

Data File : BG044142.D
Acq On : 21 Jan 2020 20:36
Operator : JU
Sample : PB126236BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126236BL

Quant Time: Jan 22 06:48:27 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

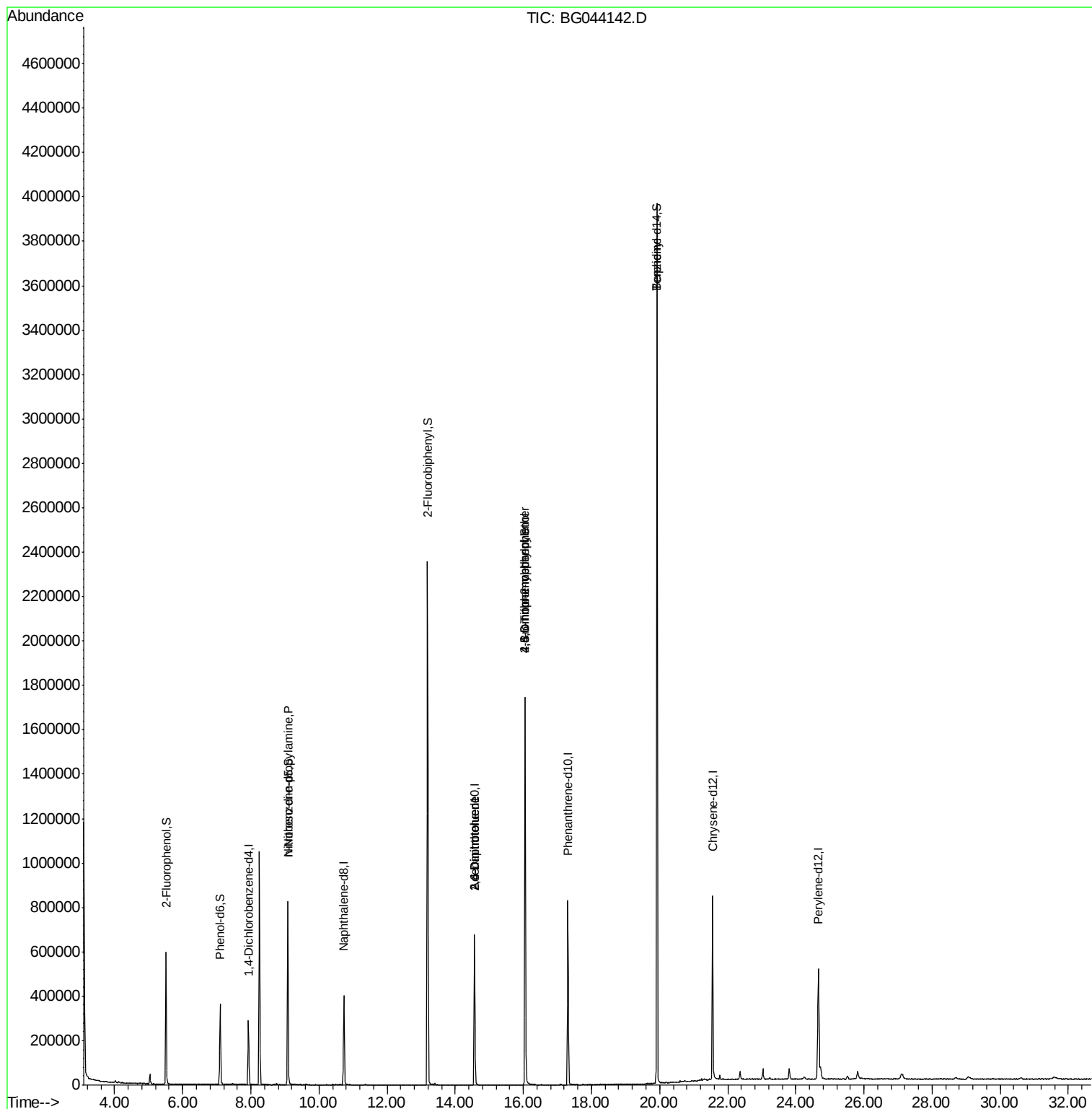
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	83887	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	374768	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	259638	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	531984	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	470613	20.00	ng	-0.03
87) Perylene-d12	24.66	264	516732	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	292047	63.92	ng	-0.03
7) Phenol-d6	7.10	99	242679	38.00	ng	-0.02
23) Nitrobenzene-d5	9.09	82	554103	79.09	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	349337	128.57	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1288607	89.92	ng	-0.03
79) Terphenyl-d14	19.92	244	1851558	98.92	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	72392	15.221	ng	# 78
51) 2,6-Dinitrotoluene	14.56	165	35028	8.406	ng	# 26
57) 2,4-Dinitrotoluene	14.56	165	35028	6.178	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1121	4.761	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	24587	4.109	ng	# 1
77) Benzidine	19.92	184	31679	2.678	ng	# 91

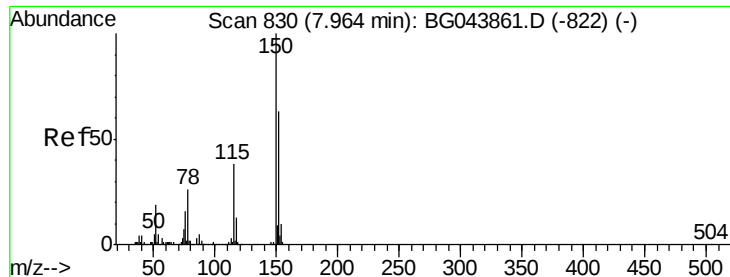
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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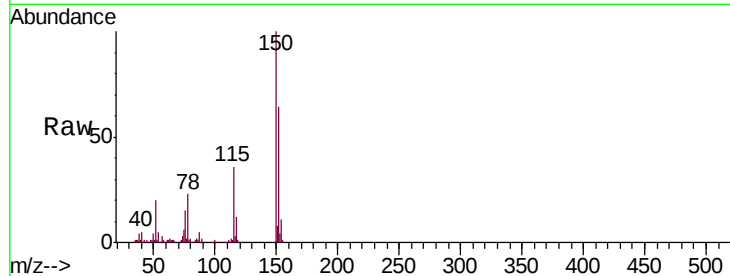


