

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021916\
 Data File : BE091418.D
 Acq On : 19 Feb 2016 17:38
 Operator : UM/IZ
 Sample : H1519-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS037-160217

Quant Time: Feb 19 22:39:04 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

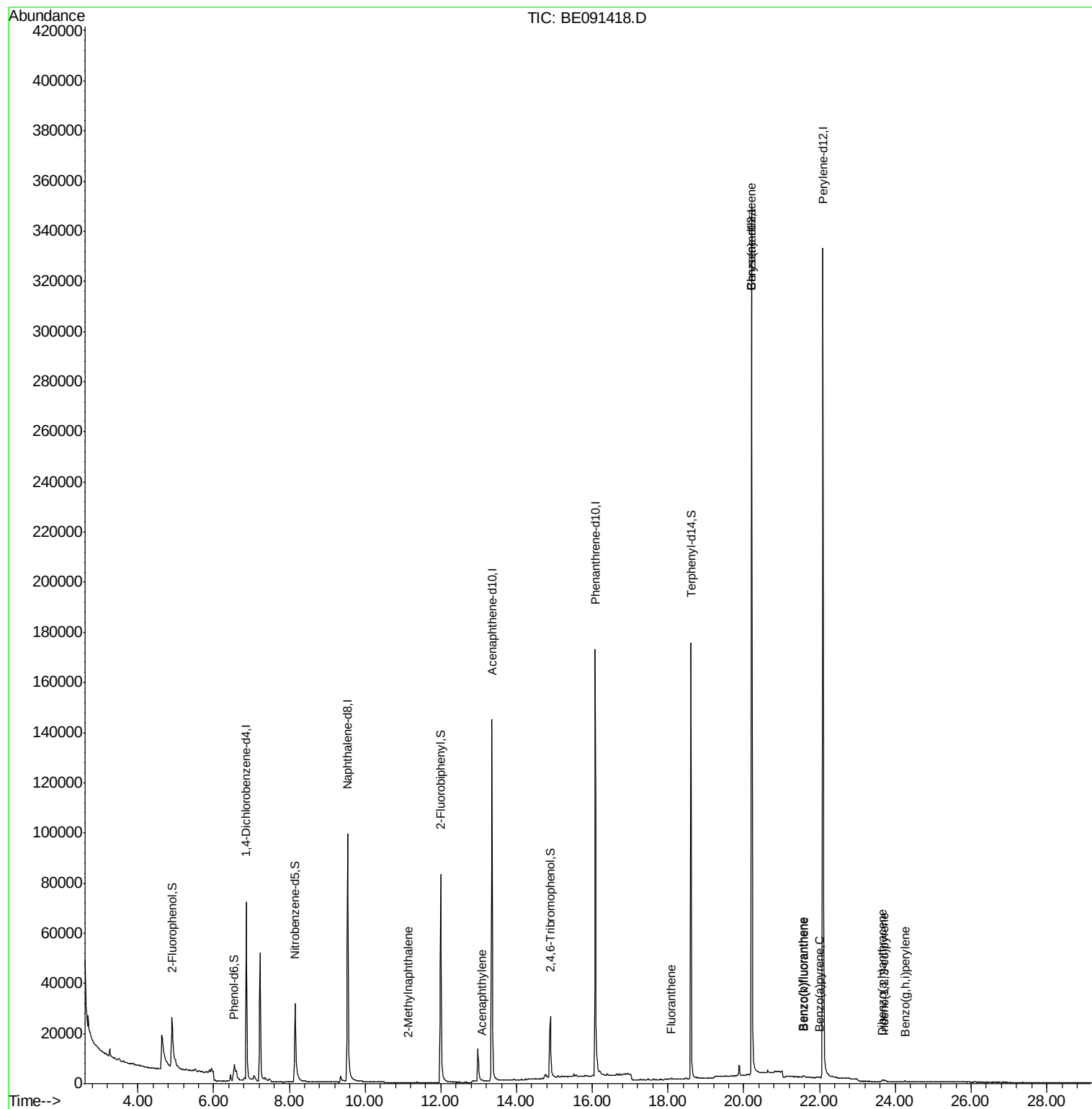
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	39198	5.00	ng	0.00
4) Naphthalene-d8	9.54	136	163853	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	90778	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	222698	5.00	ng	-0.01
18) Chrysene-d12	20.21	240	342430	5.00	ng	0.00
24) Perylene-d12	22.09	264	360183	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.91	112	19182	2.23	ng	-0.03
3) Phenol-d6	6.56	99	13025	1.17	ng	-0.01
5) Nitrobenzene-d5	8.15	82	45395	4.23	ng	-0.02
9) 2,4,6-Tribromophenol	14.89	330	13782	3.31	ng	-0.01
10) 2-Fluorobiphenyl	11.99	172	104870	4.44	ng	-0.02
20) Terphenyl-d14	18.61	244	189128	3.73	ng	0.00
Target Compounds						
7) 2-Methylnaphthalene	11.15	142	259	0.14	ng	# 75
11) Acenaphthylene	13.10	152	303	0.18	ng	# 90
17) Fluoranthene	18.10	202	419	0.12	ng	# 71
21) Benzo(a)anthracene	20.21	228	1402	0.19	ng	# 74
22) Chrysene	20.21	228	1402	Below Cal		# 73
23) Indeno(1,2,3-cd)pyrene	23.71	276	790	0.17	ng	# 85
25) Benzo(b)fluoranthene	21.55	252	466	0.15	ng	# 1
26) Benzo(k)fluoranthene	21.58	252	588	0.02	ng	# 1
27) Benzo(a)pyrene	22.00	252	473	0.18	ng	# 1
28) Dibenzo(a,h)anthracene	23.66	278	1091	0.26	ng	# 9
29) Benzo(g,h,i)perylene	24.25	276	593	0.15	ng	# 20

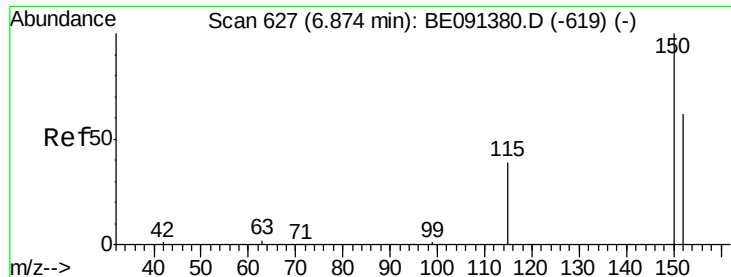
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 626

Delta R.T. -0.01 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160217

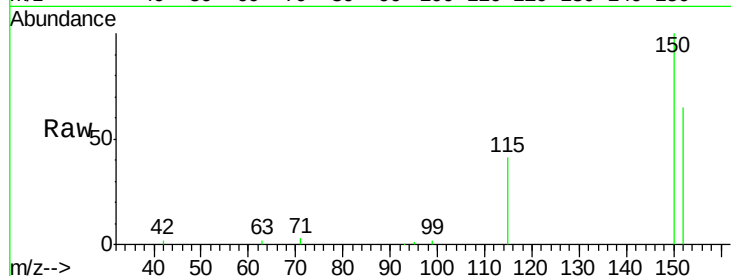
Tgt Ion:152 Resp: 39198

Ion Ratio Lower Upper

152 100

150 155.0 128.9 193.3

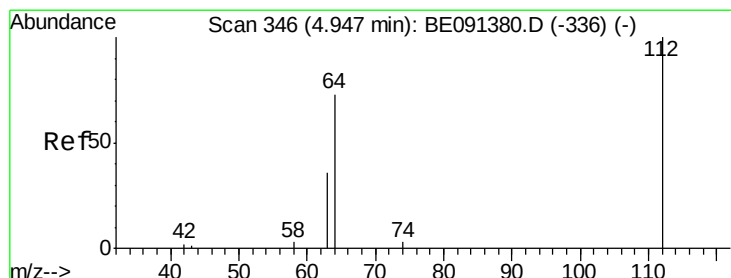
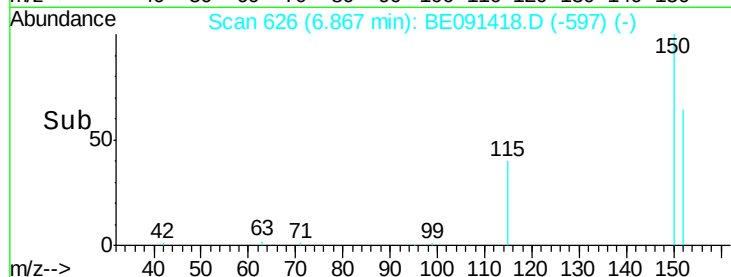
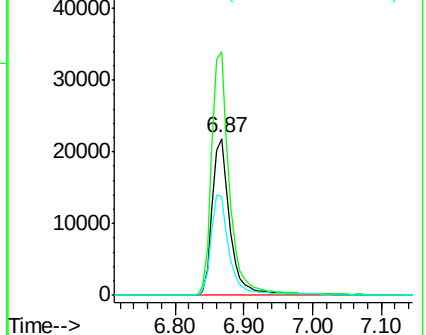
115 62.9 50.9 76.3



