

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043589.D
 Acq On : 11 Nov 2019 18:41
 Operator : JU
 Sample : PB124674BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124674BL

Quant Time: Nov 12 00:48:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

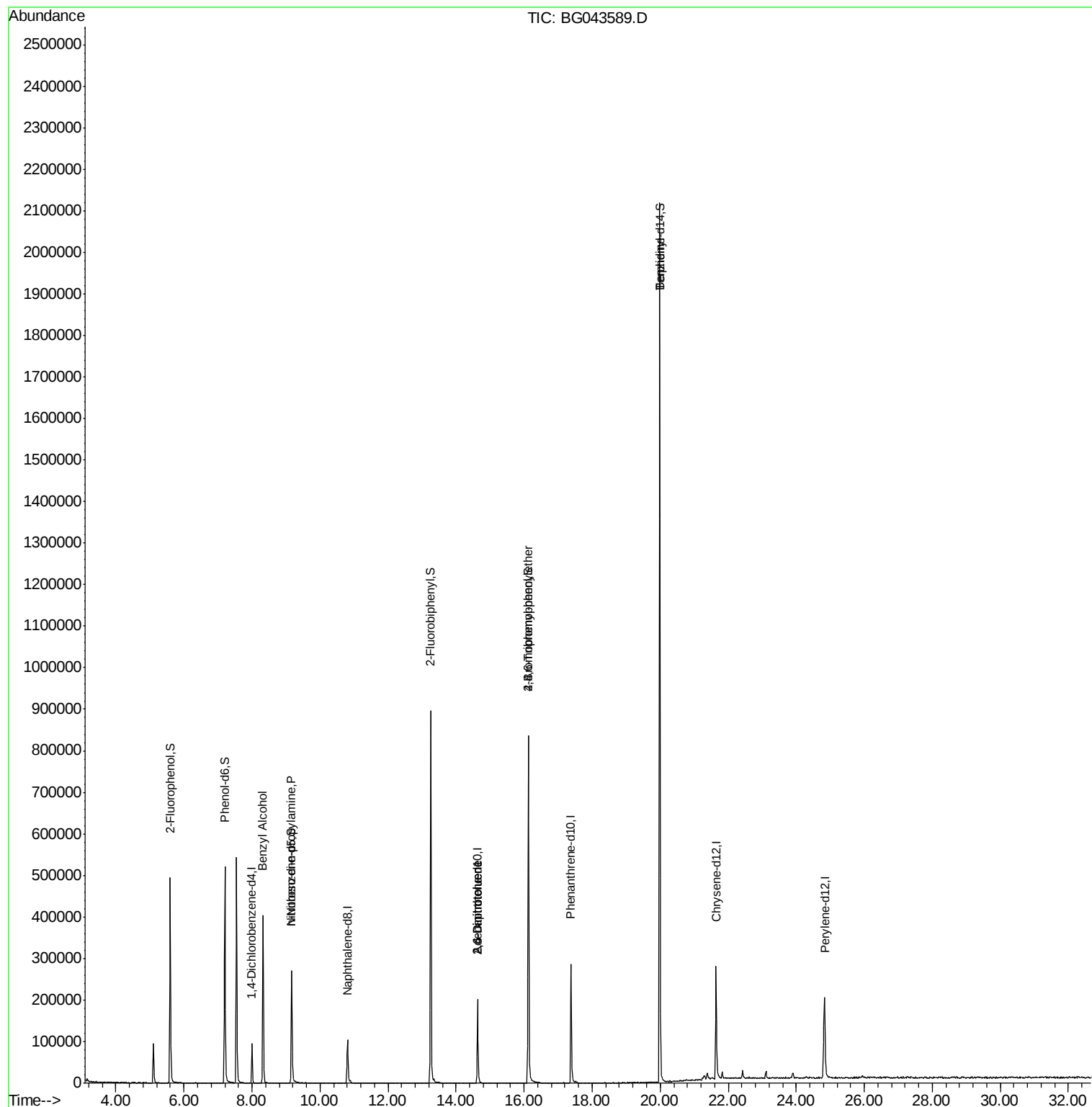
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	29981	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	118137	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	87214	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	226726	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	203376	20.00	ng	-0.01
87) Perylene-d12	24.83	264	242035	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	234102	143.08	ng	0.00
7) Phenol-d6	7.20	99	322378	136.95	ng	0.00
23) Nitrobenzene-d5	9.16	82	192049	83.81	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	207474	125.01	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	541365	85.77	ng	-0.01
79) Terphenyl-d14	19.99	244	1174323	108.33	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.32	79	3579	2.165	ng	# 62
19) n-Nitroso-di-n-propylamine	9.16	70	25579	16.816	ng	# 79
51) 2,6-Dinitrotoluene	14.63	165	11756	8.010	ng	# 22
57) 2,4-Dinitrotoluene	14.63	165	11756	5.605	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	13433	4.402	ng	# 1
77) Benzidine	19.99	184	17749	4.336	ng	# 92

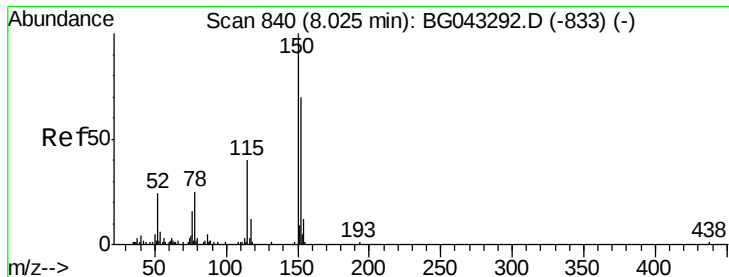
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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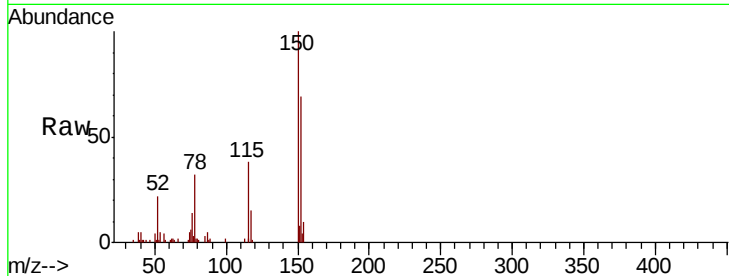


