

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010215\
 Data File : Be089303.d
 Acq On : 2 Jan 2015 11:30
 Operator : TP/IZ
 Sample : PB81157BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SBLK81

Quant Time: Jan 02 22:09:47 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE123014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 02 22:03:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1712	0.40	ng/ul	0.00
4) Naphthalene-d8	8.52	136	6895	0.40	ng/ul	0.01
8) Acenaphthene-d10	10.66	164	3560	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	5150	0.40	ng/ul	0.00
18) Chrysene-d12	18.06	240	3198	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2317	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.16	96	5100	1.98	ng/uL	0.00
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.93	212	50	0.01	ng/ul	0.01

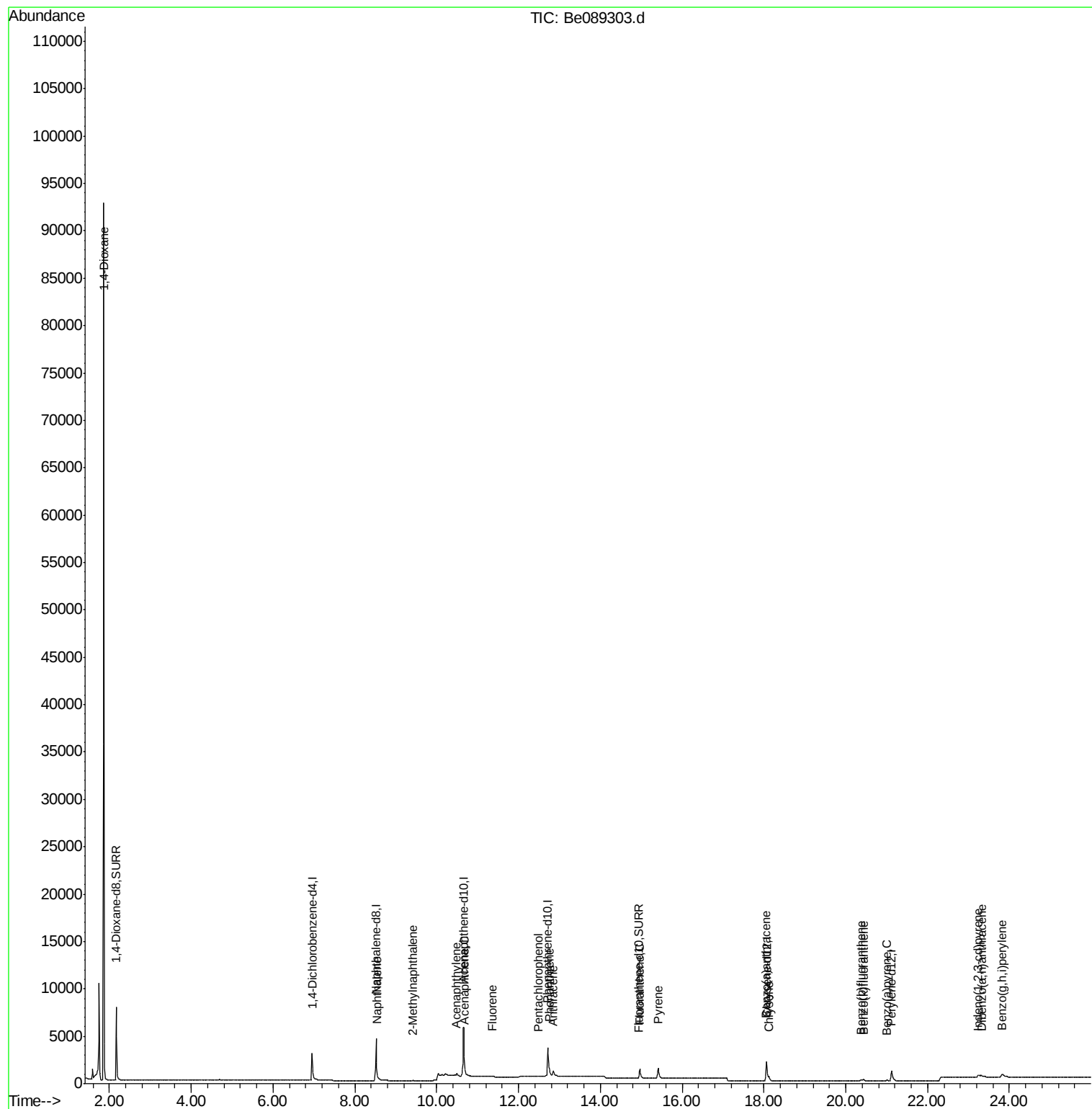
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	1.86	88	2762	0.96	ng/ul#	1
5) Naphthalene	8.54	128	48	0.00	ng/ul#	1
7) 2-Methylnaphthalene	9.42	142	67	0.01	ng/ul	84
9) Acenaphthylene	10.48	152	365	0.01	ng/ul#	14
10) Acenaphthene	10.69	153	302	0.01	ng/ul#	55
11) Fluorene	11.36	166	75	0.01	ng/ul#	75
13) Pentachlorophenol	12.48	266	4	0.01	ng/ul#	55
14) Phenanthrene	12.75	178	872	0.02	ng/ul#	38
15) Anthracene	12.85	178	1099	0.02	ng/ul#	44
17) Fluoranthene	14.97	202	1991	0.04	ng/ul	72
19) Pyrene	15.42	202	2228	0.05	ng/ul#	75
20) Benzo(a)anthracene	18.05	228	400	0.06	ng/ul#	73
21) Chrysene	18.12	228	622	0.07	ng/ul#	77
23) Benzo(b)fluoranthene	20.37	252	286	0.05	ng/ul#	56
24) Benzo(k)fluoranthene	20.43	252	497	0.07	ng/ul#	60
25) Benzo(a)pyrene	21.01	252	274	0.05	ng/ul#	47
26) Indeno(1,2,3-cd)pyrene	23.24	276	1245	0.08	ng/ul#	75
27) Dibenzo(a,h)anthracene	23.32	278	185	0.04	ng/ul#	28
28) Benzo(g,h,i)perylene	23.82	276	1307	0.06	ng/ul#	46

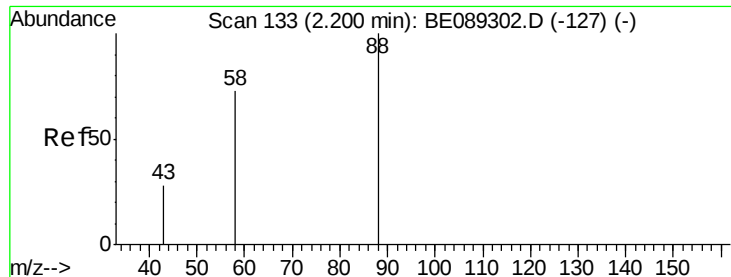
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.96 ng/ul

RT: 1.86 min Scan# 77

Delta R.T. -0.34 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

Instrument :

BNA_E

ClientSampleId :