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: 2.23 ng

RT: 4.91 min Scan# 341

Delta R.T. -0.03 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

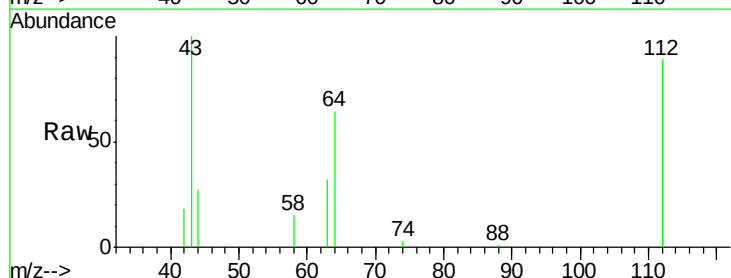
Tgt Ion:112 Resp: 19182

Ion Ratio Lower Upper

112 100

64 74.4 60.5 90.7

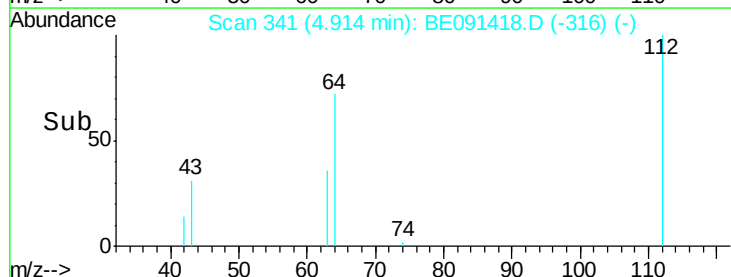
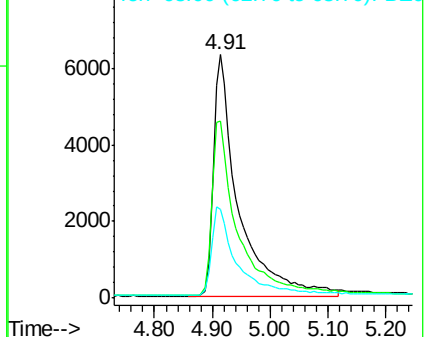
63 37.9 29.8 44.8

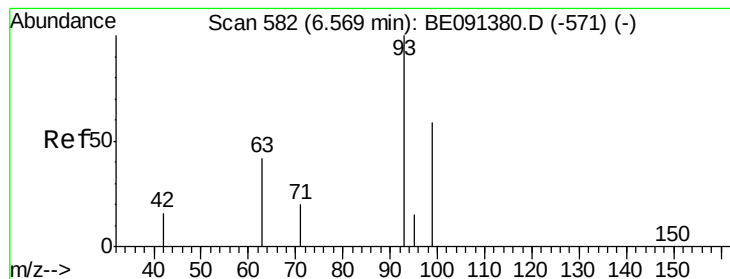


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 1.17 ng

RT: 6.56 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160217

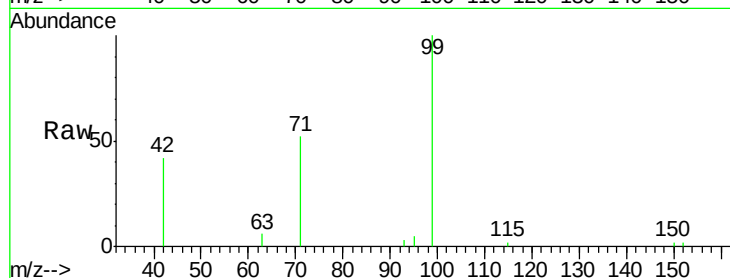
Tgt Ion: 99 Resp: 13025

Ion Ratio Lower Upper

99 100

42 0.0 13.3 19.9#

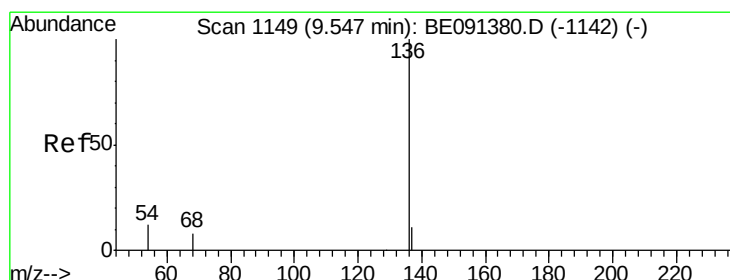
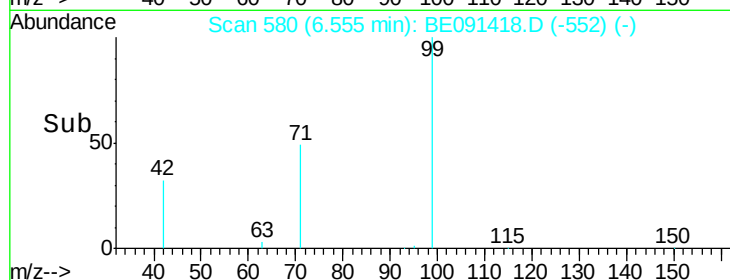
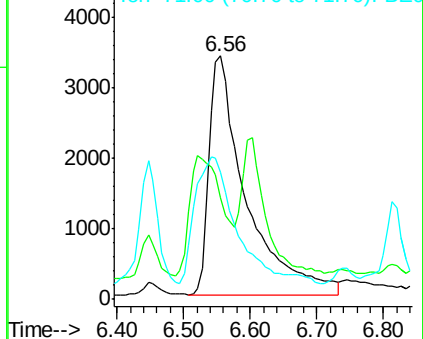
71 62.8 25.6 38.4#



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: BE091418.D

Acq: 19 Feb 2016 17:38

Tgt Ion: 136 Resp: 163853

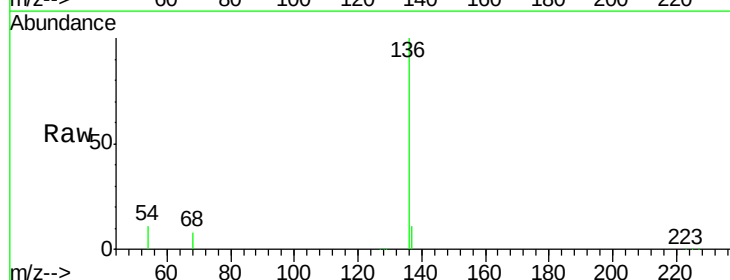
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.4 9.3 13.9

68 8.1 6.7 10.1

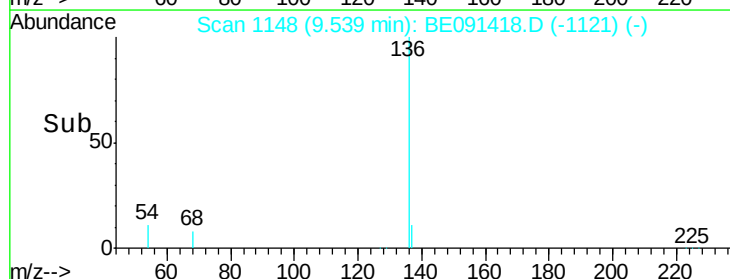
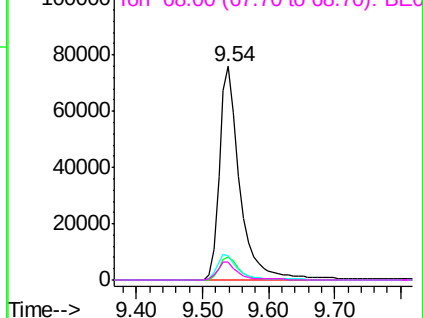


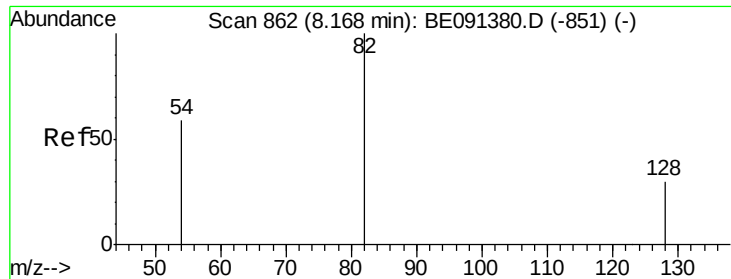
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.23 ng

