

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032819\
 Data File : BG040219.D
 Acq On : 29 Mar 2019 4:23
 Operator : JU/SJ
 Sample : K2112-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPH-4-8-WC-001

Quant Time: Mar 29 05:51:01 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

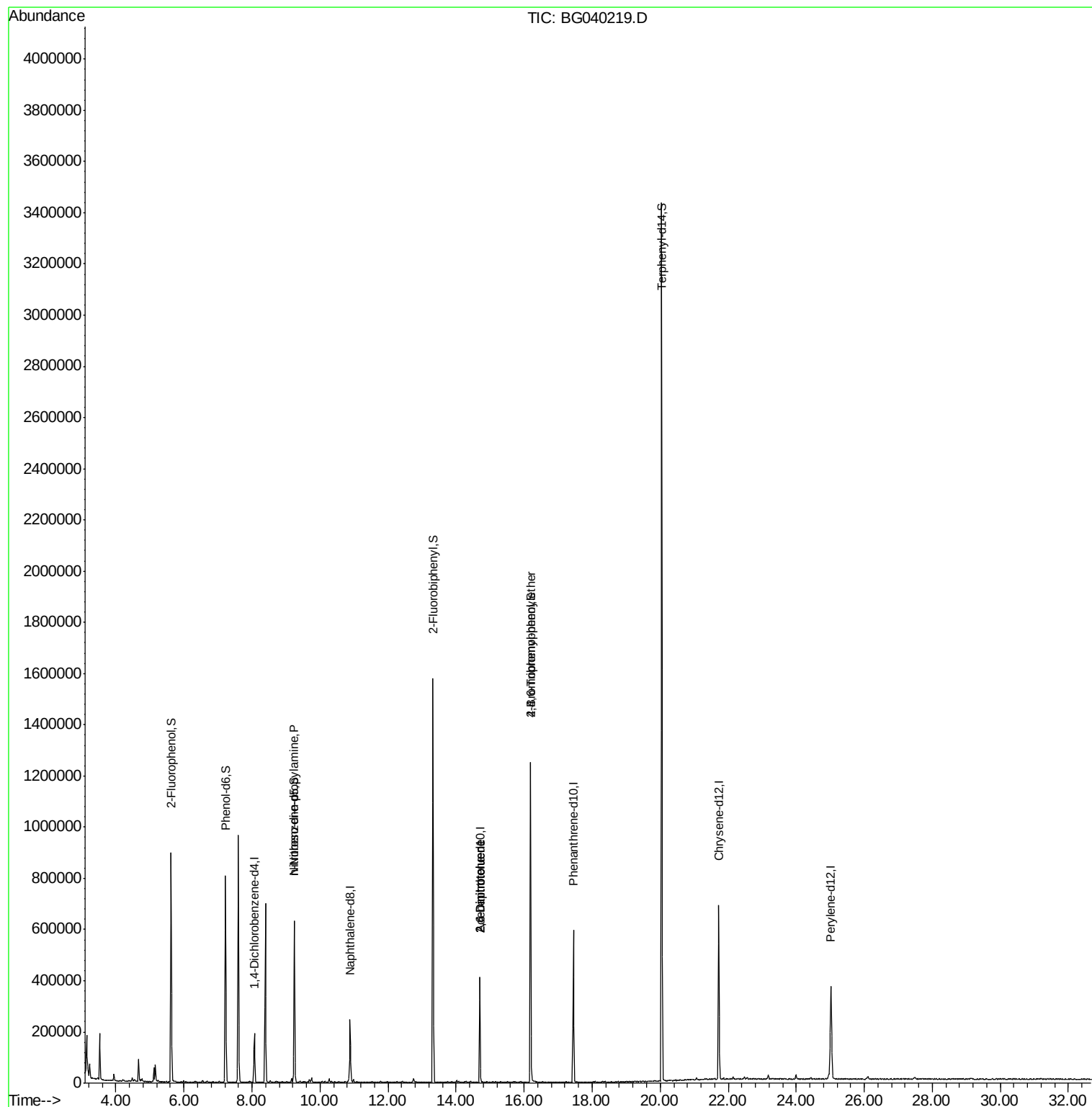
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	53938	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	217195	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	136348	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	378880	20.00	ng	0.00
76) Chrysene-d12	21.72	240	405579	20.00	ng	-0.01
87) Perylene-d12	25.02	264	402083	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	395234	121.81	ng	0.00
7) Phenol-d6	7.22	99	492525	109.84	ng	0.00
23) Nitrobenzene-d5	9.25	82	371926	91.02	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	232687	157.91	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	854210	92.83	ng	0.00
79) Terphenyl-d14	20.04	244	1573772	87.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	47641	14.819	ng	# 76
51) 2,6-Dinitrotoluene	14.70	165	18294	7.635	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	18294	5.495	ng	# 26
67) 4-Bromophenyl-phenylether	16.18	248	17735	4.160	ng	# 1

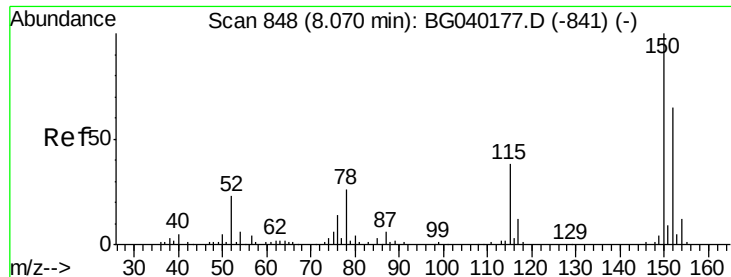
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 28 05:47:00 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.07 min Scan# 848

Delta R.T. 0.00 min

Lab File: BG040219.D

Acq: 29 Mar 2019 4:23

Instrument :

BNA_G

ClientSampleId :

