

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091274.D
 Acq On : 21 Nov 2015 13:04
 Operator : UM/NP
 Sample : PB86604BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SBLK04

Quant Time: Nov 22 01:32:31 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 : Sun Nov 22 01:30:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2747	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.54	136	13207	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	6581	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1361257	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	18350	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	1620698	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.91	96	27589	13.96	ng/uL	-0.05
6) 2-Methylnaphthalene-d10	11.07	152	5465	0.30	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	17050	0.00	ng/ul	0.00

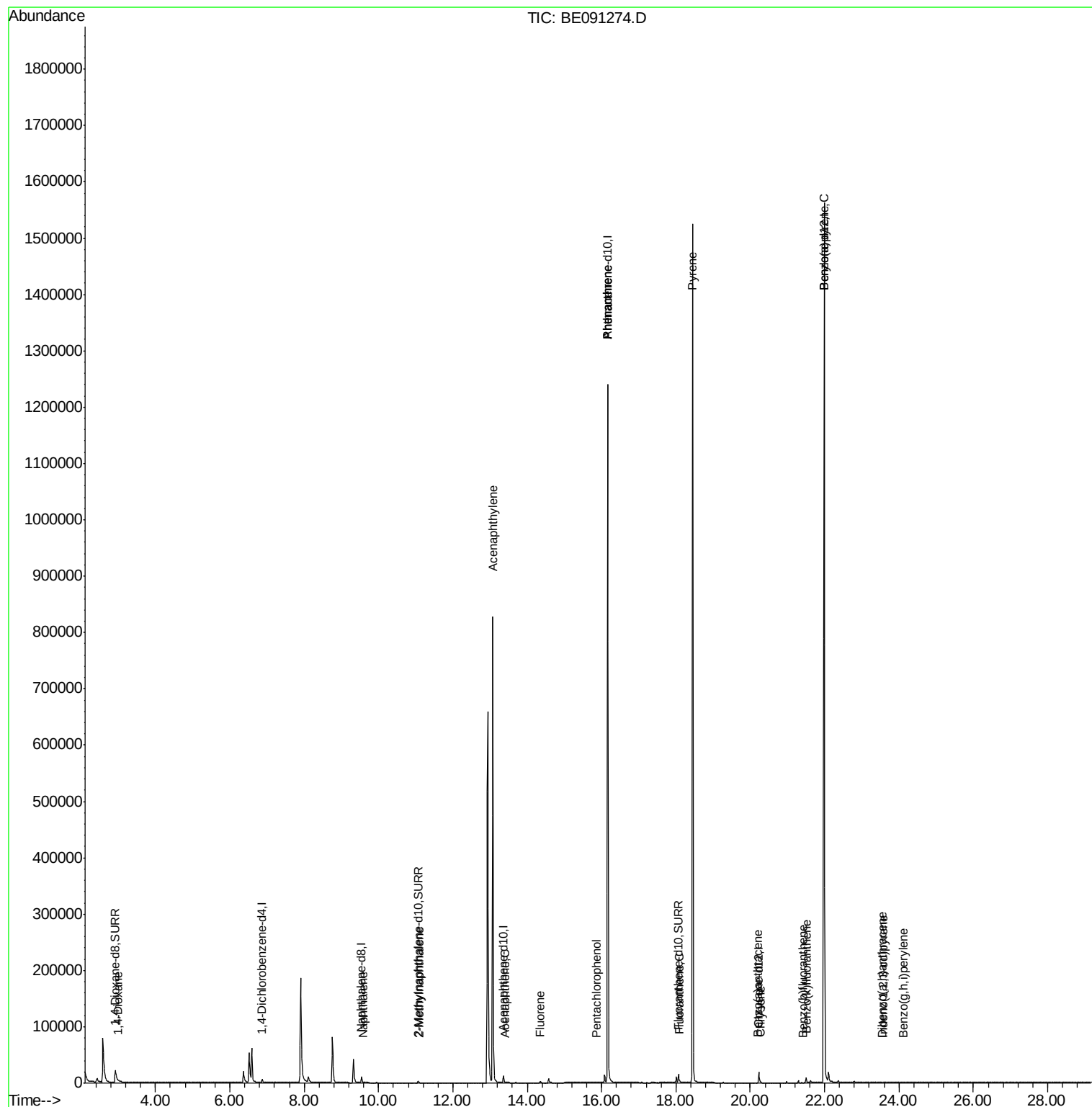
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.99	88	153	0.07	ng/ul#	24
5) Naphthalene	9.58	128	209	0.01	ng/ul#	1
7) 2-Methylnaphthalene	11.11	142	19	0.00	ng/ul	98
9) Acenaphthylene	13.08	152	146	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	34	0.00	ng/ul#	65
11) Fluorene	14.35	166	2468	0.09	ng/ul#	9
13) Pentachlorophenol	15.86	266	173	0.00	ng/ul	95
14) Phenanthrene	16.16	178	4156	0.00	ng/ul#	1
15) Anthracene	16.16	178	4069	0.00	ng/ul#	1
17) Fluoranthene	18.09	202	7333	0.00	ng/ul	85
19) Pyrene	18.45	202	18428	0.09	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	1361	0.03	ng/ul#	90
21) Chrysene	20.27	228	2176	0.04	ng/ul#	92
23) Benzo(b)fluoranthene	21.40	252	25	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.50	252	56	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	6612	0.00	ng/ul#	12
26) Indeno(1,2,3-cd)pyrene	23.57	276	63	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.55	278	8	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.11	276	9	0.00	ng/ul#	1

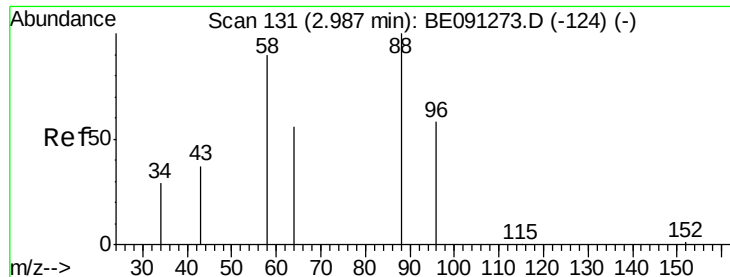
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.07 ng/ul

RT: 2.99 min Scan# 131

Delta R.T. -0.00 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

Instrument :

BNA_E

ClientSampleId :

