

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091279.D
 Acq On : 21 Nov 2015 16:06
 Operator : UM/NP
 Sample : G4346-08MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J72MSD

Quant Time: Nov 22 01:34:16 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 01:30:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	3188	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.56	136	14023	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	7823	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	18618	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	22367	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	19932	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.96	96	99	0.04	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.05	152	6776	0.35	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	18949	0.36	ng/ul	0.00

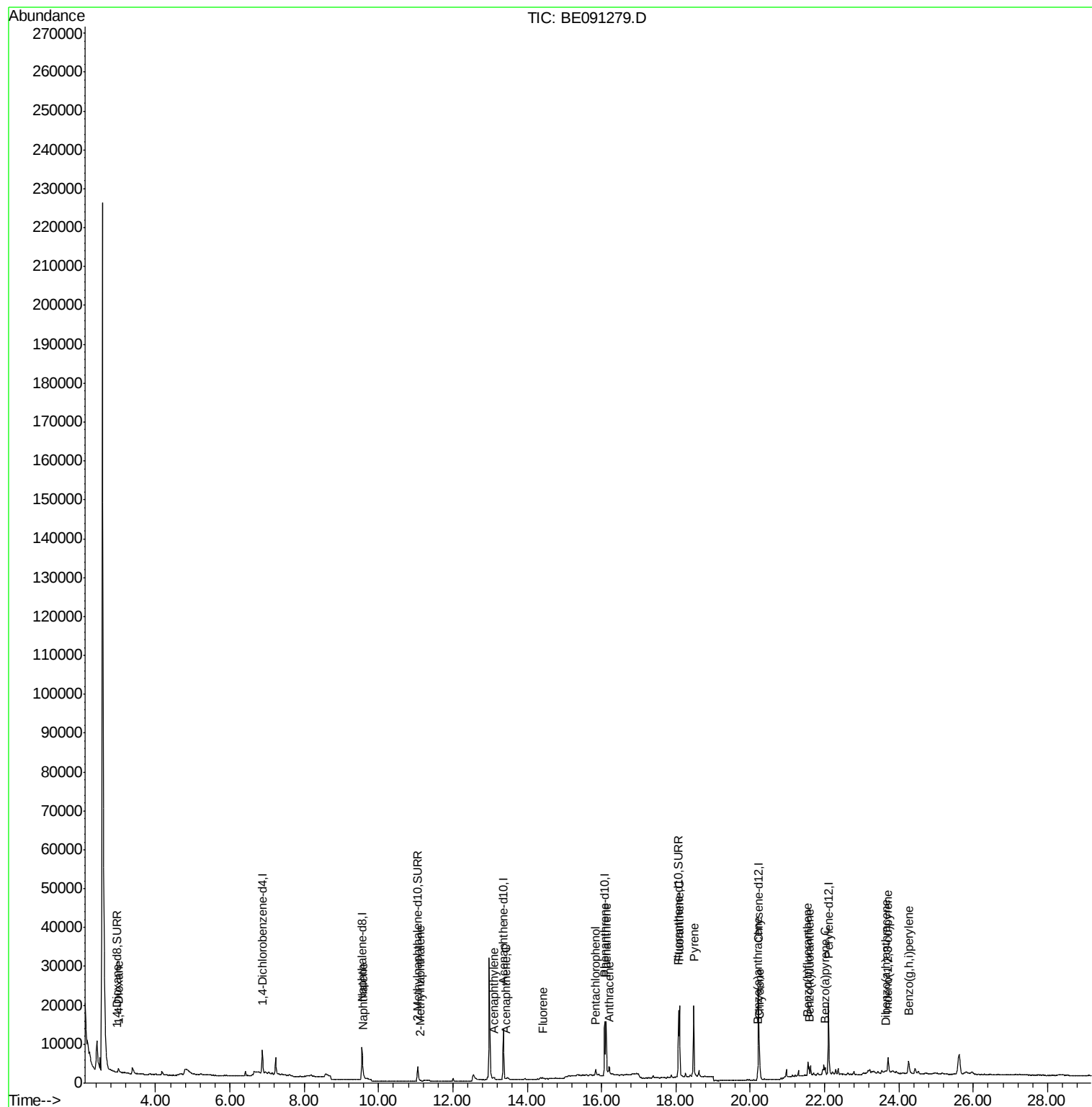
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.99	88	48	0.02	ng/ul#	24
5) Naphthalene	9.60	128	640	0.02	ng/ul#	54
7) 2-Methylnaphthalene	11.13	142	110	0.00	ng/ul#	67
9) Acenaphthylene	13.12	152	431	0.01	ng/ul#	47
10) Acenaphthene	13.42	153	155	0.01	ng/ul#	75
11) Fluorene	14.41	166	322	0.01	ng/ul#	86
13) Pentachlorophenol	15.85	266	1509	0.85	ng/ul	97
14) Phenanthrene	16.13	178	17716	0.08	ng/ul#	95
15) Anthracene	16.20	178	3223	0.02	ng/ul#	48
17) Fluoranthene	18.09	202	20303	0.08	ng/ul	87
19) Pyrene	18.48	202	19595	0.08	ng/ul#	78
20) Benzo(a)anthracene	20.20	228	2718	0.05	ng/ul#	93
21) Chrysene	20.26	228	3540	0.05	ng/ul#	91
23) Benzo(b)fluoranthene	21.56	252	2251	0.04	ng/ul#	1
24) Benzo(k)fluoranthene	21.58	252	1731	0.03	ng/ul#	50
25) Benzo(a)pyrene	22.01	252	2036	0.04	ng/ul#	46
26) Indeno(1,2,3-cd)pyrene	23.71	276	5082	0.02	ng/ul	95
27) Dibenzo(a,h)anthracene	23.66	278	524	0.01	ng/ul#	35
28) Benzo(g,h,i)perylene	24.26	276	5628	0.02	ng/ul#	42

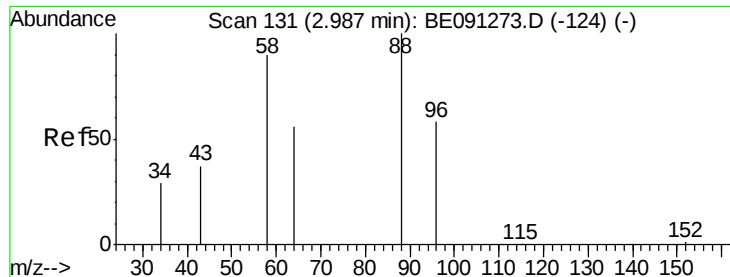
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.02 ng/ul

RT: 2.99 min Scan# 132

Delta R.T. 0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

A4J72MSD

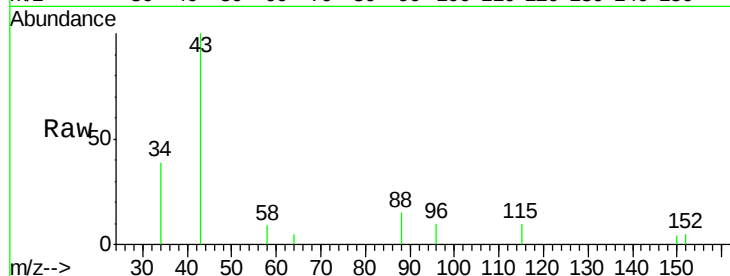
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

