

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021916\
 Data File : BE091419.D
 Acq On : 19 Feb 2016 18:17
 Operator : UM/IZ
 Sample : H1519-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160217

Quant Time: Feb 19 22:39:17 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	36691	5.00	ng	0.00
4) Naphthalene-d8	9.54	136	178500	5.00	ng	0.00
8) Acenaphthene-d10	13.36	164	121482	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	301790	5.00	ng	-0.01
18) Chrysene-d12	20.22	240	336073	5.00	ng	0.00
24) Perylene-d12	22.09	264	344047	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.91	112	16409	2.05	ng	-0.03
3) Phenol-d6	6.57	99	12555	1.20	ng	0.00
5) Nitrobenzene-d5	8.16	82	40372	3.50	ng	0.00
9) 2,4,6-Tribromophenol	14.89	330	35167	6.00	ng	-0.01
10) 2-Fluorobiphenyl	12.00	172	123858	3.92	ng	-0.01
20) Terphenyl-d14	18.61	244	248104	4.99	ng	0.00

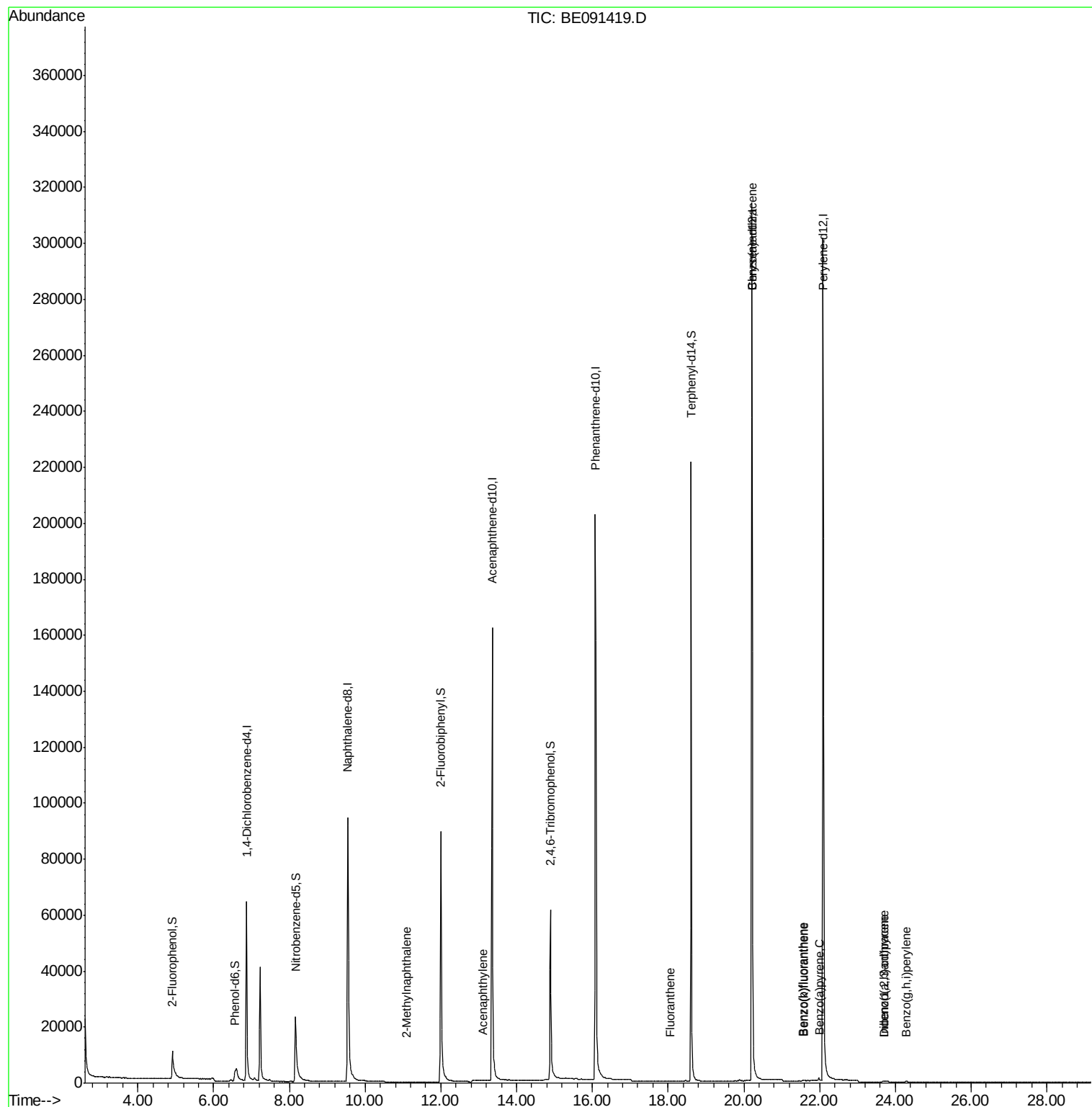
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) 2-Methylnaphthalene	11.08	142	5	0.13	ng	# 48
11) Acenaphthylene	13.11	152	162	0.18	ng	# 83
17) Fluoranthene	18.05	202	8	0.12	ng	# 1
21) Benzo(a)anthracene	20.22	228	1384	0.19	ng	# 72
22) Chrysene	20.22	228	1394	Below Cal		# 70
23) Indeno(1,2,3-cd)pyrene	23.68	276	53	0.16	ng	# 61
25) Benzo(b)fluoranthene	21.56	252	255	0.15	ng	# 1
26) Benzo(k)fluoranthene	21.58	252	313	0.02	ng	# 1
27) Benzo(a)pyrene	22.01	252	254	0.17	ng	# 1
28) Dibenzo(a,h)anthracene	23.69	278	438	0.26	ng	# 18
29) Benzo(g,h,i)perylene	24.28	276	288	0.15	ng	# 1

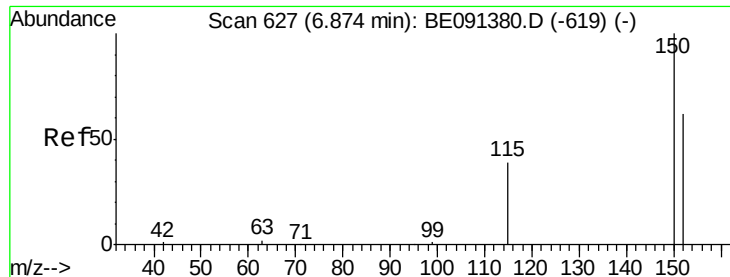
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091419.D

Acq: 19 Feb 2016 18:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160217

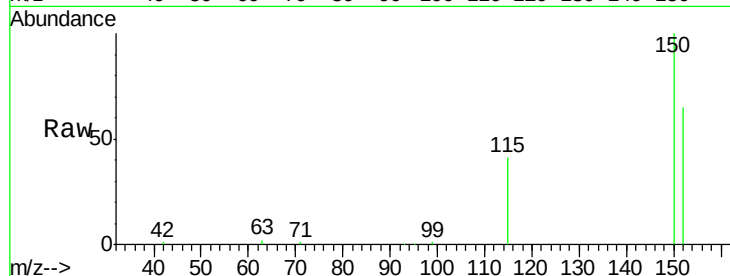
Tgt Ion:152 Resp: 36691

Ion Ratio Lower Upper

152 100

150 154.4 128.9 193.3

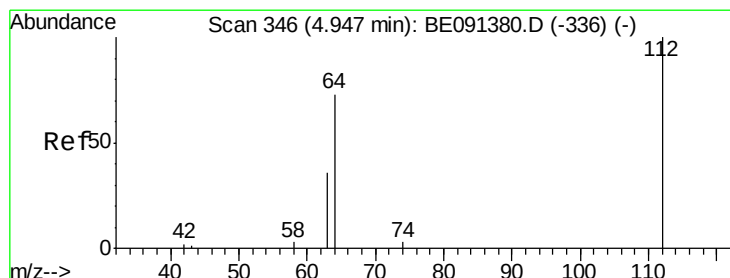
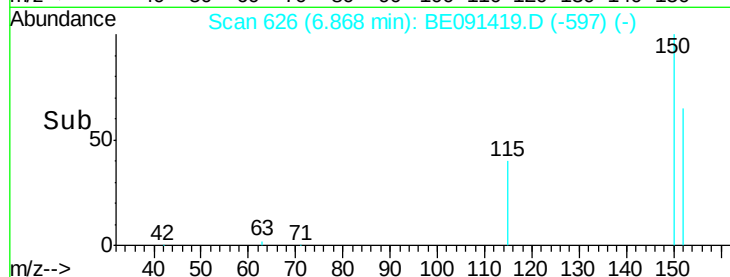
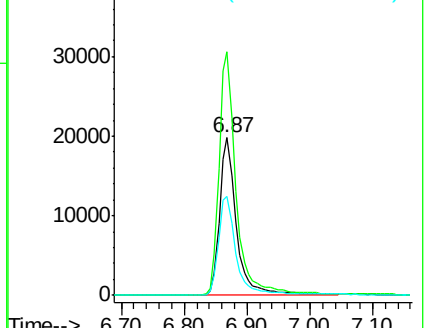
115 62.7 50.9 76.3



