

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091291.D
 Acq On : 22 Nov 2015 00:09
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.484

Quant Time: Nov 22 02:04:56 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	2802	0.40	ng/ul	0.00
4) Naphthalene-d8	9.56	136	13938	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	7006	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	17088	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	18919	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	16423	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.95	96	4208	2.09	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.06	152	7498	0.39	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	17690	0.37	ng/ul	0.00

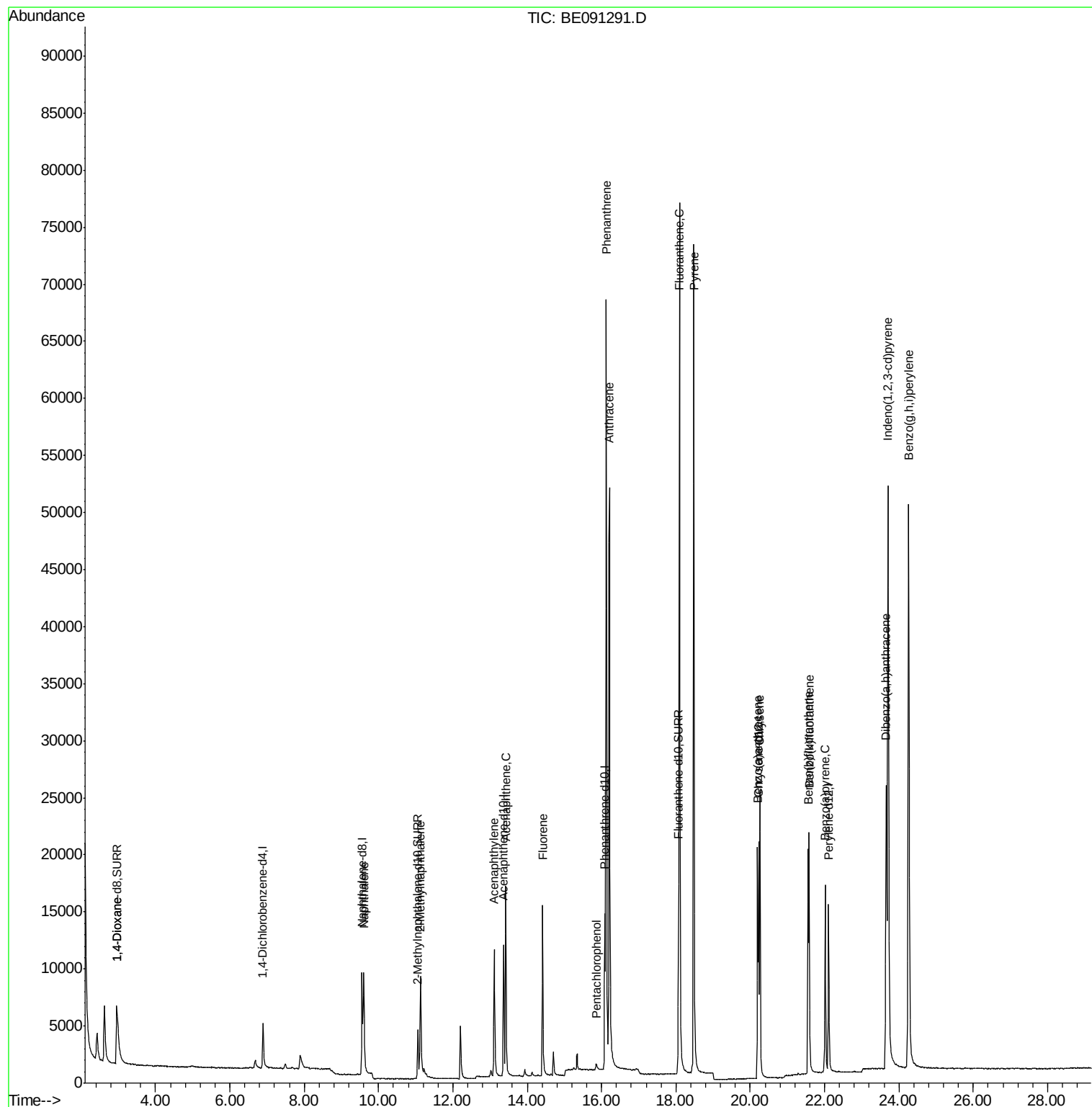
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.97	88	4806	2.11	ng/ul#	68
5) Naphthalene	9.60	128	14036	0.41	ng/ul	99
7) 2-Methylnaphthalene	11.13	142	8504	0.38	ng/ul	88
9) Acenaphthylene	13.11	152	14452	0.41	ng/ul	99
10) Acenaphthene	13.42	153	9969	0.42	ng/ul	89
11) Fluorene	14.42	166	11952	0.39	ng/ul	89
13) Pentachlorophenol	15.86	266	765	0.47	ng/ul	94
14) Phenanthrene	16.12	178	79052	0.40	ng/ul	98
15) Anthracene	16.21	178	75178	0.42	ng/ul	97
17) Fluoranthene	18.10	202	91356	0.40	ng/ul	90
19) Pyrene	18.48	202	87366	0.41	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	19649	0.40	ng/ul	98
21) Chrysene	20.26	228	23057	0.41	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	21758	0.42	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	20990	0.40	ng/ul	95
25) Benzo(a)pyrene	22.02	252	20134	0.43	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.71	276	78838	0.40	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.66	278	19709	0.42	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	84212	0.40	ng/ul	95

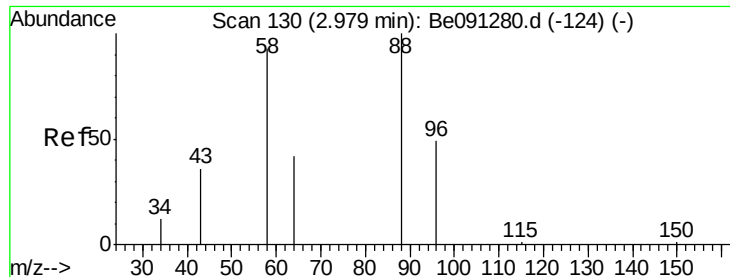
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.11 ng/ul