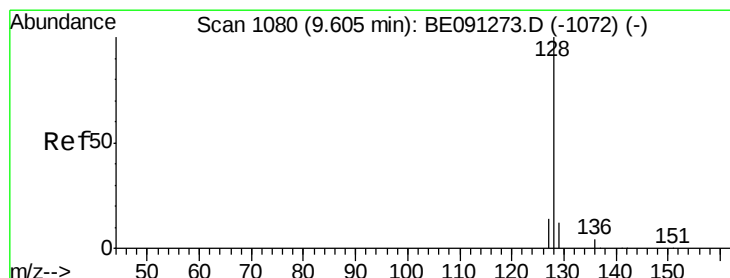
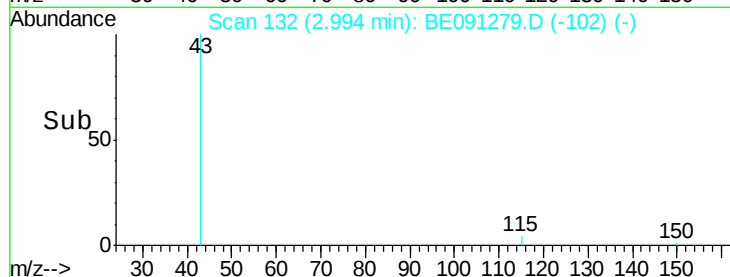
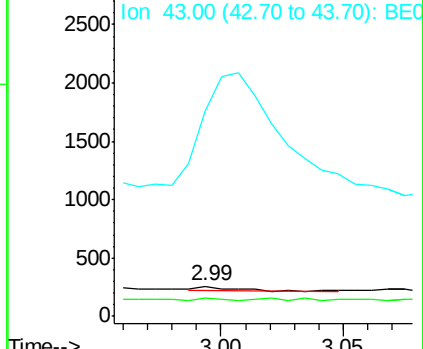
88 100

58 0.0 55.4 83.2#

43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.02 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

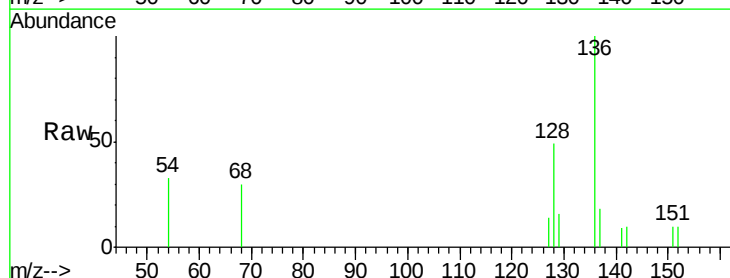
Tgt Ion: 128 Resp: 640

Ion Ratio Lower Upper

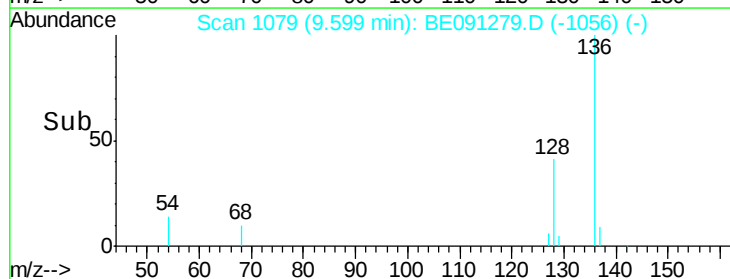
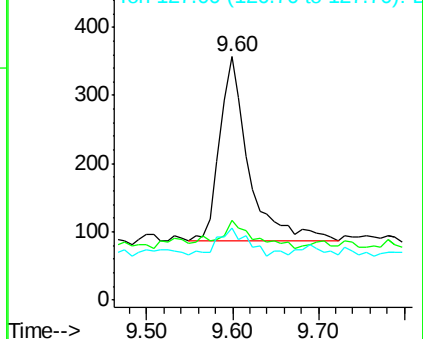
128 100

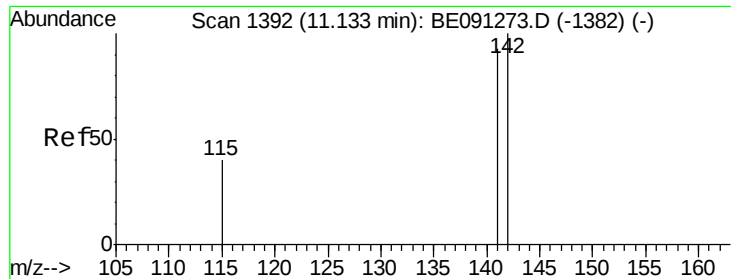
129 32.5 9.8 14.8#

127 29.4 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.13 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

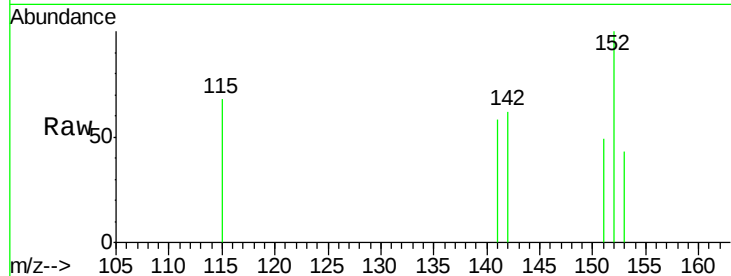
A4J72MSD

Tgt Ion:142 Resp: 110

Ion Ratio Lower Upper

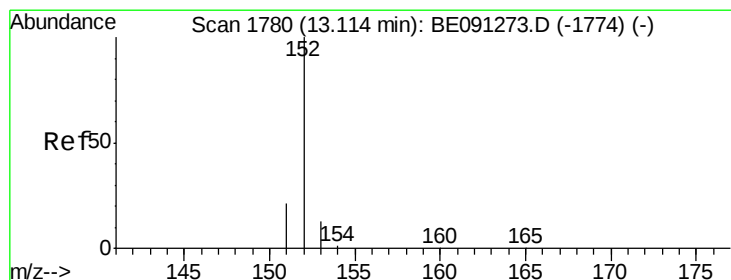
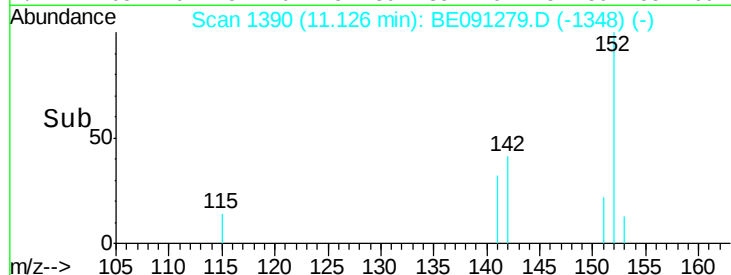
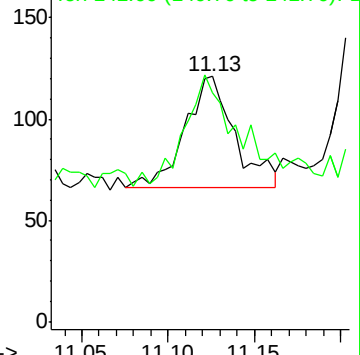
142 100