RT: 8.15 min Scan# 858

Delta R.T. -0.02 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160217

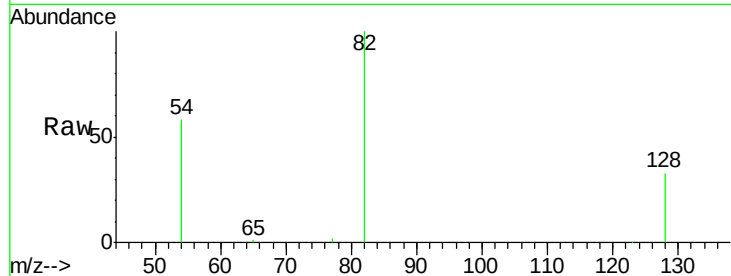
Tgt Ion: 82 Resp: 45395

Ion Ratio Lower Upper

82 100

128 32.7 25.0 37.4

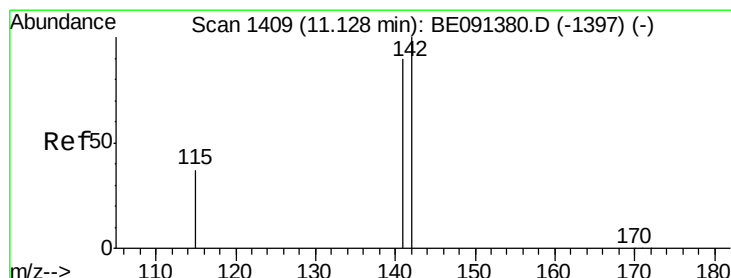
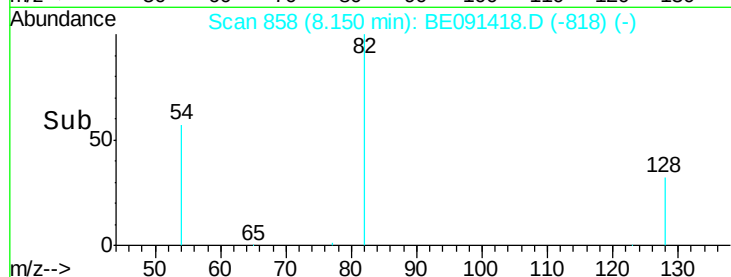
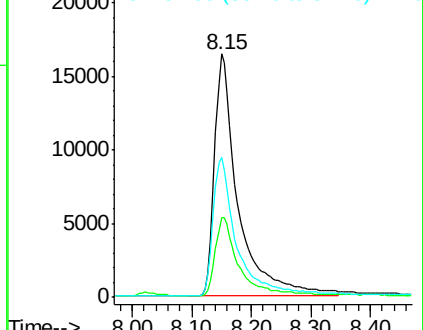
54 57.6 48.1 72.1



Abundance Ion 82.00 (81.70 to 82.70): BE091418.D (-818) (-)

Ion 128.00 (127.70 to 128.70): BE091418.D (-818) (-)

Ion 54.00 (53.70 to 54.70): BE091418.D (-818) (-)



#7

2-Methylnaphthalene

Concen: 0.14 ng

RT: 11.15 min Scan# 1413

Delta R.T. 0.02 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

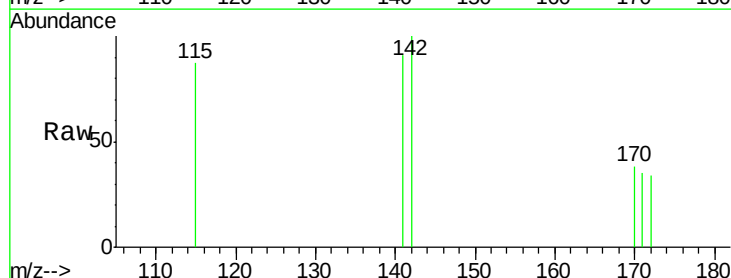
Tgt Ion: 142 Resp: 259

Ion Ratio Lower Upper

142 100

141 91.2 72.3 108.5

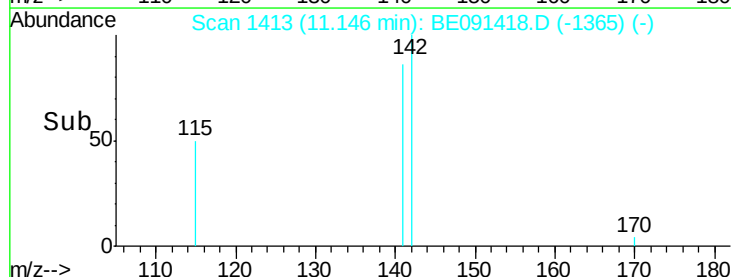
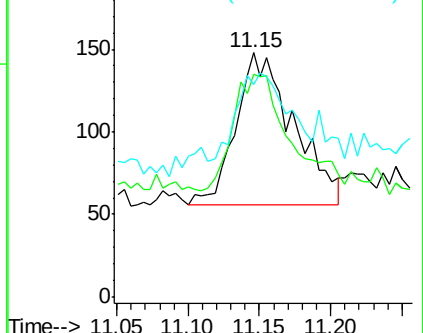
115 87.2 30.5 45.7#

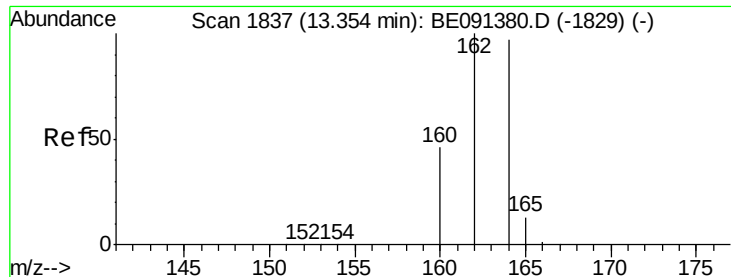


Abundance Ion 142.00 (141.70 to 142.70): BE091418.D (-1365) (-)

Ion 141.00 (140.70 to 141.70): BE091418.D (-1365) (-)

Ion 115.00 (114.70 to 115.70): BE091418.D (-1365) (-)





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.35 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160217

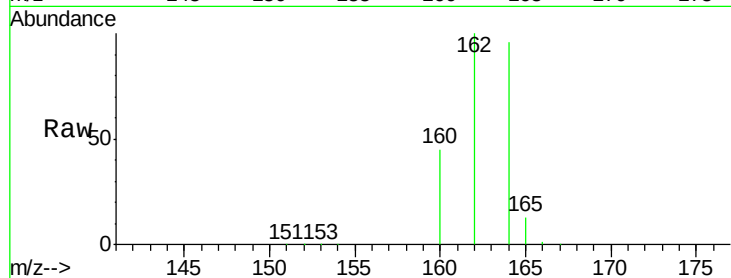
Tgt Ion:164 Resp: 90778

Ion Ratio Lower Upper

164 100

162 103.9 82.2 123.2

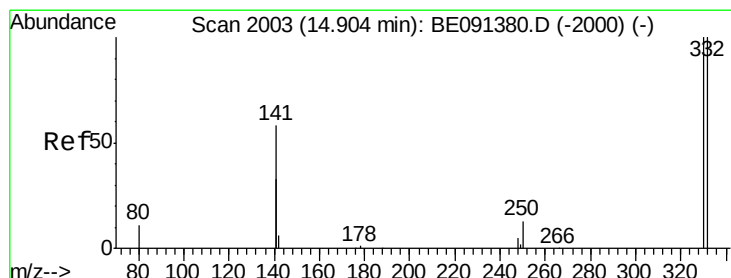
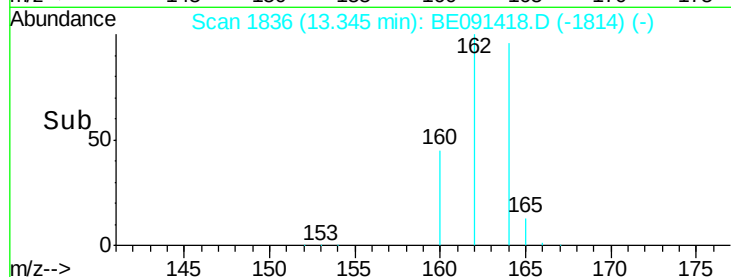
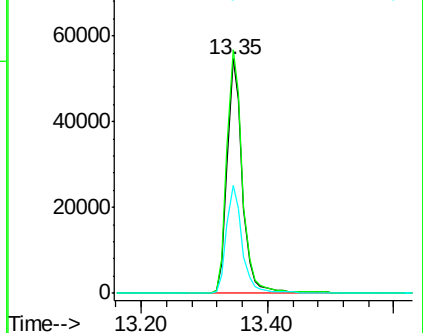
160 46.3 37.8 56.8



