

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102319\
 Data File : BG043313.D
 Acq On : 23 Oct 2019 18:02
 Operator : JU
 Sample : PB124212TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124212TB

Quant Time: Oct 24 06:51:11 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

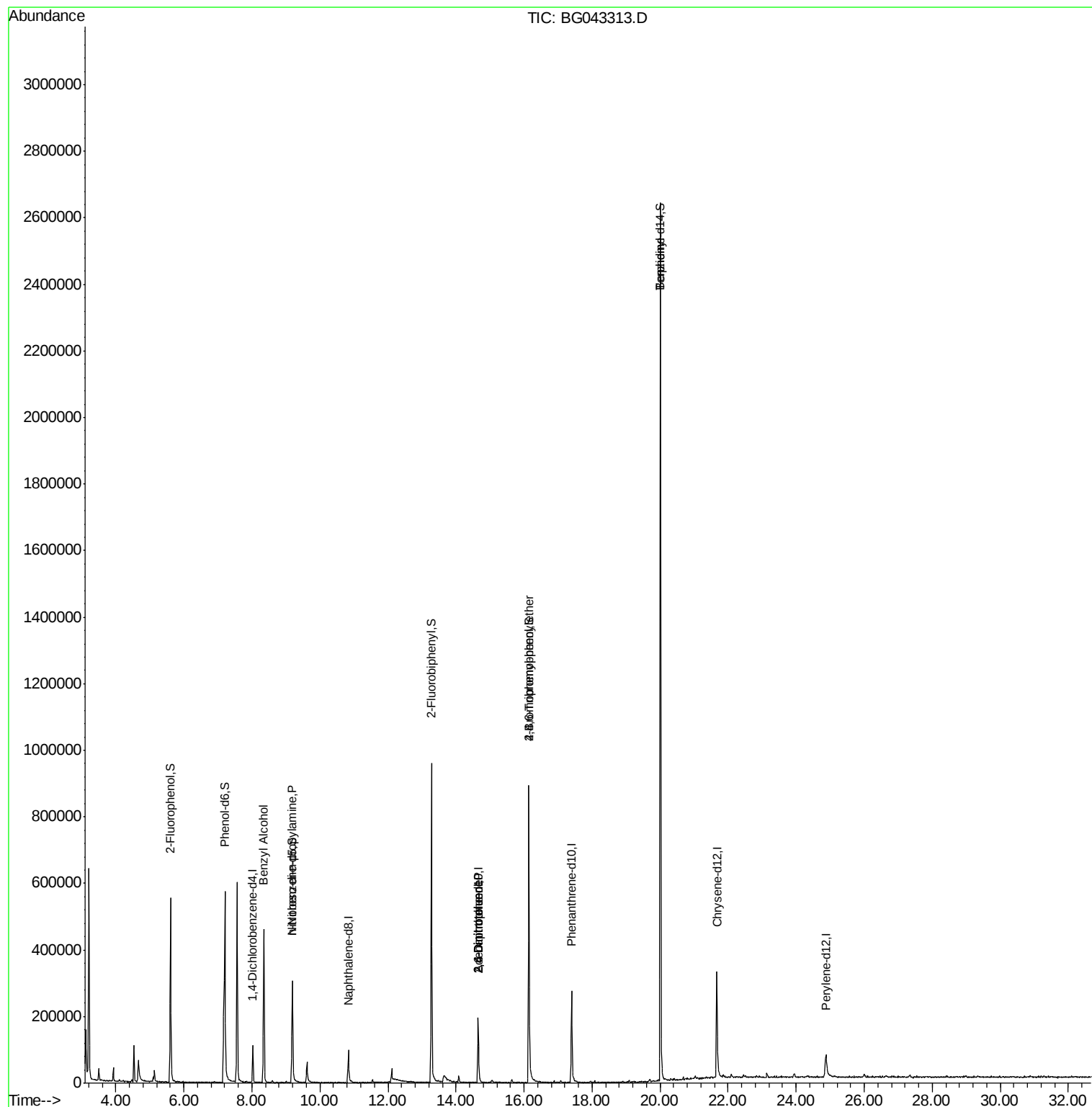
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	33734	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	104404	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	78651	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	211724	20.00	ng	0.00
76) Chrysene-d12	21.67	240	247300	20.00	ng	0.00
87) Perylene-d12	24.86	264	72024	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	252729	137.28	ng	0.00
7) Phenol-d6	7.20	99	342356	129.26	ng	0.00
23) Nitrobenzene-d5	9.19	82	219150	108.22	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	231353	154.57	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	585361	102.84	ng	0.00
79) Terphenyl-d14	20.01	244	1474541	111.86	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	3918	2.106	ng	# 44
19) n-Nitroso-di-n-propylamine	9.18	70	30030	17.546	ng	# 79
51) 2,6-Dinitrotoluene	14.65	165	11169	8.439	ng	# 23
54) 2,4-Dinitrophenol	14.66	184	64	7.353	ng	# 23
57) 2,4-Dinitrotoluene	14.65	165	11169	5.905	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	14783	5.188	ng	# 1
77) Benizidine	20.01	184	23493	4.720	ng	# 91

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

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QLast Update : Mon Oct 21 16:37:43 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG043313.D

Acq: 23 Oct 2019 18:02

Instrument :

BNA_G

ClientSampleId :

PB124212TB

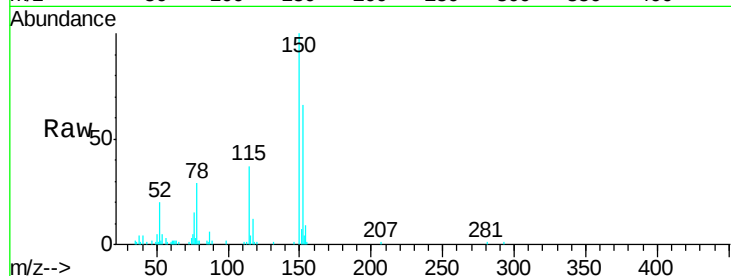
Tgt Ion:152 Resp: 33734

Ion Ratio Lower Upper

152 100

150 151.3 113.6 170.4

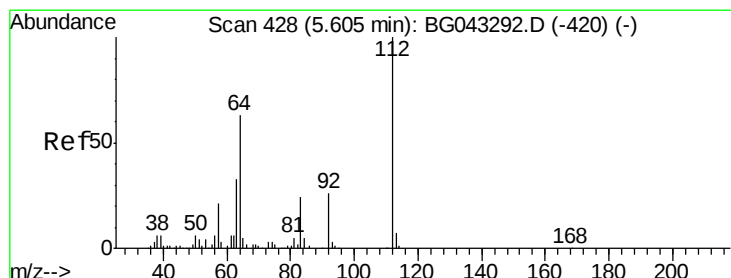
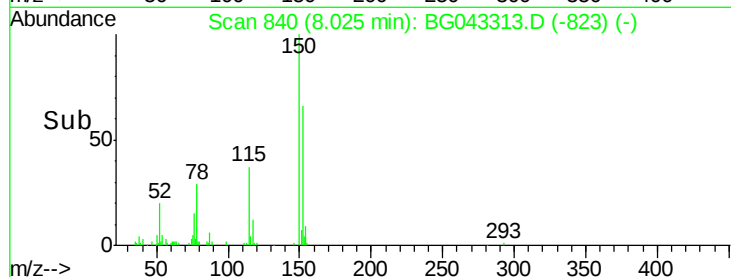
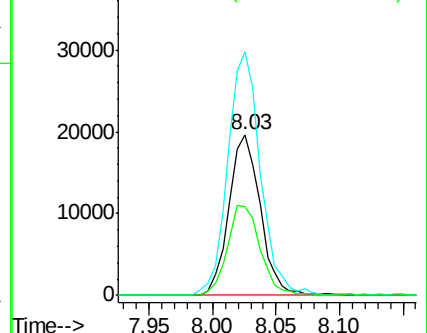
115 55.4 45.9 68.9