141 118.2 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.12 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

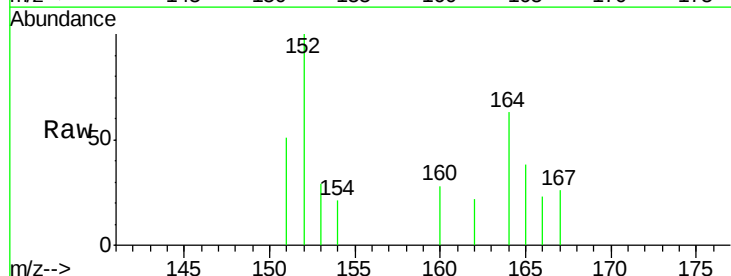
Tgt Ion:152 Resp: 431

Ion Ratio Lower Upper

152 100

151 51.2 16.8 25.2#

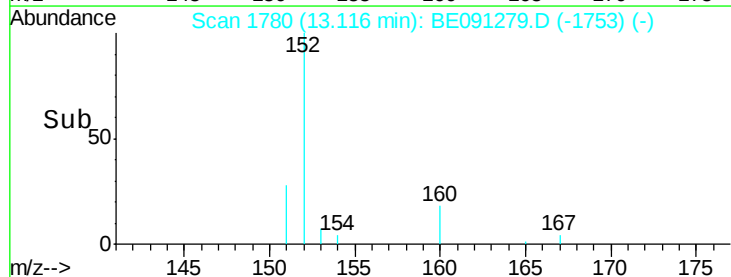
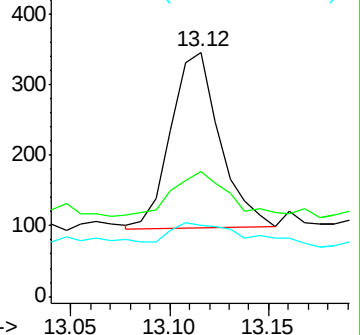
153 29.2 11.3 16.9#

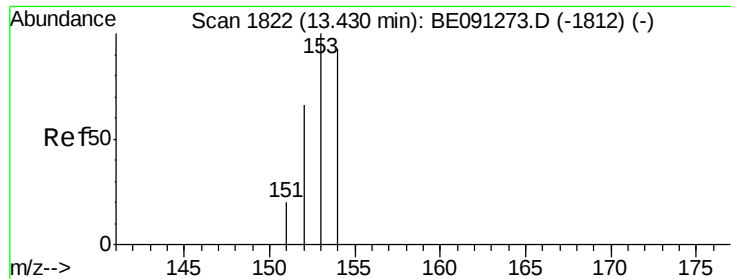


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

A4J72MSD

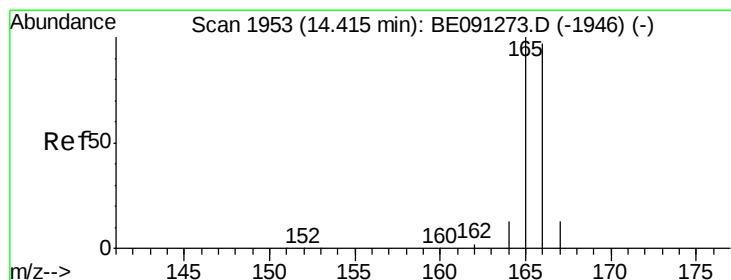
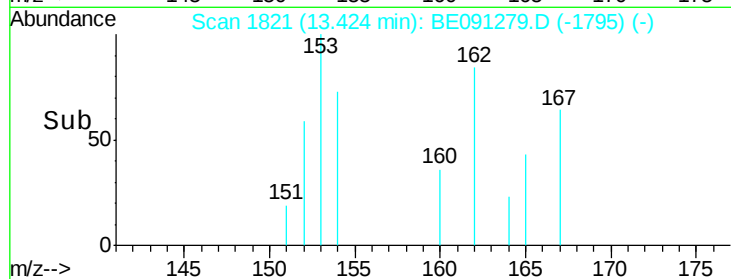
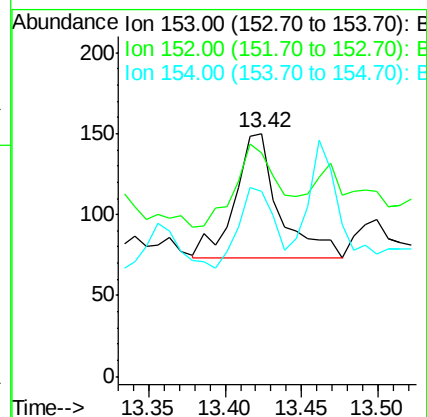
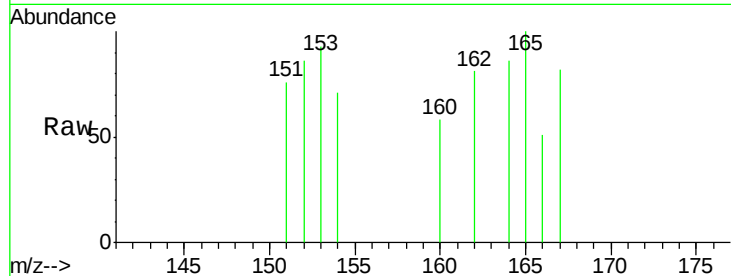
Tgt Ion:153 Resp: 155

Ion Ratio Lower Upper

153 100

152 92.0 42.3 63.5#

154 76.0 64.7 97.1



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

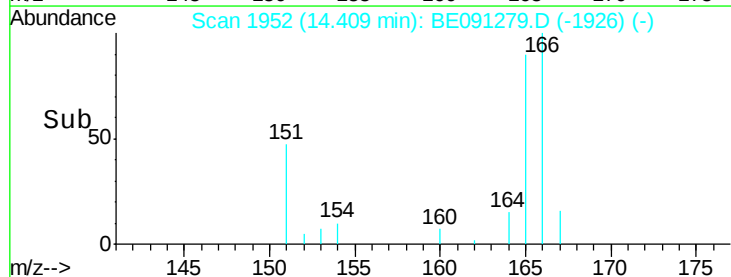
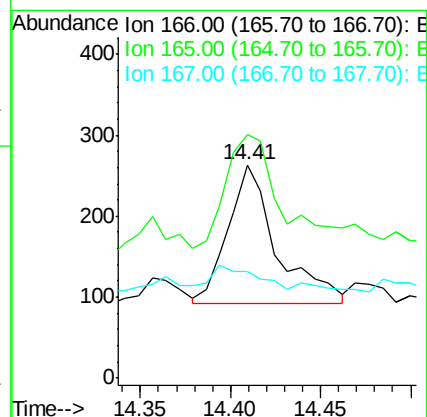
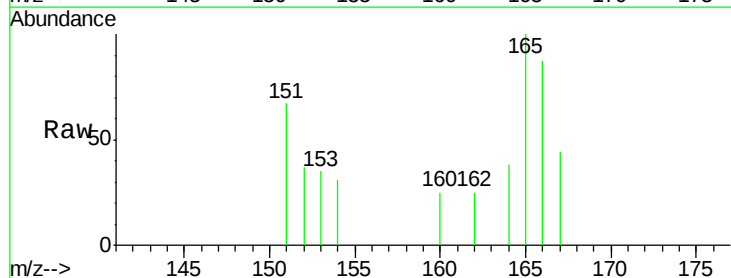
Tgt Ion:166 Resp: 322