#1

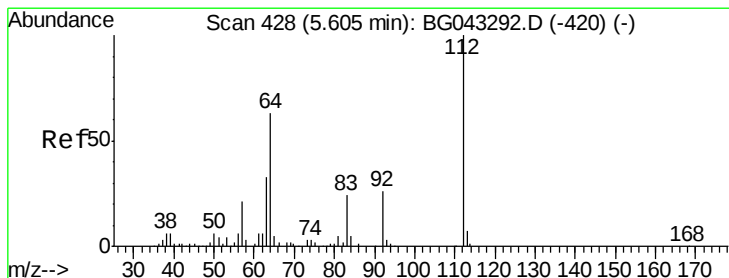
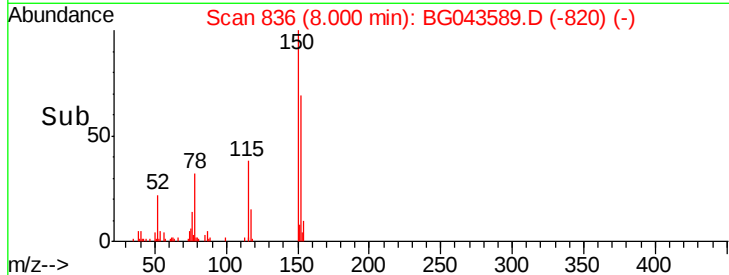
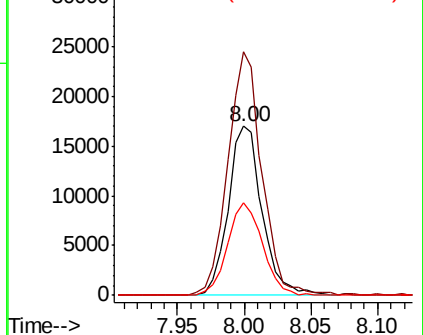
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043589.D
Acq: 11 Nov 2019 18:41

Instrument :
BNA_G
ClientSampleId :
PB124674BL

Tot Ion:152 Resp: 29981
Ion Ratio Lower Upper
152 100
150 144.1 129.4 194.0
115 54.6 48.8 73.2



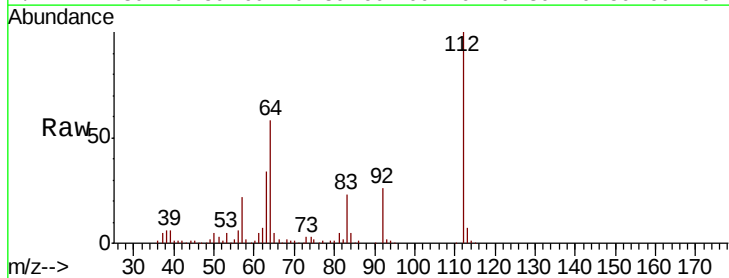
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



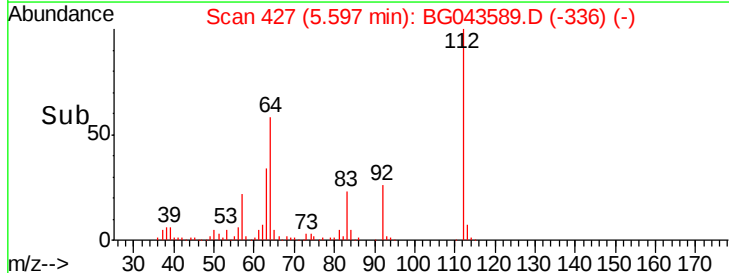
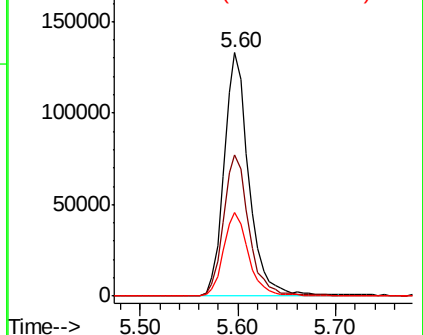
#5

2-Fluorophenol
Concen: 143.084 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043589.D
Acq: 11 Nov 2019 18:41

Tgt Ion:112 Resp: 234102
Ion Ratio Lower Upper
112 100
64 58.2 50.0 75.0
63 34.4 26.6 40.0



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: 136.950 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043589.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA_G

ClientSampleId :

PB124674BL

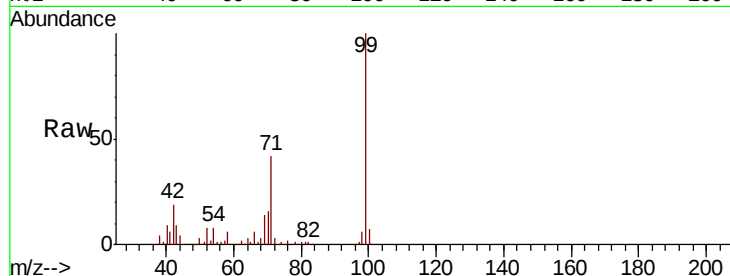
Tot Ion: 99 Resp: 322378

Ion Ratio Lower Upper

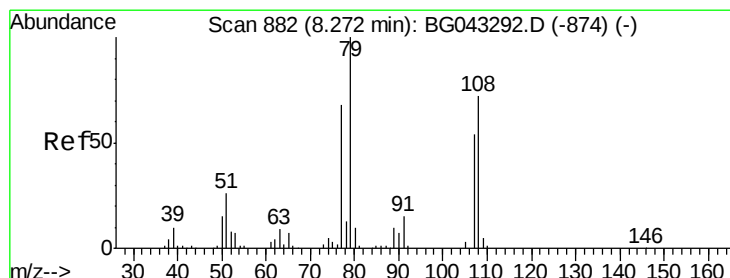
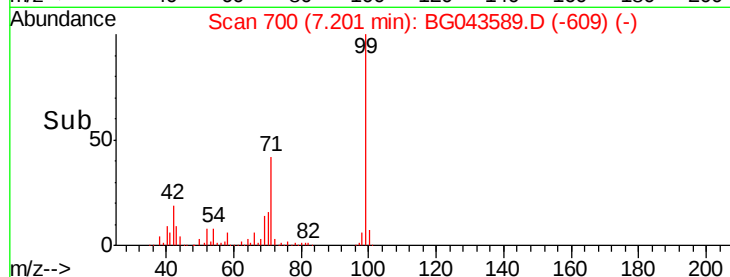
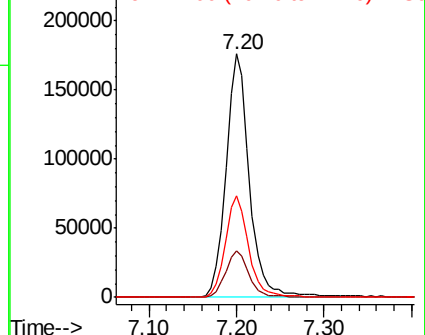
99 100