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: 2.05 ng

RT: 4.91 min Scan# 341

Delta R.T. -0.03 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

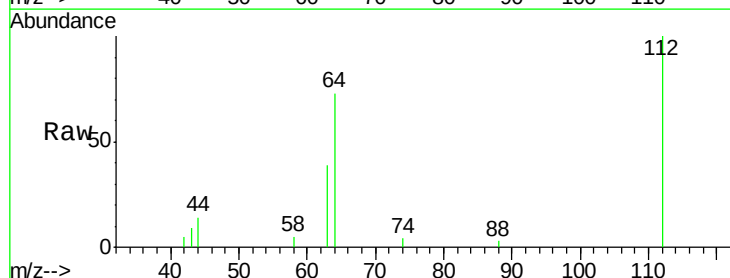
Tgt Ion:112 Resp: 16409

Ion Ratio Lower Upper

112 100

64 73.6 60.5 90.7

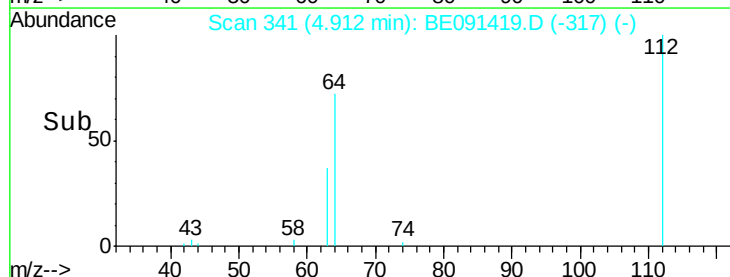
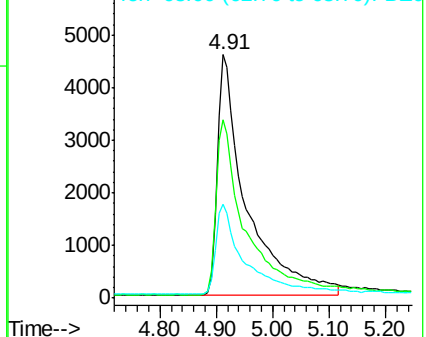
63 37.6 29.8 44.8

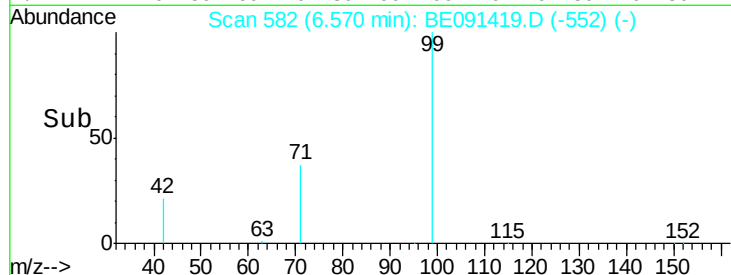
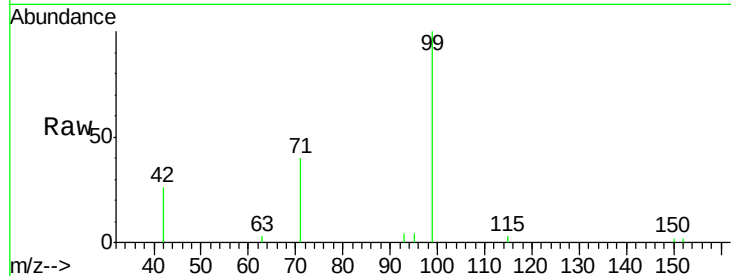
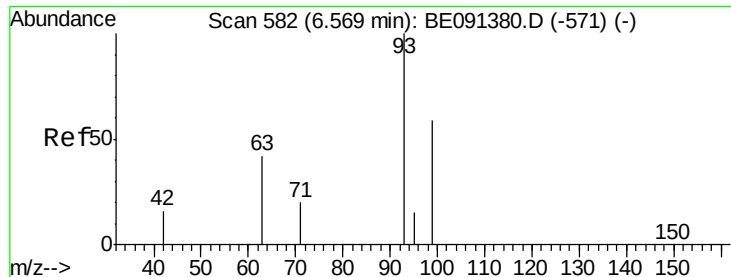


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 1.20 ng

RT: 6.57 min Scan# 582

Delta R.T. 0.00 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160217

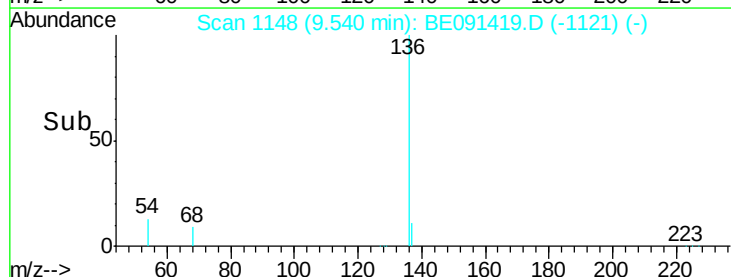
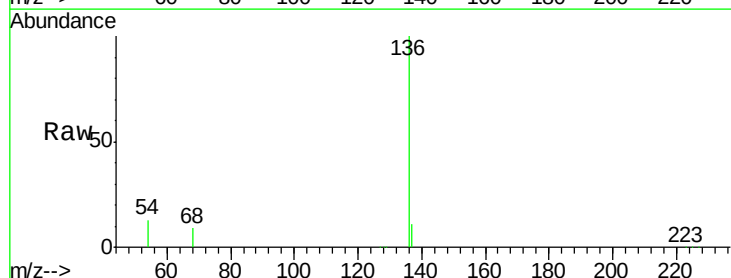
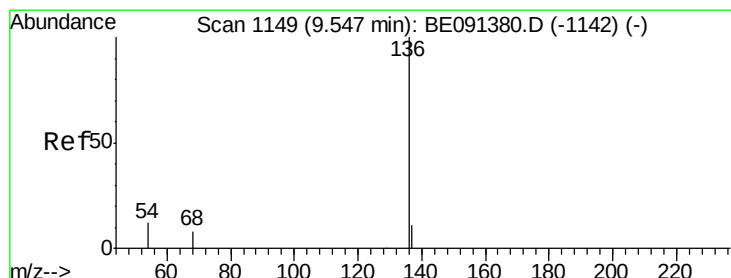
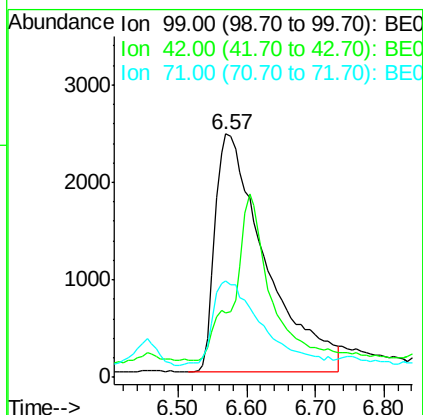
Tgt Ion: 99 Resp: 12555

Ion Ratio Lower Upper

99 100

42 0.0 13.3 19.9#

71 34.1 25.6 38.4



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.54 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Tgt Ion: 136 Resp: 178500