RT: 2.97 min Scan# 129

Delta R.T. -0.01 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

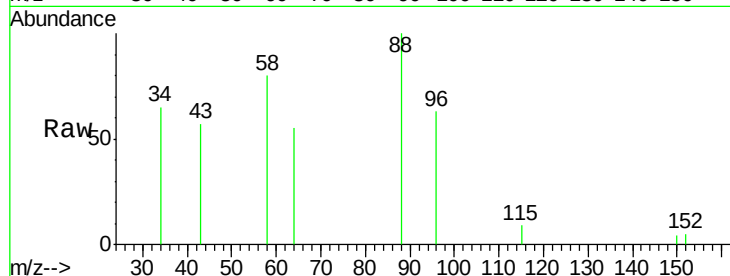
Tgt Ion: 88 Resp: 4806

Ion Ratio Lower Upper

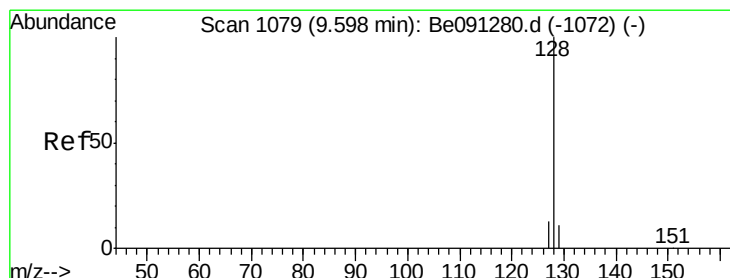
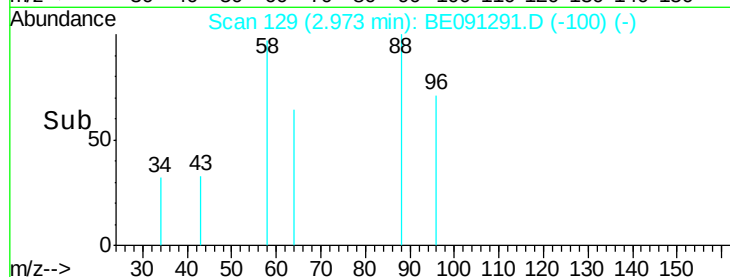
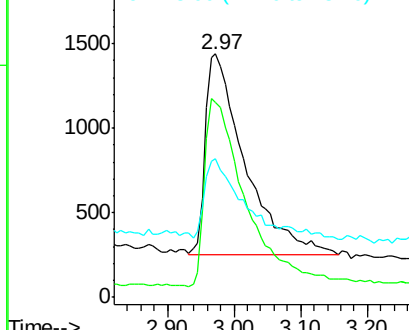
88 100

58 99.2 55.4 83.2#

43 42.1 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: 0.41 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

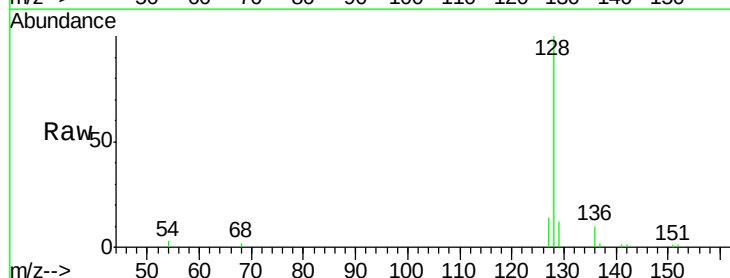
Tgt Ion: 128 Resp: 14036

Ion Ratio Lower Upper

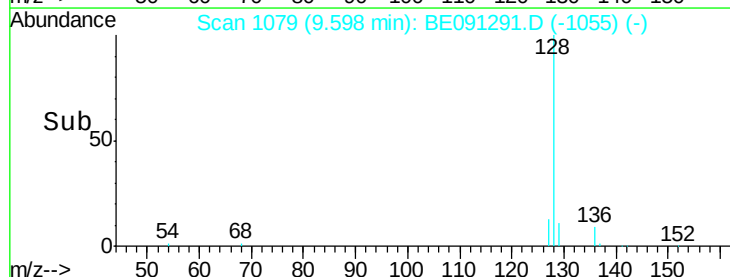
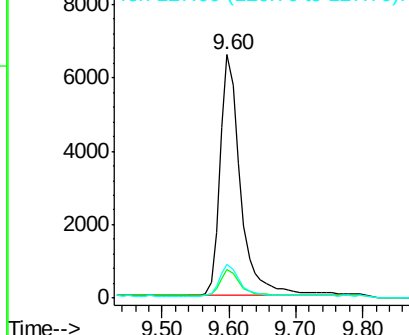
128 100

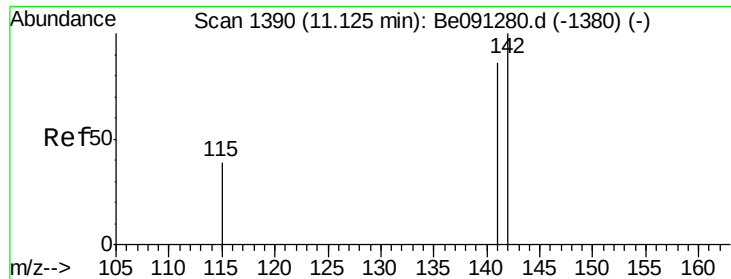
129 11.7 9.8 14.8

127 13.7 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: 0.38 ng/ul

RT: 11.13 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

Instrument :

BNA_E

ClientSampleId :

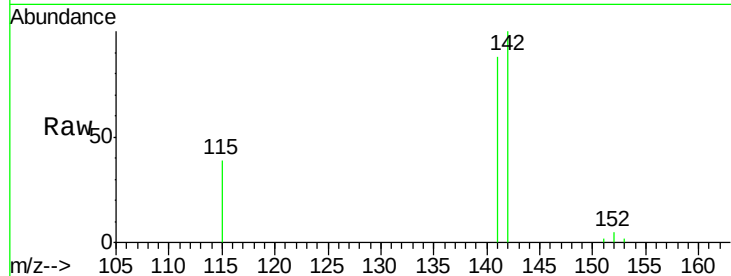
SSTD0.484

Tgt Ion:142 Resp: 8504

Ion Ratio Lower Upper

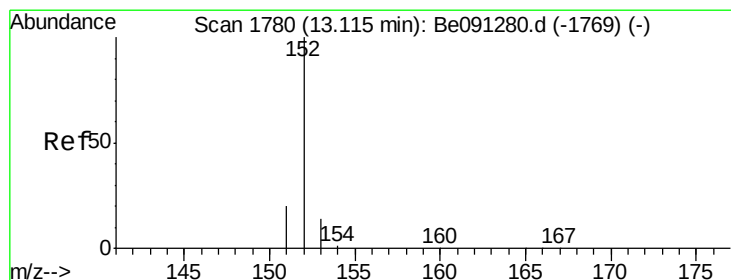
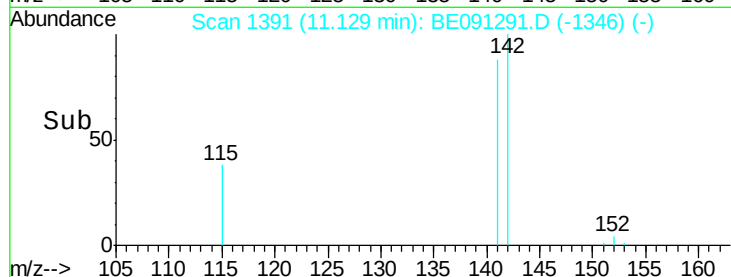
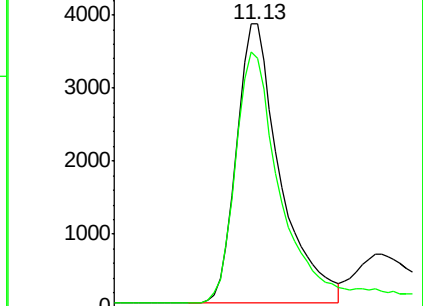
142 100

