

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091230.D
 Acq On : 18 Nov 2015 16:31
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.474

Quant Time: Nov 19 04:30:18 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 04:25:56 2015
 Response via : Initial Calibration

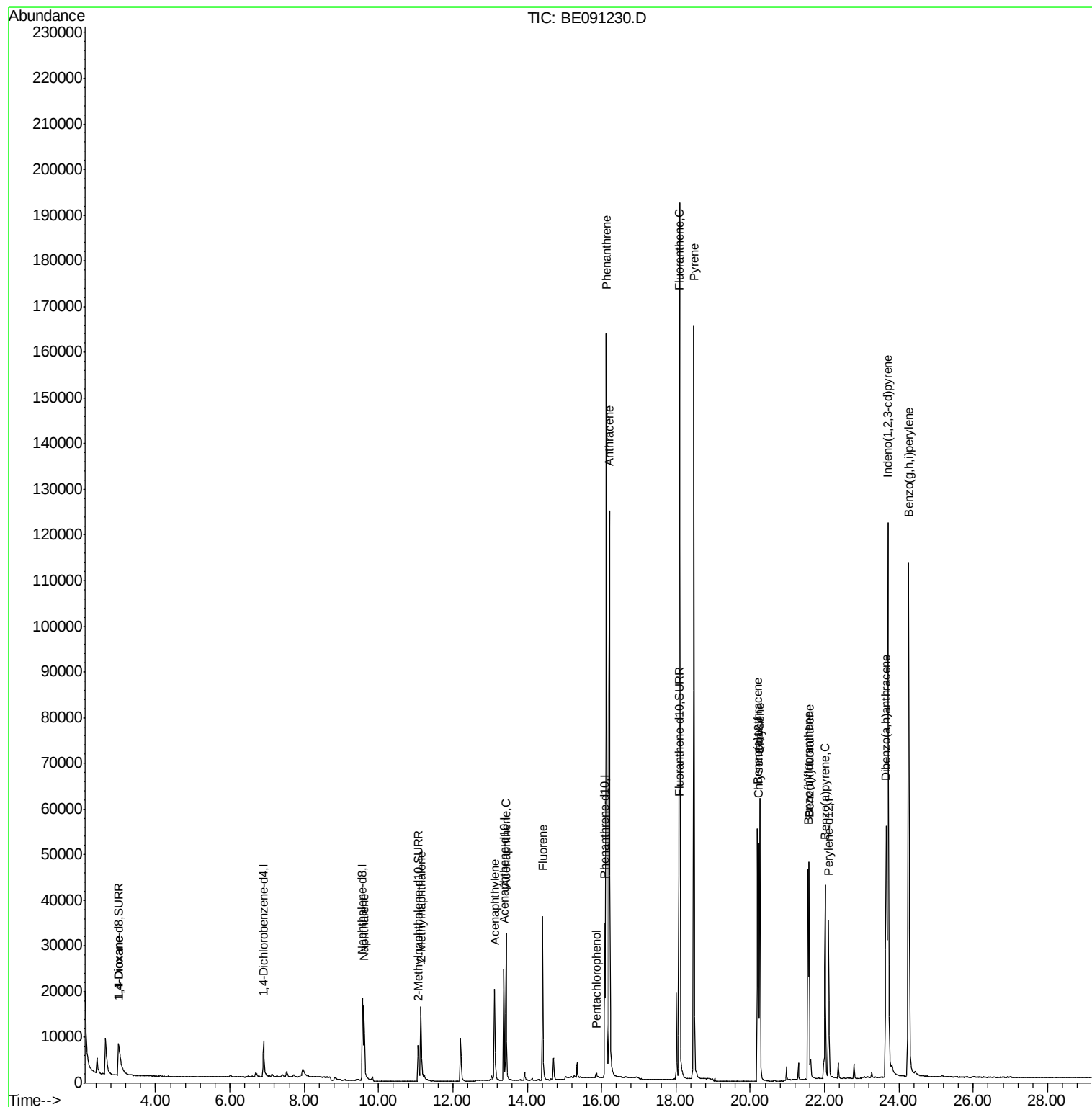
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	5556	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	27350	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	12988	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	37633	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	44578	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	36744	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.99	96	6737	1.69	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.07	152	12630	0.34	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	46955	0.44	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.01	88	7645	1.69	ng/ul#	65
5) Naphthalene	9.61	128	25809	0.38	ng/ul	98
7) 2-Methylnaphthalene	11.13	142	15048	0.34	ng/ul	88
9) Acenaphthylene	13.12	152	25569	0.39	ng/ul	98
10) Acenaphthene	13.43	153	18718	0.42	ng/ul#	86
11) Fluorene	14.42	166	24926	0.44	ng/ul	91
13) Pentachlorophenol	15.86	266	1105	0.31	ng/ul	95
14) Phenanthrene	16.13	178	173318	0.40	ng/ul	98
15) Anthracene	16.21	178	155556	0.39	ng/ul	97
17) Fluoranthene	18.10	202	222073	0.44	ng/ul	88
19) Pyrene	18.49	202	188997	0.37	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	45037	0.39	ng/ul	99
21) Chrysene	20.26	228	53174	0.40	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	47392	0.41	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	45661	0.39	ng/ul	94
25) Benzo(a)pyrene	22.01	252	45733	0.43	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.70	276	170576	0.38	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.66	278	41714	0.39	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	176598	0.38	ng/ul	94

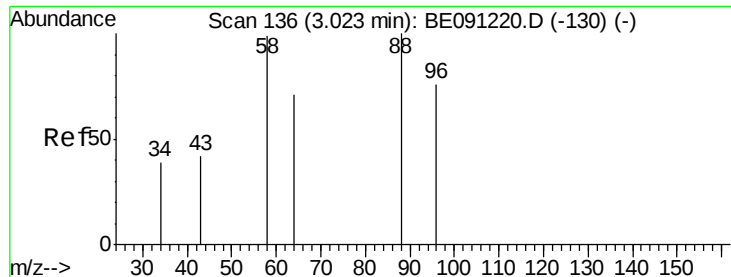
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

