

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091078.D
 Acq On : 5 Nov 2015 22:45
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.487

Quant Time: Nov 06 06:43:24 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 : Fri Nov 06 06:42:14 2015
 Response via : Initial Calibration

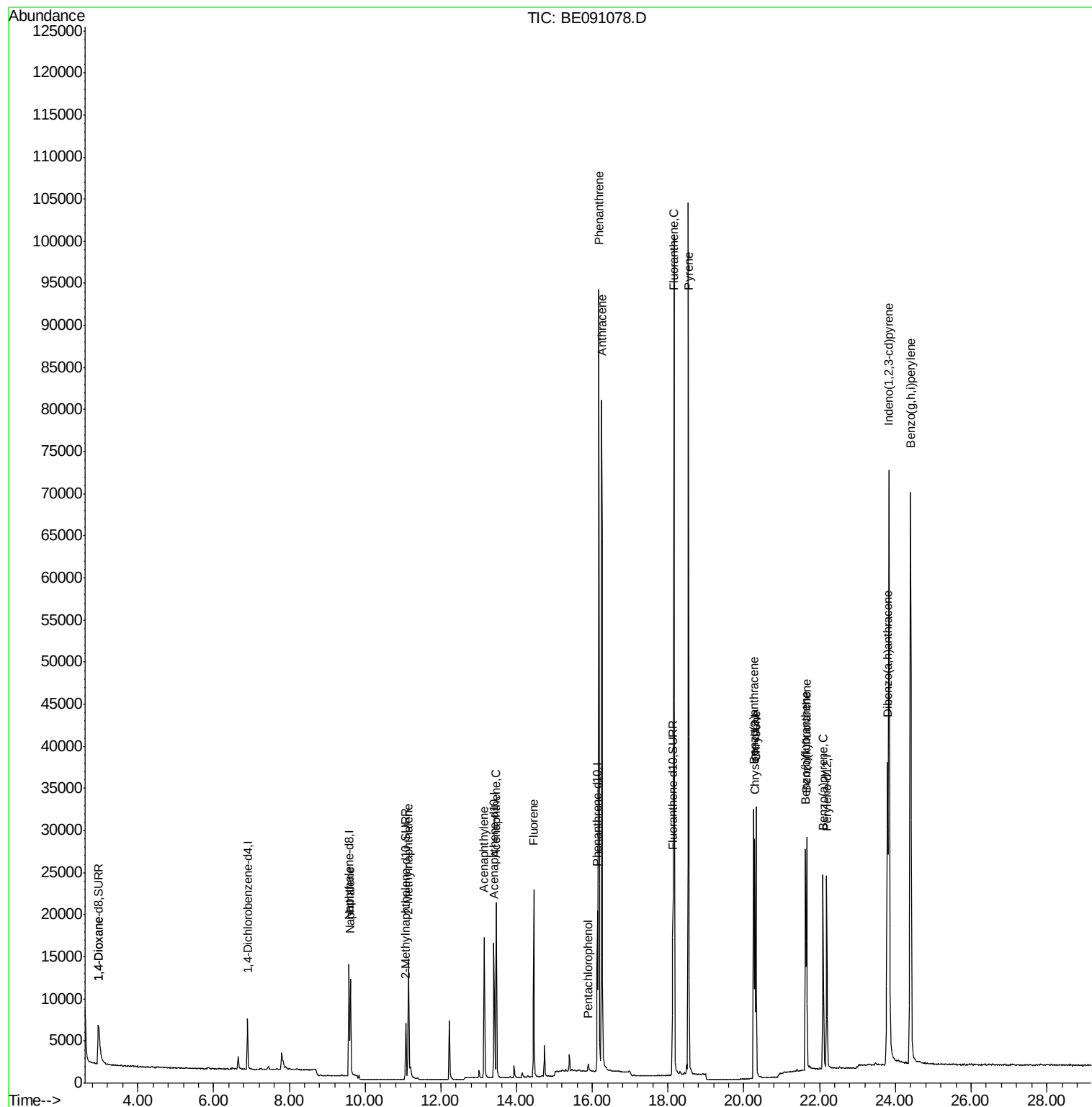
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2988	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16397	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	9321	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	22203	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	24161	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	23687	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	3606	1.68	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.08	152	9128	0.41	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	23045	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.97	88	4044	1.66	ng/ul#	66
5) Naphthalene	9.61	128	15645	0.39	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	10669	0.40	ng/ul	93
9) Acenaphthylene	13.15	152	18119	0.39	ng/ul	98
10) Acenaphthene	13.46	153	12286	0.39	ng/ul	93
11) Fluorene	14.45	166	14455	0.35	ng/ul	89
13) Pentachlorophenol	15.89	266	894	0.42	ng/ul	98
14) Phenanthrene	16.17	178	96812	0.38	ng/ul	97
15) Anthracene	16.25	178	94110	0.40	ng/ul	97
17) Fluoranthene	18.15	202	109387	0.36	ng/ul	90
19) Pyrene	18.54	202	108351	0.39	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	26135	0.42	ng/ul	98
21) Chrysene	20.32	228	26227	0.37	ng/ul	99
23) Benzo(b)fluoranthene	21.62	252	27918	0.38	ng/ul	95
24) Benzo(k)fluoranthene	21.66	252	26147	0.34	ng/ul	95
25) Benzo(a)pyrene	22.09	252	26309	0.39	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.83	276	127983	0.45	ng/ul#	80
27) Dibenzo(a,h)anthracene	23.79	278	26252	0.38	ng/ul#	71
28) Benzo(g,h,i)perylene	24.40	276	108793	0.36	ng/ul	94

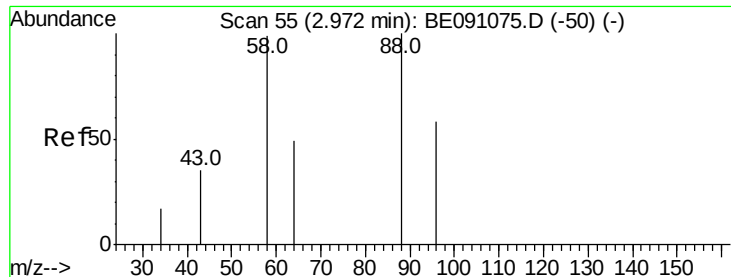
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091078.D
Acq On : 5 Nov 2015 22:45
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Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.487

Quant Time: Nov 06 06:43:24 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 : Fri Nov 06 06:42:14 2015
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#3