42 19.0 14.6 21.8

71 41.5 32.5 48.7



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: 2.165 ng

RT: 8.32 min Scan# 890

Delta R.T. 0.06 min

Lab File: BG043589.D

Acq: 11 Nov 2019 18:41

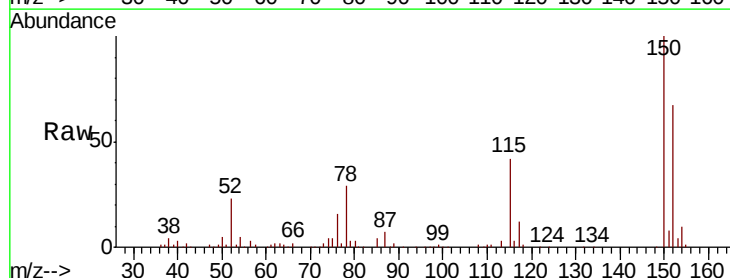
Tgt Ion: 79 Resp: 3579

Ion Ratio Lower Upper

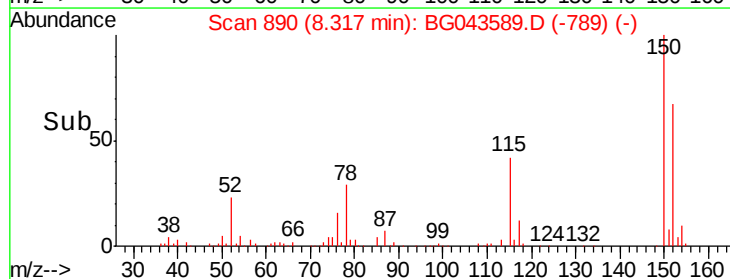
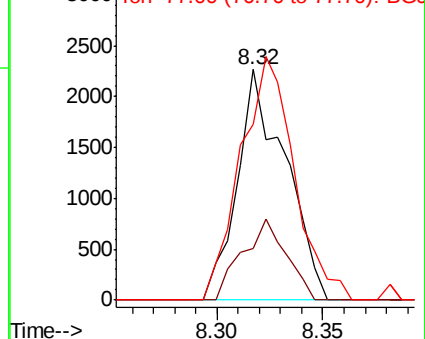
79 100

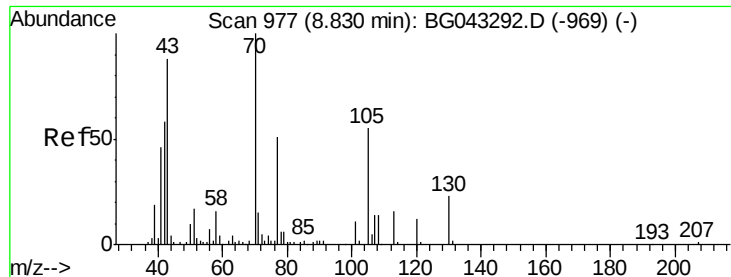
108 22.4 53.6 80.4#

77 76.3 49.6 74.4#



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

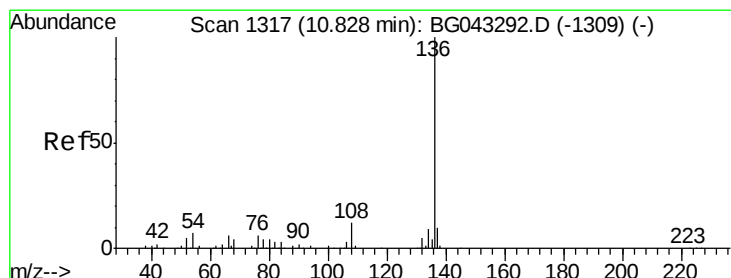
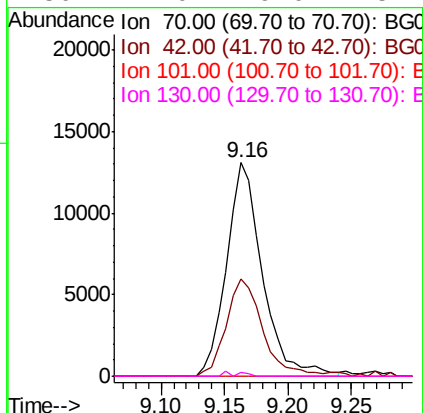
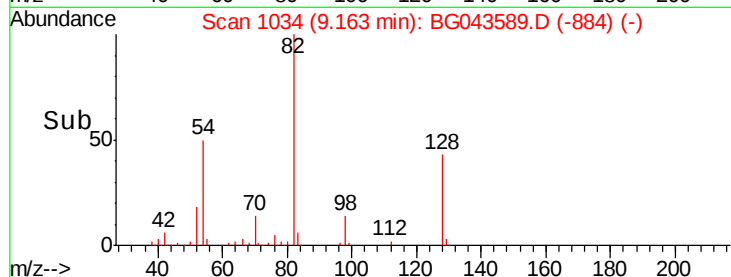
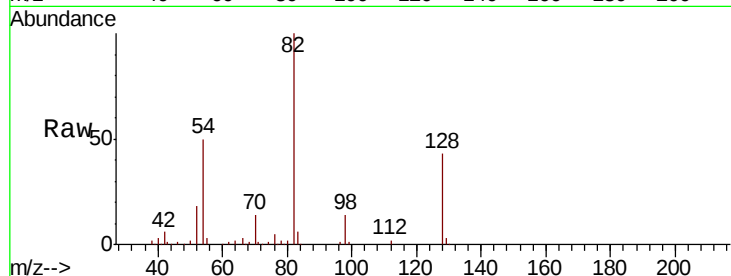




#19
n-Nitroso-di-n-propylamine
Concen: 16.816 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG043589.D
Acq: 11 Nov 2019 18:41