141 99.4 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: 0.41 ng/ul

RT: 13.11 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

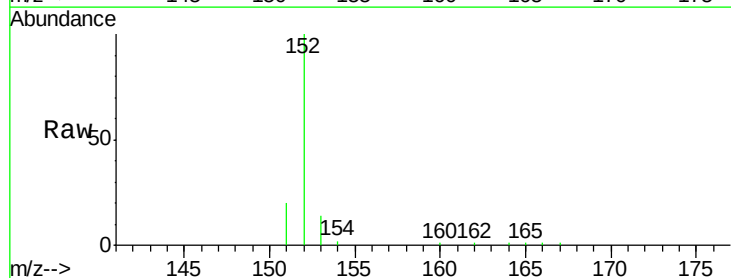
Tgt Ion:152 Resp: 14452

Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

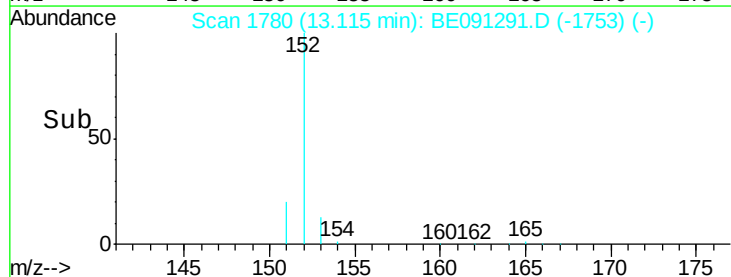
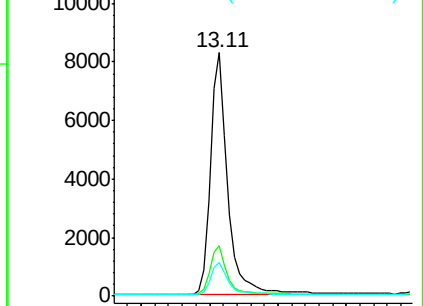
153 13.8 11.3 16.9

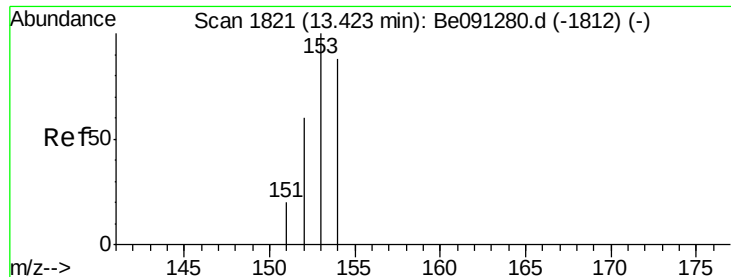


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

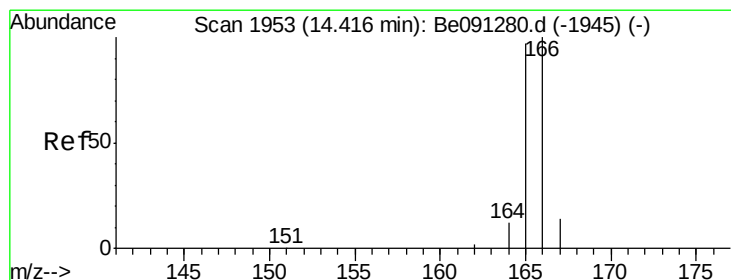
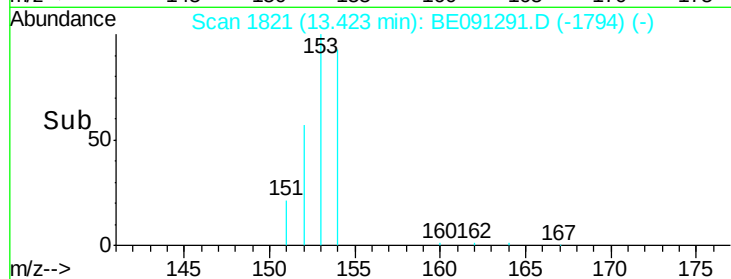
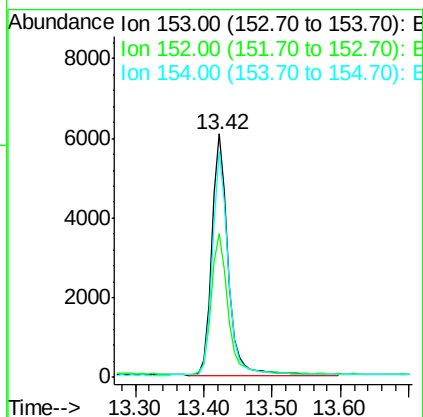
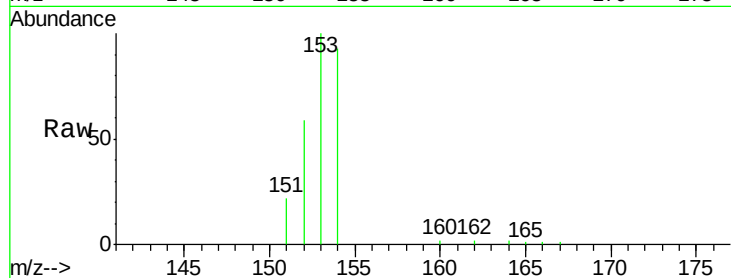
Tgt Ion:153 Resp: 9969

Ion Ratio Lower Upper

153 100

152 59.0 42.3 63.5

154 92.8 64.7 97.1



#11

Fluorene

Concen: 0.39 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

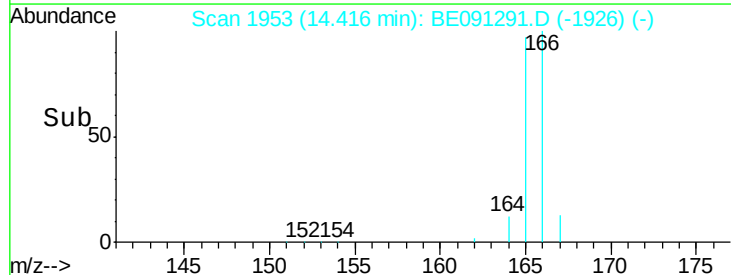
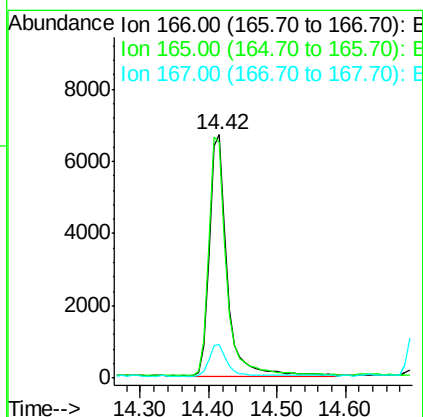
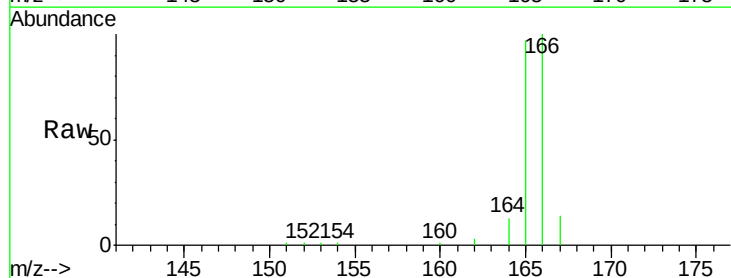
Tgt Ion:166 Resp: 11952

