

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090419\
 Data File : BG042704.D
 Acq On : 4 Sep 2019 12:52
 Operator : HP/JU
 Sample : PB122757BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 18:00:25 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

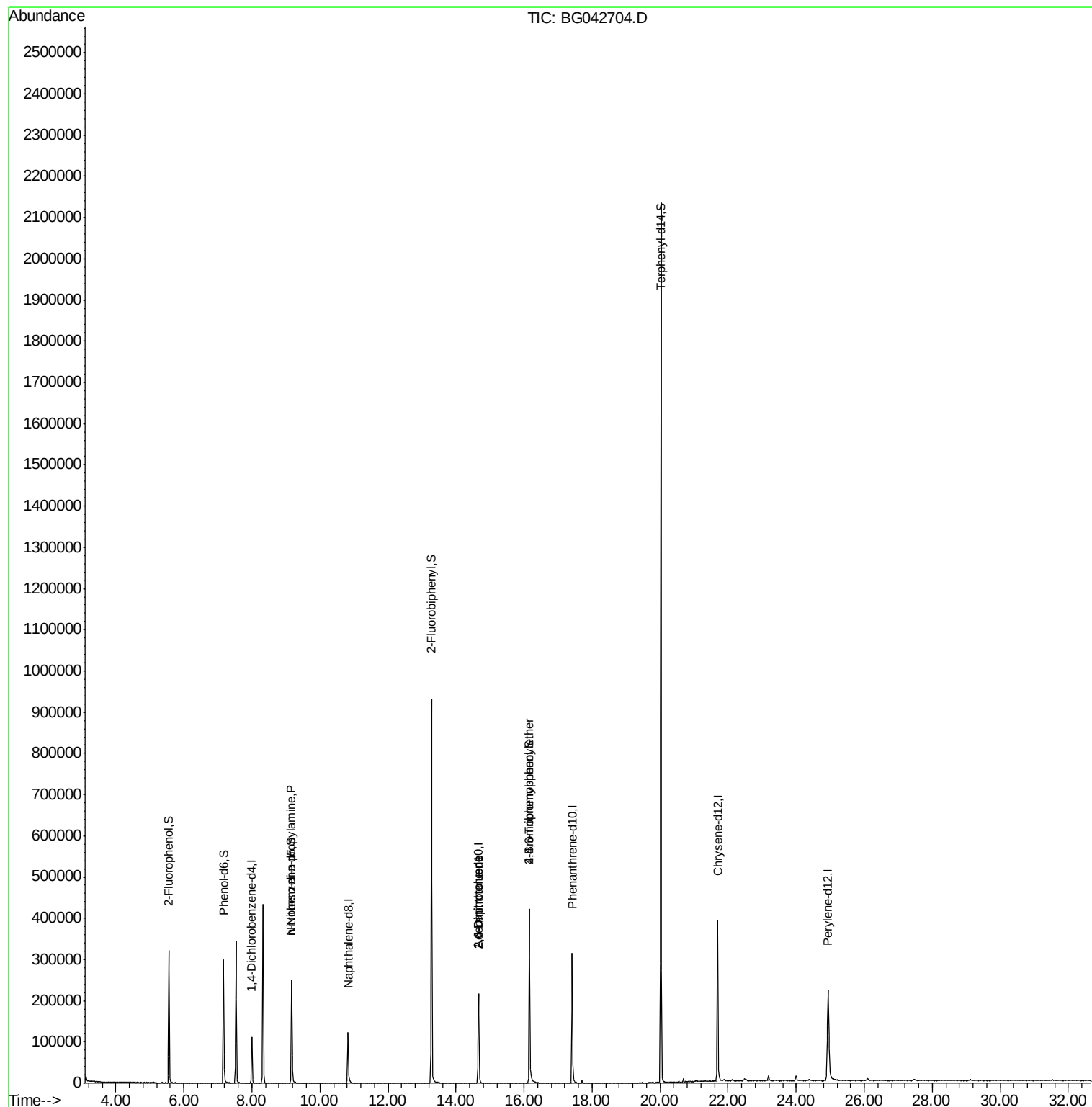
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	38068	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	137538	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	103062	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	249598	20.00	ng	0.00
76) Chrysene-d12	21.69	240	281588	20.00	ng	0.00
87) Perylene-d12	24.93	264	320612	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	162463	86.43	ng	0.00
7) Phenol-d6	7.17	99	204436	80.52	ng	0.00
23) Nitrobenzene-d5	9.16	82	169974	85.40	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	131394	89.70	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	581649	95.45	ng	0.00
79) Terphenyl-d14	20.02	244	1163819	89.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	22928	13.939	ng	# 72
51) 2,6-Dinitrotoluene	14.66	165	13511	7.838	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	13511	5.474	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	8665	2.737	ng	# 1

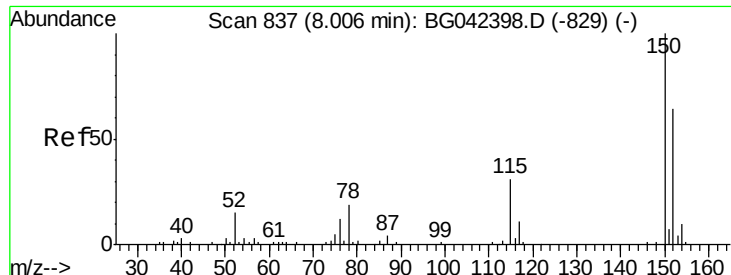
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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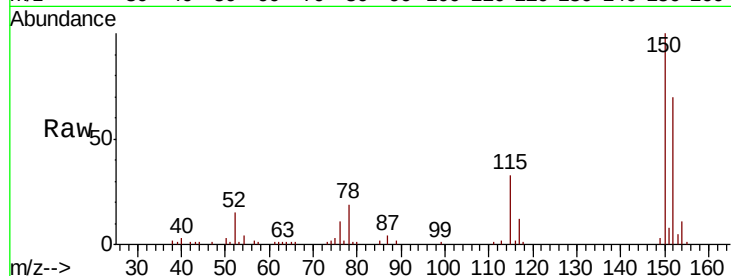