1,4-Dioxane

Concen: 1.69 ng/ul

RT: 3.01 min Scan# 135

Delta R.T. -0.01 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

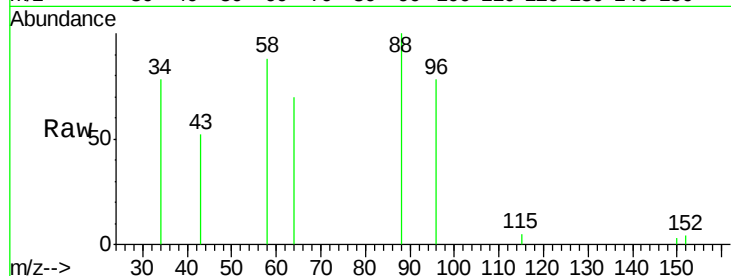
Tgt Ion: 88 Resp: 7645

Ion Ratio Lower Upper

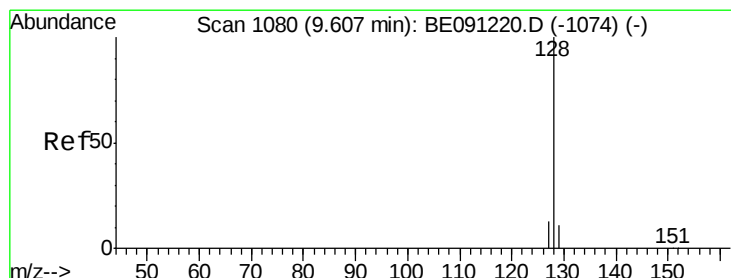
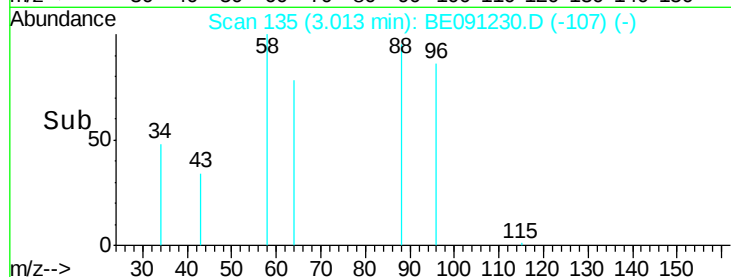
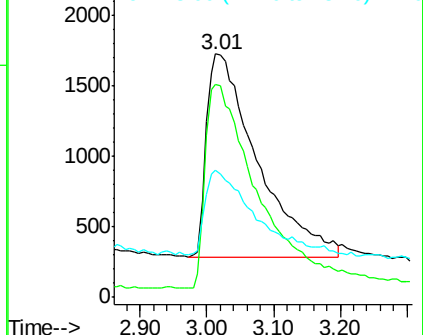
88 100

58 103.8 55.4 83.2#

43 39.8 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: 0.38 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

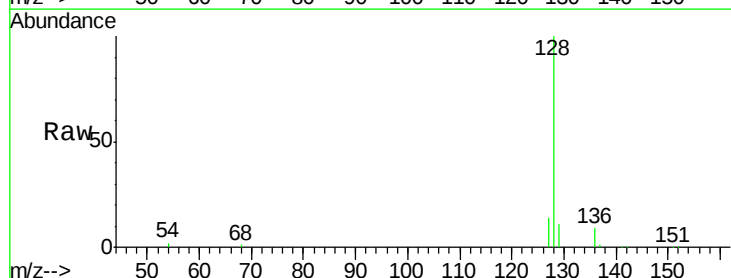
Tgt Ion: 128 Resp: 25809

Ion Ratio Lower Upper

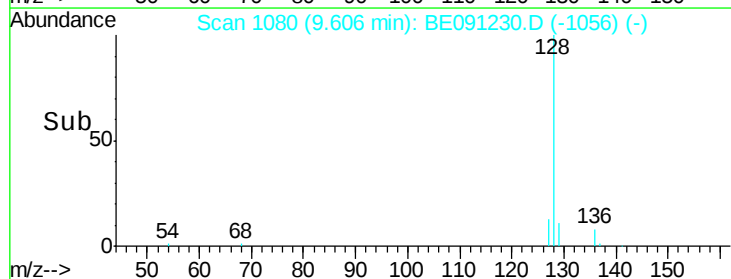
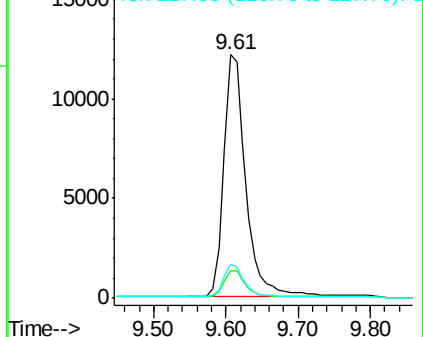
128 100

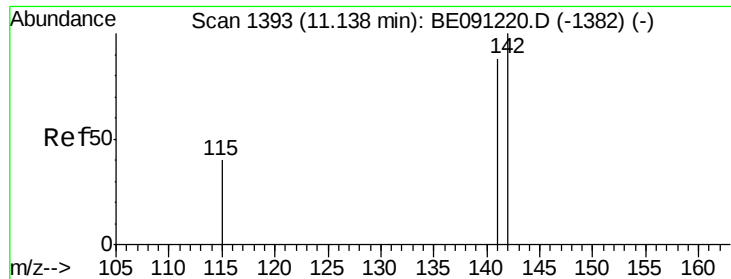
129 11.0 9.8 14.8

127 13.7 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: 0.34 ng/ul

RT: 11.13 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

Instrument :

BNA_E

ClientSampleId :

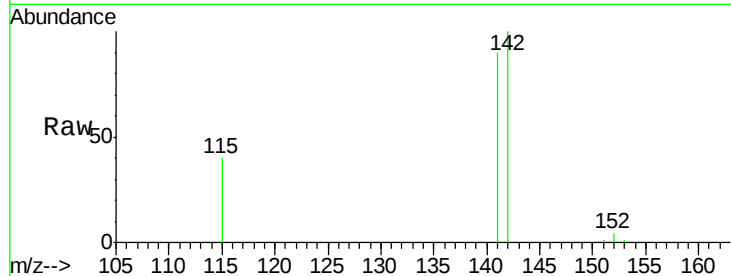
SSTD0.474

Tgt Ion:142 Resp: 15048

Ion Ratio Lower Upper

142 100

141 99.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.13

8000

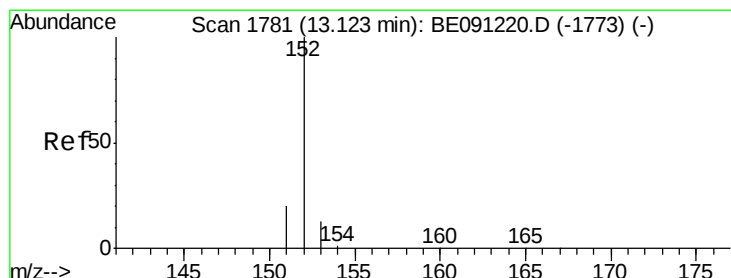
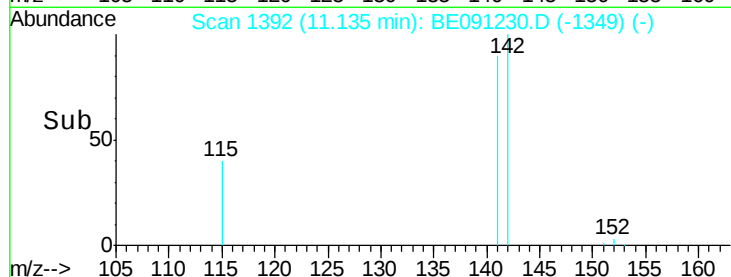
6000

4000

2000

0

Time--> 11.05 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 0.39 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

