

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
 Data File : BE091164.D
 Acq On : 14 Nov 2015 5:13
 Operator : UM/NP
 Sample : SSTDC00.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.498

Quant Time: Nov 14 06:03:47 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 : Sat Nov 14 03:28:24 2015
 Response via : Initial Calibration

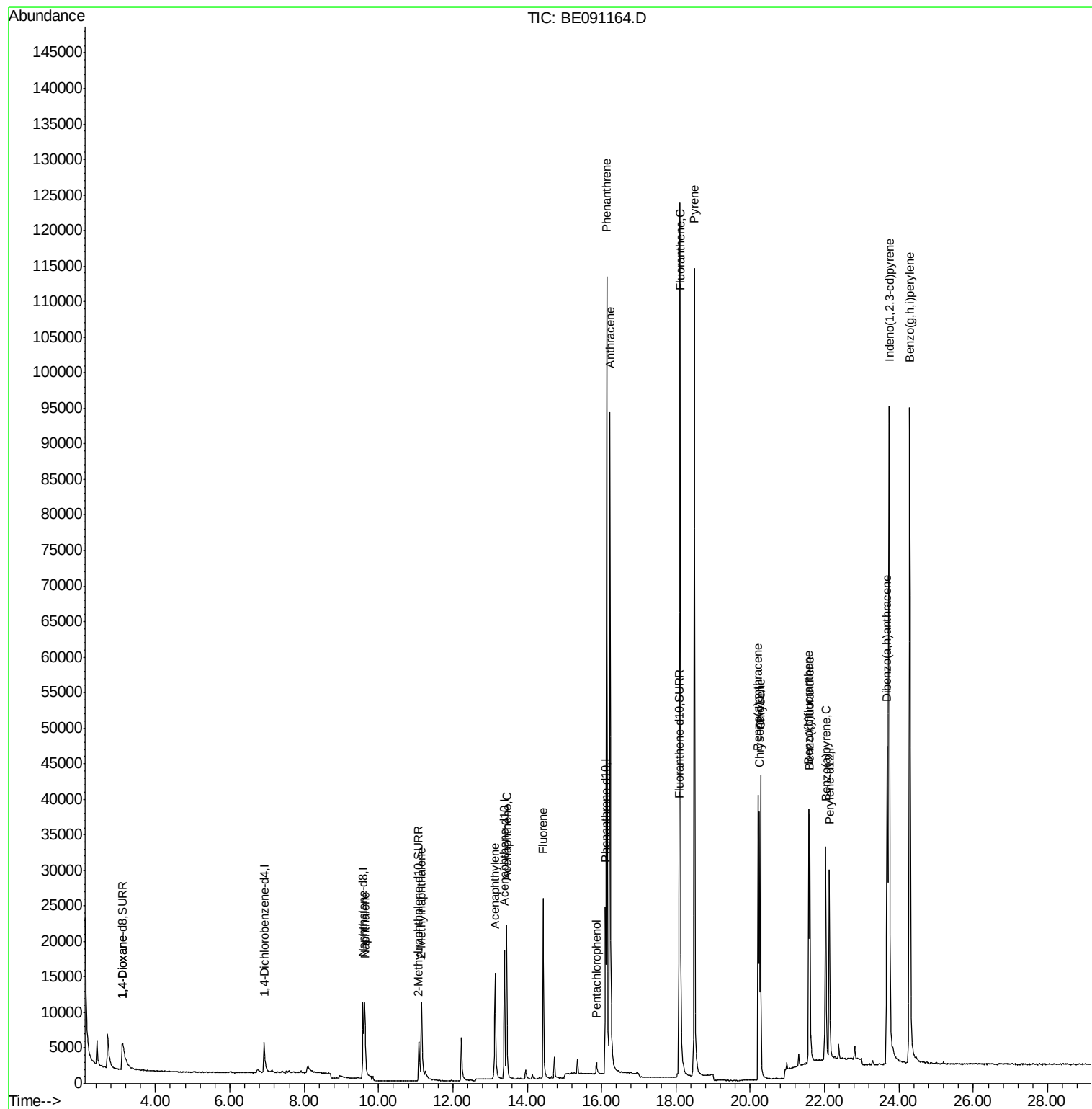
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	3857	0.40	ng/ul	-0.04
4) Naphthalene-d8	9.59	136	19135	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.39	164	11448	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.10	188	28867	0.40	ng/ul	-0.01
18) Chrysene-d12	20.24	240	34458	0.40	ng/ul	0.00
22) Perylene-d12	22.13	264	31992	0.40	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.10	96	4704	1.70	ng/uL	-0.05
6) 2-Methylnaphthalene-d10	11.08	152	10507	0.40	ng/ul	-0.04
16) Fluoranthene-d10	18.09	212	32068	0.39	ng/ul	0.00
Target Compounds					Ovalue	
3) 1,4-Dioxane	3.12	88	4891	1.56	ng/ul#	65
5) Naphthalene	9.63	128	18306	0.39	ng/ul	99
7) 2-Methylnaphthalene	11.16	142	11933	0.39	ng/ul	87
9) Acenaphthylene	13.14	152	21096	0.37	ng/ul	97
10) Acenaphthene	13.45	153	14884	0.38	ng/ul	92
11) Fluorene	14.43	166	18239	0.36	ng/ul	90
13) Pentachlorophenol	15.87	266	1511	0.55	ng/ul	97
14) Phenanthrene	16.14	178	124434	0.37	ng/ul	99
15) Anthracene	16.22	178	122280	0.40	ng/ul	98
17) Fluoranthene	18.11	202	153179	0.39	ng/ul	88
19) Pyrene	18.49	202	152002	0.39	ng/ul#	79
20) Benzo(a)anthracene	20.21	228	35121	0.40	ng/ul	98
21) Chrysene	20.27	228	39878	0.39	ng/ul	98
23) Benzo(b)fluoranthene	21.57	252	37157	0.37	ng/ul	95
24) Benzo(k)fluoranthene	21.60	252	38504	0.38	ng/ul	97
25) Benzo(a)pyrene	22.03	252	37046	0.40	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.73	276	146590	0.38	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.68	278	36405	0.39	ng/ul#	71
28) Benzo(g,h,i)perylene	24.29	276	153757	0.38	ng/ul	94

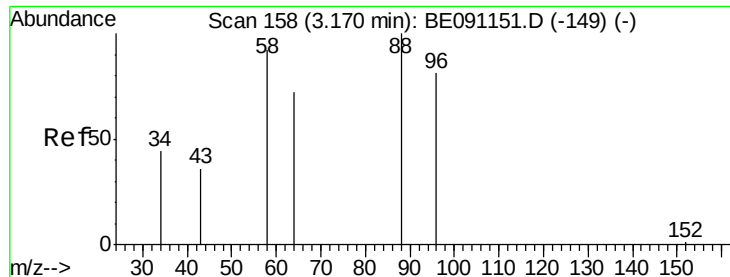
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
Data File : BE091164.D
Acq On : 14 Nov 2015 5:13
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Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.498

Quant Time: Nov 14 06:03:47 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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#3

