

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010815\
 Data File : Be089363.d
 Acq On : 8 Jan 2015 13:30
 Operator : TP/IZ
 Sample : PB81240BL
 Misc : SBLK85
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SBLK85

Quant Time: Jan 09 01:38:39 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 09 01:27:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1138	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4511	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2305	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3526	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2526	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2213	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.10	96	2893	1.69	ng/uL	0.00
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.92	212	1	0.00	ng/ul	0.00

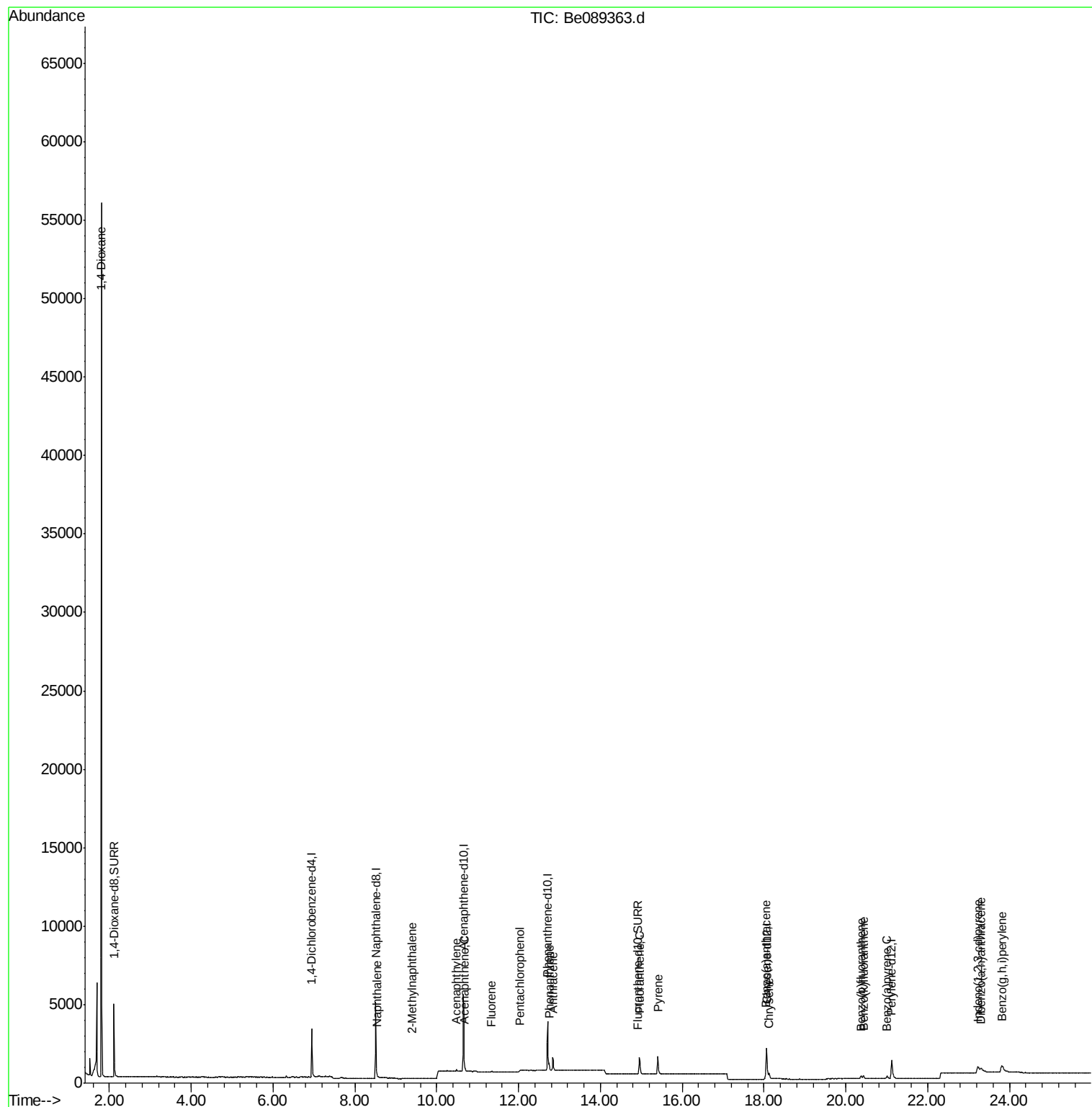
Target Compounds				Qvalue		
3) 1,4-Dioxane	1.80	88	1624	0.85	ng/ul#	1
5) Naphthalene	8.54	128	109	0.01	ng/ul#	23
7) 2-Methylnaphthalene	9.39	142	34	0.01	ng/ul	86
9) Acenaphthylene	10.48	152	196	0.01	ng/ul#	1
10) Acenaphthene	10.69	153	168	0.01	ng/ul#	53
11) Fluorene	11.34	166	42	0.01	ng/ul#	67
13) Pentachlorophenol	12.03	266	125	0.34	ng/ul#	1
14) Phenanthrene	12.75	178	515	0.01	ng/ul#	35
15) Anthracene	12.83	178	1099	0.03	ng/ul#	59
17) Fluoranthene	14.96	202	1562	0.05	ng/ul	73
19) Pyrene	15.41	202	1686	0.05	ng/ul#	74
20) Benzo(a)anthracene	18.05	228	475	0.08	ng/ul#	79
21) Chrysene	18.12	228	490	0.07	ng/ul#	76
23) Benzo(b)fluoranthene	20.37	252	339	0.06	ng/ul#	60
24) Benzo(k)fluoranthene	20.43	252	488	0.07	ng/ul#	64
25) Benzo(a)pyrene	21.01	252	371	0.07	ng/ul#	58
26) Indeno(1,2,3-cd)pyrene	23.23	276	1003	0.06	ng/ul	95
27) Dibenzo(a,h)anthracene	23.31	278	265	0.06	ng/ul#	47
28) Benzo(g,h,i)perylene	23.81	276	1618	0.07	ng/ul#	57

