

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091296.D
 Acq On : 23 Nov 2015 12:15
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.486

Quant Time: Nov 24 00:26:09 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 : Mon Nov 23 00:41:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	2961	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	13779	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	6510	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	16605	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	16979	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	13671	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	4430	2.08	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.06	152	7078	0.38	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	16449	0.35	ng/ul	0.00

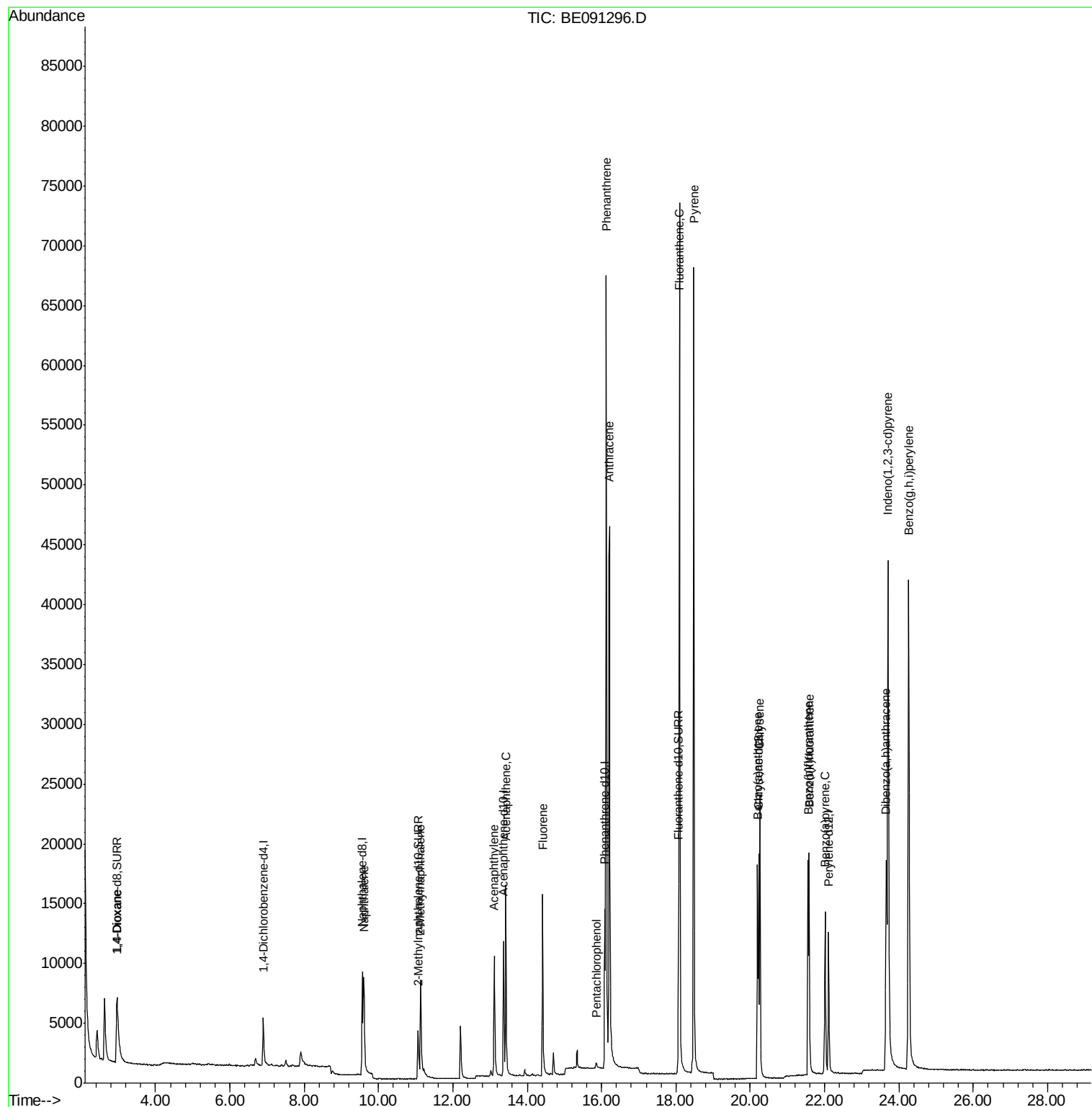
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.97	88	4811	2.00	ng/ul#	63
5) Naphthalene	9.61	128	13974	0.41	ng/ul	98
7) 2-Methylnaphthalene	11.13	142	8089	0.37	ng/ul	87
9) Acenaphthylene	13.12	152	13512	0.42	ng/ul	98
10) Acenaphthene	13.42	153	9387	0.42	ng/ul#	86
11) Fluorene	14.42	166	11757	0.41	ng/ul	91
13) Pentachlorophenol	15.86	266	661	0.42	ng/ul	97
14) Phenanthrene	16.12	178	76969	0.40	ng/ul	98
15) Anthracene	16.21	178	68588	0.39	ng/ul	97
17) Fluoranthene	18.09	202	85221	0.38	ng/ul	89
19) Pyrene	18.48	202	77141	0.40	ng/ul#	80
20) Benzo(a)anthracene	20.20	228	16249	0.37	ng/ul	98
21) Chrysene	20.26	228	20856	0.42	ng/ul	98
23) Benzo(b)fluoranthene	21.56	252	18888	0.44	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	18611	0.42	ng/ul	94
25) Benzo(a)pyrene	22.01	252	17089	0.43	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.71	276	68189	0.41	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.66	278	15661	0.40	ng/ul#	72
28) Benzo(g,h,i)perylene	24.26	276	71308	0.41	ng/ul	94

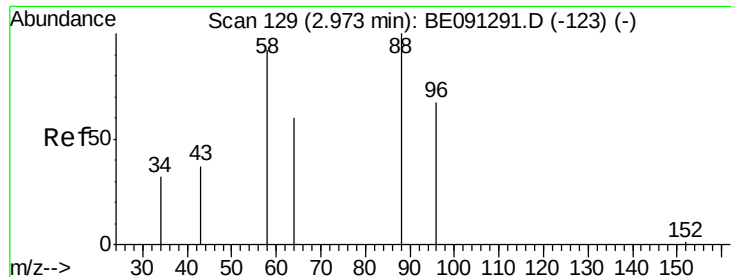
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
Data File : BE091296.D
Acq On : 23 Nov 2015 12:15
Operator : UM/NP
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.486

Quant Time: Nov 24 00:26:09 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 : Mon Nov 23 00:41:30 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 2.00 ng/ul

