.8



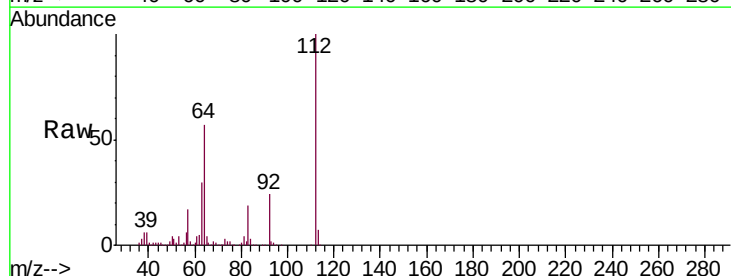
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



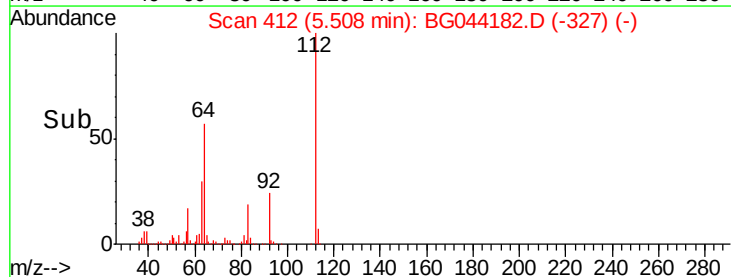
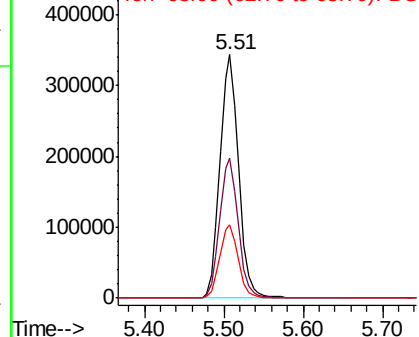
#5

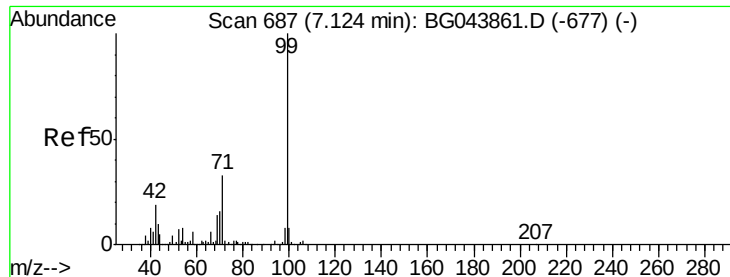
2-Fluorophenol
Concen: 141.825 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044182.D
Acq: 24 Jan 2020 15:09

Tgt Ion:112 Resp: 558504
Ion Ratio Lower Upper
112 100
64 57.5 47.8 71.6
63 29.9 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: 131.836 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044182.D

Acq: 24 Jan 2020 15:09

Instrument :

BNA_G

ClientSampleId :

PB126320BL

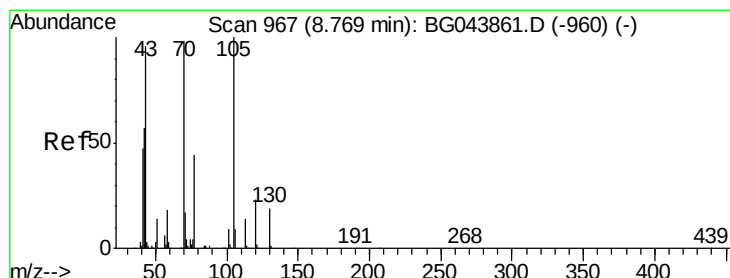
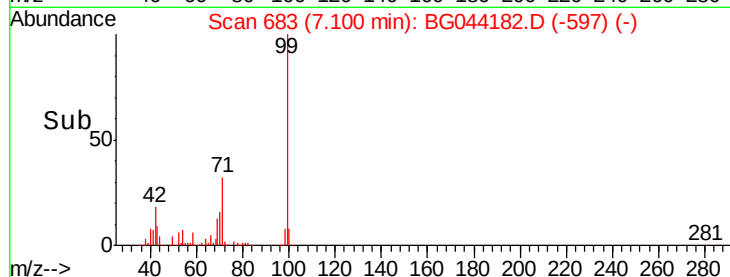
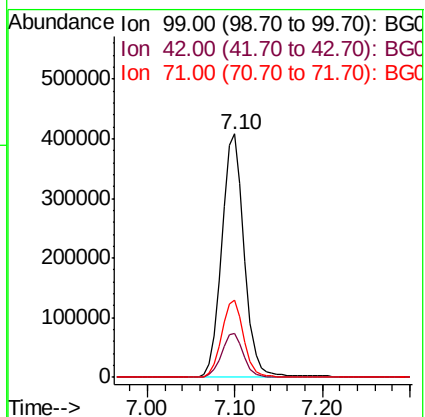
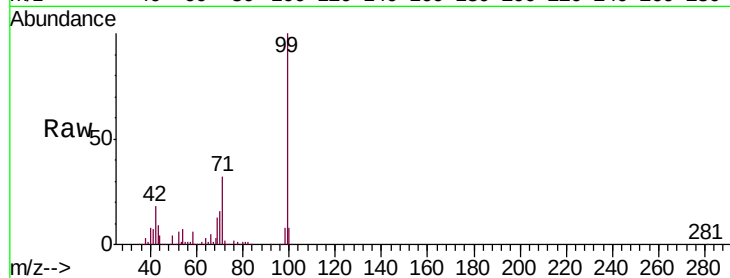
Tgt Ion: 99 Resp: 725704

Ion Ratio Lower Upper

99 100

42 18.1 14.9 22.3

71 31.6 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.849 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044182.D