1,4-Dioxane

Concen: 1.66 ng/ul

RT: 2.97 min Scan# 55

Delta R.T. 0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

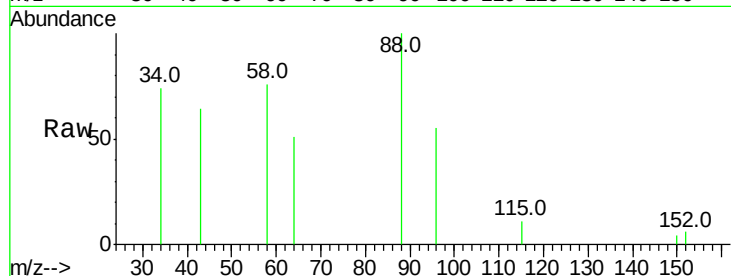
Tot Ion: 88 Resp: 4044

Ion Ratio Lower Upper

88 100

58 101.0 55.4 83.2#

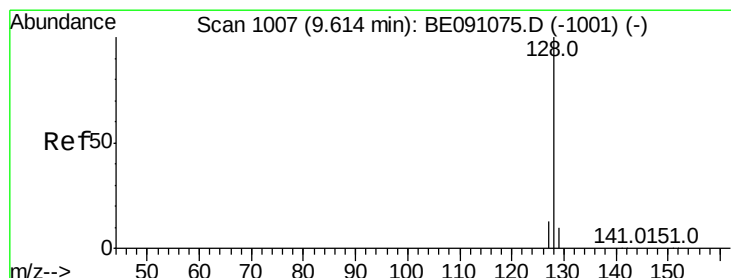
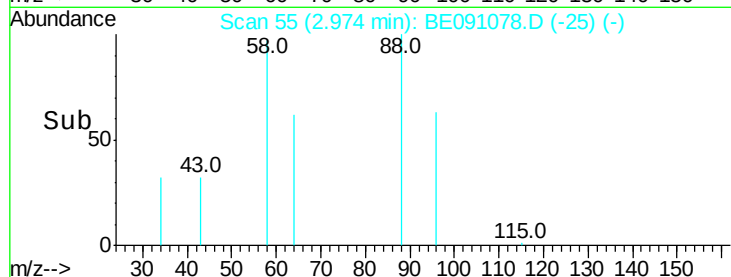
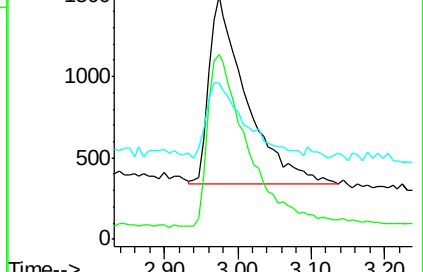
43 42.3 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091075.D (-50) (-)

Ion 58.00 (57.70 to 58.70): BE091075.D (-50) (-)

Ion 43.00 (42.70 to 43.70): BE091075.D (-50) (-)



#5

Naphthalene

Concen: 0.39 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

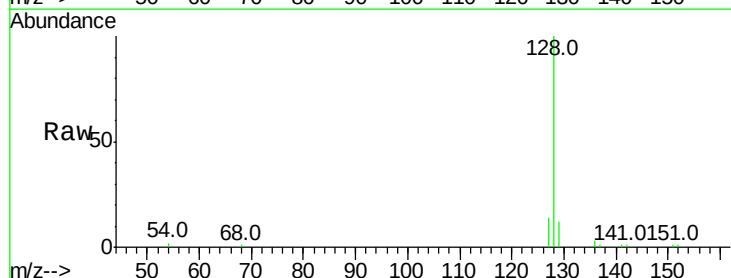
Tgt Ion: 128 Resp: 15645

Ion Ratio Lower Upper

128 100

129 12.0 9.8 14.8

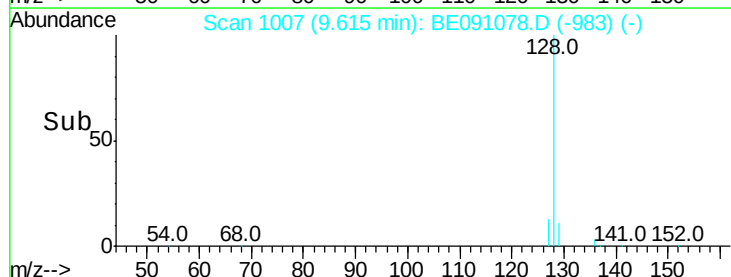
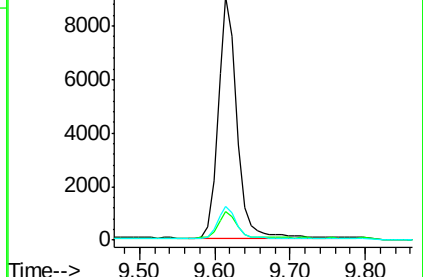
127 13.7 10.7 16.1

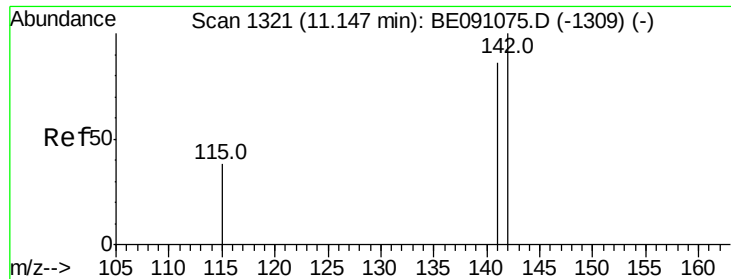


Abundance Ion 128.00 (127.70 to 128.70): BE091075.D (-1001) (-)

Ion 129.00 (128.70 to 129.70): BE091075.D (-1001) (-)

Ion 127.00 (126.70 to 127.70): BE091075.D (-1001) (-)





#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

Instrument :

BNA_E

ClientSampleId :

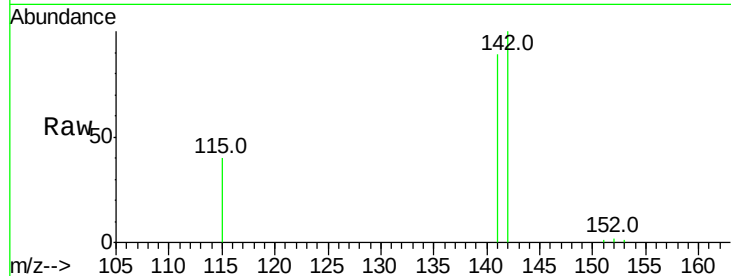
SSTD0.487

Tot Ion:142 Resp: 10669

Ion Ratio Lower Upper

142 100

141 94.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.14

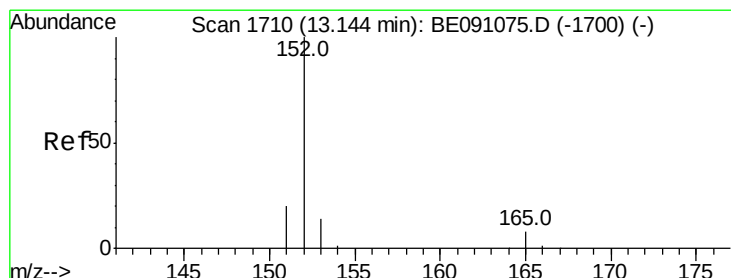
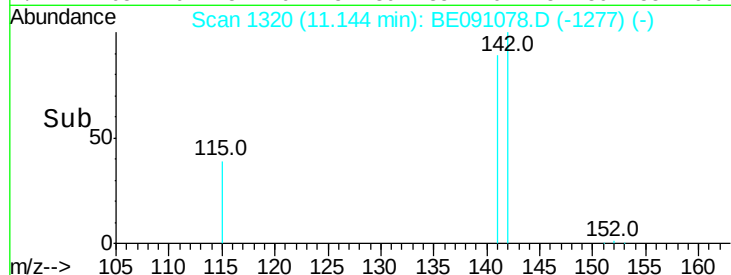
6000

