

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032819\
 Data File : BG040221.D
 Acq On : 29 Mar 2019 5:42
 Operator : JU/SJ
 Sample : K2107-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Mar 29 08:19:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

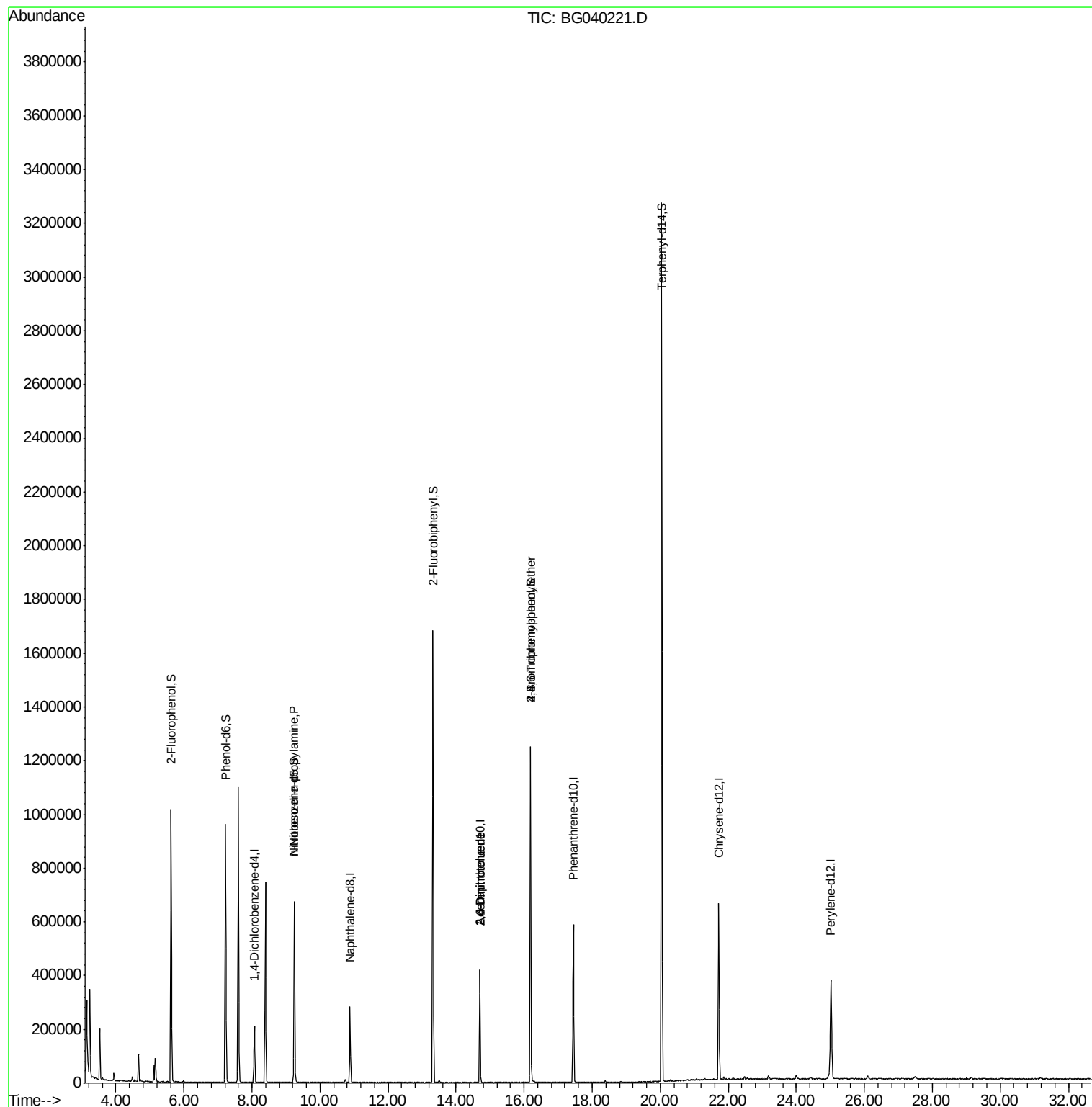
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	59216	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	243603	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	146552	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	371482	20.00	ng	0.00
76) Chrysene-d12	21.72	240	404151	20.00	ng	-0.01
87) Perylene-d12	25.03	264	389502	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	443588	124.53	ng	0.00
7) Phenol-d6	7.22	99	569541	115.69	ng	0.00
23) Nitrobenzene-d5	9.24	82	406615	88.72	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	223580	141.16	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	878829	88.86	ng	0.00
79) Terphenyl-d14	20.04	244	1494108	83.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	50783	14.388	ng	# 66
51) 2,6-Dinitrotoluene	14.70	165	19114	7.422	ng	# 25
57) 2,4-Dinitrotoluene	14.70	165	19114	5.341	ng	# 25
67) 4-Bromophenyl-phenylether	16.19	248	17364	4.154	ng	# 1

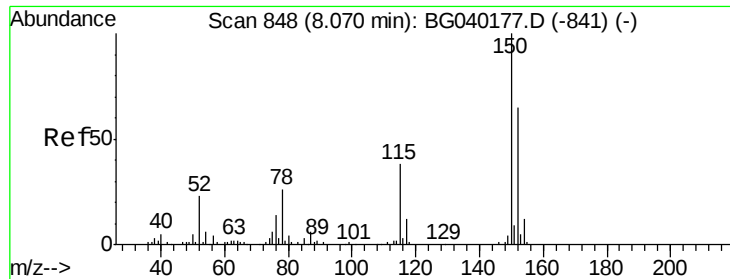
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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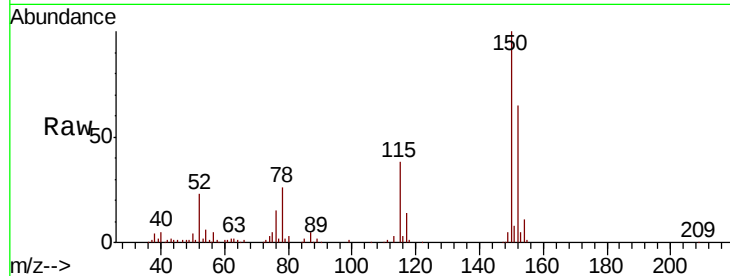