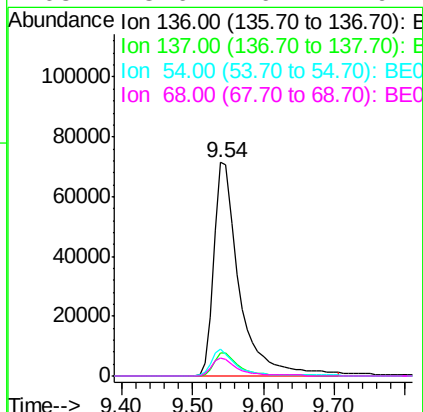
Ion Ratio Lower Upper

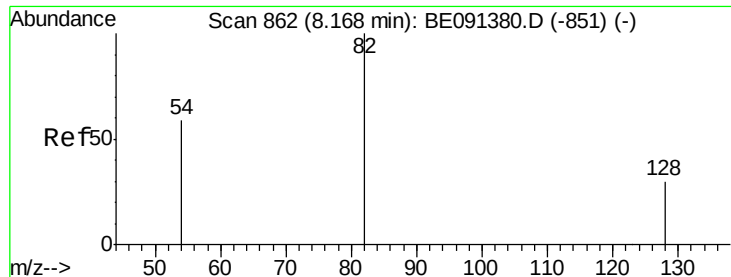
136 100

137 11.0 8.7 13.1

54 12.8 9.3 13.9

68 8.6 6.7 10.1





#5

Nitrobenzene-d5

Concen: 3.50 ng

RT: 8.16 min Scan# 860

Delta R.T. -0.01 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160217

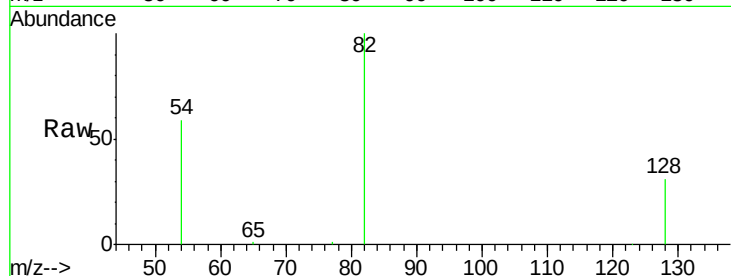
Tgt Ion: 82 Resp: 40372

Ion Ratio Lower Upper

82 100

128 31.4 25.0 37.4

54 59.2 48.1 72.1

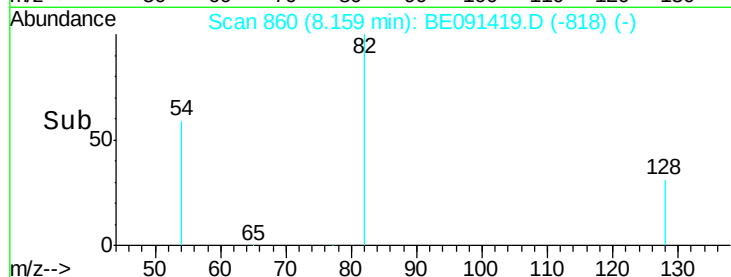


Abundance Ion 82.00 (81.70 to 82.70): BE091380.D (-851) (-)

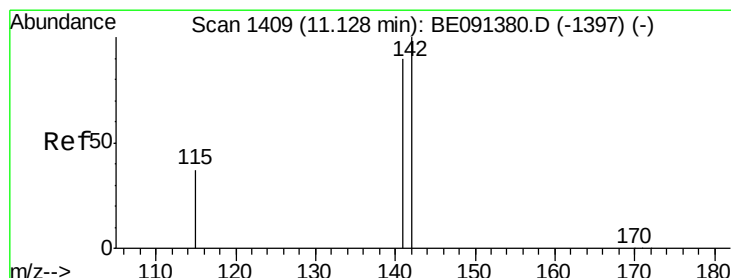
Ion 128.00 (127.70 to 128.70): BE091380.D (-851) (-)

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

Time-->



Time-->



#7

2-Methylnaphthalene

Concen: 0.13 ng

RT: 11.08 min Scan# 1399

Delta R.T. -0.05 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

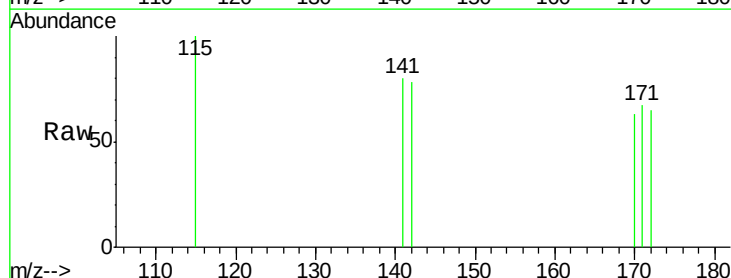
Tgt Ion: 142 Resp: 5

Ion Ratio Lower Upper

142 100

141 101.6 72.3 108.5

115 127.4 30.5 45.7#

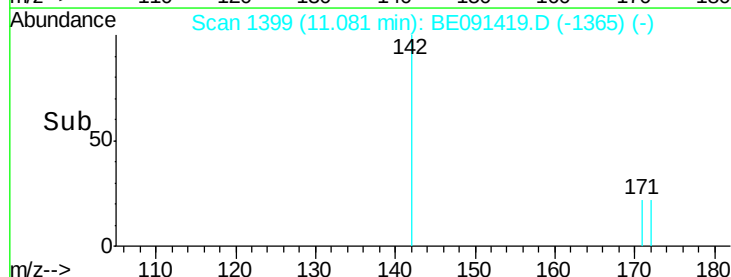


Abundance Ion 142.00 (141.70 to 142.70): BE091380.D (-1397) (-)

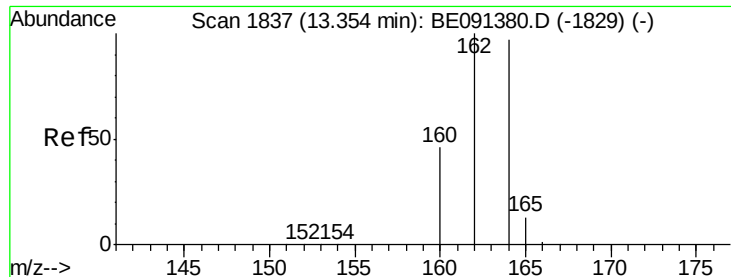
Ion 141.00 (140.70 to 141.70): BE091380.D (-1397) (-)

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

Time-->



Time-->



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.36 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160217

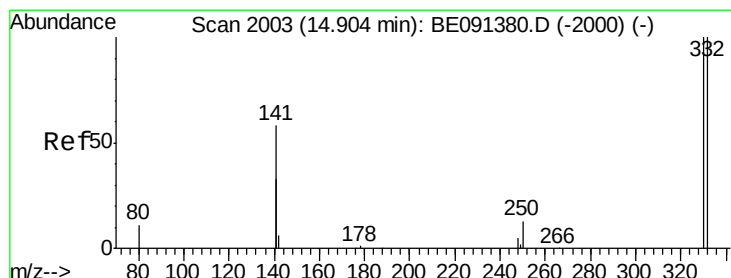
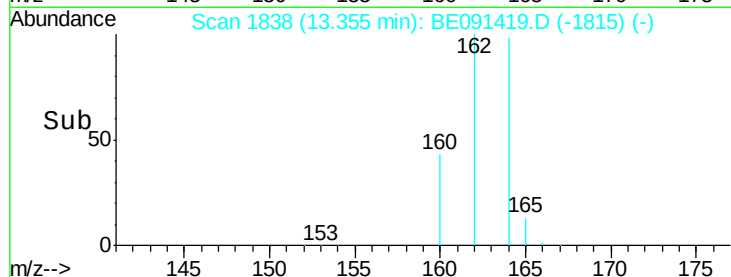
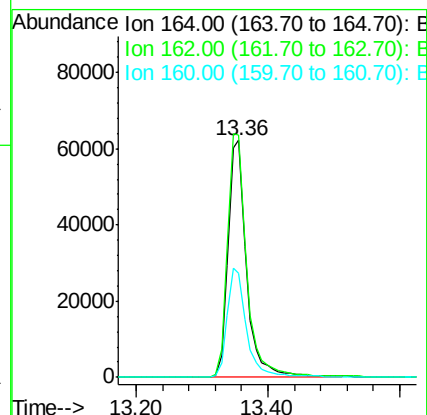
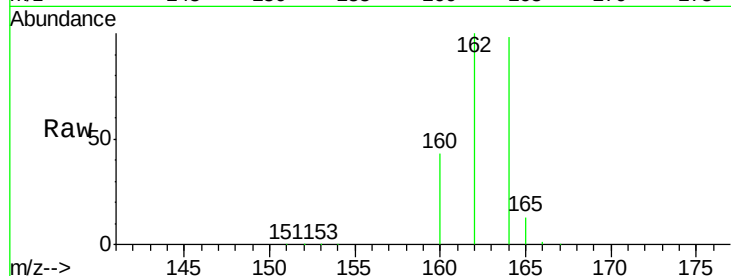
Tgt Ion:164 Resp: 121482

