

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091094.D
 Acq On : 6 Nov 2015 17:12
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTD0.489

Quant Time: Nov 09 05:55:42 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 09 05:49:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	2911	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16422	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	9080	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	22357	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	22848	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	22083	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	3717	1.78	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.08	152	8838	0.39	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	21652	0.34	ng/ul	0.00

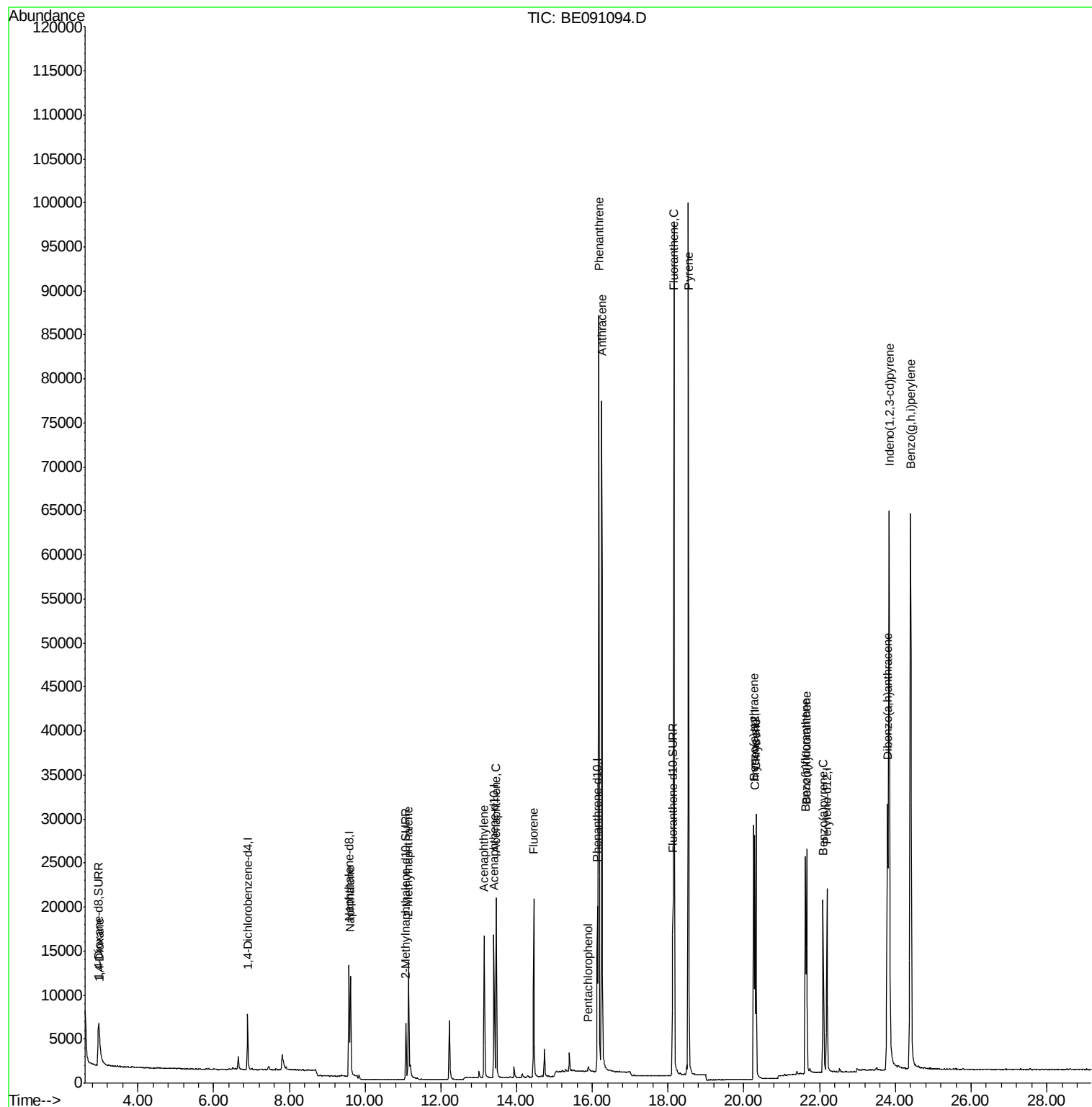
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.98	88	4265	1.80	ng/ul#	66
5) Naphthalene	9.62	128	15487	0.38	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	10213	0.39	ng/ul	90
9) Acenaphthylene	13.15	152	17774	0.39	ng/ul	98
10) Acenaphthene	13.46	153	11708	0.38	ng/ul	92
11) Fluorene	14.45	166	14065	0.35	ng/ul	90
13) Pentachlorophenol	15.89	266	671	0.32	ng/ul	95
14) Phenanthrene	16.17	178	95508	0.37	ng/ul	97
15) Anthracene	16.25	178	89760	0.38	ng/ul	98
17) Fluoranthene	18.15	202	105740	0.35	ng/ul	89
19) Pyrene	18.54	202	101860	0.39	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	23256	0.40	ng/ul	97
21) Chrysene	20.32	228	25807	0.38	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	25450	0.37	ng/ul	94
24) Benzo(k)fluoranthene	21.66	252	24578	0.35	ng/ul	93
25) Benzo(a)pyrene	22.09	252	23703	0.37	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.84	276	117353	0.44	ng/ul#	80
27) Dibenzo(a,h)anthracene	23.79	278	23960	0.38	ng/ul#	71
28) Benzo(g,h,i)perylene	24.40	276	101651	0.36	ng/ul	92

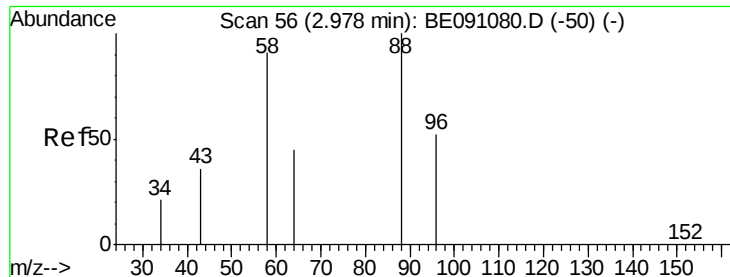
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.80 ng/ul

RT: 2.98 min Scan# 56

Delta R.T. 0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

Instrument :

BNA_F

ClientSampleId :

