

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120115\
 Data File : BE091323.D
 Acq On : 1 Dec 2015 10:19
 Operator : UM/NP
 Sample : SSTD0.192
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 01 11:34:01 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE120115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 02:51:08 2015
 Response via : Initial Calibration

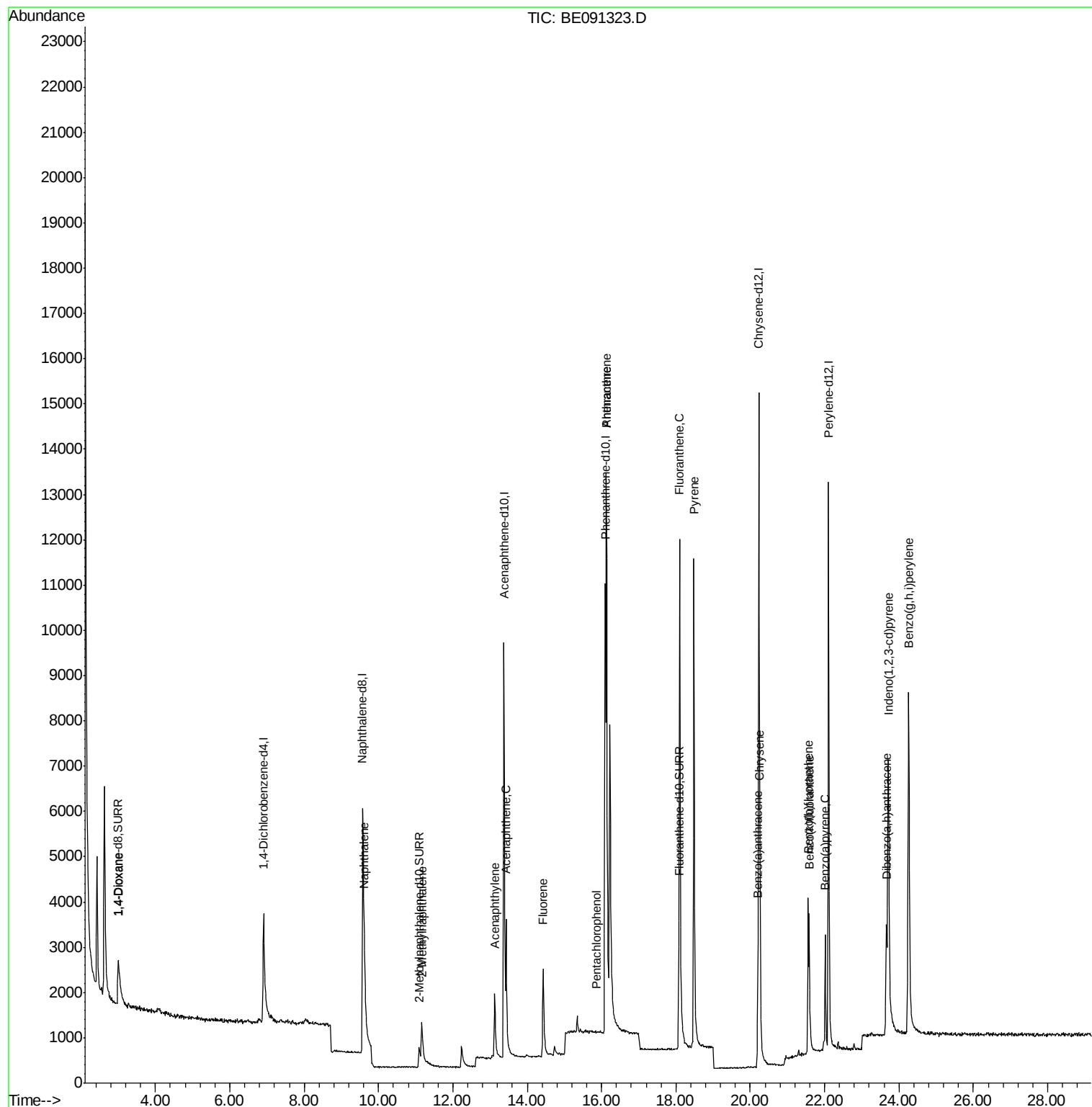
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	2696	0.40	ng/ul	0.00
4) Naphthalene-d8	9.58	136	13073	0.40	ng/ul	0.02
8) Acenaphthene-d10	13.37	164	6235	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.10	188	18089	0.40	ng/ul	0.01
18) Chrysene-d12	20.23	240	16515	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	15186	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.99	96	977	0.50	ng/uL	0.04
6) 2-Methylnaphthalene-d10	11.09	152	1205	0.07	ng/ul	0.03
16) Fluoranthene-d10	18.08	212	3415	0.07	ng/ul	0.00
Target Compounds					Ovalue	
3) 1,4-Dioxane	3.01	88	1054	0.48	ng/ul#	78
5) Naphthalene	9.62	128	2639	0.08	ng/ul#	89
7) 2-Methylnaphthalene	11.16	142	1447	0.07	ng/ul	92
9) Acenaphthylene	13.12	152	2563	0.08	ng/ul#	94
10) Acenaphthene	13.43	153	1898	0.09	ng/ul#	86
11) Fluorene	14.43	166	2216	0.08	ng/ul#	93
13) Pentachlorophenol	15.86	266	10	0.01	ng/ul#	47
14) Phenanthrene	16.12	178	16698	0.08	ng/ul	97
15) Anthracene	16.12	178	16672	0.09	ng/ul	97
17) Fluoranthene	18.10	202	17119	0.07	ng/ul	86
19) Pyrene	18.49	202	15688	0.08	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	2968	0.07	ng/ul	97
21) Chrysene	20.26	228	4458	0.09	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	3490	0.07	ng/ul	97
24) Benzo(k)fluoranthene	21.58	252	4019	0.08	ng/ul	98
25) Benzo(a)pyrene	22.01	252	3314	0.08	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	23.72	276	12248	0.07	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.66	278	2482	0.06	ng/ul#	73
28) Benzo(g,h,i)perylene	24.26	276	14547	0.08	ng/ul	96

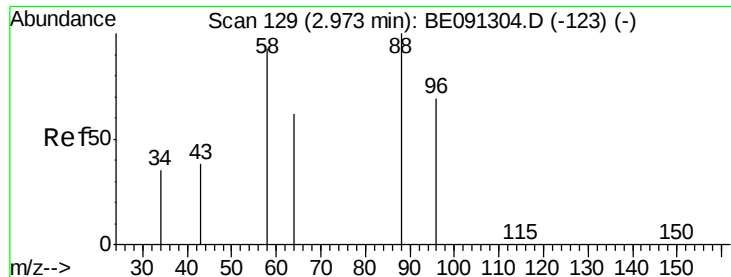
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.48 ng/ul

RT: 3.01 min Scan# 134

Delta R.T. 0.04 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

Instrument :

BNA_E

ClientSampleId :

