

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102319\
 Data File : BG043310.D
 Acq On : 23 Oct 2019 16:06
 Operator : JU
 Sample : PB124203BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124203BL

Quant Time: Oct 24 06:50:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

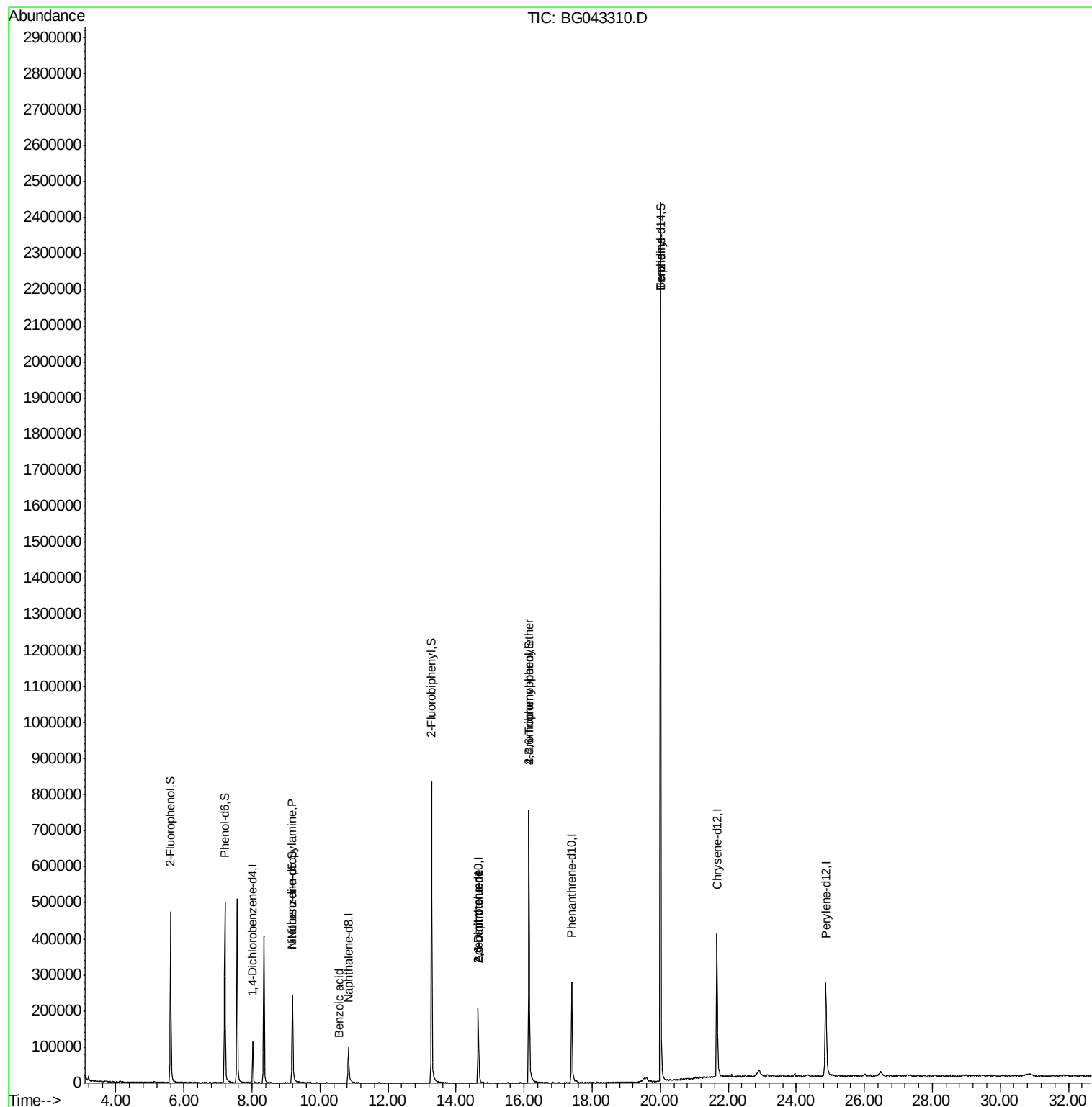
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	34994	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	109685	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	90482	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	229554	20.00	ng	0.00
76) Chrysene-d12	21.67	240	308762	20.00	ng	0.00
87) Perylene-d12	24.87	264	347203	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	222888	116.71	ng	0.00
7) Phenol-d6	7.20	99	317783	115.66	ng	0.00
23) Nitrobenzene-d5	9.19	82	182489	85.77	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	210066	122.00	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	529350	80.84	ng	0.00
79) Terphenyl-d14	20.01	244	1332173	80.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	25011	14.087	ng	# 70
32) Benzoic acid	10.57	122	56	9.091	ng	# 1
51) 2,6-Dinitrotoluene	14.65	165	12907	8.477	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	12906	5.931	ng	# 28
67) 4-Bromophenyl-phenylether	16.14	248	13776	4.459	ng	# 1
77) Benzidine	20.01	184	19275	3.102	ng	# 96

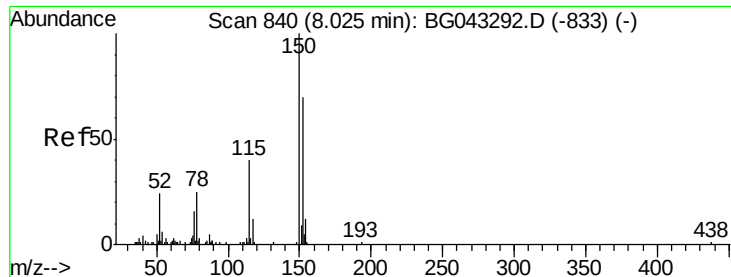
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 21 16:37:43 2019
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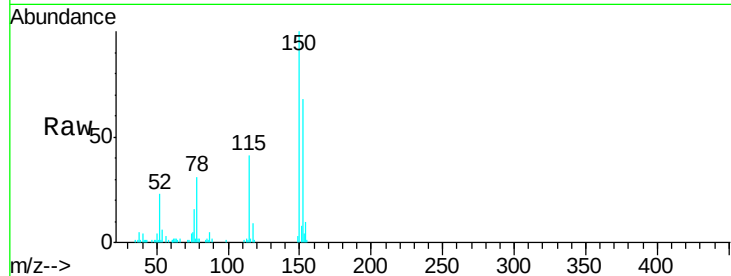


