

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091280.D
 Acq On : 21 Nov 2015 17:18
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.483

Quant Time: Nov 22 01:34:39 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	6.89	152	2862	0.40	ng/ul	0.00
4) Naphthalene-d8	9.56	136	13635	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	6655	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	17041	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	18359	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	15833	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	4384	2.13	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.06	152	7190	0.39	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	17164	0.36	ng/ul	0.00

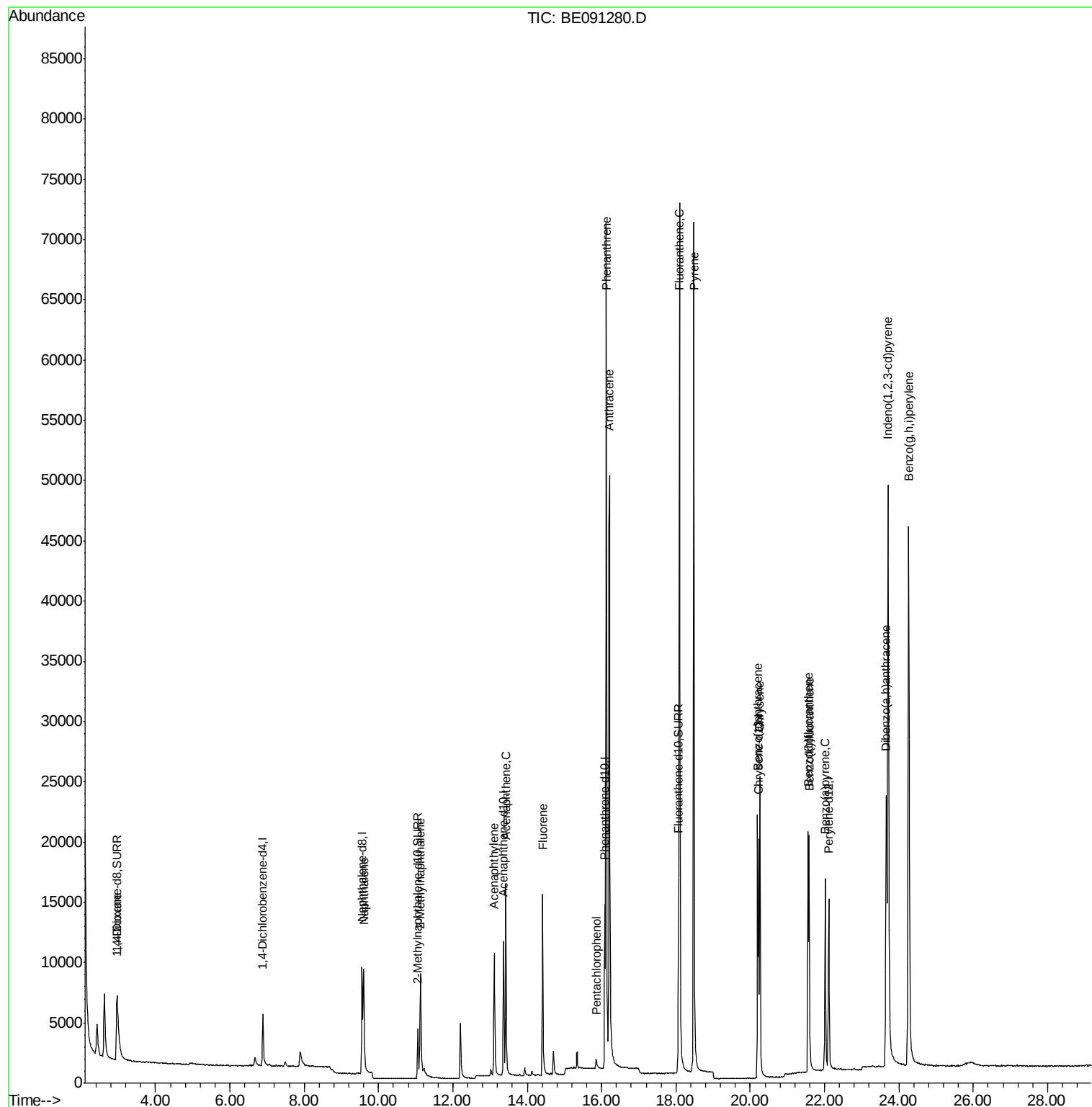
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.98	88	4788	2.06	ng/ul#	60
5) Naphthalene	9.60	128	13904	0.41	ng/ul	99
7) 2-Methylnaphthalene	11.12	142	8454	0.39	ng/ul	89
9) Acenaphthylene	13.11	152	13913	0.42	ng/ul	99
10) Acenaphthene	13.42	153	9668	0.42	ng/ul	90
11) Fluorene	14.42	166	11775	0.40	ng/ul	90
13) Pentachlorophenol	15.86	266	920	0.57	ng/ul	93
14) Phenanthrene	16.12	178	78085	0.40	ng/ul	98
15) Anthracene	16.21	178	73555	0.41	ng/ul	97
17) Fluoranthene	18.10	202	89237	0.39	ng/ul	89
19) Pyrene	18.48	202	85662	0.41	ng/ul#	80
20) Benzo(a)anthracene	20.20	228	18946	0.40	ng/ul	99
21) Chrysene	20.26	228	22544	0.42	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	18982	0.38	ng/ul	95
24) Benzo(k)fluoranthene	21.58	252	22274	0.44	ng/ul	95
25) Benzo(a)pyrene	22.01	252	19521	0.43	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.71	276	75349	0.39	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.66	278	18684	0.41	ng/ul#	72
28) Benzo(g,h,i)perylene	24.26	276	80721	0.40	ng/ul	96

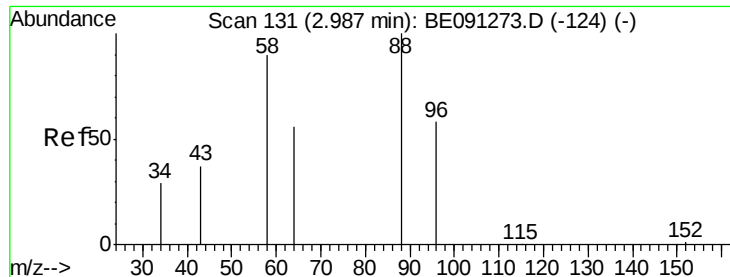
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.06 ng/ul