1,4-Dioxane

Concen: 1.56 ng/ul

RT: 3.12 min Scan# 150

Delta R.T. -0.05 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.498

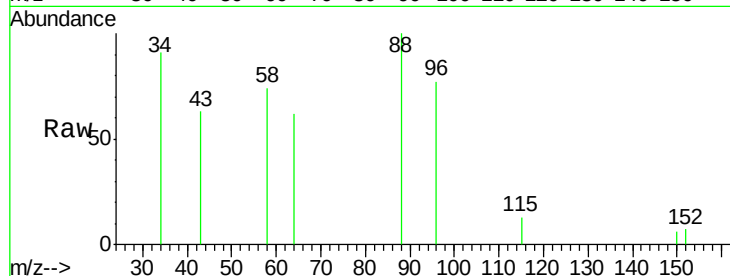
Tot Ion: 88 Resp: 4891

Ion Ratio Lower Upper

88 100

58 104.8 55.4 83.2#

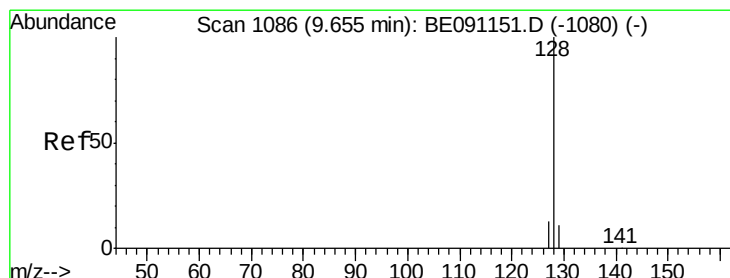
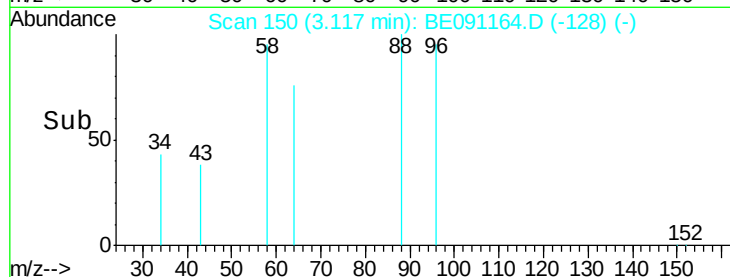
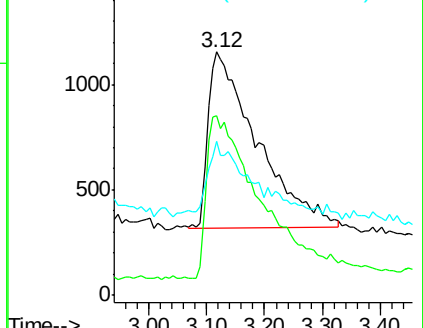
43 39.4 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091151.D (-149) (-)

Ion 58.00 (57.70 to 58.70): BE091151.D (-149) (-)

Ion 43.00 (42.70 to 43.70): BE091151.D (-149) (-)



#5

Naphthalene

Concen: 0.39 ng/ul

RT: 9.63 min Scan# 1083

Delta R.T. -0.02 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

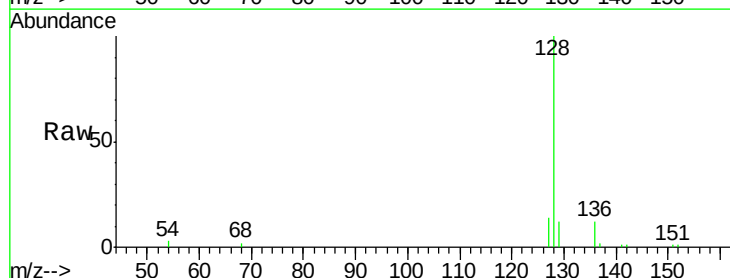
Tgt Ion: 128 Resp: 18306

Ion Ratio Lower Upper

128 100

129 11.8 9.8 14.8

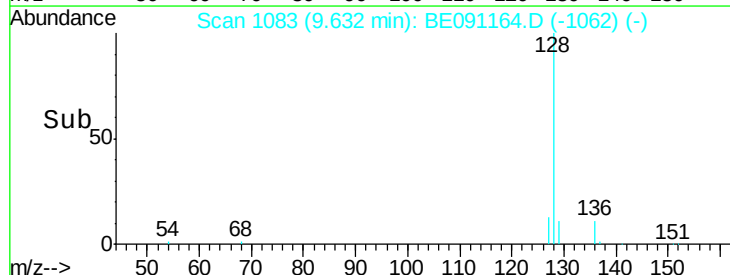
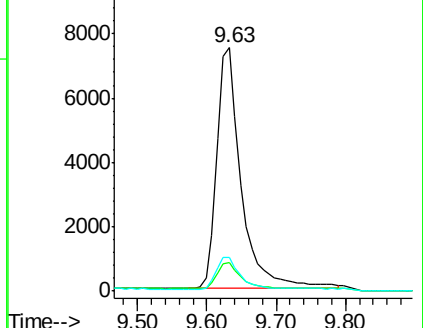
127 13.7 10.7 16.1

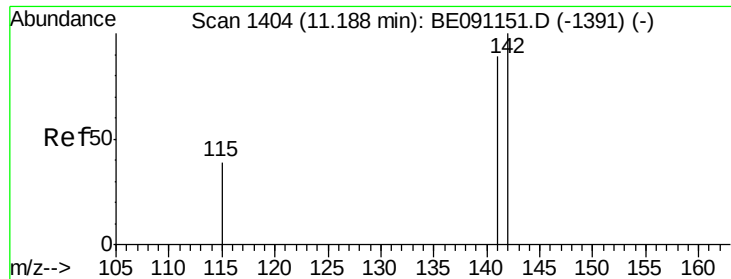


Abundance Ion 128.00 (127.70 to 128.70): BE091151.D (-1080) (-)

Ion 129.00 (128.70 to 129.70): BE091151.D (-1080) (-)

Ion 127.00 (126.70 to 127.70): BE091151.D (-1080) (-)





#7

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 11.16 min Scan# 1397

Delta R.T. -0.03 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

Instrument :

BNA_E

ClientSampleId :

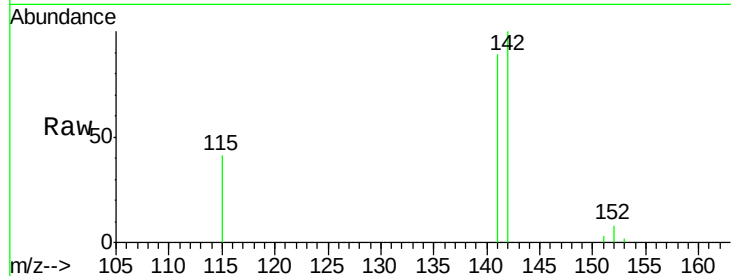
SSTD0.498

Tot Ion:142 Resp: 11933

Ion Ratio Lower Upper

142 100

141 99.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.16

5000

4000

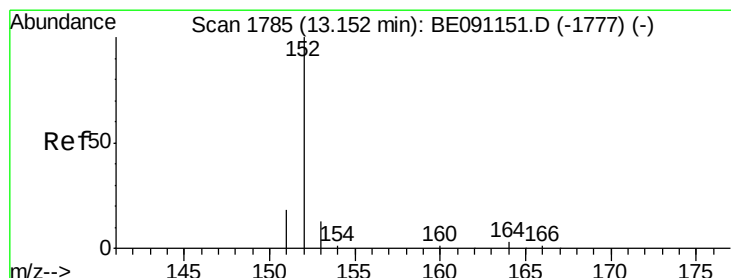
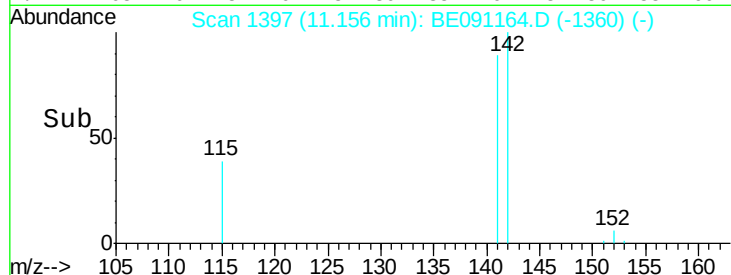
3000

