

Data Path : Z:\HPCHEM1\BNA E\Data\BE112115\
 Data File : BE091258.D
 Acq On : 21 Nov 2015 00:05
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.479

Quant Time: Nov 21 04:53:33 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 02:52:22 2015
 Response via : Initial Calibration

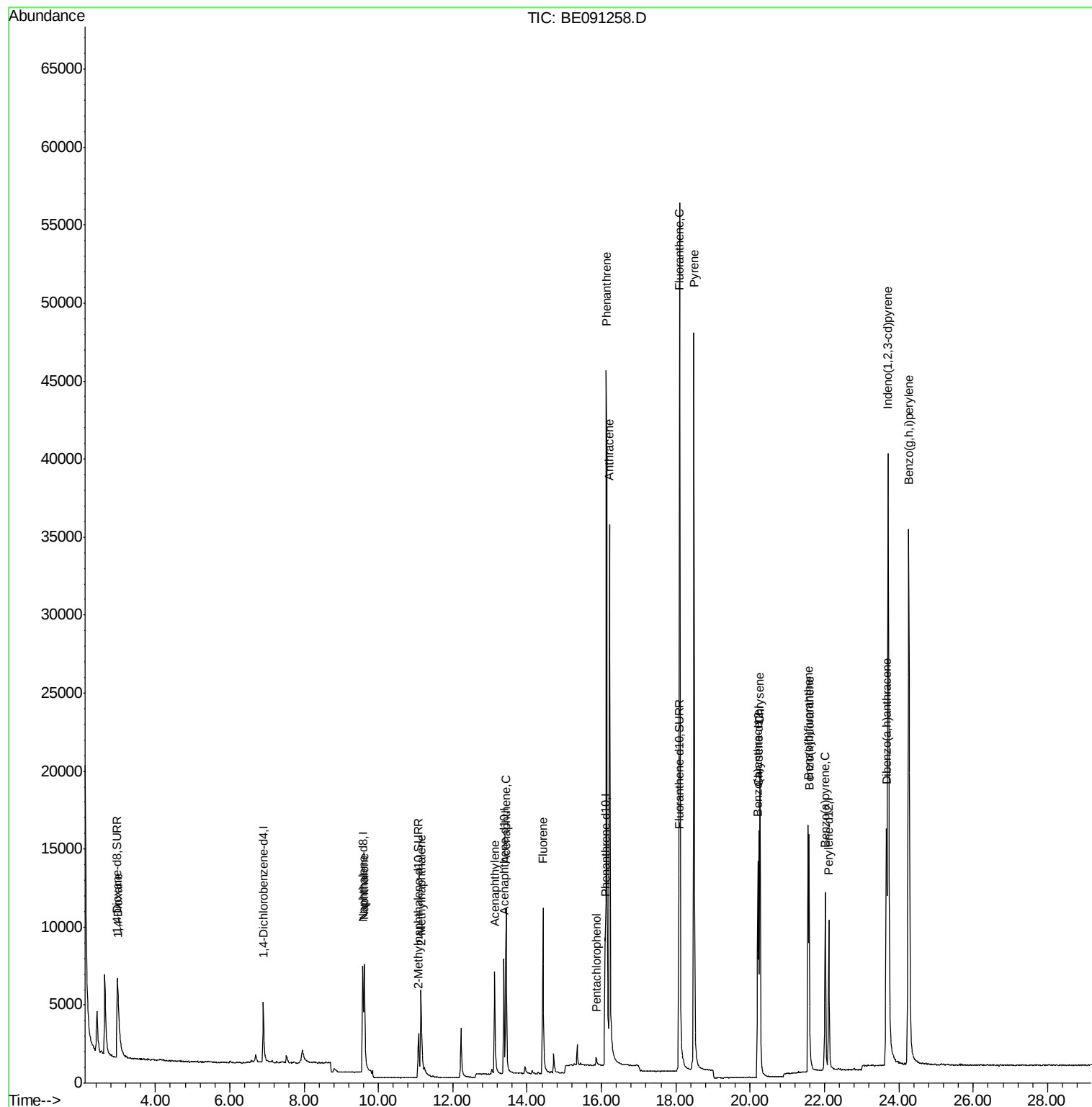
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	2697	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	11376	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4401	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.10	188	13009	0.40	ng/ul	0.01
18) Chrysene-d12	20.23	240	15155	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	11519	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.97	96	4109	2.12	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.07	152	5370	0.35	ng/ul	0.00
16) Fluoranthene-d10	18.08	212	13227	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.99	88	4640	2.12	ng/ul#	66
5) Naphthalene	9.61	128	11546	0.41	ng/ul	99
7) 2-Methylnaphthalene	11.15	142	6027	0.33	ng/ul	87
9) Acenaphthylene	13.12	152	9387	0.43	ng/ul	99
10) Acenaphthene	13.43	153	6704	0.45	ng/ul#	84
11) Fluorene	14.42	166	8545	0.44	ng/ul	93
13) Pentachlorophenol	15.86	266	602	0.49	ng/ul	95
14) Phenanthrene	16.12	178	60421	0.40	ng/ul	98
15) Anthracene	16.21	178	52808	0.39	ng/ul	98
17) Fluoranthene	18.10	202	71128	0.40	ng/ul	89
19) Pyrene	18.49	202	62879	0.37	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	13356	0.34	ng/ul	98
21) Chrysene	20.26	228	18819	0.42	ng/ul	99
23) Benzo(b)fluoranthene	21.56	252	15462	0.43	ng/ul	93
24) Benzo(k)fluoranthene	21.58	252	17486	0.47	ng/ul	94
25) Benzo(a)pyrene	22.02	252	14380	0.43	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	23.71	276	61661	0.44	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.66	278	13951	0.42	ng/ul#	72
28) Benzo(g,h,i)perylene	24.26	276	64141	0.44	ng/ul	95

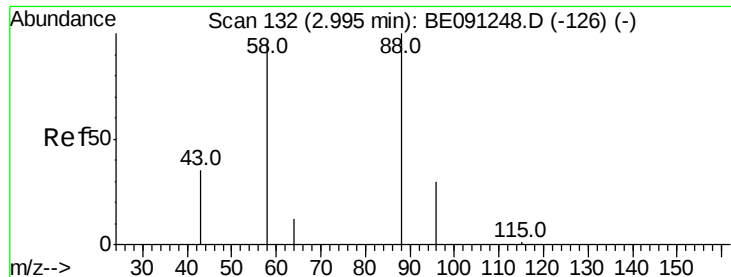
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\Data\BE112115\
Data File : BE091258.D
Acq On : 21 Nov 2015 00:05
Operator : UM/NP
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.479

Quant Time: Nov 21 04:53:33 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 02:52:22 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 2.12 ng/ul

RT: 2.99 min Scan# 131

Delta R.T. -0.01 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

Instrument :

BNA_E

ClientSampleId :

