

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091053.D
 Acq On : 27 Oct 2015 15:24
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.483

Quant Time: Oct 28 03:55:23 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 : Wed Oct 28 03:51:36 2015
 Response via : Initial Calibration

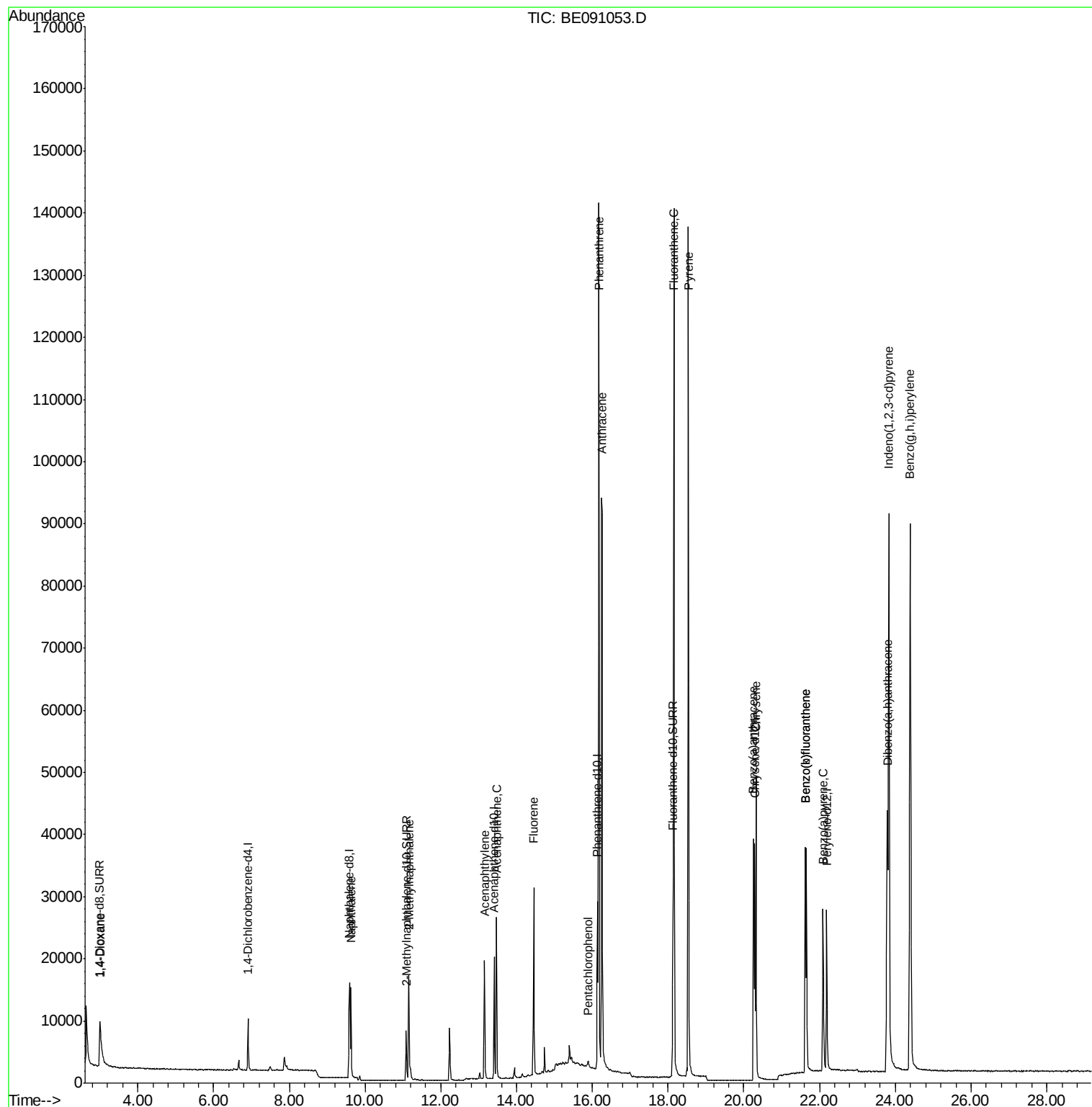
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	3993	0.40	ng/ul	0.00
4) Naphthalene-d8	9.58	136	18746	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	10002	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	30102	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	32747	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	27725	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.99	96	6141	2.15	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.09	152	10289	0.40	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	31870	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.01	88	6628	2.02	ng/ul#	67
5) Naphthalene	9.62	128	19031	0.41	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	12203	0.40	ng/ul	94
9) Acenaphthylene	13.15	152	20564	0.41	ng/ul	97
10) Acenaphthene	13.47	153	13997	0.41	ng/ul	88
11) Fluorene	14.45	166	18861	0.44	ng/ul	94
13) Pentachlorophenol	15.89	266	917	0.32	ng/ul	94
14) Phenanthrene	16.17	178	140971	0.41	ng/ul	97
15) Anthracene	16.24	178	122611	0.38	ng/ul	97
17) Fluoranthene	18.15	202	155920	0.38	ng/ul	89
19) Pyrene	18.54	202	150119	0.40	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	32752	0.39	ng/ul	99
21) Chrysene	20.32	228	39205	0.41	ng/ul	98
23) Benzo(b)fluoranthene	21.62	252	35410	0.41	ng/ul	95
24) Benzo(k)fluoranthene	21.62	252	35410	0.40	ng/ul	96
25) Benzo(a)pyrene	22.09	252	32438	0.41	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	162280	0.49	ng/ul#	80
27) Dibenzo(a,h)anthracene	23.79	278	32236	0.40	ng/ul#	71
28) Benzo(g,h,i)perylene	24.39	276	142650	0.40	ng/ul	92

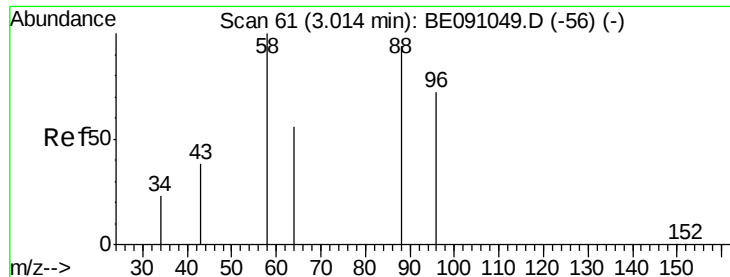
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
Data File : BE091053.D
Acq On : 27 Oct 2015 15:24
Operator : UM/NP
Sample : SSTDCCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.483

Quant Time: Oct 28 03:55:23 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 : Wed Oct 28 03:51:36 2015
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#3

