

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091244.D
 Acq On : 19 Nov 2015 1:49
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.475

Quant Time: Nov 19 06:08:03 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 : Thu Nov 19 06:02:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	6786	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	36416	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	20813	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	51915	0.40	ng/ul	0.00
18) Chrysene-d12	20.22	240	57524	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	2852	0.40	ng/ul	-0.13

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.96	96	8370	1.71	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.05	152	20052	0.40	ng/ul	-0.02
16) Fluoranthene-d10	18.07	212	55646	0.38	ng/ul	0.00

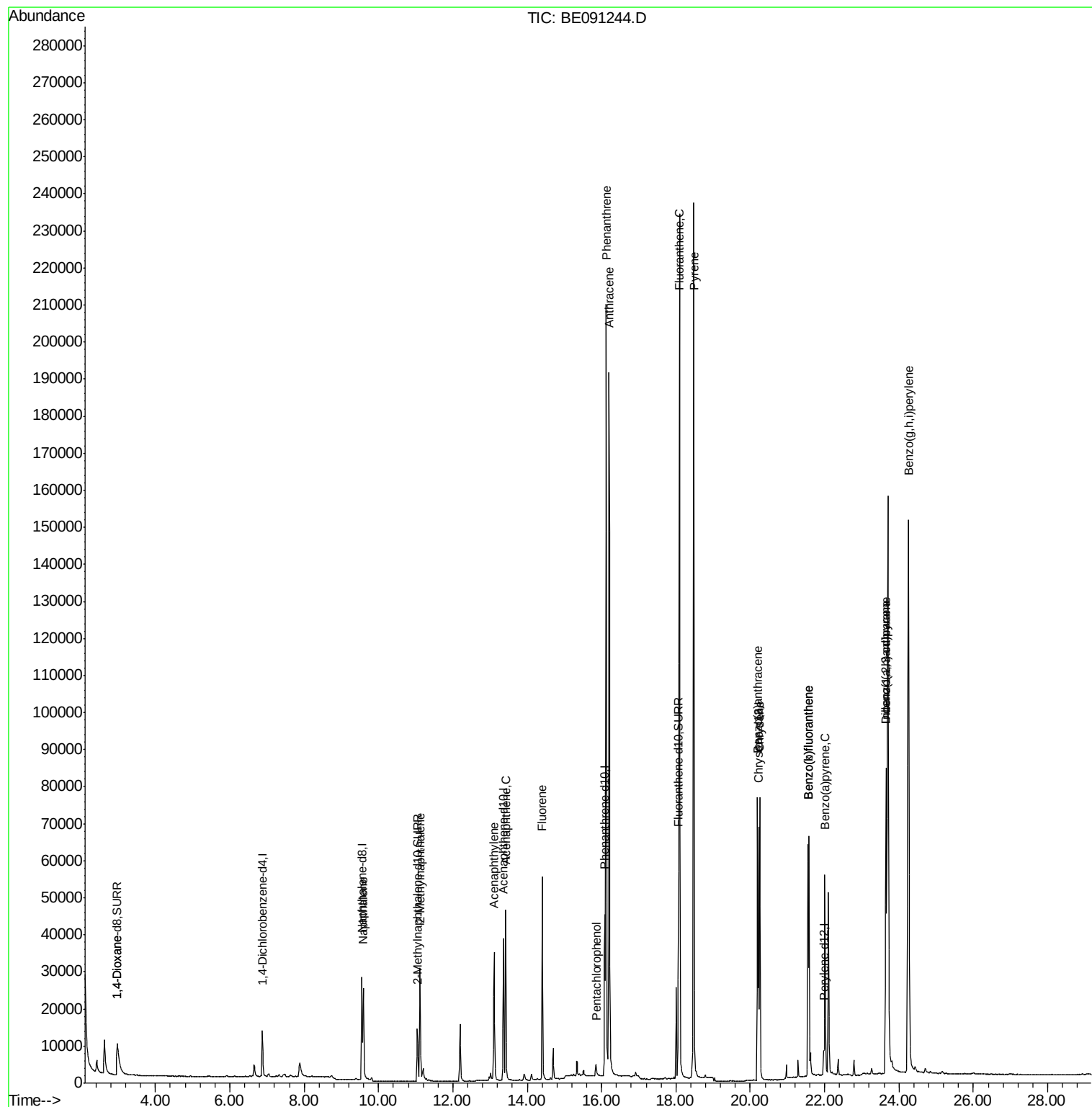
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.98	88	8970	1.63	ng/ul#	73
5) Naphthalene	9.59	128	35117	0.39	ng/ul	98
7) 2-Methylnaphthalene	11.12	142	23669	0.40	ng/ul	90
9) Acenaphthylene	13.11	152	40593	0.39	ng/ul	99
10) Acenaphthene	13.42	153	27793	0.39	ng/ul	90
11) Fluorene	14.41	166	34468	0.38	ng/ul	91
13) Pentachlorophenol	15.86	266	3502	0.71	ng/ul	96
14) Phenanthrene	16.12	178	232528	0.39	ng/ul	97
15) Anthracene	16.20	178	228019	0.42	ng/ul	98
17) Fluoranthene	18.10	202	270139	0.39	ng/ul	89
19) Pyrene	18.48	202	269359	0.41	ng/ul#	79
20) Benzo(a)anthracene	20.19	228	62729	0.42	ng/ul	99
21) Chrysene	20.26	228	65004	0.38	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	62036	6.97	ng/ul	94
24) Benzo(k)fluoranthene	21.55	252	62036	6.79	ng/ul	94
25) Benzo(a)pyrene	22.01	252	60403	7.36	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.65	276	52420	1.52	ng/ul#	71
27) Dibenzo(a,h)anthracene	23.66	278	56226	6.83	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	232505	6.42	ng/ul	93

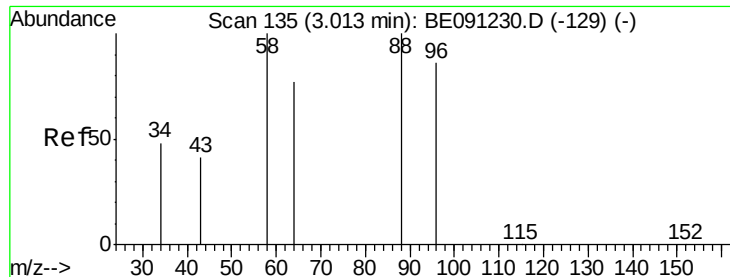
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.63 ng/ul