SSTD0.479

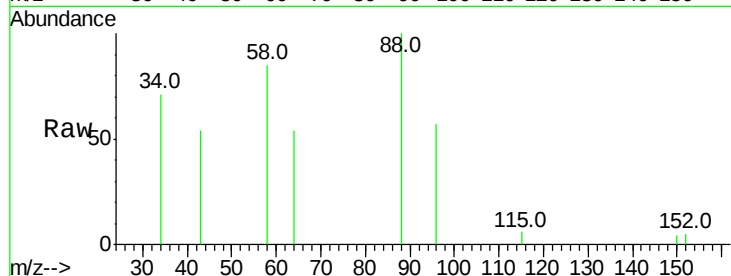
Tot Ion: 88 Resp: 4640

Ion Ratio Lower Upper

88 100

58 101.1 55.4 83.2#

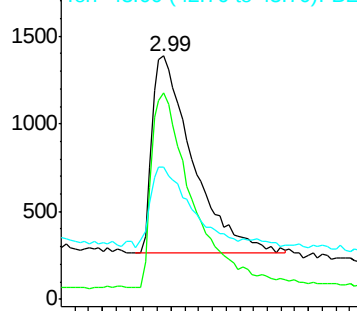
43 42.0 24.2 36.2#



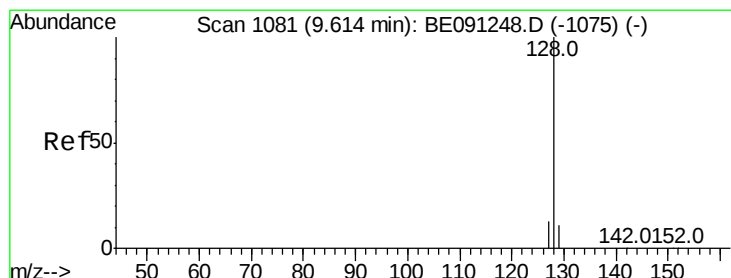
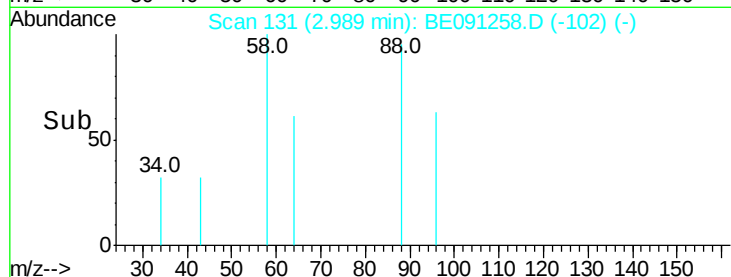
Abundance Ion 88.00 (87.70 to 88.70): BE091248.D (-126) (-)

Ion 58.00 (57.70 to 58.70): BE091248.D (-126) (-)

Ion 43.00 (42.70 to 43.70): BE091248.D (-126) (-)



Time-->



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 9.61 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

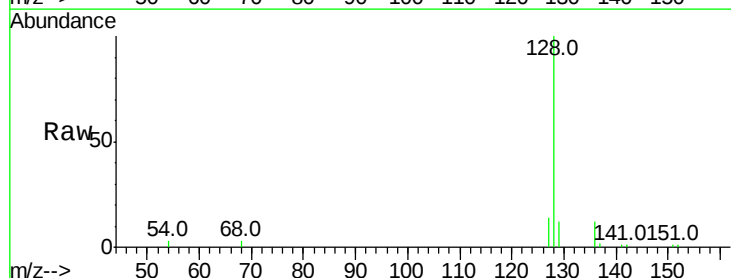
Tgt Ion: 128 Resp: 11546

Ion Ratio Lower Upper

128 100

129 12.0 9.8 14.8

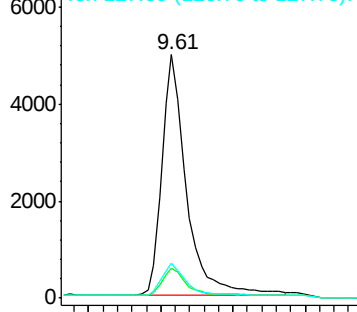
127 14.2 10.7 16.1



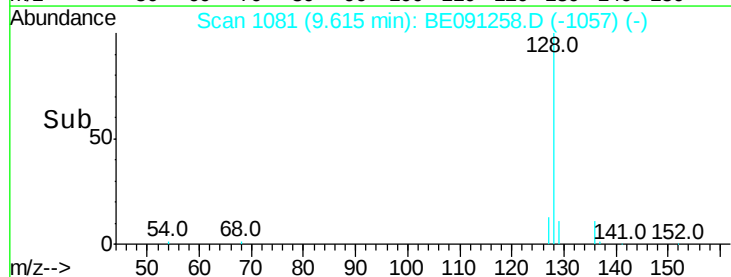
Abundance Ion 128.00 (127.70 to 128.70): BE091248.D (-1075) (-)

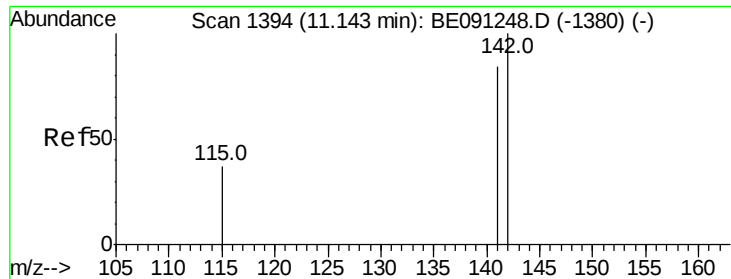
Ion 129.00 (128.70 to 129.70): BE091248.D (-1075) (-)

Ion 127.00 (126.70 to 127.70): BE091248.D (-1075) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.33 ng/ul

RT: 11.15 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

Instrument :

BNA_E

ClientSampleId :

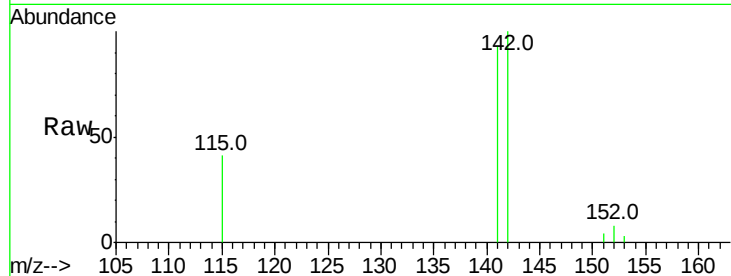
SSTD0.479

Tot Ion:142 Resp: 6027

Ion Ratio Lower Upper

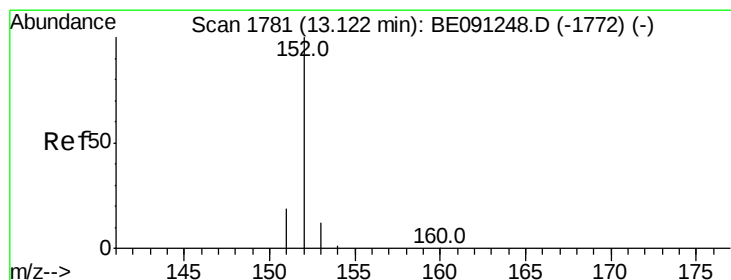
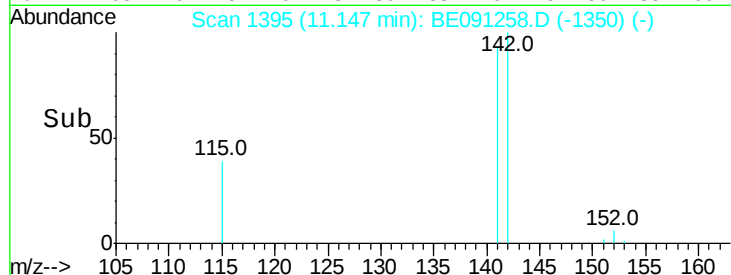
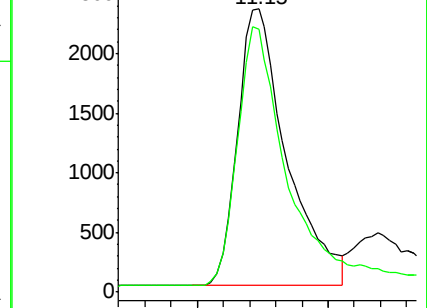
142 100