RT: 2.97 min Scan# 129

Delta R.T. 0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.486

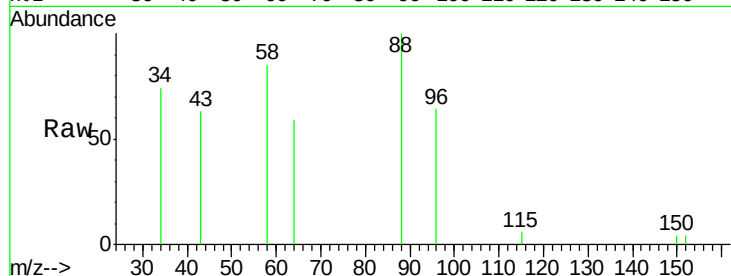
Tgt Ion: 88 Resp: 4811

Ion Ratio Lower Upper

88 100

58 105.0 55.4 83.2#

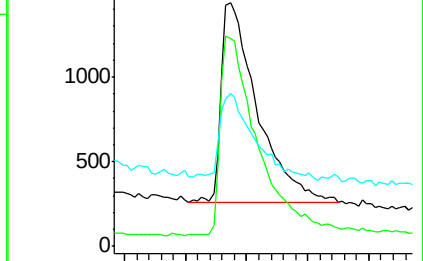
43 42.7 24.2 36.2#



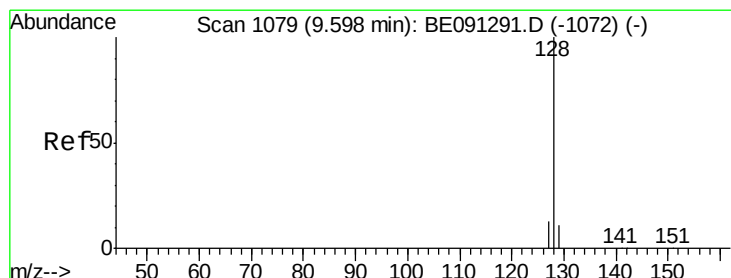
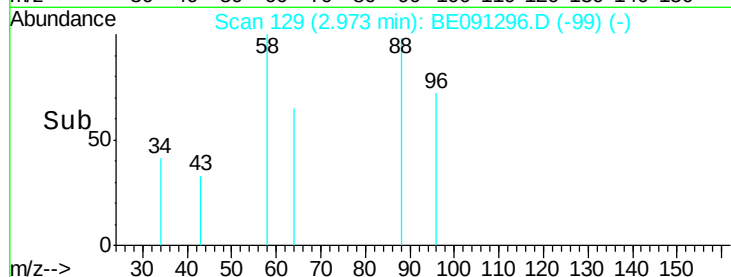
Abundance Ion 88.00 (87.70 to 88.70): BE091296.D (-99) (-)

Ion 58.00 (57.70 to 58.70): BE091296.D (-99) (-)

Ion 43.00 (42.70 to 43.70): BE091296.D (-99) (-)



Time-->



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

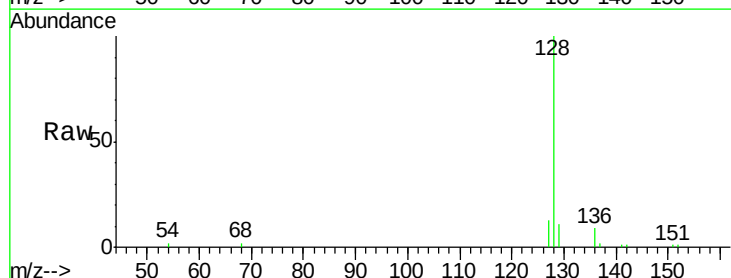
Tgt Ion: 128 Resp: 13974

Ion Ratio Lower Upper

128 100

129 11.2 9.8 14.8

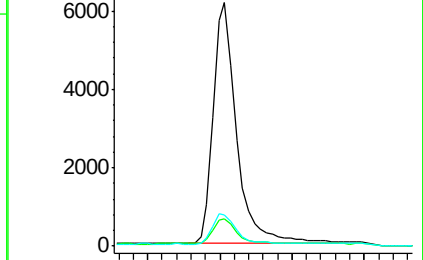
127 13.0 10.7 16.1



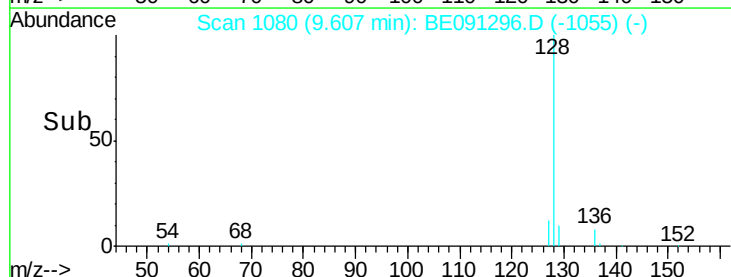
Abundance Ion 128.00 (127.70 to 128.70): BE091296.D (-1055) (-)

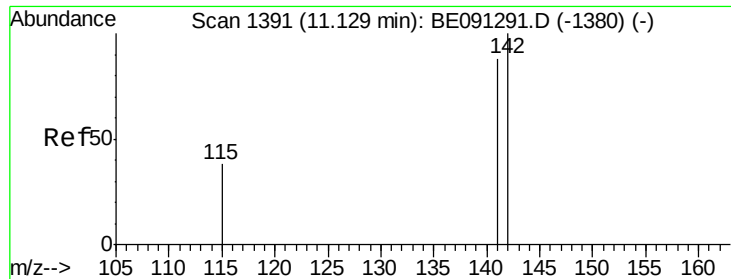
Ion 129.00 (128.70 to 129.70): BE091296.D (-1055) (-)

Ion 127.00 (126.70 to 127.70): BE091296.D (-1055) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.37 ng/ul

RT: 11.13 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

Instrument :

BNA_E

ClientSampleId :

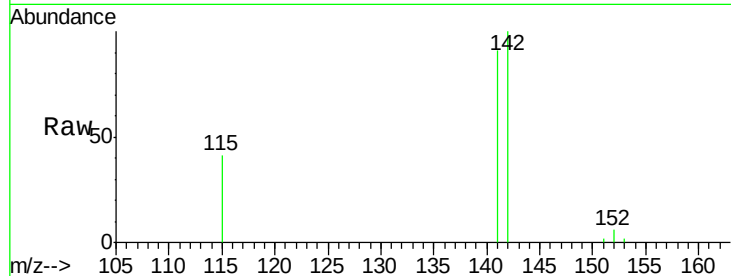
SSTD0.486

Tgt Ion:142 Resp: 8089

Ion Ratio Lower Upper

142 100

141 99.8 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

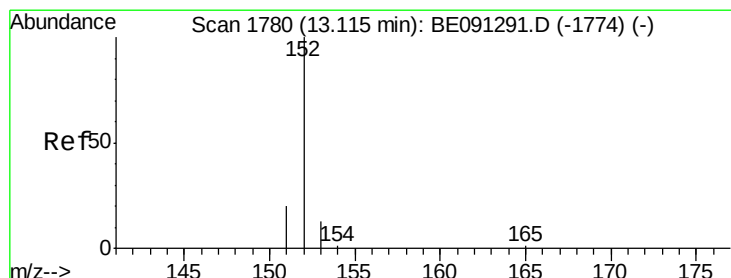
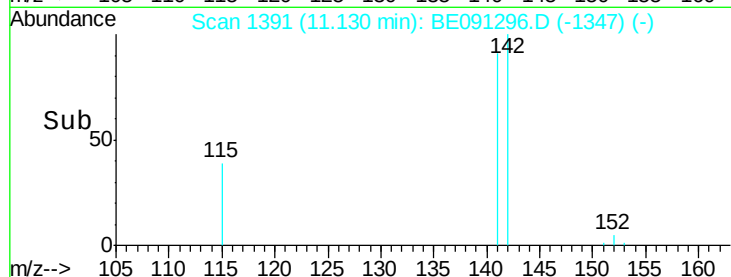
3000