#1

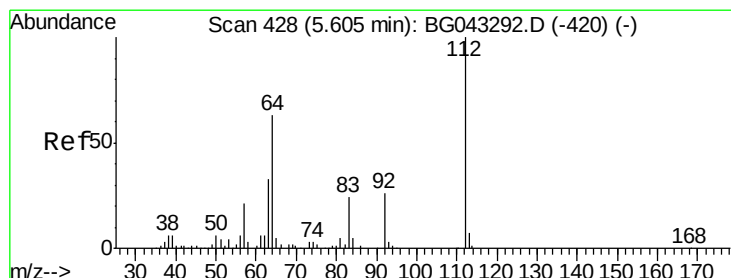
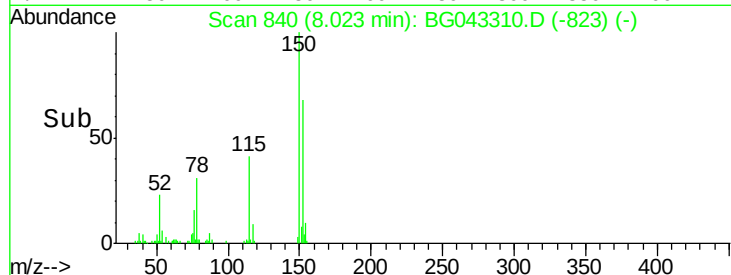
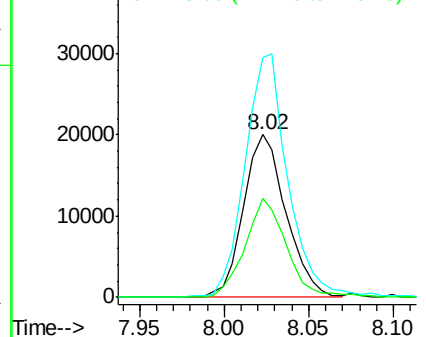
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043310.D
Acq: 23 Oct 2019 16:06

Instrument :
BNA_G
ClientSampleId :
PB124203BL

Tgt Ion:152 Resp: 34994
Ion Ratio Lower Upper
152 100
150 147.2 113.6 170.4
115 61.0 45.9 68.9



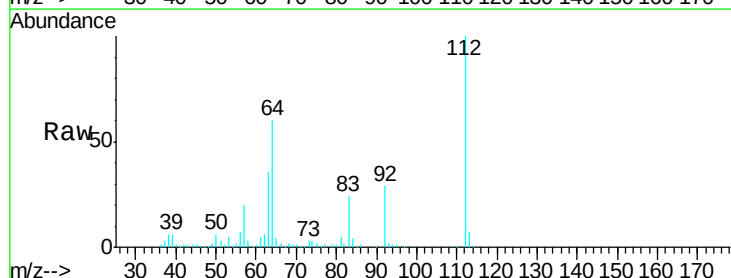
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



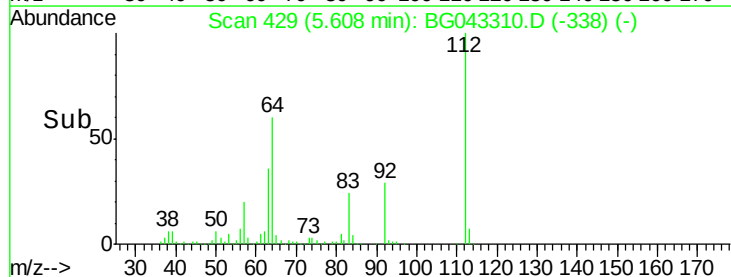
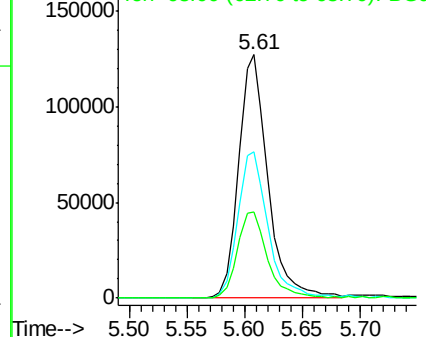
#5

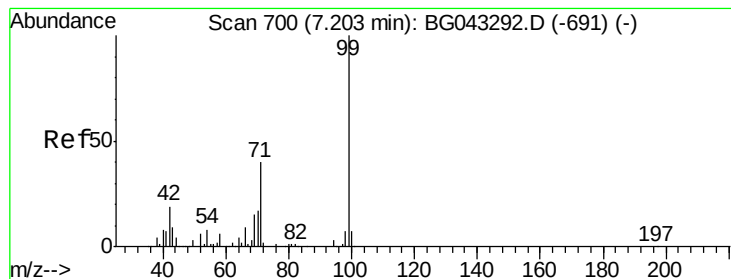
2-Fluorophenol
Concen: 116.714 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG043310.D
Acq: 23 Oct 2019 16:06

Tgt Ion:112 Resp: 222888
Ion Ratio Lower Upper
112 100
64 60.1 50.2 75.2
63 35.5 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 115.659 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG043310.D

Acq: 23 Oct 2019 16:06

Instrument :

BNA_G

ClientSampleId :

PB124203BL

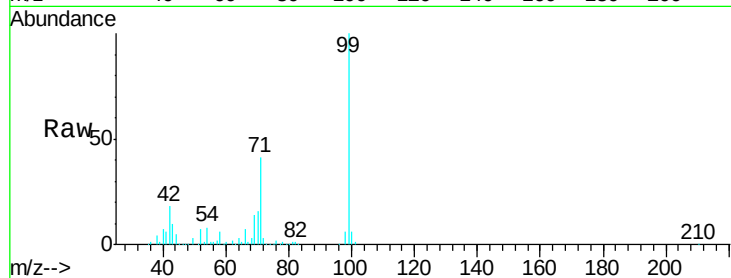
Tgt Ion: 99 Resp: 317783

Ion Ratio Lower Upper

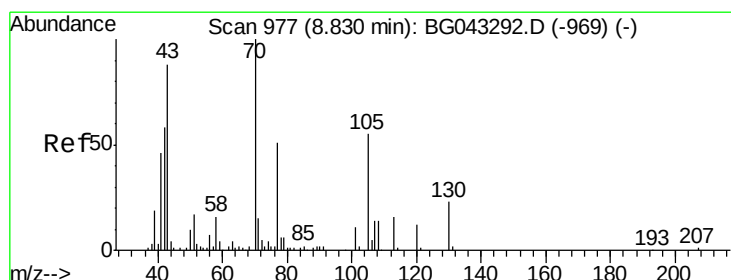
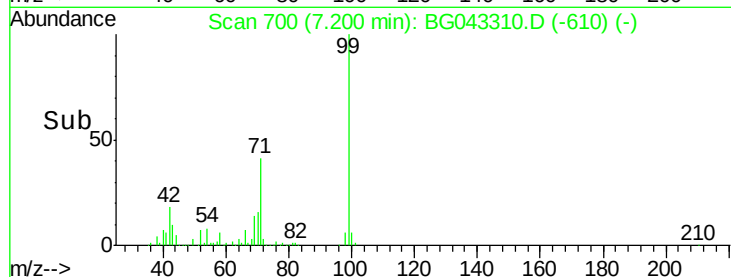
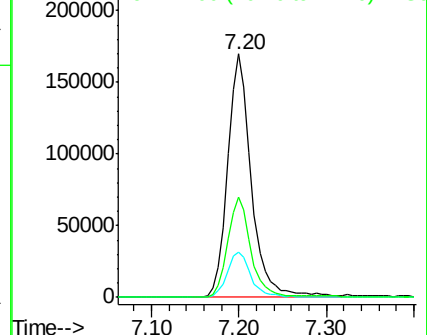
99 100

