

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091289.D
 Acq On : 21 Nov 2015 22:55
 Operator : UM/NP
 Sample : G4345-26MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J69MS

Quant Time: Nov 22 02:04:09 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 01:59:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2647	0.40	ng/ul	0.00
4) Naphthalene-d8	9.56	136	12735	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	6950	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	16682	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	19470	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	2472	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.95	96	47	0.02	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.06	152	5679	0.33	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	17644	0.38	ng/ul	0.00

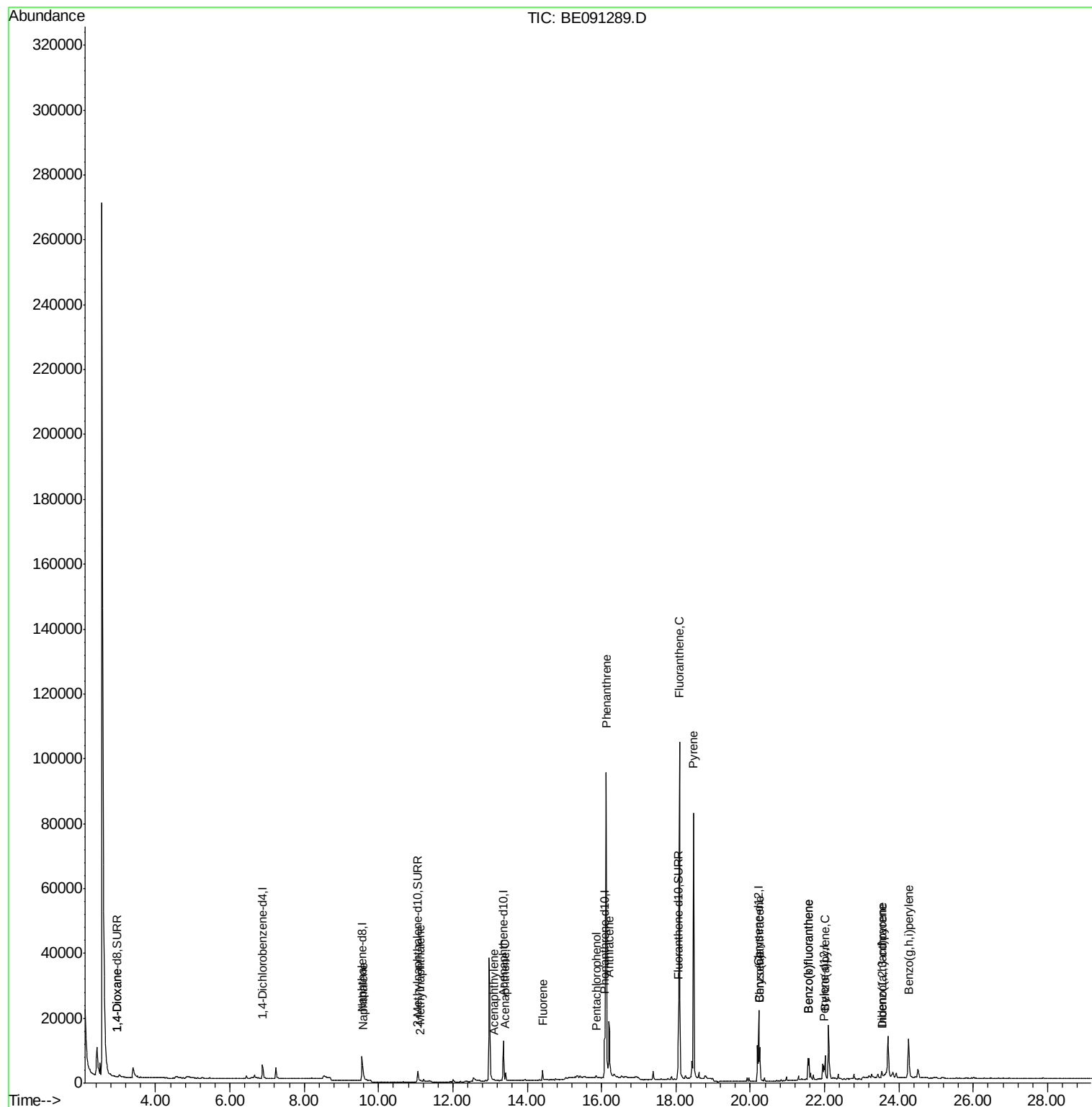
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.97	88	50	0.02	ng/ul#	36
5) Naphthalene	9.60	128	1543	0.05	ng/ul#	84
7) 2-Methylnaphthalene	11.12	142	376	0.02	ng/ul	99
9) Acenaphthylene	13.11	152	221	0.01	ng/ul#	23
10) Acenaphthene	13.42	153	1449	0.06	ng/ul	93
11) Fluorene	14.41	166	2247	0.07	ng/ul#	97
13) Pentachlorophenol	15.86	266	899	0.57	ng/ul	96
14) Phenanthrene	16.12	178	120598	0.63	ng/ul	96
15) Anthracene	16.20	178	23129	0.13	ng/ul	96
17) Fluoranthene	18.10	202	119369	0.53	ng/ul	88
19) Pyrene	18.47	202	92422	0.42	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	9800	0.20	ng/ul	94
21) Chrysene	20.26	228	10068	0.17	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	6994	0.91	ng/ul	97
24) Benzo(k)fluoranthene	21.55	252	6994	0.88	ng/ul	98
25) Benzo(a)pyrene	22.01	252	7362	1.04	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	23.54	276	3921	0.13	ng/ul#	81
27) Dibenzo(a,h)anthracene	23.56	278	129	0.02	ng/ul#	28
28) Benzo(g,h,i)perylene	24.26	276	19267	0.61	ng/ul	97