Ion Ratio Lower Upper

164 100

162 102.2 82.2 123.2

160 43.7 37.8 56.8



#9

2,4,6-Tribromophenol

Concen: 6.00 ng

RT: 14.89 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

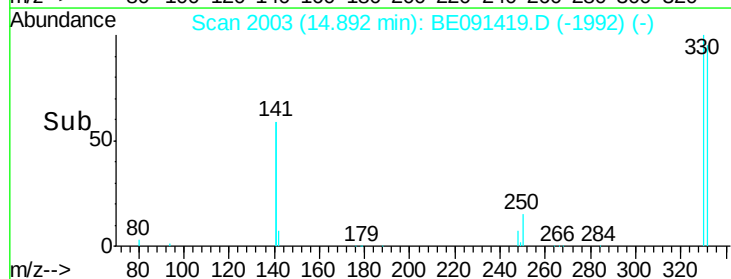
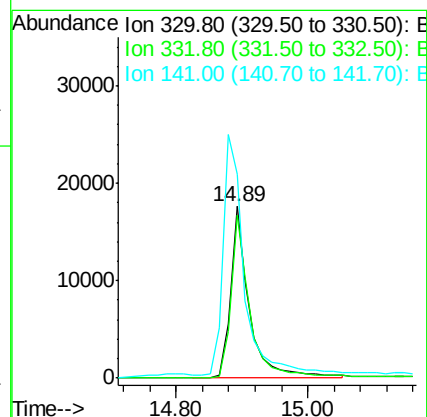
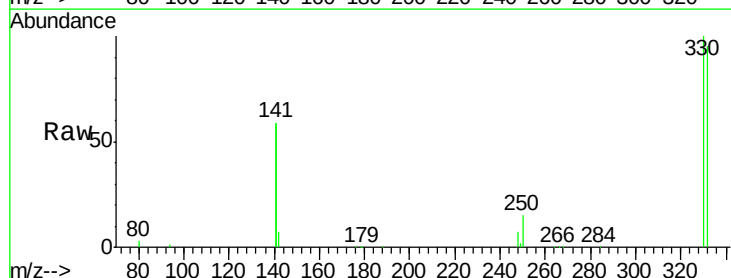
Tgt Ion:330 Resp: 35167

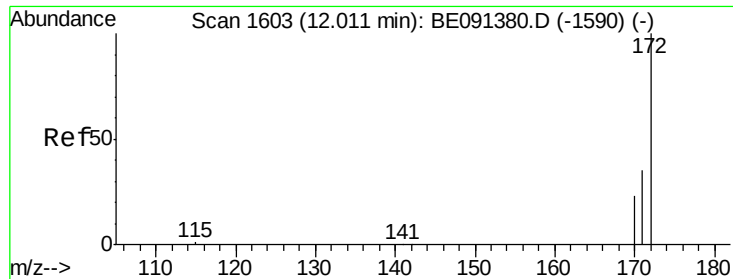
Ion Ratio Lower Upper

330 100

332 96.2 78.8 118.2

141 157.4 105.1 157.7

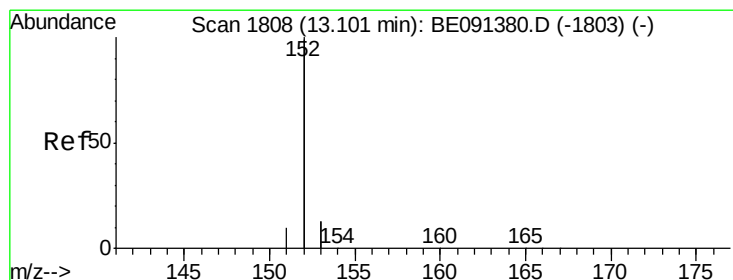
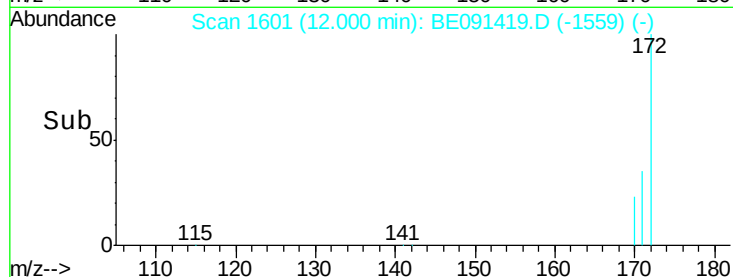
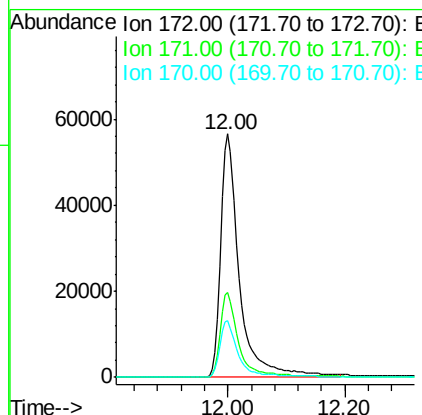
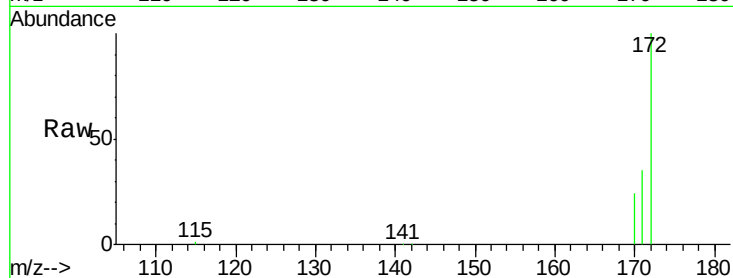




#10
2-Fluorobiphenyl
Concen: 3.92 ng
RT: 12.00 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BE091419.D
Acq: 19 Feb 2016 18:17

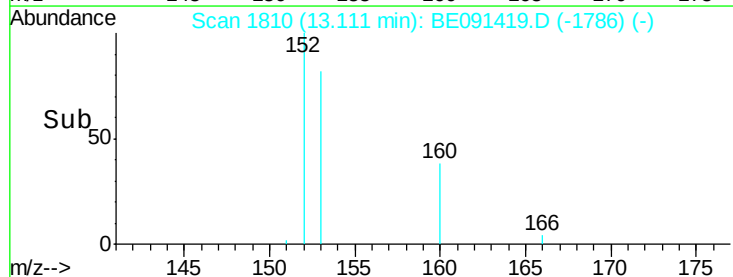
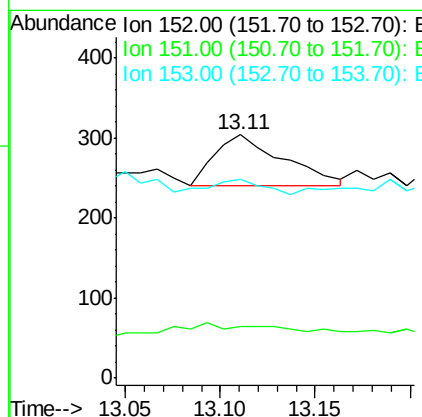
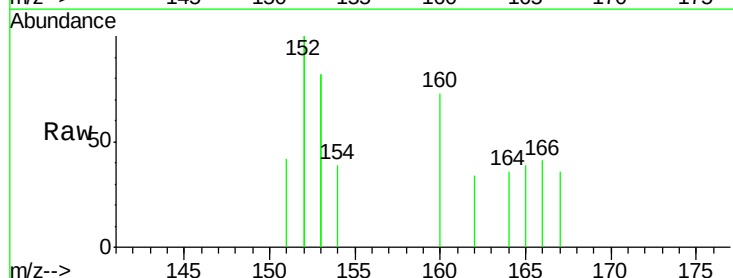
Instrument :
BNA_E
ClientSampleId :
KY038PS038-160217

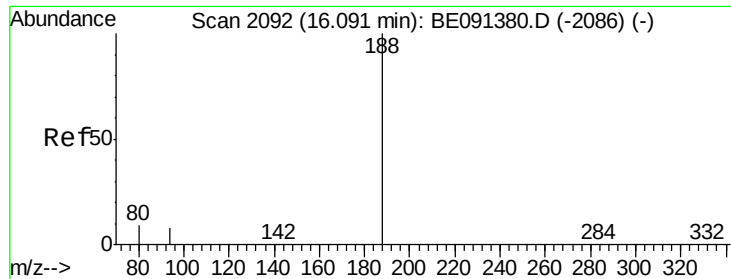
Tgt Ion:172 Resp: 123858
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.8
170 23.5 18.6 28.0