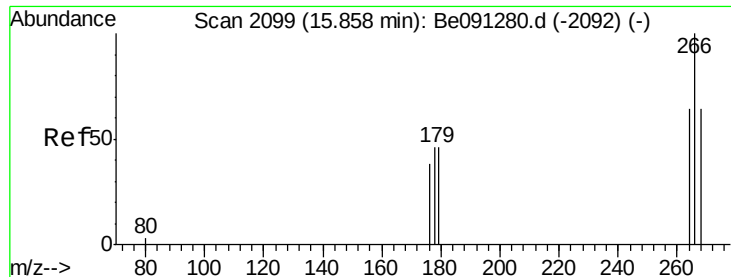
Ion Ratio Lower Upper

166 100

165 96.8 87.6 131.4

167 13.9 11.1 16.7

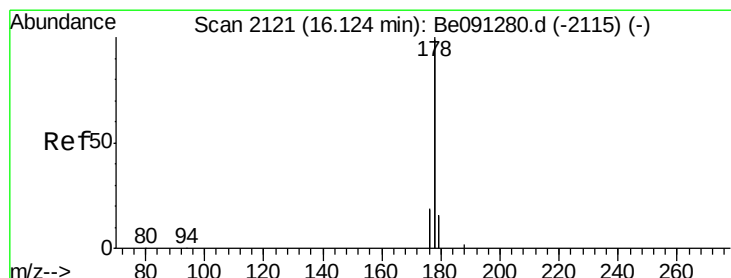
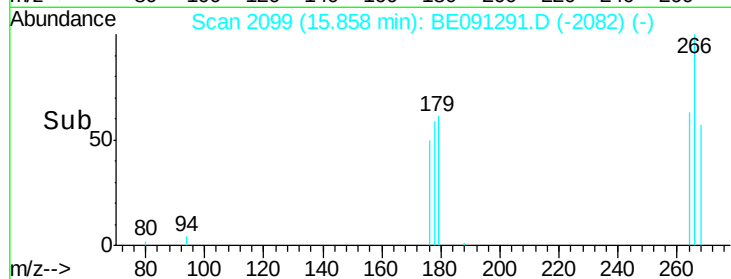
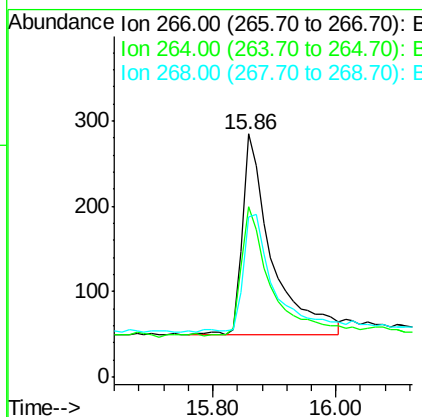
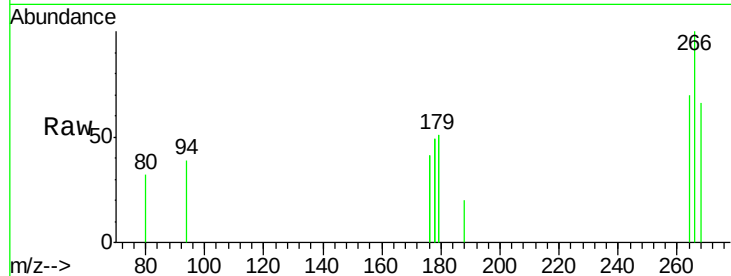




#13
 Pentachlorophenol
 Concen: 0.47 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BE091291.D
 Acq: 22 Nov 2015 00:09

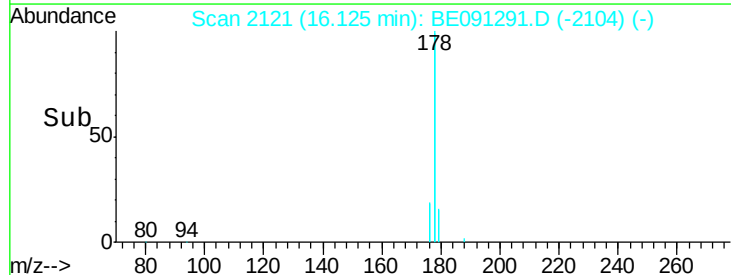
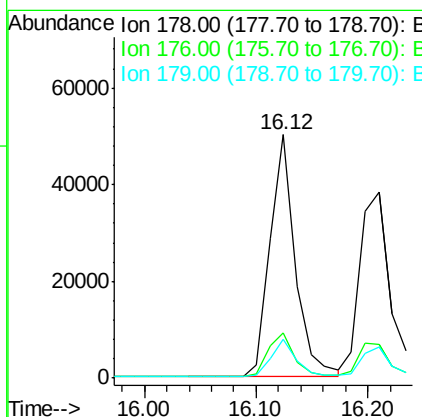
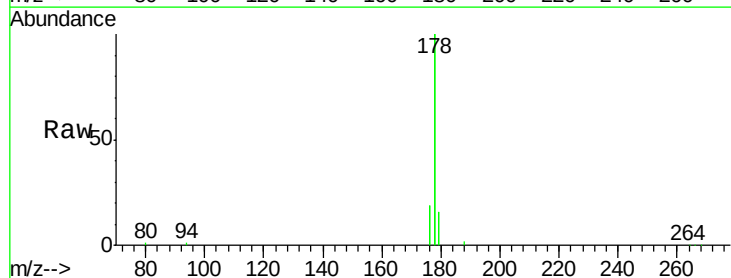
Instrument :
 BNA_E
 ClientSampleId :
 SST0.484

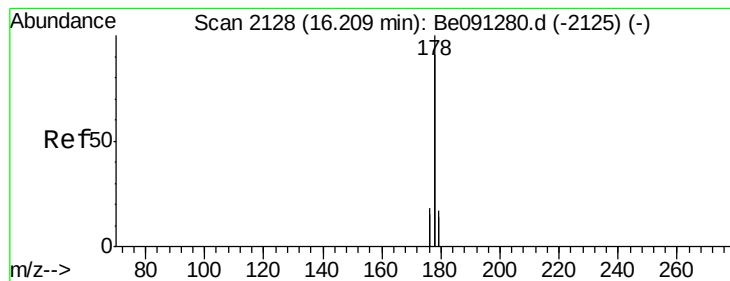
Tgt Ion: 266 Resp: 765
 Ion Ratio Lower Upper
 266 100
 264 65.0 53.5 80.3
 268 60.5 54.2 81.2



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091291.D
 Acq: 22 Nov 2015 00:09

Tgt Ion: 178 Resp: 79052
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 15.9 12.8 19.2