RT: 2.98 min Scan# 130

Delta R.T. -0.03 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

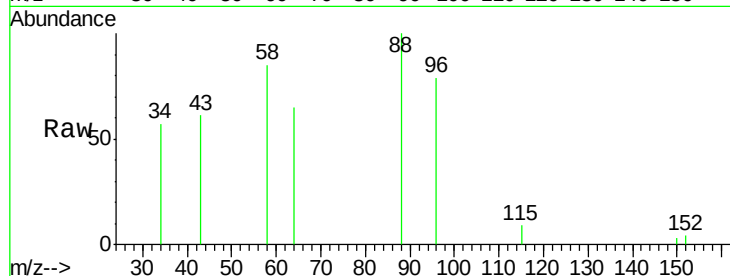
Tgt Ion: 88 Resp: 8970

Ion Ratio Lower Upper

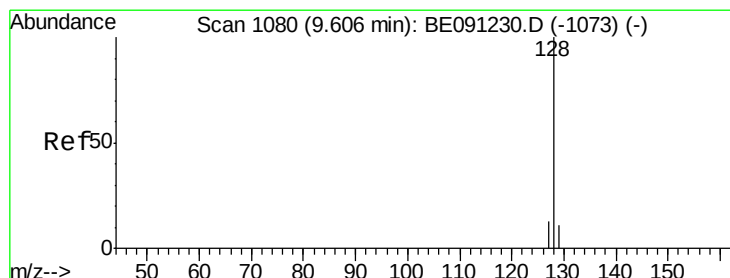
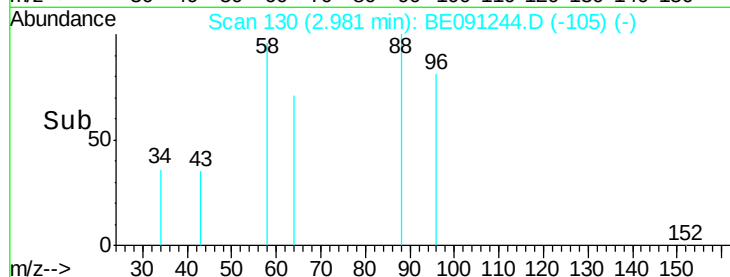
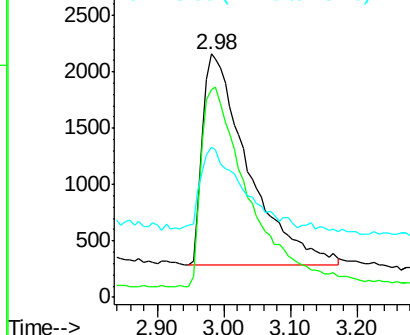
88 100

58 98.3 55.4 83.2#

43 34.8 24.2 36.2



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.39 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

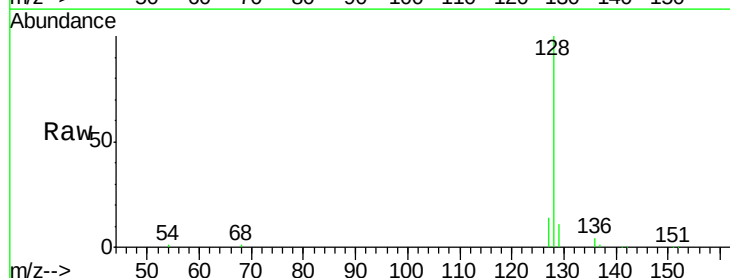
Tgt Ion: 128 Resp: 35117

Ion Ratio Lower Upper

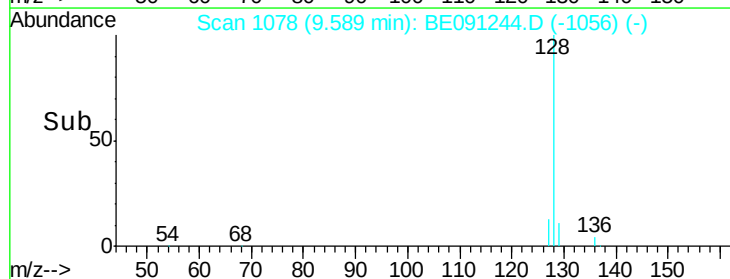
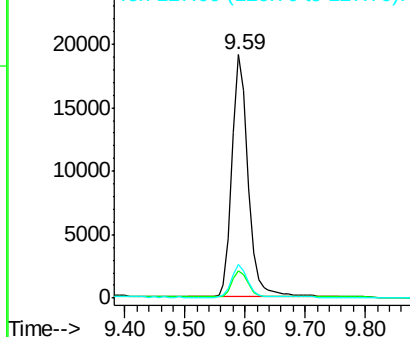
128 100

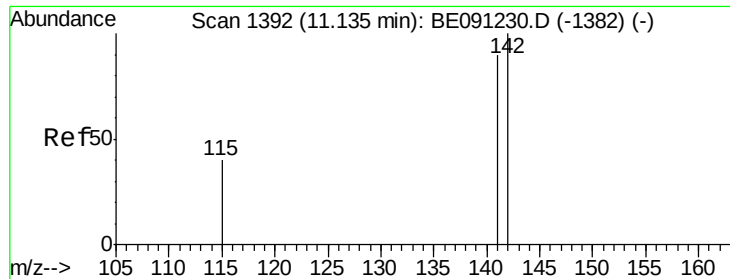
129 11.2 9.8 14.8

127 13.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 11.12 min Scan# 1388

Delta R.T. -0.02 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

Instrument :

BNA_E

ClientSampleId :

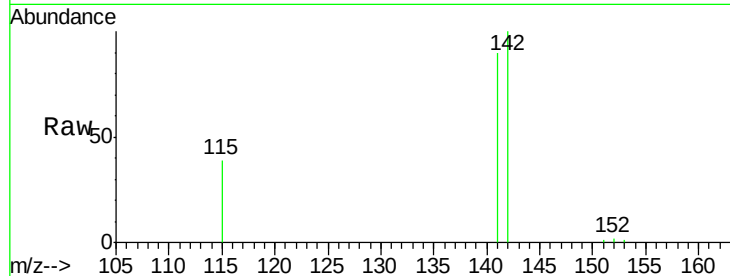
SSTD0.475

Tgt Ion:142 Resp: 23669

Ion Ratio Lower Upper

142 100

141 97.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.12

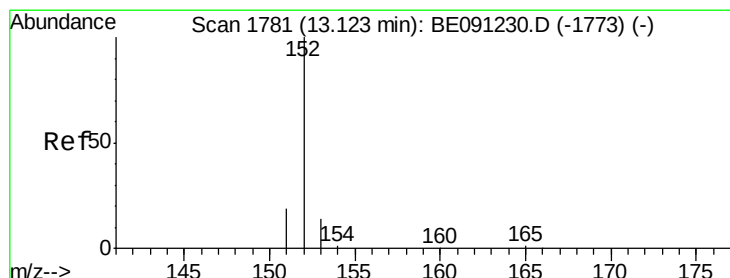
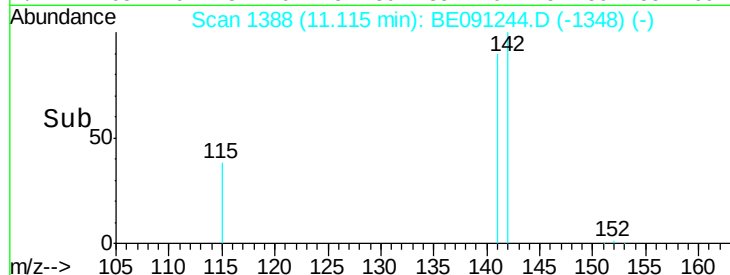
15000