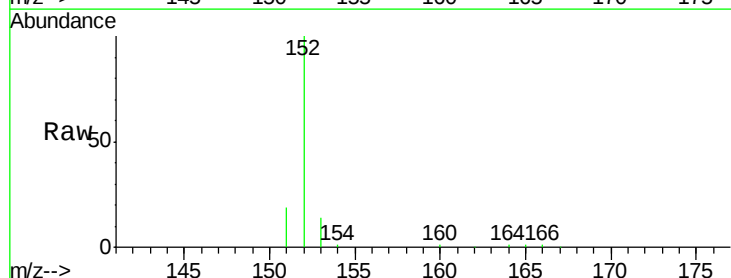
Tgt Ion:152 Resp: 25569

Ion Ratio Lower Upper

152 100

151 19.5 16.8 25.2

153 13.9 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

13.12

20000

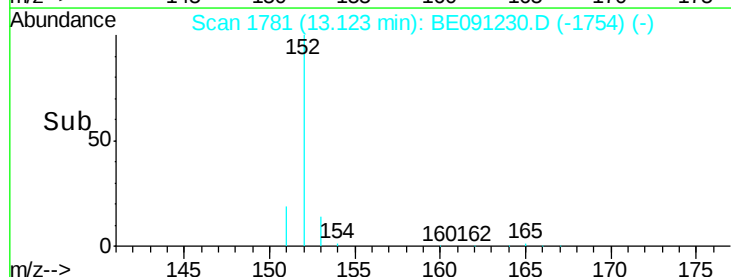
15000

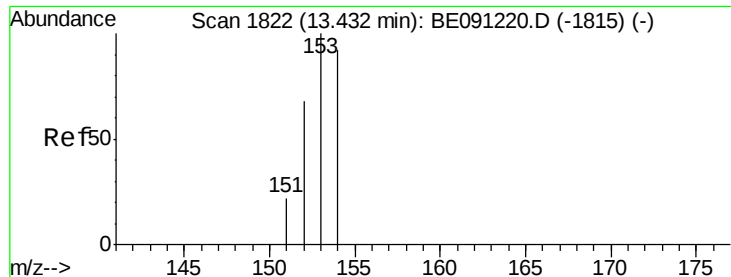
10000

5000

0

Time--> 13.00 13.20





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

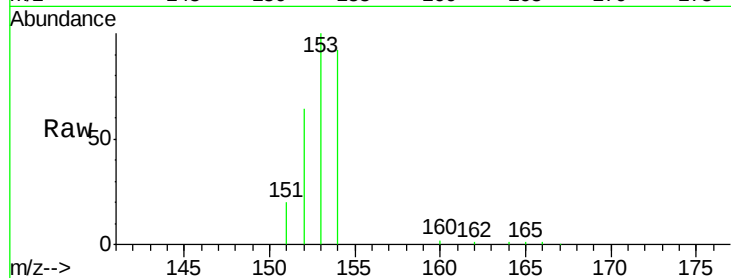
Tgt Ion:153 Resp: 18718

Ion Ratio Lower Upper

153 100

152 64.1 42.3 63.5#

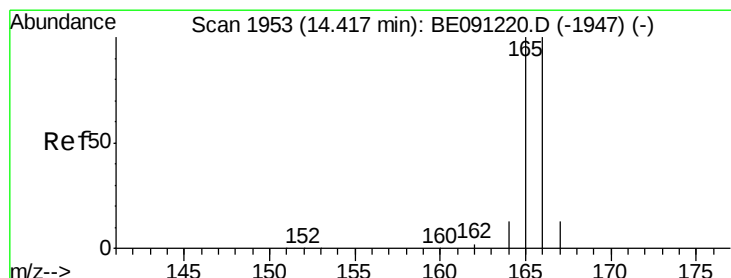
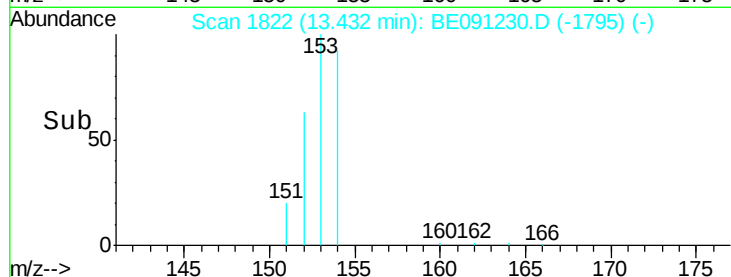
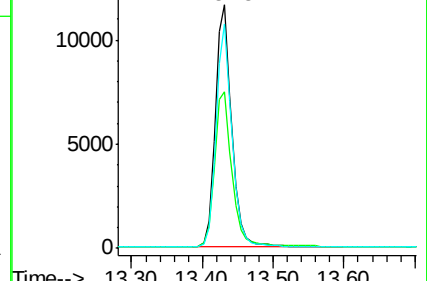
154 92.1 64.7 97.1



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# 1953

Delta R.T. 0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

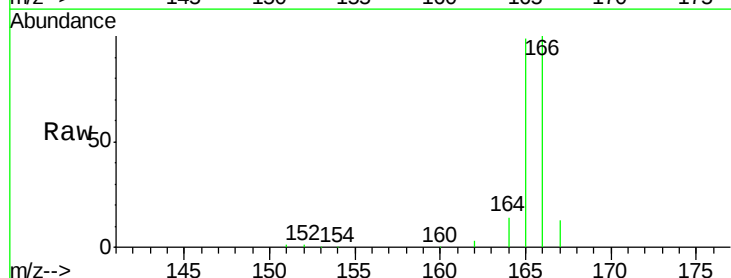
Tgt Ion:166 Resp: 24926

Ion Ratio Lower Upper

166 100

165 98.8 87.6 131.4

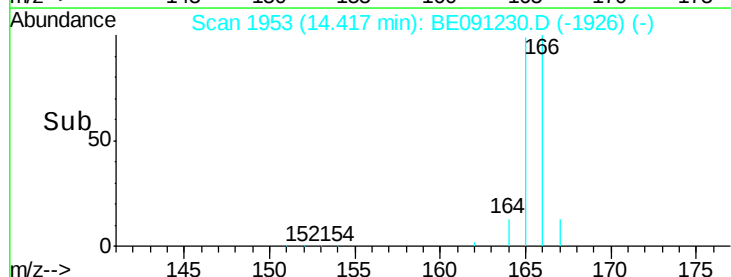
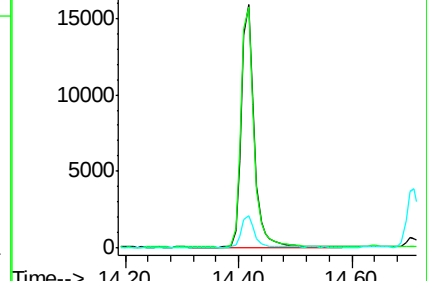
167 13.3 11.1 16.7

