

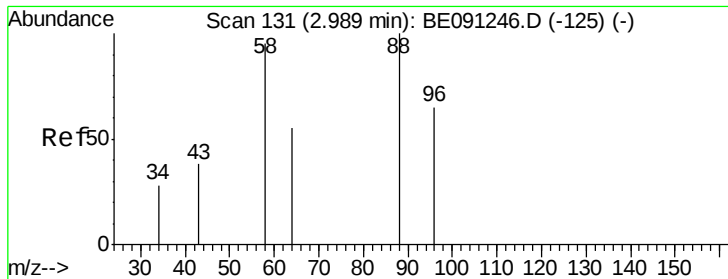
Data Path : Z:\HPCHEM1\BNA E\DATA\BE112015\
 Data File : BE091247.D
 Acq On : 20 Nov 2015 15:43
 Operator : UM/NP
 Sample : PB86604BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SBLK04

Quant Time: Nov 21 02:37:28 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 : Sat Nov 21 02:33:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2540	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.55	136	11756	0.40	ng/ul	-0.03
8) Acenaphthene-d10	13.36	164	6121	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1160735	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	17693	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1524725	0.40	ng/ul	-0.13
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	22735	12.44	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.07	152	4662	0.29	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	12310	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.96	88	63	0.03	ng/ul#	48
5) Naphthalene	9.57	128	156	0.01	ng/ul#	1
7) 2-Methylnaphthalene	11.12	142	7	0.00	ng/ul	82
9) Acenaphthylene	13.08	152	160	0.01	ng/ul#	1
10) Acenaphthene	13.42	153	24	0.00	ng/ul#	63
11) Fluorene	14.35	166	2039	0.08	ng/ul#	10
13) Pentachlorophenol	15.86	266	329	0.00	ng/ul	92
14) Phenanthrene	16.20	178	4865	0.00	ng/ul#	48
15) Anthracene	16.20	178	5380	0.00	ng/ul#	47
17) Fluoranthene	18.09	202	14237	0.00	ng/ul	88
19) Pyrene	18.47	202	25598	0.13	ng/ul#	69
20) Benzo(a)anthracene	20.21	228	1516	0.03	ng/ul#	92
21) Chrysene	20.27	228	2221	0.04	ng/ul#	92
23) Benzo(b)fluoranthene	21.47	252	14	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.50	252	46	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	5921	0.00	ng/ul#	48
26) Indeno(1,2,3-cd)pyrene	23.58	276	23	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.53	278	19	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.11	276	6	0.00	ng/ul#	1

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



#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 2.96 min Scan# 127

Delta R.T. -0.03 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

Instrument :

BNA_E

ClientSampled :

SBLK04

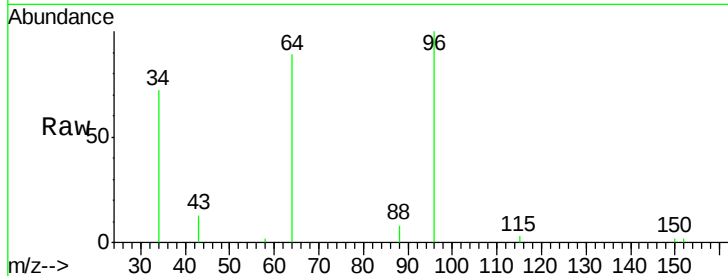
Tot Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

58 28.6 55.4 83.2#

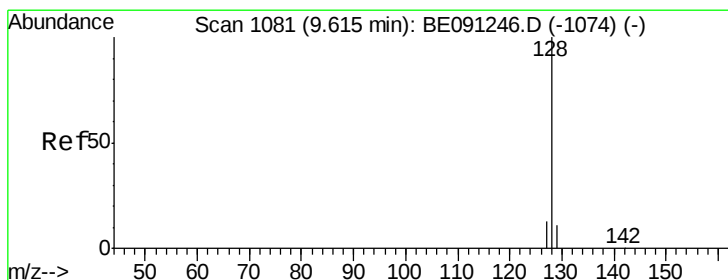
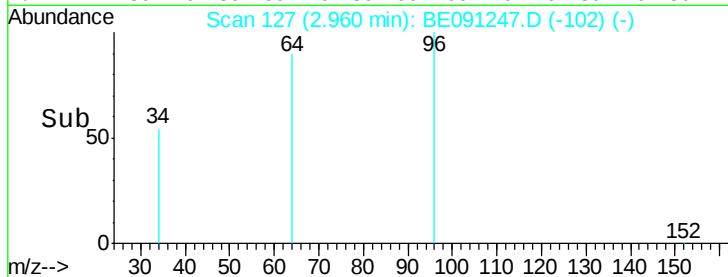
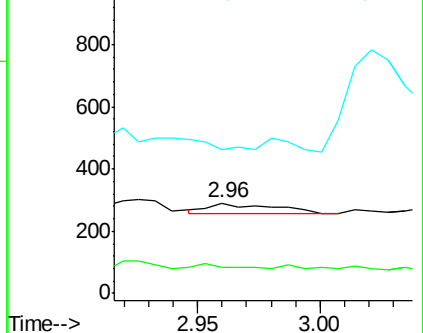
43 0.0 24.2 36.2#



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: 0.01 ng/ul

RT: 9.57 min Scan# 1076

Delta R.T. -0.04 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

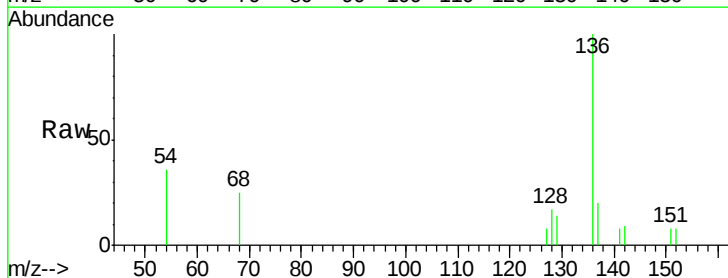
Tgt Ion: 128 Resp: 156

Ion Ratio Lower Upper

128 100

129 83.1 9.8 14.8#

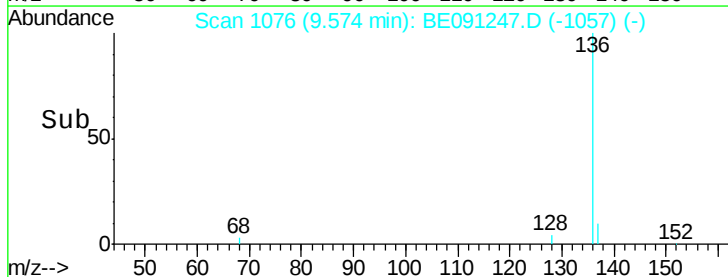
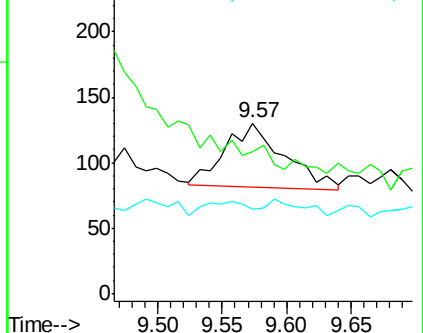
127 49.2 10.7 16.1#