EPH-4-8-WC-001

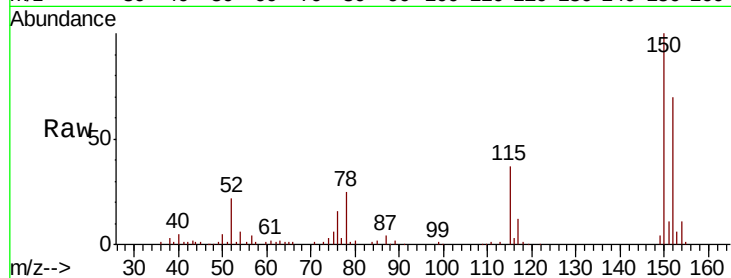
Tgt Ion:152 Resp: 53938

Ion Ratio Lower Upper

152 100

150 141.8 123.7 185.5

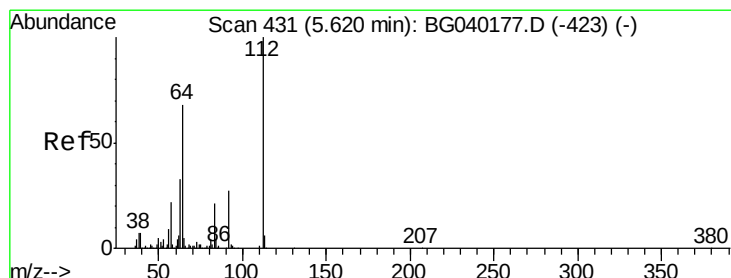
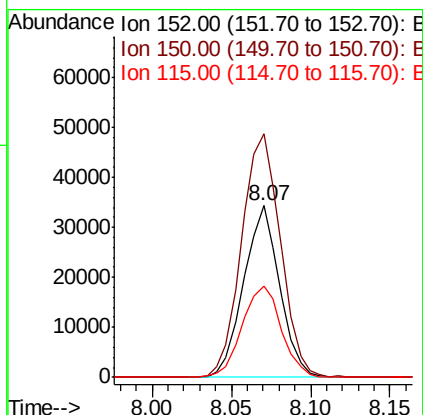
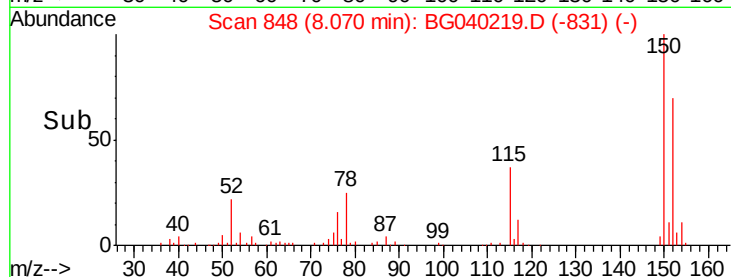
115 53.1 46.9 70.3



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: 121.814 ng

RT: 5.63 min Scan# 432

Delta R.T. 0.01 min

Lab File: BG040219.D

Acq: 29 Mar 2019 4:23

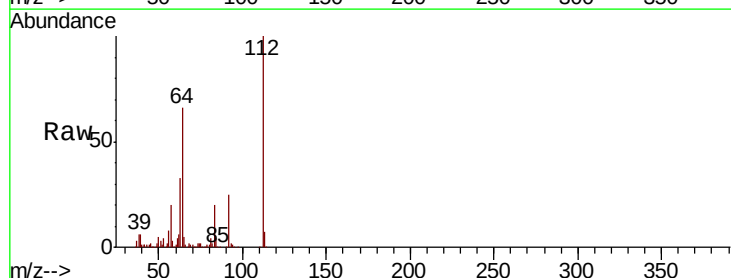
Tgt Ion:112 Resp: 395234

Ion Ratio Lower Upper

112 100

64 66.1 54.2 81.2

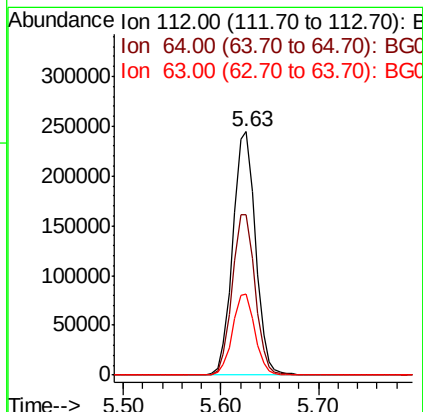
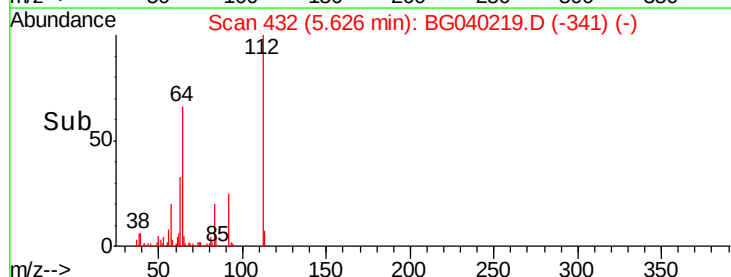
63 33.4 26.4 39.6

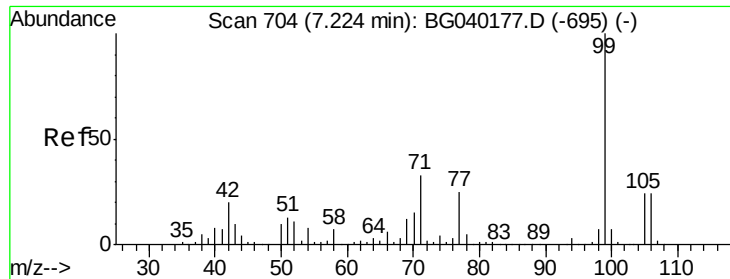


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 109.840 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG040219.D

Acq: 29 Mar 2019 4:23

Instrument :

BNA_G

ClientSampleId :