#1

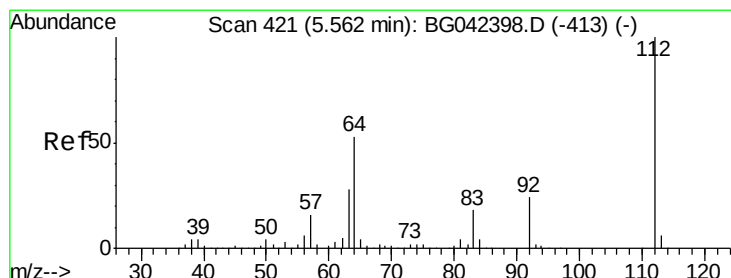
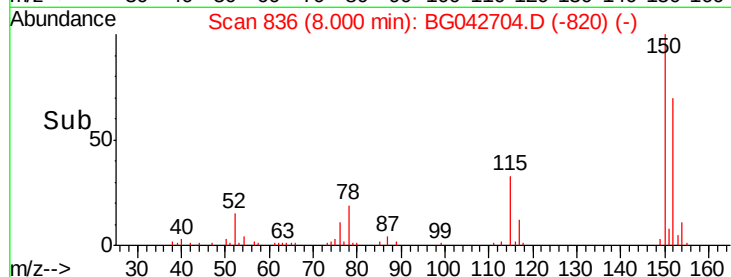
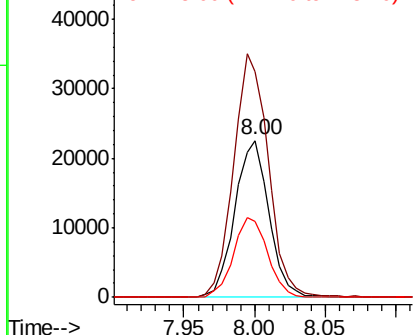
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042704.D
Acq: 4 Sep 2019 12:52

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 38068
Ion Ratio Lower Upper
152 100
150 143.9 125.4 188.0
115 48.1 38.5 57.7



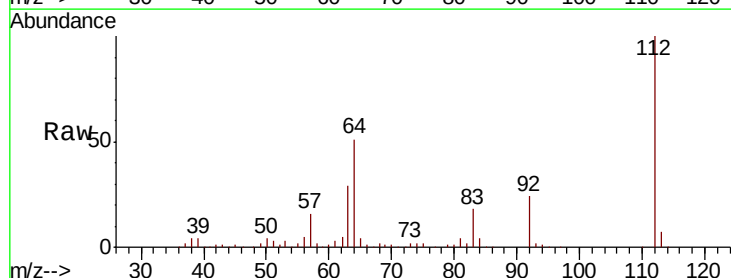
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



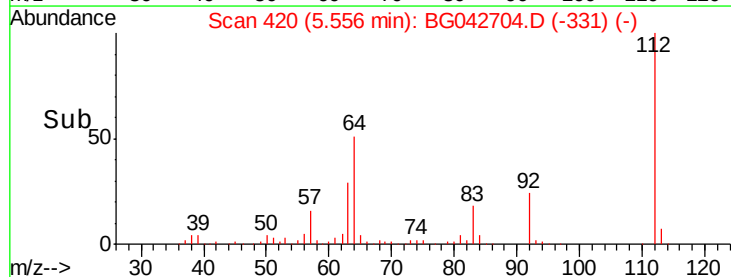
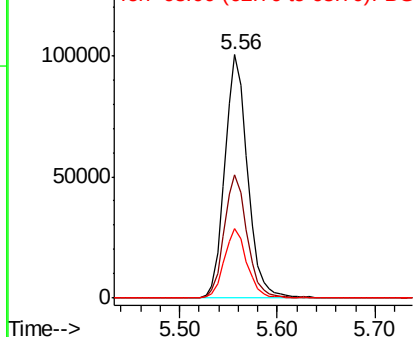
#5

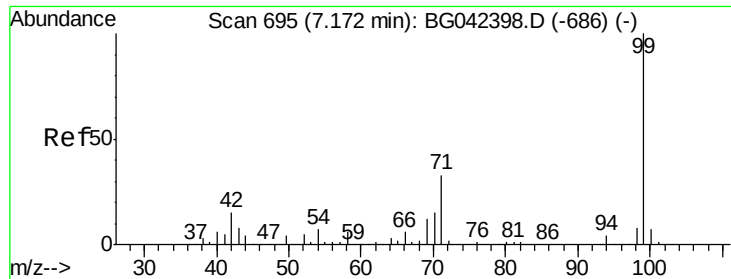
2-Fluorophenol
Concen: 86.433 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042704.D
Acq: 4 Sep 2019 12:52

Tgt Ion:112 Resp: 162463
Ion Ratio Lower Upper
112 100
64 50.6 42.8 64.2
63 28.6 22.7 34.1



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: 80.520 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042704.D

Acq: 4 Sep 2019 12:52

Instrument :

BNA_G

ClientSampled :