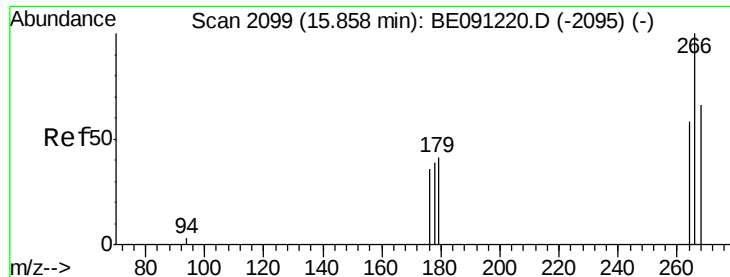


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

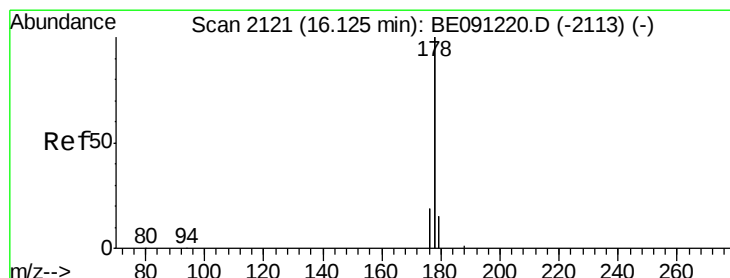
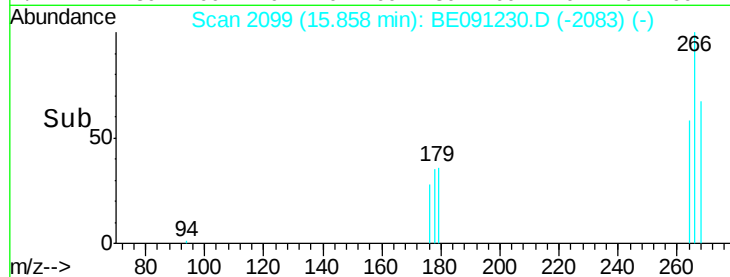
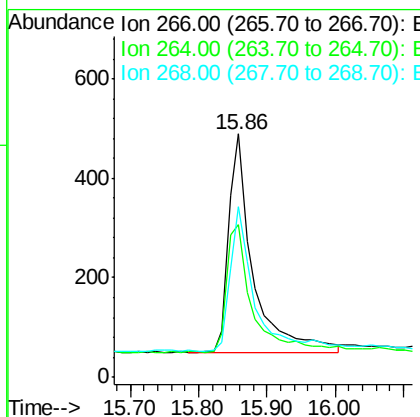
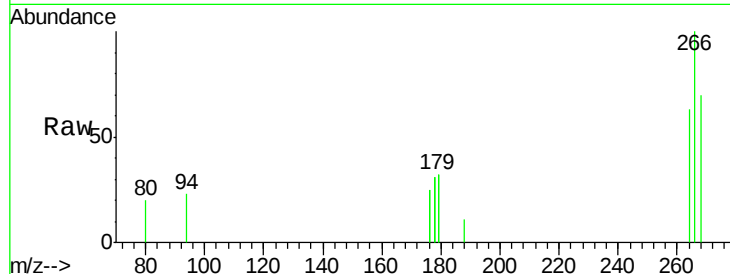




#13
 Pentachlorophenol
 Concen: 0.31 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BE091230.D
 Acq: 18 Nov 2015 16:31

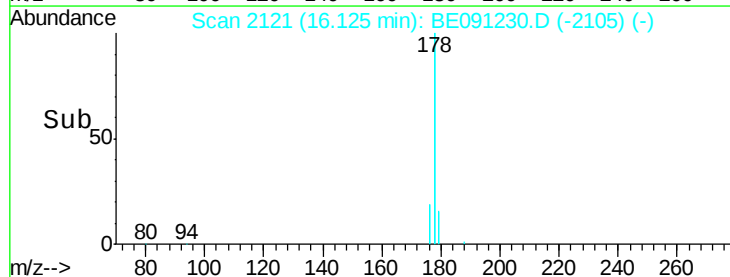
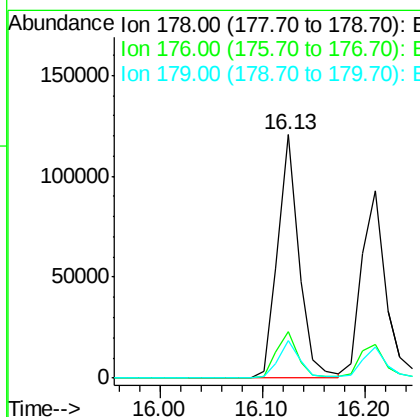
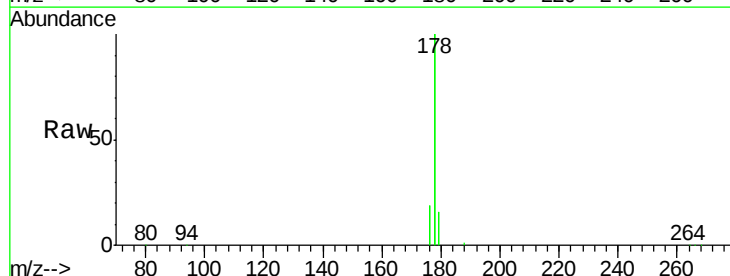
Instrument :
 BNA_E
 ClientSampleId :
 SST0.474

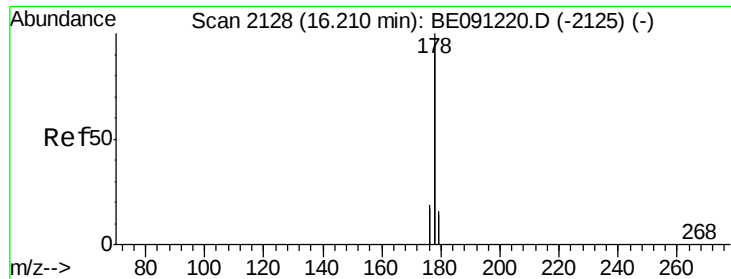
Tgt Ion: 266 Resp: 1105
 Ion Ratio Lower Upper
 266 100
 264 61.5 53.5 80.3
 268 64.7 54.2 81.2



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 16.13 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091230.D
 Acq: 18 Nov 2015 16:31

Tgt Ion: 178 Resp: 173318
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 15.6 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: BE091230.D