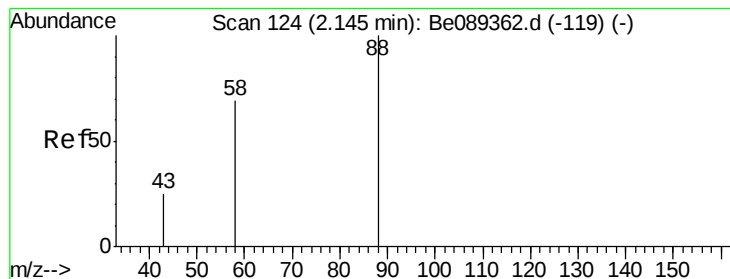
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.85 ng/ul

RT: 1.80 min Scan# 67

Delta R.T. -0.34 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

Instrument :

BNA_E

ClientSampleId :

SBLK85

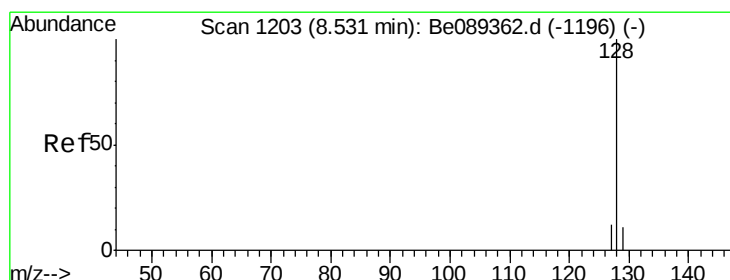
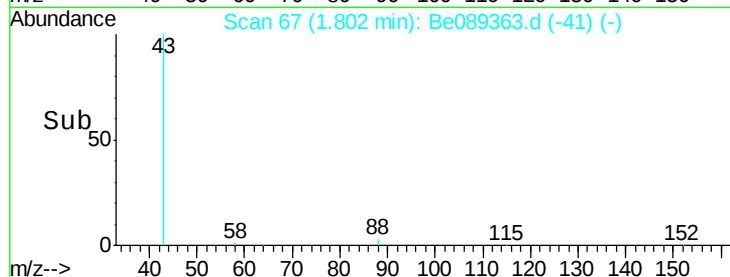
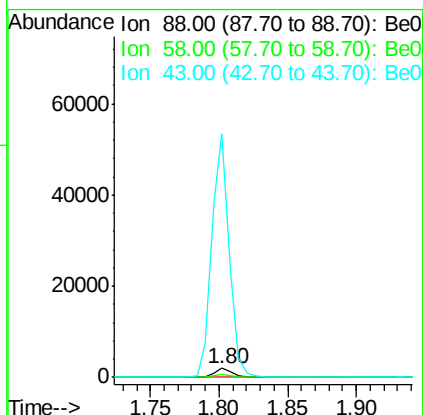
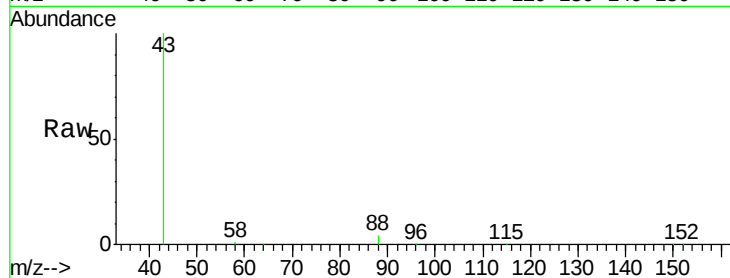
Tgt Ion: 88 Resp: 1624

