

Data Path : Z:\HPCHEM1\BNA_E\Data\BE112215\
 Data File : BE091269.D
 Acq On : 21 Nov 2015 9:44
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.481

Quant Time: Nov 22 00:40:36 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 21 04:53:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	2722	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	12174	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	5281	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	15099	0.40	ng/ul	-0.01
18) Chrysene-d12	20.23	240	17884	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	13684	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.96	96	3997	2.04	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.07	152	6012	0.36	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	15191	0.36	ng/ul	0.00

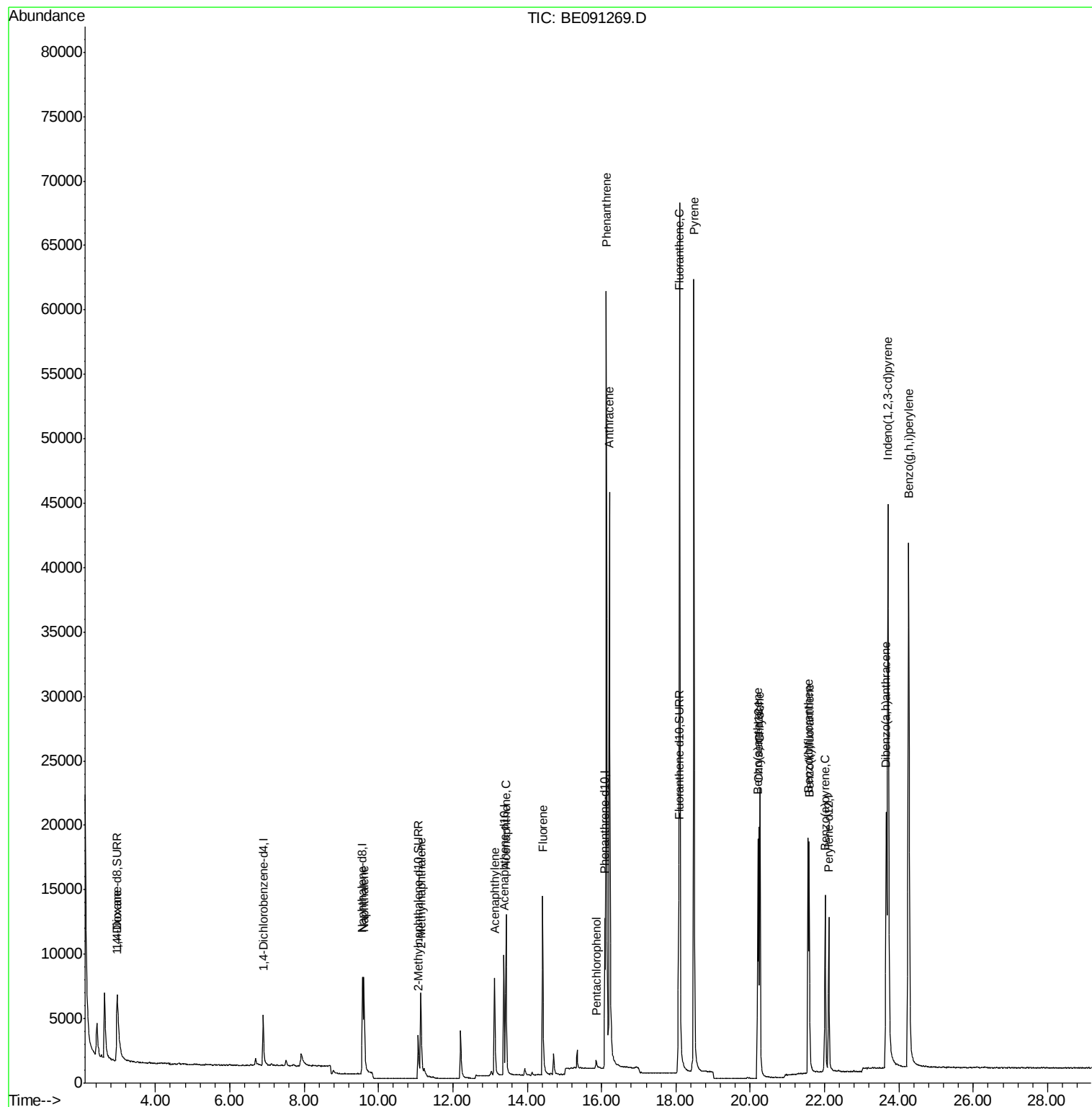
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.98	88	4692	2.12	ng/ul#	66
5) Naphthalene	9.61	128	12228	0.41	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	6846	0.35	ng/ul	87
9) Acenaphthylene	13.12	152	11321	0.43	ng/ul	98
10) Acenaphthene	13.43	153	7955	0.44	ng/ul#	85
11) Fluorene	14.42	166	10061	0.43	ng/ul	94
13) Pentachlorophenol	15.86	266	685	0.48	ng/ul	96
14) Phenanthrene	16.12	178	70352	0.40	ng/ul	98
15) Anthracene	16.21	178	62038	0.39	ng/ul	99
17) Fluoranthene	18.10	202	83075	0.41	ng/ul	89
19) Pyrene	18.49	202	76134	0.37	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	16795	0.37	ng/ul	96
21) Chrysene	20.26	228	21670	0.41	ng/ul	96
23) Benzo(b)fluoranthene	21.56	252	18380	0.43	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	19626	0.45	ng/ul	95
25) Benzo(a)pyrene	22.01	252	17234	0.44	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.70	276	70582	0.43	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.66	278	16549	0.42	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	71915	0.41	ng/ul	96

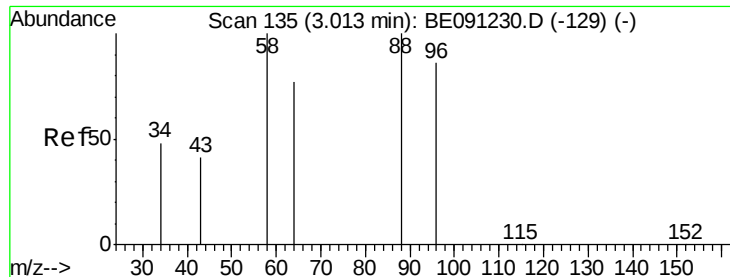
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\Data\BE112215\
Data File : BE091269.D
Acq On : 21 Nov 2015 9:44
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Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.481

Quant Time: Nov 22 00:40:36 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