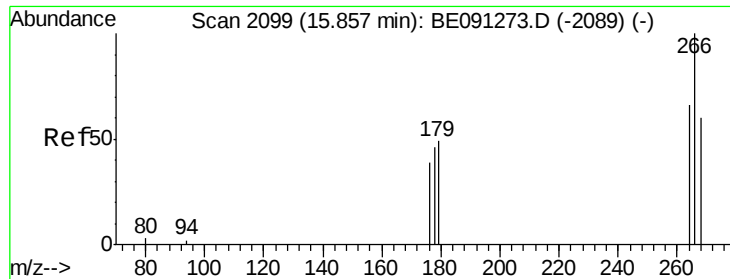
Ion Ratio Lower Upper

166 100

165 114.4 87.6 131.4

167 50.2 11.1 16.7#

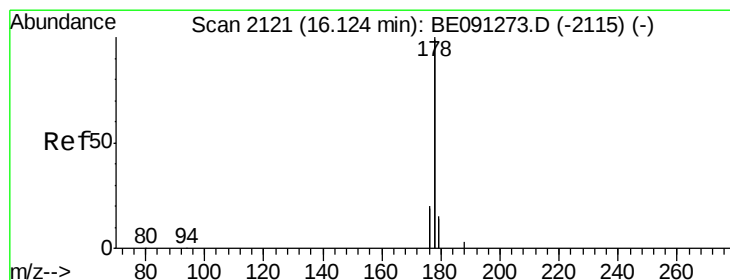
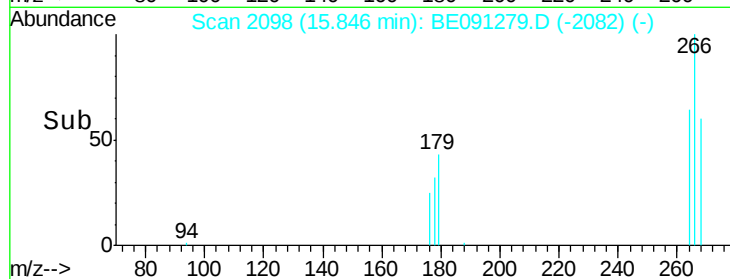
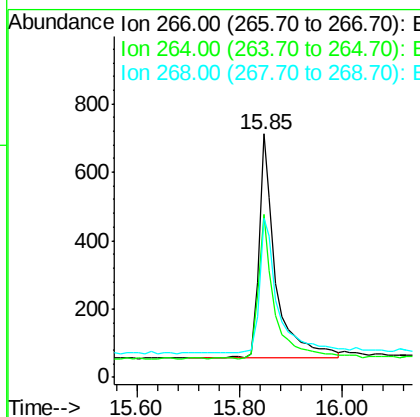
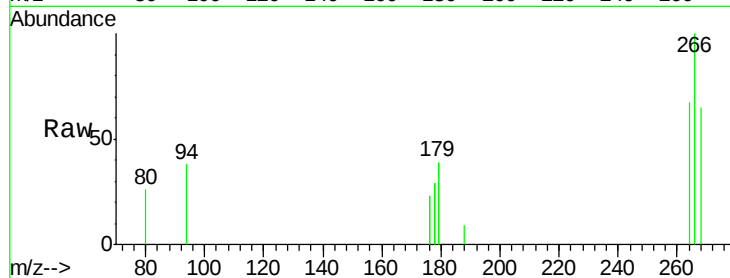




#13
 Pentachlorophenol
 Concen: 0.85 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091279.D
 Acq: 21 Nov 2015 16:06

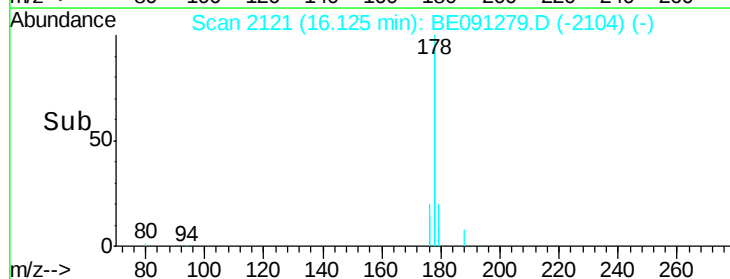
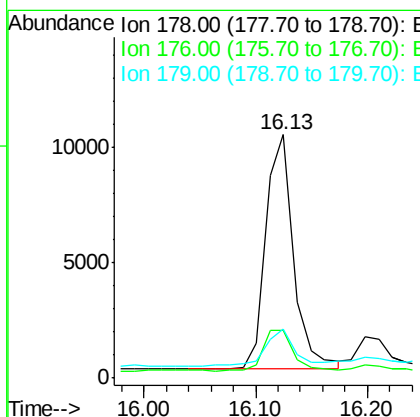
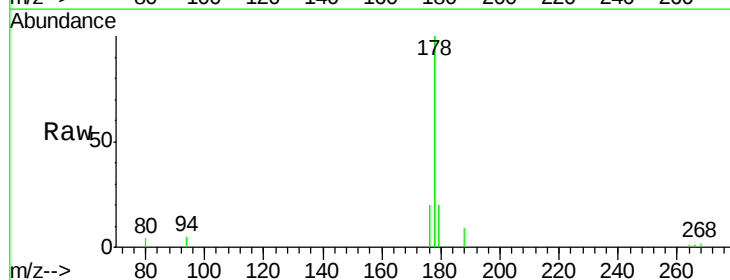
Instrument :
 BNA_E
 ClientSampleId :
 A4J72MSD

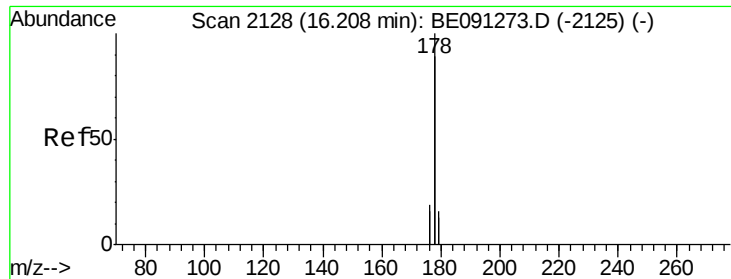
Tgt Ion: 266 Resp: 1509
 Ion Ratio Lower Upper
 266 100
 264 62.8 53.5 80.3
 268 67.2 54.2 81.2