Acq: 18 Nov 2015 16:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

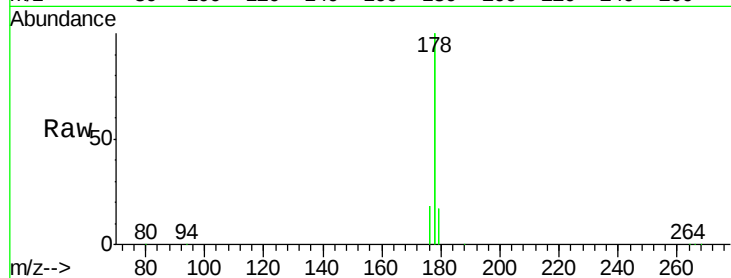
Tgt Ion:178 Resp: 155556

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

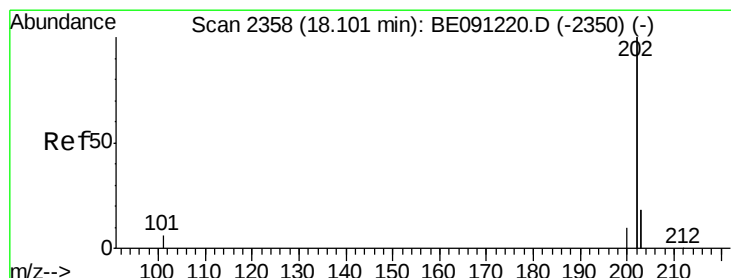
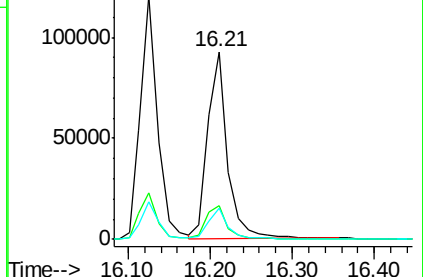
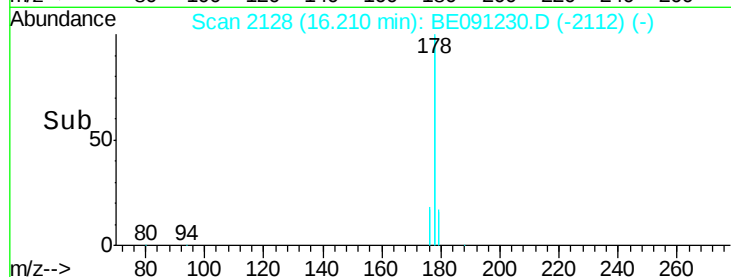
179 16.6 13.3 19.9



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: 0.44 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

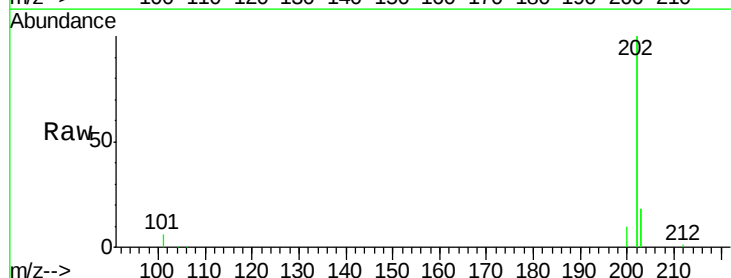
Tgt Ion:202 Resp: 222073

Ion Ratio Lower Upper

202 100

101 3.2 0.0 33.1

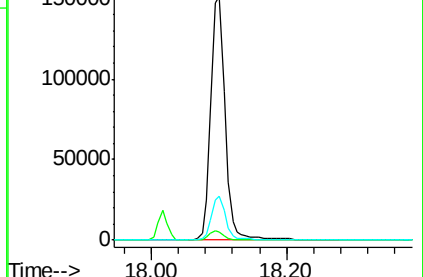
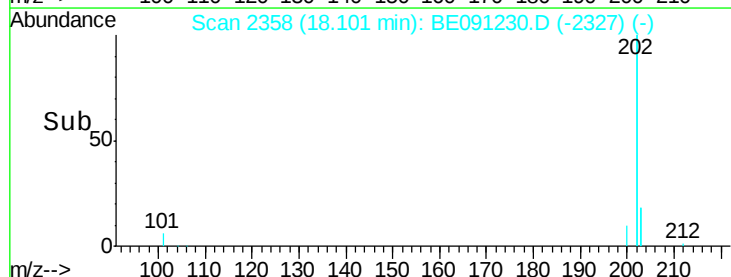
203 18.3 0.0 37.2

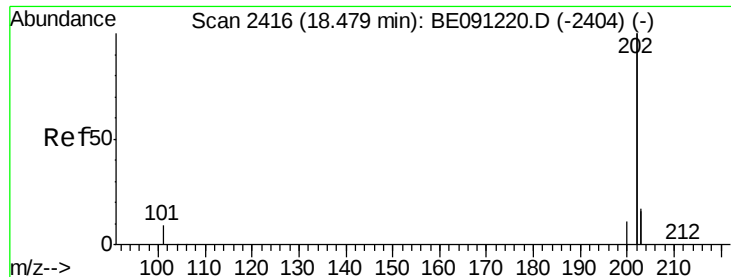


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.37 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. 0.01 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

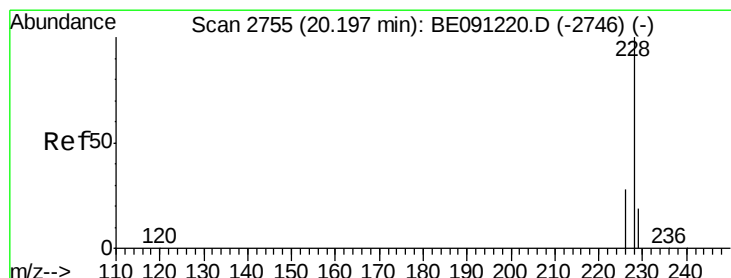
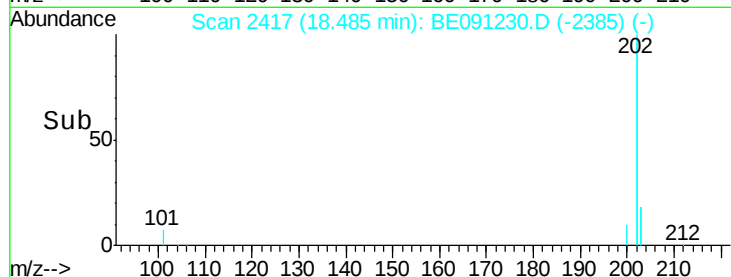
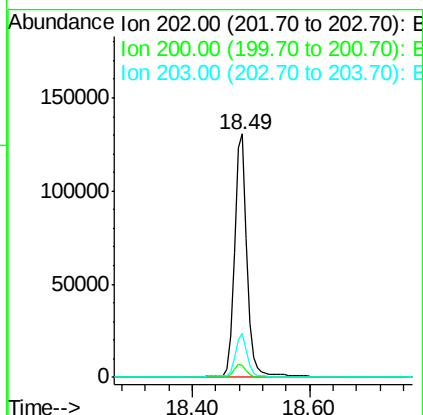
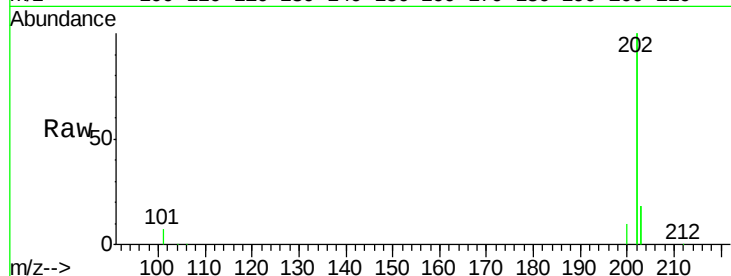
Tgt Ion:202 Resp: 188997