1,4-Dioxane

Concen: 2.12 ng/ul

RT: 2.98 min Scan# 130

Delta R.T. -0.01 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.481

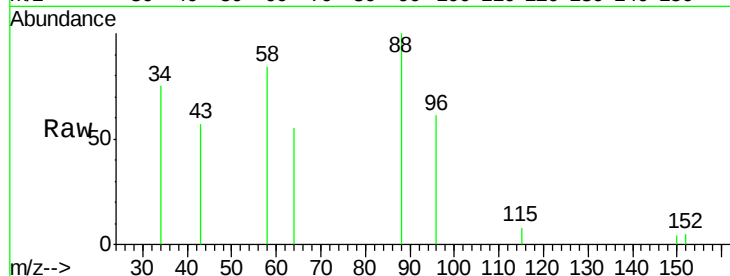
Tgt Ion: 88 Resp: 4692

Ion Ratio Lower Upper

88 100

58 100.1 55.4 83.2#

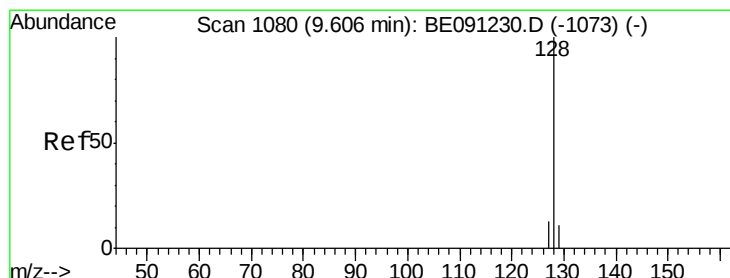
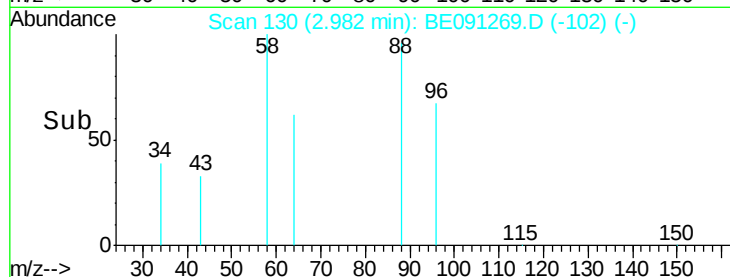
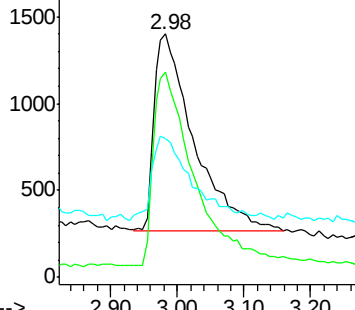
43 44.7 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091269.D (-102) (-)

Ion 58.00 (57.70 to 58.70): BE091269.D (-102) (-)

Ion 43.00 (42.70 to 43.70): BE091269.D (-102) (-)



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

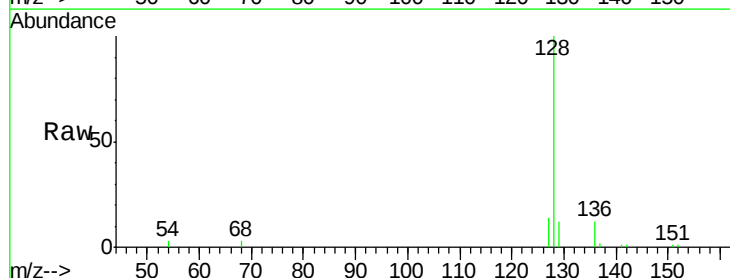
Tgt Ion: 128 Resp: 12228

Ion Ratio Lower Upper

128 100

129 12.3 9.8 14.8

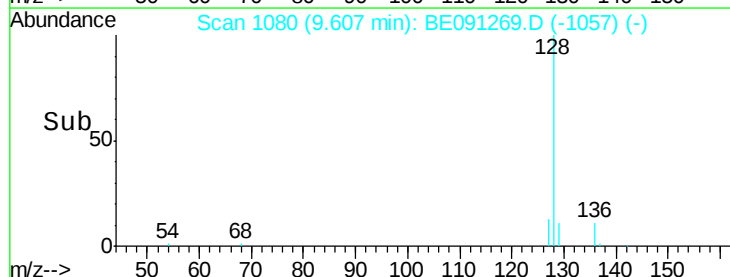
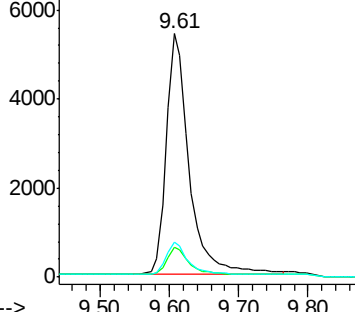
127 14.2 10.7 16.1

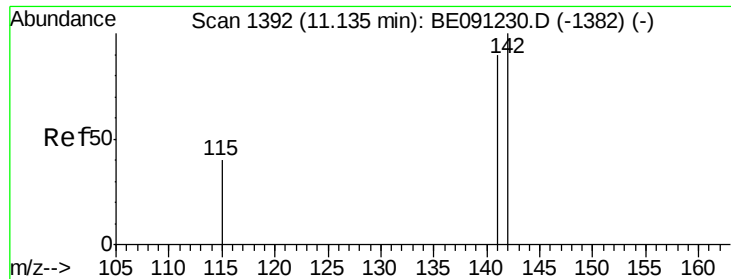


Abundance Ion 128.00 (127.70 to 128.70): BE091269.D (-1057) (-)

Ion 129.00 (128.70 to 129.70): BE091269.D (-1057) (-)

Ion 127.00 (126.70 to 127.70): BE091269.D (-1057) (-)





#7

2-Methylnaphthalene

Concen: 0.35 ng/ul

RT: 11.14 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

Instrument :

BNA_E

ClientSampleId :

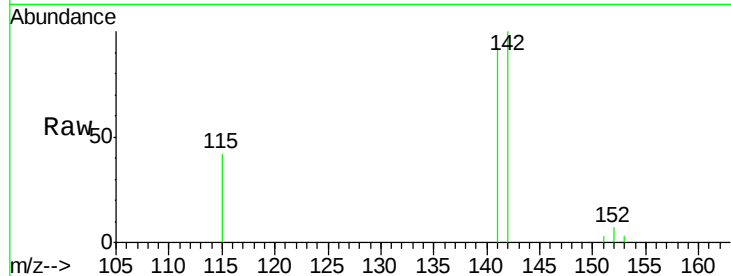
SSTD0.481

Tgt Ion:142 Resp: 6846

Ion Ratio Lower Upper

142 100

141 99.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

3000

2500

2000

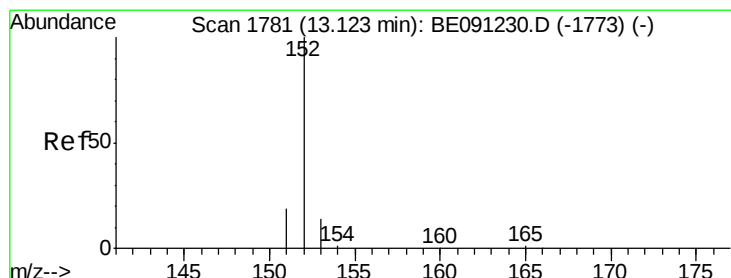
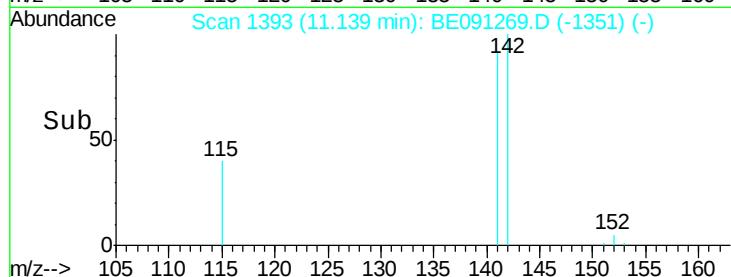
1500