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: 137.284 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG043313.D

Acq: 23 Oct 2019 18:02

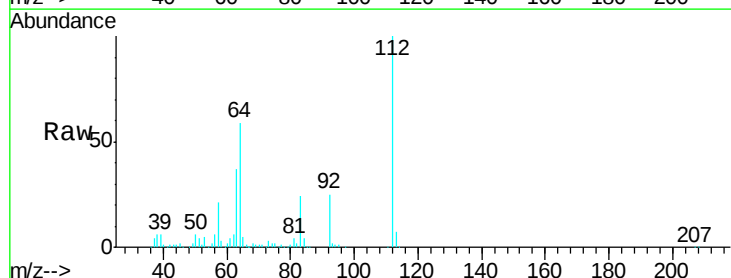
Tgt Ion:112 Resp: 252729

Ion Ratio Lower Upper

112 100

64 58.9 50.2 75.2

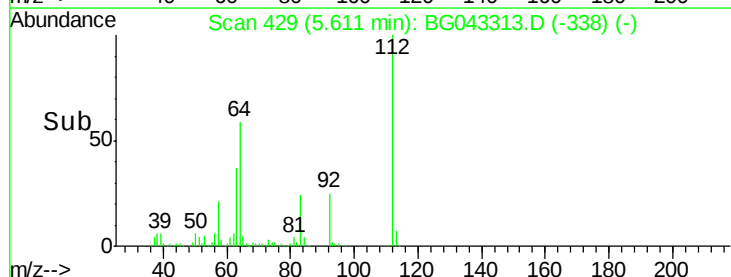
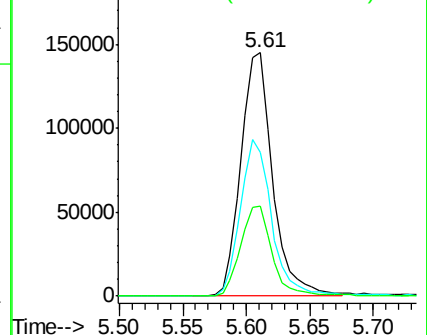
63 37.2 26.7 40.1

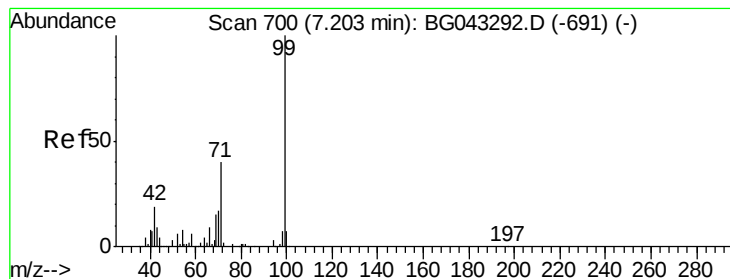


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 129.256 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043313.D

Acq: 23 Oct 2019 18:02

Instrument :

BNA_G

ClientSampleId :

PB124212TB

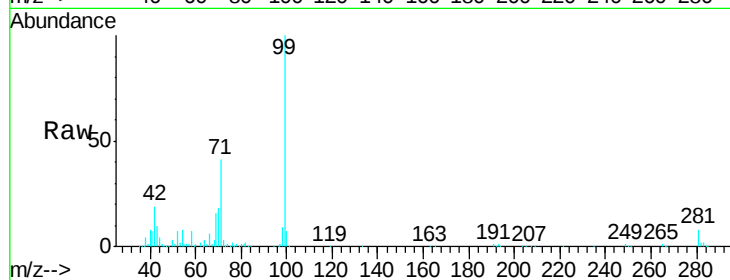
Tgt Ion: 99 Resp: 342356

Ion Ratio Lower Upper

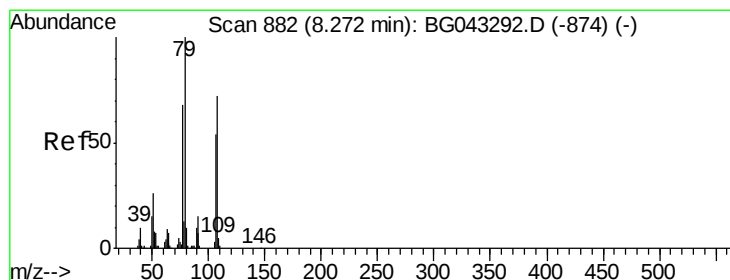
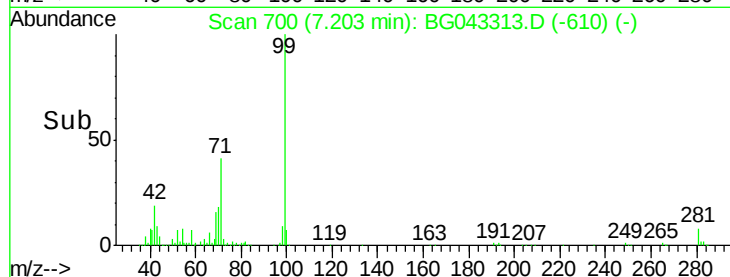
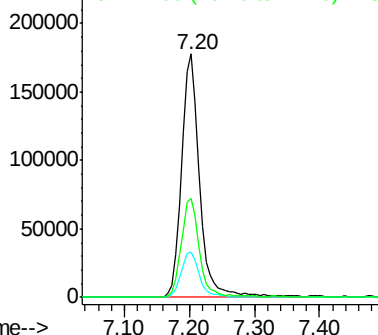
99 100