#14
 Phenanthrene
 Concen: 0.08 ng/ul
 RT: 16.13 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091279.D
 Acq: 21 Nov 2015 16:06

Tgt Ion: 178 Resp: 17716
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 20.1 12.8 19.2#





#15

Anthracene

Concen: 0.02 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

A4J72MSD

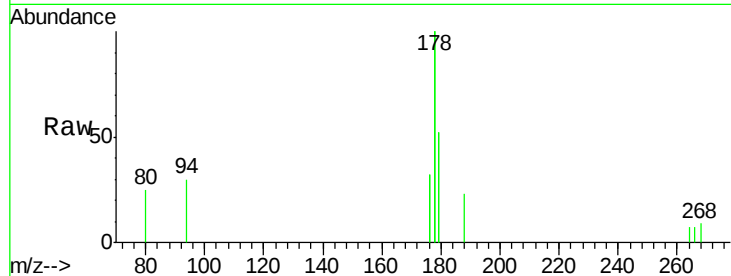
Tgt Ion:178 Resp: 3223

Ion Ratio Lower Upper

178 100

176 32.3 15.8 23.8#

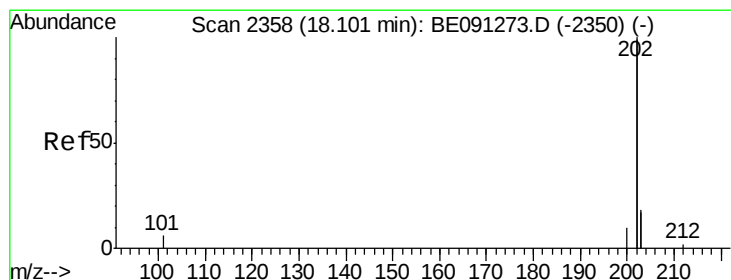
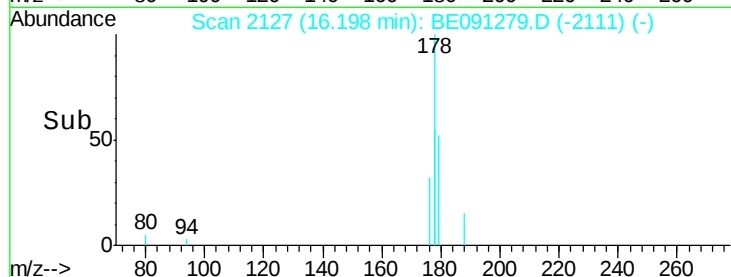
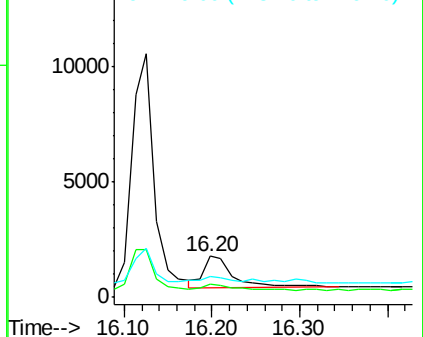
179 51.8 13.3 19.9#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Fluoranthene

Concen: 0.08 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

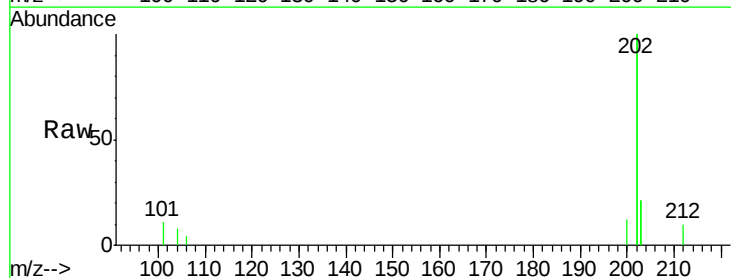
Tgt Ion:202 Resp: 20303

Ion Ratio Lower Upper

202 100

101 5.4 0.0 33.1

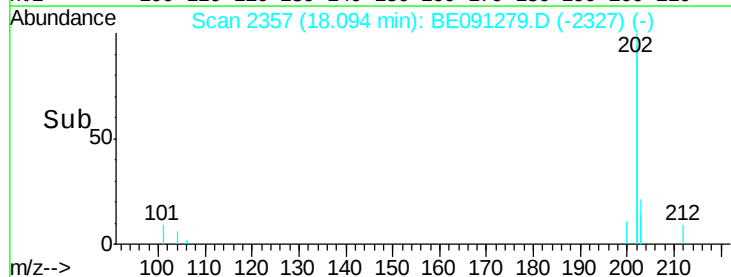
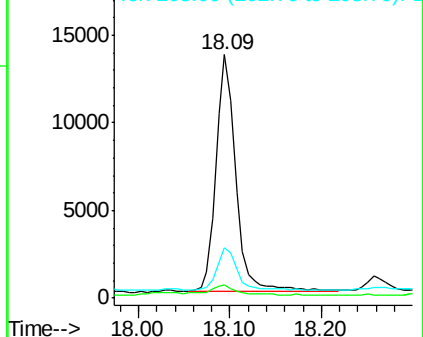
203 20.7 0.0 37.2

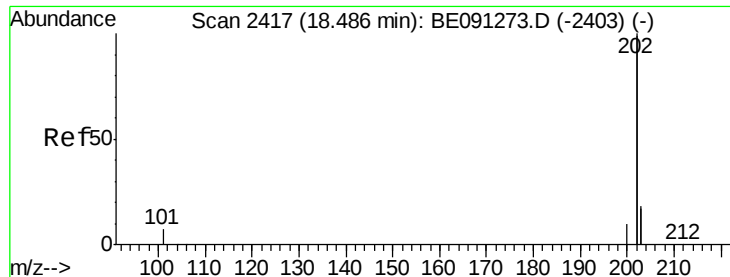


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.08 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

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ClientSampleId :