SSTD0.489

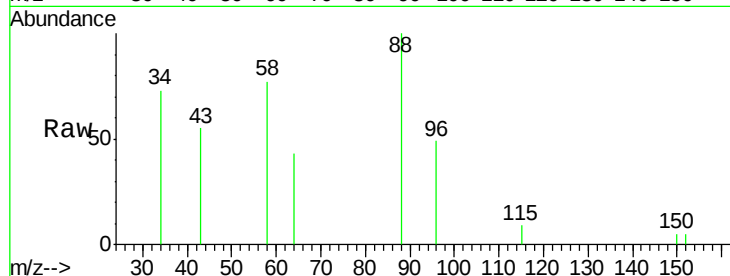
Tgt Ion: 88 Resp: 4265

Ion Ratio Lower Upper

88 100

58 98.0 55.4 83.2#

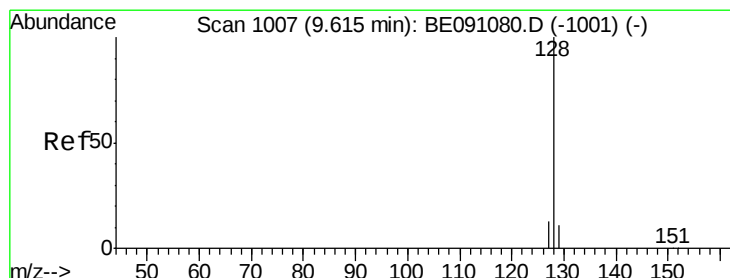
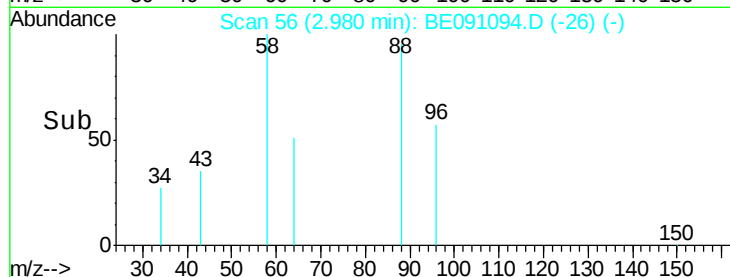
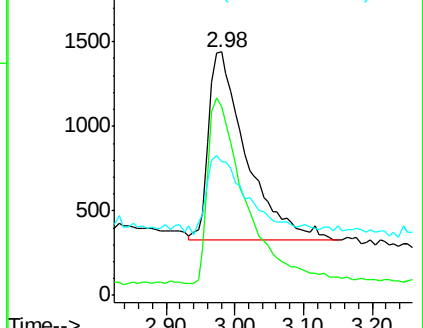
43 46.8 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091080.D (-50) (-)

Ion 58.00 (57.70 to 58.70): BE091080.D (-50) (-)

Ion 43.00 (42.70 to 43.70): BE091080.D (-50) (-)



#5

Naphthalene

Concen: 0.38 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

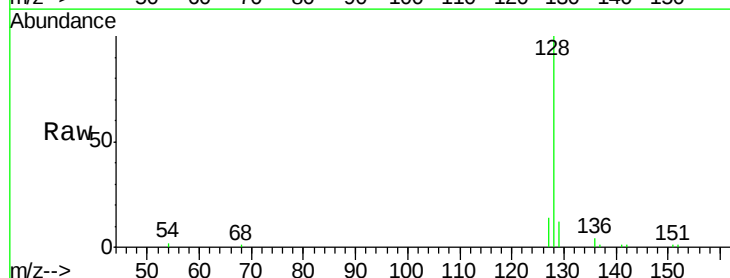
Tgt Ion: 128 Resp: 15487

Ion Ratio Lower Upper

128 100

129 11.9 9.8 14.8

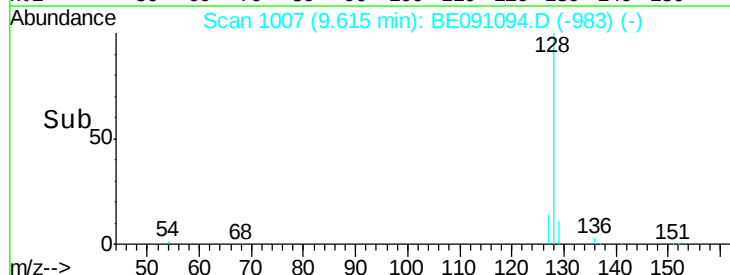
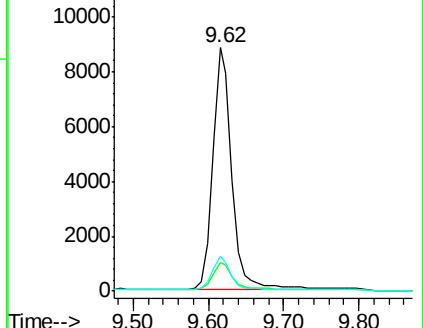
127 14.2 10.7 16.1

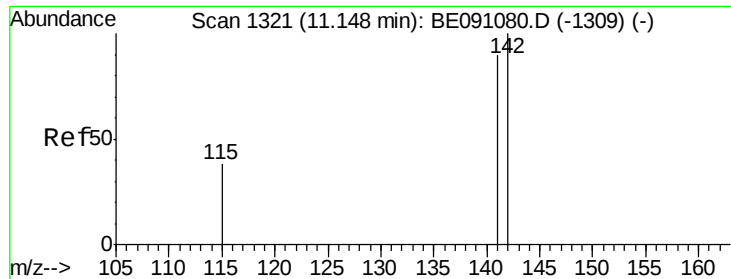


Abundance Ion 128.00 (127.70 to 128.70): BE091080.D (-1001) (-)

Ion 129.00 (128.70 to 129.70): BE091080.D (-1001) (-)

Ion 127.00 (126.70 to 127.70): BE091080.D (-1001) (-)





#7

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

Instrument :

BNA_F

ClientSampleId :

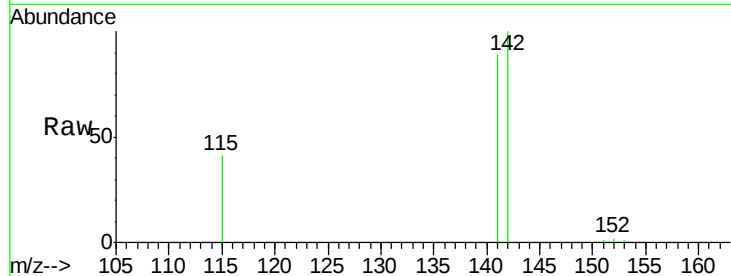
SSTD0.489

Tgt Ion:142 Resp: 10213

Ion Ratio Lower Upper

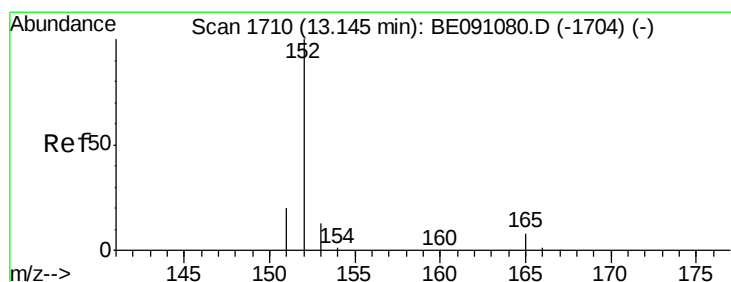
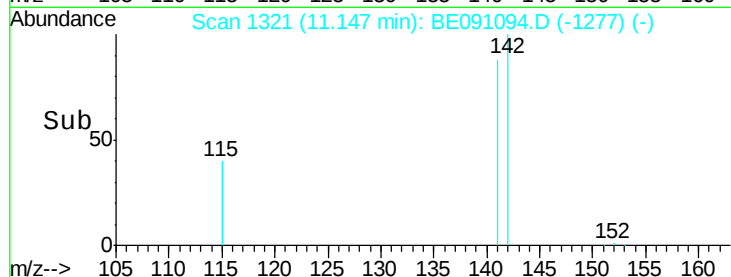
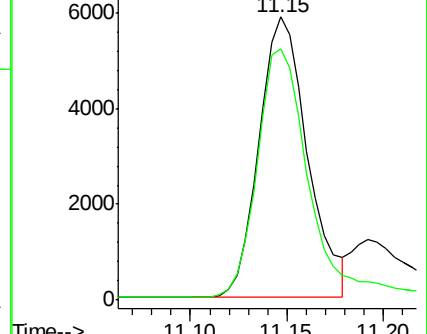
142 100