10000

5000

0

Time--> 11.05 11.10 11.15



#9

Acenaphthylene

Concen: 0.39 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.02 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

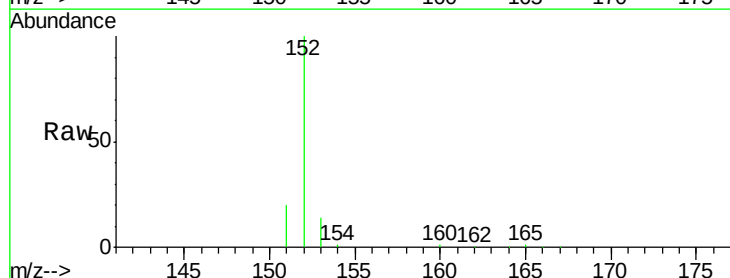
Tgt Ion:152 Resp: 40593

Ion Ratio Lower Upper

152 100

151 20.2 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

13.11

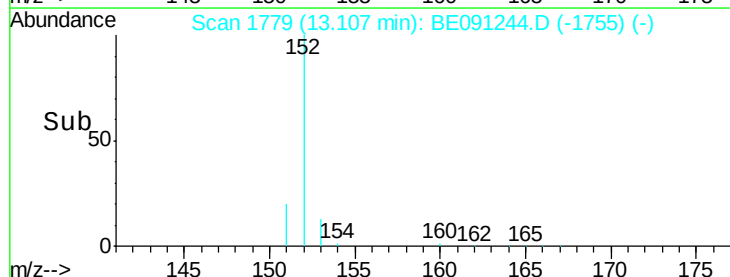
30000

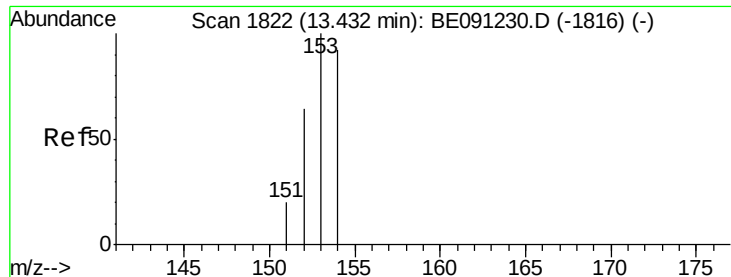
20000

10000

0

Time--> 13.00 13.20





#10

Acenaphthene

Concen: 0.39 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

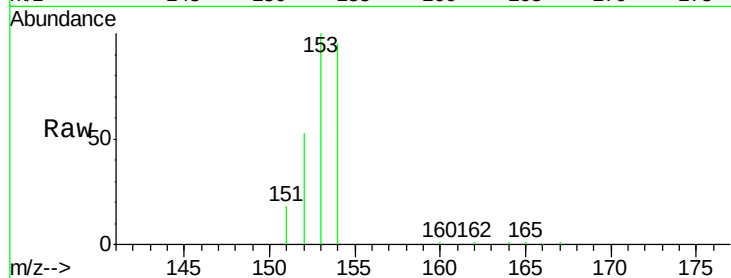
Tgt Ion:153 Resp: 27793

Ion Ratio Lower Upper

153 100

152 52.8 42.3 63.5

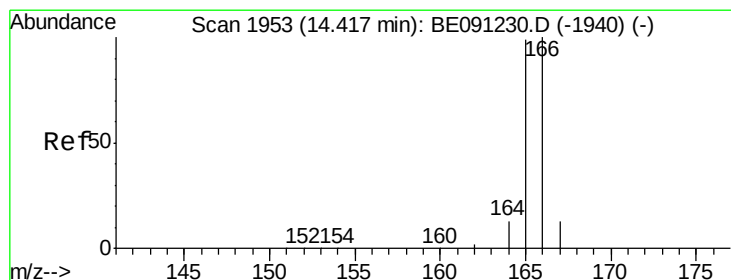
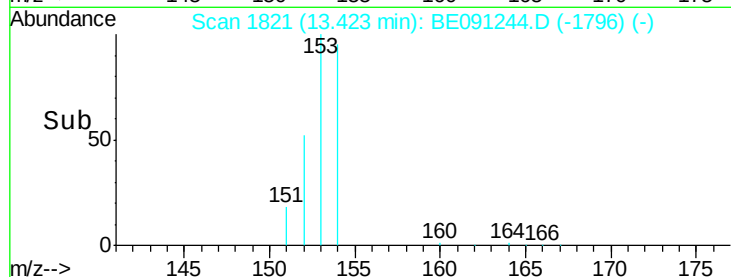
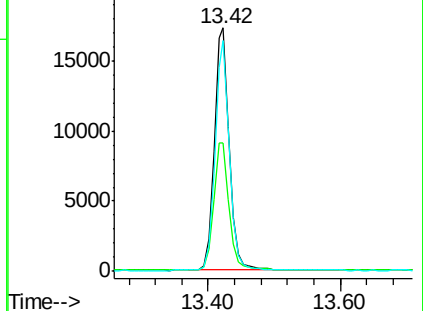
154 94.9 64.7 97.1



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: 0.38 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

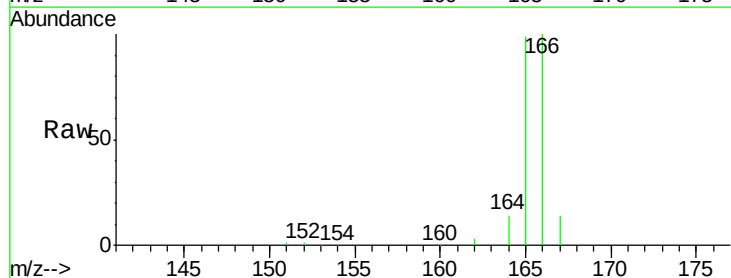
Tgt Ion:166 Resp: 34468

Ion Ratio Lower Upper

166 100

165 98.9 87.6 131.4

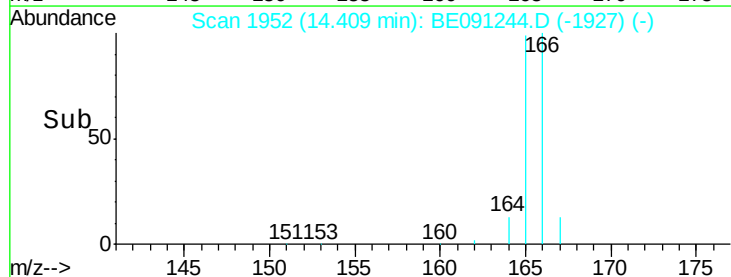
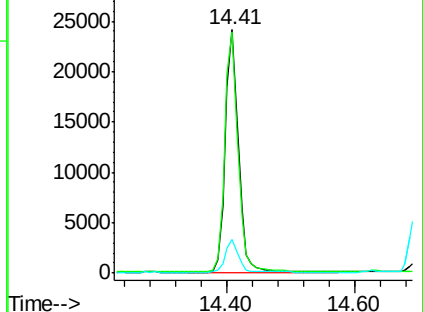
167 13.8 11.1 16.7

