

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021916\
 Data File : BE091414.D
 Acq On : 19 Feb 2016 14:57
 Operator : UM/IZ
 Sample : PB88423BL
 Misc : Use for H1498 and H1519
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB88423BL

Quant Time: Feb 19 22:38:09 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 00:27:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	37906	5.00	ng	-0.01
4) Naphthalene-d8	9.54	136	182483	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	123427	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	305922	5.00	ng	-0.01
18) Chrysene-d12	20.22	240	352256	5.00	ng	0.00
24) Perylene-d12	22.09	264	366920	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.89	112	68126	7.58	ng	-0.06
3) Phenol-d6	6.53	99	94981	7.46	ng	-0.04
5) Nitrobenzene-d5	8.16	82	46600	3.92	ng	0.00
9) 2,4,6-Tribromophenol	14.89	330	31322	5.30	ng	-0.01
10) 2-Fluorobiphenyl	12.00	172	129650	4.04	ng	-0.01
20) Terphenyl-d14	18.61	244	212437	4.08	ng	0.00

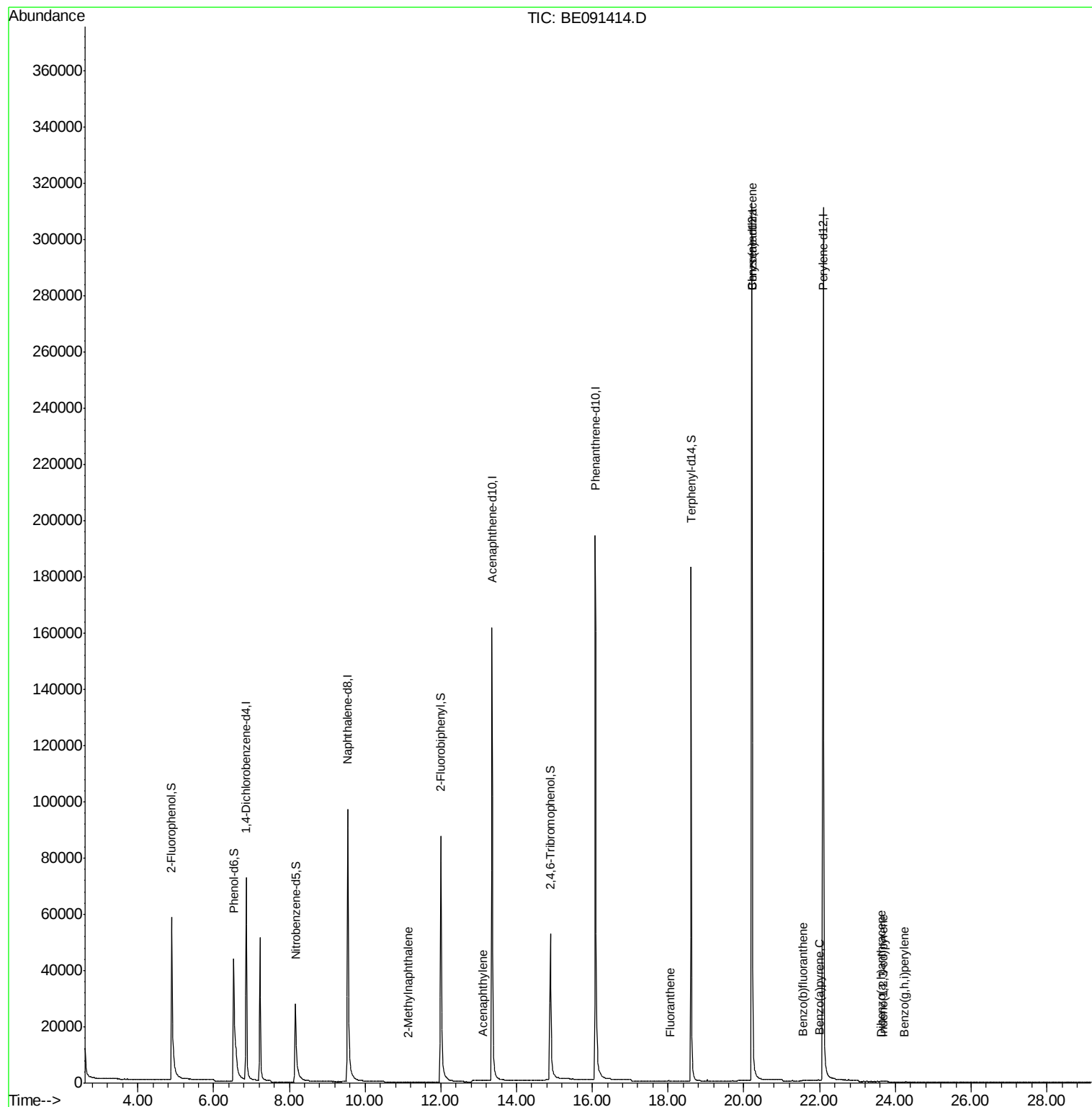
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) 2-Methylnaphthalene	11.12	142	3	0.13	ng	# 56
11) Acenaphthylene	13.12	152	33	0.18	ng	# 1
17) Fluoranthene	18.04	202	24	0.12	ng	# 60
21) Benzo(a)anthracene	20.21	228	1096	0.18	ng	# 77
22) Chrysene	20.21	228	1096	Below Cal		# 74
23) Indeno(1,2,3-cd)pyrene	23.68	276	38	0.16	ng	# 1
25) Benzo(b)fluoranthene	21.56	252	93	0.15	ng	# 1
27) Benzo(a)pyrene	22.00	252	116	0.17	ng	# 1
28) Dibenzo(a,h)anthracene	23.64	278	8	0.25	ng	# 1
29) Benzo(g,h,i)perylene	24.25	276	25	0.14	ng	# 1

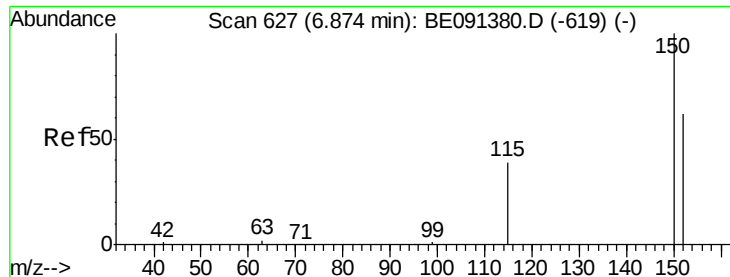
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021916\
Data File : BE091414.D
Acq On : 19 Feb 2016 14:57
Operator : UM/IZ
Sample : PB88423BL
Misc : Use for H1498 and H1519
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB88423BL

Quant Time: Feb 19 22:38:09 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.86 min Scan# 625

Delta R.T. -0.01 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Instrument :

BNA_E

ClientSampleId :