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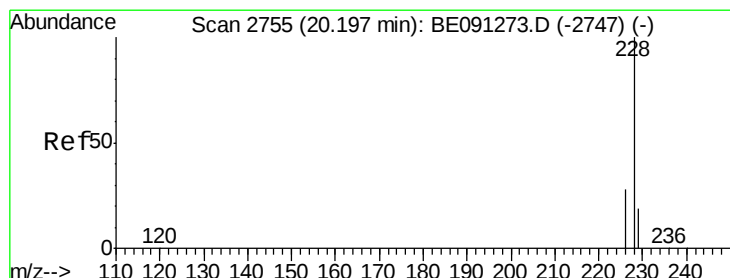
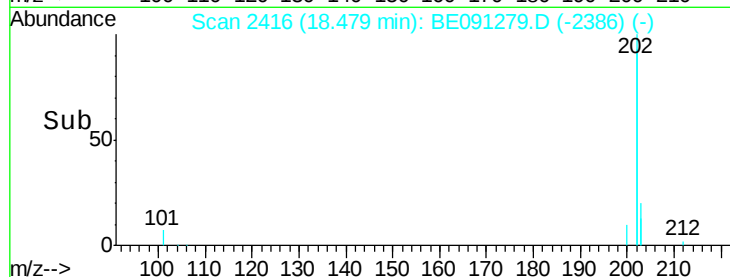
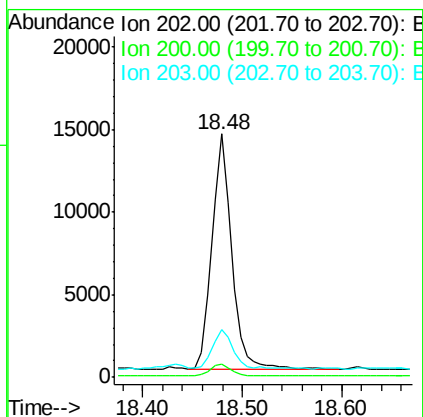
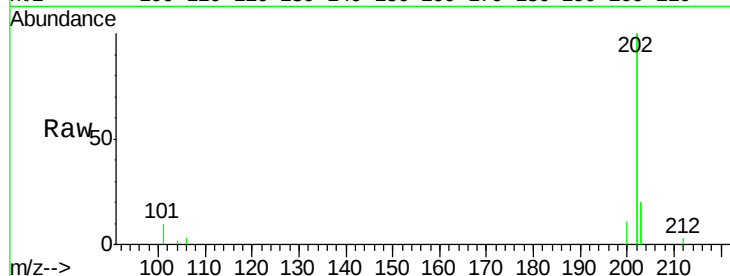
Tgt Ion:202 Resp: 19595

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

203 19.8 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

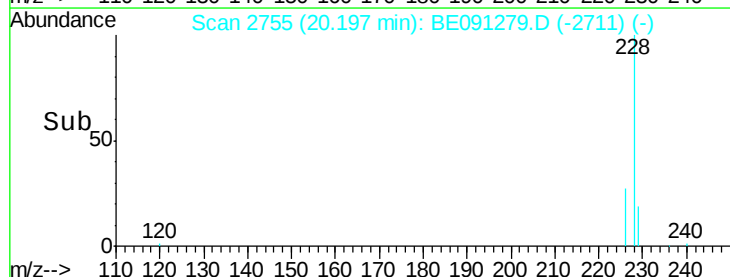
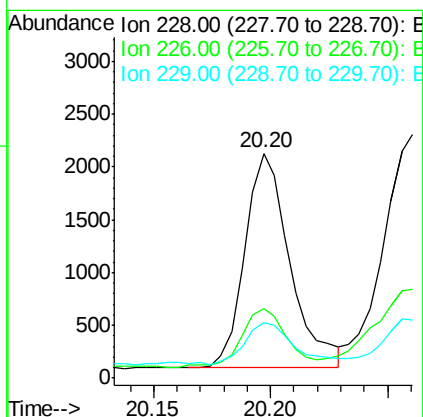
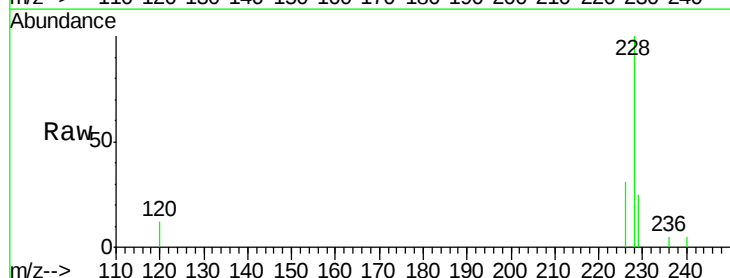
Tgt Ion:228 Resp: 2718

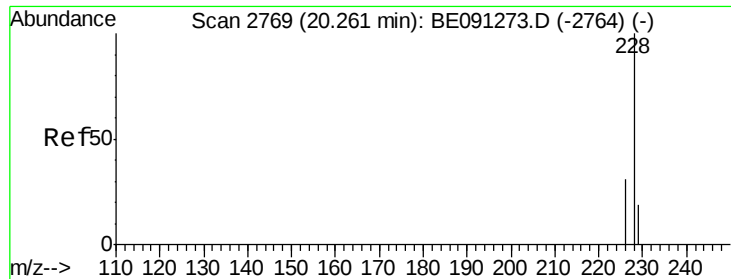
Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

229 24.6 15.2 22.8#





#21

Chrysene

Concen: 0.05 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

A4J72MSD

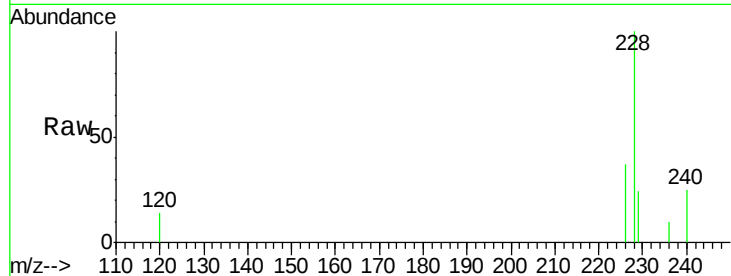
Tgt Ion:228 Resp: 3540

Ion Ratio Lower Upper

228 100

226 36.6 25.7 38.5

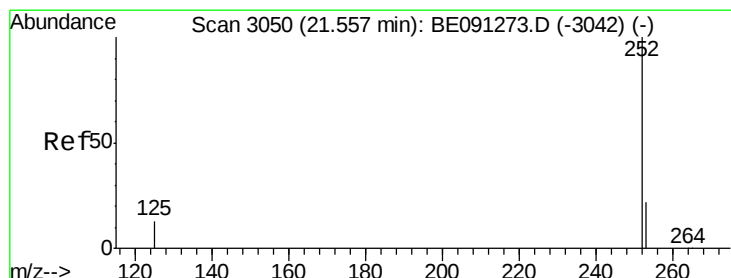
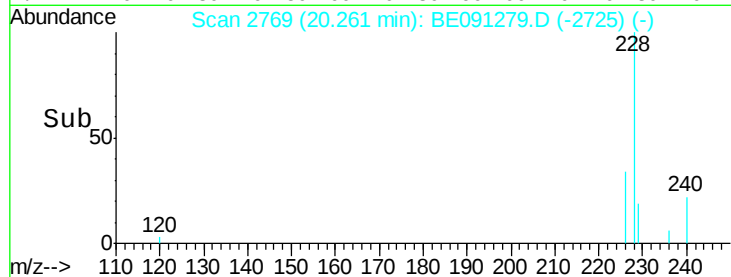
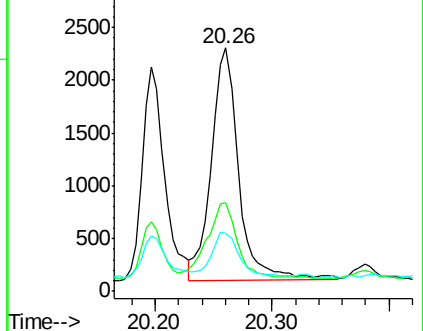
229 23.8 15.2 22.8#