2000

1000

0

Time--> 11.10 11.20



#9

Acenaphthylene

Concen: 0.37 ng/ul

RT: 13.14 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

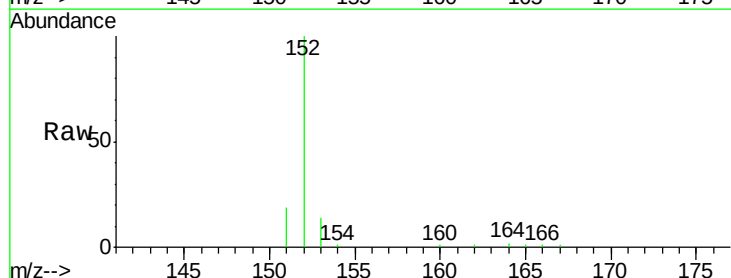
Tgt Ion:152 Resp: 21096

Ion Ratio Lower Upper

152 100

151 19.1 16.8 25.2

153 13.9 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

13.14

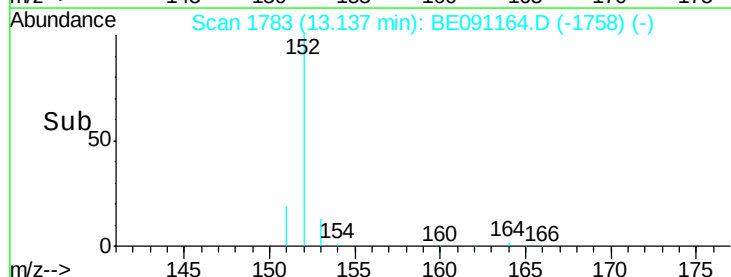
15000

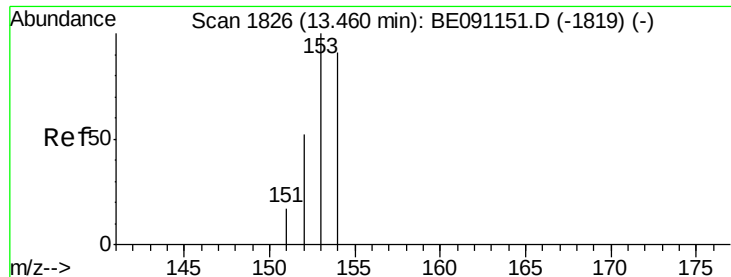
10000

5000

0

Time--> 13.00 13.20





#10

Acenaphthene

Concen: 0.38 ng/ul

RT: 13.45 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.498

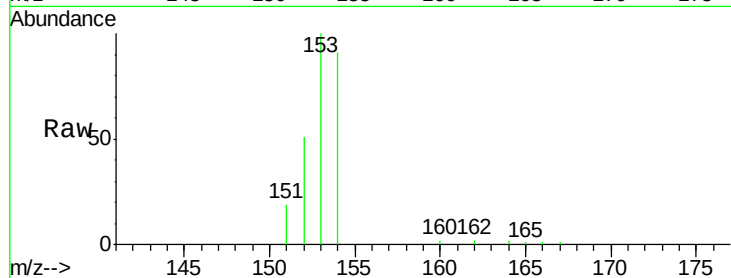
Tot Ion:153 Resp: 14884

Ion Ratio Lower Upper

153 100

152 50.8 42.3 63.5

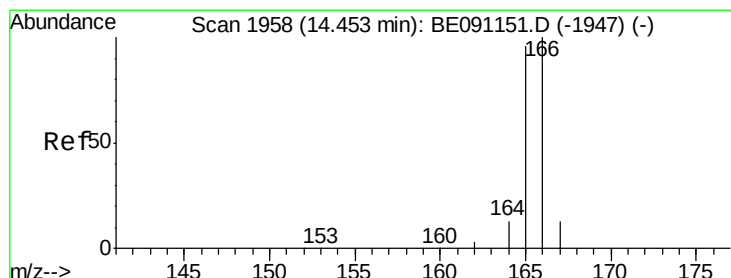
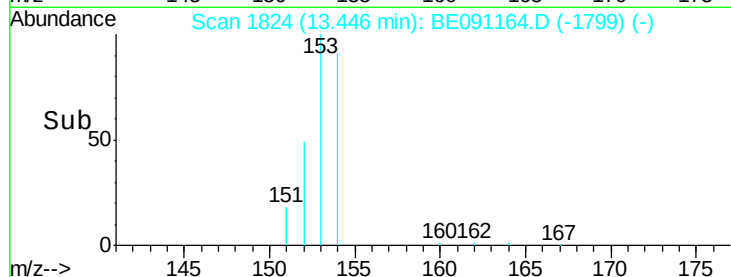
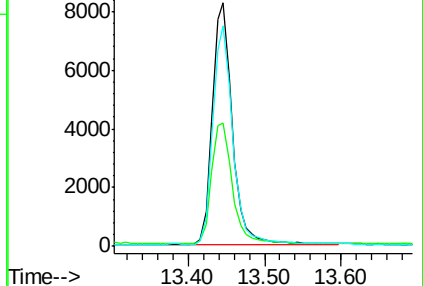
154 90.8 64.7 97.1



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: 0.36 ng/ul

RT: 14.43 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

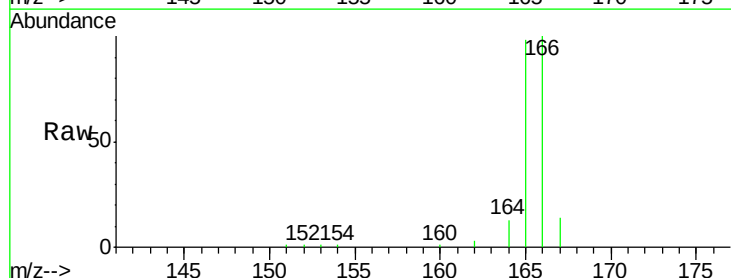
Tgt Ion:166 Resp: 18239

Ion Ratio Lower Upper

166 100

165 98.1 87.6 131.4

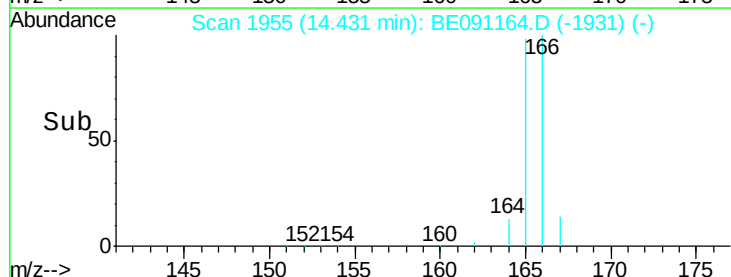
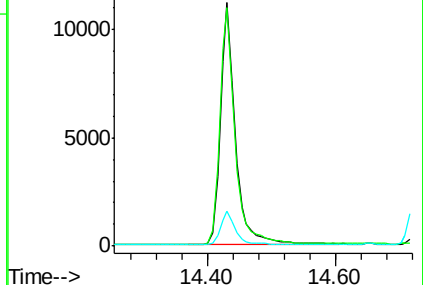
167 14.3 11.1 16.7

