

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091366.D
 Acq On : 15 Jan 2016 00:50
 Operator : UM/IZ
 Sample : H1123-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TGV-PS-001

Quant Time: Jan 15 01:35:26 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 23:29:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	17621	5.00	ng	0.00
4) Naphthalene-d8	9.56	136	70170	5.00	ng	0.02
8) Acenaphthene-d10	13.36	164	36364	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	109176	5.00	ng	0.00
18) Chrysene-d12	20.22	240	103399	5.00	ng	0.00
24) Perylene-d12	22.10	264	86814	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.92	112	18642	6.86	ng	-0.03
3) Phenol-d6	6.55	99	28268	6.03	ng	-0.02
5) Nitrobenzene-d5	8.18	82	17665	4.34	ng	0.01
9) 2,4,6-Tribromophenol	14.89	330	4951	4.15	ng	0.00
10) 2-Fluorobiphenyl	12.01	172	36487	4.64	ng	0.00
20) Terphenyl-d14	18.62	244	62526	4.28	ng	0.00

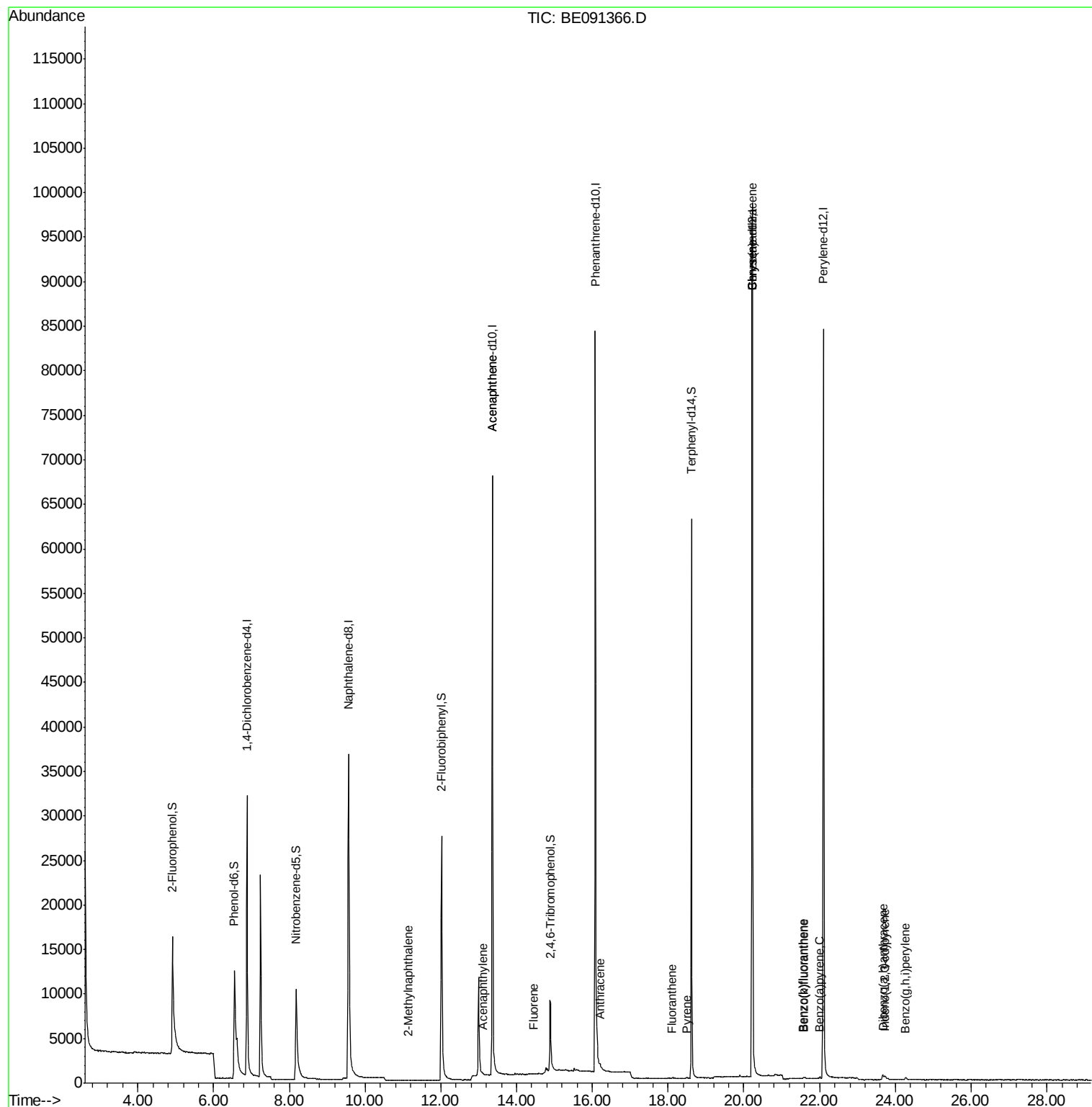
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) 2-Methylnaphthalene	11.15	142	2	0.37	ng	# 62
11) Acenaphthylene	13.13	152	116	0.27	ng	# 3
12) Acenaphthene	13.35	154	315	0.03	ng	# 1
13) Fluorene	14.44	166	40	0.14	ng	# 6
16) Anthracene	16.21	178	98	0.24	ng	# 60
17) Fluoranthene	18.11	202	88	0.28	ng	# 67
19) Pyrene	18.50	202	79	0.40	ng	# 94
21) Benzo(a)anthracene	20.22	228	512	0.41	ng	# 71
22) Chrysene	20.22	228	512	0.02	ng	# 73
23) Indeno(1,2,3-cd)pyrene	23.72	276	740	0.37	ng	# 83
25) Benzo(b)fluoranthene	21.56	252	164	0.29	ng	# 22
26) Benzo(k)fluoranthene	21.59	252	216	0.27	ng	# 19
27) Benzo(a)pyrene	22.01	252	198	0.27	ng	# 19
28) Dibenzo(a,h)anthracene	23.67	278	786	0.48	ng	# 70
29) Benzo(g,h,i)perylene	24.27	276	472	0.36	ng	# 59

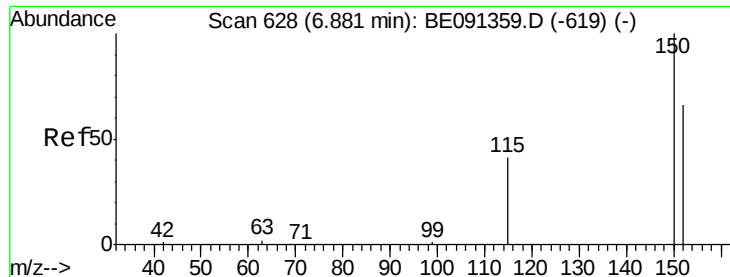
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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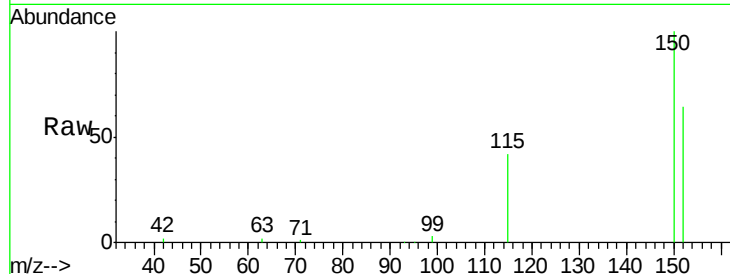




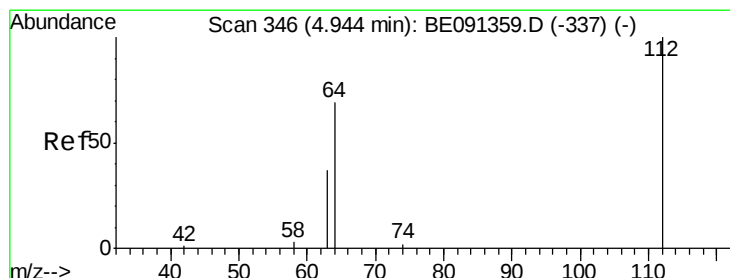
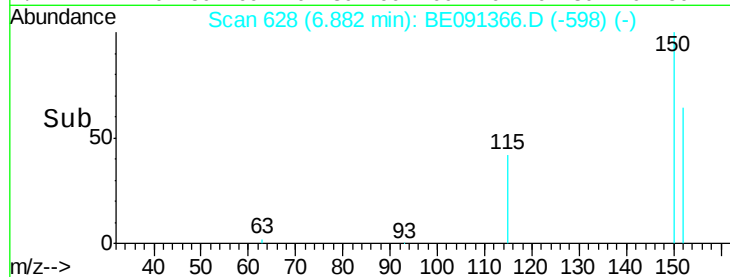
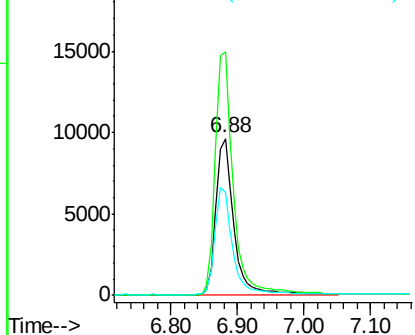
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.88 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BE091366.D
 Acq: 15 Jan 2016 00:50

Instrument :
 BNA_E
 ClientSampleId :
 TGV-PS-001

Tgt Ion:152 Resp: 17621
 Ion Ratio Lower Upper
 152 100
 150 155.2 121.6 182.4
 115 65.6 50.6 75.8