Acq: 24 Jan 2020 15:09

Tgt Ion: 70 Resp: 56771

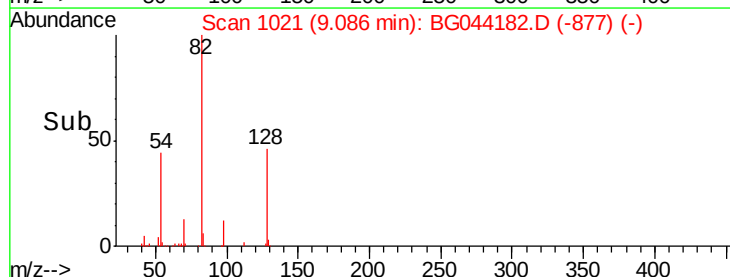
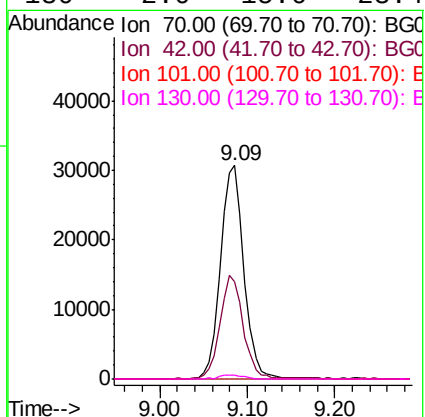
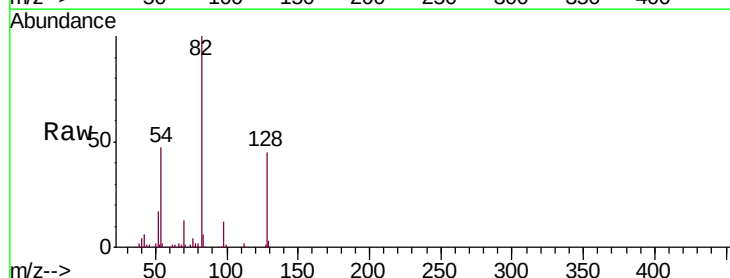
Ion Ratio Lower Upper

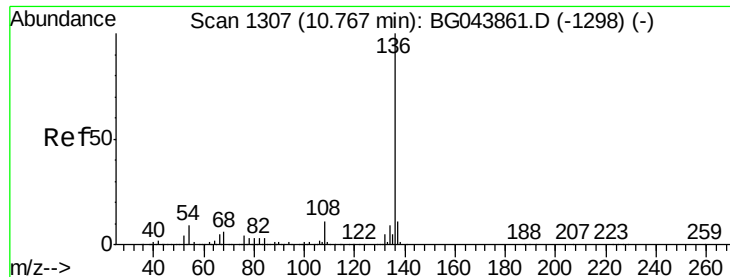
70 100

42 45.7 47.0 70.4#

101 0.0 7.2 10.8#

130 2.0 15.6 23.4#

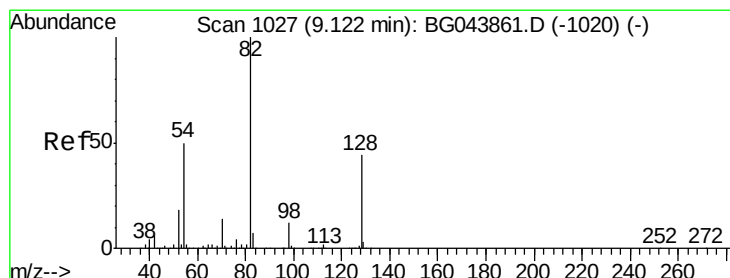
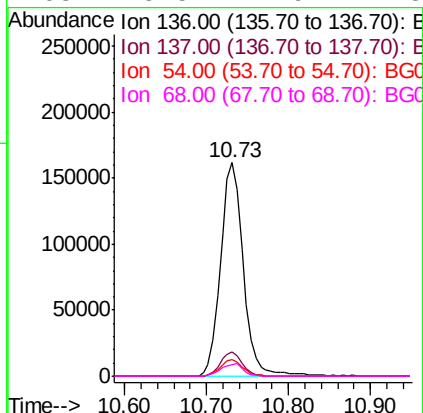
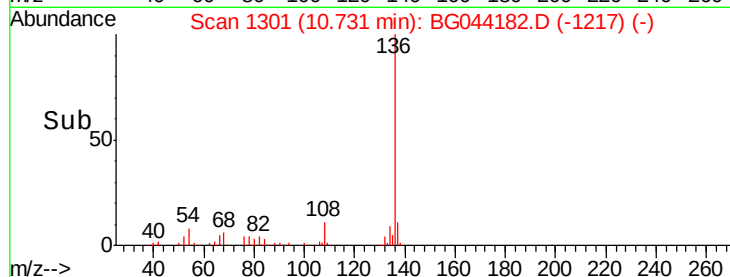
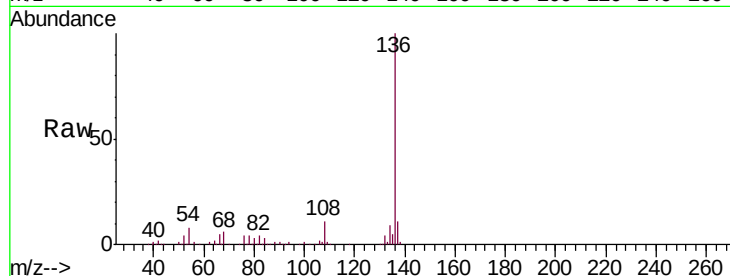




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044182.D
Acq: 24 Jan 2020 15:09