#1

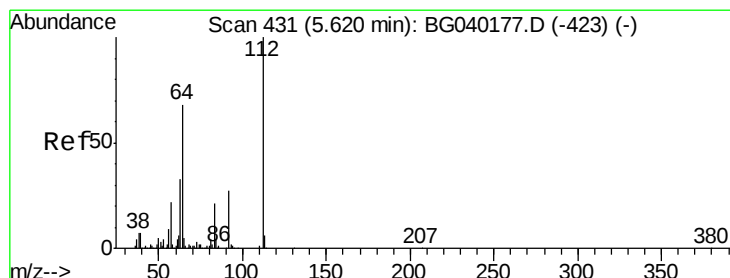
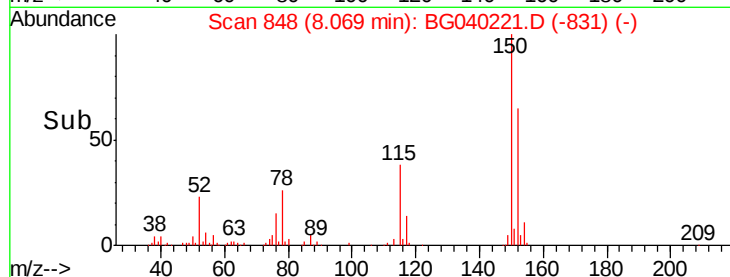
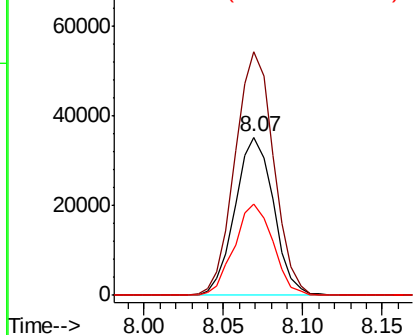
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.00 min
Lab File: BG040221.D
Acq: 29 Mar 2019 5:42

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion:152 Resp: 59216
Ion Ratio Lower Upper
152 100
150 153.8 123.7 185.5
115 57.9 46.9 70.3



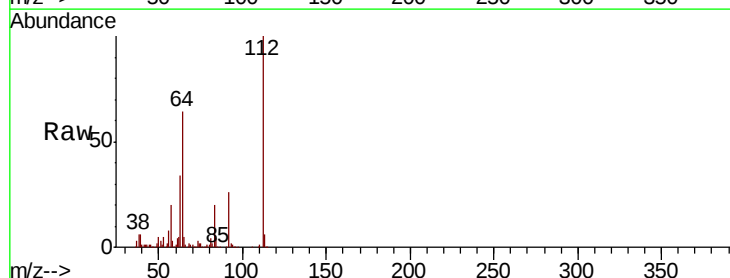
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



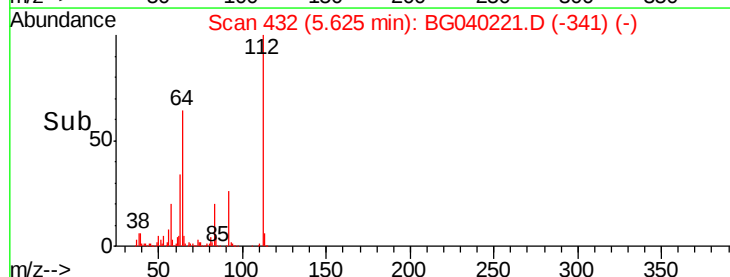
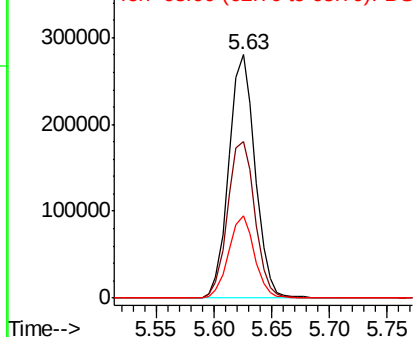
#5

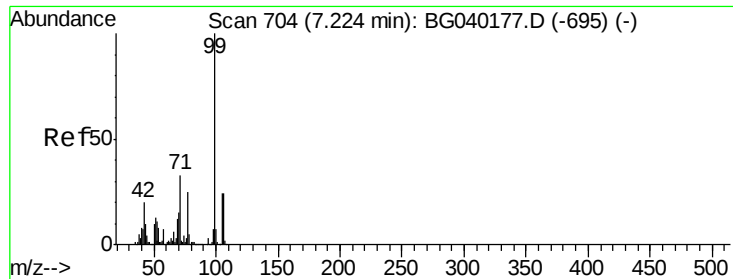
2-Fluorophenol
Concen: 124.532 ng
RT: 5.63 min Scan# 432
Delta R.T. 0.01 min
Lab File: BG040221.D
Acq: 29 Mar 2019 5:42

Tgt Ion:112 Resp: 443588
Ion Ratio Lower Upper
112 100
64 64.5 54.2 81.2
63 33.6 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 115.694 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG040221.D

Acq: 29 Mar 2019 5:42

Instrument :

BNA_G

ClientSampleId :

