

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090419\
 Data File : BG042707.D
 Acq On : 4 Sep 2019 14:47
 Operator : HP/JU
 Sample : PB122759TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 18:01:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

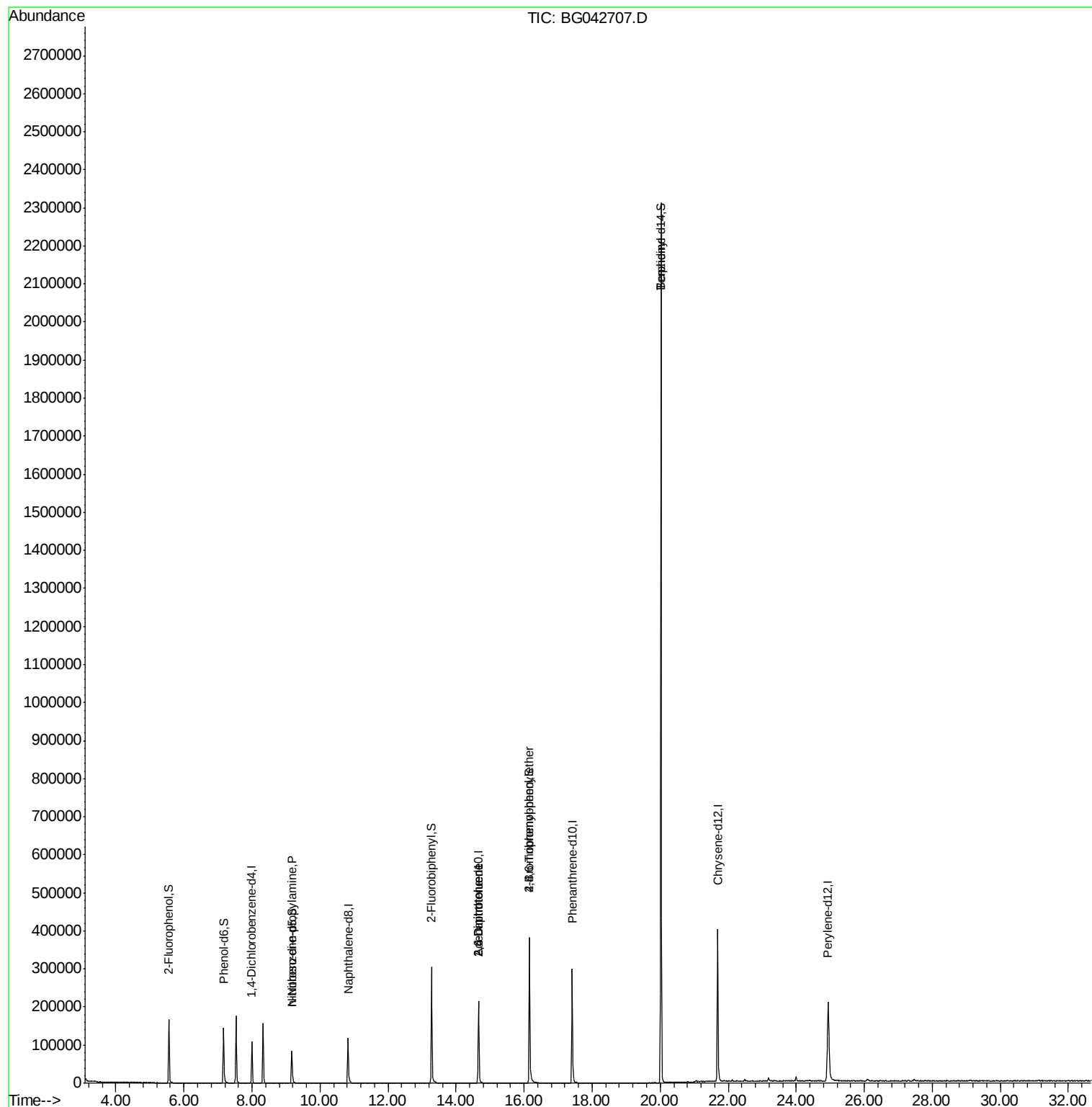
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	36241	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	136595	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	102382	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	243525	20.00	ng	0.00
76) Chrysene-d12	21.69	240	275219	20.00	ng	0.00
87) Perylene-d12	24.94	264	316961	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	86698	48.45	ng	0.00
7) Phenol-d6	7.16	99	106156	43.92	ng	-0.01
23) Nitrobenzene-d5	9.17	82	60737	30.73	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	126628	87.02	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	218230	36.05	ng	0.00
79) Terphenyl-d14	20.03	244	1286302	101.04	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	7632	4.874	ng	# 81
51) 2,6-Dinitrotoluene	14.66	165	13292	7.763	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	13292	5.421	ng	# 38
67) 4-Bromophenyl-phenylether	16.16	248	8358	2.706	ng	# 1
77) Benzidine	20.03	184	16202	2.053	ng	# 95

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

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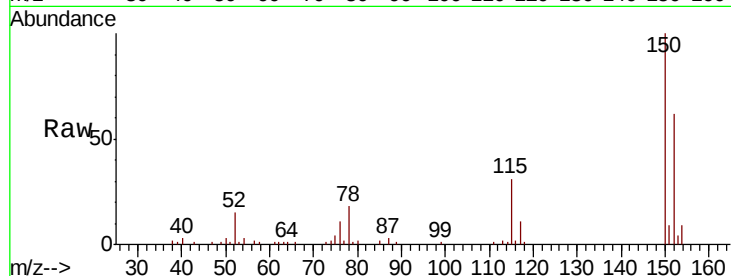