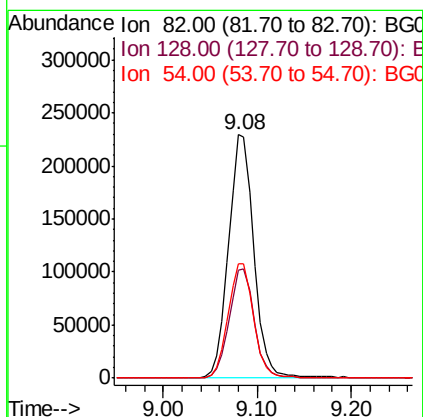
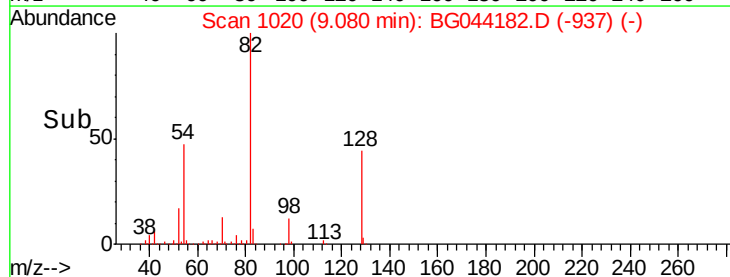
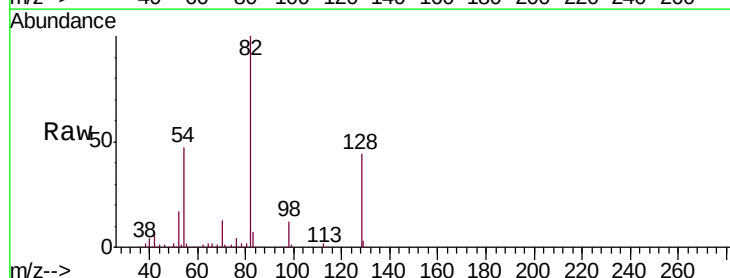
Instrument :
BNA_G
ClientSampleId :
PB126320BL

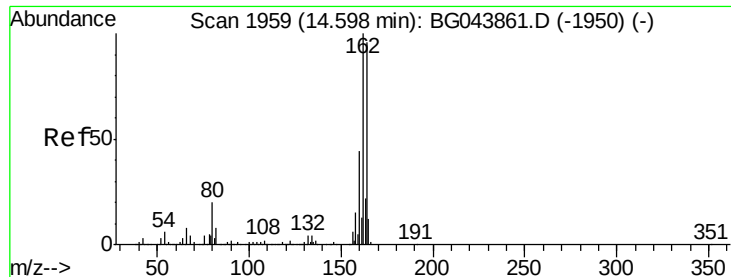
Tgt Ion:	136	Resp:	313856
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	7.9	7.0	10.4
68	5.5	4.9	7.3



#23
Nitrobenzene-d5
Concen: 73.316 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BG044182.D
Acq: 24 Jan 2020 15:09

Tgt Ion:	82	Resp:	430141
Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.1	52.7
54	47.0	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044182.D

Acq: 24 Jan 2020 15:09

Instrument :

BNA_G

ClientSampleId :

PB126320BL

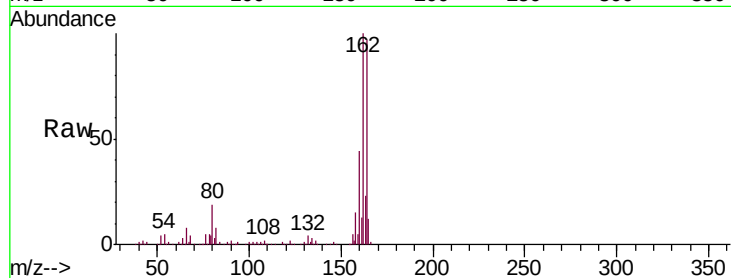
Tgt Ion:164 Resp: 214071

Ion Ratio Lower Upper

164 100

162 103.1 83.0 124.4

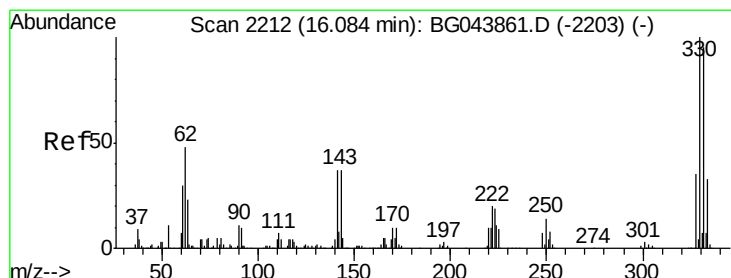
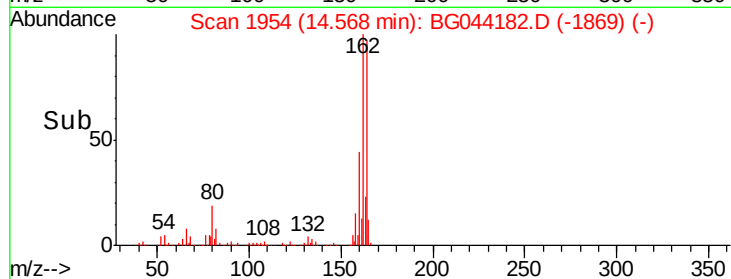
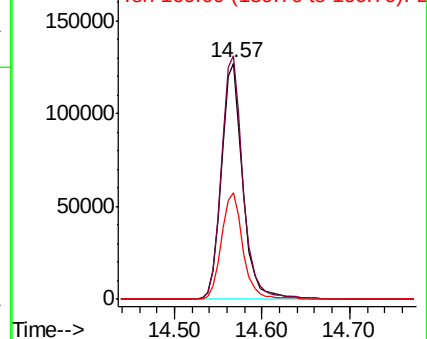
160 45.4 36.1 54.1



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: 119.690 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044182.D

