

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091313.D
 Acq On : 23 Nov 2015 23:15
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.488

Quant Time: Nov 24 02:55:30 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 : Tue Nov 24 02:51:08 2015
 Response via : Initial Calibration

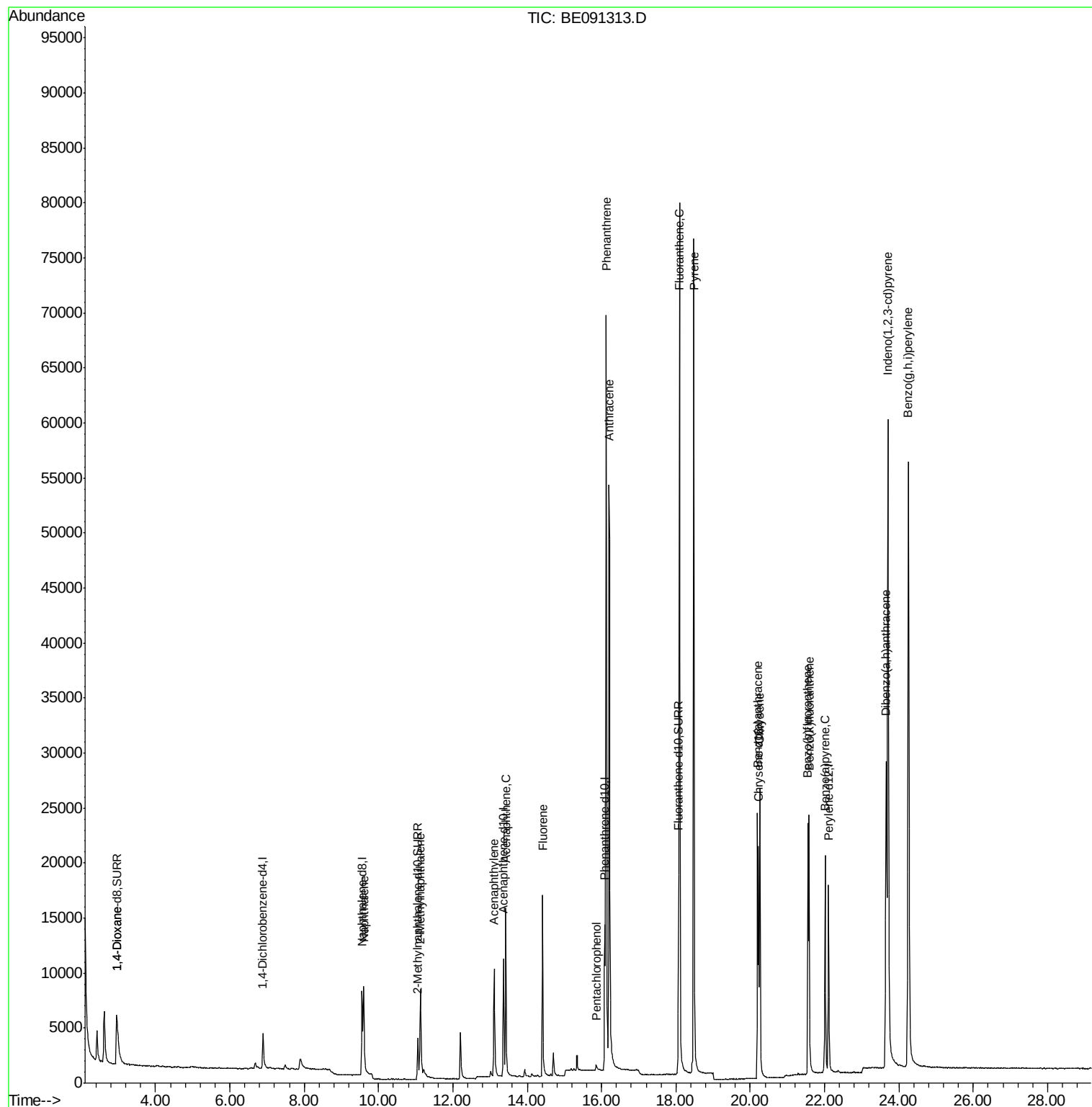
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2415	0.40	ng/ul	0.00
4) Naphthalene-d8	9.56	136	12362	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	6379	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	17373	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	19939	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	18506	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	3683	2.12	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.06	152	6700	0.40	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	18648	0.38	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.97	88	4147	2.11	ng/ul#	65
5) Naphthalene	9.60	128	12772	0.42	ng/ul	100
7) 2-Methylnaphthalene	11.13	142	7757	0.39	ng/ul	88
9) Acenaphthylene	13.12	152	13827	0.43	ng/ul	98
10) Acenaphthene	13.42	153	9591	0.44	ng/ul	86
11) Fluorene	14.41	166	11933	0.43	ng/ul	97
13) Pentachlorophenol	15.86	266	690	0.42	ng/ul	95
14) Phenanthrene	16.13	178	83234	0.41	ng/ul	97
15) Anthracene	16.20	178	77500	0.42	ng/ul	97
17) Fluoranthene	18.09	202	96227	0.41	ng/ul	90
19) Pyrene	18.48	202	91780	0.41	ng/ul#	80
20) Benzo(a)anthracene	20.20	228	21435	0.42	ng/ul	97
21) Chrysene	20.26	228	24917	0.42	ng/ul	99
23) Benzo(b)fluoranthene	21.55	252	22390	0.39	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	25161	0.42	ng/ul	94
25) Benzo(a)pyrene	22.01	252	22828	0.43	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.70	276	88655	0.40	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.66	278	21737	0.41	ng/ul#	71
28) Benzo(g,h,i)perylene	24.25	276	93447	0.40	ng/ul	95

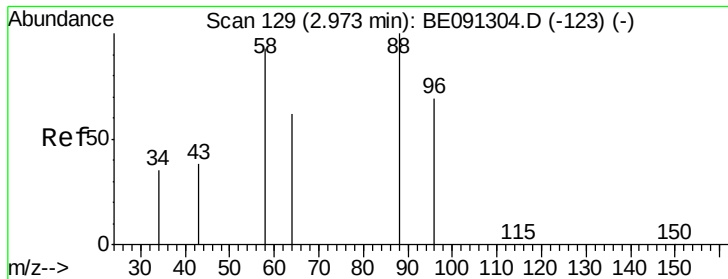
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
Data File : BE091313.D
Acq On : 23 Nov 2015 23:15
Operator : UM/NP
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
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SSTD0.488

Quant Time: Nov 24 02:55:30 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 : Tue Nov 24 02:51:08 2015
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#3