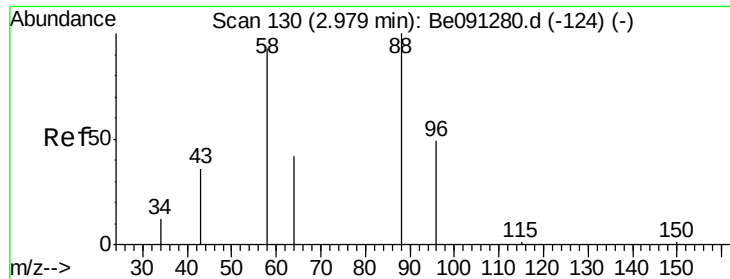
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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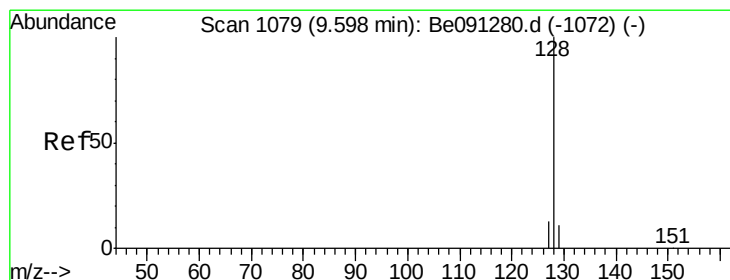
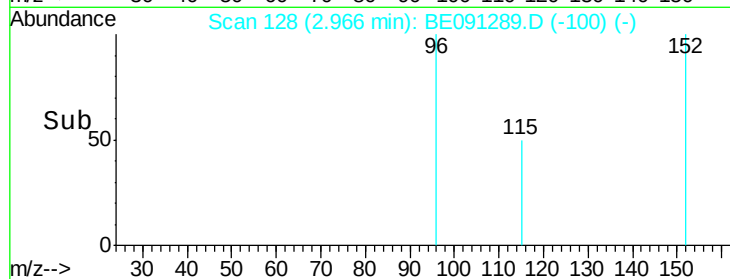
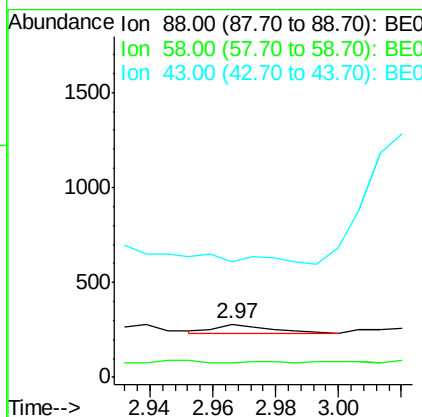
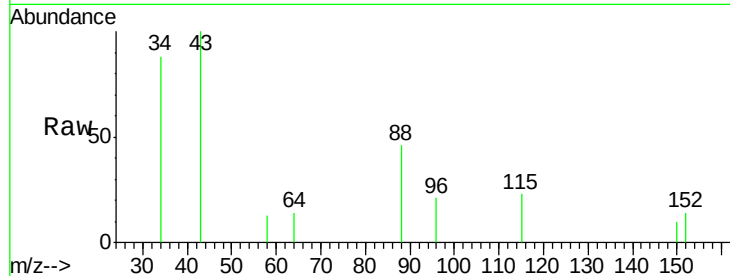




#3
 1,4-Dioxane
 Concen: 0.02 ng/ul
 RT: 2.97 min Scan# 128
 Delta R.T. -0.01 min
 Lab File: BE091289.D
 Acq: 21 Nov 2015 22:55

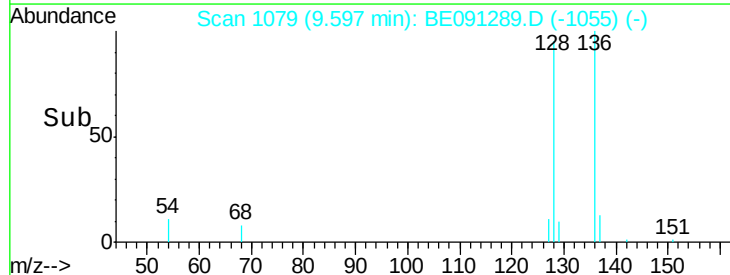
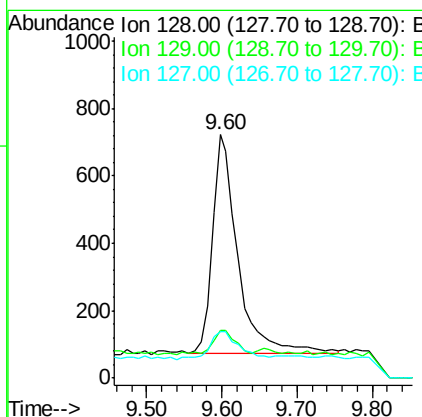
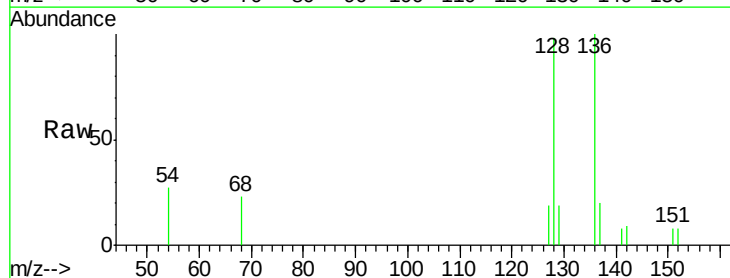
Instrument :
 BNA_E
 ClientSampleId :
 A4J69MS

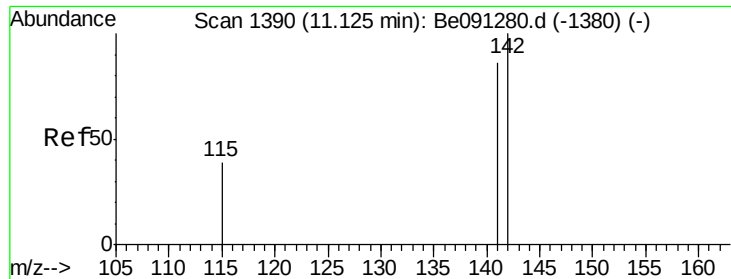
Tgt Ion: 88 Resp: 50
 Ion Ratio Lower Upper
 88 100
 58 14.0 55.4 83.2#
 43 0.0 24.2 36.2#



#5
 Naphthalene
 Concen: 0.05 ng/ul
 RT: 9.60 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: BE091289.D
 Acq: 21 Nov 2015 22:55

Tgt Ion: 128 Resp: 1543
 Ion Ratio Lower Upper
 128 100
 129 19.5 9.8 14.8#
 127 19.1 10.7 16.1#





#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 11.12 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

Instrument :

BNA_E

ClientSampled :

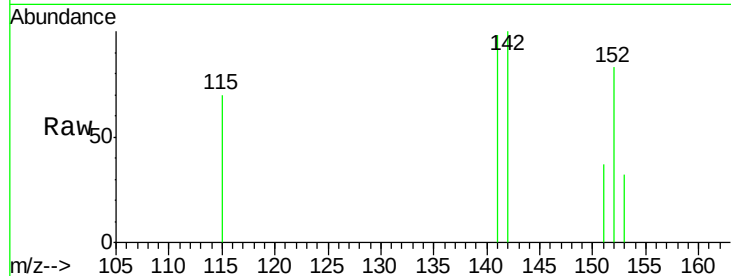
A4J69MS

Tgt Ion:142 Resp: 376

Ion Ratio Lower Upper

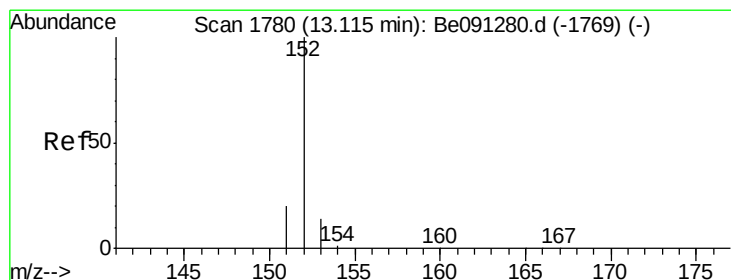
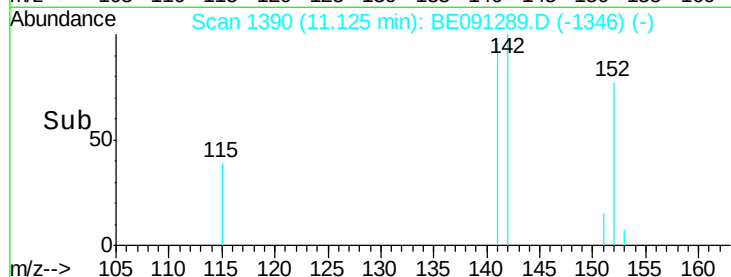
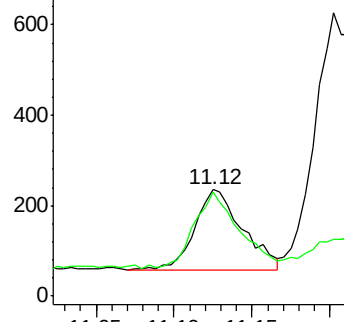
142 100