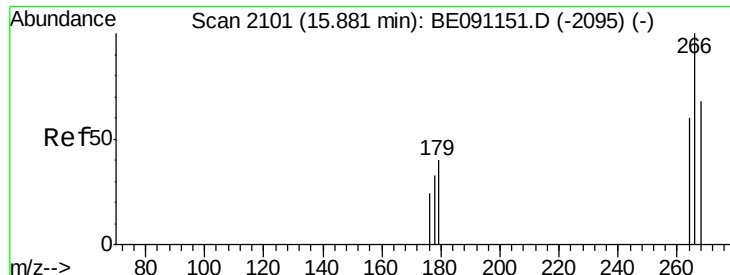


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

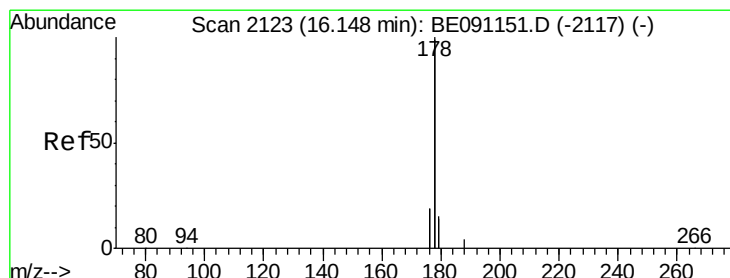
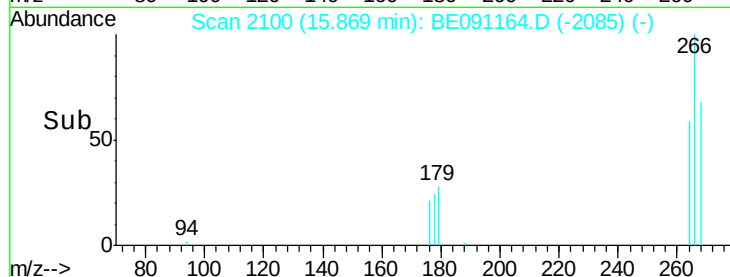
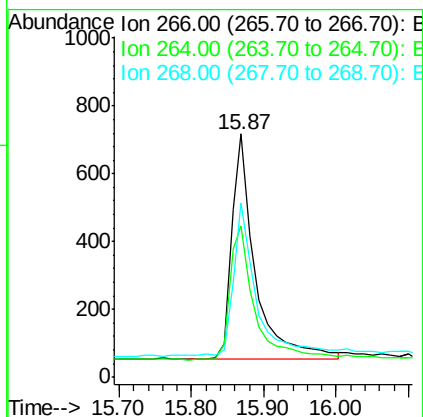
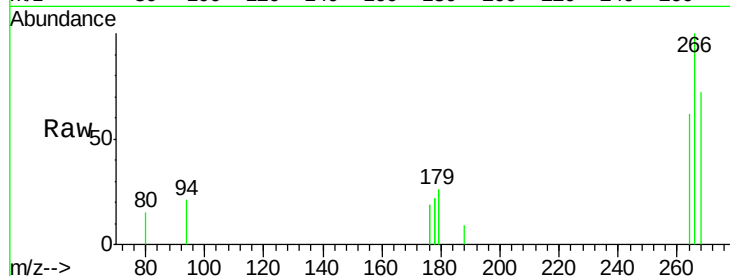




#13
 Pentachlorophenol
 Concen: 0.55 ng/ul
 RT: 15.87 min Scan# 2100
 Delta R.T. -0.01 min
 Lab File: BE091164.D
 Acq: 14 Nov 2015 5:13

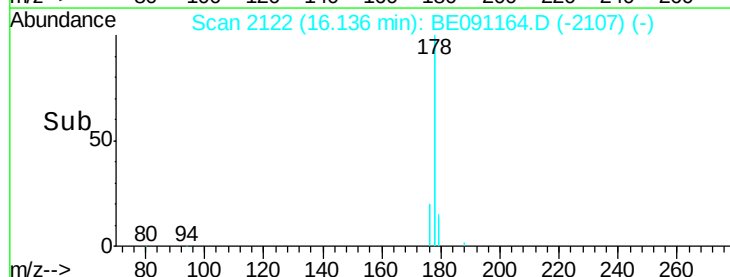
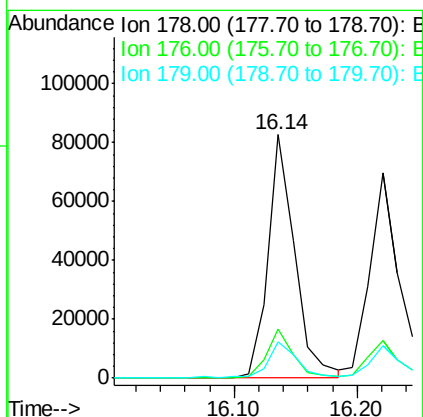
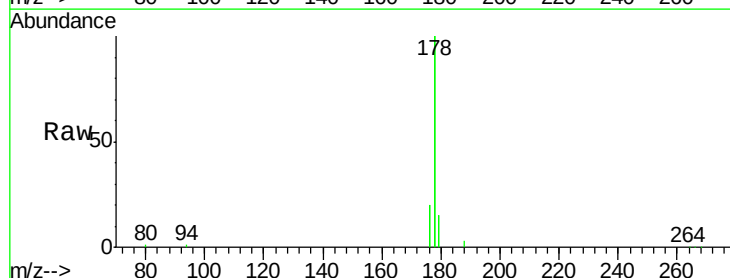
Instrument :
 BNA_E
 ClientSampleId :
 SST0.498

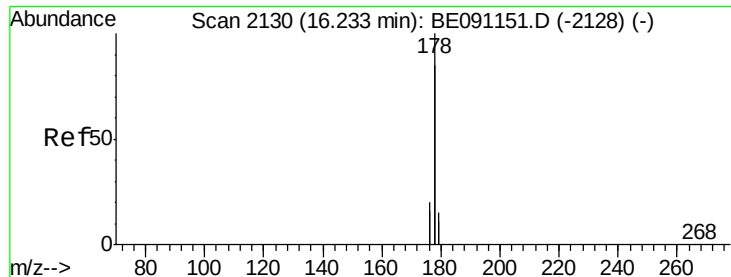
Tot Ion:266 Resp: 1511
 Ion Ratio Lower Upper
 266 100
 264 63.6 53.5 80.3
 268 66.8 54.2 81.2



#14
 Phenanthrene
 Concen: 0.37 ng/ul
 RT: 16.14 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BE091164.D
 Acq: 14 Nov 2015 5:13

Tgt Ion:178 Resp: 124434
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 15.1 12.8 19.2