Ion Ratio Lower Upper

88 100

58 25.6 61.5 92.3#

43 2854.4 23.9 35.9#



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 8.54 min Scan# 1204

Delta R.T. 0.01 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

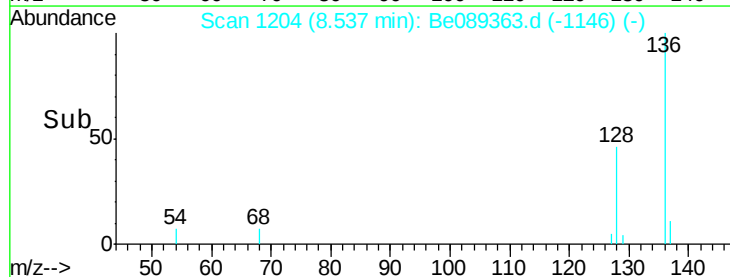
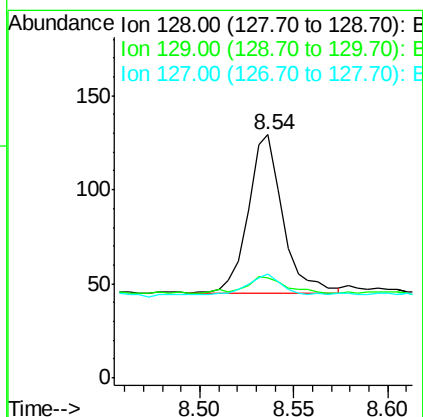
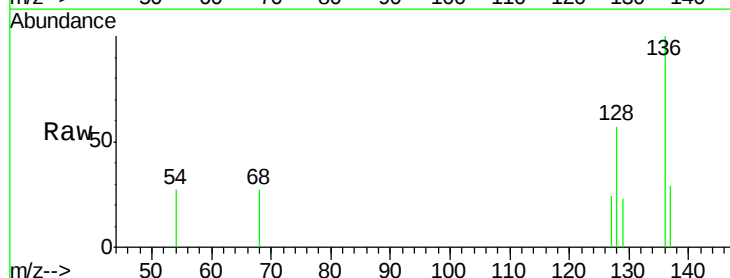
Tgt Ion: 128 Resp: 109

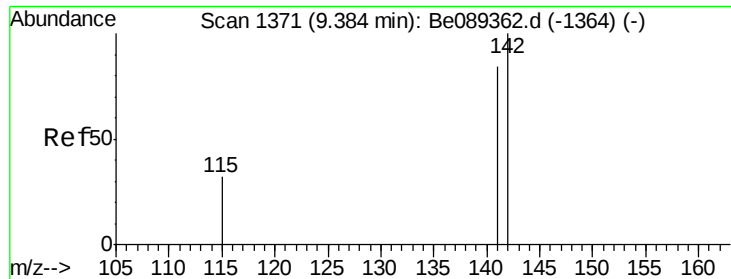
Ion Ratio Lower Upper

128 100

129 41.1 9.1 13.7#

127 42.6 10.0 15.0#





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.39 min Scan# 1373

Delta R.T. 0.01 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

Instrument :

BNA_E

ClientSampleId :