SBLK04

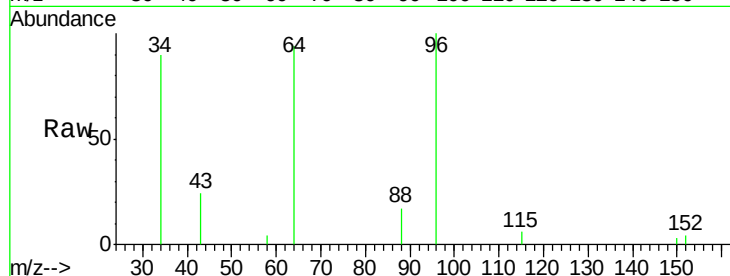
Tgt Ion: 88 Resp: 153

Ion Ratio Lower Upper

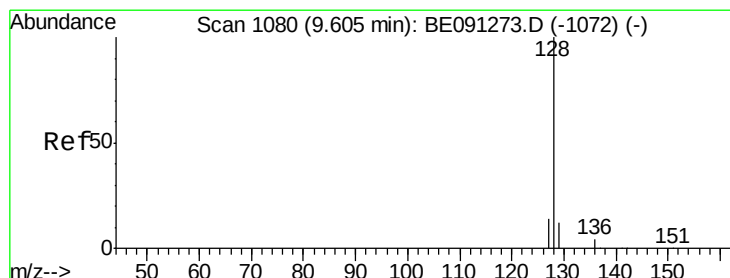
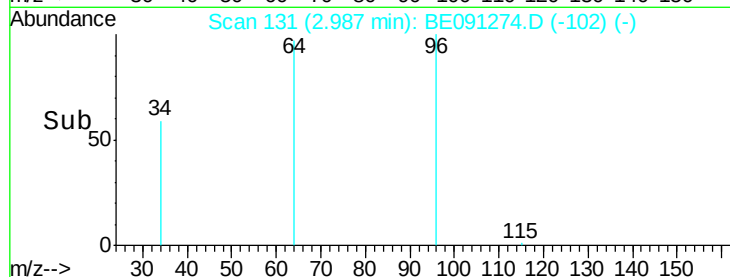
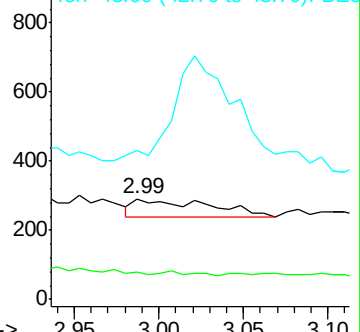
88 100

58 0.0 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: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

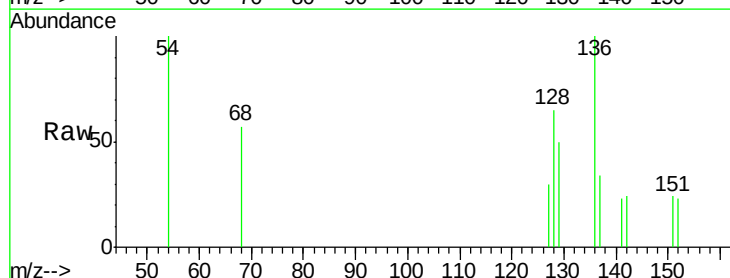
Tgt Ion: 128 Resp: 209

Ion Ratio Lower Upper

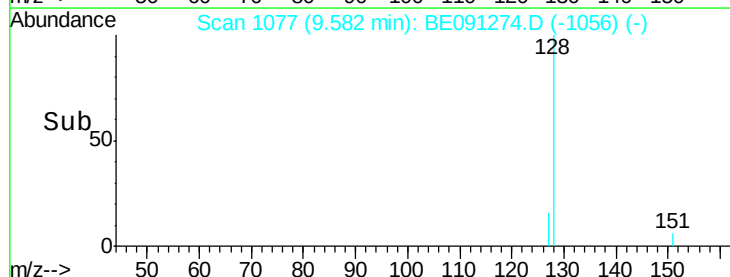
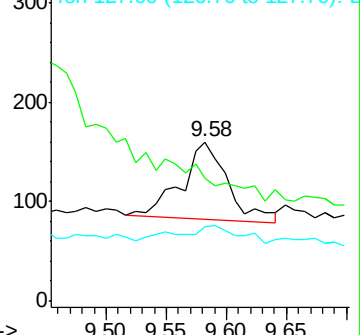
128 100

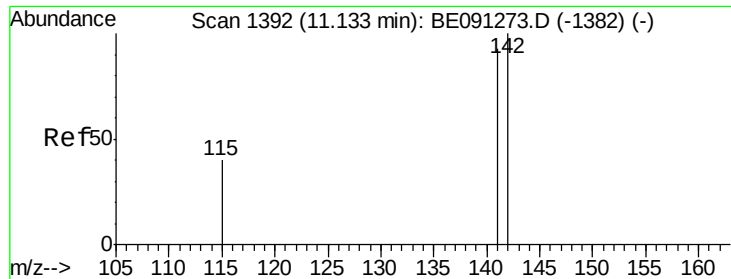
129 77.5 9.8 14.8#

127 46.3 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: 11.11 min Scan# 1386

Delta R.T. -0.03 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

Instrument :

BNA_E

ClientSampleId :

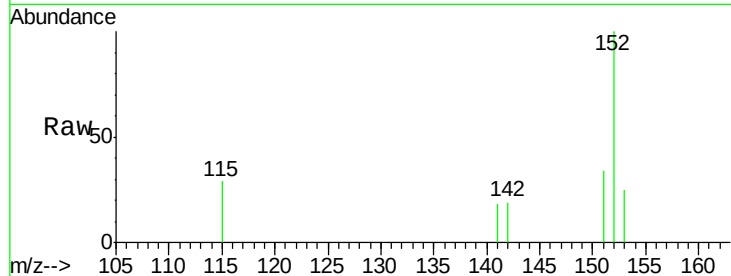
SBLK04

Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

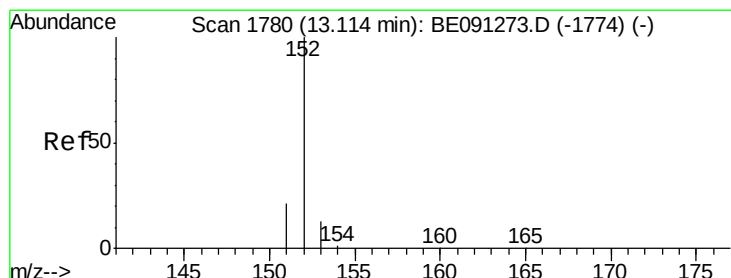
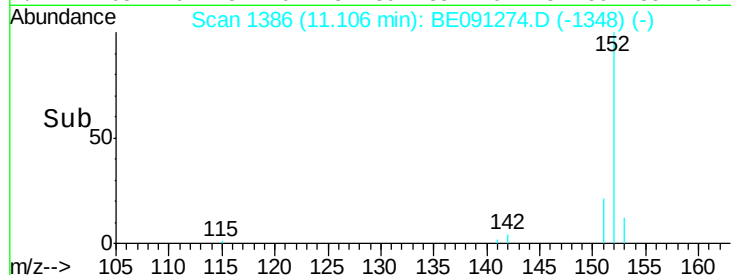
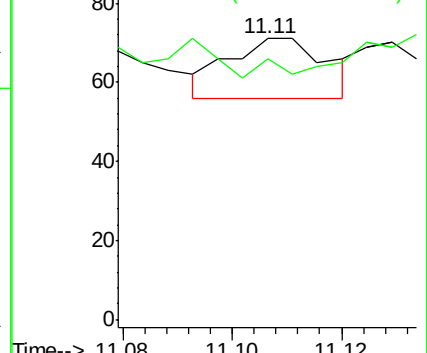
142 100