42 18.4 14.9 22.3

71 41.4 32.2 48.2



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: 14.087 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.36 min

Lab File: BG043310.D

Acq: 23 Oct 2019 16:06

Tgt Ion: 70 Resp: 25011

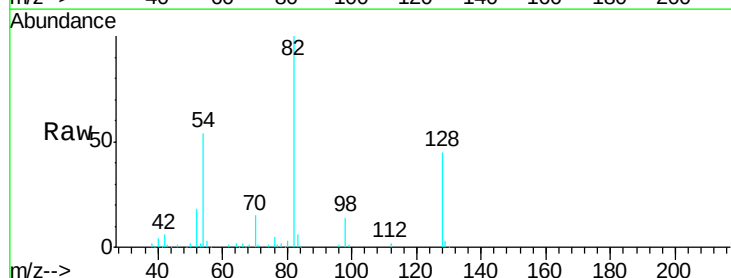
Ion Ratio Lower Upper

70 100

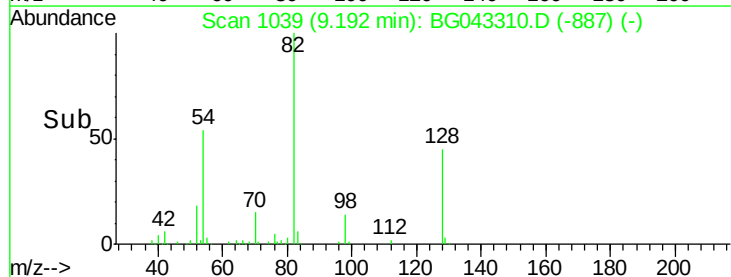
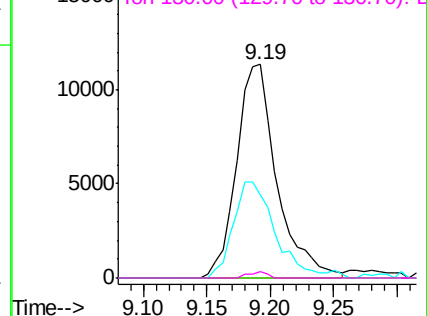
42 39.1 46.2 69.2#

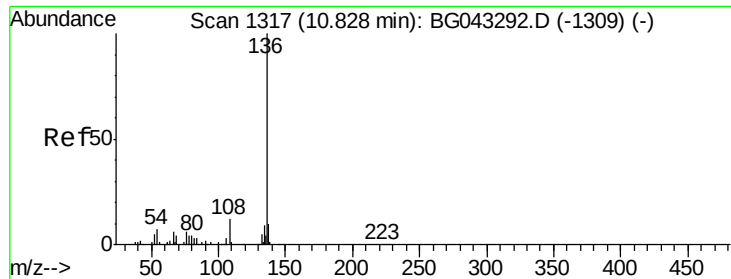
101 0.0 8.6 13.0#

130 3.1 18.6 27.8#



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

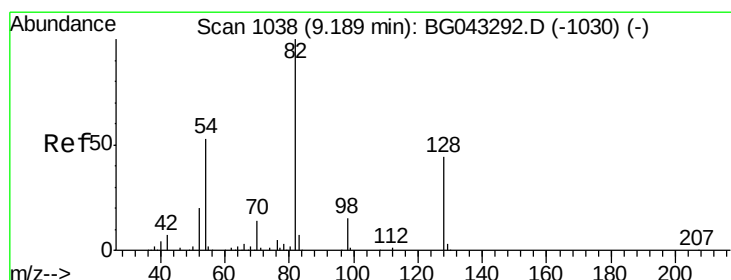
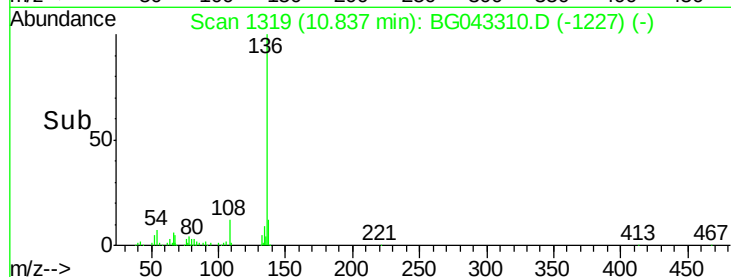
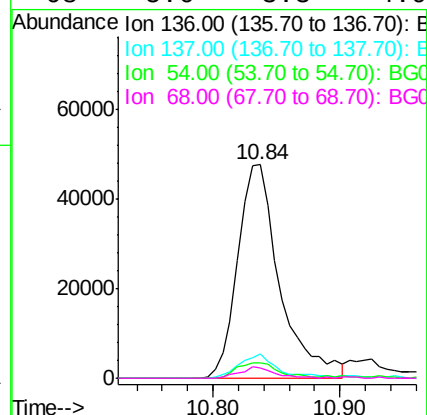
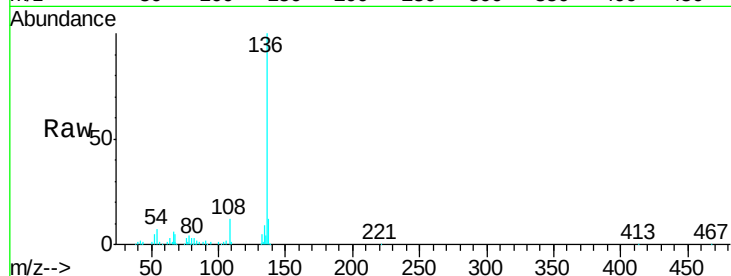




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BG043310.D
Acq: 23 Oct 2019 16:06