EPH-4-8-WC-001

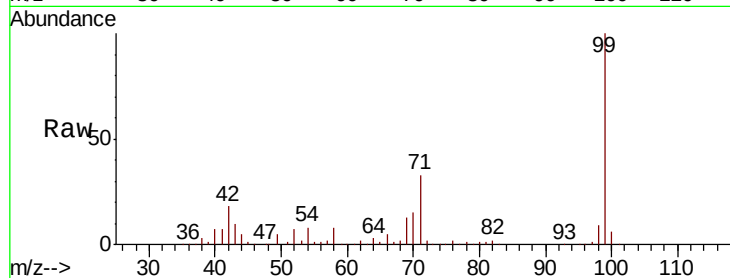
Tgt Ion: 99 Resp: 492525

Ion Ratio Lower Upper

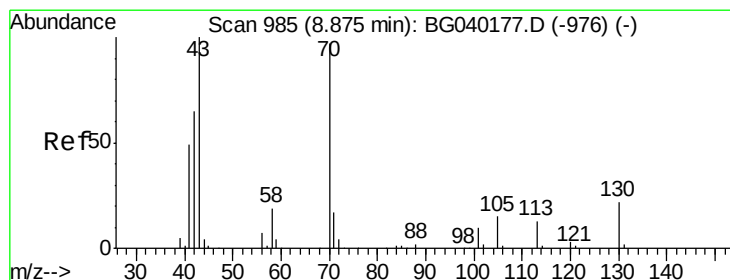
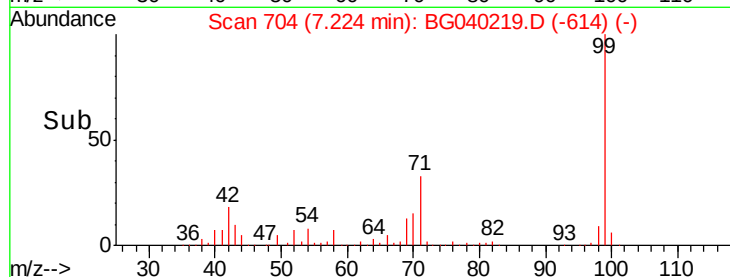
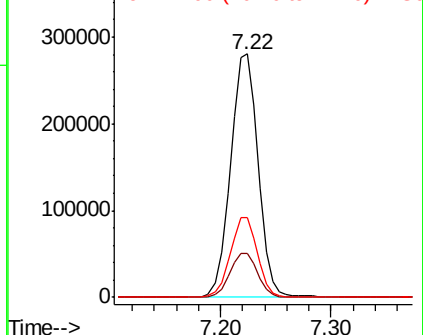
99 100

42 18.3 16.2 24.2

71 32.7 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: 14.819 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.36 min

Lab File: BG040219.D

Acq: 29 Mar 2019 4:23

Tgt Ion: 70 Resp: 47641

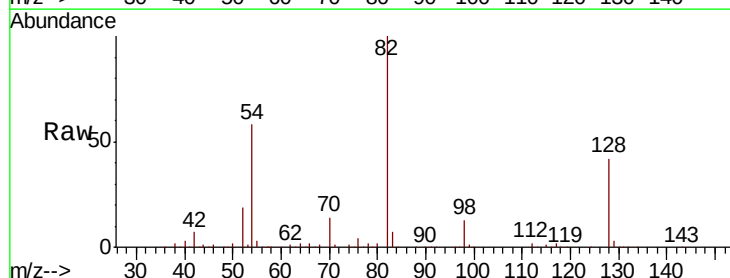
Ion Ratio Lower Upper

70 100

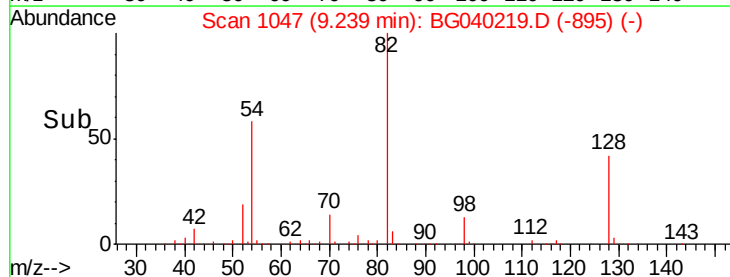
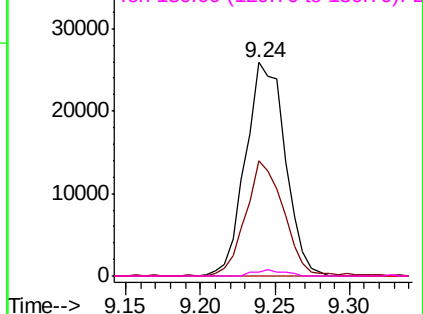
42 53.9 54.0 81.0#