141 89.5 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: 0.00 ng/ul

RT: 13.08 min Scan# 1775

Delta R.T. -0.04 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

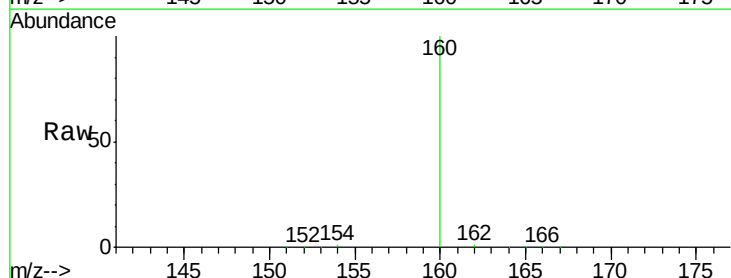
Tgt Ion:152 Resp: 146

Ion Ratio Lower Upper

152 100

151 63.6 16.8 25.2#

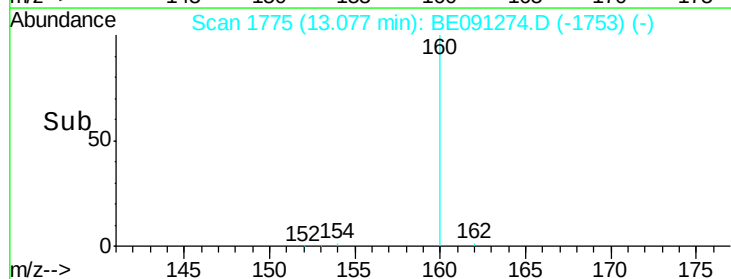
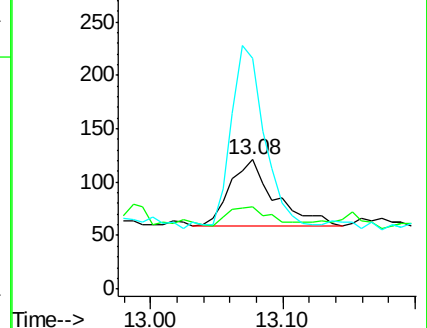
153 178.5 11.3 16.9#

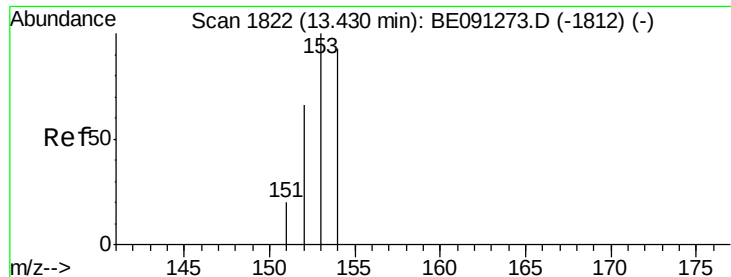


Abundance Ion 152.00 (151.70 to 152.70): E

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# 1820

Delta R.T. -0.01 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

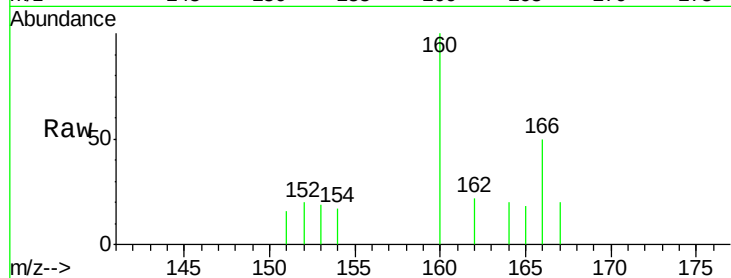
Instrument :

BNA_E

ClientSampleId :

SBLK04

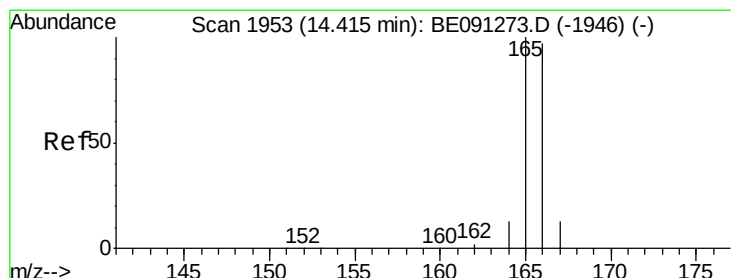
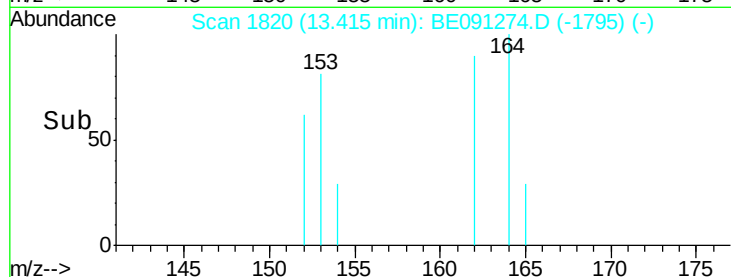
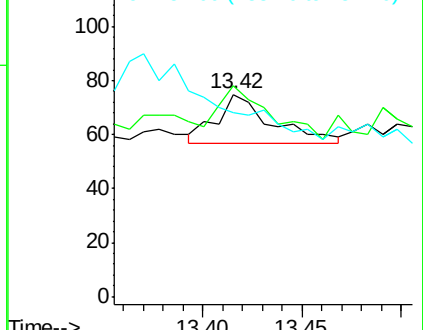
Tgt Ion:	153	Resp:	34
Ion	Ratio	Lower	Upper
153	100		
152	104.0	42.3	63.5#
154	90.7	64.7	97.1



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: 0.09 ng/ul

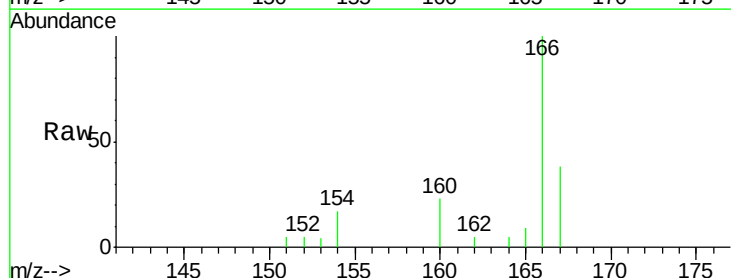
RT: 14.35 min Scan# 1944

Delta R.T. -0.07 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

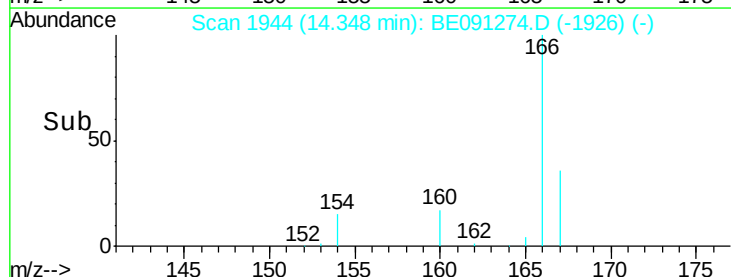
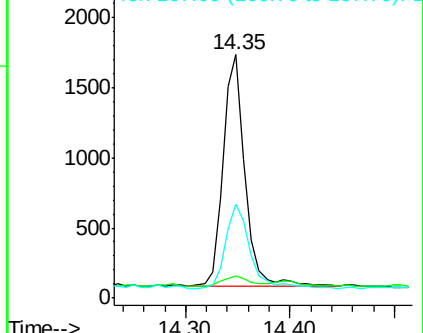
Tgt Ion:	166	Resp:	2468
Ion	Ratio	Lower	Upper
166	100		
165	9.3	87.6	131.4#
167	38.4	11.1	16.7#