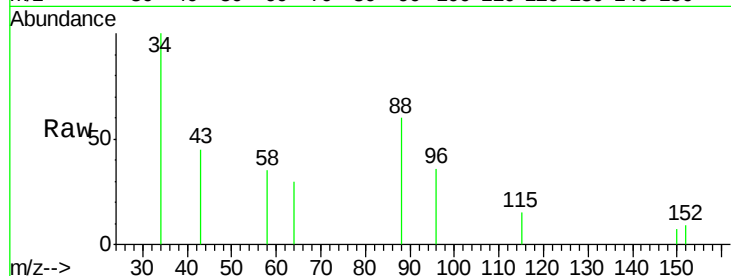
Tot Ion: 88 Resp: 1054

Ion Ratio Lower Upper

88 100

58 92.8 55.4 83.2#

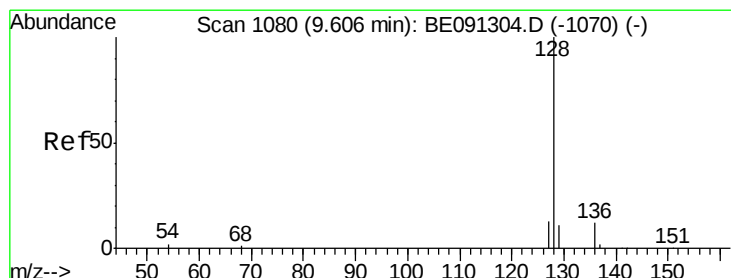
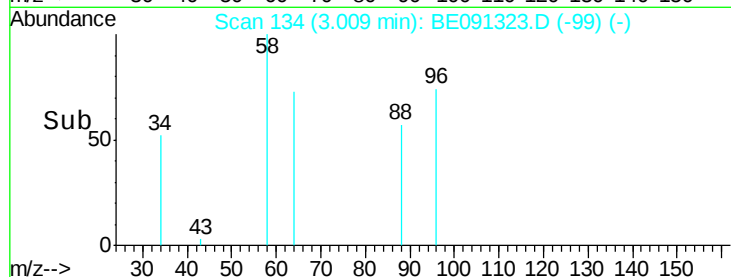
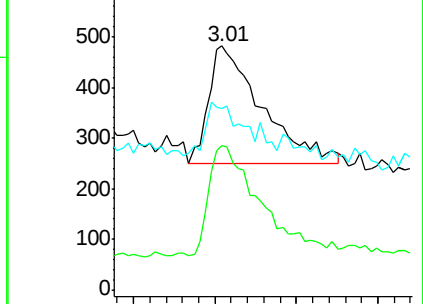
43 34.5 24.2 36.2



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: 0.08 ng/ul

RT: 9.62 min Scan# 1082

Delta R.T. 0.02 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

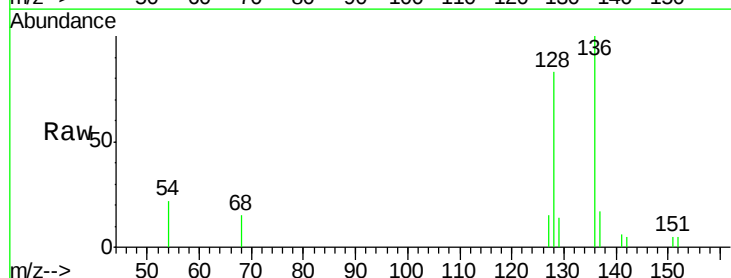
Tgt Ion: 128 Resp: 2639

Ion Ratio Lower Upper

128 100

129 16.2 9.8 14.8#

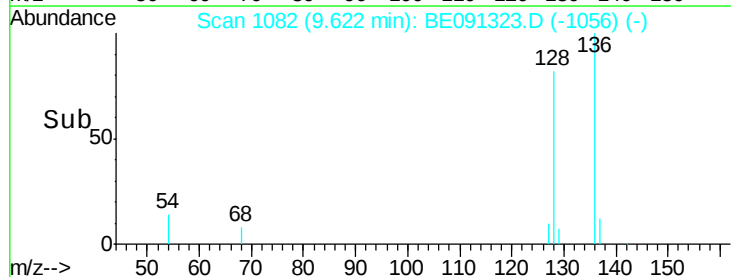
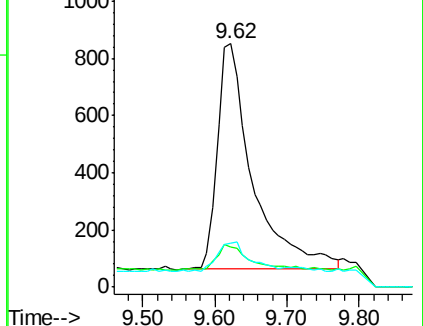
127 18.1 10.7 16.1#

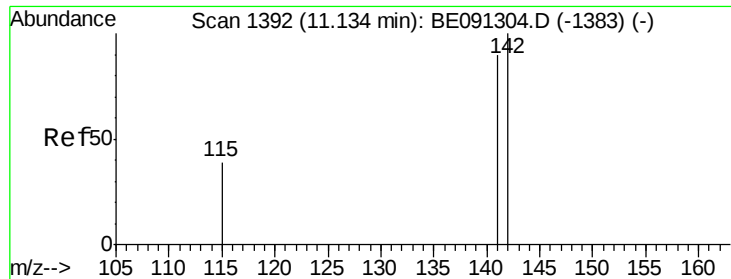


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.07 ng/ul

RT: 11.16 min Scan# 1398

Delta R.T. 0.03 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

Instrument :

BNA_E

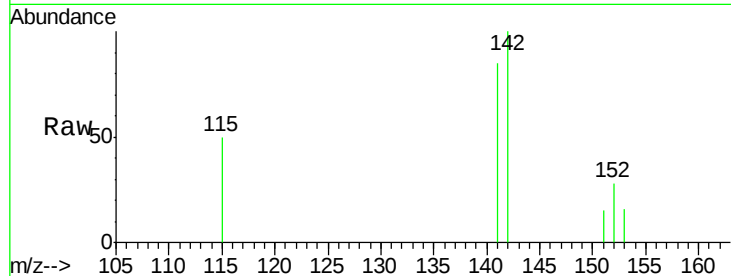
ClientSampleId :

Tot Ion:142 Resp: 1447

Ion Ratio Lower Upper

142 100

141 95.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.16

400

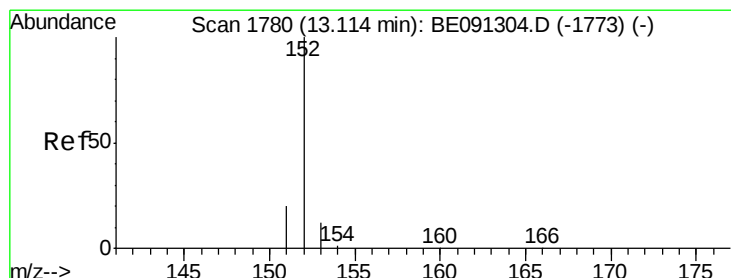
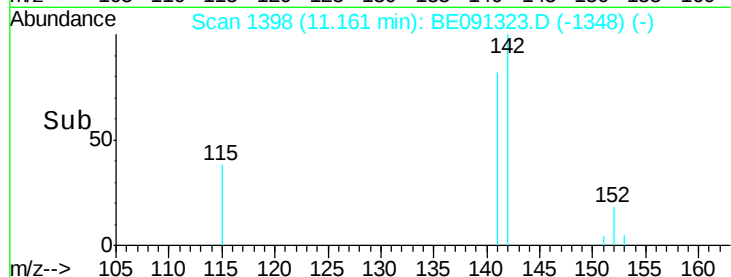
300