Acq: 24 Jan 2020 15:09

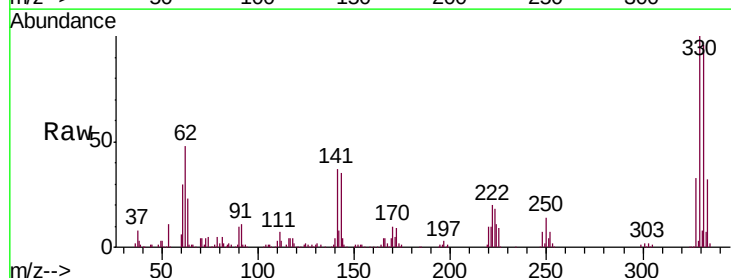
Tgt Ion:330 Resp: 268130

Ion Ratio Lower Upper

330 100

332 96.1 77.2 115.8

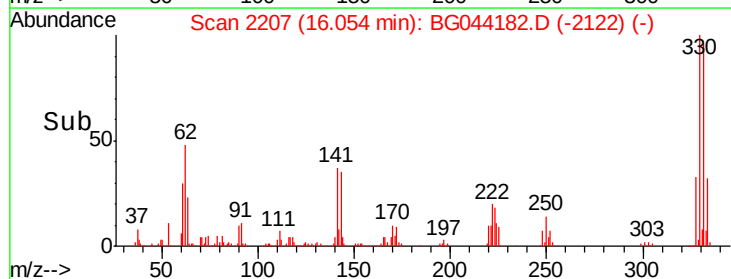
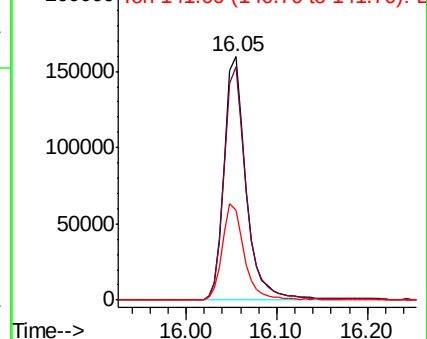
141 39.8 33.1 49.7

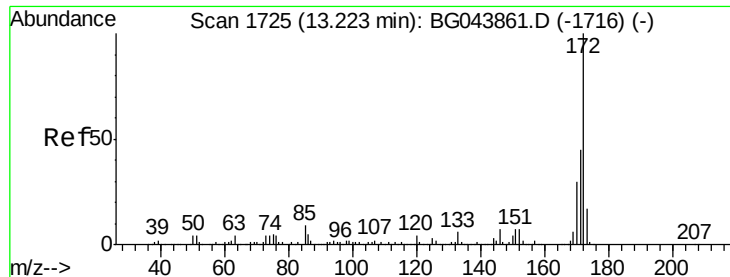


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

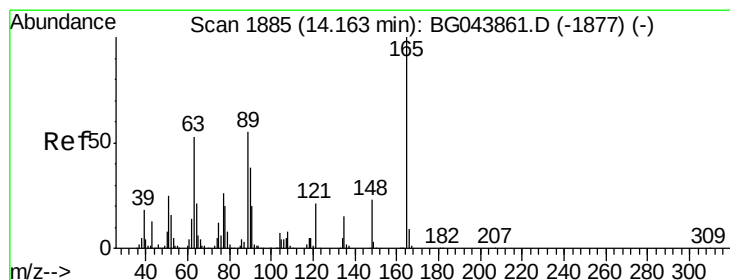
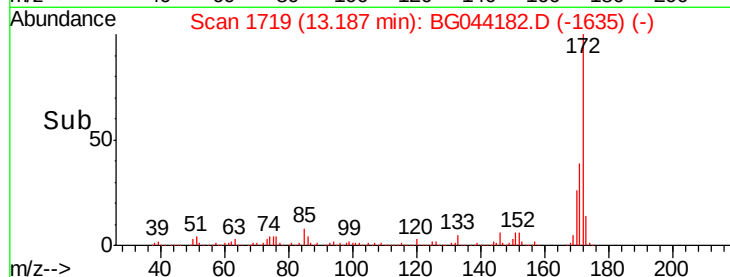
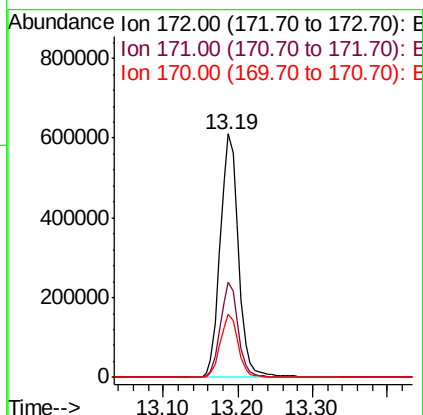
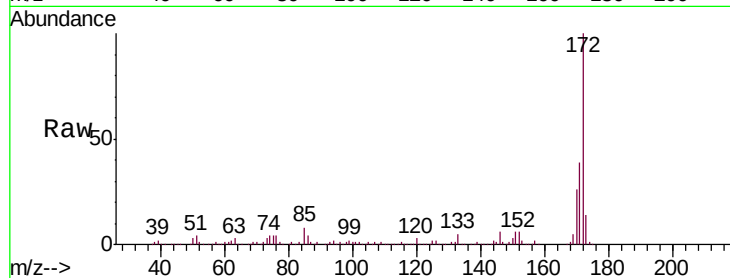




#45
 2-Fluorobiphenyl
 Concen: 88.009 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.04 min
 Lab File: BG044182.D
 Acq: 24 Jan 2020 15:09