1000

500

0

Time--> 11.10 11.14 11.20



#9

Acenaphthylene

Concen: 0.43 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

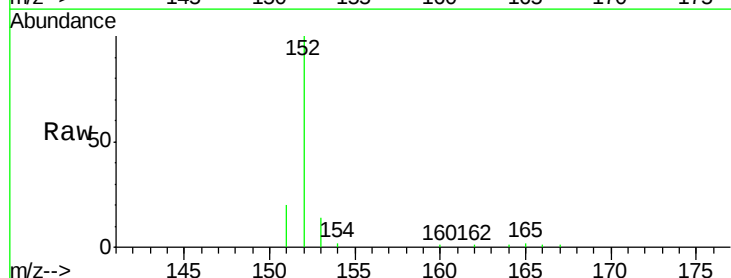
Tgt Ion:152 Resp: 11321

Ion Ratio Lower Upper

152 100

151 19.6 16.8 25.2

153 13.7 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

8000

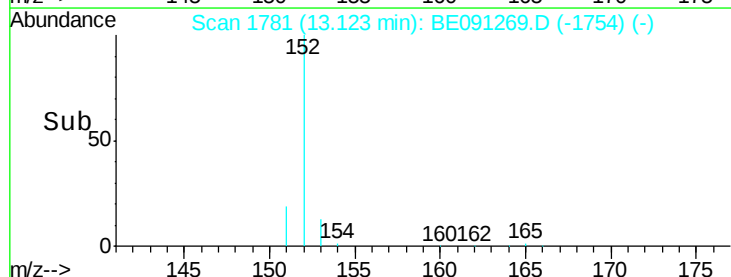
6000

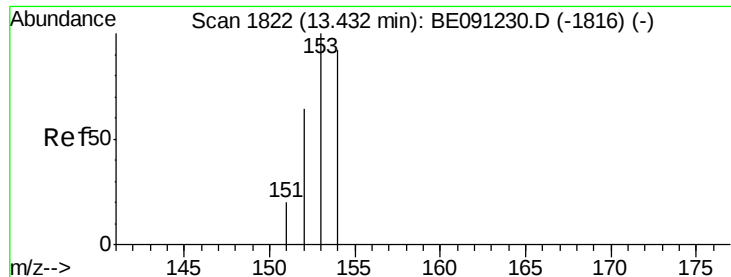
4000

2000

0

Time--> 13.00 13.12 13.20





#10

Acenaphthene

Concen: 0.44 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.481

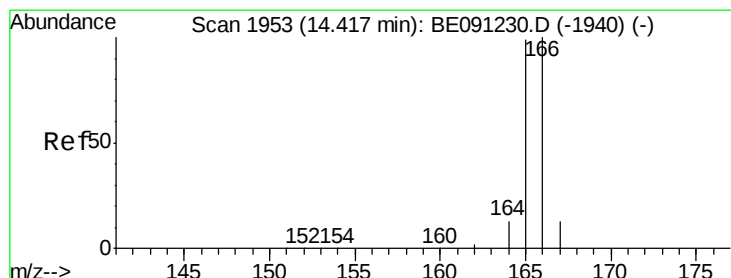
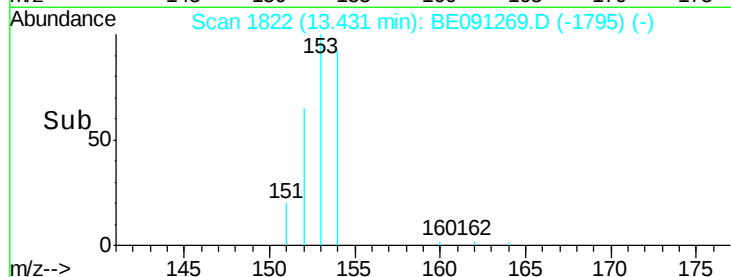
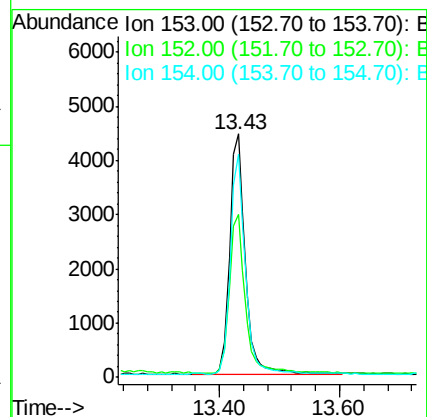
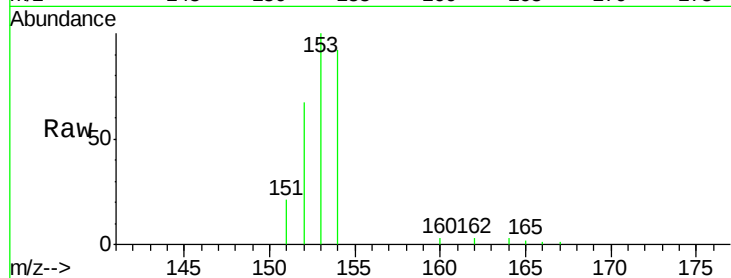
Tgt Ion:153 Resp: 7955

Ion Ratio Lower Upper

153 100

152 66.9 42.3 63.5#

154 91.7 64.7 97.1



#11

Fluorene

Concen: 0.43 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

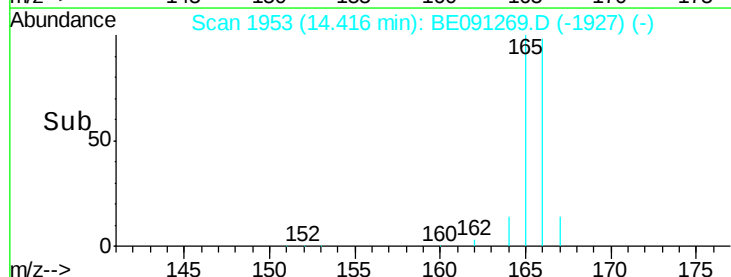
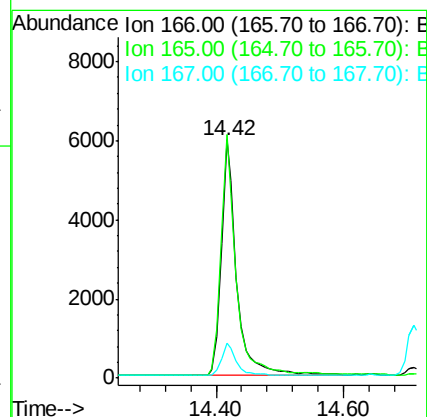
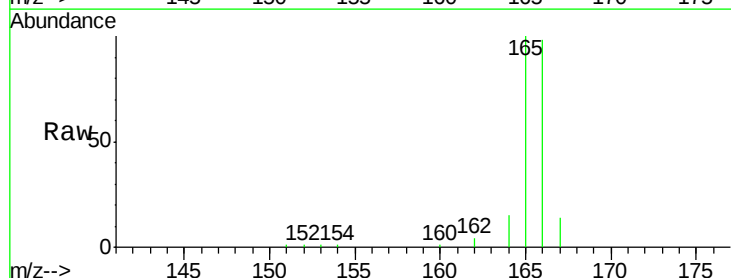
Tgt Ion:166 Resp: 10061