DFTPP

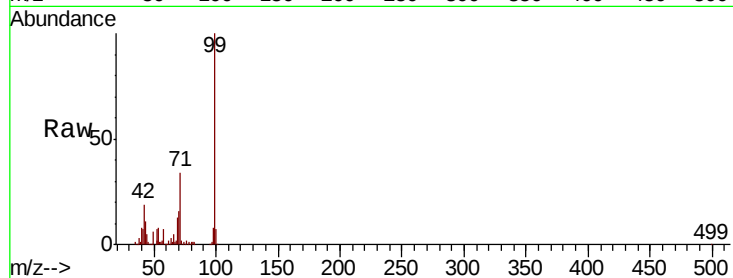
Tgt Ion: 99 Resp: 569541

Ion Ratio Lower Upper

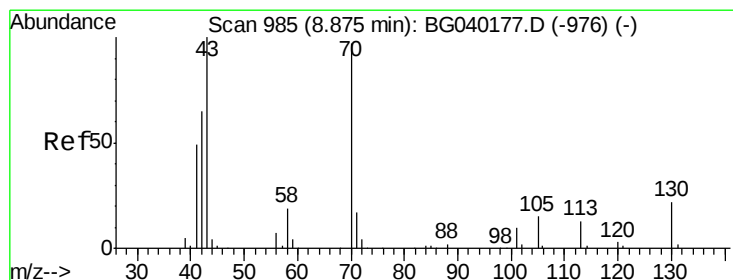
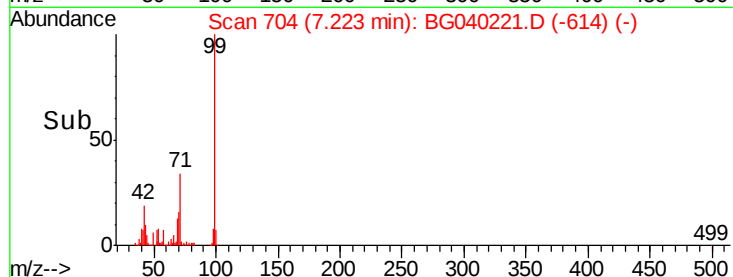
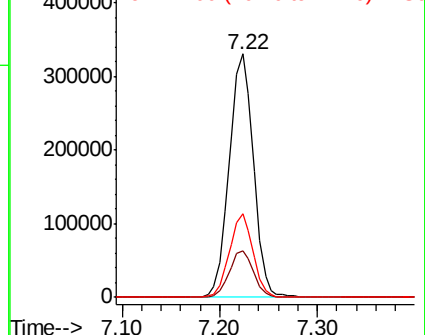
99 100

42 19.2 16.2 24.2

71 34.1 26.8 40.2



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: 14.388 ng

RT: 9.24 min Scan# 1048

Delta R.T. 0.37 min

Lab File: BG040221.D

Acq: 29 Mar 2019 5:42

Tgt Ion: 70 Resp: 50783

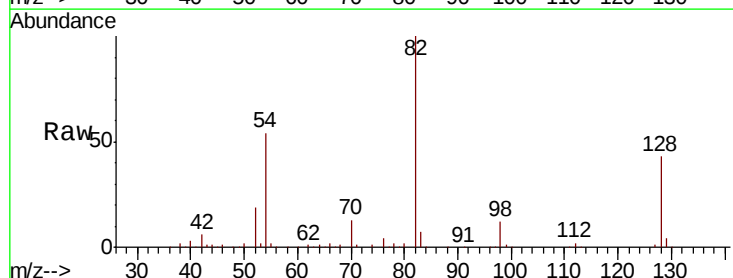
Ion Ratio Lower Upper

70 100

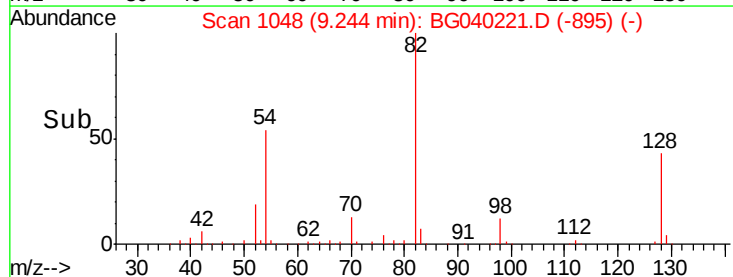
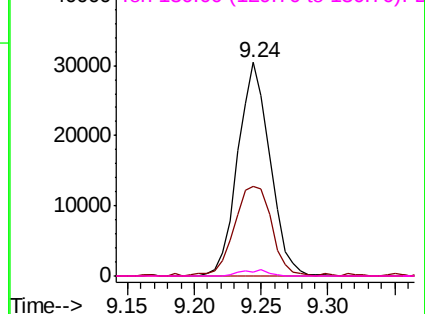
42 42.1 54.0 81.0#