2000

1000

0

Time--> 11.05 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 0.42 ng/ul

RT: 13.12 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

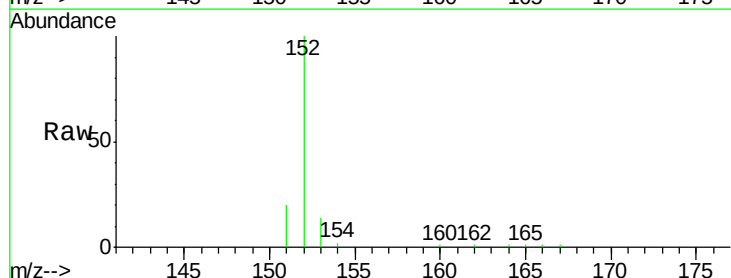
Tgt Ion:152 Resp: 13512

Ion Ratio Lower Upper

152 100

151 19.7 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

13.12

10000

8000

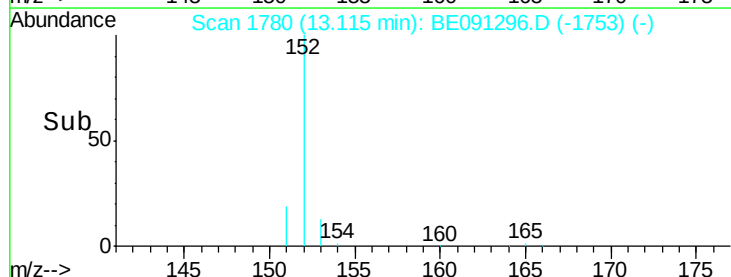
6000

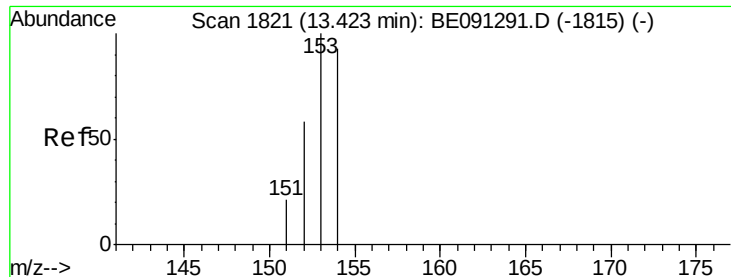
4000

2000

0

Time--> 13.00 13.10 13.20 13.30





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.486

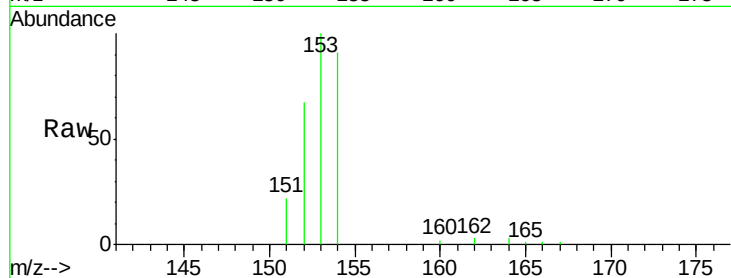
Tgt Ion:153 Resp: 9387

Ion Ratio Lower Upper

153 100

152 66.9 42.3 63.5#

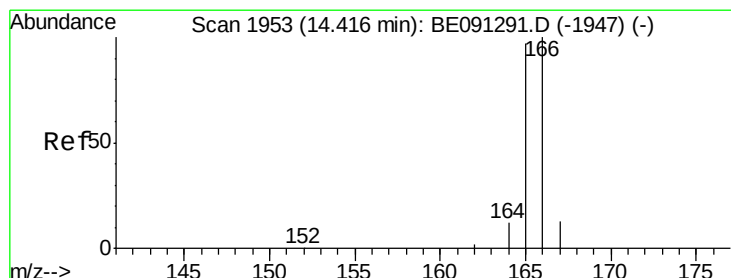
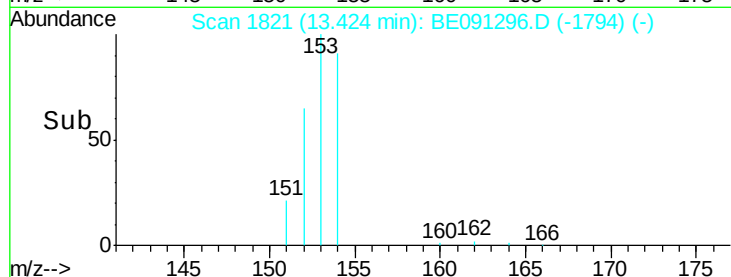
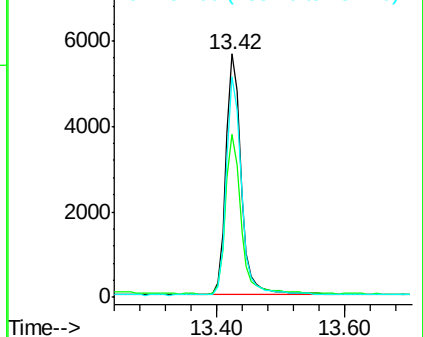
154 90.5 64.7 97.1



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: 0.41 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

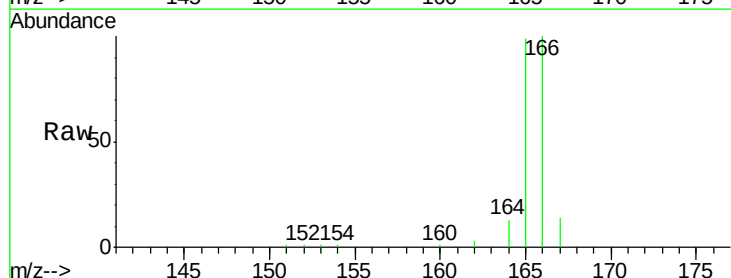
Tgt Ion:166 Resp: 11757

Ion Ratio Lower Upper

166 100

165 98.7 87.6 131.4

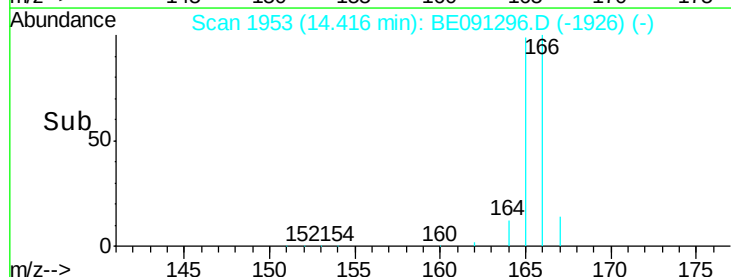
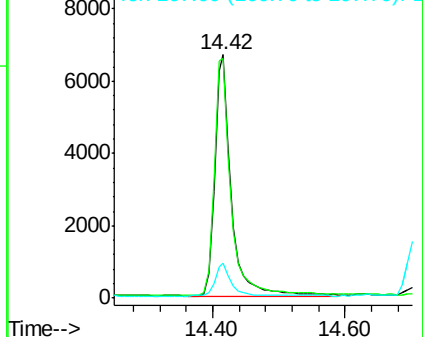
167 14.5 11.1 16.7