141 100.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.43 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

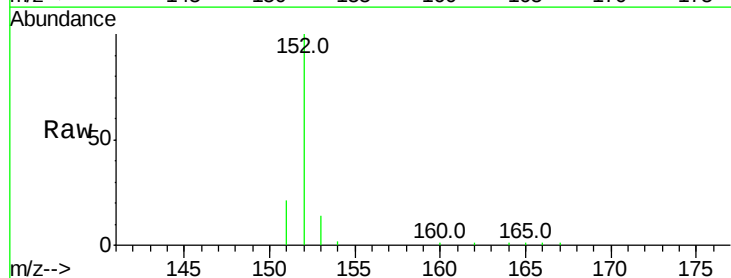
Tgt Ion:152 Resp: 9387

Ion Ratio Lower Upper

152 100

151 21.4 16.8 25.2

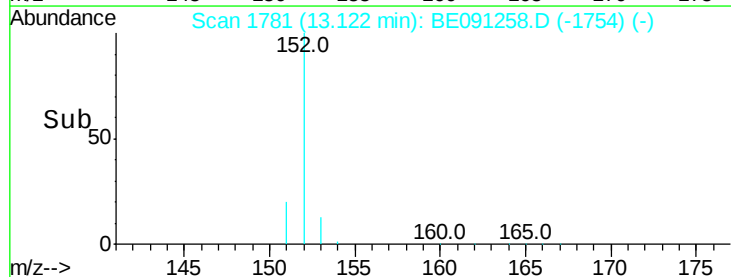
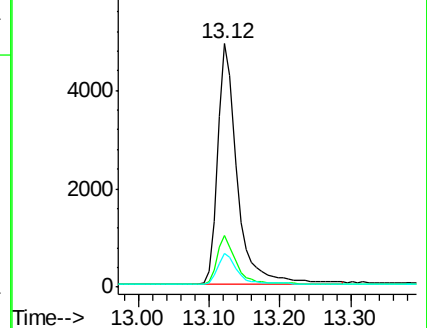
153 13.6 11.3 16.9

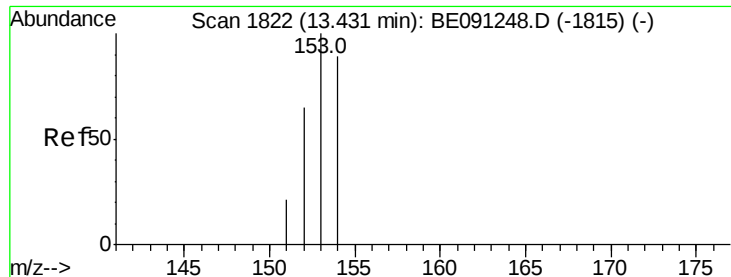


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.45 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

Instrument :

BNA_E

ClientSampleId :

SSTD0.479

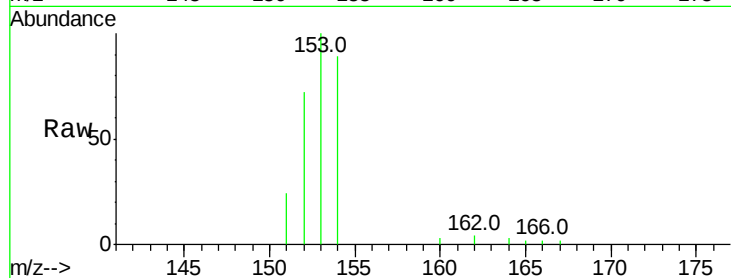
Tot Ion:153 Resp: 6704

Ion Ratio Lower Upper

153 100

152 72.2 42.3 63.5#

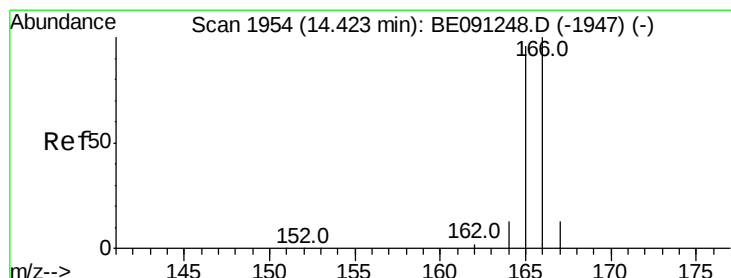
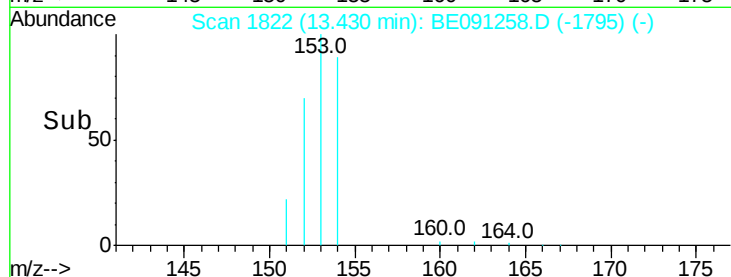
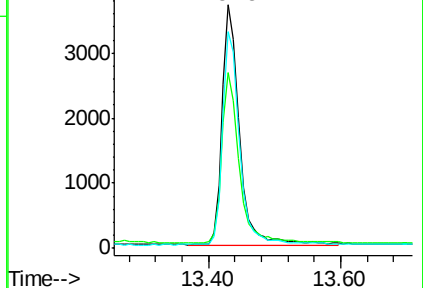
154 88.9 64.7 97.1



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: 0.44 ng/ul

RT: 14.42 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

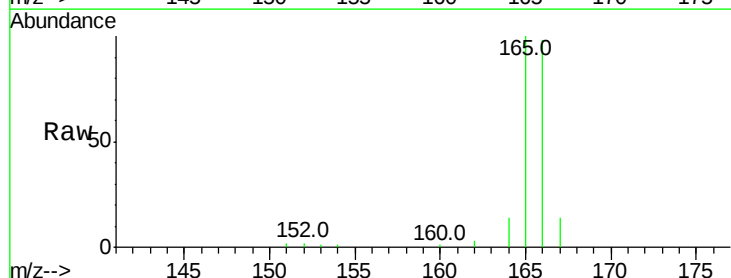
Tgt Ion:166 Resp: 8545

Ion Ratio Lower Upper

166 100

165 101.9 87.6 131.4

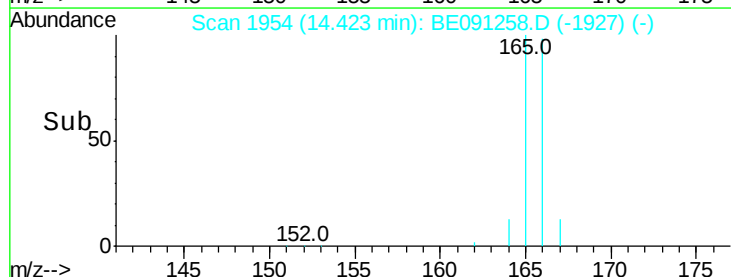
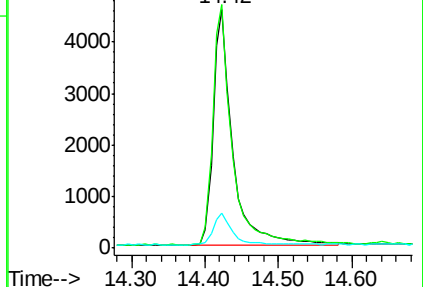
167 14.4 11.1 16.7