141 97.5 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: 0.39 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

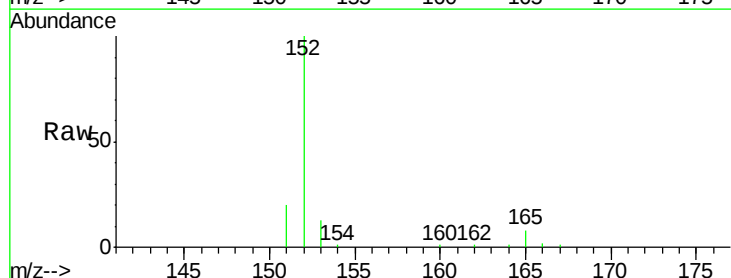
Tgt Ion:152 Resp: 17774

Ion Ratio Lower Upper

152 100

151 19.7 16.8 25.2

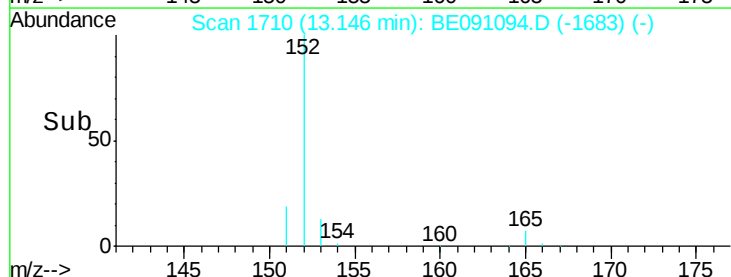
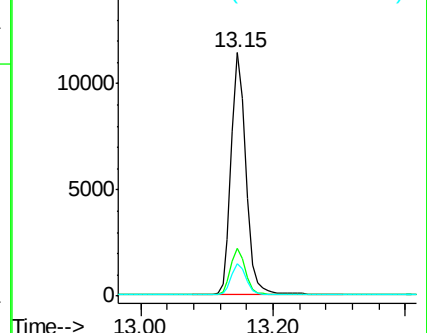
153 13.4 11.3 16.9

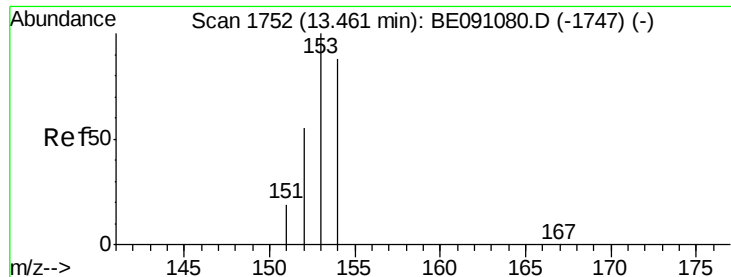


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.38 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

Instrument :

BNA_F

ClientSampleId :

SSTD0.489

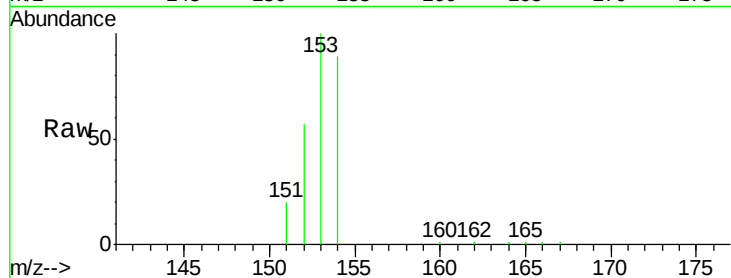
Tgt Ion:153 Resp: 11708

Ion Ratio Lower Upper

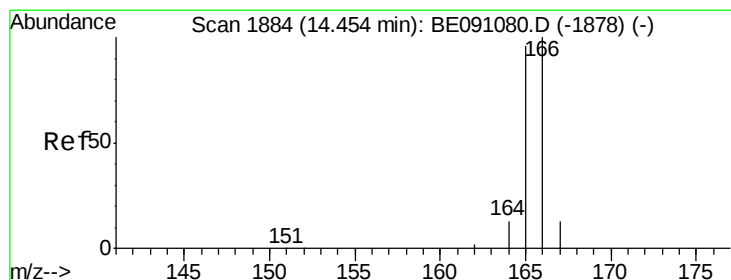
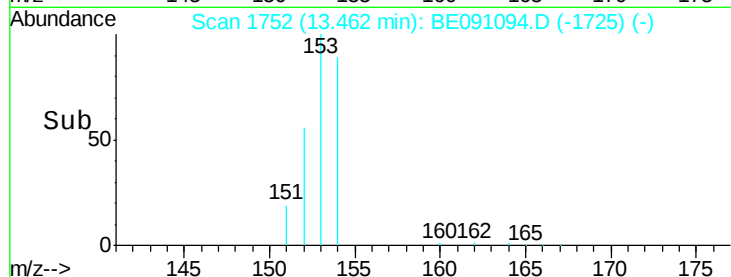
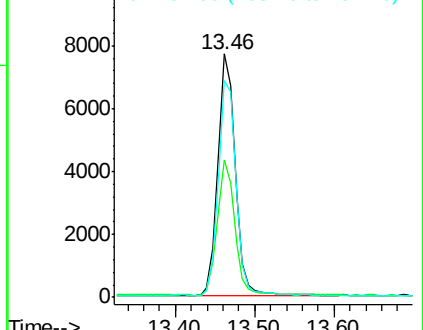
153 100

152 56.7 42.3 63.5

154 89.0 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: BE091094.D

Acq: 6 Nov 2015 17:12

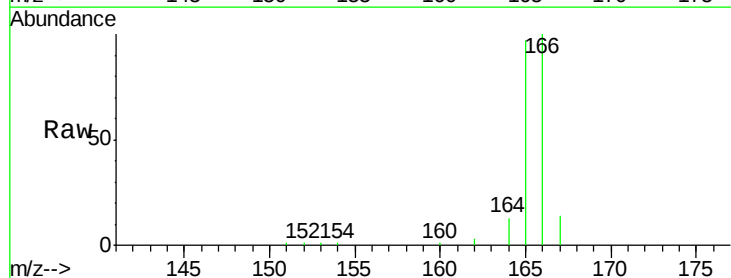
Tgt Ion:166 Resp: 14065

Ion Ratio Lower Upper

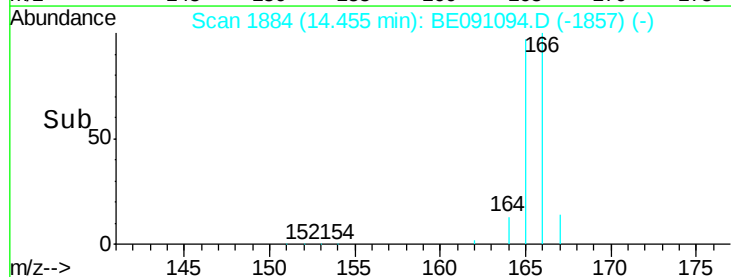
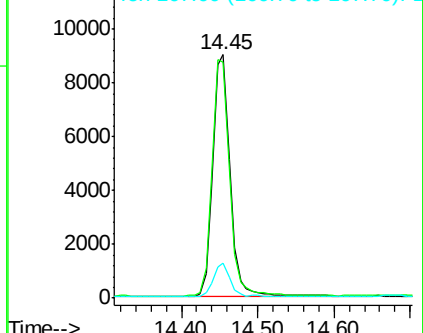
166 100

