

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
 Data File : BG041150.D
 Acq On : 9 Jun 2019 2:54
 Operator : HP/JU
 Sample : 8270PBBL2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 8270PBBL2

Quant Time: Jun 10 05:22:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	35214	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	150839	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	115656	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	305365	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	315172	20.00	ng	-0.03
87) Perylene-d12	25.08	264	326591	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	288980	147.98	ng	-0.02
7) Phenol-d6	7.25	99	430987	142.90	ng	-0.02
23) Nitrobenzene-d5	9.28	82	299371	88.11	ng	-0.02
42) 2,4,6-Tribromophenol	16.22	330	249083	145.07	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	756241	94.16	ng	-0.02
79) Terphenyl-d14	20.08	244	1432175	96.44	ng	-0.02

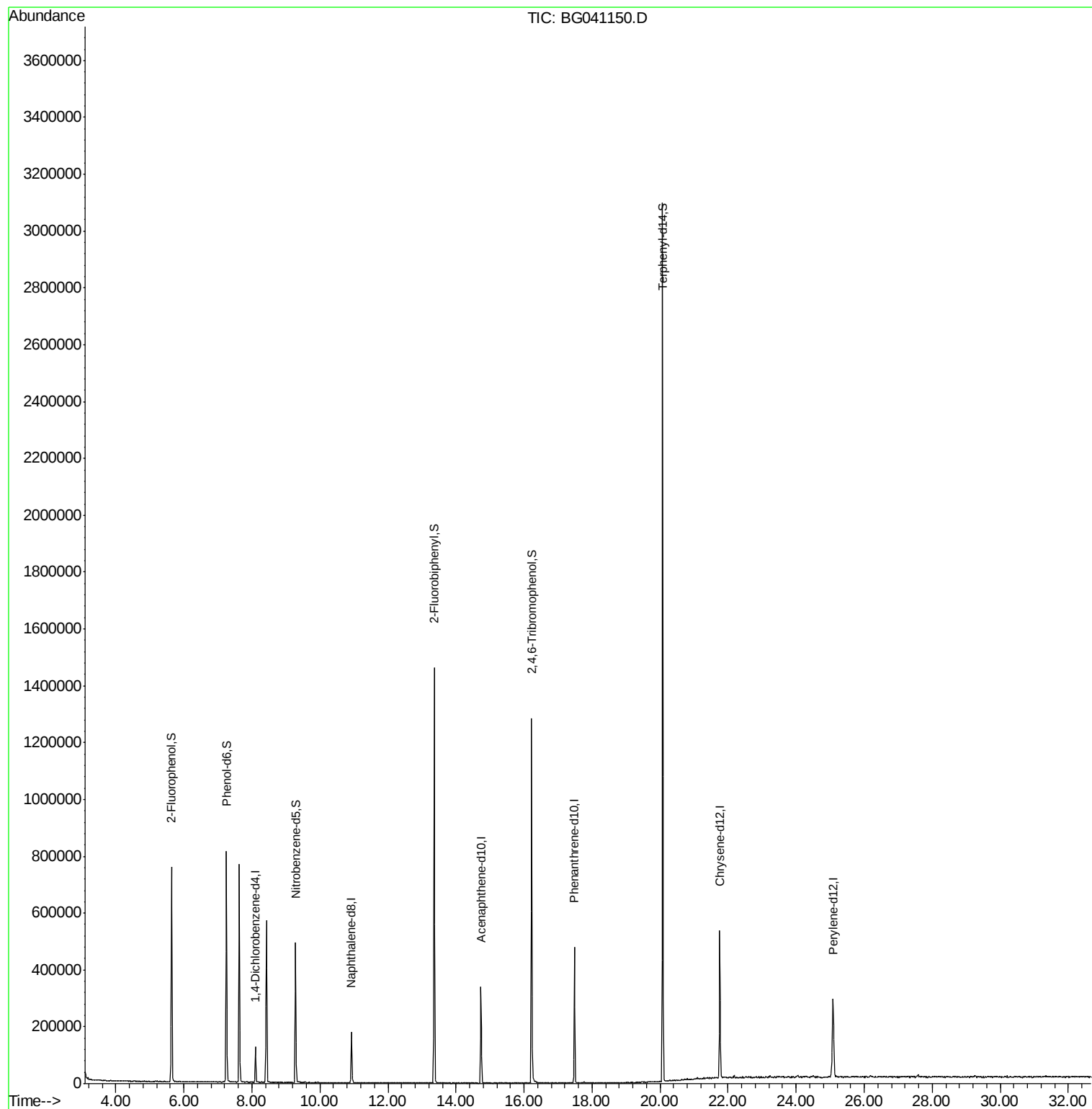
Target Compounds Qvalue

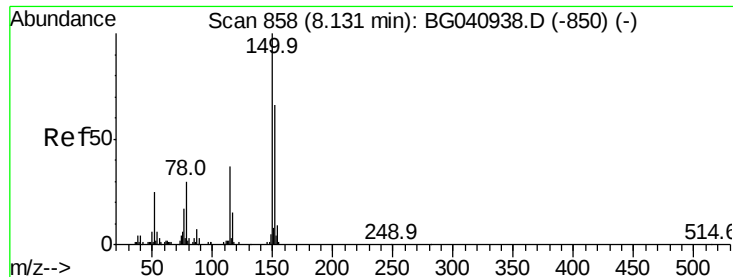
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 853

Delta R.T. -0.03 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

Instrument :

BNA_G

ClientSampleId :

8270PBBL2

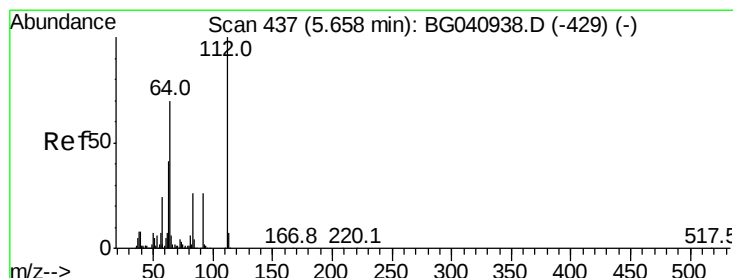
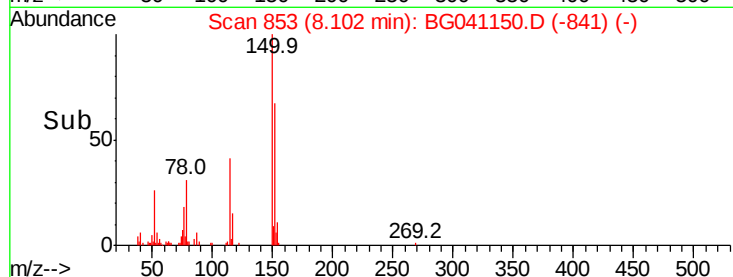
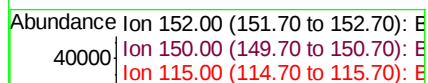
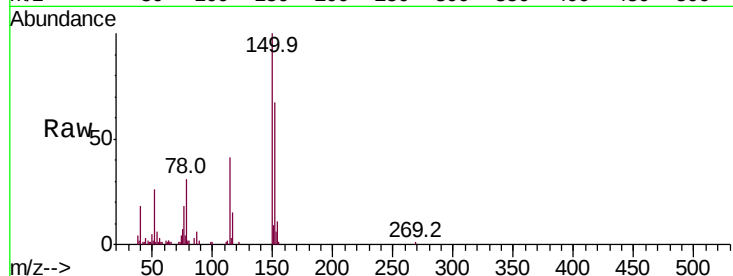
Tot Ion:152 Resp: 35214

Ion Ratio Lower Upper

152 100

150 149.9 120.6 180.8

115 61.4 45.1 67.7



#5

2-Fluorophenol

Concen: 147.979 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.02 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

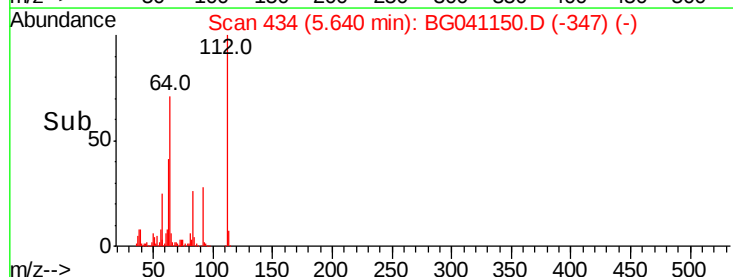
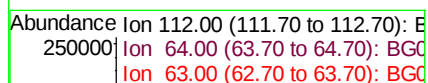
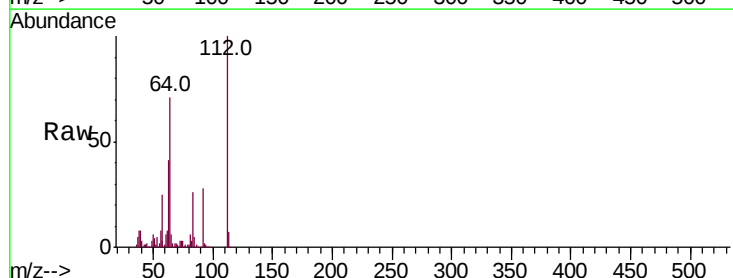
Tgt Ion:112 Resp: 288980