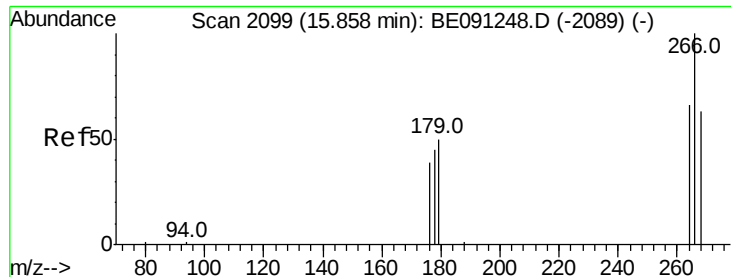


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

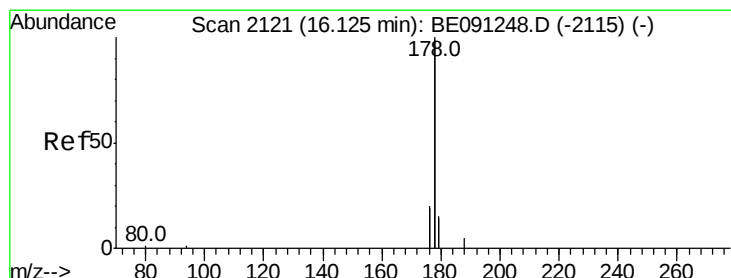
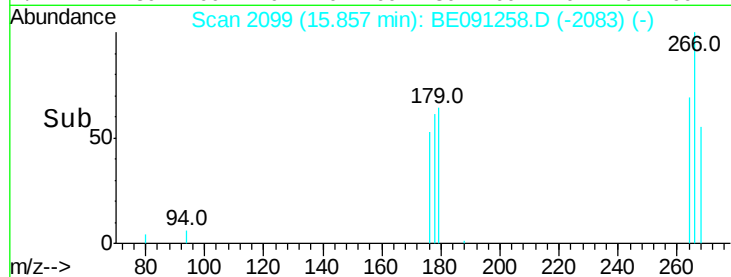
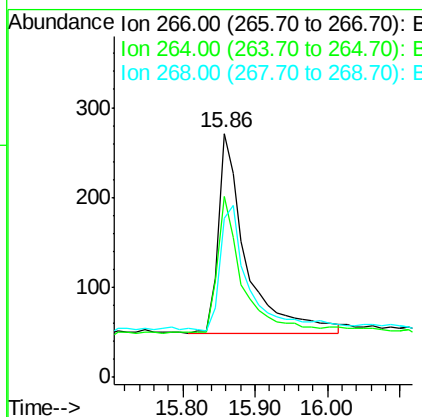
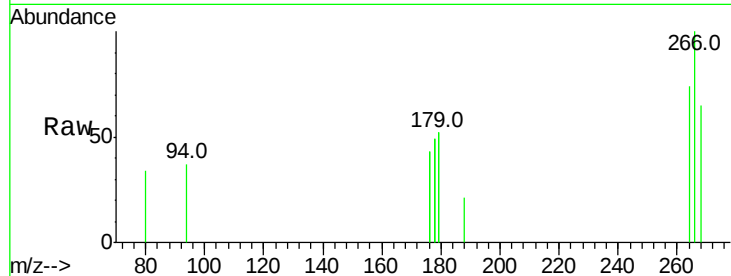




#13
 Pentachlorophenol
 Concen: 0.49 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: BE091258.D
 Acq: 21 Nov 2015 00:05

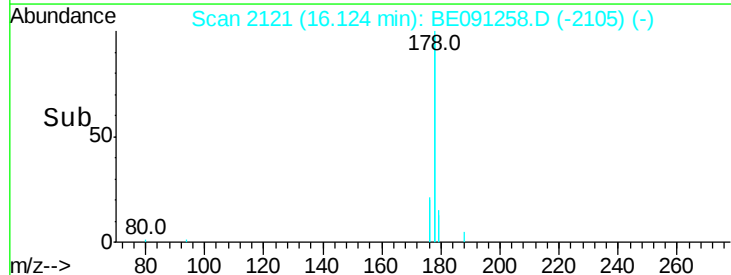
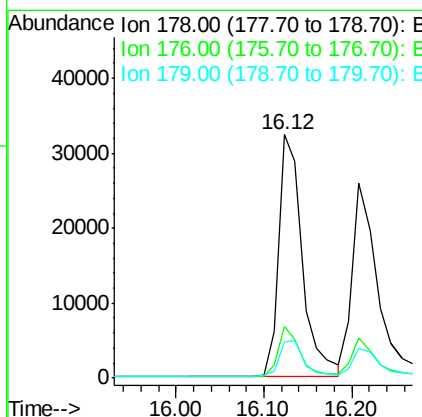
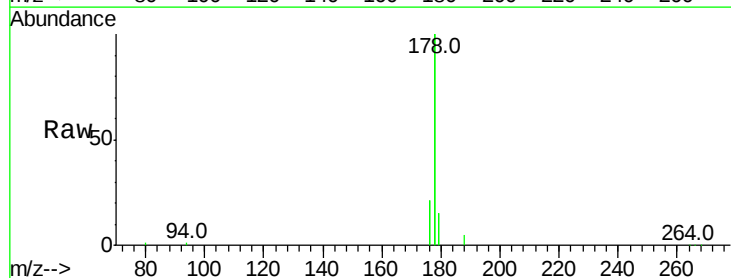
Instrument :
 BNA_E
 ClientSampleId :
 SST0.479

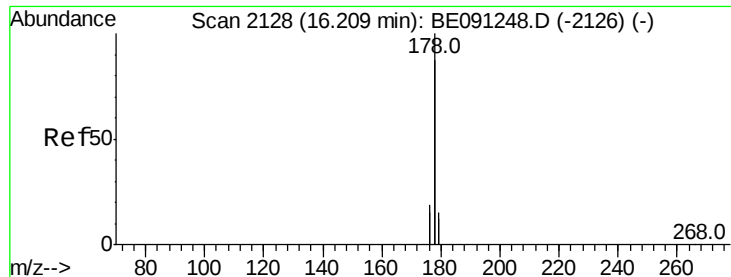
Tot Ion:266 Resp: 602
 Ion Ratio Lower Upper
 266 100
 264 63.0 53.5 80.3
 268 63.3 54.2 81.2