101 0.0 8.6 13.0#

130 1.6 18.2 27.2#



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

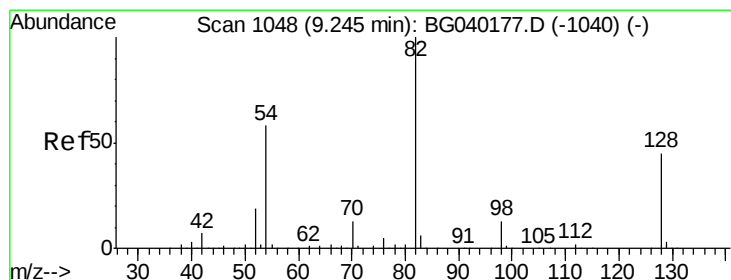
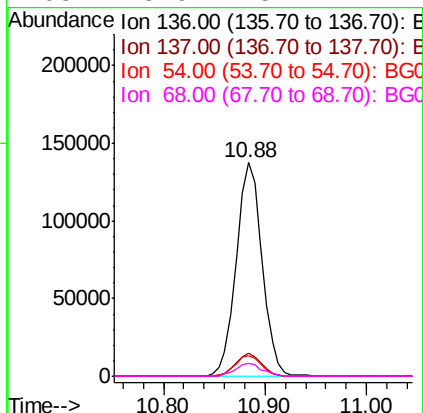
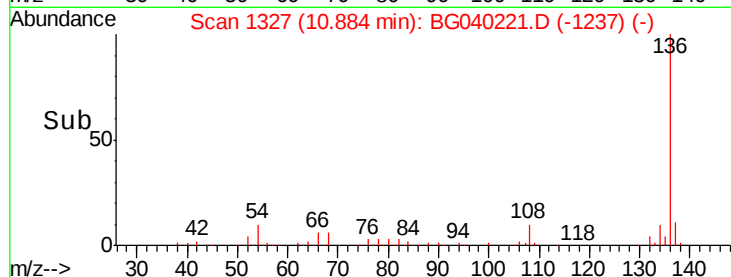
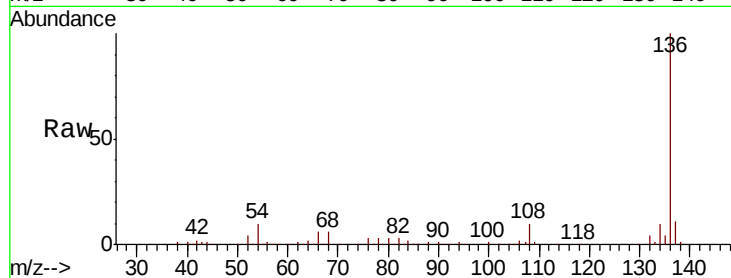




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1327
Delta R.T. -0.00 min
Lab File: BG040221.D
Acq: 29 Mar 2019 5:42

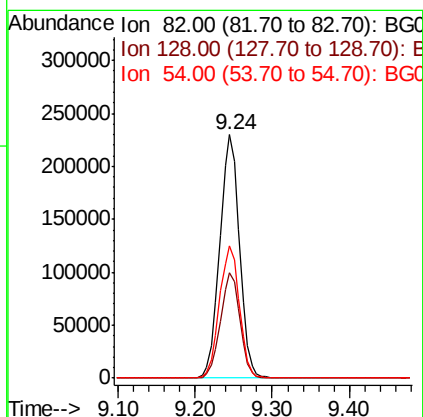
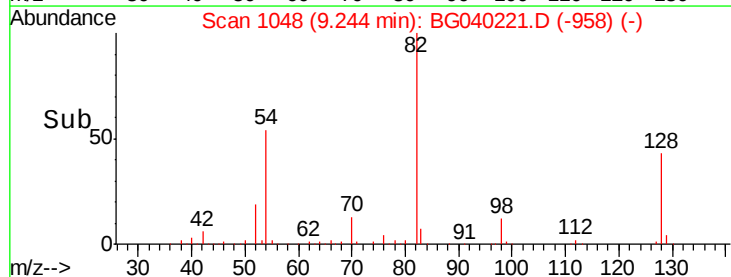
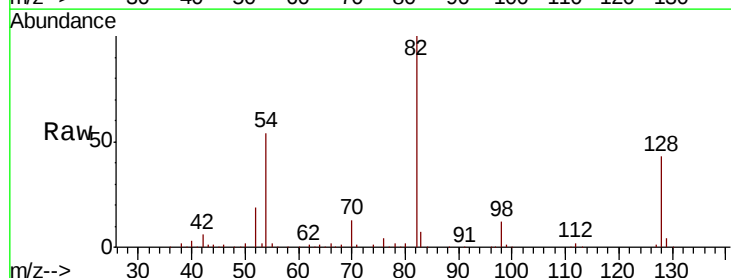
Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion:	136	Resp:	243603
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.6	9.6	14.4
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 88.722 ng
RT: 9.24 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BG040221.D
Acq: 29 Mar 2019 5:42

Tgt Ion:	82	Resp:	406615
Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.8	53.8
54	54.3	46.2	69.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG040221.D

Acq: 29 Mar 2019 5:42

Instrument :

BNA_G

ClientSampleId :