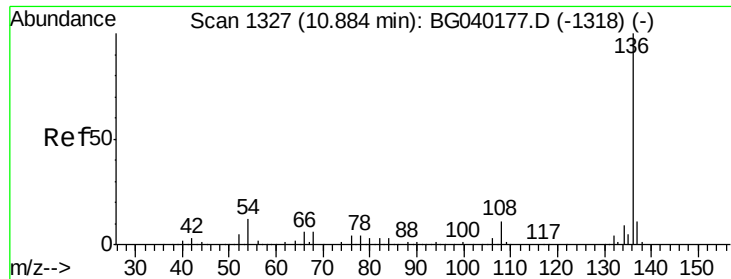
101 0.0 8.6 13.0#

130 2.0 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

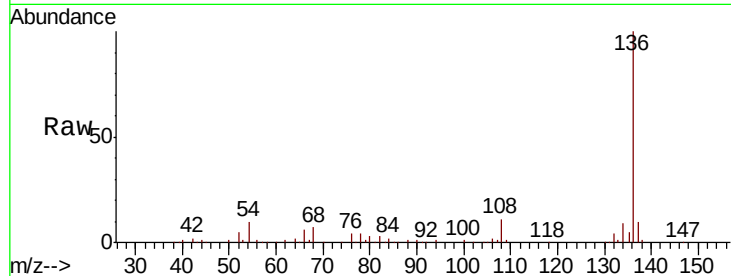




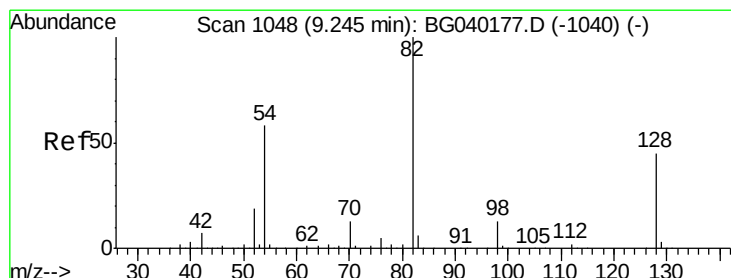
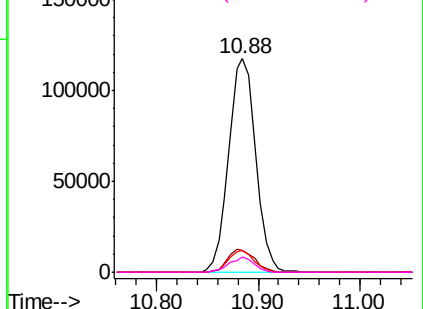
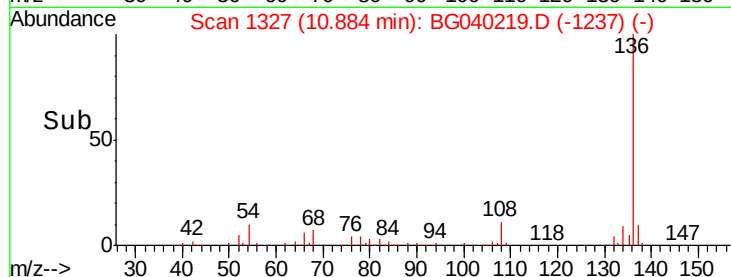
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG040219.D
Acq: 29 Mar 2019 4:23

Instrument :
BNA_G
ClientSampleId :
EPH-4-8-WC-001

Tgt Ion:	136	Resp:	217195
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.9	13.3
54	10.0	9.6	14.4
68	7.0	5.1	7.7

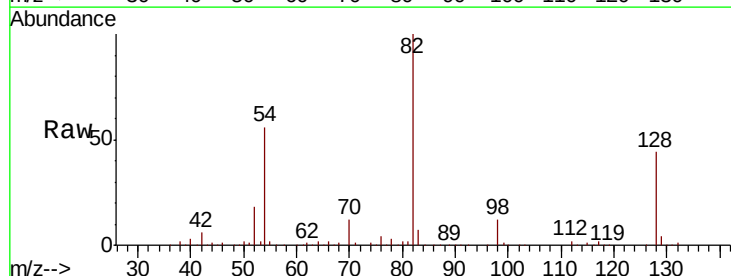


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

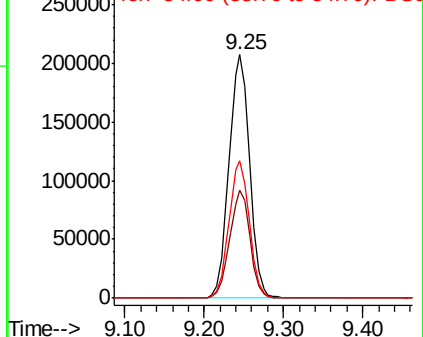
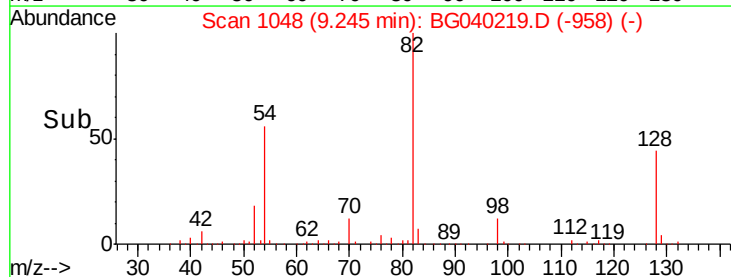


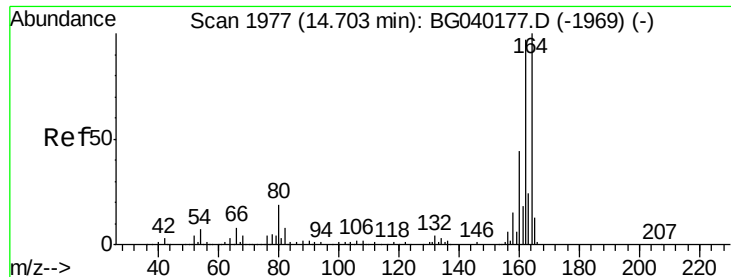
#23
Nitrobenzene-d5
Concen: 91.020 ng
RT: 9.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BG040219.D
Acq: 29 Mar 2019 4:23

Tgt Ion:	82	Resp:	371926
Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.8	53.8
54	56.2	46.2	69.2



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: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG040219.D

Acq: 29 Mar 2019 4:23

Instrument :

BNA_G

ClientSampleId :