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.00 min
 Lab File: BE091258.D
 Acq: 21 Nov 2015 00:05

Tgt Ion:178 Resp: 60421
 Ion Ratio Lower Upper
 178 100
 176 21.4 16.2 24.4
 179 15.0 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: BE091258.D

Acq: 21 Nov 2015 00:05

Instrument :

BNA_E

ClientSampleId :

SSTD0.479

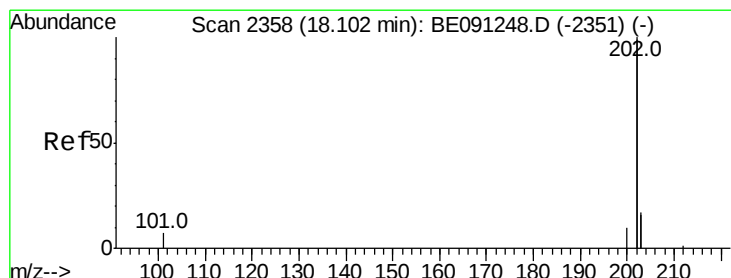
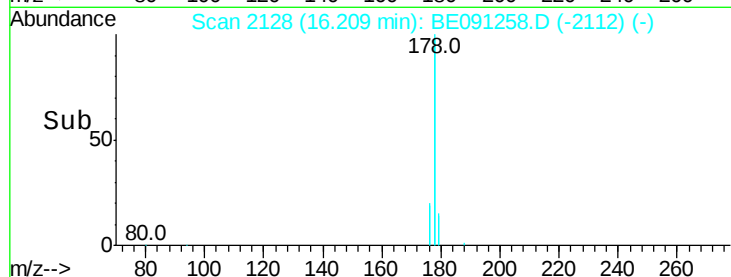
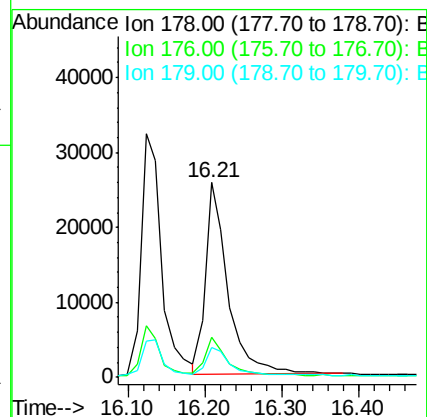
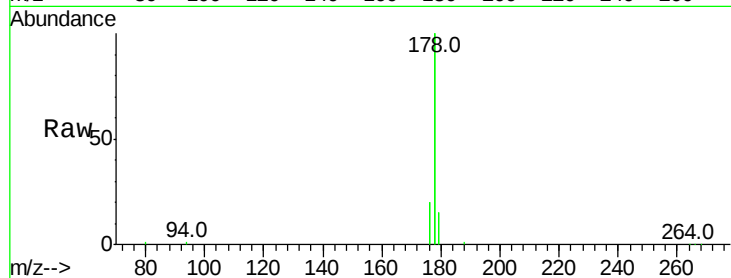
Tot Ion:178 Resp: 52808

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

179 15.5 13.3 19.9



#17

Fluoranthene

Concen: 0.40 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

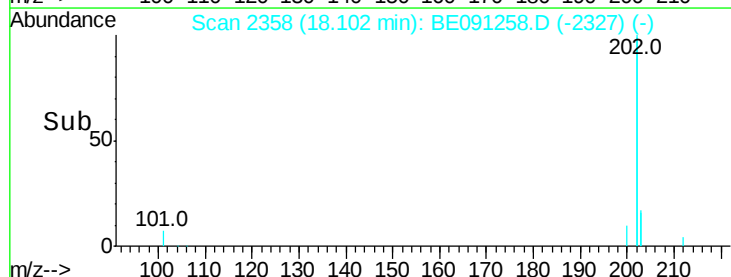
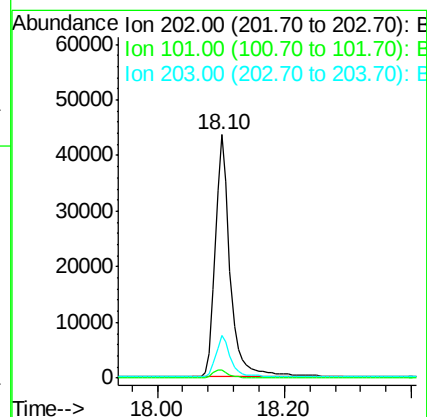
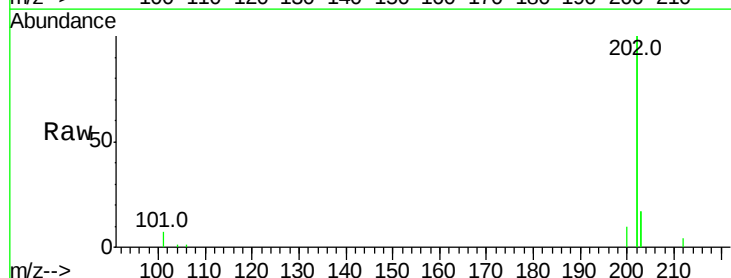
Tgt Ion:202 Resp: 71128

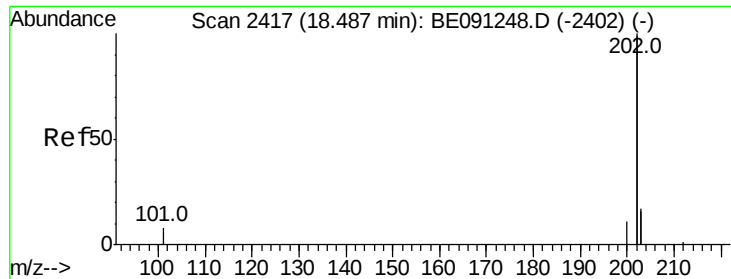
Ion Ratio Lower Upper

202 100

101 3.6 0.0 33.1

203 17.4 0.0 37.2





#19

Pvrene

Concen: 0.37 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

Instrument :

BNA_E

ClientSampleId :

