

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\
 Data File : BG040024.D
 Acq On : 20 Mar 2019 5:16
 Operator : JU/SJ
 Sample : PB117977TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117977TB

Quant Time: Mar 20 07:09:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	27788	20.00	ng	-0.03
21) Naphthalene-d8	10.97	136	119102	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	80090	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	215183	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	248400	20.00	ng	-0.03
87) Perylene-d12	25.16	264	239140	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	204477	125.54	ng	-0.02
7) Phenol-d6	7.29	99	287591	118.41	ng	-0.02
23) Nitrobenzene-d5	9.32	82	174705	79.33	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	111570	119.52	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	432832	76.95	ng	-0.02
79) Terphenyl-d14	20.11	244	879950	78.00	ng	-0.02

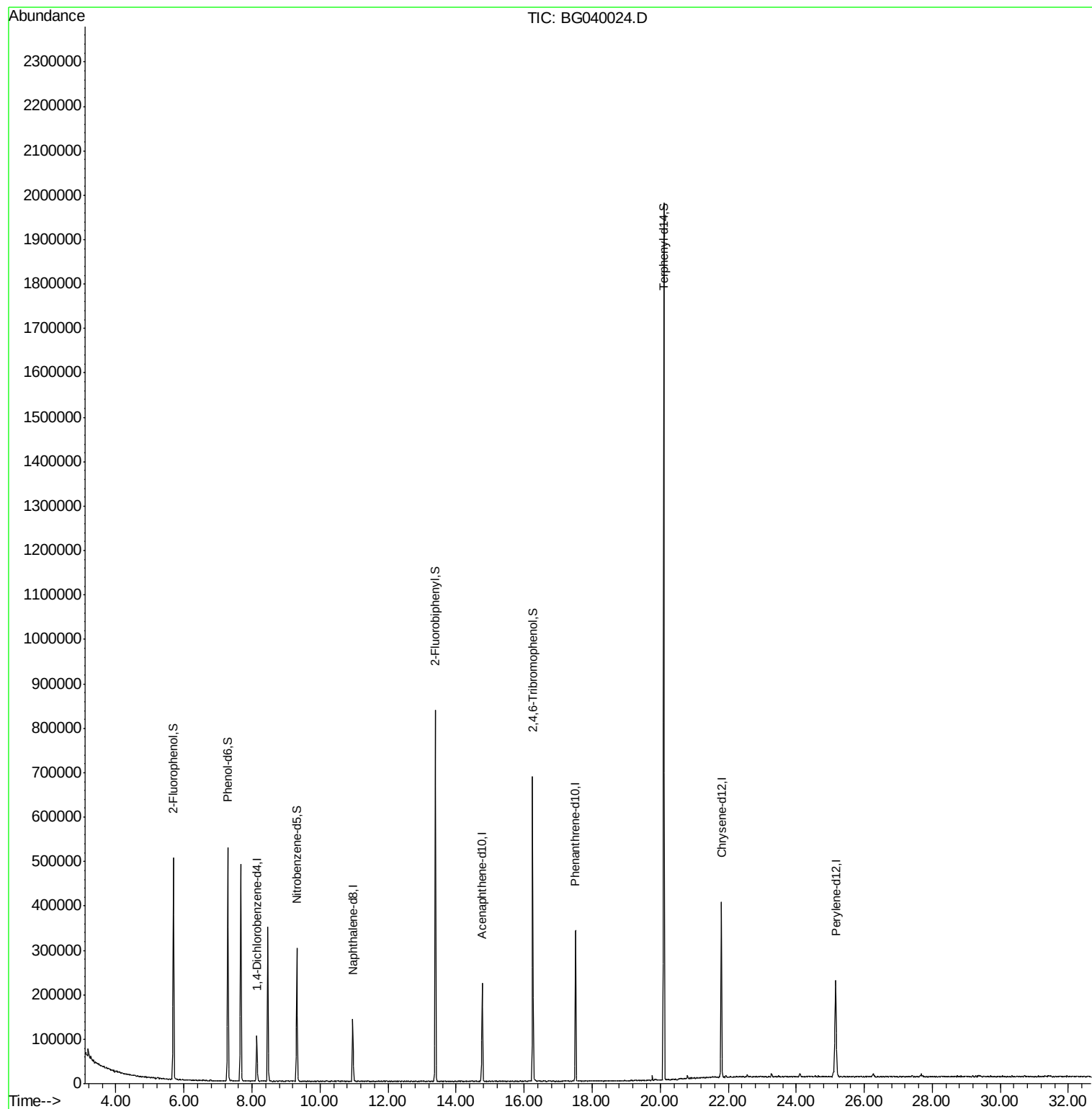
Target Compounds Qvalue

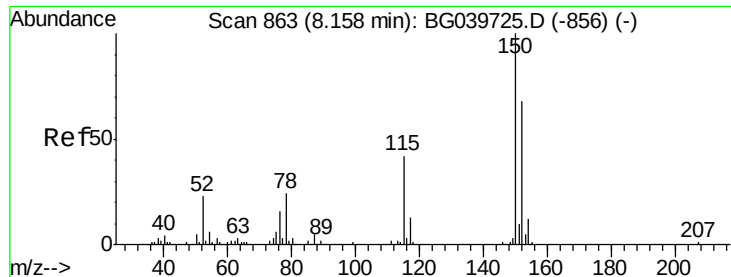
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040024.D