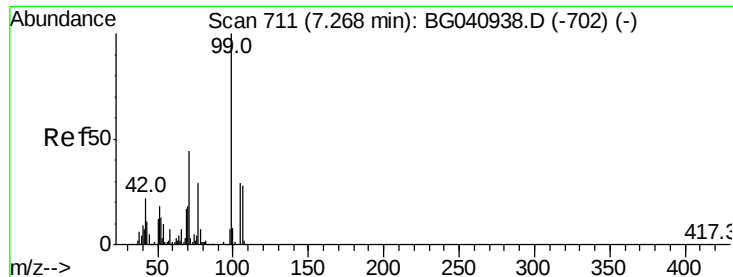
Ion Ratio Lower Upper

112 100

64 71.0 56.2 84.2

63 41.0 32.8 49.2





#7

Phenol-d6

Concen: 142.902 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

Instrument :

BNA_G

ClientSampleId :

8270PBBL2

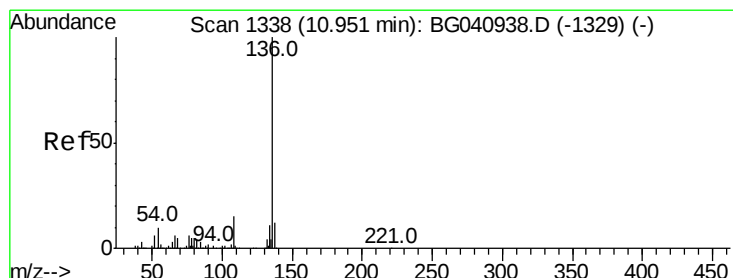
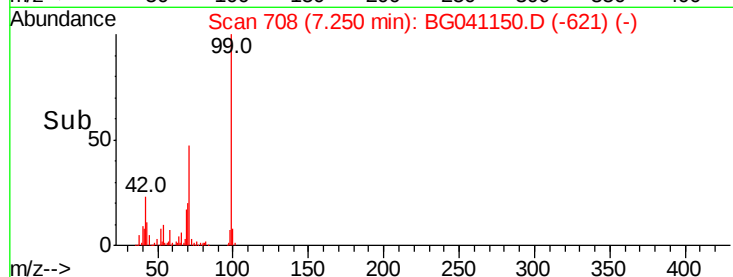
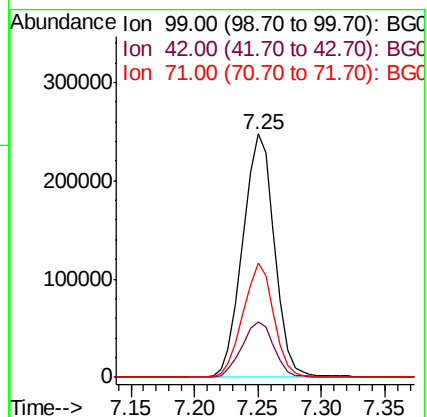
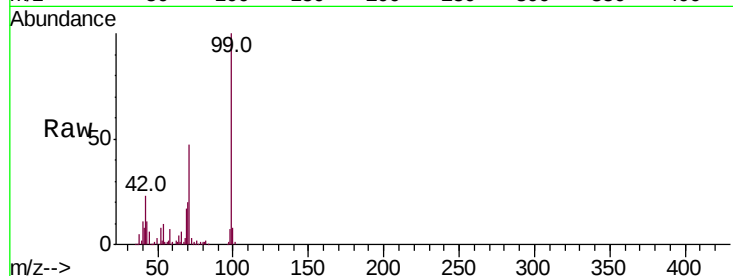
Tot Ion: 99 Resp: 430987