200

100

0

Time--> 11.10 11.20 11.30



#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

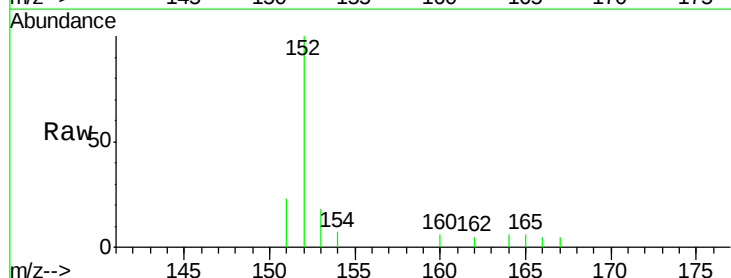
Tgt Ion:152 Resp: 2563

Ion Ratio Lower Upper

152 100

151 23.4 16.8 25.2

153 17.5 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

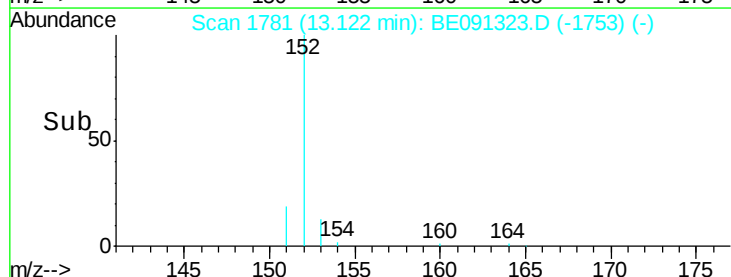
1500

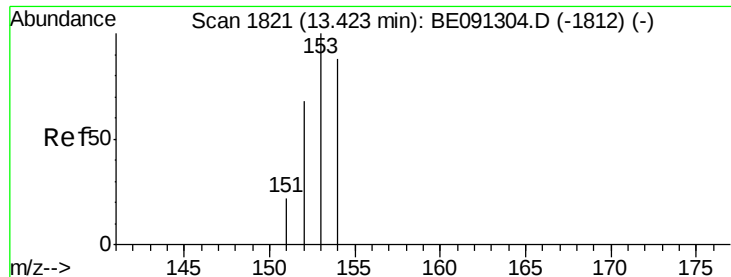
1000

500

0

Time--> 13.00 13.10 13.20 13.30





#10

Acenaphthene

Concen: 0.09 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

Instrument :

BNA_E

ClientSampled :

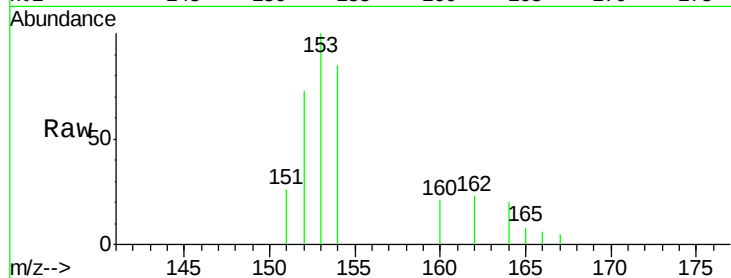
Tot Ion:153 Resp: 1898

Ion Ratio Lower Upper

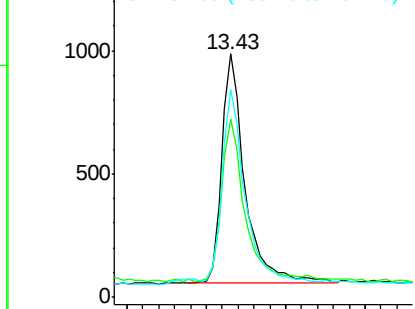
153 100

152 73.2 42.3 63.5#

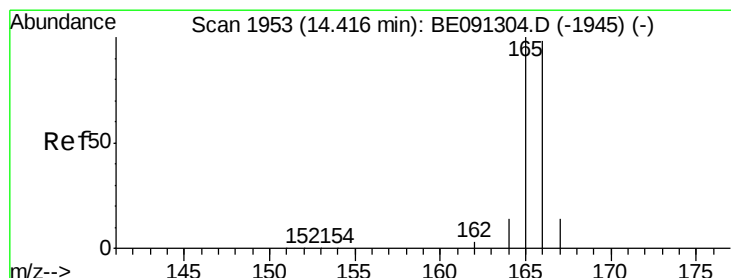
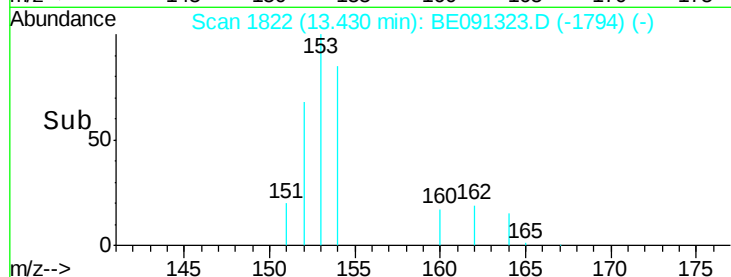
154 85.1 64.7 97.1