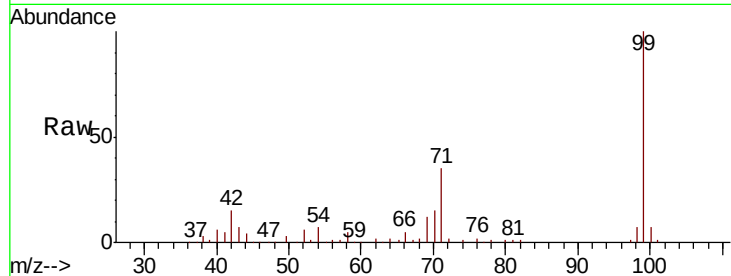
Tot Ion: 99 Resp: 204436

Ion Ratio Lower Upper

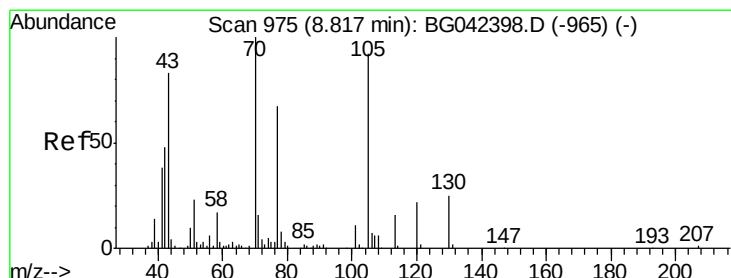
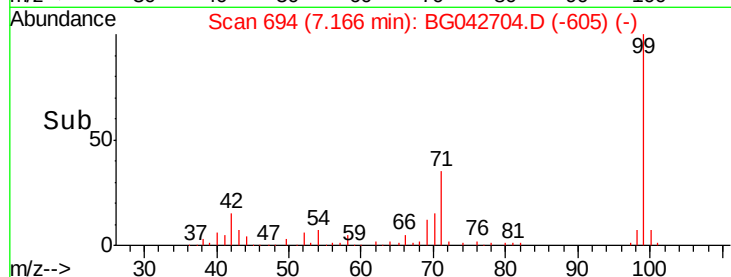
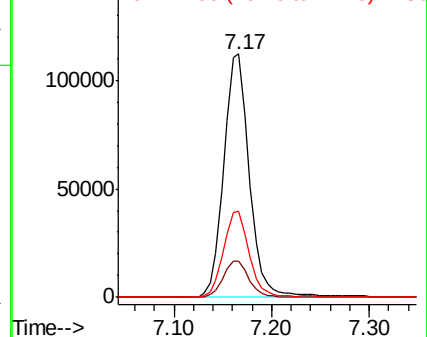
99 100

42 14.9 12.0 18.0

71 35.3 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: 13.939 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042704.D

Acq: 4 Sep 2019 12:52

Tgt Ion: 70 Resp: 22928

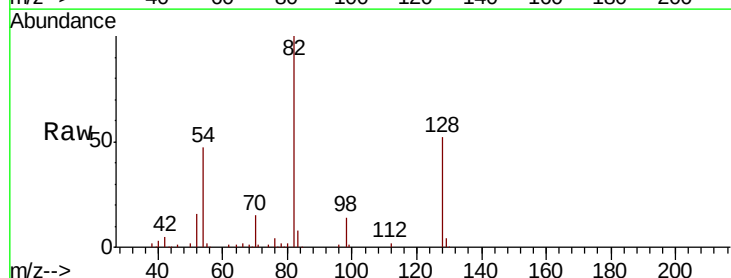
Ion Ratio Lower Upper

70 100

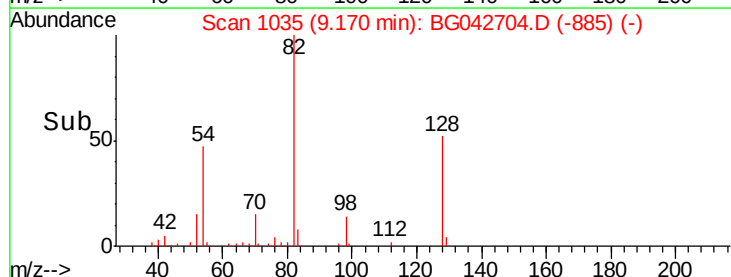
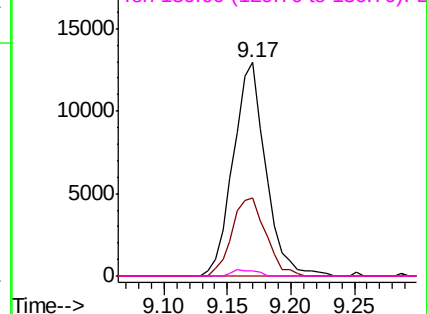
42 36.3 38.8 58.2#

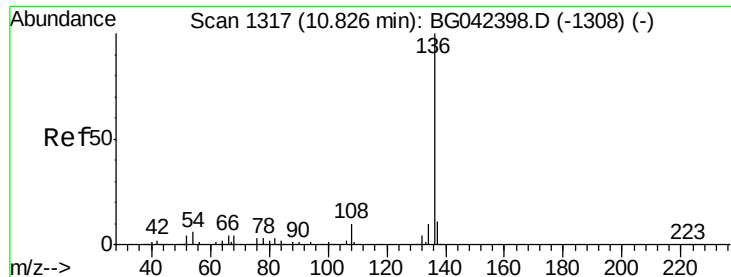
101 0.0 9.0 13.6#

130 2.3 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: BG042704.D

Acq: 4 Sep 2019 12:52

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 137538

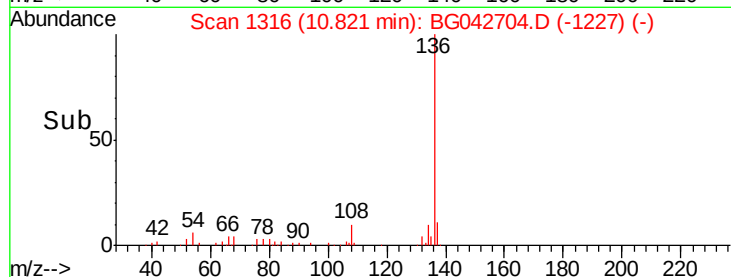
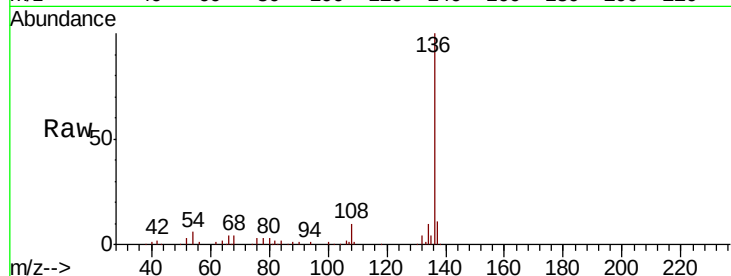
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 5.8 4.9 7.3