DFTPP

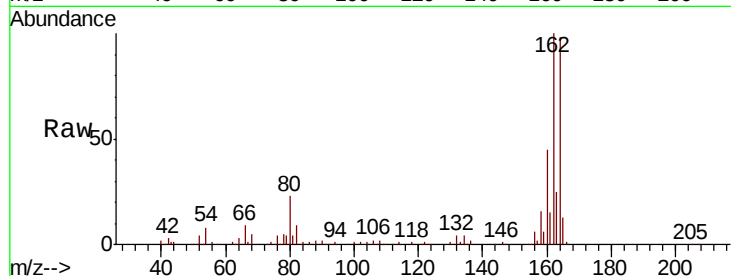
Tgt Ion:164 Resp: 146552

Ion Ratio Lower Upper

164 100

162 101.6 77.4 116.2

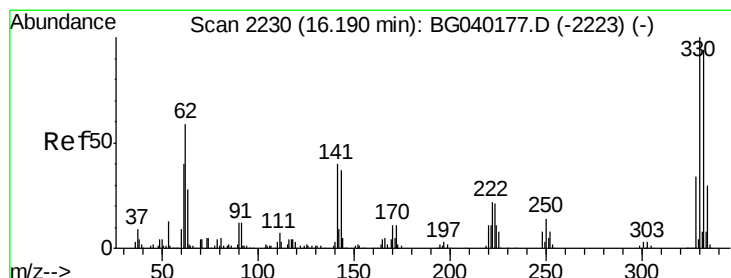
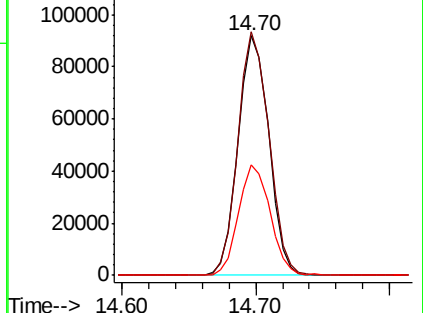
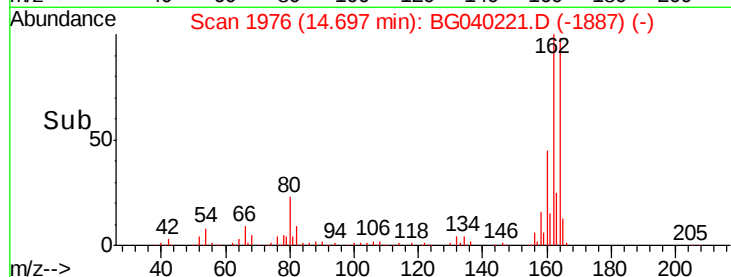
160 46.2 35.3 52.9



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: 141.163 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG040221.D

Acq: 29 Mar 2019 5:42

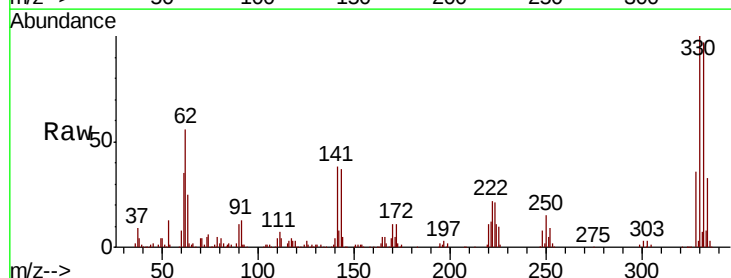
Tgt Ion:330 Resp: 223580

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

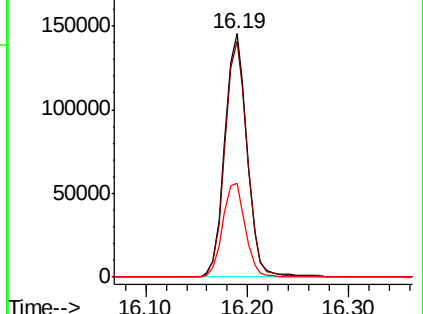
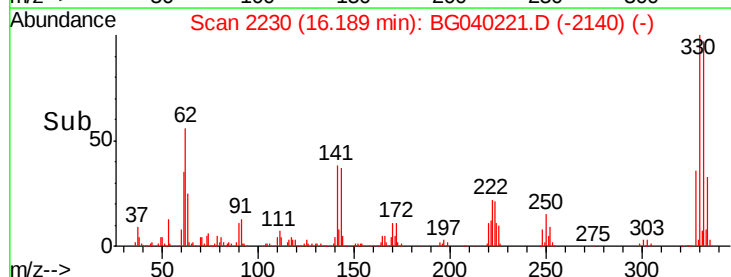
141 38.9 32.6 48.8



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: 88.857 ng

RT: 13.32 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BG040221.D

Acq: 29 Mar 2019 5:42

Instrument :

BNA_G

ClientSampleId :

DFTPP

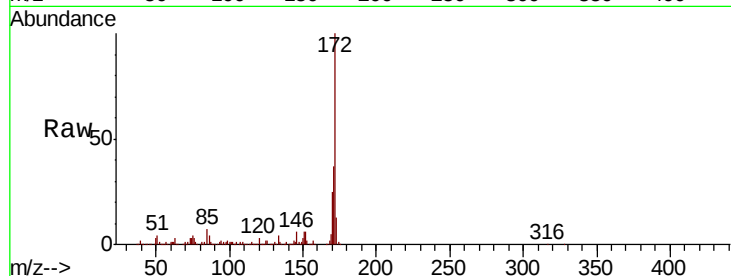
Tgt Ion:172 Resp: 878829

Ion Ratio Lower Upper

172 100

171 37.0 30.5 45.7

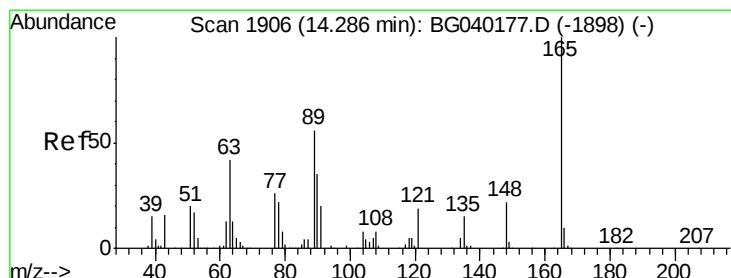
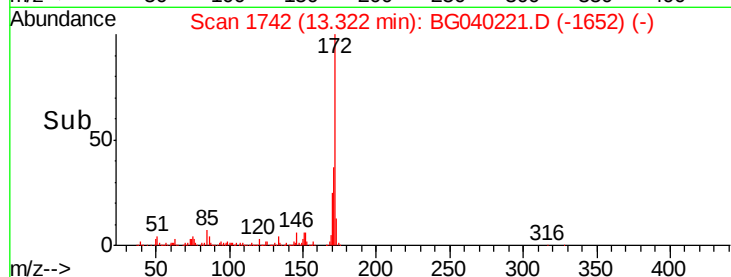
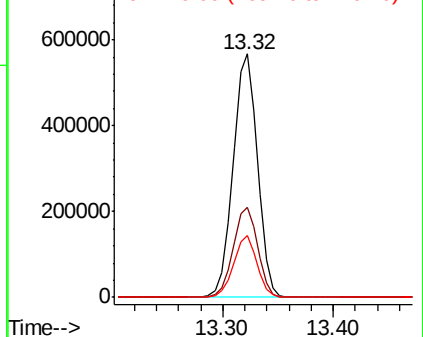
170 25.2 20.1 30.1