42 18.8 14.9 22.3

71 40.5 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



#15

Benzyl Alcohol

Concen: 2.106 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.08 min

Lab File: BG043313.D

Acq: 23 Oct 2019 18:02

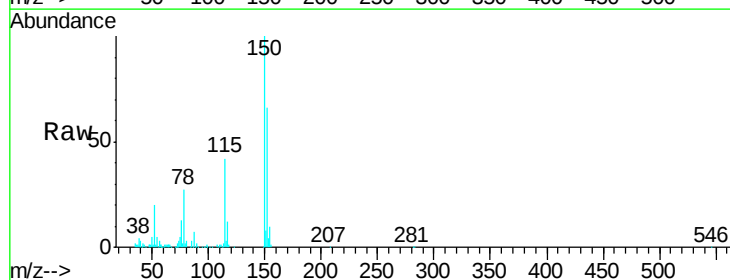
Tgt Ion: 79 Resp: 3918

Ion Ratio Lower Upper

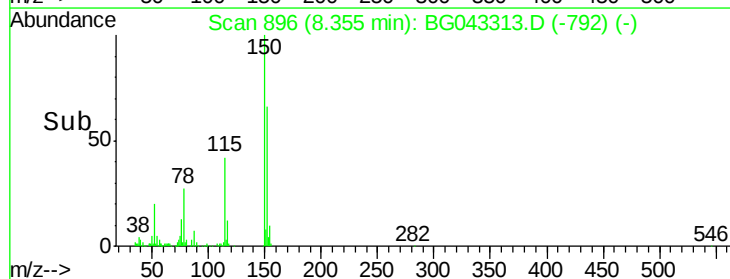
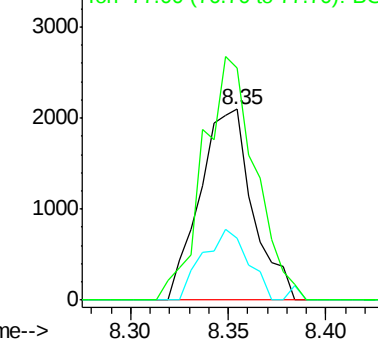
79 100

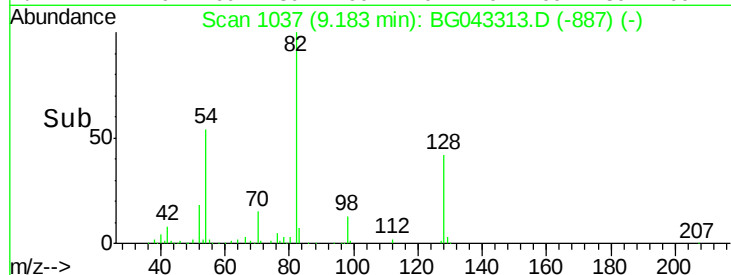
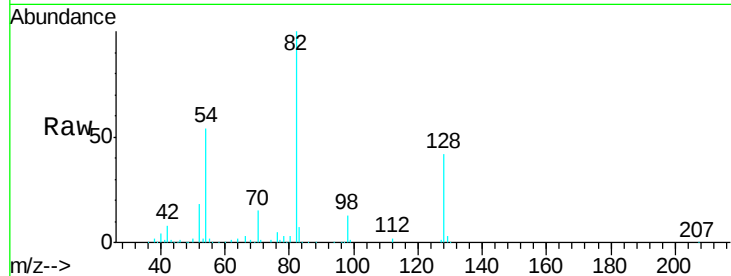
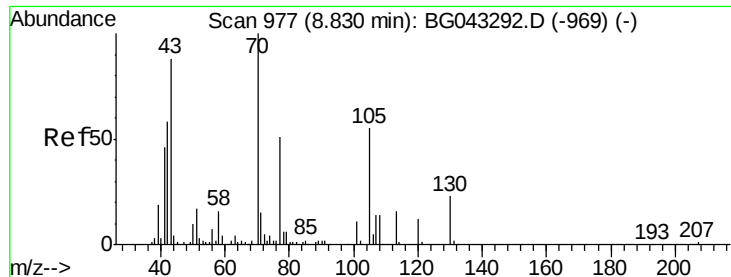
108 32.6 57.3 85.9#

77 121.6 54.6 81.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

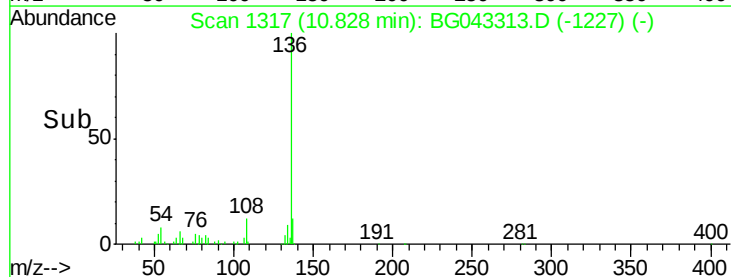
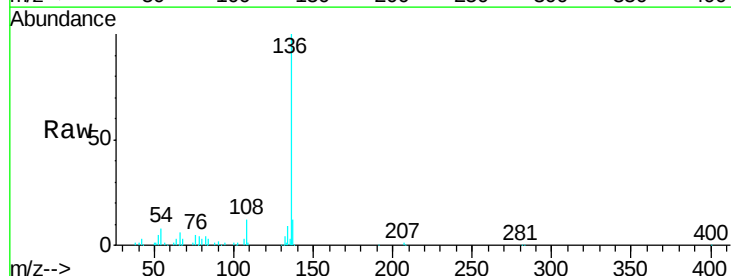
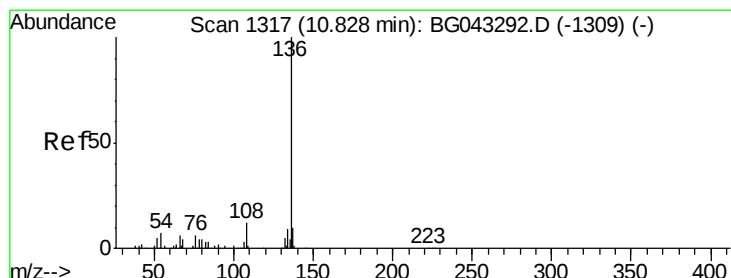
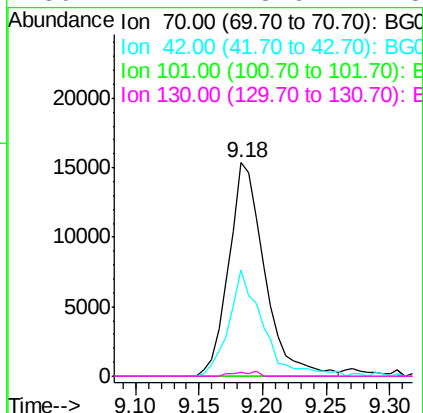




#19
n-Nitroso-di-n-propylamine
Concen: 17.546 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.35 min
Lab File: BG043313.D
Acq: 23 Oct 2019 18:02

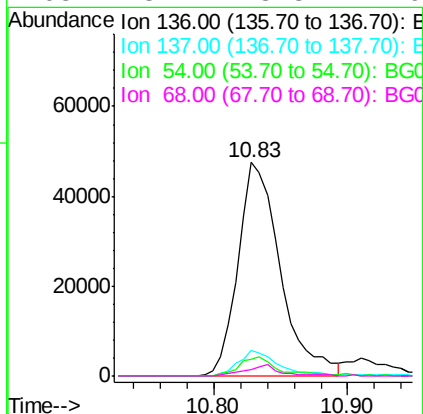
Instrument :
BNA_G
ClientSampleId :
PB124212TB