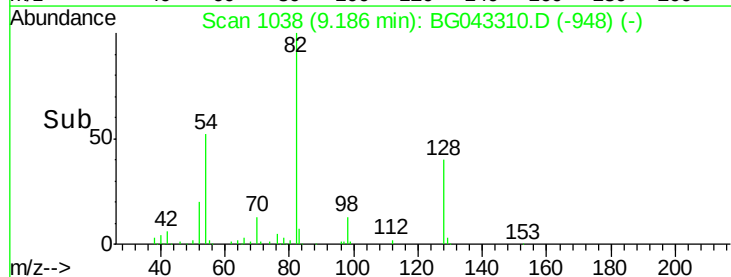
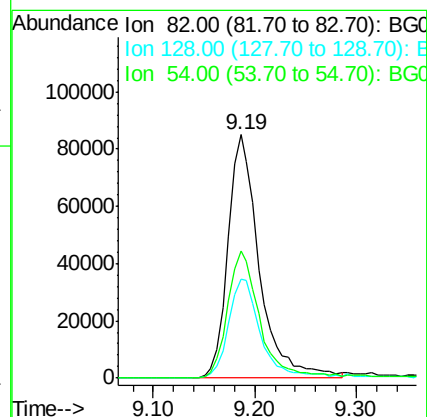
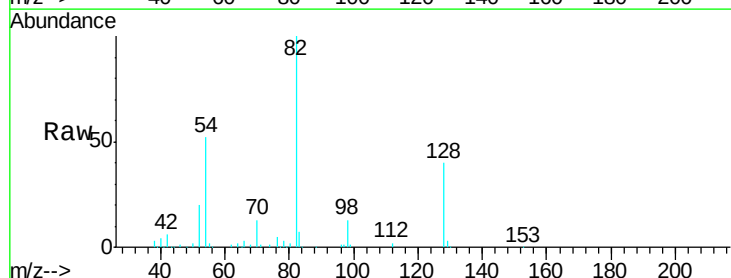
Instrument :
BNA_G
ClientSampleId :
PB124203BL

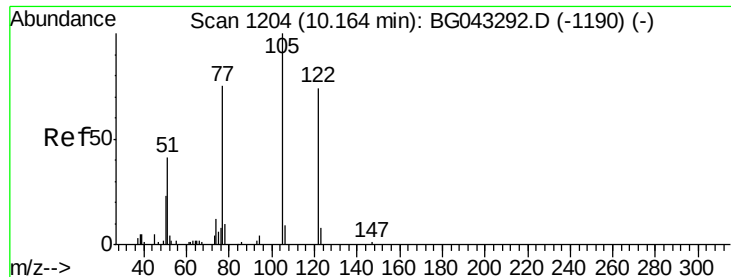
Tgt Ion:	136	Resp:	109685
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.2	12.2
54	7.2	5.4	8.2
68	5.6	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 85.774 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043310.D
Acq: 23 Oct 2019 16:06

Tgt Ion:	82	Resp:	182489
Ion	Ratio	Lower	Upper
82	100		
128	40.4	35.3	52.9
54	52.3	42.3	63.5





#32

Benzoic acid

Concen: 9.091 ng

RT: 10.57 min Scan# 1274

Delta R.T. 0.41 min

Lab File: BG043310.D

Acq: 23 Oct 2019 16:06

Instrument :

BNA_G

ClientSampleId :

PB124203BL

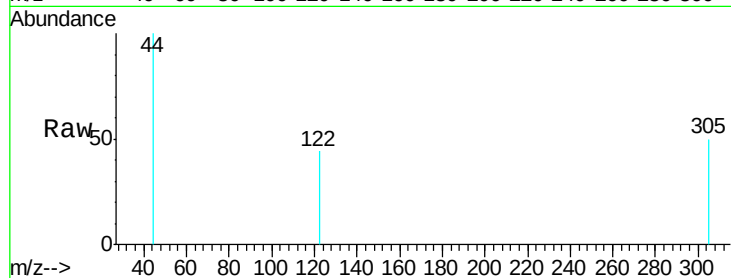
Tgt Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 112.4 152.4#

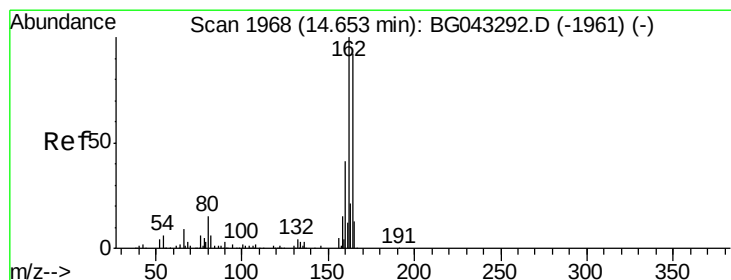
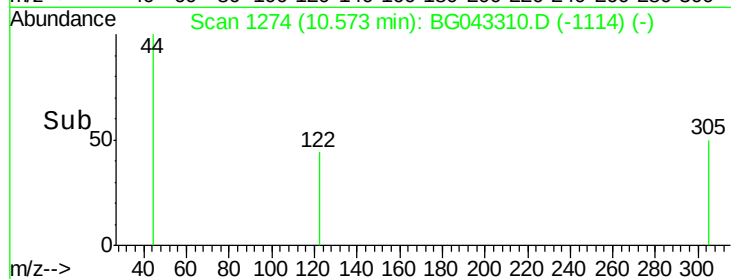
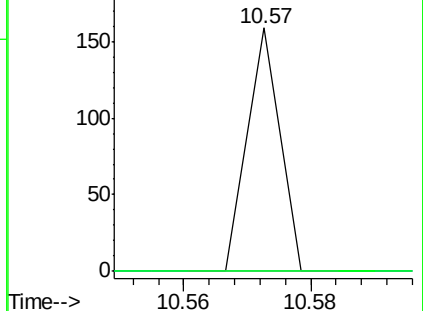
77 0.0 82.7 122.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043310.D

Acq: 23 Oct 2019 16:06

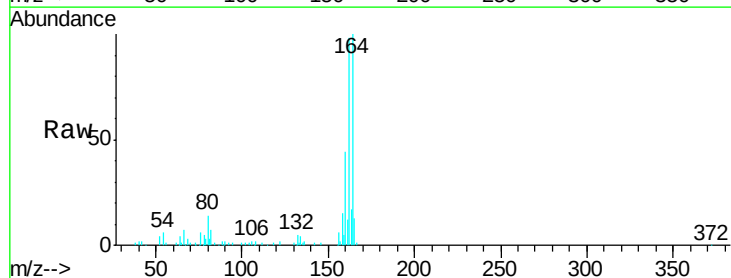
Tgt Ion:164 Resp: 90482

Ion Ratio Lower Upper

164 100

162 97.7 87.0 130.4

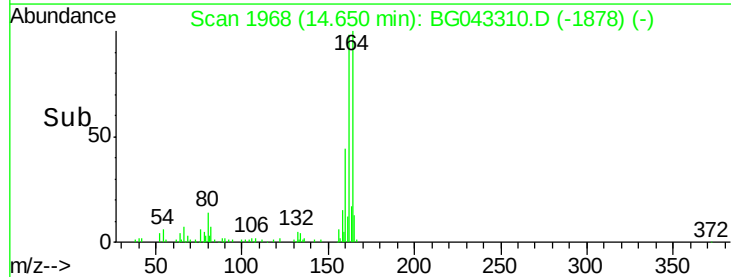
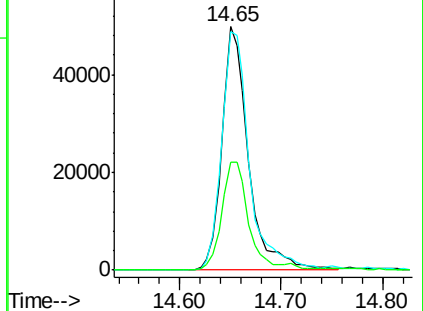
160 44.3 35.5 53.3