RT: 2.98 min Scan# 130

Delta R.T. -0.01 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

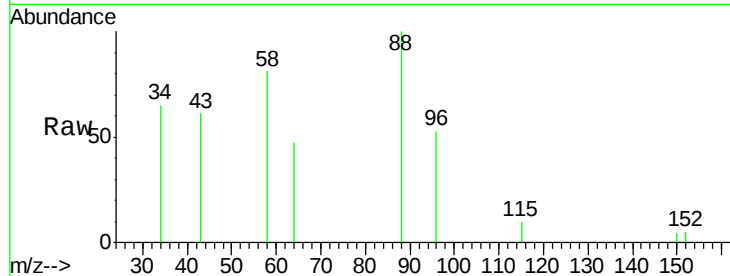
Tgt Ion: 88 Resp: 4788

Ion Ratio Lower Upper

88 100

58 103.7 55.4 83.2#

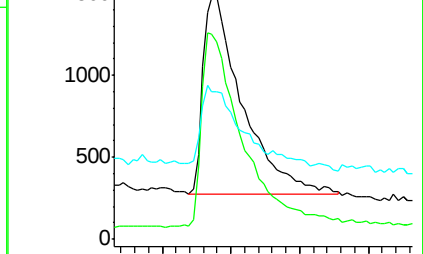
43 49.6 24.2 36.2#



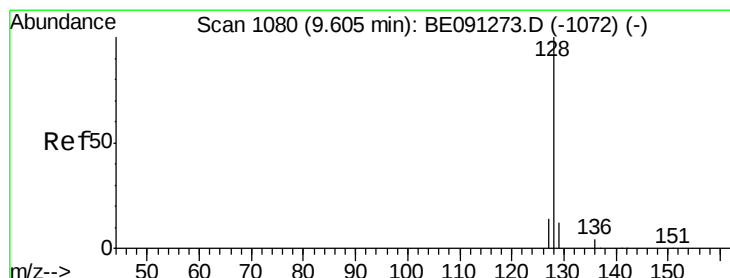
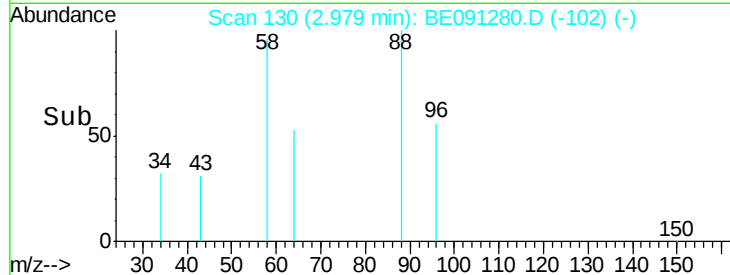
Abundance Ion 88.00 (87.70 to 88.70): BE091280.D (-102) (-)

Ion 58.00 (57.70 to 58.70): BE091280.D (-102) (-)

Ion 43.00 (42.70 to 43.70): BE091280.D (-102) (-)



Time-->



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

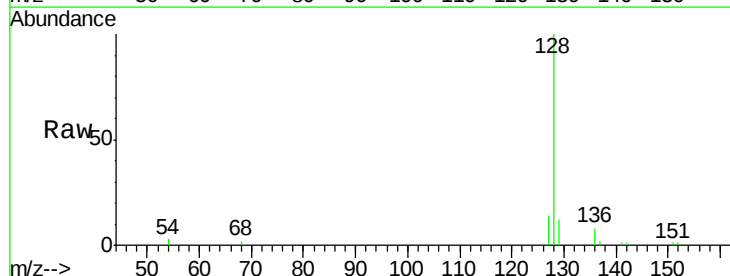
Tgt Ion: 128 Resp: 13904

Ion Ratio Lower Upper

128 100

129 11.6 9.8 14.8

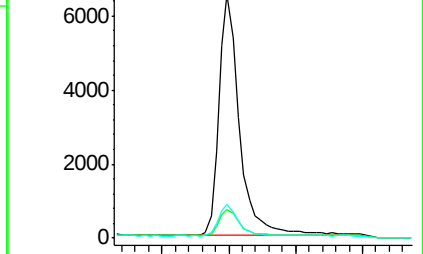
127 13.8 10.7 16.1



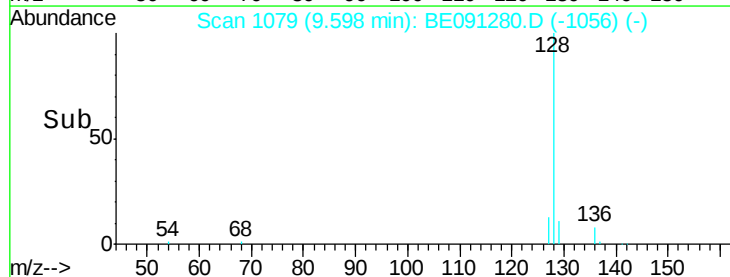
Abundance Ion 128.00 (127.70 to 128.70): BE091280.D (-1056) (-)

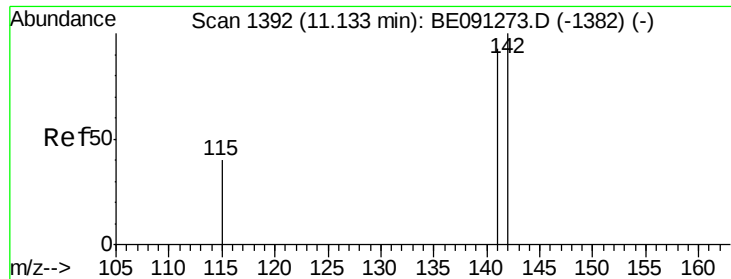
Ion 129.00 (128.70 to 129.70): BE091280.D (-1056) (-)

Ion 127.00 (126.70 to 127.70): BE091280.D (-1056) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 11.12 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

Instrument :

BNA_E

ClientSampleId :

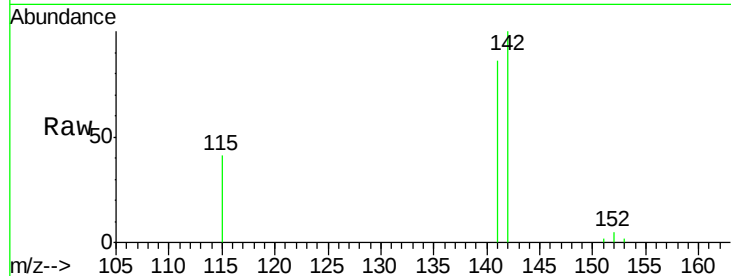
SSTD0.483

Tgt Ion:142 Resp: 8454

Ion Ratio Lower Upper

142 100

141 97.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.12

4000

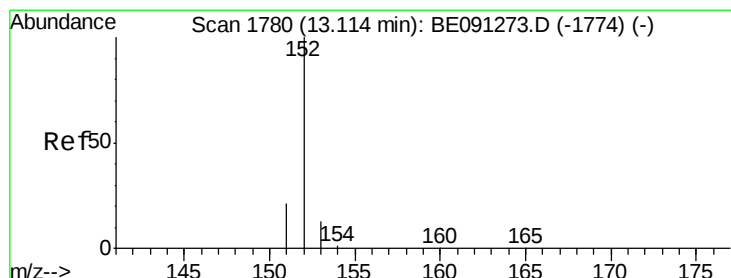
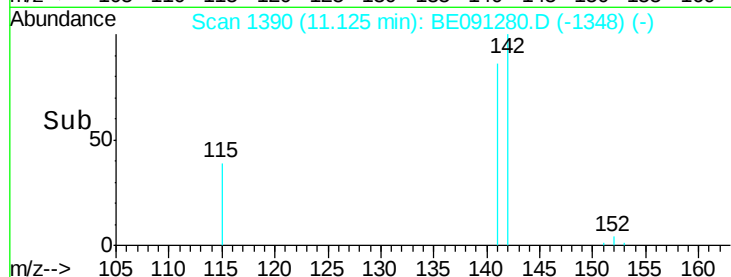
3000