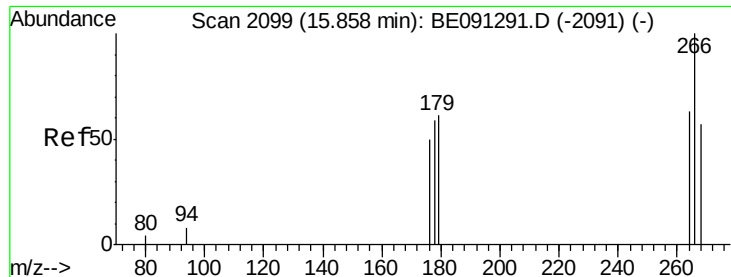


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

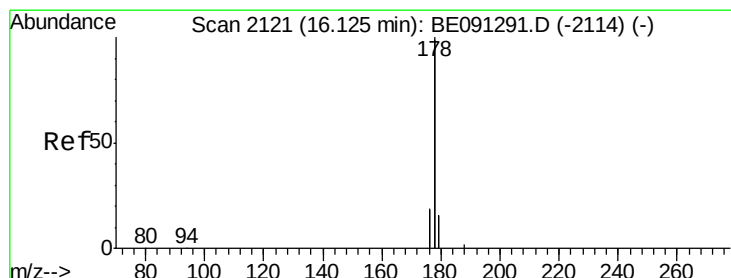
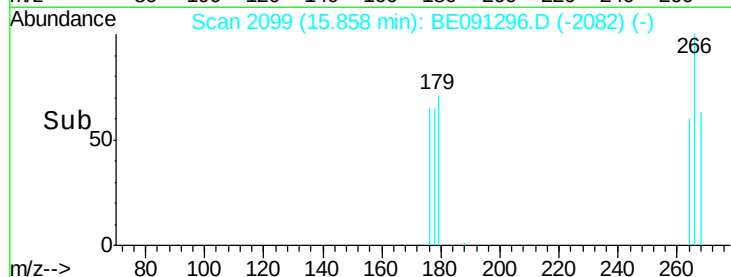
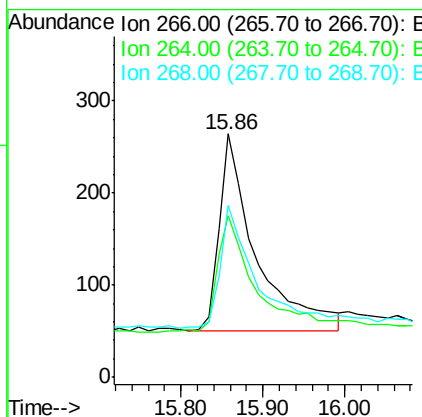
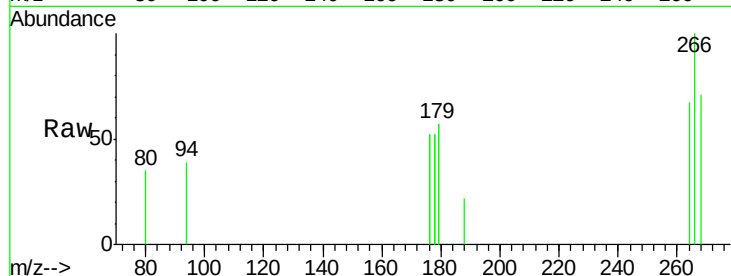




#13
 Pentachlorophenol
 Concen: 0.42 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BE091296.D
 Acq: 23 Nov 2015 12:15

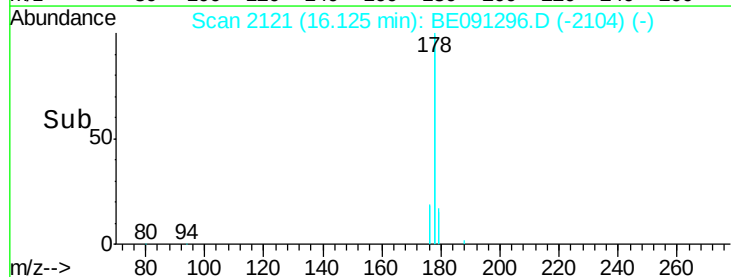
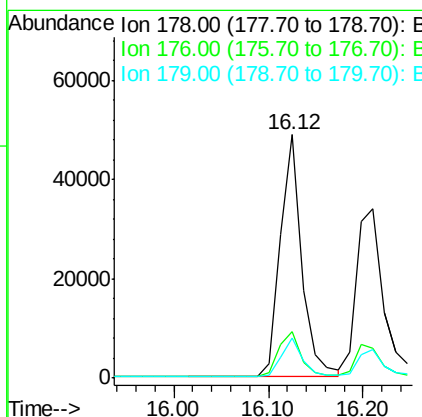
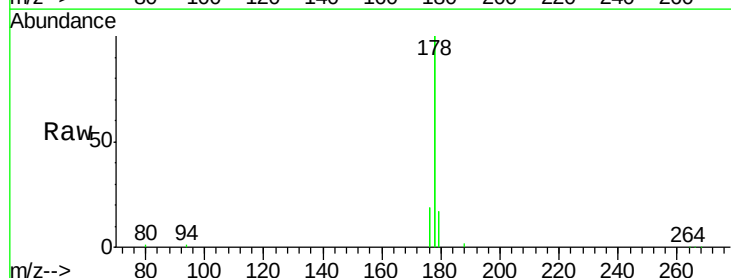
Instrument :
 BNA_E
 ClientSampleId :
 SST0.486

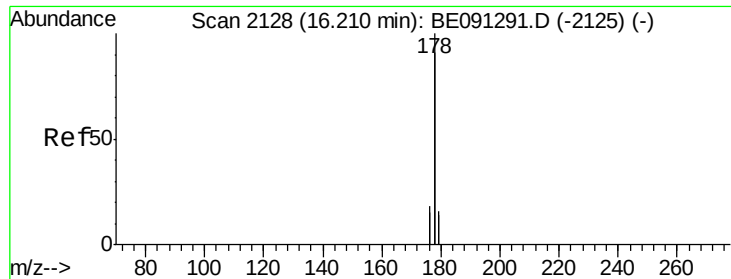
Tgt Ion: 266 Resp: 661
 Ion Ratio Lower Upper
 266 100
 264 64.4 53.5 80.3
 268 65.2 54.2 81.2



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091296.D
 Acq: 23 Nov 2015 12:15

Tgt Ion: 178 Resp: 76969
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 16.6 12.8 19.2