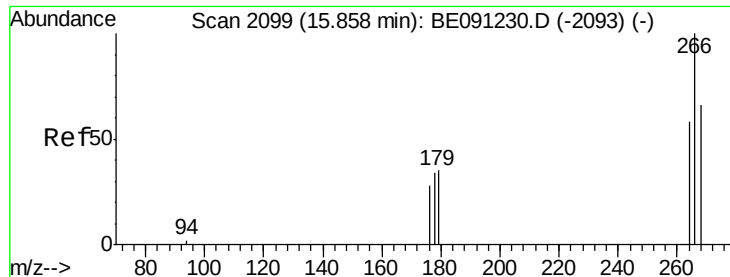


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

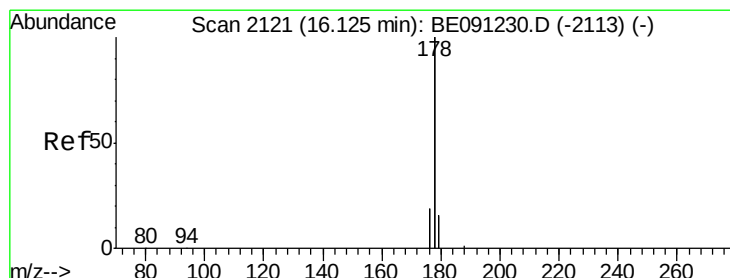
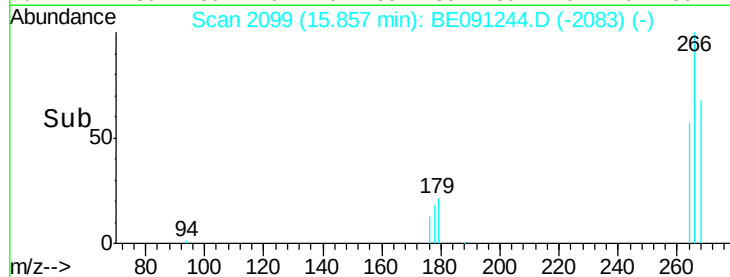
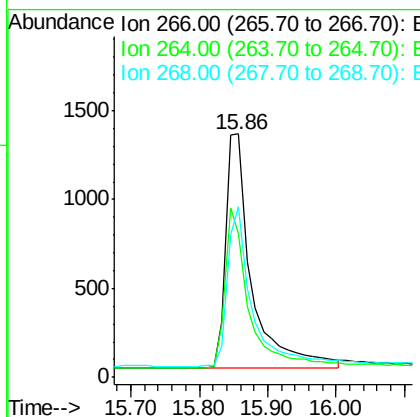
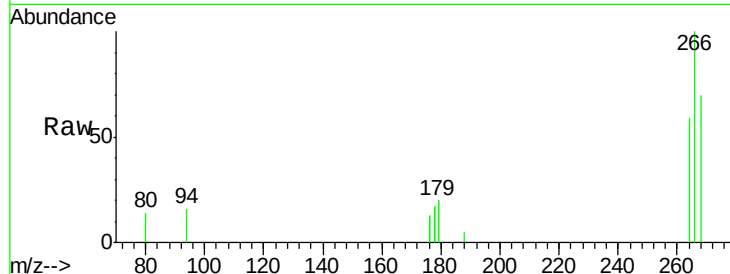




#13
 Pentachlorophenol
 Concen: 0.71 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: BE091244.D
 Acq: 19 Nov 2015 1:49

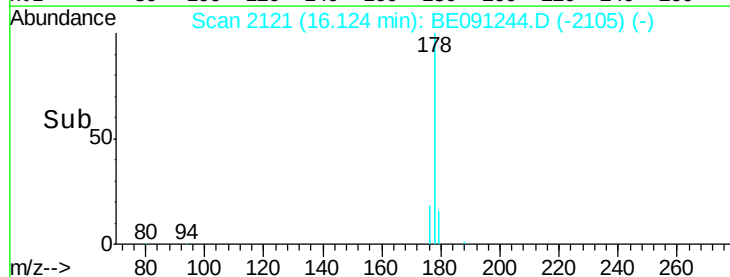
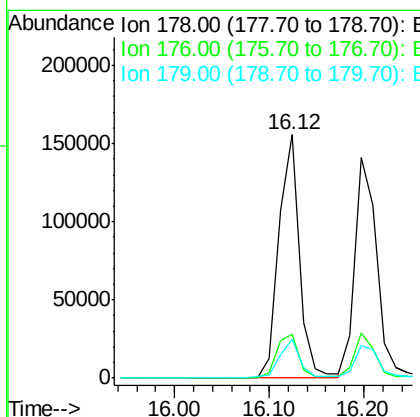
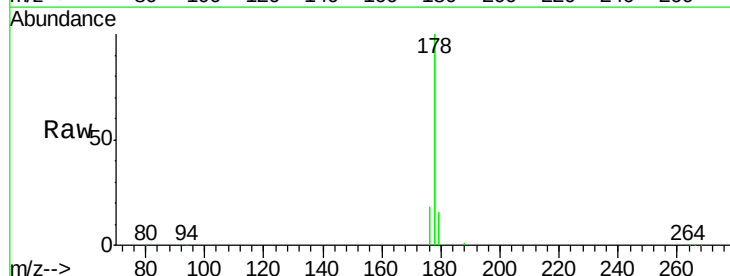
Instrument :
 BNA_E
 ClientSampleId :
 SST0.475

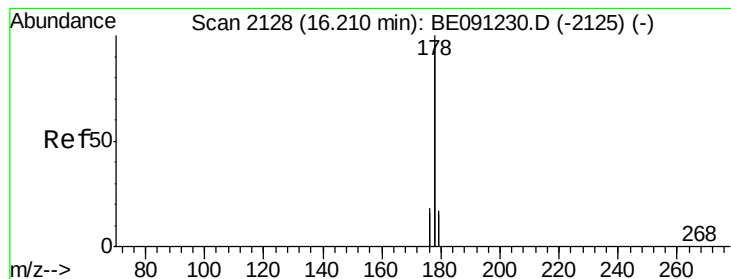
Tgt Ion: 266 Resp: 3502
 Ion Ratio Lower Upper
 266 100
 264 64.2 53.5 80.3
 268 64.4 54.2 81.2



#14
 Phenanthrene
 Concen: 0.39 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.00 min
 Lab File: BE091244.D
 Acq: 19 Nov 2015 1:49

Tgt Ion: 178 Resp: 232528
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.2 24.4
 179 15.9 12.8 19.2