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

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

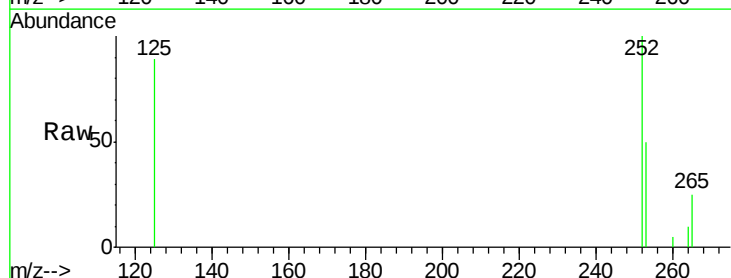
Tgt Ion:252 Resp: 2251

Ion Ratio Lower Upper

252 100

253 49.6 0.0 48.0#

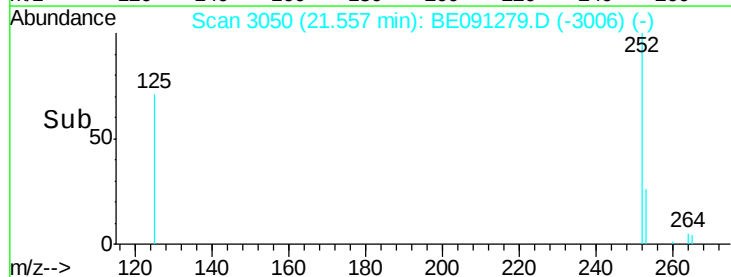
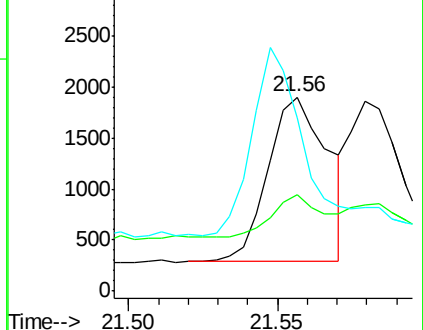
125 89.5 0.0 36.6#

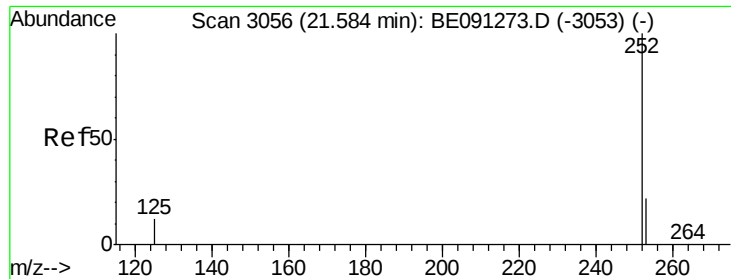


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

A4J72MSD

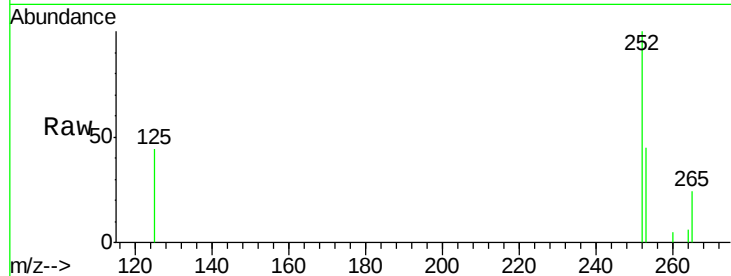
Tgt Ion:252 Resp: 1731

Ion Ratio Lower Upper

252 100

253 45.5 20.8 31.2#

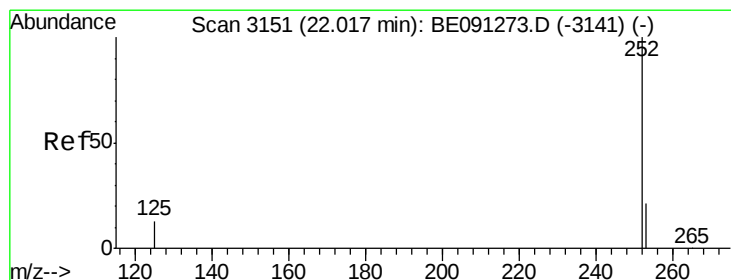
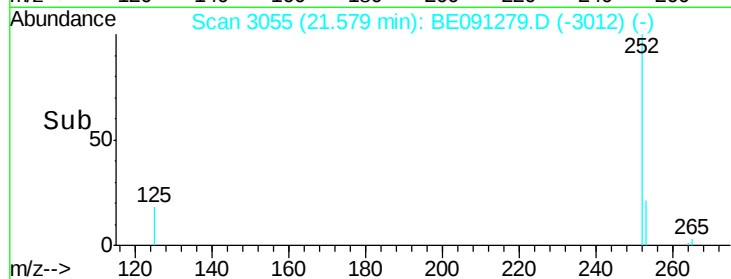
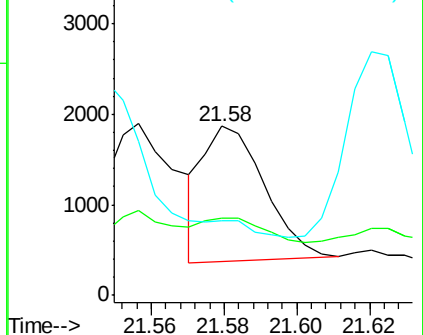
125 44.2 12.2 18.4#



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



#25

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

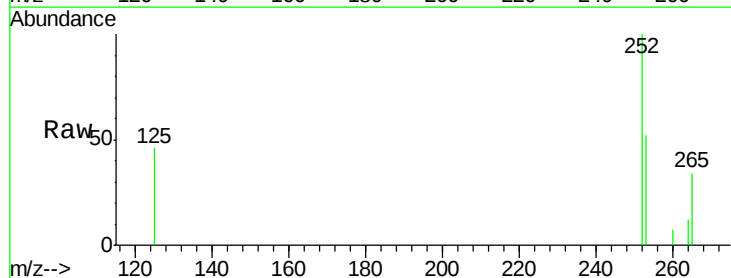
Tgt Ion:252 Resp: 2036

Ion Ratio Lower Upper

252 100

253 52.3 21.8 32.8#

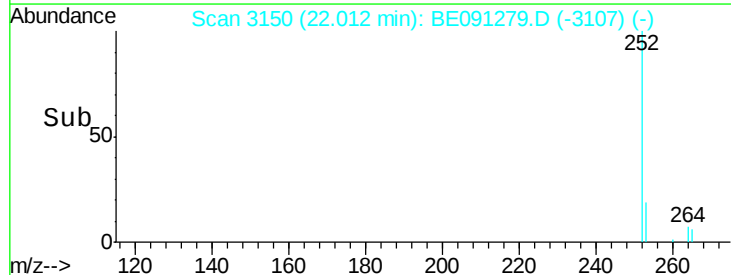
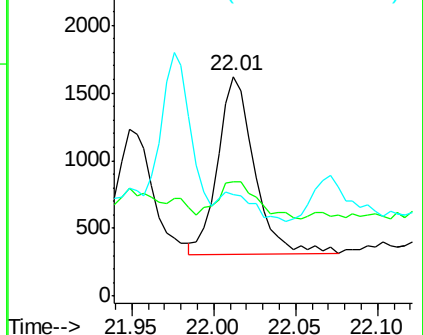
125 46.4 14.5 21.7#