Acq: 20 Mar 2019 5:16

Instrument :

BNA_G

ClientSampleId :

PB117977TB

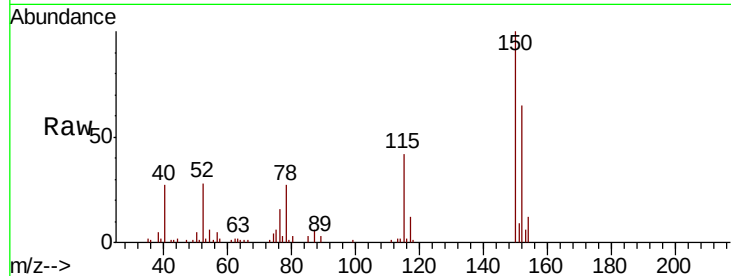
Tot Ion:152 Resp: 27788

Ion Ratio Lower Upper

152 100

150 154.0 123.7 185.5

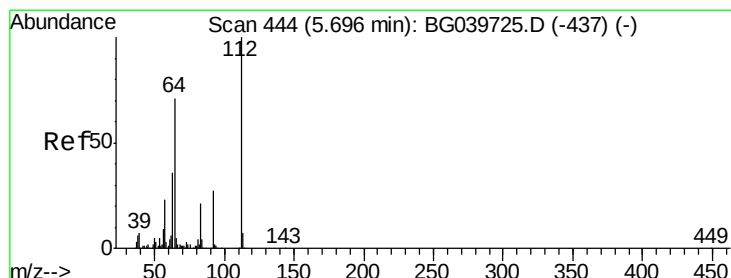
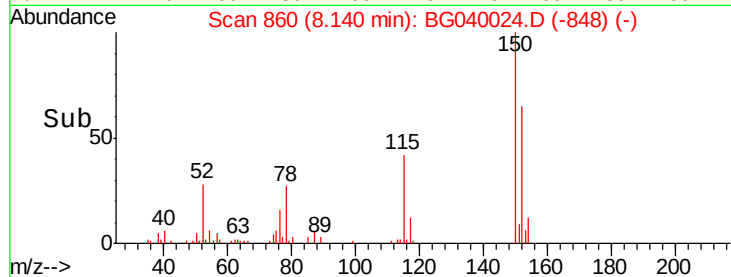
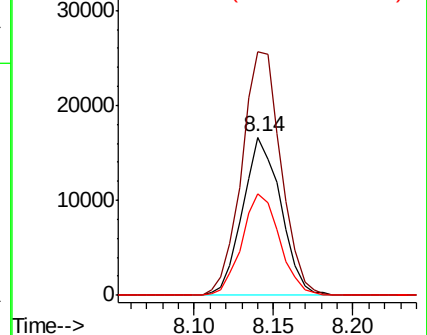
115 64.2 45.9 68.9



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: 125.536 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040024.D