1,4-Dioxane

Concen: 2.02 ng/ul

RT: 3.01 min Scan# 60

Delta R.T. -0.01 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

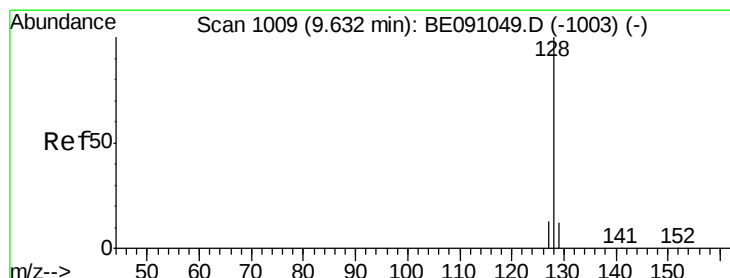
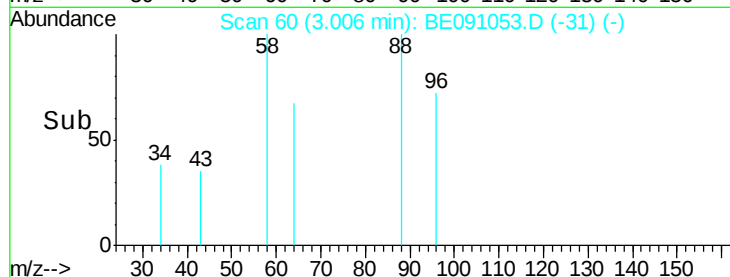
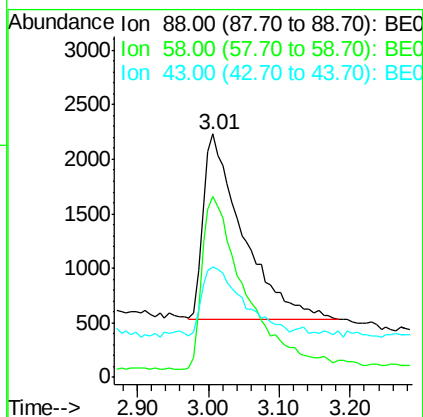
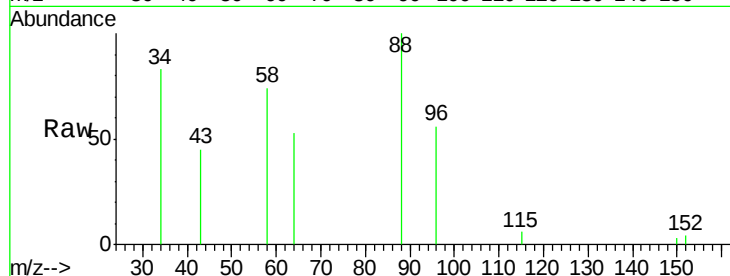
Tot Ion: 88 Resp: 6628

Ion Ratio Lower Upper

88 100

58 102.9 55.4 83.2#

43 38.2 24.2 36.2#



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 9.62 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

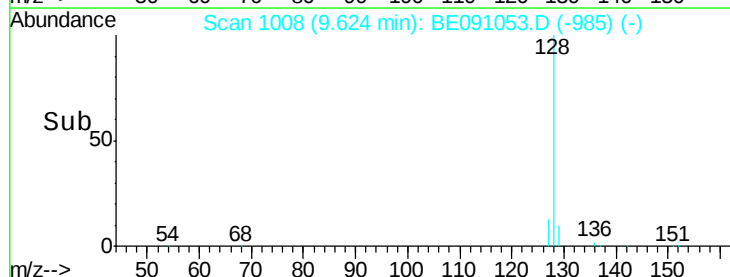
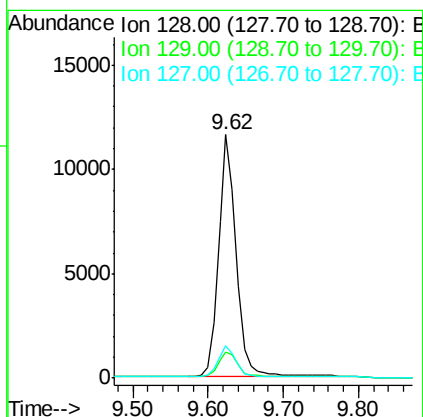
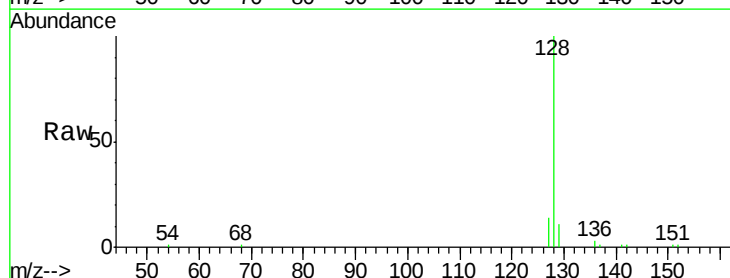
Tgt Ion: 128 Resp: 19031

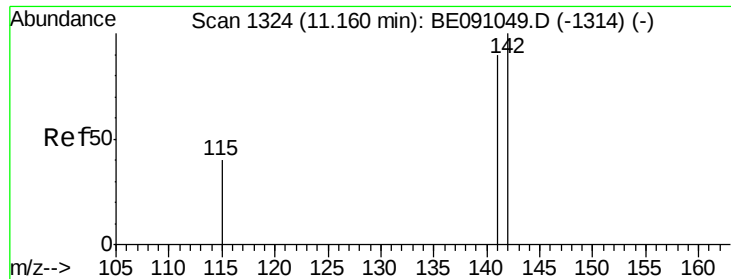
Ion Ratio Lower Upper

128 100

129 10.8 9.8 14.8

127 13.5 10.7 16.1





#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 11.15 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

Instrument :

BNA_E

ClientSampleId :

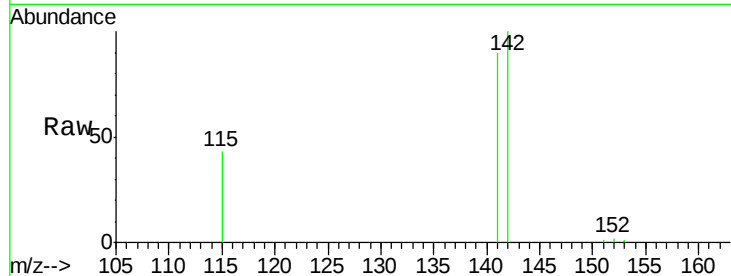
SSTD0.483

Tot Ion:142 Resp: 12203

Ion Ratio Lower Upper

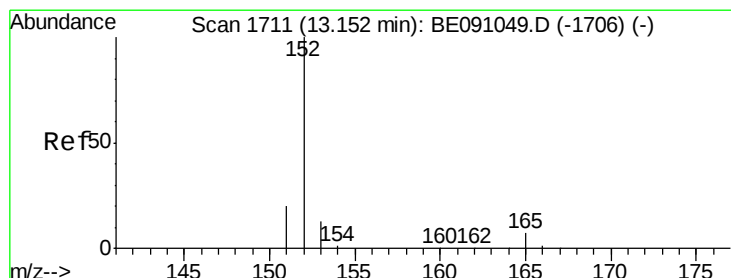
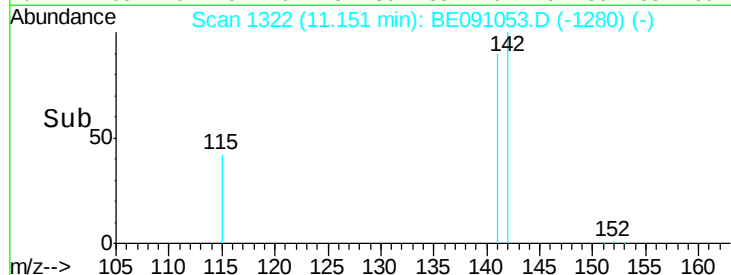
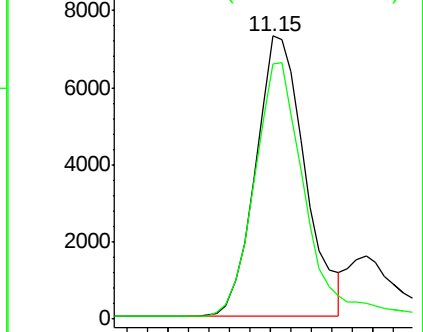
142 100