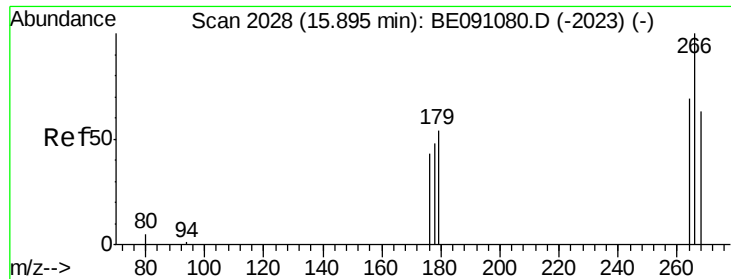
165 97.1 87.6 131.4

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

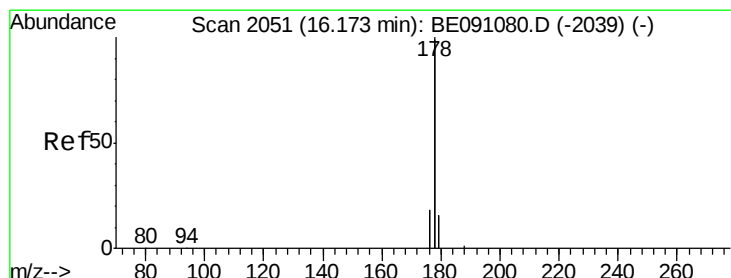
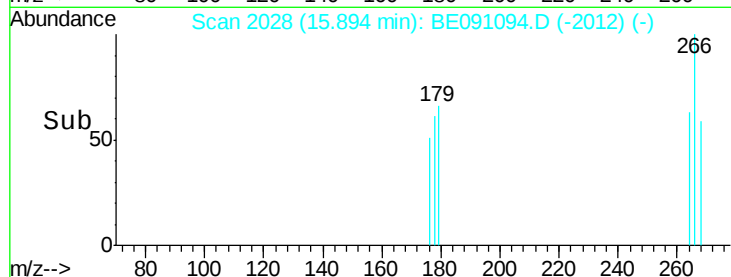
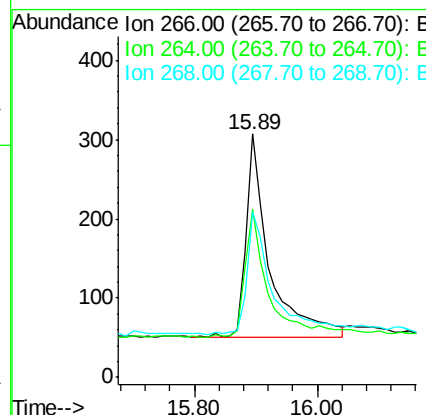
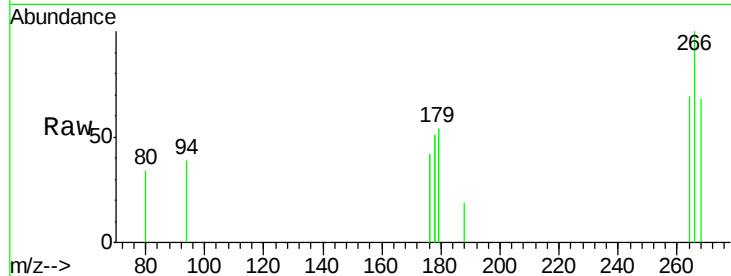




#13
 Pentachlorophenol
 Concen: 0.32 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BE091094.D
 Acq: 6 Nov 2015 17:12

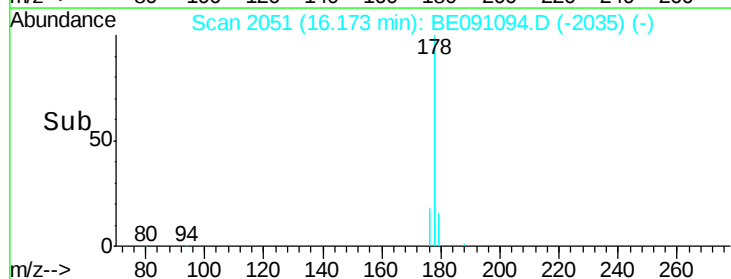
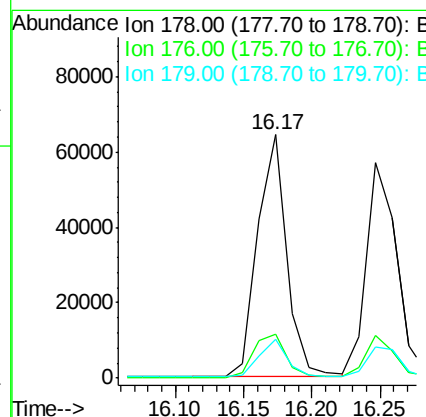
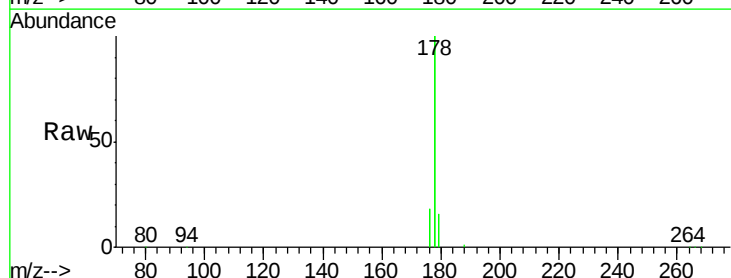
Instrument :
 BNA_F
 ClientSampleId :
 SST0.489

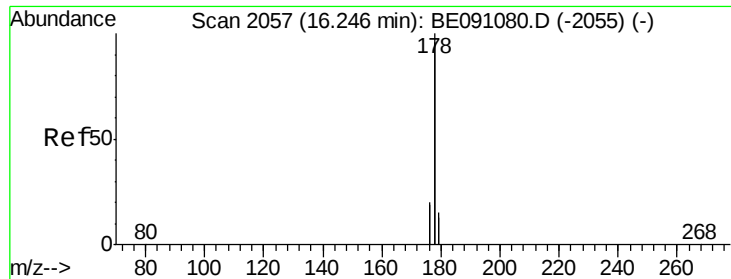
Tgt Ion: 266 Resp: 671
 Ion Ratio Lower Upper
 266 100
 264 62.3 53.5 80.3
 268 64.8 54.2 81.2



#14
 Phenanthrene
 Concen: 0.37 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BE091094.D
 Acq: 6 Nov 2015 17:12