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

203 18.1 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

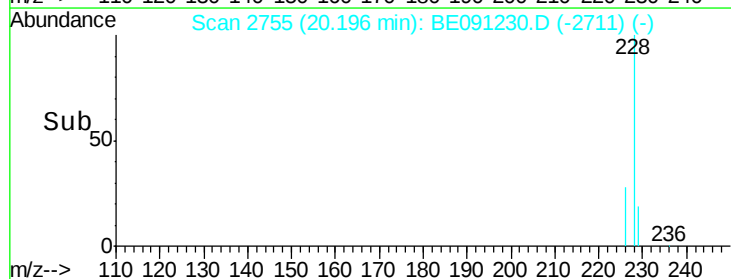
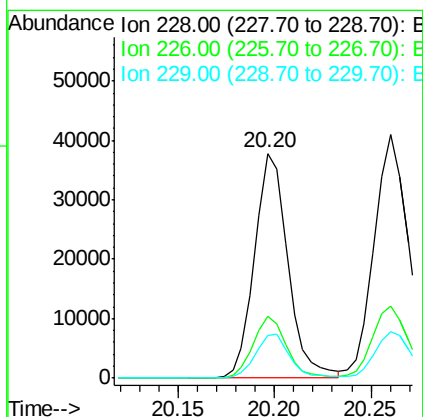
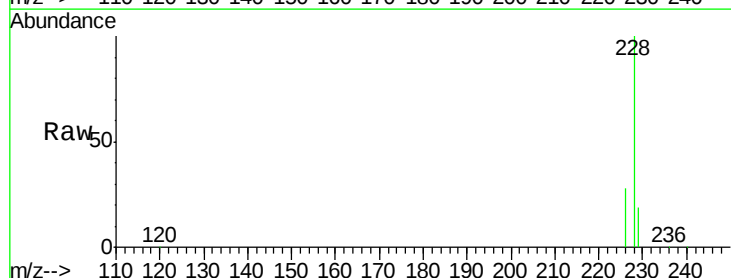
Tgt Ion:228 Resp: 45037

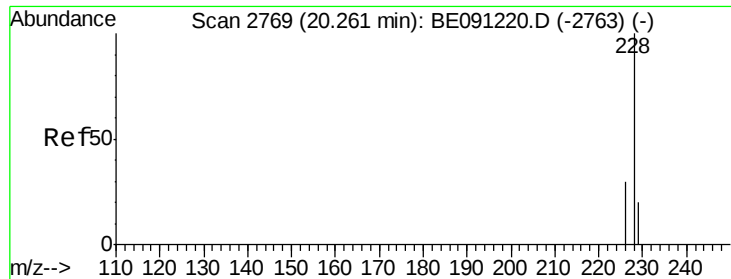
Ion Ratio Lower Upper

228 100

226 27.7 23.0 34.4

229 18.8 15.2 22.8





#21

Chrysene

Concen: 0.40 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

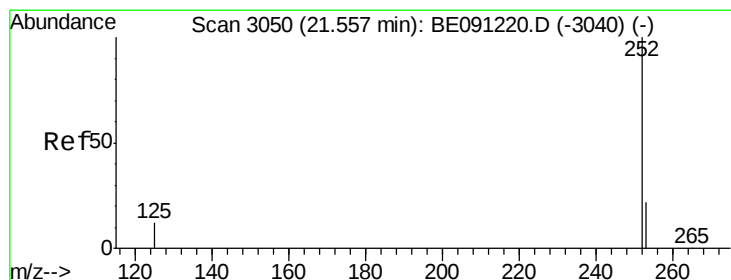
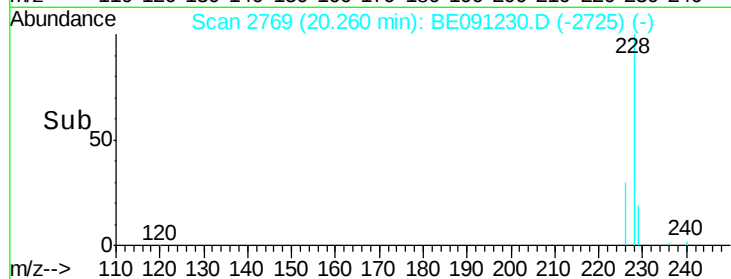
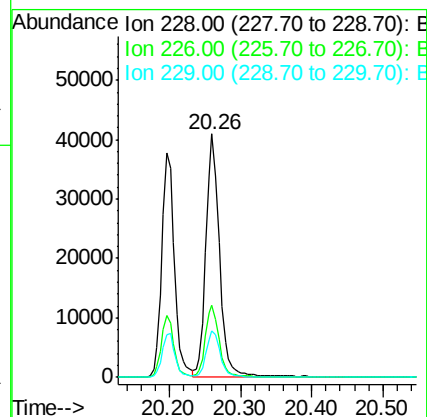
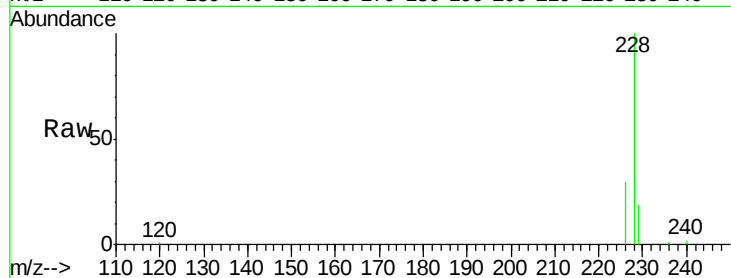
Tgt Ion:228 Resp: 53174

Ion Ratio Lower Upper

228 100

226 29.7 25.7 38.5

229 19.3 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.41 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

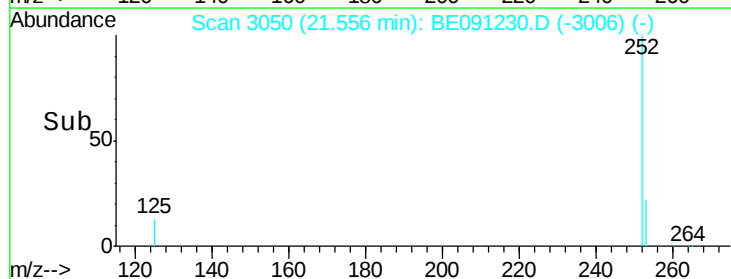
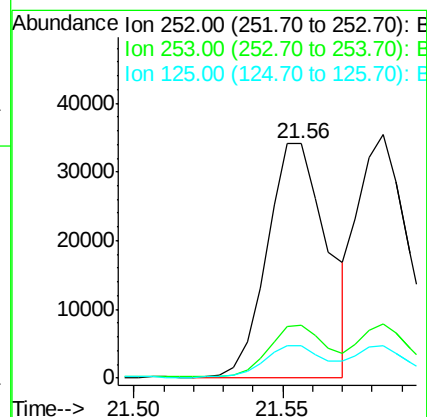
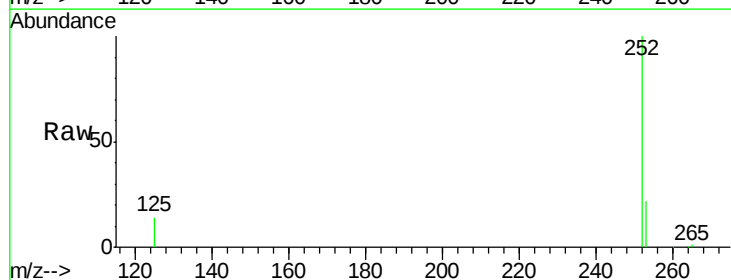
Tgt Ion:252 Resp: 47392