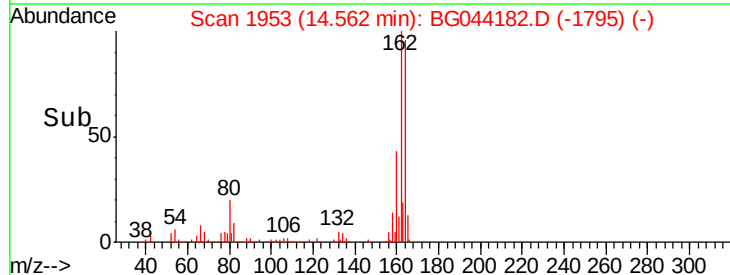
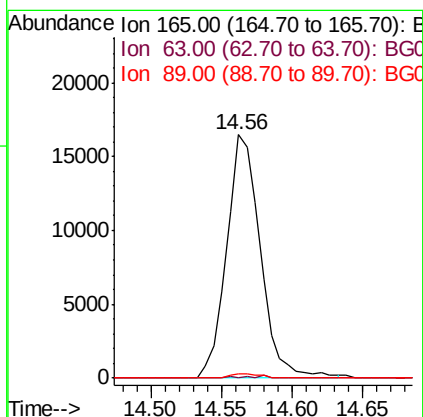
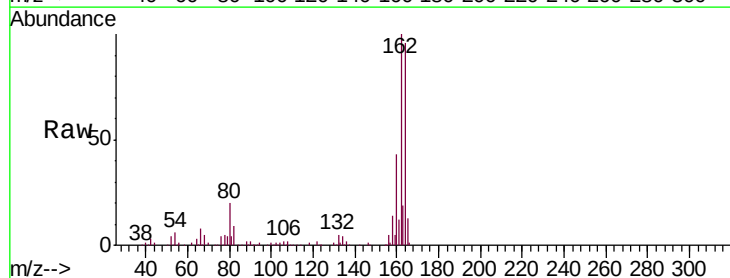
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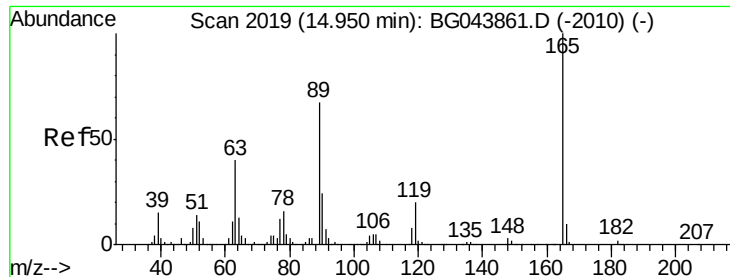
Tgt Ion:172 Resp: 1039872
 Ion Ratio Lower Upper
 172 100
 171 39.3 35.8 53.8
 170 25.9 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 7.997 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.40 min
 Lab File: BG044182.D
 Acq: 24 Jan 2020 15:09

Tgt Ion:165 Resp: 27475
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.1 64.7#
 89 1.6 43.8 65.6#

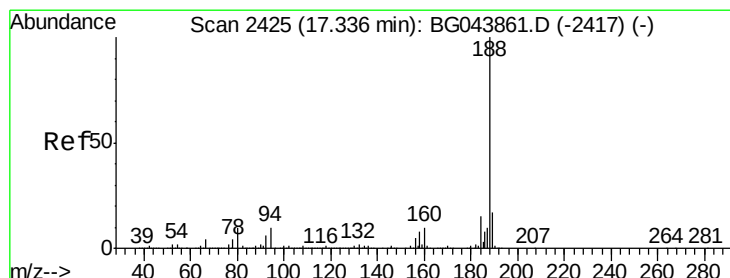
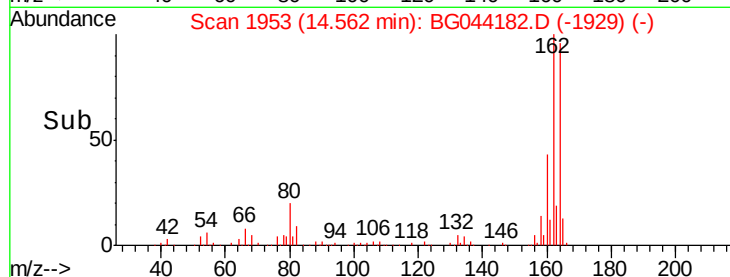
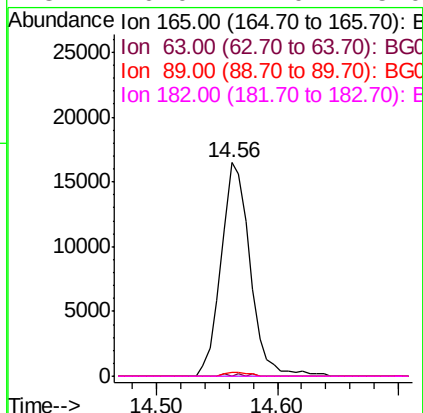
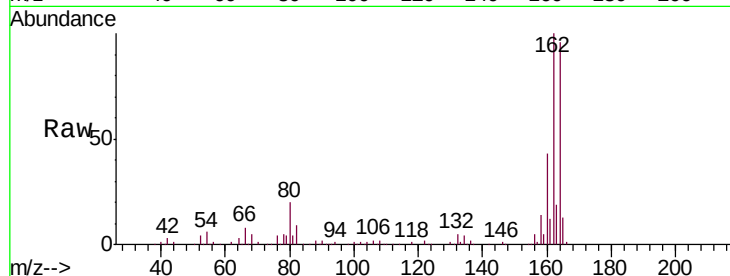




#57
 2,4-Dinitrotoluene
 Concen: 5.894 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044182.D
 Acq: 24 Jan 2020 15:09