141 89.1 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: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

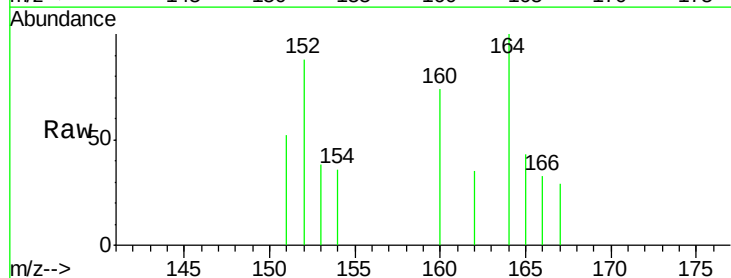
Tgt Ion:152 Resp: 221

Ion Ratio Lower Upper

152 100

151 58.8 16.8 25.2#

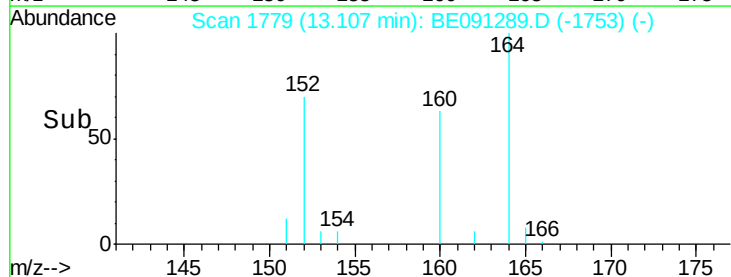
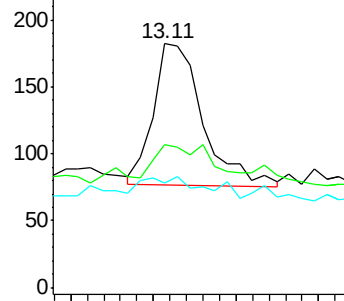
153 42.9 11.3 16.9#

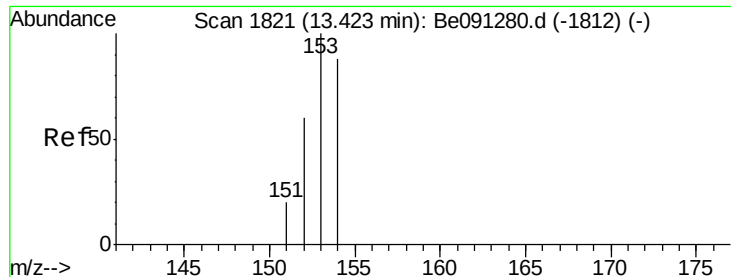


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.06 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

Instrument :

BNA_E

ClientSampleId :

A4J69MS

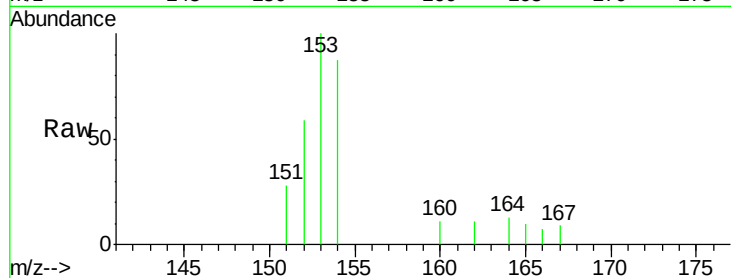
Tgt Ion:153 Resp: 1449

Ion Ratio Lower Upper

153 100

152 58.6 42.3 63.5

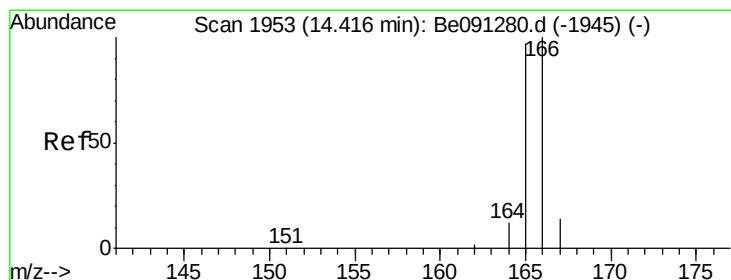
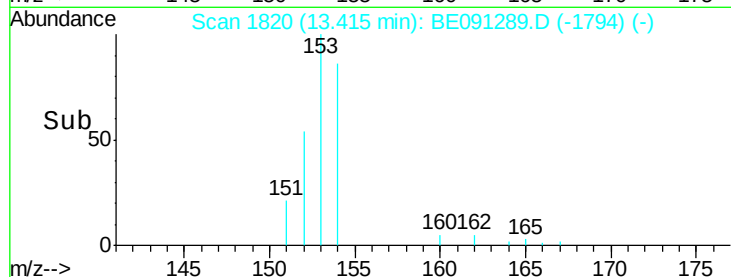
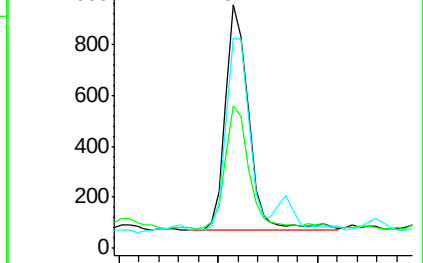
154 86.5 64.7 97.1



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 0.07 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

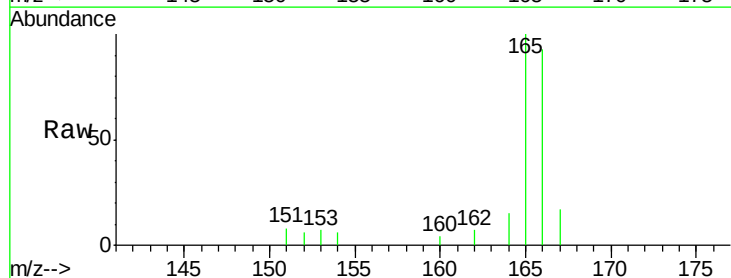
Tgt Ion:166 Resp: 2247

Ion Ratio Lower Upper

166 100

165 107.6 87.6 131.4

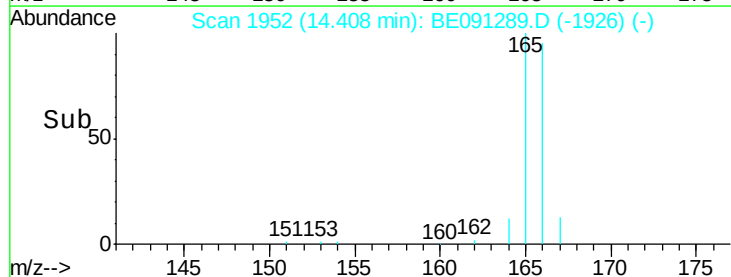
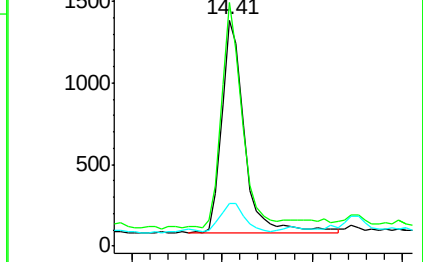
167 18.7 11.1 16.7#