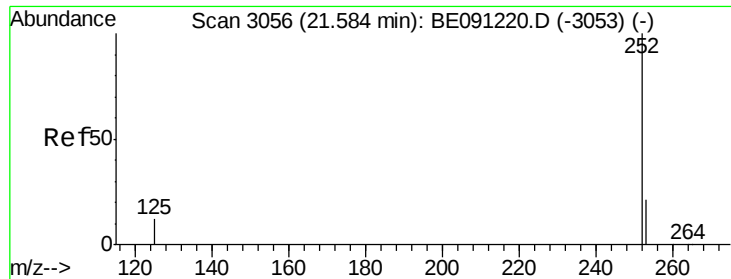
Ion Ratio Lower Upper

252 100

253 22.3 0.0 48.0

125 13.7 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.39 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

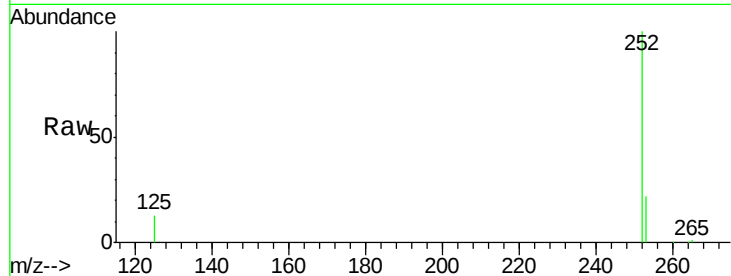
Tgt Ion:252 Resp: 45661

Ion Ratio Lower Upper

252 100

253 22.3 20.8 31.2

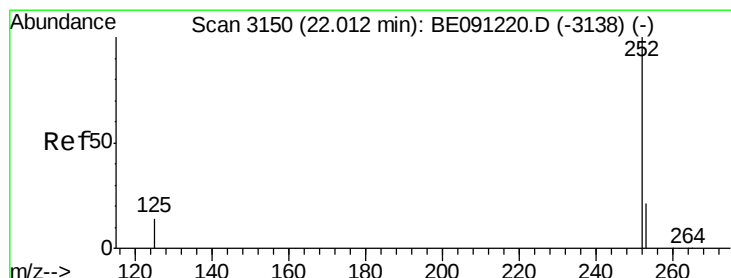
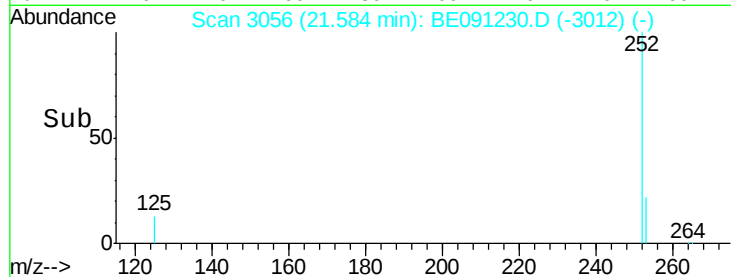
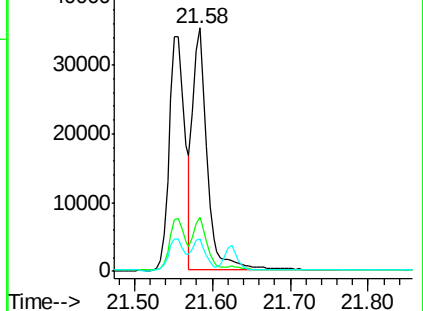
125 13.3 12.2 18.4



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: 22.01 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE091230.D

Acq: 18 Nov 2015 16:31

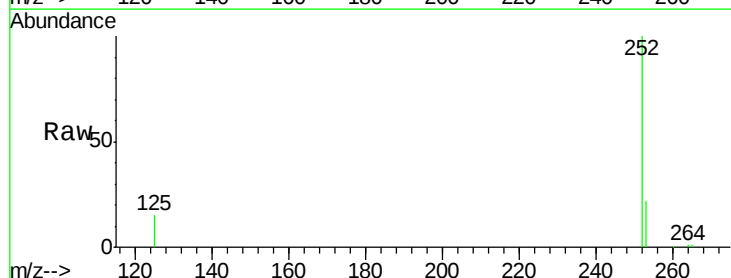
Tgt Ion:252 Resp: 45733

Ion Ratio Lower Upper

252 100

253 22.4 21.8 32.8

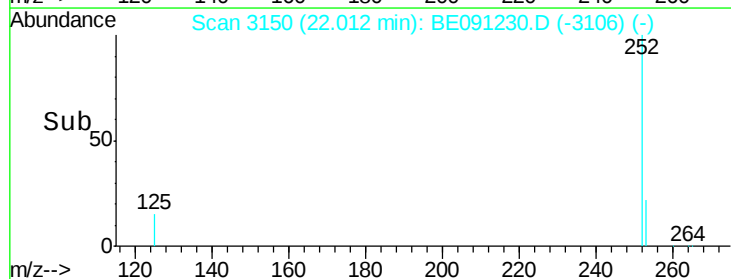
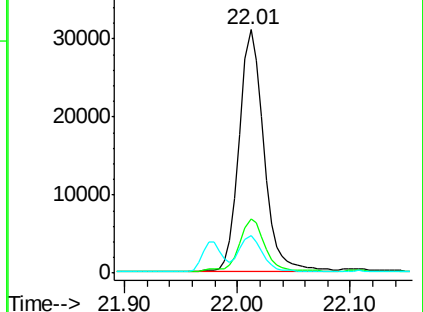
125 15.2 14.5 21.7