PB88423BL

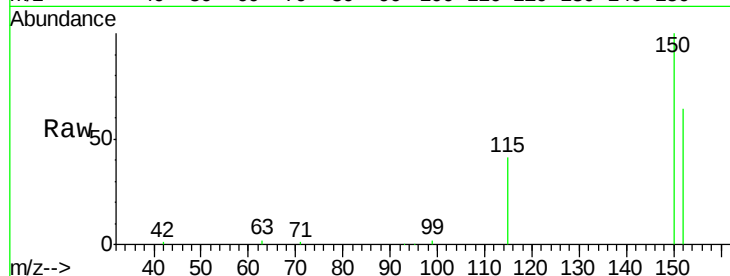
Tgt Ion:152 Resp: 37906

Ion Ratio Lower Upper

152 100

150 156.8 128.9 193.3

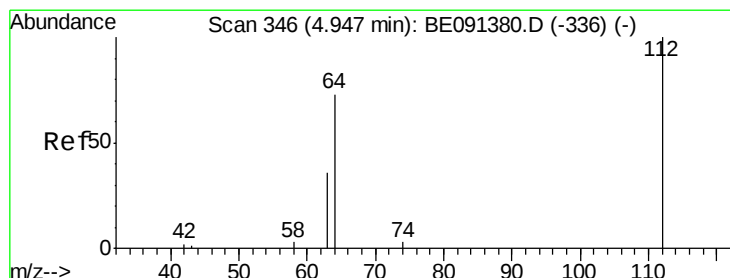
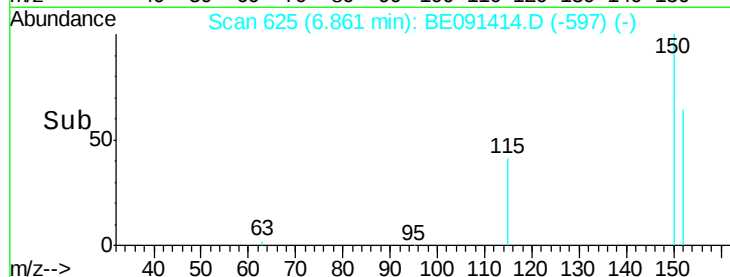
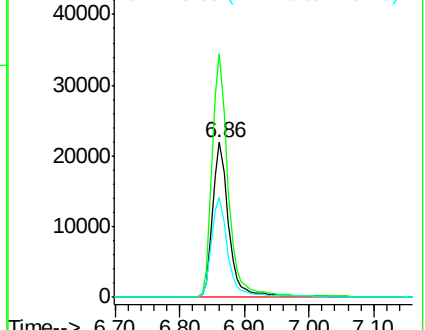
115 64.7 50.9 76.3



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



#2

2-Fluorophenol

Concen: 7.58 ng

RT: 4.89 min Scan# 338

Delta R.T. -0.06 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

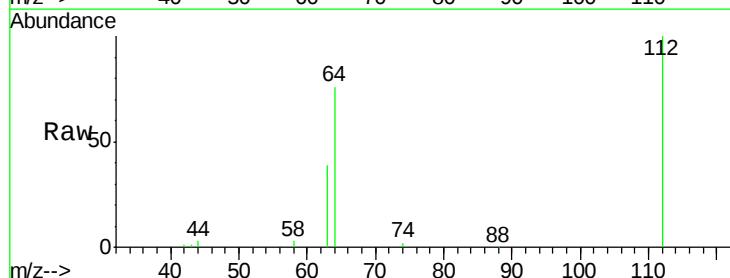
Tgt Ion:112 Resp: 68126

Ion Ratio Lower Upper

112 100

64 74.4 60.5 90.7

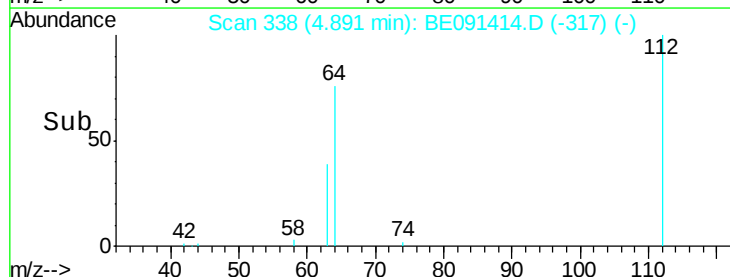
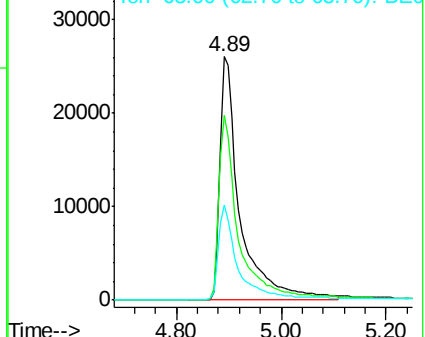
63 37.7 29.8 44.8

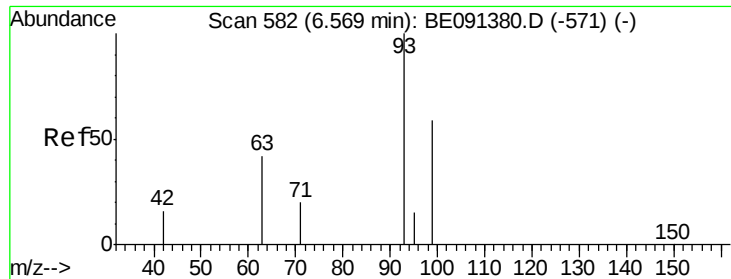


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 7.46 ng

RT: 6.53 min Scan# 576

Delta R.T. -0.04 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Instrument :

BNA_E

ClientSampleId :

PB88423BL

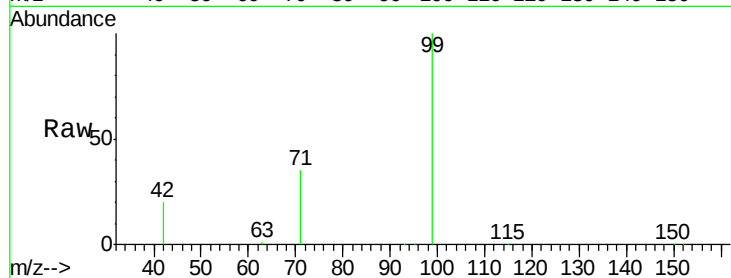
Tgt Ion: 99 Resp: 94981

Ion Ratio Lower Upper

99 100

42 15.8 13.3 19.9

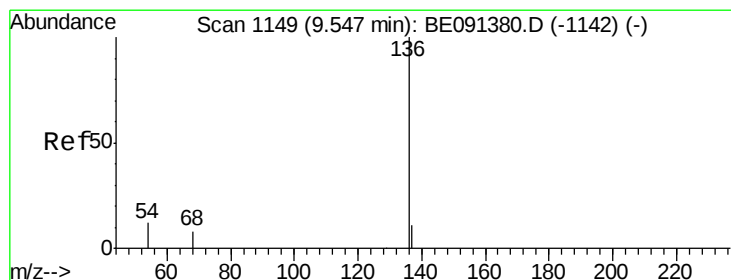
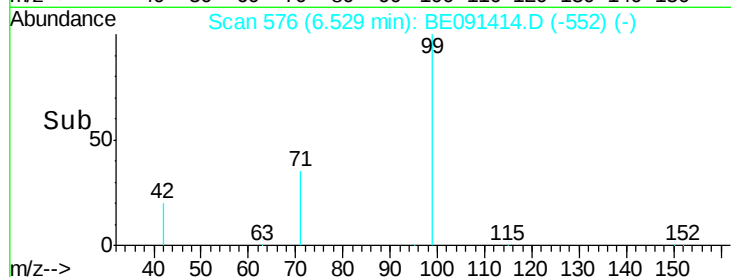
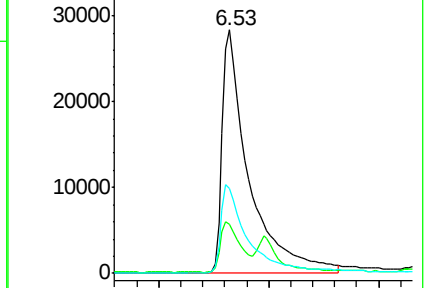
71 36.4 25.6 38.4



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: 9.54 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Tgt Ion: 136 Resp: 182483

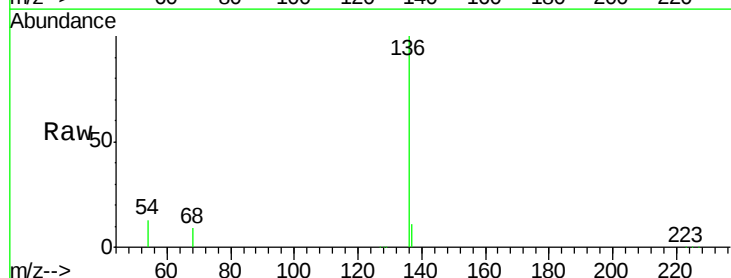
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 12.6 9.3 13.9