SBLK81

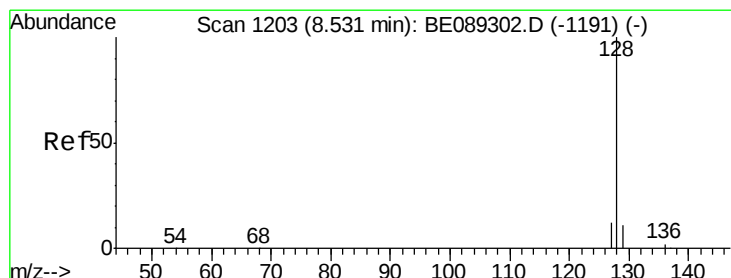
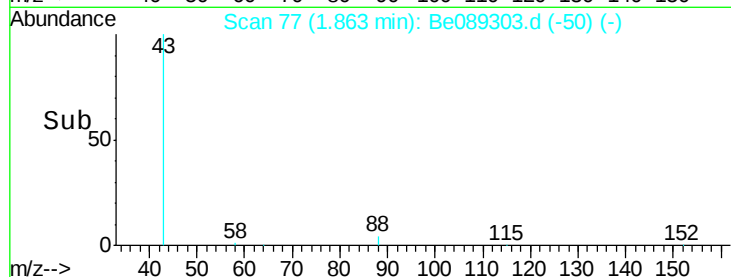
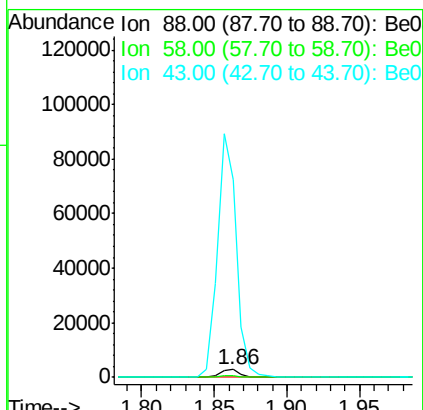
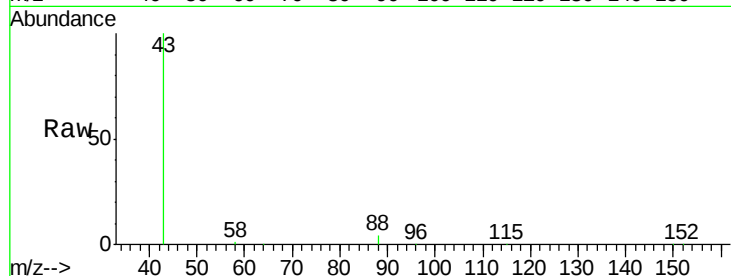
Tgt Ion: 88 Resp: 2762

Ion Ratio Lower Upper

88 100

58 26.2 61.5 92.3#

43 2931.8 23.9 35.9#



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 8.54 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

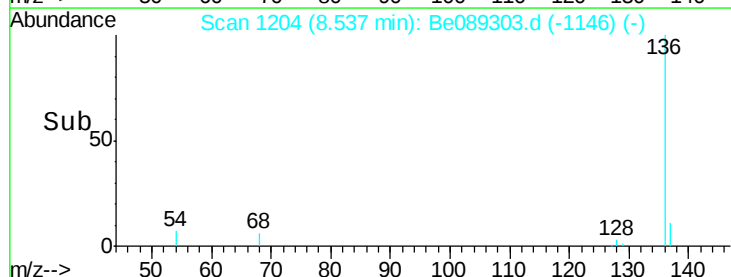
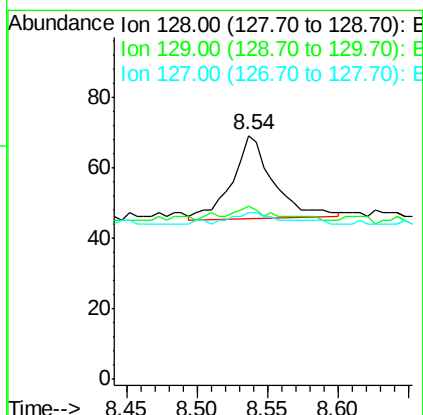
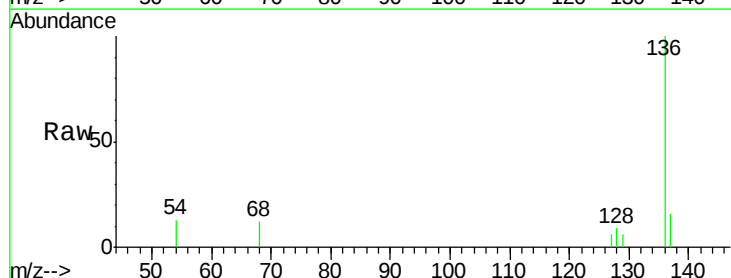
Tgt Ion: 128 Resp: 48

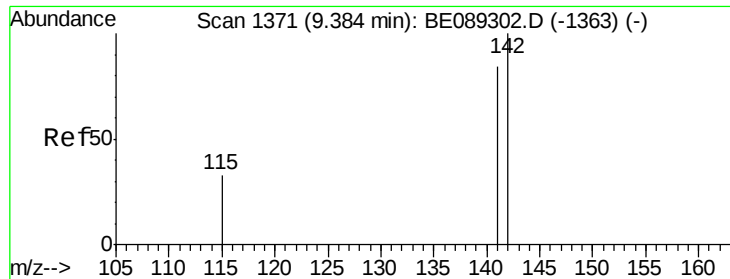
Ion Ratio Lower Upper

128 100

129 71.0 9.1 13.7#

127 68.1 10.0 15.0#





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.42 min Scan# 1379

Delta R.T. 0.04 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

Instrument :

BNA_E

ClientSampleId :

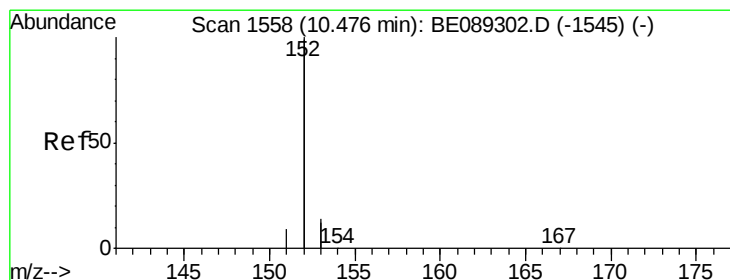
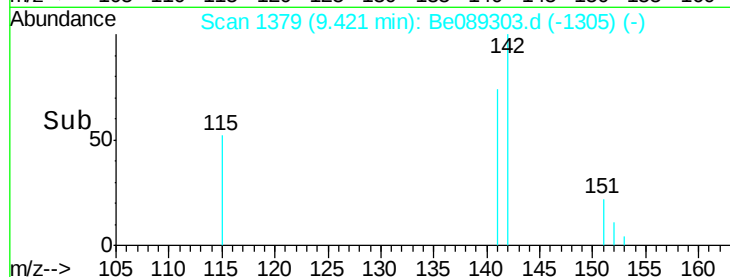
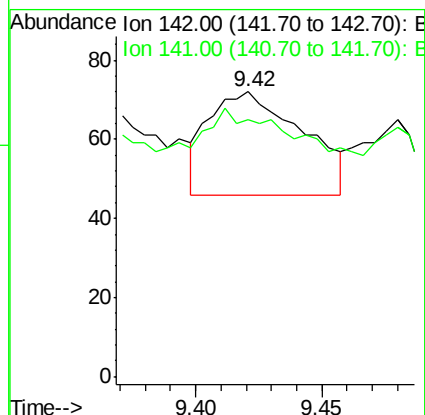
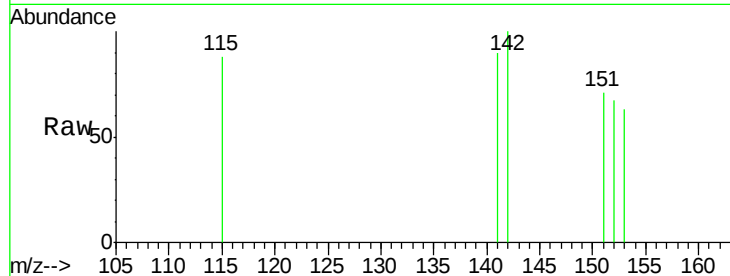
SBLK81