#1

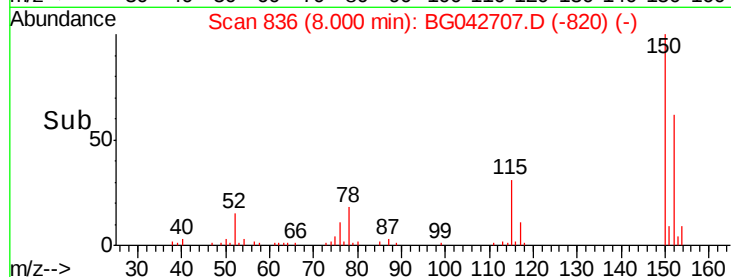
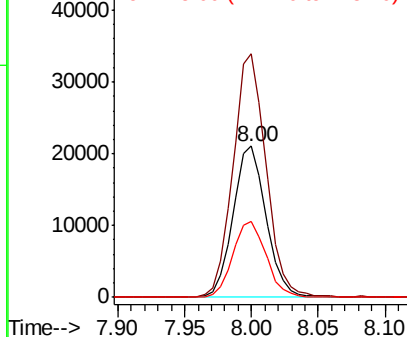
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042707.D
Acq: 4 Sep 2019 14:47

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 36241
Ion Ratio Lower Upper
152 100
150 161.0 125.4 188.0
115 50.5 38.5 57.7



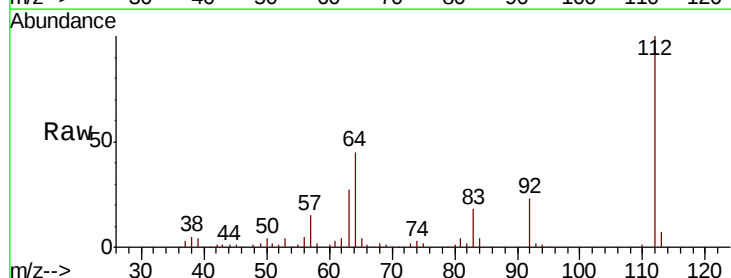
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



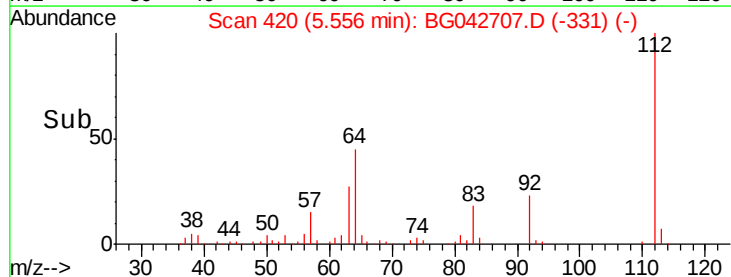
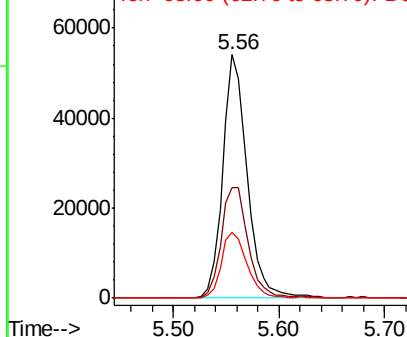
#5

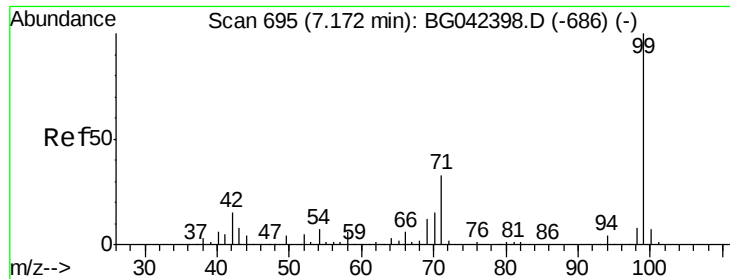
2-Fluorophenol
Concen: 48.450 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042707.D
Acq: 4 Sep 2019 14:47

Tgt Ion:112 Resp: 86698
Ion Ratio Lower Upper
112 100
64 45.2 42.8 64.2
63 27.0 22.7 34.1



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: 43.919 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042707.D

Acq: 4 Sep 2019 14:47

Instrument :

BNA_G

ClientSampleId :

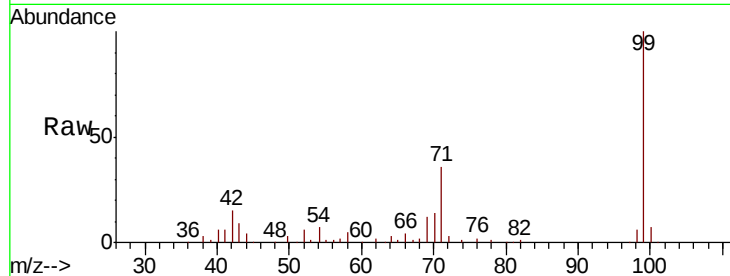
Tot Ion: 99 Resp: 106156

Ion Ratio Lower Upper

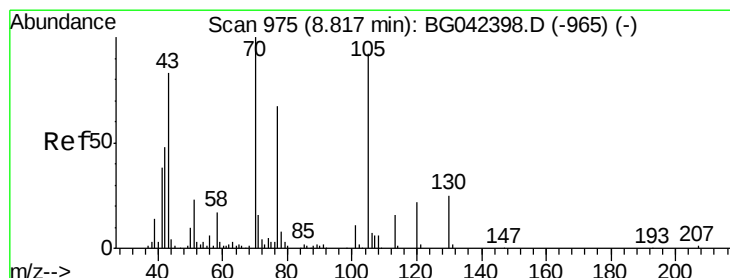
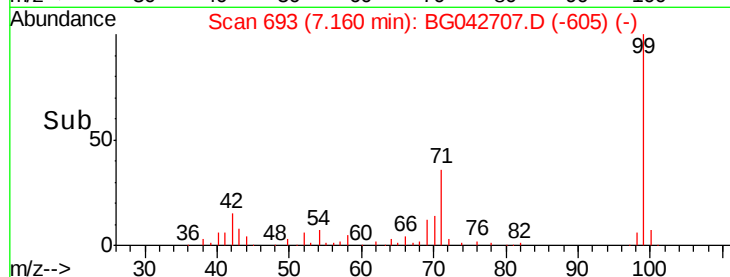
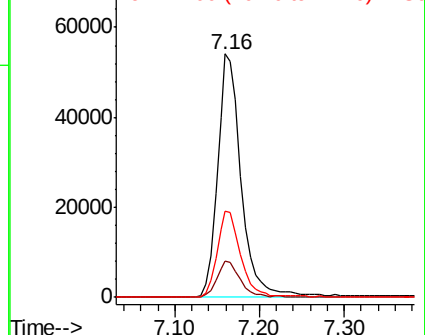
99 100