68 8.5 6.7 10.1

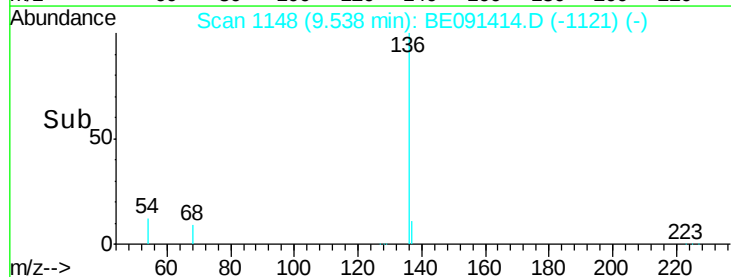
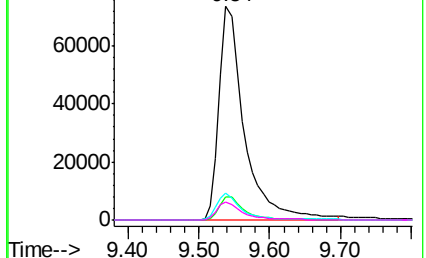


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.92 ng

RT: 8.16 min Scan# 860

Delta R.T. -0.01 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Instrument :

BNA_E

ClientSampleId :

PB88423BL

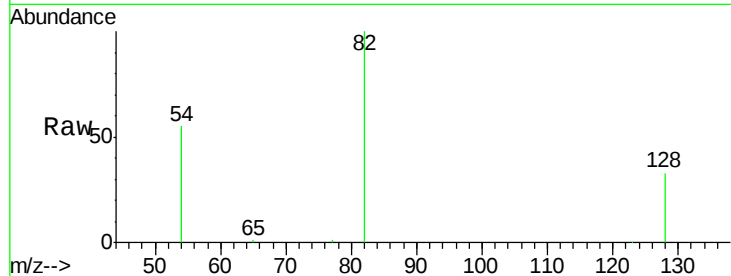
Tgt Ion: 82 Resp: 46600

Ion Ratio Lower Upper

82 100

128 32.5 25.0 37.4

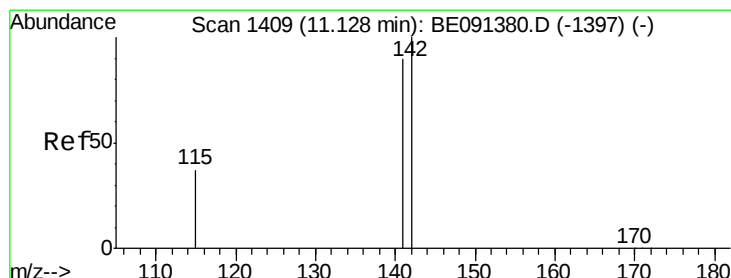
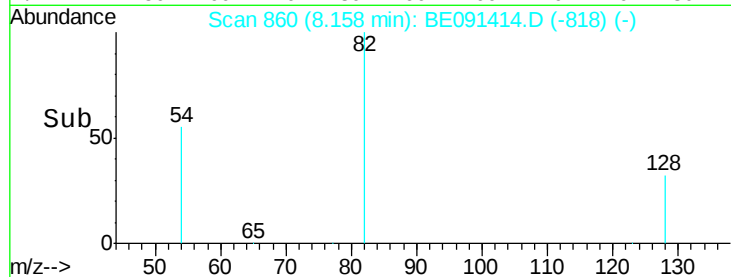
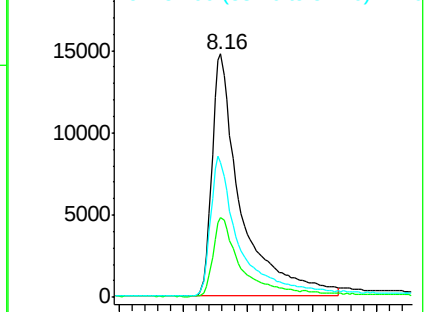
54 55.5 48.1 72.1



Abundance Ion 82.00 (81.70 to 82.70): BE091380.D (-851) (-)

Ion 128.00 (127.70 to 128.70): BE091380.D (-851) (-)

Ion 54.00 (53.70 to 54.70): BE091380.D (-851) (-)



#7

2-Methylnaphthalene

Concen: 0.13 ng

RT: 11.12 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

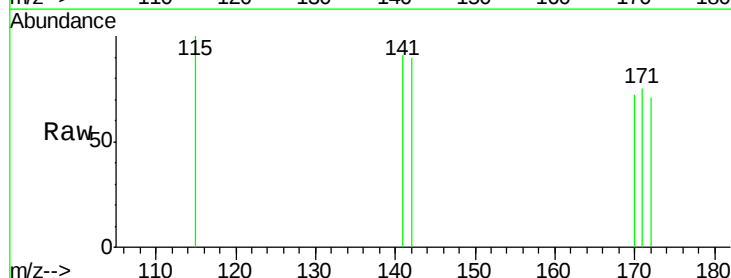
Tgt Ion: 142 Resp: 3

Ion Ratio Lower Upper

142 100

141 101.6 72.3 108.5

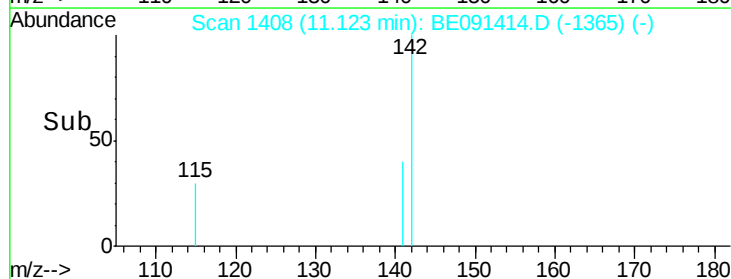
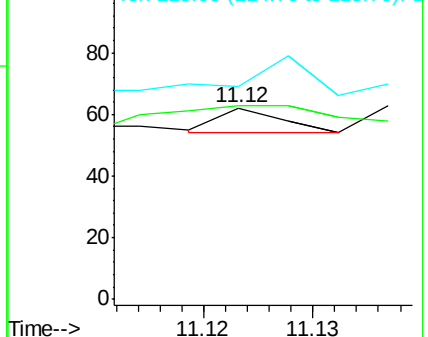
115 111.3 30.5 45.7#

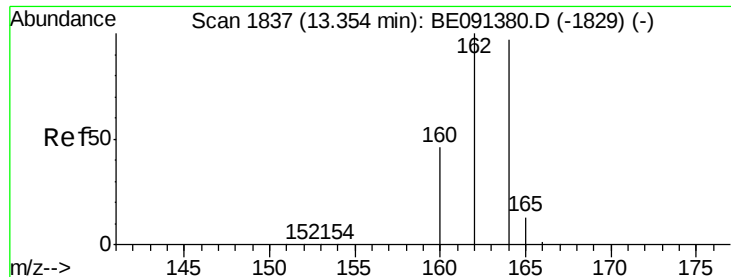


Abundance Ion 142.00 (141.70 to 142.70): BE091380.D (-1397) (-)

Ion 141.00 (140.70 to 141.70): BE091380.D (-1397) (-)

Ion 115.00 (114.70 to 115.70): BE091380.D (-1397) (-)





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.35 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Instrument :

BNA_E

ClientSampleId :