1,4-Dioxane

Concen: 2.11 ng/ul

RT: 2.97 min Scan# 128

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.488

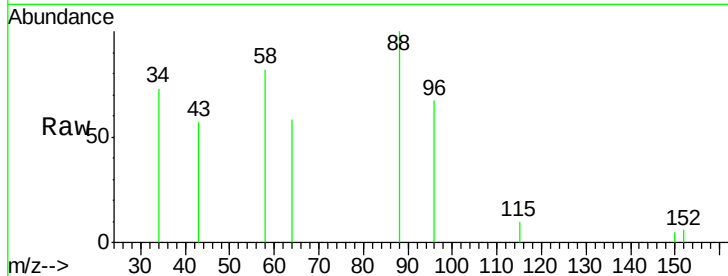
Tgt Ion: 88 Resp: 4147

Ion Ratio Lower Upper

88 100

58 101.1 55.4 83.2#

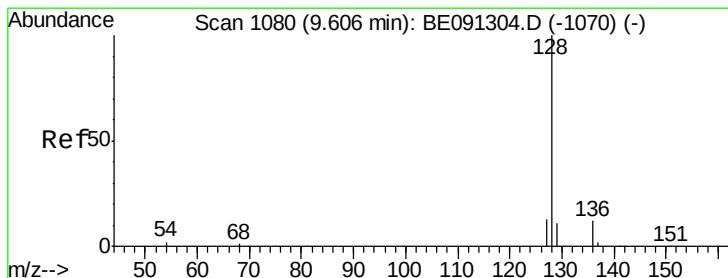
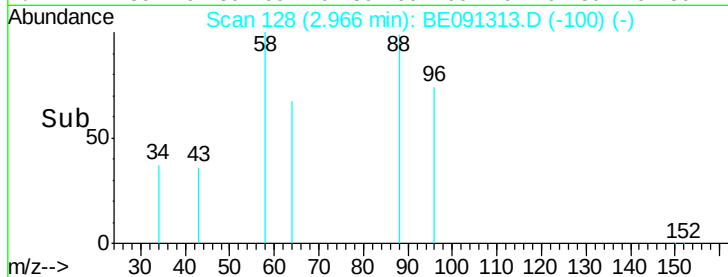
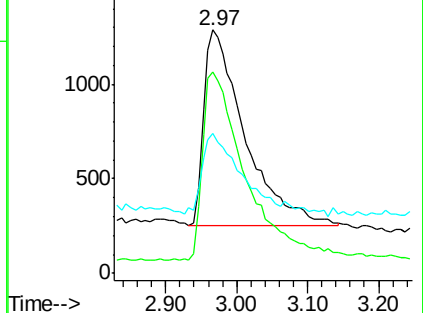
43 44.3 24.2 36.2#



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: 0.42 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

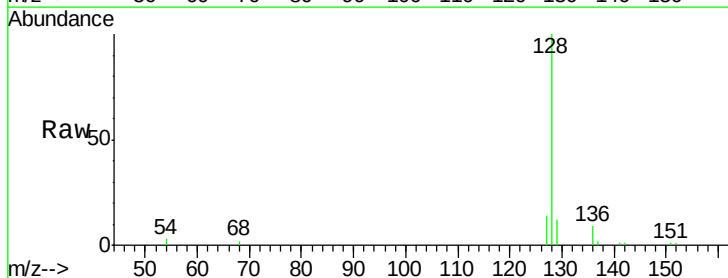
Tgt Ion: 128 Resp: 12772

Ion Ratio Lower Upper

128 100

129 12.4 9.8 14.8

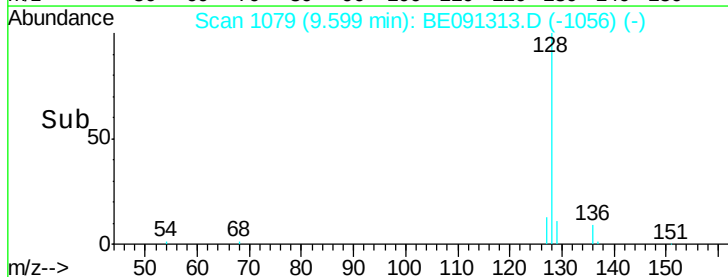
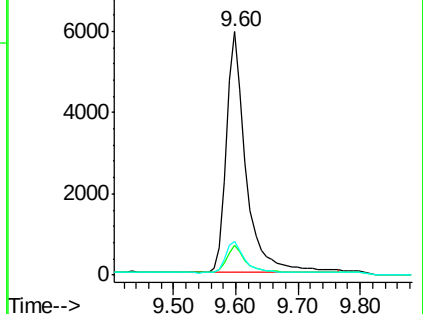
127 13.6 10.7 16.1

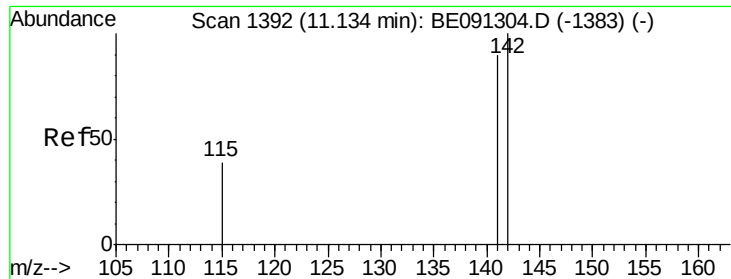


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 11.13 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

Instrument :

BNA_E

ClientSampleId :

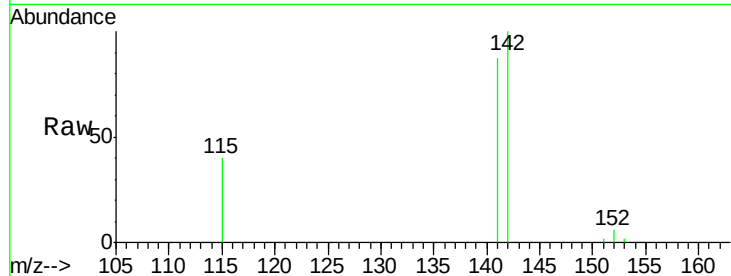
SSTD0.488

Tgt Ion:142 Resp: 7757

Ion Ratio Lower Upper

142 100

141 99.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.13

4000

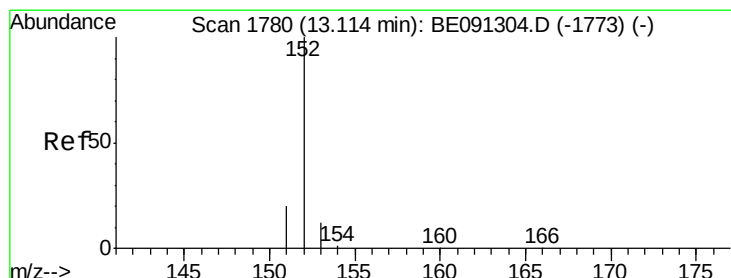
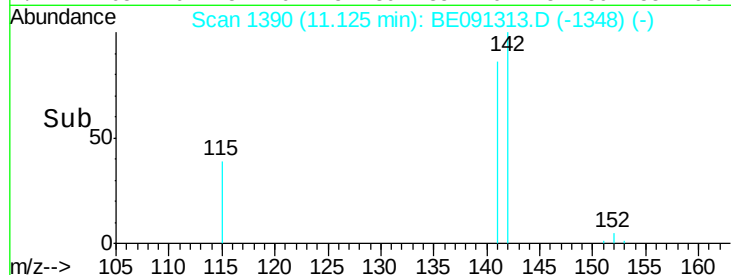
3000