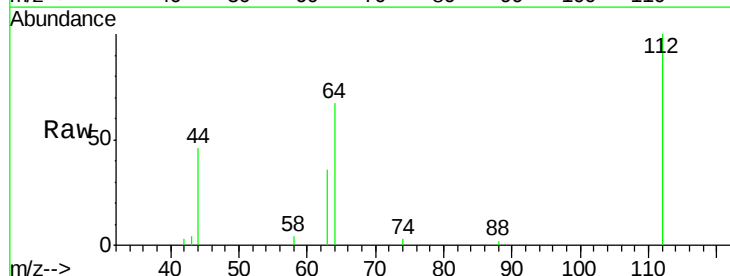


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

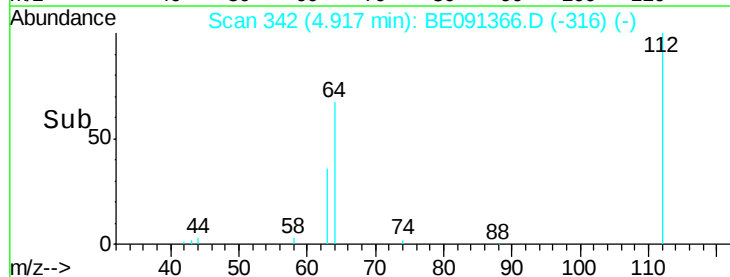
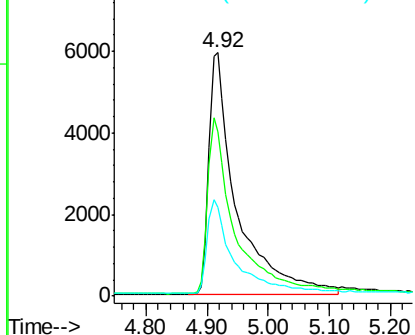


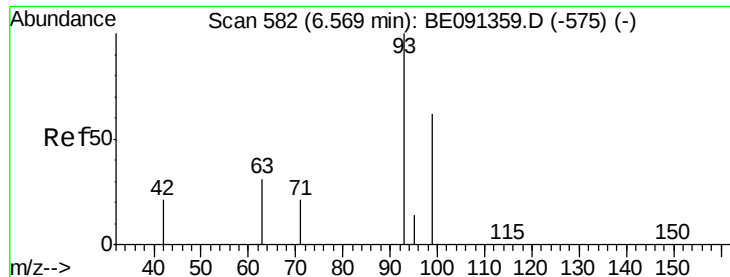
#2
 2-Fluorophenol
 Concen: 6.86 ng
 RT: 4.92 min Scan# 342
 Delta R.T. -0.03 min
 Lab File: BE091366.D
 Acq: 15 Jan 2016 00:50

Tgt Ion:112 Resp: 18642
 Ion Ratio Lower Upper
 112 100
 64 71.6 57.4 86.0
 63 38.5 32.2 48.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 6.03 ng

RT: 6.55 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

TGV-PS-001

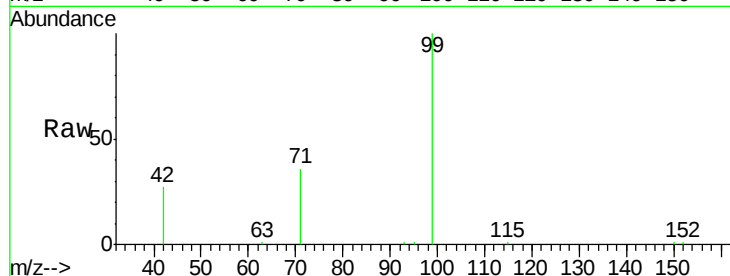
Tgt Ion: 99 Resp: 28268

Ion Ratio Lower Upper

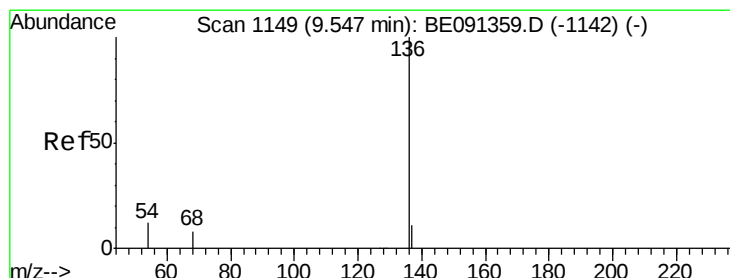
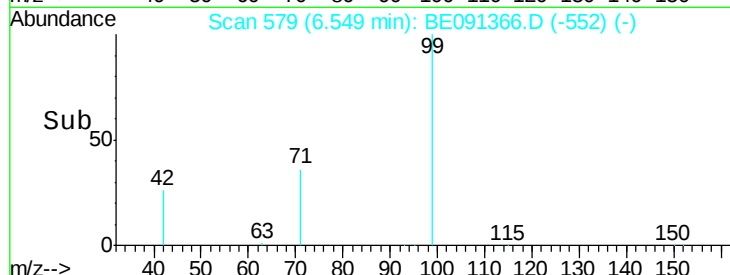
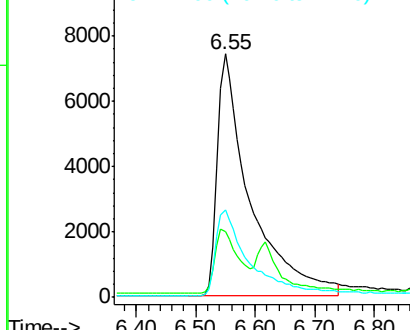
99 100

42 18.9 22.9 34.3#

71 36.5 35.4 53.2



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.56 min Scan# 1151

Delta R.T. 0.02 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Tgt Ion: 136 Resp: 70170

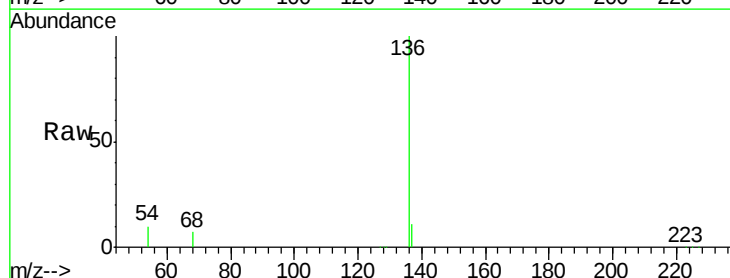
Ion Ratio Lower Upper

136 100

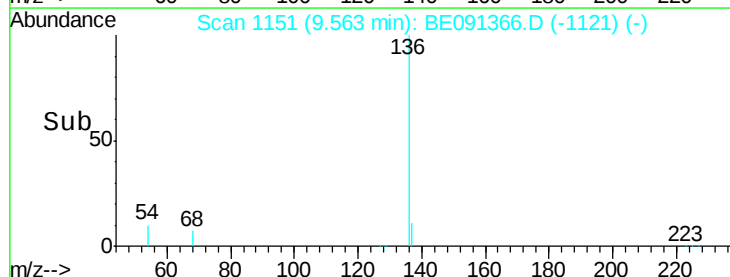
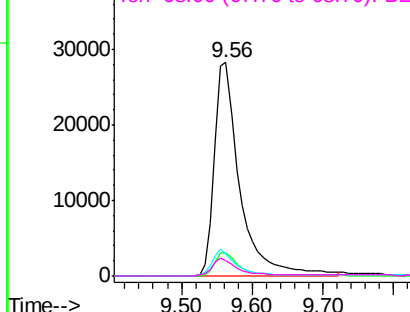
137 11.0 8.7 13.1

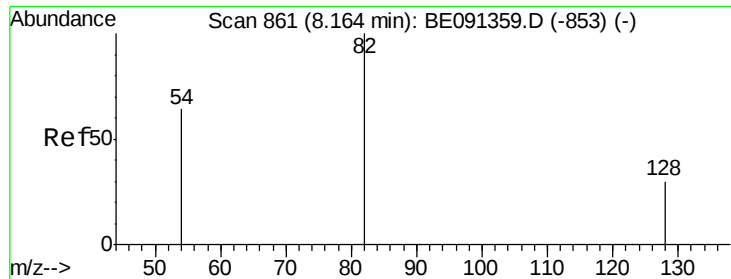
54 10.4 9.8 14.6

68 7.4 6.6 10.0



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): BE0
Ion 68.00 (67.70 to 68.70): BE0





#5

Nitrobenzene-d5

Concen: 4.34 ng

RT: 8.18 min Scan# 864

Delta R.T. 0.01 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

TGV-PS-001

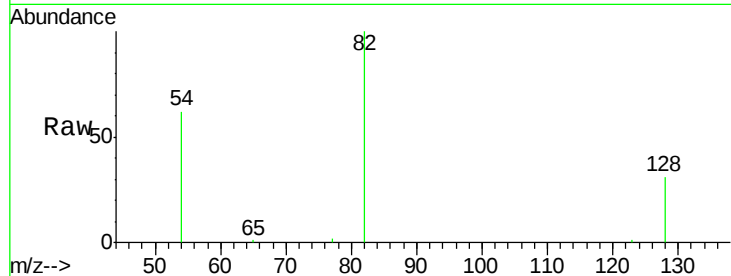
Tgt Ion: 82 Resp: 17665

Ion Ratio Lower Upper

82 100

128 31.1 24.6 36.8

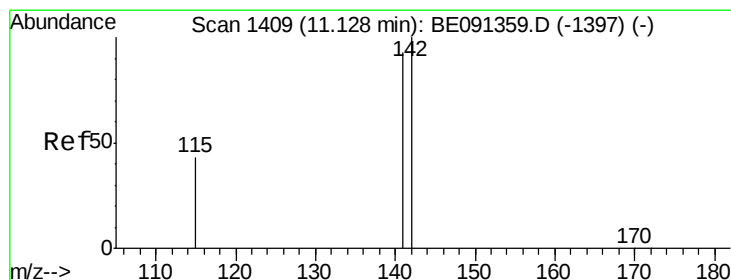
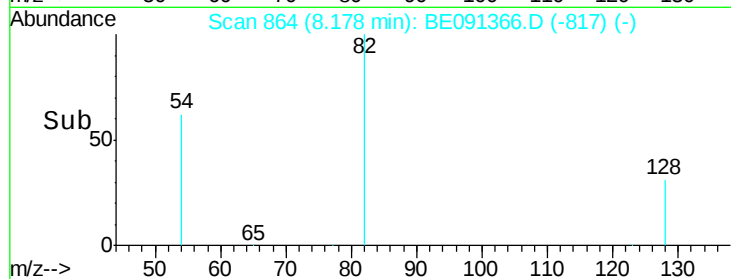
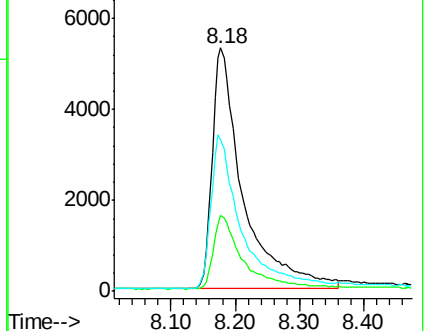
54 62.4 52.7 79.1