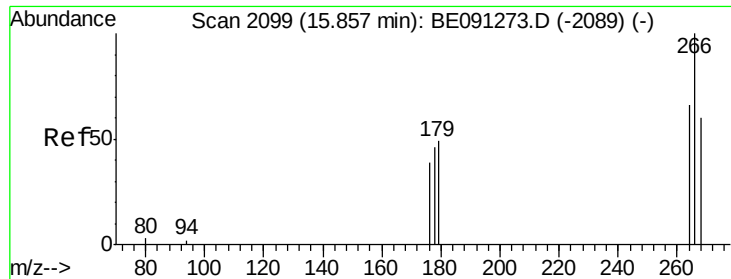


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

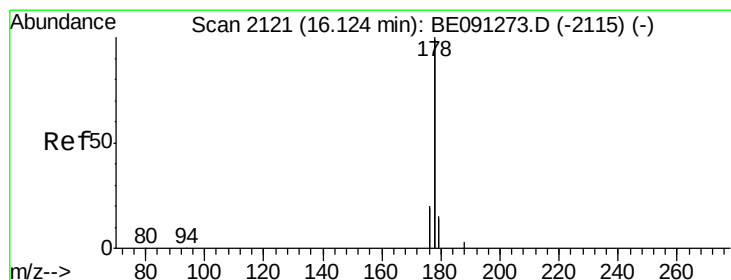
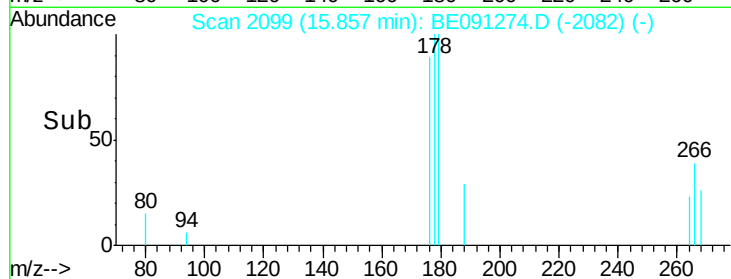
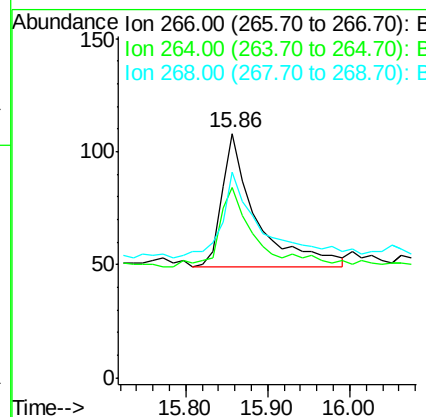
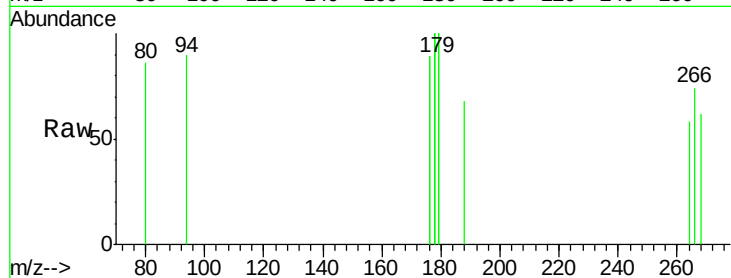




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BE091274.D
 Acq: 21 Nov 2015 13:04

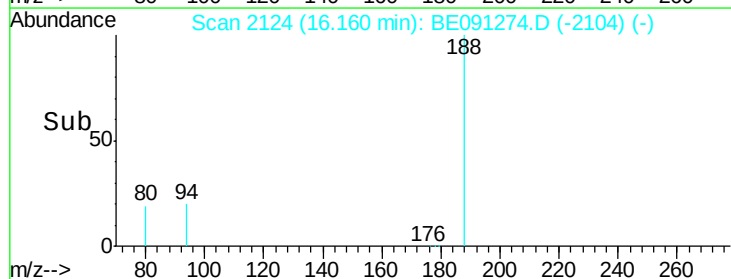
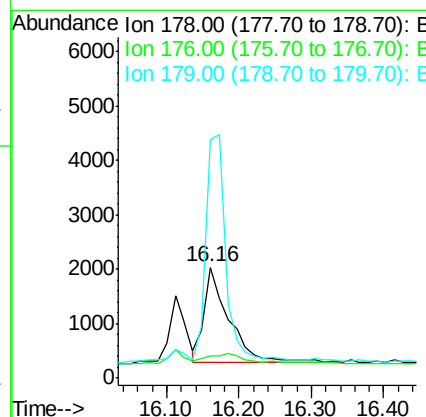
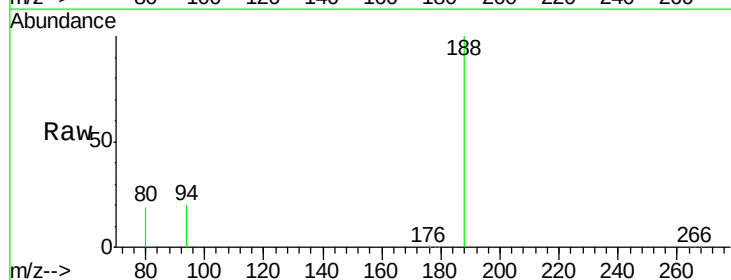
Instrument :
 BNA_E
 ClientSampleId :
 SBLK04

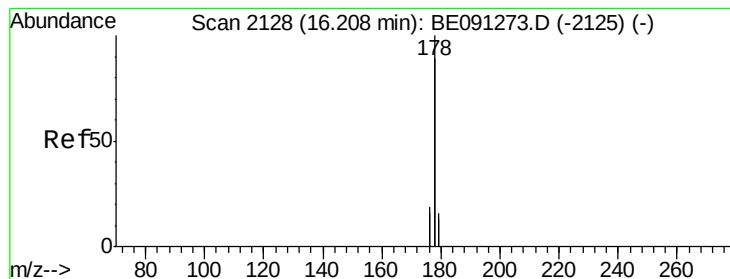
Tgt Ion: 266 Resp: 173
 Ion Ratio Lower Upper
 266 100
 264 64.7 53.5 80.3
 268 74.0 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091274.D
 Acq: 21 Nov 2015 13:04

Tgt Ion: 178 Resp: 4156
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.2 24.4
 179 214.9 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.16 min Scan# 2124

Delta R.T. -0.05 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

Instrument :

BNA_E

ClientSampleId :