Tgt Ion:142 Resp: 67

Ion Ratio Lower Upper

142 100

141 67.2 65.4 98.0



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 10.48 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

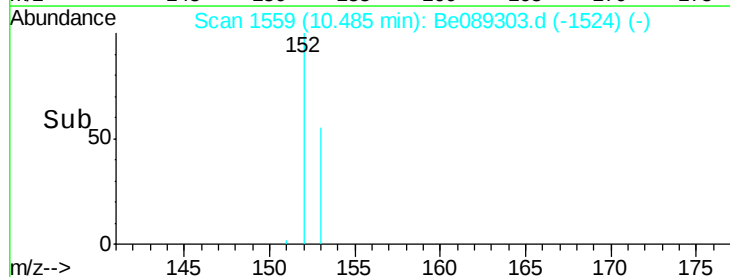
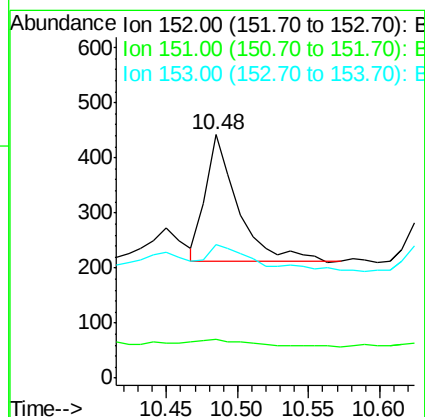
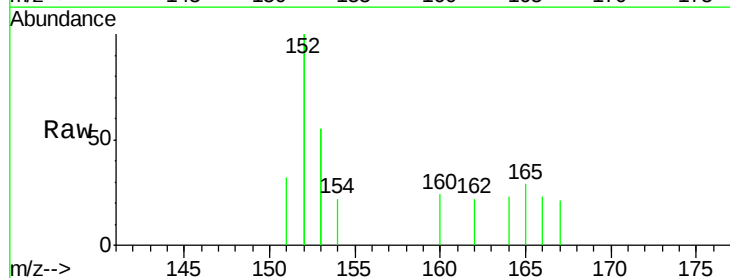
Tgt Ion:152 Resp: 365

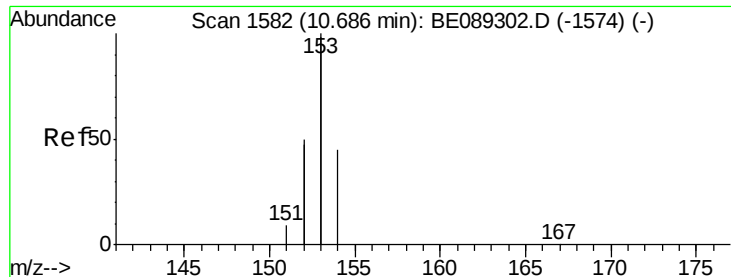
Ion Ratio Lower Upper

152 100

151 16.1 4.0 6.0#

153 54.8 10.1 15.1#





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 10.69 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

Instrument :

BNA_E

ClientSampleId :

SBLK81

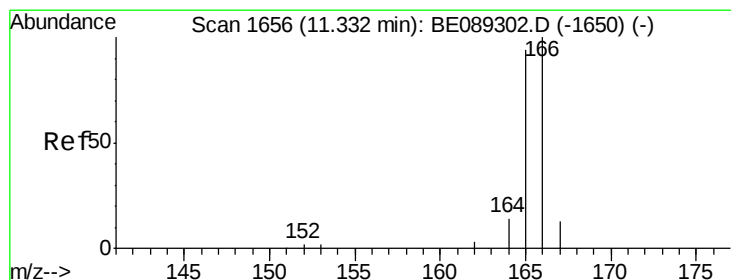
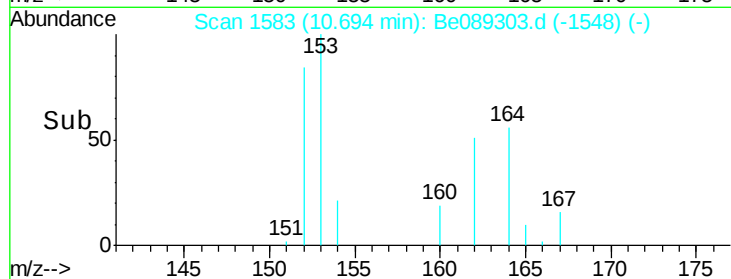
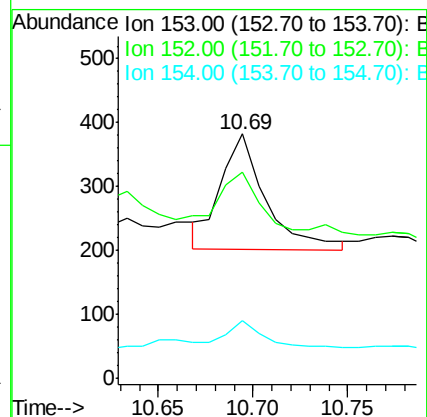
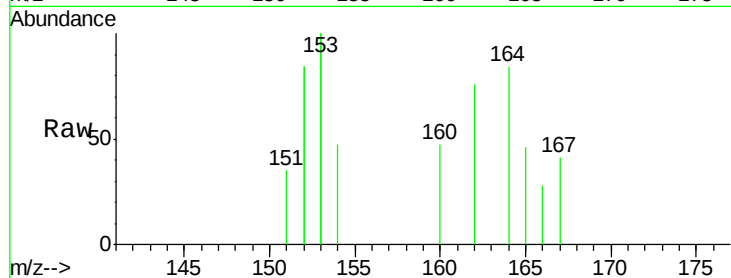
Tgt Ion:153 Resp: 302

Ion Ratio Lower Upper

153 100

152 84.3 32.6 49.0#

154 23.3 21.8 32.6



#11

Fluorene

Concen: 0.01 ng/ul

RT: 11.36 min Scan# 1659

Delta R.T. 0.03 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

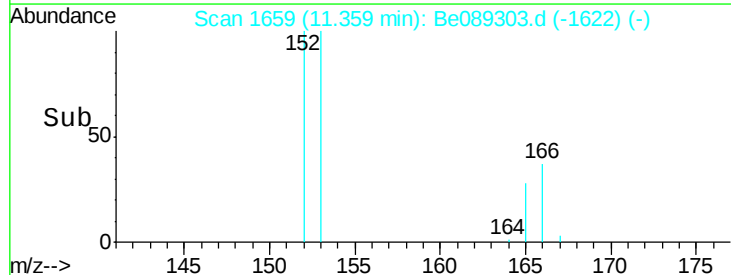
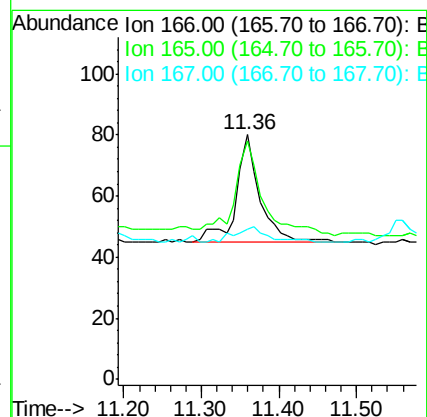
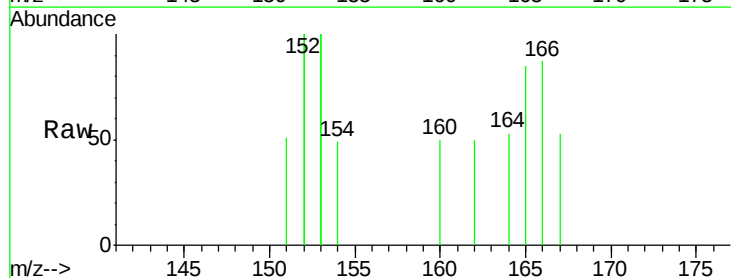
Tgt Ion:166 Resp: 75