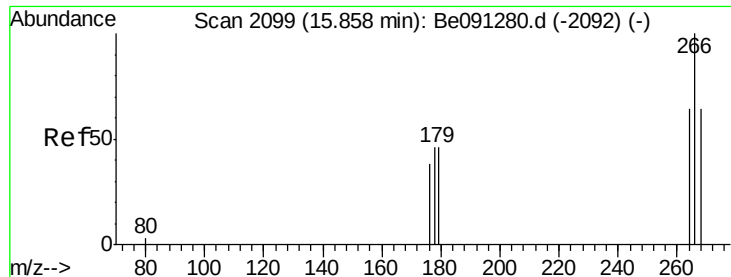


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Pentachlorophenol

Concen: 0.57 ng/ul

RT: 15.86 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

Instrument :

BNA_E

ClientSampleId :

A4J69MS

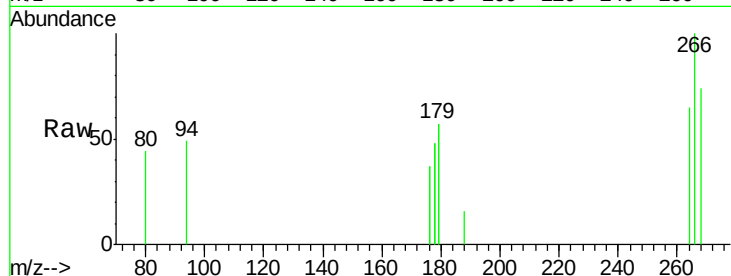
Tgt Ion: 266 Resp: 899

Ion Ratio Lower Upper

266 100

264 68.9 53.5 80.3

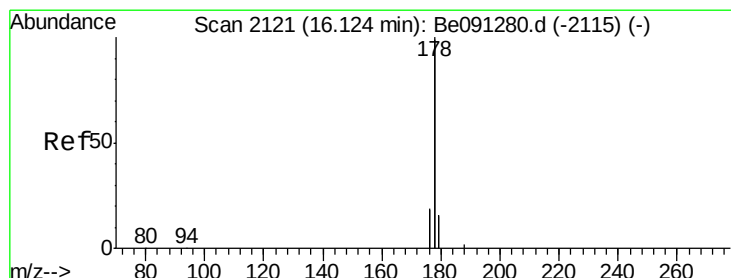
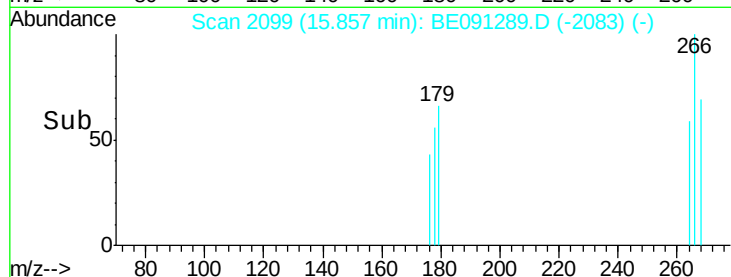
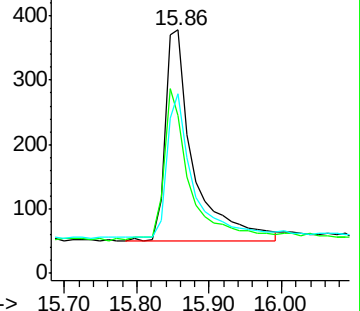
268 64.0 54.2 81.2



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#14

Phenanthrene

Concen: 0.63 ng/ul

RT: 16.12 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

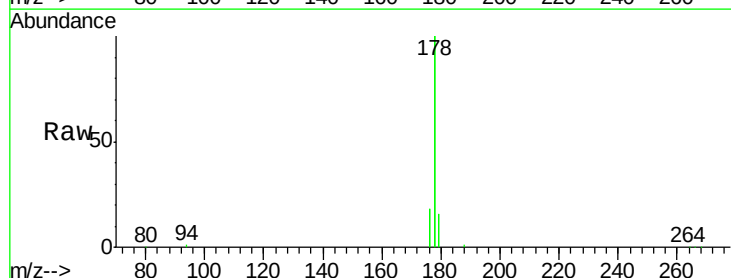
Tgt Ion: 178 Resp: 120598

Ion Ratio Lower Upper

178 100

176 17.6 16.2 24.4

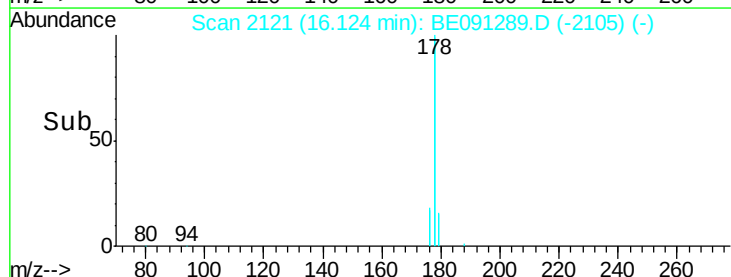
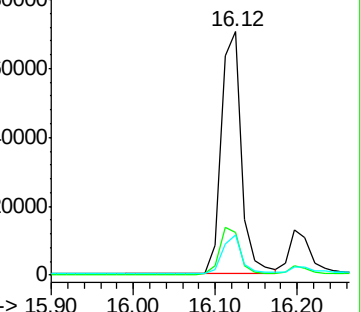
179 16.5 12.8 19.2

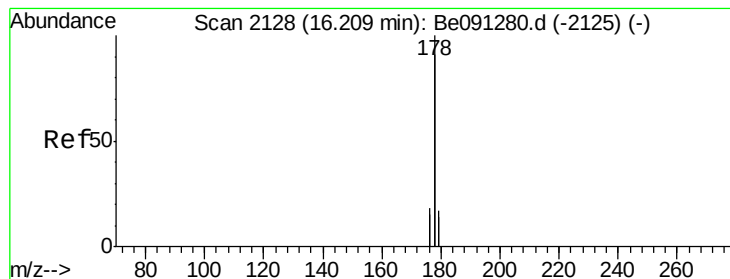


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.13 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

Instrument :

BNA_E

ClientSampleId :

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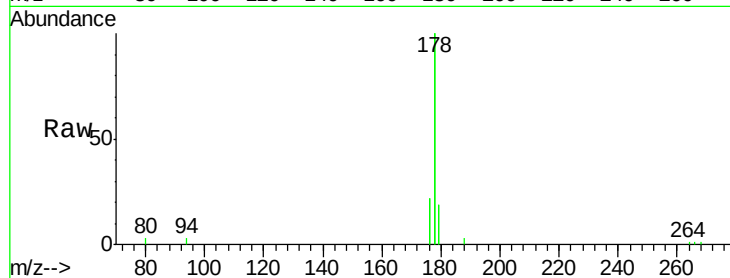
Tgt Ion:178 Resp: 23129