2000

1000

0

Time-->



#9

Acenaphthylene

Concen: 0.43 ng/ul

RT: 13.12 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

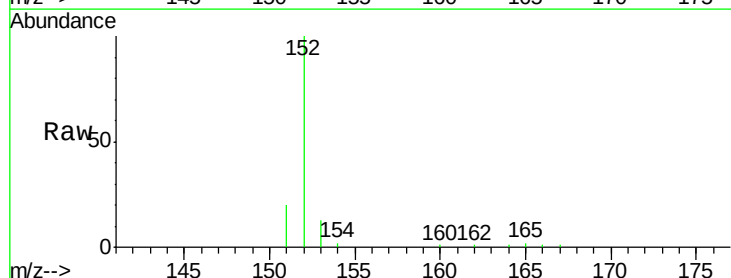
Tgt Ion:152 Resp: 13827

Ion Ratio Lower Upper

152 100

151 20.0 16.8 25.2

153 13.5 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

13.12

10000

8000

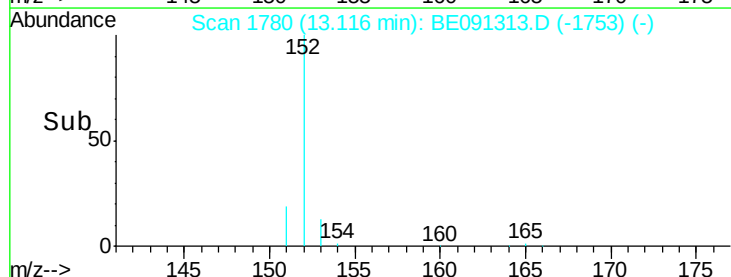
6000

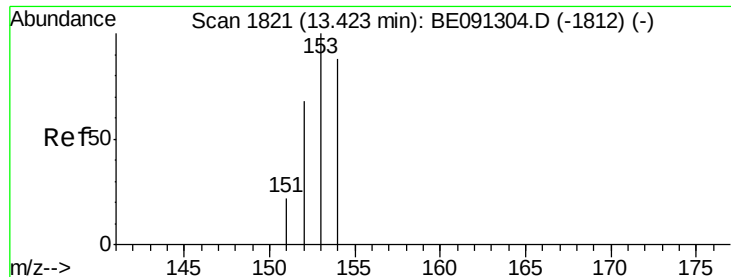
4000

2000

0

Time-->





#10

Acenaphthene

Concen: 0.44 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.488

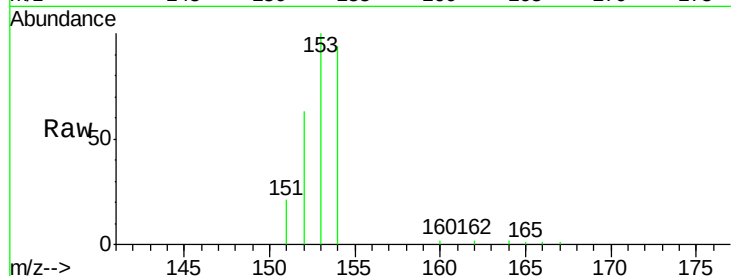
Tgt Ion:153 Resp: 9591

Ion Ratio Lower Upper

153 100

152 62.6 42.3 63.5

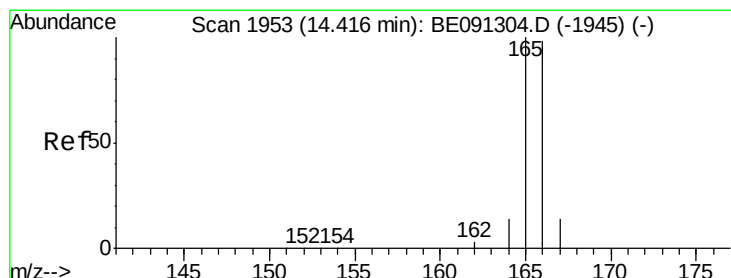
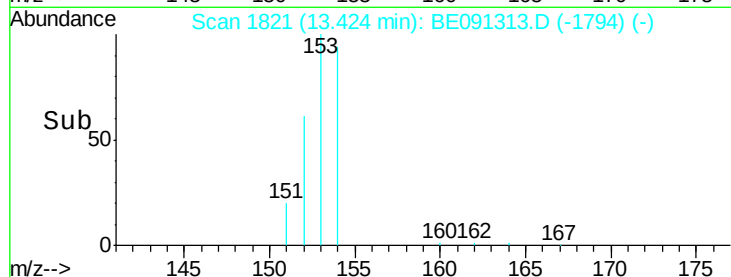
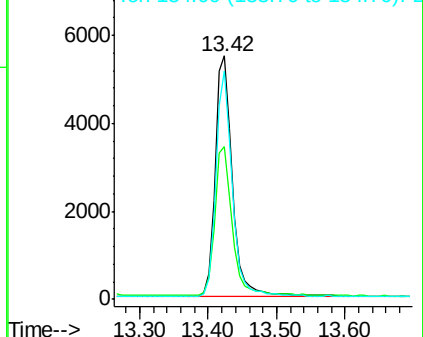
154 94.0 64.7 97.1



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: 0.43 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

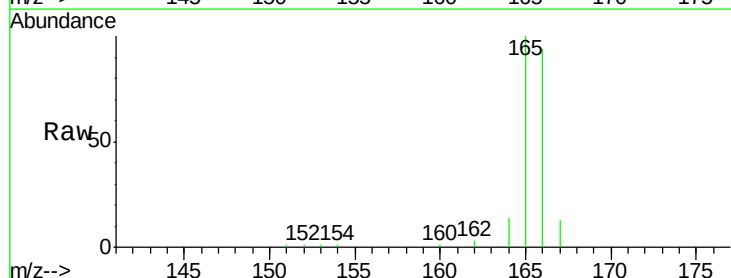
Tgt Ion:166 Resp: 11933

Ion Ratio Lower Upper

166 100

165 106.6 87.6 131.4

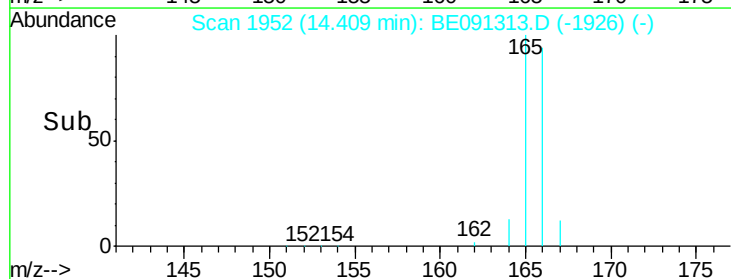
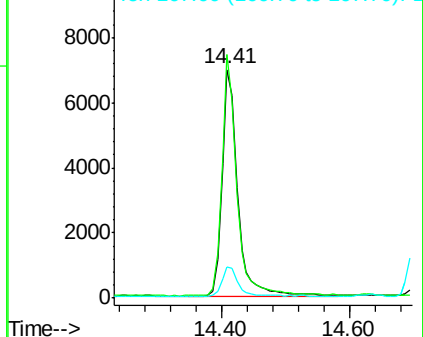
167 13.8 11.1 16.7