2000

1000

0

Time--> 11.10 11.20



#9

Acenaphthylene

Concen: 0.42 ng/ul

RT: 13.11 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

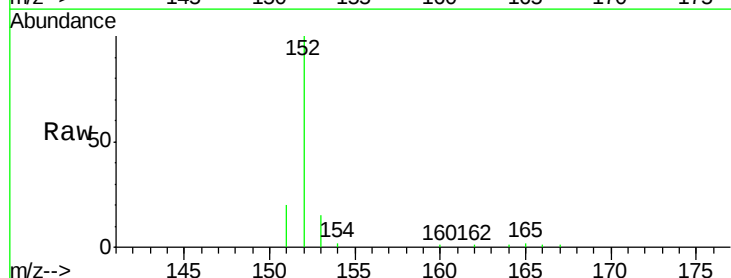
Tgt Ion:152 Resp: 13913

Ion Ratio Lower Upper

152 100

151 20.4 16.8 25.2

153 14.6 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

13.11

10000

8000

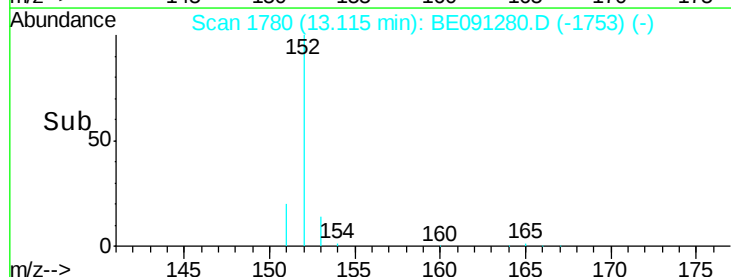
6000

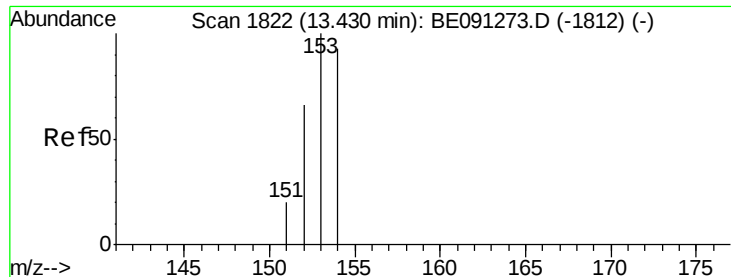
4000

2000

0

Time--> 13.00 13.20





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

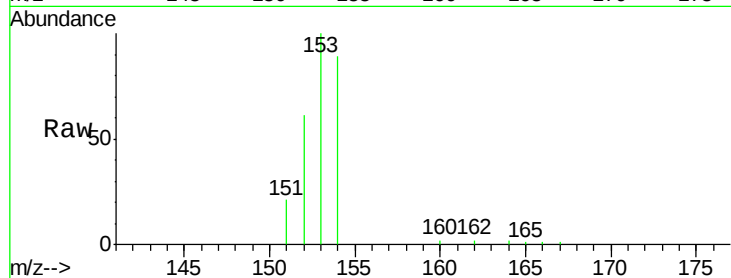
Tgt Ion:153 Resp: 9668

Ion Ratio Lower Upper

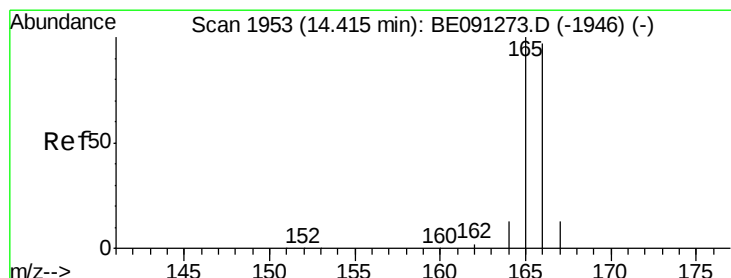
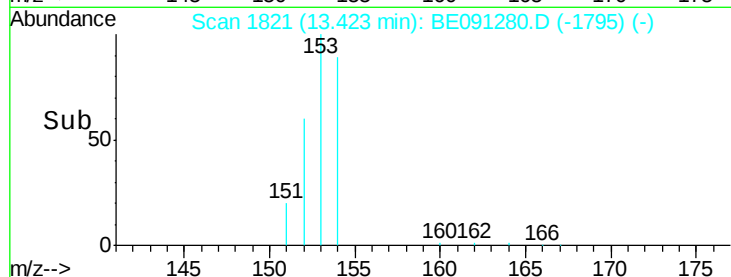
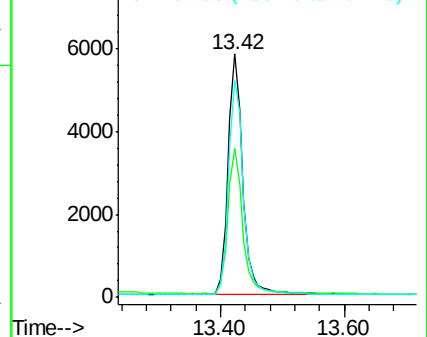
153 100

152 61.3 42.3 63.5

154 88.8 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: 0.40 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

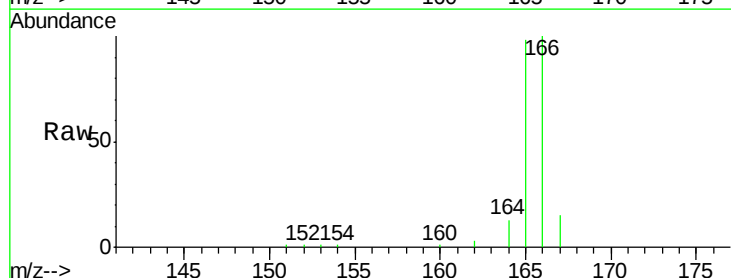
Tgt Ion:166 Resp: 11775

Ion Ratio Lower Upper

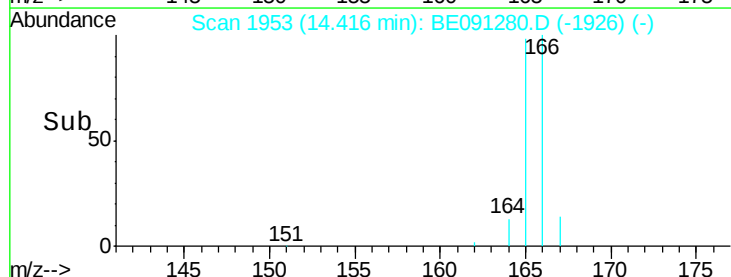
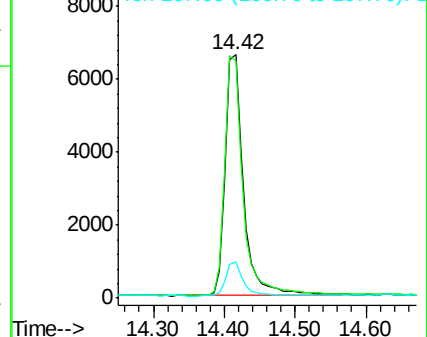
166 100