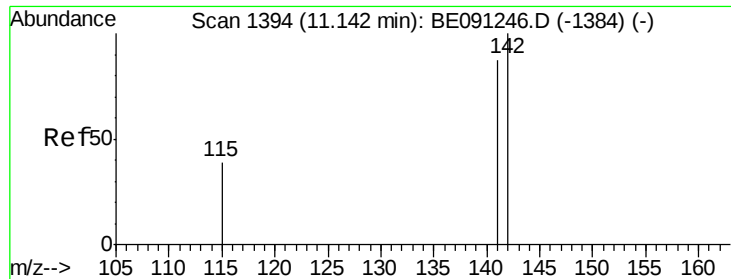


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.12 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

Instrument :

BNA_E

ClientSampleId :

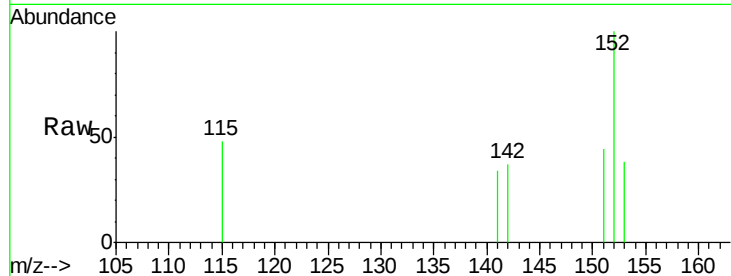
SBLK04

Tot Ion:142 Resp: 7

Ion Ratio Lower Upper

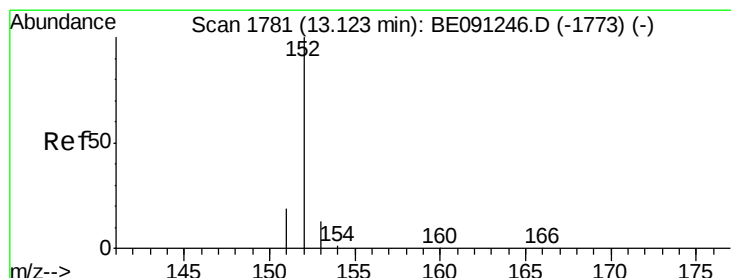
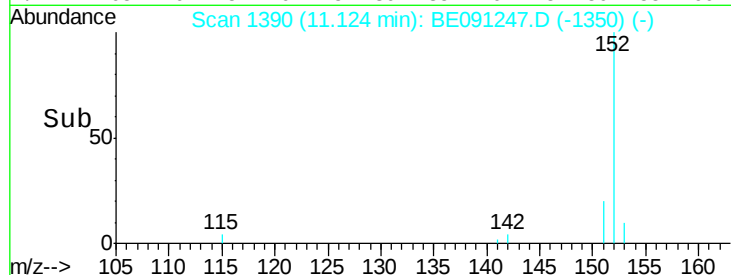
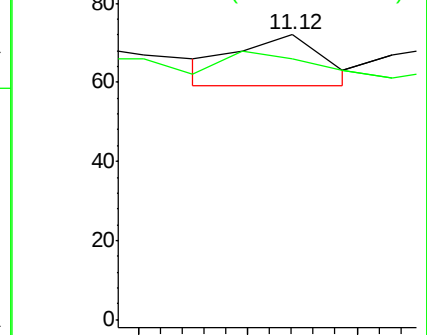
142 100

141 71.4 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: 0.01 ng/ul

RT: 13.08 min Scan# 1775

Delta R.T. -0.05 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

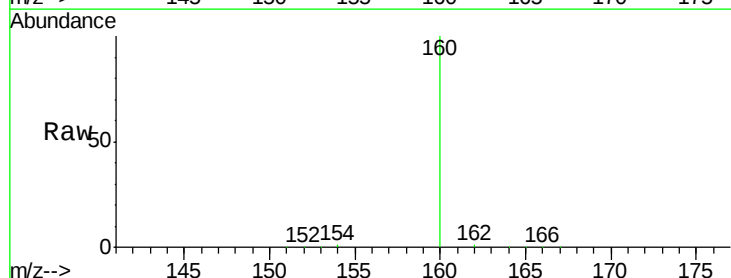
Tgt Ion:152 Resp: 160

Ion Ratio Lower Upper

152 100

151 57.2 16.8 25.2#

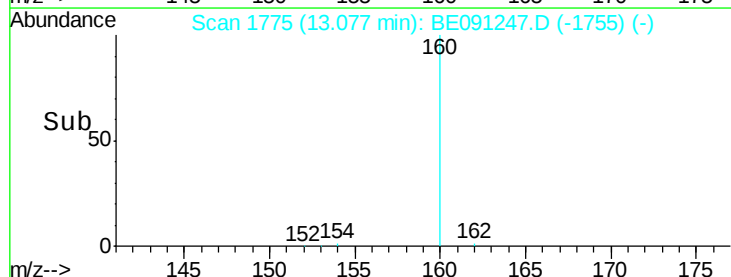
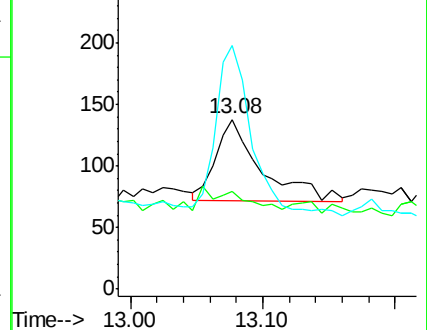
153 143.5 11.3 16.9#

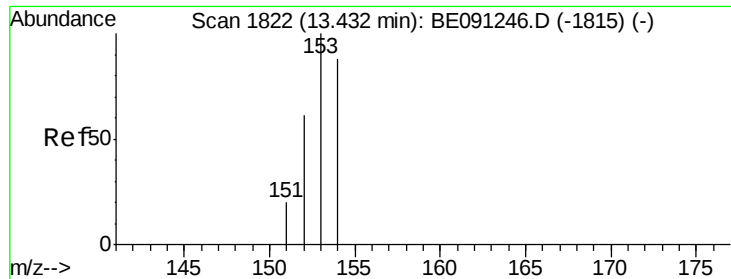


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

Instrument :

BNA_E

ClientSampleId :