Tgt Ion: 178 Resp: 95508
 Ion Ratio Lower Upper
 178 100
 176 17.9 16.2 24.4
 179 16.0 12.8 19.2





#15

Anthracene

Concen: 0.38 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

Instrument :

BNA_F

ClientSampleId :

SSTD0.489

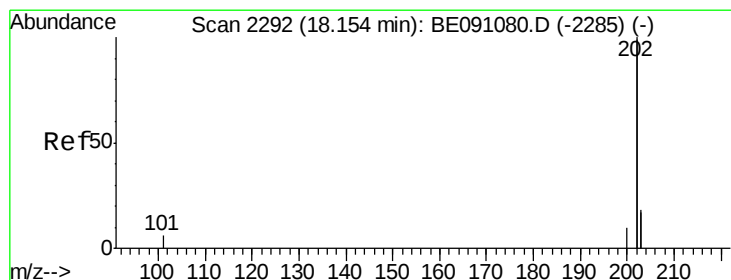
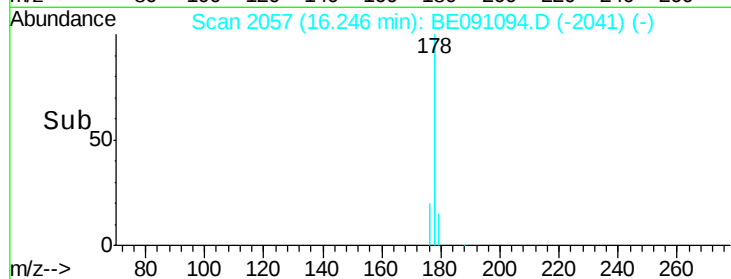
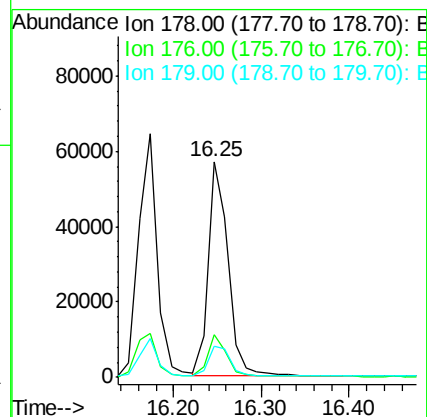
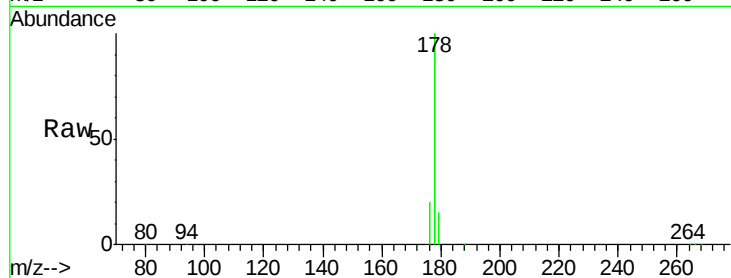
Tgt Ion:178 Resp: 89760

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

179 14.7 13.3 19.9



#17

Fluoranthene

Concen: 0.35 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

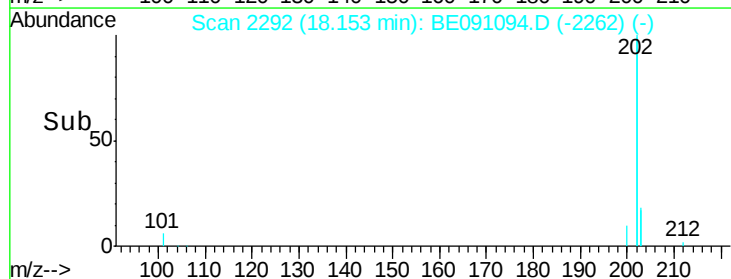
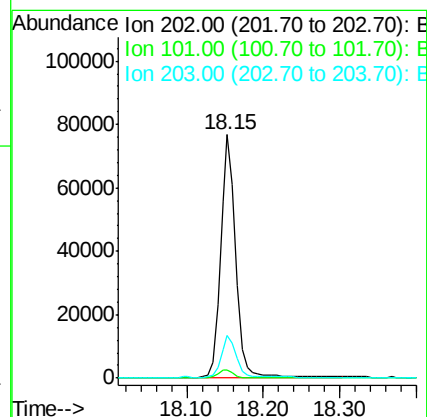
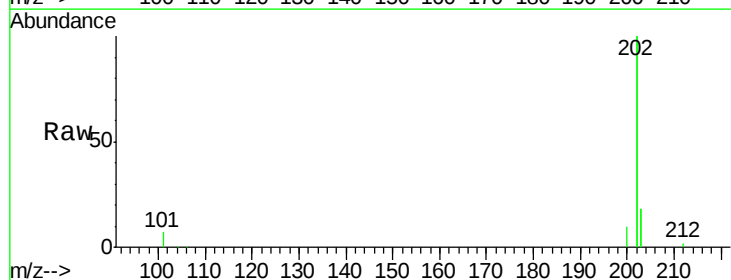
Tgt Ion:202 Resp: 105740

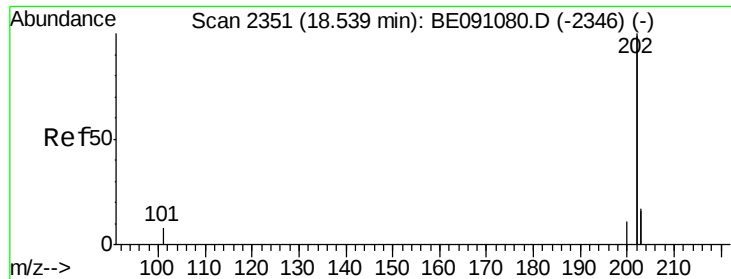
Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

203 17.5 0.0 37.2





#19

Pyrene

Concen: 0.39 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

Instrument :

BNA_F

ClientSampleId :