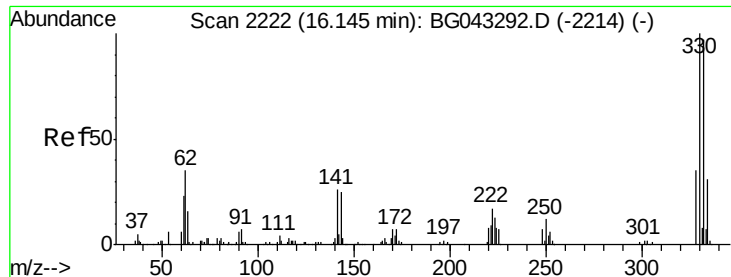


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

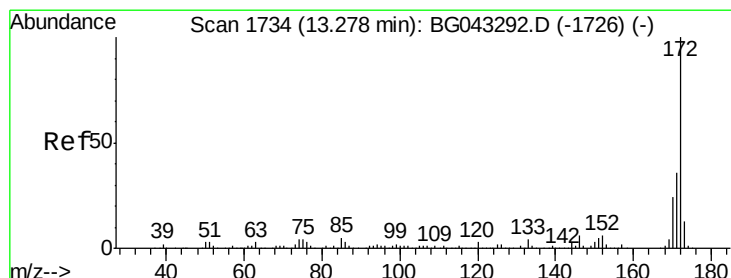
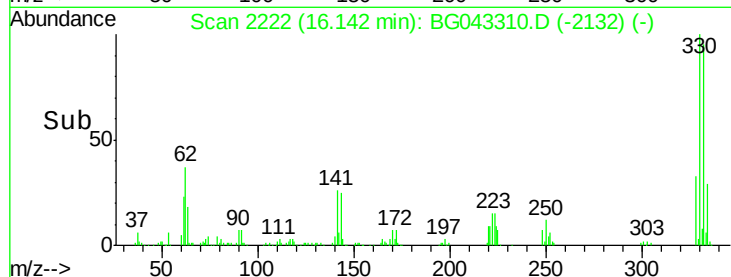
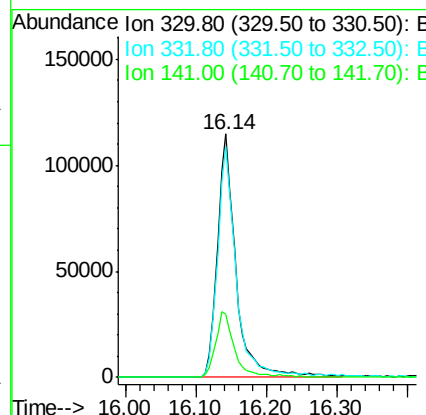
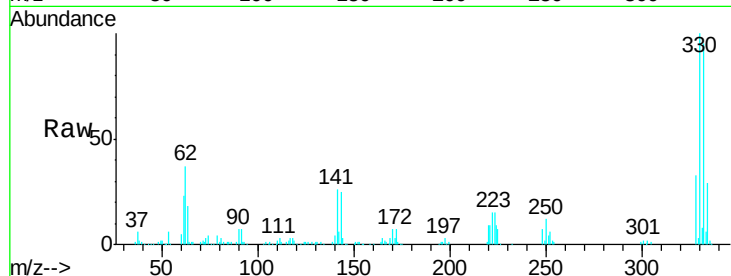




#42
 2,4,6-Tribromophenol
 Concen: 121.998 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043310.D
 Acq: 23 Oct 2019 16:06

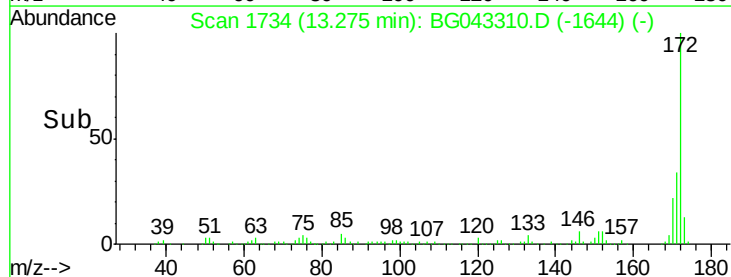
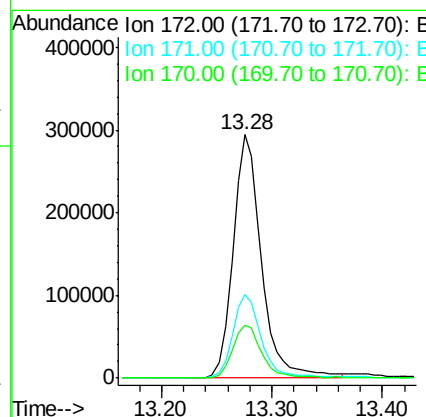
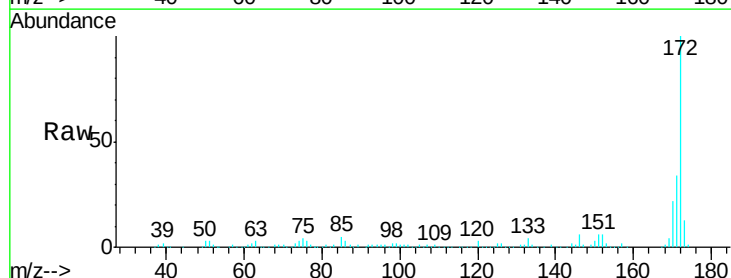
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 PB124203BL

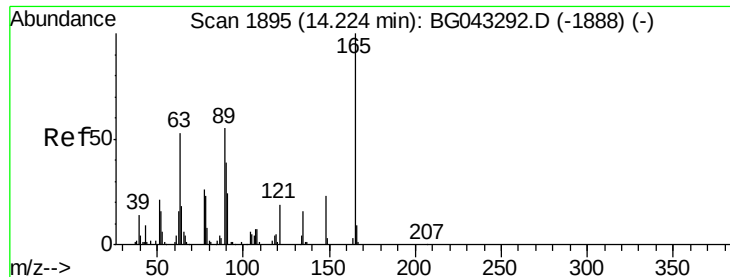
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.4	114.6
141	26.7	21.4	32.0



#45
 2-Fluorobiphenyl
 Concen: 80.840 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043310.D
 Acq: 23 Oct 2019 16:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.5	42.7
170	22.0	18.8	28.2