42 14.8 12.0 18.0

71 35.5 26.3 39.5



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: 4.874 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042707.D

Acq: 4 Sep 2019 14:47

Tgt Ion: 70 Resp: 7632

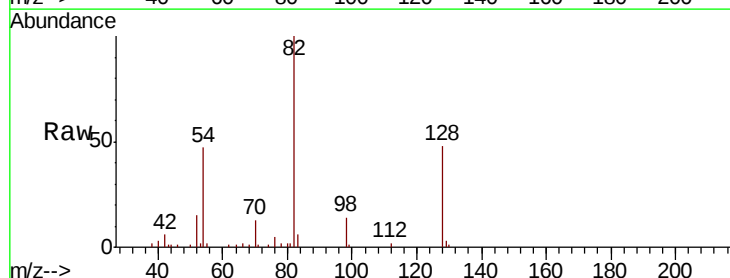
Ion Ratio Lower Upper

70 100

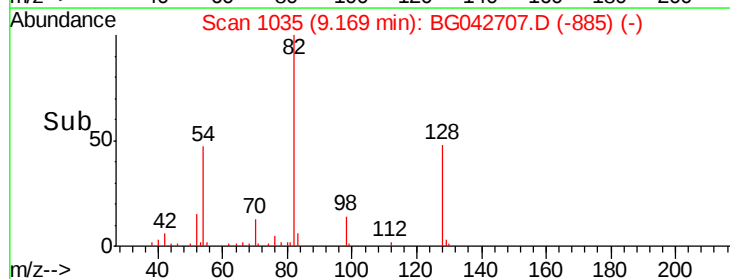
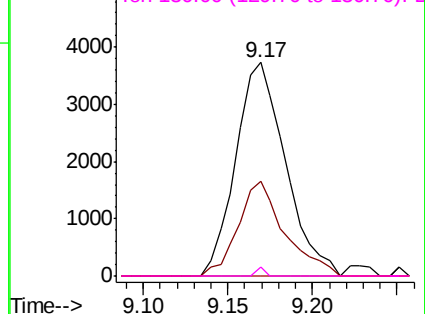
42 44.4 38.8 58.2

101 0.0 9.0 13.6#

130 4.5 20.0 30.0#



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

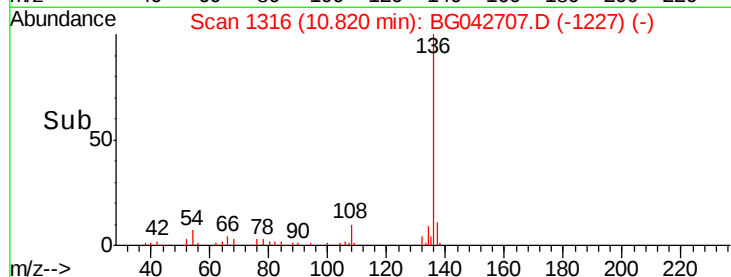
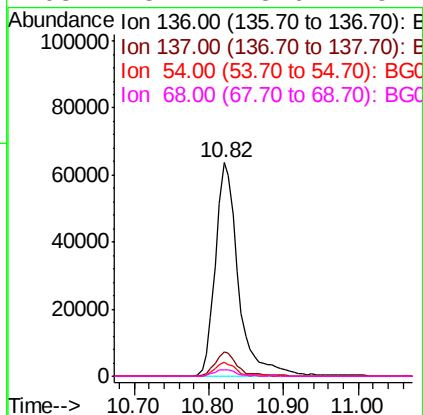
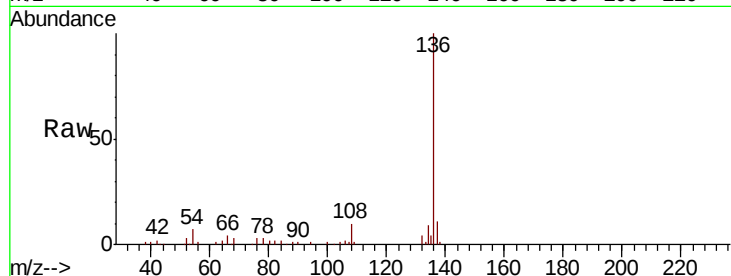




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042707.D
Acq: 4 Sep 2019 14:47