#15

Anthracene

Concen: 0.42 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

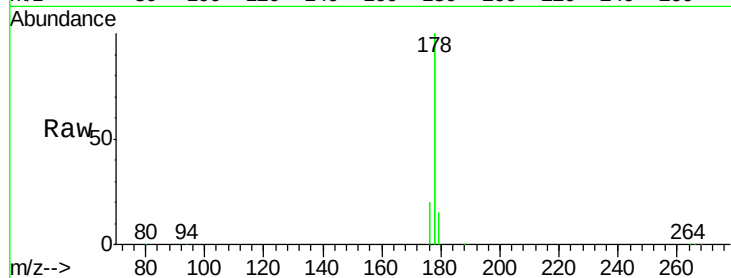
Tgt Ion:178 Resp: 228019

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

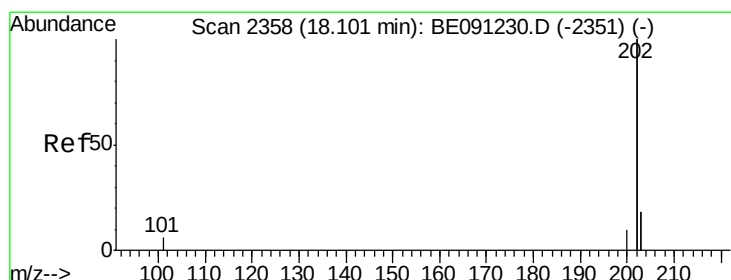
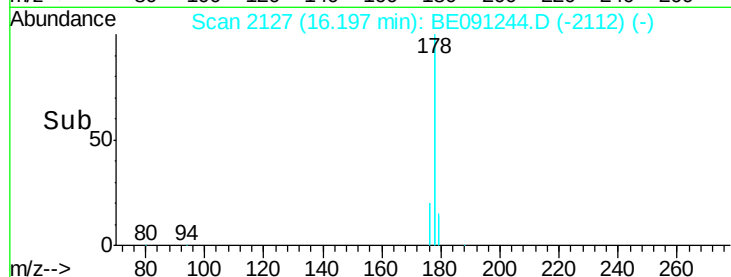
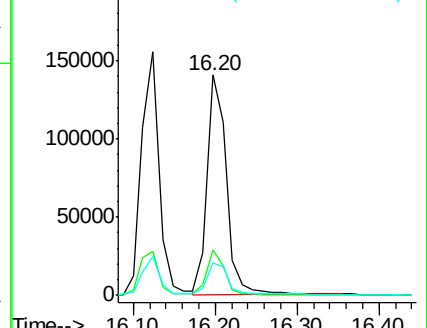
179 14.9 13.3 19.9



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: 0.39 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

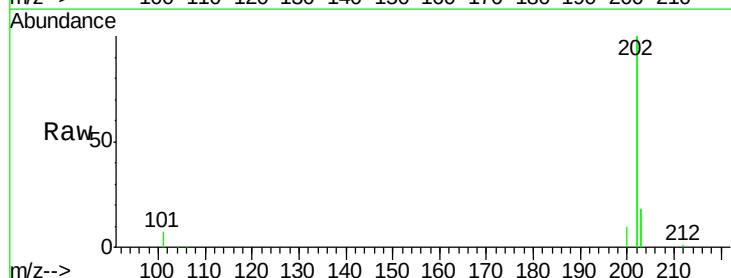
Tgt Ion:202 Resp: 270139

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

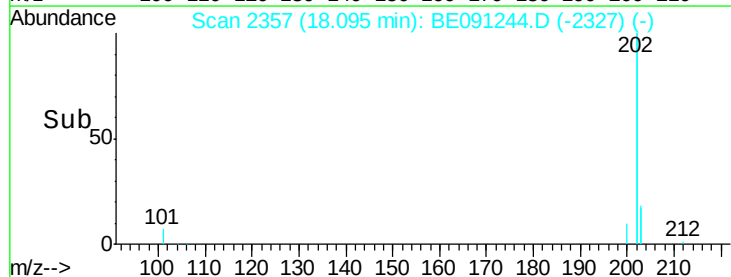
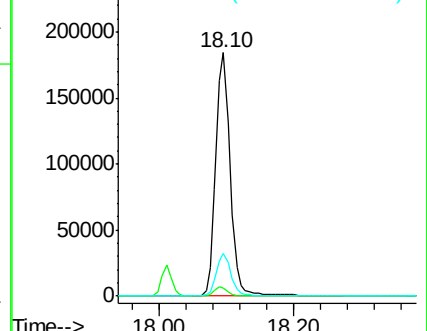
203 17.8 0.0 37.2

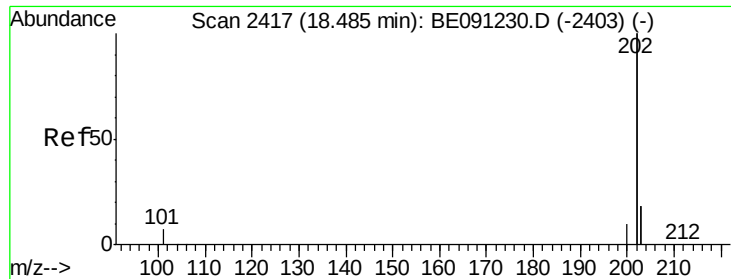


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

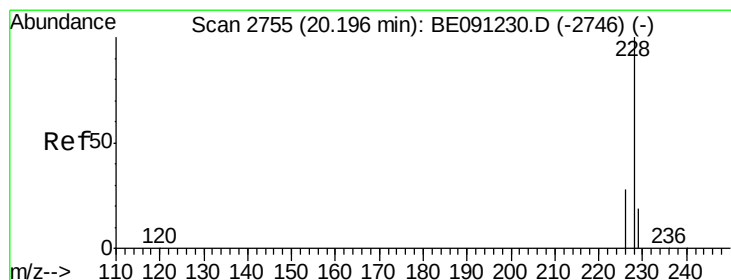
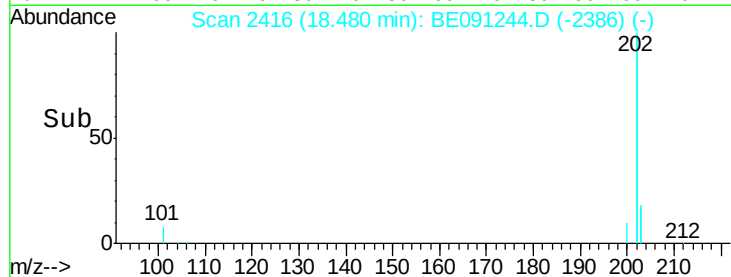
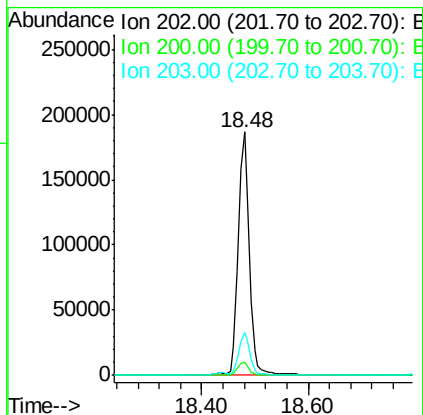
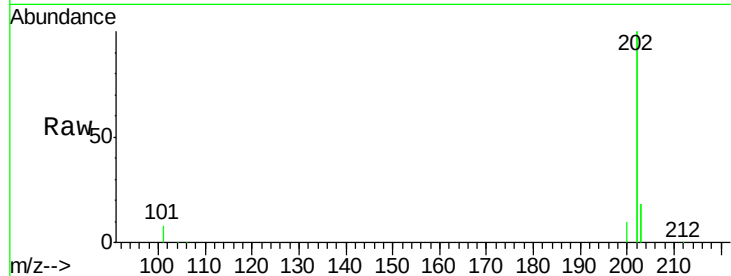