4000

2000

0

Time--> 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 0.39 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

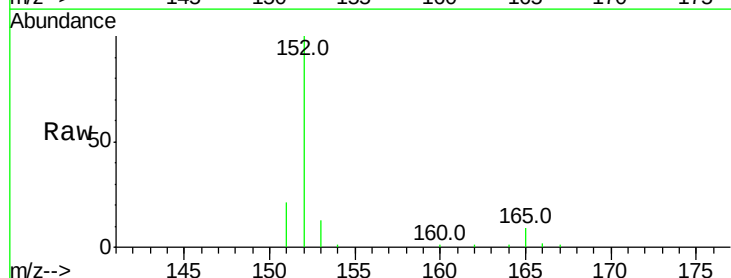
Tgt Ion:152 Resp: 18119

Ion Ratio Lower Upper

152 100

151 21.3 16.8 25.2

153 12.6 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

13.15

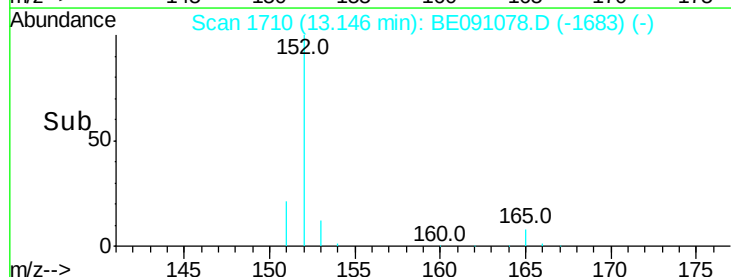
15000

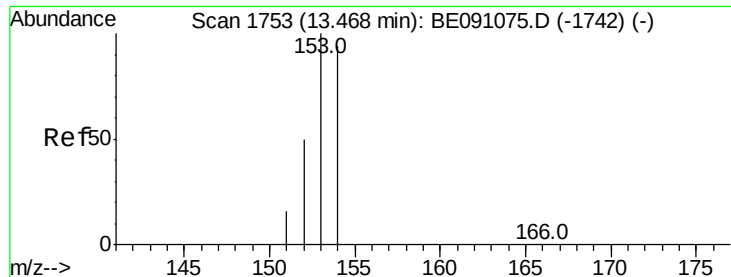
10000

5000

0

Time--> 13.10 13.20 13.30





#10

Acenaphthene

Concen: 0.39 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

Instrument :

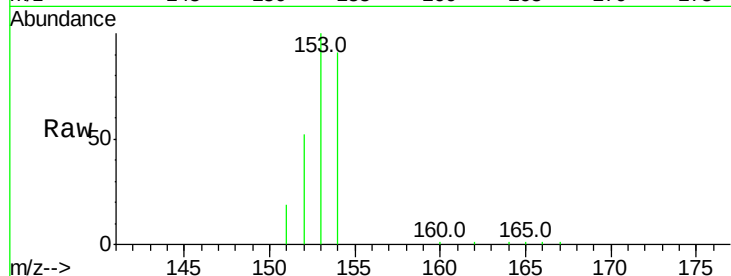
BNA_E

ClientSampleId :

SSTD0.487

Tot Ion:153 Resp: 12286

Ion	Ratio	Lower	Upper
153	100		
152	52.5	42.3	63.5
154	91.2	64.7	97.1

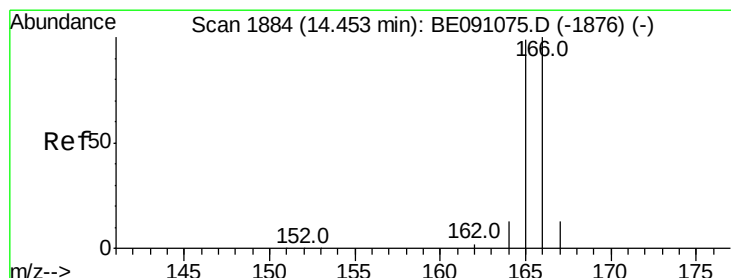
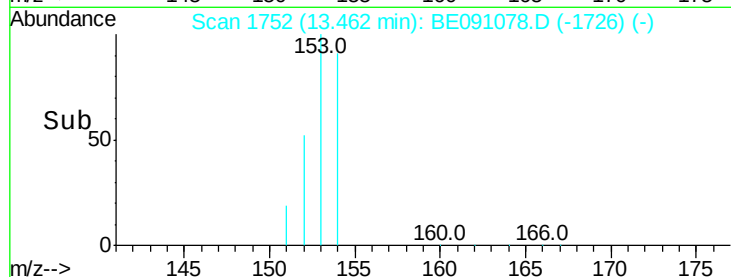
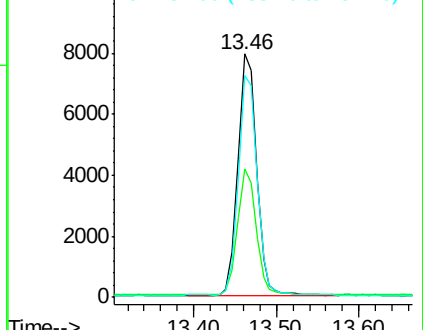


Abundance

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: 0.35 ng/ul

RT: 14.45 min Scan# 1884

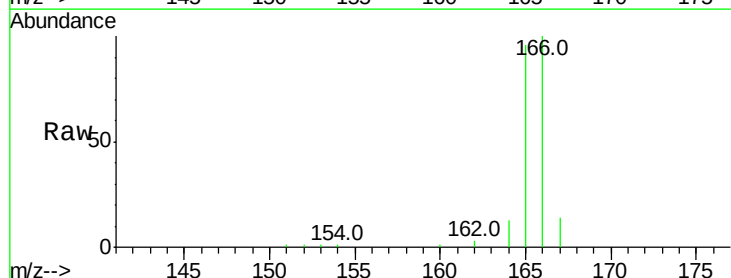
Delta R.T. 0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

Tgt Ion:166 Resp: 14455

Ion	Ratio	Lower	Upper
166	100		
165	96.4	87.6	131.4
167	14.1	11.1	16.7

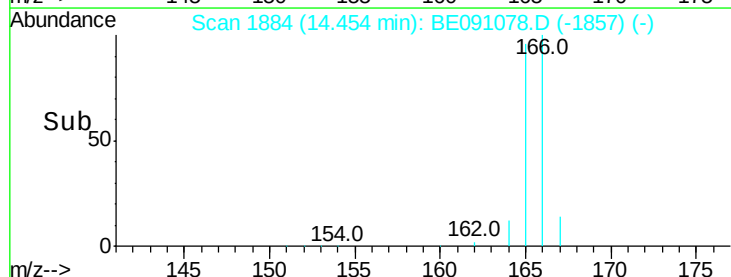
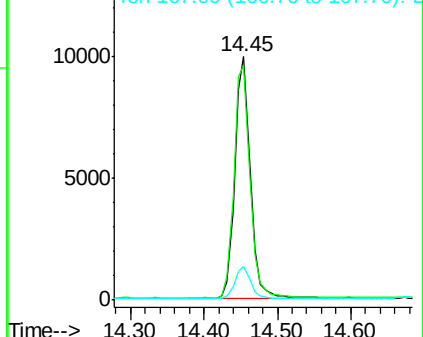