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



Time--> 13.30 13.40 13.50 13.60



#11

Fluorene

Concen: 0.08 ng/ul

RT: 14.43 min Scan# 1955

Delta R.T. 0.02 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

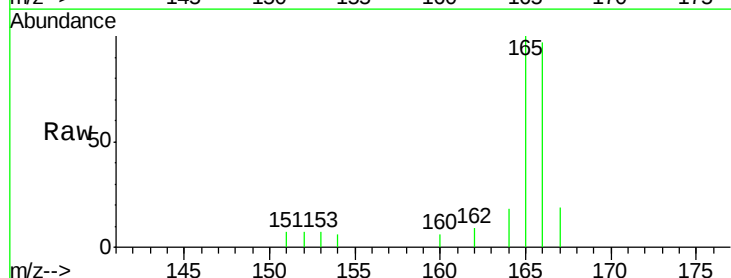
Tgt Ion:166 Resp: 2216

Ion Ratio Lower Upper

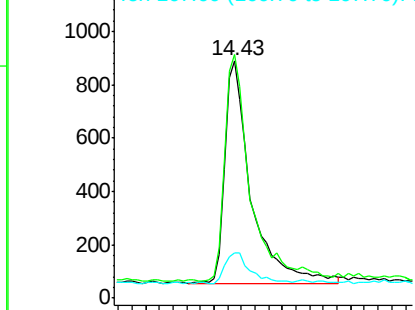
166 100

165 102.6 87.6 131.4

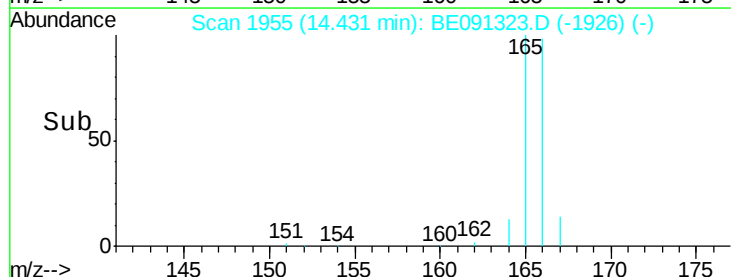
167 19.0 11.1 16.7#

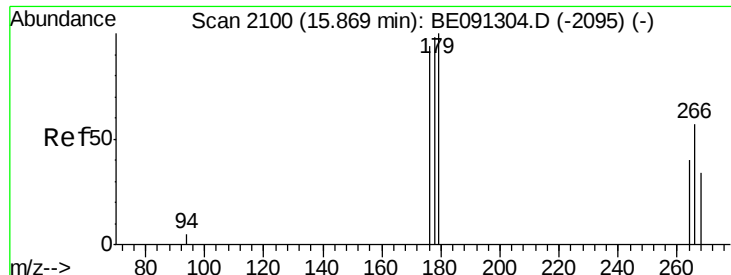


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time--> 14.30 14.40 14.50 14.60

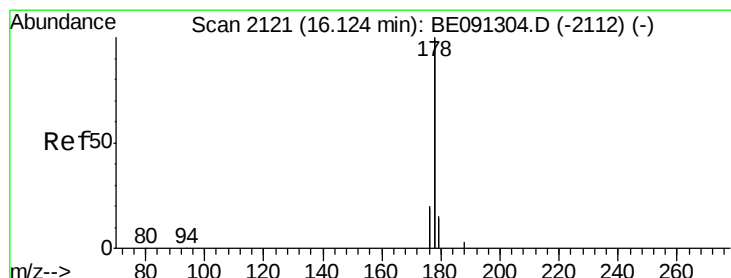
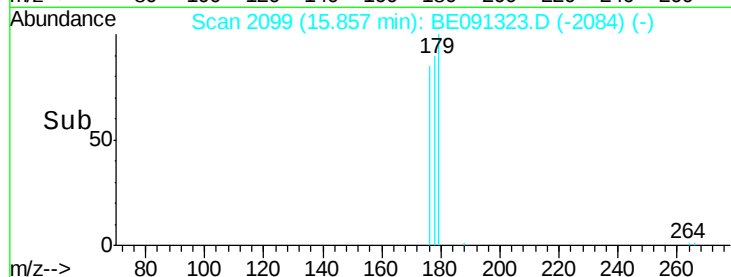
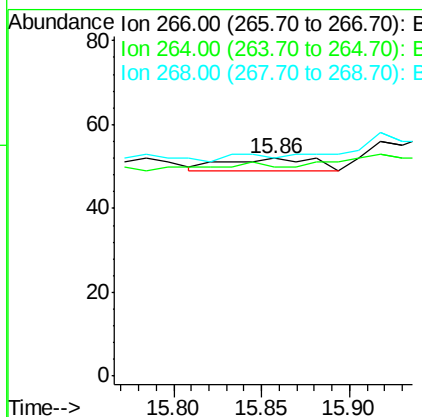
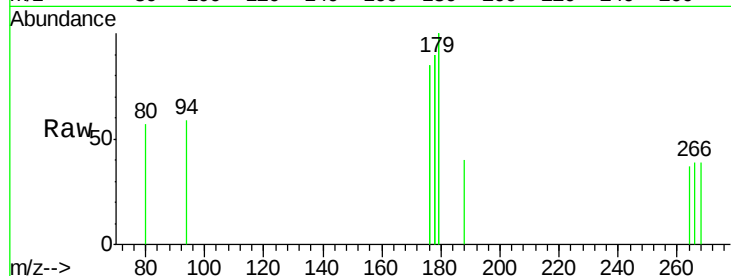




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BE091323.D
 Acq: 1 Dec 2015 10:19

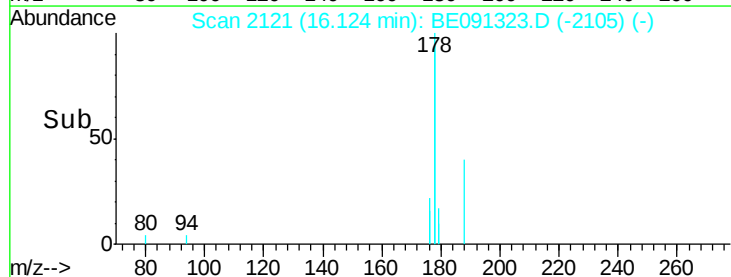
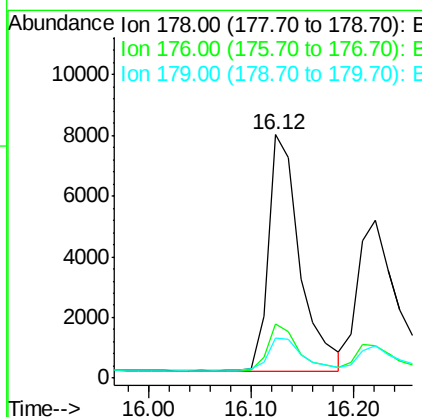
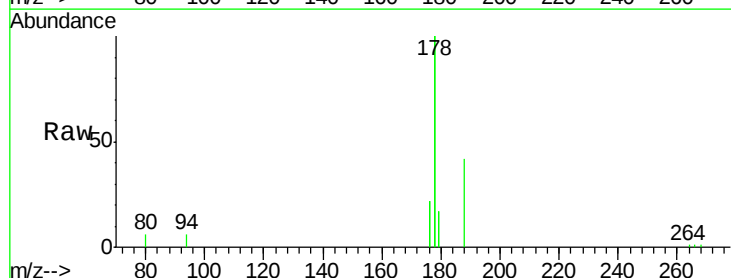
Instrument :
 BNA_E
 ClientSampleId :

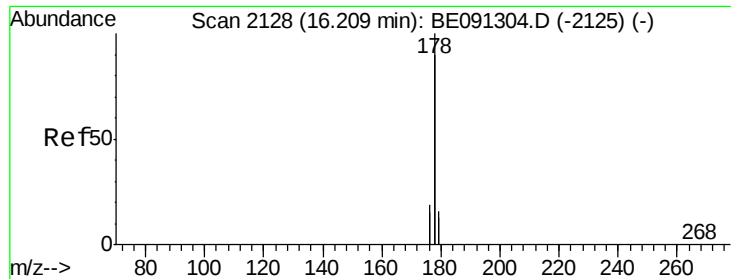
Tot Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 264 50.0 53.5 80.3#
 268 0.0 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.08 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.00 min
 Lab File: BE091323.D
 Acq: 1 Dec 2015 10:19

Tgt Ion:178 Resp: 16698
 Ion Ratio Lower Upper
 178 100
 176 22.4 16.2 24.4
 179 16.7 12.8 19.2





#15

Anthracene

Concen: 0.09 ng/ul

RT: 16.12 min Scan# 2121

Delta R.T. -0.08 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

Instrument :

BNA_E

ClientSampleId :