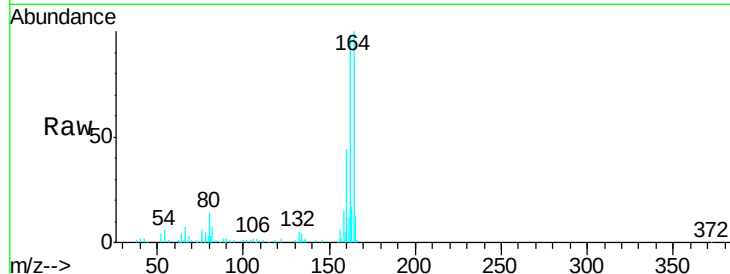




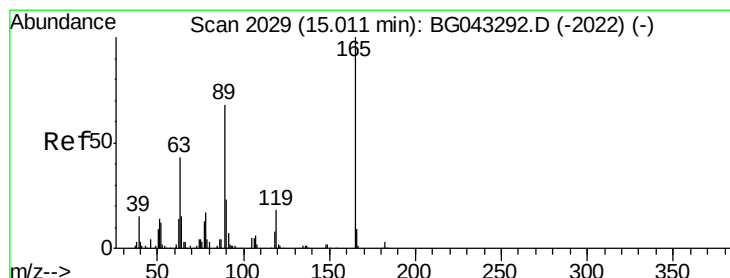
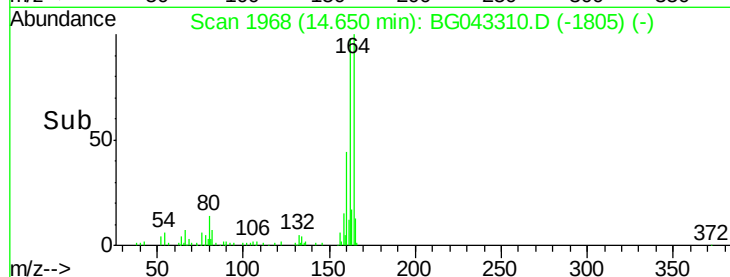
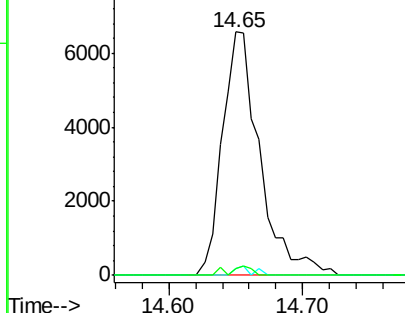
#51
 2,6-Dinitrotoluene
 Concen: 8.477 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.43 min
 Lab File: BG043310.D
 Acq: 23 Oct 2019 16:06

Instrument :
 BNA_G
 ClientSampleId :
 PB124203BL

Tgt Ion:165 Resp: 12907
 Ion Ratio Lower Upper
 165 100
 63 2.7 47.1 70.7#
 89 2.7 43.7 65.5#

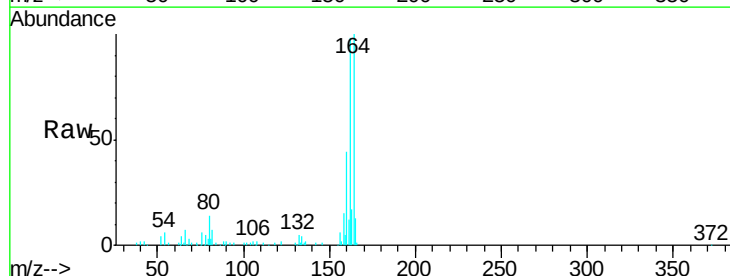


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

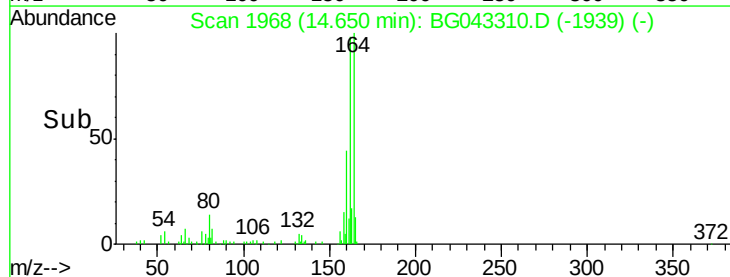
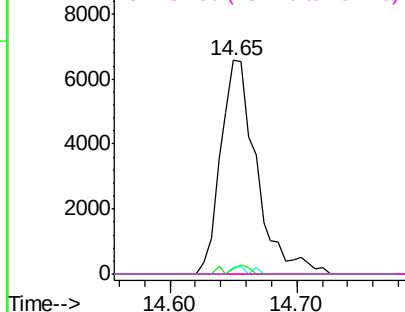


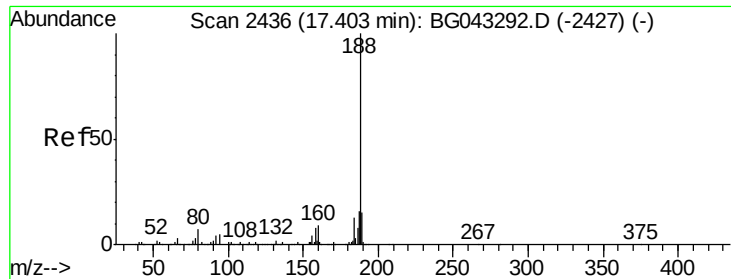
#57
 2,4-Dinitrotoluene
 Concen: 5.931 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043310.D
 Acq: 23 Oct 2019 16:06

Tgt Ion:165 Resp: 12906
 Ion Ratio Lower Upper
 165 100
 63 2.7 35.0 52.6#
 89 2.7 54.1 81.1#
 182 0.0 2.2 3.2#



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

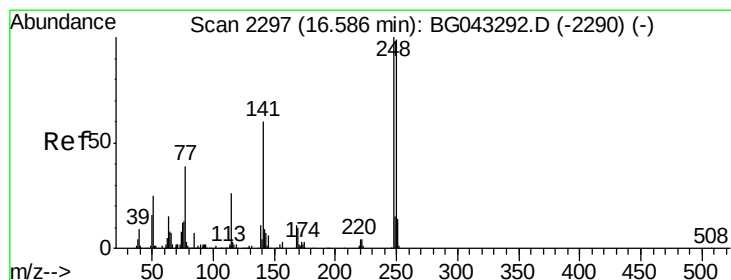
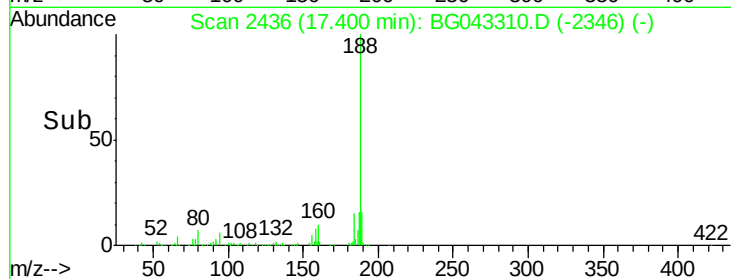
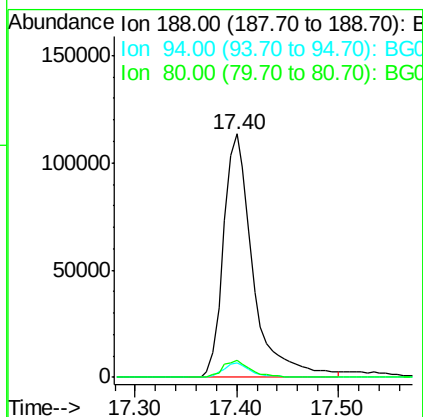
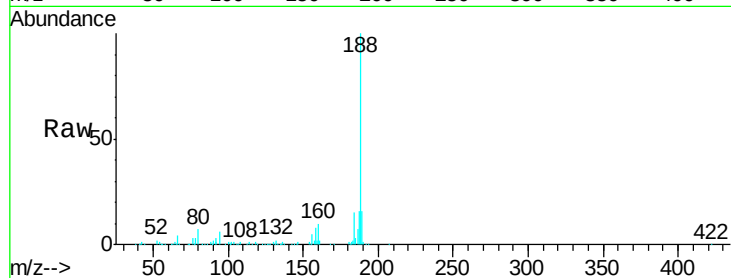