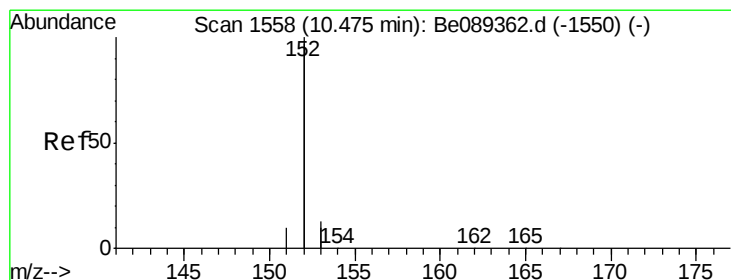
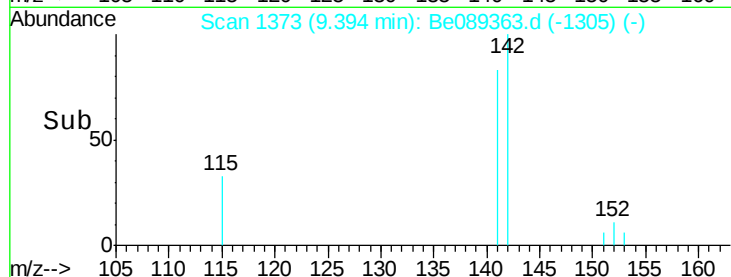
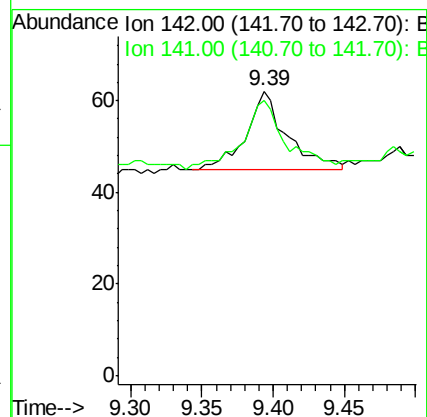
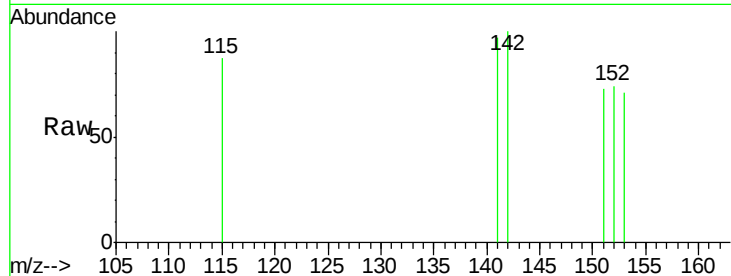
SBLK85

Tgt Ion:142 Resp: 34

Ion Ratio Lower Upper

142 100

141 94.1 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: Be089363.d

Acq: 8 Jan 2015 13:30

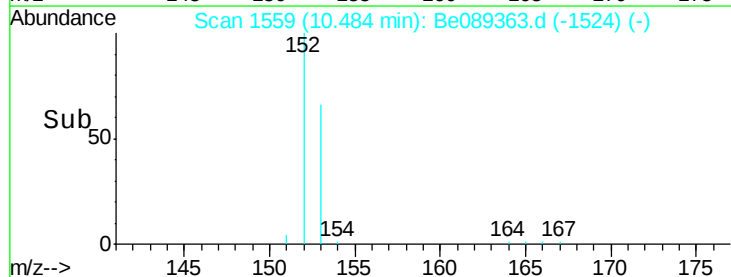
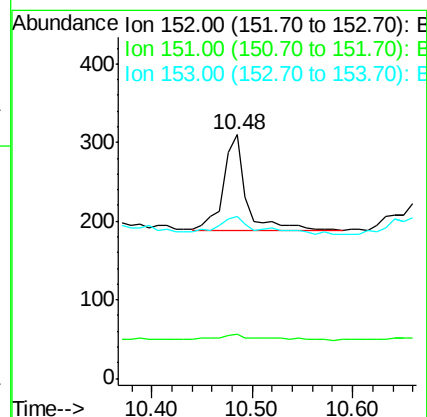
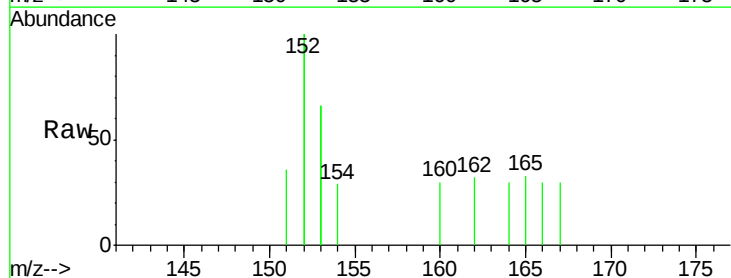
Tgt Ion:152 Resp: 196