SBLK04

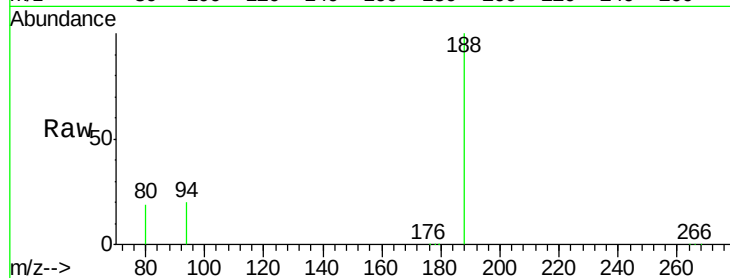
Tgt Ion:178 Resp: 4069

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

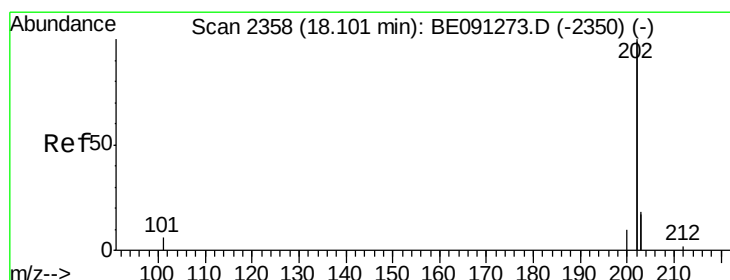
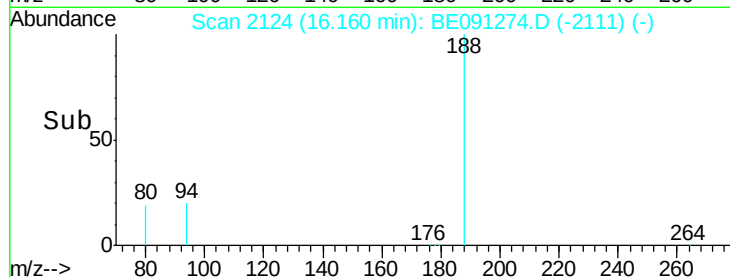
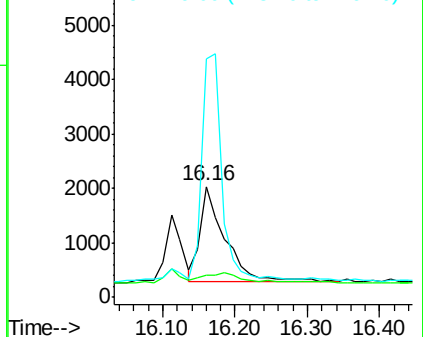
179 214.9 13.3 19.9#



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: 0.00 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

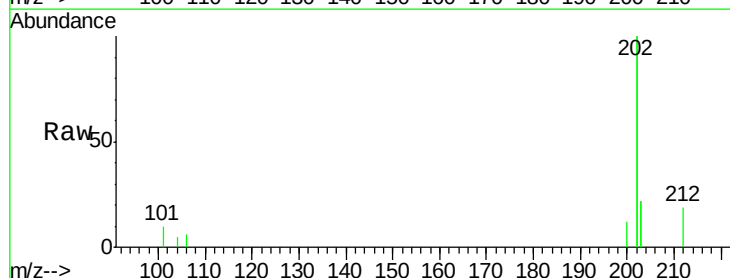
Tgt Ion:202 Resp: 7333

Ion Ratio Lower Upper

202 100

101 4.8 0.0 33.1

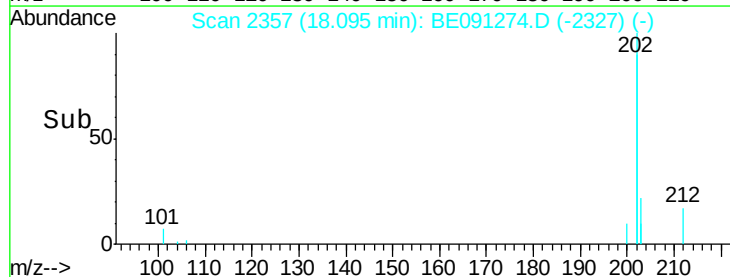
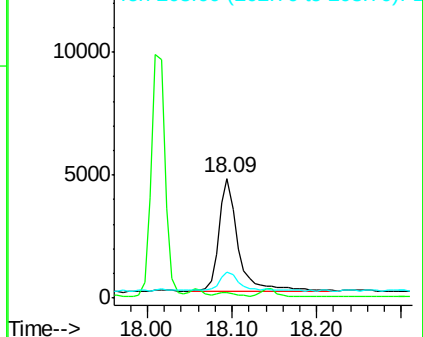
203 21.6 0.0 37.2

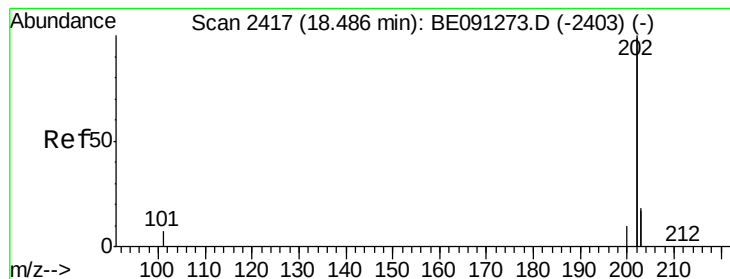


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.09 ng/ul

RT: 18.45 min Scan# 2411

Delta R.T. -0.04 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

Instrument :

BNA_E

ClientSampleId :

SBLK04

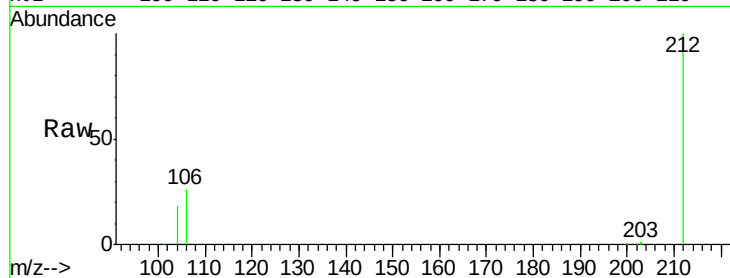
Tgt Ion:202 Resp: 18428

Ion Ratio Lower Upper

202 100

200 1.7 18.0 27.0#

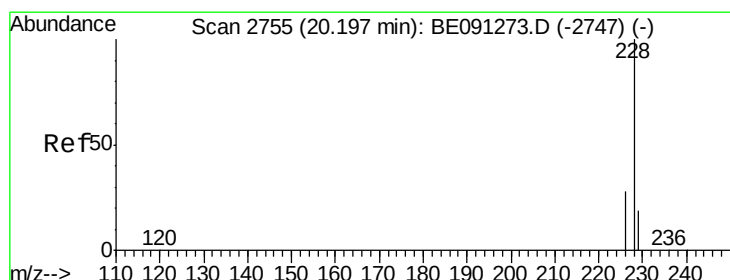
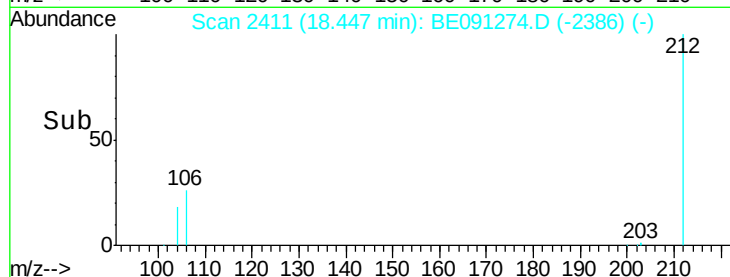
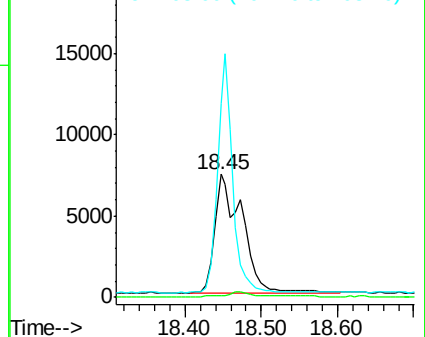
203 157.7 13.8 20.6#