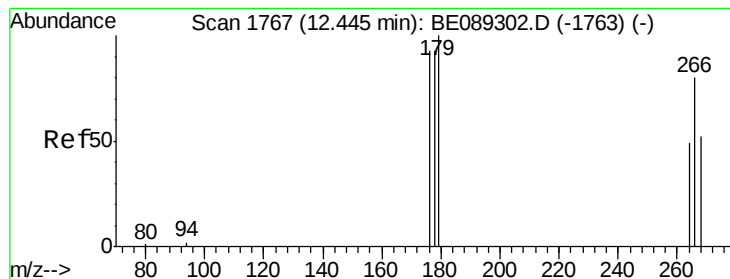
Ion Ratio Lower Upper

166 100

165 97.5 70.3 105.5

167 61.3 11.5 17.3#





#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 12.48 min Scan# 1770

Delta R.T. 0.04 min

Lab File: Be089303.d

Acq: 2 Jan 2015 11:30

Instrument :

BNA_E

ClientSampleId :

SBLK81

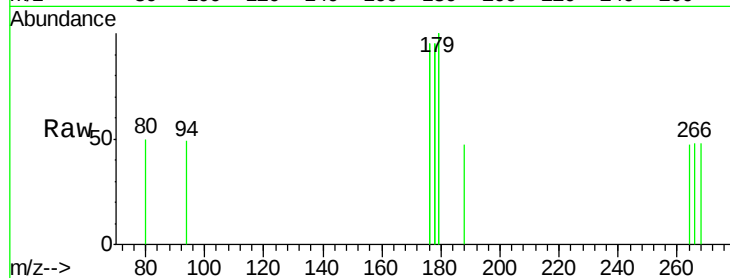
Tgt Ion: 266 Resp: 4

Ion Ratio Lower Upper

266 100

264 25.0 48.7 73.1#

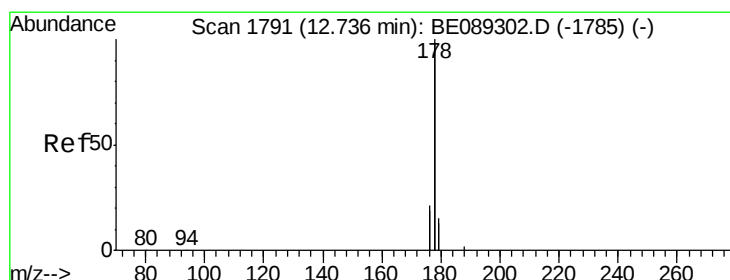
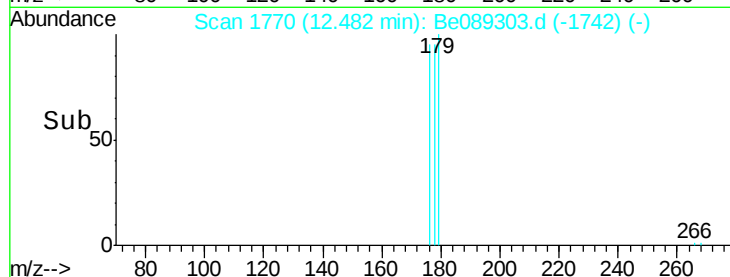
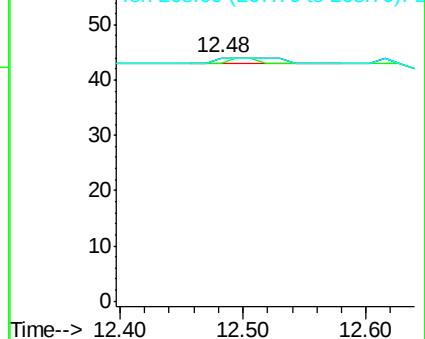
268 100.0 52.9 79.3#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#14

Phenanthrene

Concen: 0.02 ng/ul

RT: 12.75 min Scan# 1792

Delta R.T. 0.01 min

Lab File: Be089303.d

Acq: 2 Jan 2015 11:30

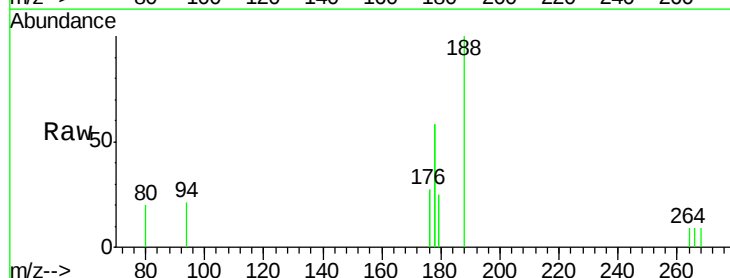
Tgt Ion: 178 Resp: 872

Ion Ratio Lower Upper

178 100

176 45.7 14.3 21.5#

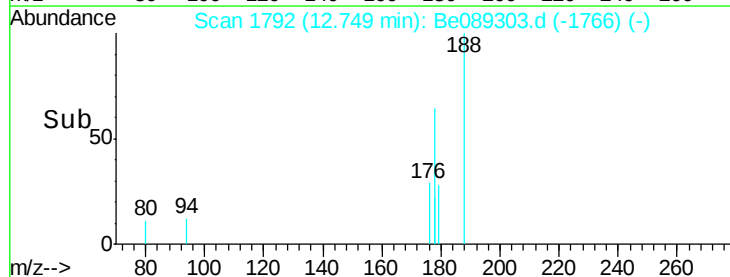
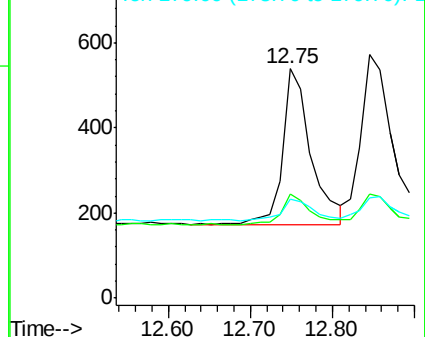
179 43.5 13.8 20.8#

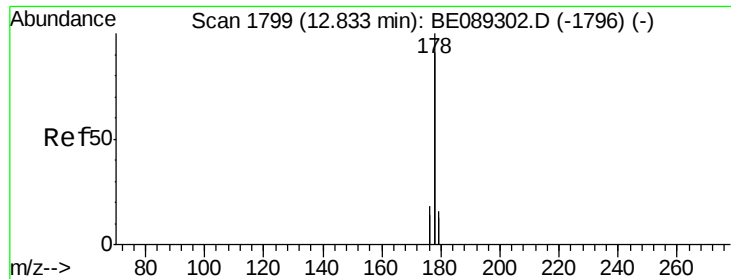


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.02 ng/ul

RT: 12.85 min Scan# 1800

Delta R.T. 0.01 min

Lab File: Be089303.d

Acq: 2 Jan 2015 11:30

Instrument :

BNA_E

ClientSampleId :