141 93.4 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: 0.41 ng/ul

RT: 13.15 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

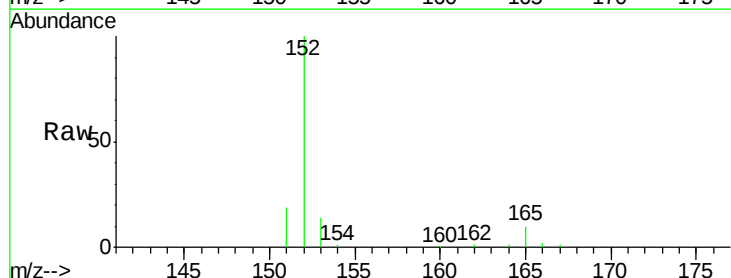
Tgt Ion:152 Resp: 20564

Ion Ratio Lower Upper

152 100

151 19.3 16.8 25.2

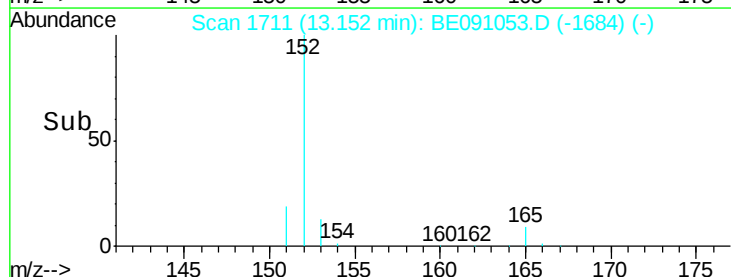
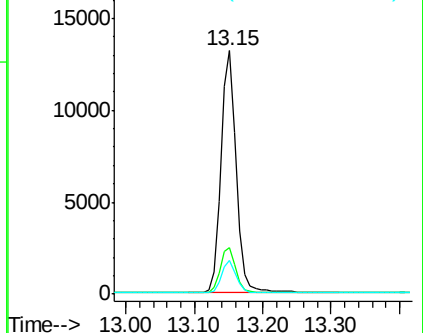
153 13.7 11.3 16.9

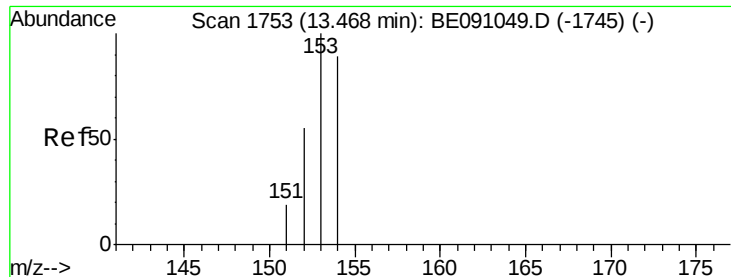


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 13.47 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

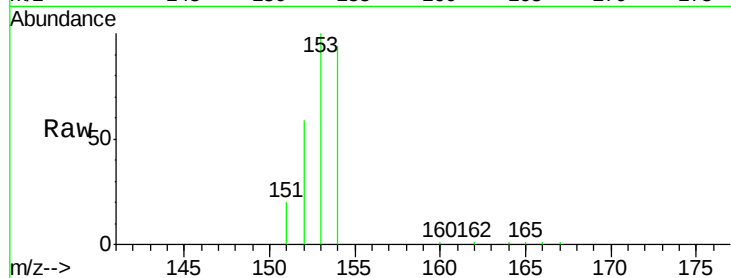
Tot Ion:153 Resp: 13997

Ion Ratio Lower Upper

153 100

152 58.9 42.3 63.5

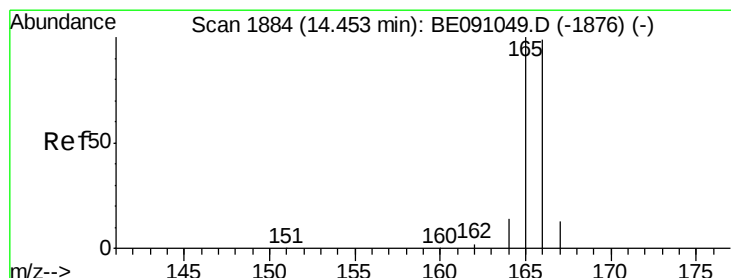
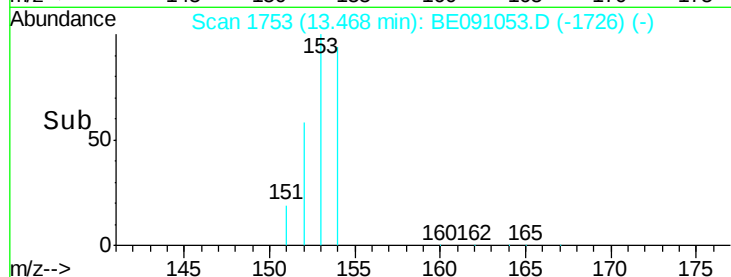
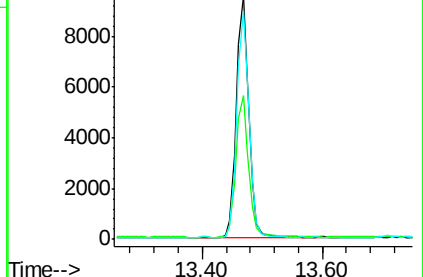
154 93.6 64.7 97.1



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: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

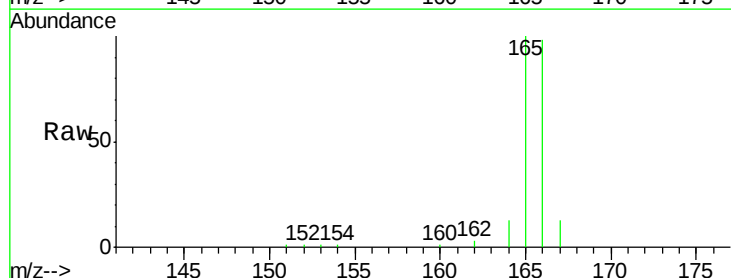
Tgt Ion:166 Resp: 18861

Ion Ratio Lower Upper

166 100

165 101.9 87.6 131.4

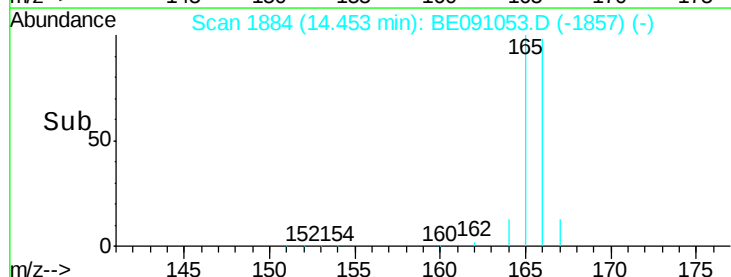
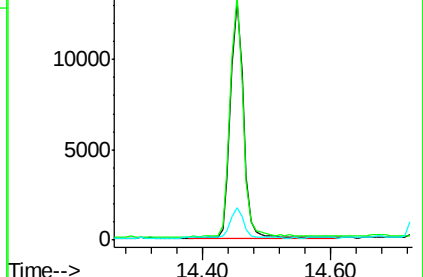
167 13.7 11.1 16.7