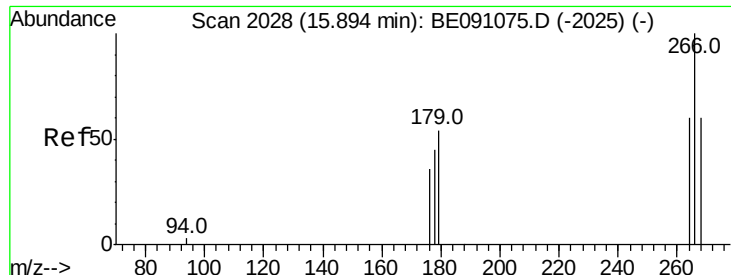
Abundance

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

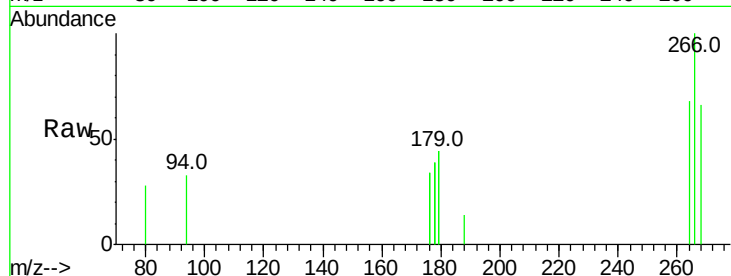




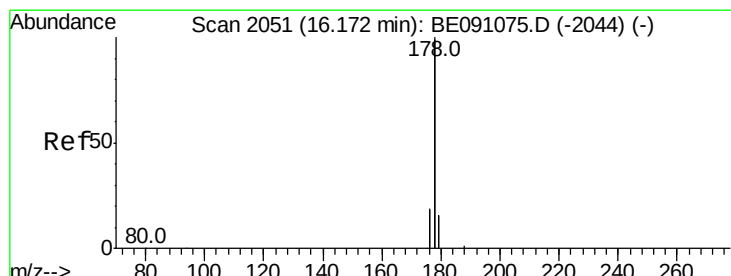
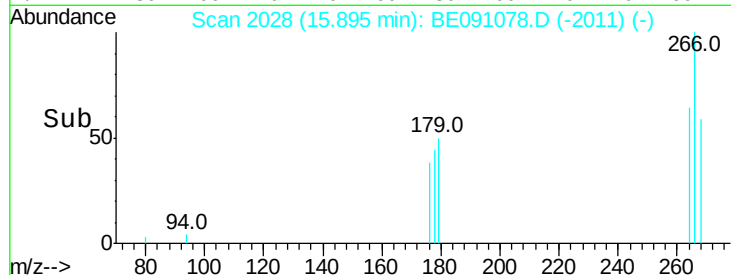
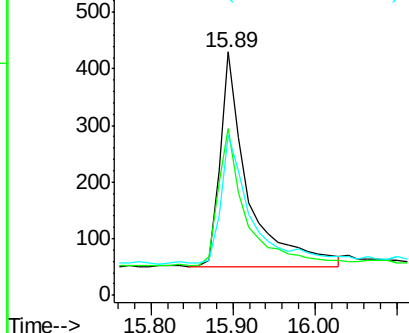
#13
 Pentachlorophenol
 Concen: 0.42 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BE091078.D
 Acq: 5 Nov 2015 22:45

Instrument :
 BNA_E
 ClientSampleId :
 SST00.487

Tot Ion:266 Resp: 894
 Ion Ratio Lower Upper
 266 100
 264 65.5 53.5 80.3
 268 66.6 54.2 81.2

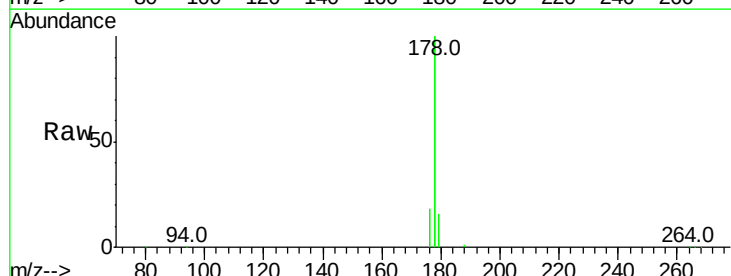


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

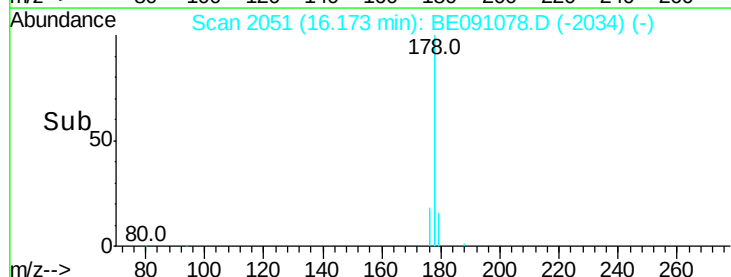
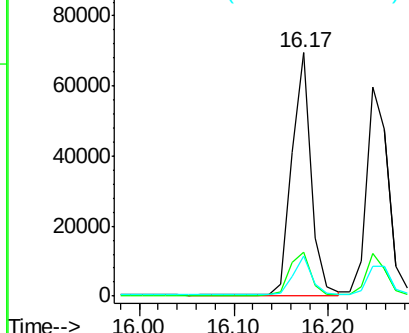


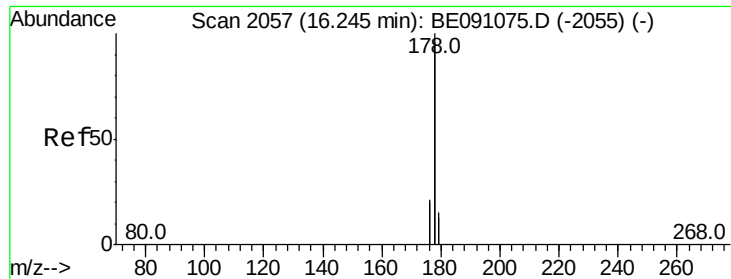
#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. 0.00 min
 Lab File: BE091078.D
 Acq: 5 Nov 2015 22:45

Tgt Ion:178 Resp: 96812
 Ion Ratio Lower Upper
 178 100
 176 18.1 16.2 24.4
 179 16.4 12.8 19.2