#15

Anthracene

Concen: 0.39 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.486

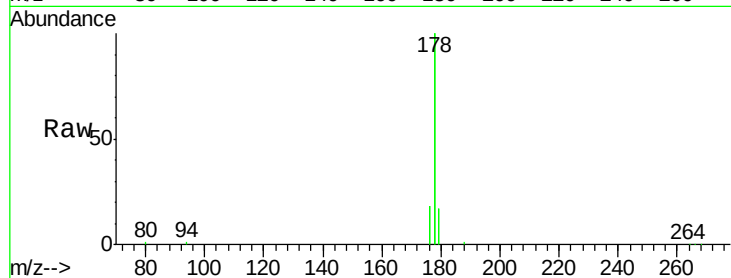
Tgt Ion:178 Resp: 68588

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.8

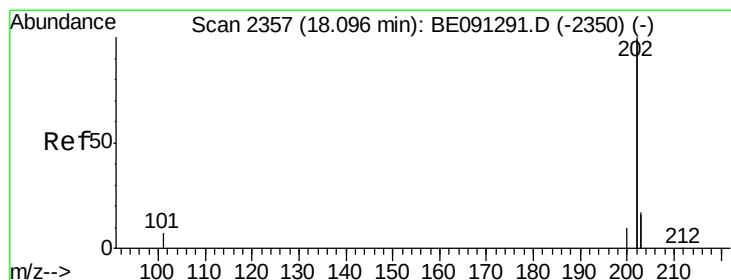
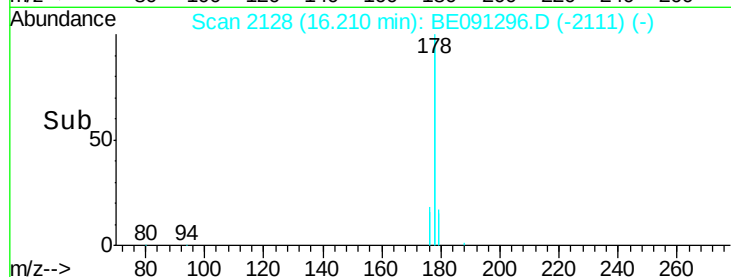
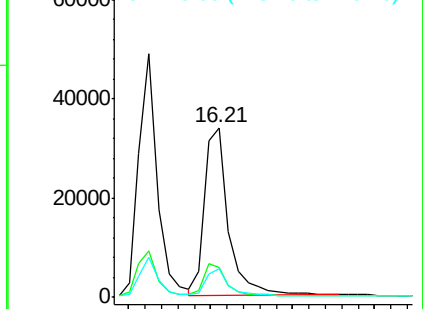
179 17.0 13.3 19.9



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: 0.38 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

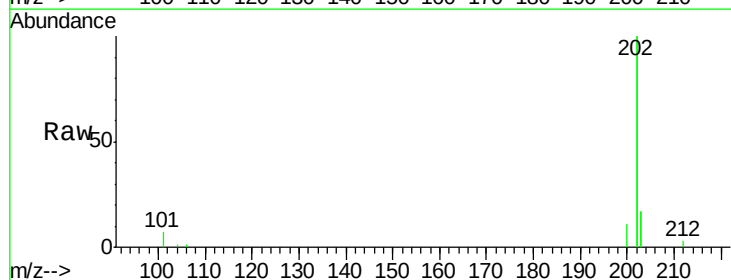
Tgt Ion:202 Resp: 85221

Ion Ratio Lower Upper

202 100

101 3.6 0.0 33.1

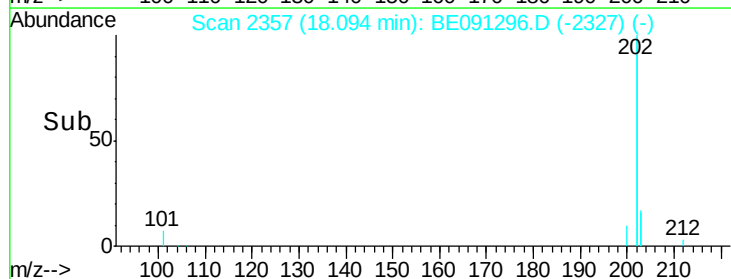
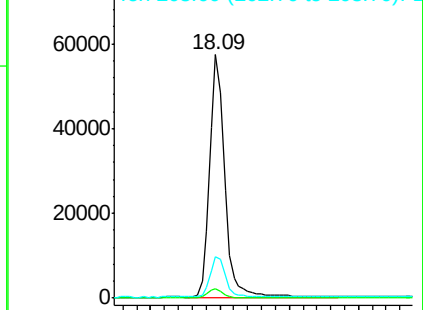
203 17.0 0.0 37.2

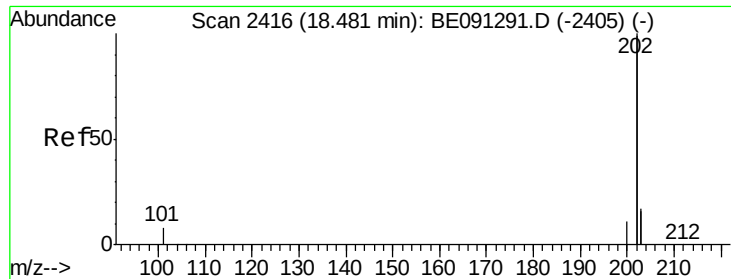


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.40 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.486

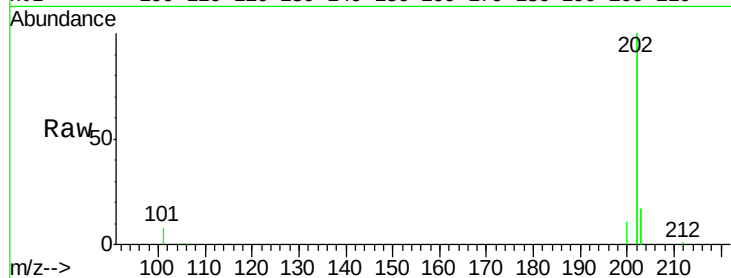
Tgt Ion:202 Resp: 77141

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

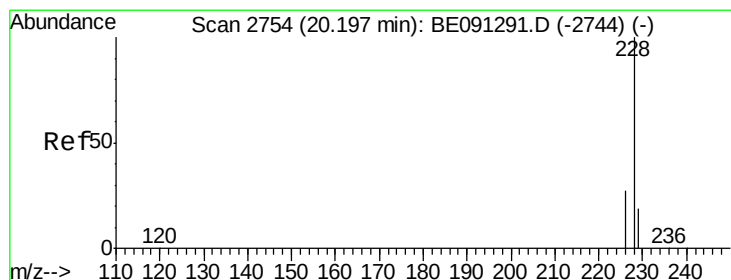
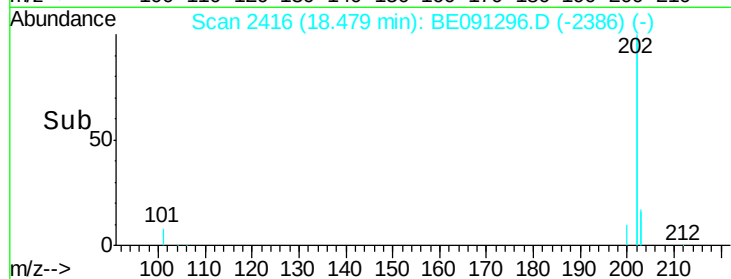
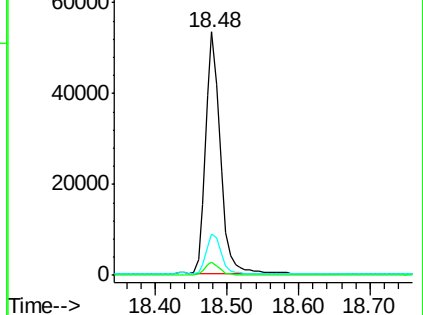
203 17.2 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