Acq: 20 Mar 2019 5:16

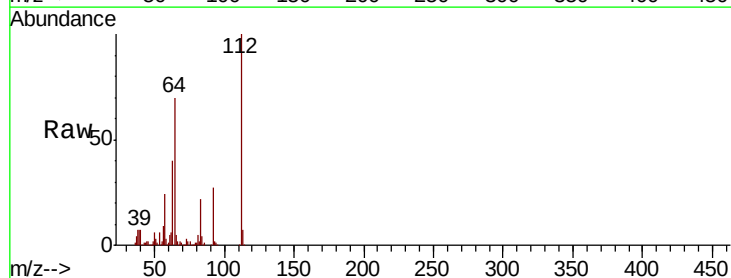
Tgt Ion:112 Resp: 204477

Ion Ratio Lower Upper

112 100

64 69.7 57.8 86.8

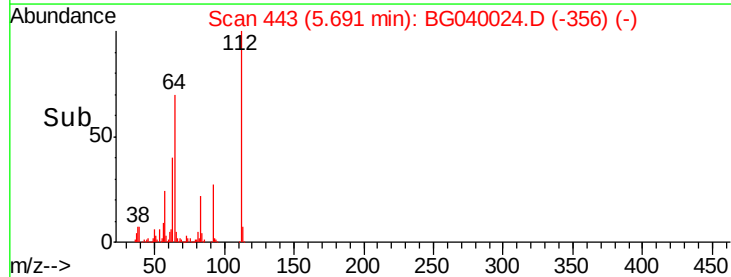
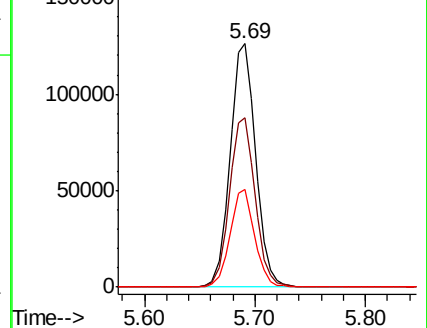
63 40.2 29.8 44.6

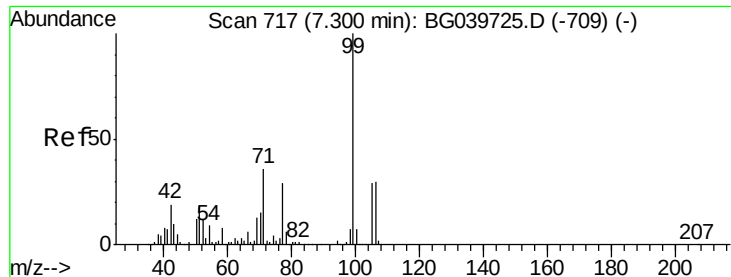


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 118.414 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040024.D

Acq: 20 Mar 2019 5:16

Instrument :

BNA_G

ClientSampleId :

PB117977TB

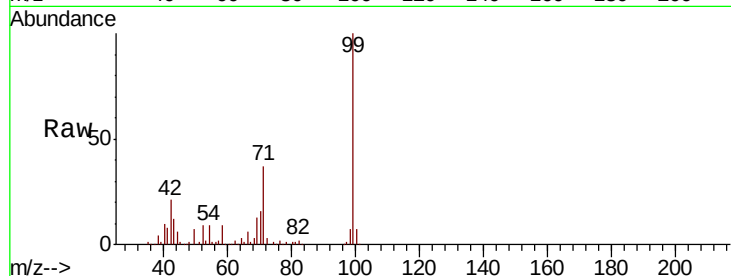
Tot Ion: 99 Resp: 287591

Ion Ratio Lower Upper

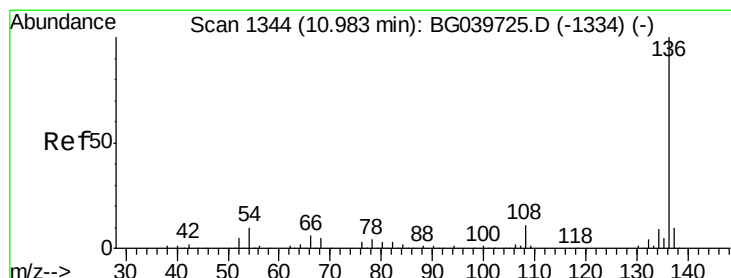
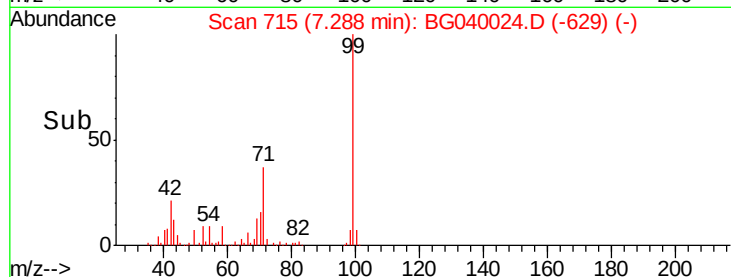
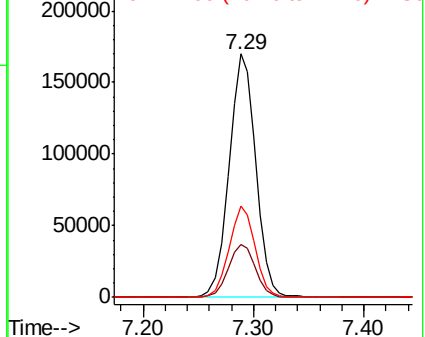
99 100