#1

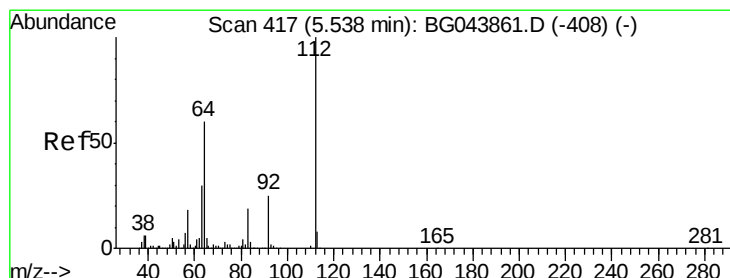
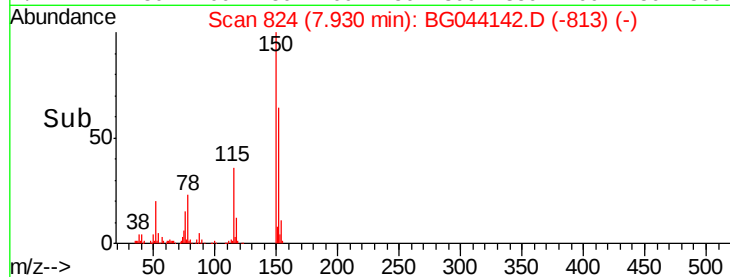
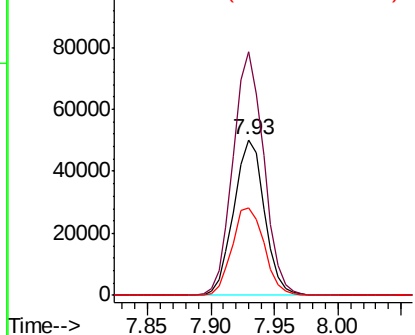
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044142.D
Acq: 21 Jan 2020 20:36

Instrument :
BNA_G
ClientSampleId :
PB126236BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	127.0	190.4
115	56.5	47.8	71.8



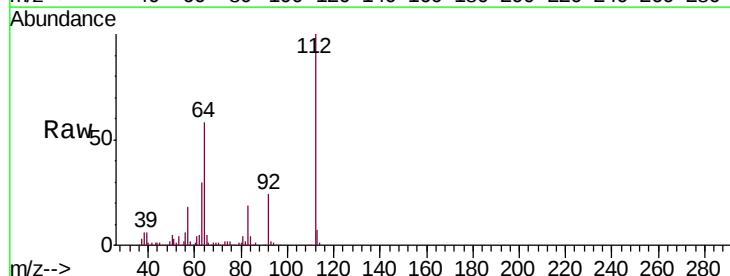
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



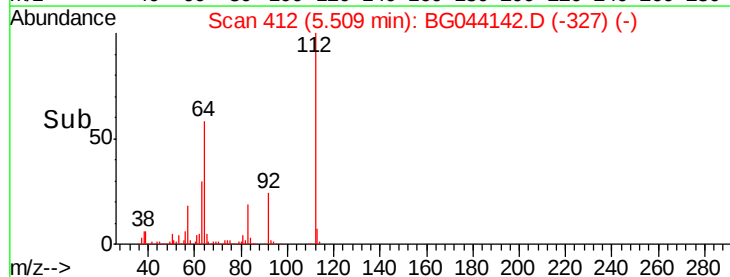
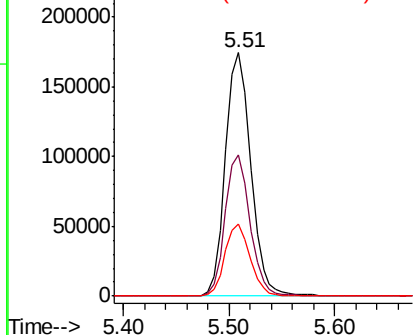
#5

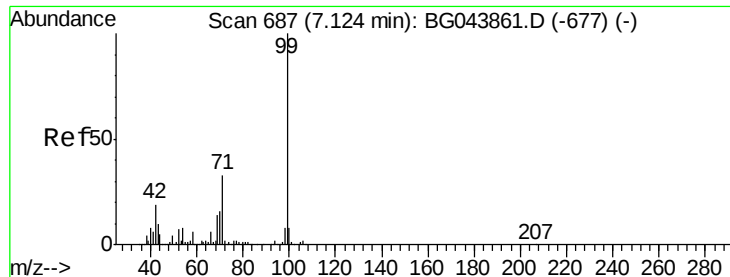
2-Fluorophenol
Concen: 63.923 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044142.D
Acq: 21 Jan 2020 20:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.8	71.6
63	29.6	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: 38.000 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044142.D

Acq: 21 Jan 2020 20:36

Instrument :

BNA_G

ClientSampleId :

PB126236BL

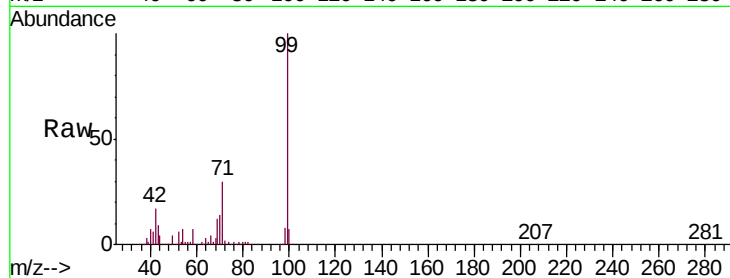
Tgt Ion: 99 Resp: 242679

Ion Ratio Lower Upper

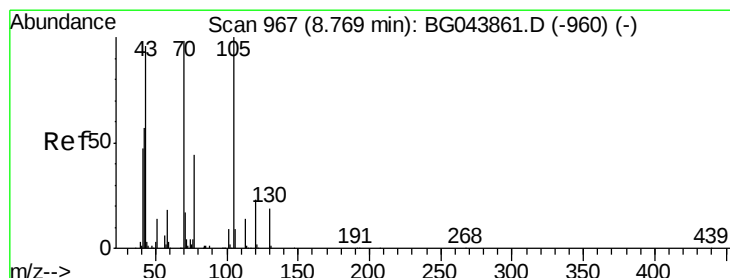
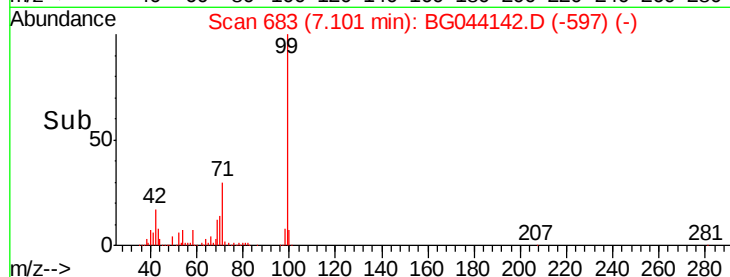
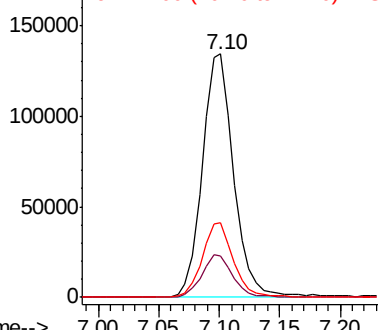
99 100