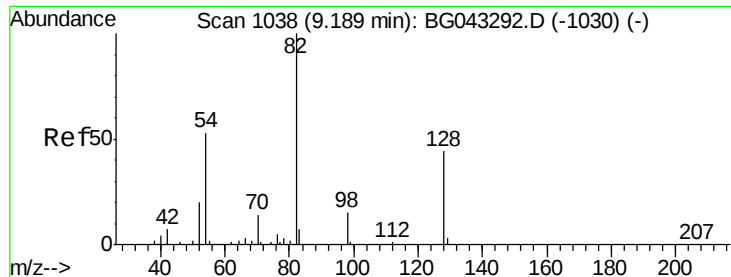
Tgt Ion: 70 Resp: 30030
Ion Ratio Lower Upper
70 100
42 49.8 46.2 69.2
101 0.0 8.6 13.0#
130 1.7 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG043313.D
Acq: 23 Oct 2019 18:02

Tgt Ion: 136 Resp: 104404
Ion Ratio Lower Upper
136 100
137 11.9 8.2 12.2
54 7.6 5.4 8.2
68 3.1 3.3 4.9#

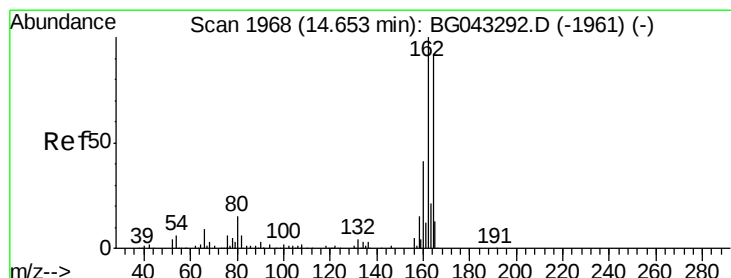
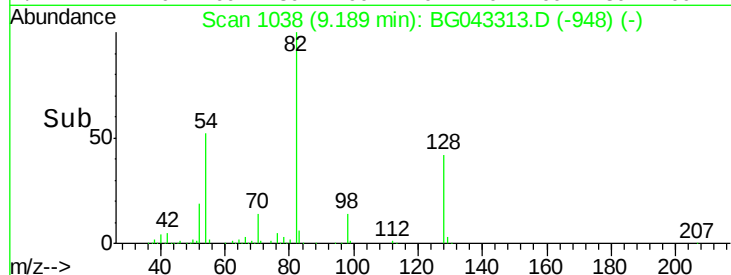
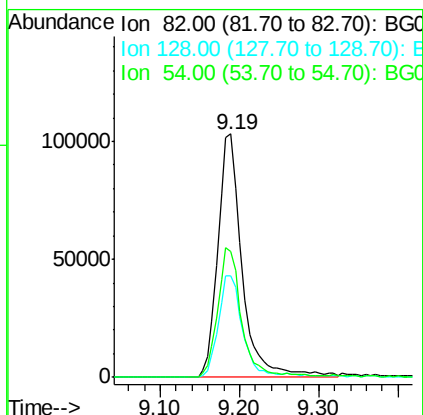
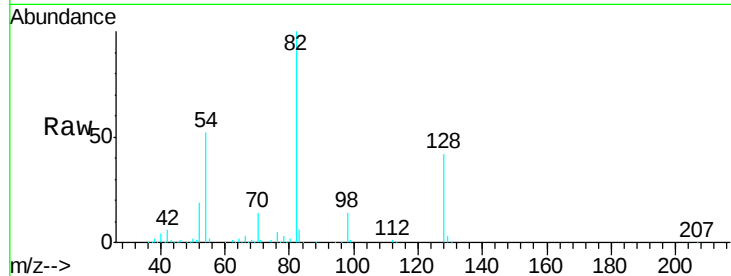




#23
Nitrobenzene-d5
Concen: 108.216 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BG043313.D
Acq: 23 Oct 2019 18:02

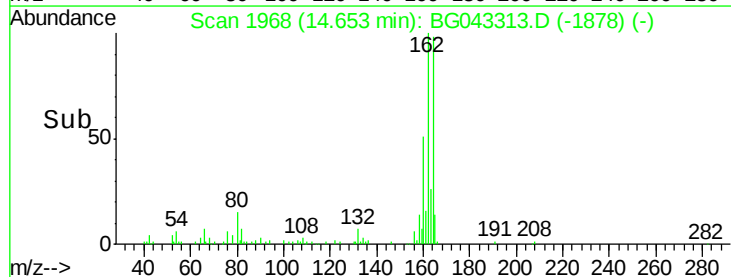
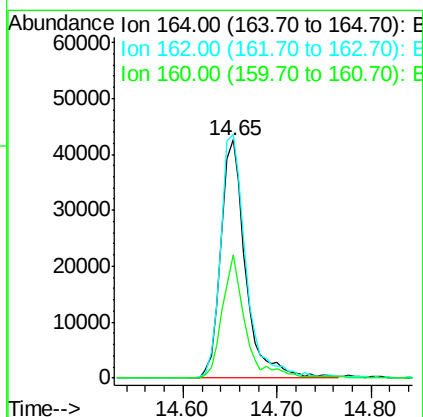
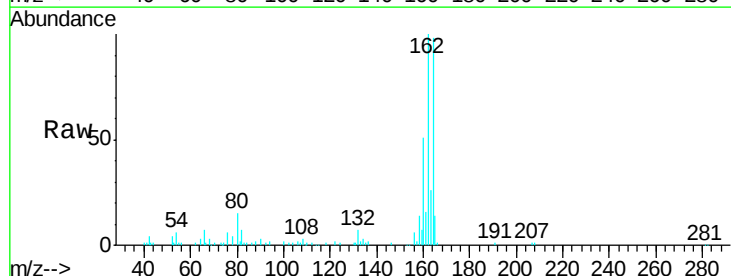
Instrument :
BNA_G
ClientSampleId :
PB124212TB

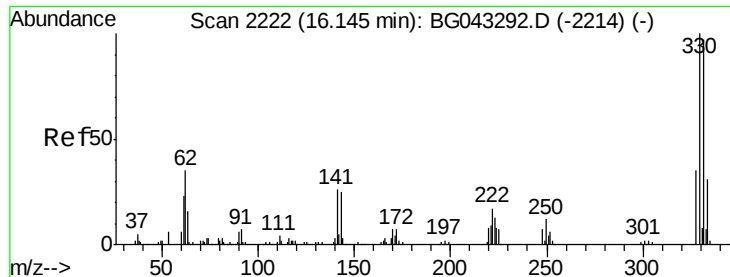
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.5	35.3	52.9
54	52.0	42.3	63.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BG043313.D
Acq: 23 Oct 2019 18:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	87.0	130.4
160	51.8	35.5	53.3