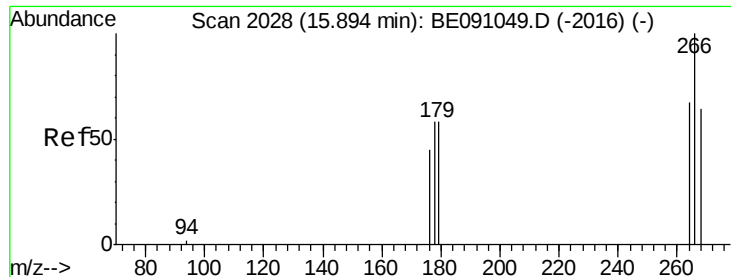


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

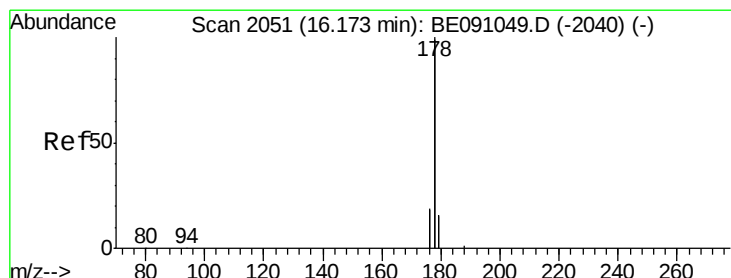
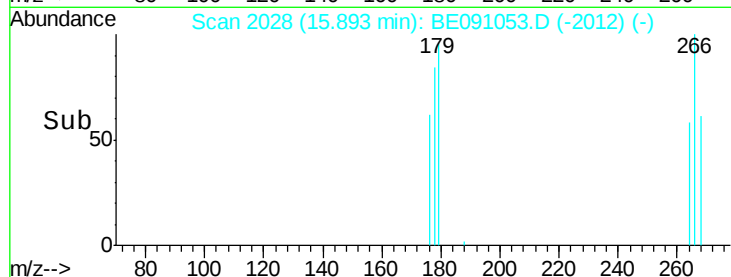
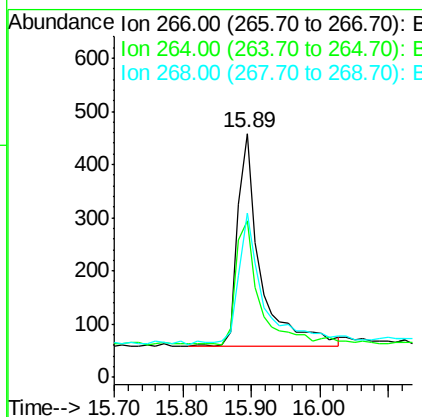
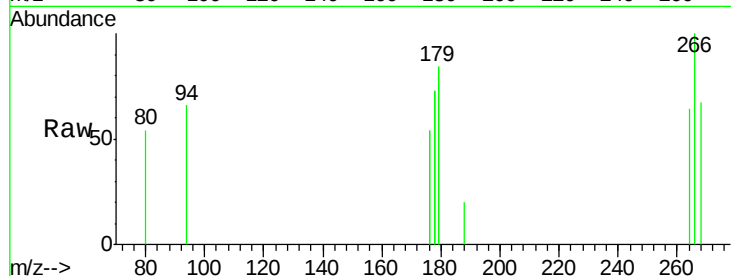




#13
 Pentachlorophenol
 Concen: 0.32 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BE091053.D
 Acq: 27 Oct 2015 15:24

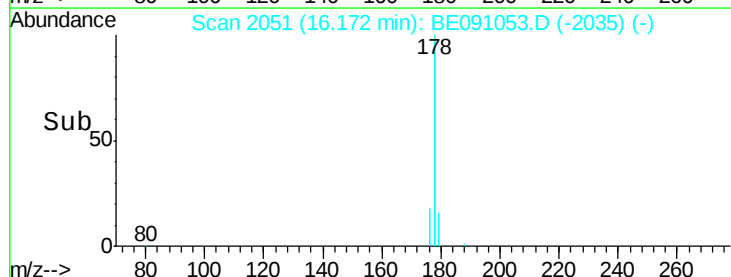
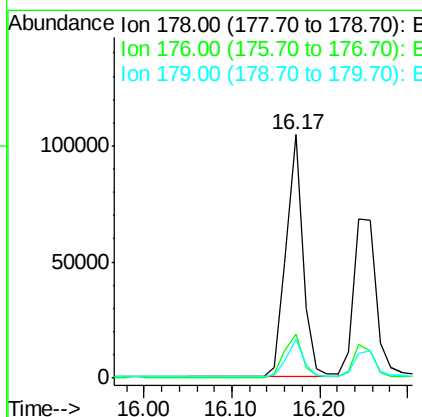
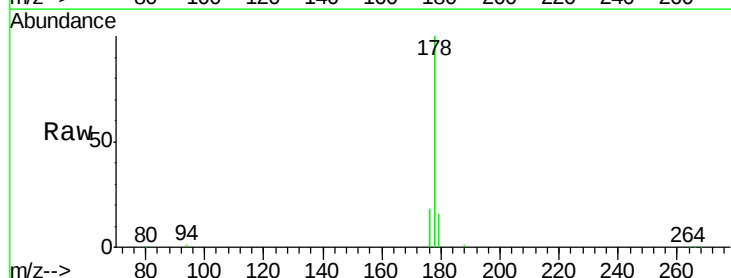
Instrument :
 BNA_E
 ClientSampleId :
 SST0.483

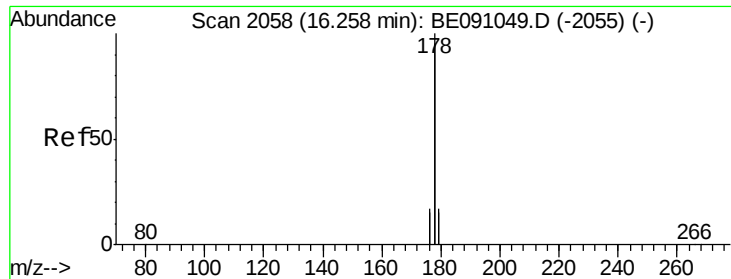
Tot Ion:266 Resp: 917
 Ion Ratio Lower Upper
 266 100
 264 60.7 53.5 80.3
 268 70.8 54.2 81.2



#14
 Phenanthrene
 Concen: 0.41 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BE091053.D
 Acq: 27 Oct 2015 15:24