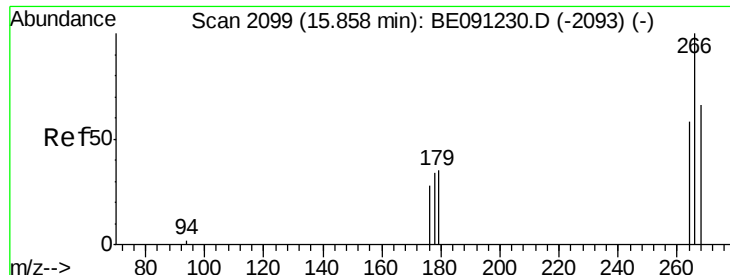
Ion Ratio Lower Upper

166 100

165 102.2 87.6 131.4

167 14.7 11.1 16.7

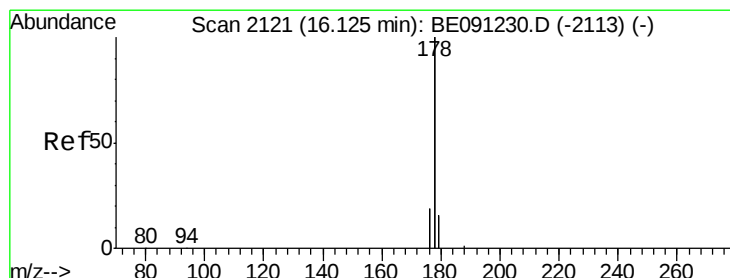
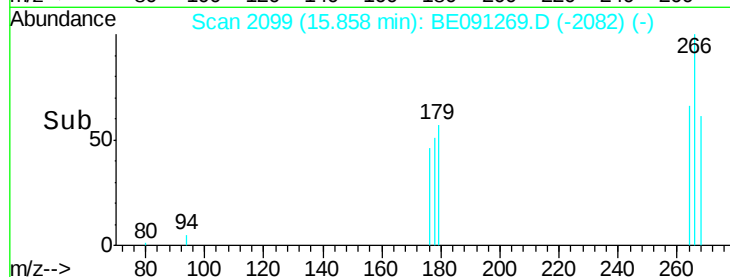
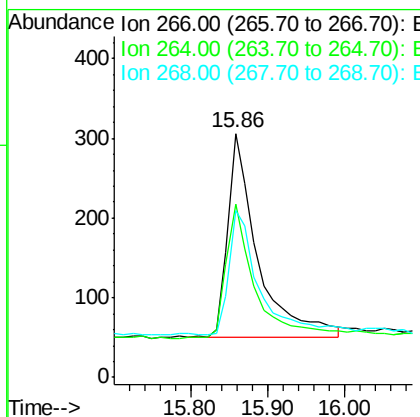
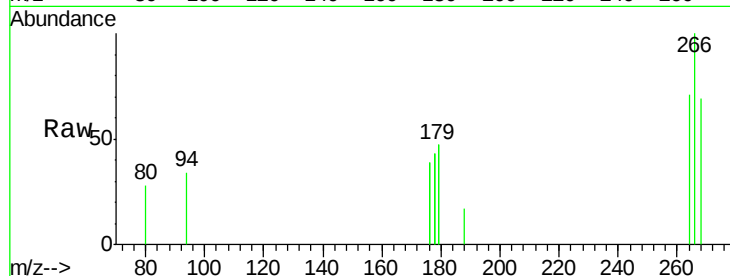




#13
 Pentachlorophenol
 Concen: 0.48 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BE091269.D
 Acq: 21 Nov 2015 9:44

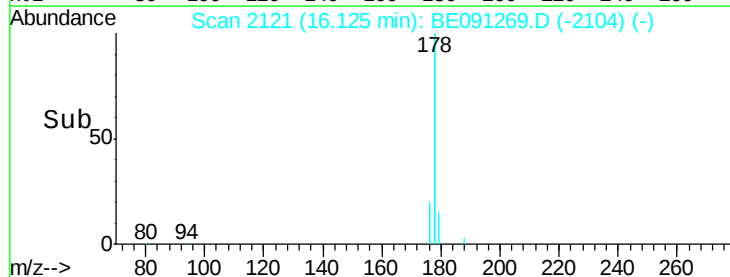
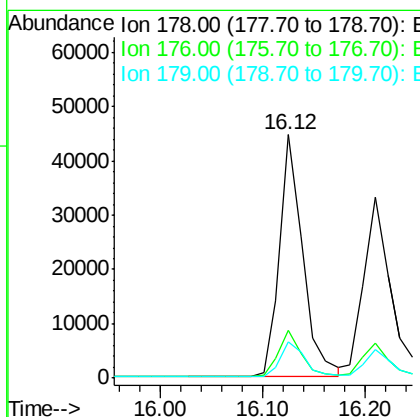
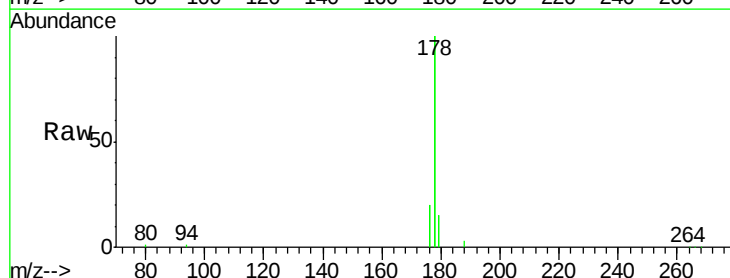
Instrument :
 BNA_E
 ClientSampleId :
 SST0.481

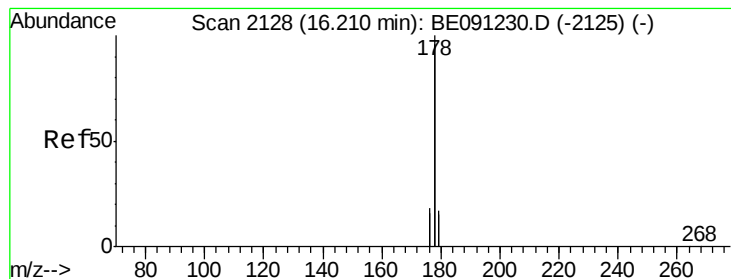
Tgt Ion: 266 Resp: 685
 Ion Ratio Lower Upper
 266 100
 264 63.8 53.5 80.3
 268 63.8 54.2 81.2



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091269.D
 Acq: 21 Nov 2015 9:44

Tgt Ion: 178 Resp: 70352
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 14.6 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: BE091269.D