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: 7.422 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.41 min

Lab File: BG040221.D

Acq: 29 Mar 2019 5:42

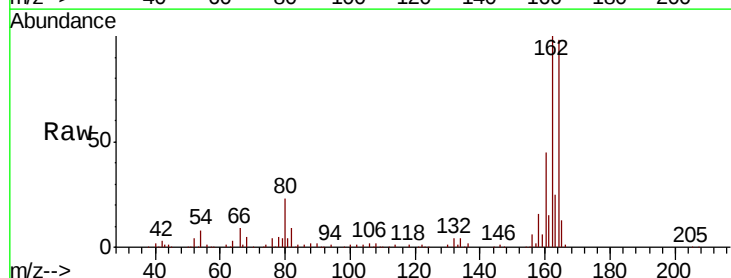
Tgt Ion:165 Resp: 19114

Ion Ratio Lower Upper

165 100

63 1.5 44.1 66.1#

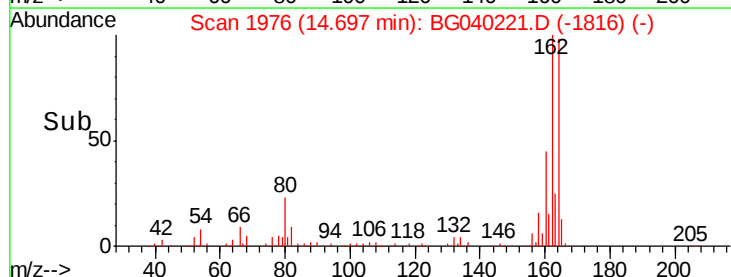
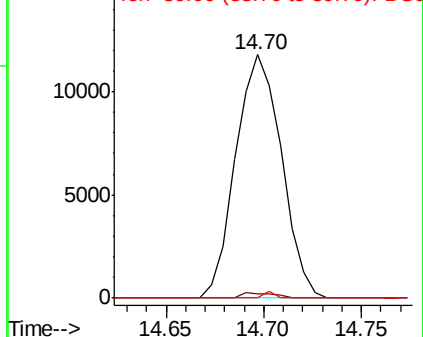
89 0.0 44.9 67.3#

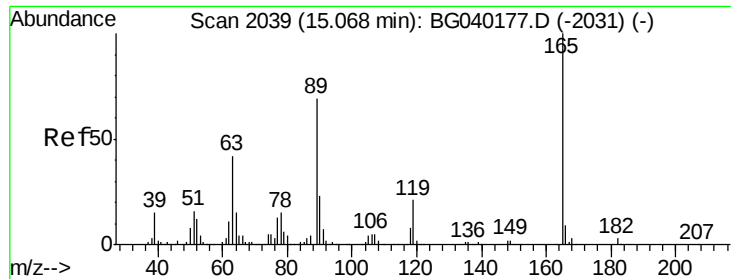


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

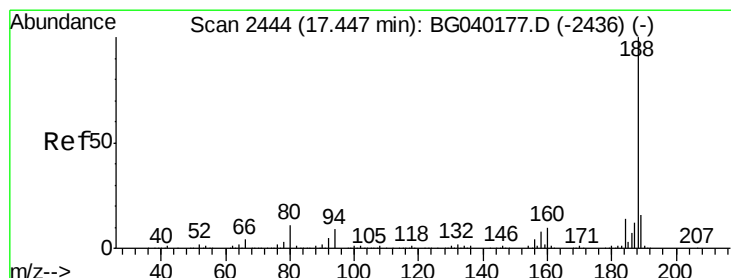
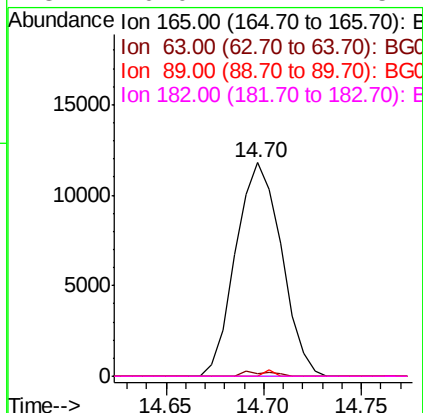
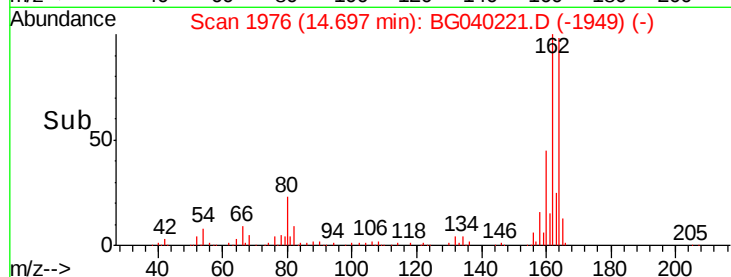
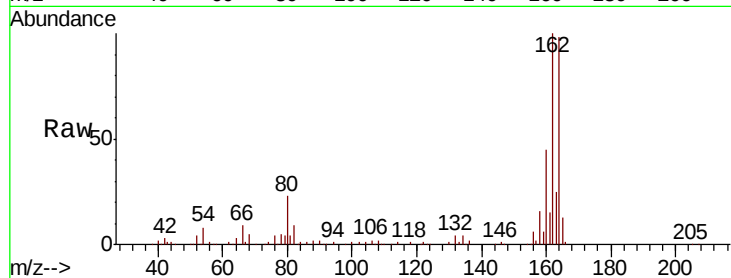




#57
2,4-Dinitrotoluene
Concen: 5.341 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.37 min
Lab File: BG040221.D
Acq: 29 Mar 2019 5:42