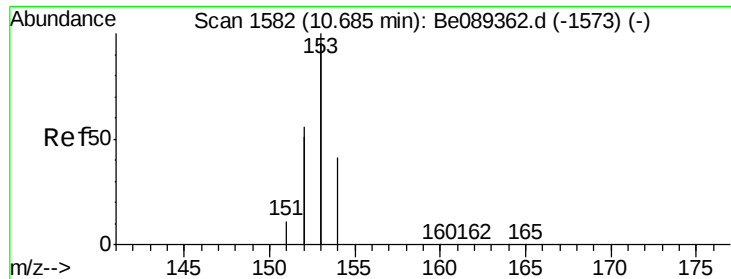
Ion Ratio Lower Upper

152 100

151 18.1 4.0 6.0#

153 66.5 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: Be089363.d

Acq: 8 Jan 2015 13:30

Instrument :

BNA_E

ClientSampleId :

SBLK85

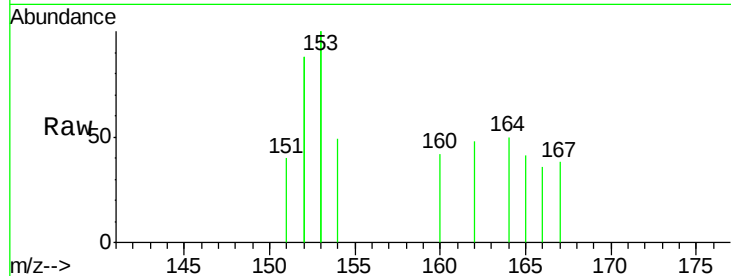
Tgt Ion:153 Resp: 168

Ion Ratio Lower Upper

153 100

152 87.7 32.6 49.0#

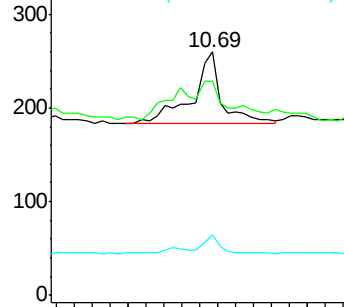
154 24.6 21.8 32.6



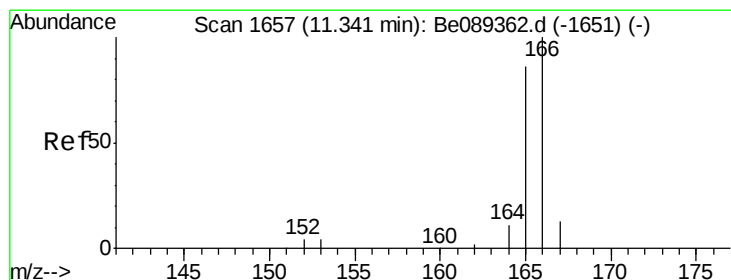
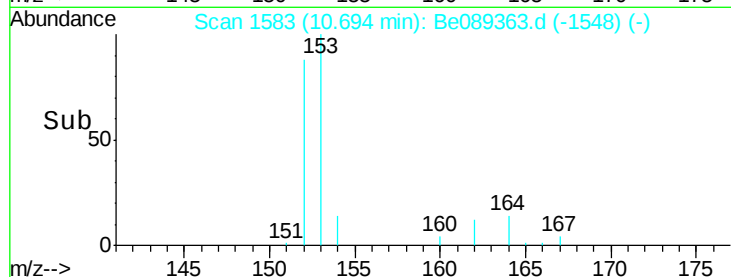
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#11

Fluorene

Concen: 0.01 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. 0.00 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

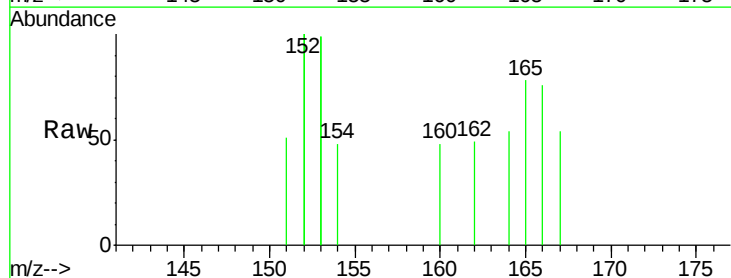
Tgt Ion:166 Resp: 42

Ion Ratio Lower Upper

166 100

165 102.9 70.3 105.5

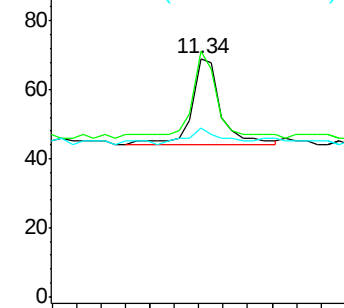
167 71.0 11.5 17.3#



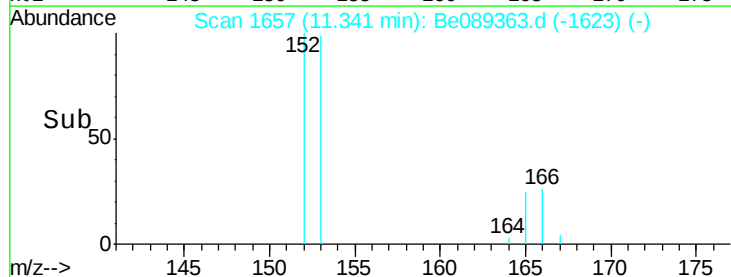
Abundance Ion 166.00 (165.70 to 166.70): E