Tgt Ion:178 Resp: 140971
 Ion Ratio Lower Upper
 178 100
 176 18.1 16.2 24.4
 179 15.9 12.8 19.2





#15

Anthracene

Concen: 0.38 ng/ul

RT: 16.24 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

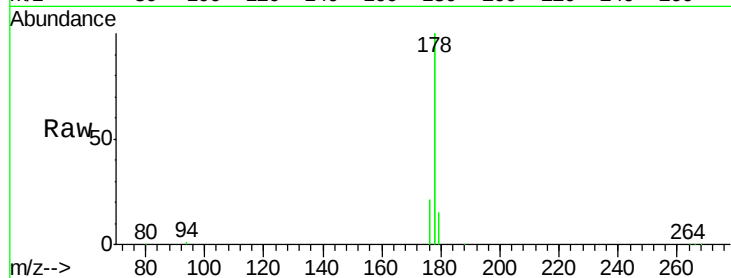
Tot Ion:178 Resp: 122611

Ion Ratio Lower Upper

178 100

176 20.8 15.8 23.8

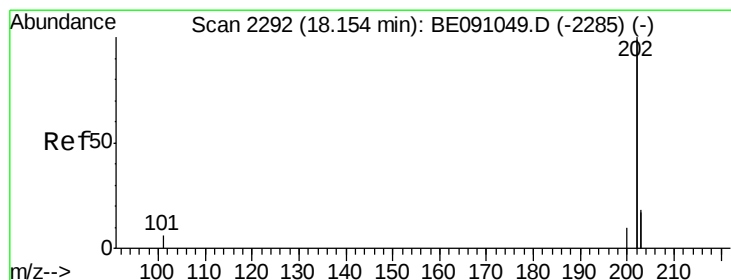
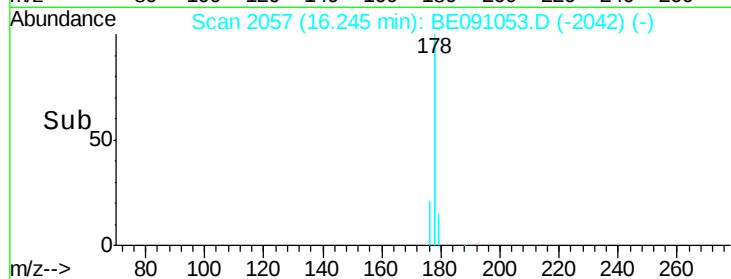
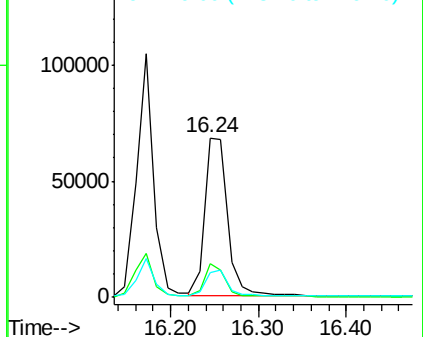
179 15.2 13.3 19.9



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: 18.15 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

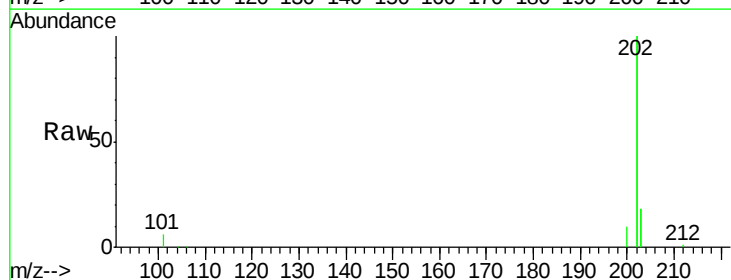
Tgt Ion:202 Resp: 155920

Ion Ratio Lower Upper

202 100

101 3.1 0.0 33.1

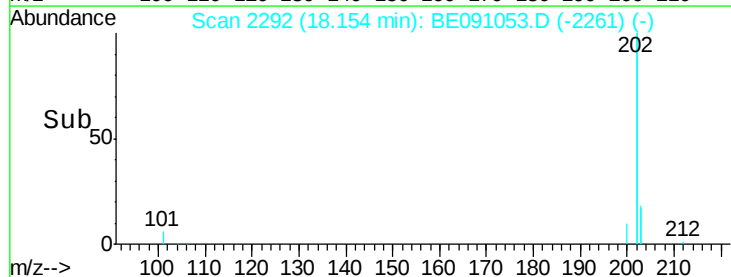
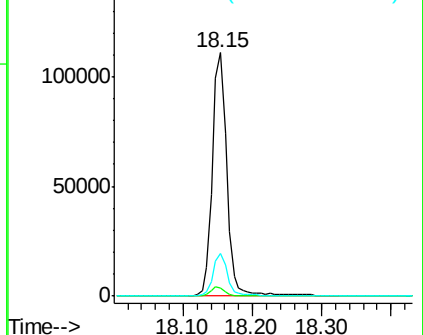
203 17.5 0.0 37.2

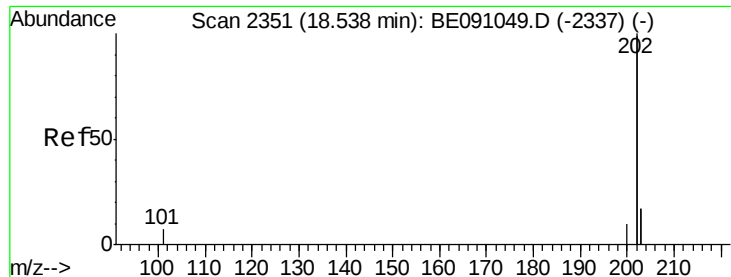


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.40 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. 0.00 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