68 3.5 3.6 5.4#

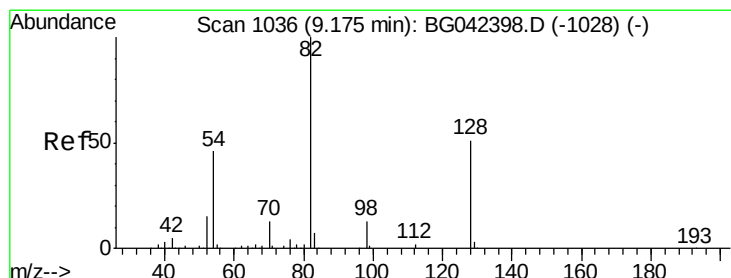
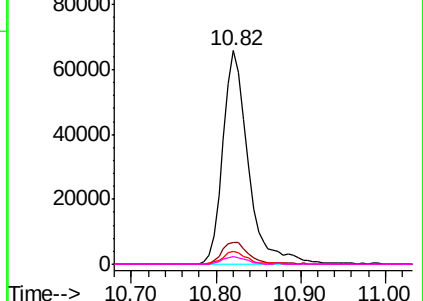


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 85.401 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG042704.D

Acq: 4 Sep 2019 12:52

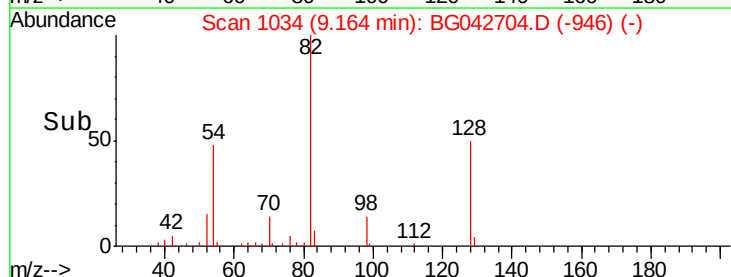
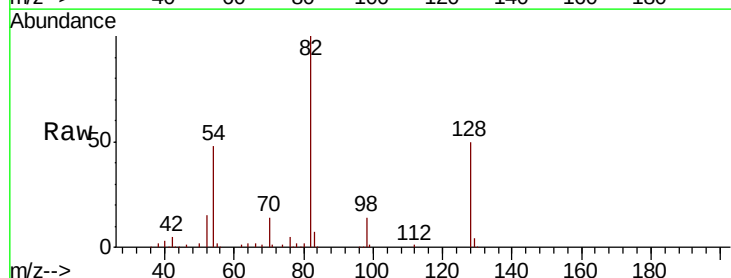
Tgt Ion: 82 Resp: 169974

Ion Ratio Lower Upper

82 100

128 50.0 40.7 61.1

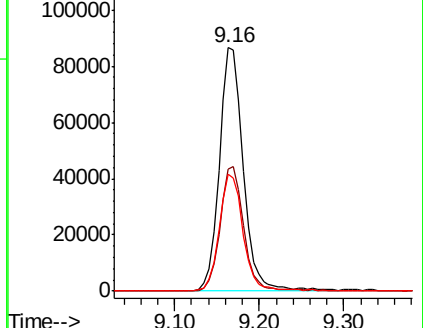
54 48.0 36.3 54.5

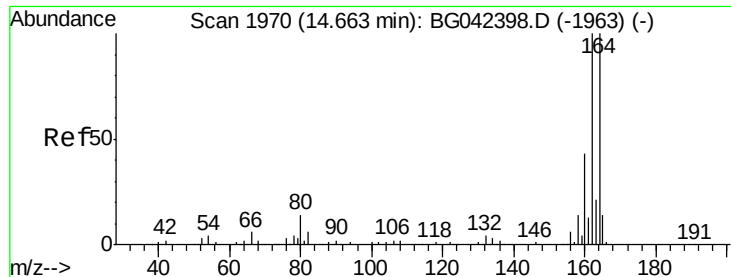


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042704.D

Acq: 4 Sep 2019 12:52

Instrument :

BNA_G

ClientSampleId :

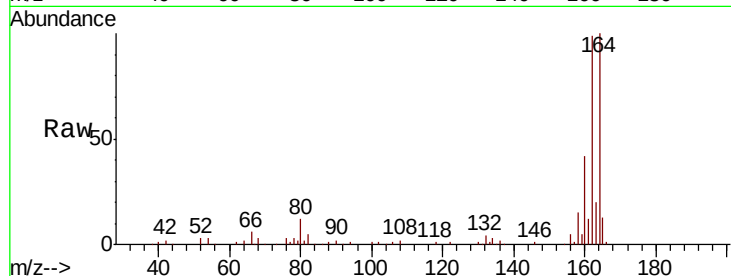
Tot Ion:164 Resp: 103062

Ion Ratio Lower Upper

164 100

162 98.6 79.9 119.9

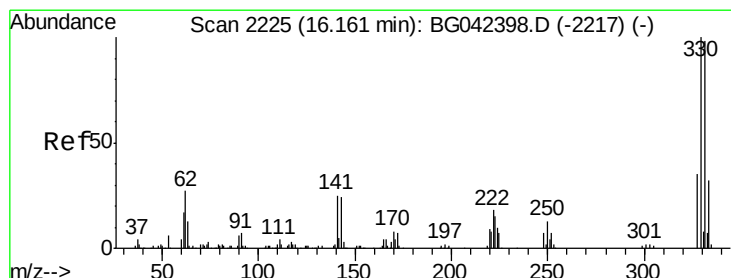
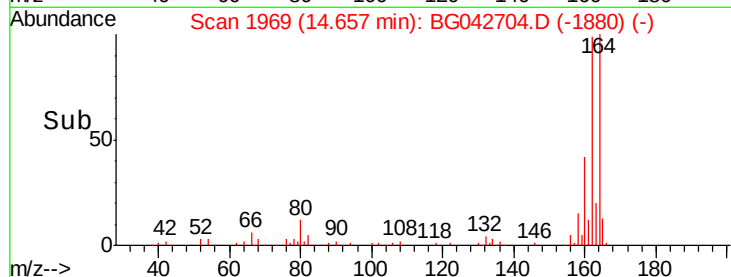
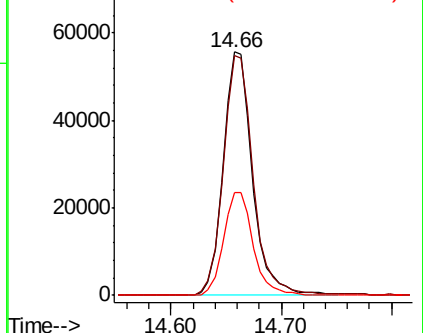
160 42.0 34.3 51.5