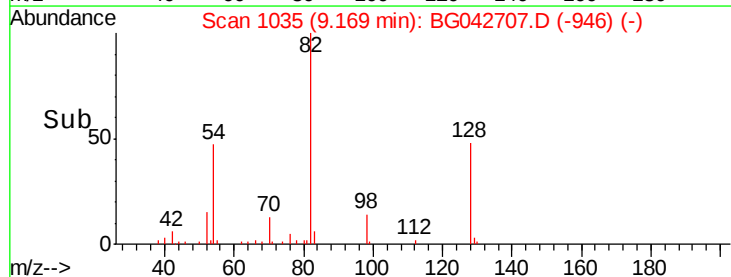
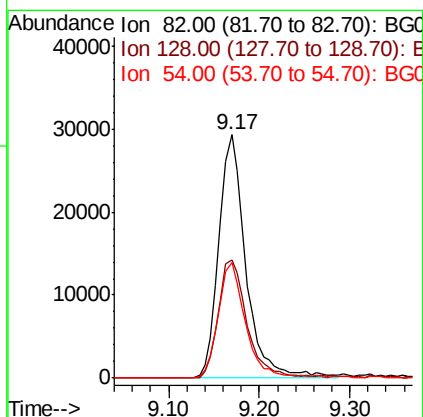
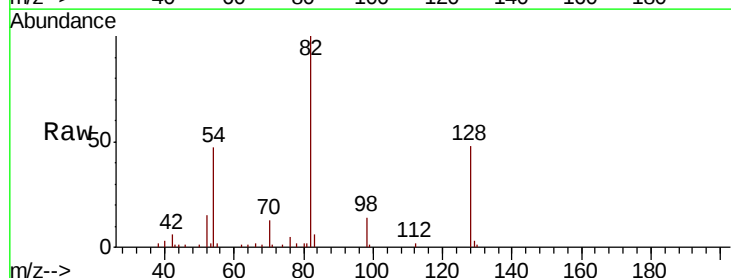
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	136595
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.7 13.1
54	6.6	4.9 7.3
68	3.1	3.6 5.4



#23
Nitrobenzene-d5
Concen: 30.727 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042707.D
Acq: 4 Sep 2019 14:47

Tgt Ion: 82	Resp:	60737
Ion	Ratio	Lower Upper
82	100	
128	48.3	40.7 61.1
54	47.3	36.3 54.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042707.D

Acq: 4 Sep 2019 14:47

Instrument :

BNA_G

ClientSampleId :

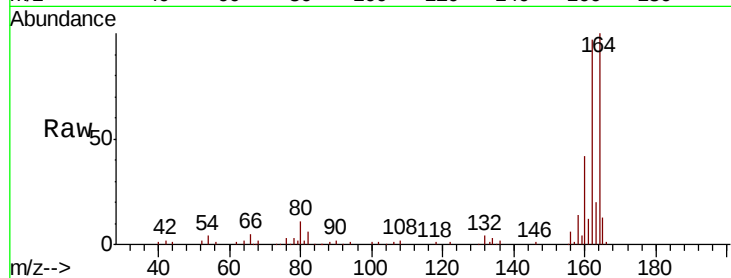
Tot Ion:164 Resp: 102382

Ion Ratio Lower Upper

164 100

162 97.0 79.9 119.9

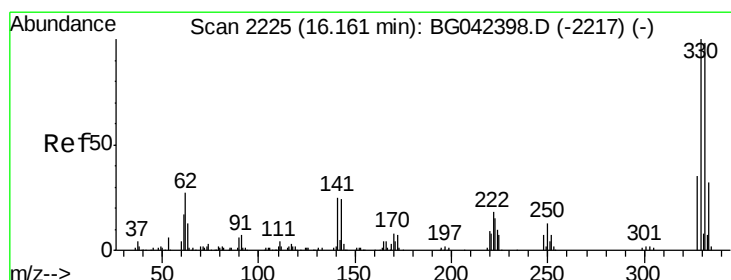
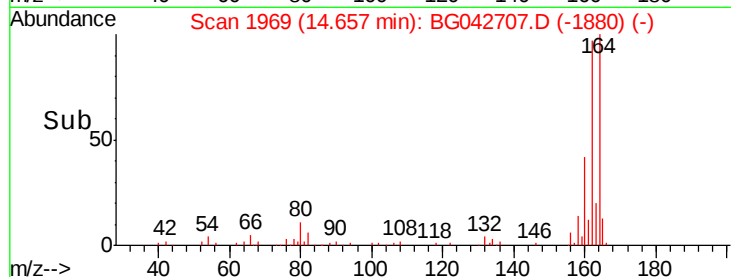
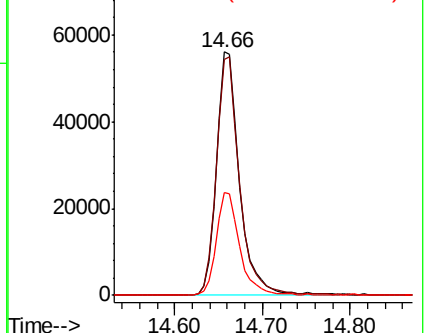
160 42.4 34.3 51.5



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: 87.018 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042707.D

Acq: 4 Sep 2019 14:47

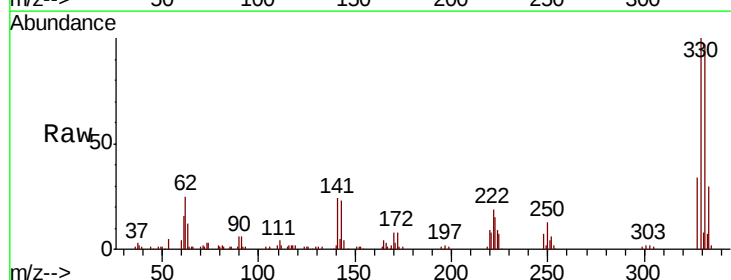
Tgt Ion:330 Resp: 126628

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

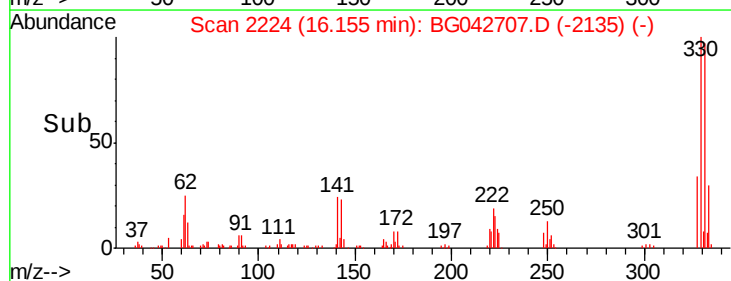
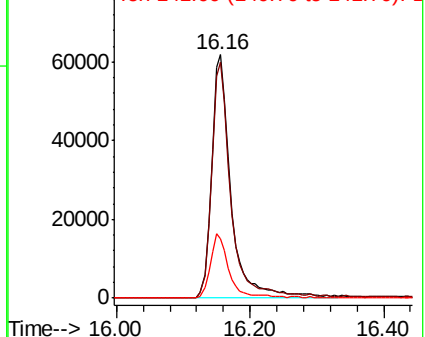
141 24.8 21.4 32.0