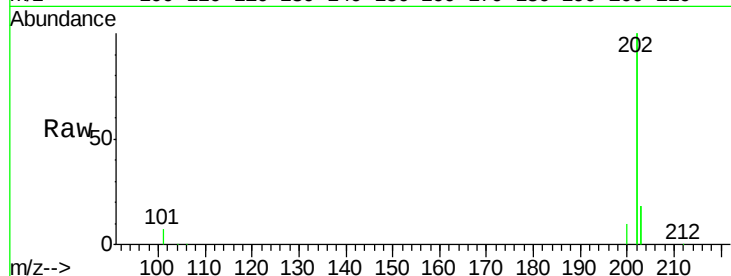
Tot Ion:202 Resp: 150119

Ion Ratio Lower Upper

202 100

200 5.0 18.0 27.0#

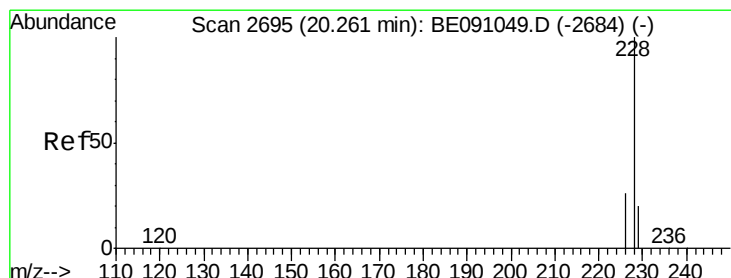
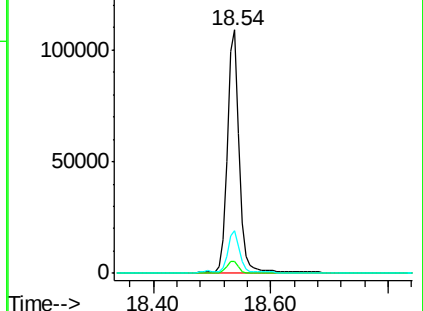
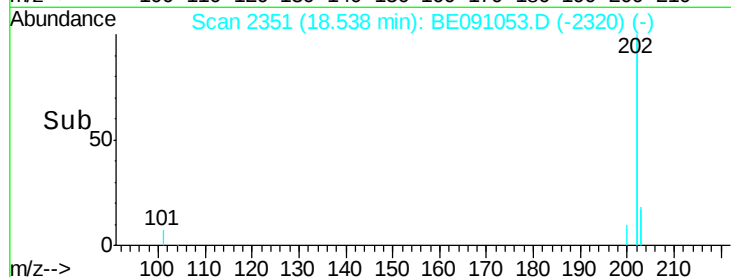
203 17.8 13.8 20.6



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: 0.39 ng/ul

RT: 20.26 min Scan# 2693

Delta R.T. -0.01 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

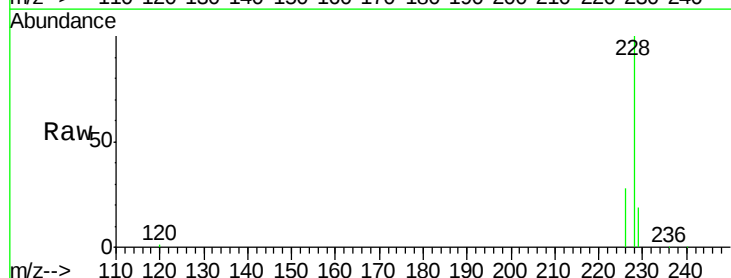
Tgt Ion:228 Resp: 32752

Ion Ratio Lower Upper

228 100

226 27.7 23.0 34.4

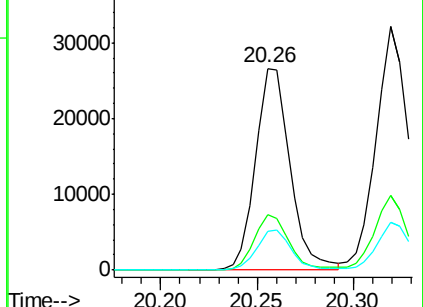
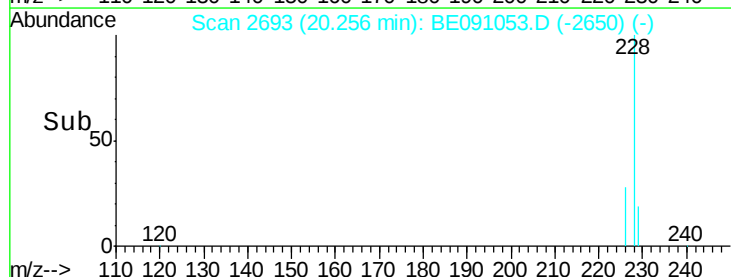
229 19.1 15.2 22.8

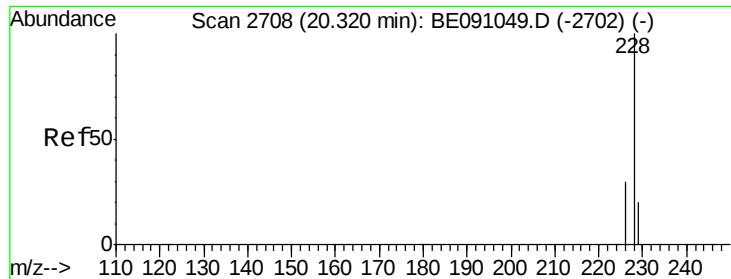


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

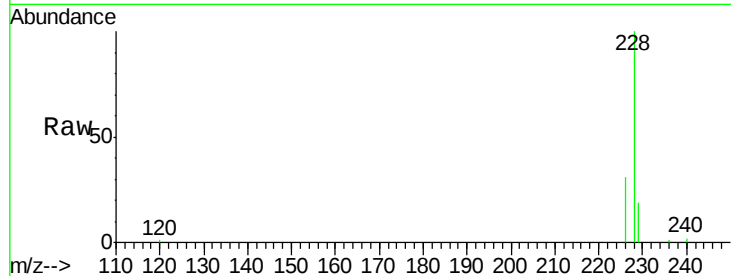
Tot Ion:228 Resp: 39205

Ion Ratio Lower Upper

228 100

226 30.6 25.7 38.5

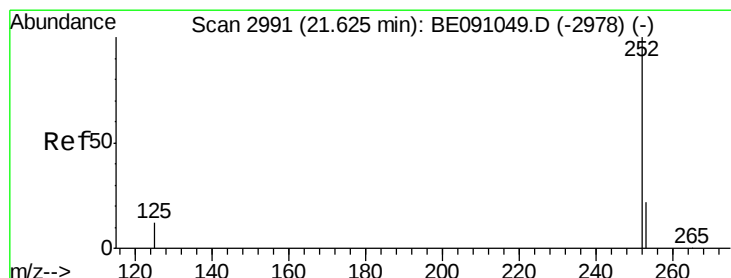
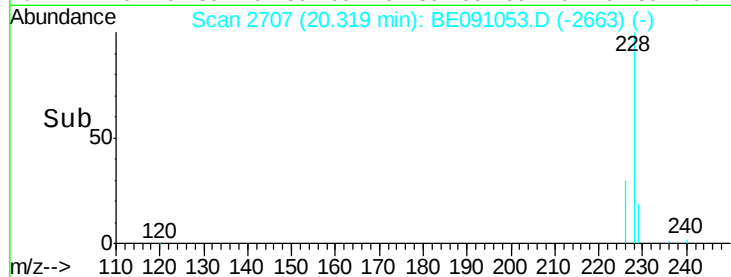
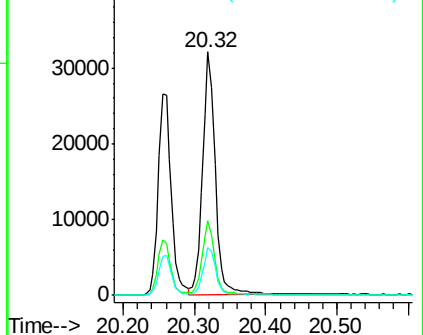
229 19.5 15.2 22.8



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: 0.41 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