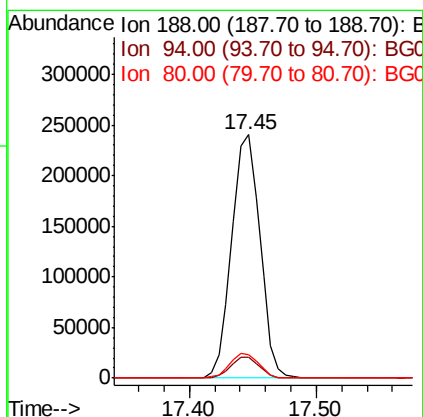
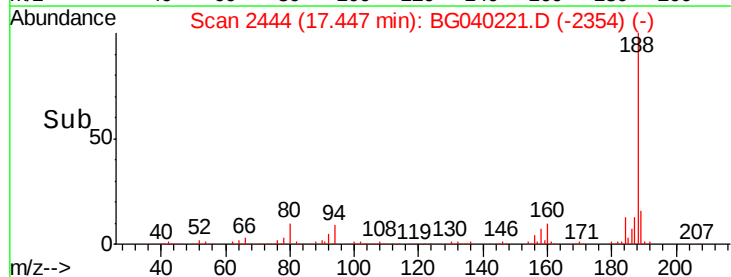
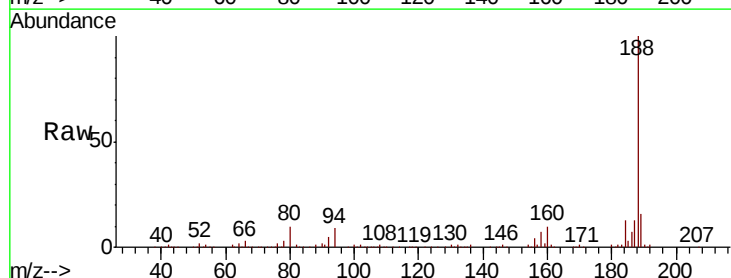
Instrument :
BNA_G
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DFTPP

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.8	50.6#
89	0.0	55.4	83.2#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG040221.D
Acq: 29 Mar 2019 5:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.0	10.4
80	9.8	8.6	13.0

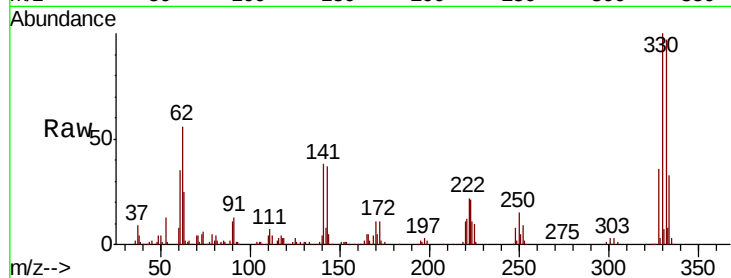




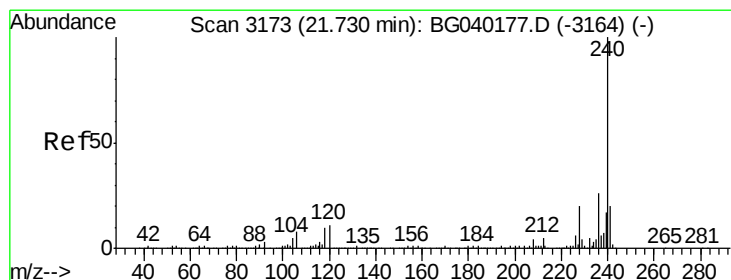
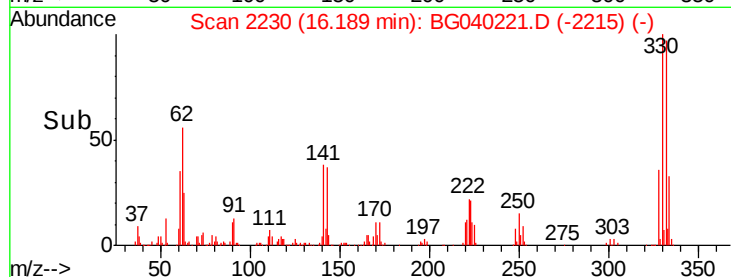
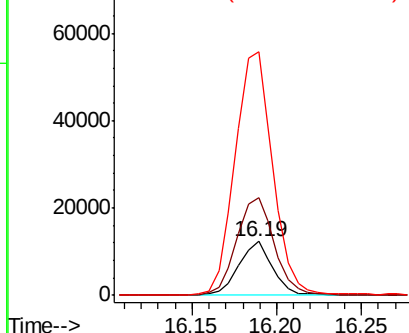
#67
4-Bromophenyl-phenylether
Concen: 4.154 ng
RT: 16.19 min Scan# 2230
Delta R.T. -0.44 min
Lab File: BG040221.D
Acq: 29 Mar 2019 5:42

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion:248 Resp: 17364
Ion Ratio Lower Upper
248 100
250 181.5 76.4 114.6#
141 452.0 53.8 80.8#