#15

Anthracene

Concen: 0.42 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

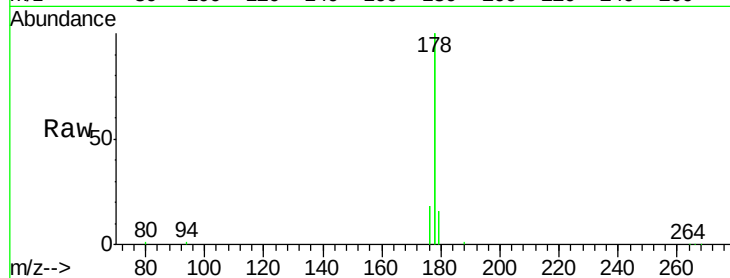
Tgt Ion:178 Resp: 75178

Ion Ratio Lower Upper

178 100

176 17.8 15.8 23.8

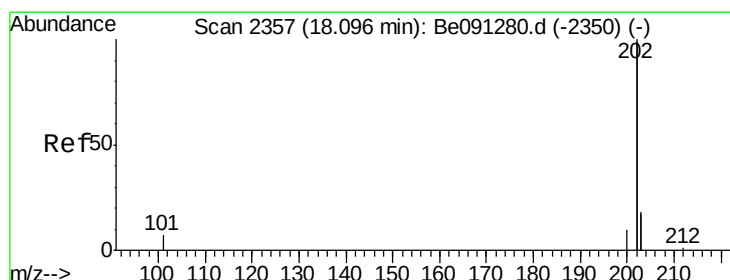
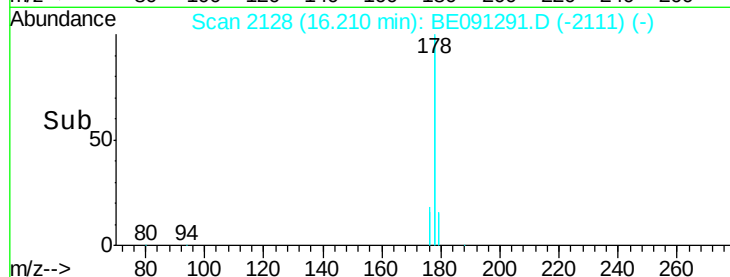
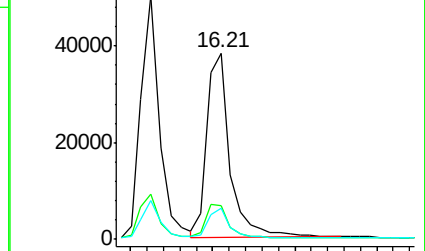
179 16.4 13.3 19.9



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: 0.40 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

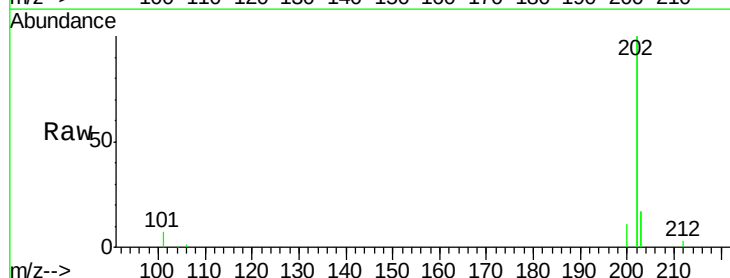
Tgt Ion:202 Resp: 91356

Ion Ratio Lower Upper

202 100

101 3.5 0.0 33.1

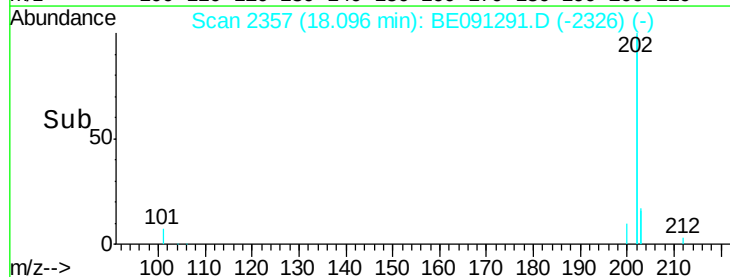
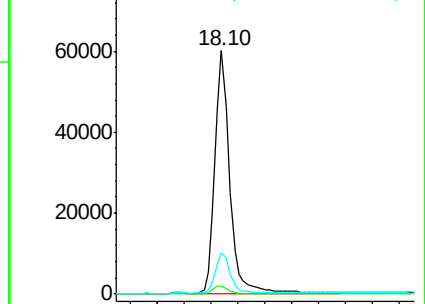
203 17.3 0.0 37.2

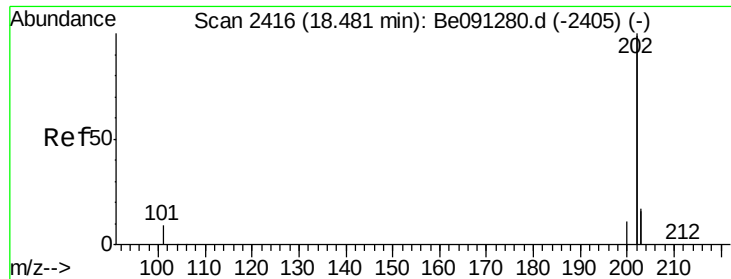


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.41 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

Instrument :

BNA_E

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SSTD0.484

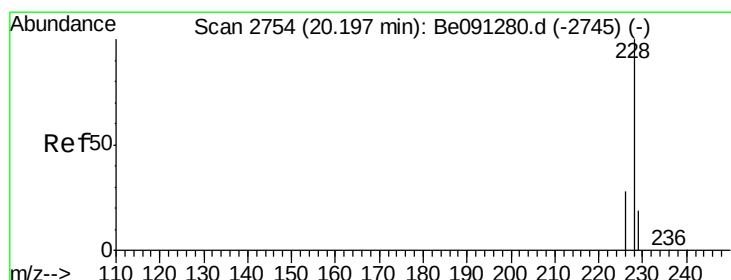
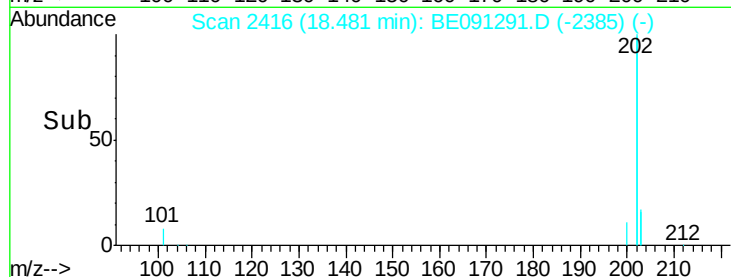
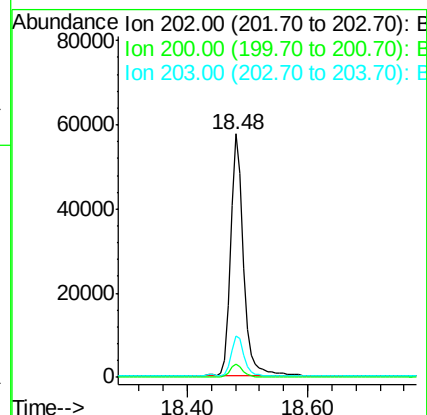
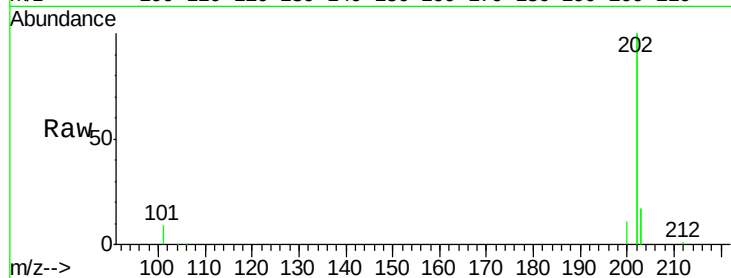
Tgt Ion:202 Resp: 87366