Ion Ratio Lower Upper

99 100

42 22.6 17.9 26.9

71 47.0 35.4 53.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

Tgt Ion: 136 Resp: 150839

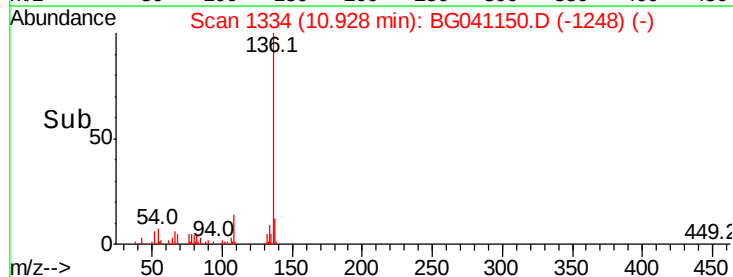
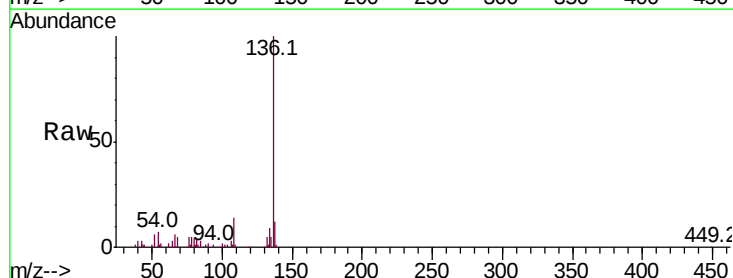
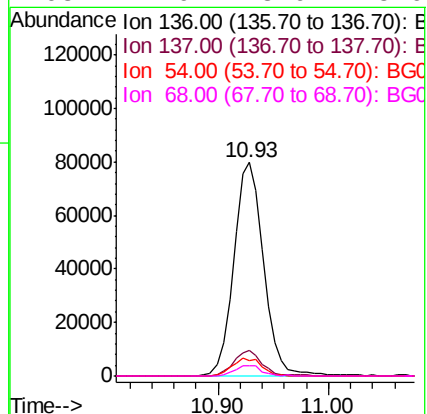
Ion Ratio Lower Upper

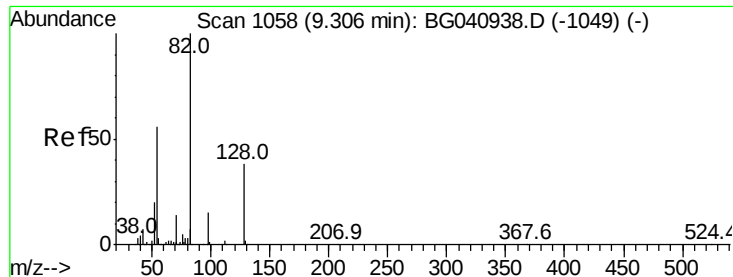
136 100

137 12.3 9.5 14.3

54 7.1 7.6 11.4#

68 4.9 3.9 5.9





#23

Nitrobenzene-d5

Concen: 88.108 ng

RT: 9.28 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

Instrument :

BNA_G

ClientSampleId :

8270PBBL2

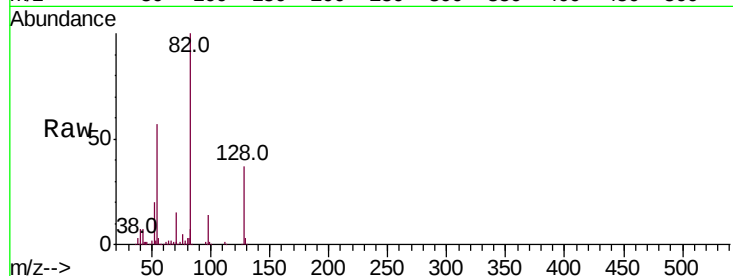
Tot Ion: 82 Resp: 299371

Ion Ratio Lower Upper

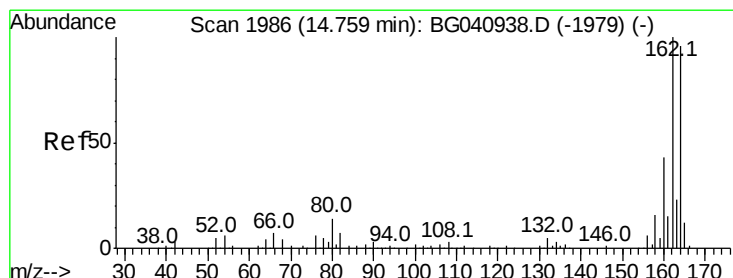
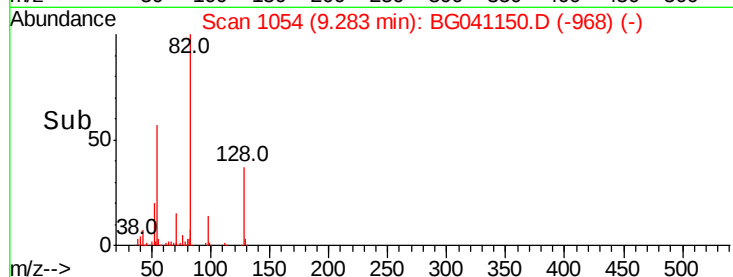
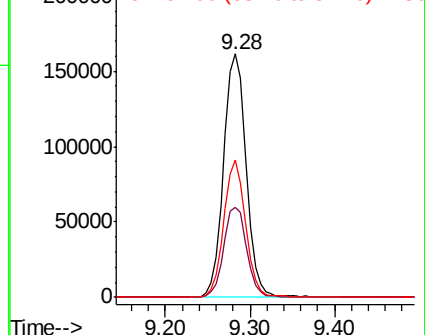
82 100