Ion Ratio Lower Upper

178 100

176 21.7 15.8 23.8

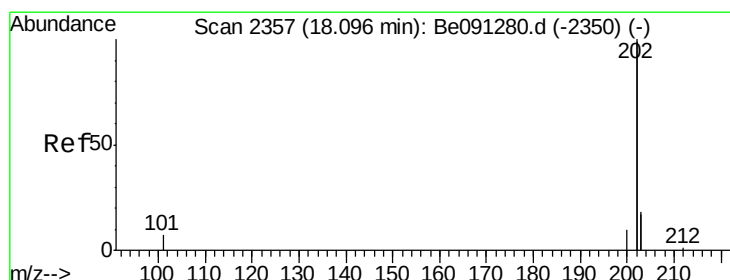
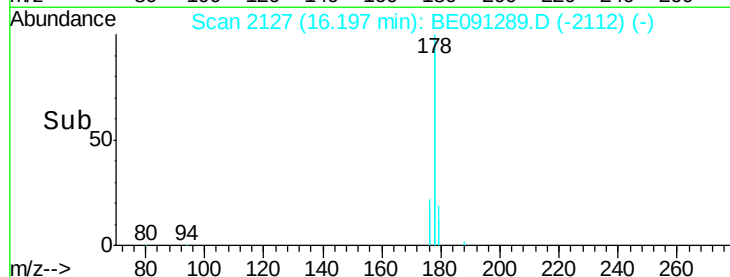
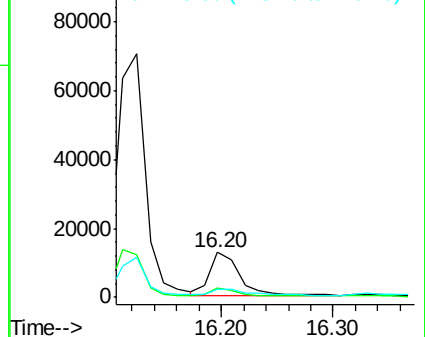
179 18.6 13.3 19.9



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: 0.53 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

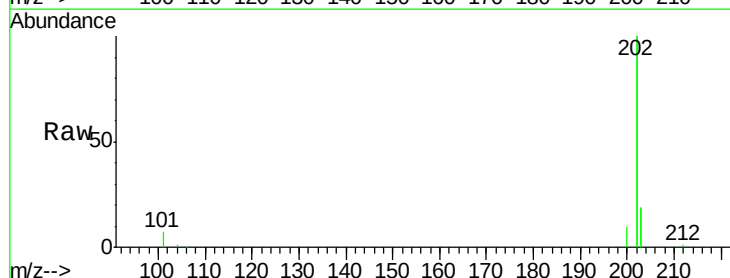
Tgt Ion:202 Resp: 119369

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

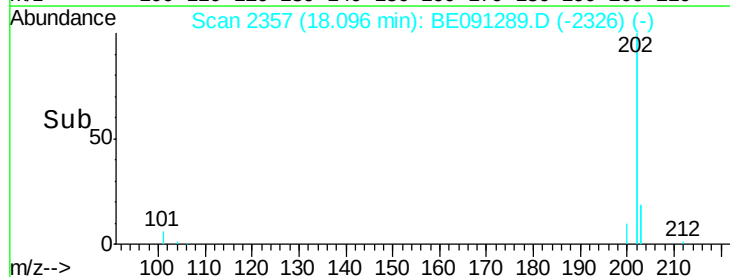
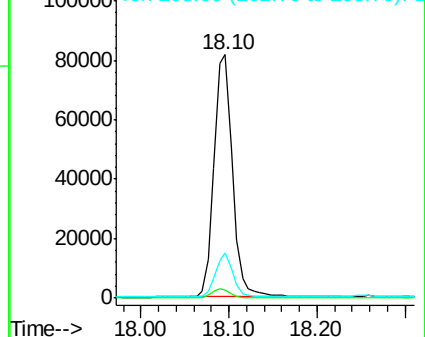
203 18.6 0.0 37.2

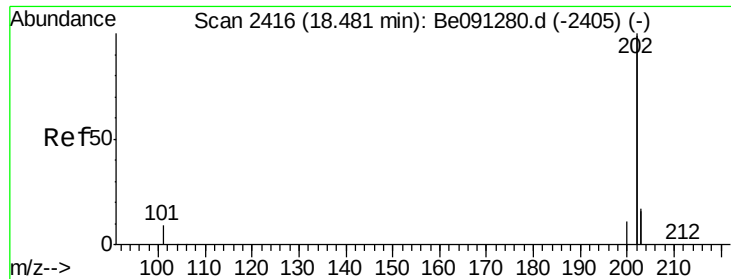


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.42 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091289.D

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Instrument :

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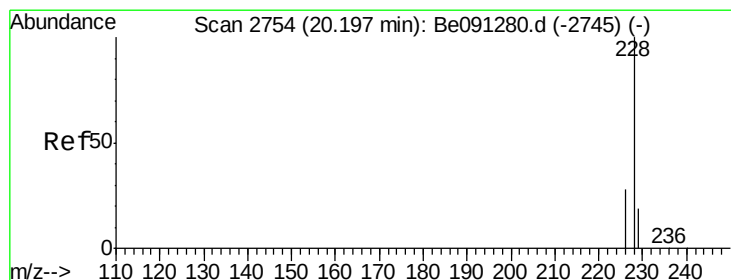
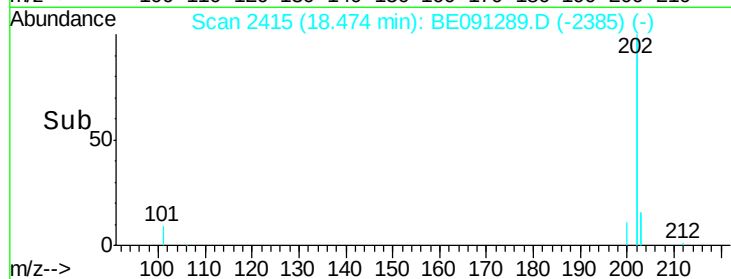
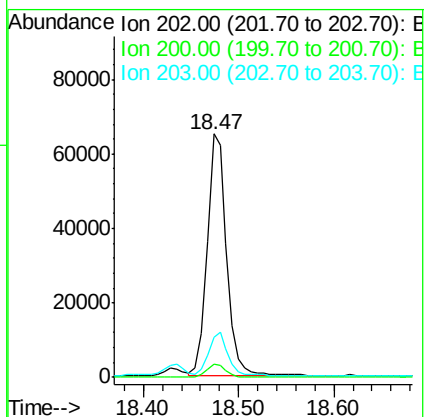
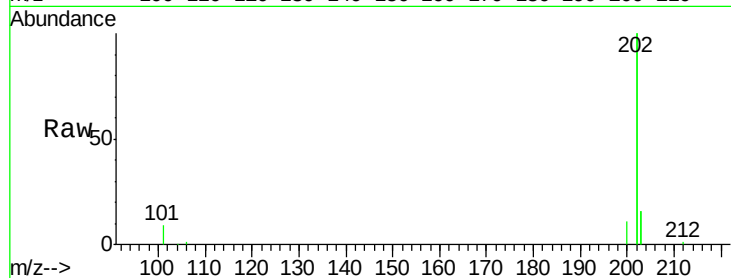
Tgt Ion:202 Resp: 92422