#11
Acenaphthylene
Concen: 0.18 ng
RT: 13.11 min Scan# 1810
Delta R.T. 0.01 min
Lab File: BE091419.D
Acq: 19 Feb 2016 18:17

Tgt Ion:152 Resp: 162
Ion Ratio Lower Upper
152 100
151 11.7 3.8 5.8#
153 19.1 10.2 15.4#





#14

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.08 min Scan# 2092

Delta R.T. -0.01 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160217

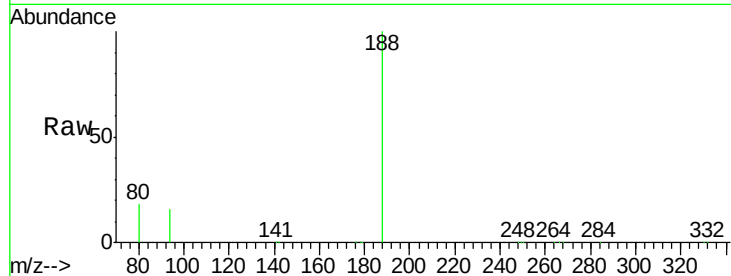
Tgt Ion:188 Resp: 301790

Ion Ratio Lower Upper

188 100

94 15.7 6.6 10.0#

80 17.5 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

16.08

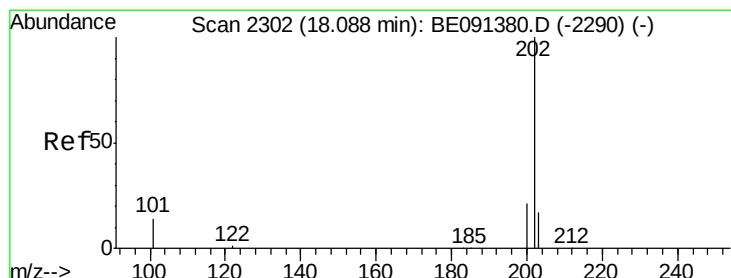
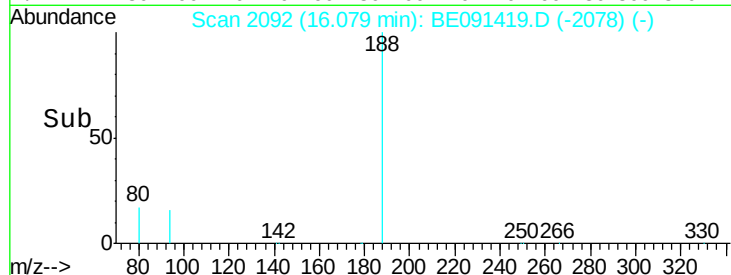
150000

100000

50000

0

Time-->



#17

Fluoranthene

Concen: 0.12 ng

RT: 18.05 min Scan# 2298

Delta R.T. -0.04 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

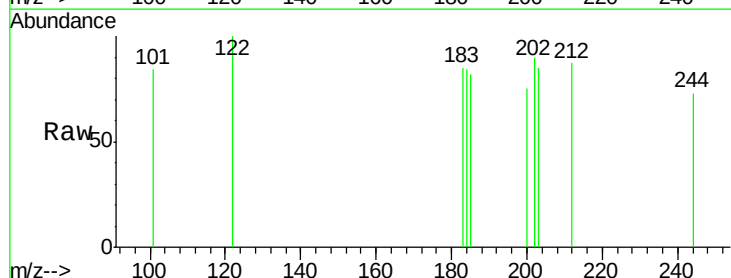
Tgt Ion:202 Resp: 8

Ion Ratio Lower Upper

202 100

101 0.0 10.5 15.7#

203 212.5 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

18.05

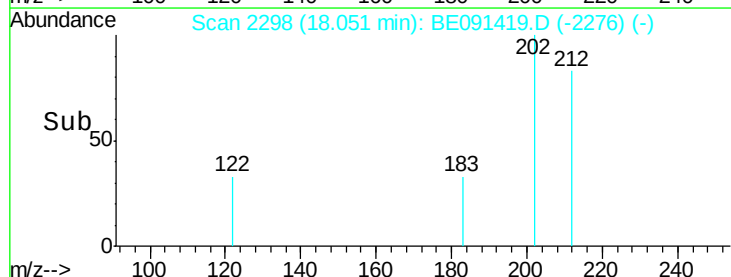
60

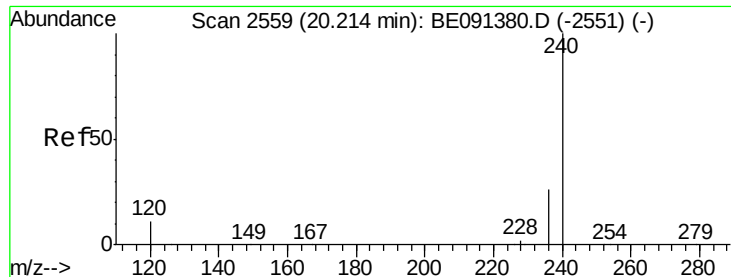
40

20

0

Time-->





#18

Chrysene-d12

Concen: 5.00 ng

RT: 20.22 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Instrument :

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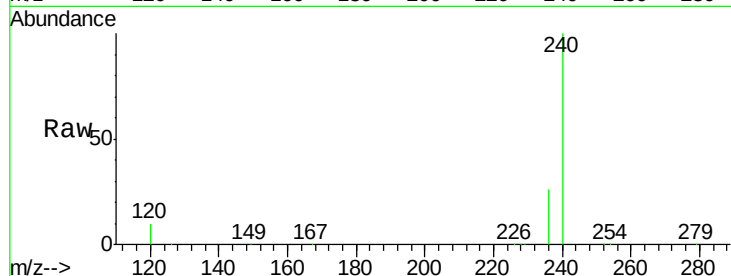
Tgt Ion:240 Resp: 336073

Ion Ratio Lower Upper

240 100

120 10.2 8.9 13.3

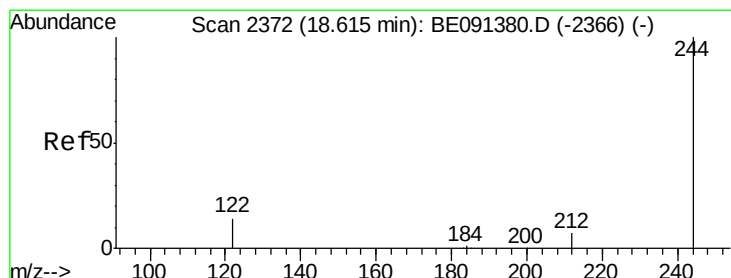
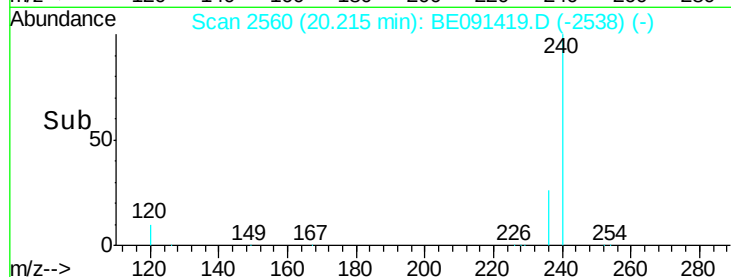
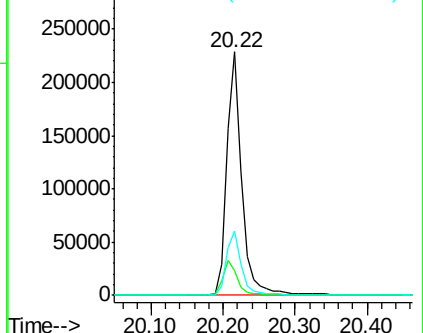
236 26.4 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Terphenyl-d14