128 37.1 30.5 45.7

54 56.7 44.6 66.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.02 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

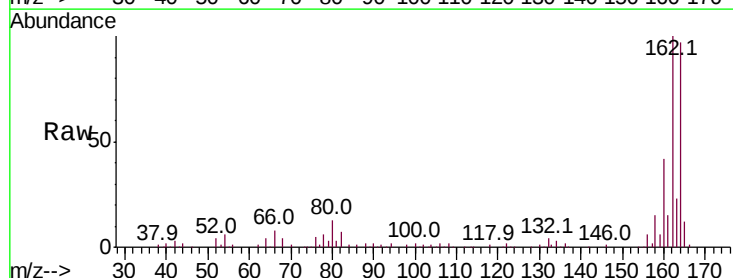
Tgt Ion: 164 Resp: 115656

Ion Ratio Lower Upper

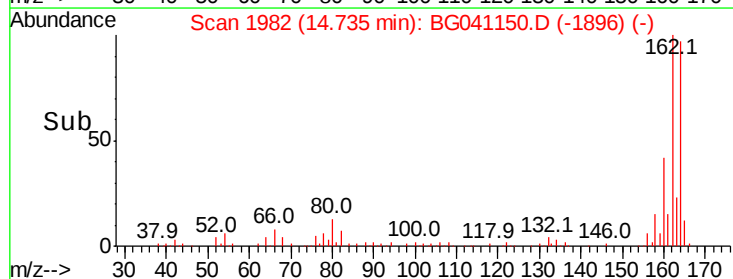
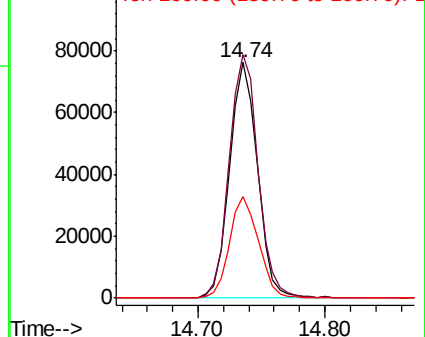
164 100

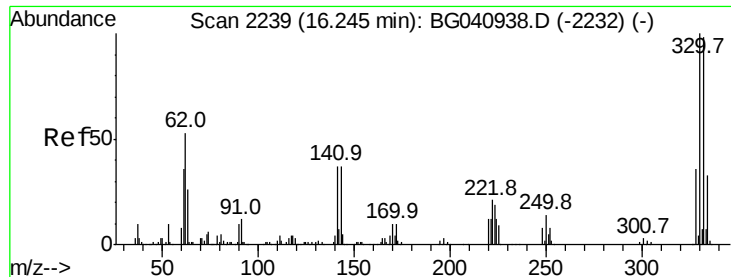
162 103.4 83.0 124.4

160 43.2 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 145.069 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

Instrument :

BNA_G

ClientSampleId :