EPH-4-8-WC-001

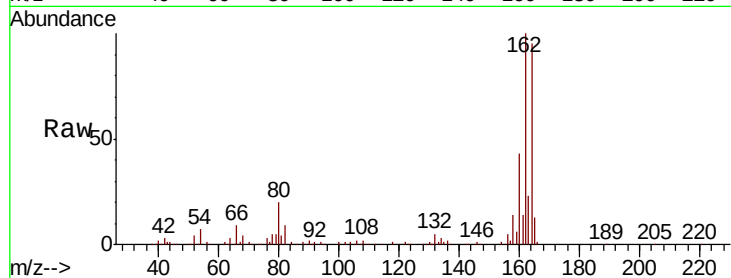
Tgt Ion:164 Resp: 136348

Ion Ratio Lower Upper

164 100

162 104.9 77.4 116.2

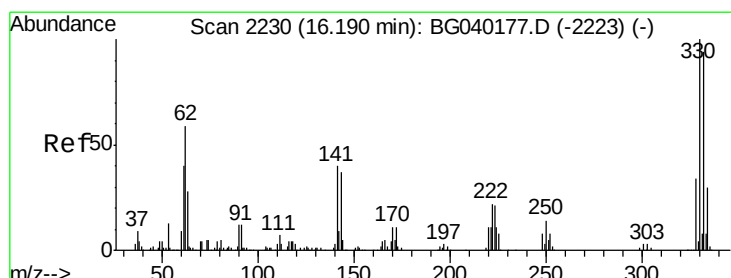
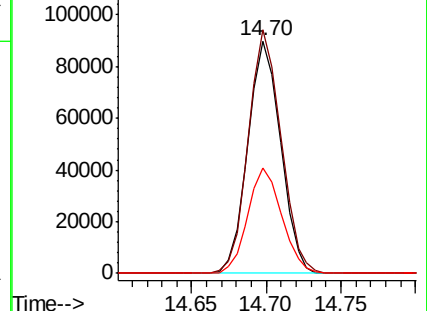
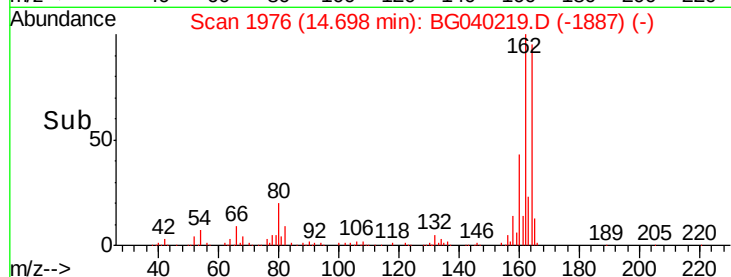
160 45.3 35.3 52.9



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: 157.907 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG040219.D

Acq: 29 Mar 2019 4:23

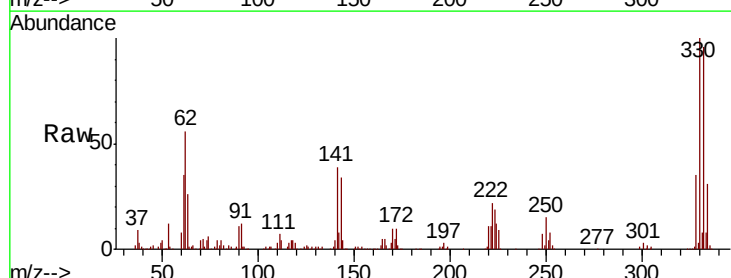
Tgt Ion:330 Resp: 232687

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

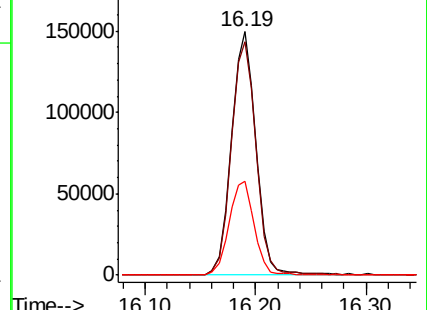
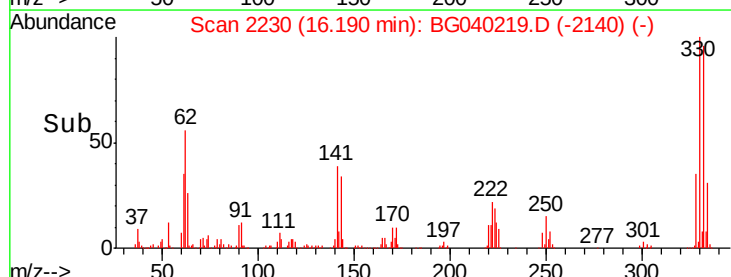
141 39.5 32.6 48.8

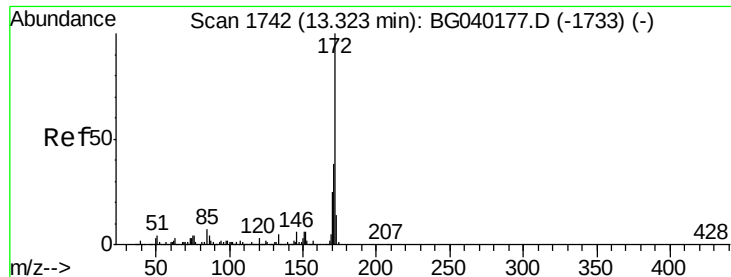


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 92.831 ng

RT: 13.32 min Scan# 1742

Delta R.T. 0.00 min

Lab File: BG040219.D

Acq: 29 Mar 2019 4:23

Instrument :

BNA_G

ClientSampleId :

EPH-4-8-WC-001

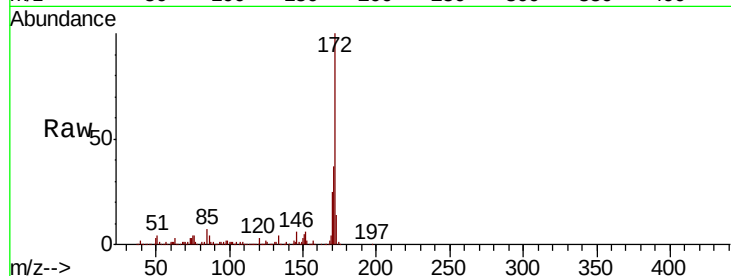
Tgt Ion:172 Resp: 854210

Ion Ratio Lower Upper

172 100

171 36.8 30.5 45.7

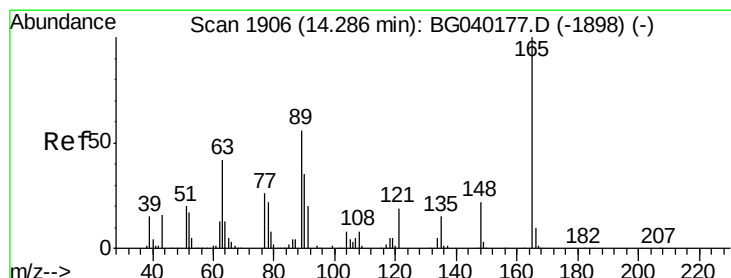
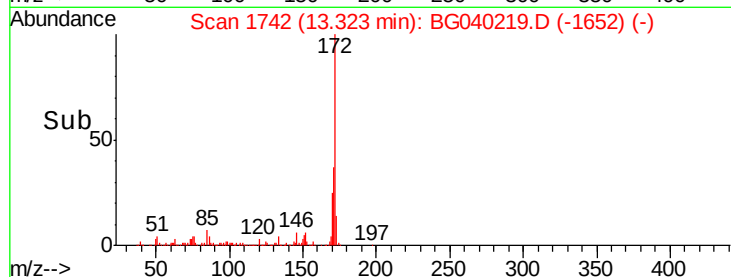
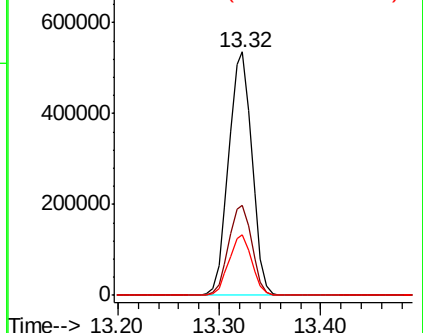
170 24.8 20.1 30.1