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BG043310.D
 Acq: 23 Oct 2019 16:06

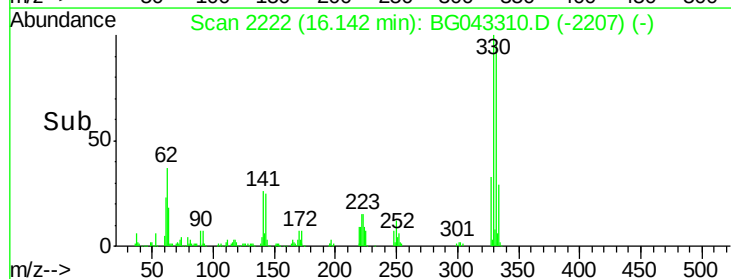
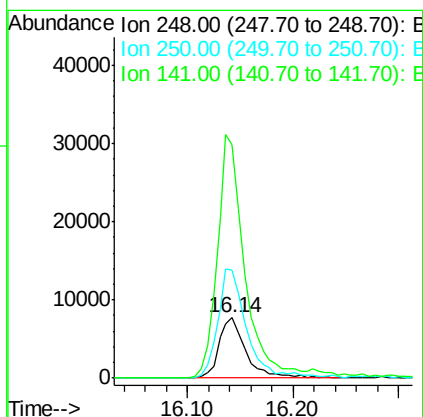
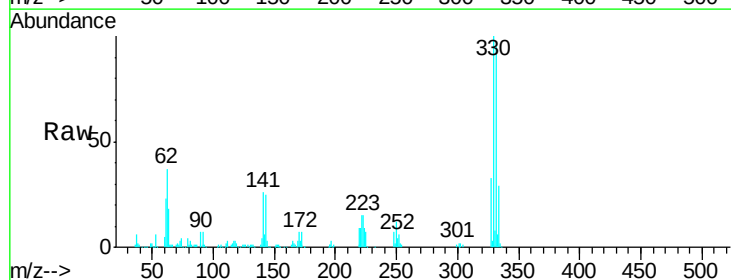
Instrument :
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 PB124203BL

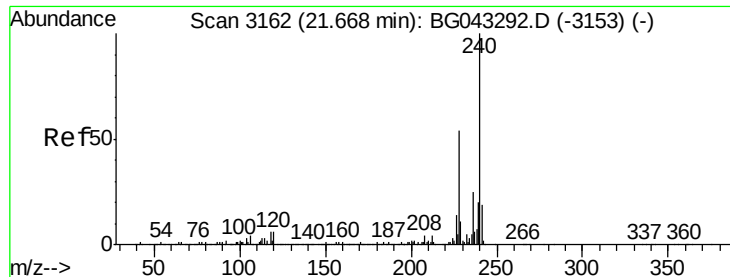
Tgt Ion:188 Resp: 229554
 Ion Ratio Lower Upper
 188 100
 94 6.0 4.2 6.2
 80 7.0 5.2 7.8



#67
 4-Bromophenyl-phenylether
 Concen: 4.459 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG043310.D
 Acq: 23 Oct 2019 16:06

Tgt Ion:248 Resp: 13776
 Ion Ratio Lower Upper
 248 100
 250 178.0 79.3 118.9#
 141 386.0 47.9 71.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG043310.D

Acq: 23 Oct 2019 16:06

Instrument :

BNA_G

ClientSampleId :

PB124203BL

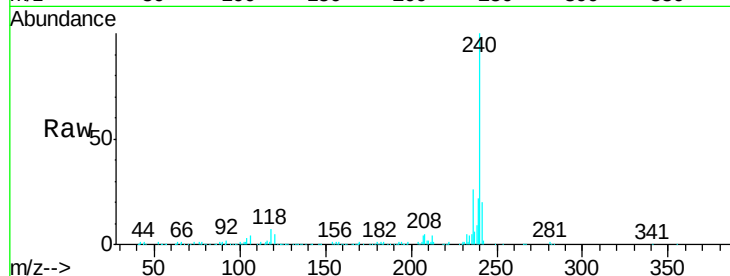
Tgt Ion:240 Resp: 308762

Ion Ratio Lower Upper

240 100

120 5.5 4.6 7.0

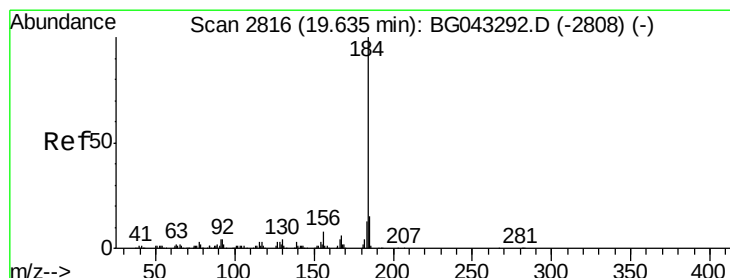
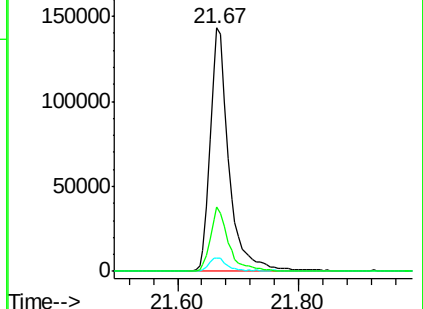
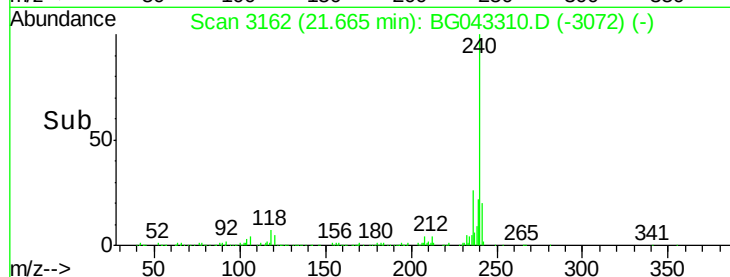
236 26.4 20.2 30.4