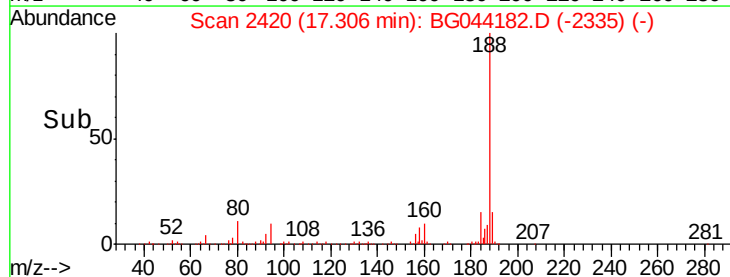
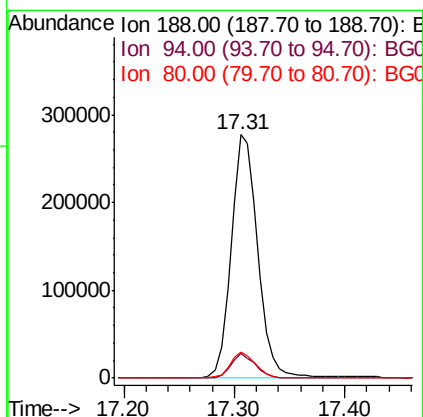
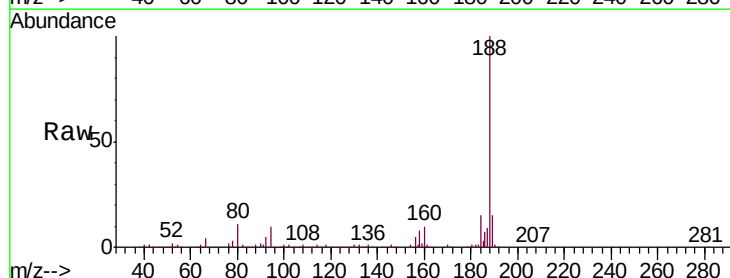
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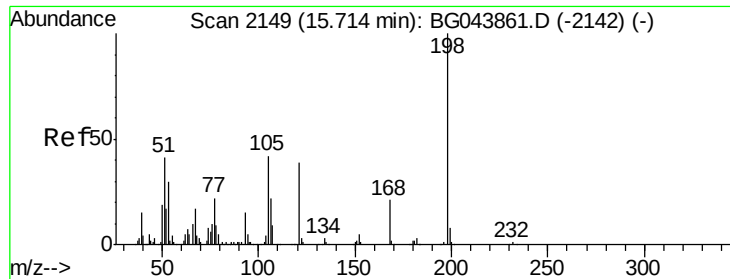
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.9	47.9#
89	1.6	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044182.D
 Acq: 24 Jan 2020 15:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.9	11.9
80	10.7	8.2	12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 4.757 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044182.D

Acq: 24 Jan 2020 15:09

Instrument :

BNA_G

ClientSampleId :

PB126320BL

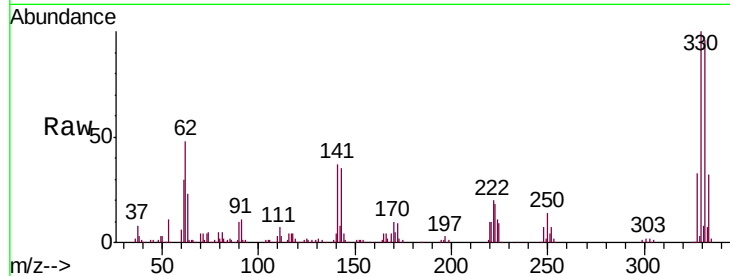
Tgt Ion:198 Resp: 972

Ion Ratio Lower Upper

198 100

51 101.0 22.5 62.5#

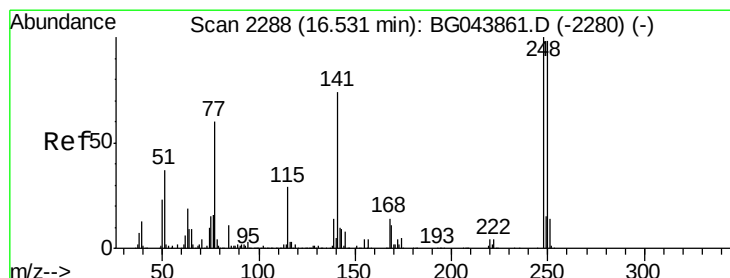
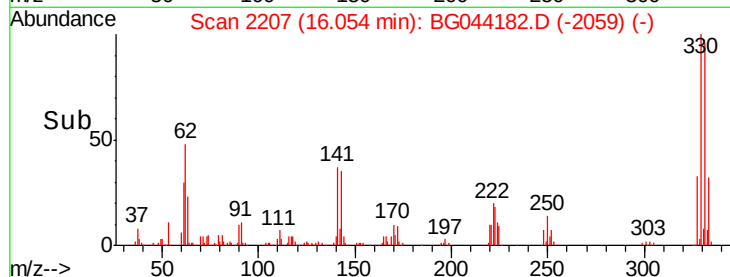
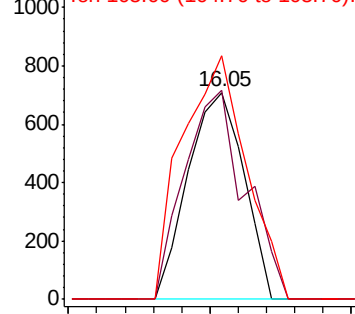
105 117.8 22.3 62.3#



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: 3.636 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.48 min