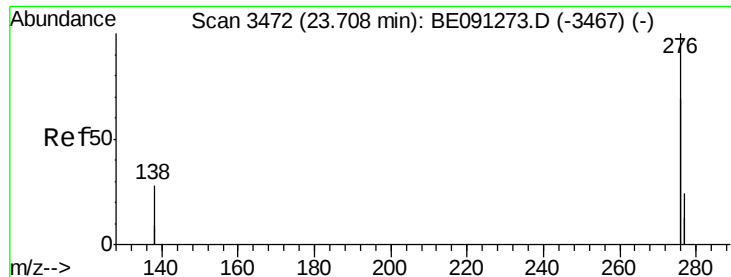


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng/ul

RT: 23.71 min Scan# 3473

Delta R.T. 0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

A4J72MSD

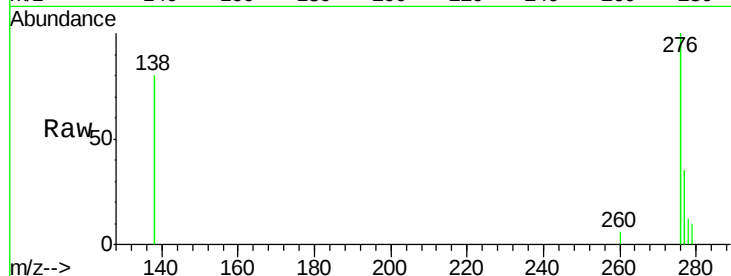
Tgt Ion:276 Resp: 5082

Ion Ratio Lower Upper

276 100

138 36.7 27.5 41.3

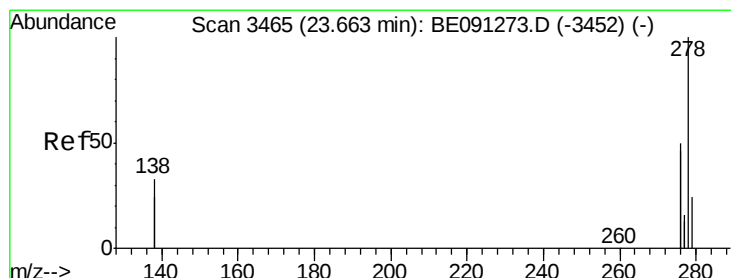
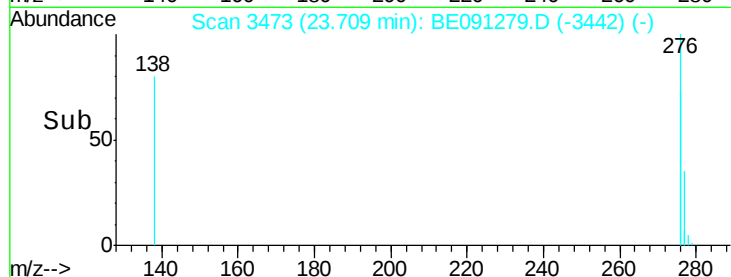
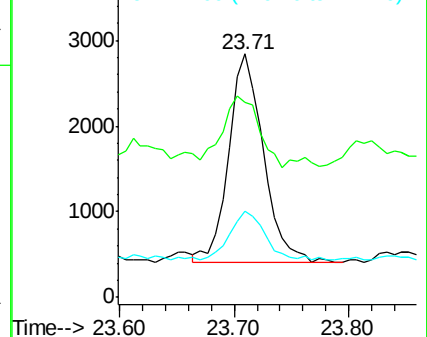
277 27.2 19.3 28.9



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



#27

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 23.66 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

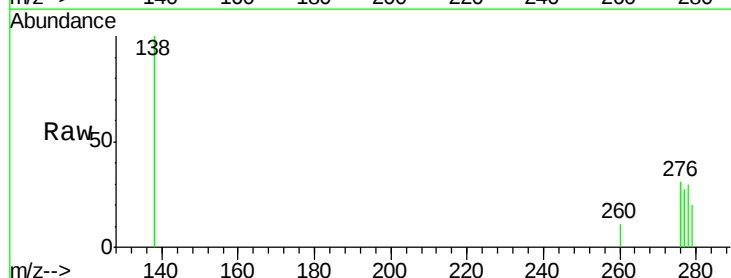
Tgt Ion:278 Resp: 524

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

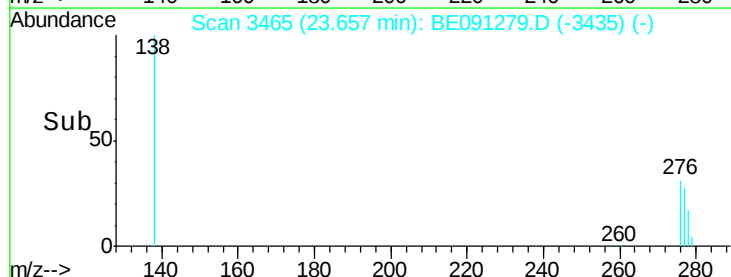
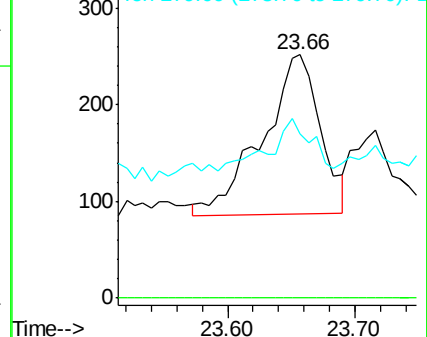
279 67.5 21.9 32.9#

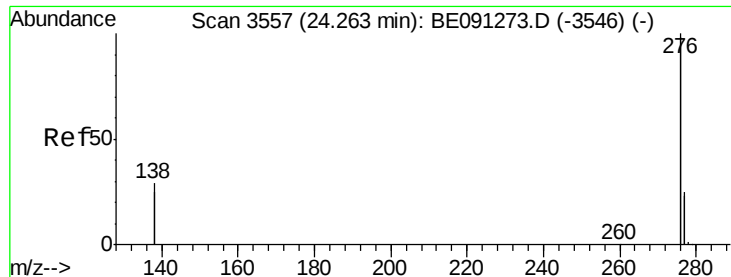


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.02 ng/ul

RT: 24.26 min Scan# 3558

Delta R.T. 0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

A4J72MSD

Tgt Ion: 276 Resp: 5628

Ion Ratio Lower Upper

276 100

277 36.3 21.3 31.9#

138 82.3 25.5 38.3#