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: 3.31 ng

RT: 14.89 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

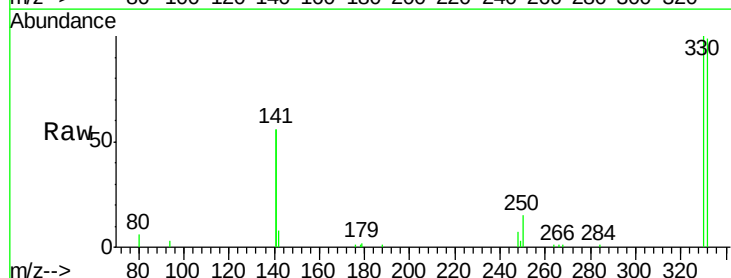
Tgt Ion:330 Resp: 13782

Ion Ratio Lower Upper

330 100

332 97.3 78.8 118.2

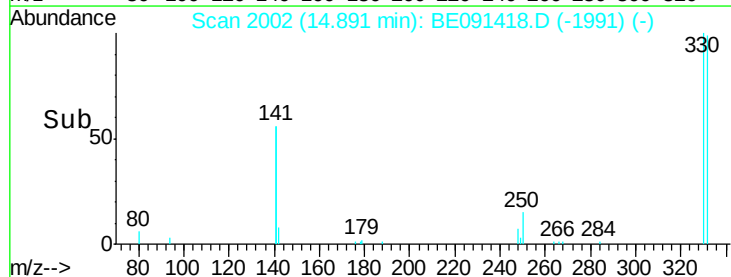
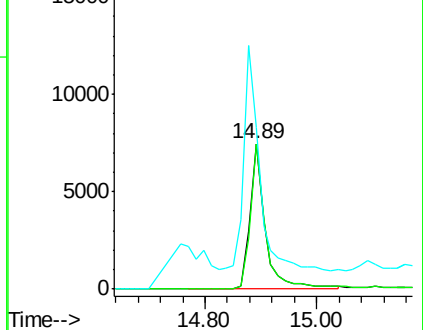
141 157.7 105.1 157.7#

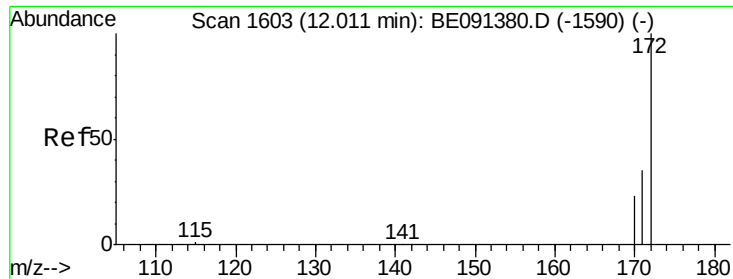


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

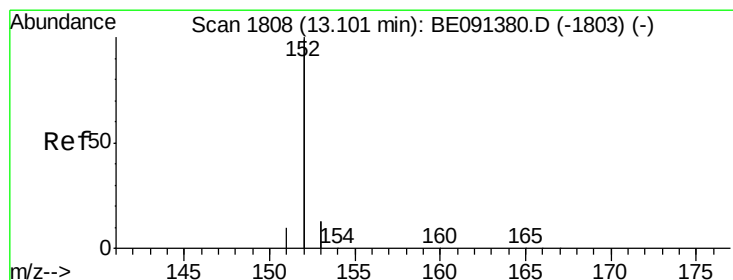
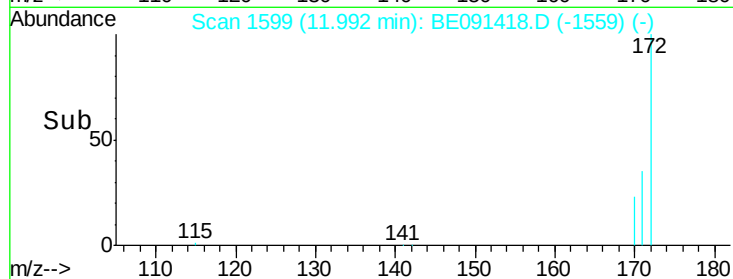
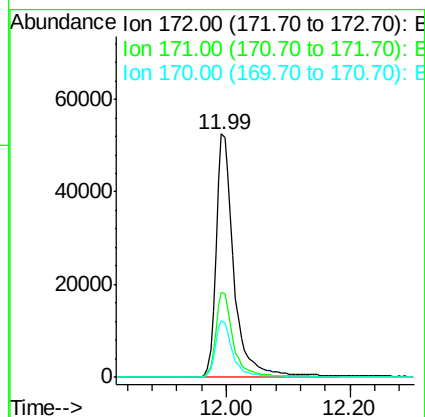
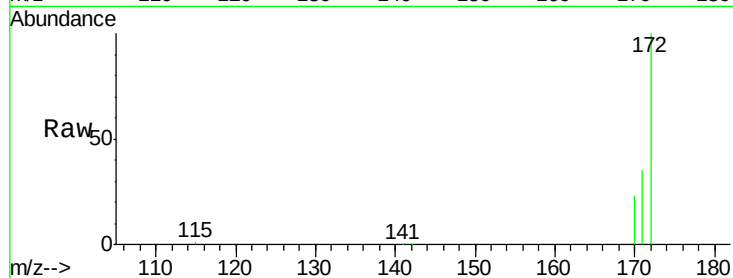




#10
2-Fluorobiphenyl
Concen: 4.44 ng
RT: 11.99 min Scan# 1599
Delta R.T. -0.02 min
Lab File: BE091418.D
Acq: 19 Feb 2016 17:38

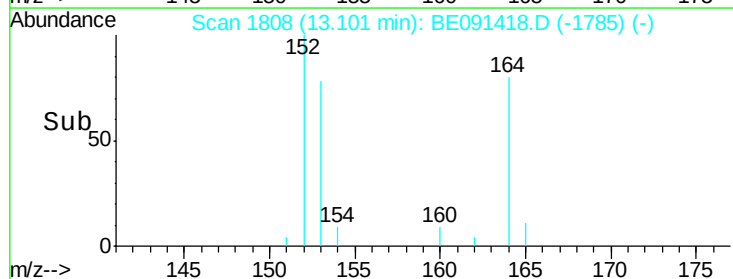
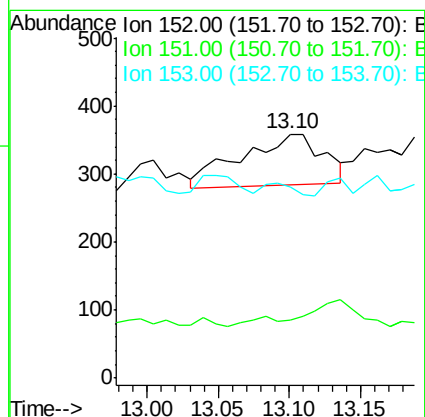
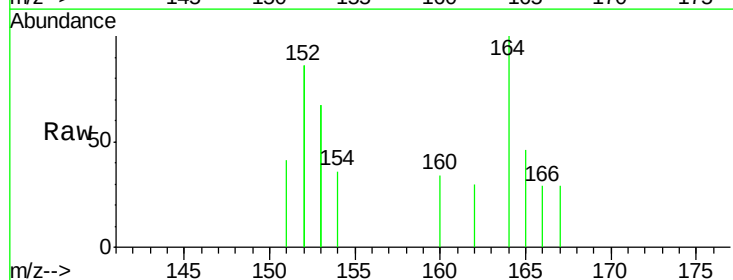
Instrument :
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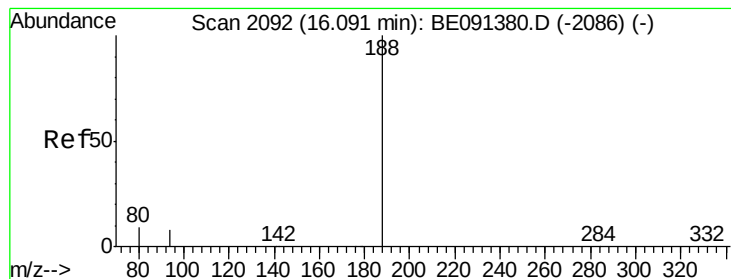
Tgt Ion:172 Resp: 104870
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.5 18.6 28.0



#11
Acenaphthylene
Concen: 0.18 ng
RT: 13.10 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BE091418.D
Acq: 19 Feb 2016 17:38

Tgt Ion:152 Resp: 303
Ion Ratio Lower Upper
152 100
151 6.6 3.8 5.8#
153 8.3 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: BE091418.D