42 16.8 14.9 22.3

71 30.4 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: 15.221 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.31 min

Lab File: BG044142.D

Acq: 21 Jan 2020 20:36

Tgt Ion: 70 Resp: 72392

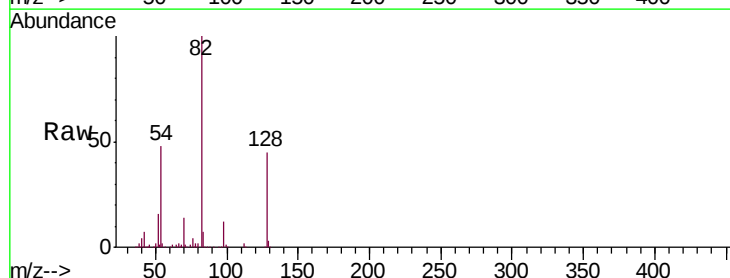
Ion Ratio Lower Upper

70 100

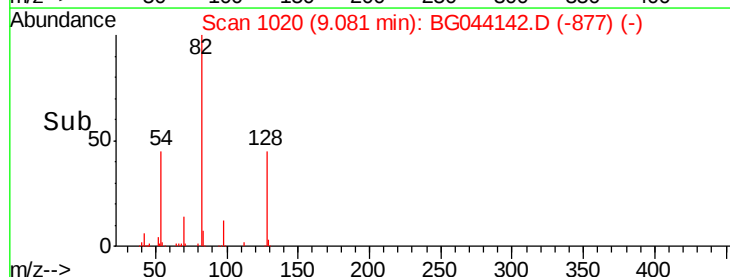
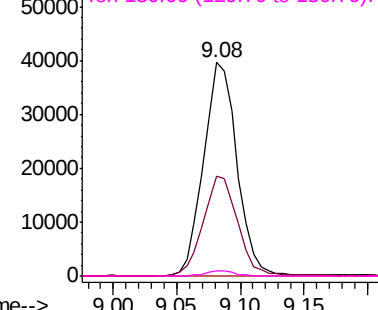
42 46.9 47.0 70.4#

101 0.0 7.2 10.8#

130 2.3 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

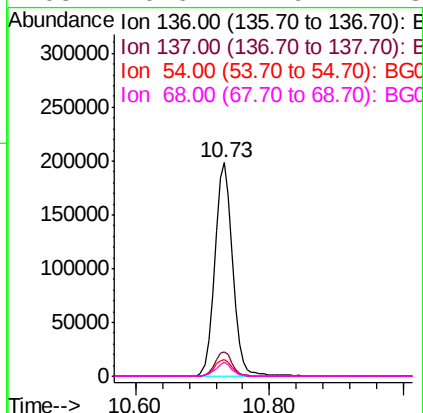
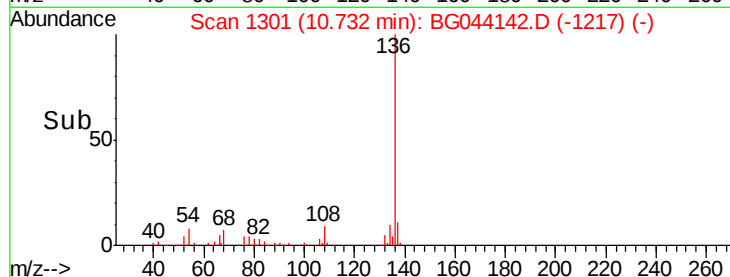
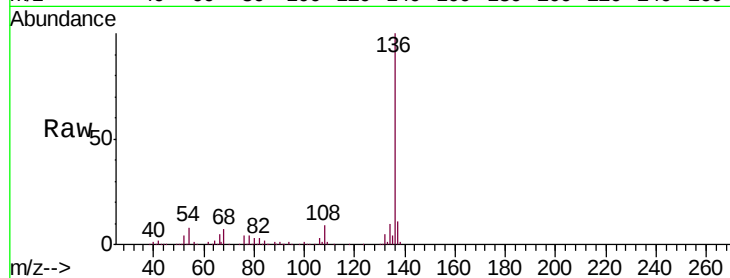




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044142.D
Acq: 21 Jan 2020 20:36

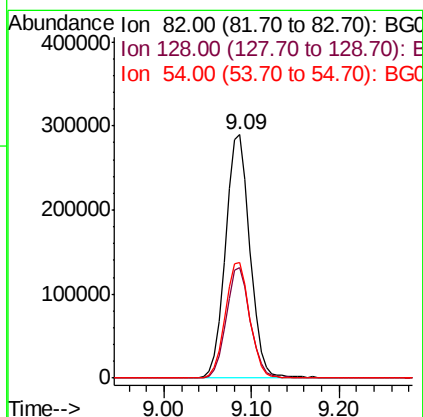
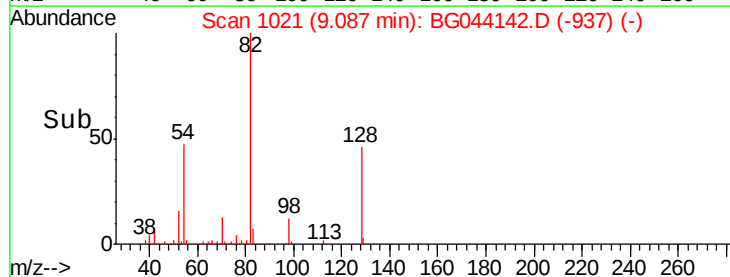
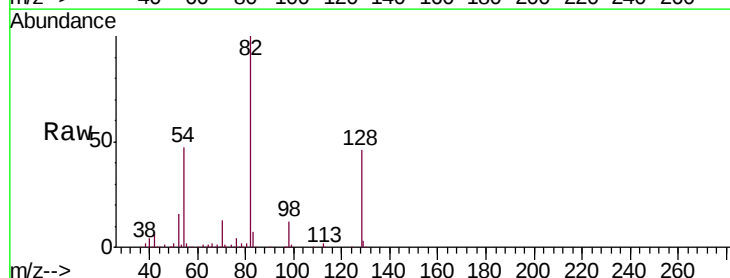
Instrument :
BNA_G
ClientSampleId :
PB126236BL