42 21.5 18.2 27.2

71 37.4 28.0 42.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG040024.D

Acq: 20 Mar 2019 5:16

Tgt Ion: 136 Resp: 119102

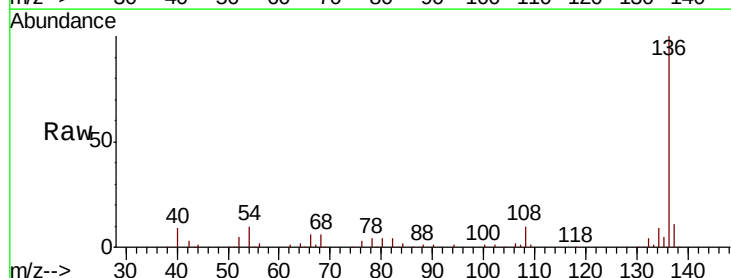
Ion Ratio Lower Upper

136 100

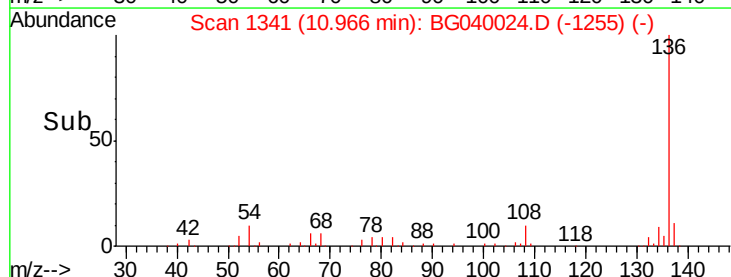
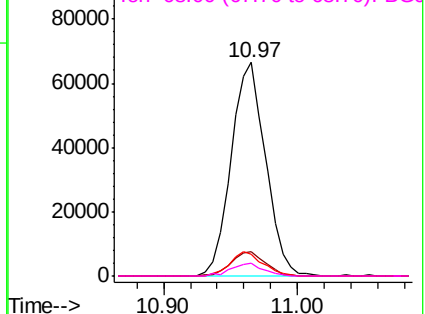
137 11.2 9.1 13.7

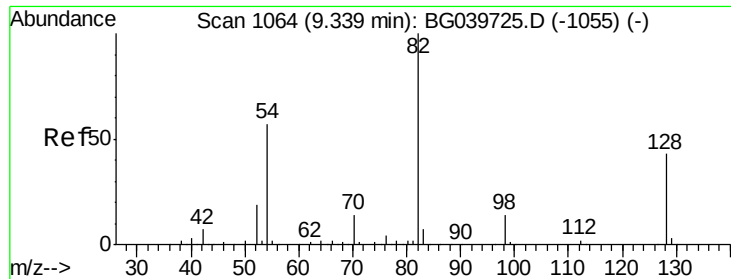
54 10.4 9.4 14.2

68 5.9 4.2 6.4



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

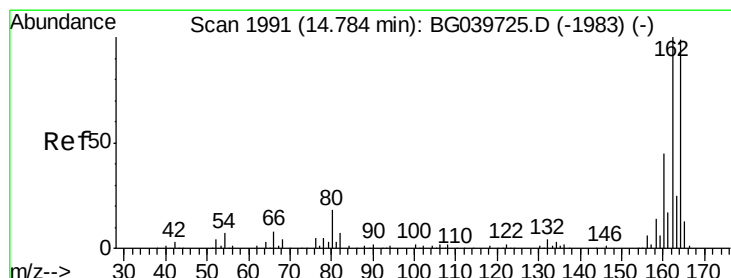
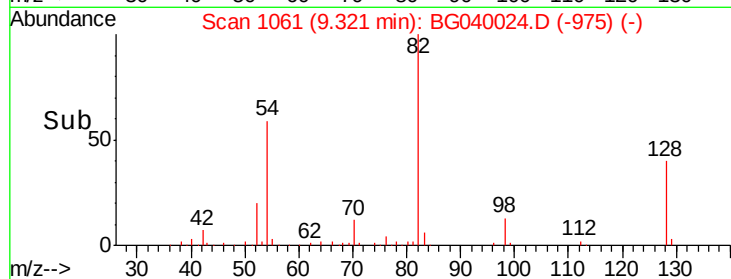
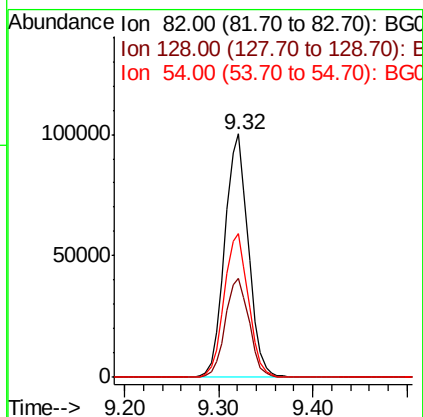
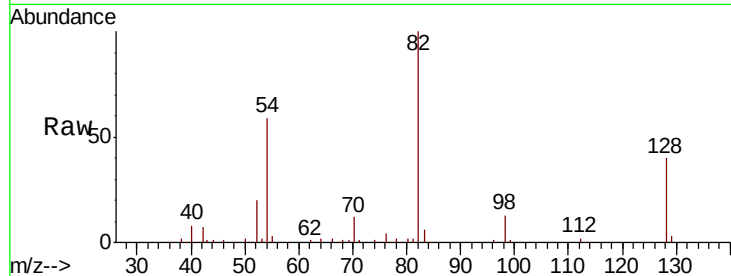