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#7

2-Methylnaphthalene

Concen: 0.37 ng

RT: 11.15 min Scan# 1413

Delta R.T. 0.02 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

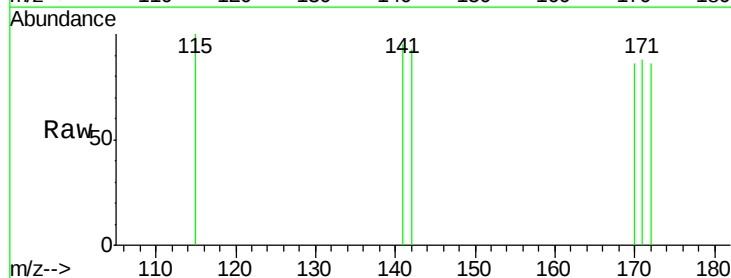
Tgt Ion: 142 Resp: 2

Ion Ratio Lower Upper

142 100

141 101.9 74.5 111.7

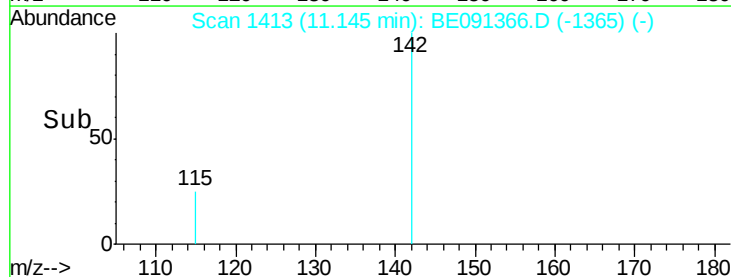
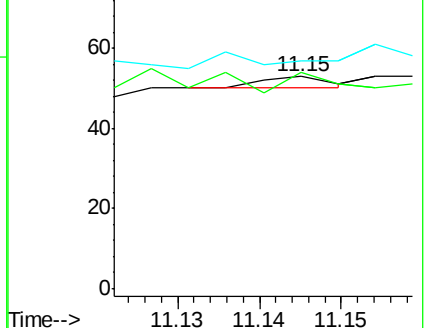
115 107.5 35.2 52.8#

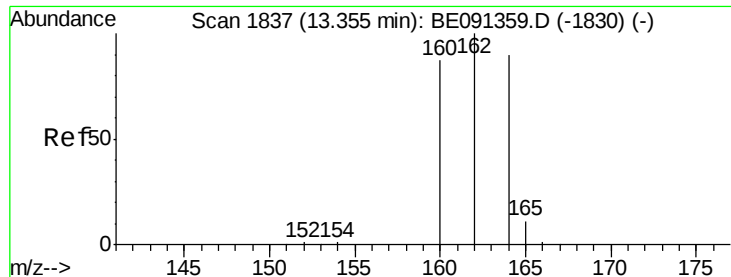


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.36 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

TGV-PS-001

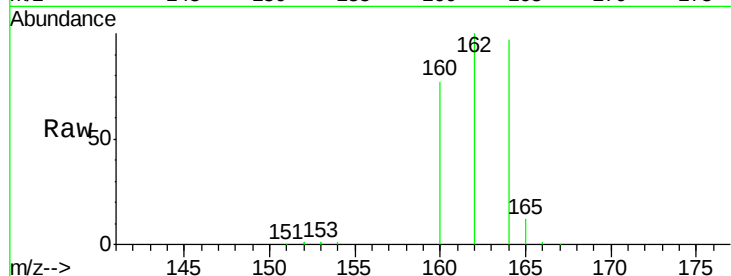
Tgt Ion:164 Resp: 36364

Ion Ratio Lower Upper

164 100

162 103.3 88.5 132.7

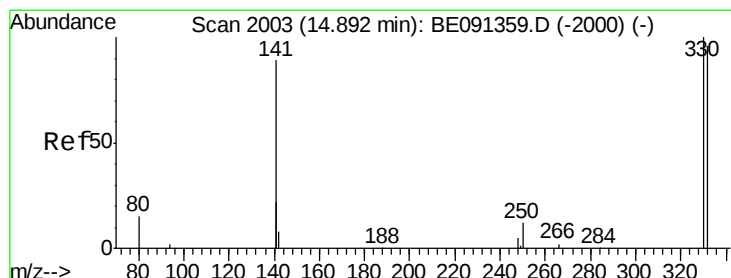
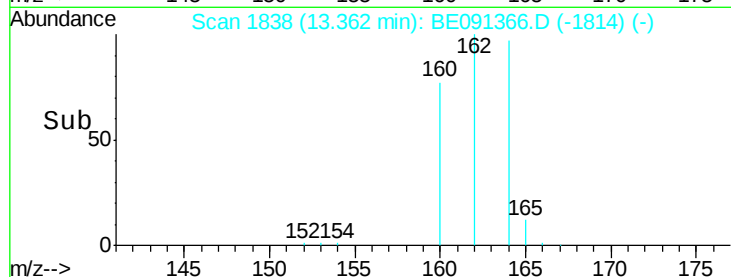
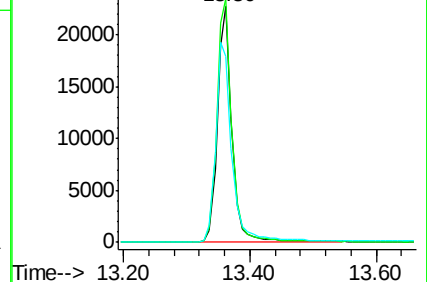
160 79.2 76.7 115.1



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



#9

2,4,6-Tribromophenol

Concen: 4.15 ng

RT: 14.89 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

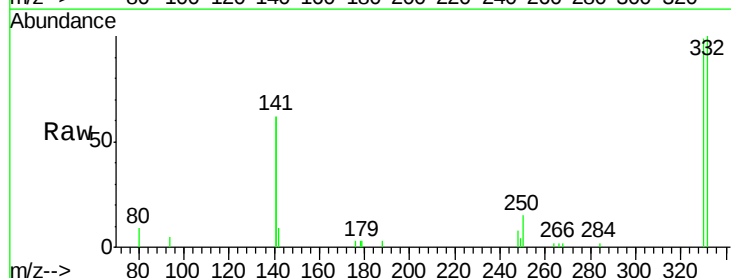
Tgt Ion:330 Resp: 4951

Ion Ratio Lower Upper

330 100

332 97.3 78.6 118.0

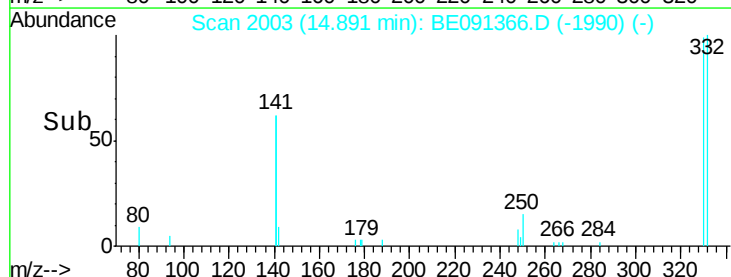
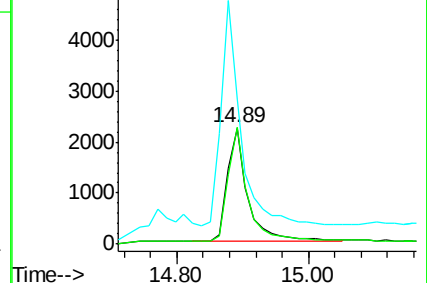
141 184.1 147.8 221.8

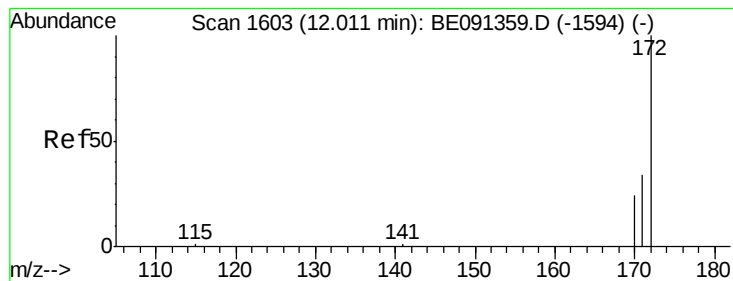


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#10

2-Fluorobiphenyl

Concen: 4.64 ng

RT: 12.01 min Scan# 1604

Delta R.T. 0.00 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

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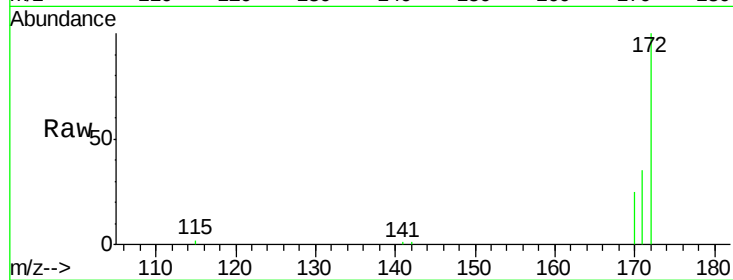
Tgt Ion:172 Resp: 36487