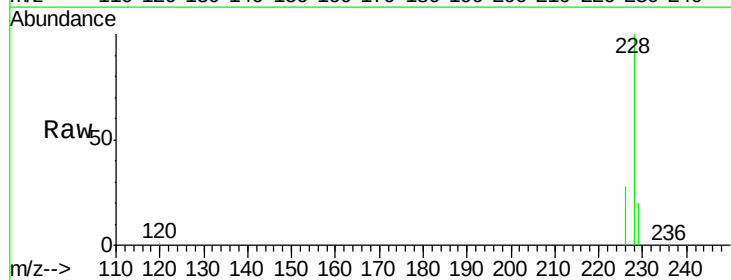
Tgt Ion:228 Resp: 16249

Ion Ratio Lower Upper

228 100

226 27.8 23.0 34.4

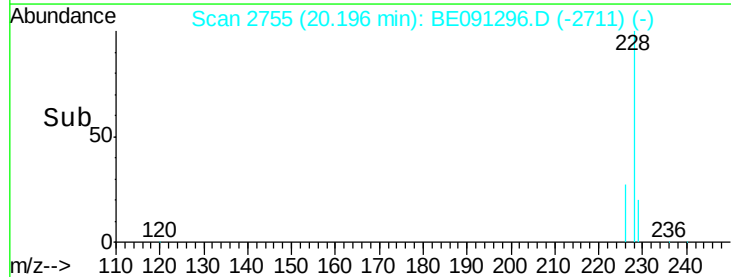
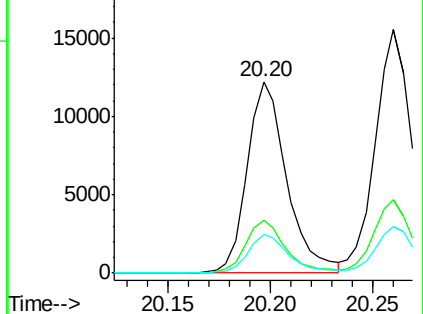
229 20.2 15.2 22.8

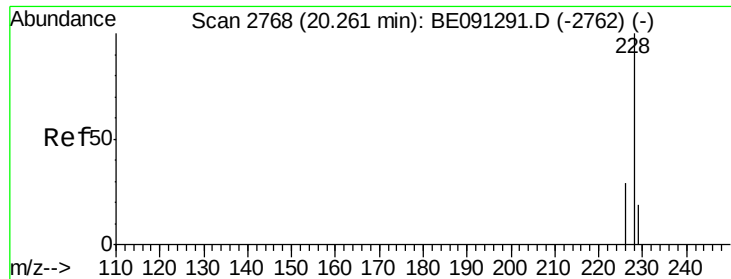


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.42 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.486

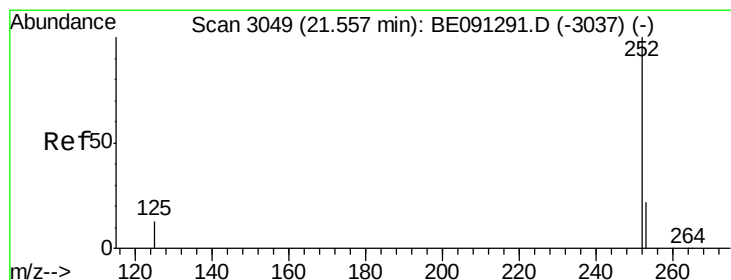
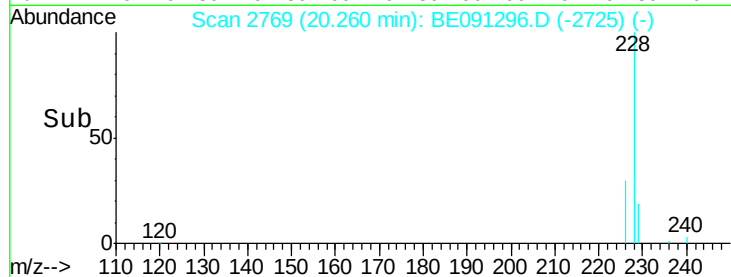
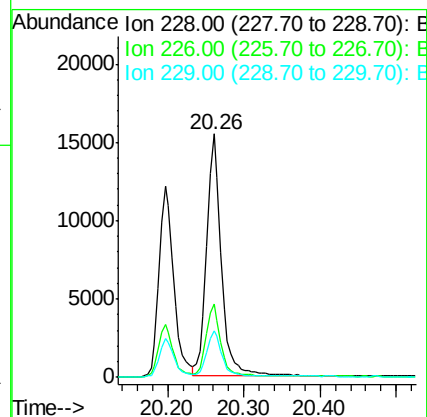
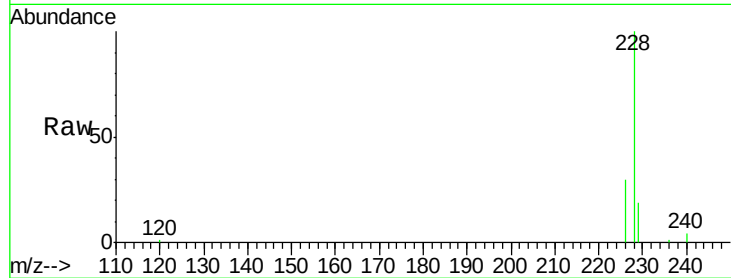
Tgt Ion:228 Resp: 20856

Ion Ratio Lower Upper

228 100

226 30.3 25.7 38.5

229 19.3 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.44 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