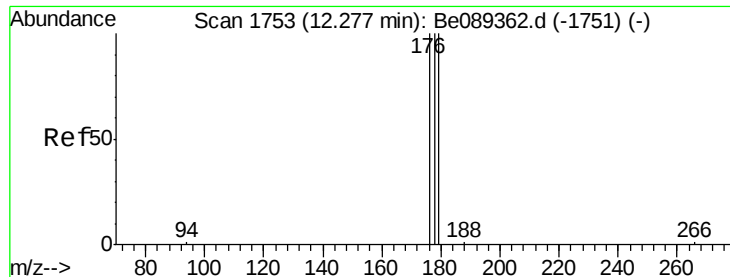
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#13

Pentachlorophenol

Concen: 0.34 ng/ul

RT: 12.03 min Scan# 1733

Delta R.T. -0.24 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

Instrument :

BNA_E

ClientSampleId :

SBLK85

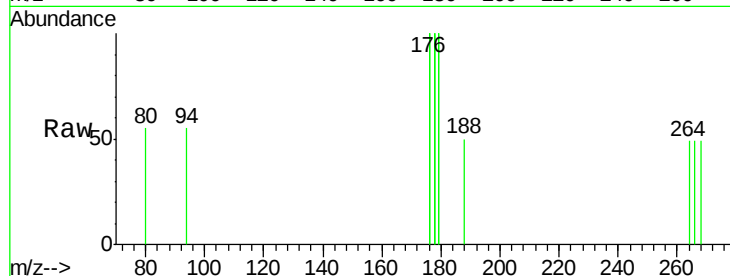
Tgt Ion:266 Resp: 125

Ion Ratio Lower Upper

266 100

264 412.8 48.7 73.1#

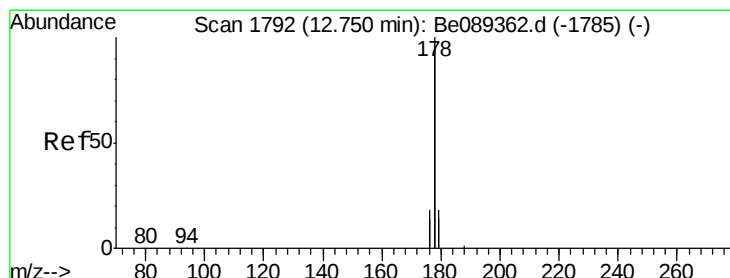
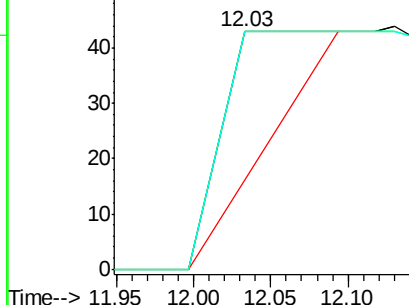
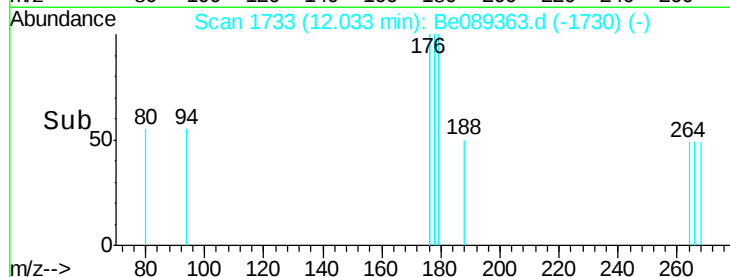
268 538.4 52.9 79.3#