SBLK04

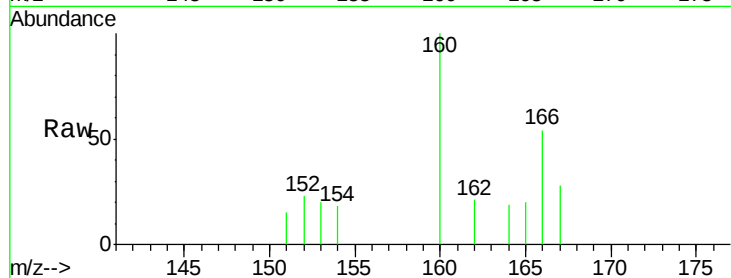
Tot Ion:153 Resp: 24

Ion Ratio Lower Upper

153 100

152 112.0 42.3 63.5#

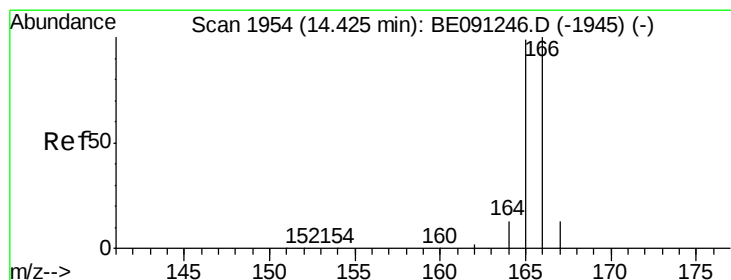
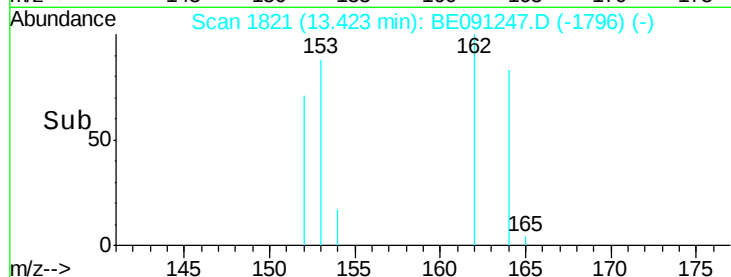
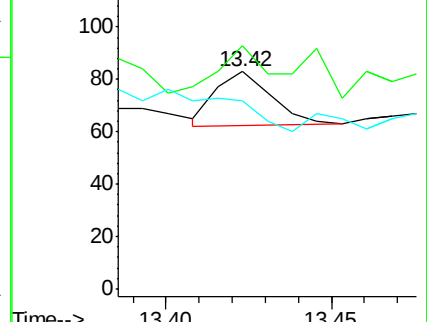
154 86.7 64.7 97.1



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: 0.08 ng/ul

RT: 14.35 min Scan# 1944

Delta R.T. -0.08 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

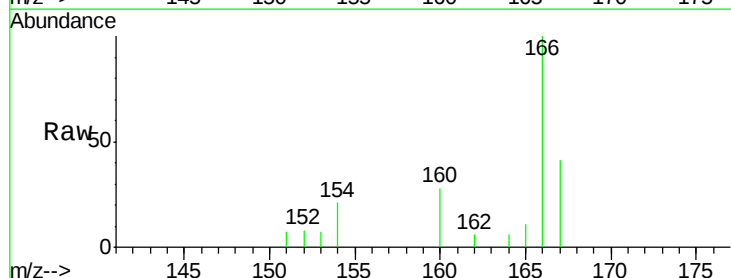
Tgt Ion:166 Resp: 2039

Ion Ratio Lower Upper

166 100

165 11.4 87.6 131.4#

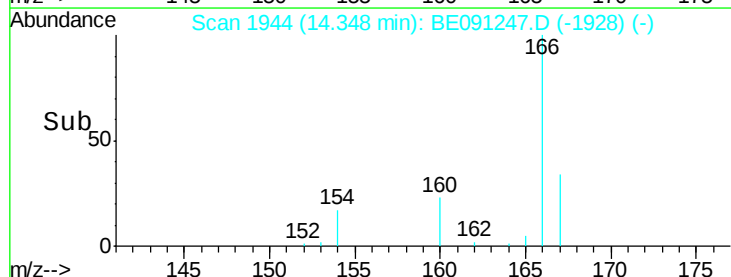
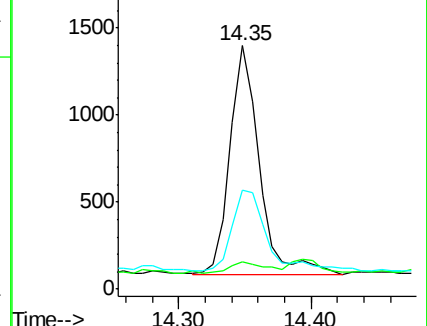
167 40.5 11.1 16.7#

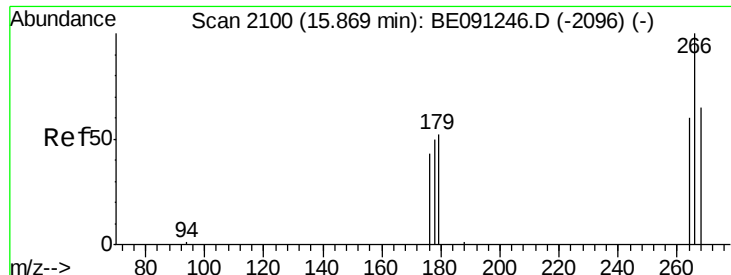


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

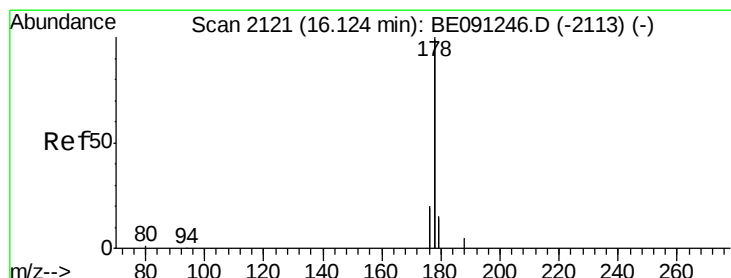
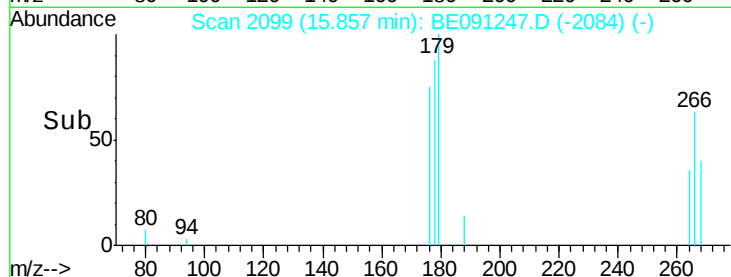
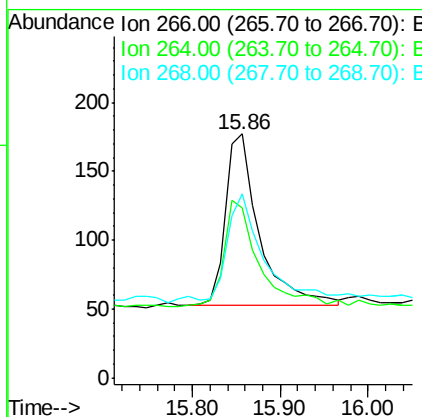
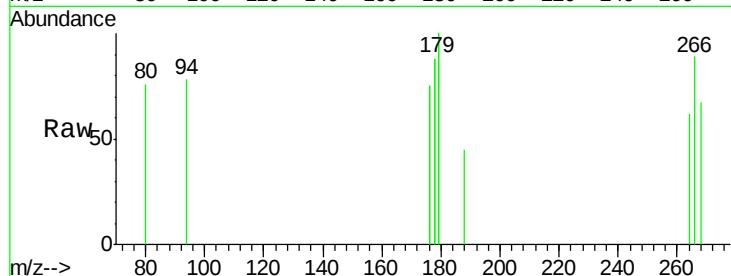