Acq: 21 Nov 2015 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.481

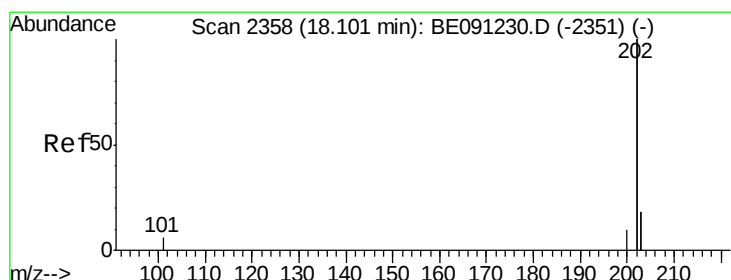
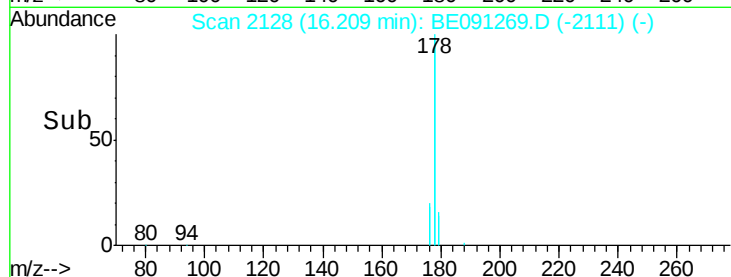
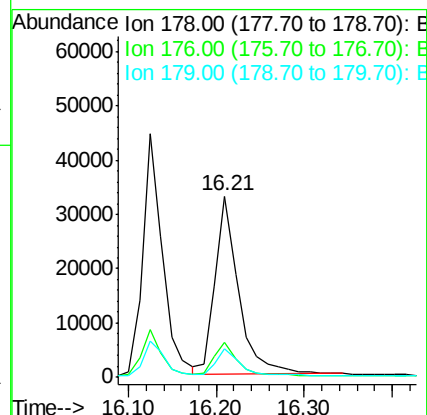
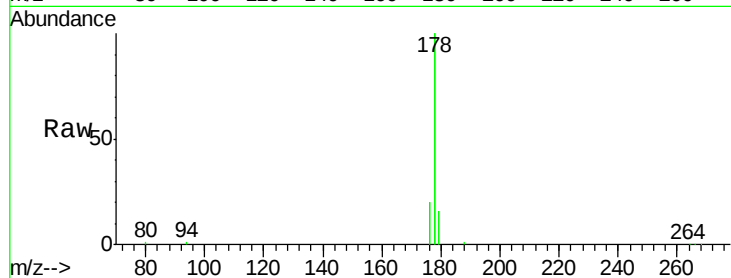
Tgt Ion:178 Resp: 62038

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

179 16.1 13.3 19.9



#17

Fluoranthene

Concen: 0.41 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

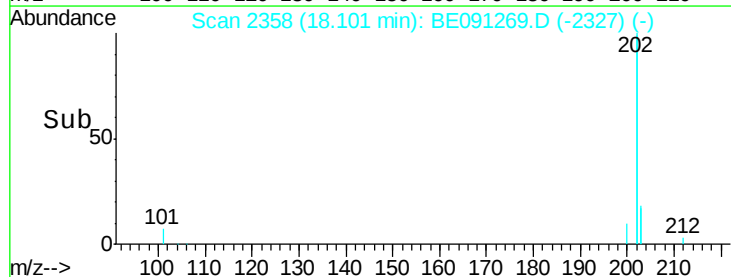
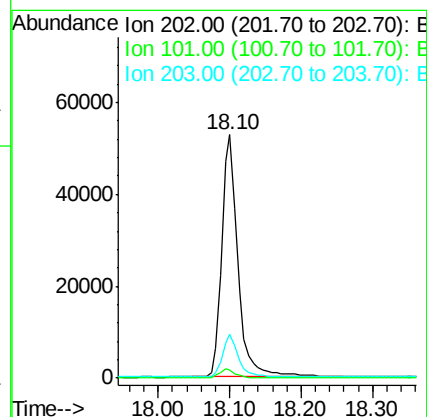
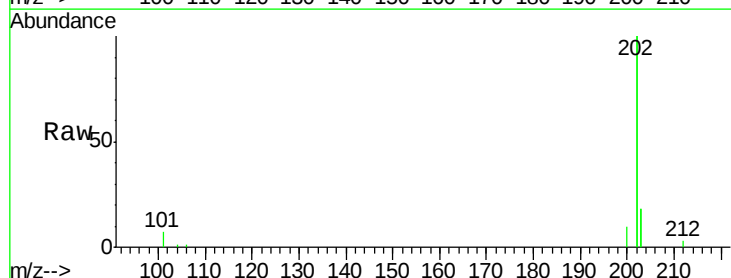
Tgt Ion:202 Resp: 83075

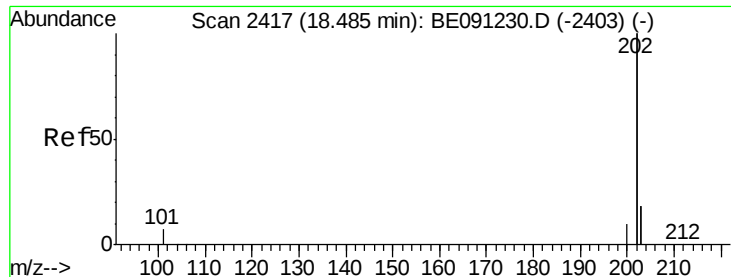
Ion Ratio Lower Upper

202 100

101 3.5 0.0 33.1

203 18.0 0.0 37.2





#19

Pyrene

Concen: 0.37 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.481

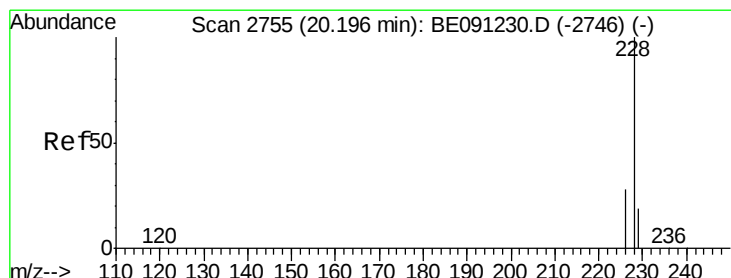
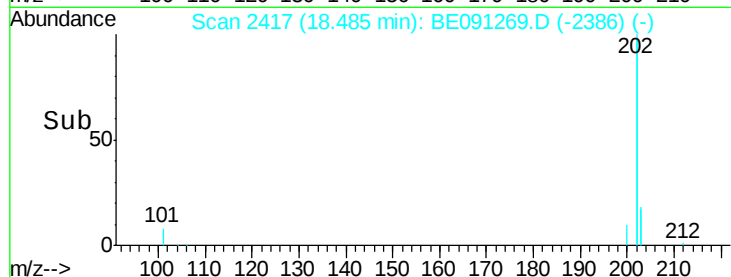
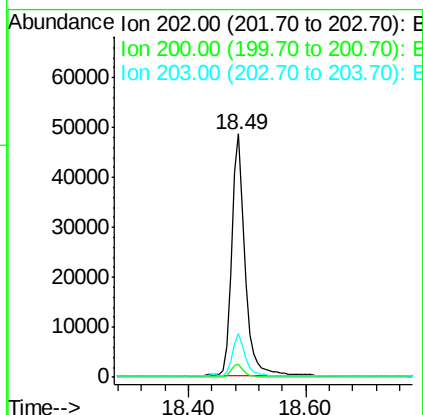
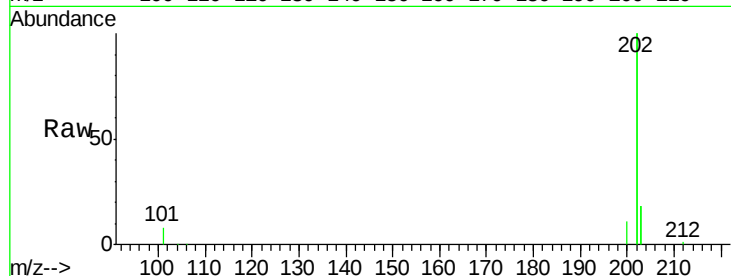
Tgt Ion:202 Resp: 76134