SSTD0.489

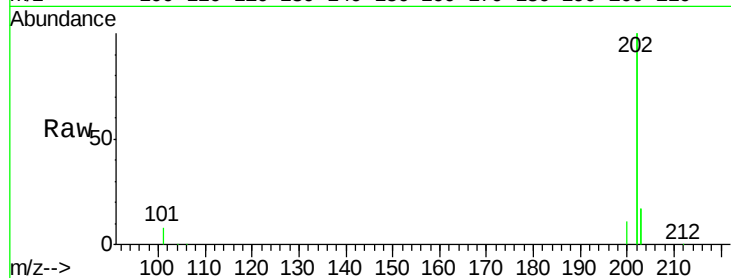
Tgt Ion:202 Resp: 101860

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

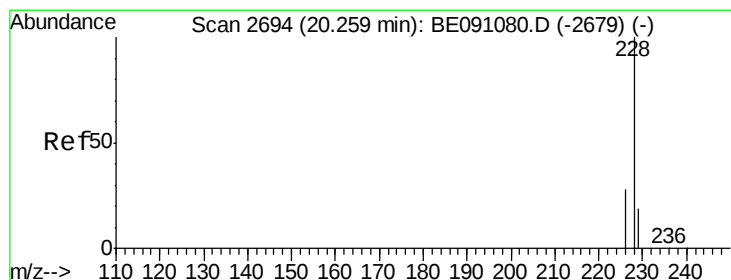
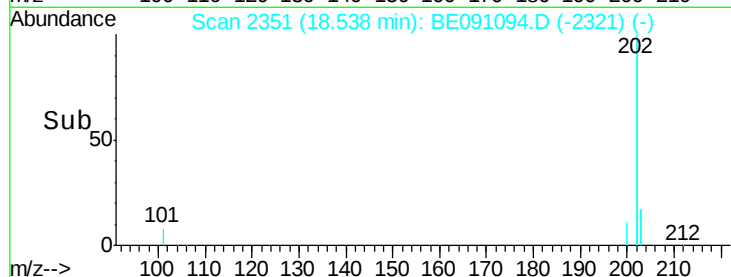
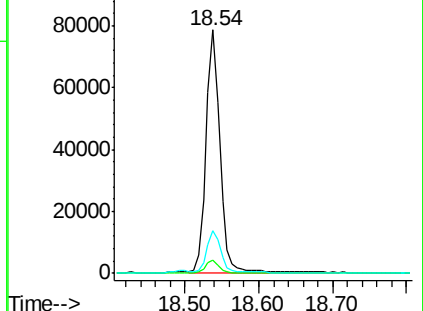
203 17.4 13.8 20.6



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: 0.40 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

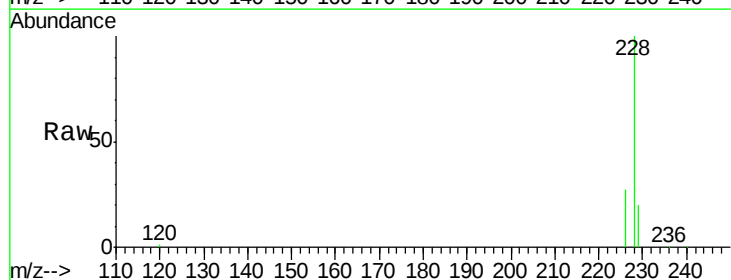
Tgt Ion:228 Resp: 23256

Ion Ratio Lower Upper

228 100

226 27.2 23.0 34.4

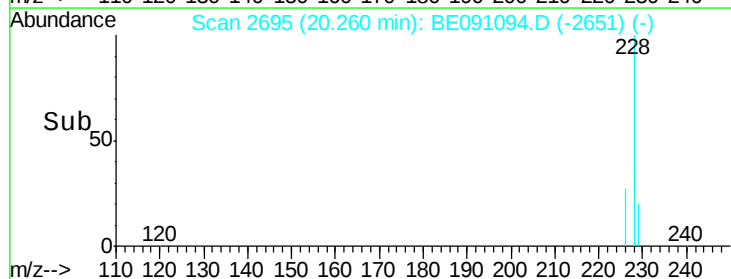
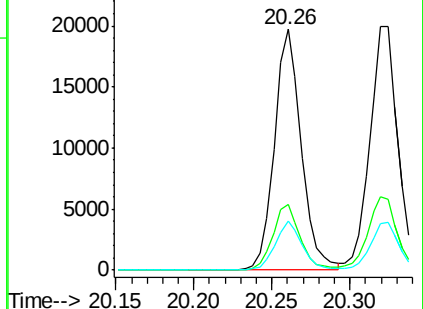
229 20.2 15.2 22.8

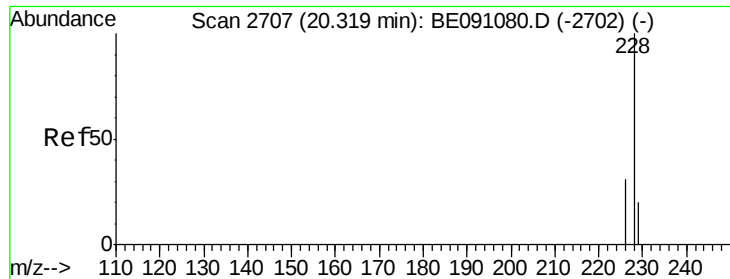


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.38 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE091094.D

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SSTD0.489

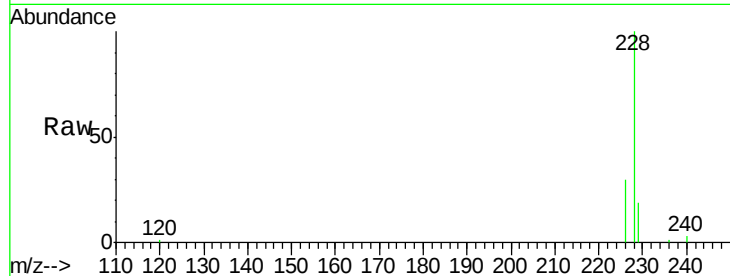
Tgt Ion:228 Resp: 25807

Ion Ratio Lower Upper

228 100

226 30.1 25.7 38.5

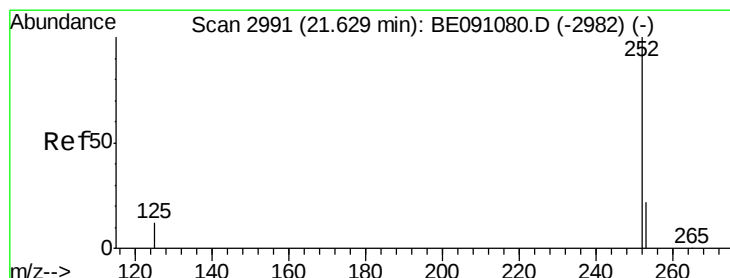
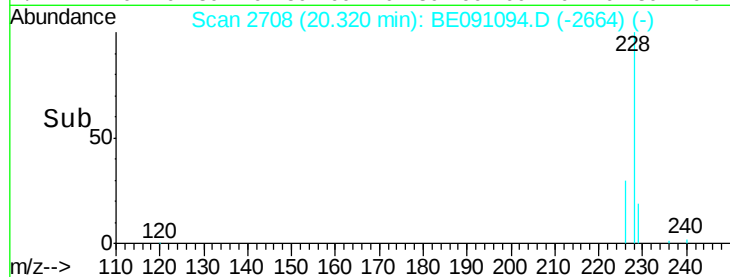
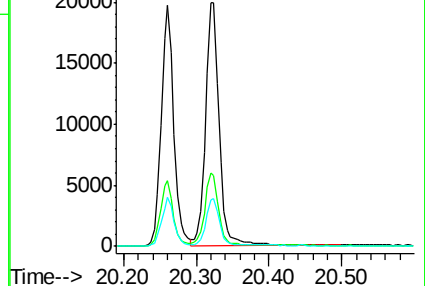
229 19.1 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.37 ng/ul