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: 7.635 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.41 min

Lab File: BG040219.D

Acq: 29 Mar 2019 4:23

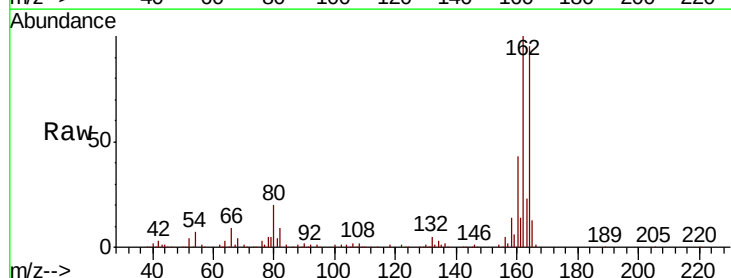
Tgt Ion:165 Resp: 18294

Ion Ratio Lower Upper

165 100

63 1.9 44.1 66.1#

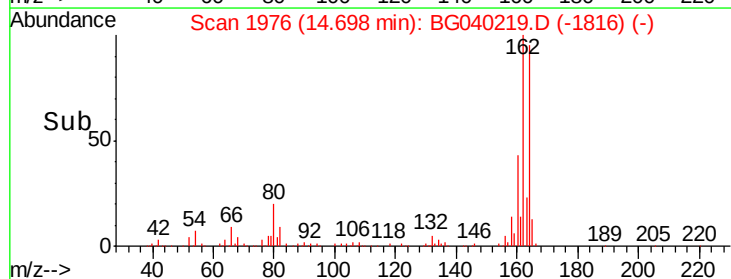
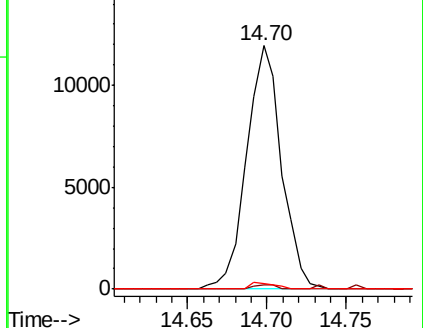
89 2.1 44.9 67.3#

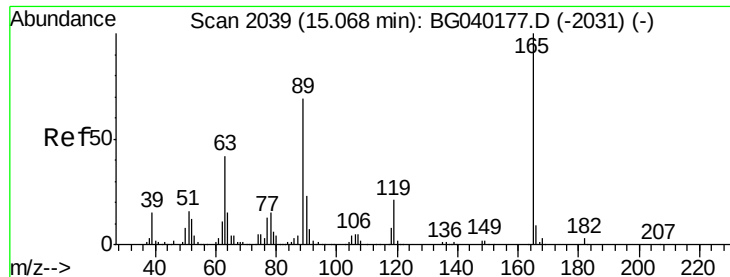


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

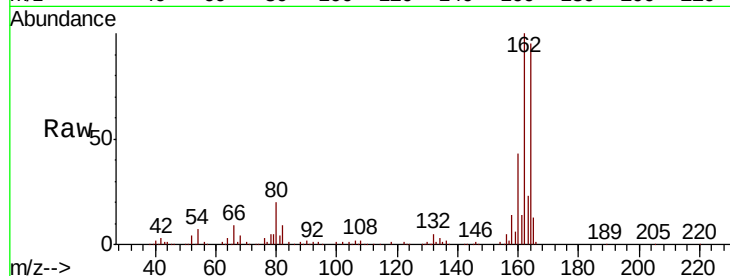




#57
 2,4-Dinitrotoluene
 Concen: 5.495 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG040219.D
 Acq: 29 Mar 2019 4:23

Instrument :
 BNA_G
 ClientSampleId :
 EPH-4-8-WC-001

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	33.8	50.6#
89	2.1	55.4	83.2#
182	0.0	2.2	3.4#

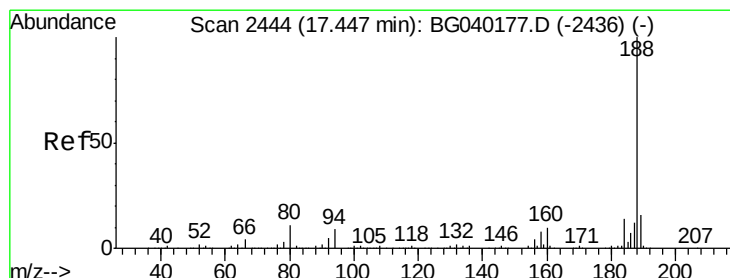
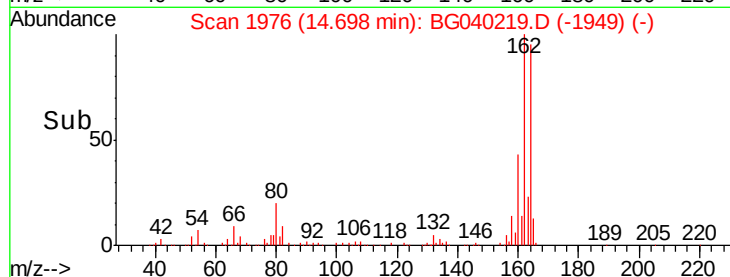
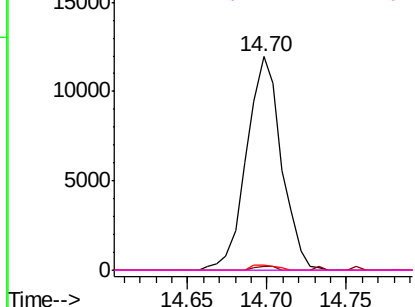