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: 89.697 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042704.D

Acq: 4 Sep 2019 12:52

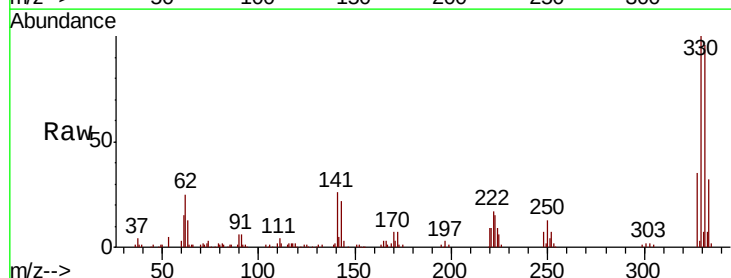
Tgt Ion:330 Resp: 131394

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.0

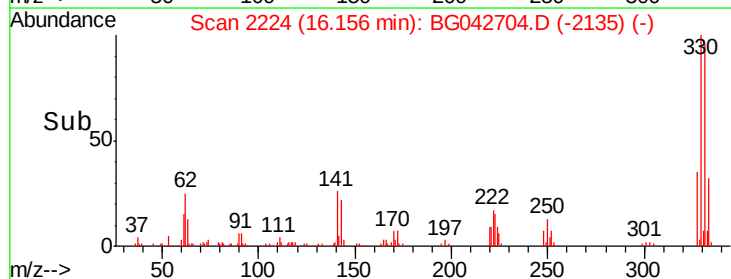
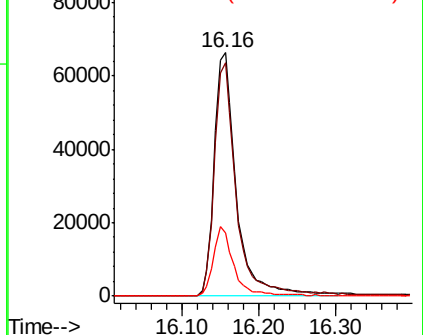
141 26.5 21.4 32.0

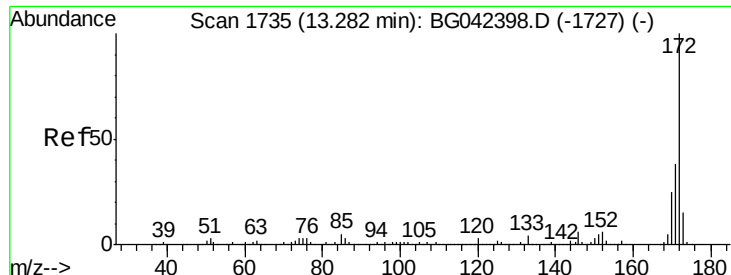


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

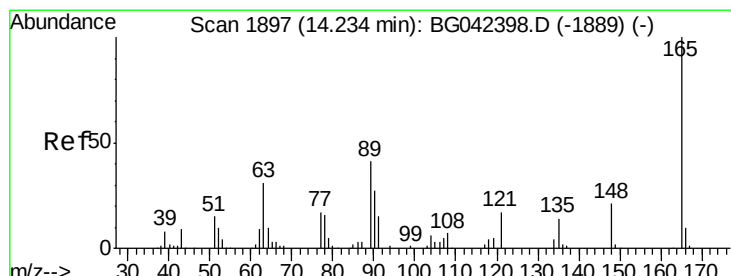
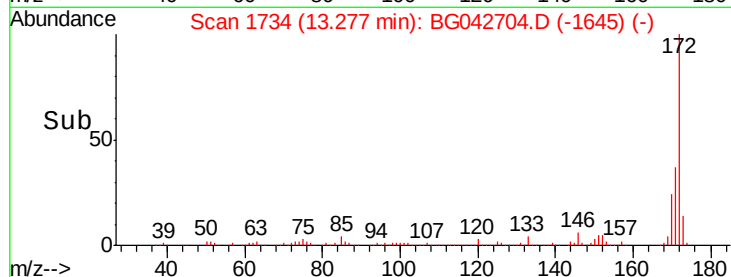
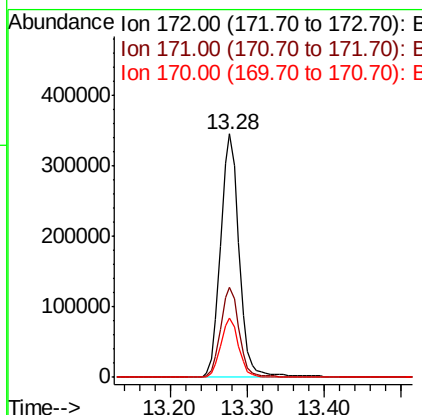
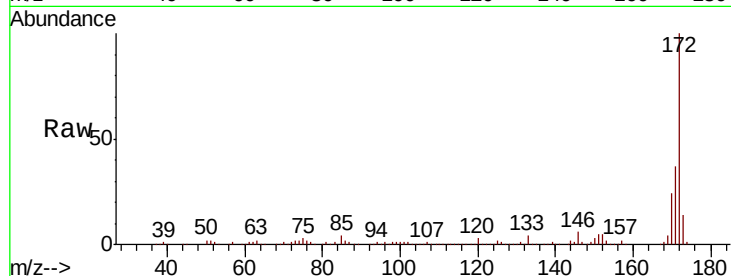