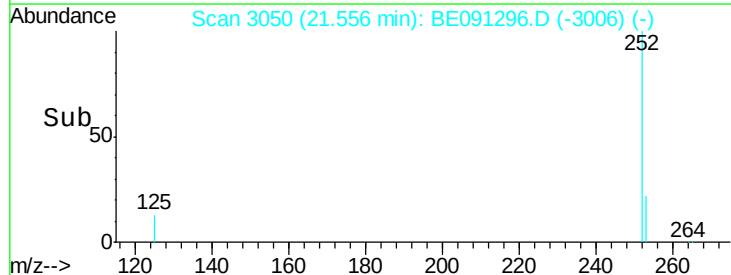
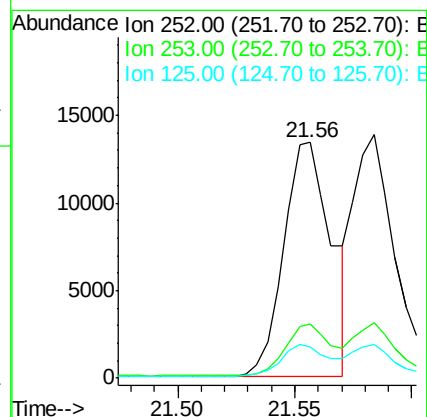
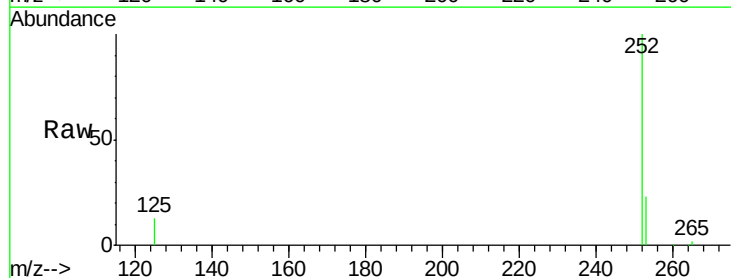
Tgt Ion:252 Resp: 18888

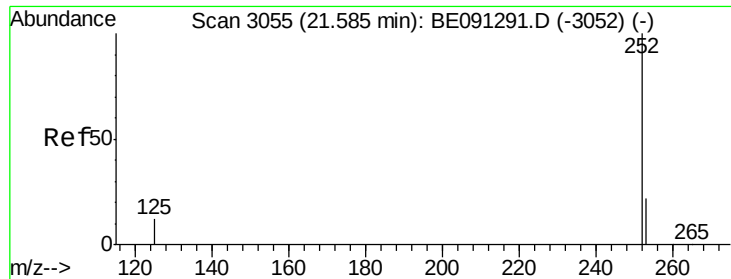
Ion Ratio Lower Upper

252 100

253 23.2 0.0 48.0

125 13.3 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.42 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.486

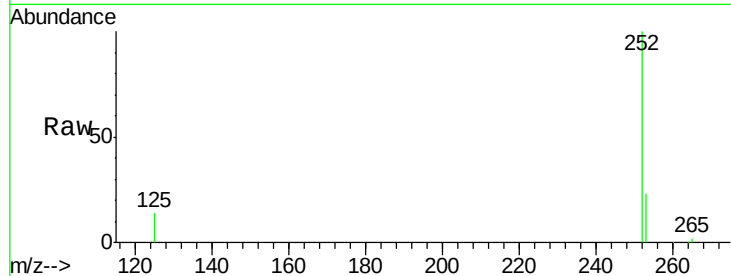
Tgt Ion:252 Resp: 18611

Ion Ratio Lower Upper

252 100

253 22.6 20.8 31.2

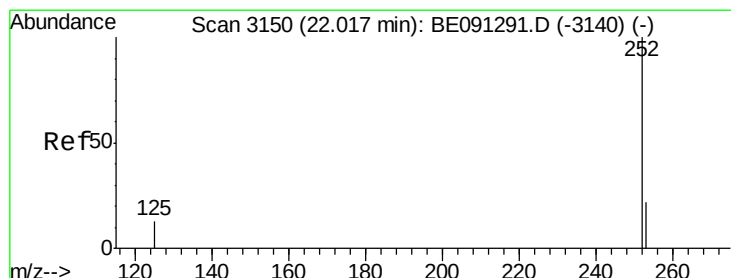
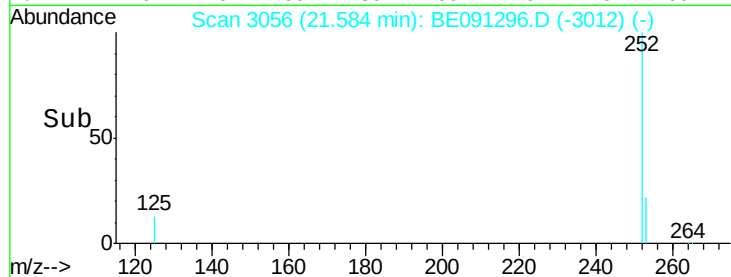
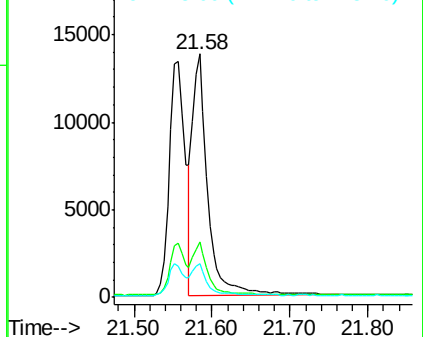
125 13.7 12.2 18.4



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. -0.01 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

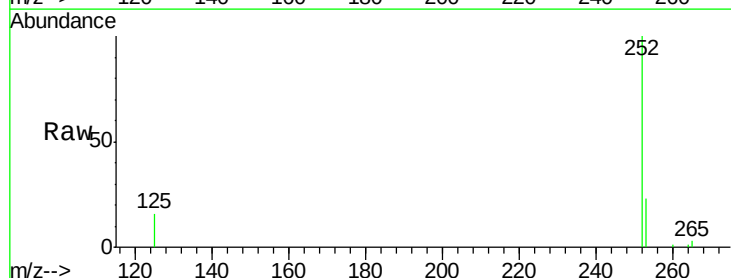
Tgt Ion:252 Resp: 17089

Ion Ratio Lower Upper

252 100

253 23.4 21.8 32.8

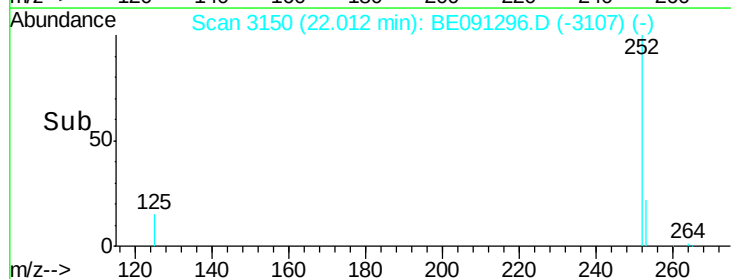
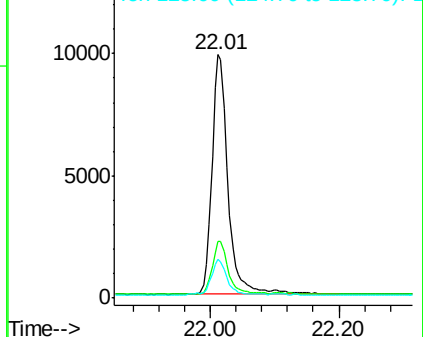
125 16.2 14.5 21.7