PB88423BL

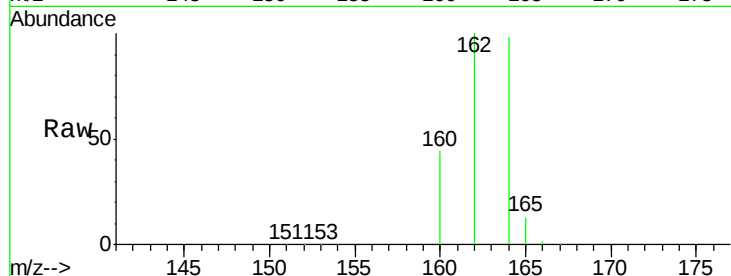
Tgt Ion:164 Resp: 123427

Ion Ratio Lower Upper

164 100

162 102.2 82.2 123.2

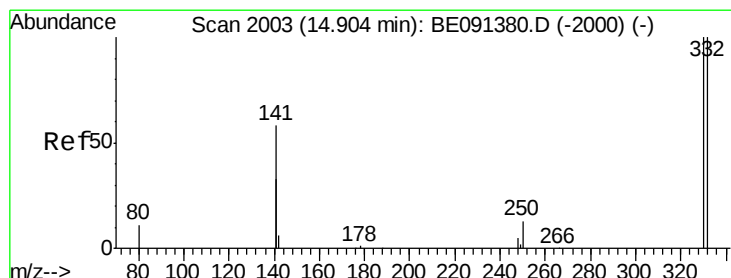
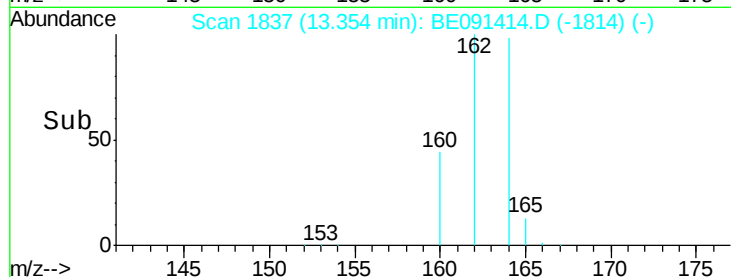
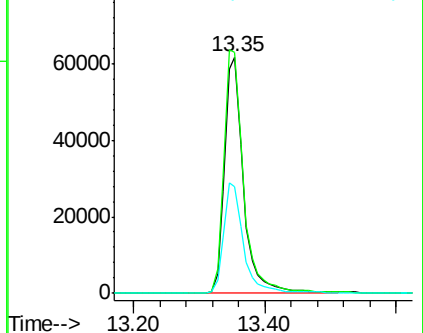
160 45.2 37.8 56.8



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: 5.30 ng

RT: 14.89 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

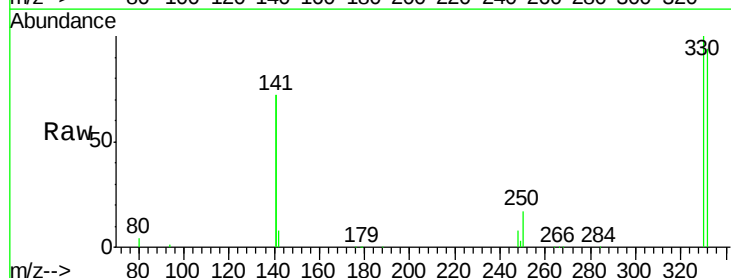
Tgt Ion:330 Resp: 31322

Ion Ratio Lower Upper

330 100

332 96.7 78.8 118.2

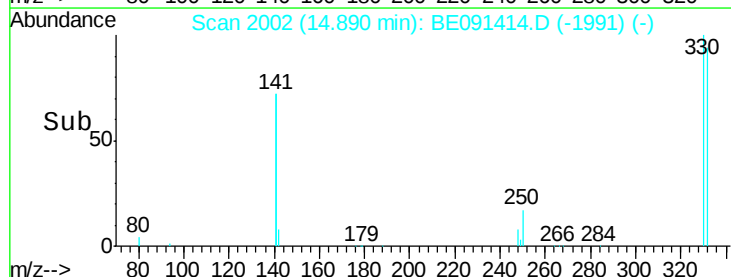
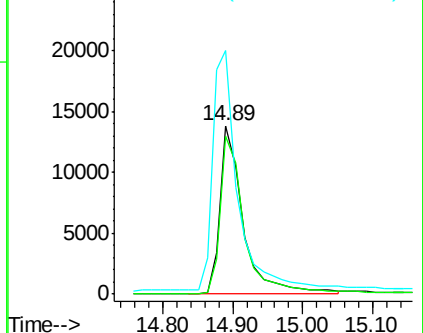
141 158.2 105.1 157.7#

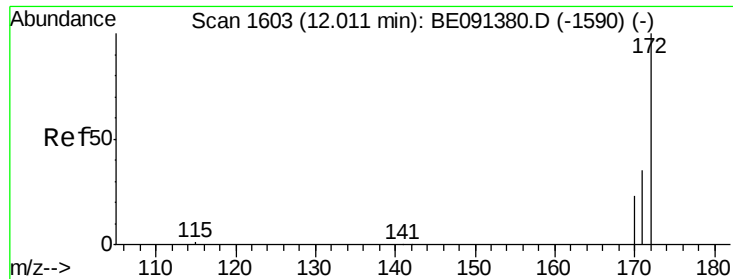


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

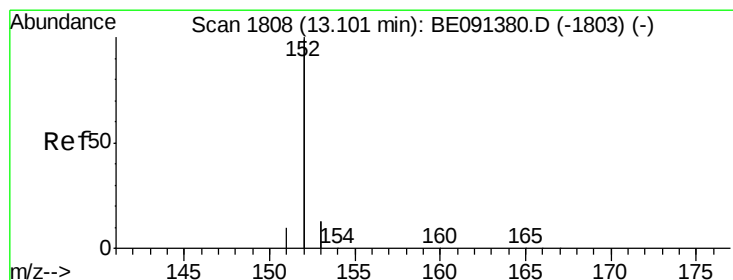
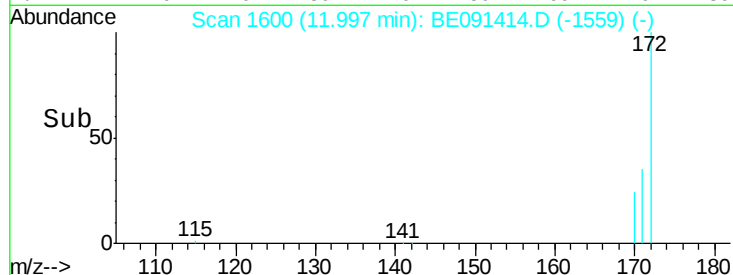
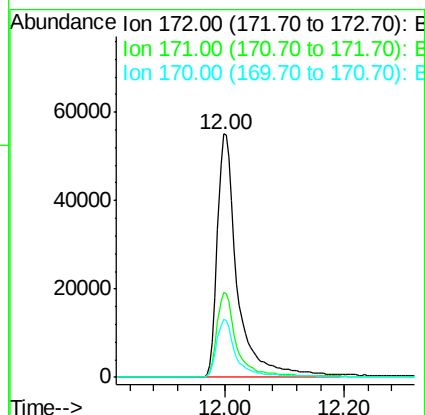
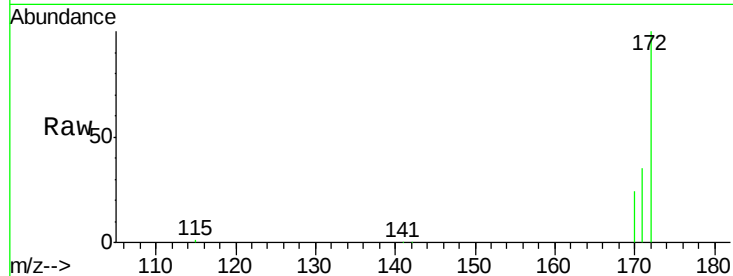




#10
2-Fluorobiphenyl
Concen: 4.04 ng
RT: 12.00 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BE091414.D
Acq: 19 Feb 2016 14:57

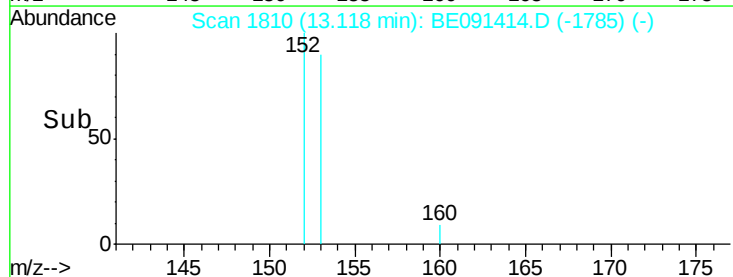
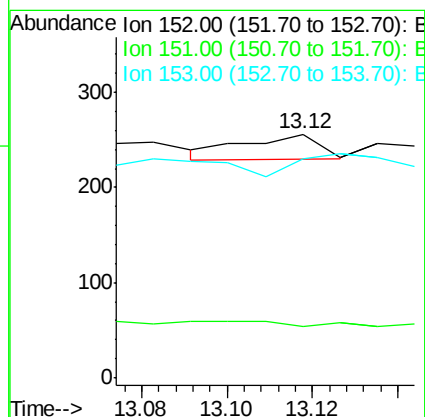
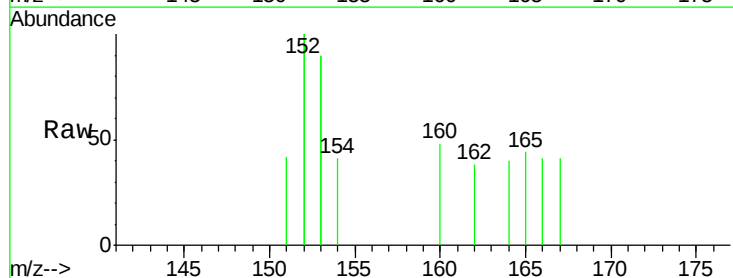
Instrument :
BNA_E
ClientSampleId :
PB88423BL