SBLK81

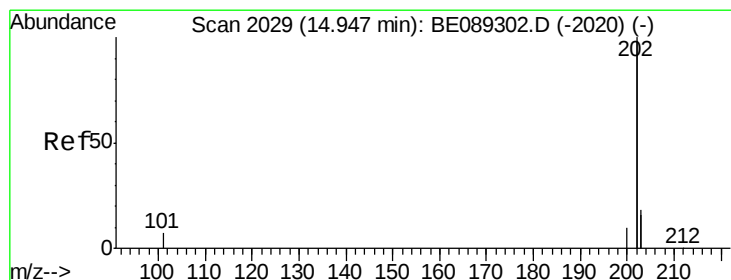
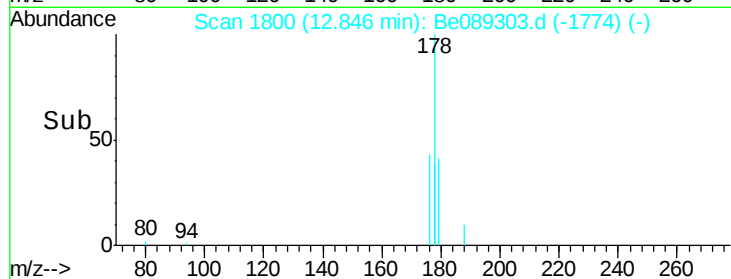
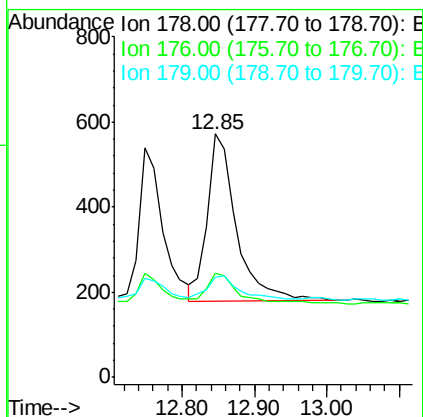
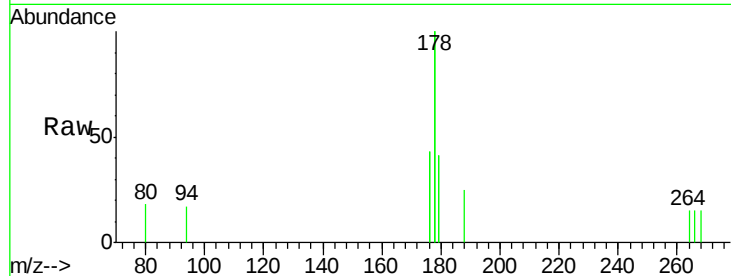
Tgt Ion:178 Resp: 1099

Ion Ratio Lower Upper

178 100

176 43.0 14.7 22.1#

179 41.3 13.4 20.2#



#17

Fluoranthene

Concen: 0.04 ng/ul

RT: 14.97 min Scan# 2032

Delta R.T. 0.02 min

Lab File: Be089303.d

Acq: 2 Jan 2015 11:30

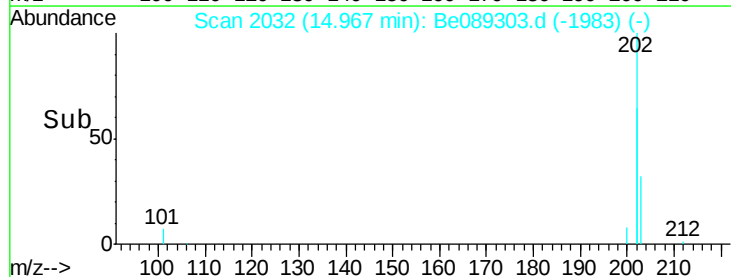
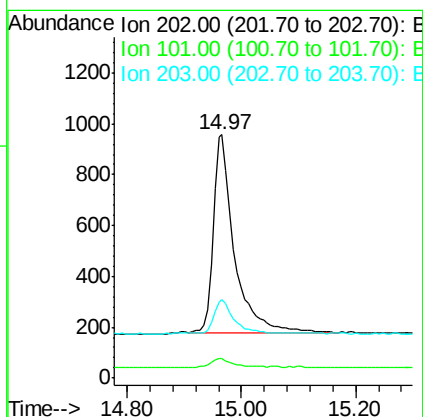
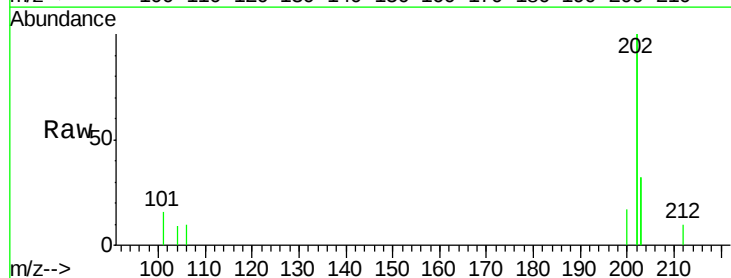
Tgt Ion:202 Resp: 1991

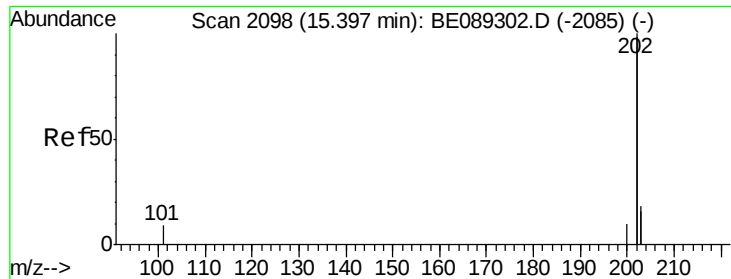
Ion Ratio Lower Upper

202 100

101 8.0 0.0 24.6

203 32.2 0.0 37.8

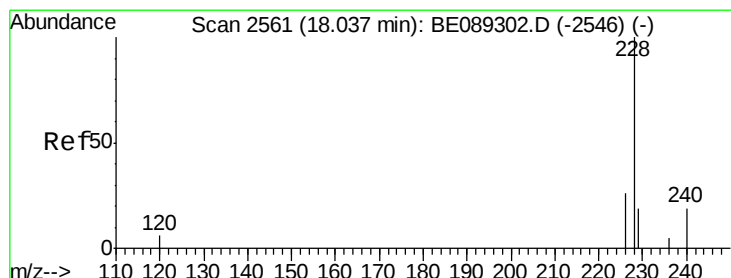
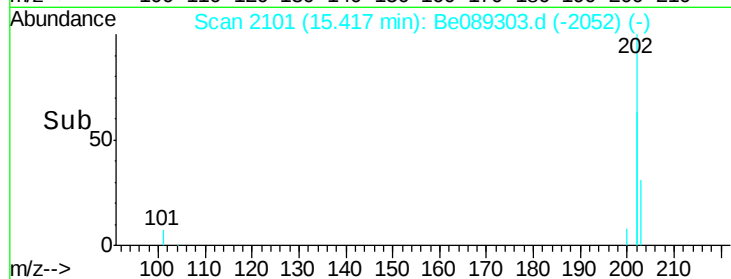
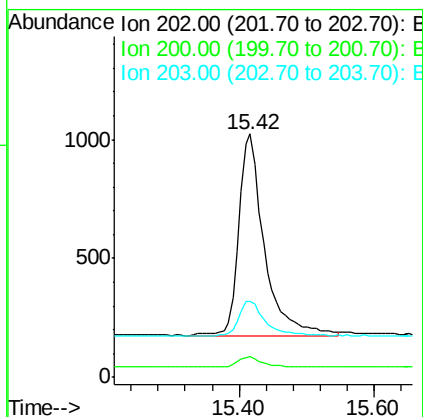
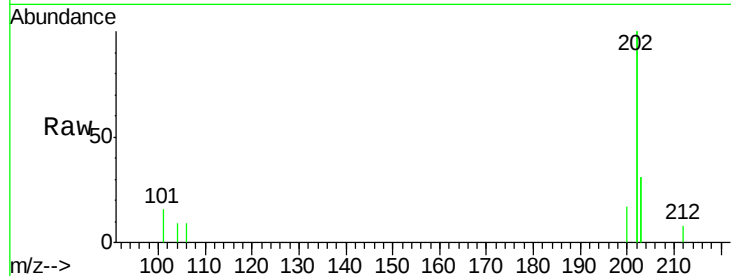