SSTD0.479

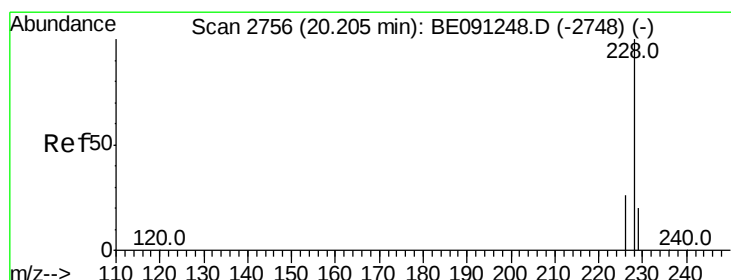
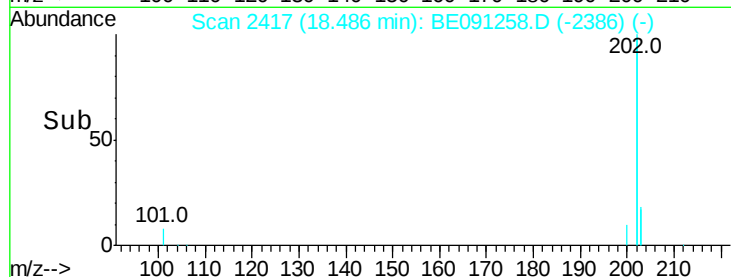
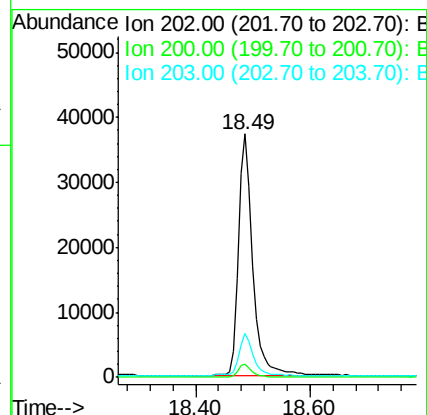
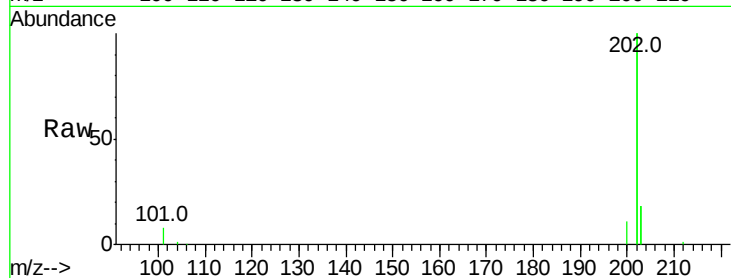
Tot Ion:202 Resp: 62879

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 18.1 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.34 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. -0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

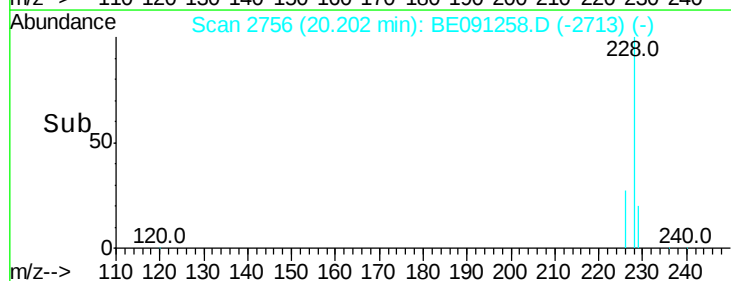
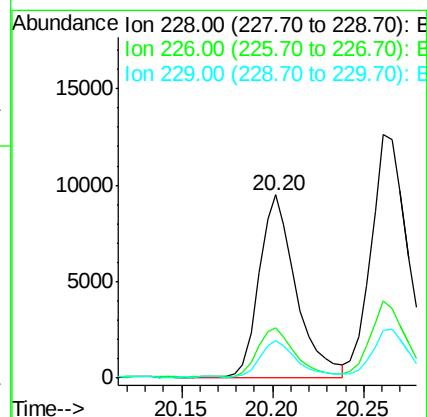
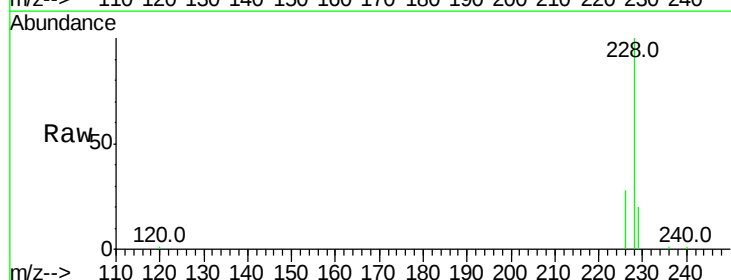
Tgt Ion:228 Resp: 13356

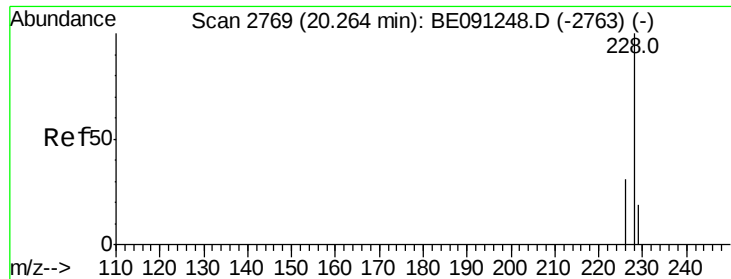
Ion Ratio Lower Upper

228 100

226 27.5 23.0 34.4

229 20.2 15.2 22.8





#21

Chrysene

Concen: 0.42 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

Instrument :

BNA_E

ClientSampleId :

SSTD0.479

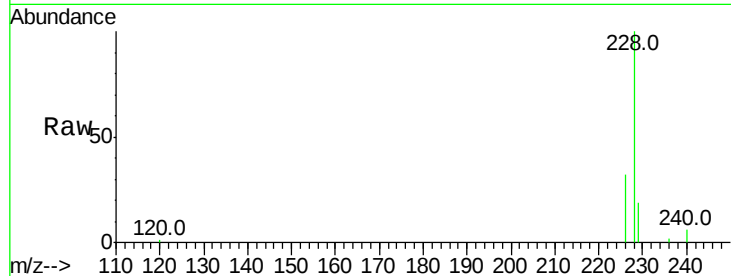
Tot Ion:228 Resp: 18819

Ion Ratio Lower Upper

228 100

226 31.6 25.7 38.5

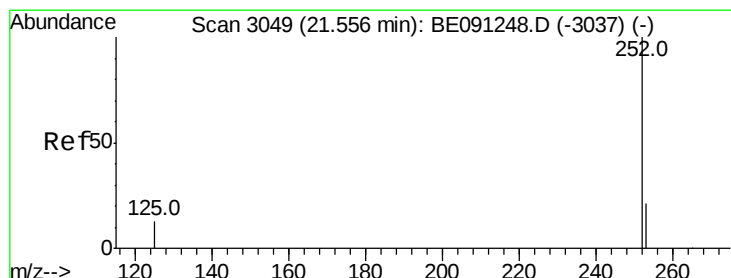
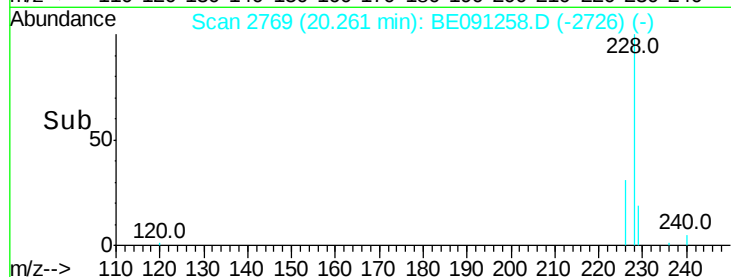
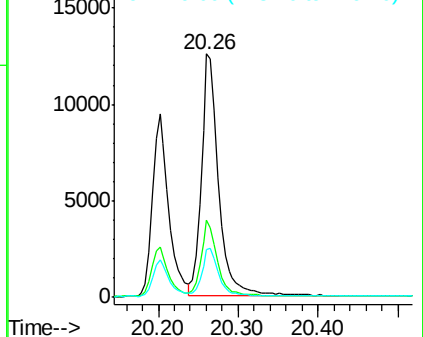
229 19.4 15.2 22.8