#15

Anthracene

Concen: 0.40 ng/ul

RT: 16.22 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.498

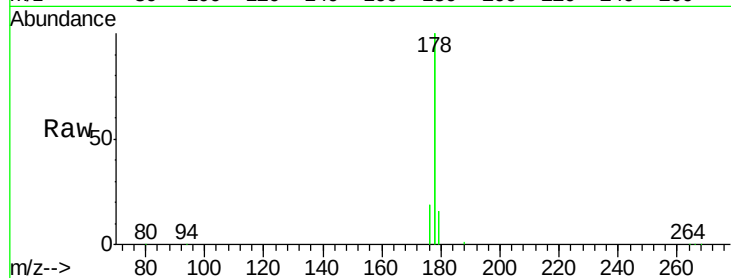
Tot Ion:178 Resp: 122280

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

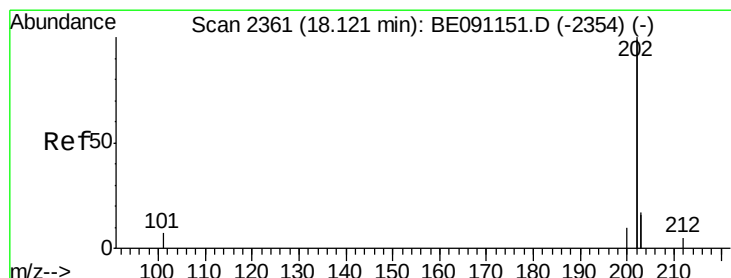
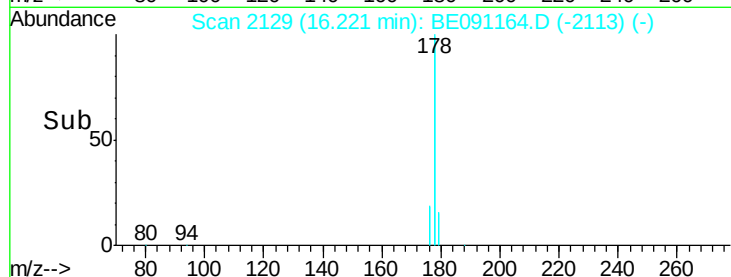
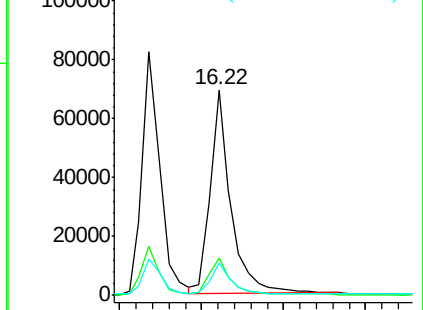
179 16.0 13.3 19.9



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: 18.11 min Scan# 2360

Delta R.T. -0.01 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

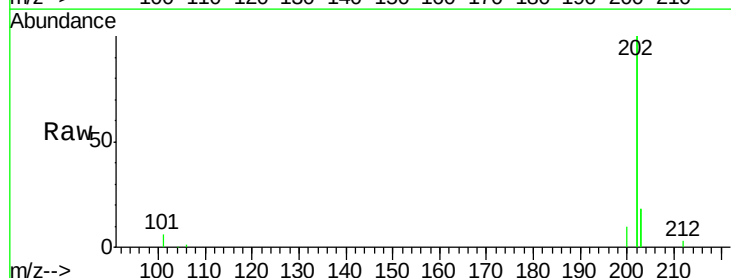
Tgt Ion:202 Resp: 153179

Ion Ratio Lower Upper

202 100

101 3.2 0.0 33.1

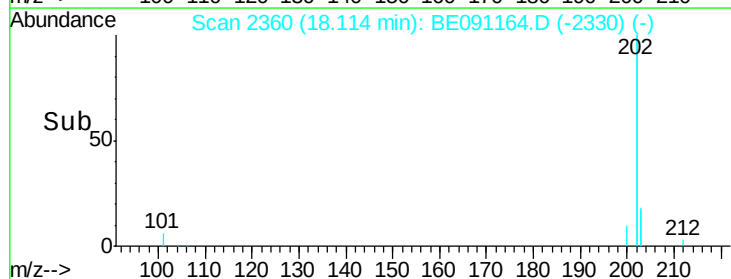
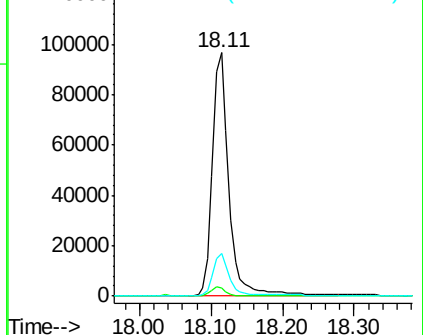
203 17.8 0.0 37.2

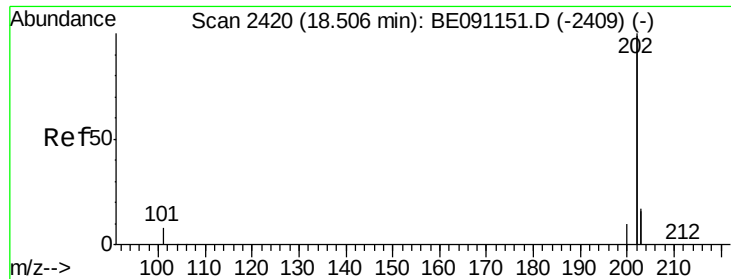


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

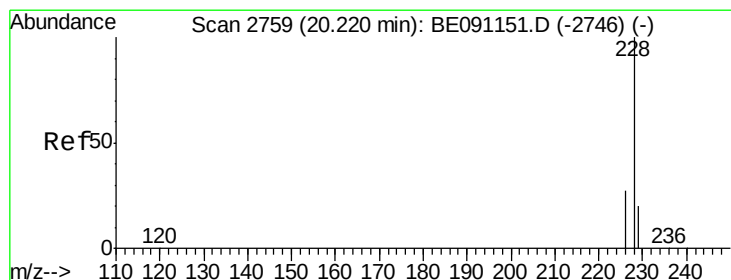
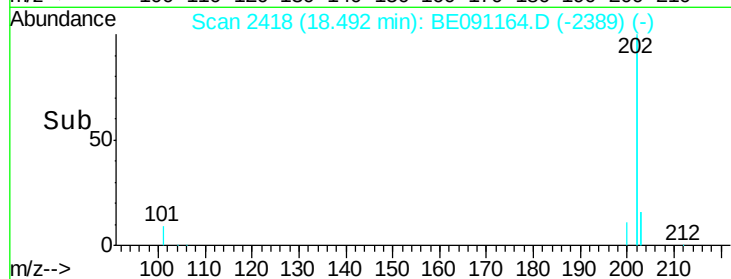
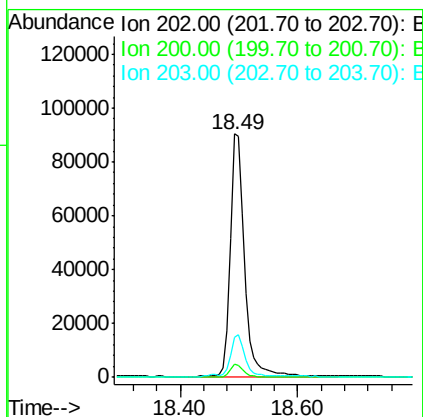
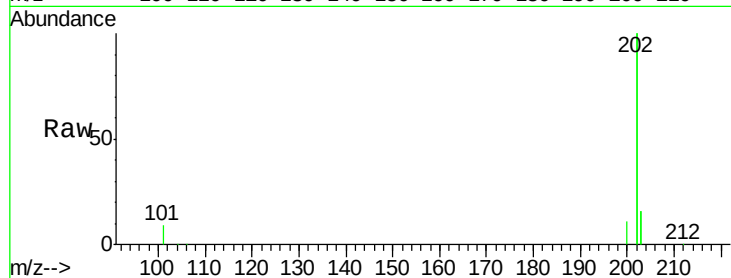