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 16.8 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 20.20 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

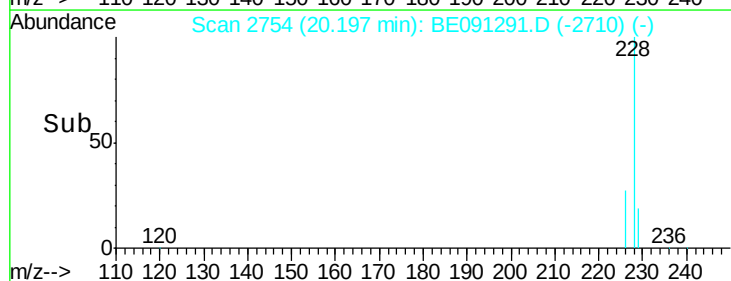
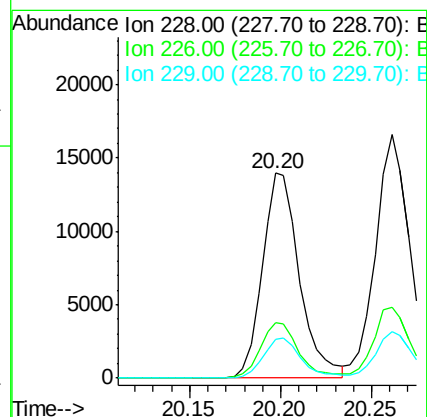
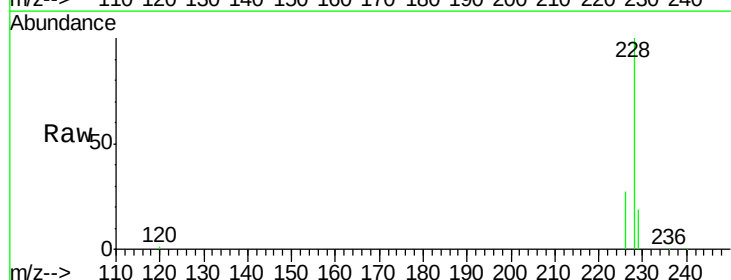
Tgt Ion:228 Resp: 19649

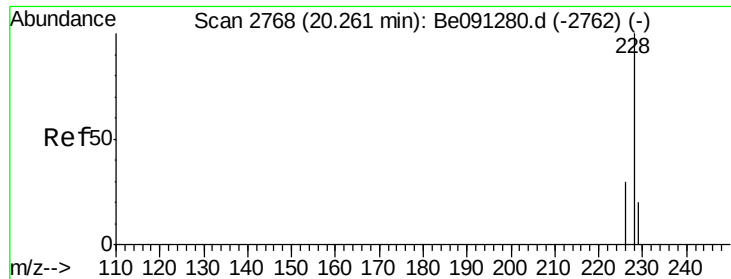
Ion Ratio Lower Upper

228 100

226 27.4 23.0 34.4

229 19.0 15.2 22.8





#21

Chrysene

Concen: 0.41 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

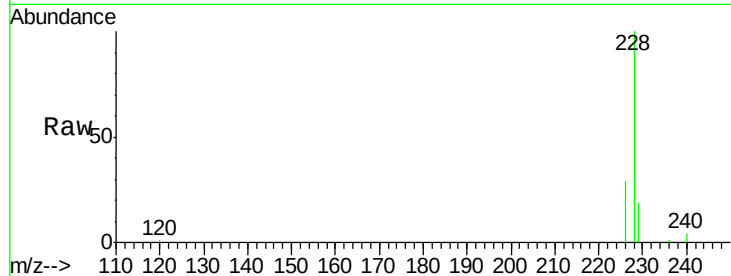
Tgt Ion:228 Resp: 23057

Ion Ratio Lower Upper

228 100

226 29.3 25.7 38.5

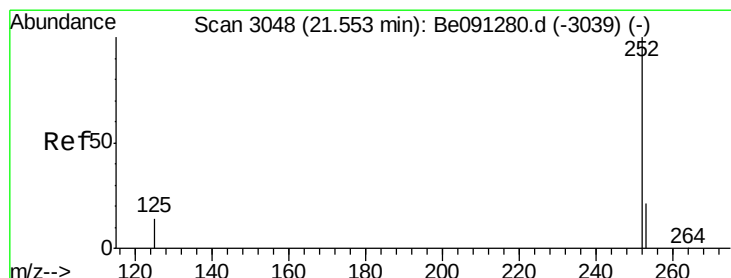
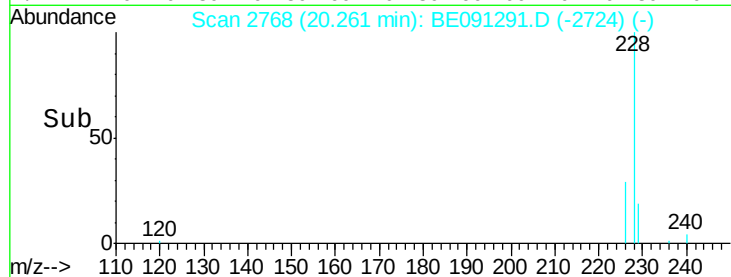
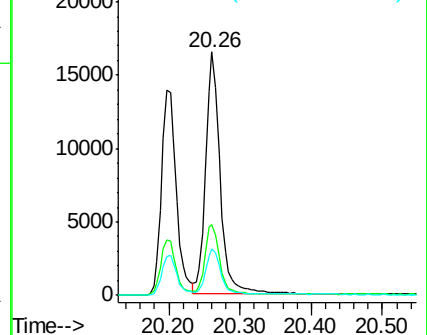
229 19.1 15.2 22.8