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: 0.01 ng/ul

RT: 12.75 min Scan# 1792

Delta R.T. -0.00 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

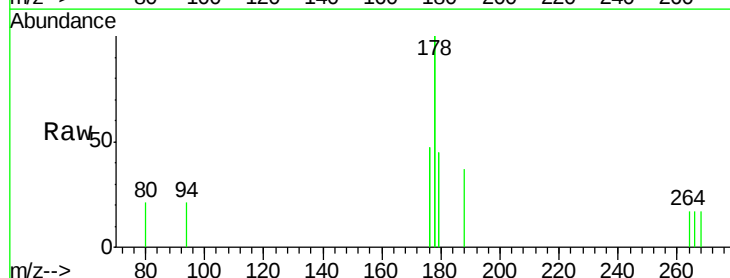
Tgt Ion:178 Resp: 515

Ion Ratio Lower Upper

178 100

176 47.2 14.3 21.5#

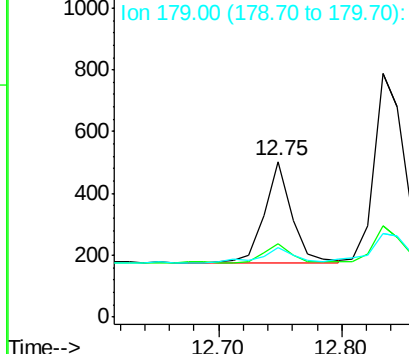
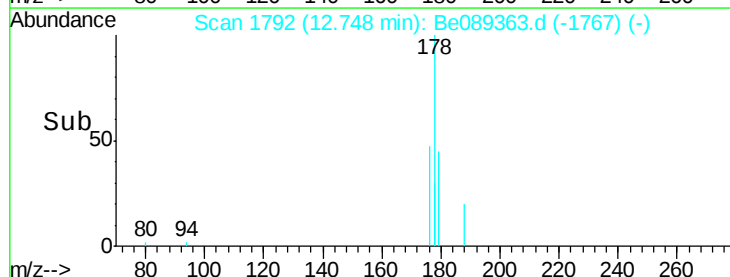
179 44.8 13.8 20.8#

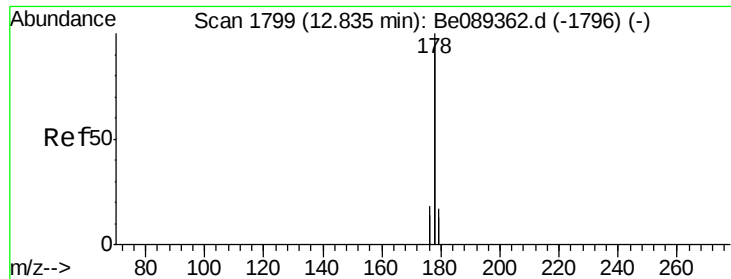


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.03 ng/ul

RT: 12.83 min Scan# 1799

Delta R.T. -0.00 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

Instrument :

BNA_E

ClientSampleId :

SBLK85

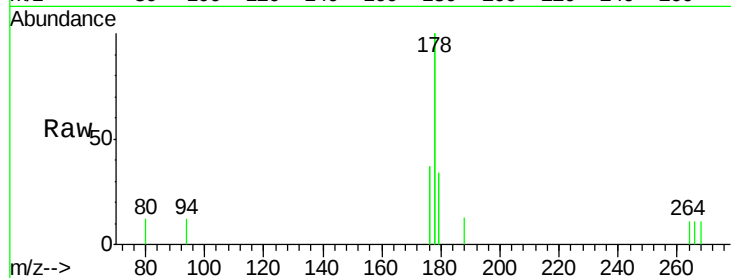
Tgt Ion:178 Resp: 1099

Ion Ratio Lower Upper

178 100

176 37.3 14.7 22.1#

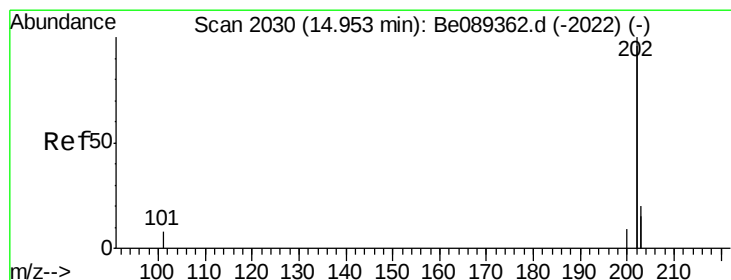
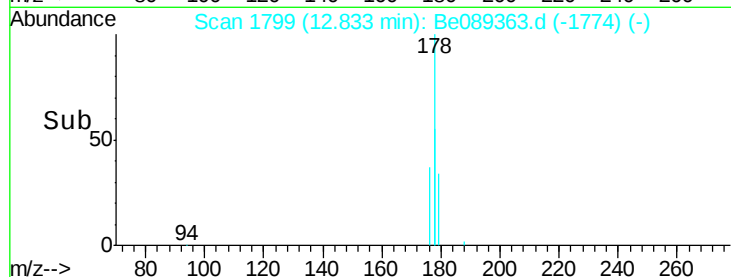
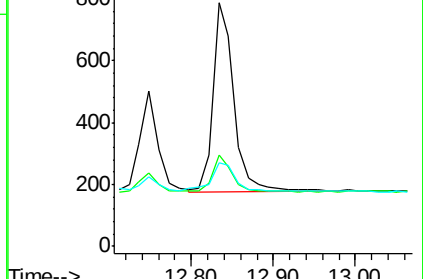
179 34.3 13.4 20.2#