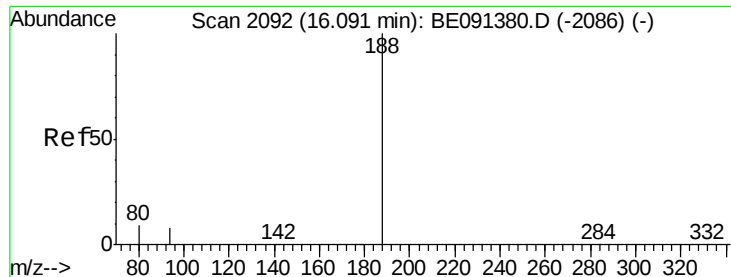
Tgt Ion:172 Resp: 129650
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.8
170 23.7 18.6 28.0



#11
Acenaphthylene
Concen: 0.18 ng
RT: 13.12 min Scan# 1810
Delta R.T. 0.02 min
Lab File: BE091414.D
Acq: 19 Feb 2016 14:57

Tgt Ion:152 Resp: 33
Ion Ratio Lower Upper
152 100
151 0.0 3.8 5.8#
153 172.7 10.2 15.4#





#14

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.08 min Scan# 2091

Delta R.T. -0.01 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Instrument :

BNA_E

ClientSampleId :

PB88423BL

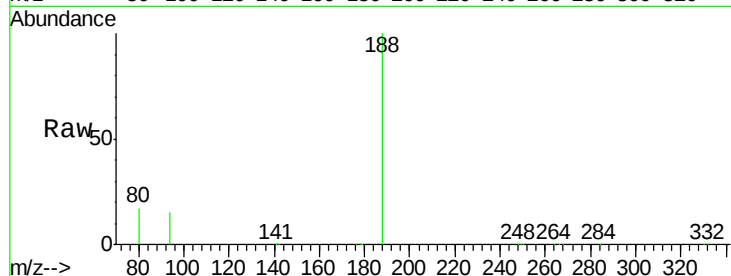
Tgt Ion:188 Resp: 305922

Ion Ratio Lower Upper

188 100

94 15.1 6.6 10.0#

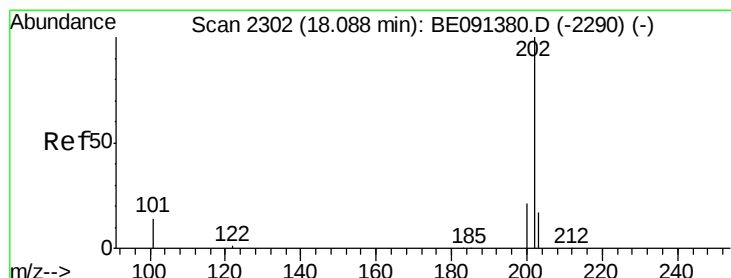
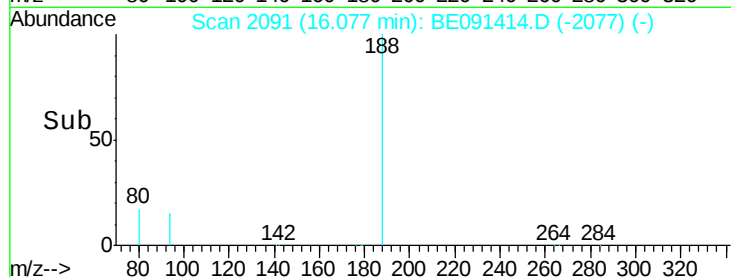
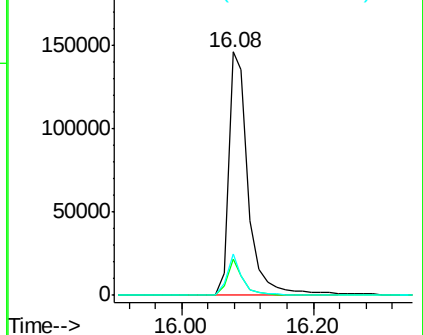
80 17.1 7.0 10.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#17

Fluoranthene

Concen: 0.12 ng

RT: 18.04 min Scan# 2295

Delta R.T. -0.05 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

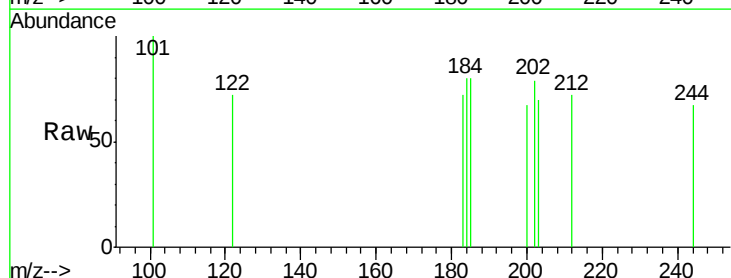
Tgt Ion:202 Resp: 24

Ion Ratio Lower Upper

202 100

101 0.0 10.5 15.7#

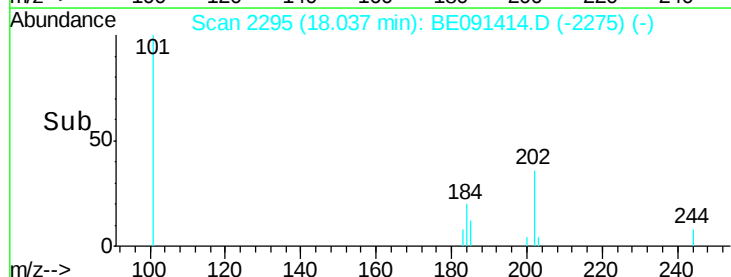
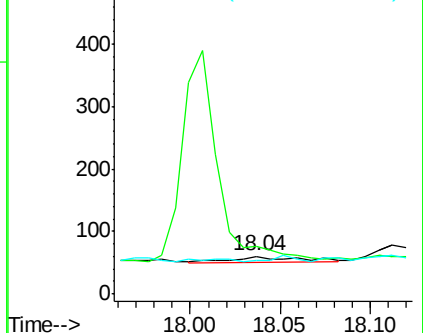
203 37.5 13.9 20.9#

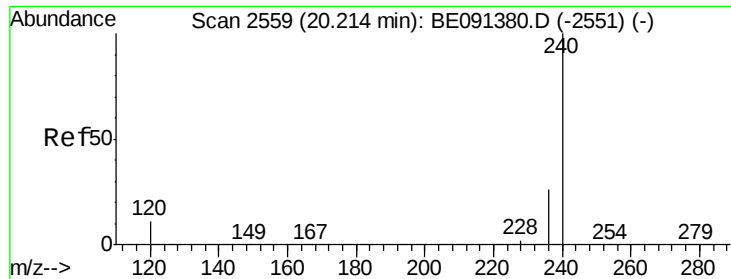


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Chrysene-d12

Concen: 5.00 ng

RT: 20.22 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Instrument :

BNA_E

ClientSampleId :