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BE091247.D
 Acq: 20 Nov 2015 15:43

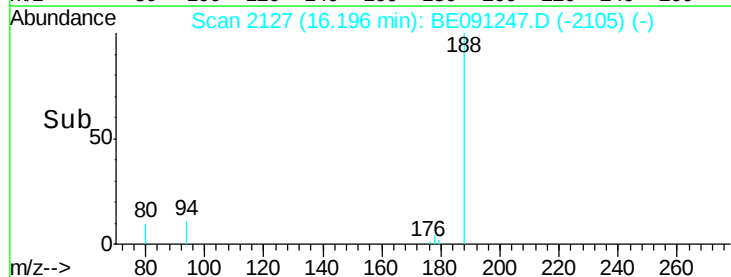
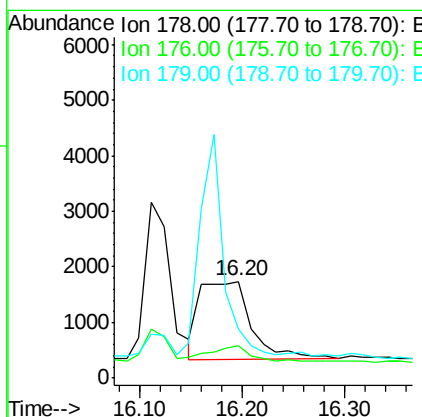
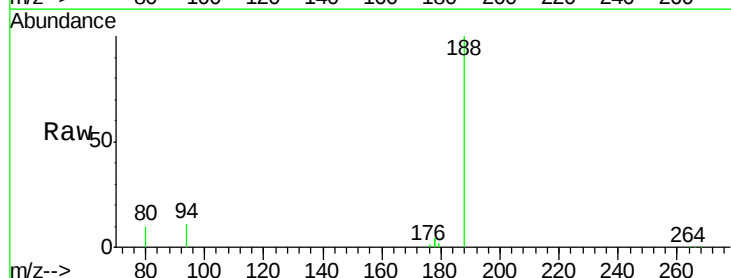
Instrument :
 BNA_E
 ClientSampleId :
 SBLK04

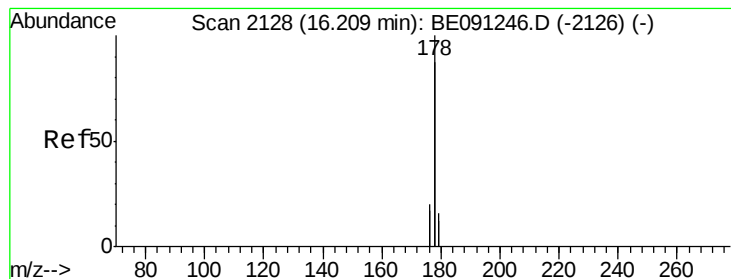
Tot Ion:266 Resp: 329
 Ion Ratio Lower Upper
 266 100
 264 64.7 53.5 80.3
 268 78.4 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.20 min Scan# 2127
 Delta R.T. 0.07 min
 Lab File: BE091247.D
 Acq: 20 Nov 2015 15:43

Tgt Ion:178 Resp: 4865
 Ion Ratio Lower Upper
 178 100
 176 33.5 16.2 24.4#
 179 51.0 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

Instrument :

BNA_E

ClientSampleId :

SBLK04

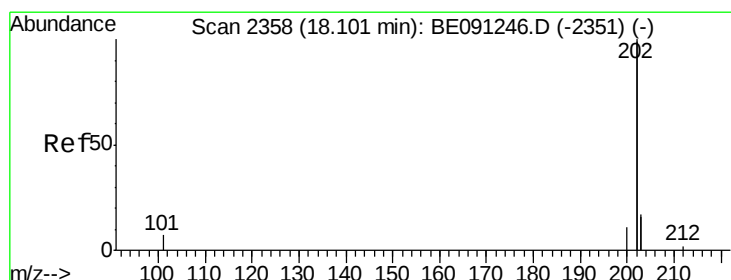
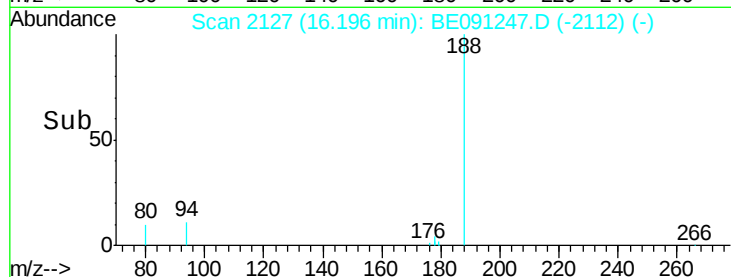
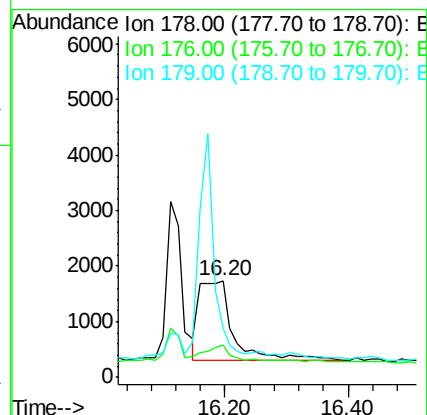
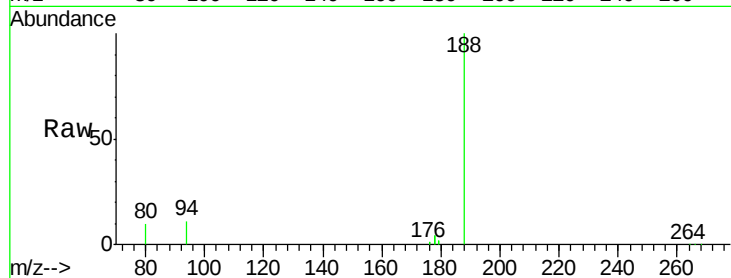
Tot Ion:178 Resp: 5380