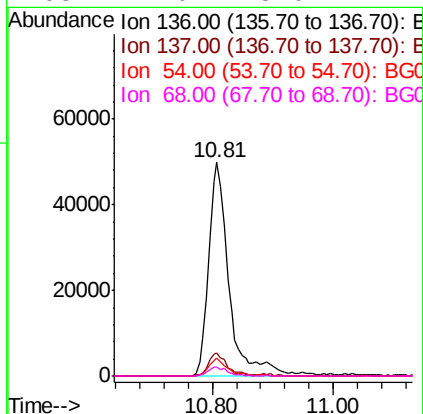
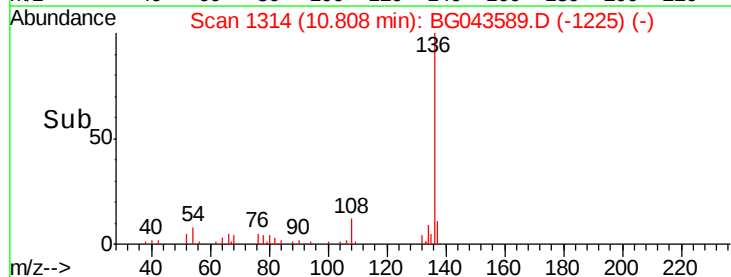
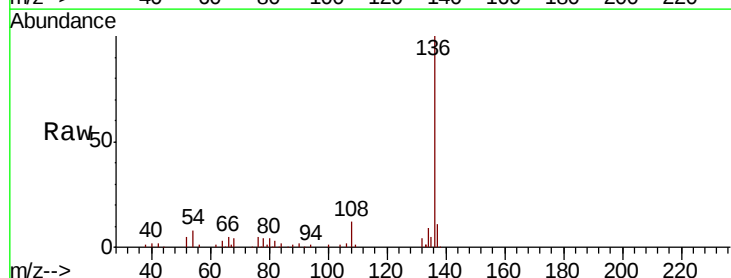
Instrument :
BNA_G
ClientSampleId :
PB124674BL

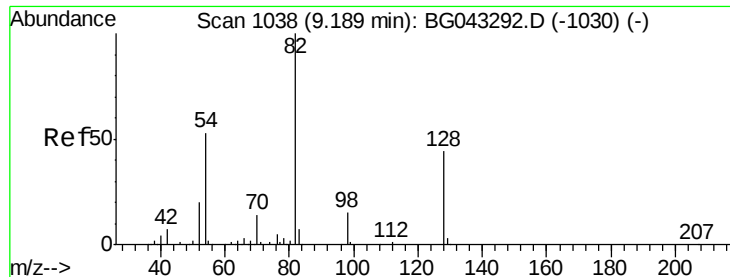
Tot Ion: 70 Resp: 25579
Ion Ratio Lower Upper
70 100
42 45.7 41.4 62.2
101 0.0 7.9 11.9#
130 2.0 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BG043589.D
Acq: 11 Nov 2019 18:41

Tgt Ion: 136 Resp: 118137
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.4 5.4 8.2#
68 4.0 3.0 4.4

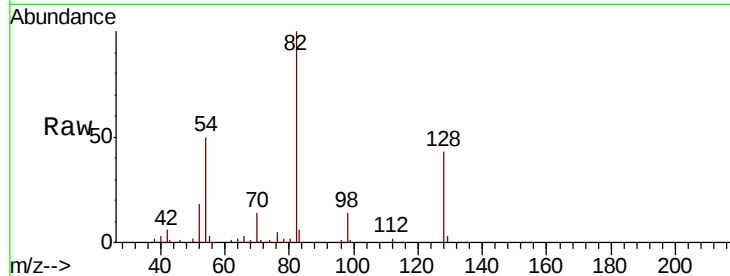




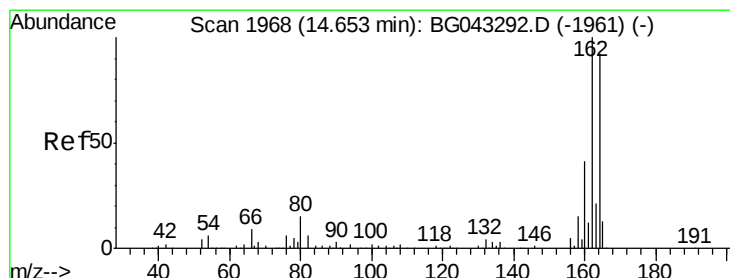
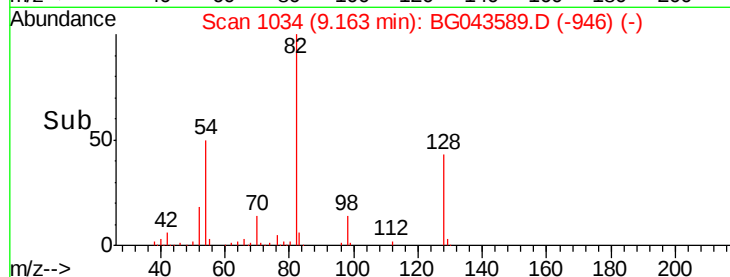
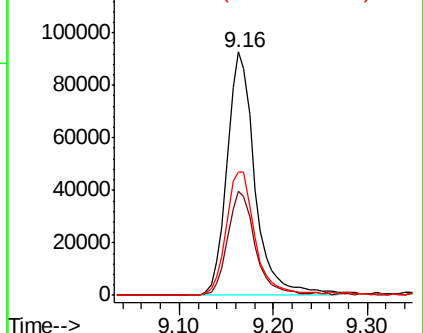
#23
Nitrobenzene-d5
Concen: 83.809 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG043589.D
Acq: 11 Nov 2019 18:41

Instrument :
BNA_G
ClientSampleId :
PB124674BL

Tot Ion: 82 Resp: 192049
Ion Ratio Lower Upper
82 100
128 42.7 35.0 52.6
54 50.5 40.2 60.2

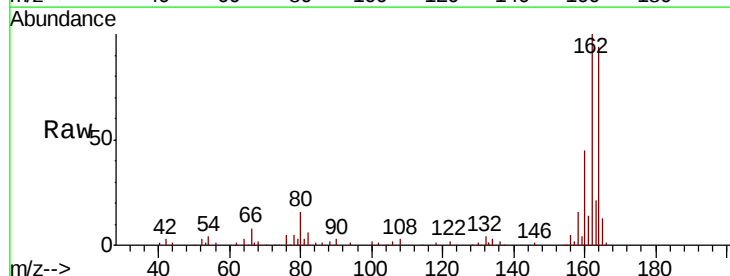


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

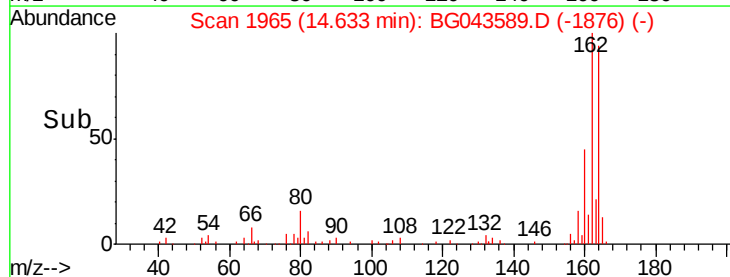
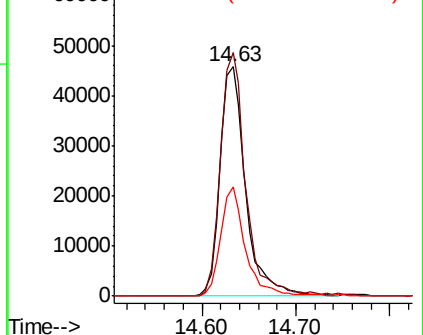