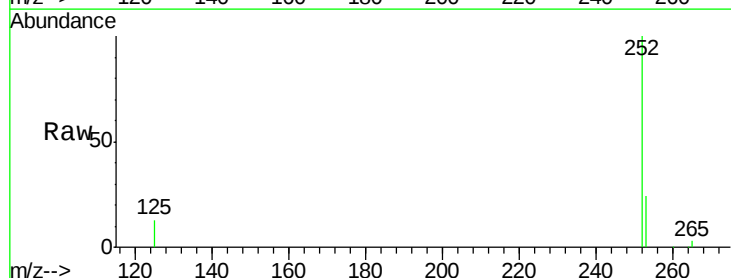
Tgt Ion:252 Resp: 35410

Ion Ratio Lower Upper

252 100

253 24.0 0.0 48.0

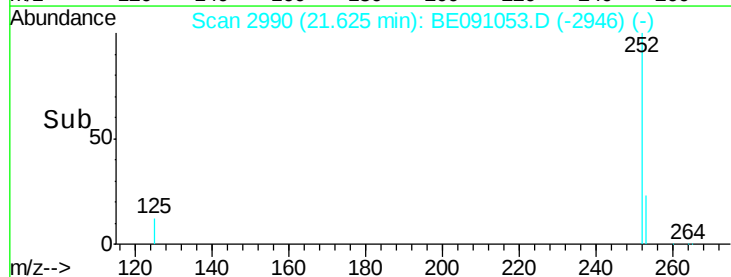
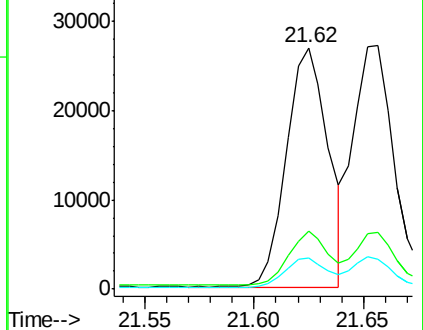
125 13.0 0.0 36.6

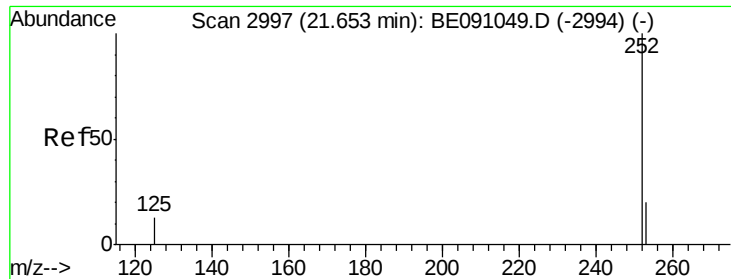


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.03 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

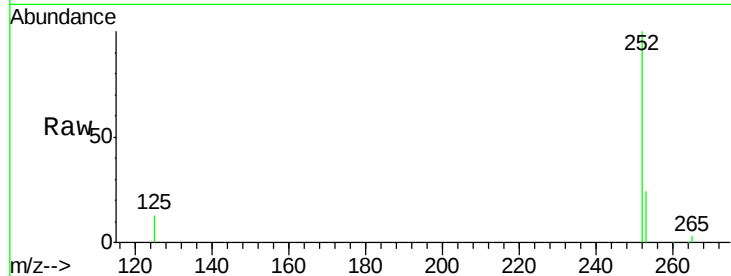
Tot Ion:252 Resp: 35410

Ion Ratio Lower Upper

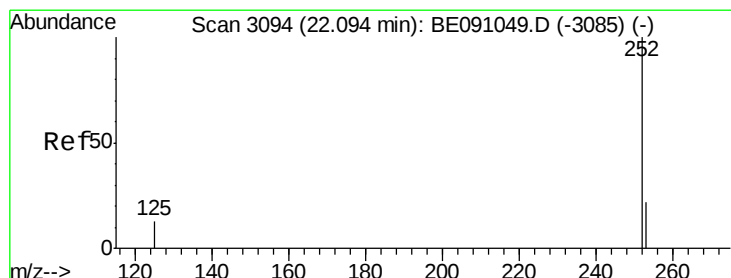
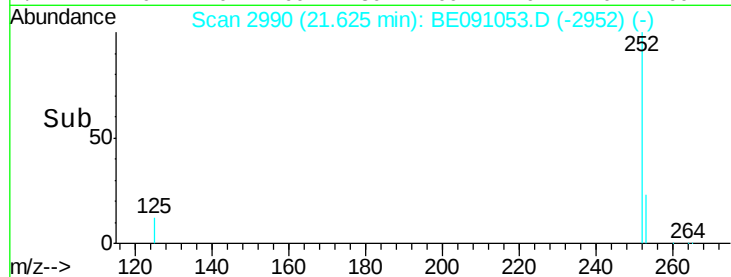
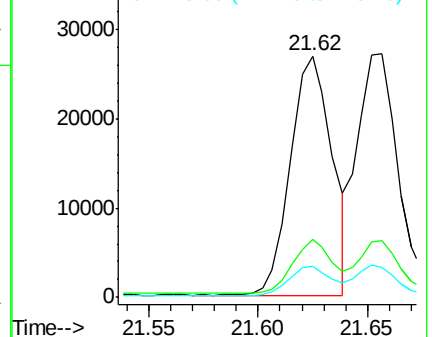
252 100

253 24.0 20.8 31.2

125 13.0 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: 0.41 ng/ul

RT: 22.09 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

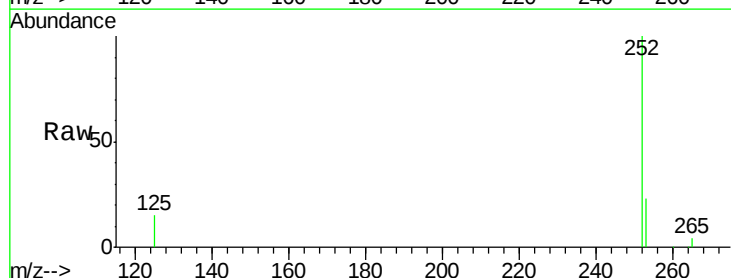
Tgt Ion:252 Resp: 32438

Ion Ratio Lower Upper

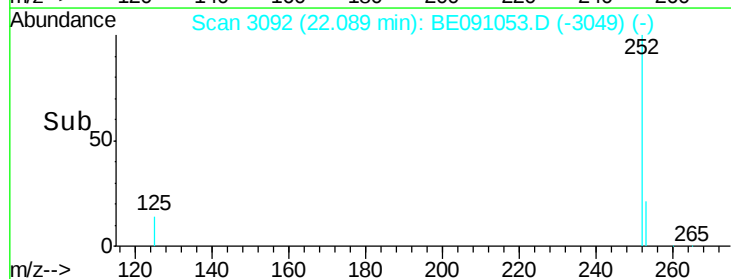
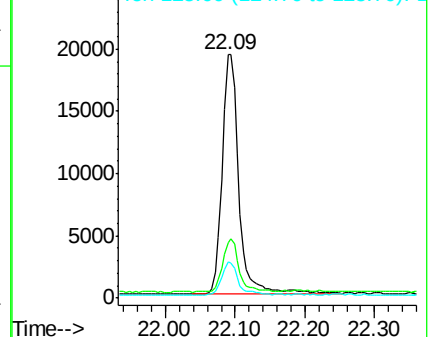
252 100