Concen: 4.99 ng

RT: 18.61 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

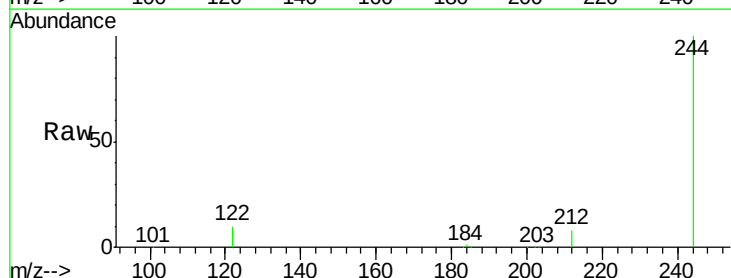
Tgt Ion:244 Resp: 248104

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

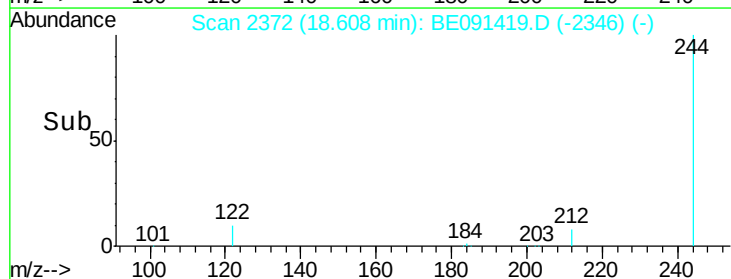
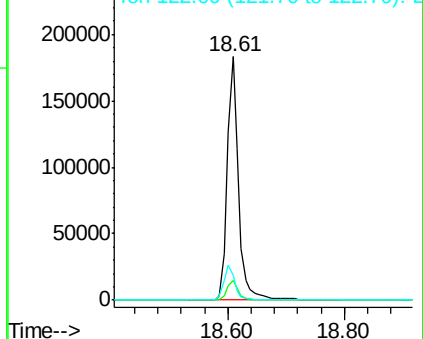
122 10.4 11.0 16.6#

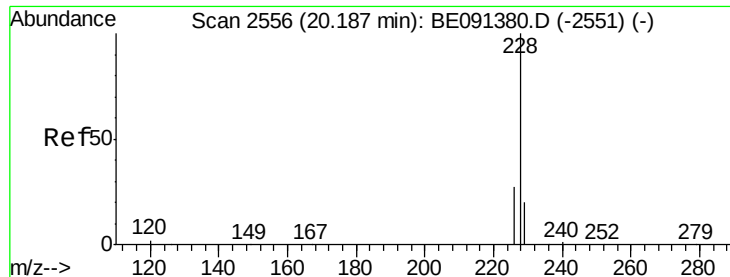


Abundance Ion 244.00 (243.70 to 244.70): E

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: 20.22 min Scan# 2560

Delta R.T. 0.03 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Instrument :

BNA_E

ClientSampleId :

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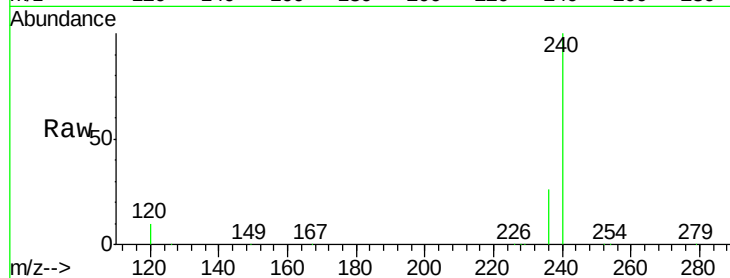
Tgt Ion:228 Resp: 1384

Ion Ratio Lower Upper

228 100

226 15.3 21.7 32.5#

229 36.1 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

20.22

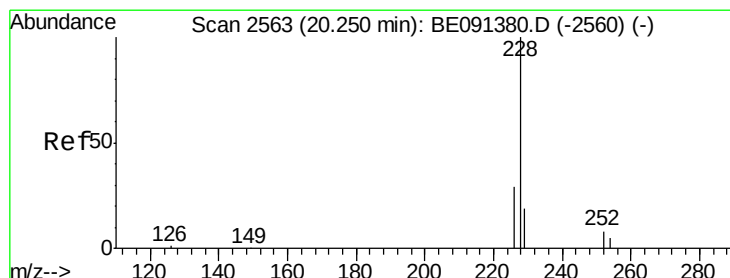
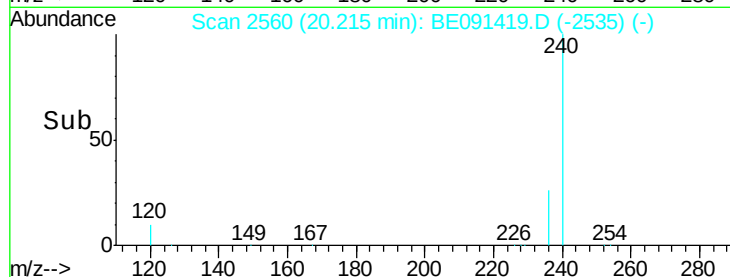
600

400

200

0

Time-->



#22

Chrysene

Concen: Below Cal

RT: 20.22 min Scan# 2560

Delta R.T. -0.03 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

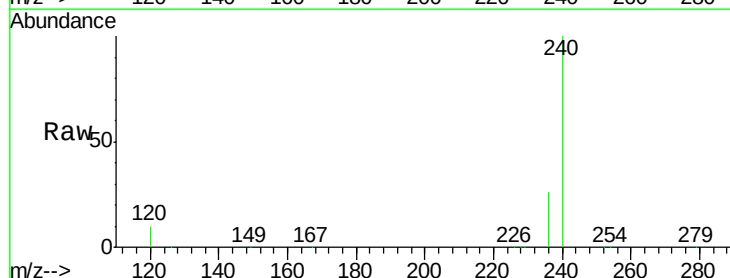
Tgt Ion:228 Resp: 1394

Ion Ratio Lower Upper

228 100

226 15.3 23.4 35.0#

229 36.1 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

20.22

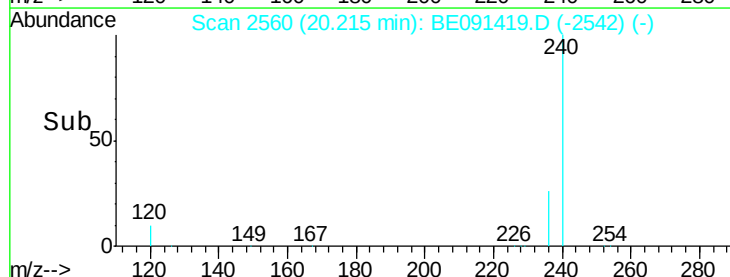
600

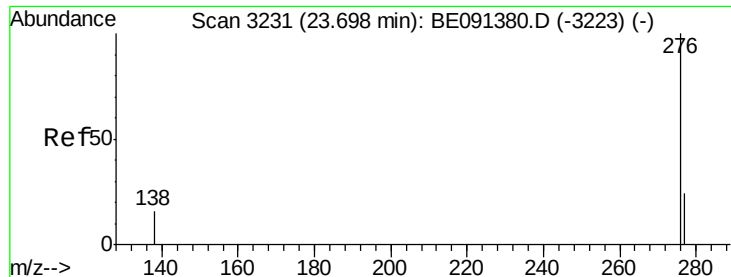
400

200

0

Time-->





#23

Indeno(1,2,3-cd)pyrene

Concen: 0.16 ng

RT: 23.68 min Scan# 3229

Delta R.T. -0.01 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160217

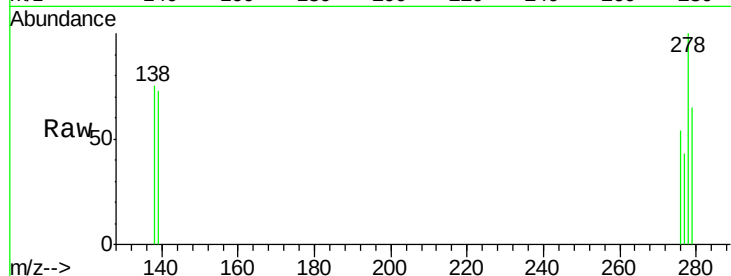
Tgt Ion:276 Resp: 53

Ion Ratio Lower Upper

276 100

138 7.5 16.6 25.0#

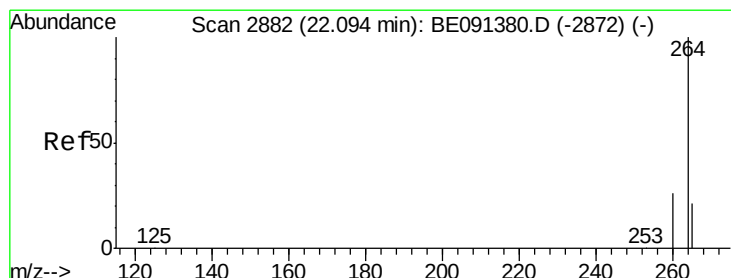
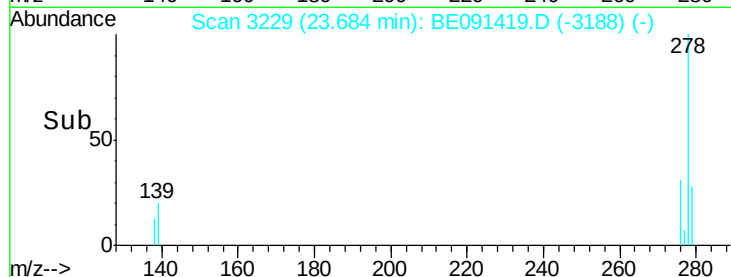
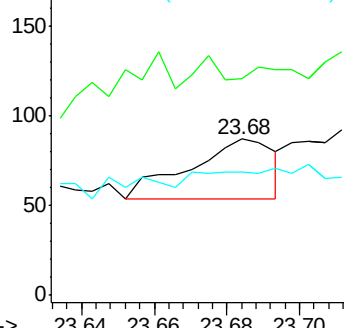
277 0.0 19.0 28.6#