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: 0.42 ng/ul

RT: 21.56 min Scan# 3049

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

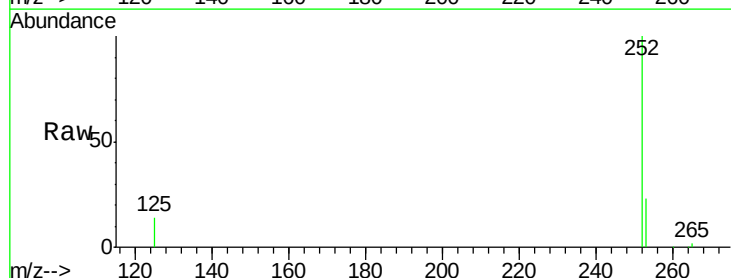
Tgt Ion:252 Resp: 21758

Ion Ratio Lower Upper

252 100

253 22.6 0.0 48.0

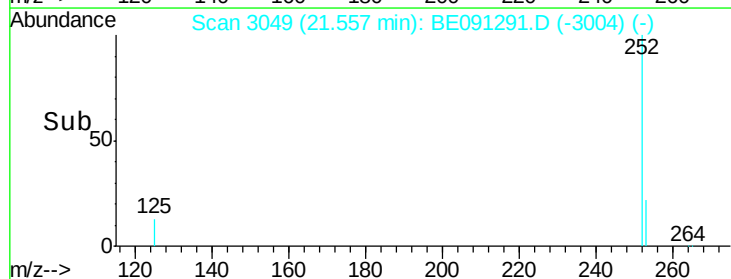
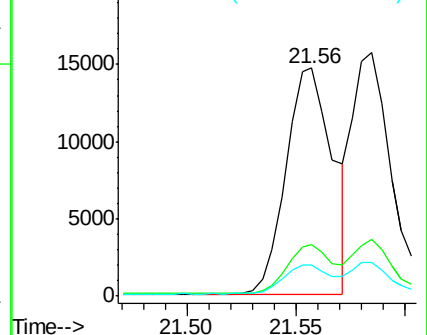
125 13.6 0.0 36.6

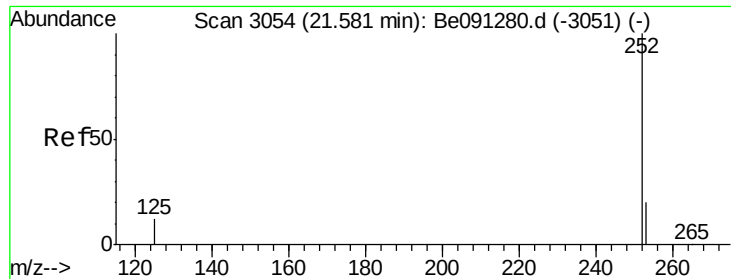


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

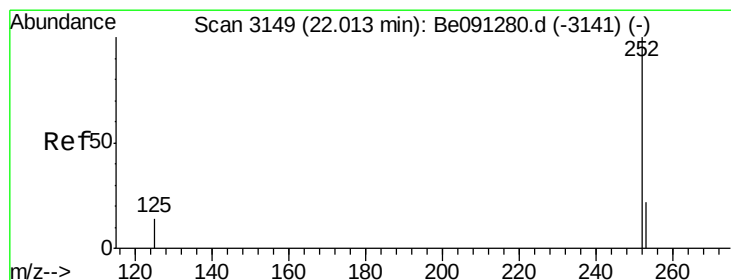
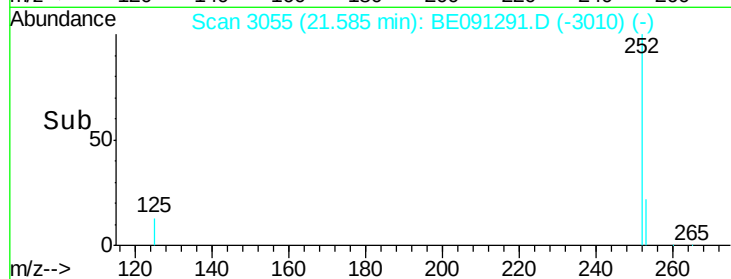
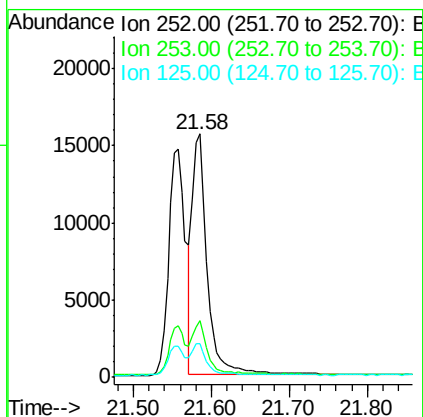
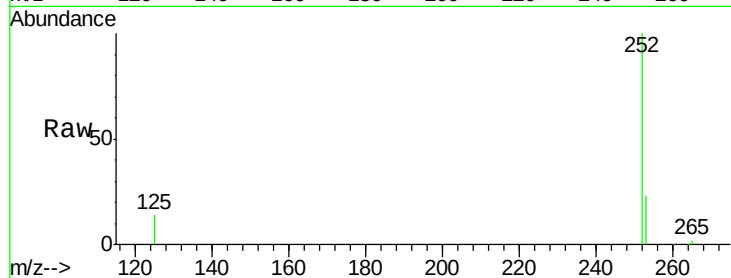




#24
Benzo(k)fluoranthene
Concen: 0.40 ng/ul
RT: 21.58 min Scan# 3055
Delta R.T. 0.00 min
Lab File: BE091291.D
Acq: 22 Nov 2015 00:09

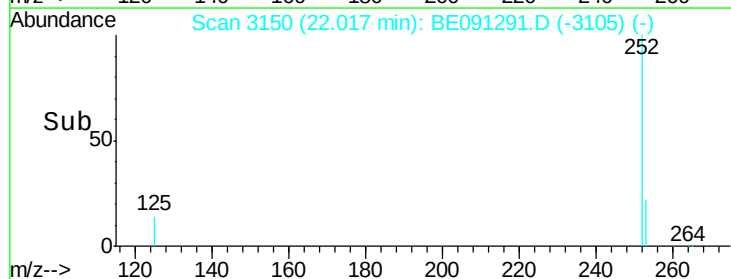
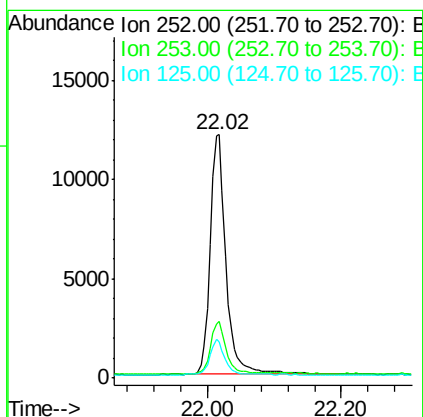
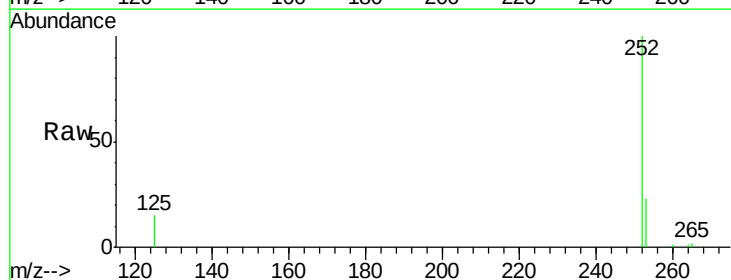
Instrument :
BNA_E
ClientSampleId :
SSTD0.484

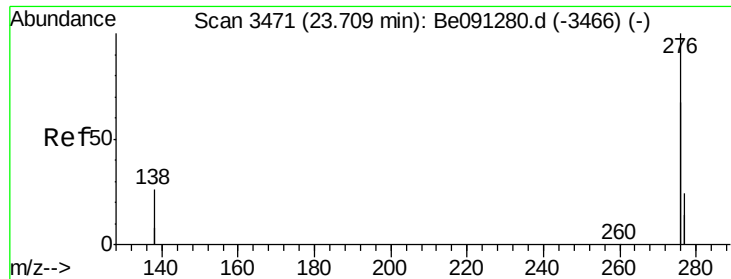
Tgt Ion:252 Resp: 20990
Ion Ratio Lower Upper
252 100
253 23.2 20.8 31.2
125 13.7 12.2 18.4