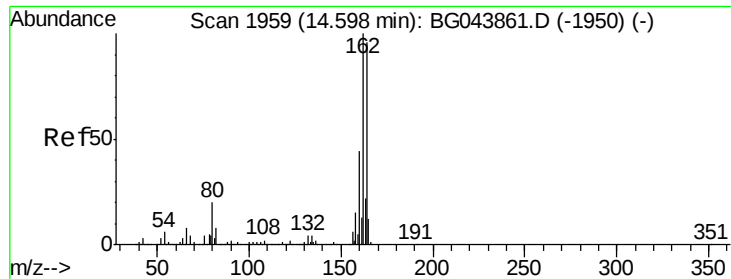
Tgt Ion:	136	Resp:	374768
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.7	7.0	10.4
68	6.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 79.095 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BG044142.D
Acq: 21 Jan 2020 20:36

Tgt Ion:	82	Resp:	554103
Ion	Ratio	Lower	Upper
82	100		
128	45.6	35.1	52.7
54	47.5	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: BG044142.D

Acq: 21 Jan 2020 20:36

Instrument :

BNA_G

ClientSampleId :

PB126236BL

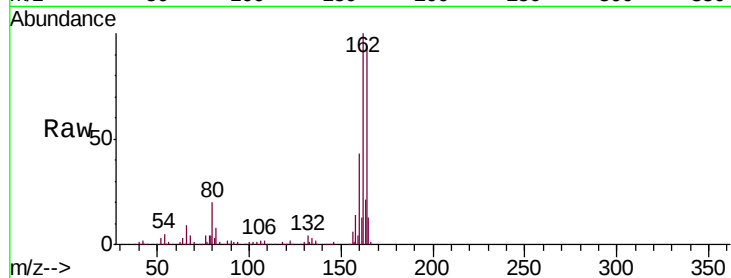
Tgt Ion:164 Resp: 259638

Ion Ratio Lower Upper

164 100

162 106.3 83.0 124.4

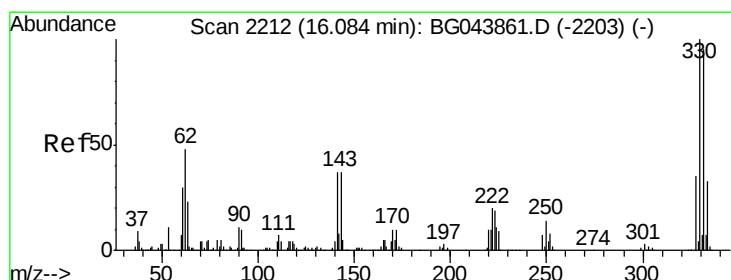
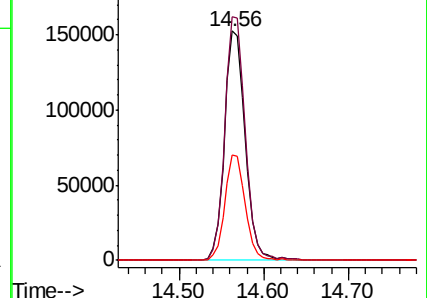
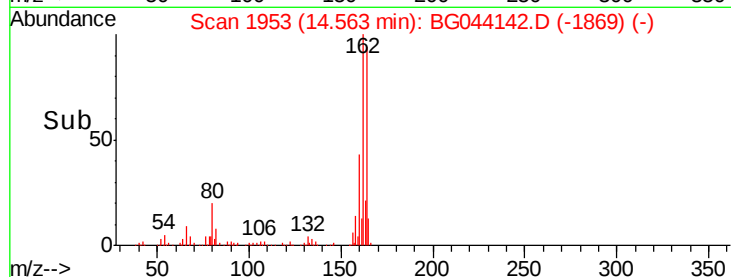
160 46.1 36.1 54.1



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: 128.572 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044142.D

Acq: 21 Jan 2020 20:36

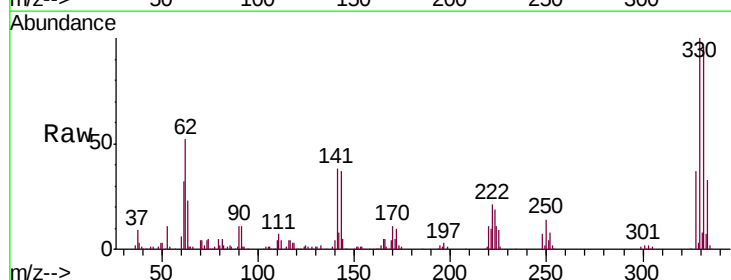
Tgt Ion:330 Resp: 349337

Ion Ratio Lower Upper

330 100

332 96.1 77.2 115.8

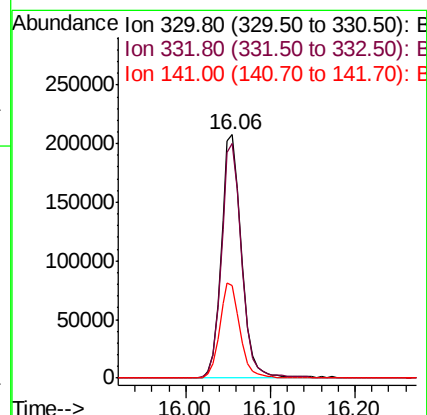
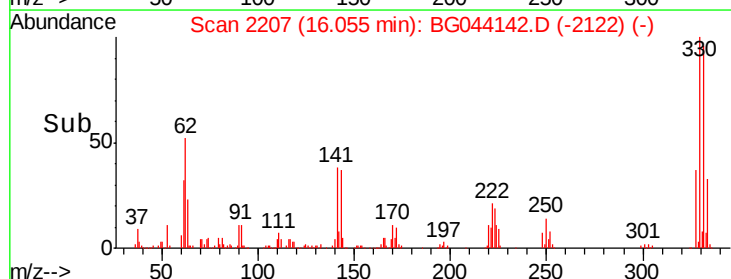
141 39.0 33.1 49.7