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



#24

Perylene-d12

Concen: 5.00 ng

RT: 22.09 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

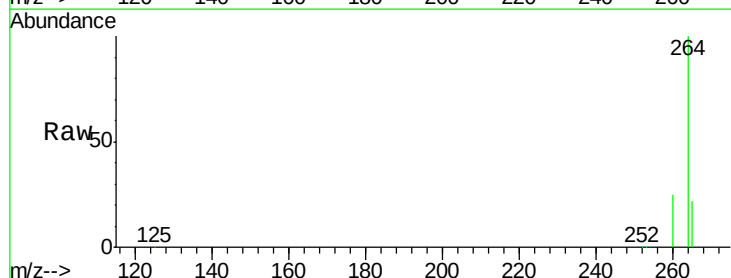
Tgt Ion:264 Resp: 344047

Ion Ratio Lower Upper

264 100

260 24.6 20.7 31.1

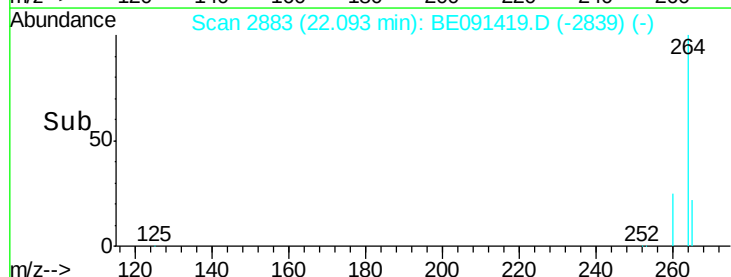
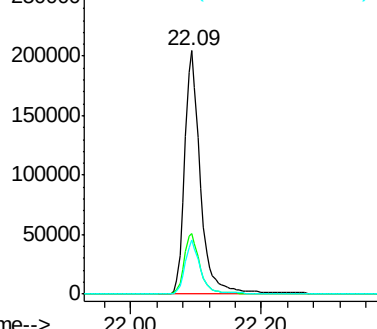
265 22.1 17.2 25.8

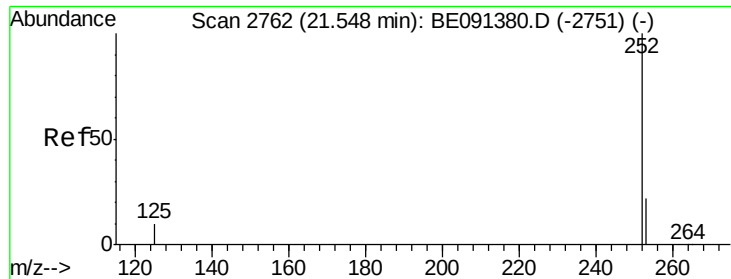


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#25

Benzo(b)fluoranthene

Concen: 0.15 ng

RT: 21.56 min Scan# 2765

Delta R.T. 0.01 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160217

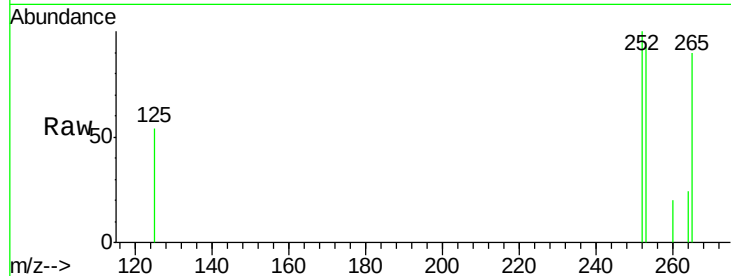
Tgt Ion:252 Resp: 255

Ion Ratio Lower Upper

252 100

253 93.4 18.2 27.2#

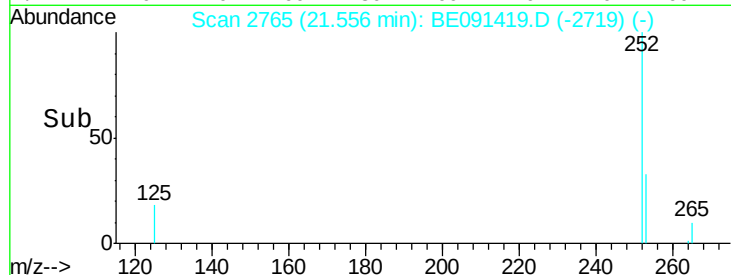
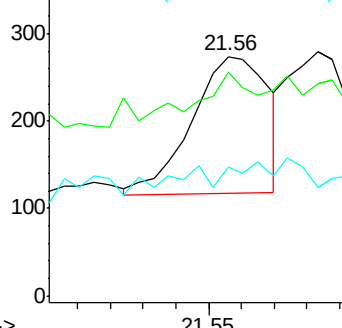
125 54.0 8.3 12.5#



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# 2771

Delta R.T. 0.01 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

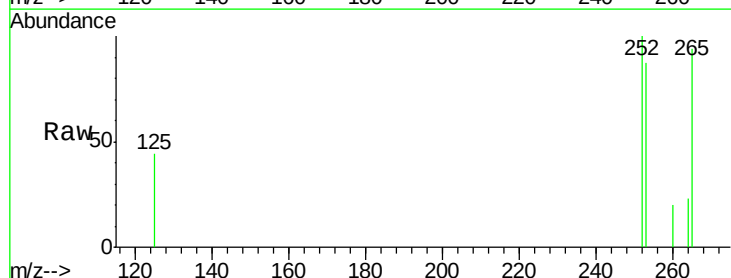
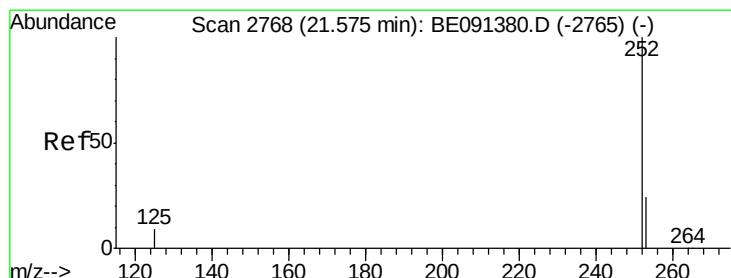
Tgt Ion:252 Resp: 313

Ion Ratio Lower Upper

252 100

253 87.1 18.1 27.1#

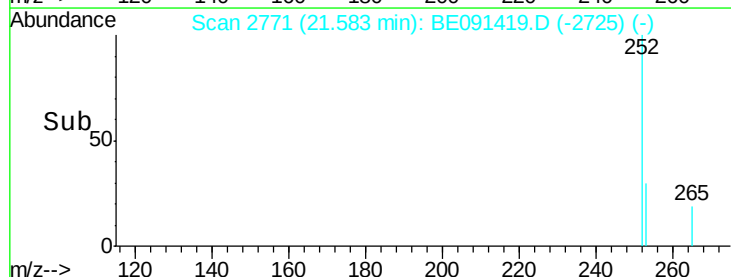
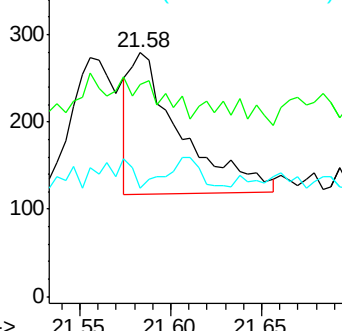
125 44.4 8.2 12.4#