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

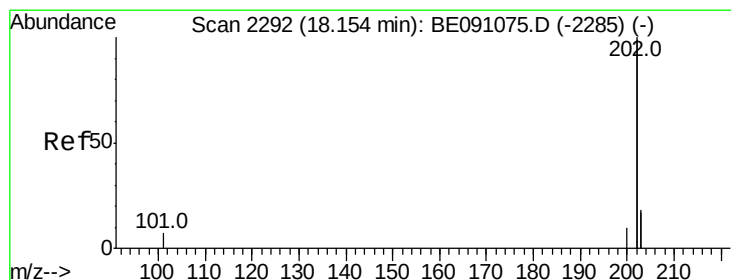
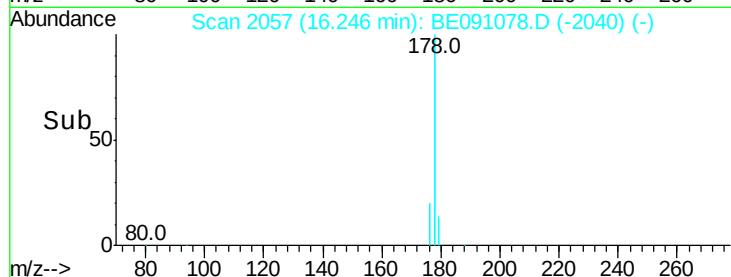
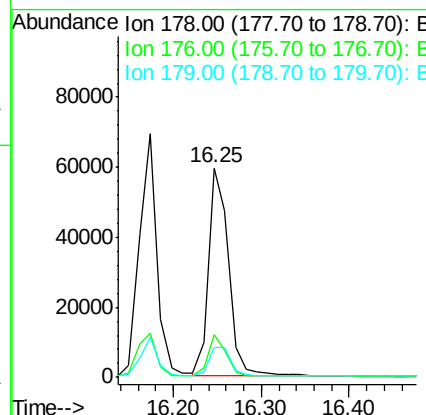
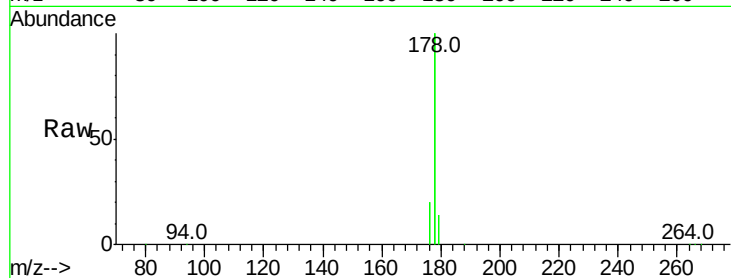




#15
 Anthracene
 Concen: 0.40 ng/ul
 RT: 16.25 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: BE091078.D
 Acq: 5 Nov 2015 22:45

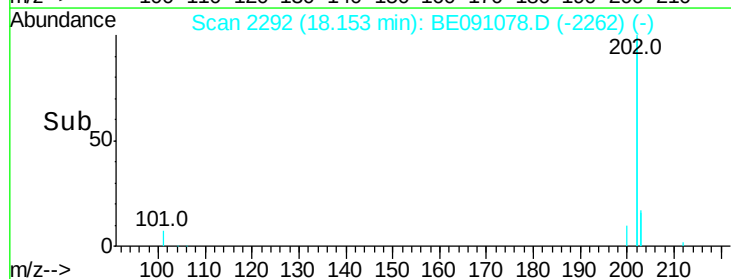
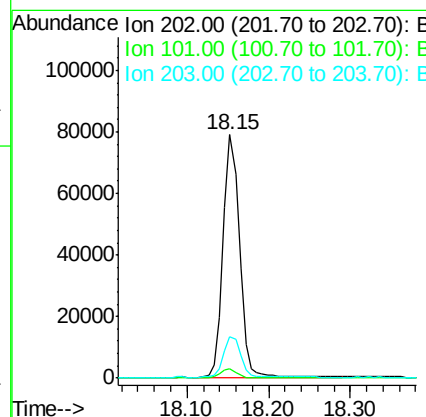
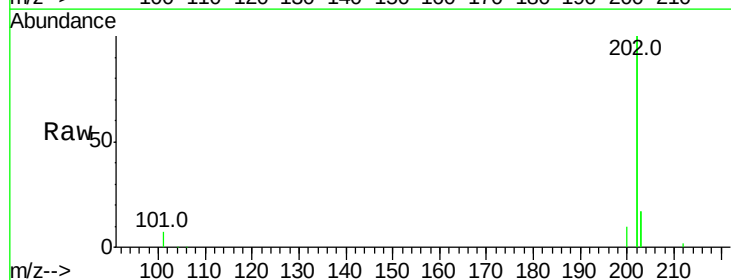
Instrument :
 BNA_E
 ClientSampleId :
 SST0.487

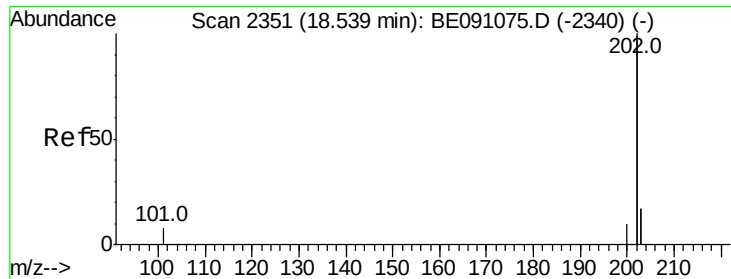
Tot Ion:178 Resp: 94110
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.8 23.8
 179 14.4 13.3 19.9



#17
 Fluoranthene
 Concen: 0.36 ng/ul
 RT: 18.15 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BE091078.D
 Acq: 5 Nov 2015 22:45

Tgt Ion:202 Resp: 109387
 Ion Ratio Lower Upper
 202 100
 101 3.6 0.0 33.1
 203 17.1 0.0 37.2





#19

Pvrene

Concen: 0.39 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

Instrument :

BNA_E

ClientSampled :

SSTD0.487

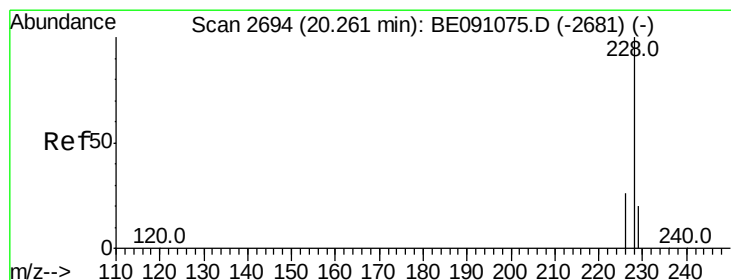
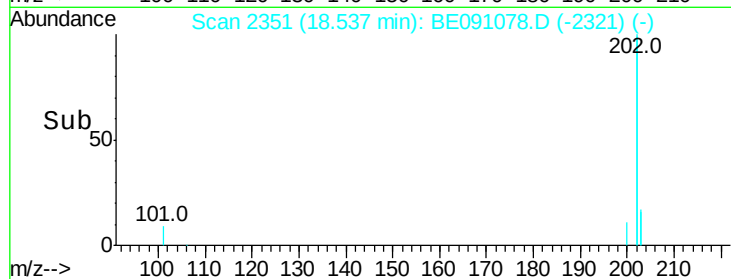
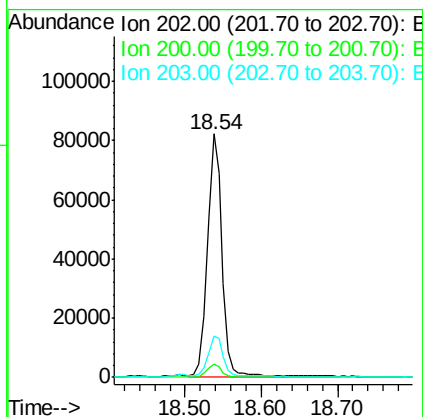
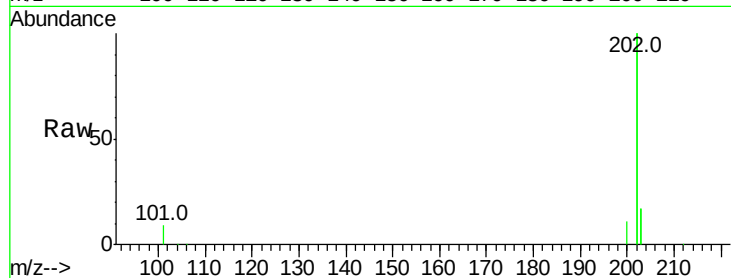
Tot Ion:202 Resp: 108351