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: 0.03 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

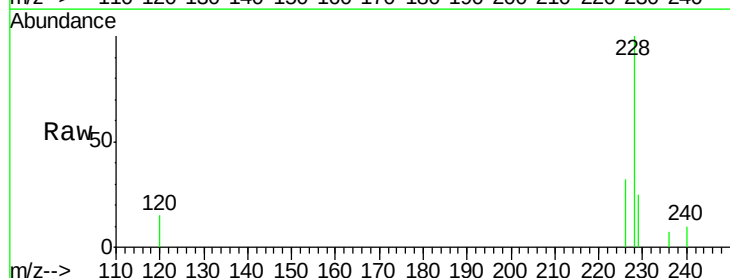
Tgt Ion:228 Resp: 1361

Ion Ratio Lower Upper

228 100

226 32.3 23.0 34.4

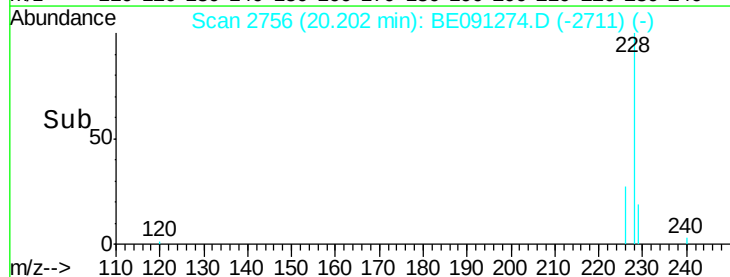
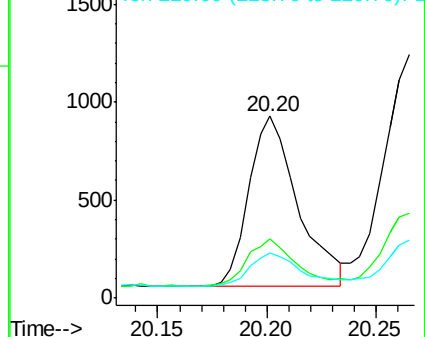
229 25.2 15.2 22.8#

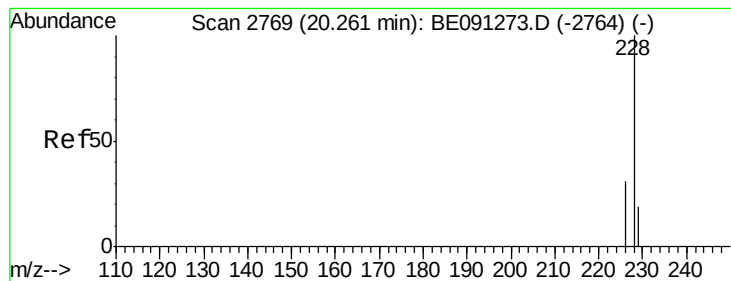


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.04 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

Instrument :

BNA_E

ClientSampleId :

SBLK04

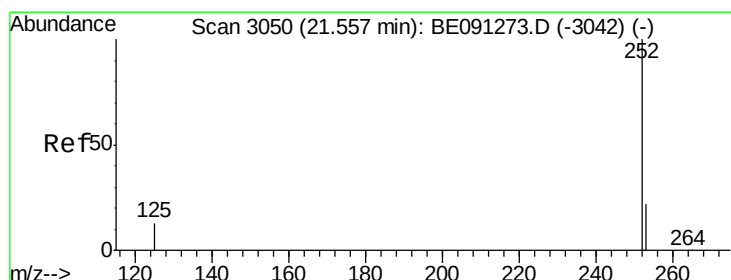
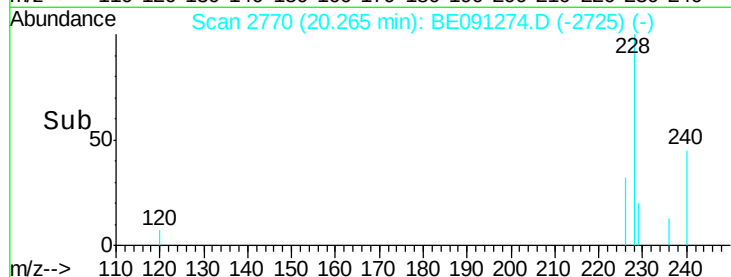
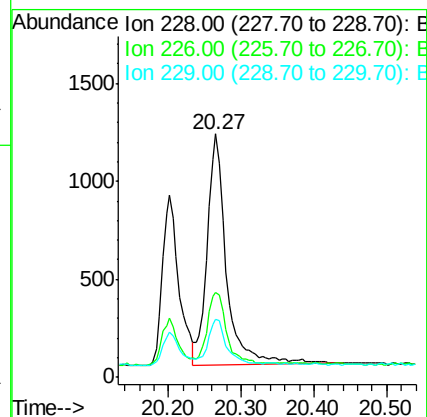
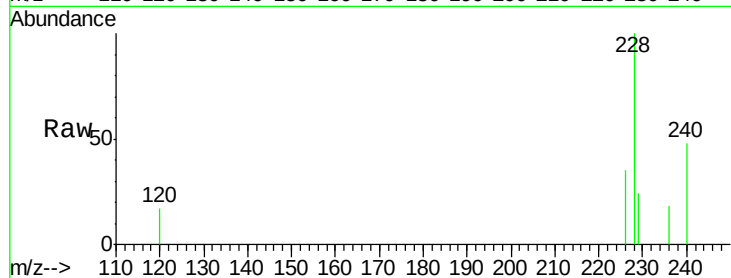
Tgt Ion:228 Resp: 2176

Ion Ratio Lower Upper

228 100

226 35.1 25.7 38.5

229 24.1 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.40 min Scan# 3015

Delta R.T. -0.16 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

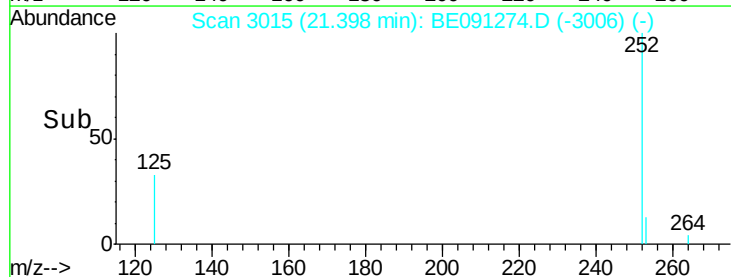
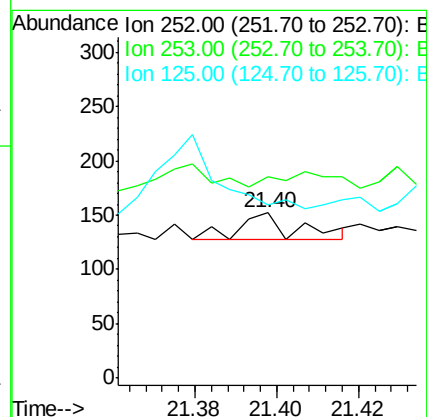
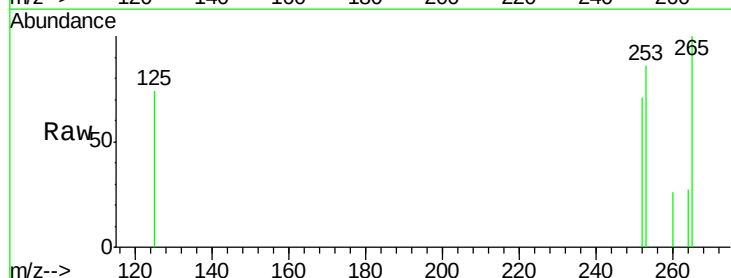
Tgt Ion:252 Resp: 25