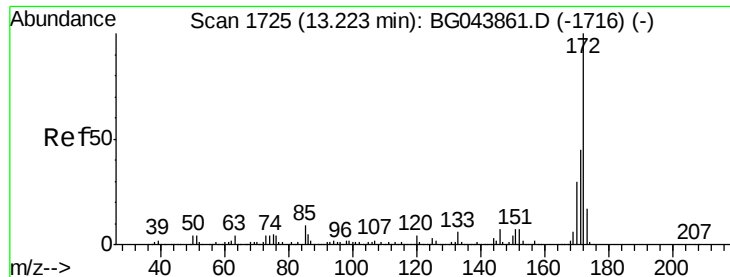


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

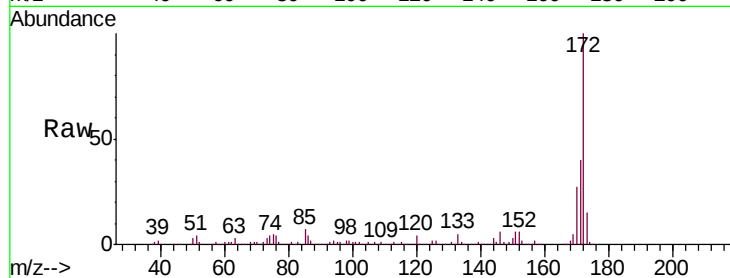




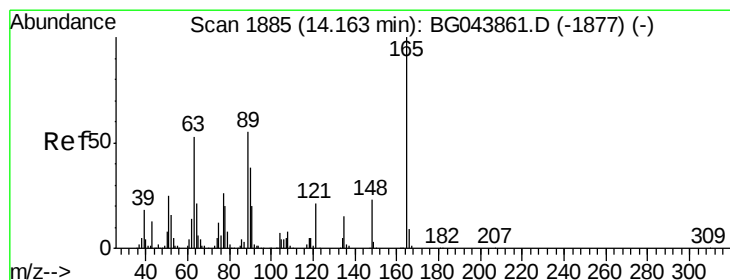
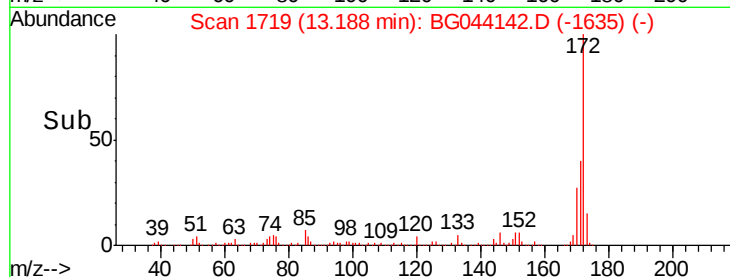
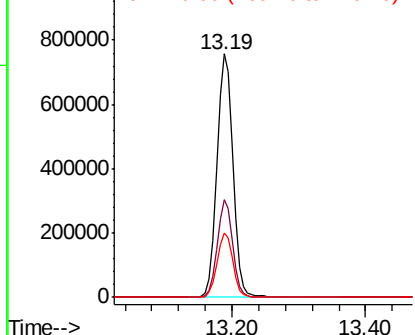
#45
 2-Fluorobiphenyl
 Concen: 89.920 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044142.D
 Acq: 21 Jan 2020 20:36

Instrument :
 BNA_G
 ClientSampleId :
 PB126236BL

Tgt Ion:172 Resp: 1288607
 Ion Ratio Lower Upper
 172 100
 171 40.0 35.8 53.8
 170 26.6 24.2 36.4

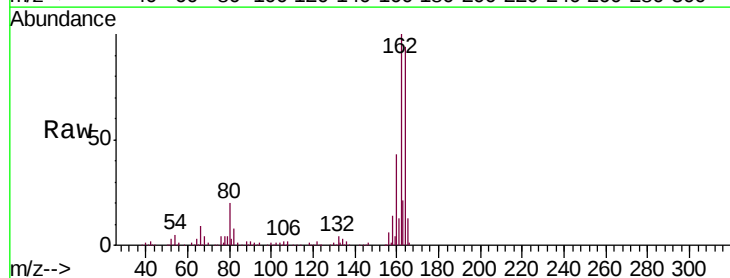


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

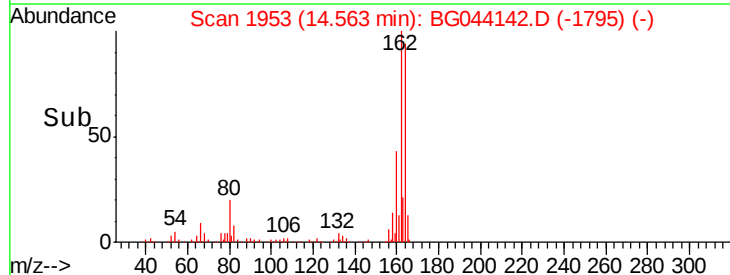
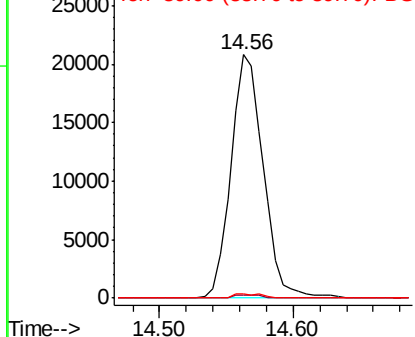


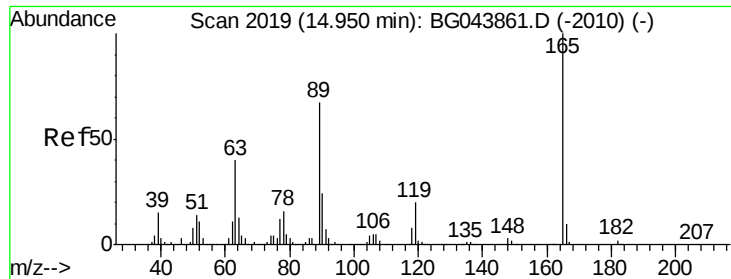
#51
 2,6-Dinitrotoluene
 Concen: 8.406 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.40 min
 Lab File: BG044142.D
 Acq: 21 Jan 2020 20:36

Tgt Ion:165 Resp: 35028
 Ion Ratio Lower Upper
 165 100
 63 1.2 43.1 64.7#
 89 1.6 43.8 65.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0

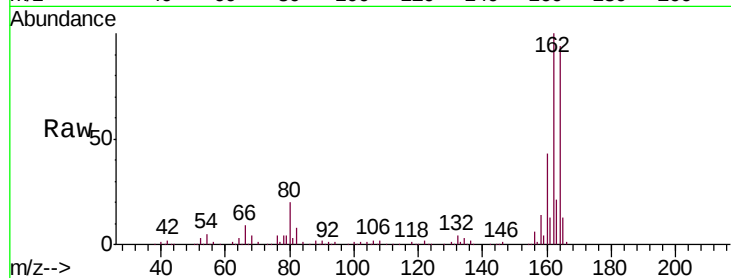




#57
 2,4-Dinitrotoluene
 Concen: 6.178 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044142.D
 Acq: 21 Jan 2020 20:36