Acq: 19 Feb 2016 17:38

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160217

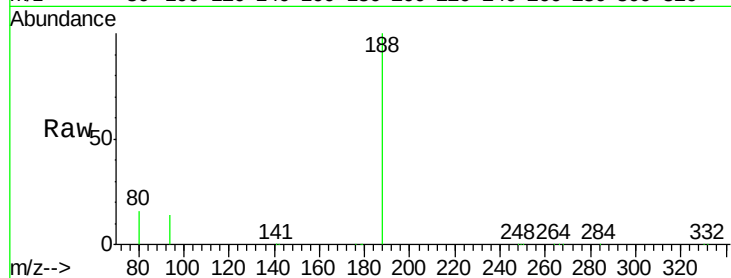
Tgt Ion:188 Resp: 222698

Ion Ratio Lower Upper

188 100

94 14.0 6.6 10.0#

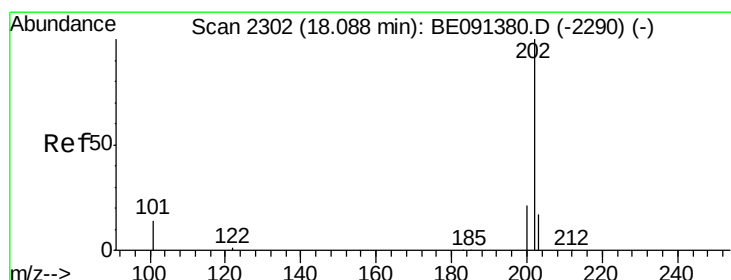
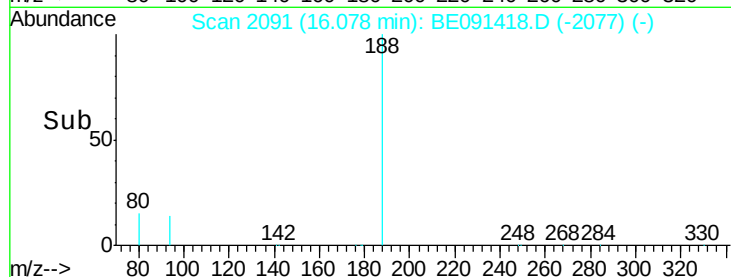
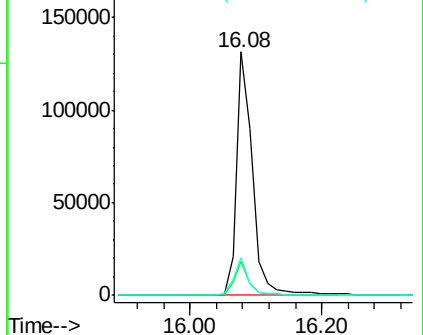
80 15.6 7.0 10.6#



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: 18.10 min Scan# 2303

Delta R.T. 0.01 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

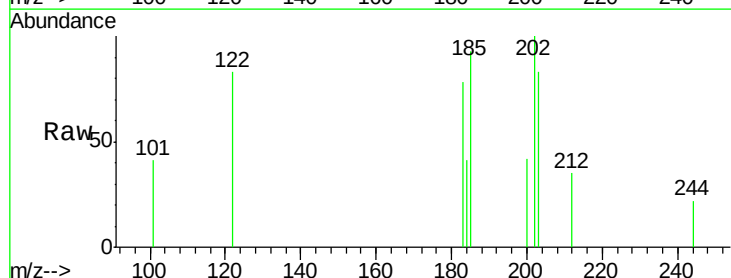
Tgt Ion:202 Resp: 419

Ion Ratio Lower Upper

202 100

101 15.0 10.5 15.7

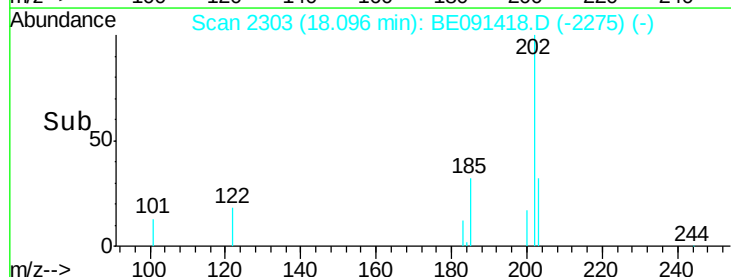
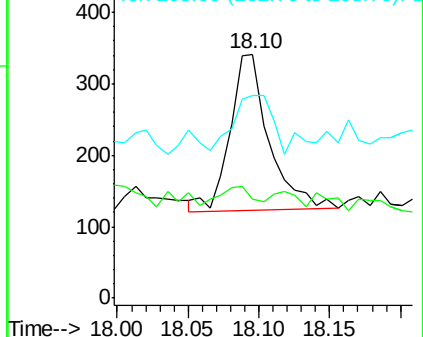
203 37.9 13.9 20.9#

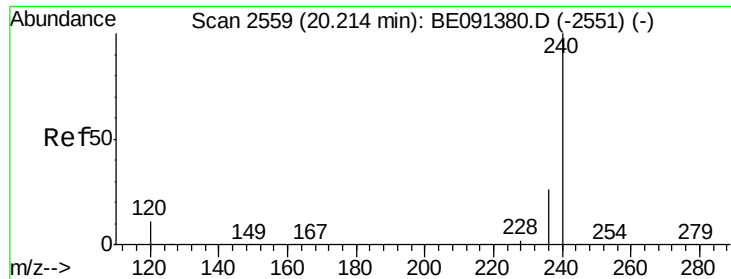


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.21 min Scan# 2559

Delta R.T. -0.01 min

Lab File: BE091418.D

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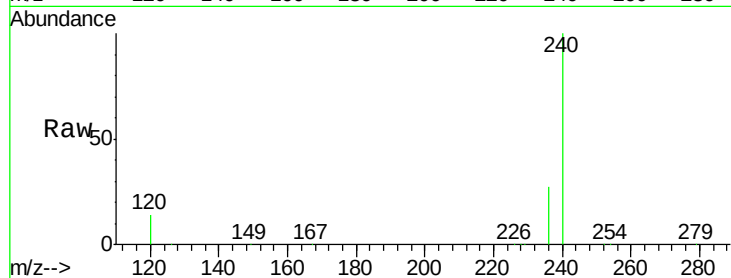
Tgt Ion:240 Resp: 342430

Ion Ratio Lower Upper

240 100

120 13.8 8.9 13.3#

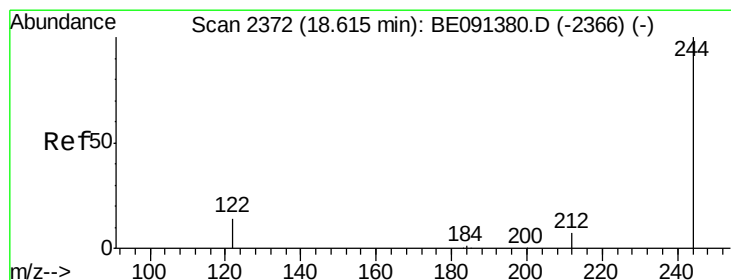
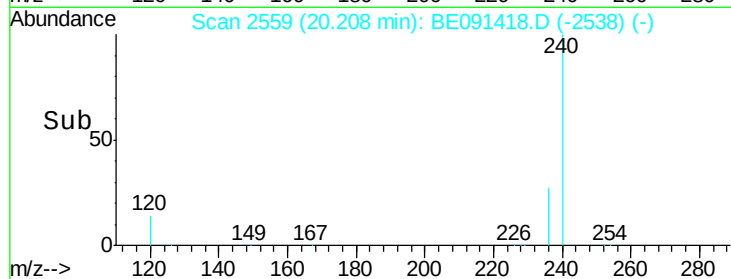
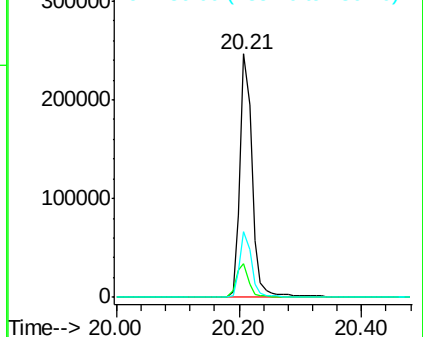
236 27.0 21.0 31.4