PB88423BL

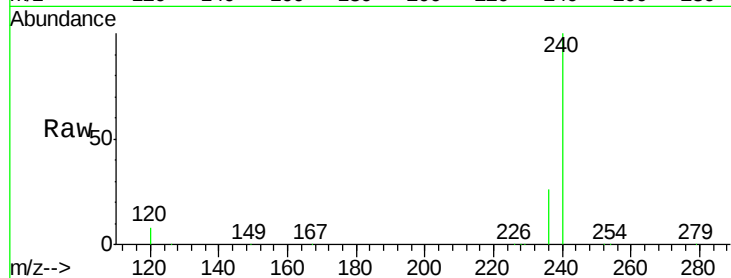
Tgt Ion:240 Resp: 352256

Ion Ratio Lower Upper

240 100

120 8.4 8.9 13.3#

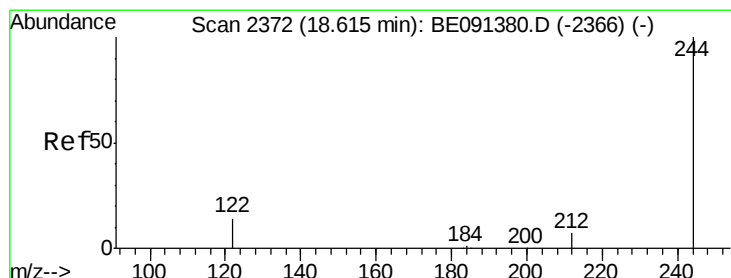
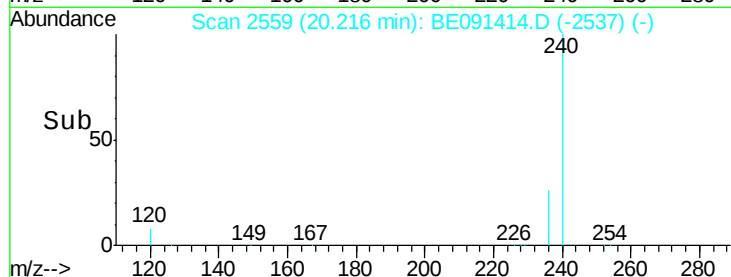
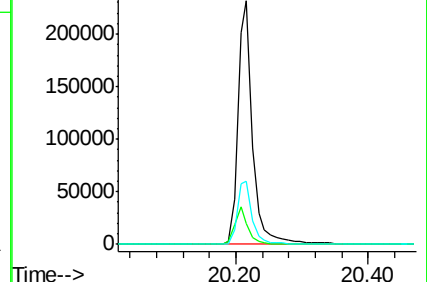
236 25.9 21.0 31.4



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



#20

Terphenyl-d14

Concen: 4.08 ng

RT: 18.61 min Scan# 2371

Delta R.T. -0.01 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

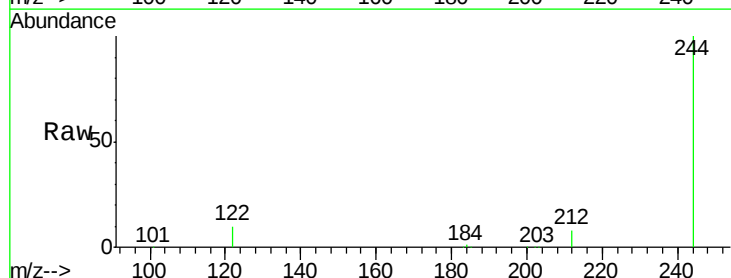
Tgt Ion:244 Resp: 212437

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

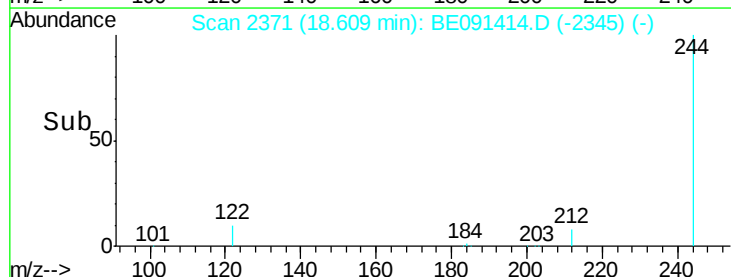
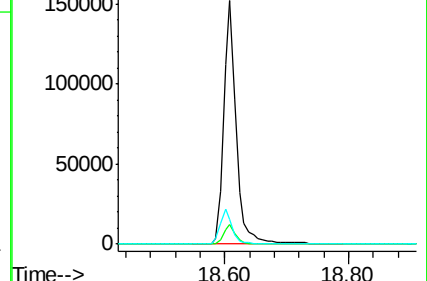
122 10.0 11.0 16.6#

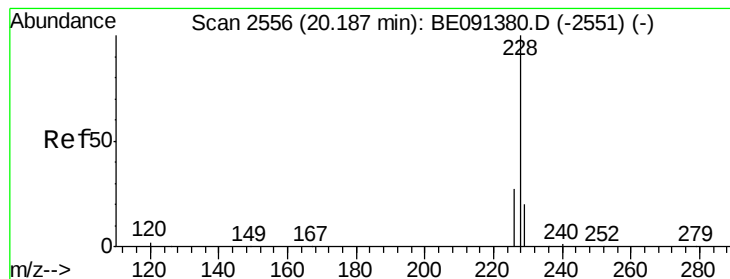


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#21

Benzo(a)anthracene

Concen: 0.18 ng

RT: 20.21 min Scan# 2558

Delta R.T. 0.02 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Instrument :

BNA_E

ClientSampleId :

PB88423BL

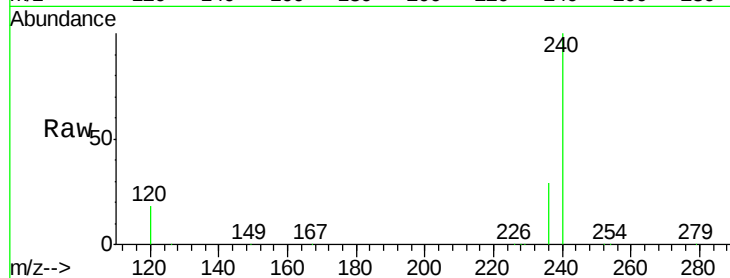
Tgt Ion:228 Resp: 1096

Ion Ratio Lower Upper

228 100

226 14.9 21.7 32.5#

229 30.8 16.1 24.1#



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

20.21

800

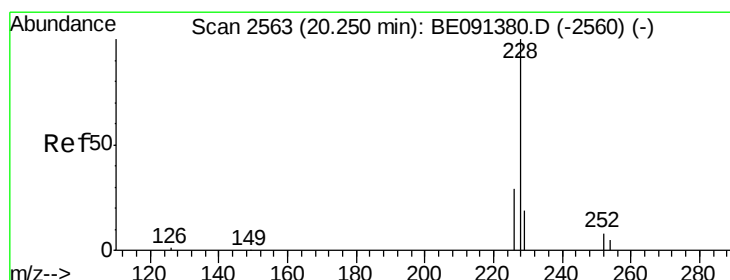
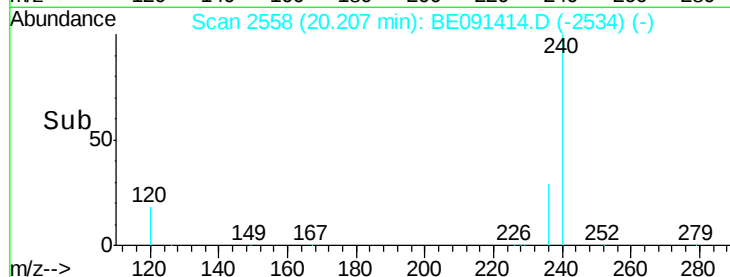
600