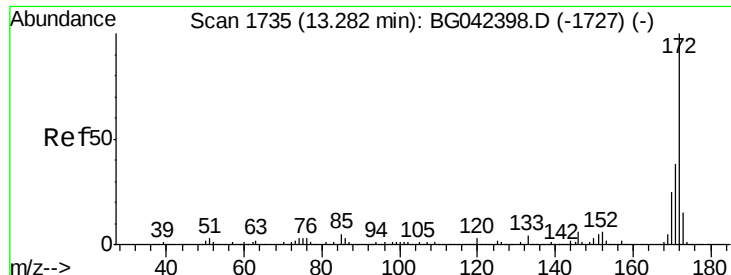


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

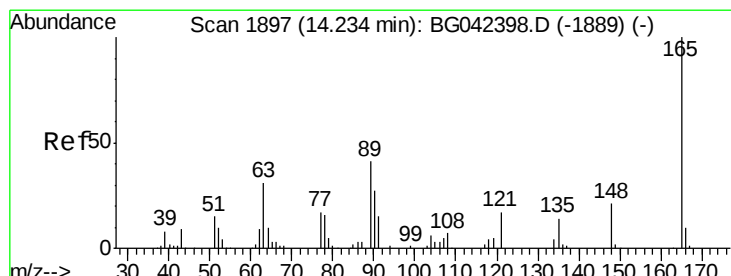
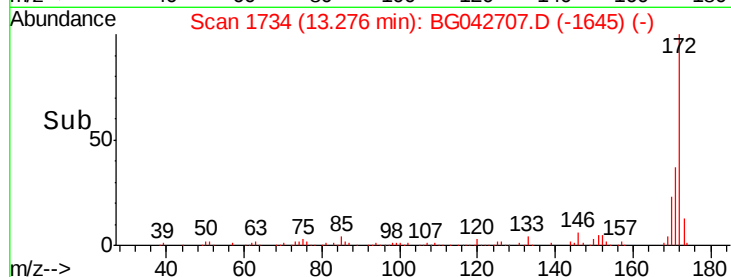
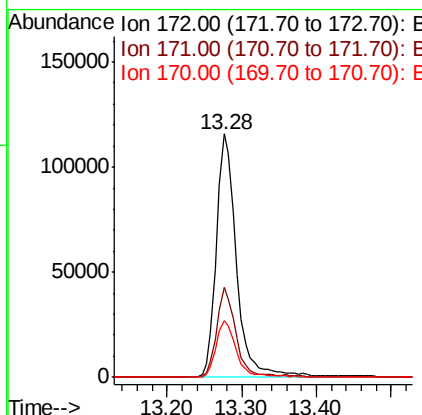
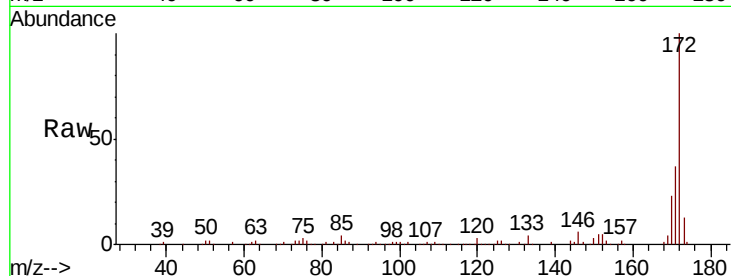




#45
 2-Fluorobiphenyl
 Concen: 36.050 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042707.D
 Acq: 4 Sep 2019 14:47

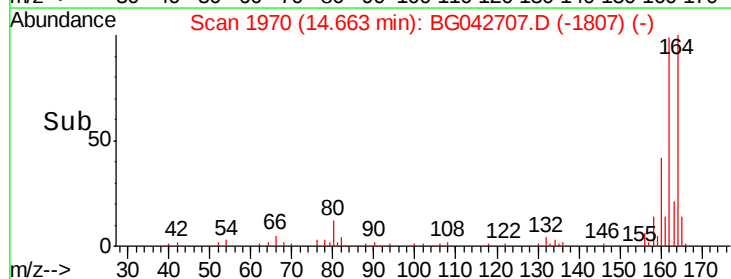
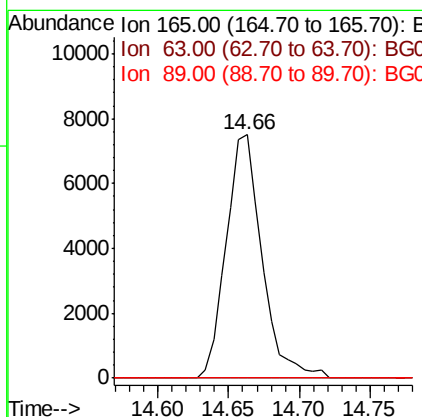
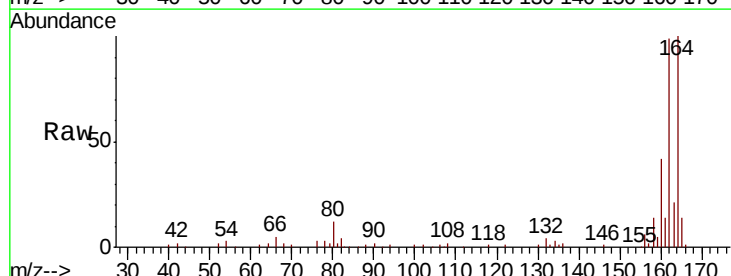
Instrument :
 BNA_G
 ClientSampleId :