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 17.1 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. -0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

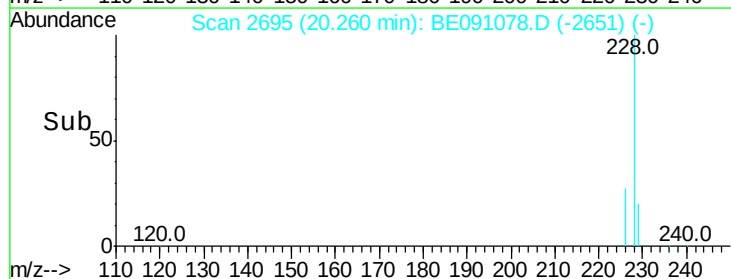
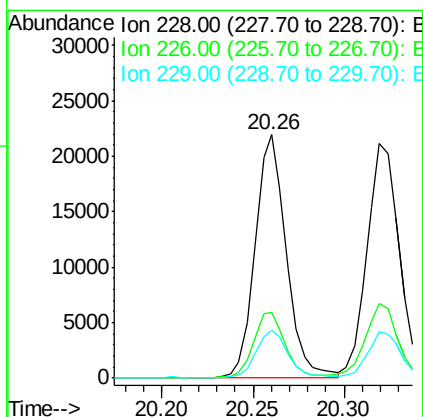
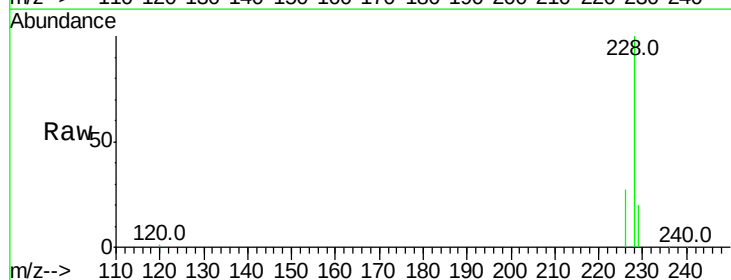
Tgt Ion:228 Resp: 26135

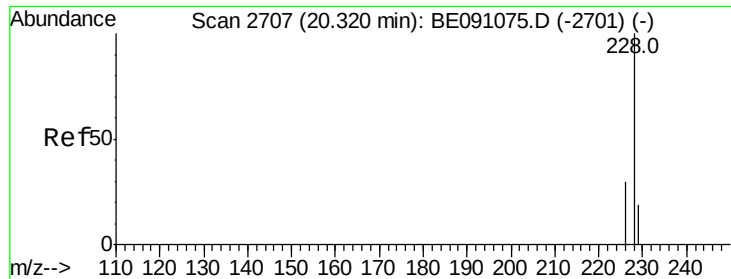
Ion Ratio Lower Upper

228 100

226 27.2 23.0 34.4

229 19.8 15.2 22.8





#21

Chrysene

Concen: 0.37 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. -0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

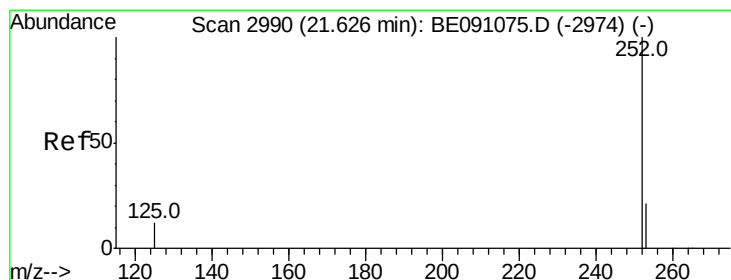
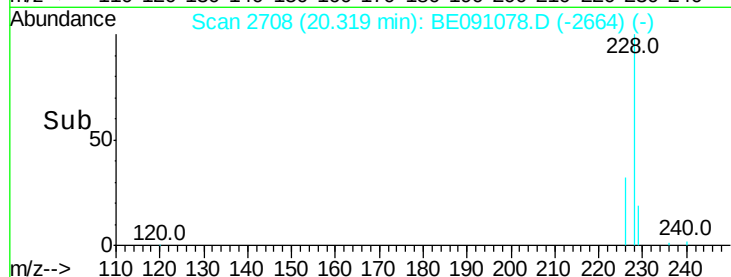
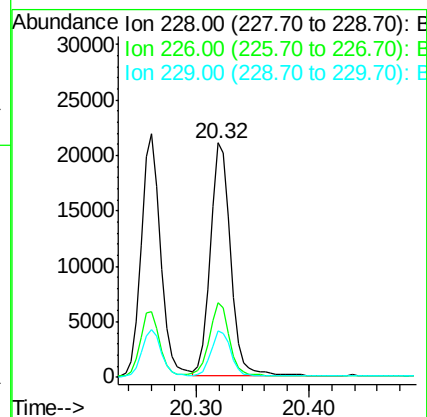
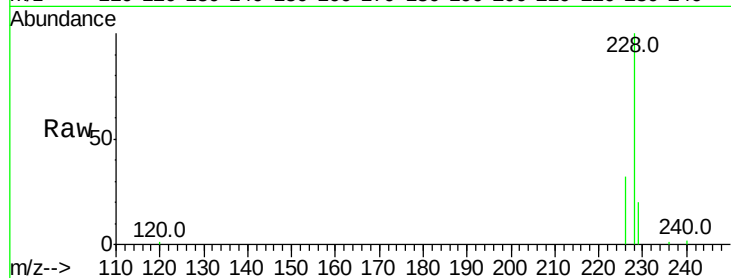
Tot Ion:228 Resp: 26227

Ion Ratio Lower Upper

228 100

226 31.9 25.7 38.5

229 19.8 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 21.62 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