Lab File: BG044182.D

Acq: 24 Jan 2020 15:09

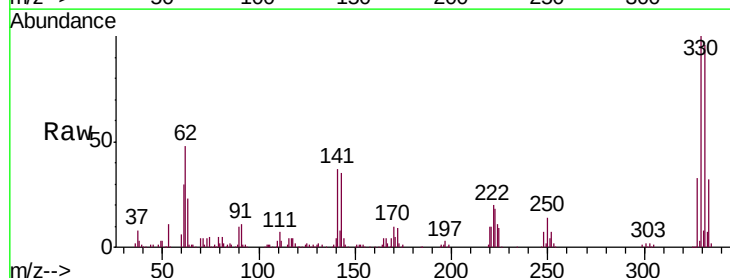
Tgt Ion:248 Resp: 19103

Ion Ratio Lower Upper

248 100

250 203.1 78.2 117.2#

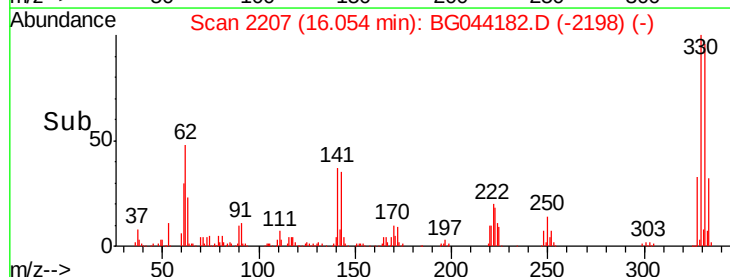
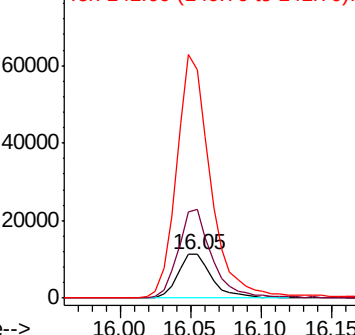
141 524.6 59.3 88.9#

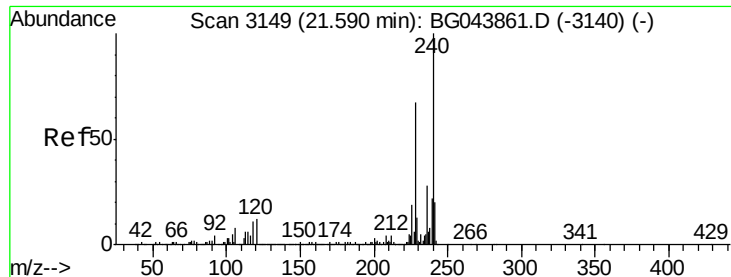


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

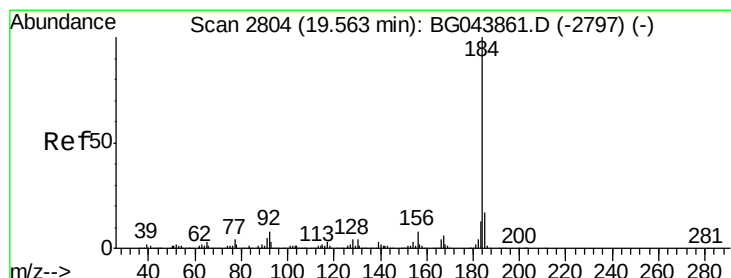
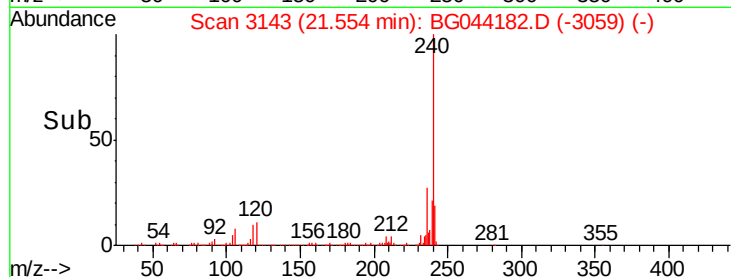
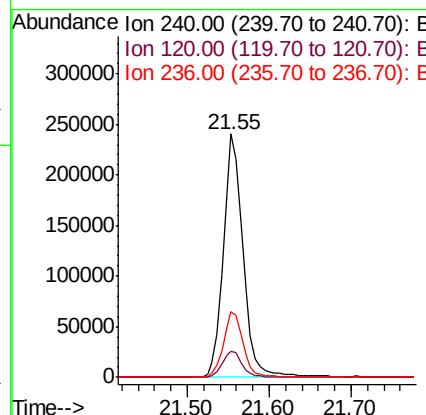
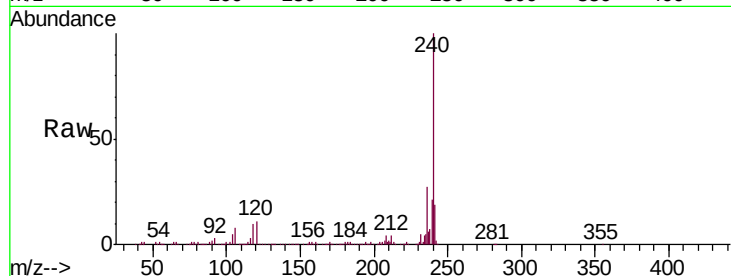




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.04 min
Lab File: BG044182.D
Acq: 24 Jan 2020 15:09

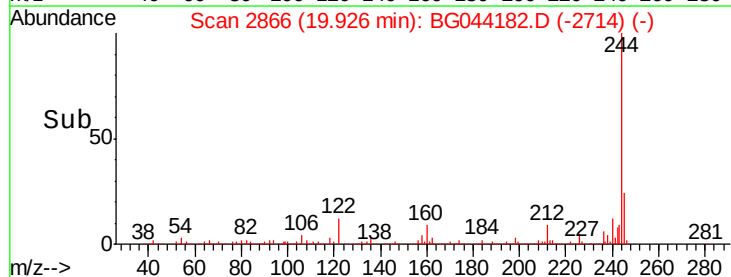
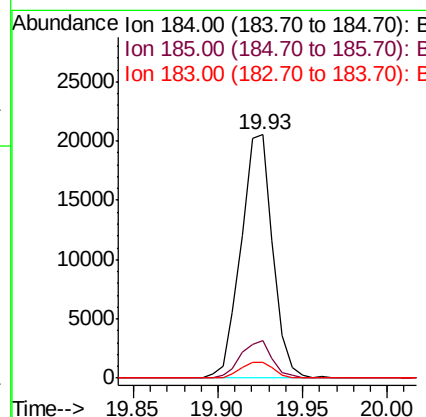
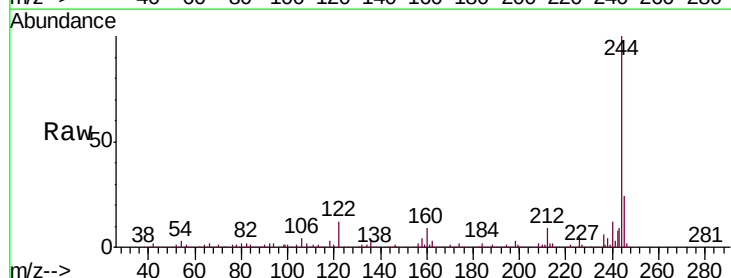
Instrument :
BNA_G
ClientSampleId :
PB126320BL