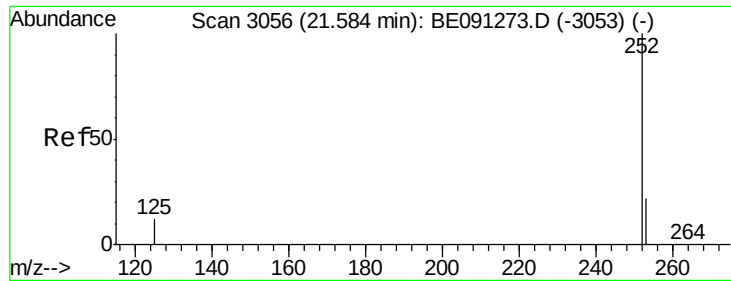
Ion Ratio Lower Upper

252 100

253 121.7 0.0 48.0#

125 104.6 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.50 min Scan# 3038

Delta R.T. -0.08 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

Instrument :

BNA_E

ClientSampleId :

SBLK04

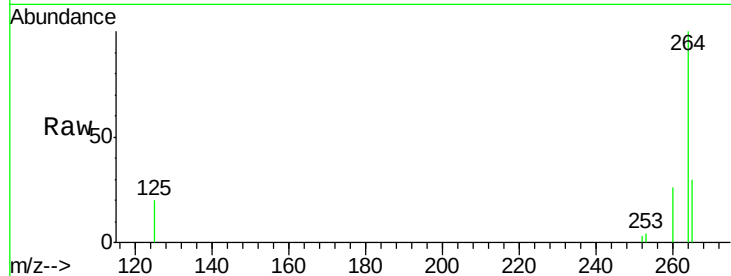
Tgt Ion:252 Resp: 56

Ion Ratio Lower Upper

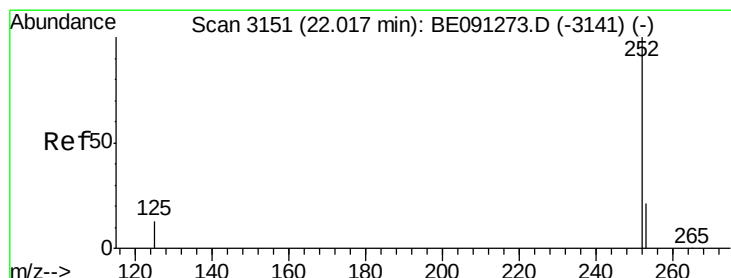
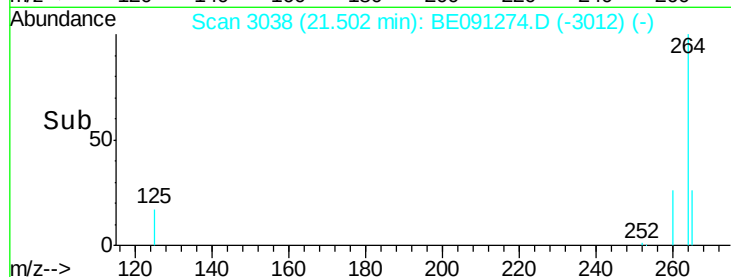
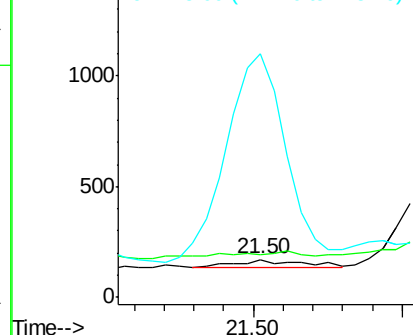
252 100

253 113.5 20.8 31.2#

125 642.7 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: BE091274.D

Acq: 21 Nov 2015 13:04

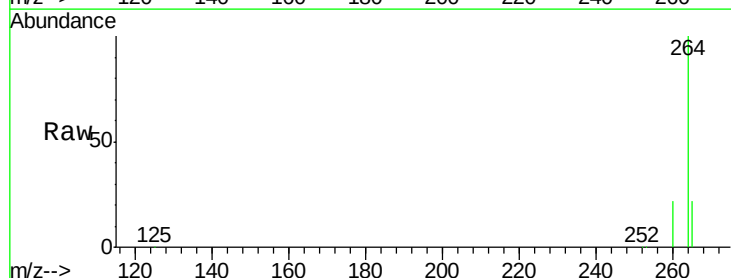
Tgt Ion:252 Resp: 6612

Ion Ratio Lower Upper

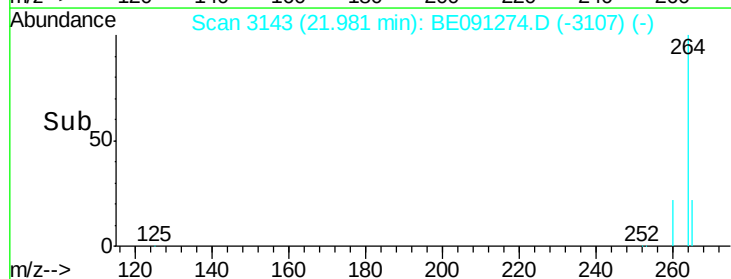
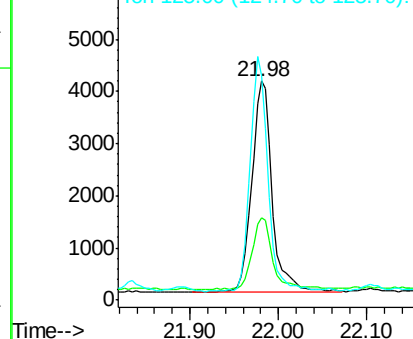
252 100

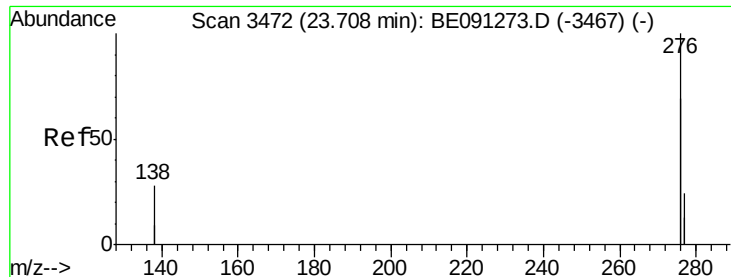
253 37.9 21.8 32.8#

125 102.5 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: 23.57 min Scan# 3451

Delta R.T. -0.14 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

Instrument :