#45
 2-Fluorobiphenyl
 Concen: 95.451 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042704.D
 Acq: 4 Sep 2019 12:52

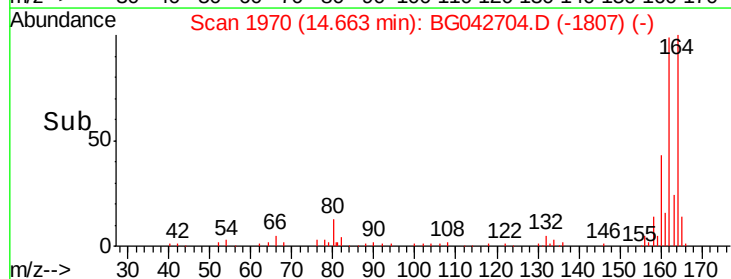
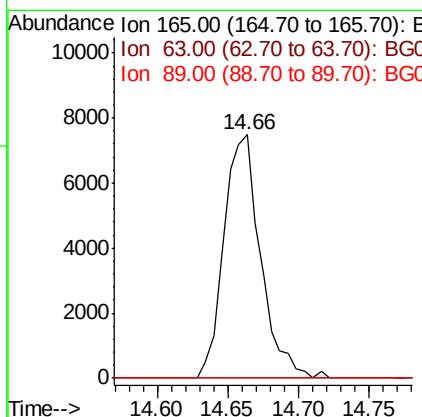
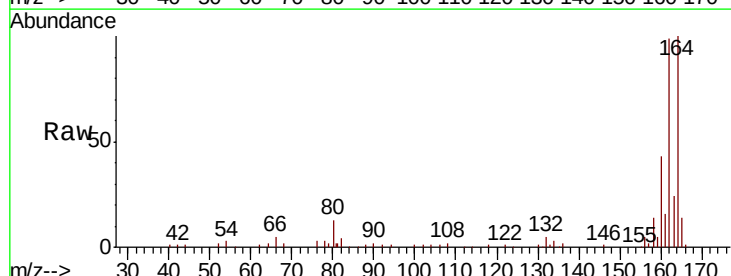
Instrument :
 BNA_G
 ClientSampleId :

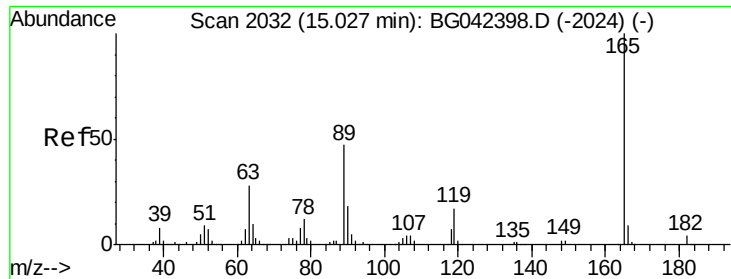
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.5	45.7
170	24.1	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.838 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042704.D
 Acq: 4 Sep 2019 12:52

Tgt 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: 5.474 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042704.D

Acq: 4 Sep 2019 12:52

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 13511

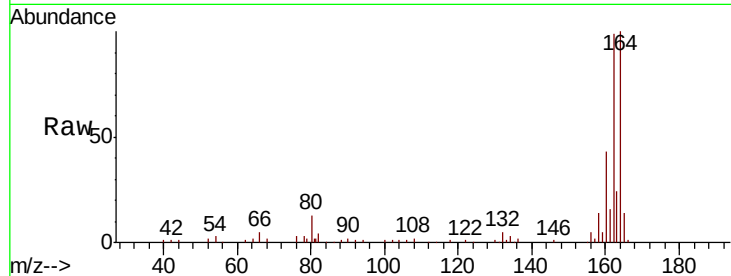
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

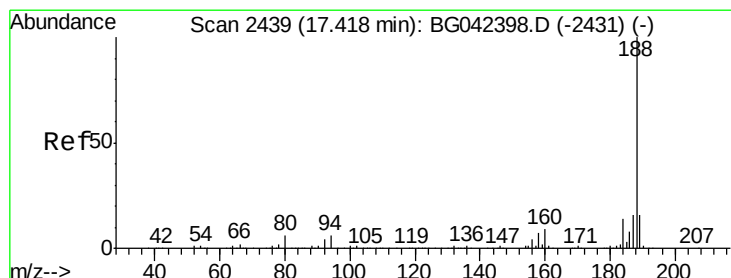
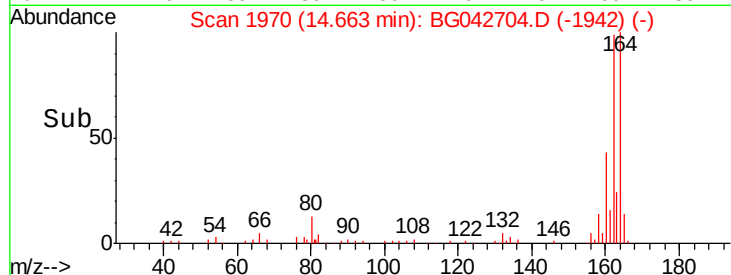
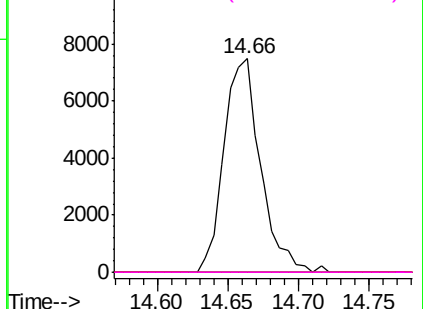