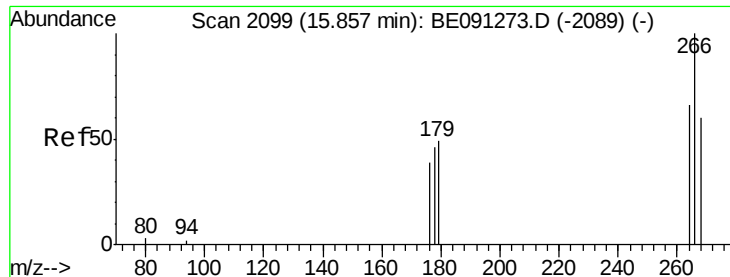
165 97.6 87.6 131.4

167 14.8 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

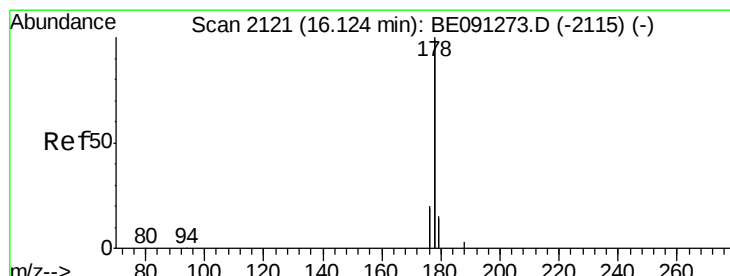
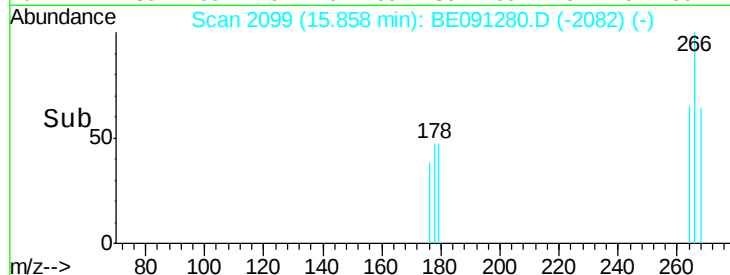
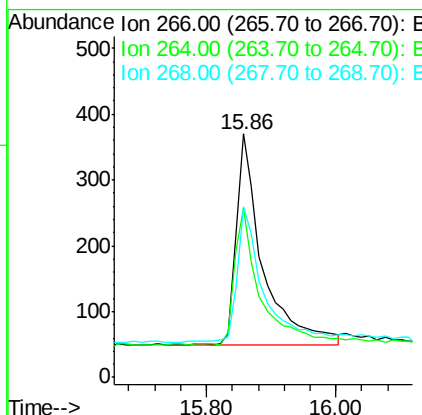
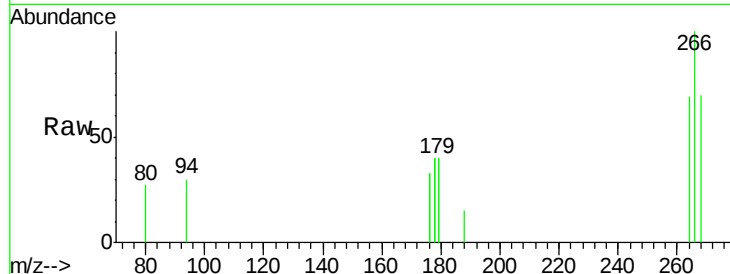




#13
 Pentachlorophenol
 Concen: 0.57 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BE091280.D
 Acq: 21 Nov 2015 17:18

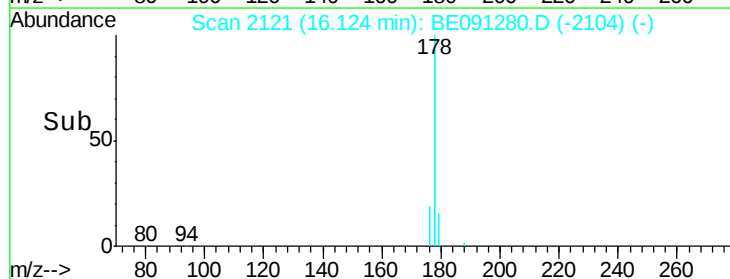
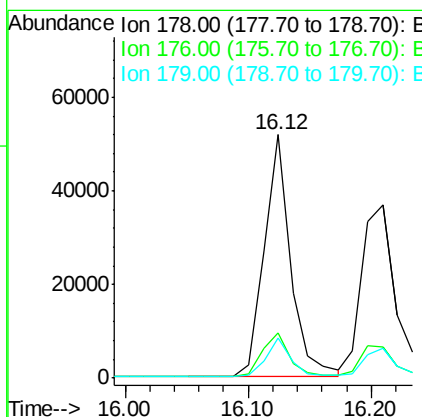
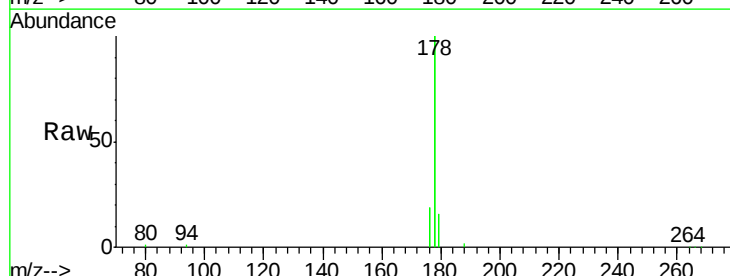
Instrument :
 BNA_E
 ClientSampleId :
 SST0.483

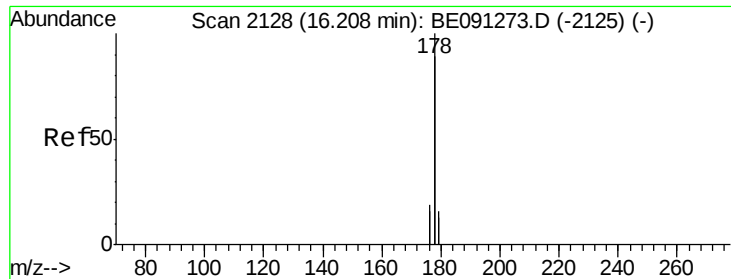
Tgt Ion: 266 Resp: 920
 Ion Ratio Lower Upper
 266 100
 264 61.7 53.5 80.3
 268 62.3 54.2 81.2



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091280.D
 Acq: 21 Nov 2015 17:18

Tgt Ion: 178 Resp: 78085
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.2 24.4
 179 16.2 12.8 19.2