Ion Ratio Lower Upper

172 100

171 35.2 27.3 40.9

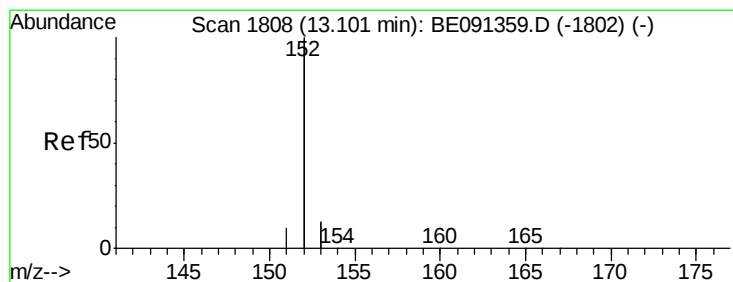
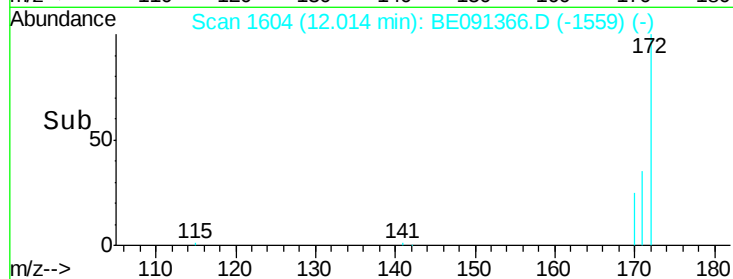
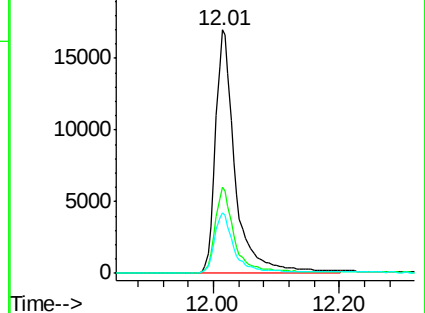
170 24.9 19.8 29.6



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



#11

Acenaphthylene

Concen: 0.27 ng

RT: 13.13 min Scan# 1811

Delta R.T. 0.03 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

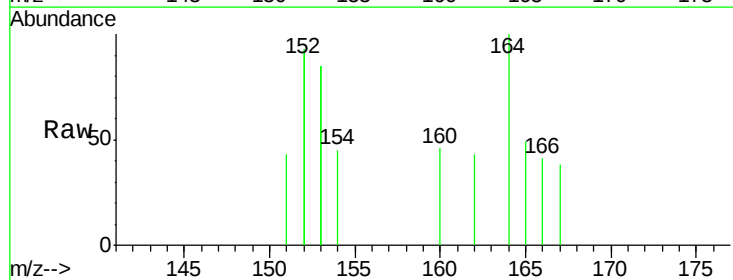
Tgt Ion:152 Resp: 116

Ion Ratio Lower Upper

152 100

151 0.0 3.8 5.8#

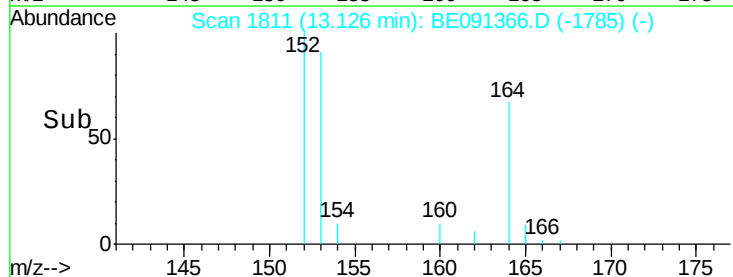
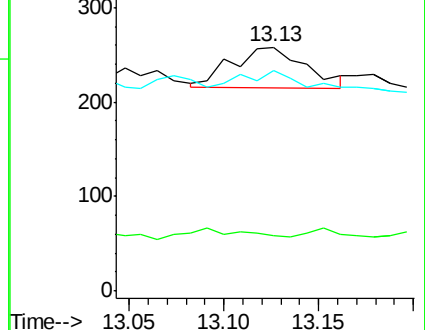
153 62.9 10.1 15.1#

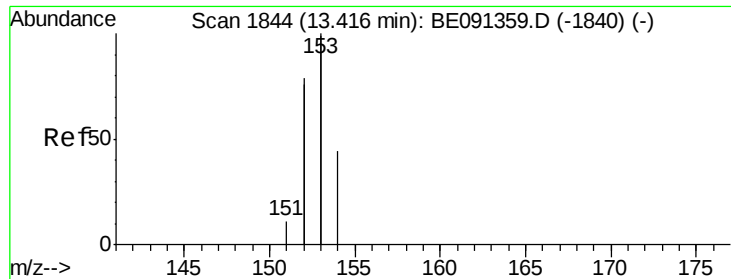


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#12

Acenaphthene

Concen: 0.03 ng

RT: 13.35 min Scan# 1837

Delta R.T. -0.06 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

TGV-PS-001

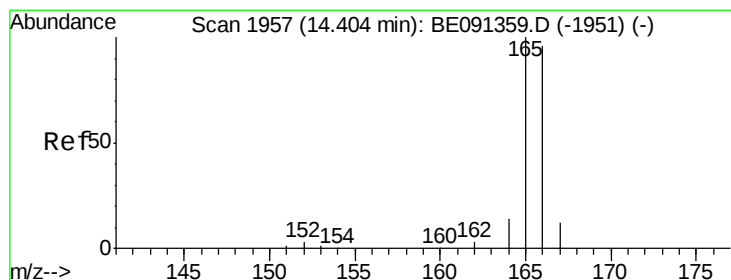
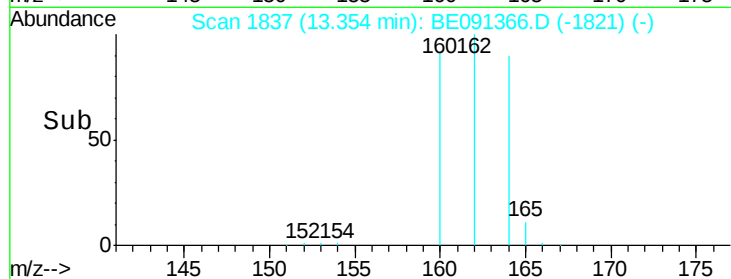
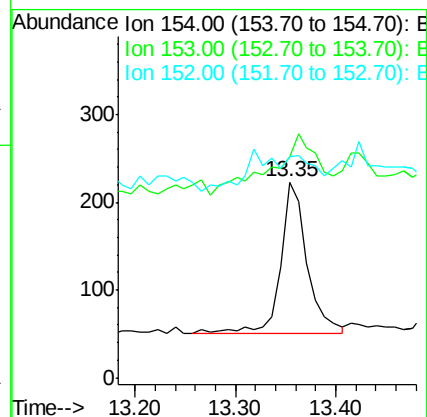
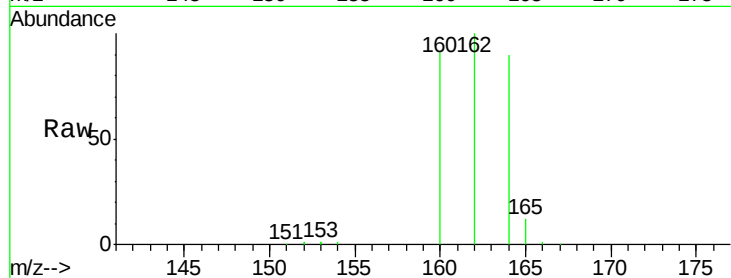
Tgt Ion:154 Resp: 315

Ion Ratio Lower Upper

154 100

153 73.0 370.2 555.4#

152 18.7 310.5 465.7#



#13

Fluorene

Concen: 0.14 ng

RT: 14.44 min Scan# 1961

Delta R.T. 0.03 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

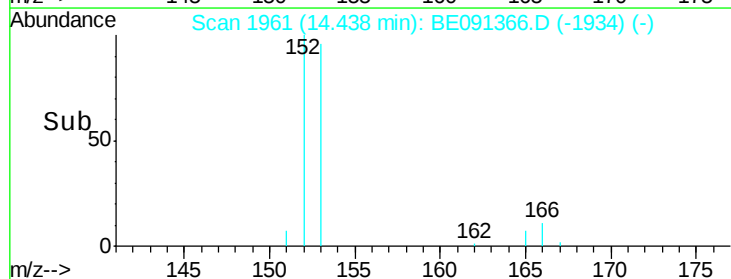
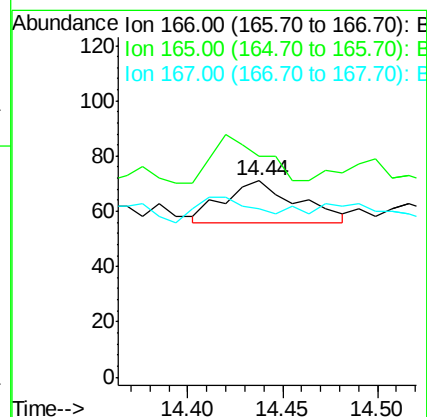
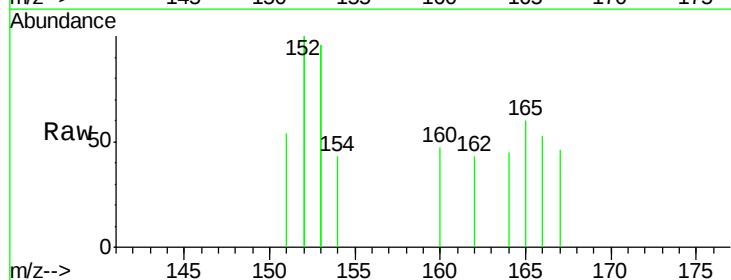
Tgt Ion:166 Resp: 40