Ion Ratio Lower Upper

178 100

176 33.5 15.8 23.8#

179 51.0 13.3 19.9#



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

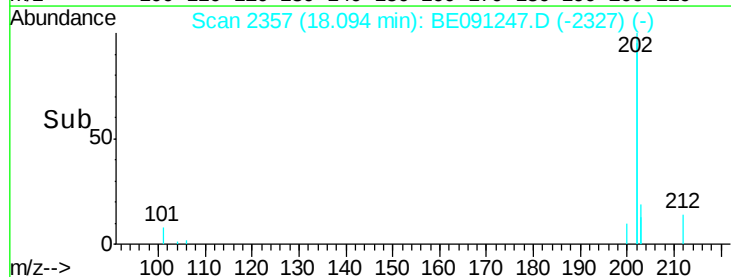
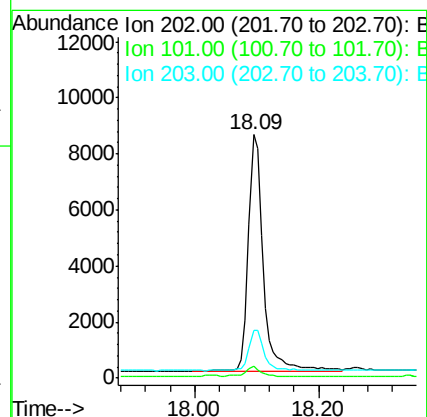
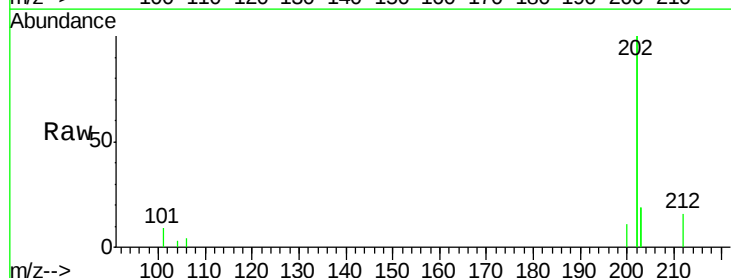
Tgt Ion:202 Resp: 14237

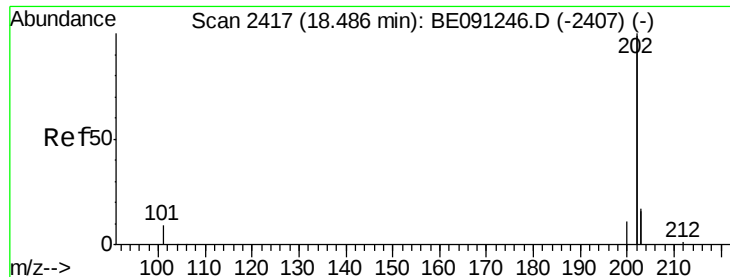
Ion Ratio Lower Upper

202 100

101 4.7 0.0 33.1

203 19.5 0.0 37.2





#19

Pvrene

Concen: 0.13 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

Instrument :

BNA_E

ClientSampleId :

SBLK04

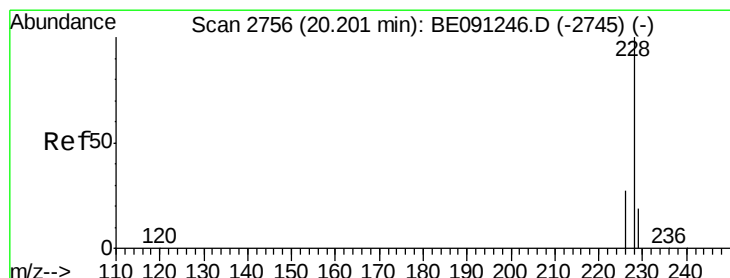
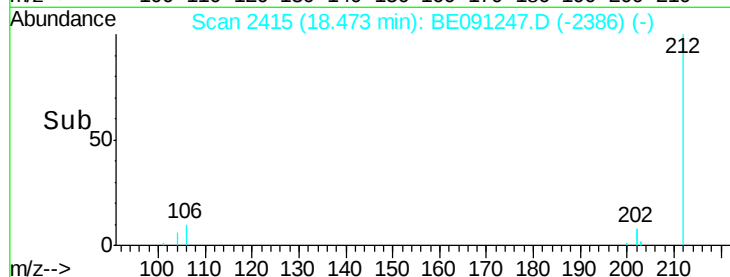
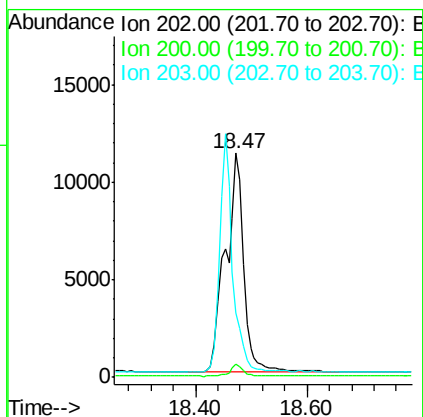
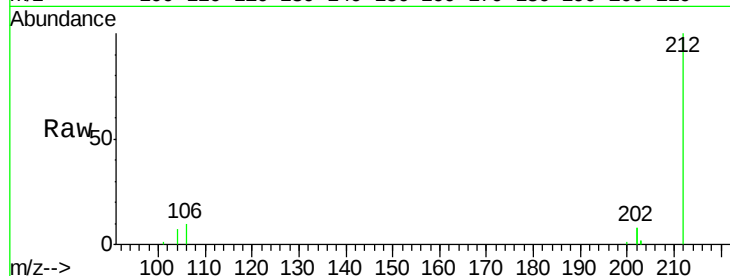
Tot Ion:202 Resp: 25598