Instrument :
 BNA_G
 ClientSampleId :
 PB126236BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	31.9	47.9#
89	1.6	53.8	80.6#
182	0.0	2.0	3.0#



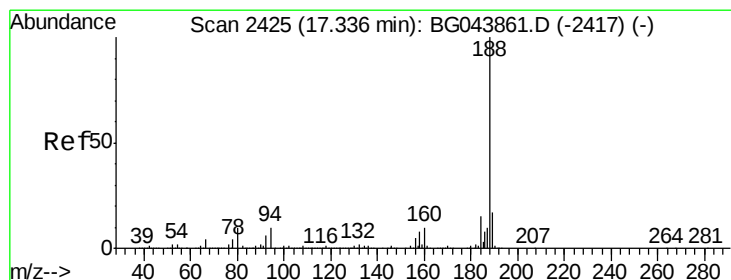
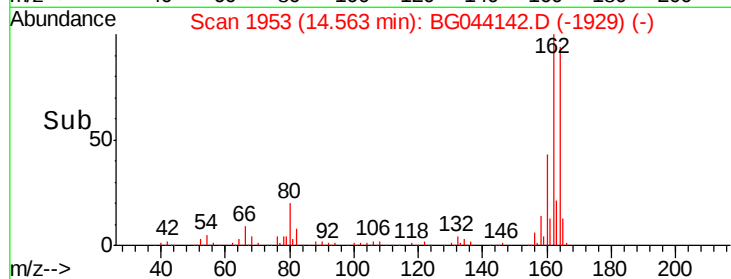
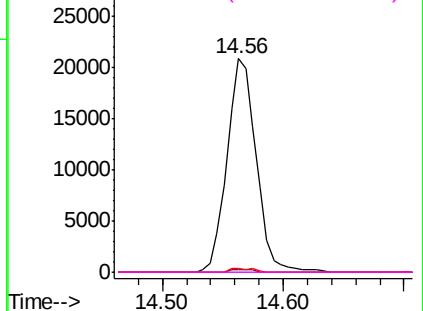
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

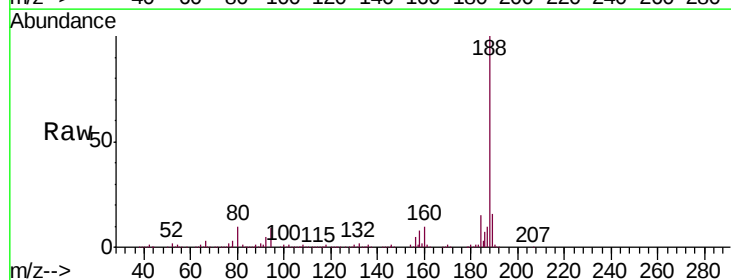
Ion 89.00 (88.70 to 89.70): BGC

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: BG044142.D
 Acq: 21 Jan 2020 20:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.9	11.9
80	10.2	8.2	12.4

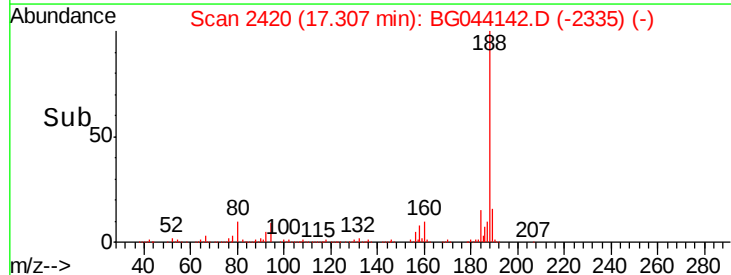
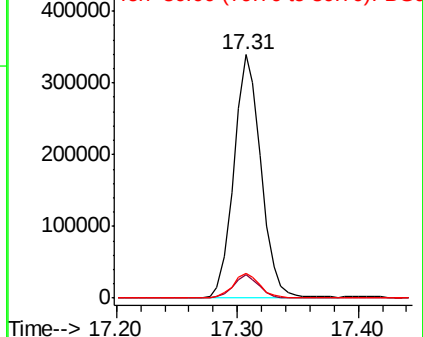


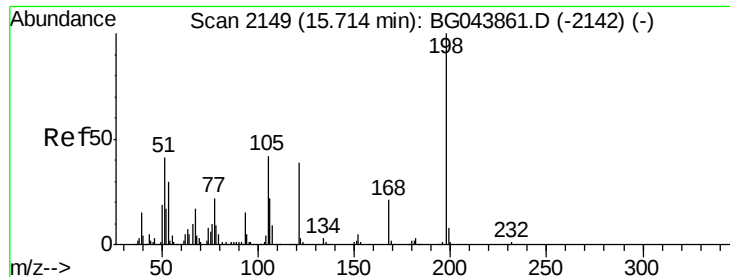
Abundance

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: 4.761 ng

RT: 16.06 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044142.D

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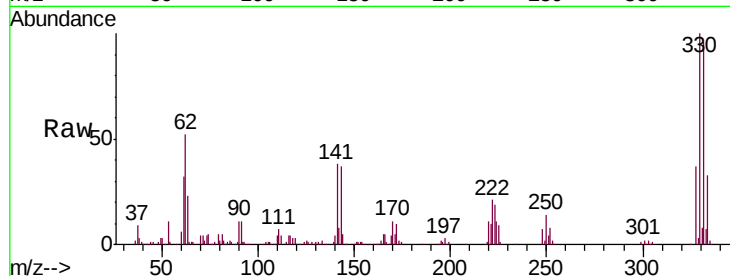
Tgt Ion:198 Resp: 1121