8270PBBL2

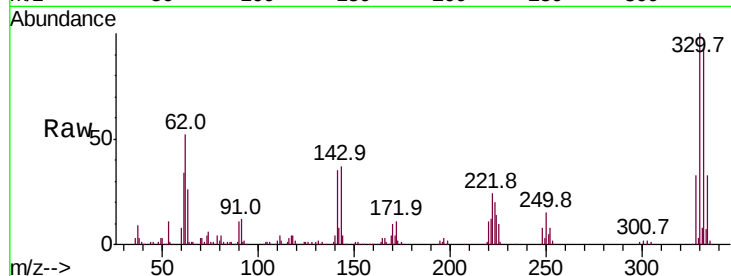
Tot Ion:330 Resp: 249083

Ion Ratio Lower Upper

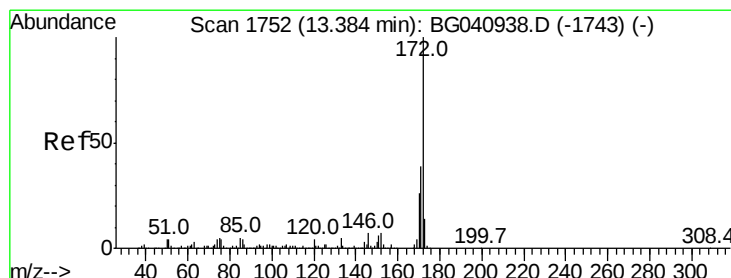
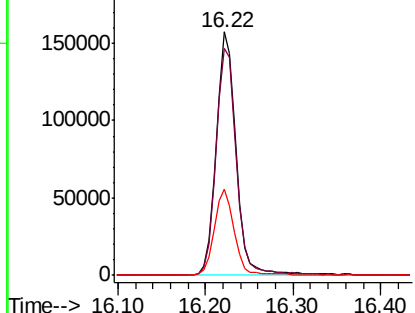
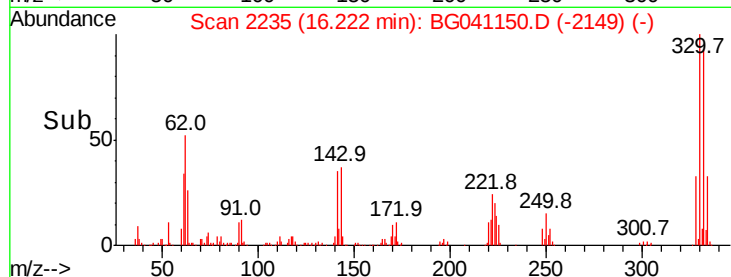
330 100

332 96.1 78.5 117.7

141 35.5 28.7 43.1



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: 94.164 ng

RT: 13.36 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

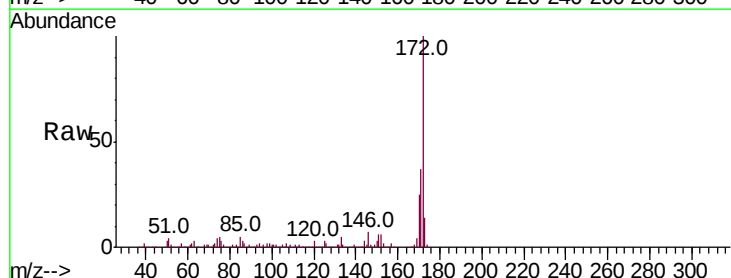
Tgt Ion:172 Resp: 756241

Ion Ratio Lower Upper

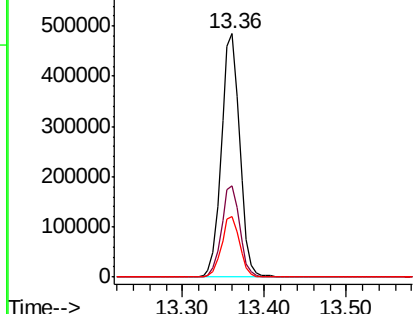
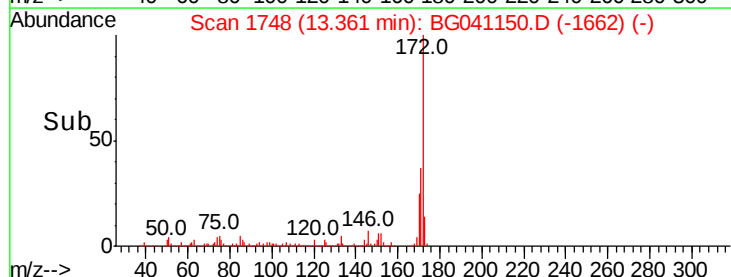
172 100

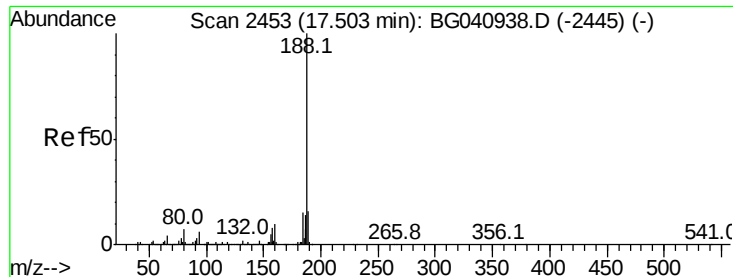
171 37.5 31.1 46.7

170 25.1 20.5 30.7



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: 17.48 min Scan# 2449

Delta R.T. -0.02 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

Instrument :

BNA_G

ClientSampleId :