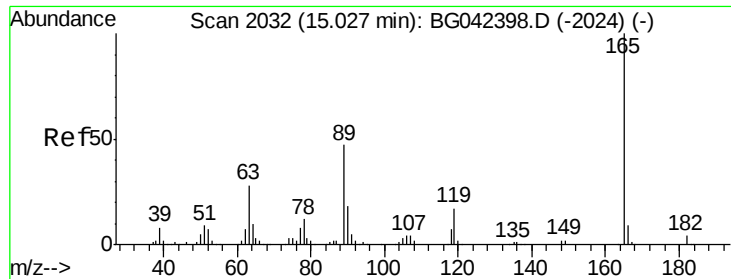
Tot Ion:172 Resp: 218230
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.5 45.7
 170 23.5 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.763 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042707.D
 Acq: 4 Sep 2019 14:47

Tgt Ion:165 Resp: 13292
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.6 45.8#
 89 0.0 32.6 49.0#

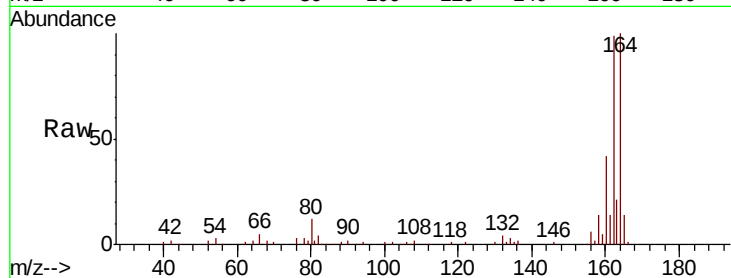




#57
 2,4-Dinitrotoluene
 Concen: 5.421 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042707.D
 Acq: 4 Sep 2019 14:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#



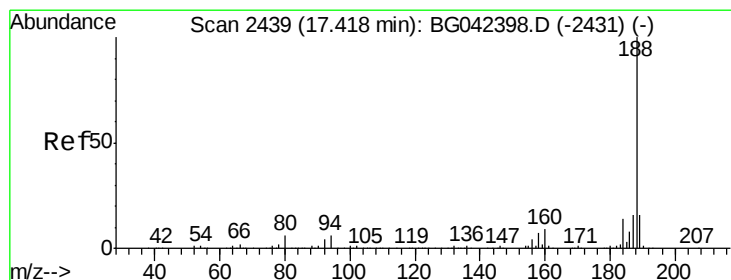
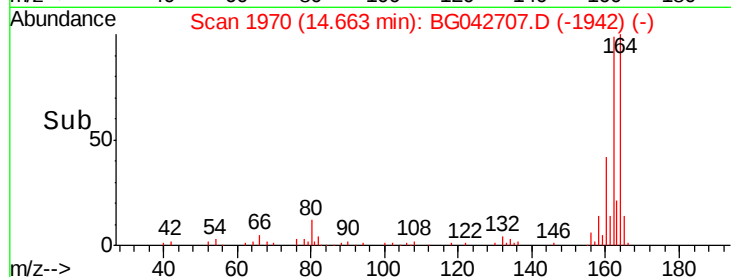
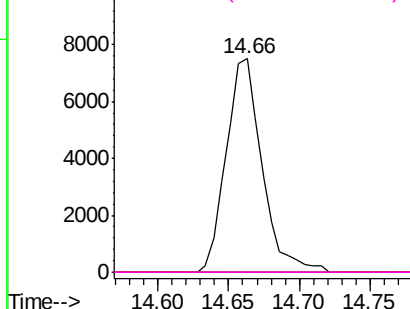
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

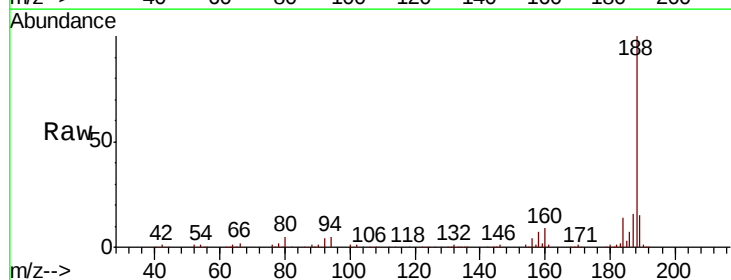
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042707.D
 Acq: 4 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.0	4.5	6.7
80	4.9	4.9	7.3

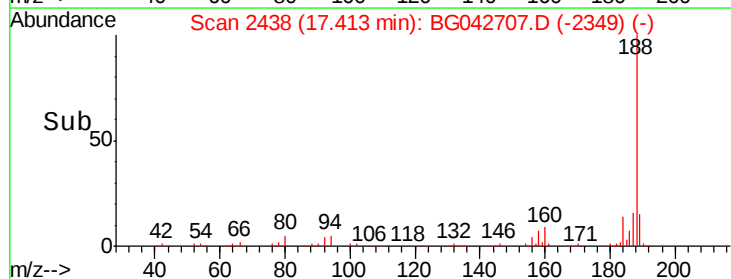
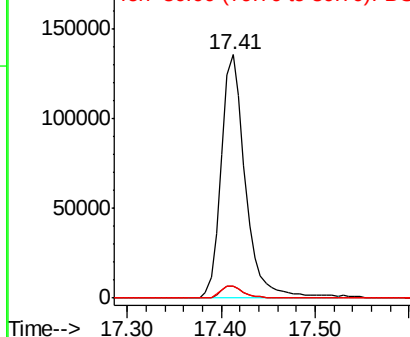