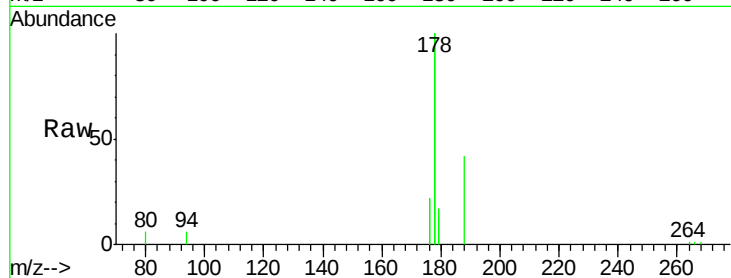
Tot Ion:178 Resp: 16672

Ion Ratio Lower Upper

178 100

176 22.4 15.8 23.8

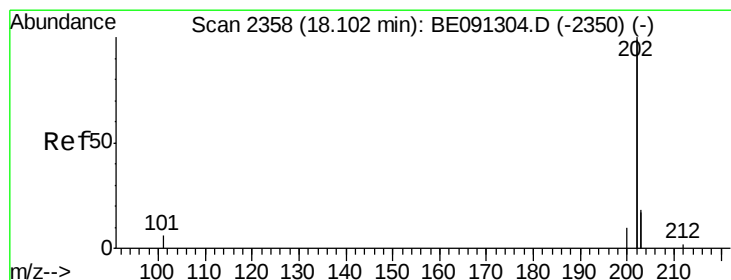
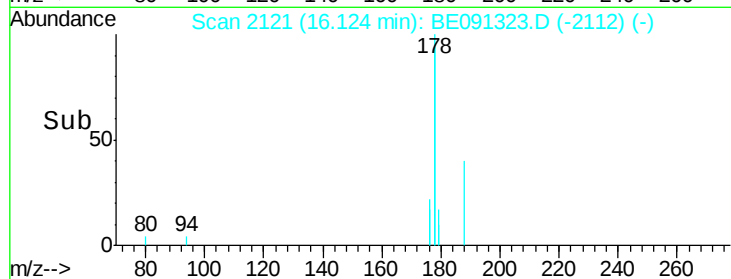
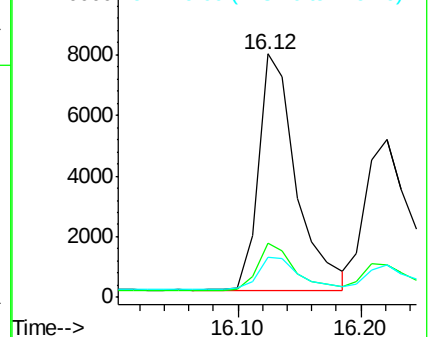
179 16.7 13.3 19.9



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: 0.07 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. 0.00 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

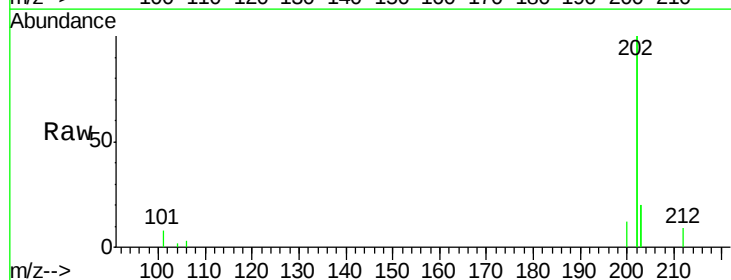
Tgt Ion:202 Resp: 17119

Ion Ratio Lower Upper

202 100

101 4.0 0.0 33.1

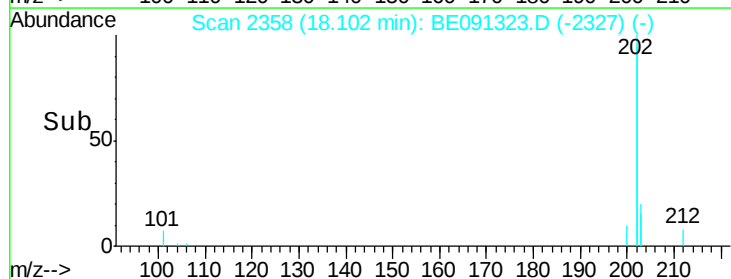
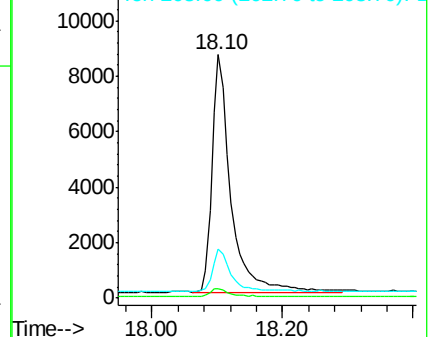
203 20.0 0.0 37.2

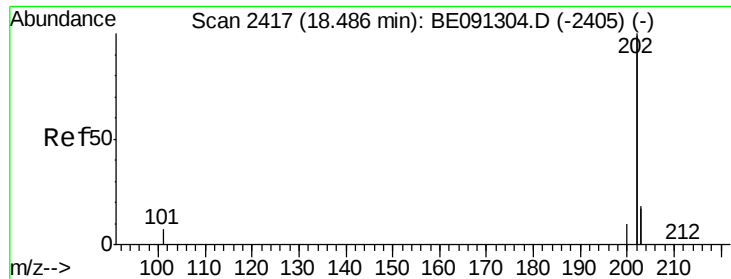


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.08 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

Instrument :

BNA_E

ClientSampleId :

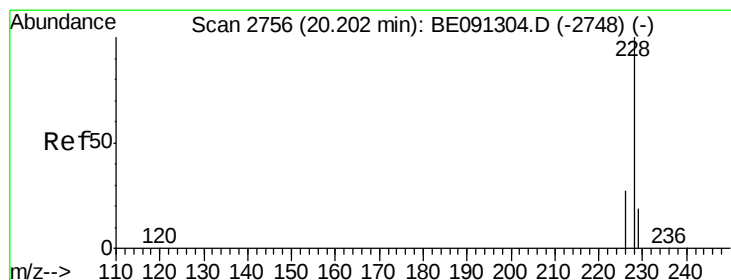
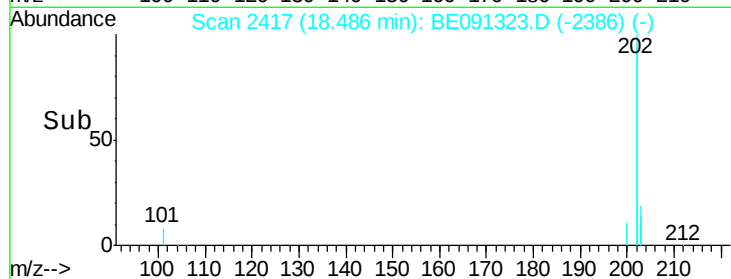
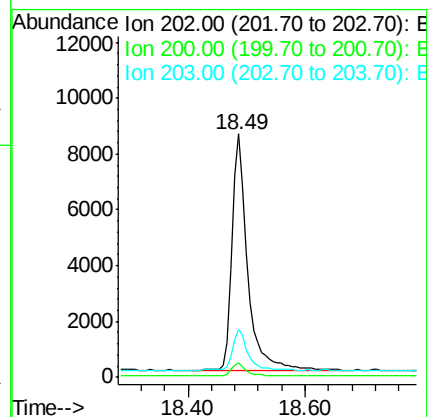
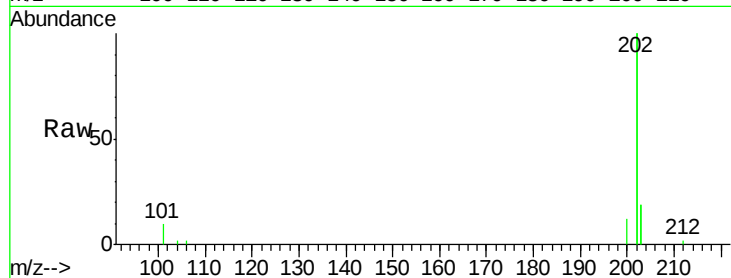
Tot Ion:202 Resp: 15688