8270PBBL2

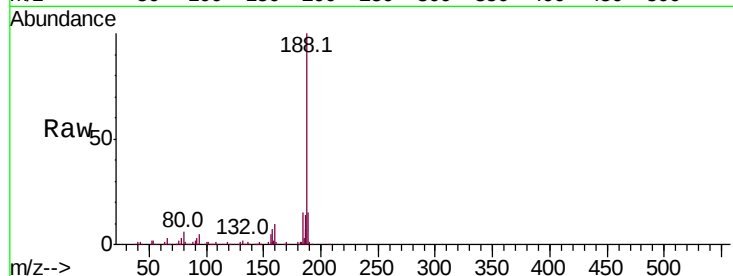
Tot Ion:188 Resp: 305365

Ion Ratio Lower Upper

188 100

94 5.1 4.7 7.1

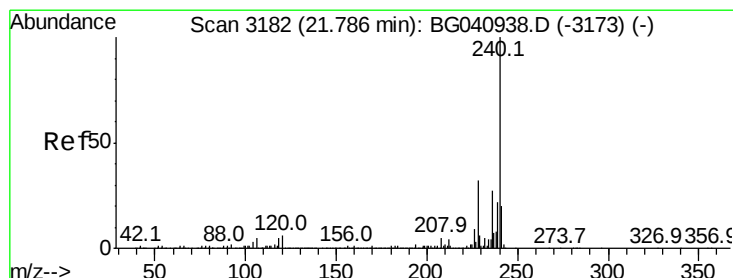
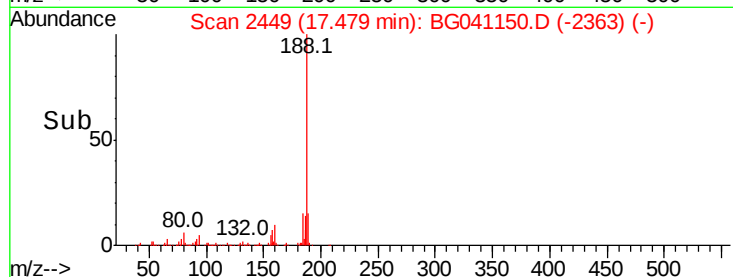
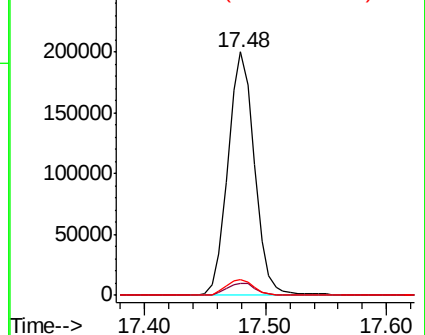
80 6.5 5.8 8.8



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: 21.76 min Scan# 3177

Delta R.T. -0.03 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

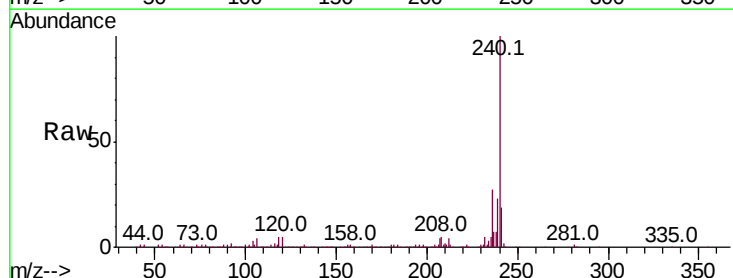
Tgt Ion:240 Resp: 315172

Ion Ratio Lower Upper

240 100

120 4.5 4.5 6.7

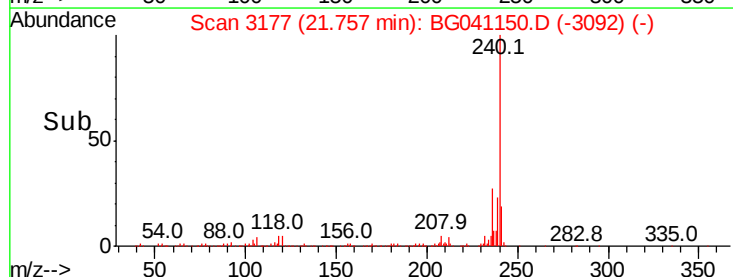
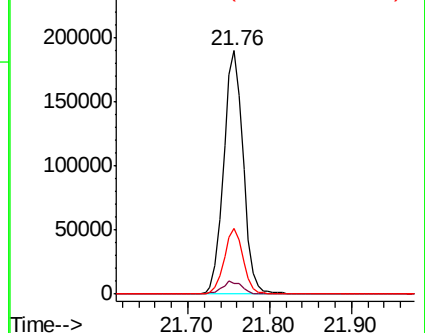
236 27.0 21.3 31.9