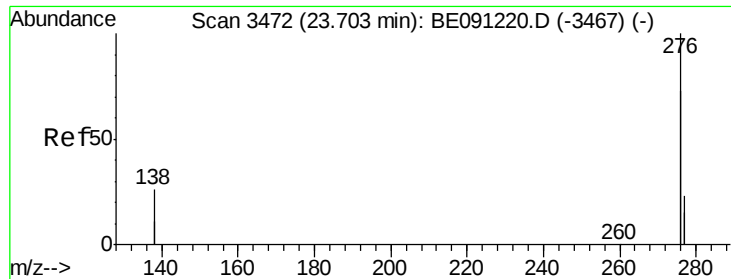


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

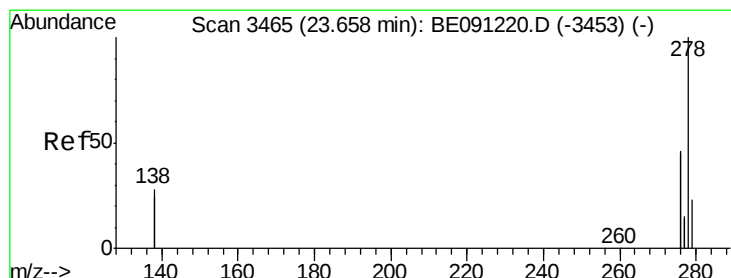
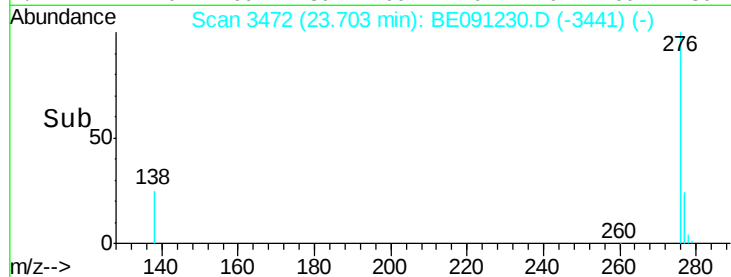
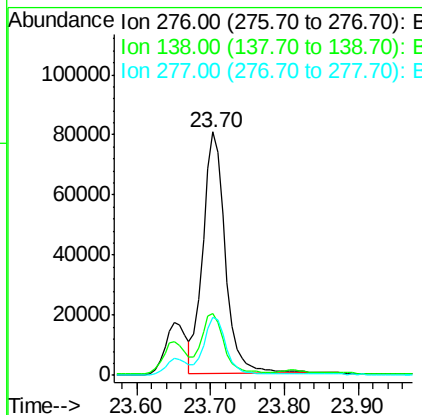
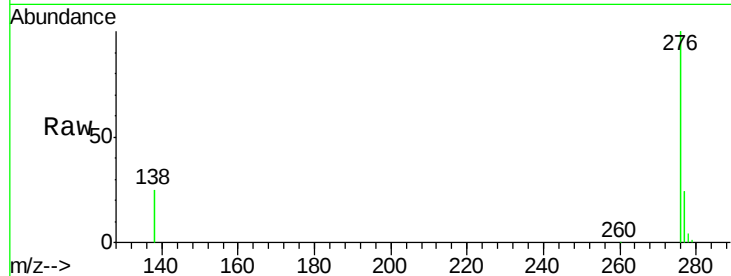




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.38 ng/ul
 RT: 23.70 min Scan# 3472
 Delta R.T. -0.00 min
 Lab File: BE091230.D
 Acq: 18 Nov 2015 16:31

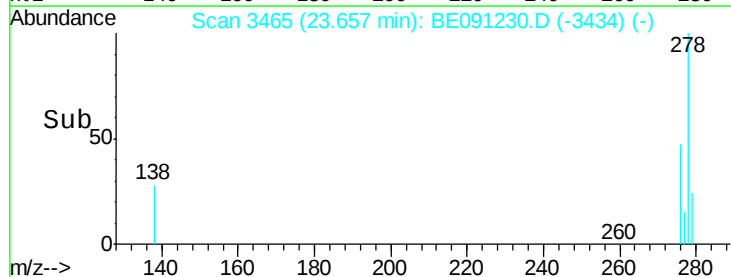
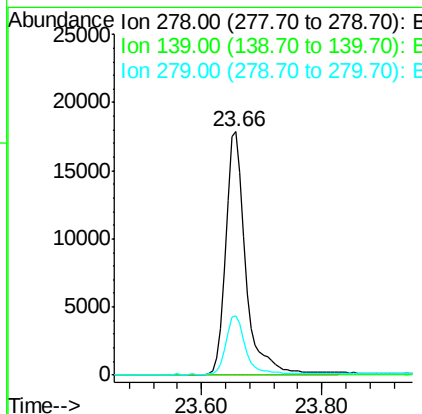
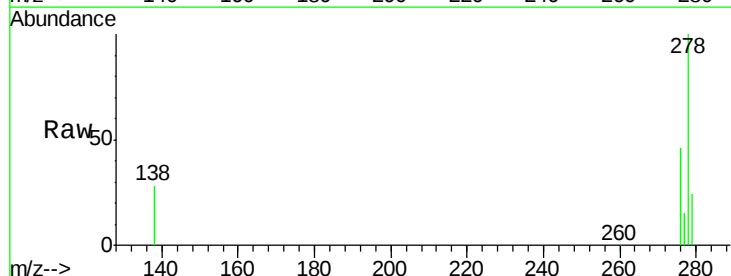
Instrument :
 BNA_E
 ClientSampleId :
 SST0.474

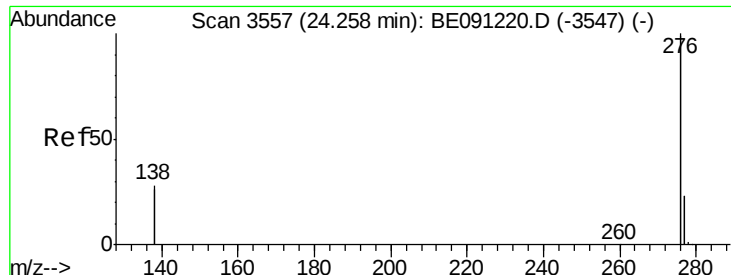
Tgt Ion: 276 Resp: 170576
 Ion Ratio Lower Upper
 276 100
 138 25.2 27.5 41.3#
 277 24.2 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.39 ng/ul
 RT: 23.66 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: BE091230.D
 Acq: 18 Nov 2015 16:31

Tgt Ion: 278 Resp: 41714
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 24.1 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.38 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BE091230.D

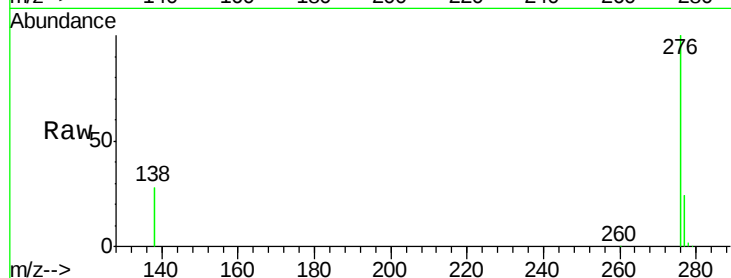
Acq: 18 Nov 2015 16:31

Instrument :

BNA_E

ClientSampleId :

SSTD0.474



Tgt Ion: 276 Resp: 176598

Ion Ratio Lower Upper

276 100

277 23.8 21.3 31.9

138 27.9 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