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

203 16.4 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.20 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.06 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

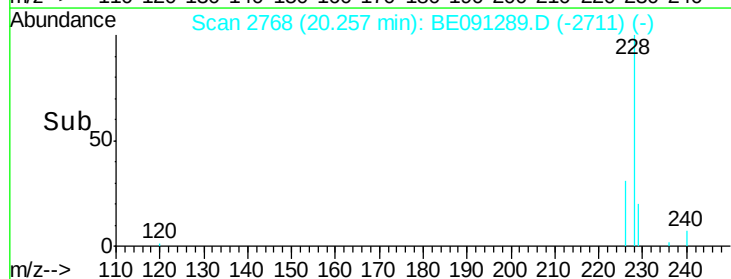
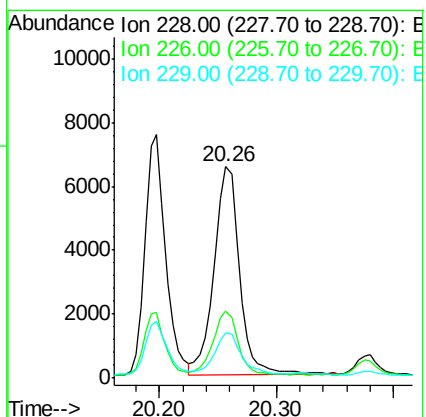
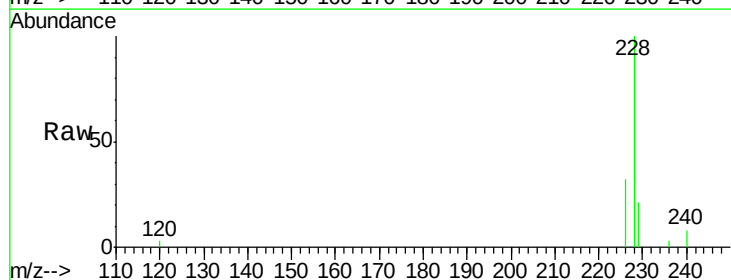
Tgt Ion:228 Resp: 9800

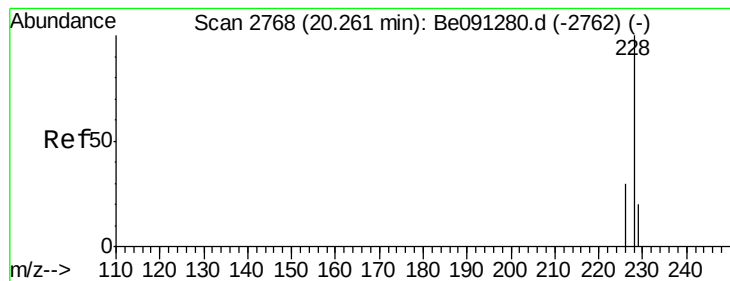
Ion Ratio Lower Upper

228 100

226 31.8 23.0 34.4

229 21.4 15.2 22.8





#21

Chrysene

Concen: 0.17 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

Instrument :

BNA_E

ClientSampleId :

A4J69MS

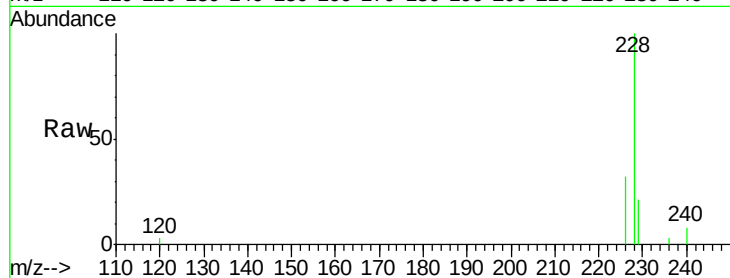
Tgt Ion:228 Resp: 10068

Ion Ratio Lower Upper

228 100

226 31.8 25.7 38.5

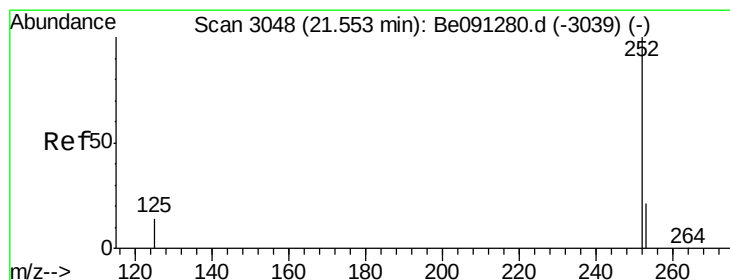
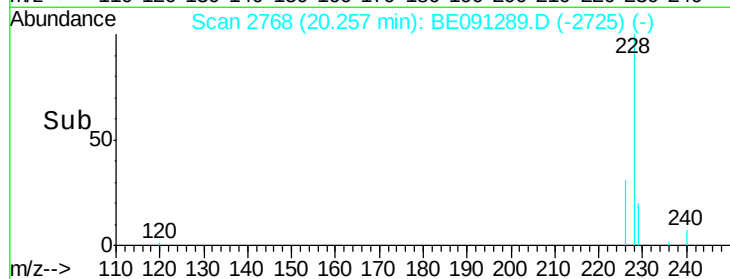
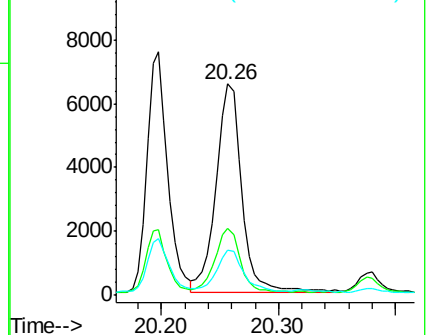
229 21.4 15.2 22.8



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: 0.91 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

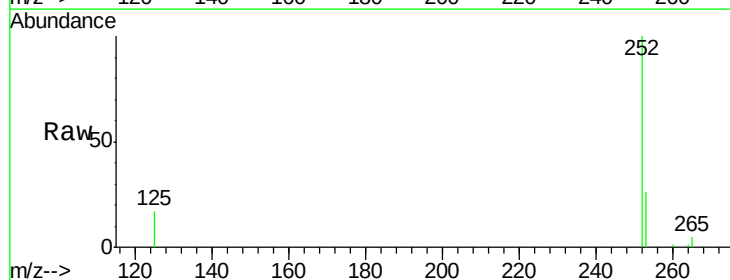
Tgt Ion:252 Resp: 6994

Ion Ratio Lower Upper

252 100

253 25.6 0.0 48.0

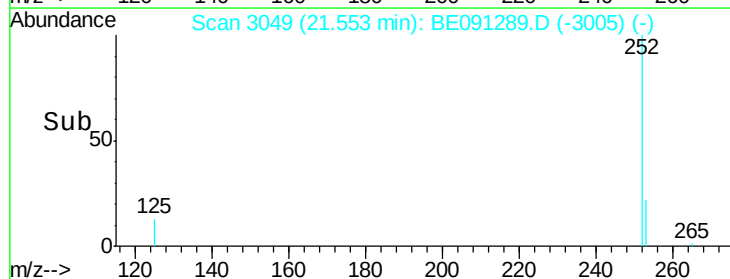
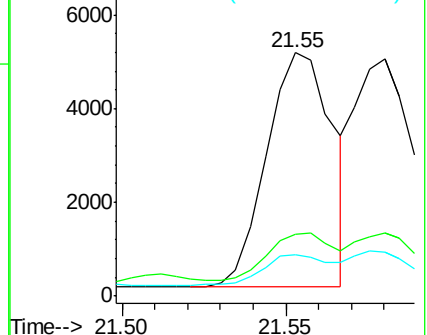
125 16.9 0.0 36.6