#19
 Pyrene
 Concen: 0.41 ng/ul
 RT: 18.48 min Scan# 2416
 Delta R.T. -0.01 min
 Lab File: BE091244.D
 Acq: 19 Nov 2015 1:49

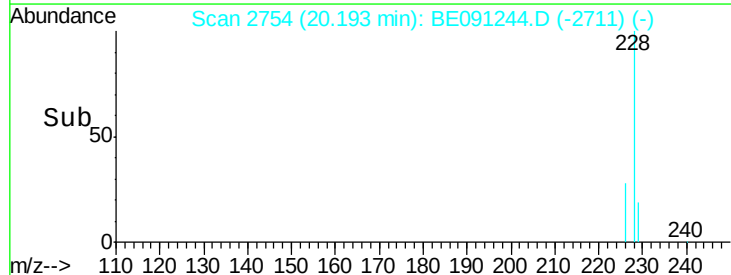
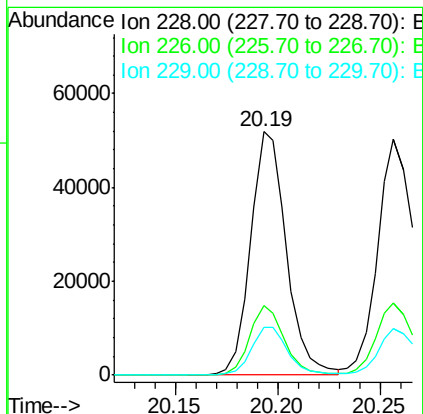
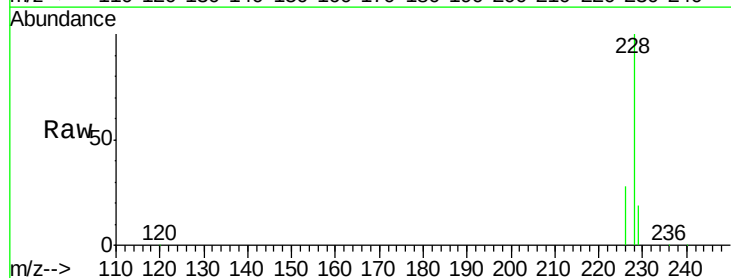
Instrument :
 BNA_E
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 SST0.475

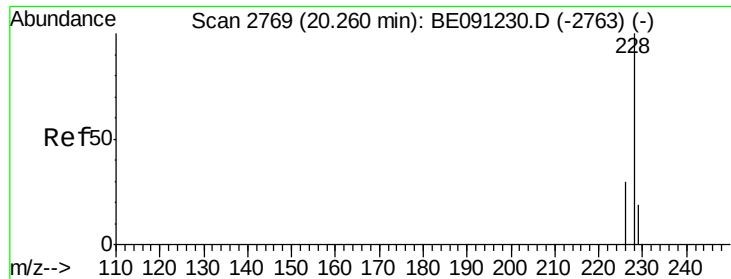
Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.2	18.0	27.0#
203	17.7	13.8	20.6



#20
 Benzo(a)anthracene
 Concen: 0.42 ng/ul
 RT: 20.19 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BE091244.D
 Acq: 19 Nov 2015 1:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.0	34.4
229	19.4	15.2	22.8





#21

Chrysene

Concen: 0.38 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

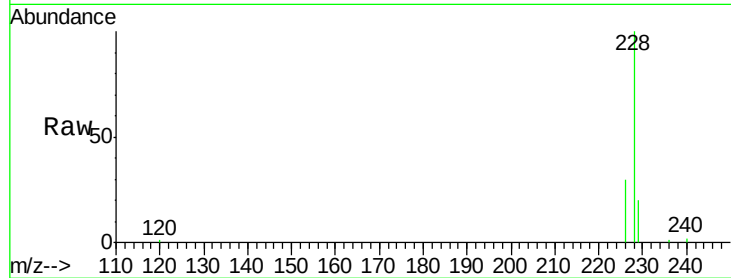
Tgt Ion:228 Resp: 65004

Ion Ratio Lower Upper

228 100

226 30.5 25.7 38.5

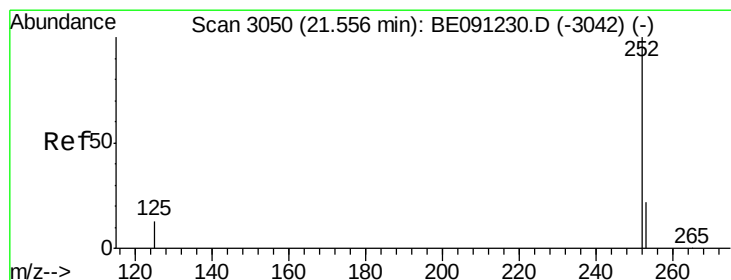
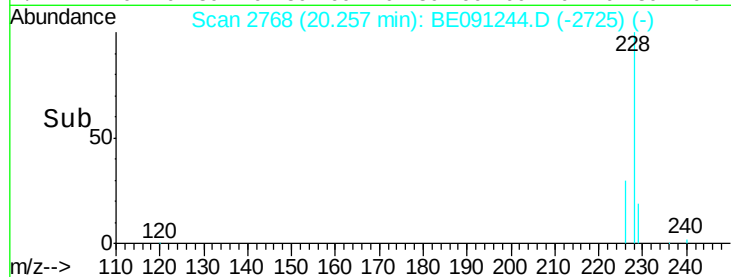
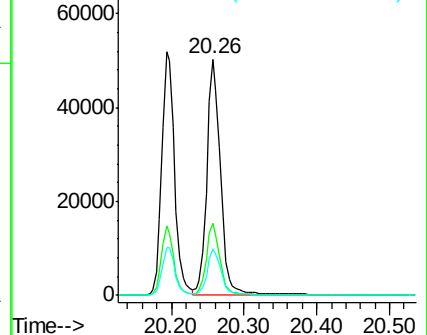
229 19.6 15.2 22.8



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: 6.97 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