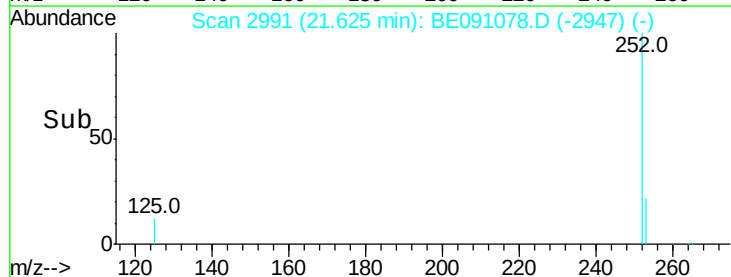
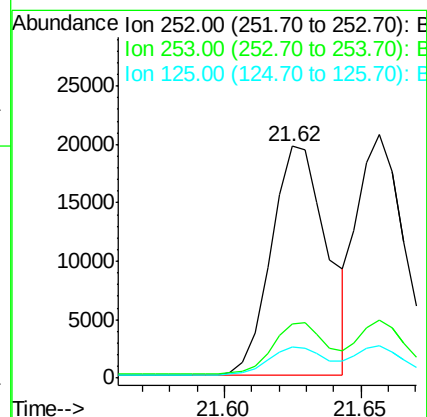
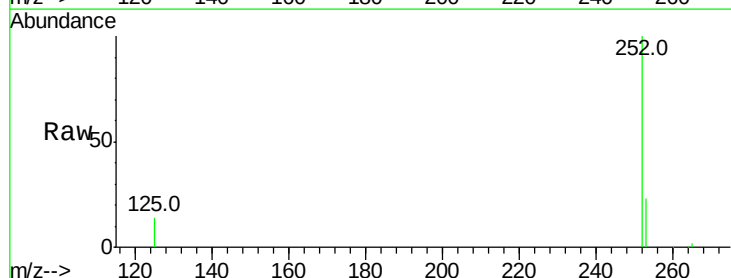
Tgt Ion:252 Resp: 27918

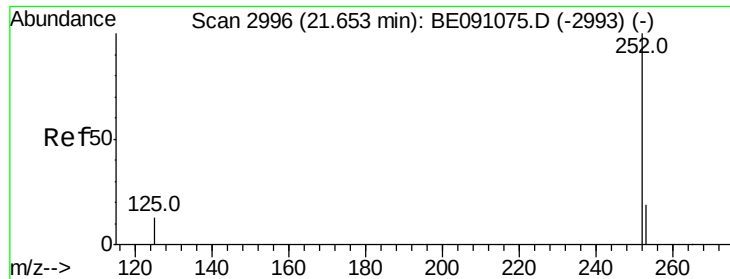
Ion Ratio Lower Upper

252 100

253 23.5 0.0 48.0

125 13.6 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.34 ng/ul

RT: 21.66 min Scan# 2998

Delta R.T. 0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

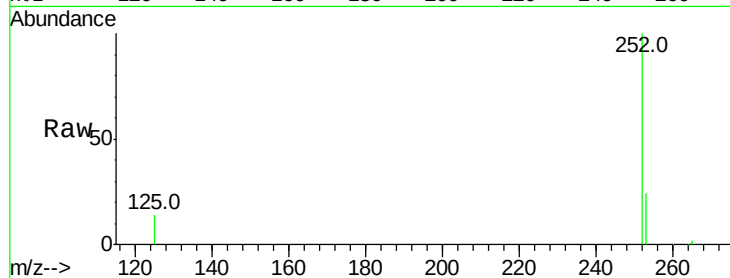
Tot Ion:252 Resp: 26147

Ion Ratio Lower Upper

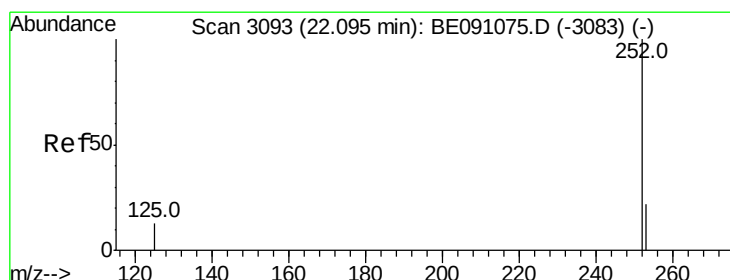
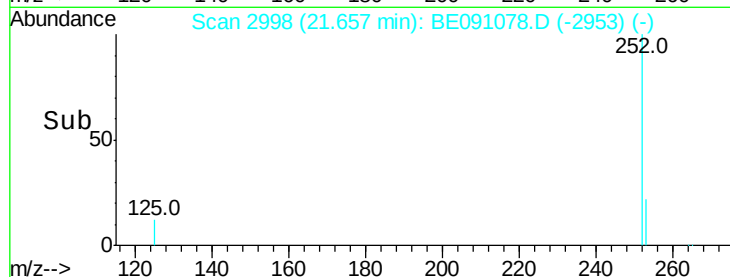
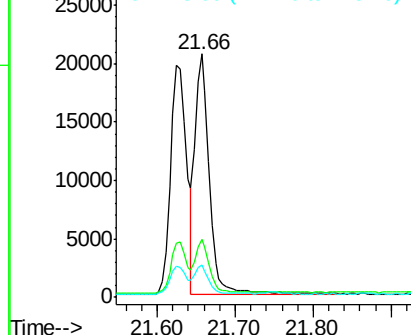
252 100

253 23.6 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: 0.39 ng/ul

RT: 22.09 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

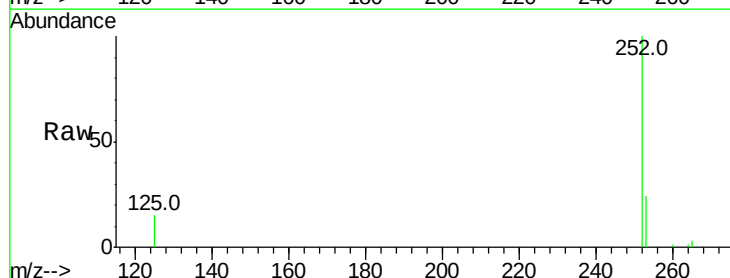
Tgt Ion:252 Resp: 26309

Ion Ratio Lower Upper

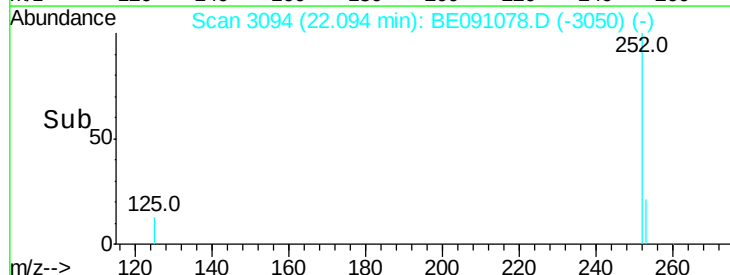
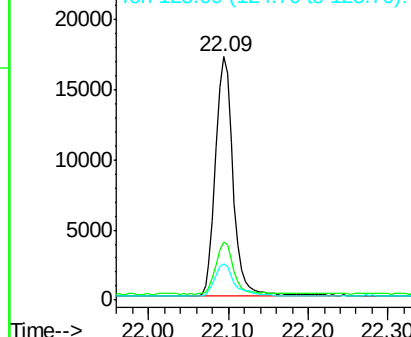
252 100