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: 0.43 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

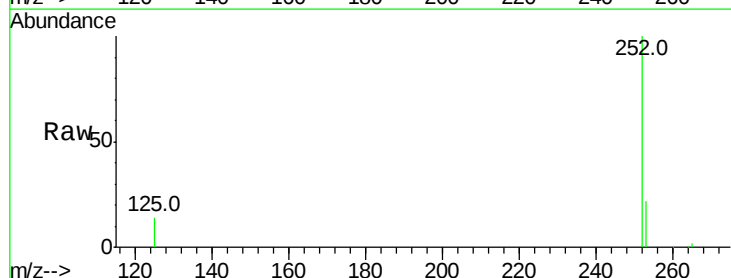
Tgt Ion:252 Resp: 15462

Ion Ratio Lower Upper

252 100

253 21.9 0.0 48.0

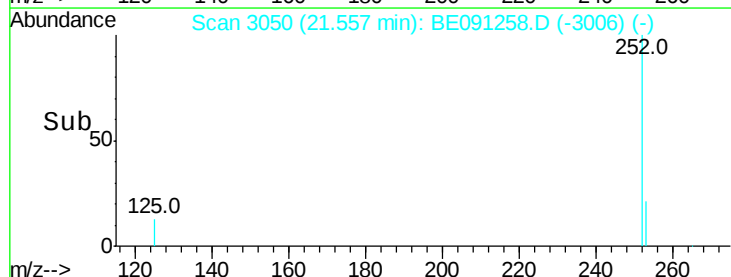
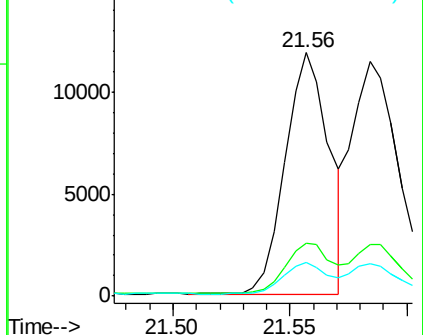
125 13.8 0.0 36.6

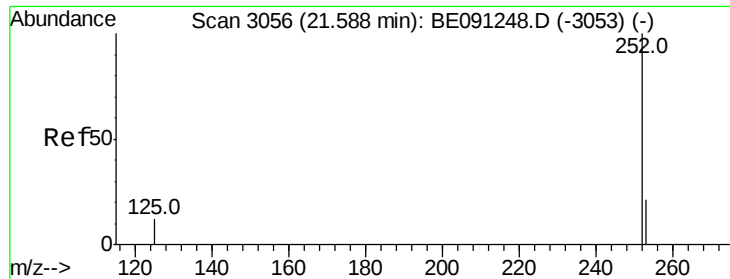


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.47 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

Instrument :

BNA_E

ClientSampleId :

SSTD0.479

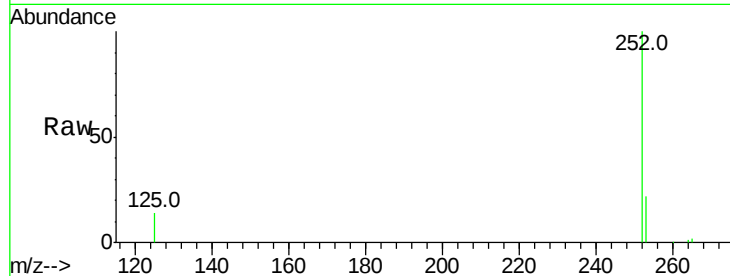
Tot Ion:252 Resp: 17486

Ion Ratio Lower Upper

252 100

253 22.2 20.8 31.2

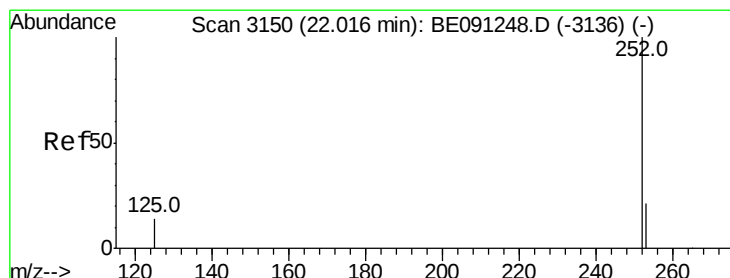
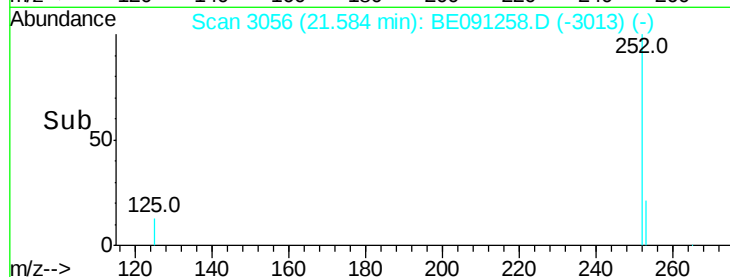
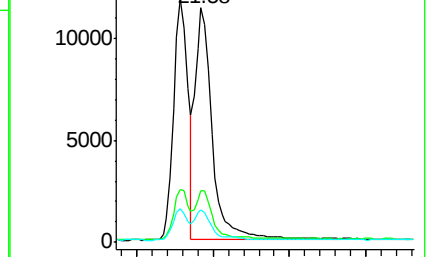
125 13.6 12.2 18.4



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: 22.02 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

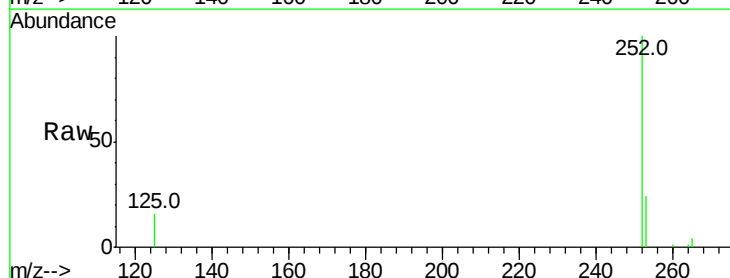
Tgt Ion:252 Resp: 14380

Ion Ratio Lower Upper

252 100

253 24.4 21.8 32.8

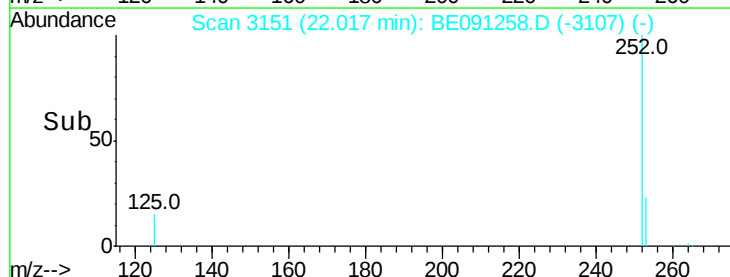
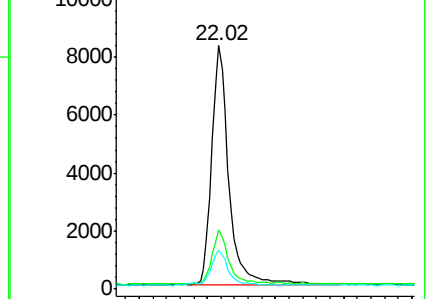
125 15.8 14.5 21.7