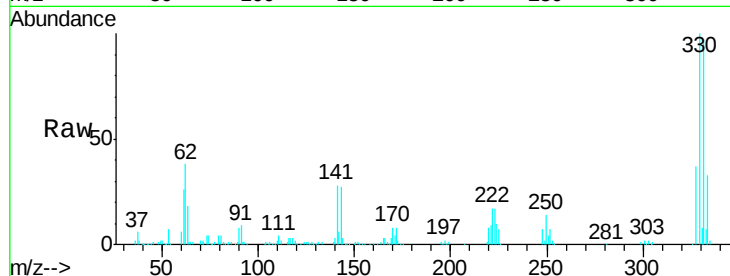




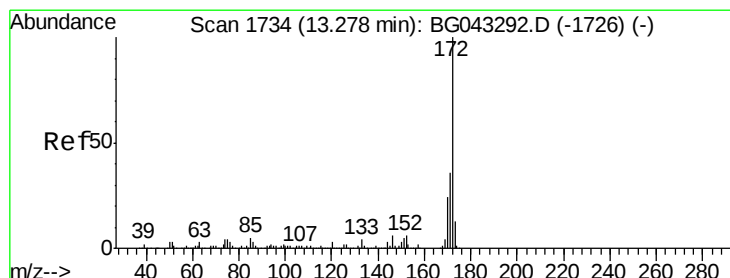
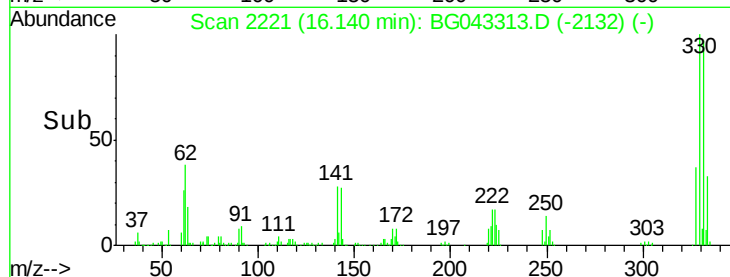
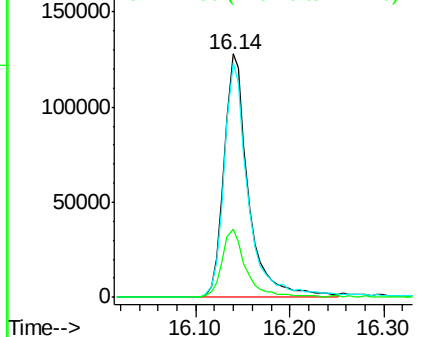
#42
 2,4,6-Tribromophenol
 Concen: 154.572 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043313.D
 Acq: 23 Oct 2019 18:02

Instrument :
 BNA_G
 ClientSampleId :
 PB124212TB

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.4	114.6
141	27.7	21.4	32.0

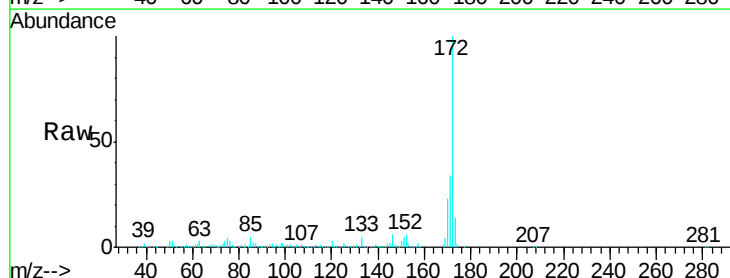


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

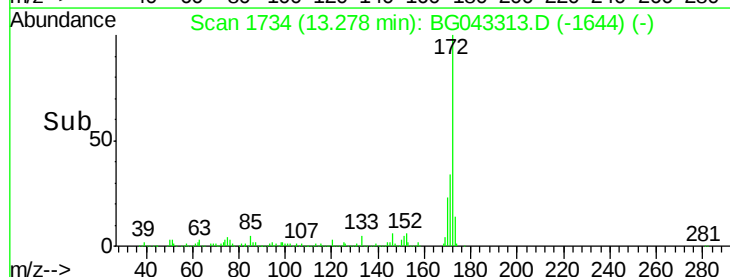
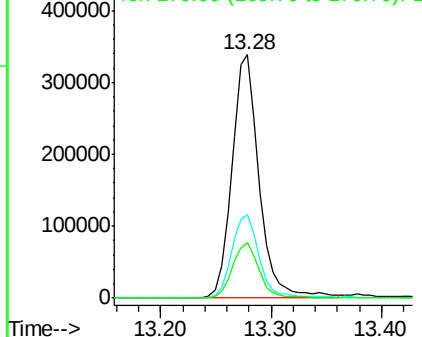


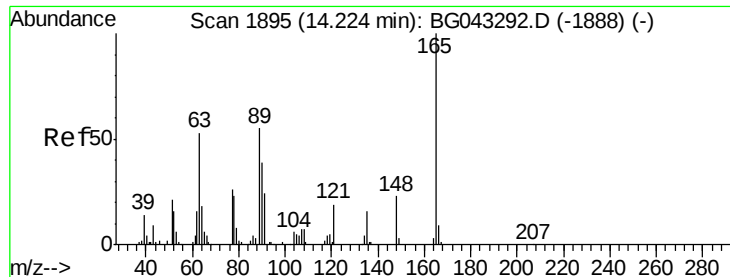
#45
 2-Fluorobiphenyl
 Concen: 102.841 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. 0.00 min
 Lab File: BG043313.D
 Acq: 23 Oct 2019 18:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.5	42.7
170	22.9	18.8	28.2



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: 8.439 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.43 min

Lab File: BG043313.D

Acq: 23 Oct 2019 18:02

Instrument :

BNA_G

ClientSampleId :