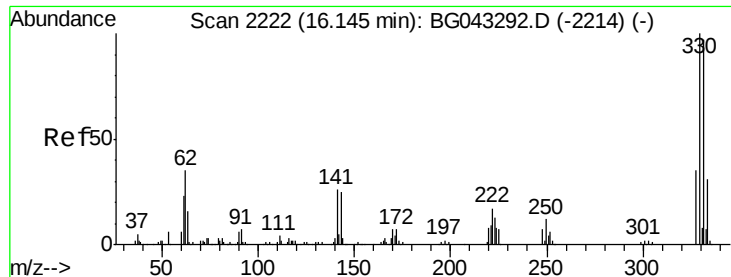
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BG043589.D
Acq: 11 Nov 2019 18:41

Tgt Ion:164 Resp: 87214
Ion Ratio Lower Upper
164 100
162 106.2 83.5 125.3
160 47.7 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

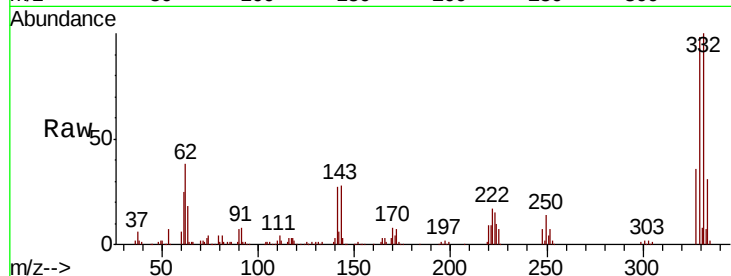




#42
 2,4,6-Tribromophenol
 Concen: 125.008 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG043589.D
 Acq: 11 Nov 2019 18:41

Instrument :
 BNA_G
 ClientSampleId :
 PB124674BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.4	116.0
141	28.6	22.8	34.2

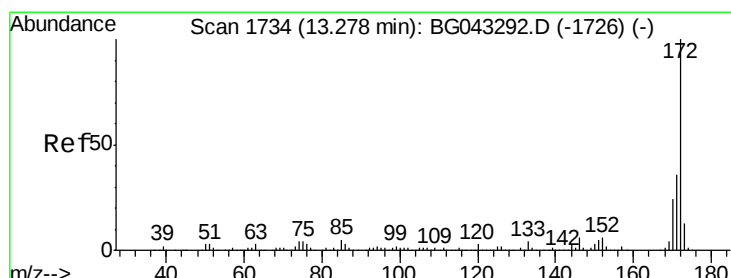
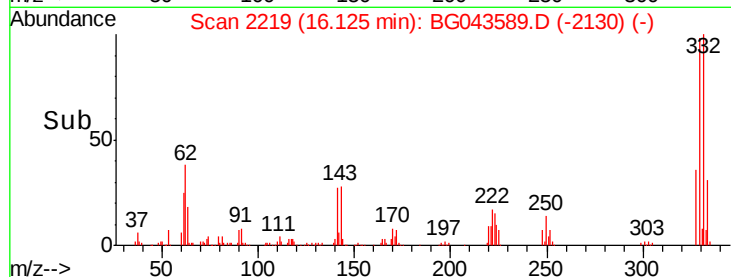
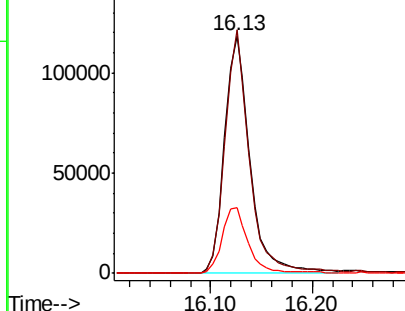


Abundance

Ion 329.80 (329.50 to 330.50): E

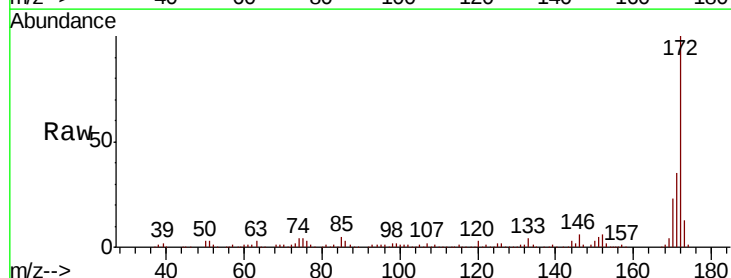
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.773 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043589.D
 Acq: 11 Nov 2019 18:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.9	43.3
170	23.0	18.5	27.7

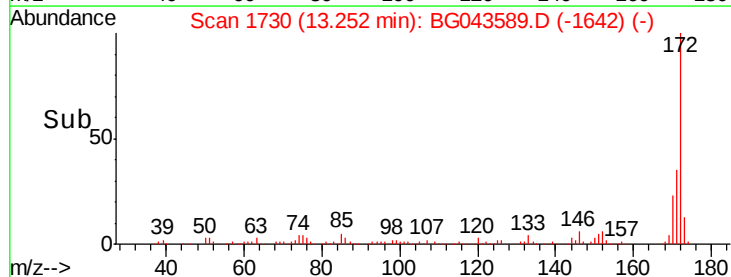
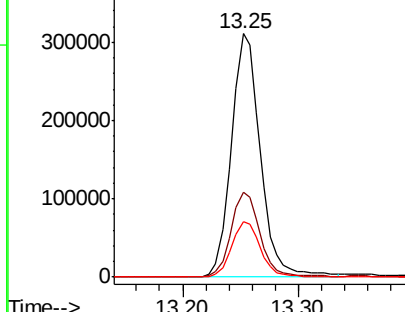


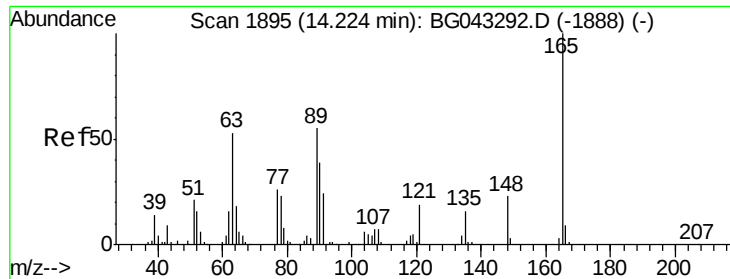
Abundance

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: 8.010 ng

RT: 14.63 min Scan# 1965

Delta R.T. 0.42 min

Lab File: BG043589.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA_G

ClientSampleId :