#19
Pyrene
Concen: 0.05 ng/u1
RT: 15.42 min Scan# 2101
Delta R.T. 0.02 min
Lab File: BE089303.d
Acq: 2 Jan 2015 11:30

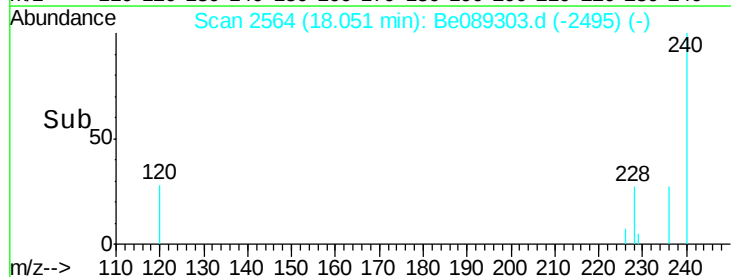
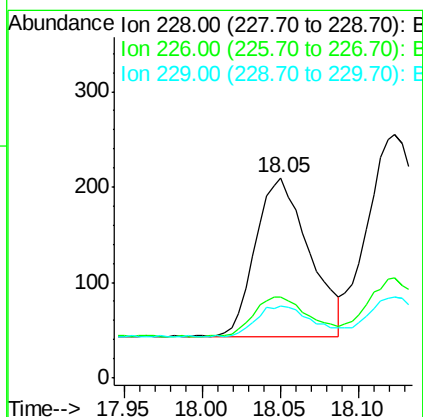
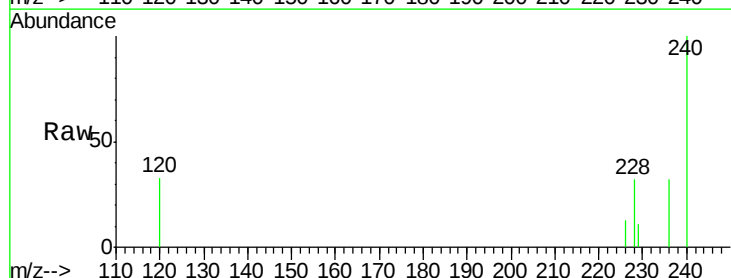
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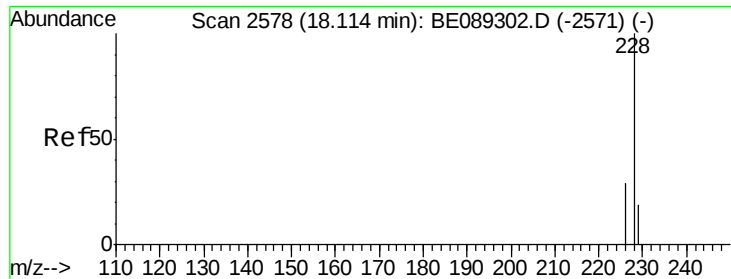
Tgt Ion:202 Resp: 2228
Ion Ratio Lower Upper
202 100
200 8.4 4.2 6.4#
203 31.3 14.4 21.6#



#20
Benzo(a)anthracene
Concen: 0.06 ng/u1
RT: 18.05 min Scan# 2564
Delta R.T. 0.01 min
Lab File: BE089303.d
Acq: 2 Jan 2015 11:30

Tgt Ion:228 Resp: 400
Ion Ratio Lower Upper
228 100
226 40.0 21.9 32.9#
229 35.7 16.9 25.3#





#21

Chrysene

Concen: 0.07 ng/ul

RT: 18.12 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

Instrument :

BNA_E

ClientSampleId :

SBLK81

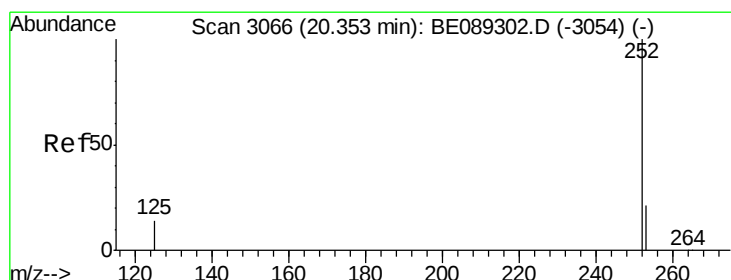
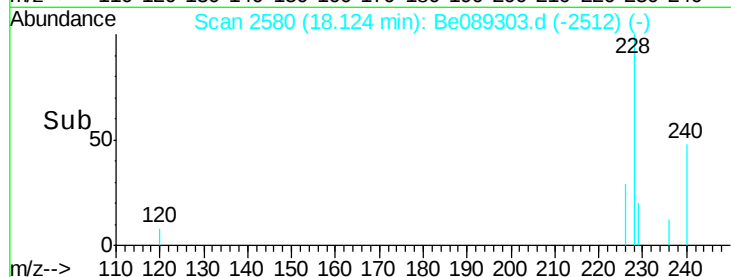
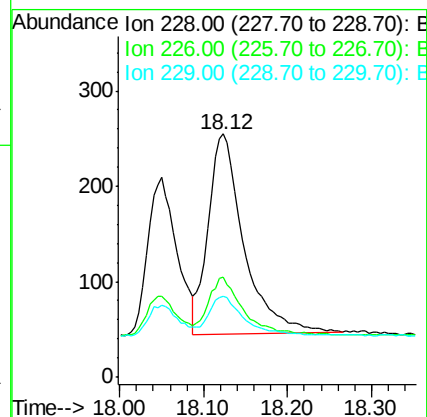
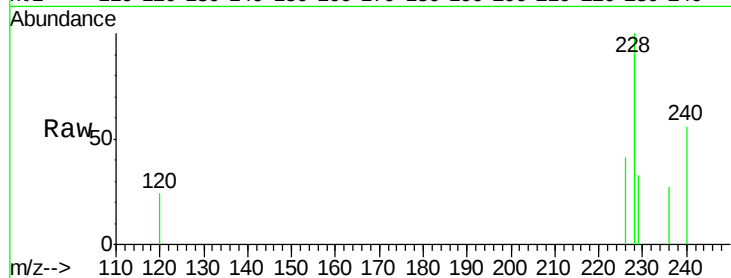
Tgt Ion:228 Resp: 622