400

200

0

Time-->



#22

Chrysene

Concen: Below Cal

RT: 20.21 min Scan# 2558

Delta R.T. -0.04 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

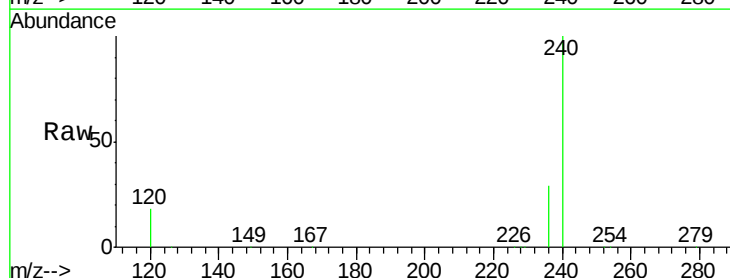
Tgt Ion:228 Resp: 1096

Ion Ratio Lower Upper

228 100

226 14.9 23.4 35.0#

229 30.8 15.7 23.5#



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

20.21

800

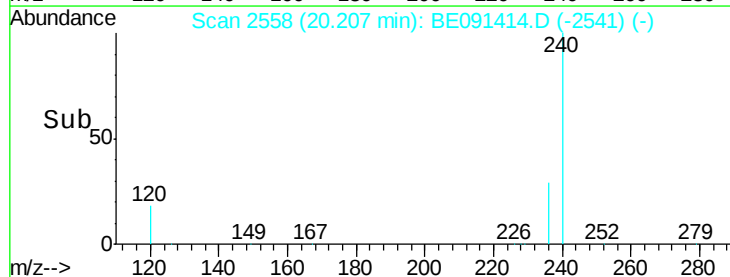
600

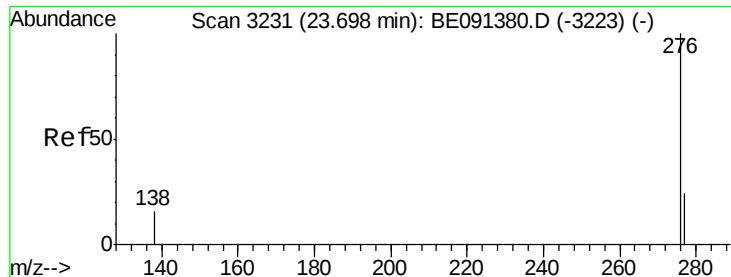
400

200

0

Time-->





#23

Indeno(1,2,3-cd)pyrene

Concen: 0.16 ng

RT: 23.68 min Scan# 3226

Delta R.T. -0.02 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Instrument :

BNA_E

ClientSampleId :

PB88423BL

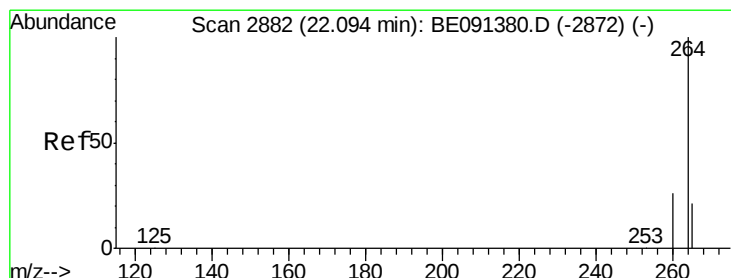
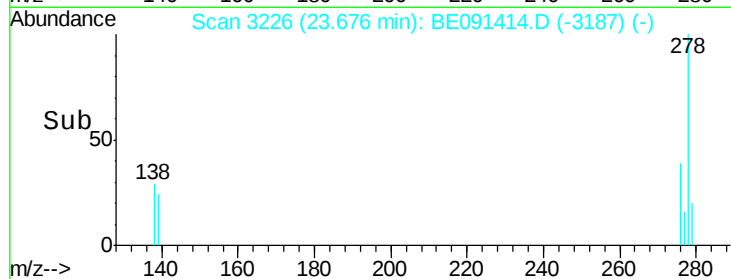
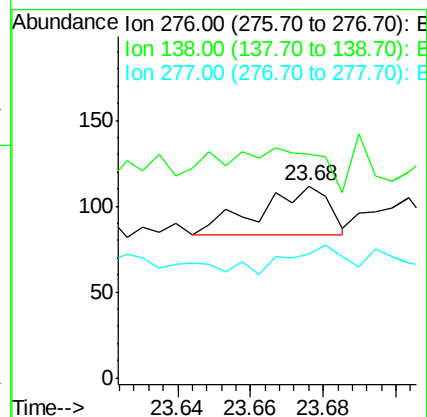
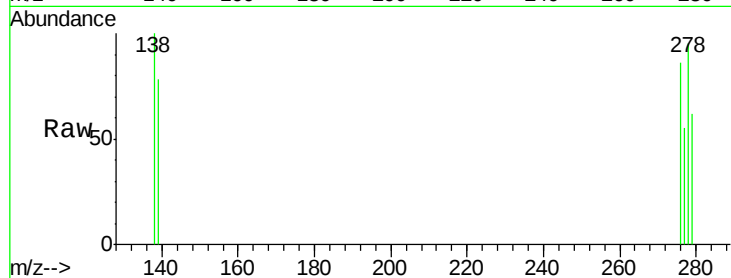
Tgt Ion:276 Resp: 38

Ion Ratio Lower Upper

276 100

138 136.8 16.6 25.0#

277 47.4 19.0 28.6#



#24

Perylene-d12

Concen: 5.00 ng

RT: 22.09 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

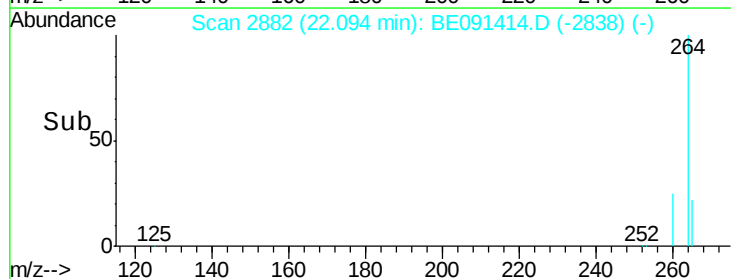
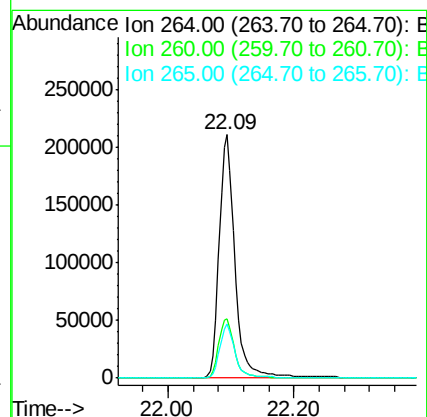
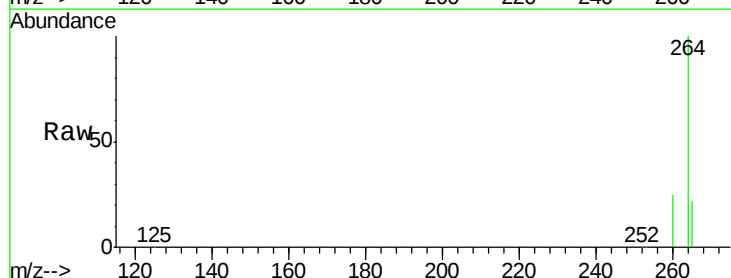
Tgt Ion:264 Resp: 366920

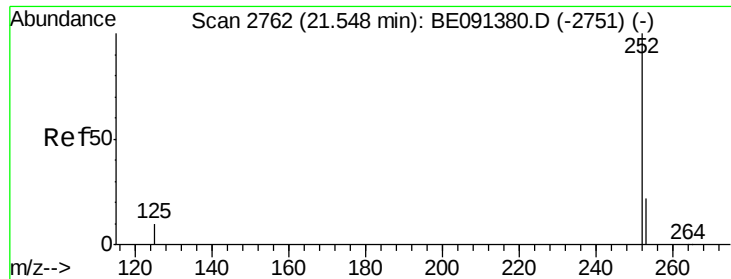
Ion Ratio Lower Upper

264 100

260 24.6 20.7 31.1

265 22.1 17.2 25.8





#25

Benzo(b)fluoranthene

Concen: 0.15 ng

RT: 21.56 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Instrument :