Ion Ratio Lower Upper

198 100

51 99.1 22.5 62.5#

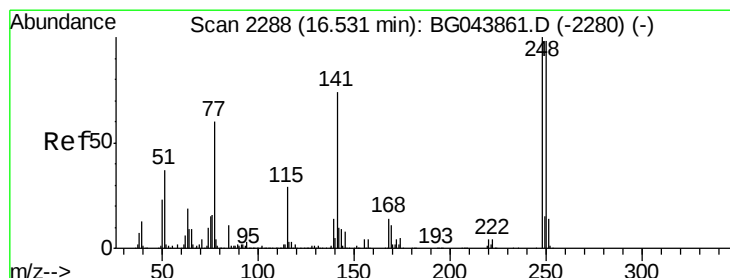
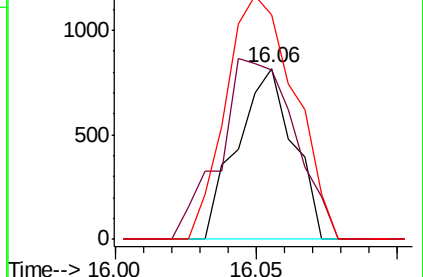
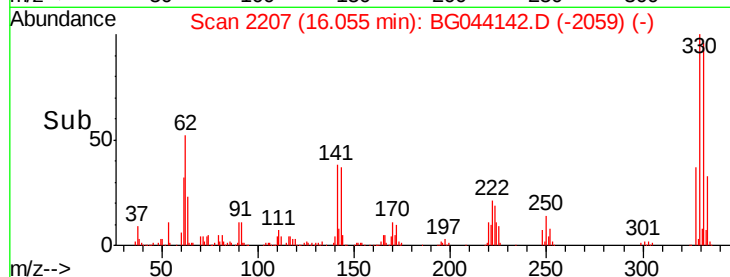
105 131.2 22.3 62.3#



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: 4.109 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.48 min

Lab File: BG044142.D

Acq: 21 Jan 2020 20:36

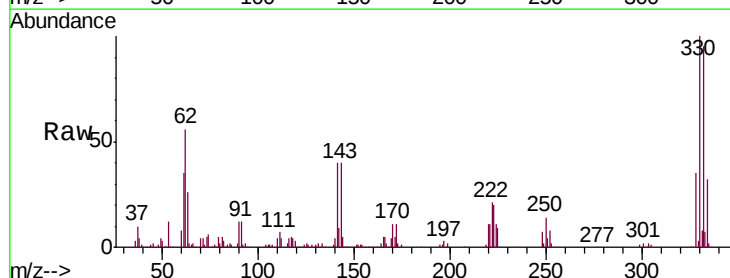
Tgt Ion:248 Resp: 24587

Ion Ratio Lower Upper

248 100

250 190.5 78.2 117.2#

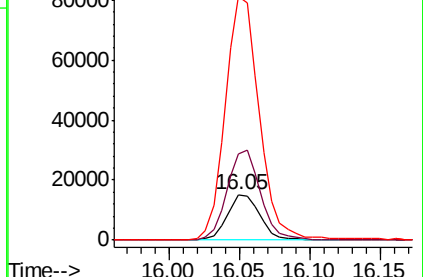
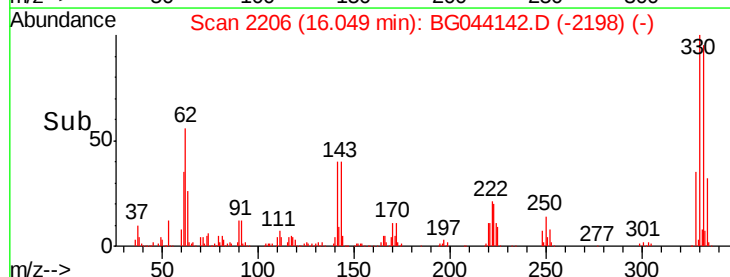
141 536.1 59.3 88.9#

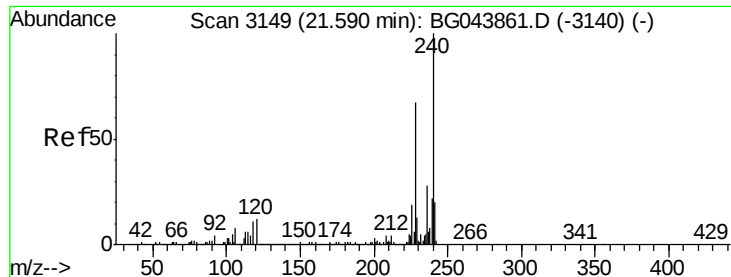


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

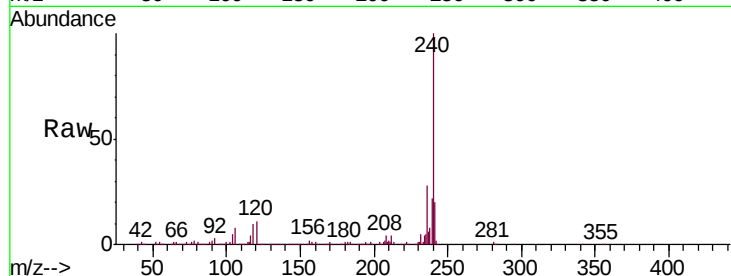




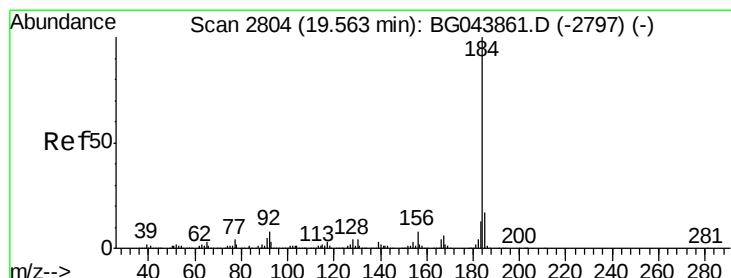
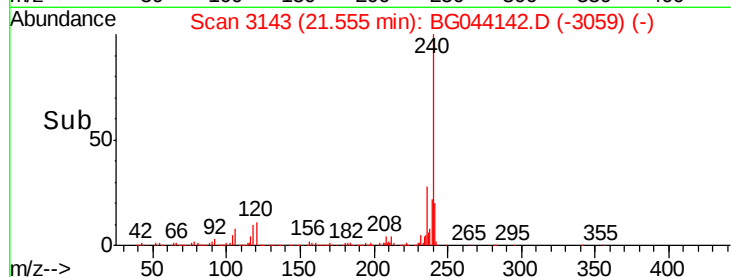
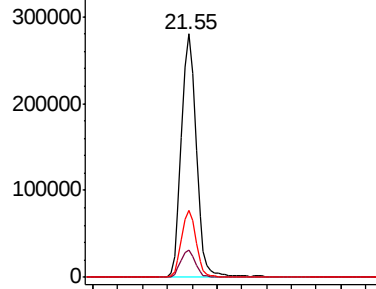
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.03 min
Lab File: BG044142.D
Acq: 21 Jan 2020 20:36

Instrument :
BNA_G
ClientSampleId :
PB126236BL

Tgt Ion:240 Resp: 470613
Ion Ratio Lower Upper
240 100
120 11.2 9.6 14.4
236 27.7 22.2 33.2