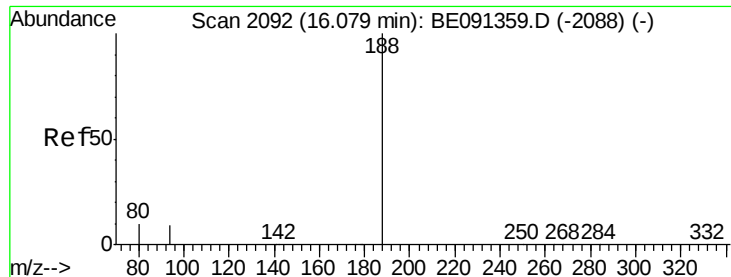
Ion Ratio Lower Upper

166 100

165 0.0 83.0 124.6#

167 0.0 11.1 16.7#

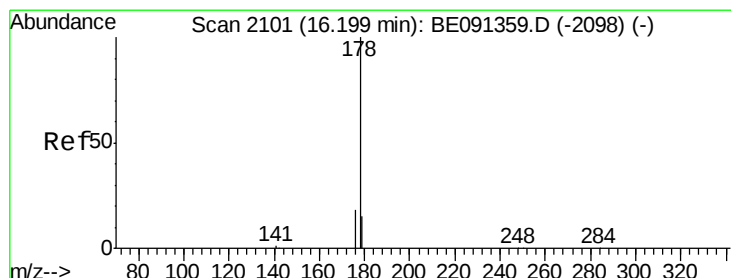
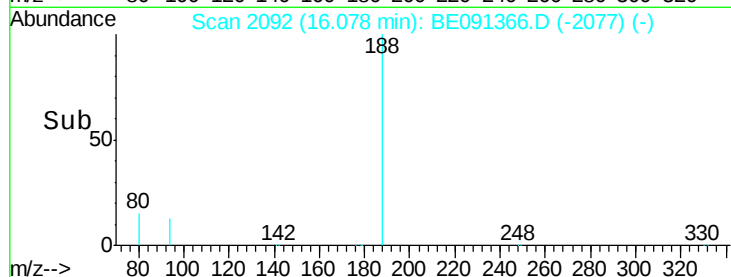
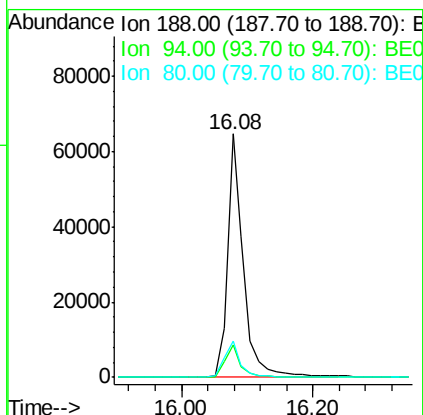
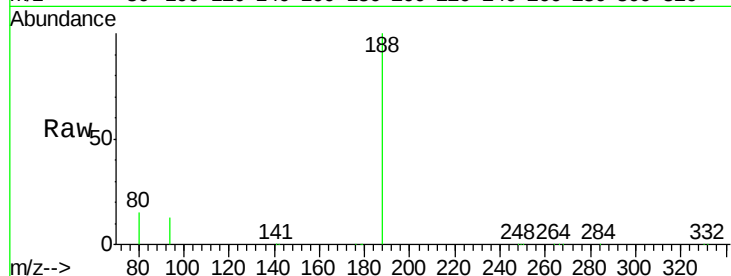




#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.08 min Scan# 2092
Delta R.T. -0.00 min
Lab File: BE091366.D
Acq: 15 Jan 2016 00:50

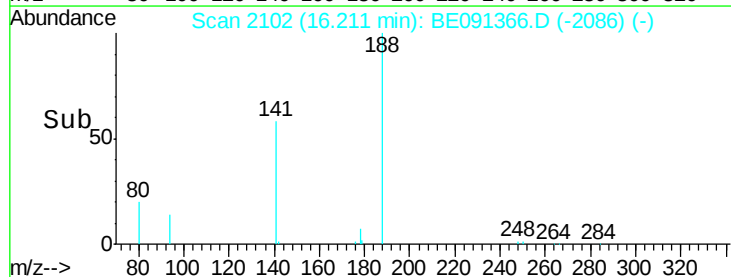
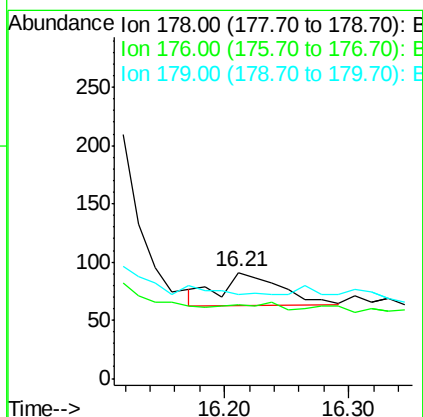
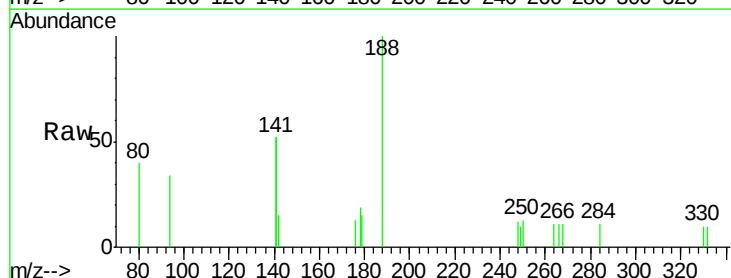
Instrument :
BNA_E
ClientSampleId :
TGV-PS-001

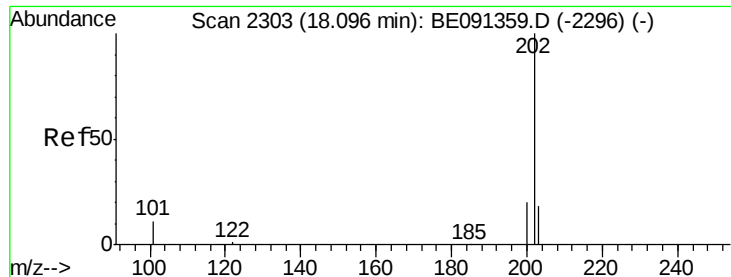
Tgt Ion:188 Resp: 109176
Ion Ratio Lower Upper
188 100
94 13.4 7.5 11.3#
80 15.0 8.2 12.2#



#16
Anthracene
Concen: 0.24 ng
RT: 16.21 min Scan# 2102
Delta R.T. 0.01 min
Lab File: BE091366.D
Acq: 15 Jan 2016 00:50

Tgt Ion:178 Resp: 98
Ion Ratio Lower Upper
178 100
176 0.0 15.0 22.6#
179 0.0 12.4 18.6#

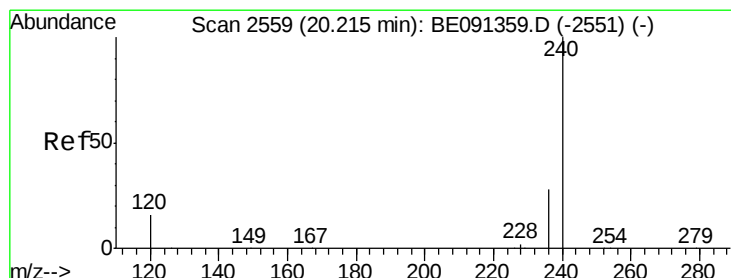
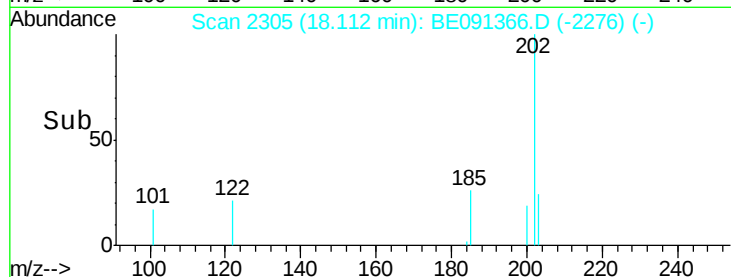
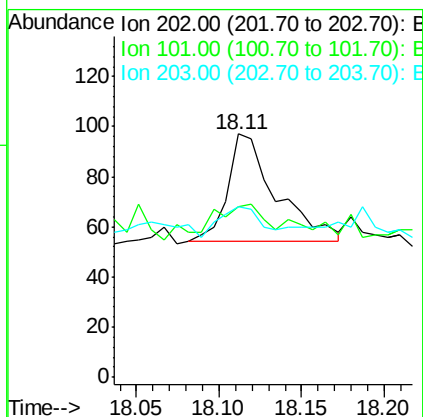
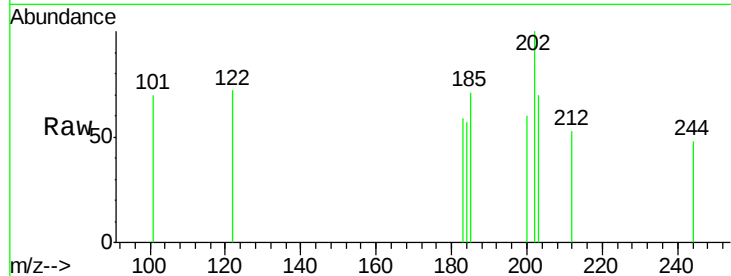




#17
 Fluoranthene
 Concen: 0.28 ng
 RT: 18.11 min Scan# 2305
 Delta R.T. 0.02 min
 Lab File: BE091366.D
 Acq: 15 Jan 2016 00:50

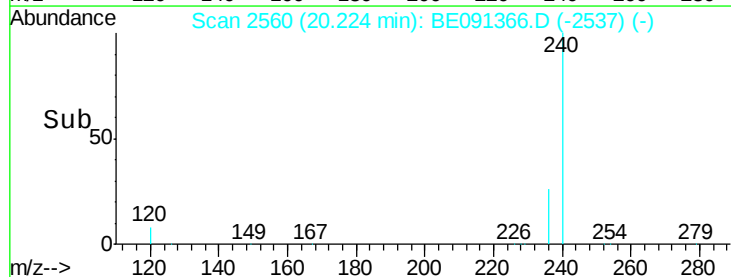
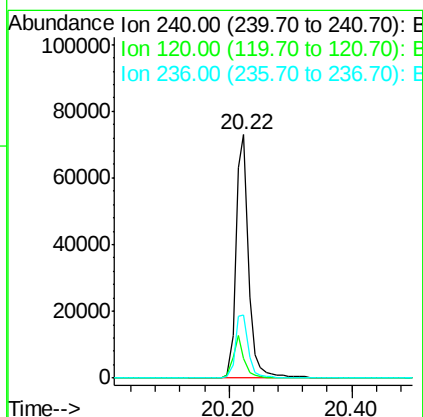
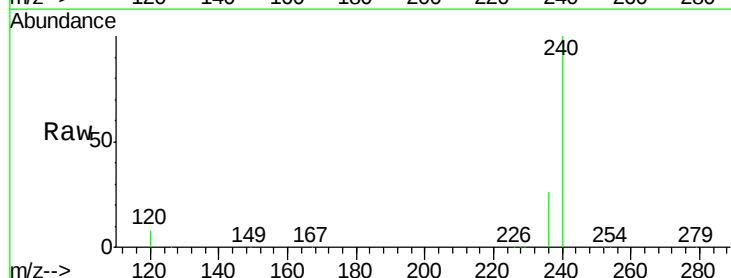
Instrument :
 BNA_E
 ClientSampleId :
 TGV-PS-001