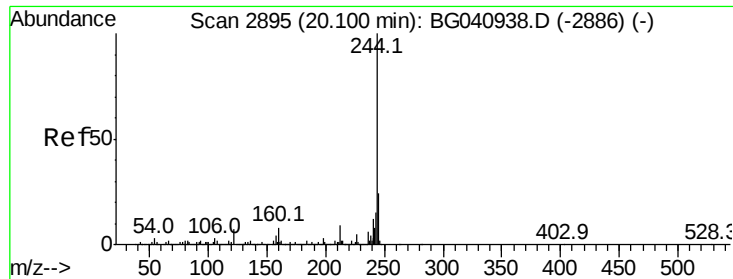


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 96.442 ng

RT: 20.08 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

Instrument :

BNA_G

ClientSampleId :

8270PBBL2

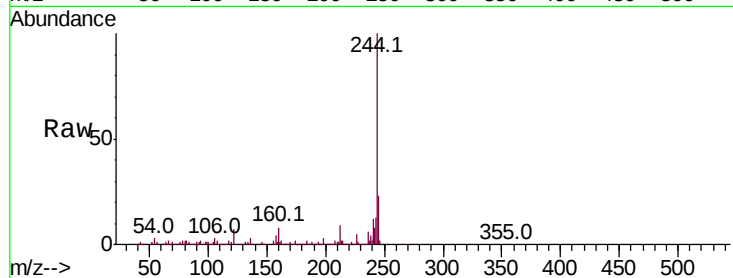
Tot Ion:244 Resp: 1432175

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.4
122	6.9	5.4	8.0

244 100

212 8.9 7.0 10.4

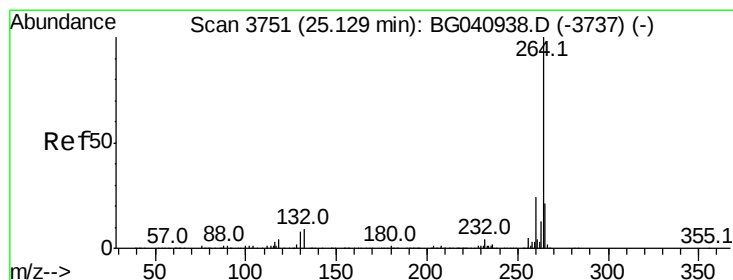
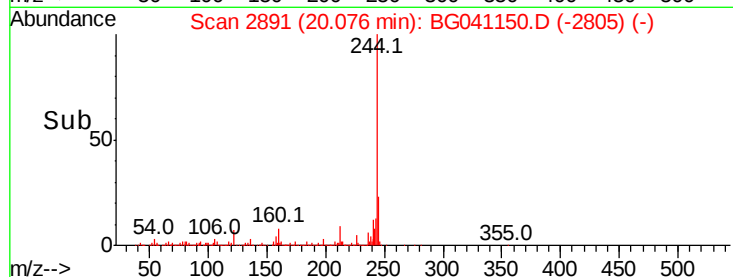
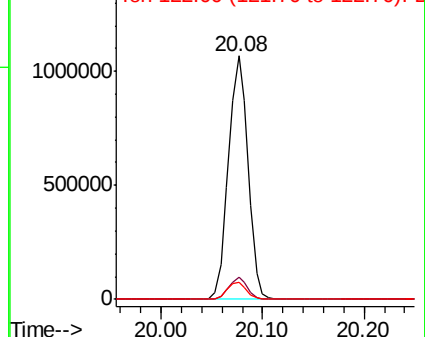
122 6.9 5.4 8.0



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: 25.08 min Scan# 3743

Delta R.T. -0.05 min

Lab File: BG041150.D

Acq: 9 Jun 2019 2:54

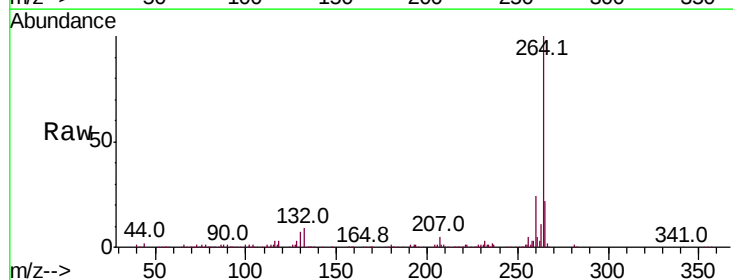
Tgt Ion:264 Resp: 326591

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	21.8	17.0	25.4

264 100

260 24.3 19.0 28.4

265 21.8 17.0 25.4



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