Ion Ratio Lower Upper

202 100

200 6.1 18.0 27.0#

203 19.4 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

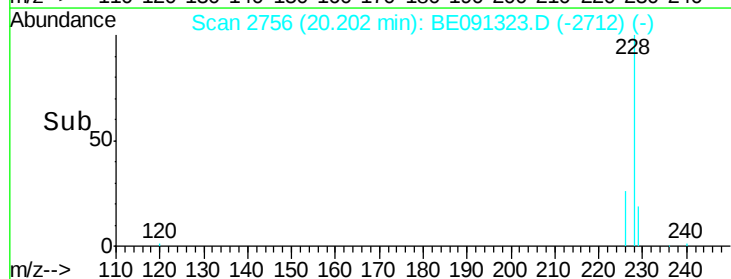
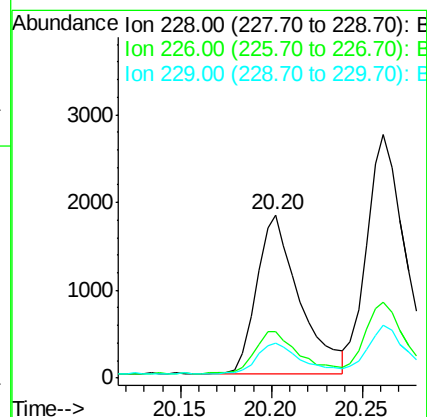
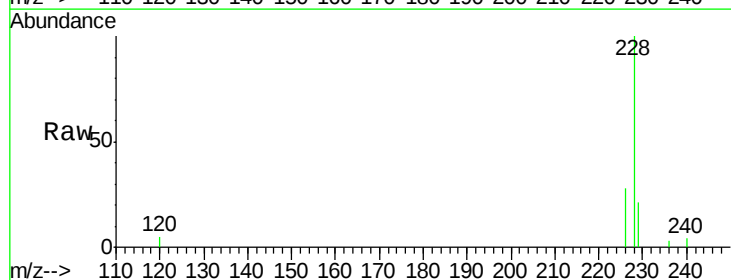
Tgt Ion:228 Resp: 2968

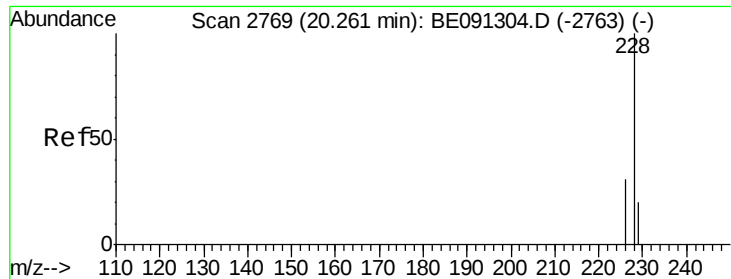
Ion Ratio Lower Upper

228 100

226 28.3 23.0 34.4

229 21.4 15.2 22.8





#21

Chrysene

Concen: 0.09 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

Instrument :

BNA_E

ClientSampleId :

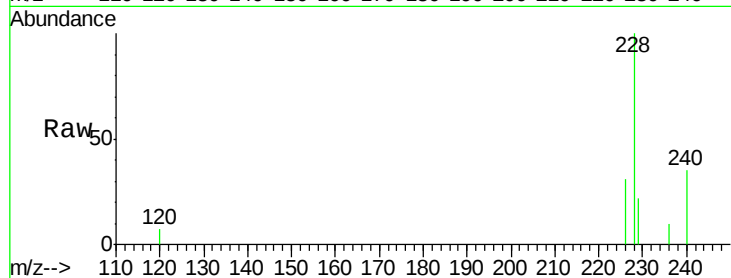
Tot Ion:228 Resp: 4458

Ion Ratio Lower Upper

228 100

226 31.3 25.7 38.5

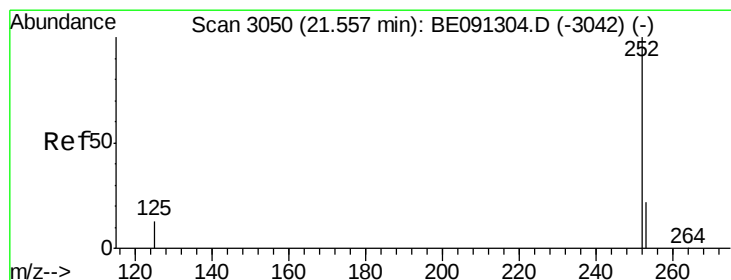
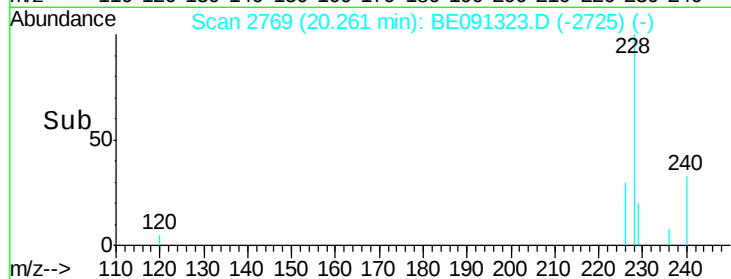
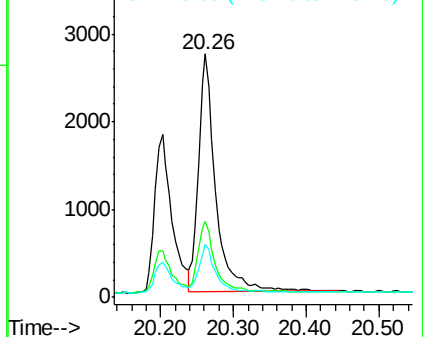
229 21.7 15.2 22.8



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: 0.07 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