#15

Anthracene

Concen: 0.41 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

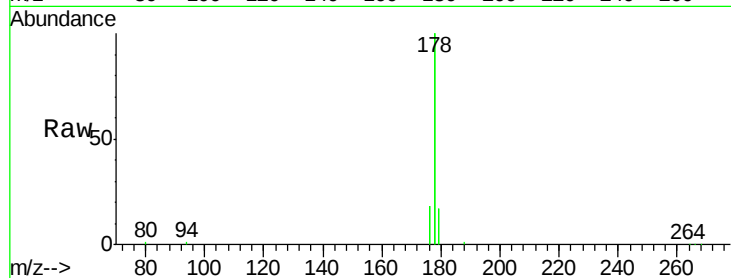
Tgt Ion:178 Resp: 73555

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

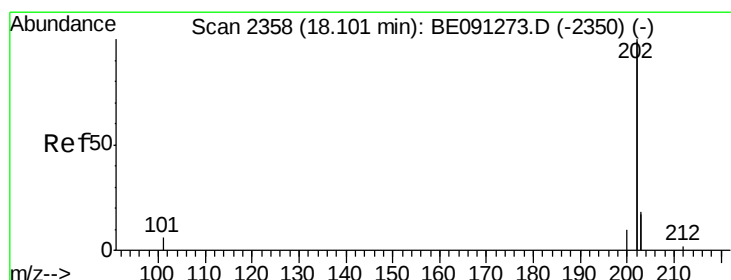
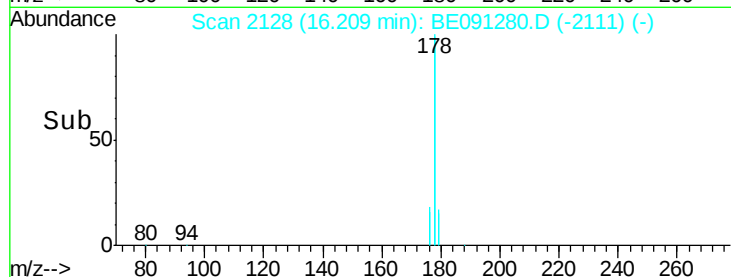
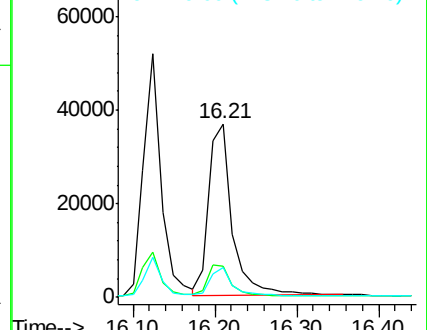
179 16.9 13.3 19.9



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: 0.39 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

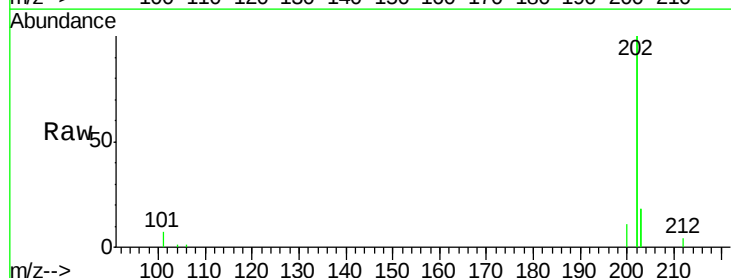
Tgt Ion:202 Resp: 89237

Ion Ratio Lower Upper

202 100

101 3.5 0.0 33.1

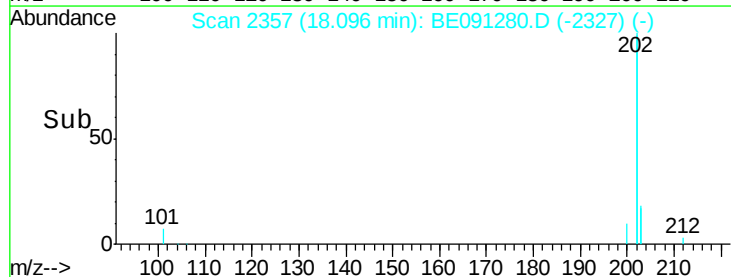
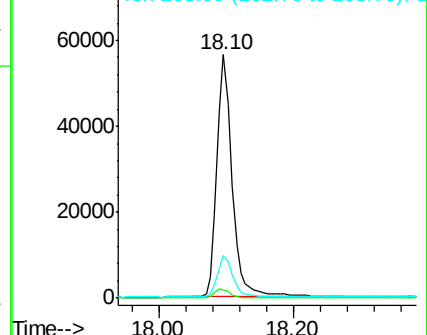
203 17.5 0.0 37.2

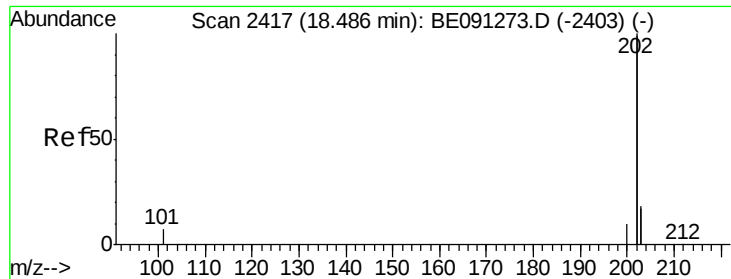


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

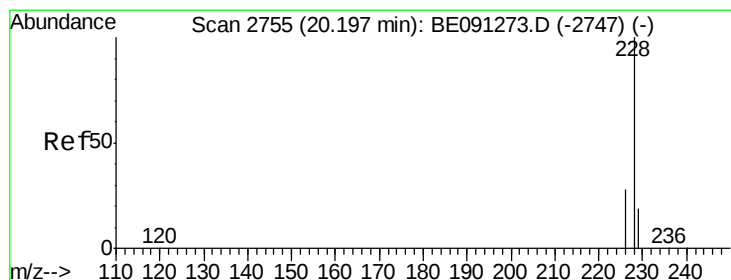
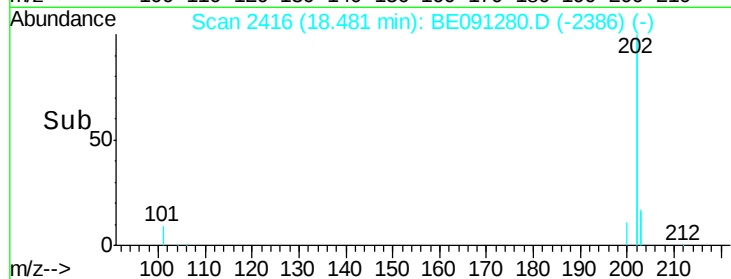
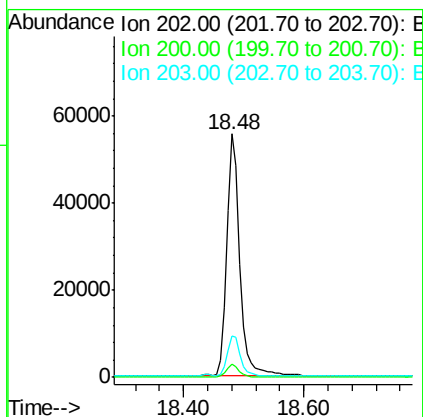
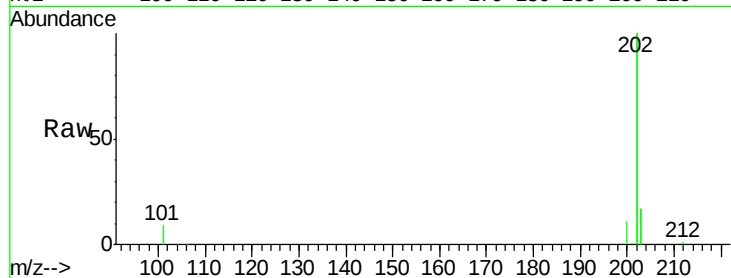
Tgt Ion:202 Resp: 85662