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

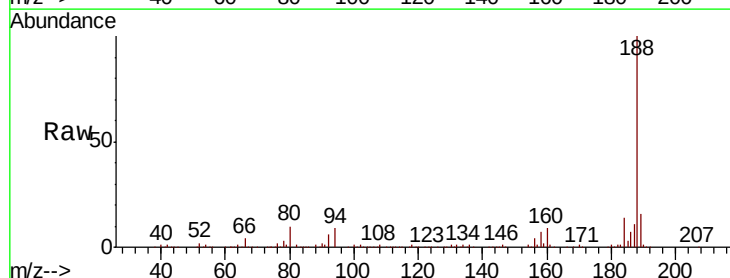
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG040219.D
 Acq: 29 Mar 2019 4:23

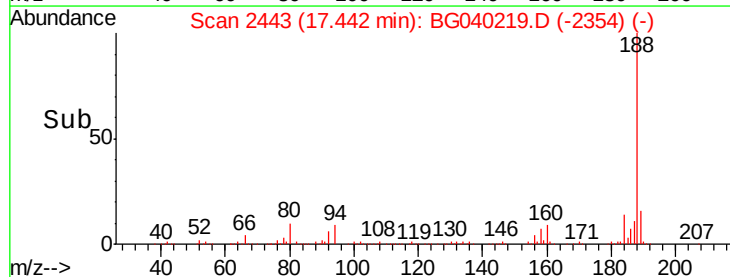
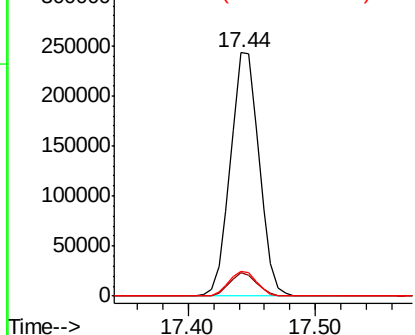
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.0	10.4
80	10.2	8.6	13.0

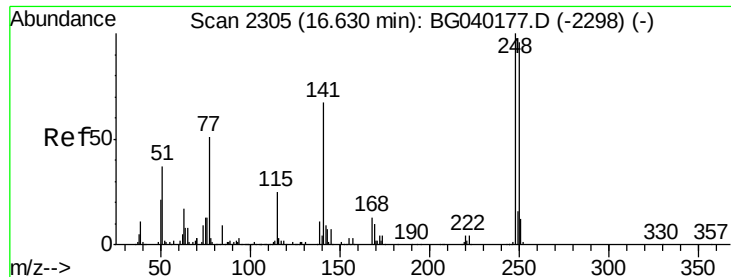


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

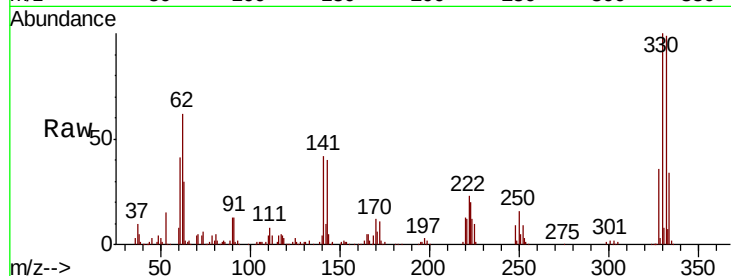




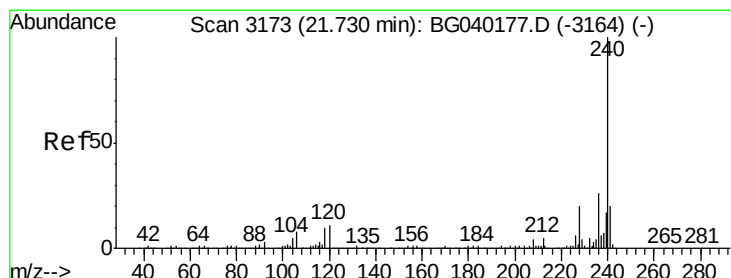
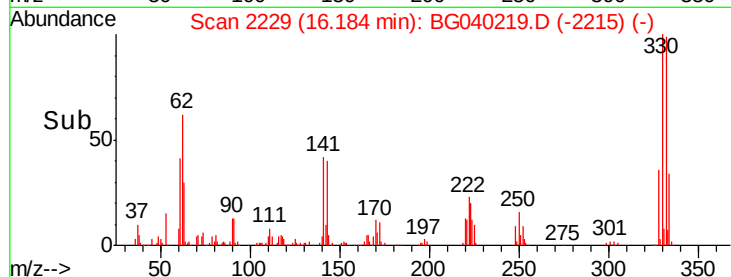
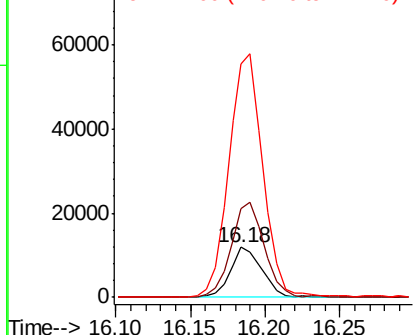
#67
 4-Bromophenyl-phenylether
 Concen: 4.160 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.45 min
 Lab File: BG040219.D
 Acq: 29 Mar 2019 4:23

Instrument :
 BNA_G
 ClientSampleId :
 EPH-4-8-WC-001

Tgt Ion:248 Resp: 17735
 Ion Ratio Lower Upper
 248 100
 250 177.4 76.4 114.6#
 141 466.8 53.8 80.8#