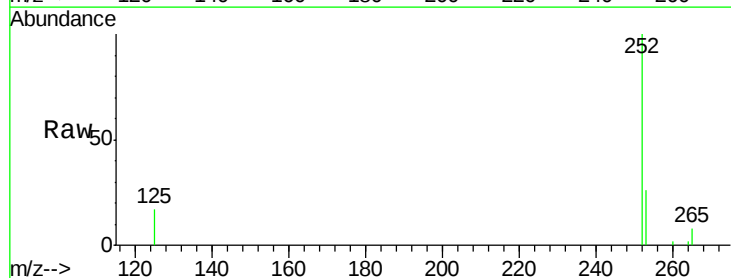
Tgt Ion:252 Resp: 3490

Ion Ratio Lower Upper

252 100

253 25.9 0.0 48.0

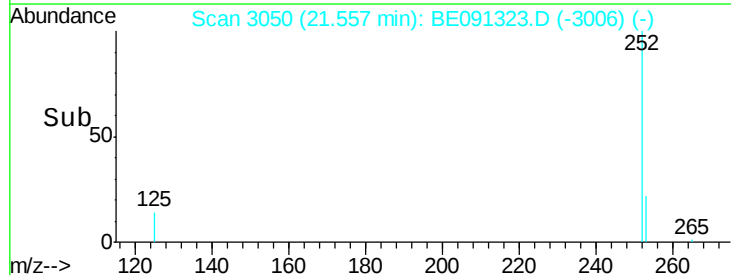
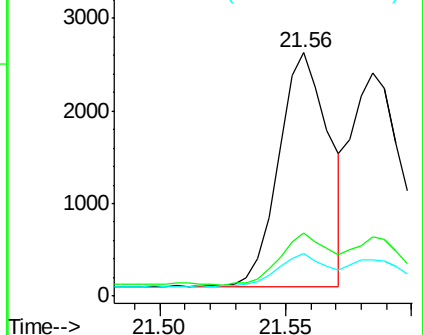
125 17.5 0.0 36.6

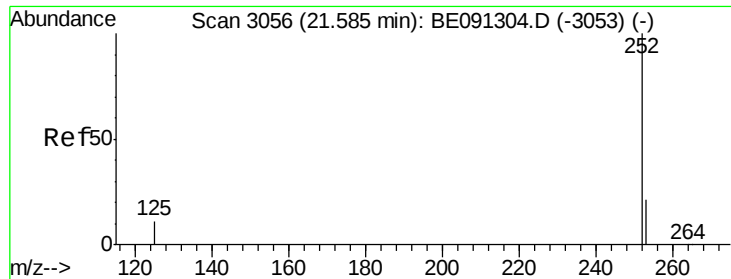


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.08 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

Instrument :

BNA_E

ClientSampleId :

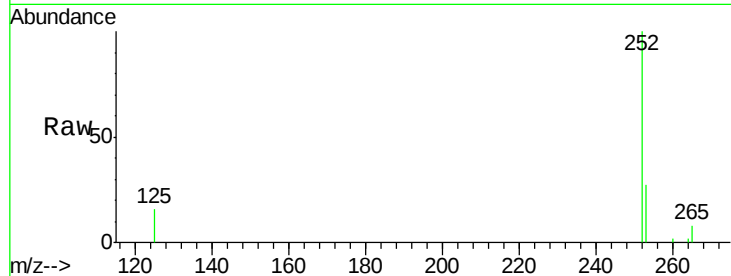
Tot Ion:252 Resp: 4019

Ion Ratio Lower Upper

252 100

253 26.6 20.8 31.2

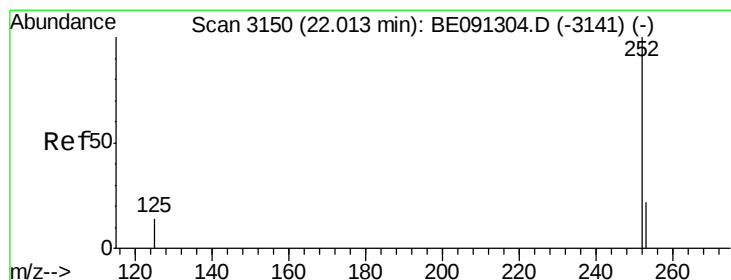
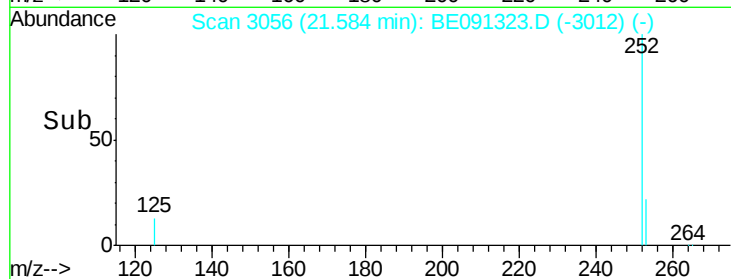
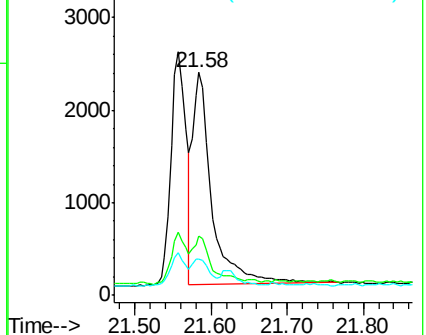
125 16.3 12.2 18.4



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: 0.08 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

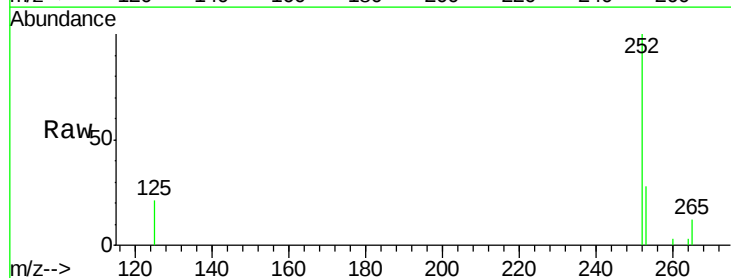
Tgt Ion:252 Resp: 3314

Ion Ratio Lower Upper

252 100

253 27.5 21.8 32.8

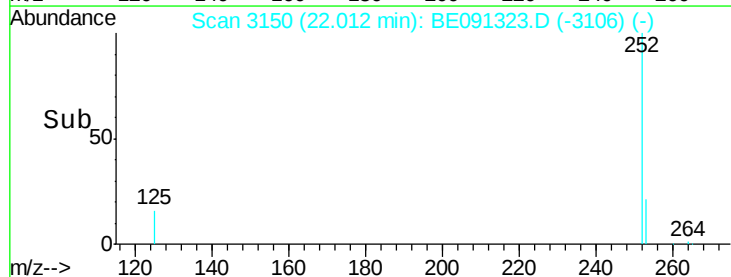
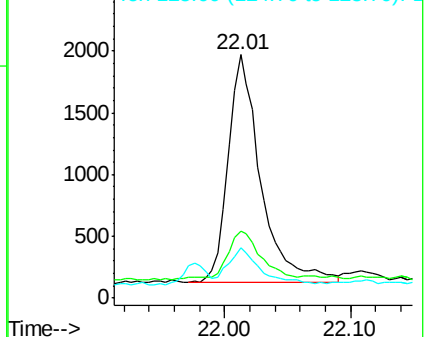
125 20.9 14.5 21.7