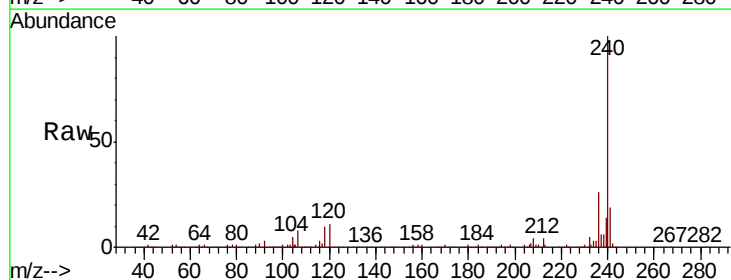


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

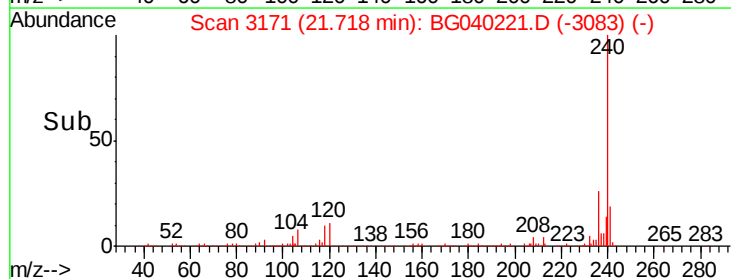
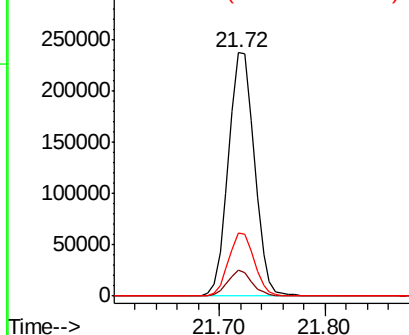


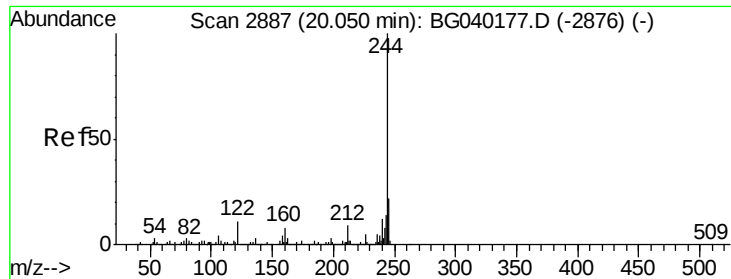
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG040221.D
Acq: 29 Mar 2019 5:42

Tgt Ion:240 Resp: 404151
Ion Ratio Lower Upper
240 100
120 10.8 8.4 12.6
236 25.7 20.8 31.2



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: 83.168 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG040221.D

Acq: 29 Mar 2019 5:42

Instrument :

BNA_G

ClientSampleId :

DFTPP

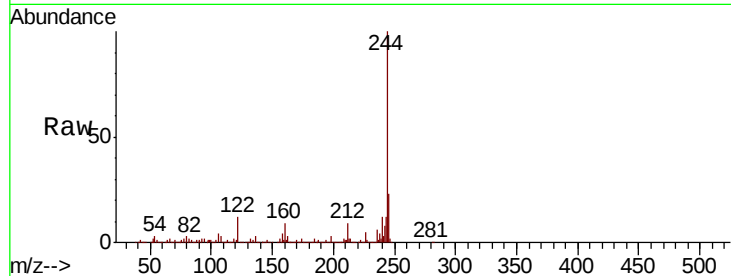
Tgt Ion:244 Resp: 1494108

Ion Ratio Lower Upper

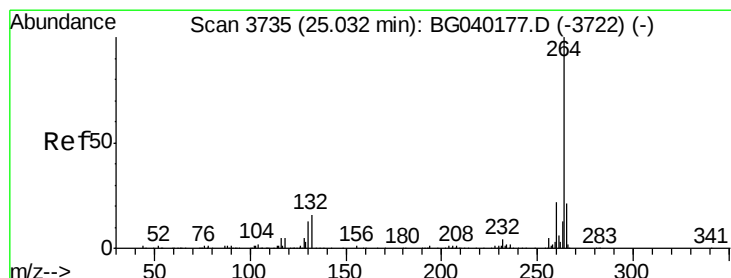
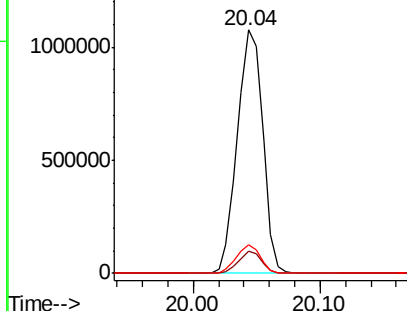
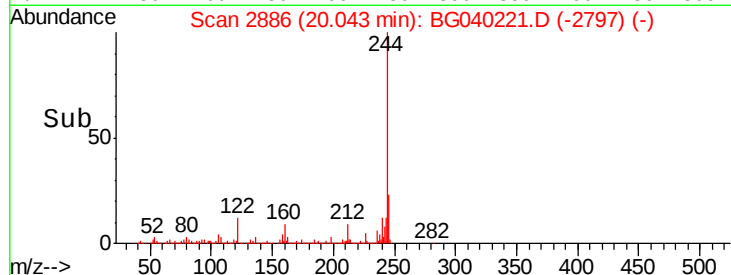
244 100

212 9.1 7.0 10.6

122 11.9 8.5 12.7



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: 25.03 min Scan# 3734

Delta R.T. -0.01 min

Lab File: BG040221.D

Acq: 29 Mar 2019 5:42

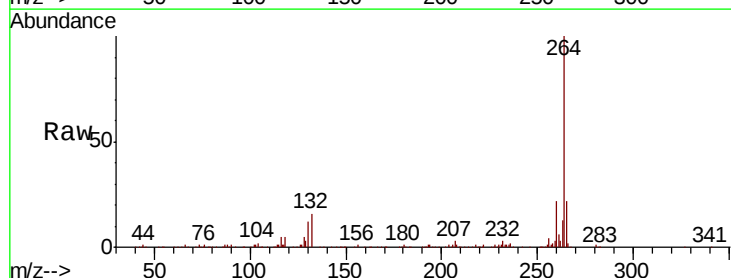
Tgt Ion:264 Resp: 389502

Ion Ratio Lower Upper

264 100

260 22.0 17.9 26.9

265 21.5 16.8 25.2



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