#19
Pvrene
Concen: 0.39 ng/ul
RT: 18.49 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BE091164.D
Acq: 14 Nov 2015 5:13

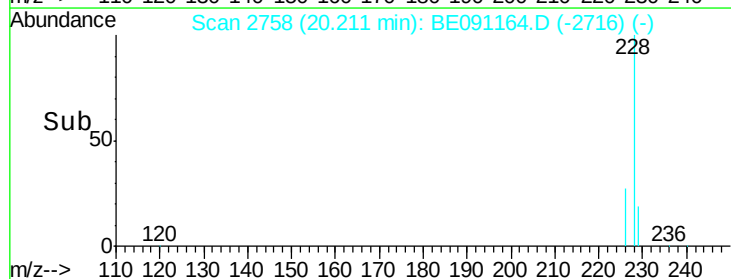
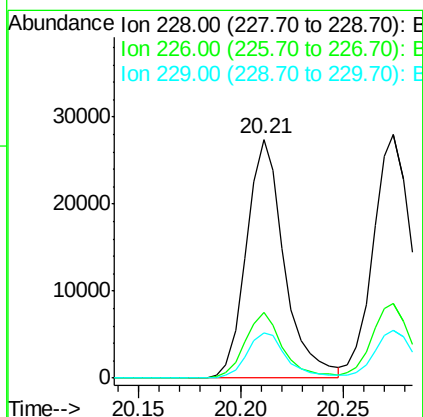
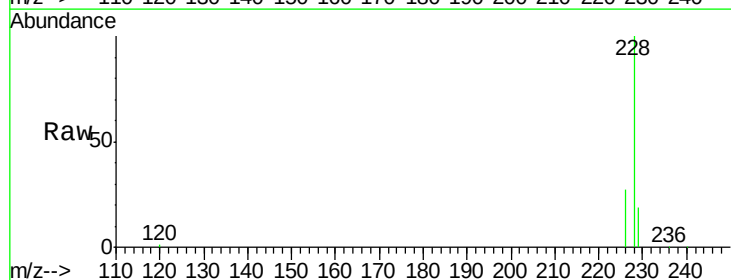
Instrument :
BNA_E
ClientSampleId :
SSTD0.498

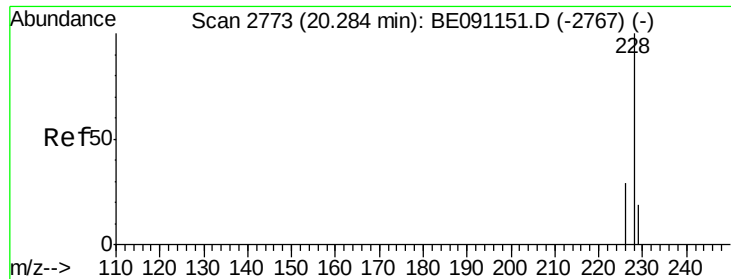
Tot Ion	Ratio	Lower	Upper
202	100		
200	5.6	18.0	27.0#
203	16.4	13.8	20.6



#20
Benzo(a)anthracene
Concen: 0.40 ng/ul
RT: 20.21 min Scan# 2758
Delta R.T. -0.01 min
Lab File: BE091164.D
Acq: 14 Nov 2015 5:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	23.0	34.4
229	19.2	15.2	22.8





#21

Chrysene

Concen: 0.39 ng/ul

RT: 20.27 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.498

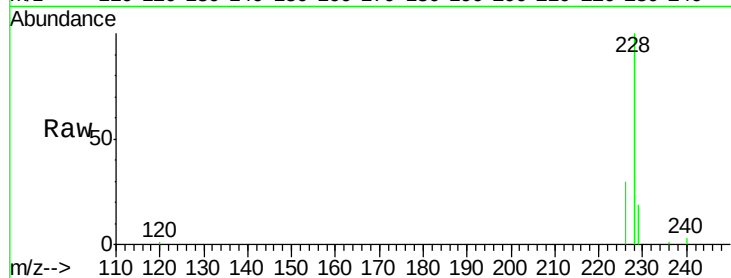
Tot Ion:228 Resp: 39878

Ion Ratio Lower Upper

228 100

226 30.5 25.7 38.5

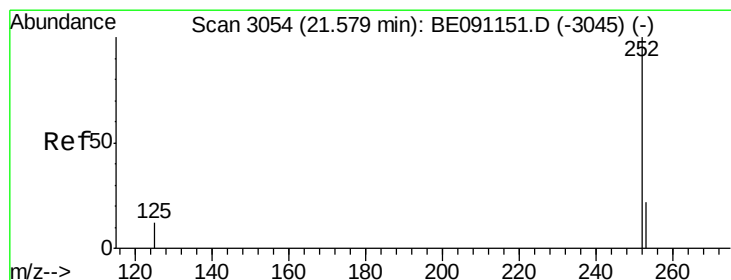
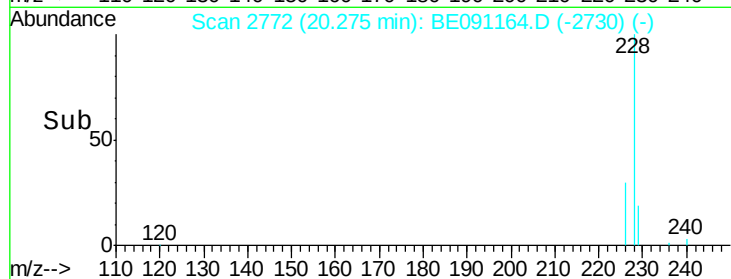
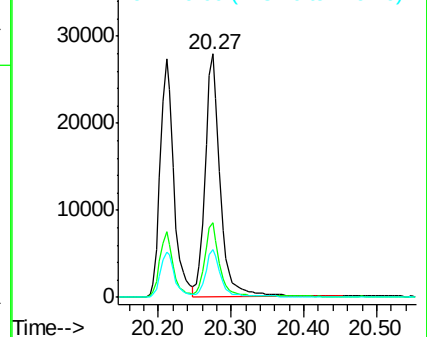
229 19.4 15.2 22.8