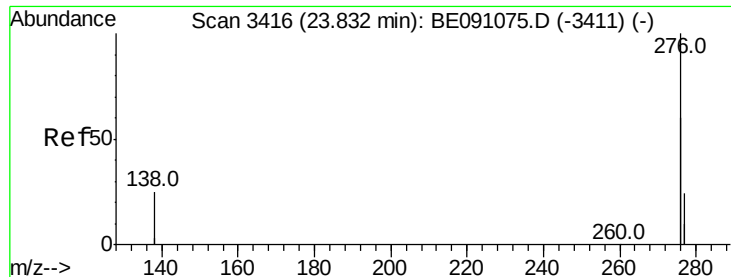
253 23.6 21.8 32.8

125 15.0 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

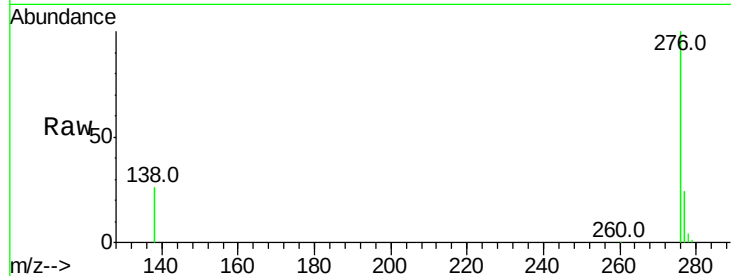




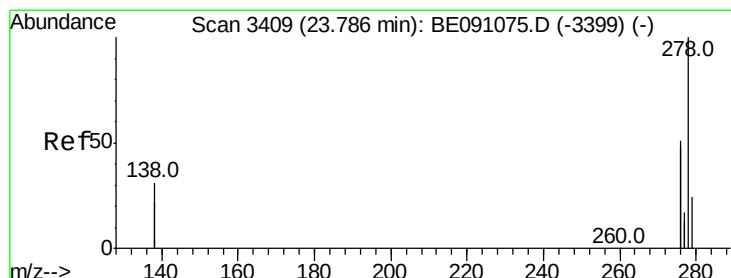
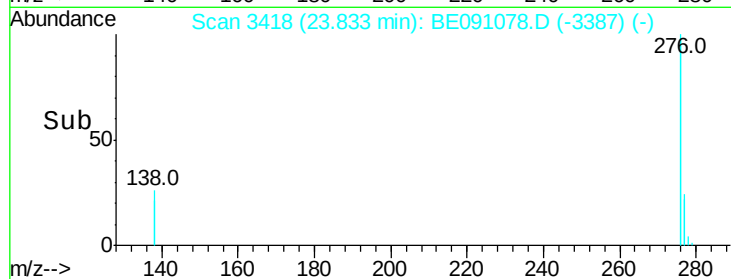
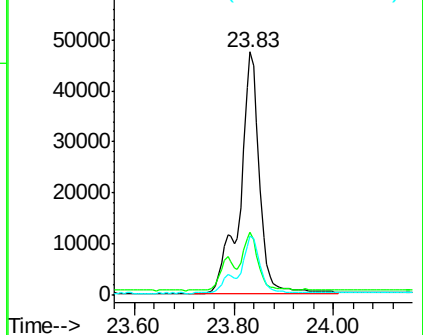
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.45 ng/ul
 RT: 23.83 min Scan# 3418
 Delta R.T. 0.00 min
 Lab File: BE091078.D
 Acq: 5 Nov 2015 22:45

Instrument :
 BNA_E
 ClientSampleId :
 SST00.487

Tot Ion:276 Resp: 127983
 Ion Ratio Lower Upper
 276 100
 138 19.1 27.5 41.3#
 277 19.2 19.3 28.9#

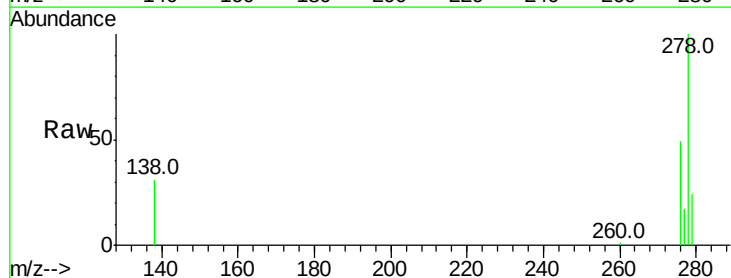


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

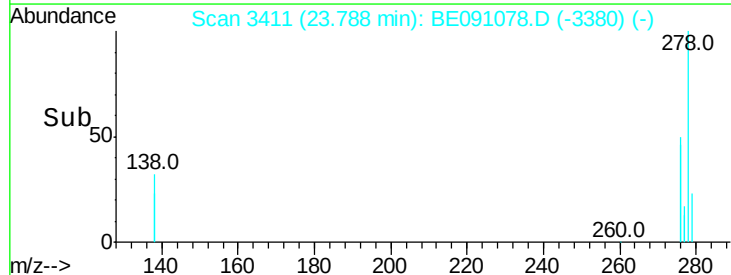
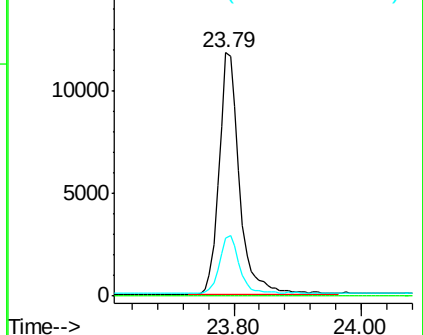


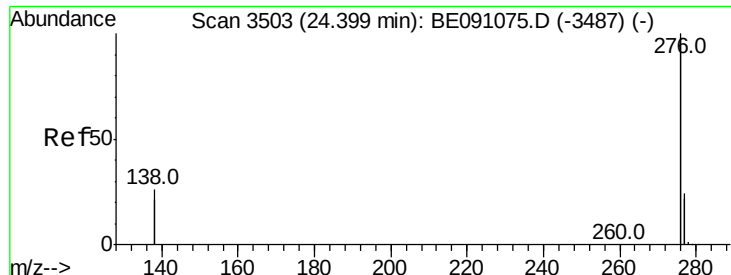
#27
 Dibenzo(a,h)anthracene
 Concen: 0.38 ng/ul
 RT: 23.79 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: BE091078.D
 Acq: 5 Nov 2015 22:45

Tgt Ion:278 Resp: 26252
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 24.0 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(a,h,i)perylene

Concen: 0.36 ng/ul

RT: 24.40 min Scan# 3505

Delta R.T. 0.00 min

Lab File: BE091078.D

Acq: 5 Nov 2015 22:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

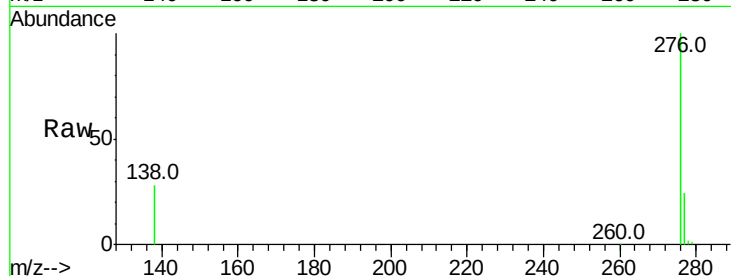
Tot Ion:276 Resp: 108793

Ion Ratio Lower Upper

276 100

277 23.6 21.3 31.9

138 28.0 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