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

203 18.0 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. -0.00 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

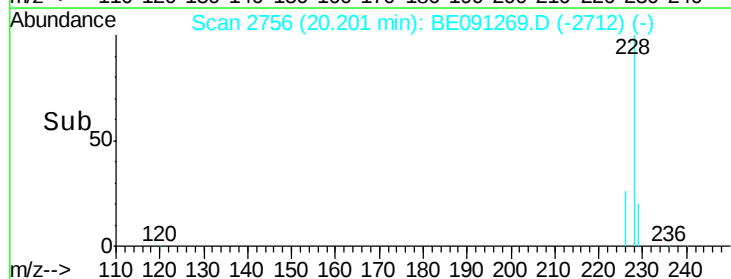
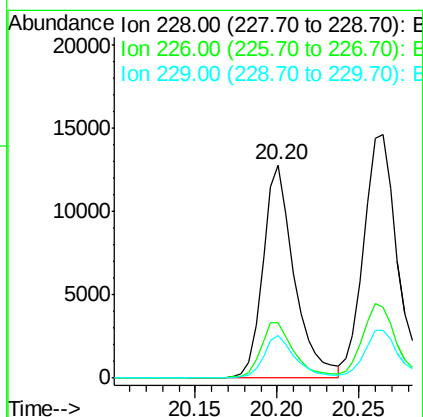
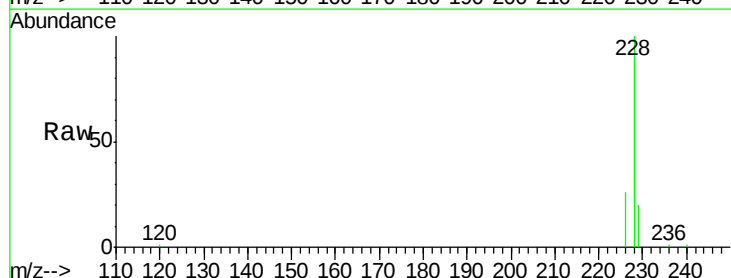
Tgt Ion:228 Resp: 16795

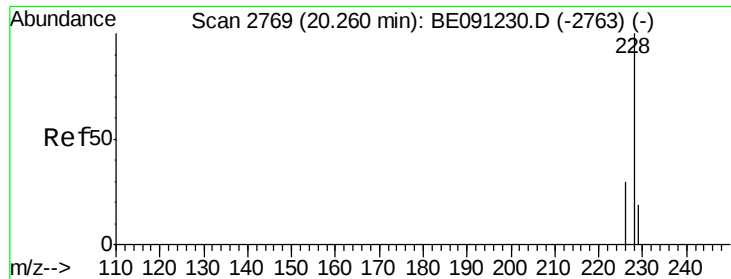
Ion Ratio Lower Upper

228 100

226 26.3 23.0 34.4

229 20.3 15.2 22.8





#21

Chrysene

Concen: 0.41 ng/ul

RT: 20.26 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.481

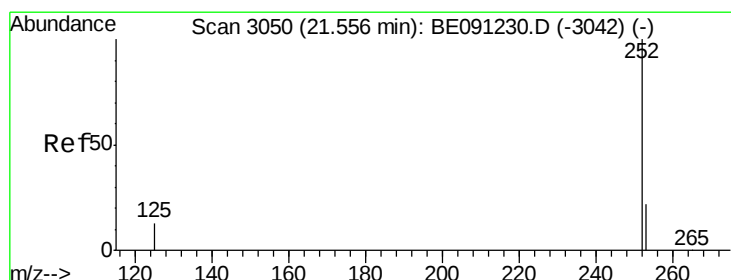
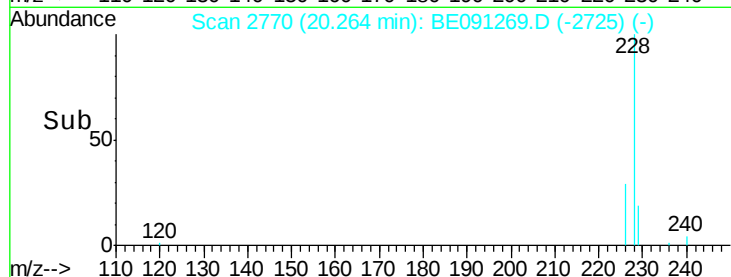
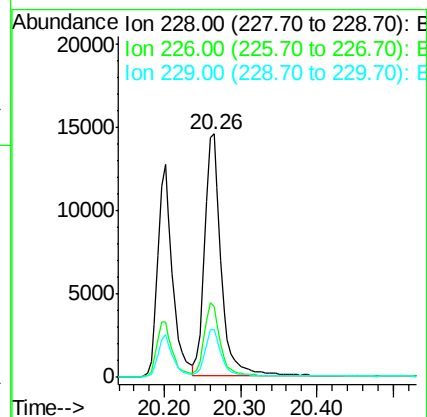
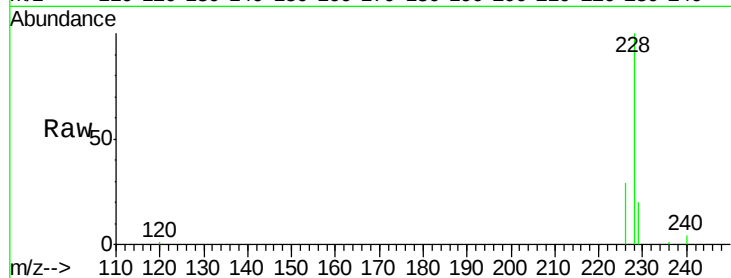
Tgt Ion:228 Resp: 21670

Ion Ratio Lower Upper

228 100

226 29.3 25.7 38.5

229 19.8 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.43 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