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042704.D

Acq: 4 Sep 2019 12:52

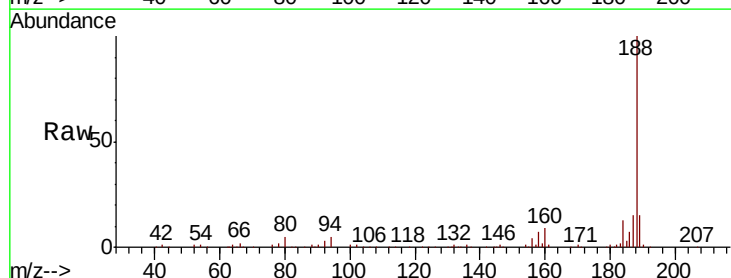
Tgt Ion:188 Resp: 249598

Ion Ratio Lower Upper

188 100

94 5.1 4.5 6.7

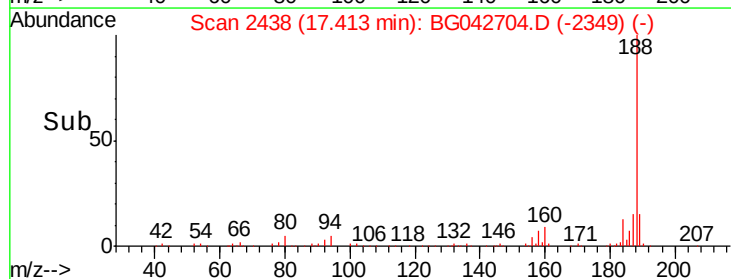
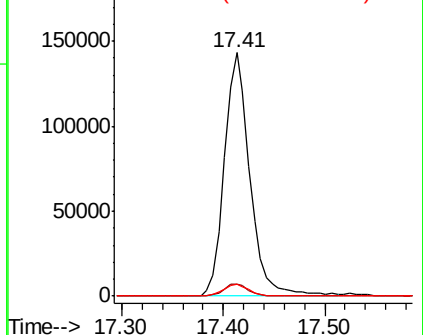
80 5.1 4.9 7.3

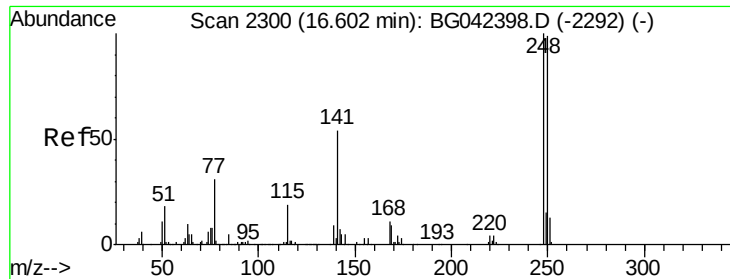


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

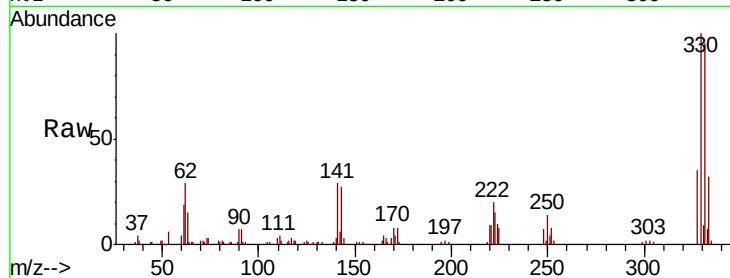




#67
 4-Bromophenyl-phenylether
 Concen: 2.737 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042704.D
 Acq: 4 Sep 2019 12:52

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	204.0	78.9	118.3#
141	421.9	43.3	64.9#

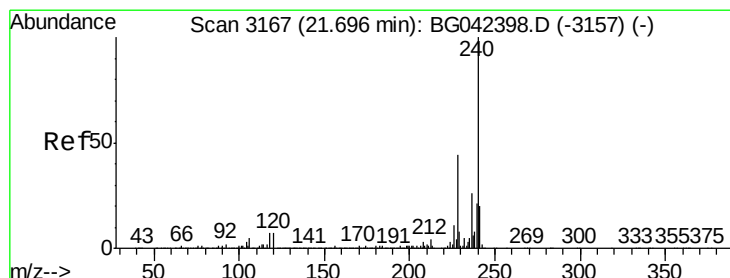
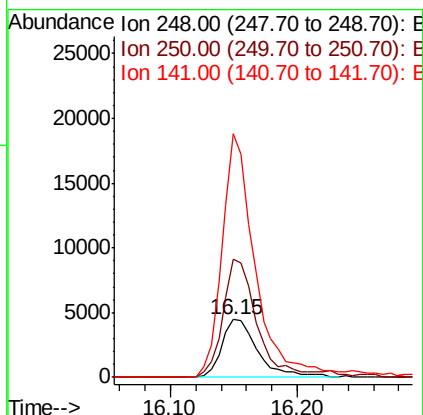
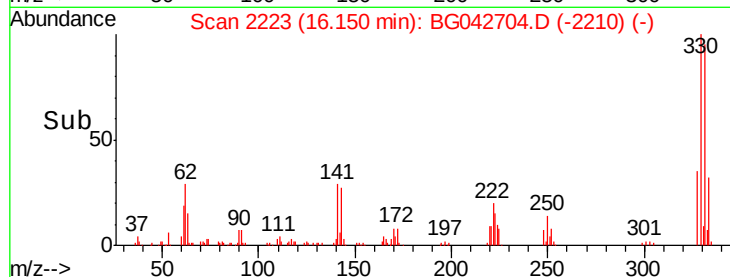


Abundance

Ion 248.00 (247.70 to 248.70): E

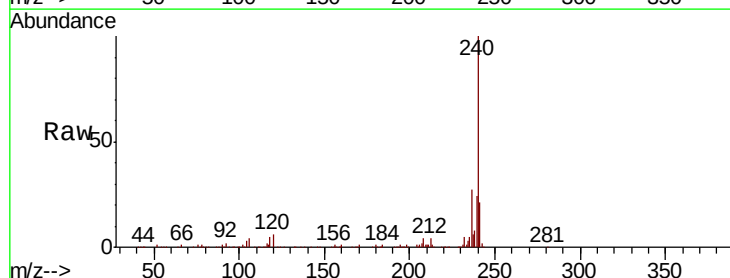
Ion 250.00 (249.70 to 250.70): E

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: BG042704.D
 Acq: 4 Sep 2019 12:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	5.7	8.5#
236	26.7	21.0	31.4