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: 0.37 ng/ul

RT: 21.57 min Scan# 3053

Delta R.T. -0.01 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

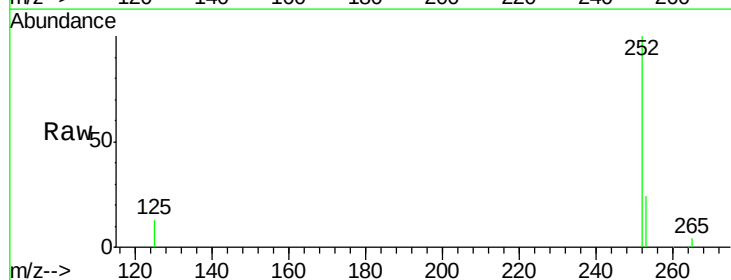
Tgt Ion:252 Resp: 37157

Ion Ratio Lower Upper

252 100

253 24.4 0.0 48.0

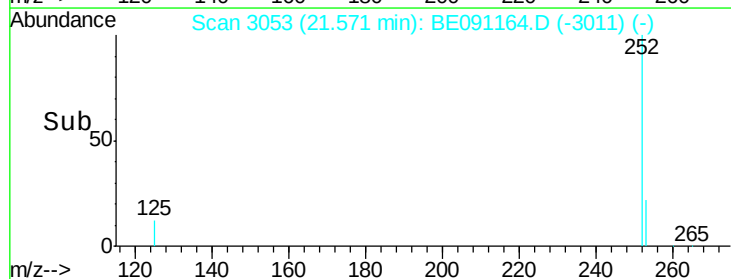
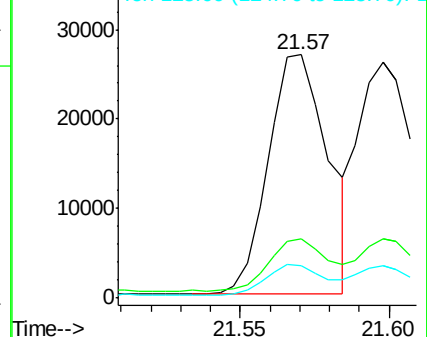
125 13.1 0.0 36.6

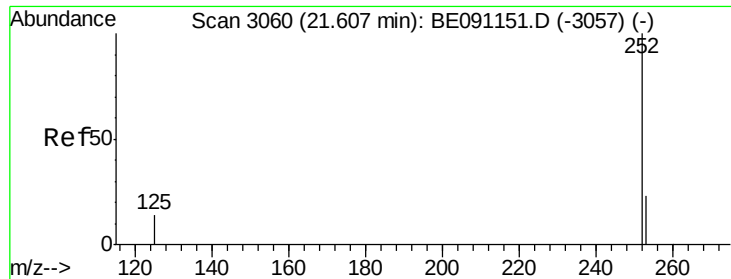


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.38 ng/ul

RT: 21.60 min Scan# 3059

Delta R.T. -0.01 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.498

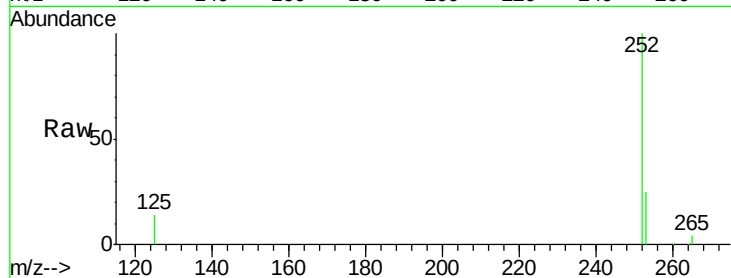
Tot Ion:252 Resp: 38504

Ion Ratio Lower Upper

252 100

253 25.3 20.8 31.2

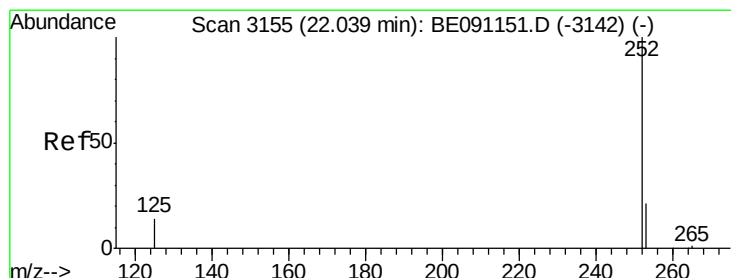
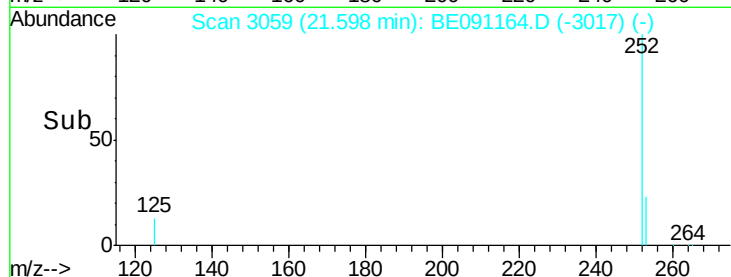
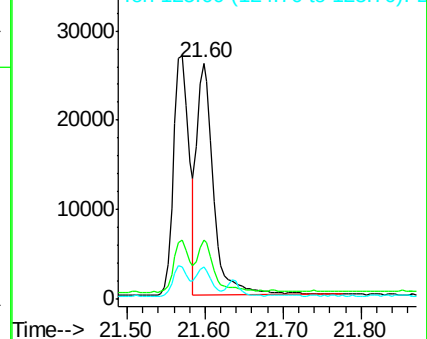
125 13.5 12.2 18.4



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: 0.40 ng/ul

RT: 22.03 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

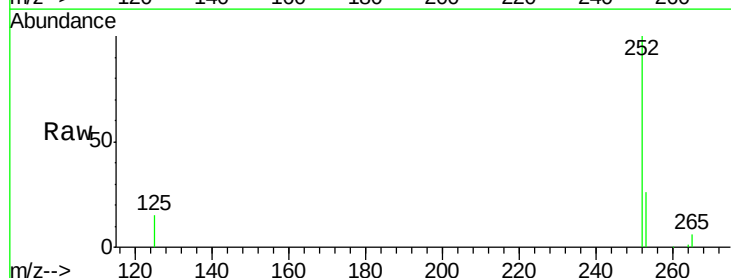
Tgt Ion:252 Resp: 37046

Ion Ratio Lower Upper

252 100

253 25.9 21.8 32.8

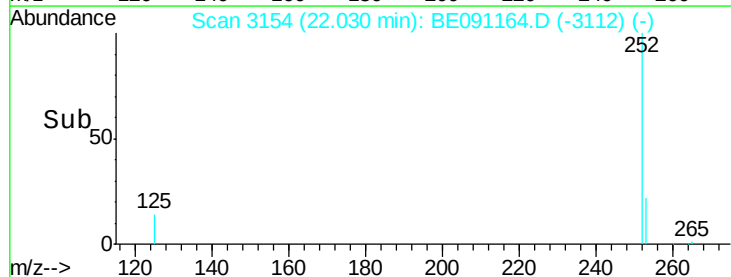
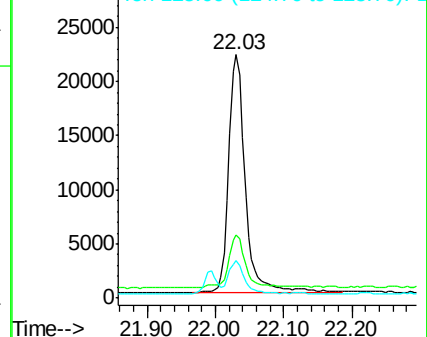
125 15.3 14.5 21.7