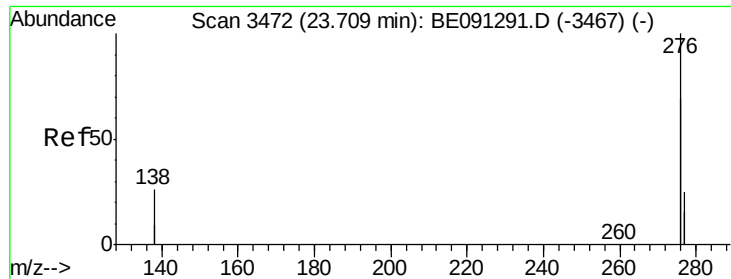


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

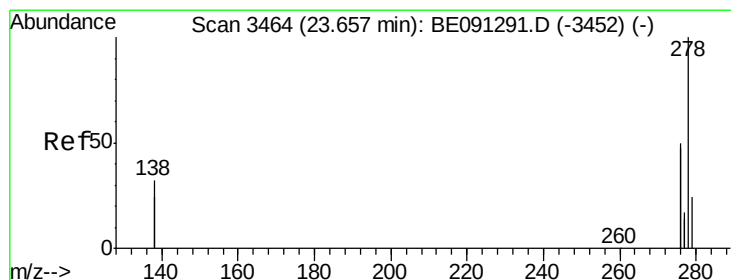
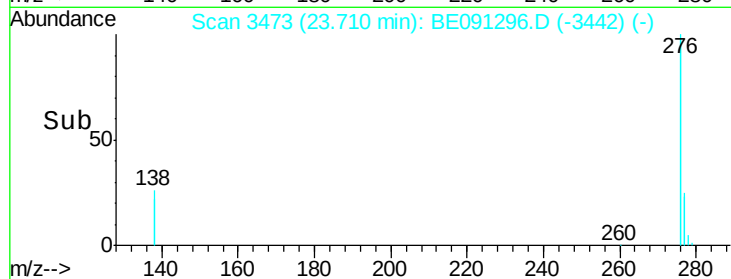
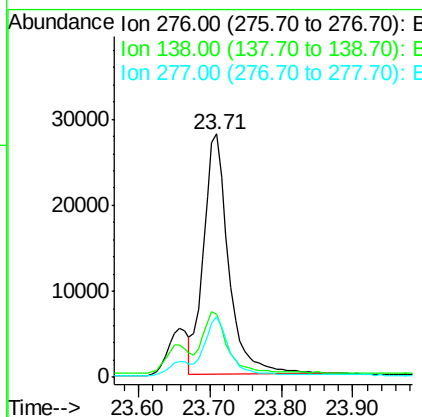
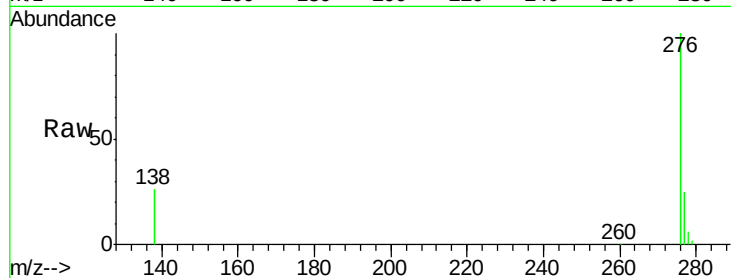




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.41 ng/ul
 RT: 23.71 min Scan# 3473
 Delta R.T. 0.00 min
 Lab File: BE091296.D
 Acq: 23 Nov 2015 12:15

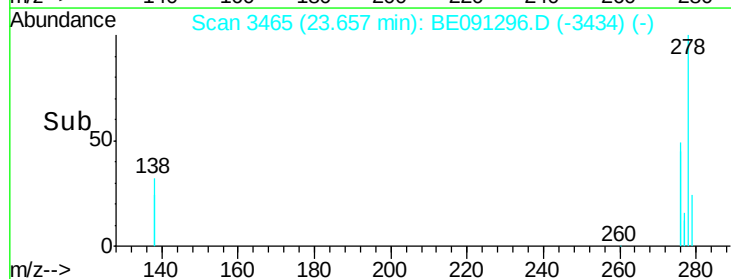
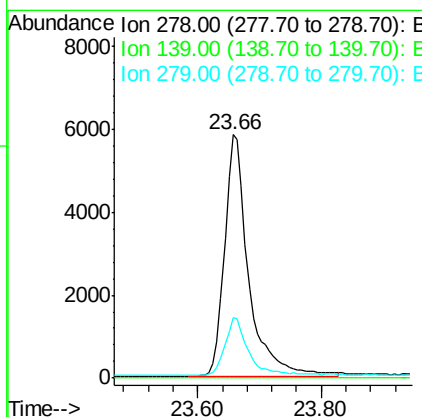
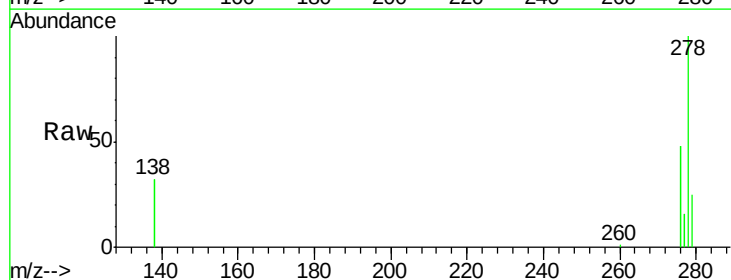
Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.486

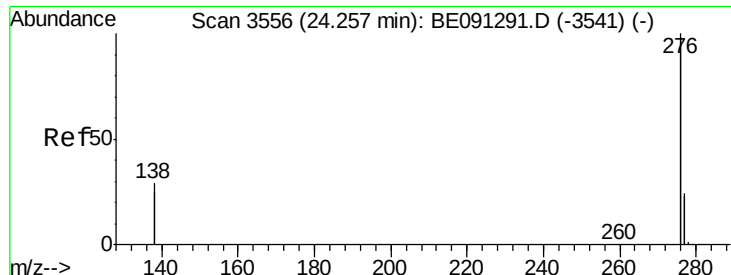
Tgt Ion: 276 Resp: 68189
 Ion Ratio Lower Upper
 276 100
 138 25.1 27.5 41.3#
 277 23.3 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.40 ng/ul
 RT: 23.66 min Scan# 3465
 Delta R.T. 0.00 min
 Lab File: BE091296.D
 Acq: 23 Nov 2015 12:15

Tgt Ion: 278 Resp: 15661
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 25.1 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.41 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BE091296.D

Acq: 23 Nov 2015 12:15

Instrument :

BNA_E

ClientSampleId :

SSTD0.486

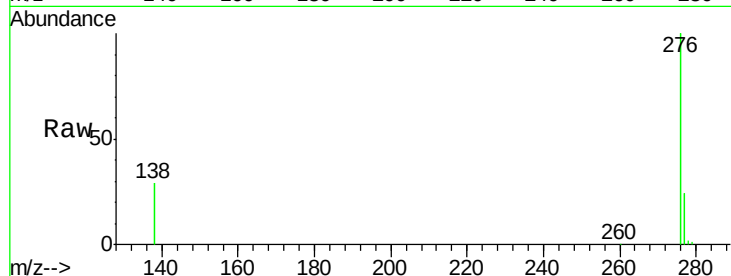
Tgt Ion: 276 Resp: 71308

Ion Ratio Lower Upper

276 100

277 23.8 21.3 31.9

138 28.8 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