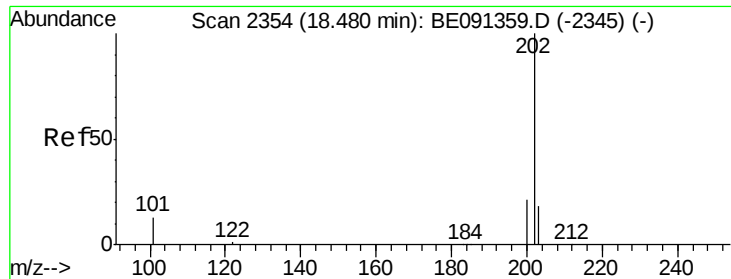
Tgt Ion: 202 Resp: 88
 Ion Ratio Lower Upper
 202 100
 101 37.5 11.0 16.4#
 203 22.7 13.9 20.9#



#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.22 min Scan# 2560
 Delta R.T. 0.01 min
 Lab File: BE091366.D
 Acq: 15 Jan 2016 00:50

Tgt Ion: 240 Resp: 103399
 Ion Ratio Lower Upper
 240 100
 120 8.1 12.6 19.0#
 236 25.9 22.7 34.1





#19

Pyrene

Concen: 0.40 ng

RT: 18.50 min Scan# 2356

Delta R.T. 0.02 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

TGV-PS-001

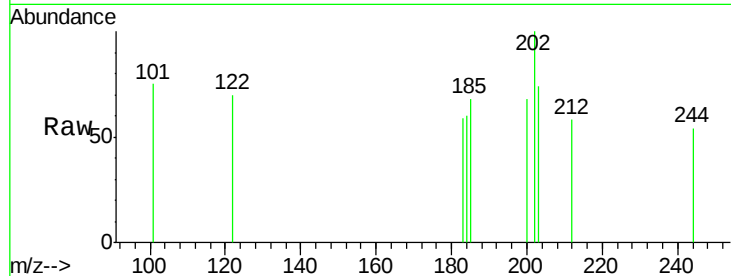
Tgt Ion:202 Resp: 79

Ion Ratio Lower Upper

202 100

200 17.7 17.2 25.8

203 16.5 14.2 21.4

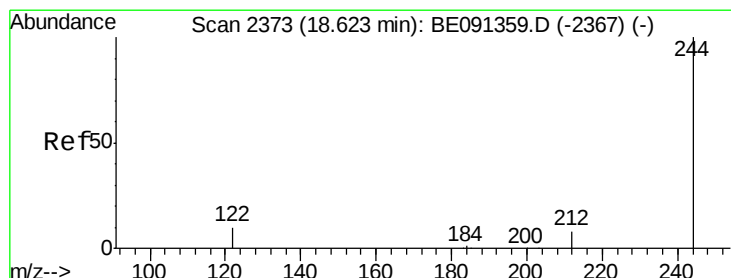
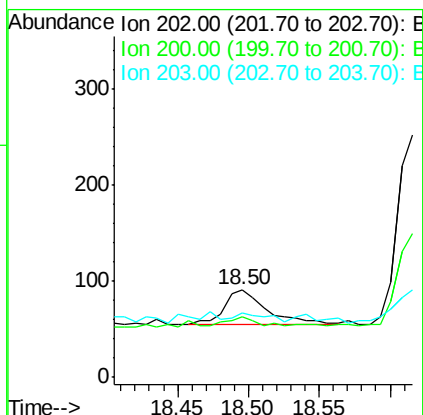
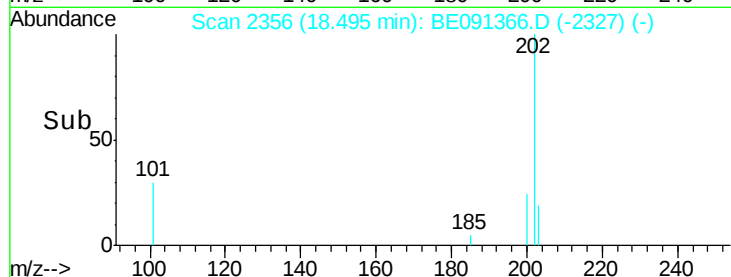


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



#20

Terphenyl-d14

Concen: 4.28 ng

RT: 18.62 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

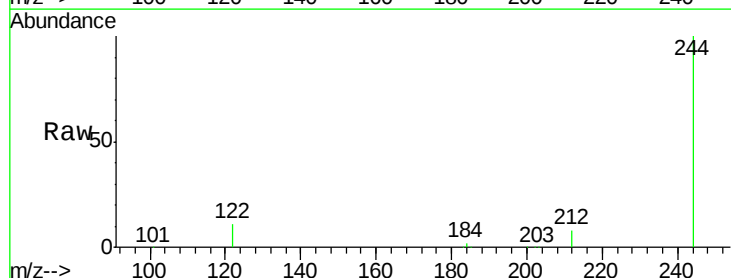
Tgt Ion:244 Resp: 62526

Ion Ratio Lower Upper

244 100

212 8.3 7.0 10.4

122 11.3 8.5 12.7

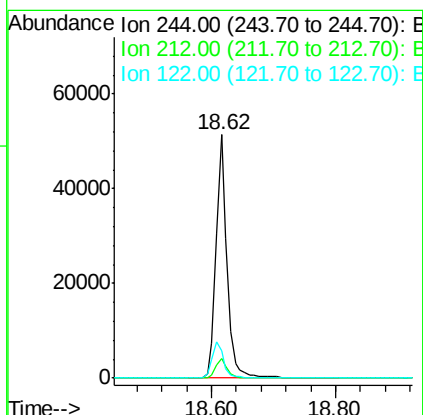
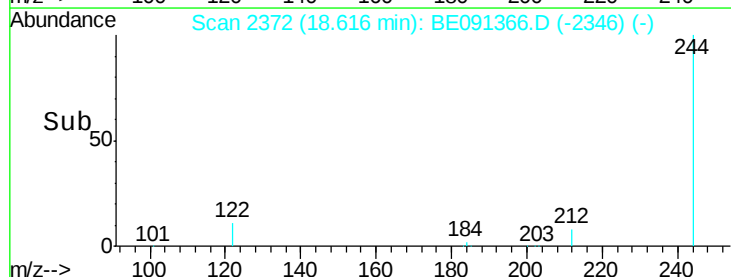


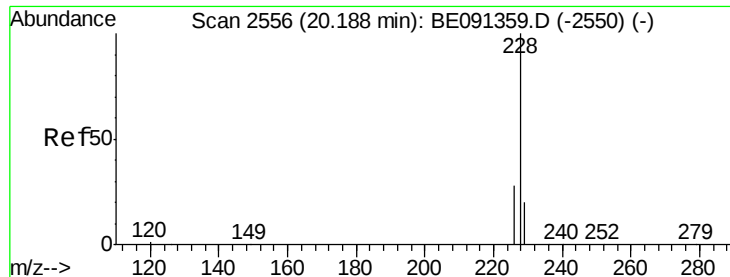
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->





#21

Benzo(a)anthracene

Concen: 0.41 ng

RT: 20.22 min Scan# 2559

Delta R.T. 0.03 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

TGV-PS-001

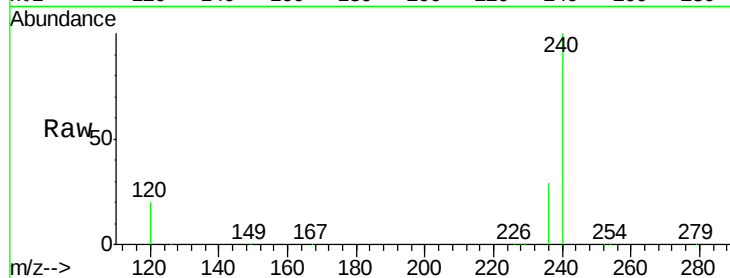
Tgt Ion:228 Resp: 512

Ion Ratio Lower Upper

228 100

226 36.2 22.5 33.7#

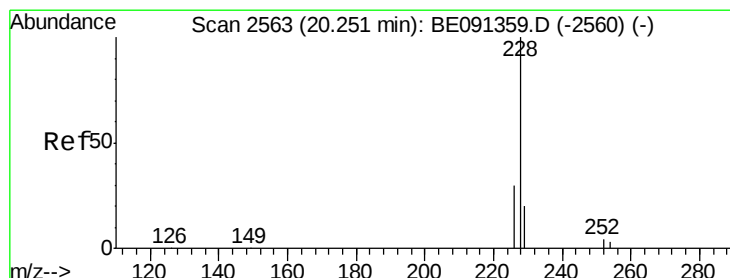
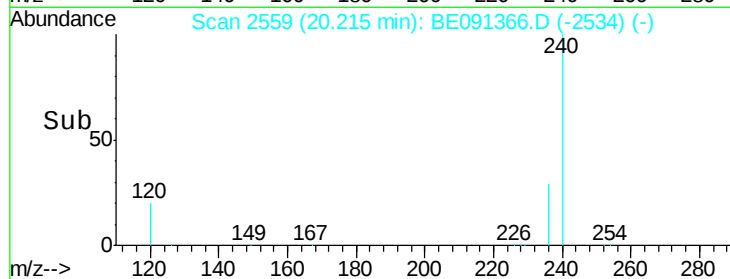
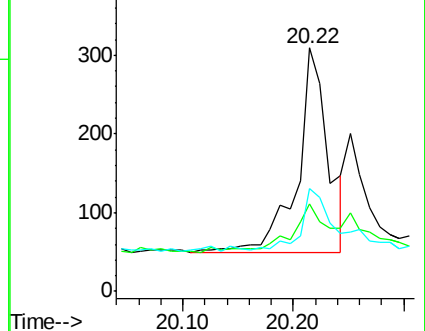
229 42.4 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#22