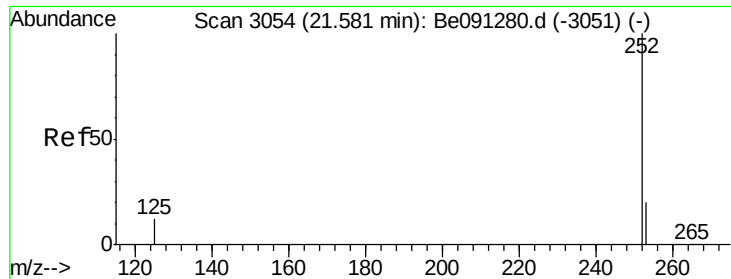


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.88 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.03 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

Instrument :

BNA_E

ClientSampleId :

A4J69MS

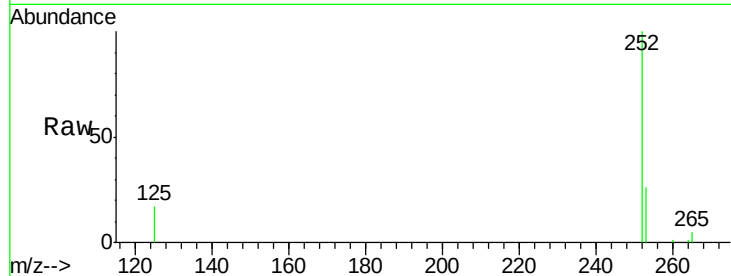
Tgt Ion:252 Resp: 6994

Ion Ratio Lower Upper

252 100

253 25.6 20.8 31.2

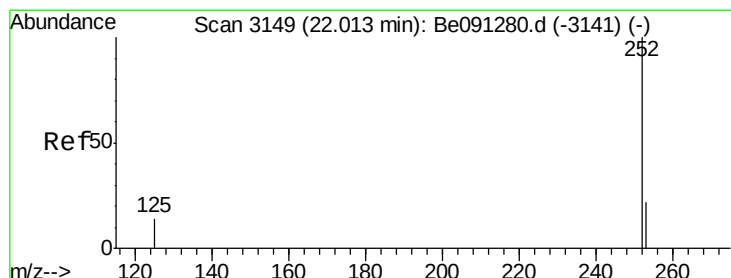
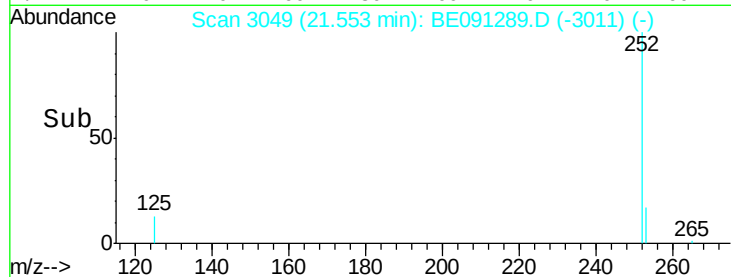
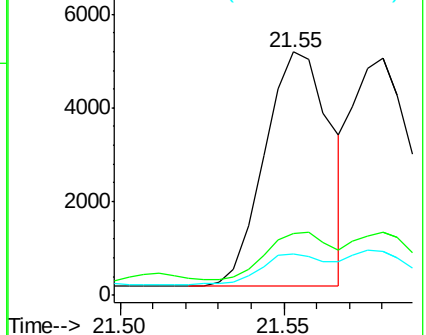
125 16.9 12.2 18.4



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: 1.04 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

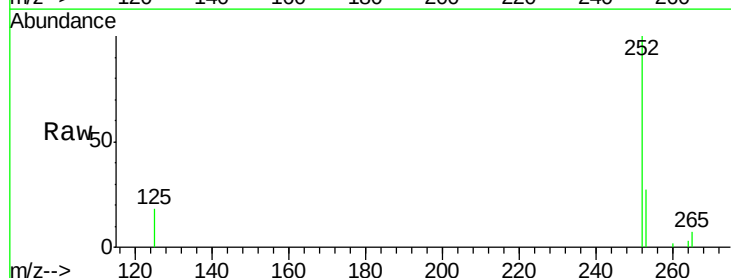
Tgt Ion:252 Resp: 7362

Ion Ratio Lower Upper

252 100

253 27.0 21.8 32.8

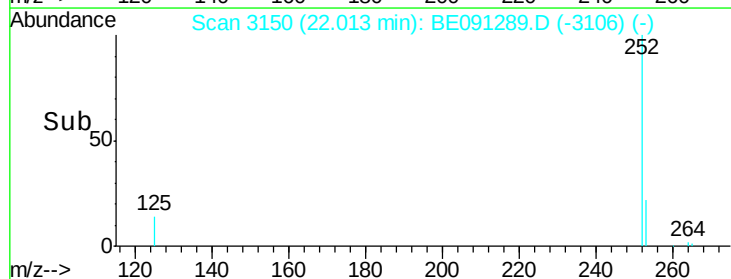
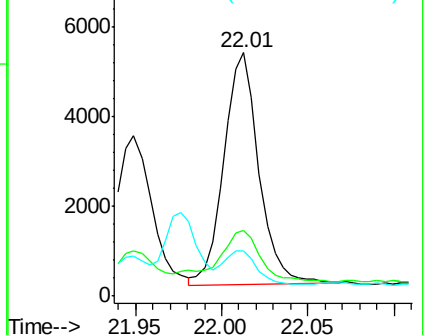
125 18.4 14.5 21.7

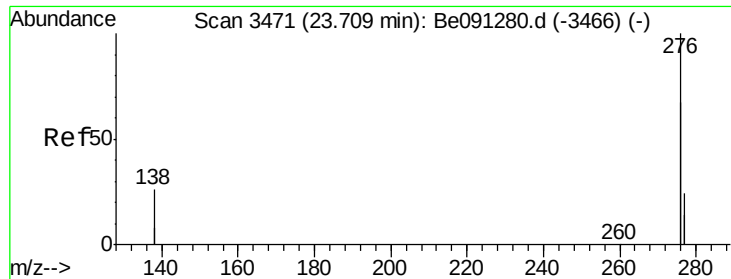


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.13 ng/ul

RT: 23.54 min Scan# 3446

Delta R.T. -0.17 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

Instrument :

BNA_E

ClientSampleId :