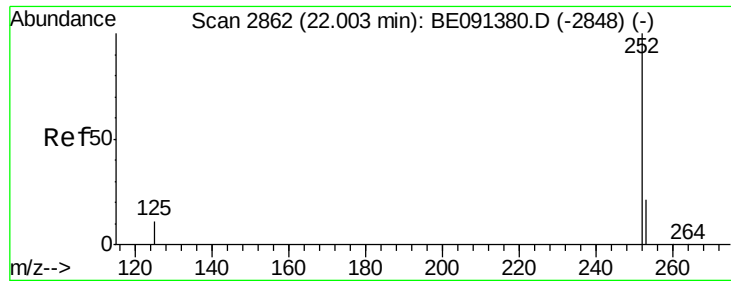


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 0.17 ng

RT: 22.01 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Instrument :

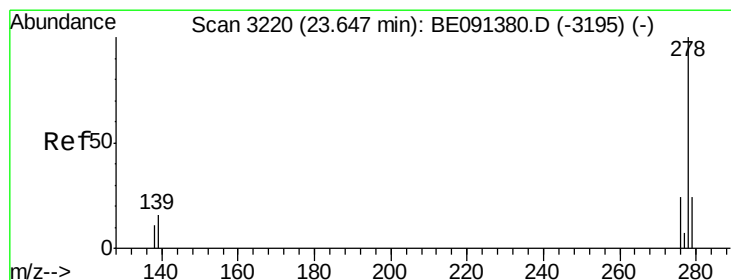
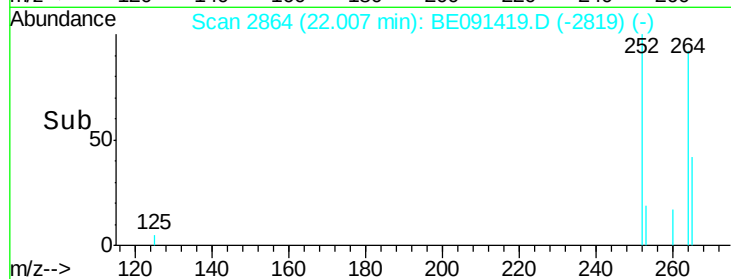
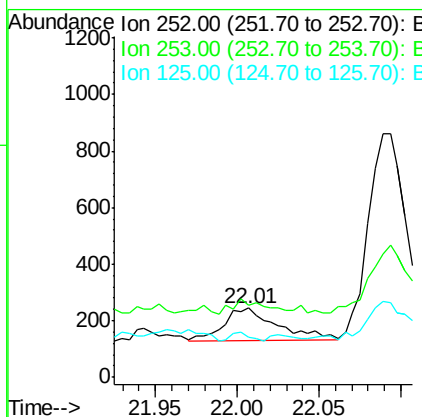
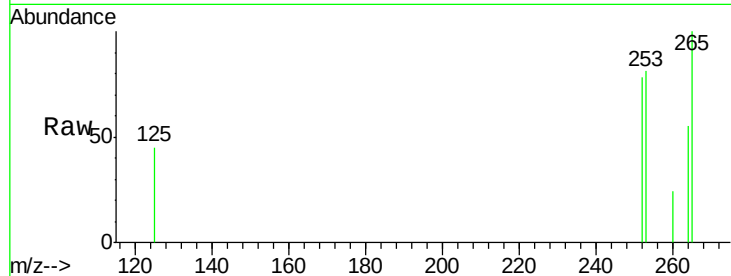
BNA_E

ClientSampleId :

KY038PS038-160217

Tgt Ion: 252 Resp: 254

Ion	Ratio	Lower	Upper
252	100		
253	103.7	17.5	26.3#
125	58.0	9.4	14.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 23.69 min Scan# 3231

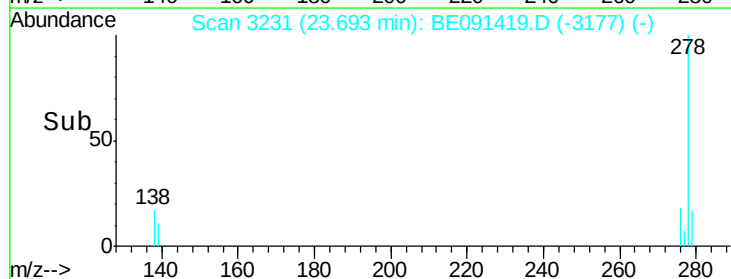
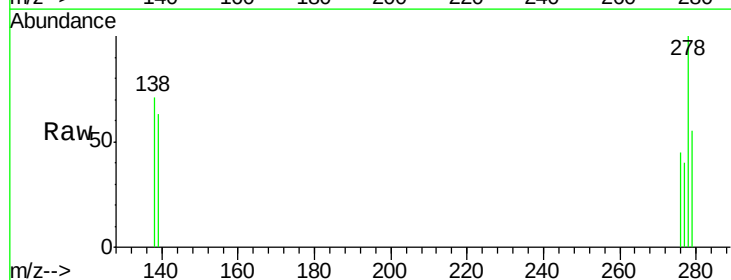
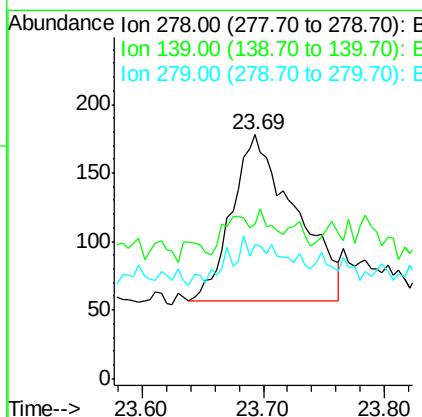
Delta R.T. 0.05 min

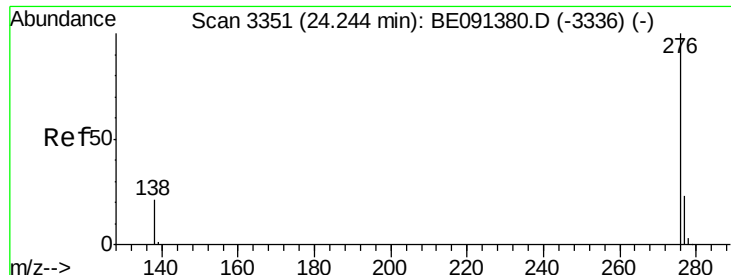
Lab File: BE091419.D

Acq: 19 Feb 2016 18:17

Tgt Ion: 278 Resp: 438

Ion	Ratio	Lower	Upper
278	100		
139	63.5	13.0	19.4#
279	55.1	19.2	28.8#





#29

Benzo(g,h,i)perylene

Concen: 0.15 ng

RT: 24.28 min Scan# 3360

Delta R.T. 0.04 min

Lab File: BE091419.D

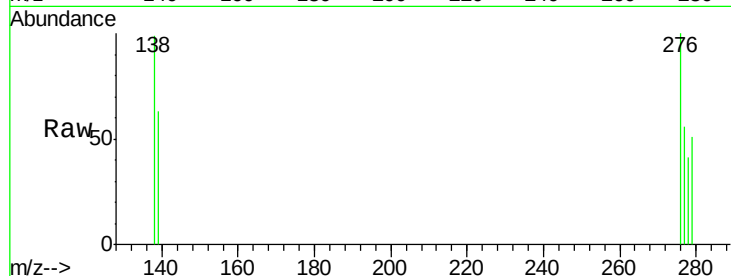
Acq: 19 Feb 2016 18:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160217



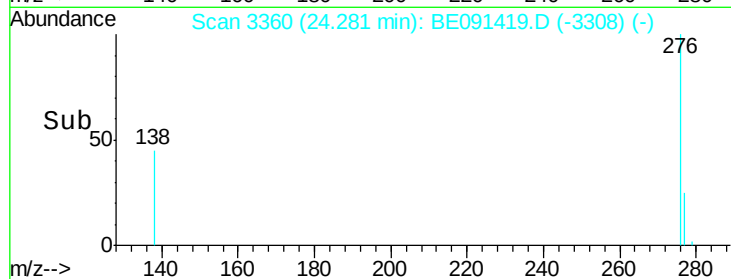
Tgt Ion: 276 Resp: 288

Ion Ratio Lower Upper

276 100

277 55.6 18.9 28.3#

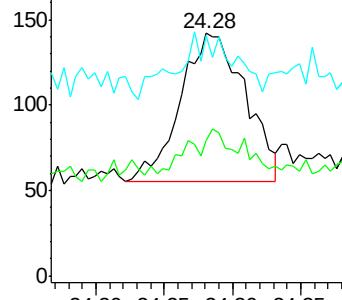
138 99.3 17.0 25.6#



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



Time-->