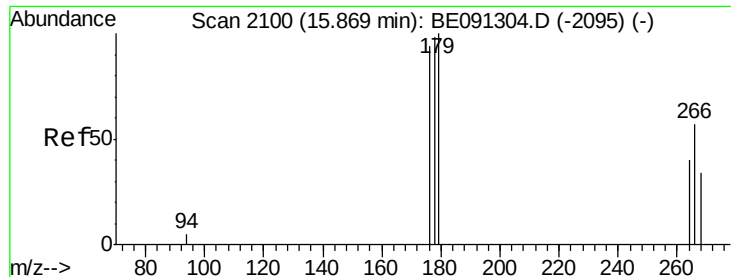


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

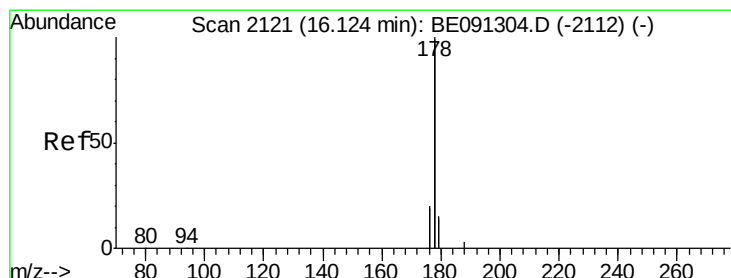
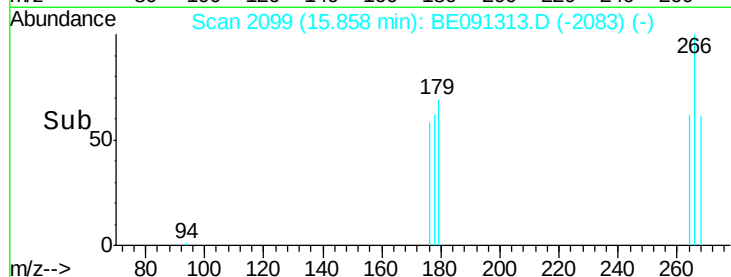
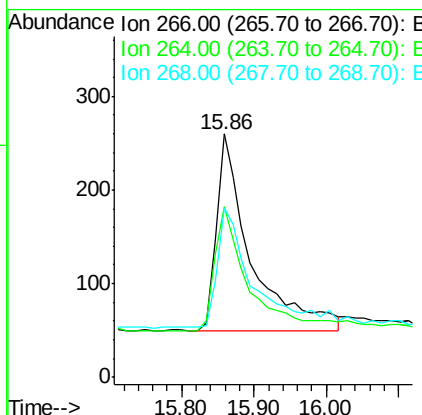
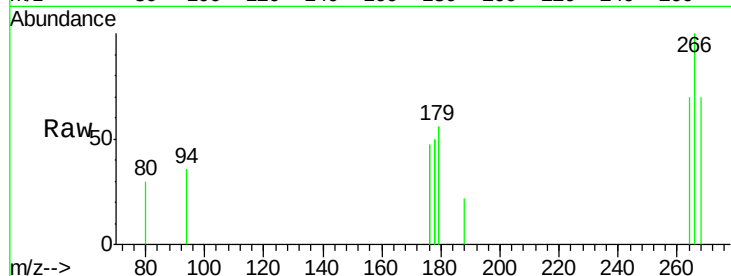




#13
 Pentachlorophenol
 Concen: 0.42 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BE091313.D
 Acq: 23 Nov 2015 23:15

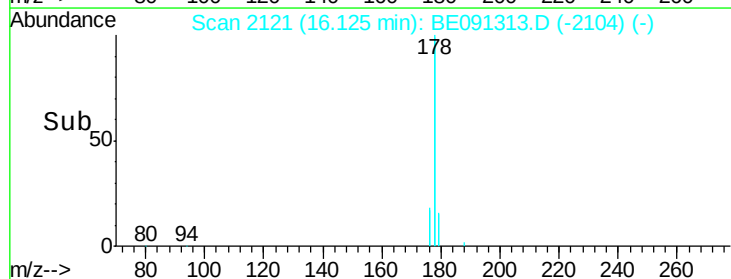
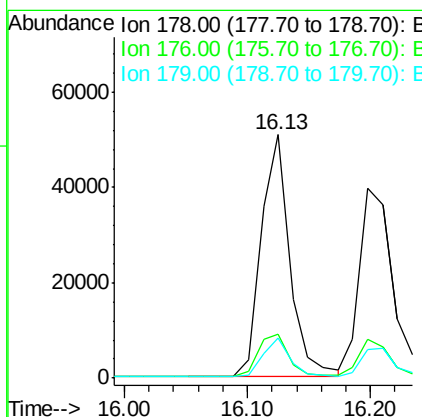
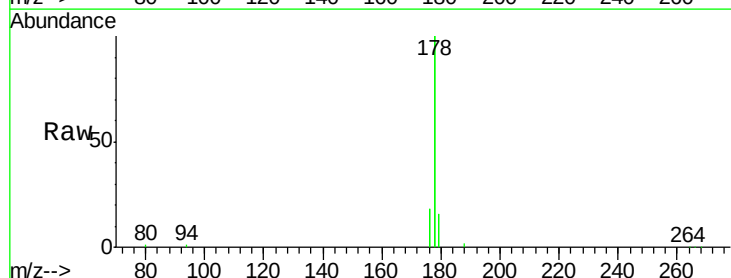
Instrument :
 BNA_E
 ClientSampleId :
 SST0.488

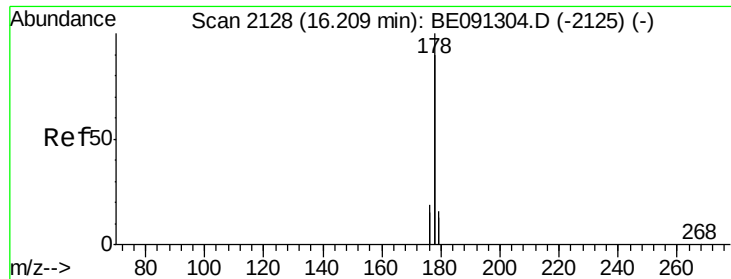
Tgt Ion: 266 Resp: 690
 Ion Ratio Lower Upper
 266 100
 264 62.2 53.5 80.3
 268 65.1 54.2 81.2



#14
 Phenanthrene
 Concen: 0.41 ng/ul
 RT: 16.13 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091313.D
 Acq: 23 Nov 2015 23:15

Tgt Ion: 178 Resp: 83234
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.2 24.4
 179 16.3 12.8 19.2