RT: 21.63 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

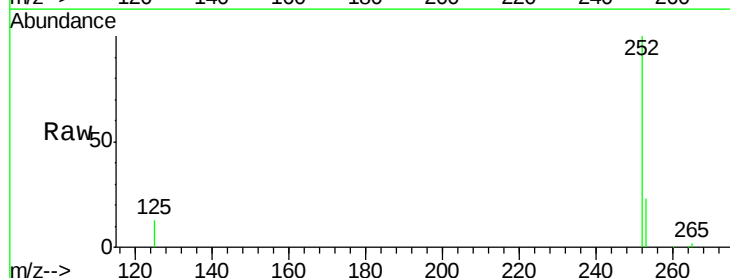
Tgt Ion:252 Resp: 25450

Ion Ratio Lower Upper

252 100

253 23.1 0.0 48.0

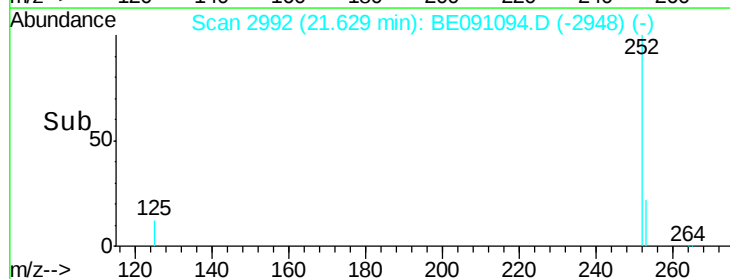
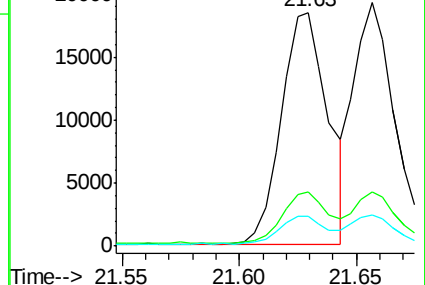
125 13.0 0.0 36.6

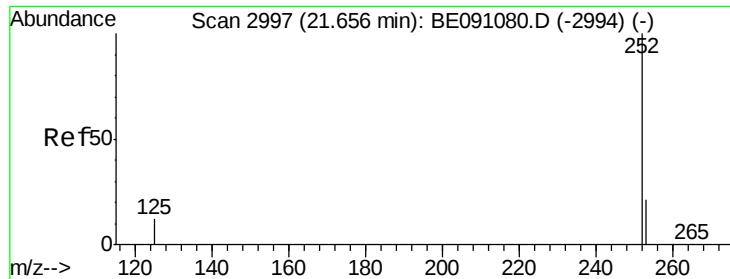


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.35 ng/ul

RT: 21.66 min Scan# 2998

Delta R.T. 0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

Instrument :

BNA_F

ClientSampleId :

SSTD0.489

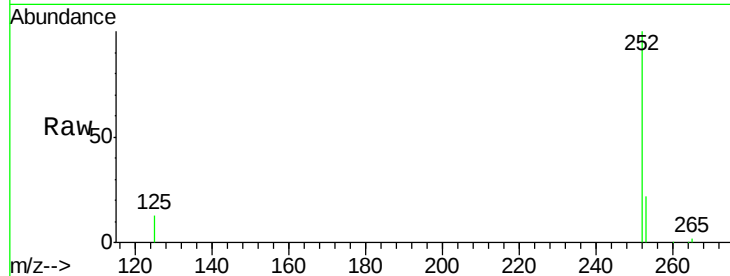
Tgt Ion:252 Resp: 24578

Ion Ratio Lower Upper

252 100

253 22.5 20.8 31.2

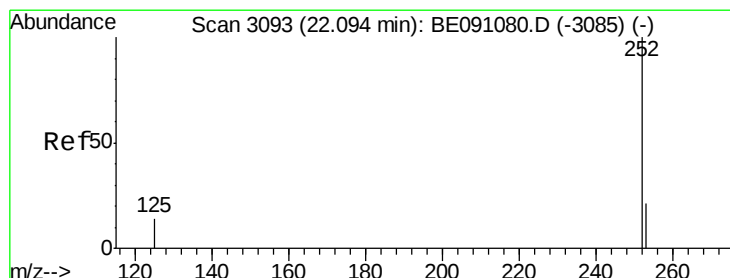
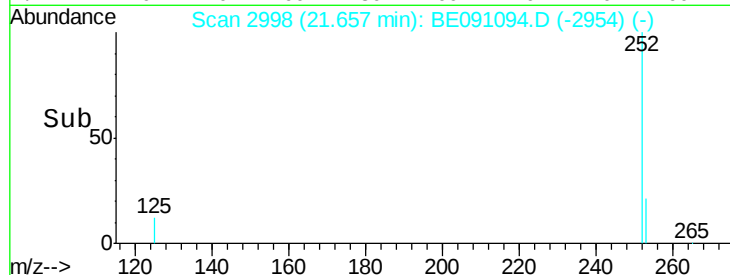
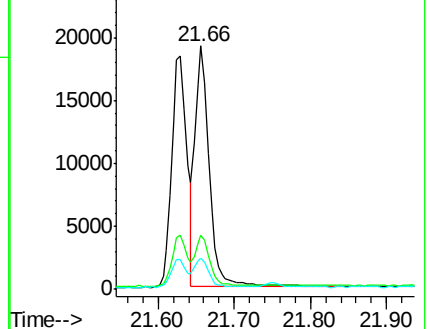
125 12.6 12.2 18.4



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: 0.37 ng/ul

RT: 22.09 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BE091094.D

Acq: 6 Nov 2015 17:12

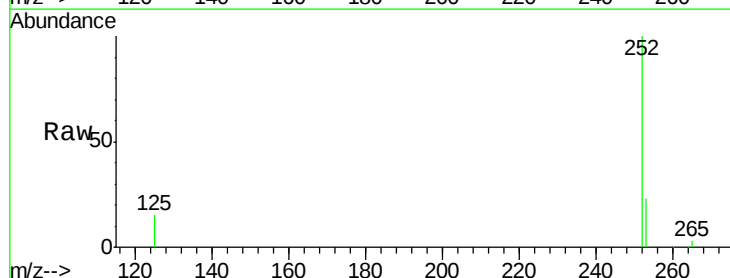
Tgt Ion:252 Resp: 23703

Ion Ratio Lower Upper

252 100

253 23.5 21.8 32.8

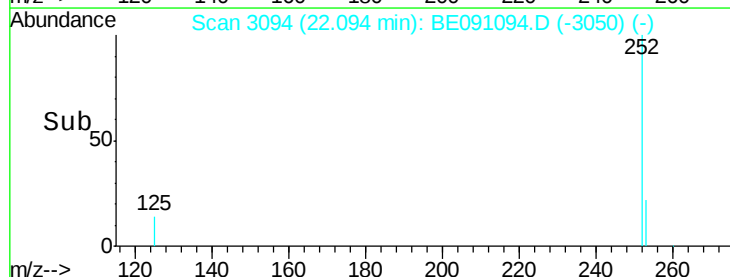
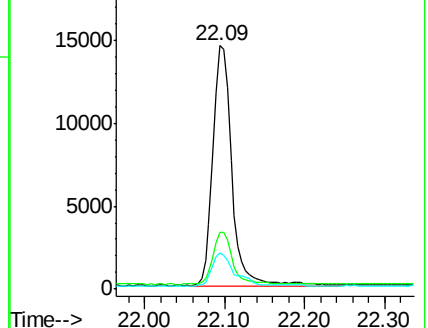
125 14.7 14.5 21.7