Ion Ratio Lower Upper

202 100

200 5.8 18.0 27.0#

203 28.7 13.8 20.6#



#20

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 20.21 min Scan# 2757

Delta R.T. 0.00 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

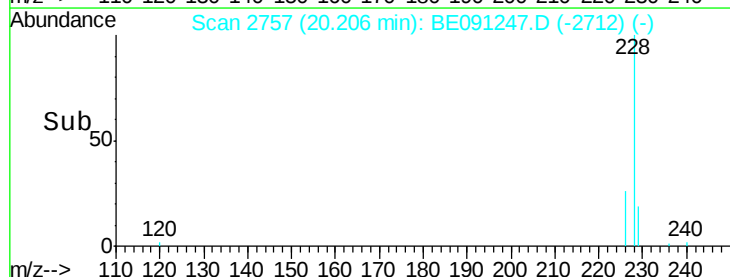
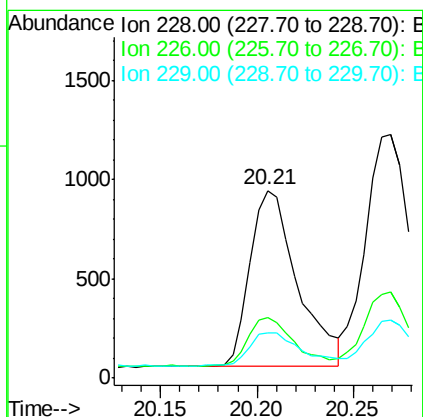
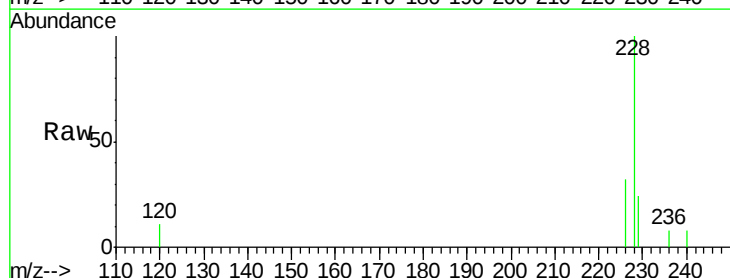
Tgt Ion:228 Resp: 1516

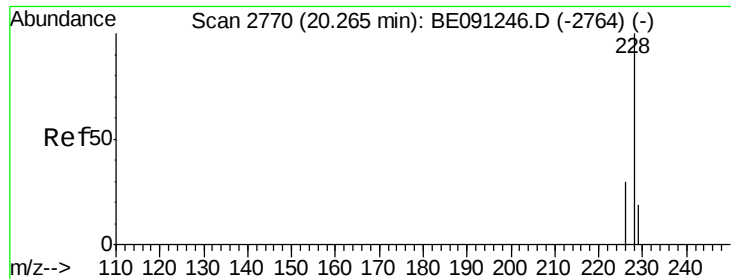
Ion Ratio Lower Upper

228 100

226 32.0 23.0 34.4

229 24.2 15.2 22.8#





#21

Chrysene

Concen: 0.04 ng/ul

RT: 20.27 min Scan# 2771

Delta R.T. 0.00 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

Instrument :

BNA_E

ClientSampleId :

SBLK04

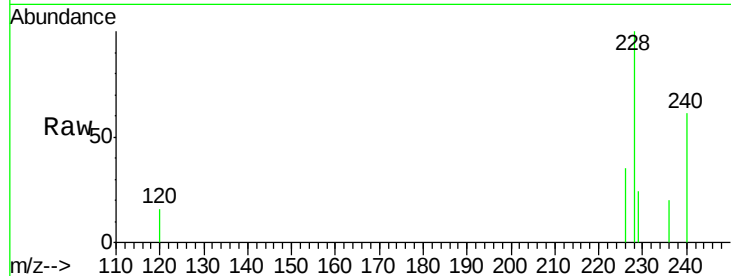
Tot Ion:228 Resp: 2221

Ion Ratio Lower Upper

228 100

226 35.2 25.7 38.5

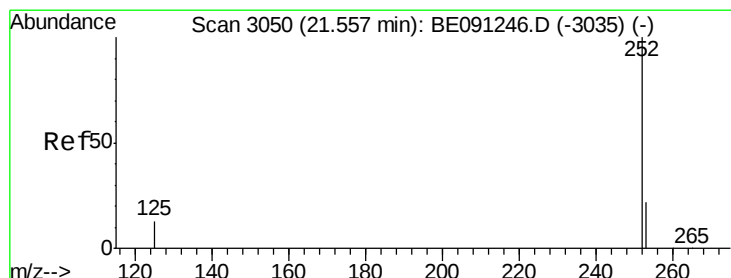
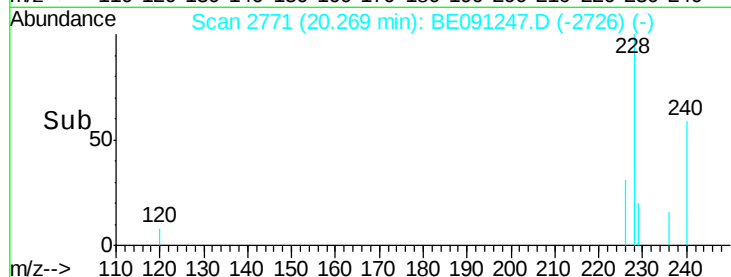
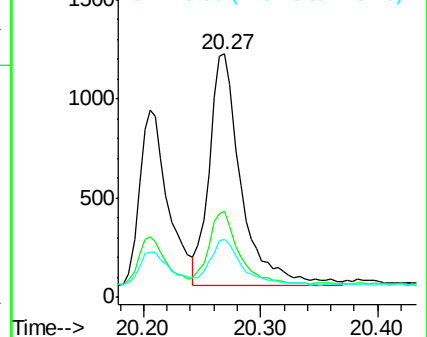
229 24.0 15.2 22.8#



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: 0.00 ng/ul

RT: 21.47 min Scan# 3031

Delta R.T. -0.09 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

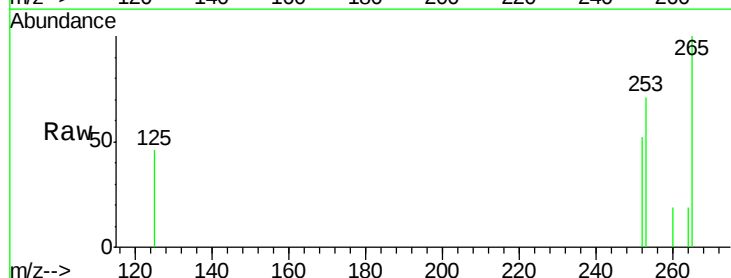
Tgt Ion:252 Resp: 14

Ion Ratio Lower Upper

252 100

253 136.3 0.0 48.0#

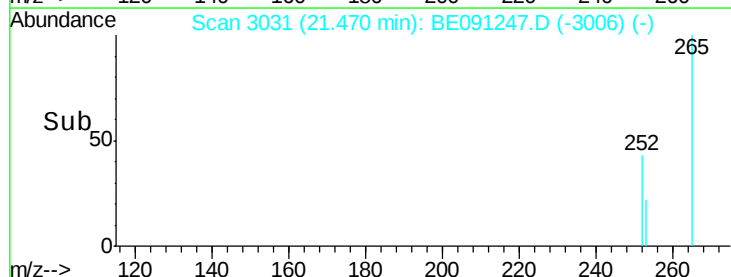
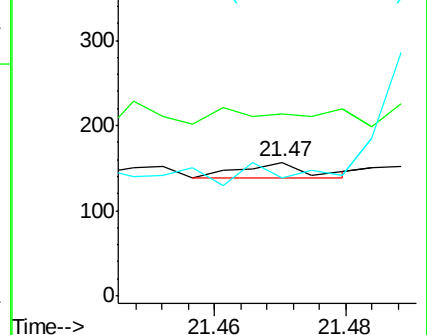
125 87.9 0.0 36.6#