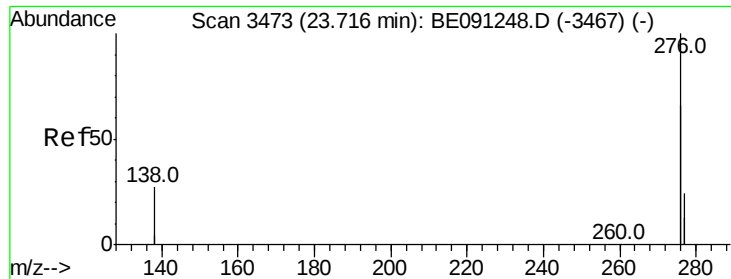


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.44 ng/ul

RT: 23.71 min Scan# 3473

Delta R.T. -0.01 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

Instrument :

BNA_E

ClientSampleId :

SSTD0.479

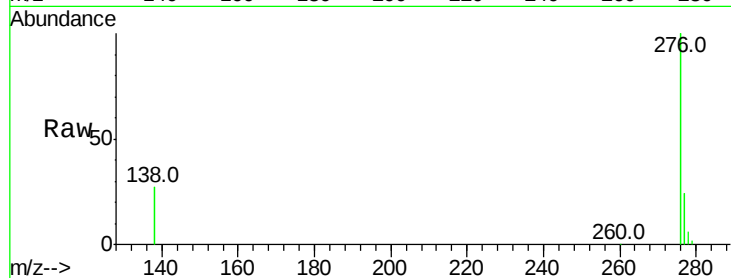
Tot Ion:276 Resp: 61661

Ion Ratio Lower Upper

276 100

138 26.2 27.5 41.3#

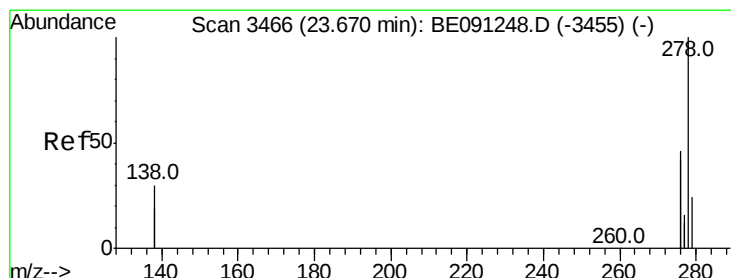
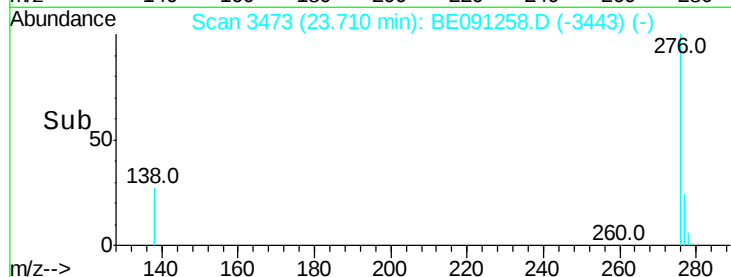
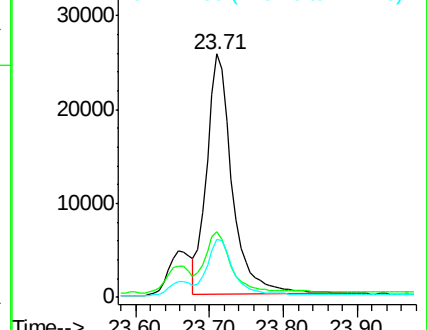
277 24.0 19.3 28.9



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: 0.42 ng/ul

RT: 23.66 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

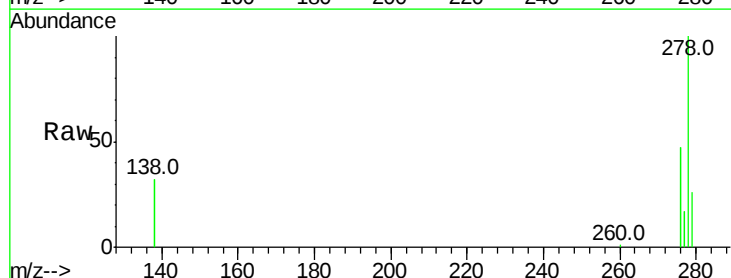
Tgt Ion:278 Resp: 13951

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

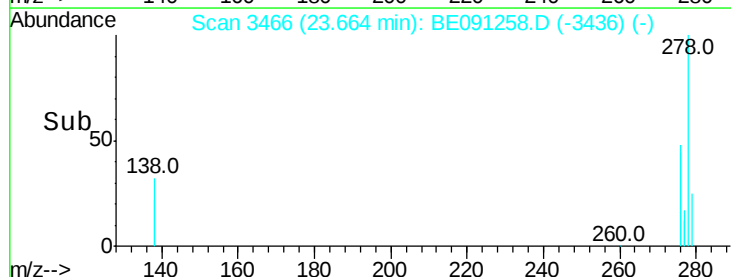
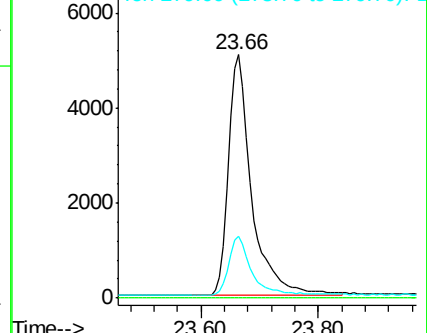
279 25.6 21.9 32.9

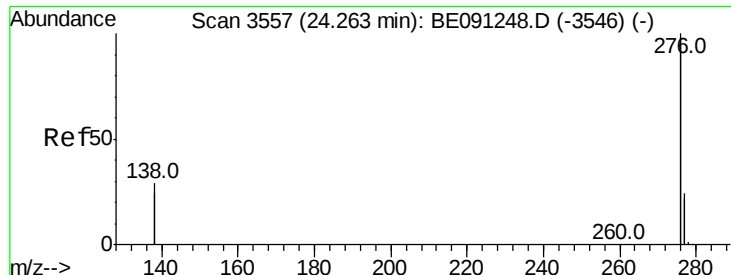


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.44 ng/ul

RT: 24.26 min Scan# 3558

Delta R.T. 0.00 min

Lab File: BE091258.D

Acq: 21 Nov 2015 00:05

Instrument :

BNA_E

ClientSampleId :

SSTD0.479

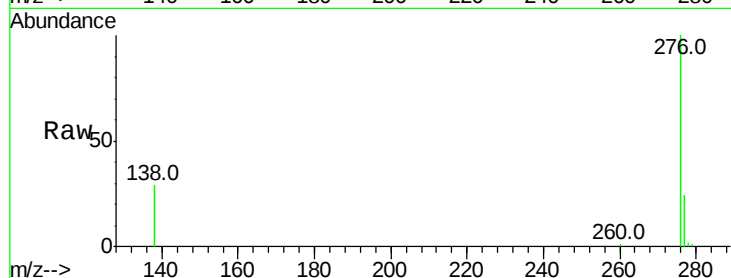
Tot Ion:276 Resp: 64141

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