#15

Anthracene

Concen: 0.42 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.488

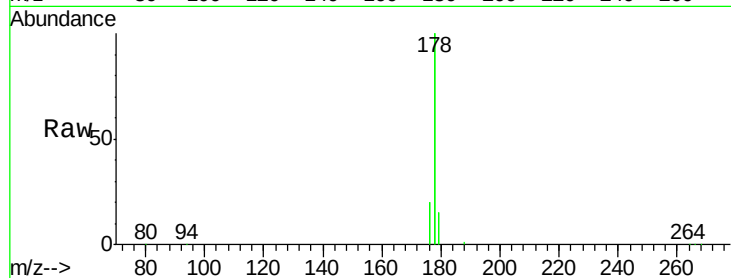
Tgt Ion:178 Resp: 77500

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

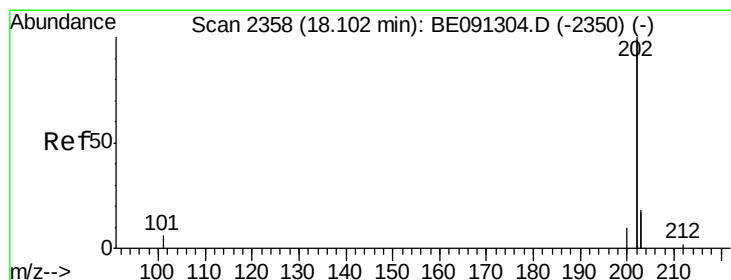
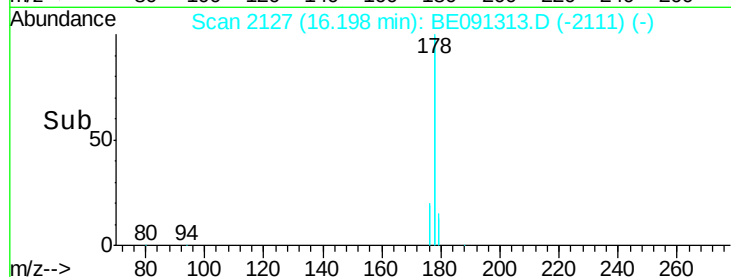
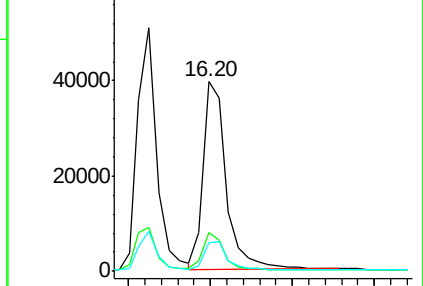
179 14.9 13.3 19.9



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: 0.41 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

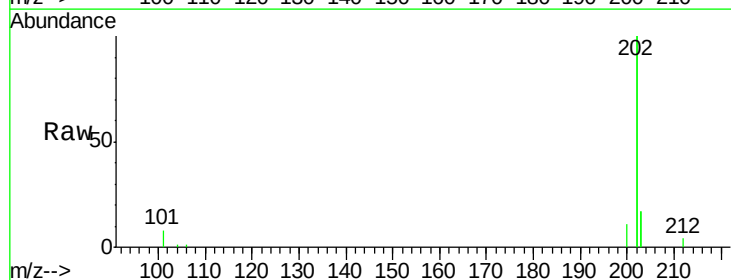
Tgt Ion:202 Resp: 96227

Ion Ratio Lower Upper

202 100

101 3.8 0.0 33.1

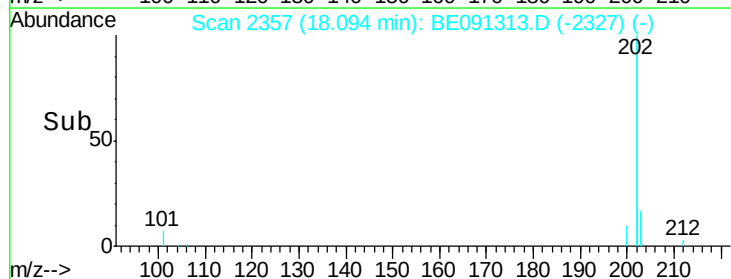
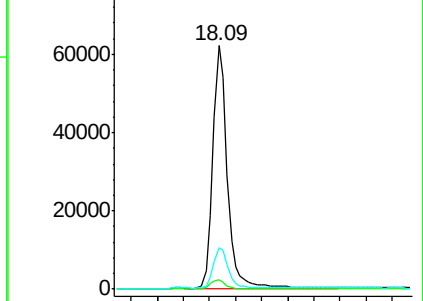
203 17.1 0.0 37.2

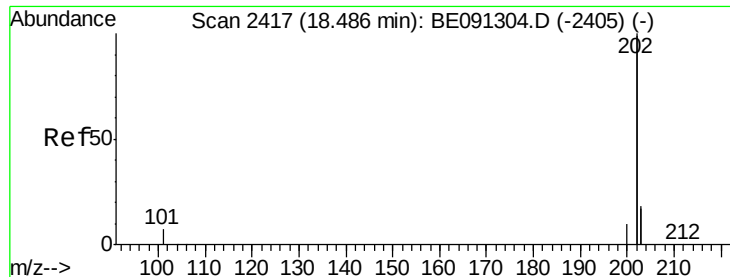


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091313.D

Acq: 23 Nov 2015 23:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.488

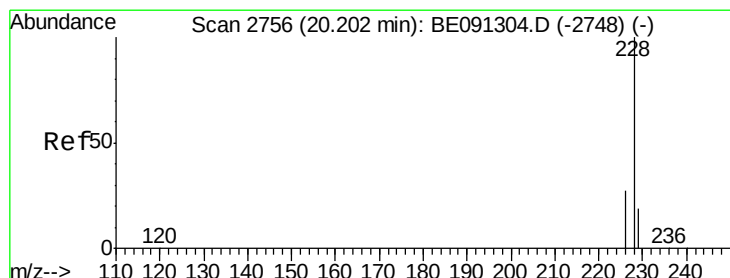
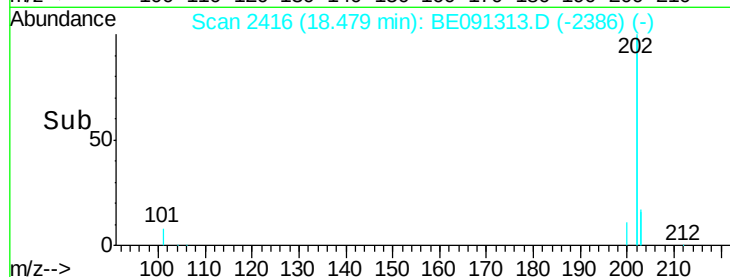
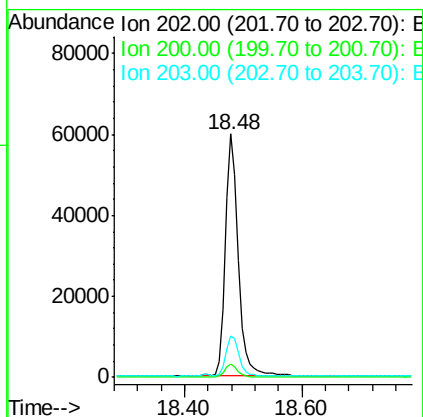
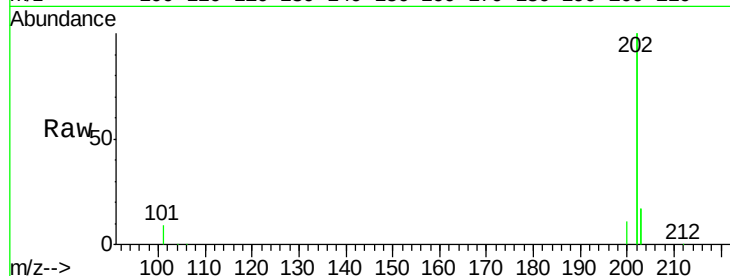
Tgt Ion:202 Resp: 91780