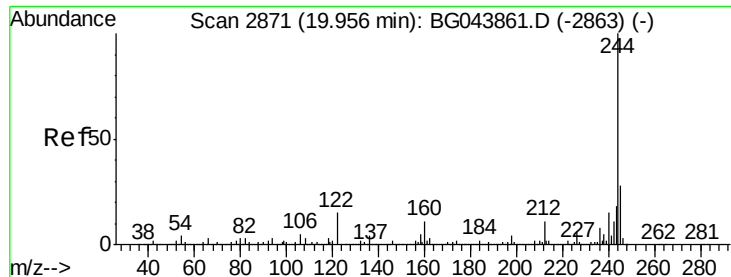
Tgt Ion:240 Resp: 405605
Ion Ratio Lower Upper
240 100
120 10.8 9.6 14.4
236 27.2 22.2 33.2



#77
Benzidine
Concen: 2.638 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.36 min
Lab File: BG044182.D
Acq: 24 Jan 2020 15:09

Tgt Ion:184 Resp: 26890
Ion Ratio Lower Upper
184 100
185 15.5 13.4 20.0
183 6.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 98.996 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044182.D

Acq: 24 Jan 2020 15:09

Instrument :

BNA_G

ClientSampleId :

PB126320BL

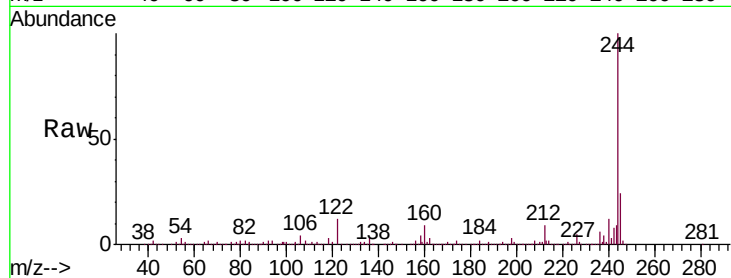
Tgt Ion:244 Resp: 1596690

Ion Ratio Lower Upper

244 100

212 8.7 8.6 13.0

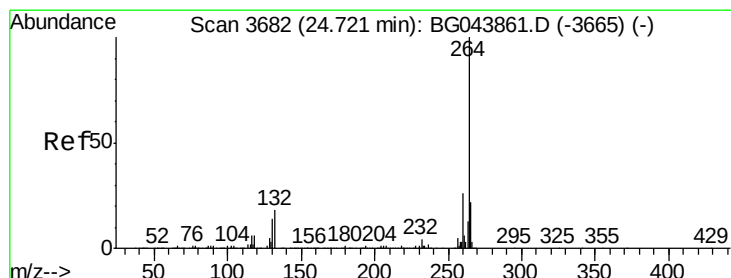
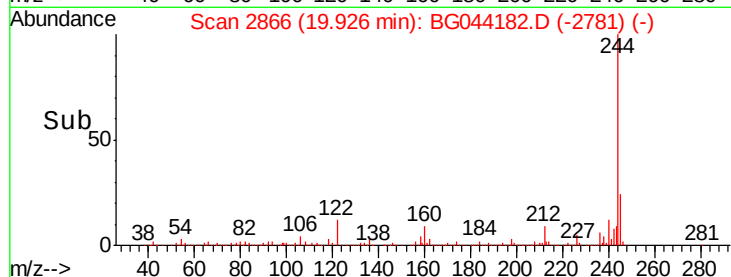
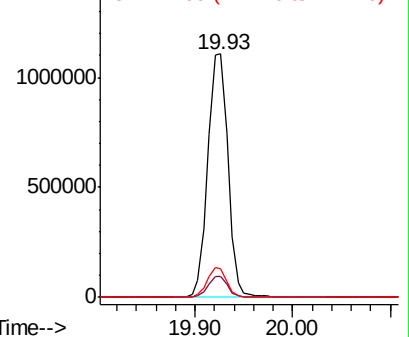
122 11.8 11.9 17.9#



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: BG044182.D

Acq: 24 Jan 2020 15:09

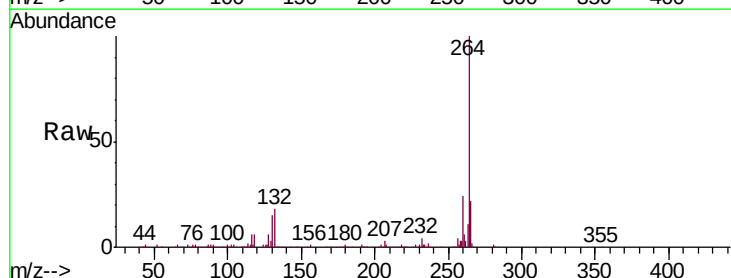
Tgt Ion:264 Resp: 449399

Ion Ratio Lower Upper

264 100

260 24.2 20.4 30.6

265 21.7 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