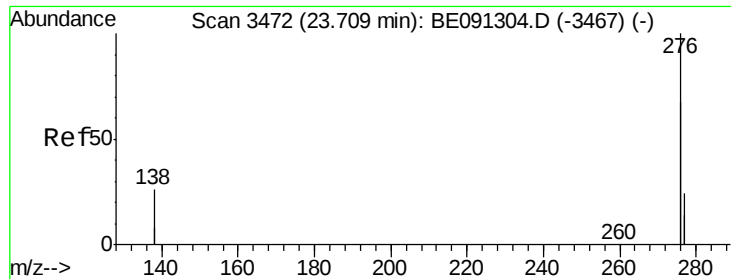


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

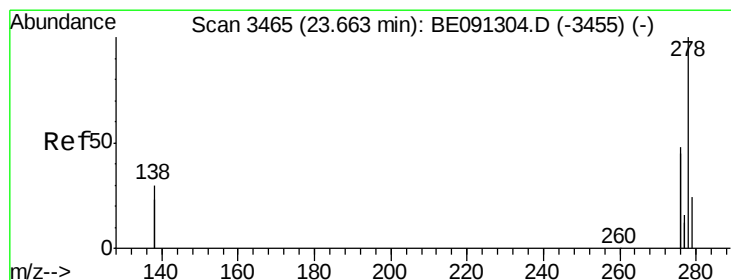
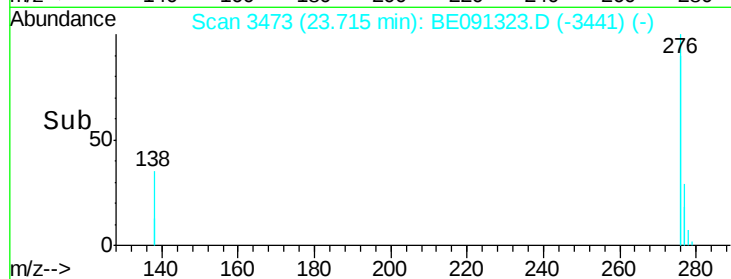
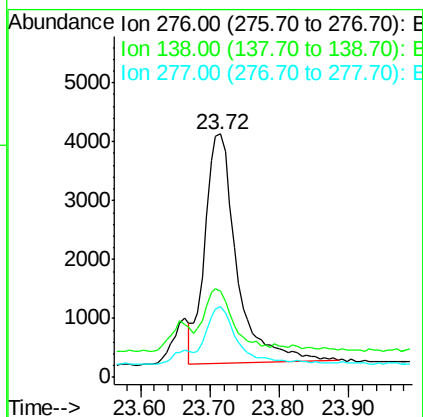
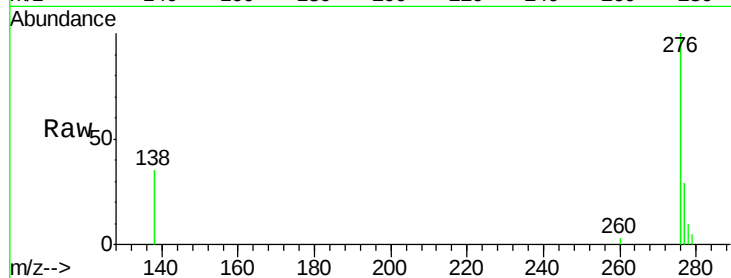




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.07 ng/ul
 RT: 23.72 min Scan# 3473
 Delta R.T. 0.01 min
 Lab File: BE091323.D
 Acq: 1 Dec 2015 10:19

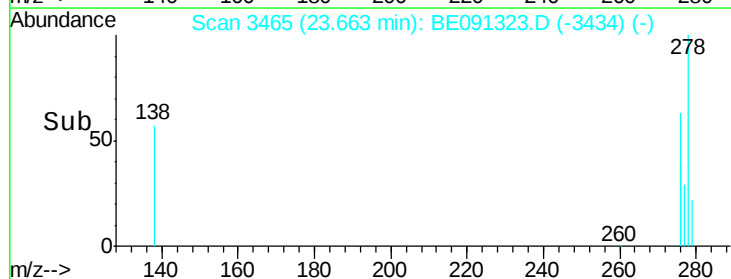
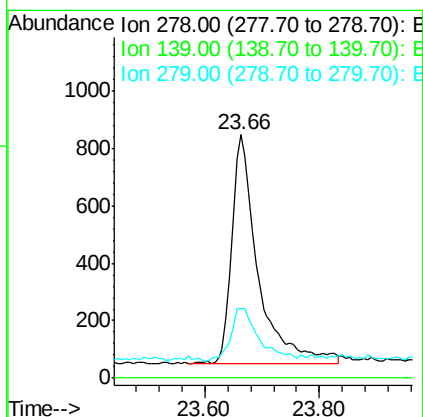
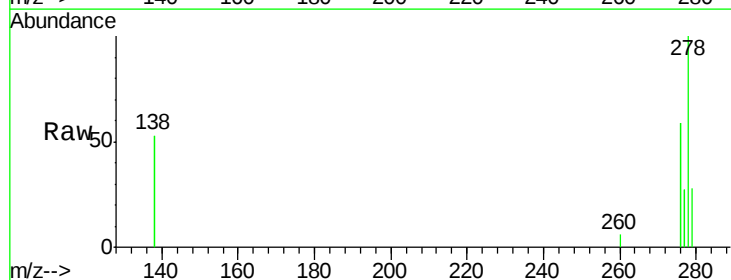
Instrument :
 BNA_E
 ClientSampleId :

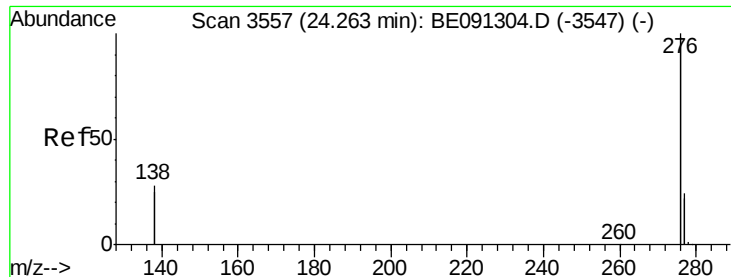
Tot Ion:276 Resp: 12248
 Ion Ratio Lower Upper
 276 100
 138 27.2 27.5 41.3#
 277 24.5 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.06 ng/ul
 RT: 23.66 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: BE091323.D
 Acq: 1 Dec 2015 10:19

Tgt Ion:278 Resp: 2482
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 28.5 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.08 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. -0.00 min

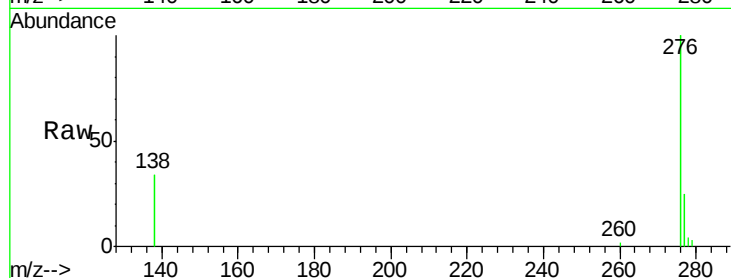
Lab File: BE091323.D

Acq: 1 Dec 2015 10:19

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 14547

Ion Ratio Lower Upper

276 100

277 25.1 21.3 31.9

138 34.1 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