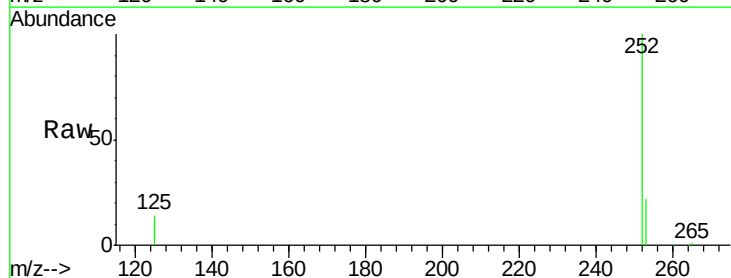
Tgt Ion:252 Resp: 62036

Ion Ratio Lower Upper

252 100

253 22.3 0.0 48.0

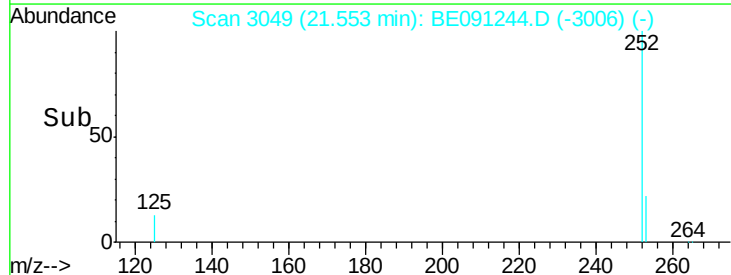
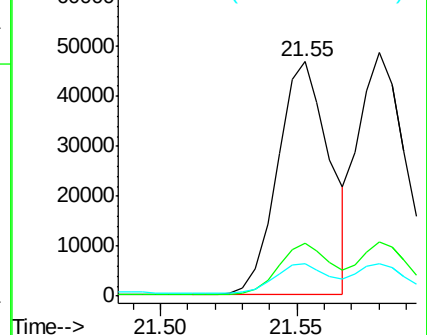
125 13.8 0.0 36.6

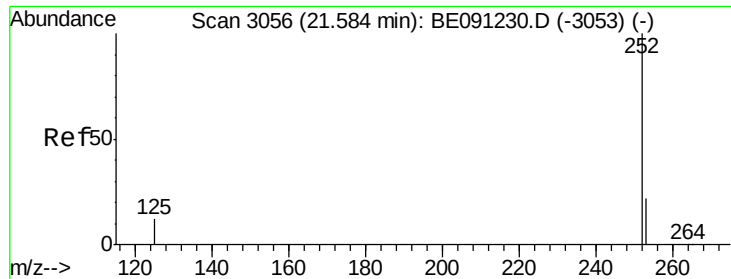


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 6.79 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.03 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

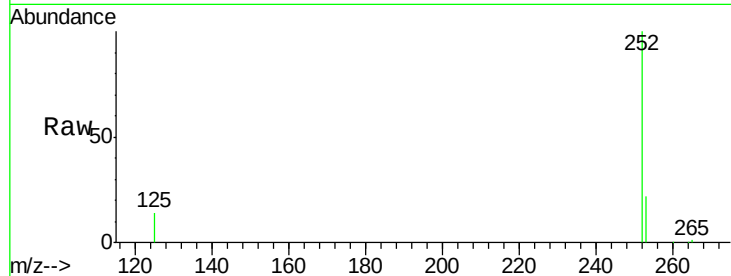
Tgt Ion:252 Resp: 62036

Ion Ratio Lower Upper

252 100

253 22.3 20.8 31.2

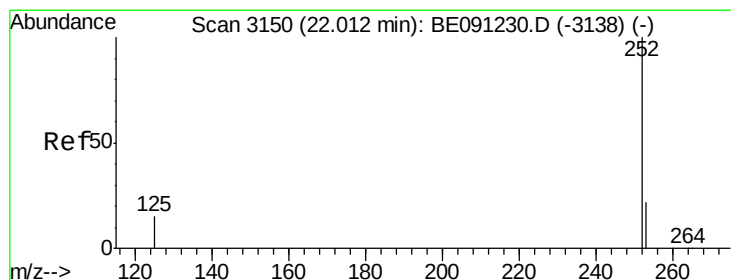
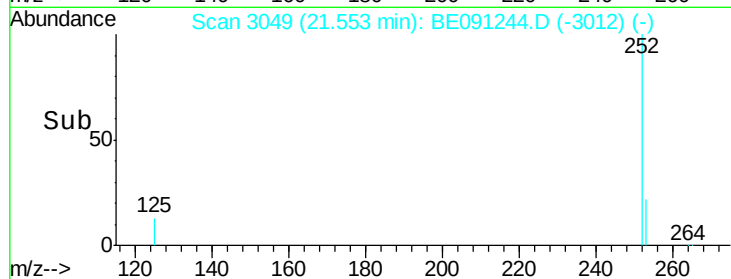
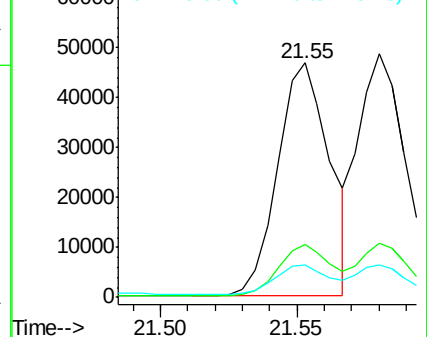
125 13.8 12.2 18.4



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: 7.36 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

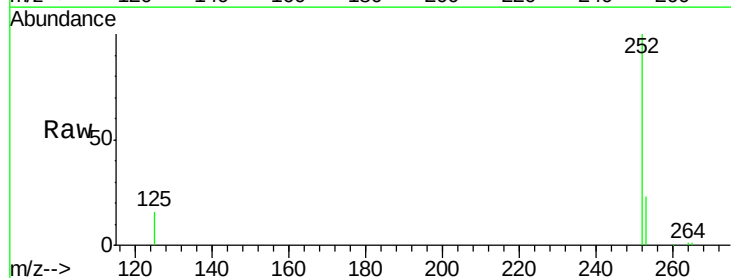
Tgt Ion:252 Resp: 60403

Ion Ratio Lower Upper

252 100

253 22.5 21.8 32.8

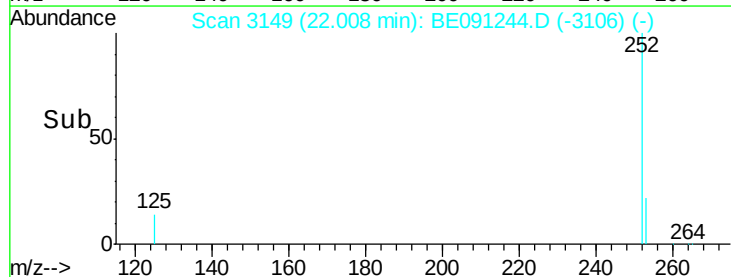
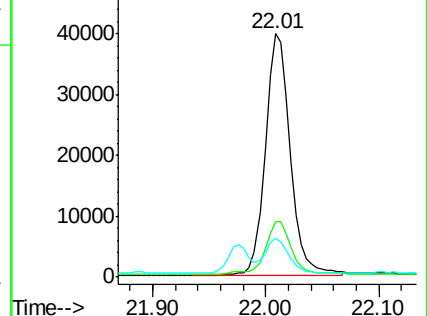
125 15.9 14.5 21.7