BNA_E

ClientSampleId :

SBLK04

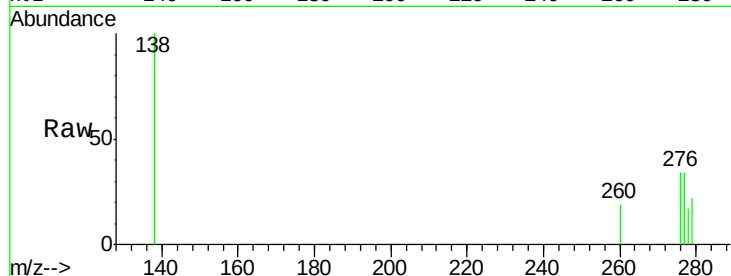
Tgt Ion:276 Resp: 63

Ion Ratio Lower Upper

276 100

138 300.0 27.5 41.3#

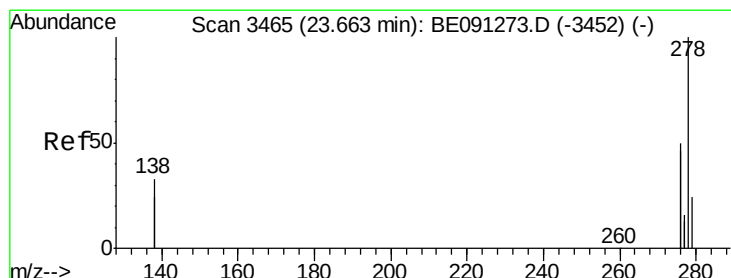
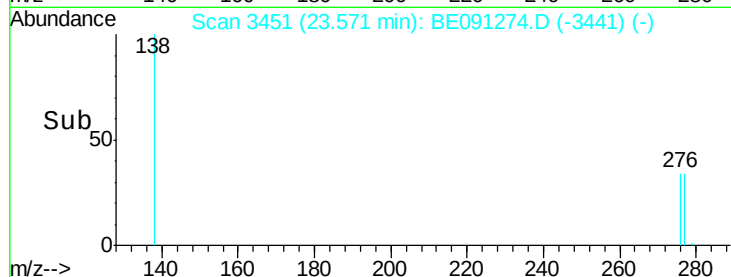
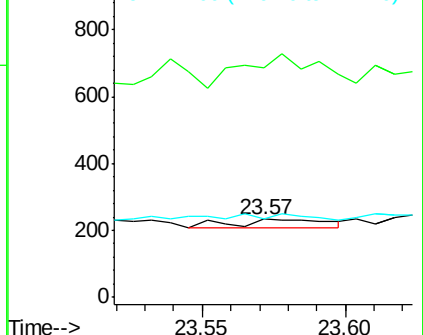
277 22.2 19.3 28.9



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: 23.55 min Scan# 3447

Delta R.T. -0.12 min

Lab File: BE091274.D

Acq: 21 Nov 2015 13:04

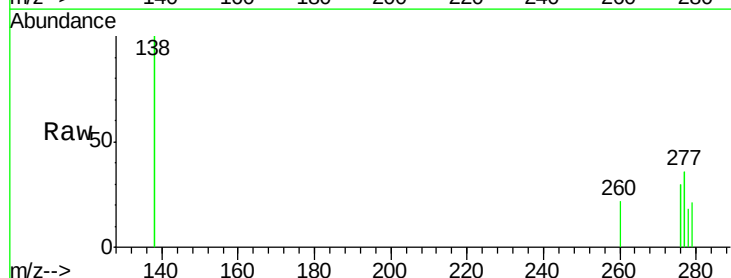
Tgt Ion:278 Resp: 8

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

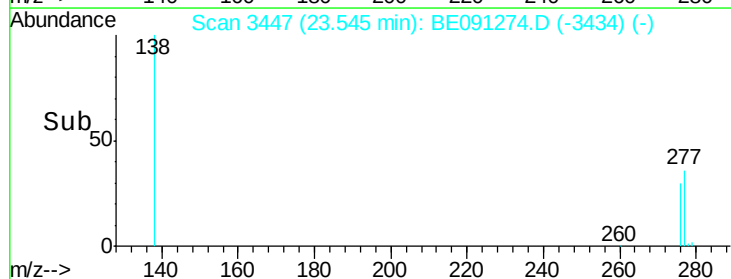
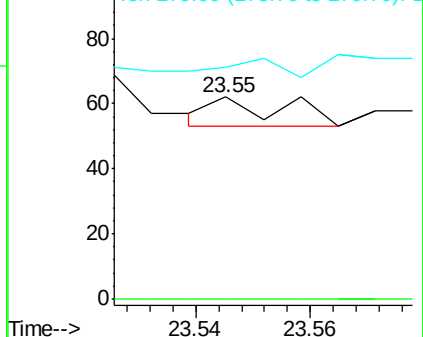
279 114.5 21.9 32.9#

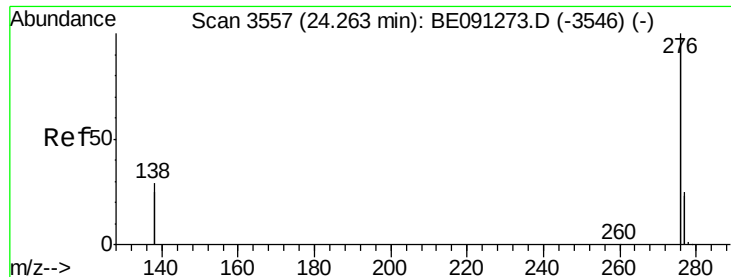


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng/ul

RT: 24.11 min Scan# 3534

Delta R.T. -0.15 min

Lab File: BE091274.D

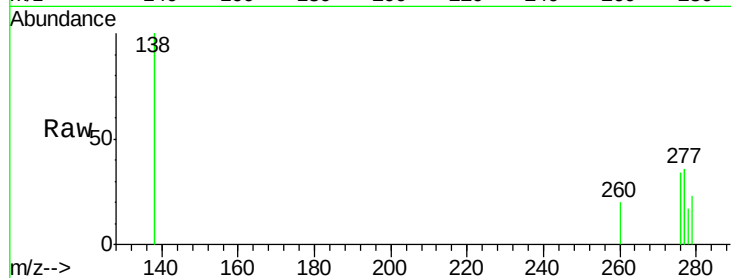
Acq: 21 Nov 2015 13:04

Instrument :

BNA_E

ClientSampleId :

SBLK04



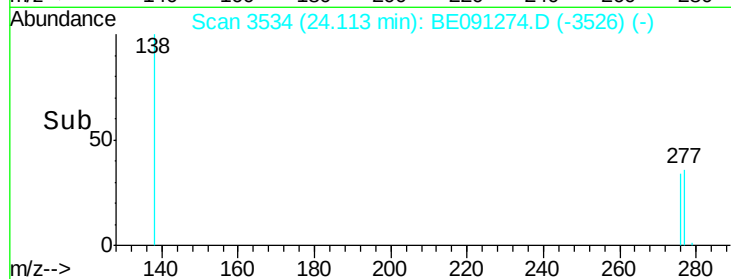
Tgt Ion: 276 Resp: 9

Ion Ratio Lower Upper

276 100

277 105.2 21.3 31.9#

138 294.0 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