PB124674BL

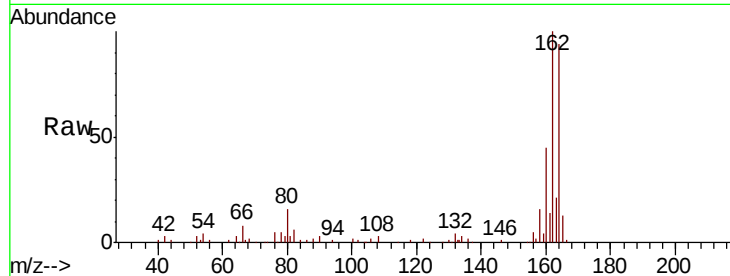
Tot Ion:165 Resp: 11756

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

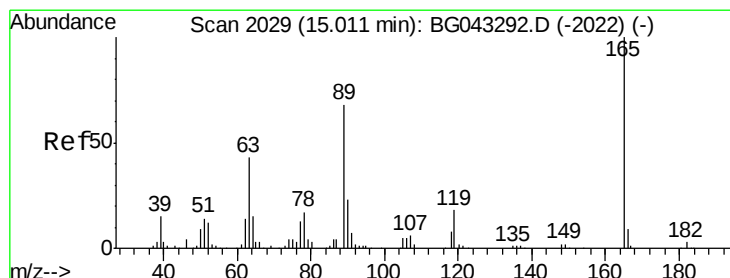
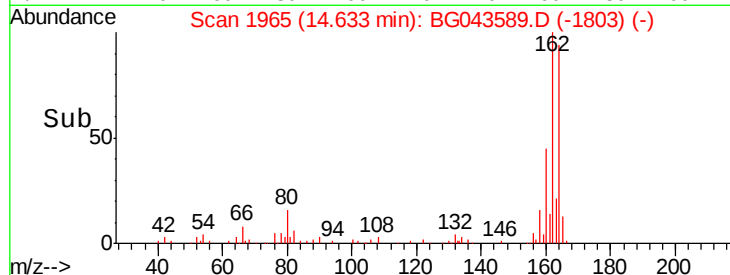
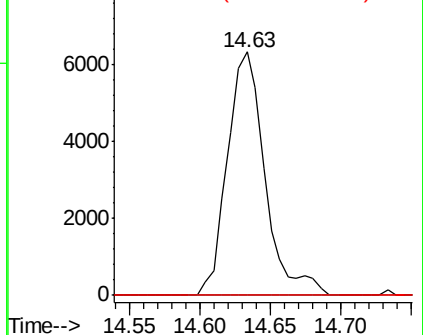
89 0.0 45.1 67.7#



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: 5.605 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.37 min

Lab File: BG043589.D

Acq: 11 Nov 2019 18:41

Tgt Ion:165 Resp: 11756

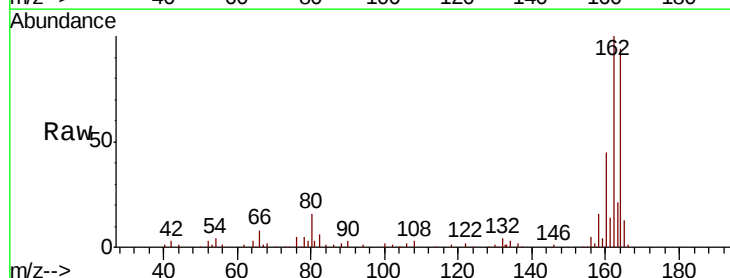
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 0.0 52.2 78.4#

182 0.0 2.0 3.0#

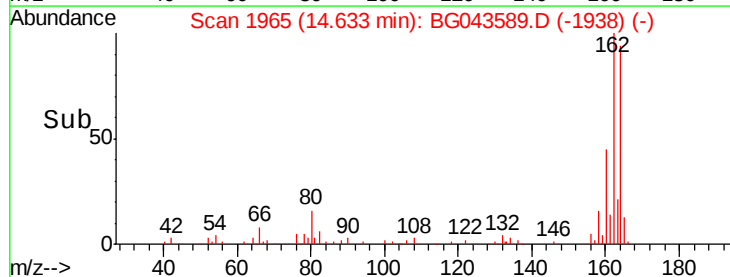
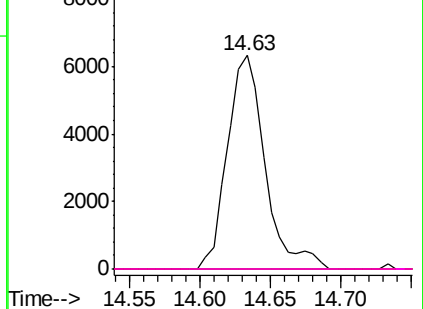


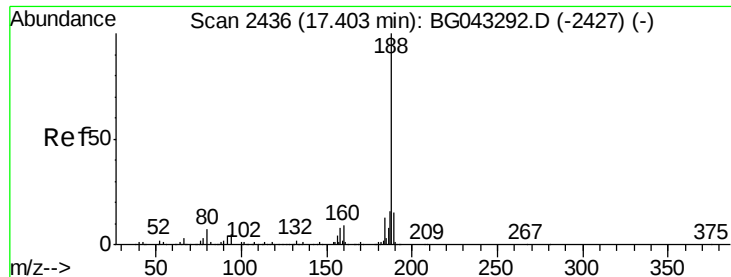
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043589.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA_G

ClientSampleId :