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: 3.102 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.37 min

Lab File: BG043310.D

Acq: 23 Oct 2019 16:06

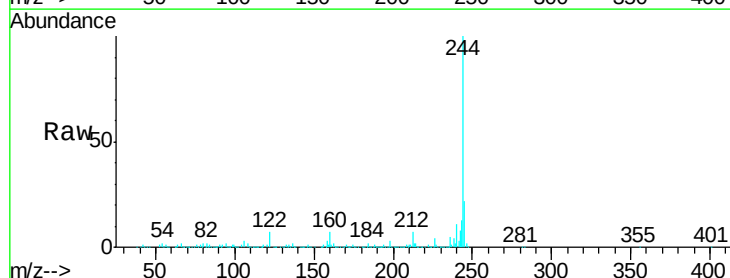
Tgt Ion:184 Resp: 19275

Ion Ratio Lower Upper

184 100

185 15.3 11.8 17.6

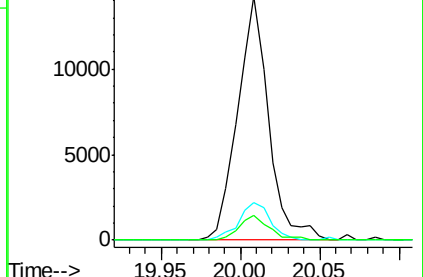
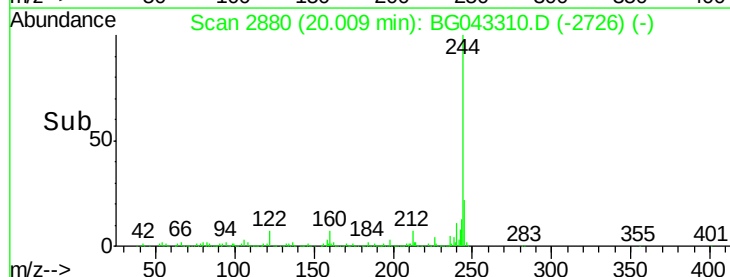
183 10.2 10.6 16.0#

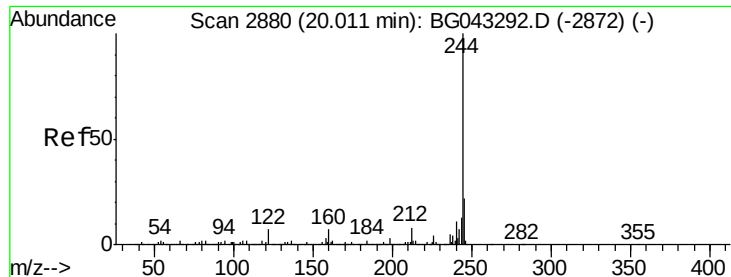


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 80.944 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG043310.D

Acq: 23 Oct 2019 16:06

Instrument :

BNA_G

ClientSampleId :

PB124203BL

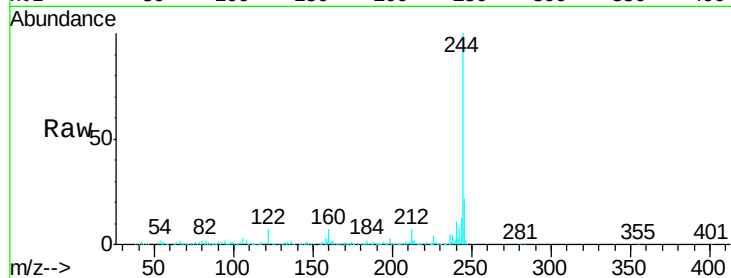
Tgt Ion:244 Resp: 1332173

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	7.1	5.3	7.9

244 100

212 7.2 6.4 9.6

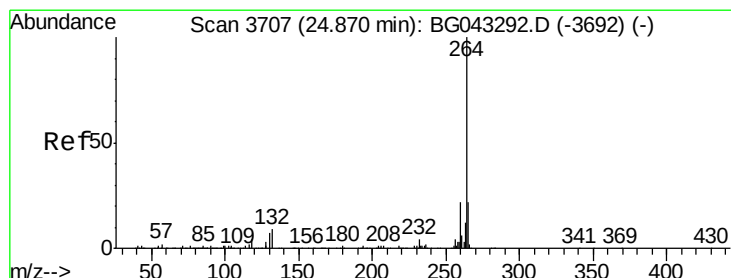
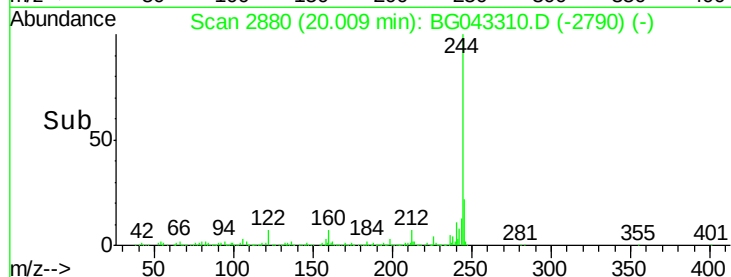
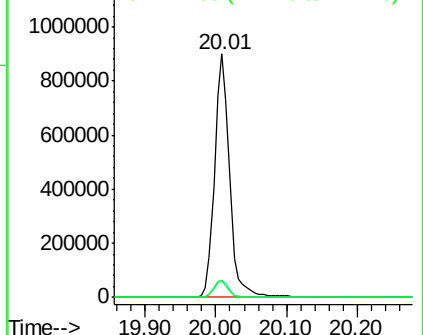
122 7.1 5.3 7.9



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: 24.87 min Scan# 3708

Delta R.T. 0.00 min

Lab File: BG043310.D

Acq: 23 Oct 2019 16:06

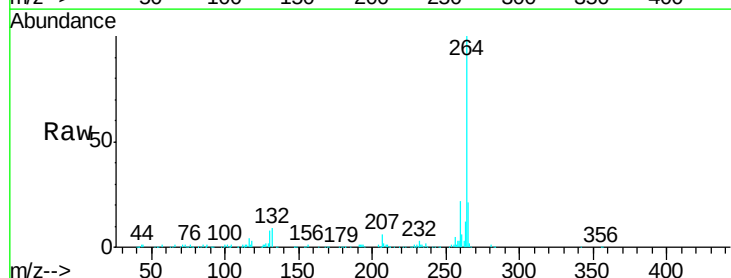
Tgt Ion:264 Resp: 347203

Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.9	26.9
265	21.1	17.4	26.2

264 100

260 22.4 17.9 26.9

265 21.1 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