#23
 Nitrobenzene-d5
 Concen: 79.333 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040024.D
 Acq: 20 Mar 2019 5:16

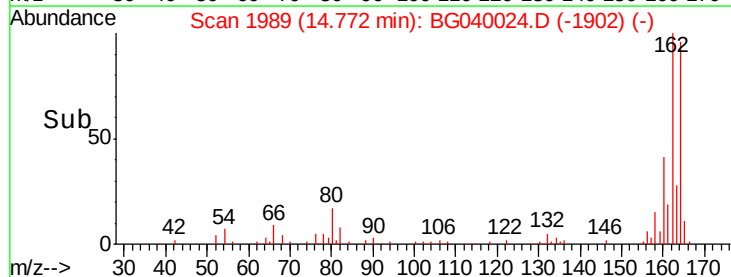
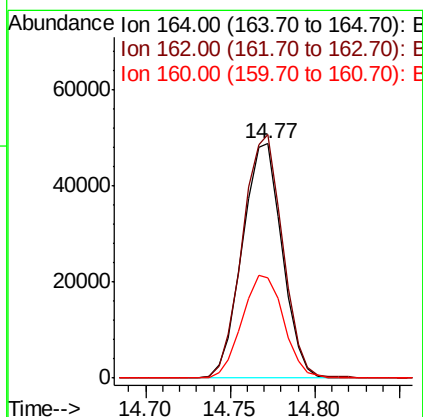
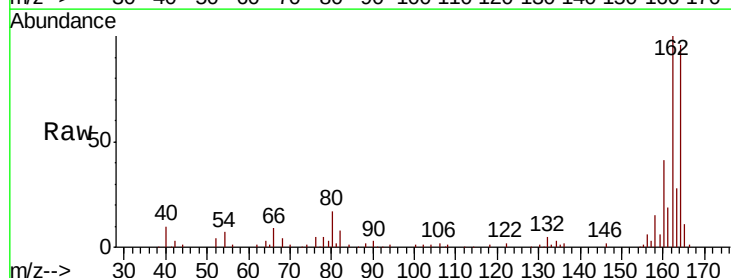
Instrument :
 BNA_G
 ClientSampleId :
 PB117977TB

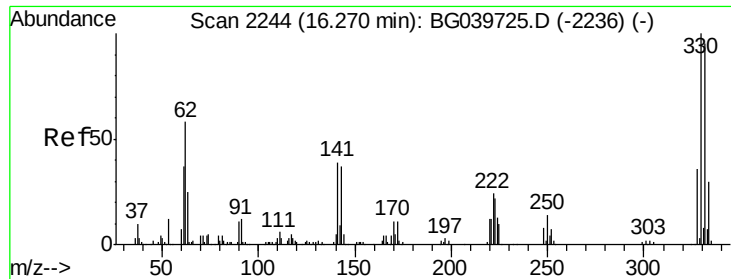
Tot Ion: 82 Resp: 174705
 Ion Ratio Lower Upper
 82 100
 128 40.5 31.3 46.9
 54 58.9 50.9 76.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BG040024.D
 Acq: 20 Mar 2019 5:16

Tgt Ion: 164 Resp: 80090
 Ion Ratio Lower Upper
 164 100
 162 104.0 81.6 122.4
 160 42.9 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 119.517 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040024.D

Acq: 20 Mar 2019 5:16

Instrument :

BNA_G

ClientSampleId :