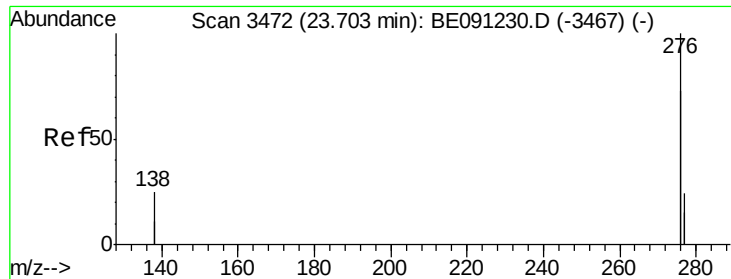


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.52 ng/ul

RT: 23.65 min Scan# 3463

Delta R.T. -0.05 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

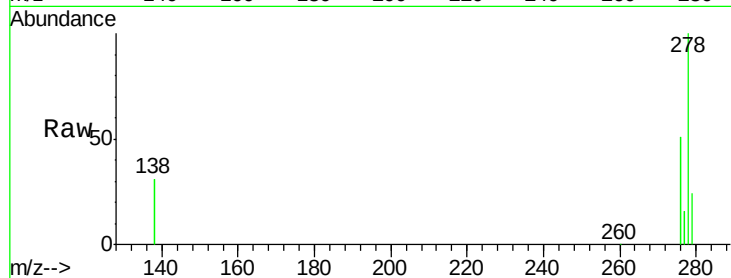
Tgt Ion:276 Resp: 52420

Ion Ratio Lower Upper

276 100

138 58.1 27.5 41.3#

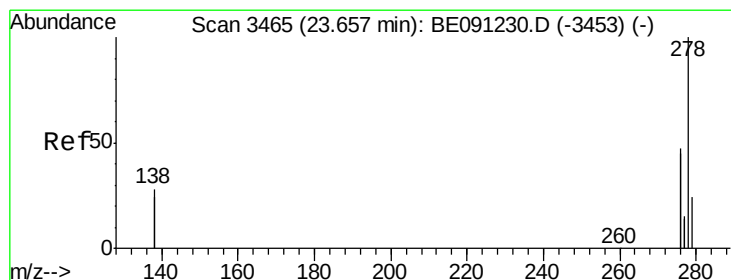
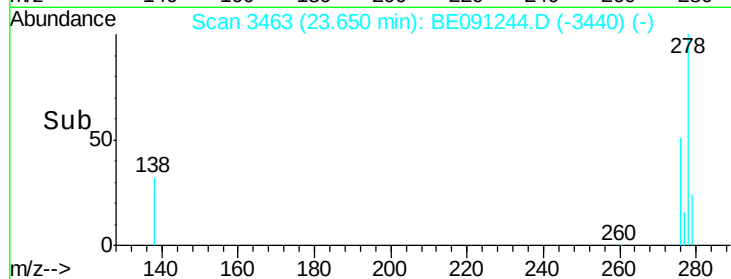
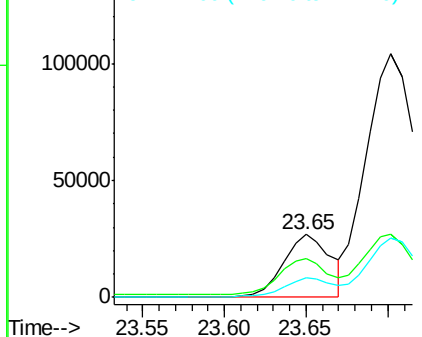
277 29.8 19.3 28.9#



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: 6.83 ng/ul

RT: 23.66 min Scan# 3464

Delta R.T. -0.00 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

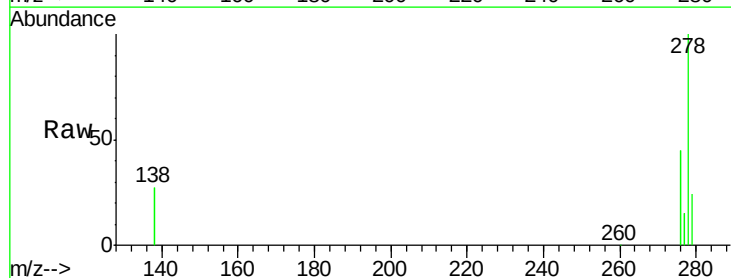
Tgt Ion:278 Resp: 56226

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

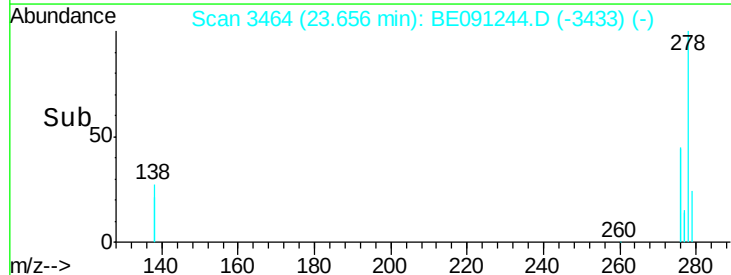
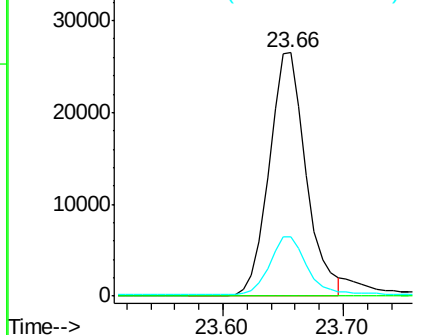
279 24.5 21.9 32.9

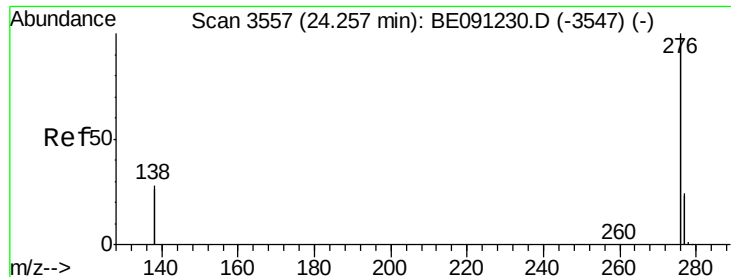


Abundance Ion 278.00 (277.70 to 278.70): E

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: 6.42 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.00 min

Lab File: BE091244.D

Acq: 19 Nov 2015 1:49

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

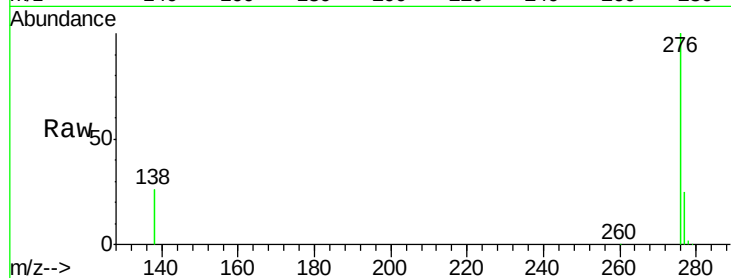
Tgt Ion: 276 Resp: 232505

Ion Ratio Lower Upper

276 100

277 24.7 21.3 31.9

138 26.2 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