Chrysene

Concen: 0.02 ng

RT: 20.22 min Scan# 2559

Delta R.T. -0.04 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

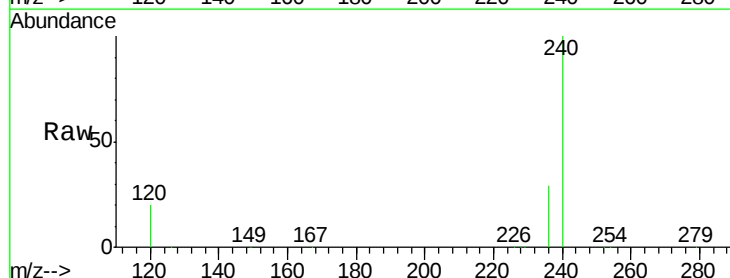
Tgt Ion:228 Resp: 512

Ion Ratio Lower Upper

228 100

226 36.2 23.7 35.5#

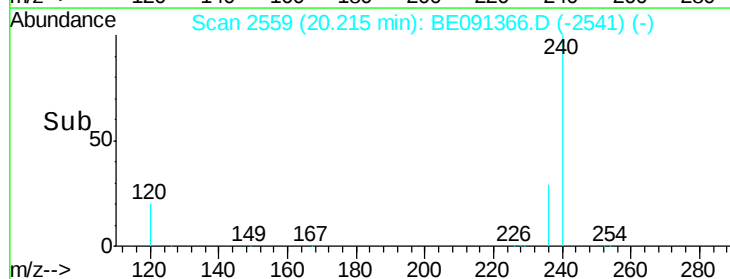
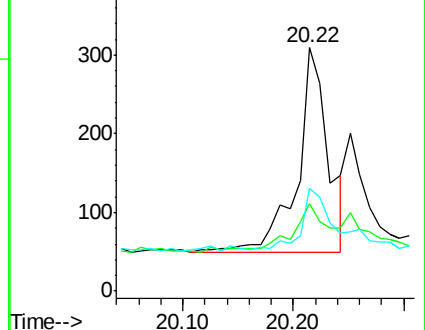
229 42.4 16.0 24.0#

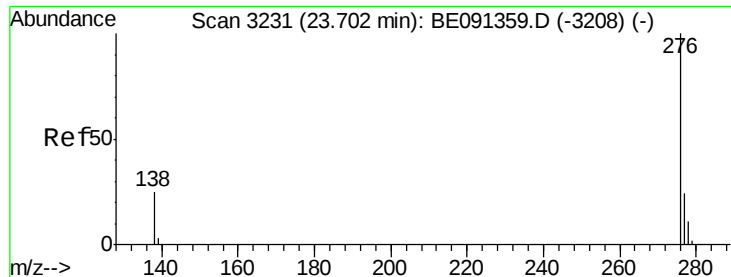


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng

RT: 23.72 min Scan# 3236

Delta R.T. 0.02 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

TGV-PS-001

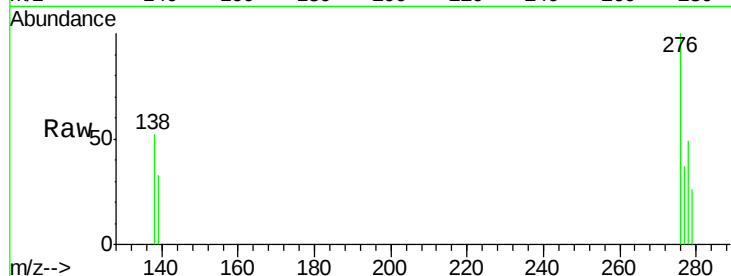
Tgt Ion:276 Resp: 740

Ion Ratio Lower Upper

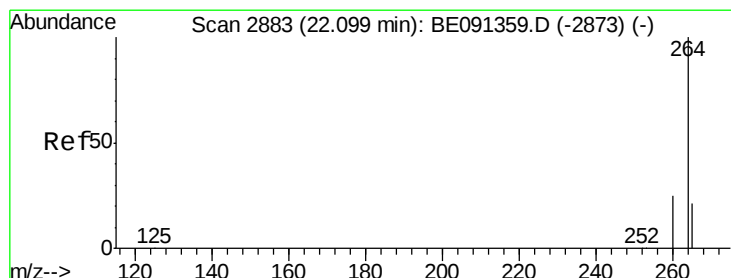
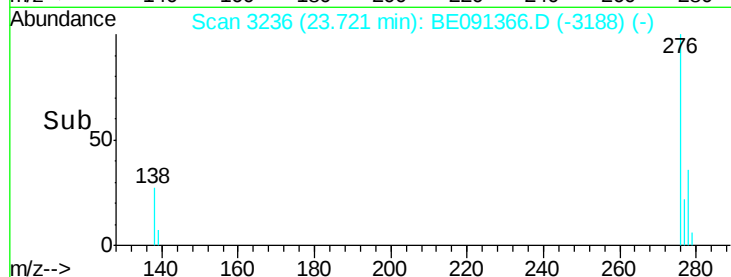
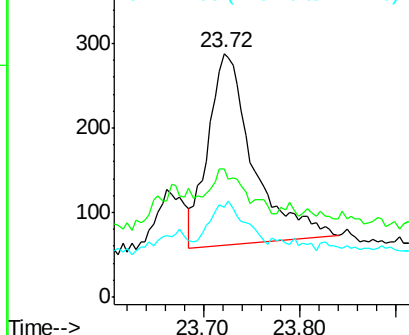
276 100

138 9.9 18.6 27.8#

277 18.5 16.5 24.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#24

Perylene-d12

Concen: 5.00 ng

RT: 22.10 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

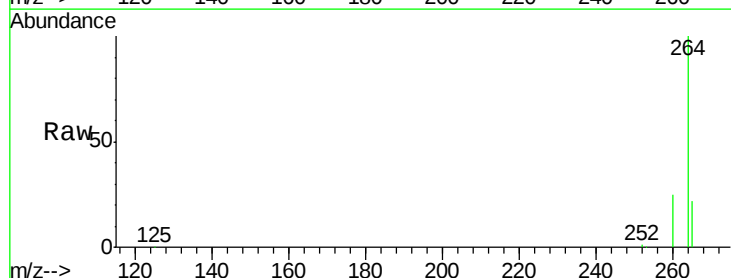
Tgt Ion:264 Resp: 86814

Ion Ratio Lower Upper

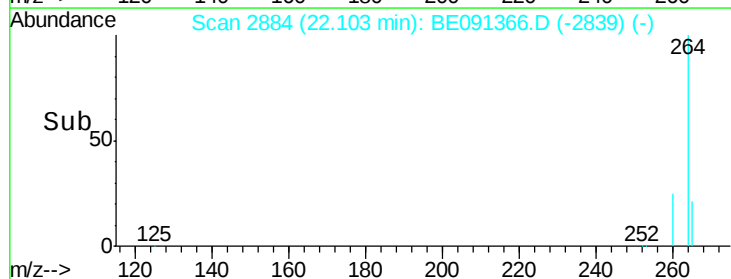
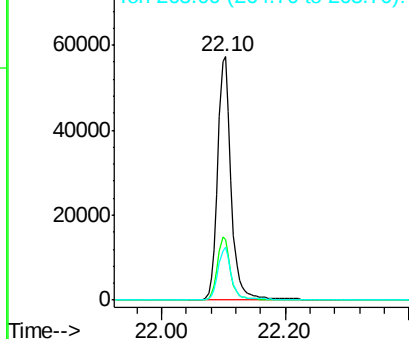
264 100

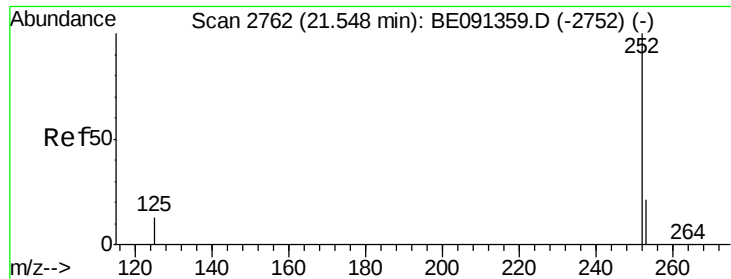
260 24.9 20.4 30.6

265 21.7 17.2 25.8



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





#25

Benzo(b)fluoranthene

Concen: 0.29 ng

RT: 21.56 min Scan# 2765

Delta R.T. 0.01 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

TGV-PS-001

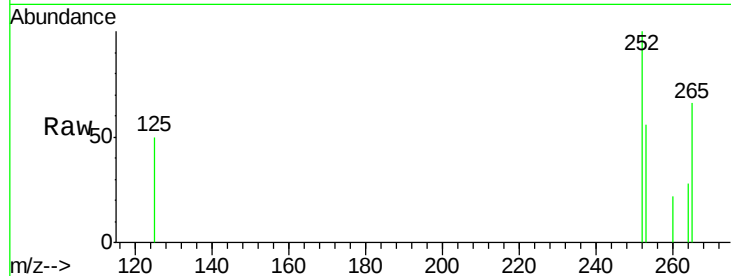
Tgt Ion:252 Resp: 164

Ion Ratio Lower Upper

252 100

253 55.5 17.4 26.2#

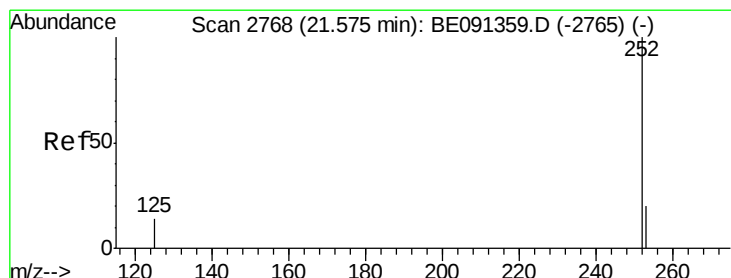
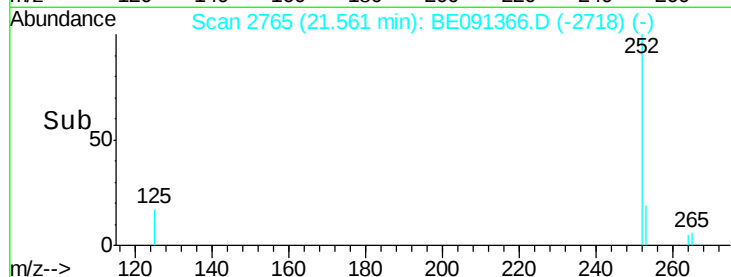
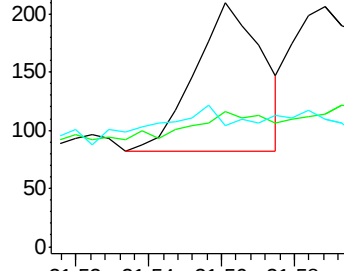
125 49.8 11.0 16.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26