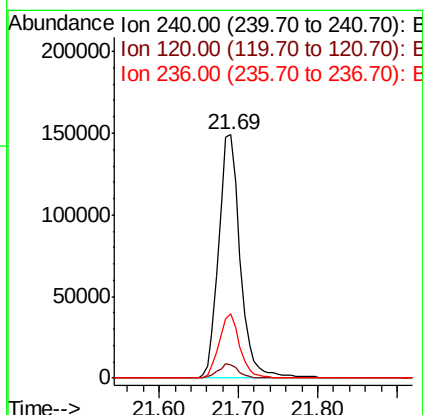
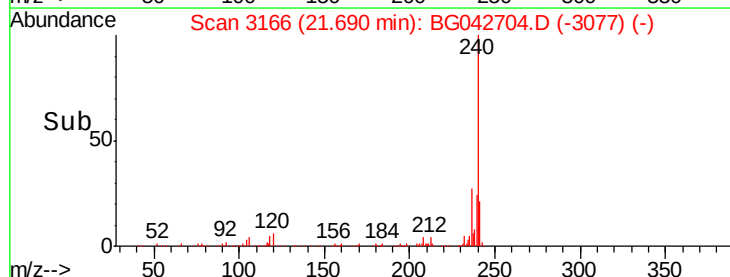


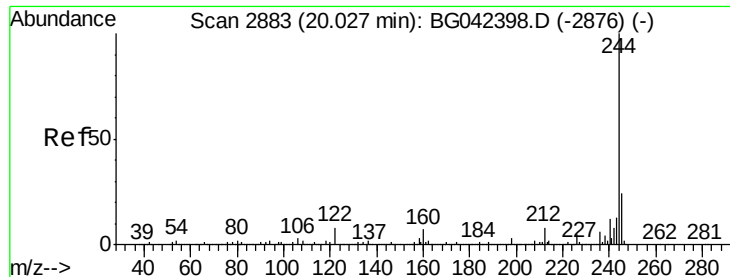
Abundance

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





#79

Terphenyl-d14

Concen: 89.353 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042704.D

Acq: 4 Sep 2019 12:52

Instrument :

BNA_G

ClientSampled :

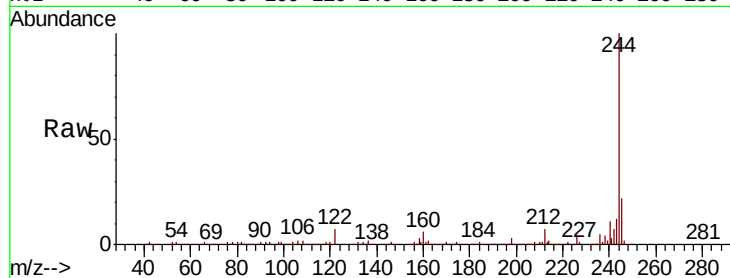
Tot Ion:244 Resp: 1163819

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

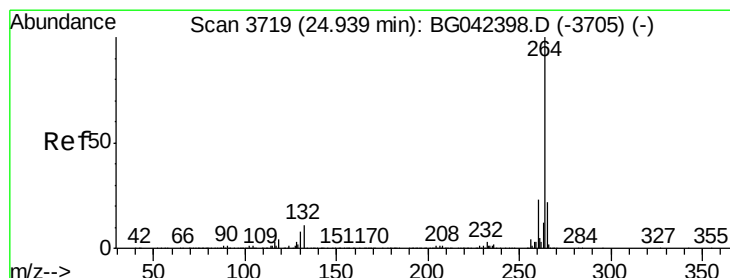
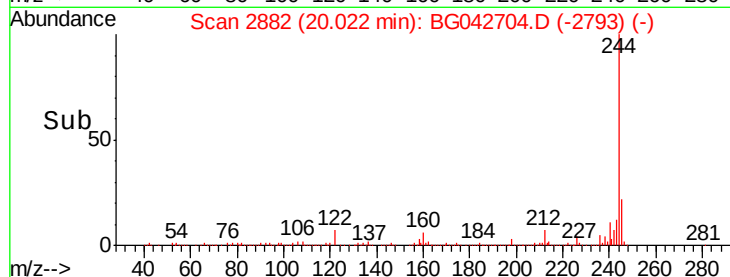
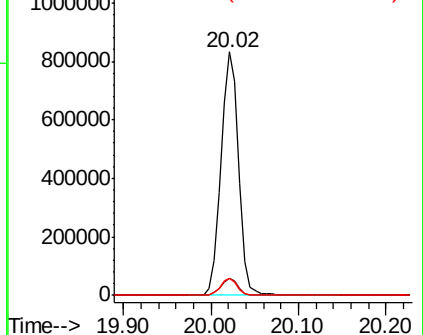
122 6.8 6.7 10.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BG042704.D

Acq: 4 Sep 2019 12:52

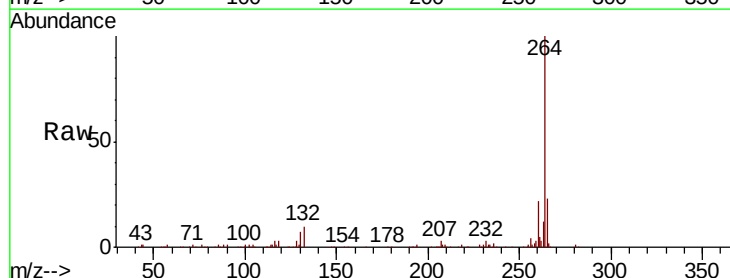
Tgt Ion:264 Resp: 320612

Ion Ratio Lower Upper

264 100

260 22.3 18.5 27.7

265 22.8 17.6 26.4



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