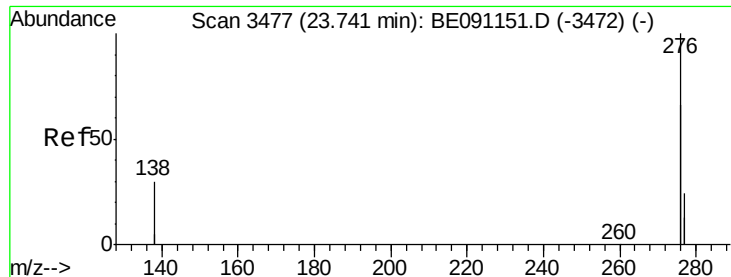


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

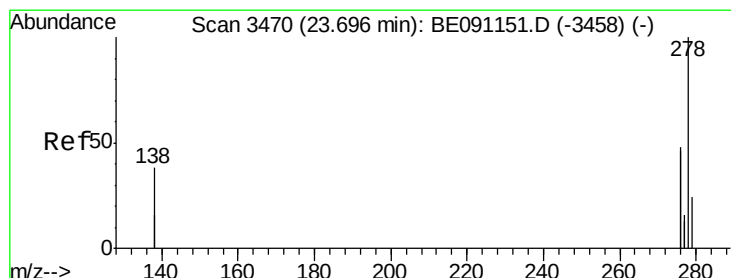
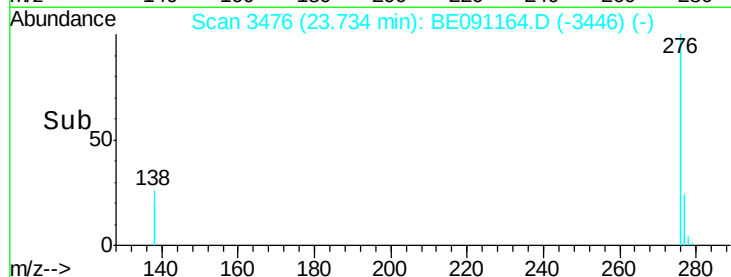
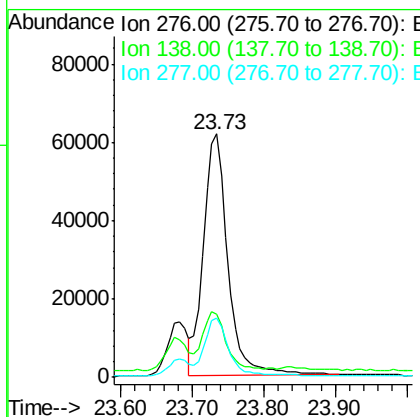
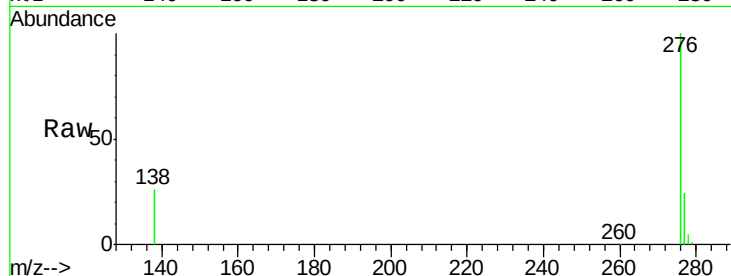




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.38 ng/ul
 RT: 23.73 min Scan# 3476
 Delta R.T. -0.01 min
 Lab File: BE091164.D
 Acq: 14 Nov 2015 5:13

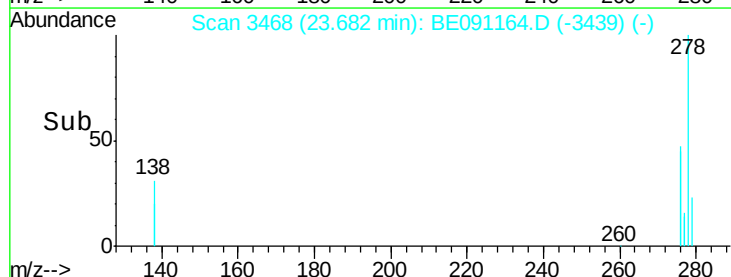
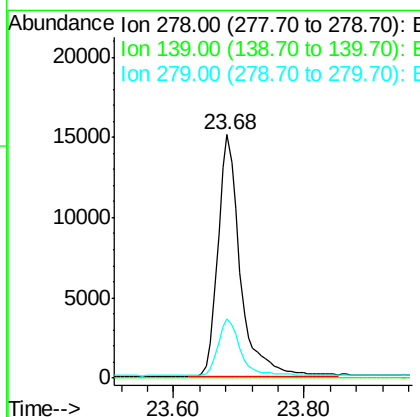
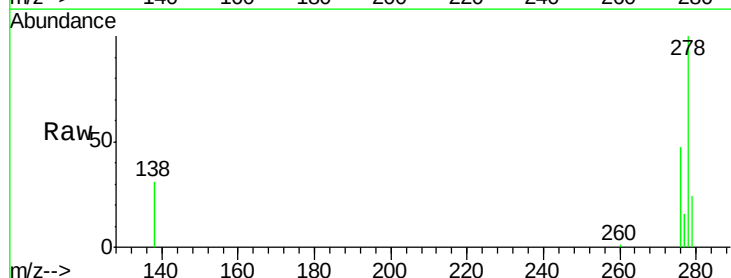
Instrument :
 BNA_E
 ClientSampleId :
 SST0.498

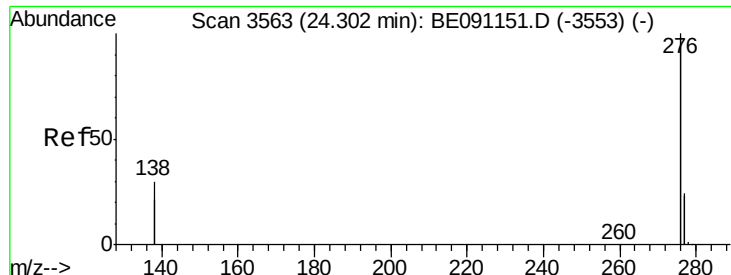
Tot Ion:276 Resp: 146590
 Ion Ratio Lower Upper
 276 100
 138 23.0 27.5 41.3#
 277 23.4 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.39 ng/ul
 RT: 23.68 min Scan# 3468
 Delta R.T. -0.01 min
 Lab File: BE091164.D
 Acq: 14 Nov 2015 5:13

Tgt Ion:278 Resp: 36405
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 24.1 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.38 ng/ul

RT: 24.29 min Scan# 3561

Delta R.T. -0.01 min

Lab File: BE091164.D

Acq: 14 Nov 2015 5:13

Instrument :

BNA_E

ClientSampleId :

SSTD0.498

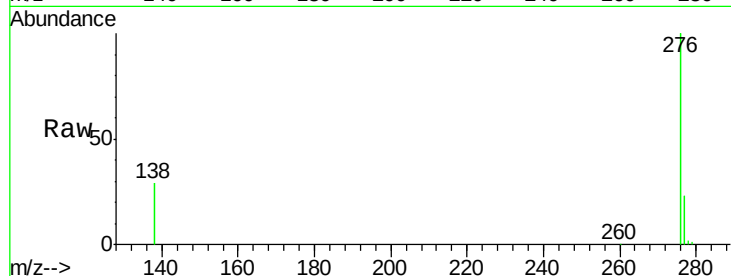
Tot Ion: 276 Resp: 153757

Ion Ratio Lower Upper

276 100

277 23.4 21.3 31.9

138 28.6 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