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: 3.73 ng

RT: 18.61 min Scan# 2371

Delta R.T. -0.01 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

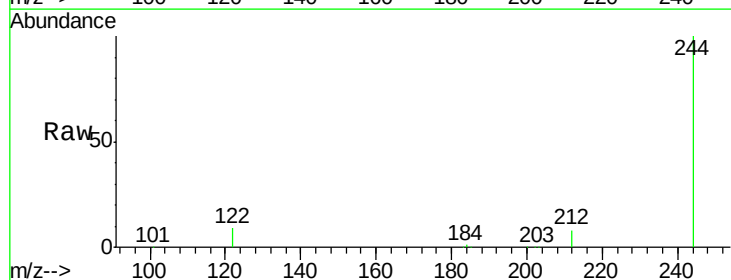
Tgt Ion:244 Resp: 189128

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

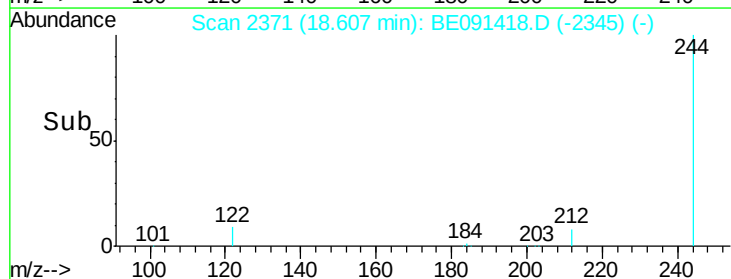
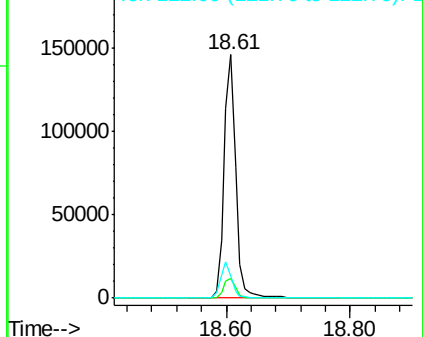
122 9.2 11.0 16.6#

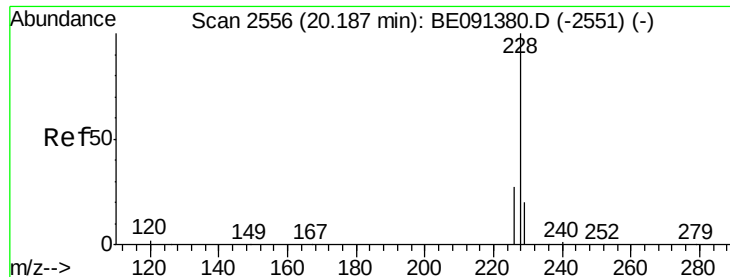


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#21

Benzo(a)anthracene

Concen: 0.19 ng

RT: 20.21 min Scan# 2559

Delta R.T. 0.02 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

Instrument :

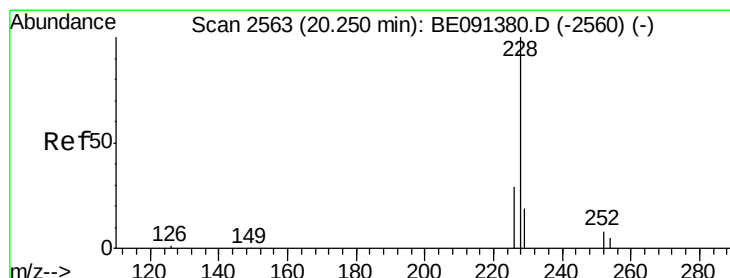
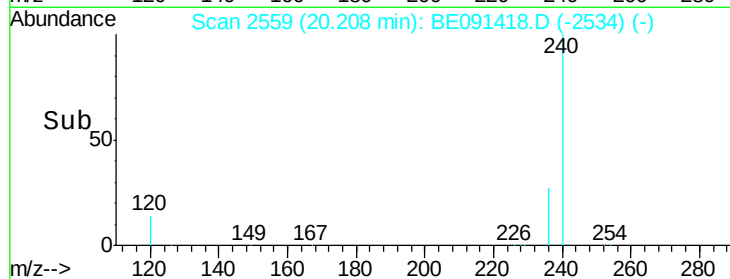
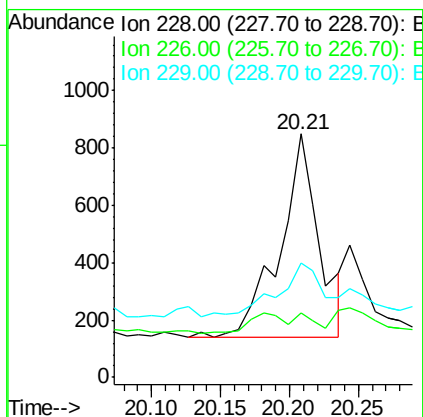
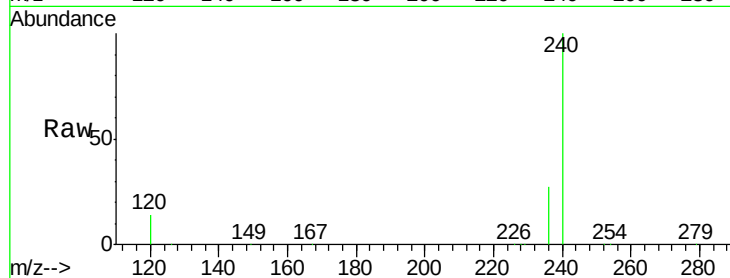
BNA_E

ClientSampleId :

KY038PS037-160217

Tgt Ion:228 Resp: 1402

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.7	32.5
229	46.9	16.1	24.1#



#22

Chrysene

Concen: Below Cal

RT: 20.21 min Scan# 2559

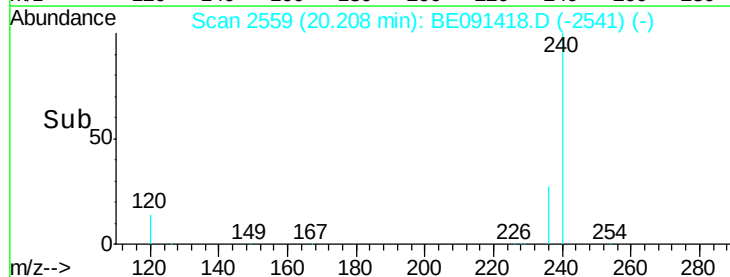
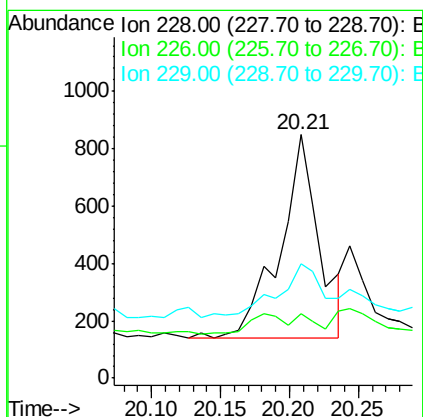
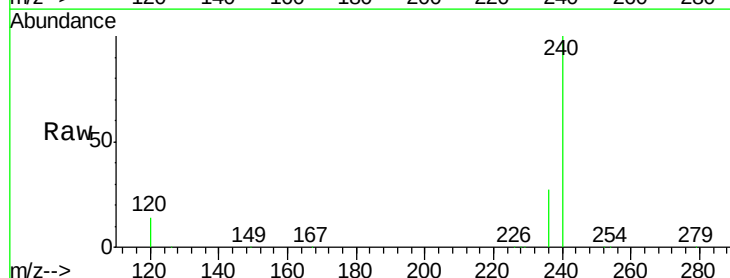
Delta R.T. -0.04 min

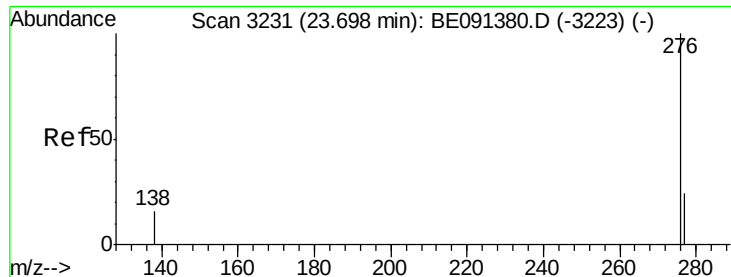
Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