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 17.2 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: BE091280.D

Acq: 21 Nov 2015 17:18

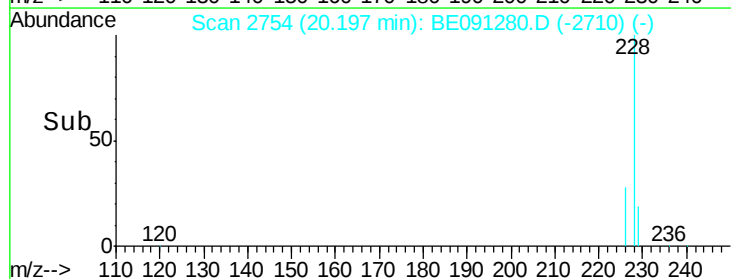
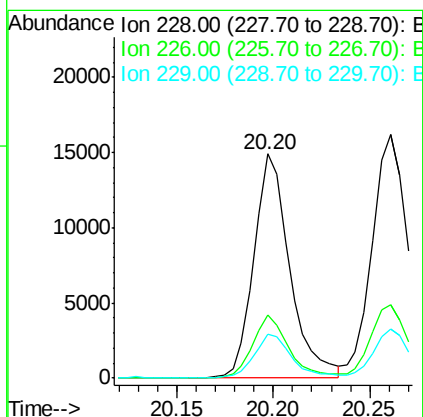
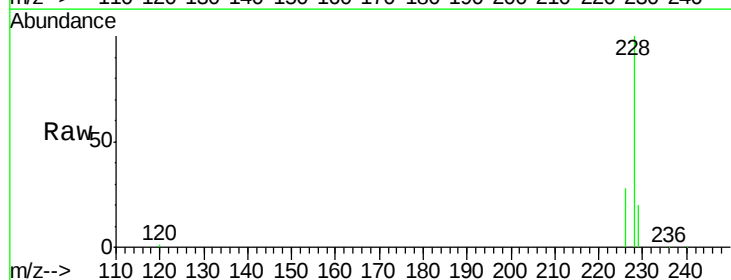
Tgt Ion:228 Resp: 18946

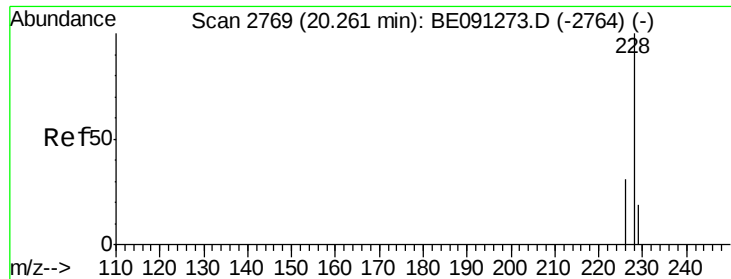
Ion Ratio Lower Upper

228 100

226 28.1 23.0 34.4

229 19.7 15.2 22.8





#21

Chrysene

Concen: 0.42 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

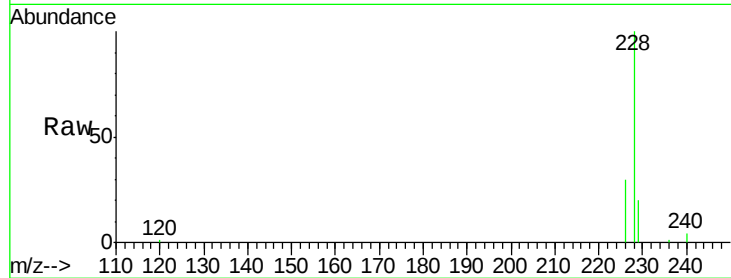
Tgt Ion:228 Resp: 22544

Ion Ratio Lower Upper

228 100

226 30.3 25.7 38.5

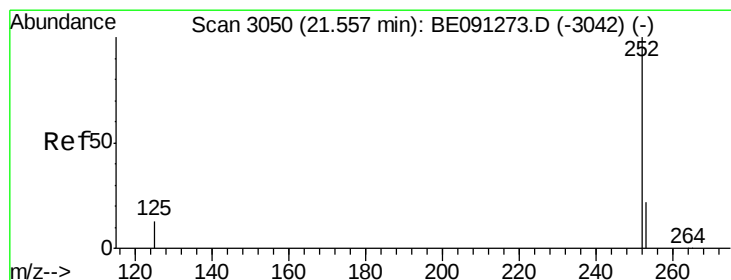
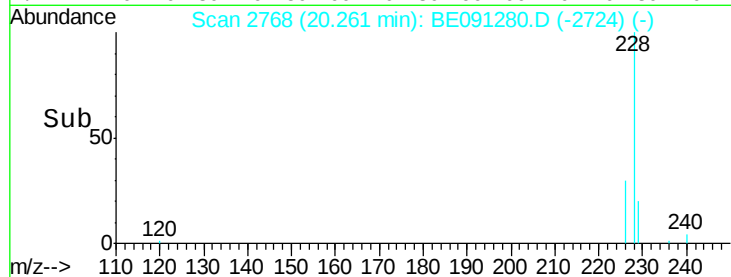
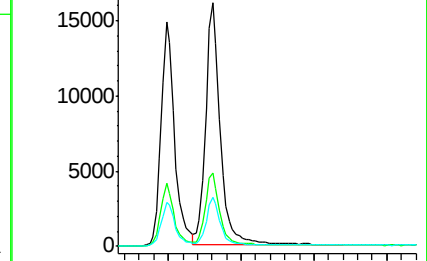
229 20.3 15.2 22.8



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: 0.38 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.00 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