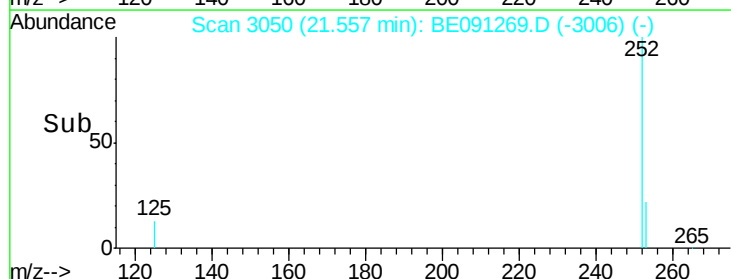
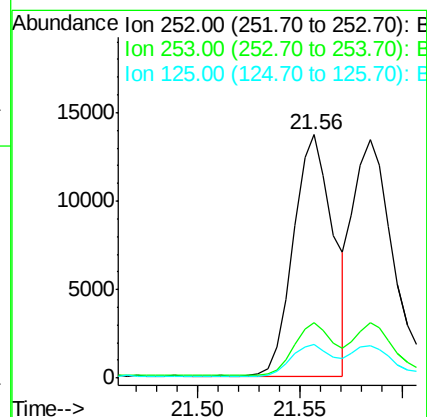
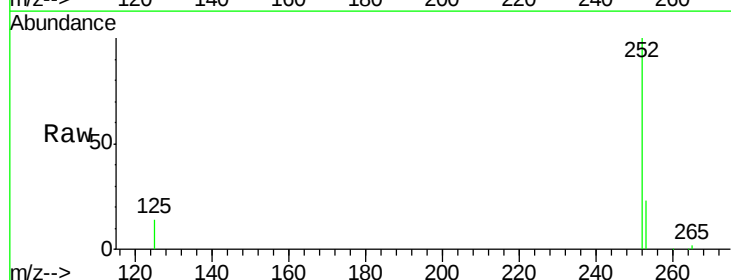
Tgt Ion:252 Resp: 18380

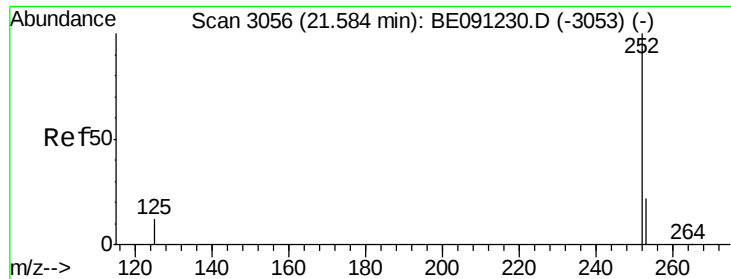
Ion Ratio Lower Upper

252 100

253 22.5 0.0 48.0

125 13.6 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.45 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.481

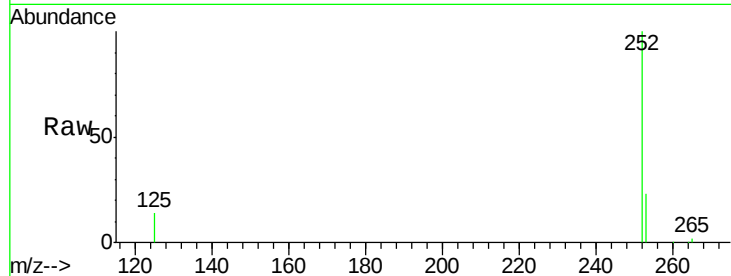
Tgt Ion:252 Resp: 19626

Ion Ratio Lower Upper

252 100

253 23.1 20.8 31.2

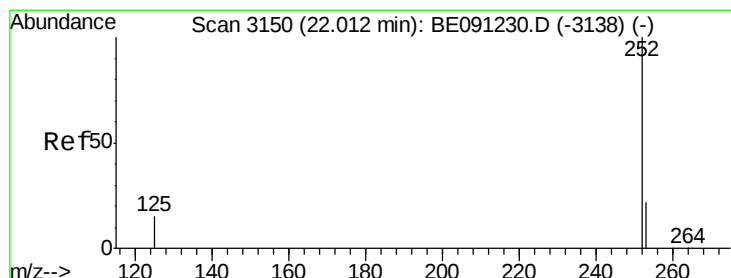
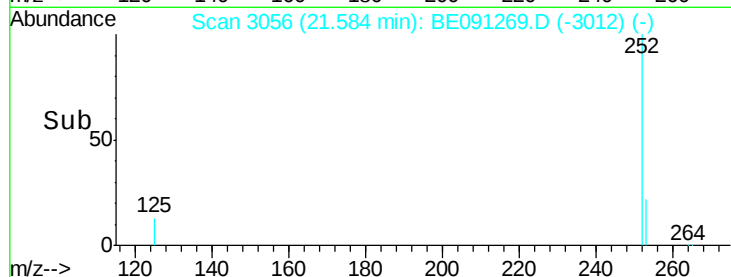
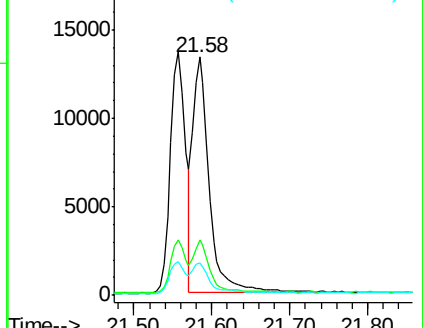
125 13.5 12.2 18.4



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: 0.44 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

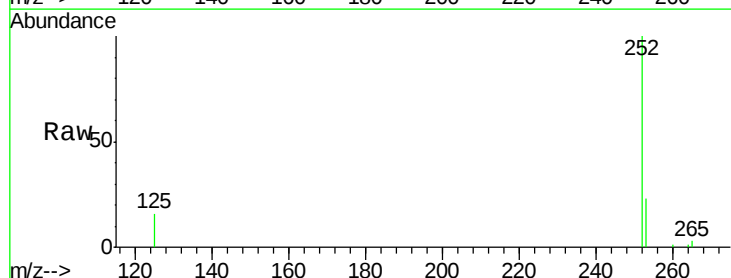
Tgt Ion:252 Resp: 17234

Ion Ratio Lower Upper

252 100

253 22.6 21.8 32.8

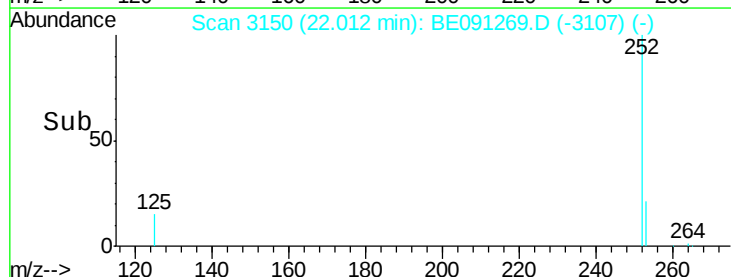
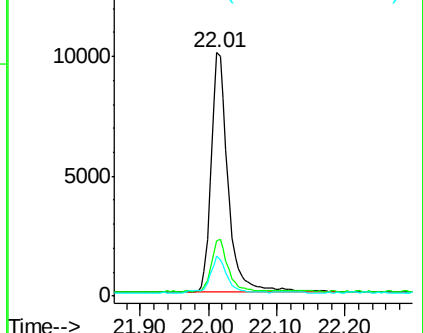
125 16.4 14.5 21.7