Ion Ratio Lower Upper

228 100

226 41.2 23.9 35.9#

229 33.3 16.8 25.2#



#23

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 20.37 min Scan# 3070

Delta R.T. 0.02 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

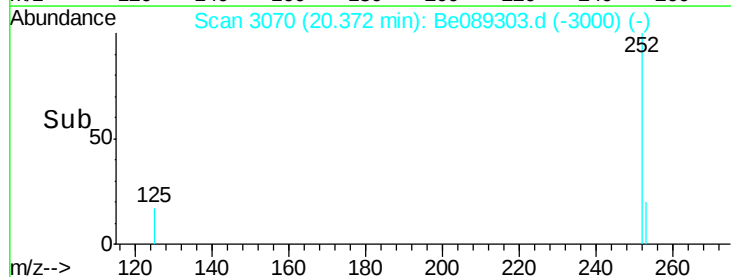
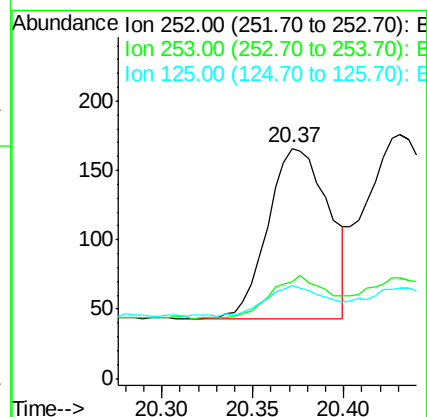
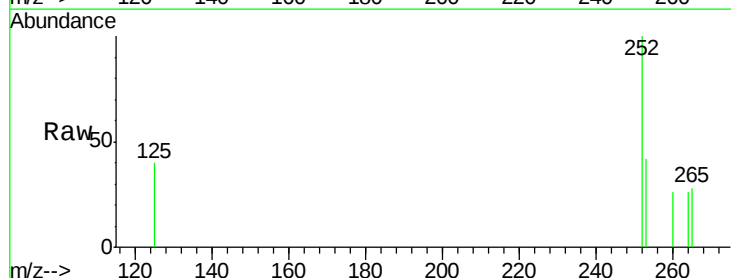
Tgt Ion:252 Resp: 286

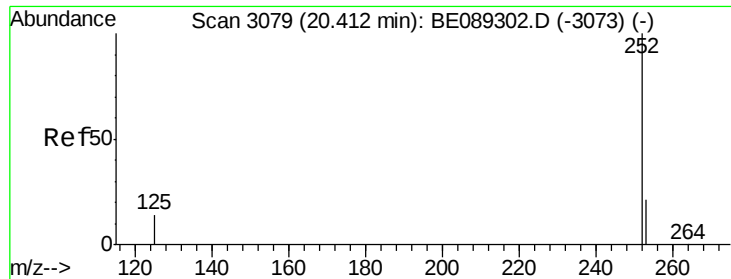
Ion Ratio Lower Upper

252 100

253 42.2 0.0 47.8

125 40.4 0.0 34.2#





#24

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 20.43 min Scan# 3083

Delta R.T. 0.02 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

Instrument :

BNA_E

ClientSampleId :

SBLK81

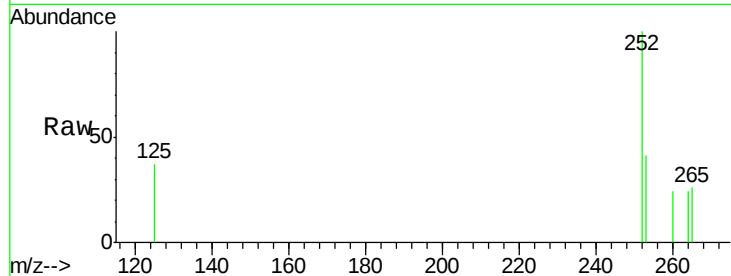
Tgt Ion:252 Resp: 497

Ion Ratio Lower Upper

252 100

253 41.5 19.0 28.6#

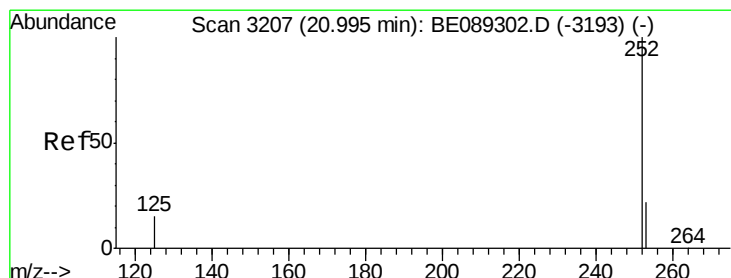
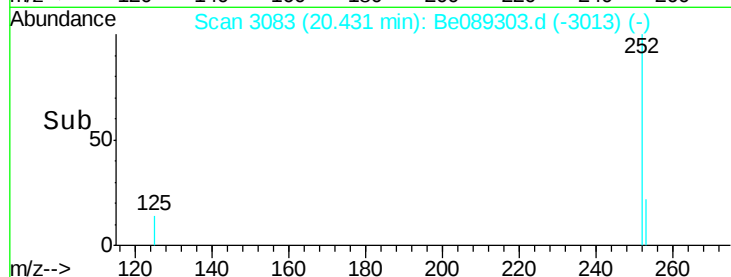
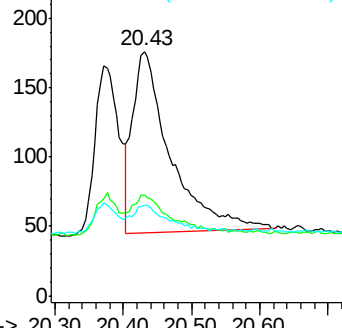
125 36.9 13.5 20.3#



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: 0.05 ng/ul

RT: 21.01 min Scan# 3210

Delta R.T. 0.01 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

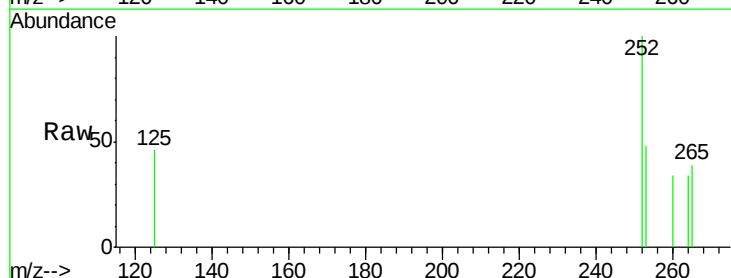
Tgt Ion:252 Resp: 274

Ion Ratio Lower Upper

252 100

253 48.0 19.7 29.5#

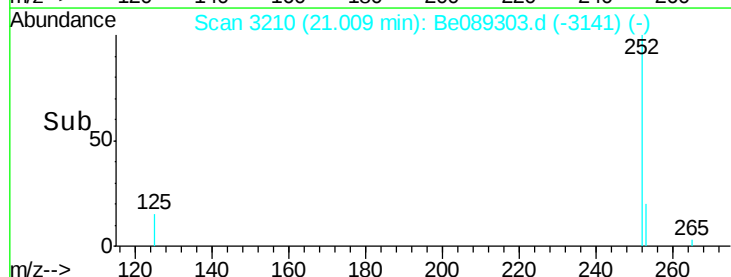
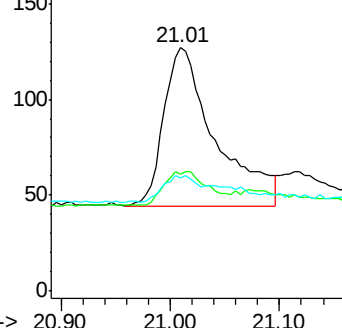
125 46.5 15.0 22.6#