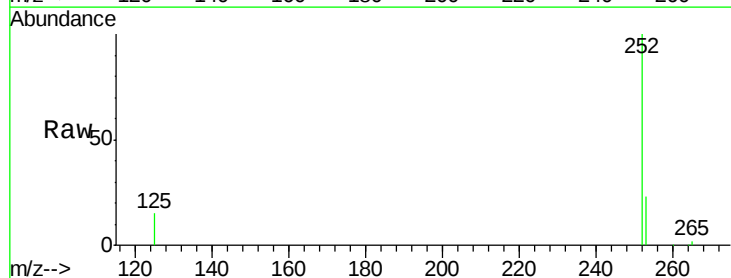
Tgt Ion:252 Resp: 18982

Ion Ratio Lower Upper

252 100

253 22.6 0.0 48.0

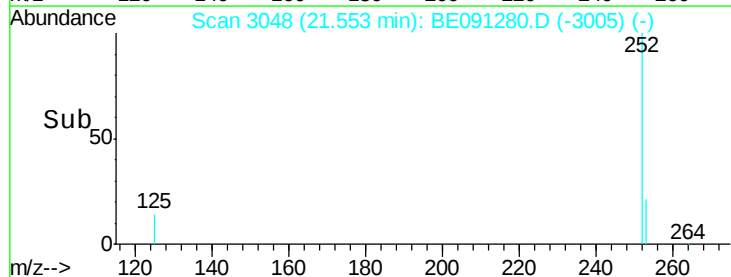
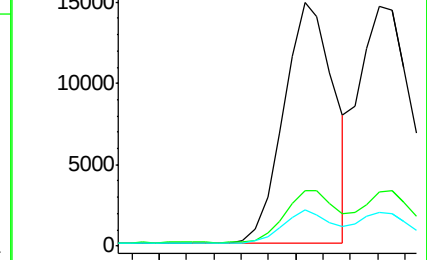
125 14.8 0.0 36.6

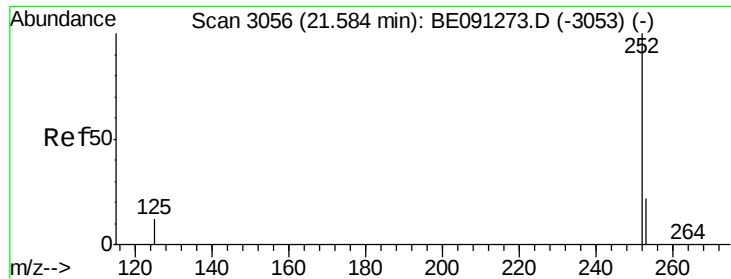


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.44 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.00 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

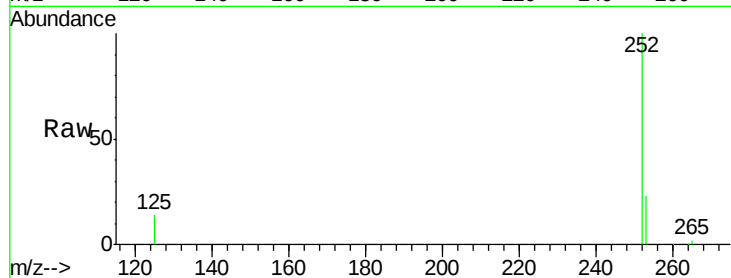
Tgt Ion:252 Resp: 22274

Ion Ratio Lower Upper

252 100

253 22.8 20.8 31.2

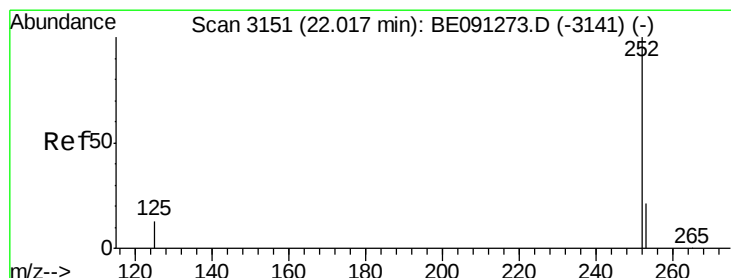
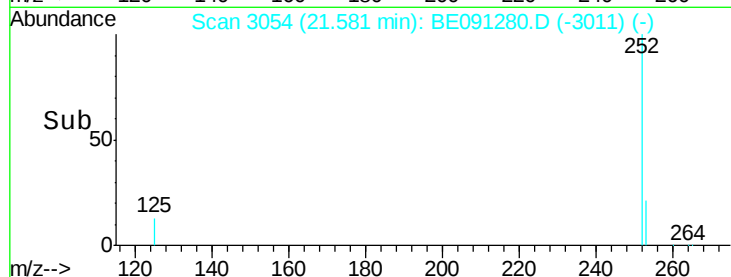
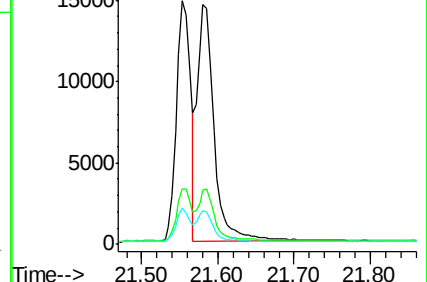
125 13.8 12.2 18.4



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: 0.43 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091280.D

Acq: 21 Nov 2015 17:18

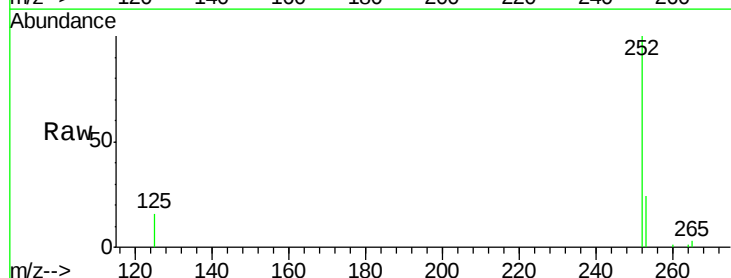
Tgt Ion:252 Resp: 19521

Ion Ratio Lower Upper

252 100

253 23.7 21.8 32.8

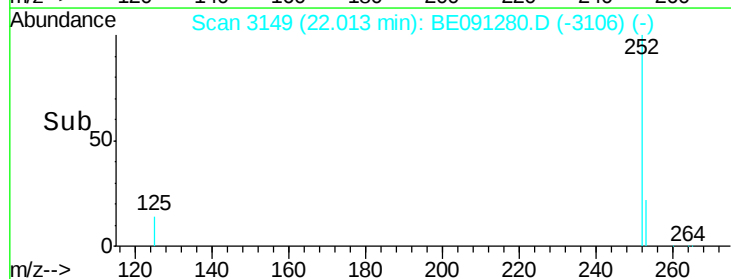
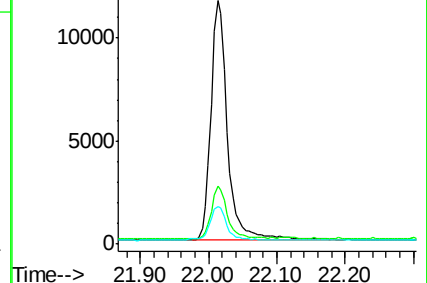
125 15.7 14.5 21.7