PB124212TB

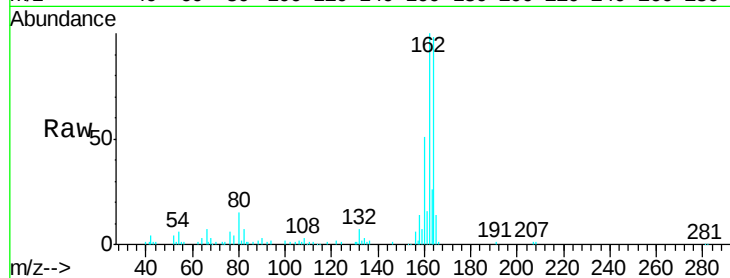
Tgt Ion:165 Resp: 11169

Ion Ratio Lower Upper

165 100

63 0.0 47.1 70.7#

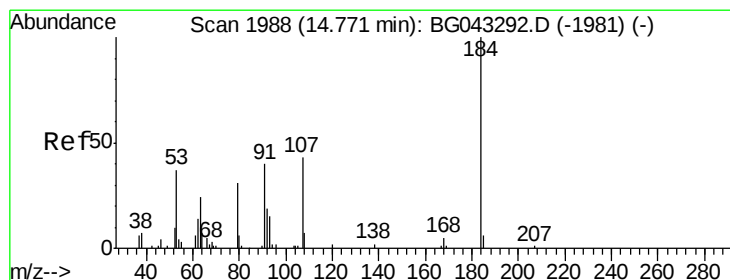
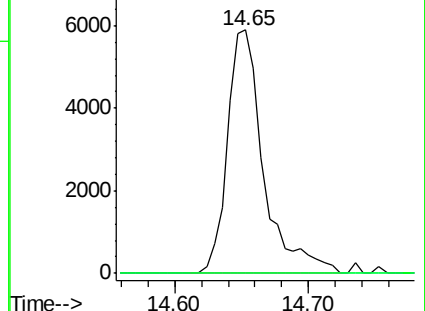
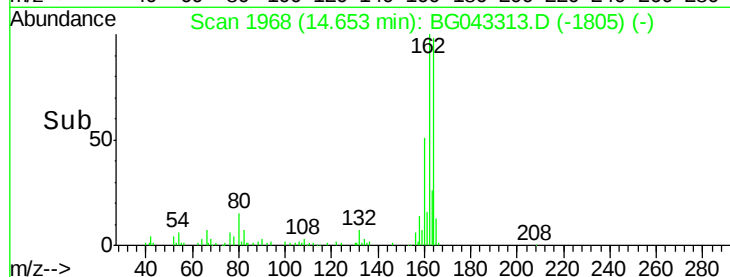
89 0.0 43.7 65.5#



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



#54

2,4-Dinitrophenol

Concen: 7.353 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.11 min

Lab File: BG043313.D

Acq: 23 Oct 2019 18:02

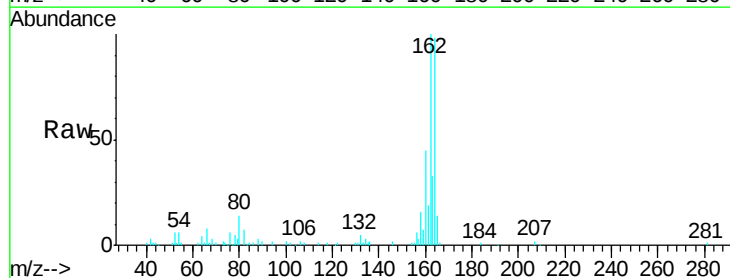
Tgt Ion:184 Resp: 64

Ion Ratio Lower Upper

184 100

63 0.0 48.8 73.2#

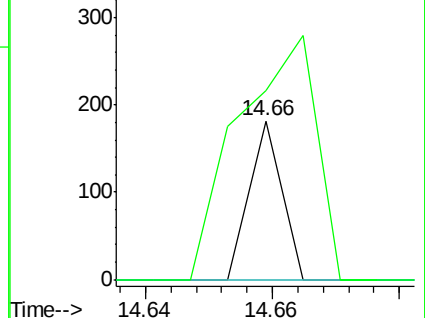
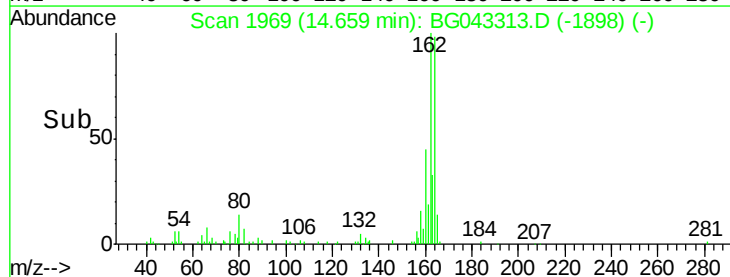
154 118.7 49.4 74.0#

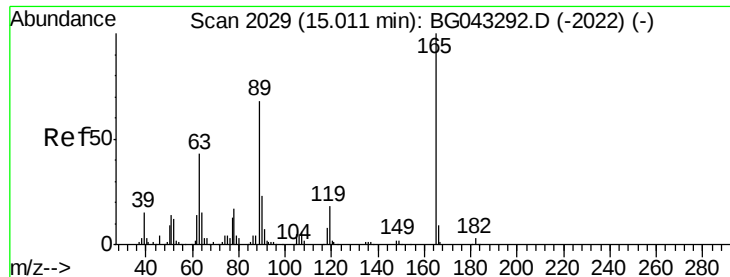


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.905 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.36 min

Lab File: BG043313.D

Acq: 23 Oct 2019 18:02

Instrument :

BNA_G

ClientSampleId :

PB124212TB

Tgt Ion:165 Resp: 11169

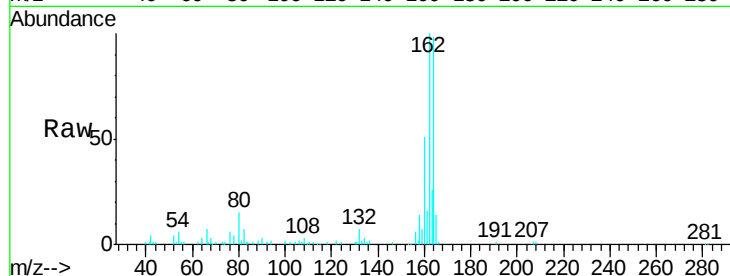
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.6#

89 0.0 54.1 81.1#

182 0.0 2.2 3.2#

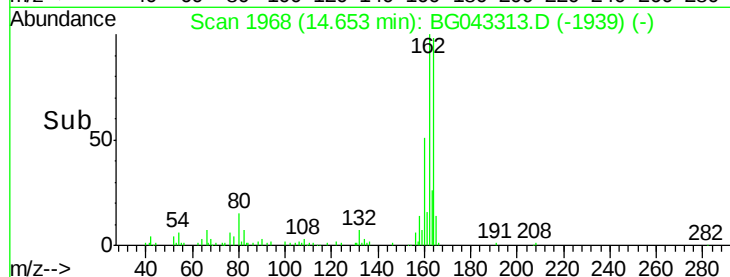


Abundance Ion 165.00 (164.70 to 165.70): E

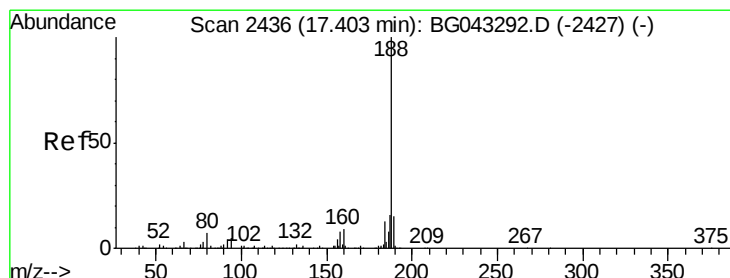
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043313.D