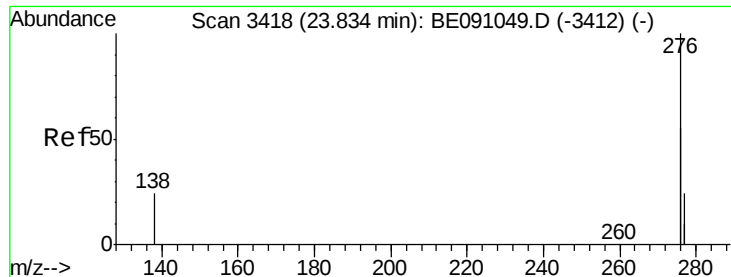
253 22.9 21.8 32.8

125 14.7 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

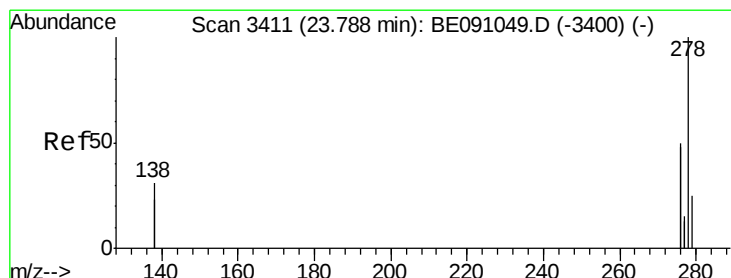
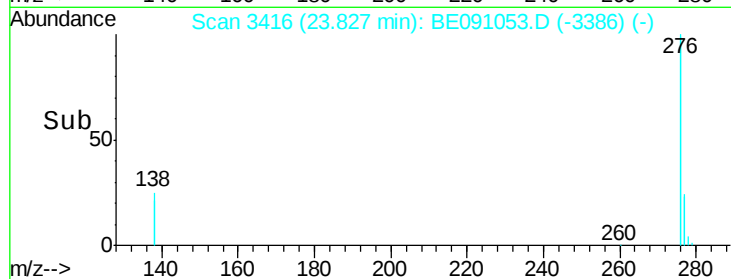
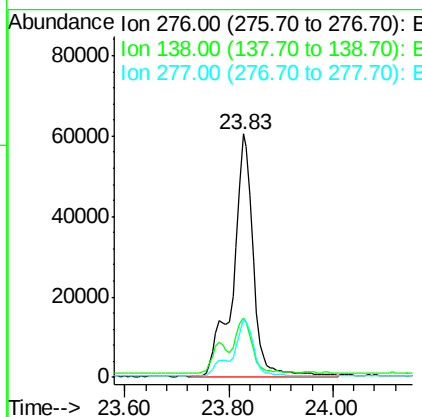
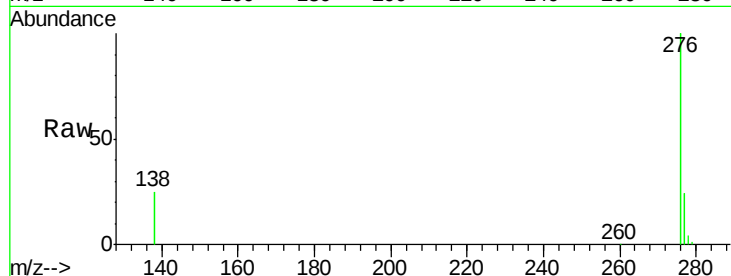




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.49 ng/ul
 RT: 23.83 min Scan# 3416
 Delta R.T. -0.01 min
 Lab File: BE091053.D
 Acq: 27 Oct 2015 15:24

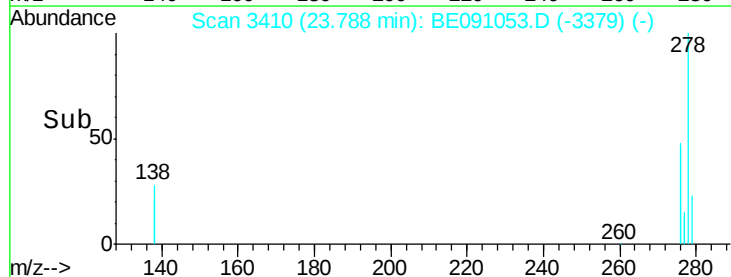
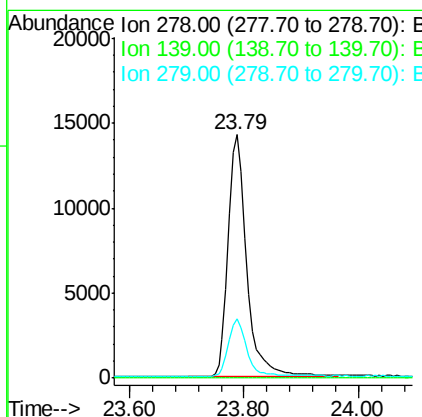
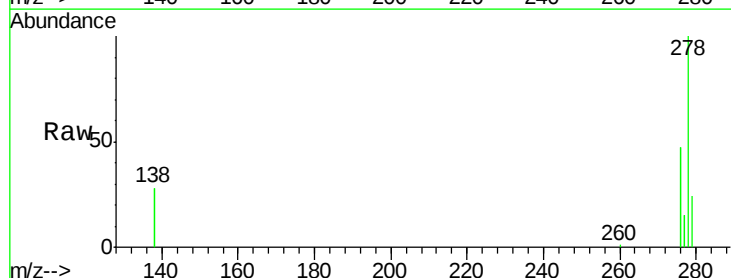
Instrument :
 BNA_E
 ClientSampleId :
 SST0.483

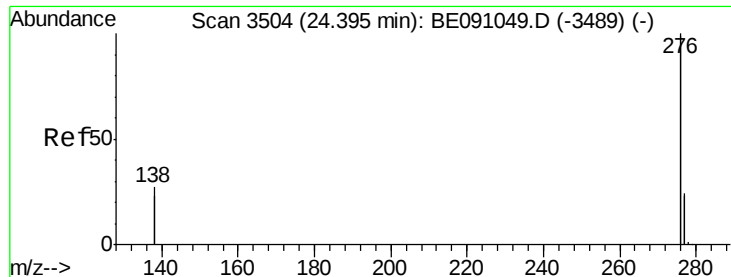
Tot Ion:276 Resp: 162280
 Ion Ratio Lower Upper
 276 100
 138 18.5 27.5 41.3#
 277 19.4 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.40 ng/ul
 RT: 23.79 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: BE091053.D
 Acq: 27 Oct 2015 15:24

Tgt Ion:278 Resp: 32236
 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: 0.40 ng/ul

RT: 24.39 min Scan# 3503

Delta R.T. -0.00 min

Lab File: BE091053.D

Acq: 27 Oct 2015 15:24

Instrument :

BNA_E

ClientSampleId :

SSTD0.483

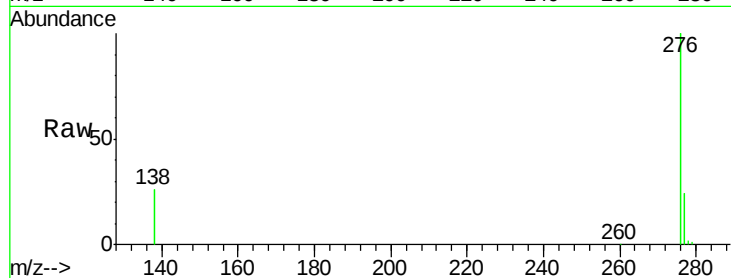
Tot Ion: 276 Resp: 142650

Ion Ratio Lower Upper

276 100

277 24.4 21.3 31.9

138 26.0 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