PB117977TB

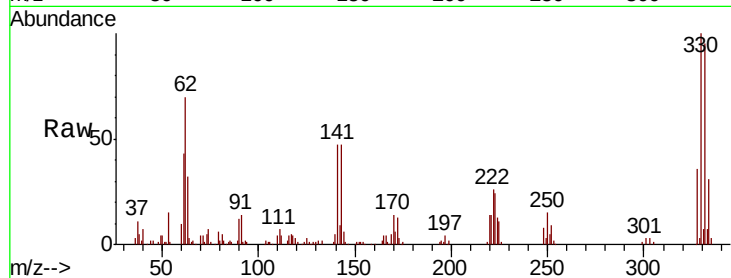
Tot Ion:330 Resp: 111570

Ion Ratio Lower Upper

330 100

332 95.4 75.7 113.5

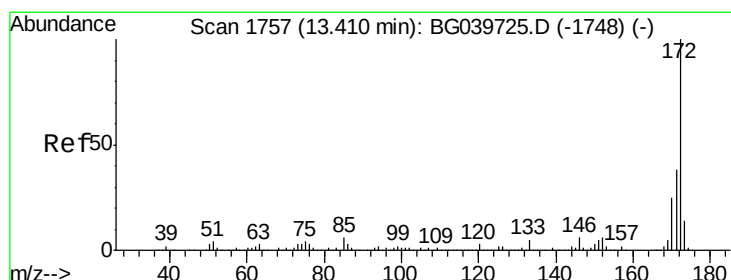
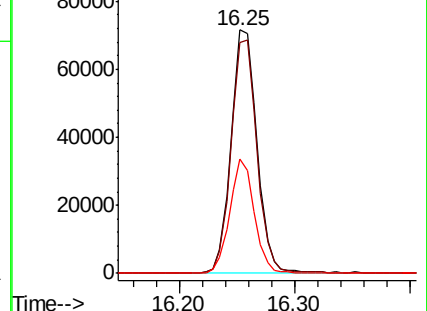
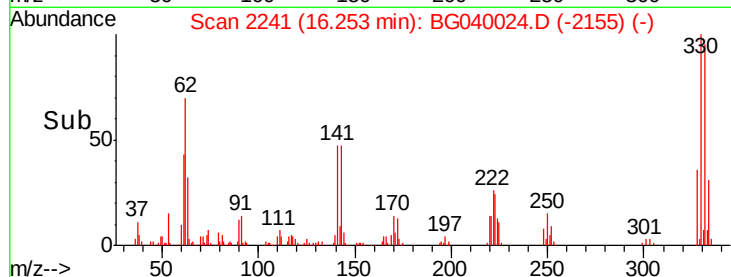
141 44.3 35.6 53.4



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: 76.948 ng

RT: 13.39 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BG040024.D

Acq: 20 Mar 2019 5:16

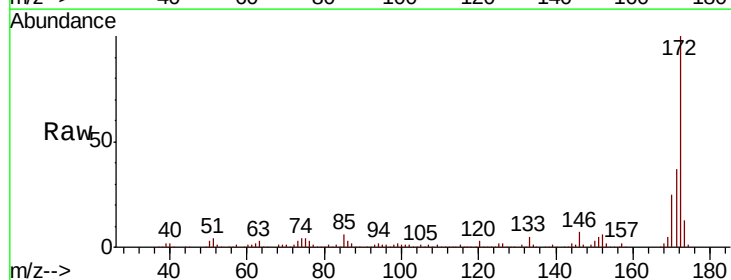
Tgt Ion:172 Resp: 432832

Ion Ratio Lower Upper

172 100

171 36.9 30.8 46.2

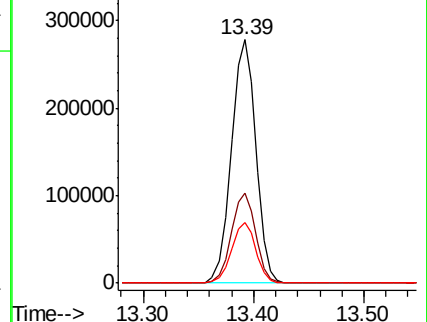
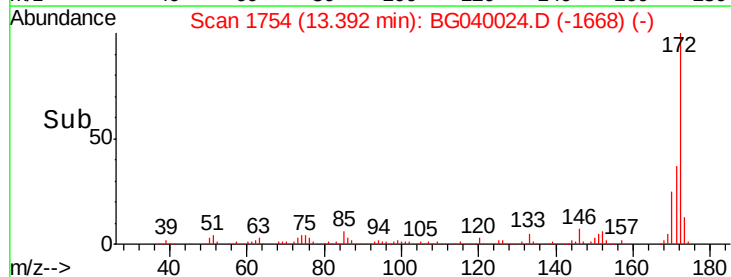
170 25.0 20.2 30.4