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

203 17.2 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

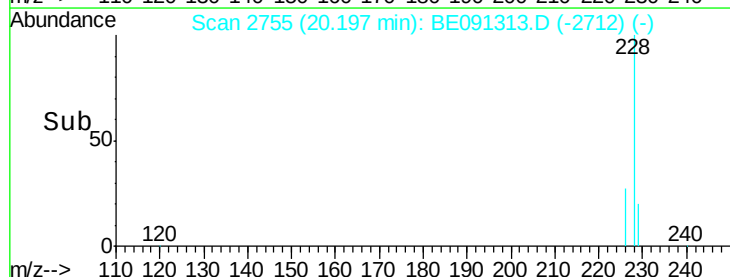
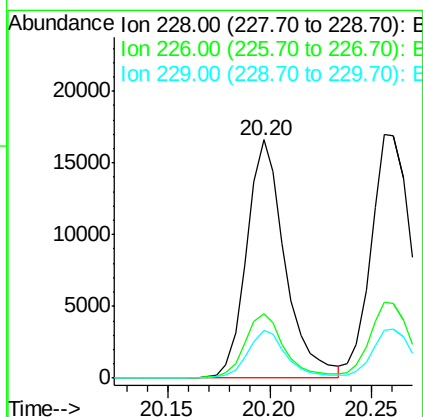
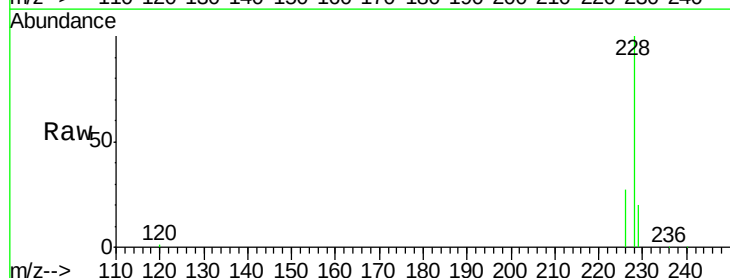
Tgt Ion:228 Resp: 21435

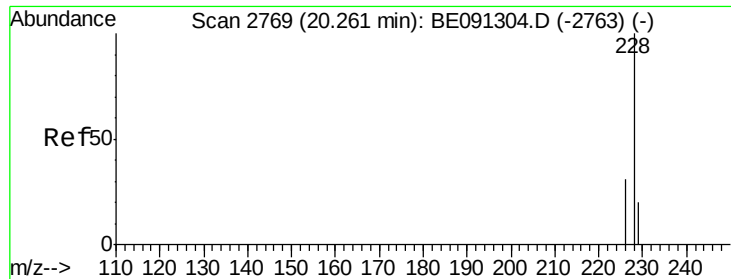
Ion Ratio Lower Upper

228 100

226 26.8 23.0 34.4

229 19.9 15.2 22.8





#21

Chrysene

Concen: 0.42 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.488

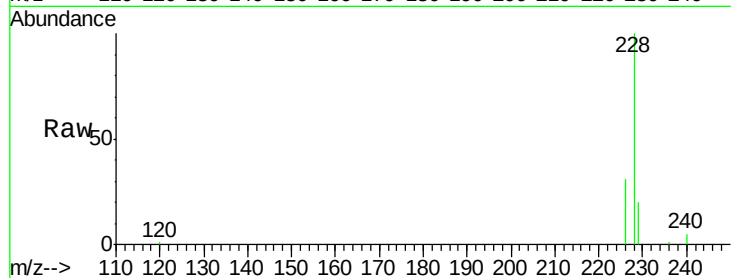
Tgt Ion:228 Resp: 24917

Ion Ratio Lower Upper

228 100

226 31.3 25.7 38.5

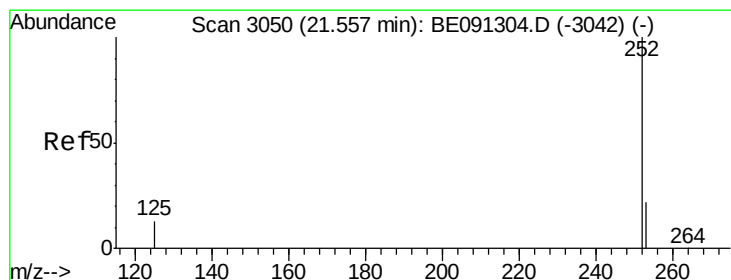
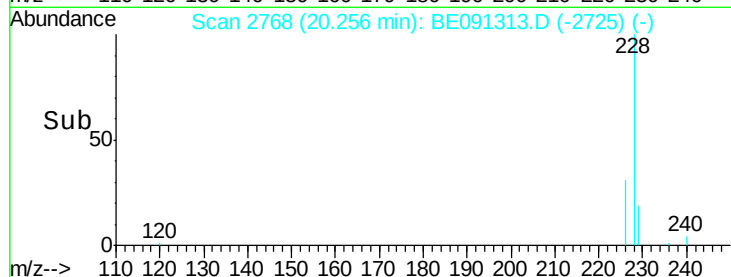
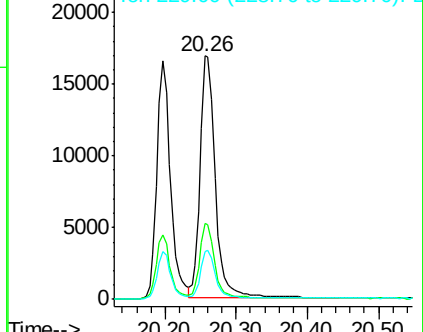
229 19.5 15.2 22.8



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: 0.39 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

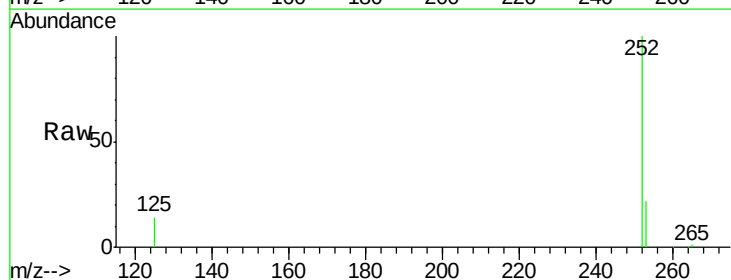
Tgt Ion:252 Resp: 22390

Ion Ratio Lower Upper

252 100

253 22.5 0.0 48.0

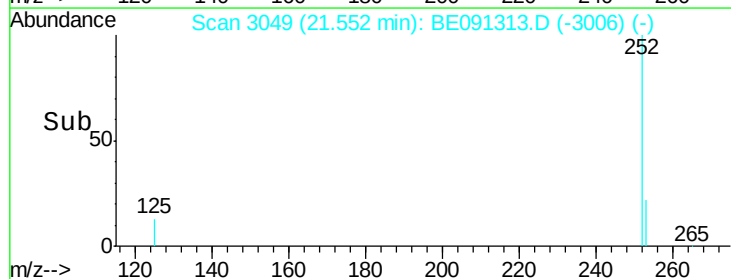
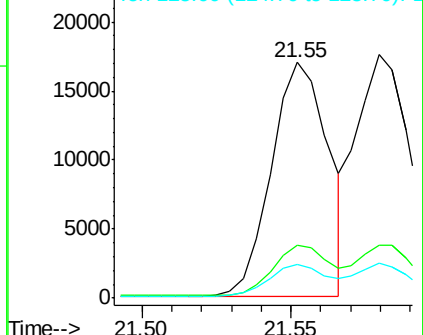
125 14.1 0.0 36.6