Acq: 23 Oct 2019 18:02

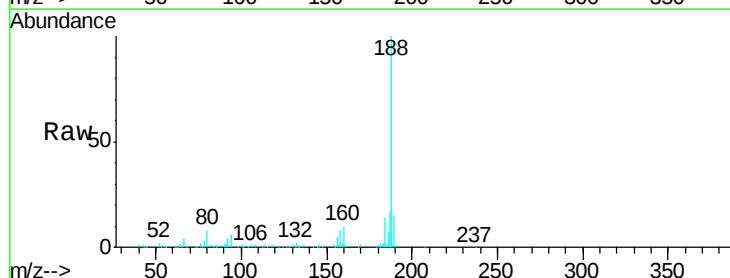
Tgt Ion:188 Resp: 211724

Ion Ratio Lower Upper

188 100

94 5.9 4.2 6.2

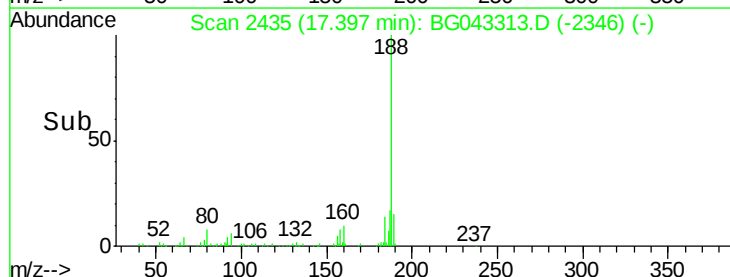
80 8.0 5.2 7.8#



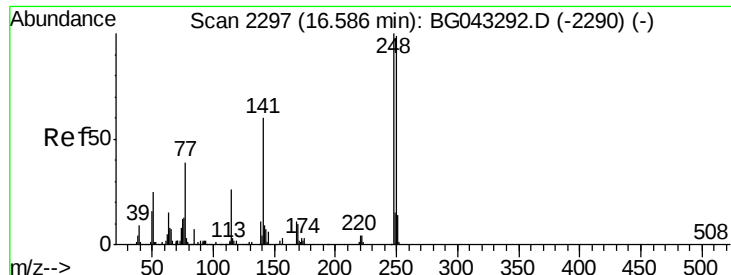
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



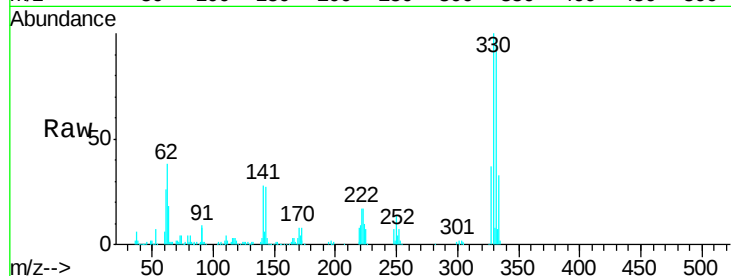
Time-->



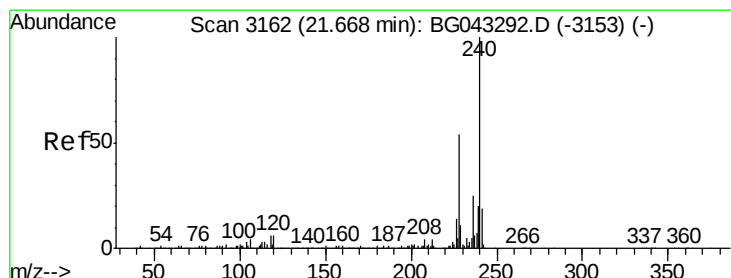
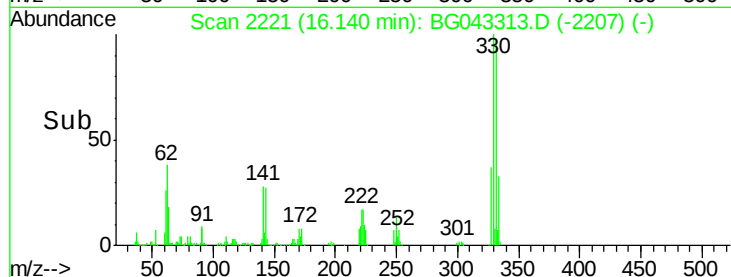
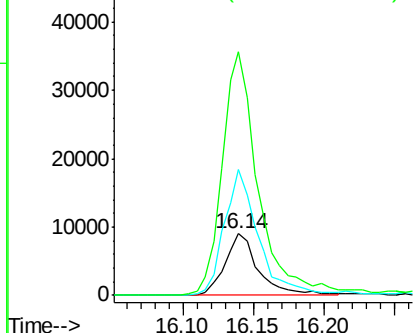
#67
 4-Bromophenyl-phenylether
 Concen: 5.188 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG043313.D
 Acq: 23 Oct 2019 18:02

Instrument :
 BNA_G
 ClientSampleId :
 PB124212TB

Tgt Ion:248 Resp: 14783
 Ion Ratio Lower Upper
 248 100
 250 205.0 79.3 118.9#
 141 396.0 47.9 71.9#

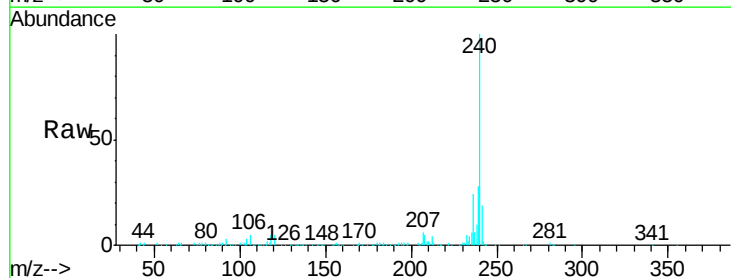


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

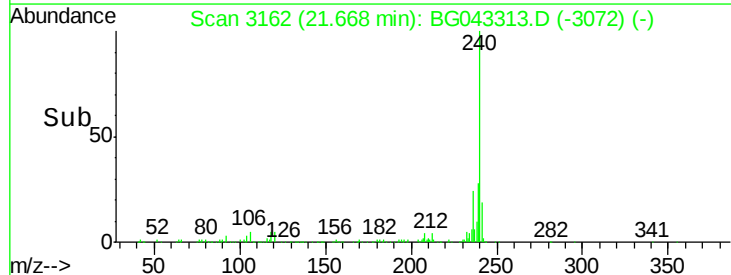
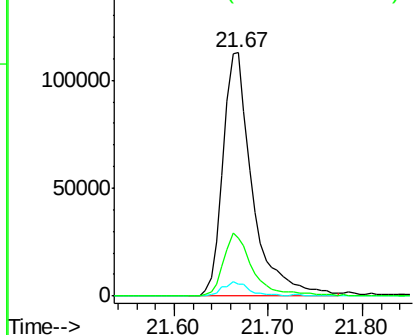


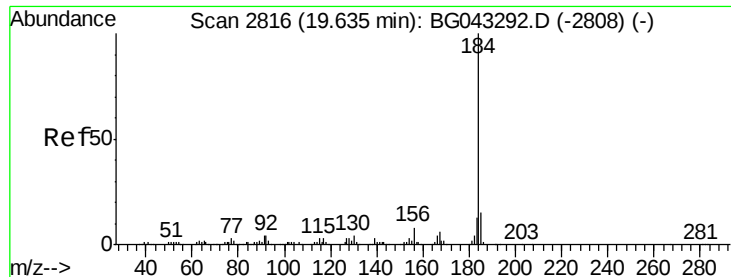
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. 0.00 min
 Lab File: BG043313.D
 Acq: 23 Oct 2019 18:02