PB124674BL

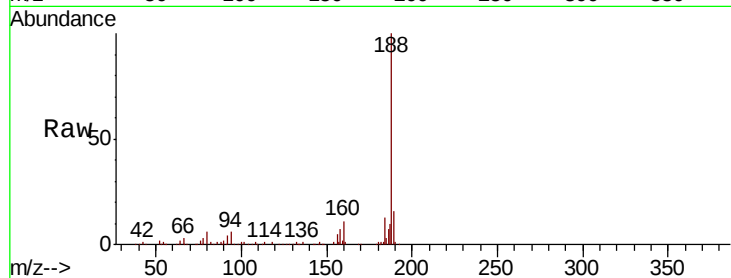
Tot Ion:188 Resp: 226726

Ion Ratio Lower Upper

188 100

94 6.3 4.2 6.4

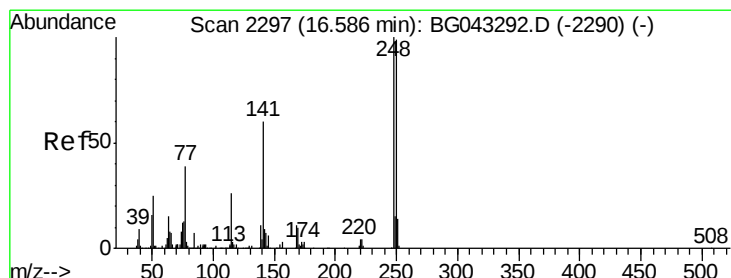
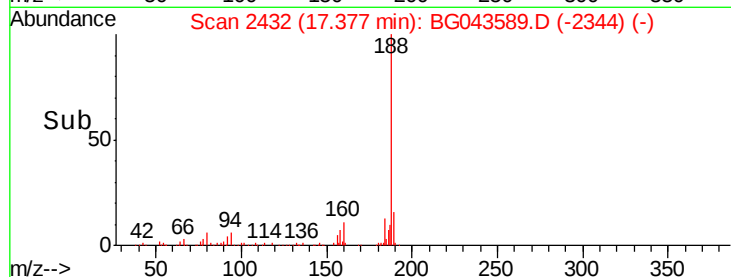
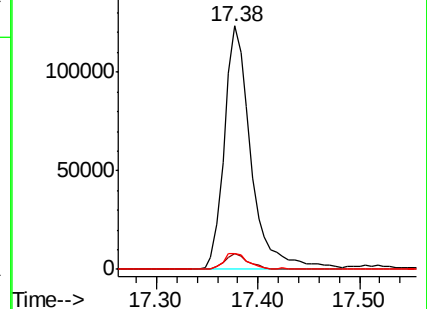
80 6.5 4.5 6.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.402 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG043589.D

Acq: 11 Nov 2019 18:41

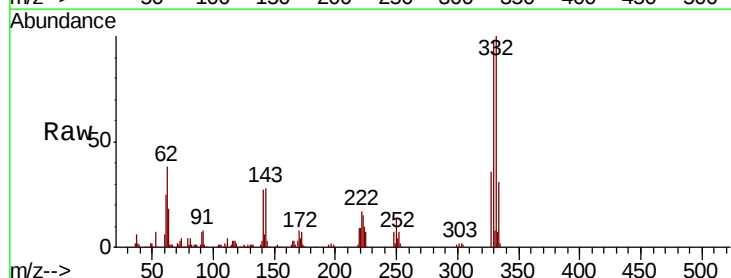
Tgt Ion:248 Resp: 13433

Ion Ratio Lower Upper

248 100

250 200.4 77.0 115.4#

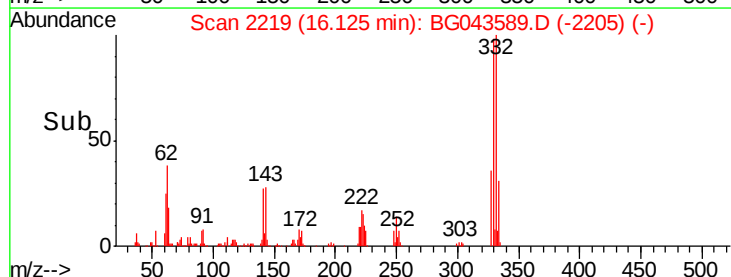
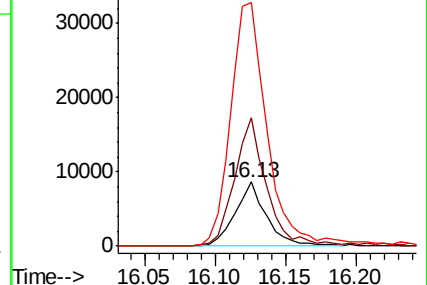
141 378.8 47.5 71.3#

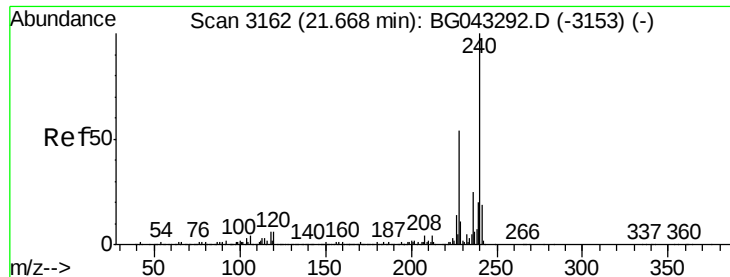


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

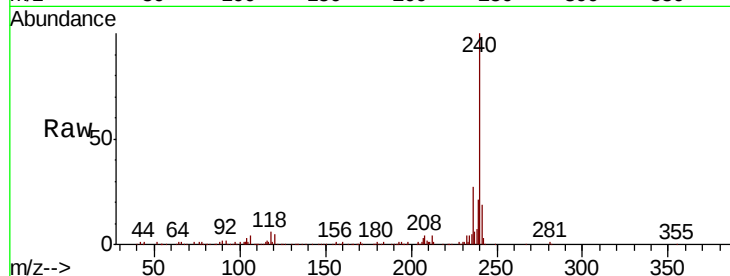




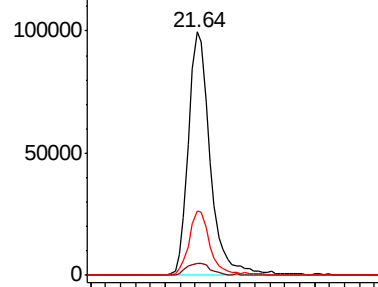
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BG043589.D
Acq: 11 Nov 2019 18:41

Instrument :
BNA_G
ClientSampleId :
PB124674BL

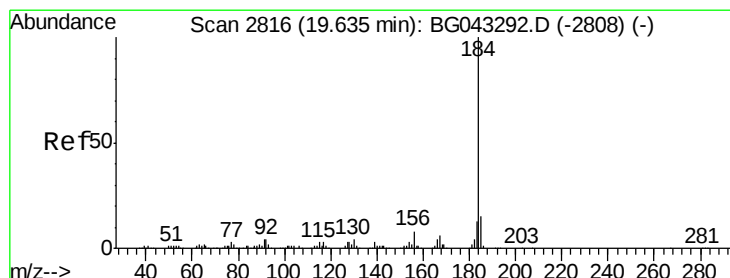
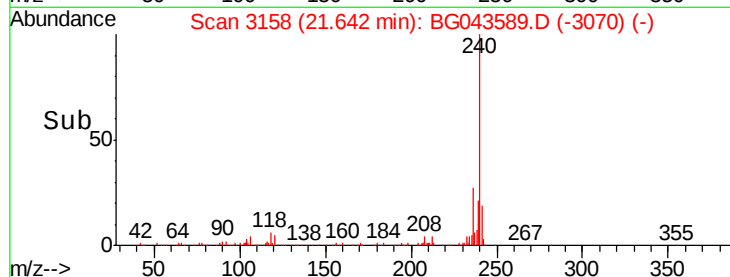
Tot Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.6	6.8
236	26.7	19.8	29.8