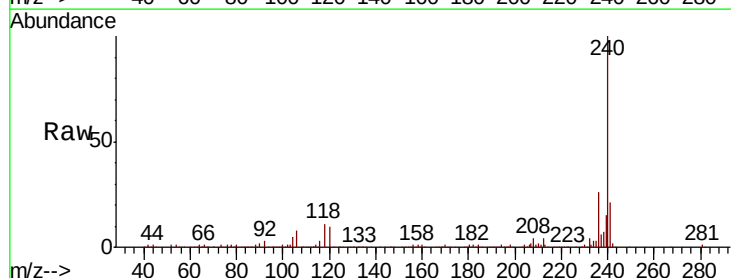


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

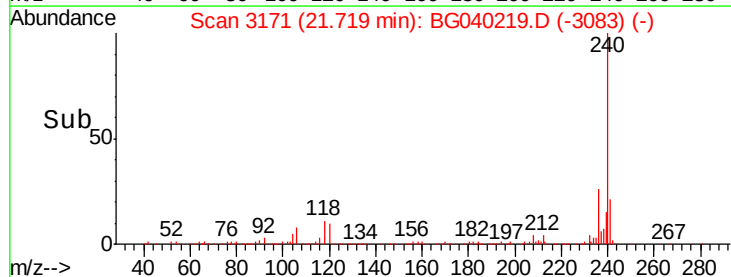
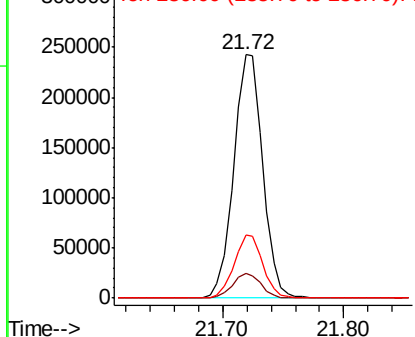


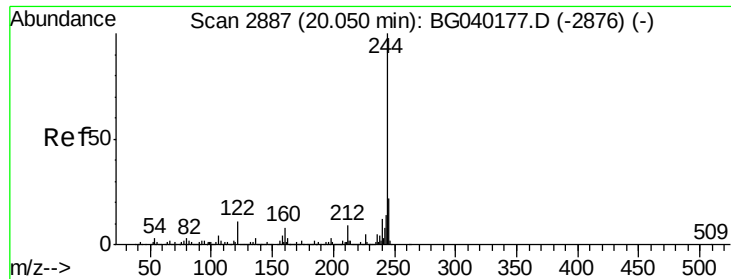
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG040219.D
 Acq: 29 Mar 2019 4:23

Tgt Ion:240 Resp: 405579
 Ion Ratio Lower Upper
 240 100
 120 10.3 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: 87.293 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG040219.D

Acq: 29 Mar 2019 4:23

Instrument :

BNA_G

ClientSampleId :

EPH-4-8-WC-001

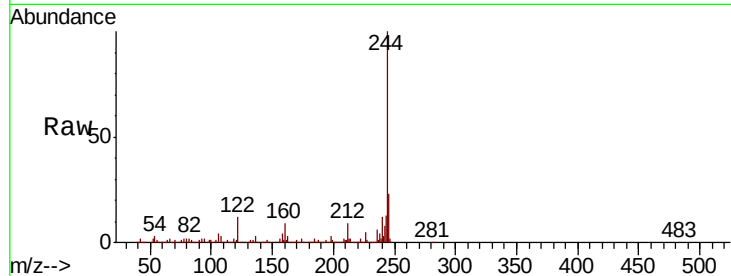
Tgt Ion:244 Resp: 1573772

Ion Ratio Lower Upper

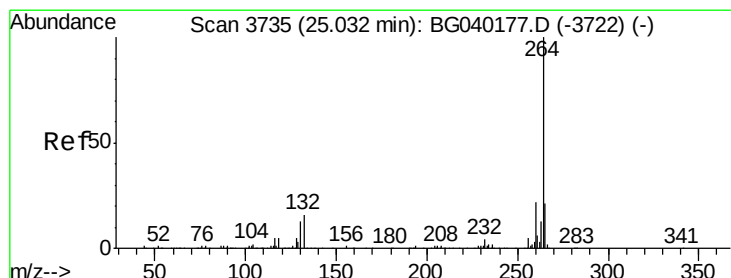
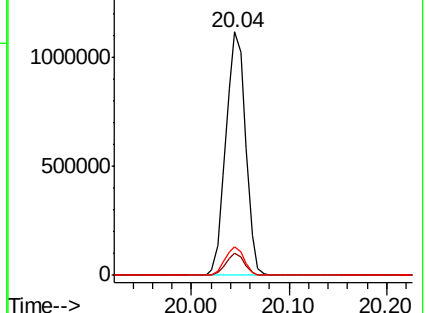
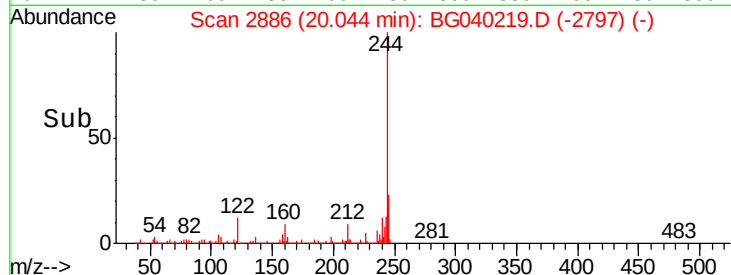
244 100

212 9.0 7.0 10.6

122 11.6 8.5 12.7



Abundance Ion 244.00 (243.70 to 244.70): E
1500000 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: 25.02 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG040219.D

Acq: 29 Mar 2019 4:23

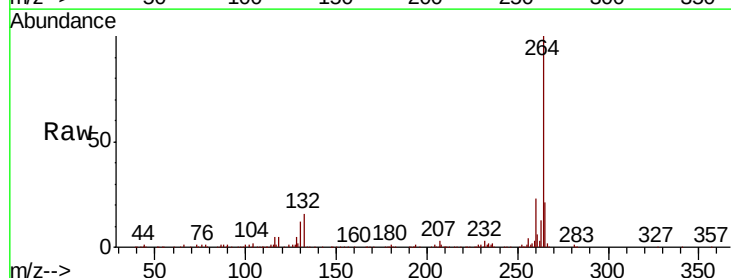
Tgt Ion:264 Resp: 402083

Ion Ratio Lower Upper

264 100

260 23.1 17.9 26.9

265 21.0 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E
150000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