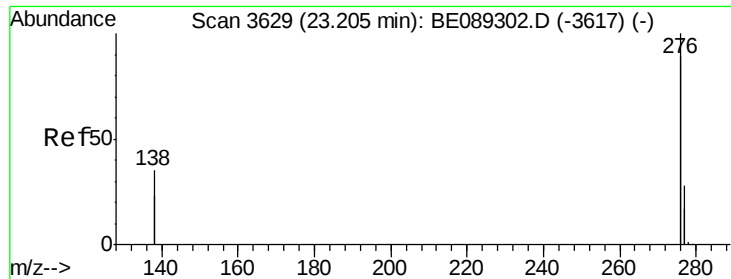


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng/ul

RT: 23.24 min Scan# 3635

Delta R.T. 0.04 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

Instrument :

BNA_E

ClientSampleId :

SBLK81

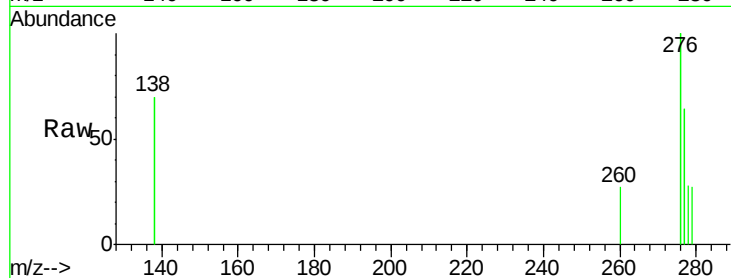
Tgt Ion: 276 Resp: 1245

Ion Ratio Lower Upper

276 100

138 13.4 23.8 35.8#

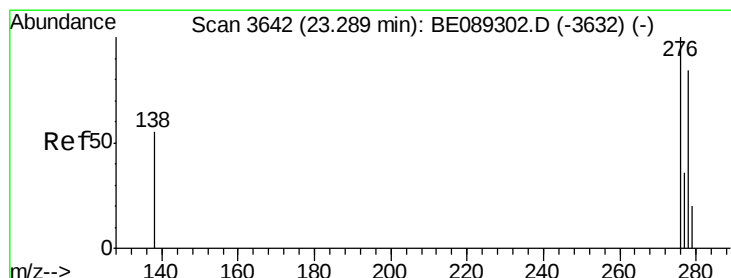
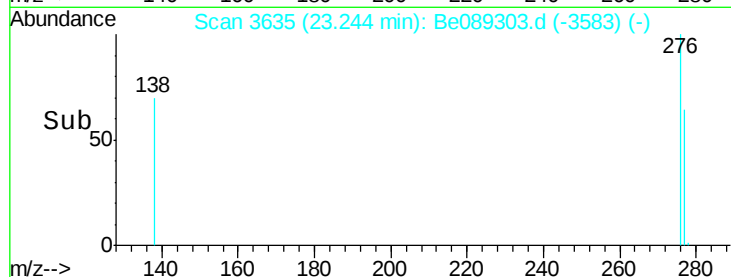
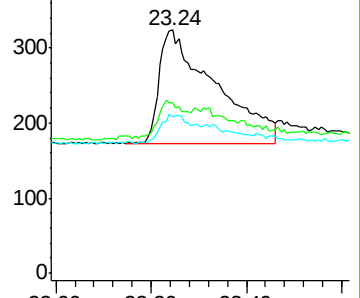
277 14.6 18.9 28.3#



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: 0.04 ng/ul

RT: 23.32 min Scan# 3647

Delta R.T. 0.03 min

Lab File: BE089303.d

Acq: 2 Jan 2015 11:30

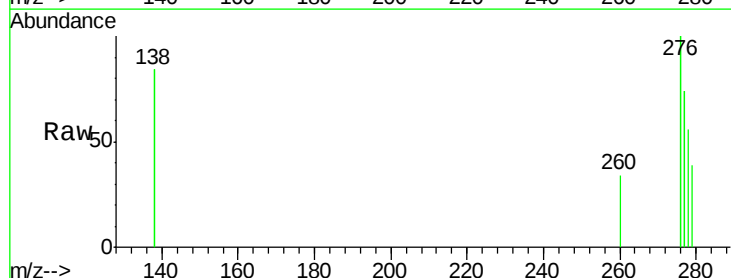
Tgt Ion: 278 Resp: 185

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

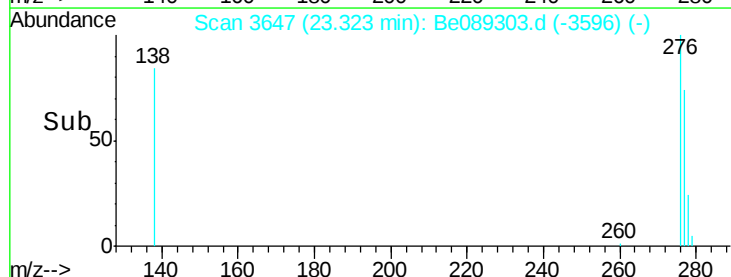
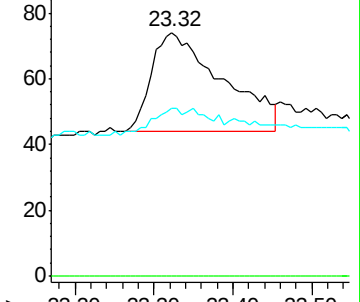
279 68.9 24.0 36.0#

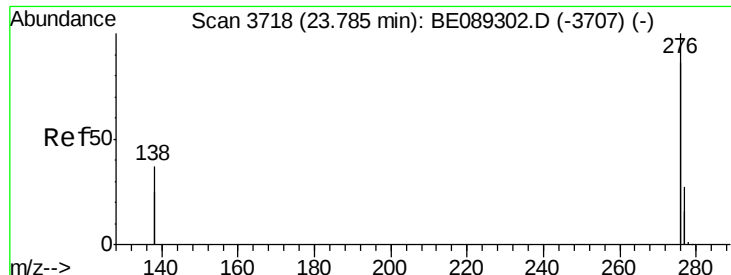


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.06 ng/ul

RT: 23.82 min Scan# 3724

Delta R.T. 0.04 min

Lab File: BE089303.d

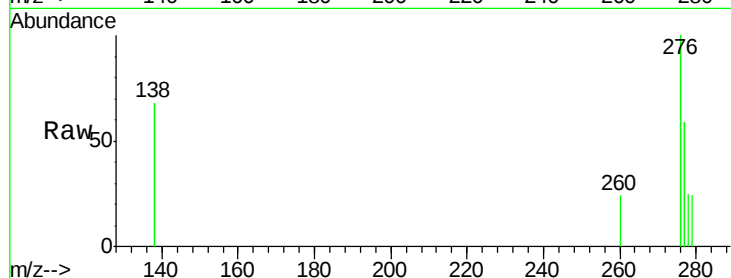
Acq: 2 Jan 2015 11:30

Instrument :

BNA_E

ClientSampleId :

SBLK81



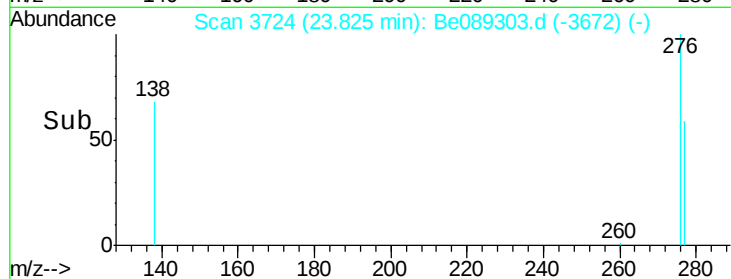
Tgt Ion: 276 Resp: 1307

Ion Ratio Lower Upper

276 100

277 58.9 22.3 33.5#

138 67.6 30.0 45.0#



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