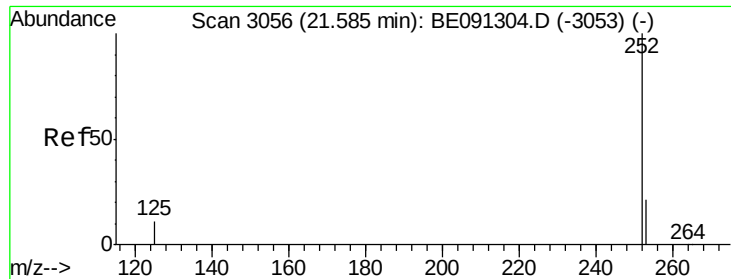


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.42 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.488

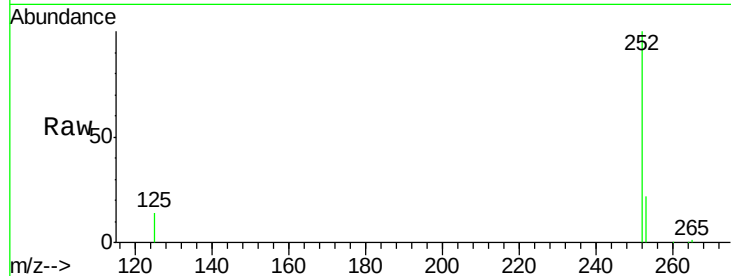
Tgt Ion:252 Resp: 25161

Ion Ratio Lower Upper

252 100

253 22.0 20.8 31.2

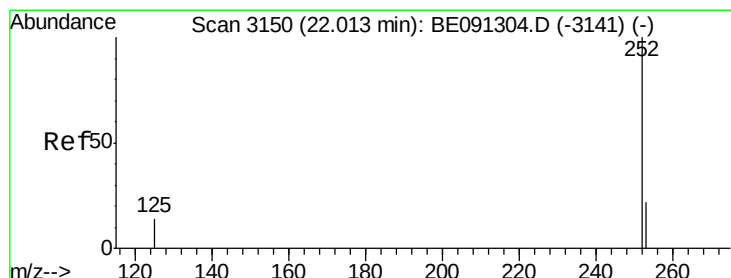
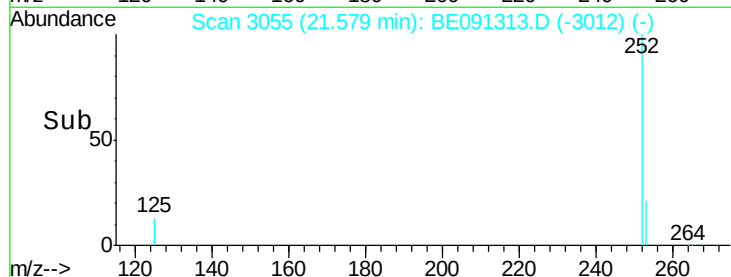
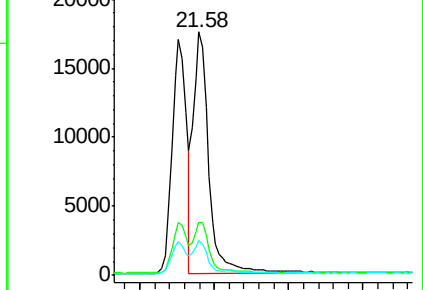
125 14.1 12.2 18.4



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# 3150

Delta R.T. -0.00 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

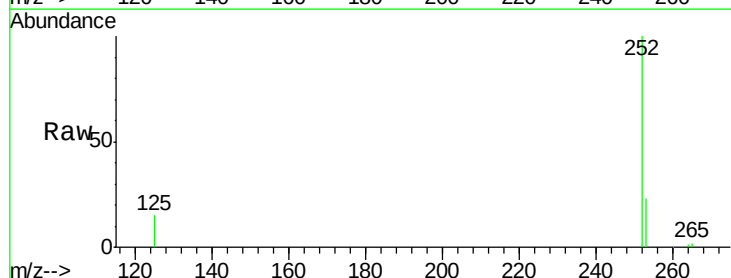
Tgt Ion:252 Resp: 22828

Ion Ratio Lower Upper

252 100

253 23.0 21.8 32.8

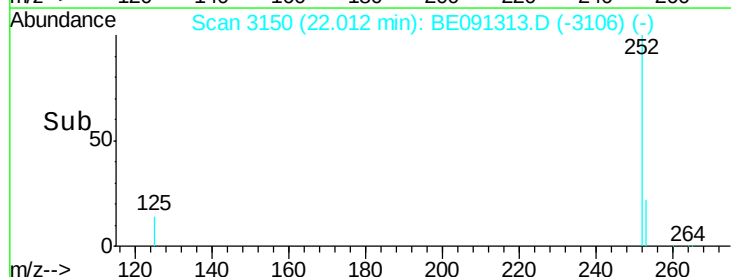
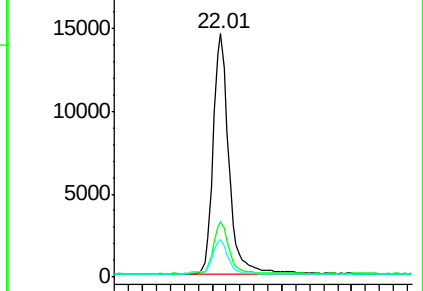
125 15.2 14.5 21.7