#25
Benzo(a)pyrene
Concen: 0.43 ng/ul
RT: 22.02 min Scan# 3150
Delta R.T. 0.00 min
Lab File: BE091291.D
Acq: 22 Nov 2015 00:09

Tgt Ion:252 Resp: 20134
Ion Ratio Lower Upper
252 100
253 23.2 21.8 32.8
125 14.9 14.5 21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng/ul

RT: 23.71 min Scan# 3472

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

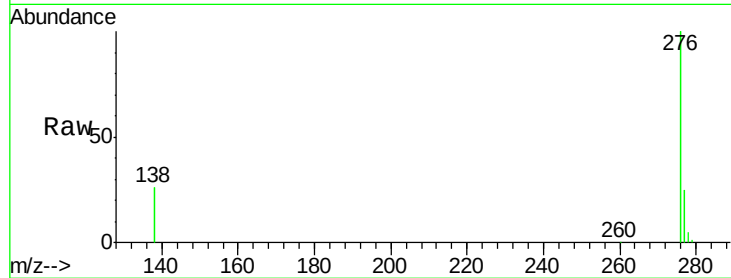
Tgt Ion:276 Resp: 78838

Ion Ratio Lower Upper

276 100

138 25.6 27.5 41.3#

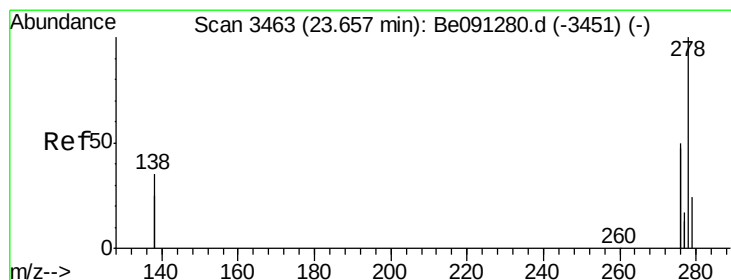
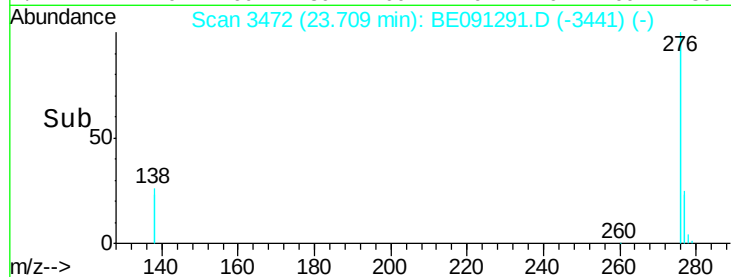
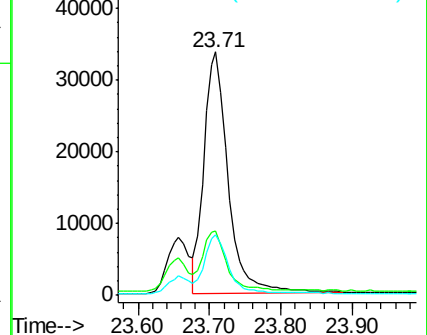
277 24.1 19.3 28.9



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: 0.42 ng/ul

RT: 23.66 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

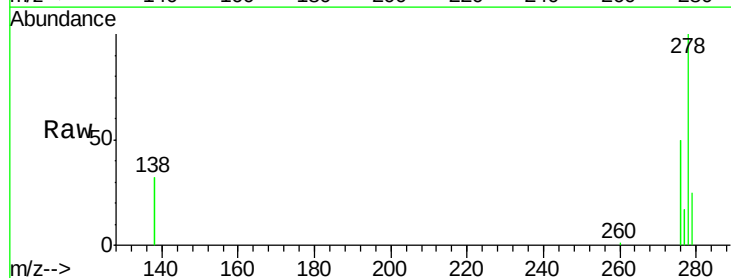
Tgt Ion:278 Resp: 19709

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

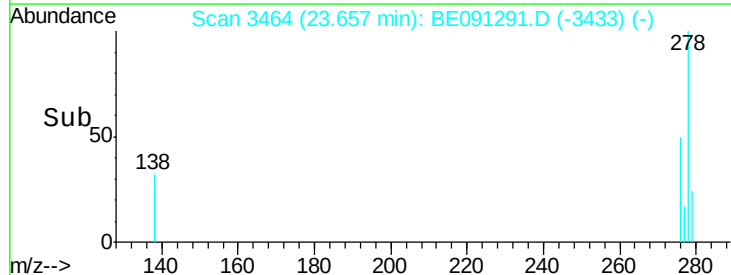
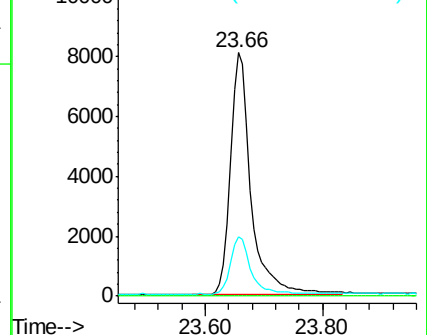
279 24.6 21.9 32.9

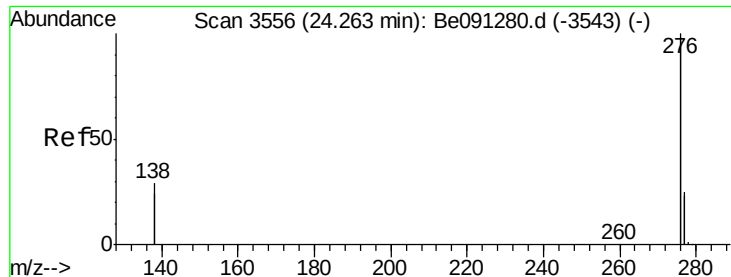


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.40 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091291.D

Acq: 22 Nov 2015 00:09

Instrument :

BNA_E

ClientSampleId :

SSTD0.484

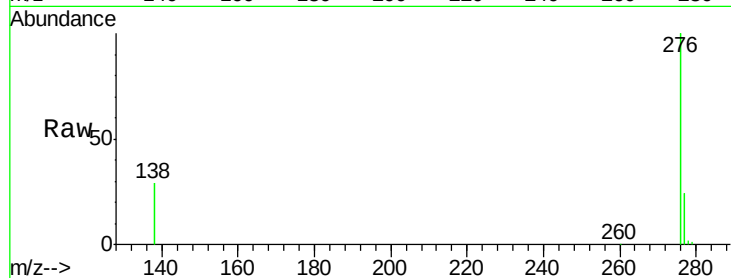
Tgt Ion: 276 Resp: 84212

Ion Ratio Lower Upper

276 100

277 24.2 21.3 31.9

138 28.5 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