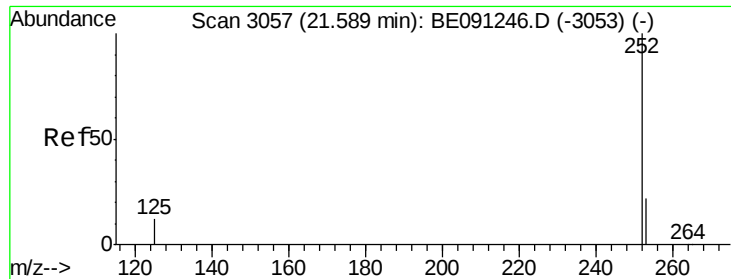


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.50 min Scan# 3038

Delta R.T. -0.09 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

Instrument :

BNA_E

ClientSampleId :

SBLK04

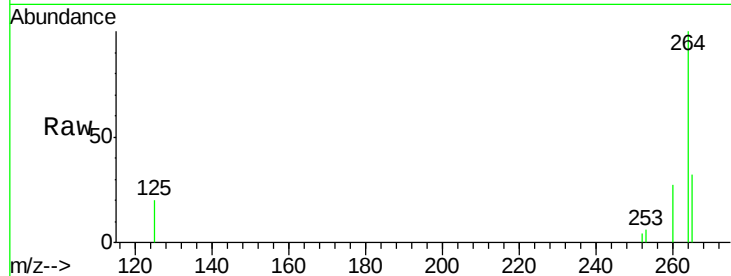
Tot Ion:252 Resp: 46

Ion Ratio Lower Upper

252 100

253 127.9 20.8 31.2#

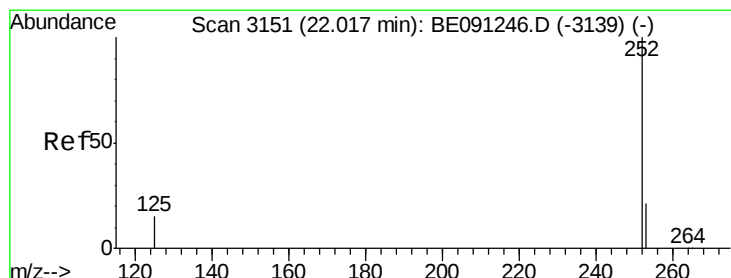
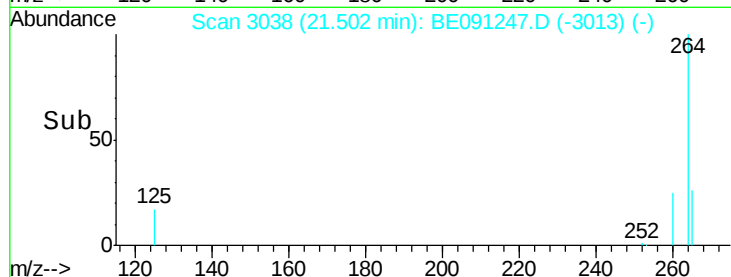
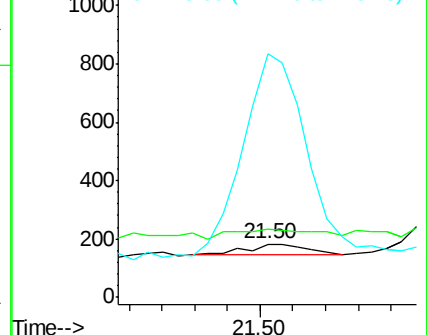
125 455.7 12.2 18.4#



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: 0.00 ng/ul

RT: 21.98 min Scan# 3143

Delta R.T. -0.04 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

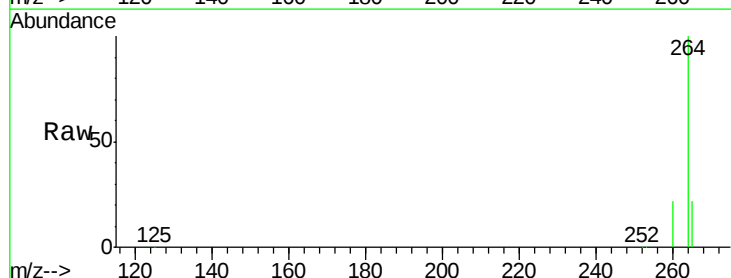
Tgt Ion:252 Resp: 5921

Ion Ratio Lower Upper

252 100

253 34.5 21.8 32.8#

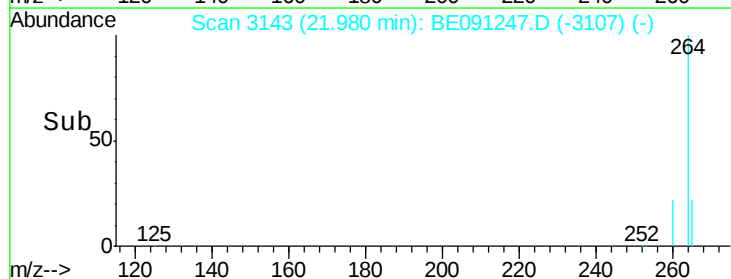
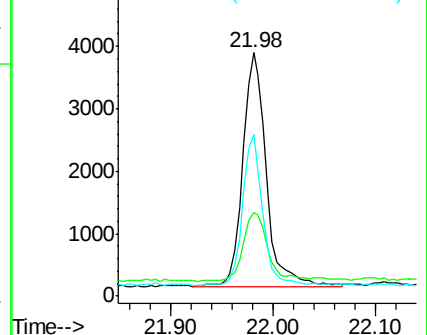
125 66.2 14.5 21.7#

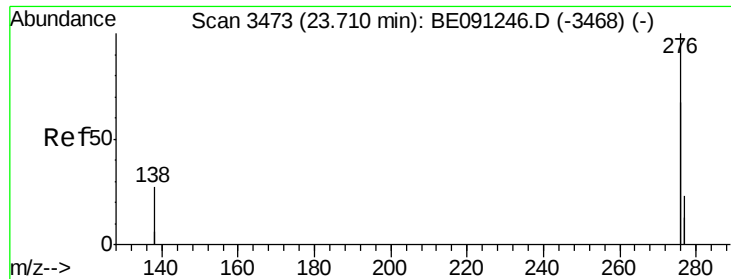


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.00 ng/ul

RT: 23.58 min Scan# 3453

Delta R.T. -0.13 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

Instrument :