Tgt Ion:228 Resp: 1402

Ion	Ratio	Lower	Upper
228	100		
226	26.4	23.4	35.0
229	46.9	15.7	23.5#





#23

Indeno(1,2,3-cd)pyrene

Concen: 0.17 ng

RT: 23.71 min Scan# 3235

Delta R.T. 0.02 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160217

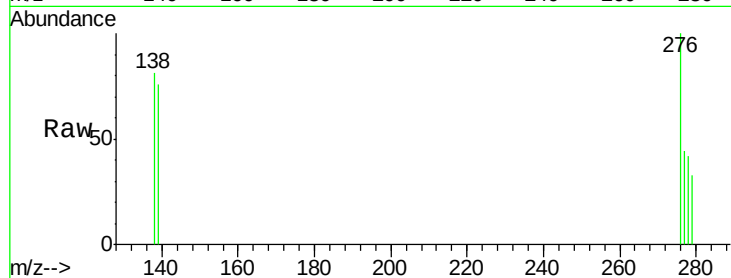
Tgt Ion:276 Resp: 790

Ion Ratio Lower Upper

276 100

138 17.6 16.6 25.0

277 34.8 19.0 28.6#

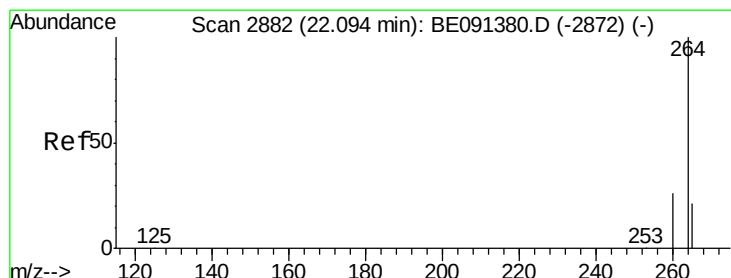
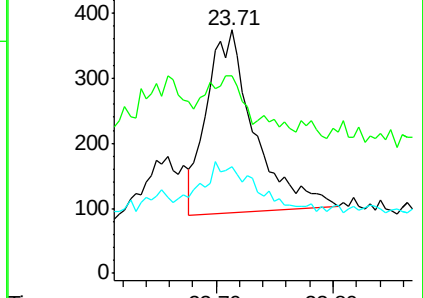
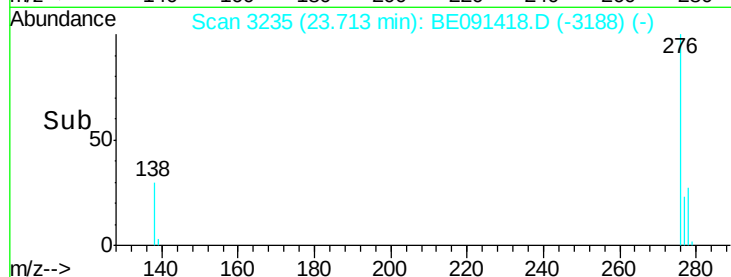


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->



#24

Perylene-d12

Concen: 5.00 ng

RT: 22.09 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

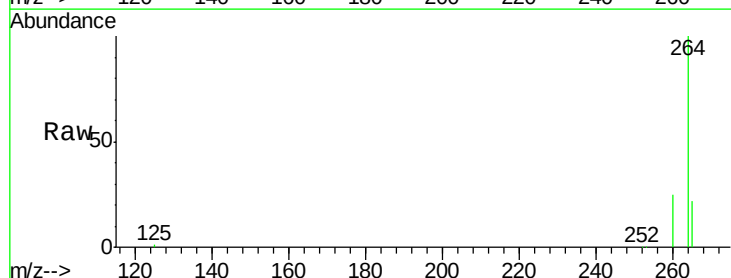
Tgt Ion:264 Resp: 360183

Ion Ratio Lower Upper

264 100

260 24.9 20.7 31.1

265 21.9 17.2 25.8

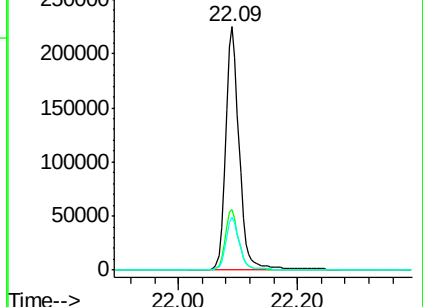
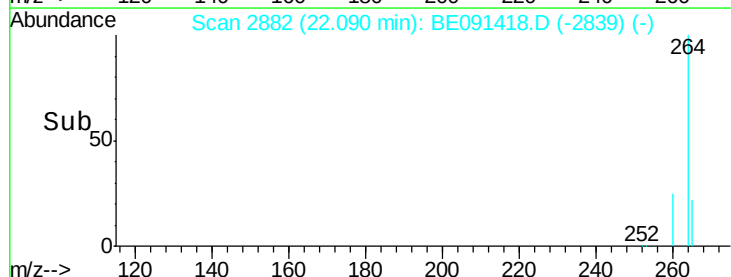


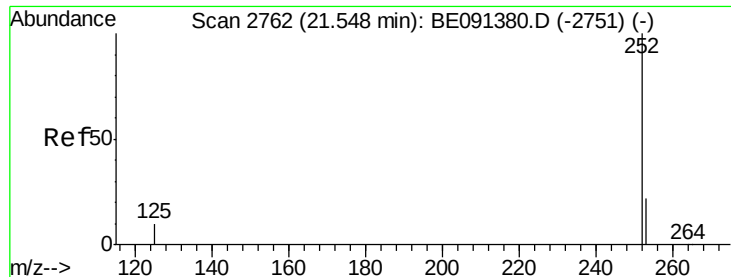
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->





#25

Benzo(b)fluoranthene

Concen: 0.15 ng

RT: 21.55 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160217

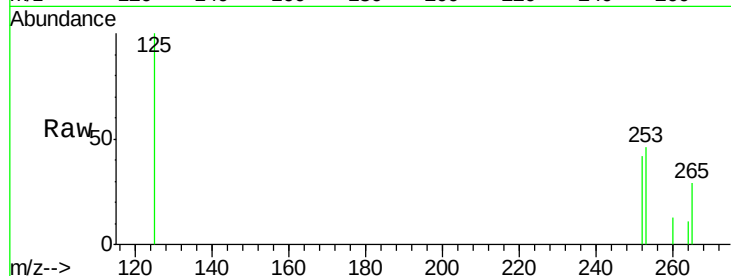
Tgt Ion:252 Resp: 466

Ion Ratio Lower Upper

252 100

253 110.1 18.2 27.2#

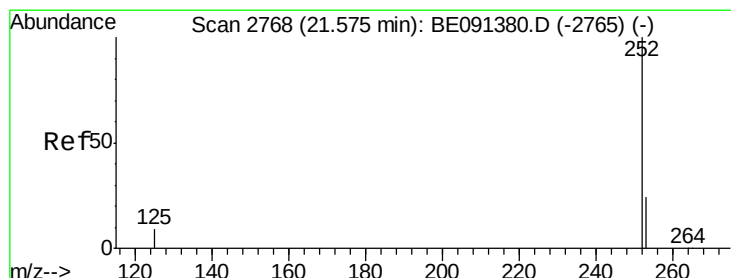
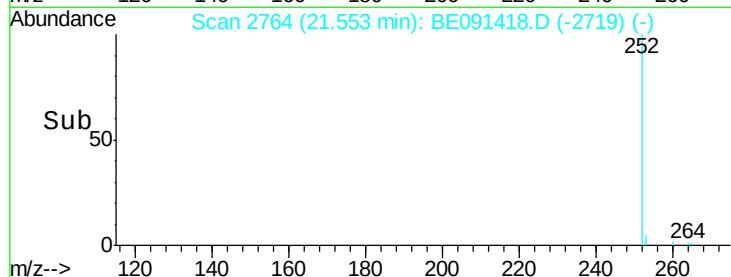
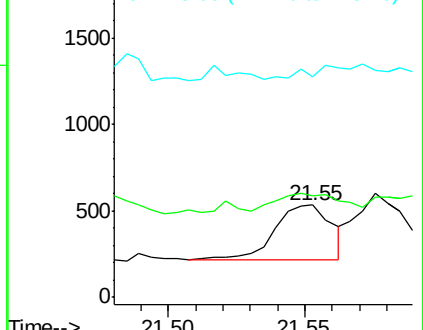
125 239.4 8.3 12.5#



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: 0.02 ng

RT: 21.58 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

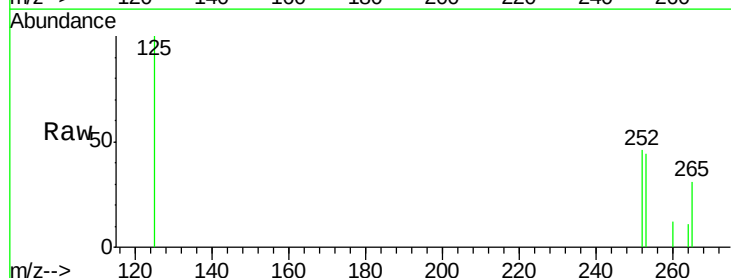
Tgt Ion:252 Resp: 588

Ion Ratio Lower Upper

252 100

253 96.8 18.1 27.1#

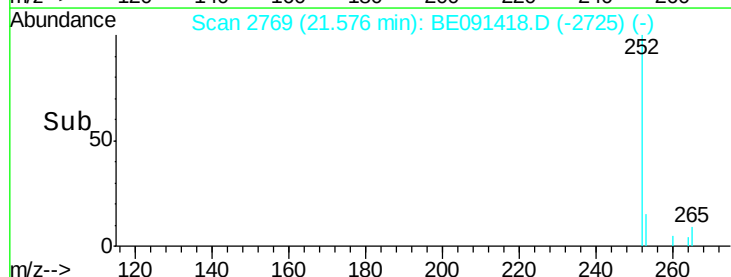
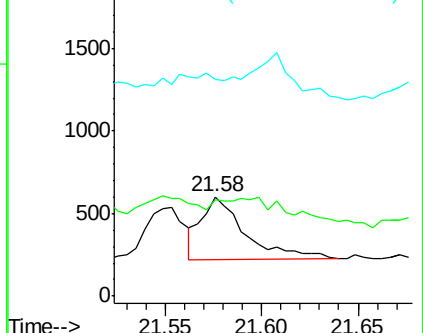
125 219.0 8.2 12.4#