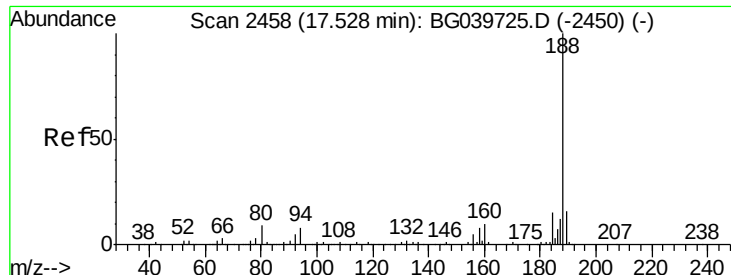


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

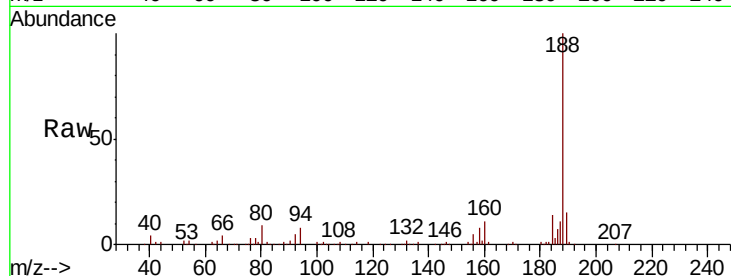




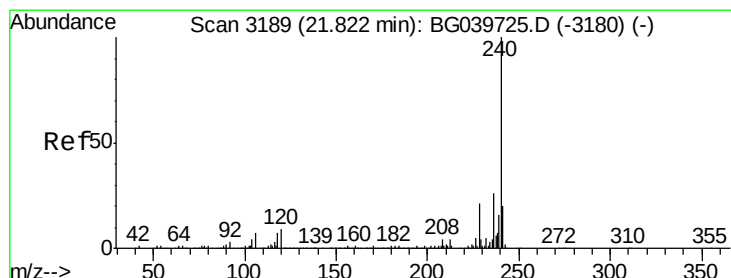
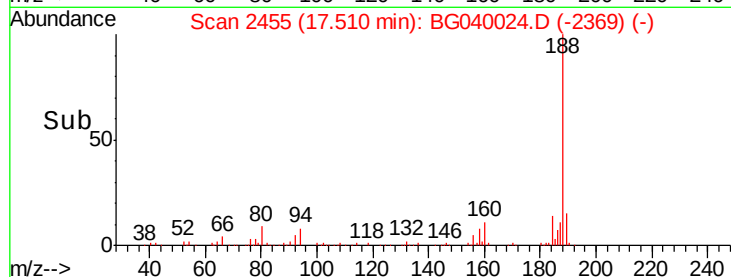
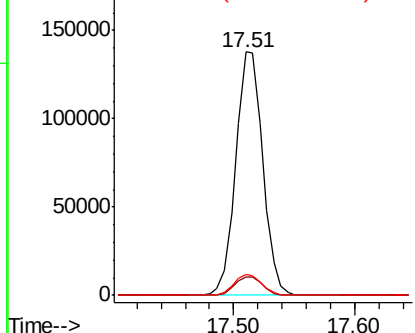
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BG040024.D
Acq: 20 Mar 2019 5:16

Instrument :
BNA_G
ClientSampleId :
PB117977TB

Tot Ion:188 Resp: 215183
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 8.6 8.1 12.1

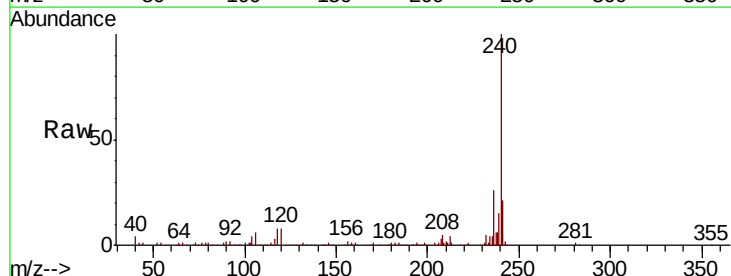


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

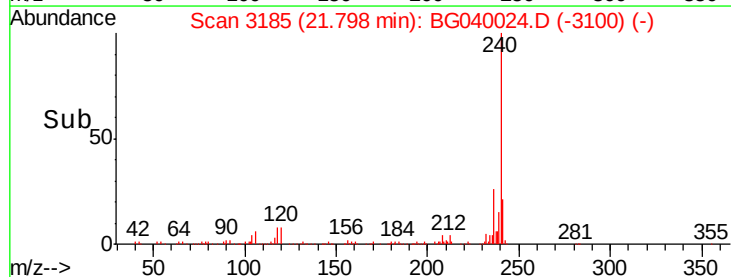
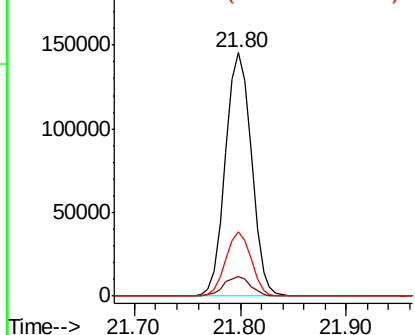