Tgt Ion:240 Resp: 247300
 Ion Ratio Lower Upper
 240 100
 120 4.9 4.6 7.0
 236 24.0 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: 4.720 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043313.D

Acq: 23 Oct 2019 18:02

Instrument :

BNA_G

ClientSampleId :

PB124212TB

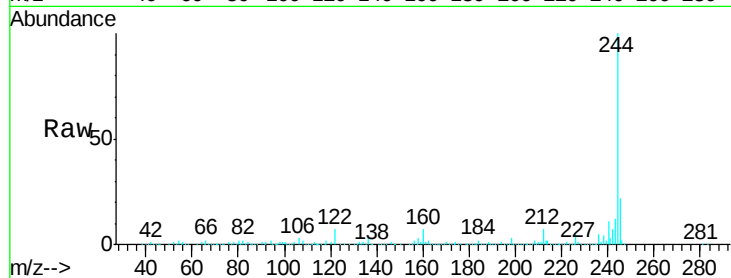
Tgt Ion:184 Resp: 23493

Ion Ratio Lower Upper

184 100

185 13.1 11.8 17.6

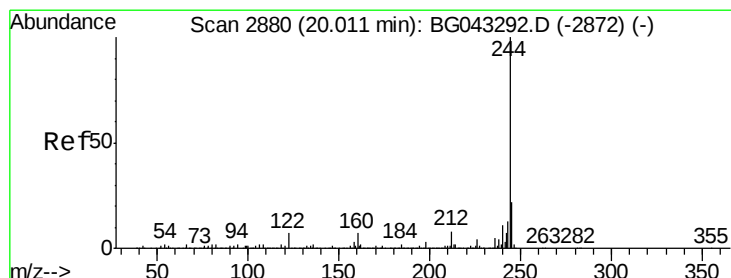
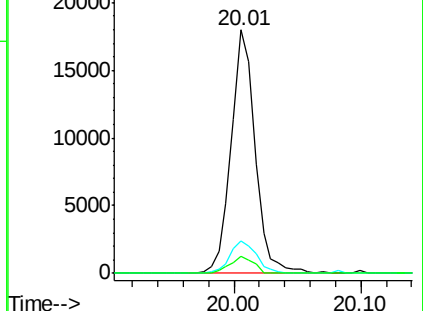
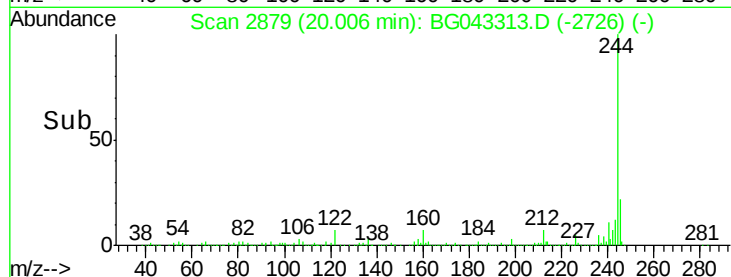
183 7.2 10.6 16.0#



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: 111.861 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043313.D

Acq: 23 Oct 2019 18:02

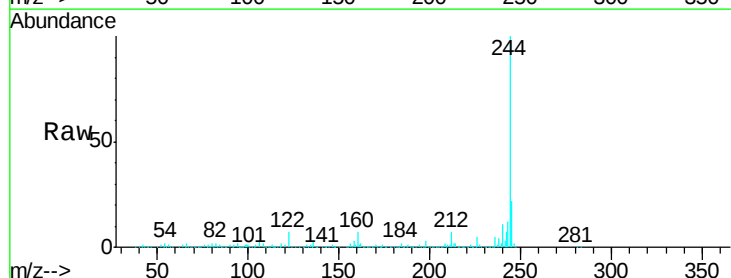
Tgt Ion:244 Resp: 1474541

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

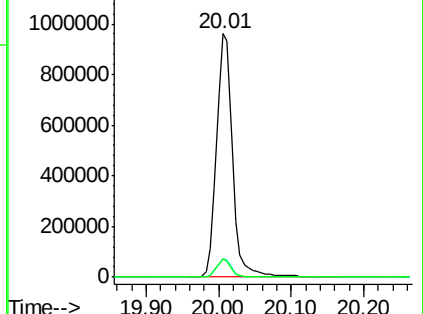
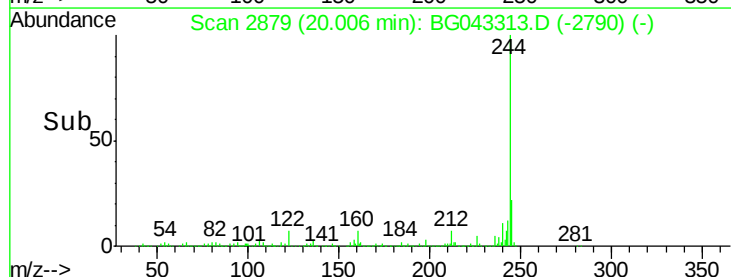
122 7.3 5.3 7.9

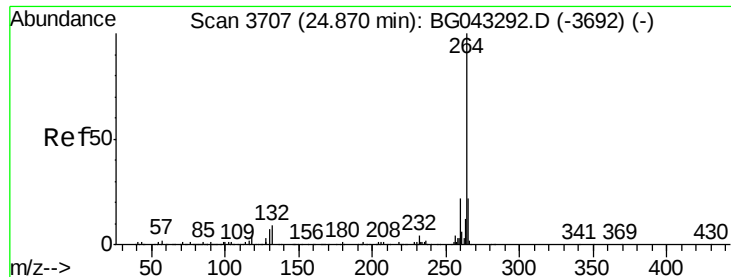


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



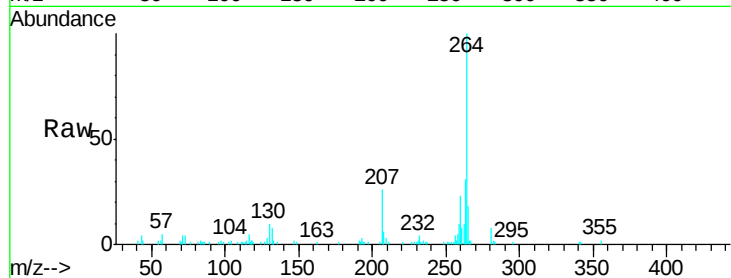


#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3706
Delta R.T. -0.01 min
Lab File: BG043313.D
Acq: 23 Oct 2019 18:02

Instrument :
BNA_G
ClientSampleId :
PB124212TB

Tgt Ion: 264 Resp: 72024

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.9	26.9
265	17.6	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