BNA_E

ClientSampleId :

SBLK04

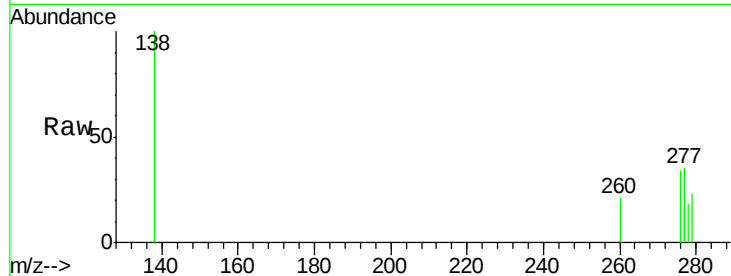
Tot Ion:276 Resp: 23

Ion Ratio Lower Upper

276 100

138 304.3 27.5 41.3#

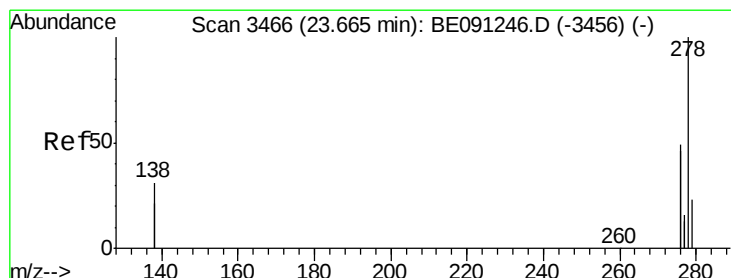
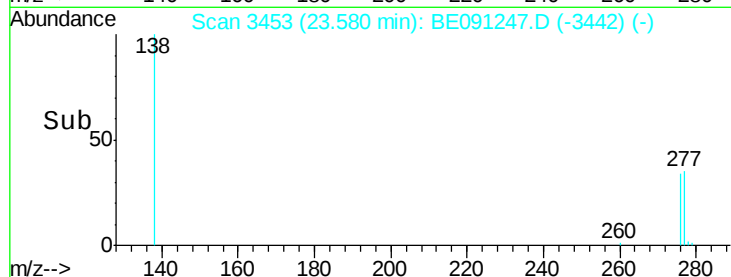
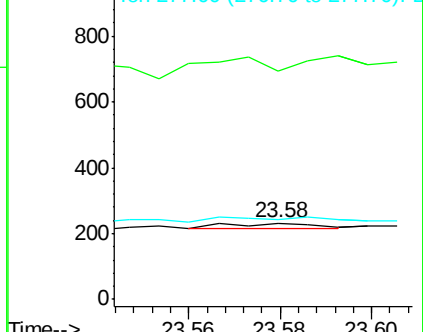
277 143.5 19.3 28.9#



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: 0.00 ng/ul

RT: 23.53 min Scan# 3446

Delta R.T. -0.13 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

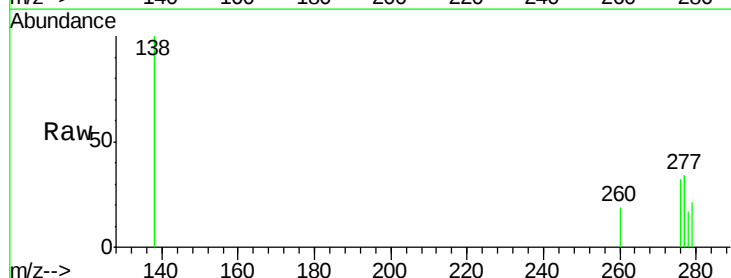
Tgt Ion:278 Resp: 19

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

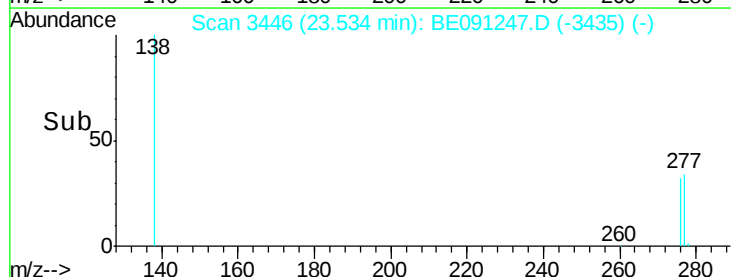
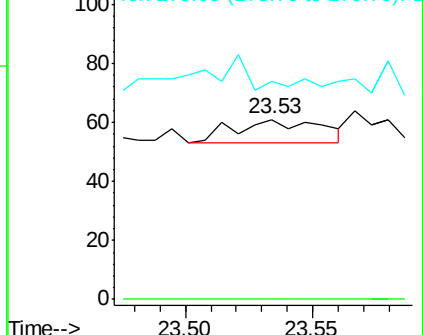
279 121.3 21.9 32.9#

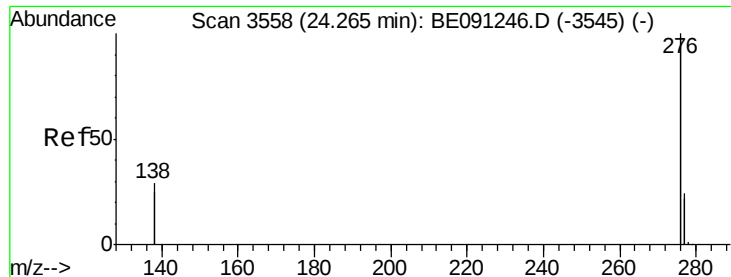


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.00 ng/ul

RT: 24.11 min Scan# 3534

Delta R.T. -0.16 min

Lab File: BE091247.D

Acq: 20 Nov 2015 15:43

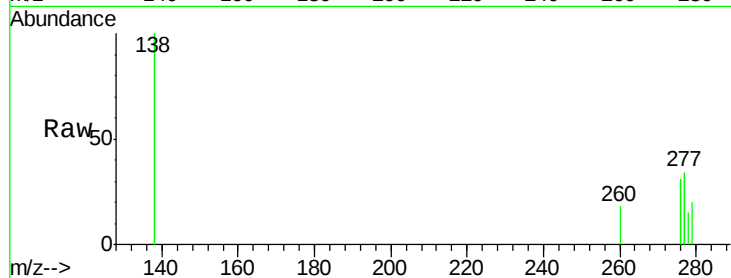
Instrument :

BNA_E

ClientSampleId :

SBLK04

Tot Ion:	276	Resp:	6
Ion	Ratio	Lower	Upper
276	100		
277	111.5	21.3	31.9#
138	325.7	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