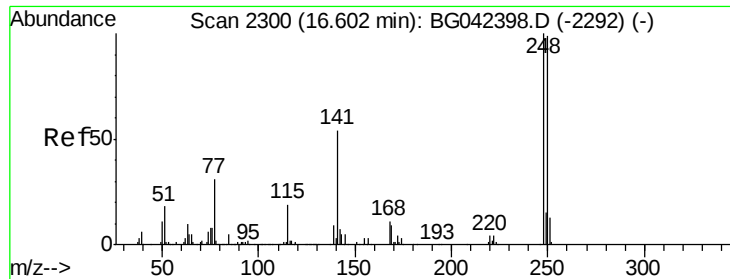
Abundance

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

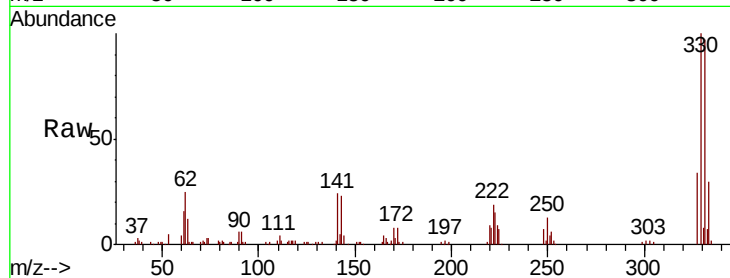




#67
 4-Bromophenyl-phenylether
 Concen: 2.706 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042707.D
 Acq: 4 Sep 2019 14:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	178.3	78.9	118.3#
141	333.5	43.3	64.9#

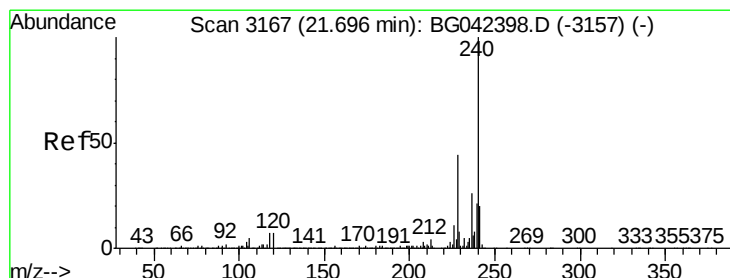
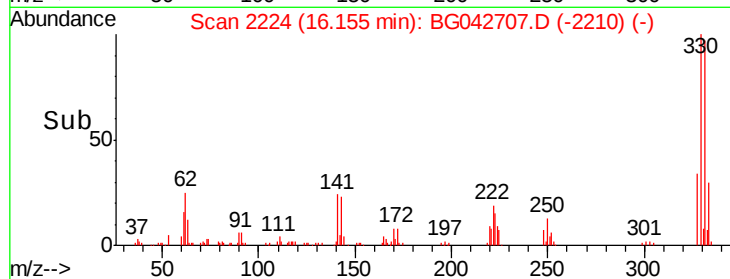
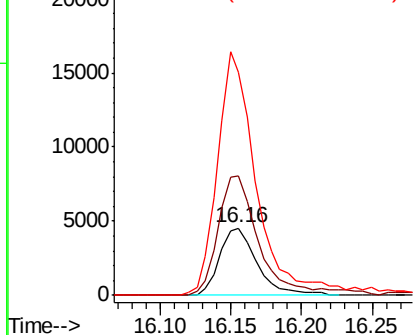


Abundance

Ion 248.00 (247.70 to 248.70): E

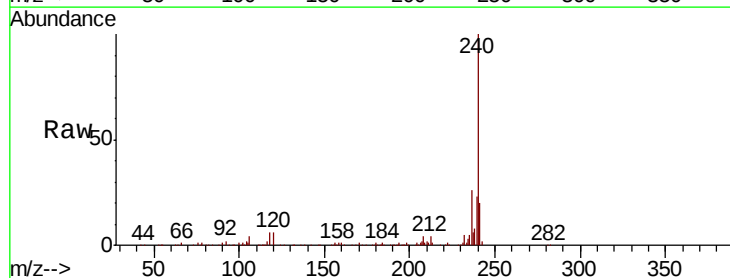
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG042707.D
 Acq: 4 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.7	8.5
236	25.5	21.0	31.4

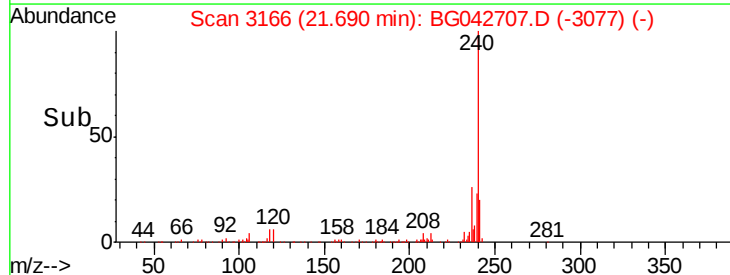
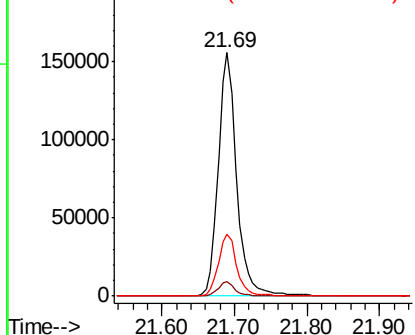


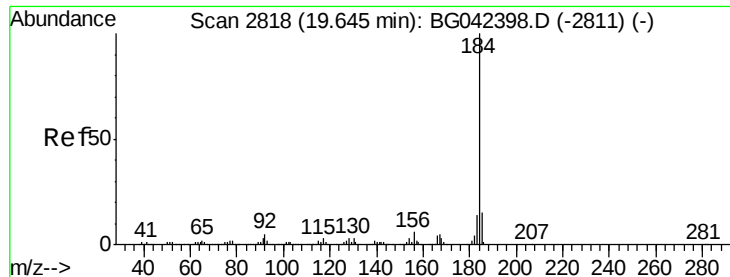
Abundance

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: 2.053 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042707.D