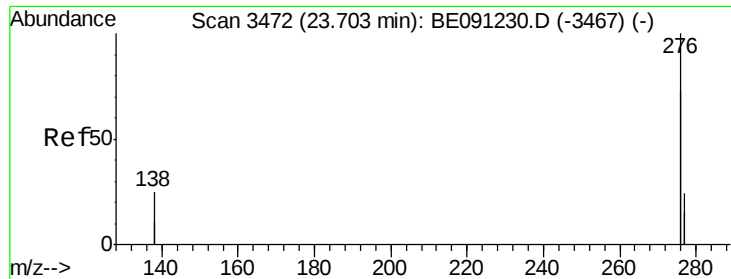


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.43 ng/ul

RT: 23.70 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.481

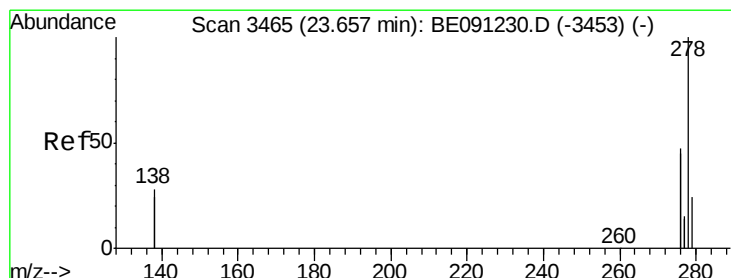
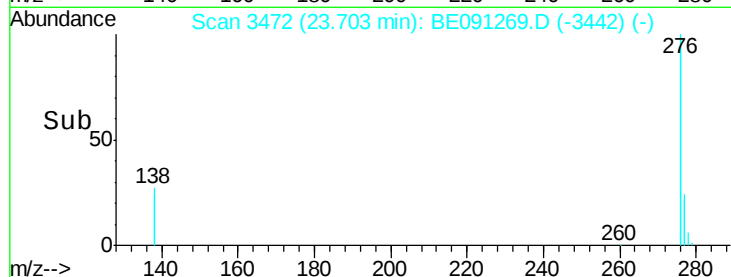
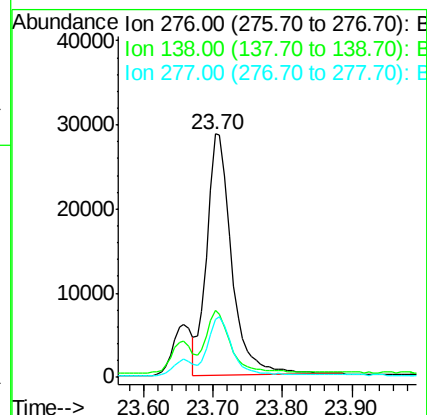
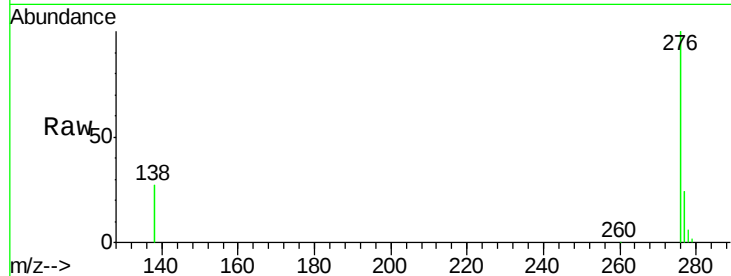
Tgt Ion:276 Resp: 70582

Ion Ratio Lower Upper

276 100

138 25.1 27.5 41.3#

277 23.4 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.42 ng/ul

RT: 23.66 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BE091269.D

Acq: 21 Nov 2015 9:44

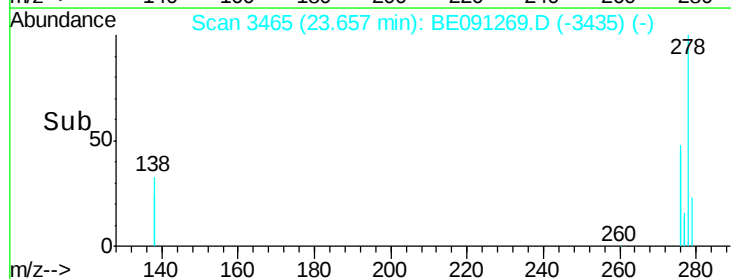
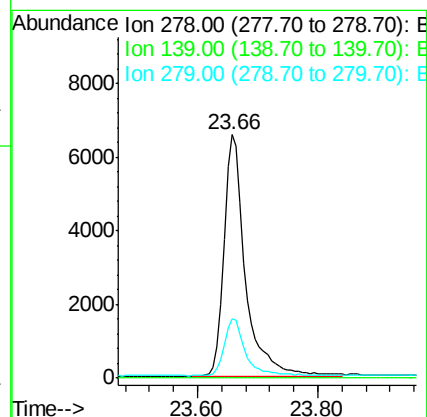
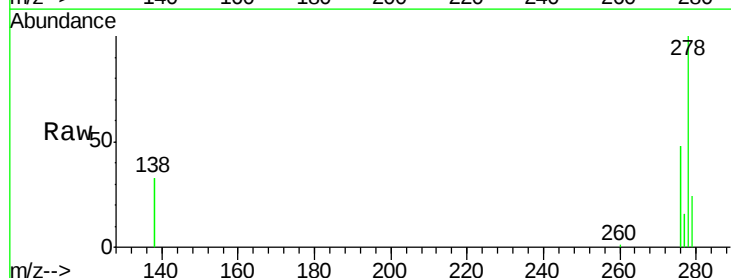
Tgt Ion:278 Resp: 16549

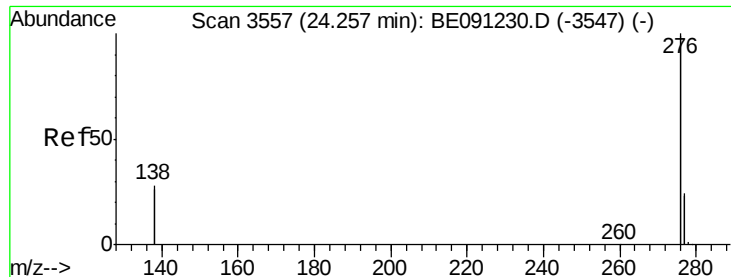
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 24.2 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.41 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. -0.01 min

Lab File: BE091269.D

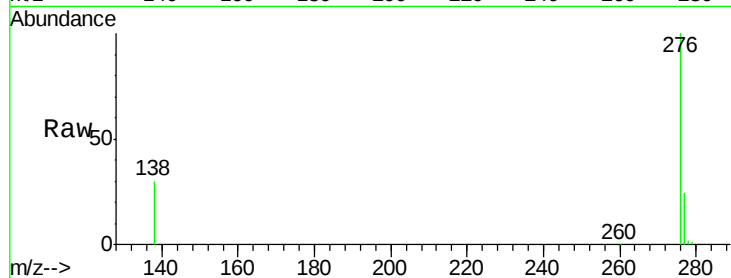
Acq: 21 Nov 2015 9:44

Instrument :

BNA_E

ClientSampleId :

SSTD0.481



Tgt Ion: 276 Resp: 71915

Ion Ratio Lower Upper

276 100

277 23.9 21.3 31.9

138 30.5 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