A4J69MS

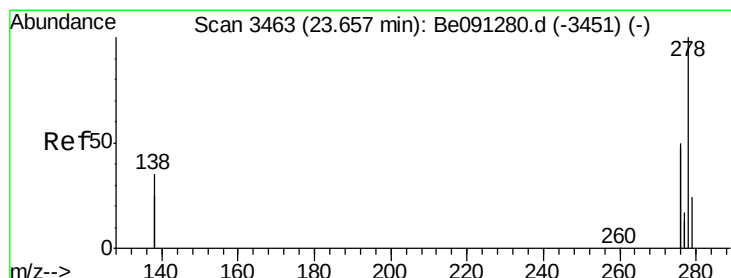
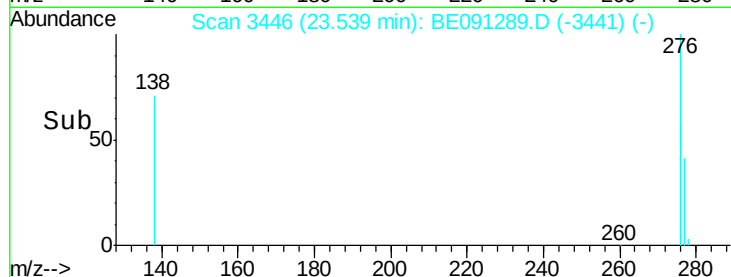
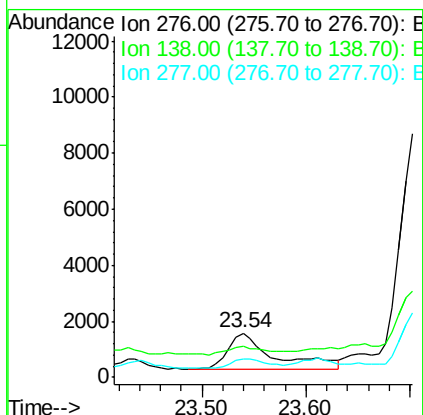
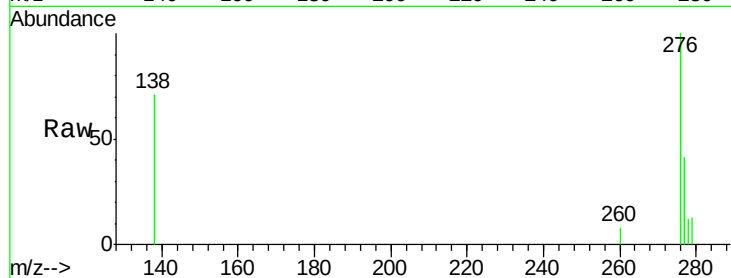
Tgt Ion:276 Resp: 3921

Ion Ratio Lower Upper

276 100

138 18.3 27.5 41.3#

277 21.5 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 23.56 min Scan# 3449

Delta R.T. -0.10 min

Lab File: BE091289.D

Acq: 21 Nov 2015 22:55

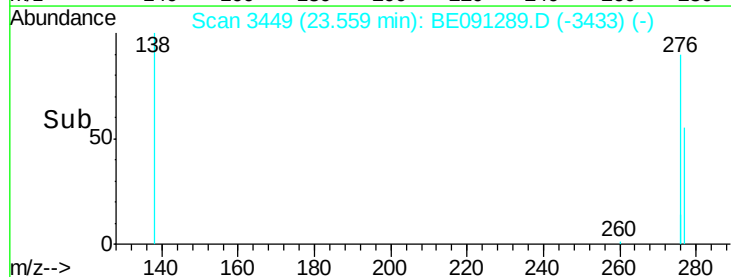
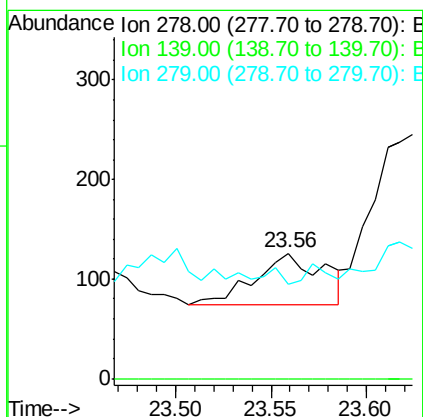
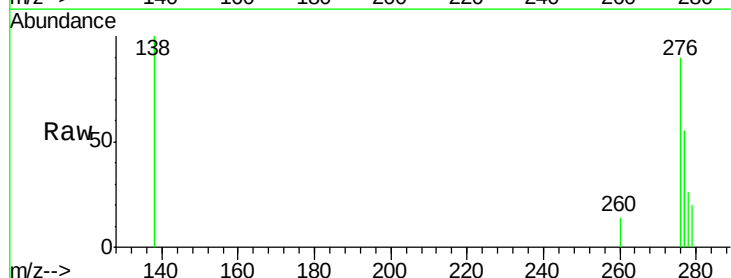
Tgt Ion:278 Resp: 129

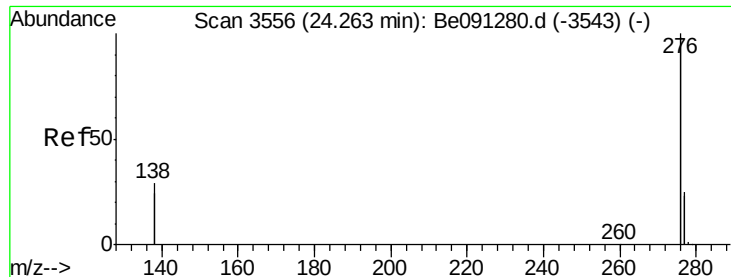
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 75.4 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.61 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091289.D

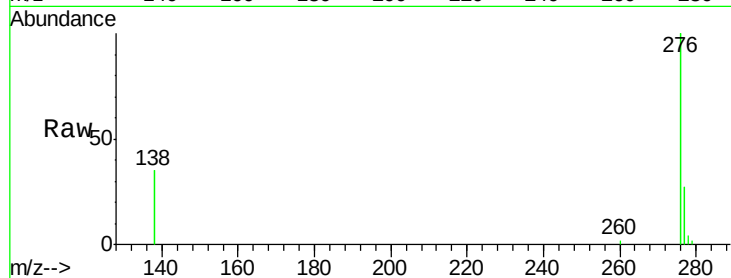
Acq: 21 Nov 2015 22:55

Instrument :

BNA_E

ClientSampleId :

A4J69MS



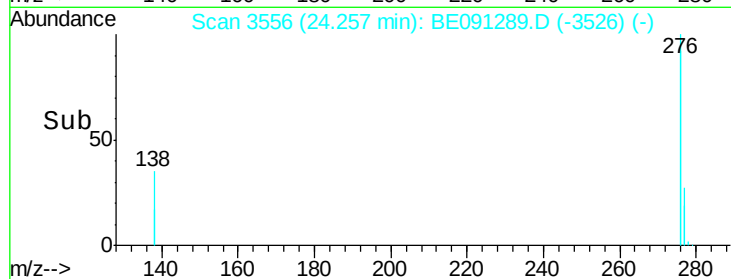
Tgt Ion: 276 Resp: 19267

Ion Ratio Lower Upper

276 100

277 26.7 21.3 31.9

138 35.1 25.5 38.3



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