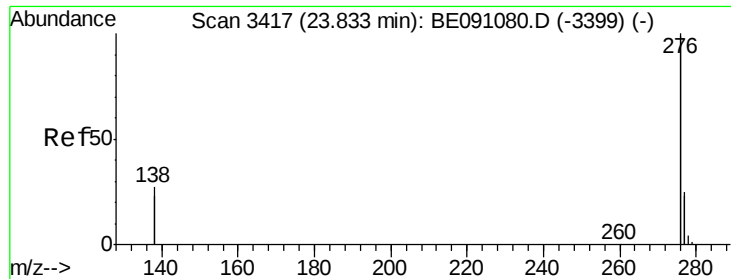


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

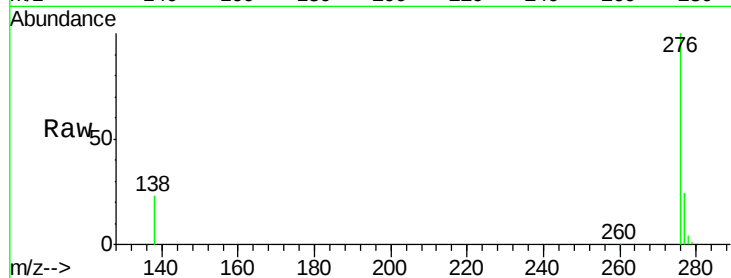




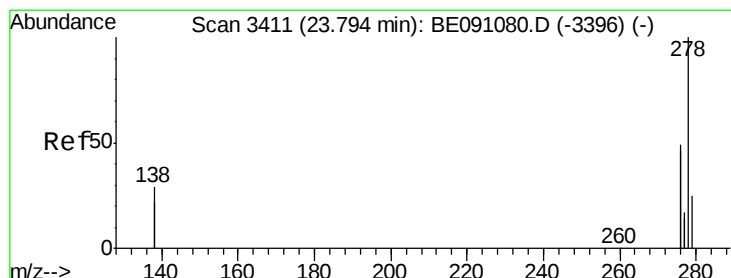
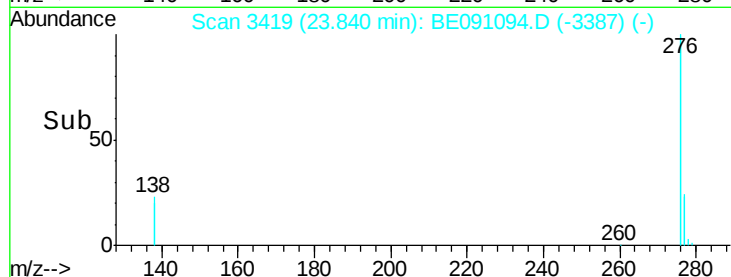
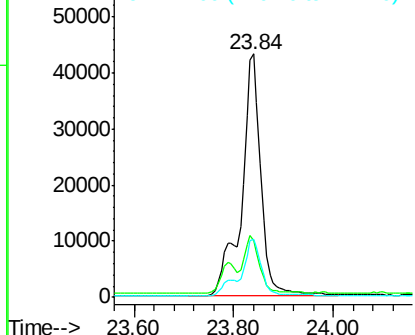
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.44 ng/ul
 RT: 23.84 min Scan# 3419
 Delta R.T. 0.01 min
 Lab File: BE091094.D
 Acq: 6 Nov 2015 17:12

Instrument :
 BNA_F
 ClientSampleId :
 SST0.489

Tgt Ion:276 Resp: 117353
 Ion Ratio Lower Upper
 276 100
 138 19.1 27.5 41.3#
 277 19.4 19.3 28.9

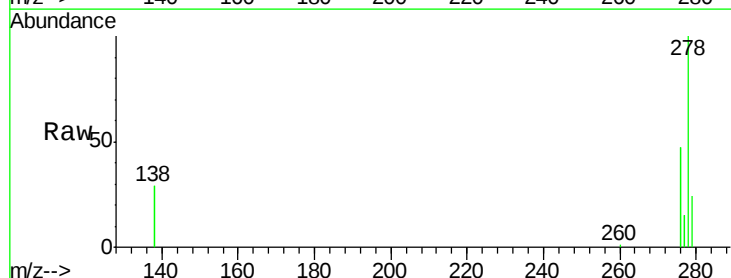


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

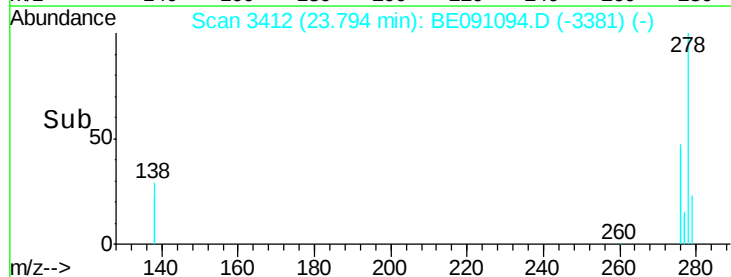
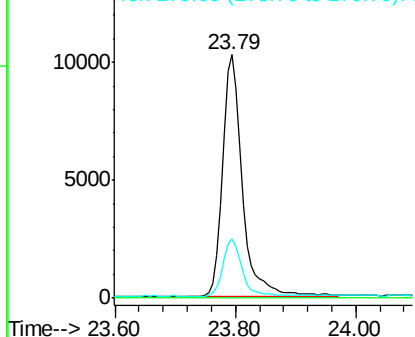


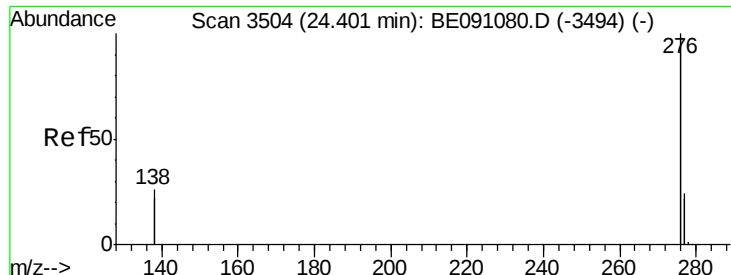
#27
 Dibenzo(a,h)anthracene
 Concen: 0.38 ng/ul
 RT: 23.79 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: BE091094.D
 Acq: 6 Nov 2015 17:12

Tgt Ion:278 Resp: 23960
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 24.1 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(g,h,i)perylene

Concen: 0.36 ng/ul

RT: 24.40 min Scan# 3505

Delta R.T. 0.00 min

Lab File: BE091094.D

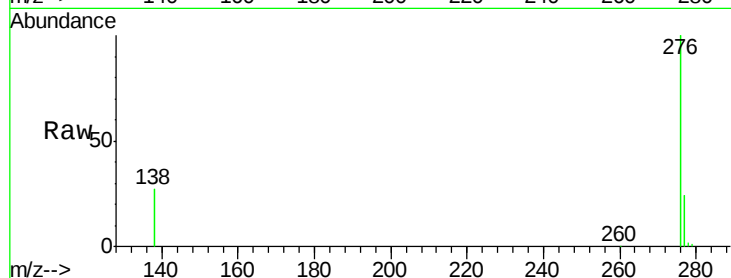
Acq: 6 Nov 2015 17:12

Instrument :

BNA_F

ClientSampleId :

SSTD0.489



Tgt Ion: 276 Resp: 101651

Ion Ratio Lower Upper

276 100

277 23.6 21.3 31.9

138 26.8 25.5 38.3