Benzo(k)fluoranthene

Concen: 0.27 ng

RT: 21.59 min Scan# 2771

Delta R.T. 0.01 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

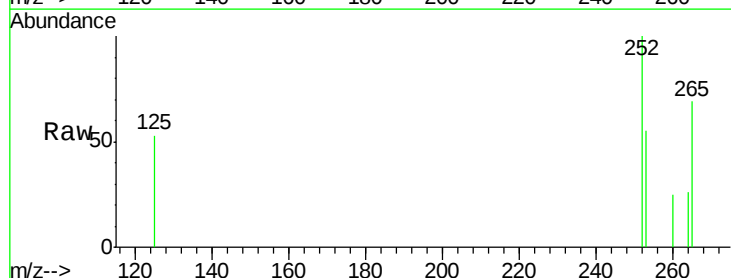
Tgt Ion:252 Resp: 216

Ion Ratio Lower Upper

252 100

253 55.3 17.5 26.3#

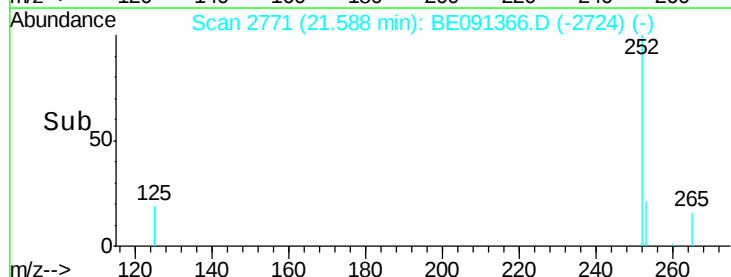
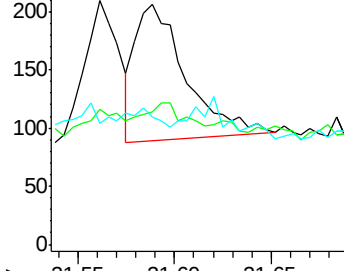
125 53.4 11.3 16.9#

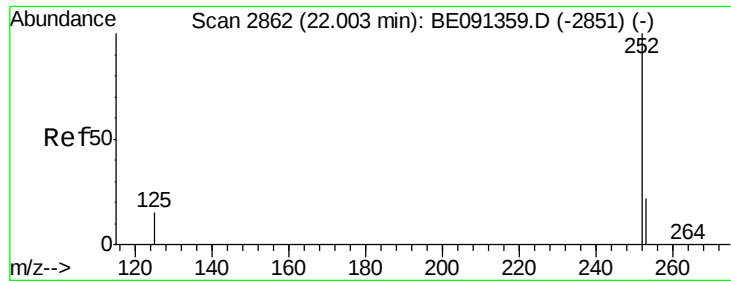


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 0.27 ng

RT: 22.01 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

TGV-PS-001

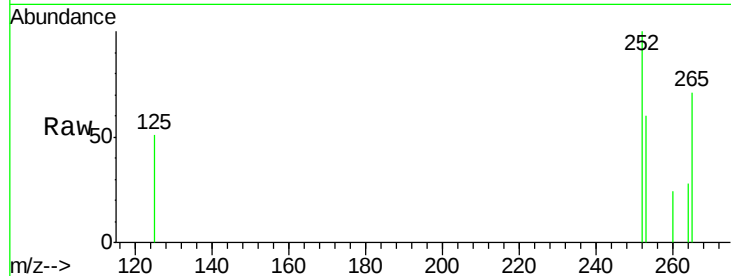
Tgt Ion:252 Resp: 198

Ion Ratio Lower Upper

252 100

253 60.0 18.1 27.1#

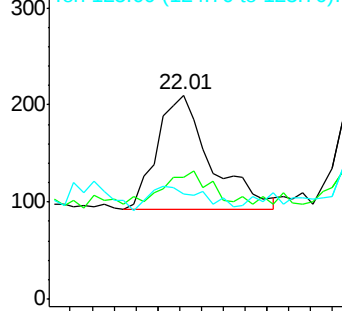
125 51.4 12.2 18.4#



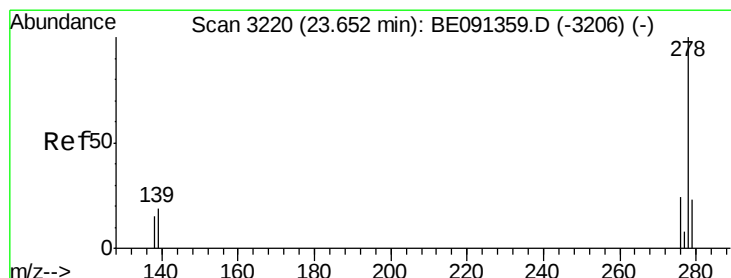
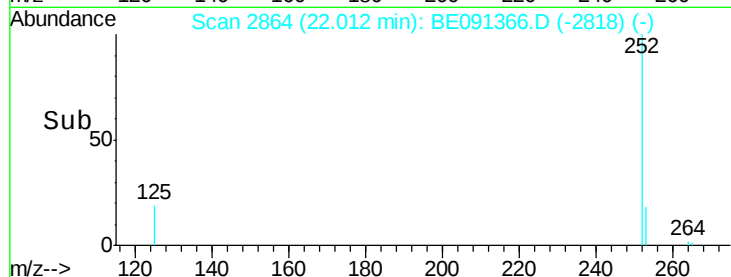
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#28

Dibenzo(a,h)anthracene

Concen: 0.48 ng

RT: 23.67 min Scan# 3224

Delta R.T. 0.01 min

Lab File: BE091366.D

Acq: 15 Jan 2016 00:50

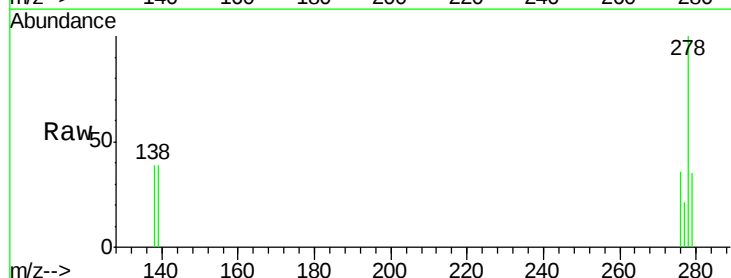
Tgt Ion:278 Resp: 786

Ion Ratio Lower Upper

278 100

139 39.3 16.3 24.5#

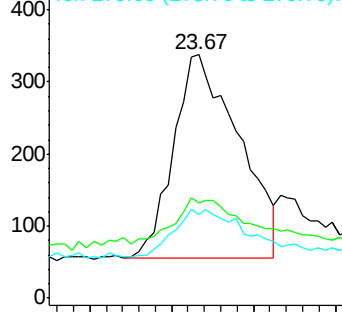
279 34.6 19.4 29.2#



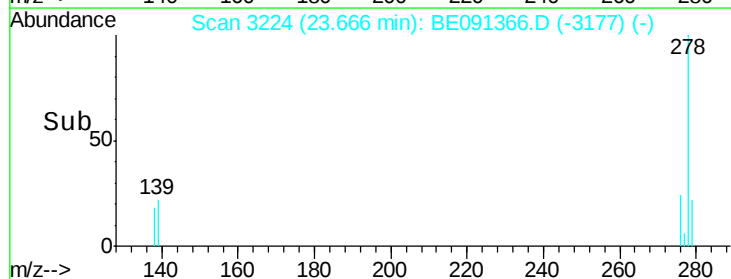
Abundance Ion 278.00 (277.70 to 278.70): E

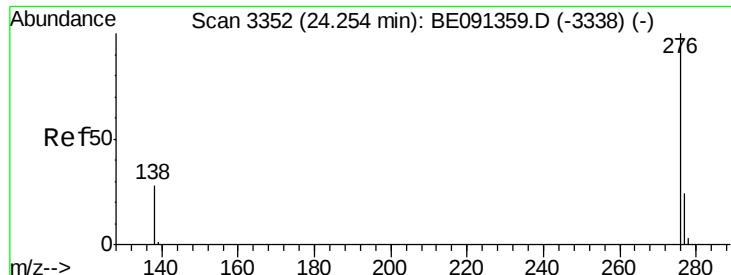
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#29

Benzo(g,h,i)perylene

Concen: 0.36 ng

RT: 24.27 min Scan# 3357

Delta R.T. 0.02 min

Lab File: BE091366.D

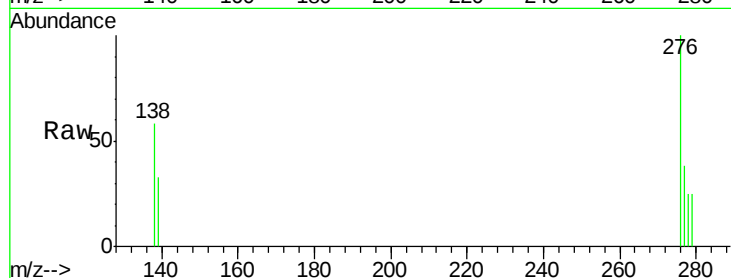
Acq: 15 Jan 2016 00:50

Instrument :

BNA_E

ClientSampleId :

TGV-PS-001



Tgt Ion: 276 Resp: 472

Ion Ratio Lower Upper

276 100

277 37.6 19.8 29.6#

138 58.3 23.3 34.9#