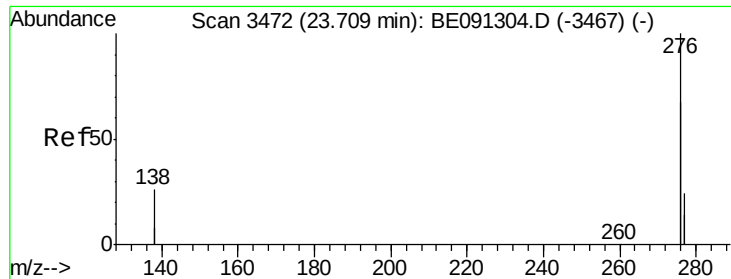


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.40 ng/ul

RT: 23.70 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.488

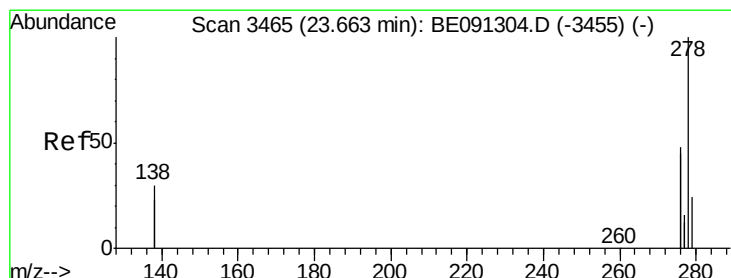
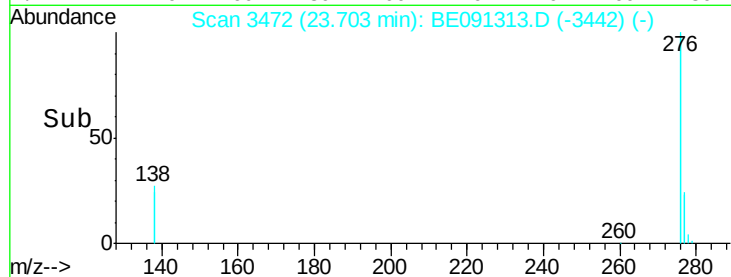
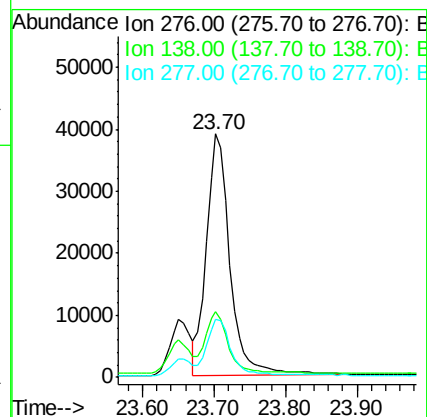
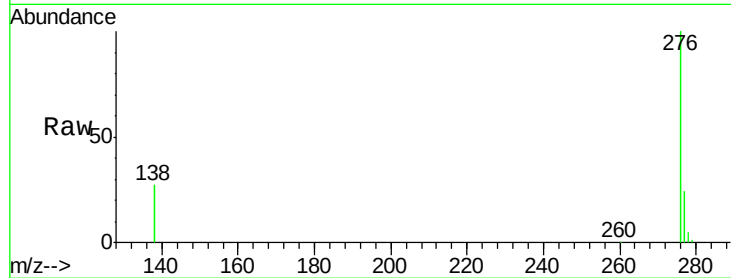
Tgt Ion:276 Resp: 88655

Ion Ratio Lower Upper

276 100

138 25.1 27.5 41.3#

277 24.3 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 23.66 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BE091313.D

Acq: 23 Nov 2015 23:15

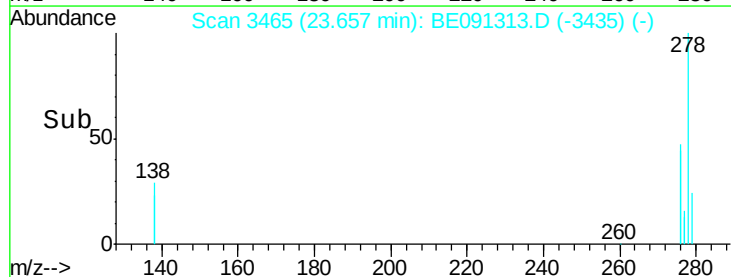
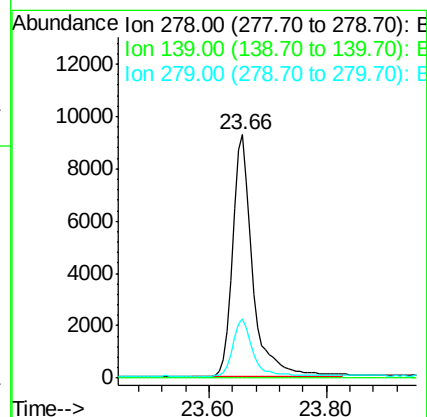
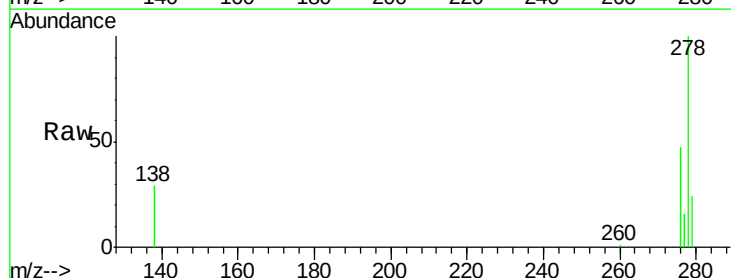
Tgt Ion:278 Resp: 21737

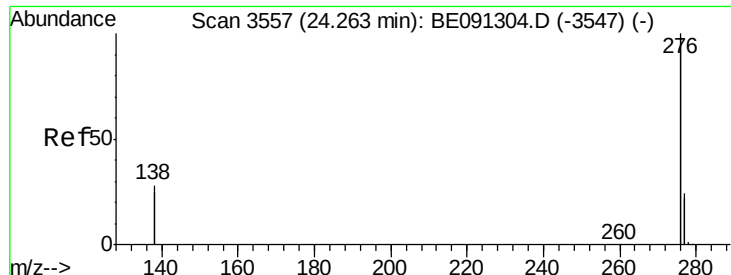
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 24.3 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.40 ng/ul

RT: 24.25 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091313.D

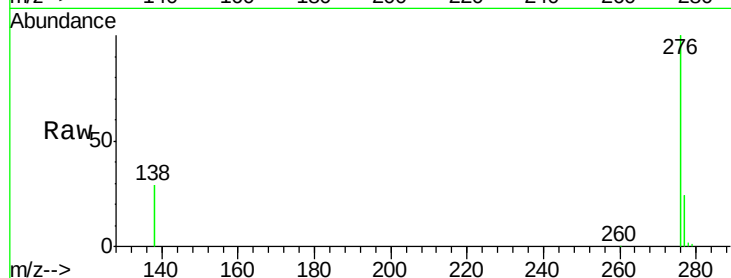
Acq: 23 Nov 2015 23:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.488



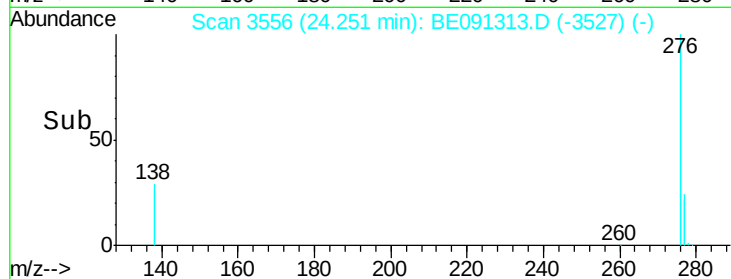
Tgt Ion: 276 Resp: 93447

Ion Ratio Lower Upper

276 100

277 23.7 21.3 31.9

138 29.4 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