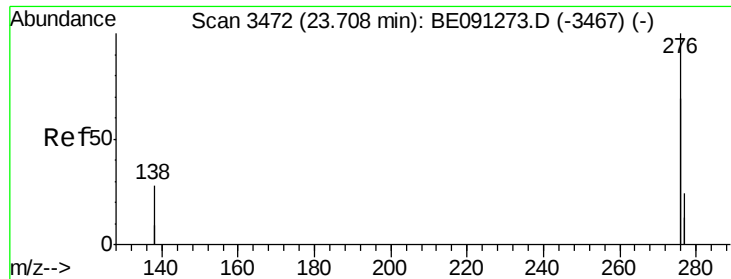


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

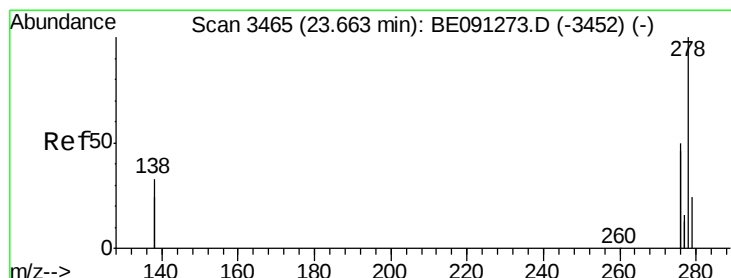
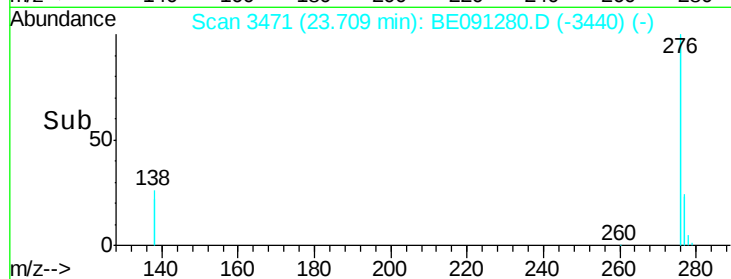
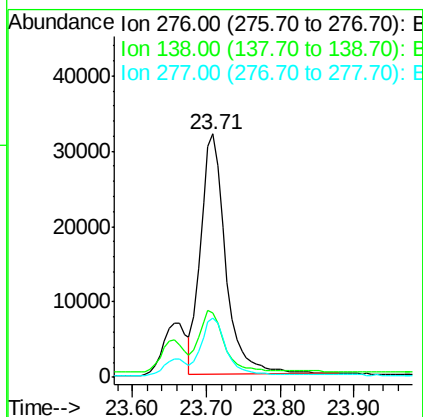
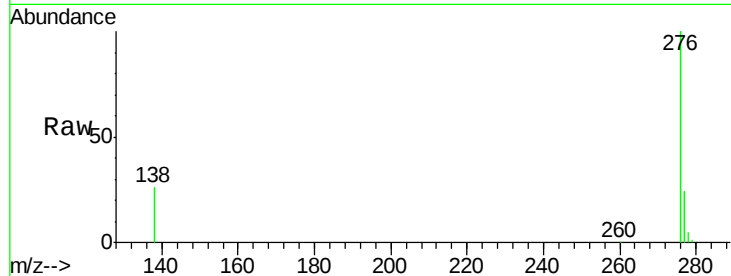




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.39 ng/ul
 RT: 23.71 min Scan# 3471
 Delta R.T. 0.00 min
 Lab File: BE091280.D
 Acq: 21 Nov 2015 17:18

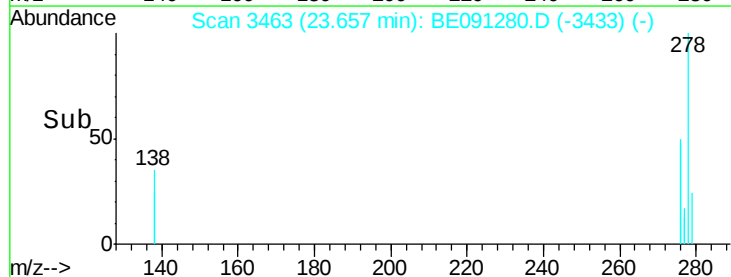
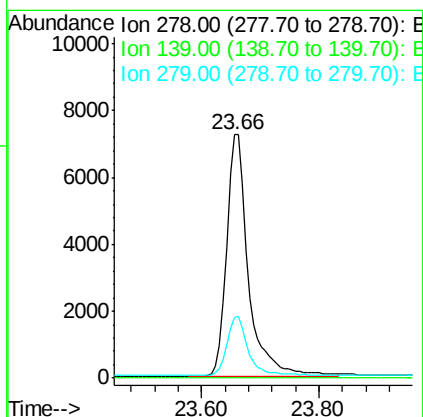
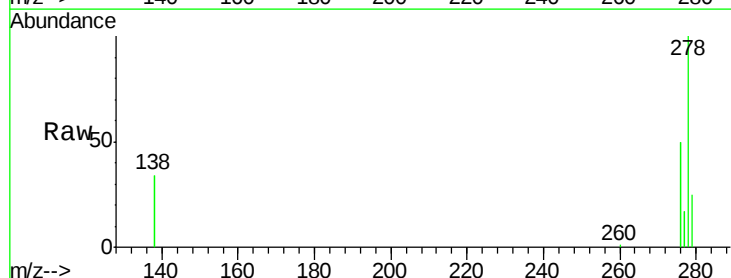
Instrument :
 BNA_E
 ClientSampleId :
 SST0.483

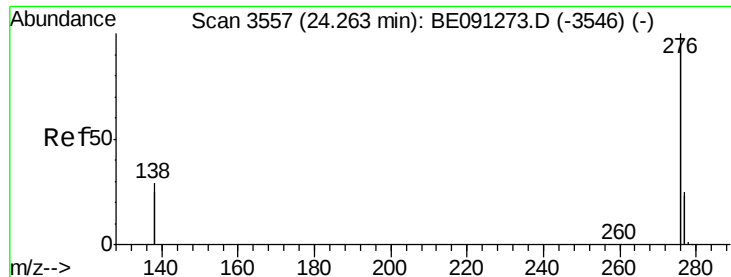
Tgt Ion: 276 Resp: 75349
 Ion Ratio Lower Upper
 276 100
 138 26.3 27.5 41.3#
 277 24.1 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.41 ng/ul
 RT: 23.66 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BE091280.D
 Acq: 21 Nov 2015 17:18

Tgt Ion: 278 Resp: 18684
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 25.0 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.40 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. 0.00 min

Lab File: BE091280.D

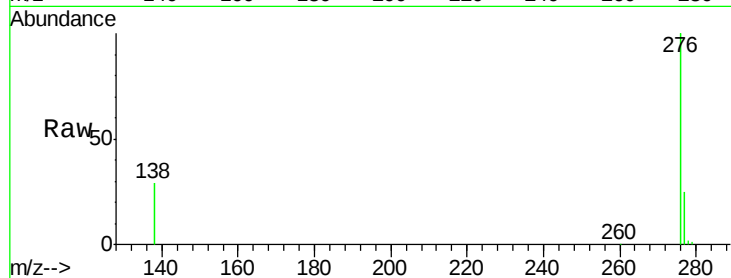
Acq: 21 Nov 2015 17:18

Instrument :

BNA_E

ClientSampleId :

SSTD0.483



Tgt Ion: 276 Resp: 80721

Ion Ratio Lower Upper

276 100

277 25.2 21.3 31.9

138 28.7 25.5 38.3