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

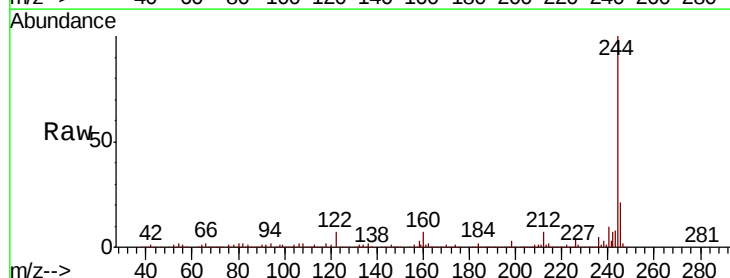


Time--> 21.50 21.60 21.70 21.80

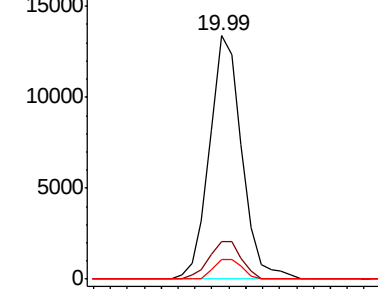


#77
Benzidine
Concen: 4.336 ng
RT: 19.99 min Scan# 2876
Delta R.T. 0.36 min
Lab File: BG043589.D
Acq: 11 Nov 2019 18:41

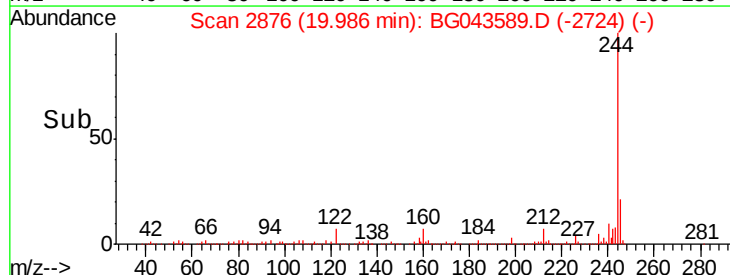
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.0	16.4
183	7.8	10.0	15.0#

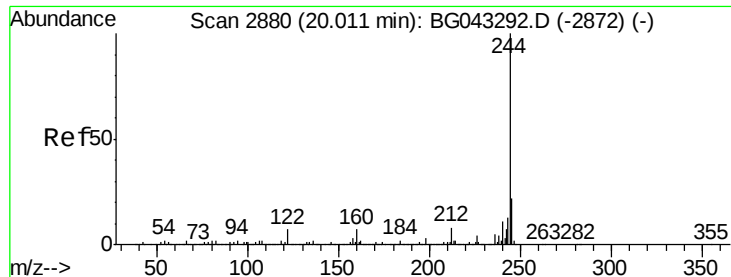


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time--> 19.95 20.00 20.05





#79

Terphenyl-d14

Concen: 108.326 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG043589.D

Acq: 11 Nov 2019 18:41

Instrument :

BNA_G

ClientSampleId :

PB124674BL

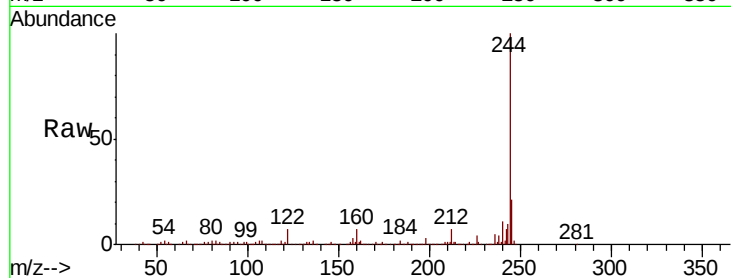
Tot Ion:244 Resp: 1174323

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

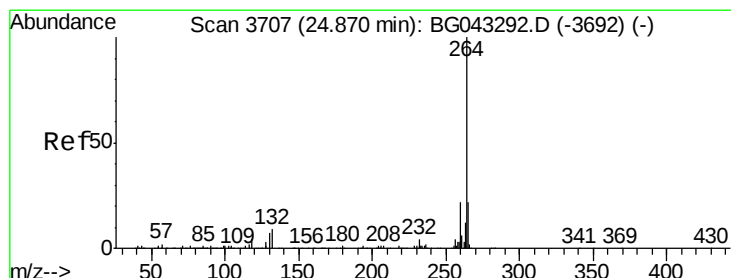
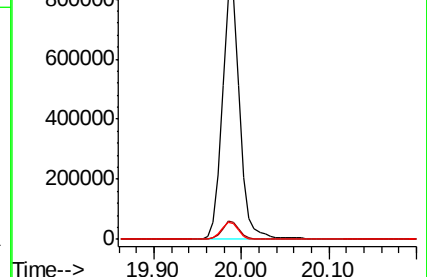
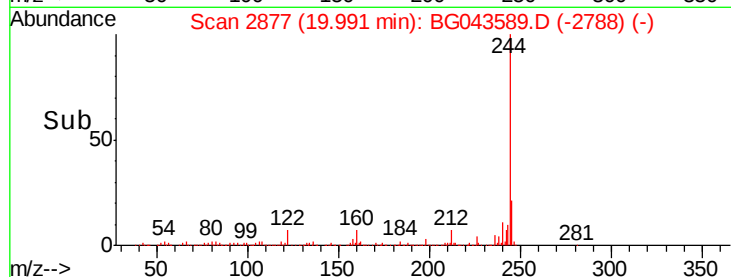
122 6.7 5.4 8.2



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: 24.83 min Scan# 3700

Delta R.T. -0.03 min

Lab File: BG043589.D

Acq: 11 Nov 2019 18:41

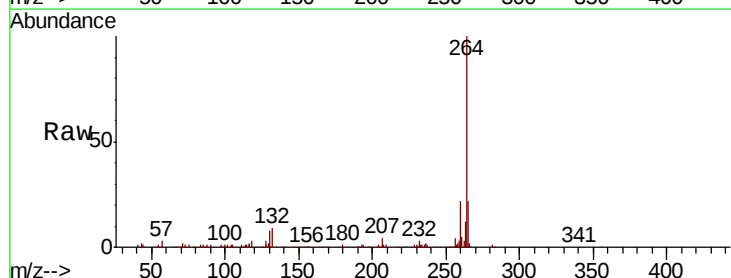
Tgt Ion:264 Resp: 242035

Ion Ratio Lower Upper

264 100

260 21.6 17.5 26.3

265 22.1 17.4 26.0



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