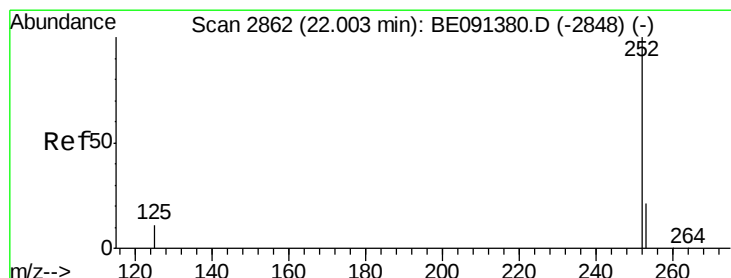
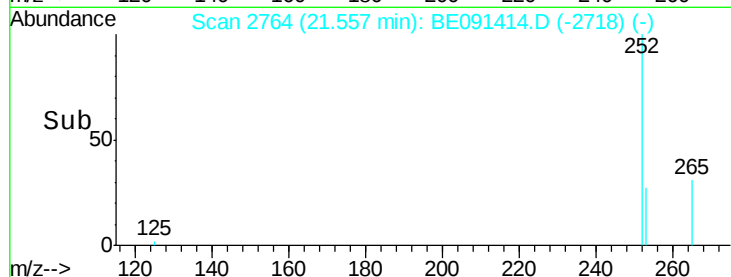
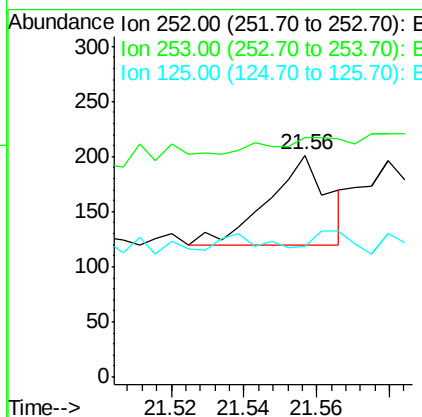
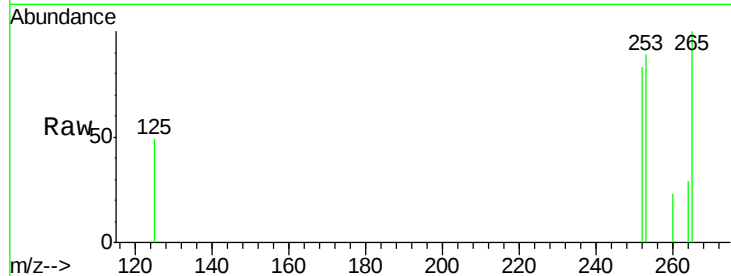
BNA_E

ClientSampleId :

PB88423BL

Tgt Ion:252 Resp: 93

Ion	Ratio	Lower	Upper
252	100		
253	108.0	18.2	27.2#
125	58.7	8.3	12.5#



#27

Benzo(a)pyrene

Concen: 0.17 ng

RT: 22.00 min Scan# 2861

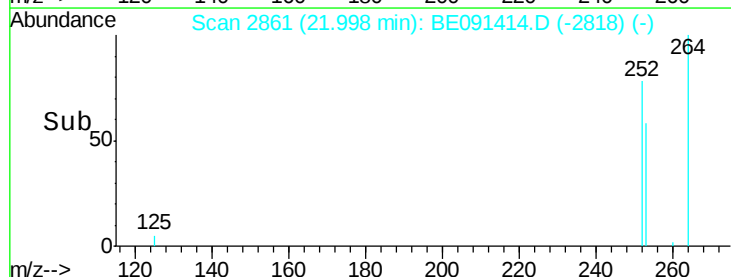
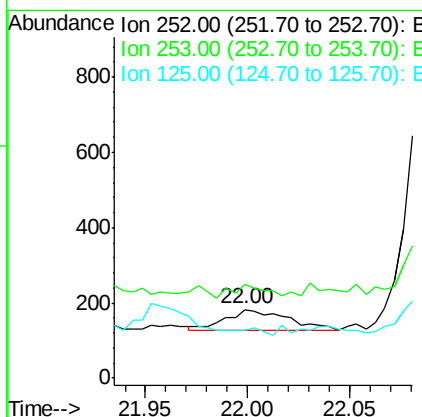
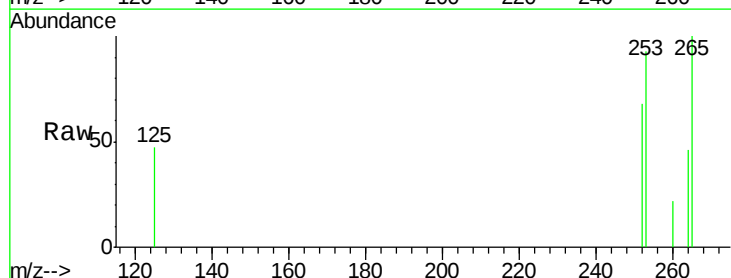
Delta R.T. -0.00 min

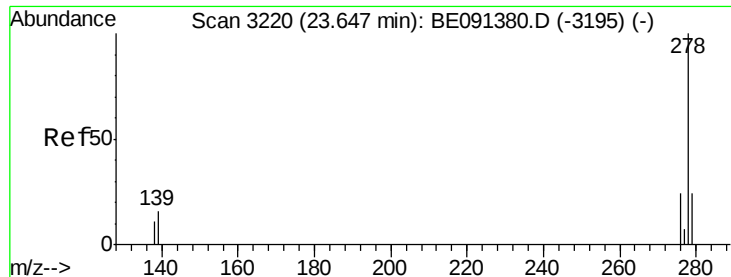
Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Tgt Ion:252 Resp: 116

Ion	Ratio	Lower	Upper
252	100		
253	136.8	17.5	26.3#
125	69.8	9.4	14.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.25 ng

RT: 23.64 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BE091414.D

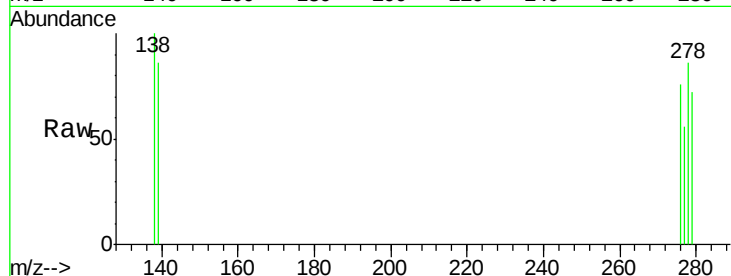
Acq: 19 Feb 2016 14:57

Instrument :

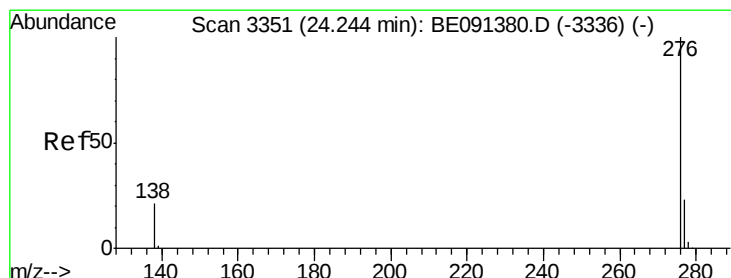
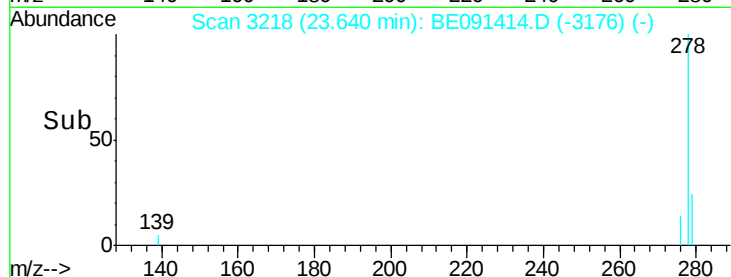
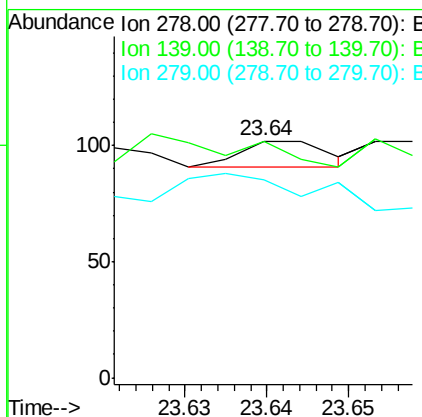
BNA_E

ClientSampleId :

PB88423BL



Tgt Ion:	278	Resp:	8
Ion	Ratio	Lower	Upper
278	100		
139	100.0	13.0	19.4#
279	83.3	19.2	28.8#



#29

Benzo(g,h,i)perylene

Concen: 0.14 ng

RT: 24.25 min Scan# 3351

Delta R.T. 0.00 min

Lab File: BE091414.D

Acq: 19 Feb 2016 14:57

Tgt Ion:	276	Resp:	25
Ion	Ratio	Lower	Upper
276	100		
277	79.0	18.9	28.3#
138	150.6	17.0	25.6#