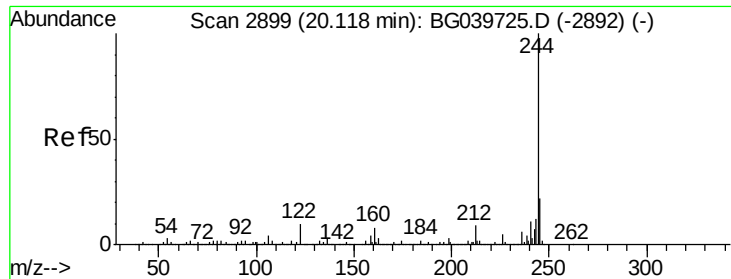
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040024.D
Acq: 20 Mar 2019 5:16

Tgt Ion:240 Resp: 248400
Ion Ratio Lower Upper
240 100
120 7.9 7.0 10.6
236 26.4 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: 77.998 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040024.D

Acq: 20 Mar 2019 5:16

Instrument :

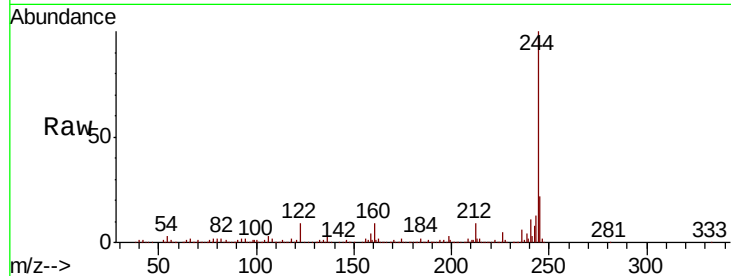
BNA_G

ClientSampleId :

PB117977TB

Tot Ion:244 Resp: 879950

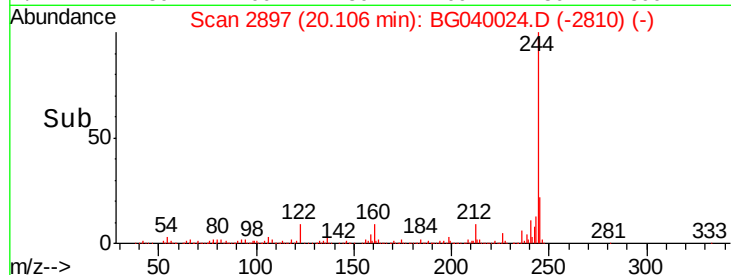
Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.3	10.9
122	9.1	8.4	12.6



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



Time-->

20.11

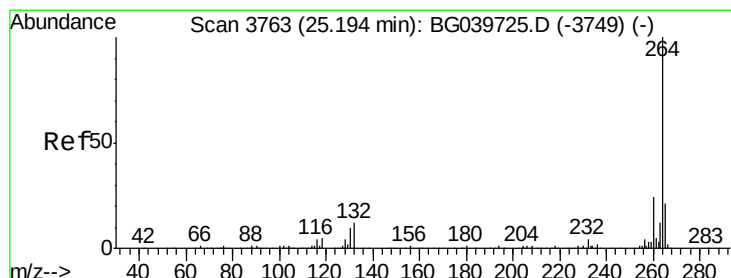
600000

400000

200000

0

20.10 20.20



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3757

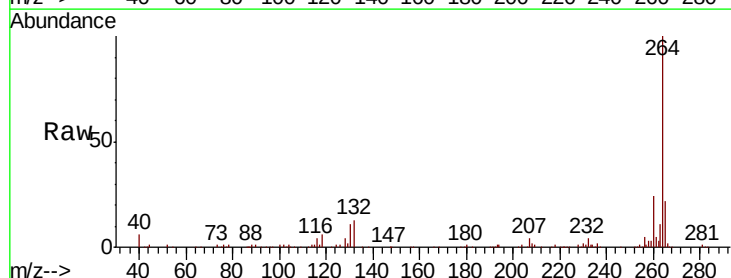
Delta R.T. -0.04 min

Lab File: BG040024.D

Acq: 20 Mar 2019 5:16

Tgt Ion:264 Resp: 239140

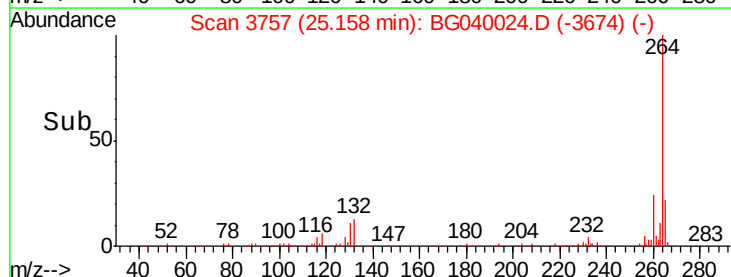
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	21.6	18.5	27.7



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



Time-->

25.16

100000

80000

60000

40000

20000

0

25.00 25.10 25.20 25.30