Acq: 4 Sep 2019 14:47

Instrument :

BNA_G

ClientSampleId :

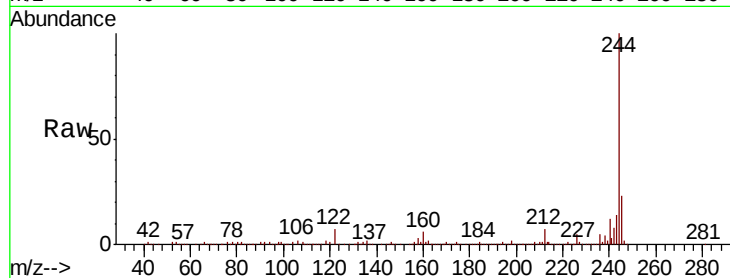
Tot Ion:184 Resp: 16202

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.4

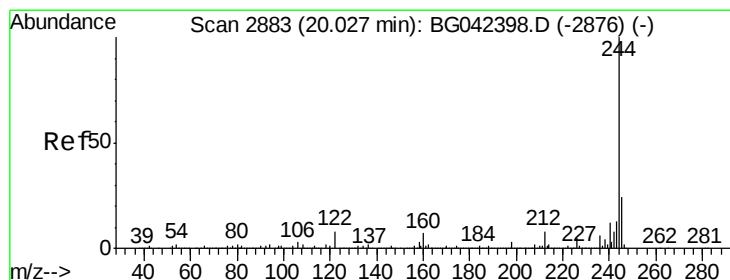
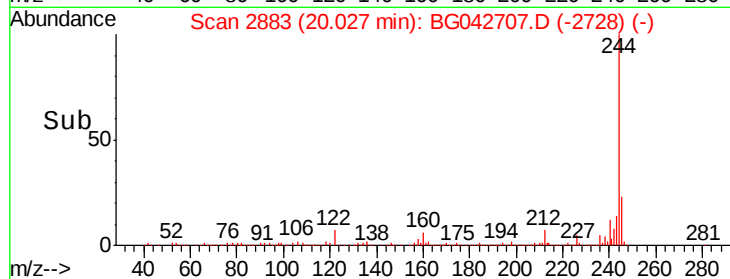
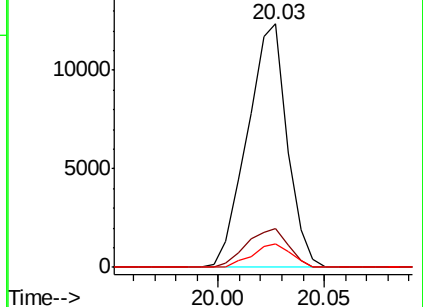
183 9.4 10.8 16.2#



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: 101.042 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042707.D

Acq: 4 Sep 2019 14:47

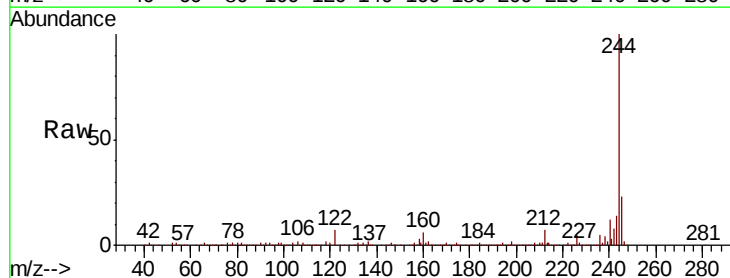
Tgt Ion:244 Resp: 1286302

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

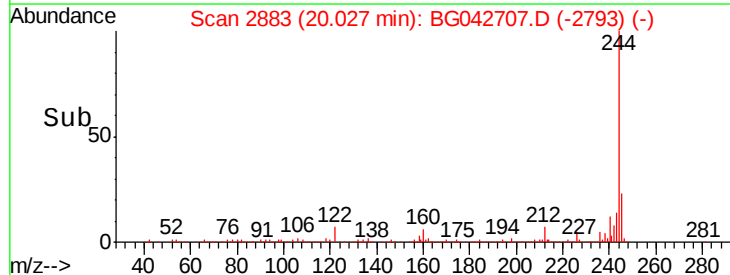
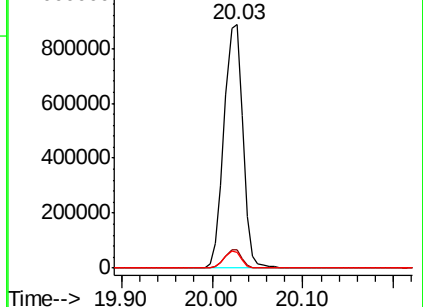
122 6.6 6.7 10.1#

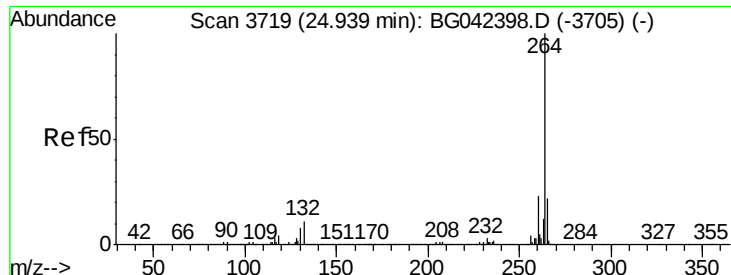


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlone-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. -0.00 min
Lab File: BG042707.D
Acq: 4 Sep 2019 14:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.5	27.7
265	21.2	17.6	26.4