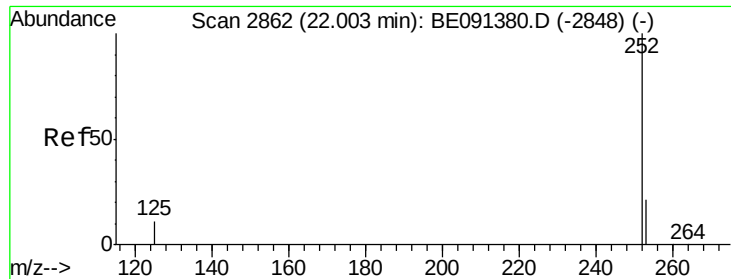


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 0.18 ng

RT: 22.00 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160217

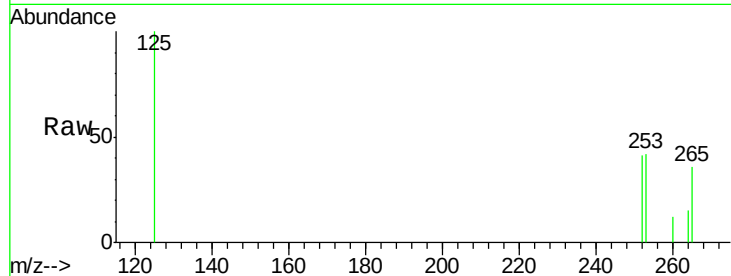
Tgt Ion: 252 Resp: 473

Ion Ratio Lower Upper

252 100

253 102.0 17.5 26.3#

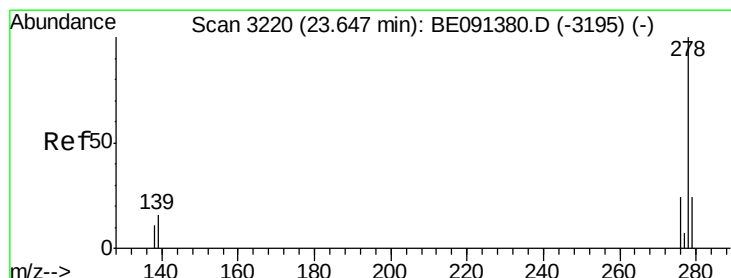
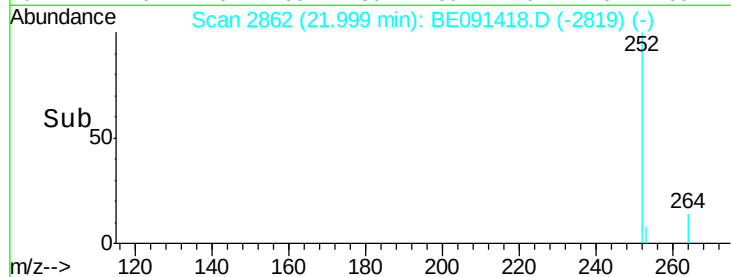
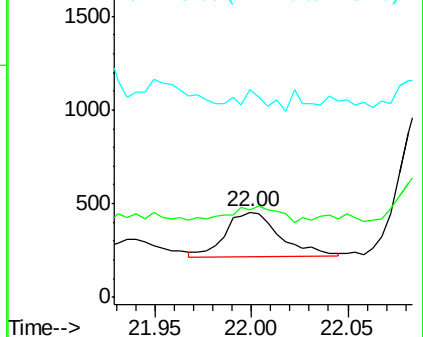
125 243.3 9.4 14.0#



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



#28

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 23.66 min Scan# 3223

Delta R.T. 0.01 min

Lab File: BE091418.D

Acq: 19 Feb 2016 17:38

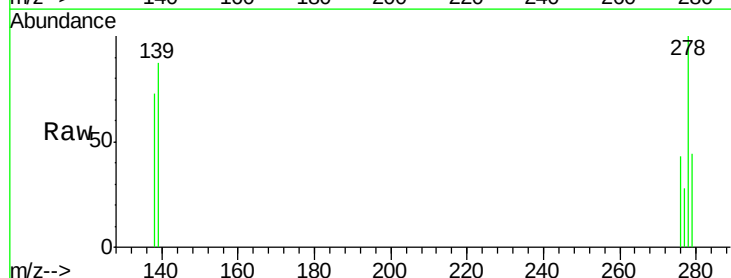
Tgt Ion: 278 Resp: 1091

Ion Ratio Lower Upper

278 100

139 87.1 13.0 19.4#

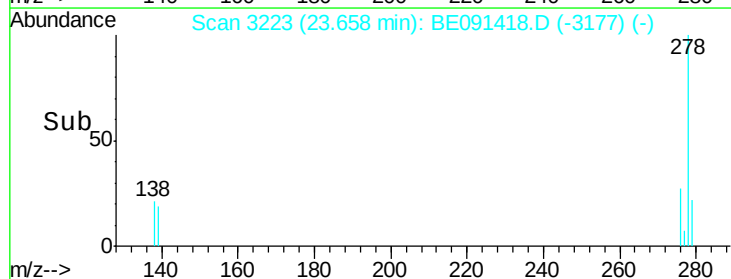
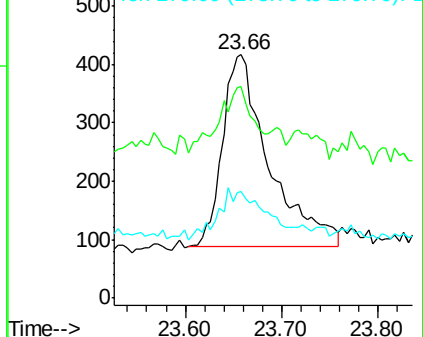
279 43.9 19.2 28.8#

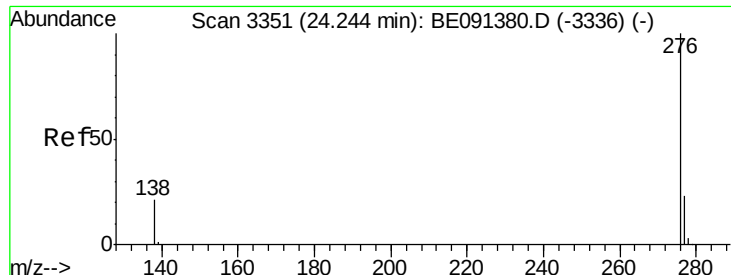


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(g,h,i)perylene

Concen: 0.15 ng

RT: 24.25 min Scan# 3353

Delta R.T. 0.01 min

Lab File: BE091418.D

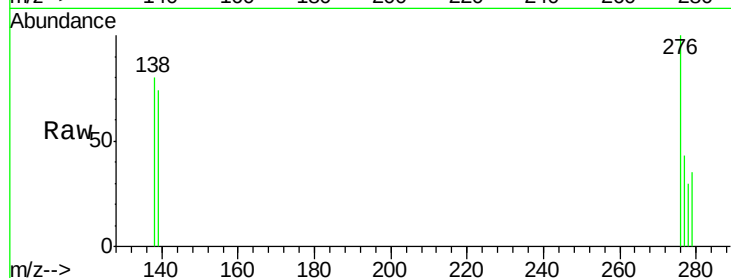
Acq: 19 Feb 2016 17:38

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160217



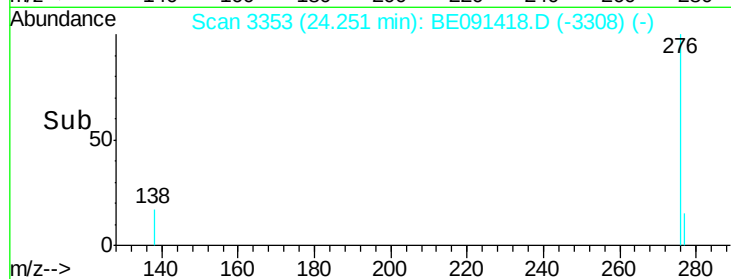
Tgt Ion: 276 Resp: 593

Ion Ratio Lower Upper

276 100

277 43.1 18.9 28.3#

138 79.8 17.0 25.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