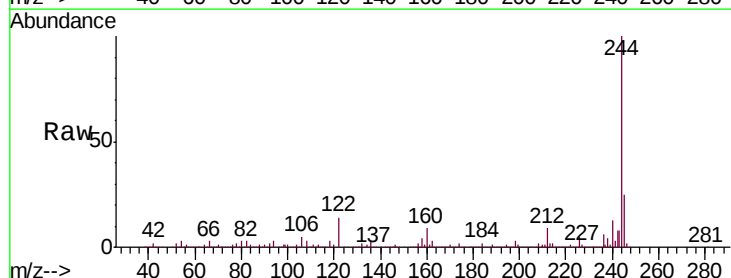


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

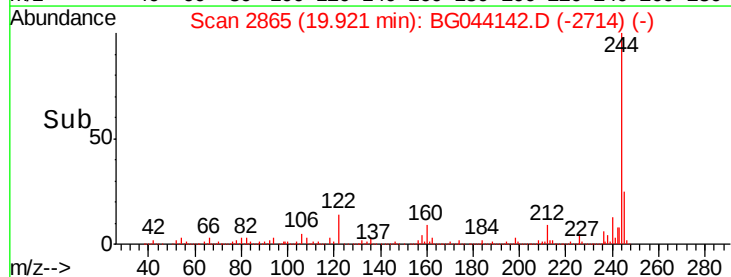
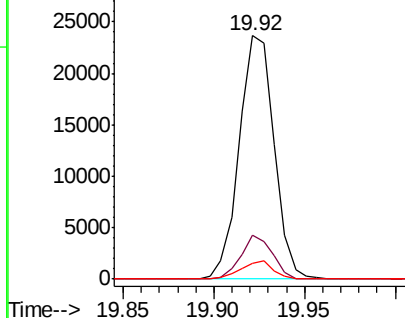


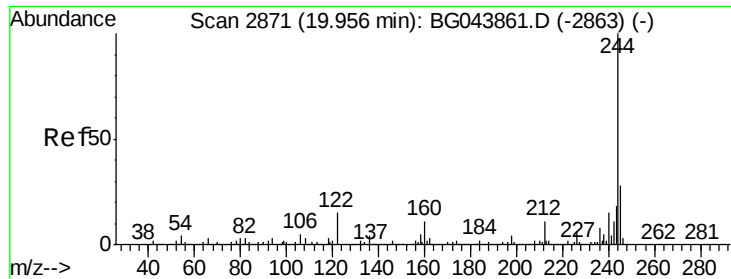
#77
Benzidine
Concen: 2.678 ng
RT: 19.92 min Scan# 2865
Delta R.T. 0.36 min
Lab File: BG044142.D
Acq: 21 Jan 2020 20:36

Tgt Ion:184 Resp: 31679
Ion Ratio Lower Upper
184 100
185 18.0 13.4 20.0
183 6.5 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: 98.918 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044142.D

Acq: 21 Jan 2020 20:36

Instrument :

BNA_G

ClientSampleId :

PB126236BL

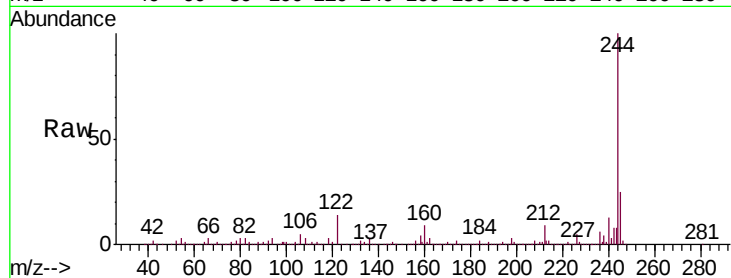
Tgt Ion:244 Resp: 1851558

Ion Ratio Lower Upper

244 100

212 9.3 8.6 13.0

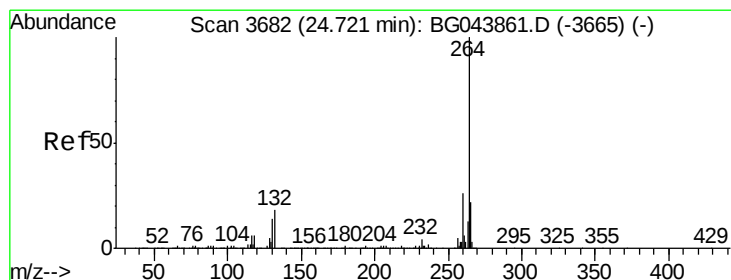
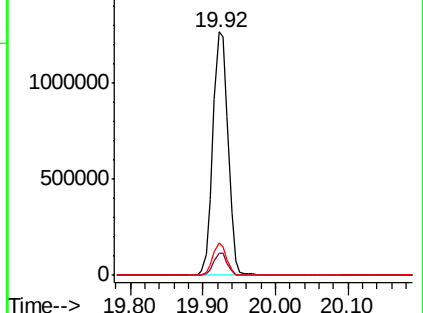
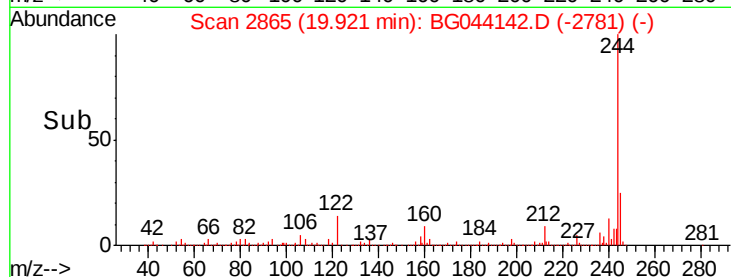
122 13.6 11.9 17.9



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: BG044142.D

Acq: 21 Jan 2020 20:36

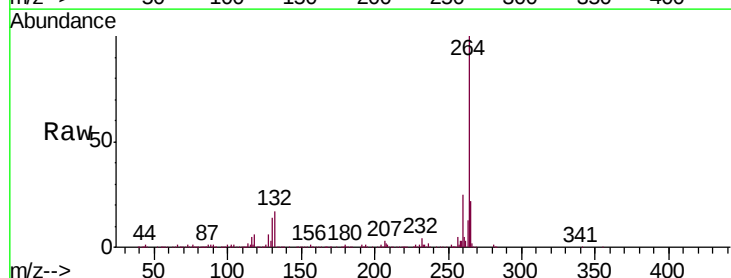
Tgt Ion:264 Resp: 516732

Ion Ratio Lower Upper

264 100

260 24.6 20.4 30.6

265 22.1 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