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: 0.05 ng/ul

RT: 14.96 min Scan# 2031

Delta R.T. 0.01 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

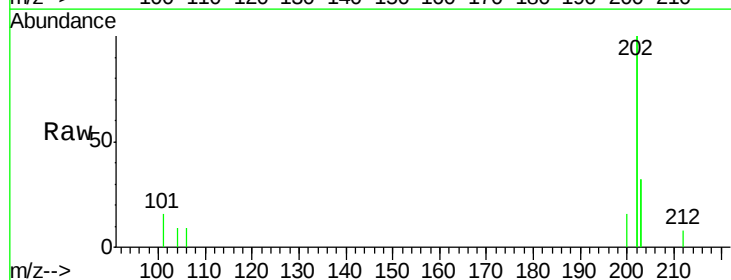
Tgt Ion:202 Resp: 1562

Ion Ratio Lower Upper

202 100

101 7.9 0.0 24.6

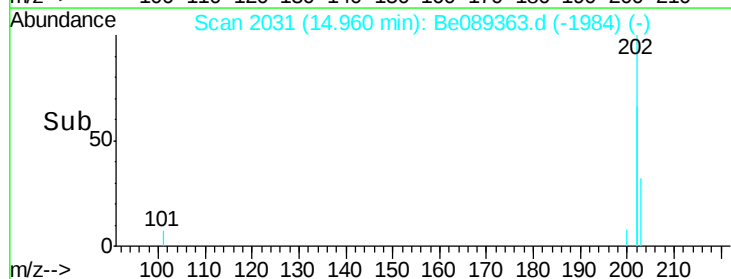
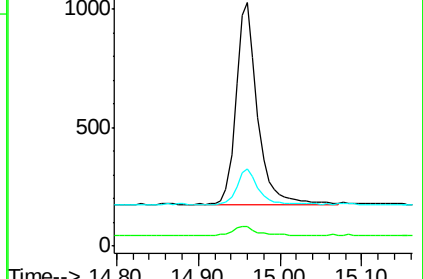
203 31.5 0.0 37.8

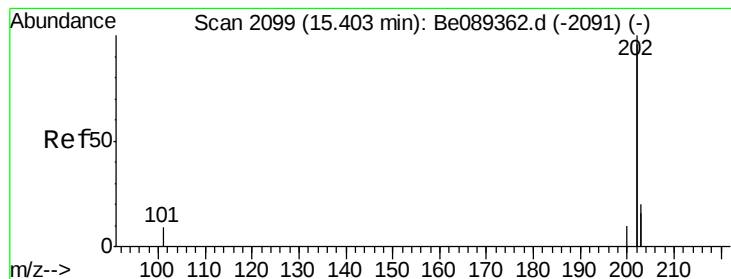


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.05 ng/ul

RT: 15.41 min Scan# 2100

Delta R.T. 0.01 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

Instrument :

BNA_E

ClientSampled :

SBLK85

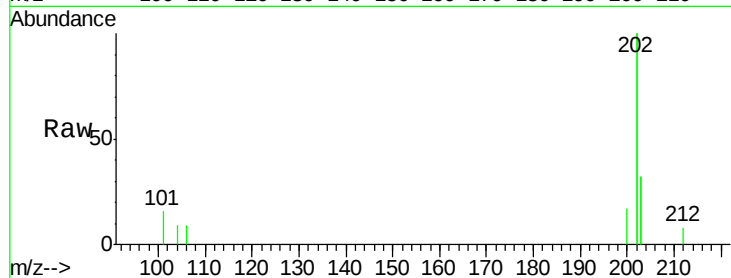
Tgt Ion:202 Resp: 1686

Ion Ratio Lower Upper

202 100

200 8.4 4.2 6.4#

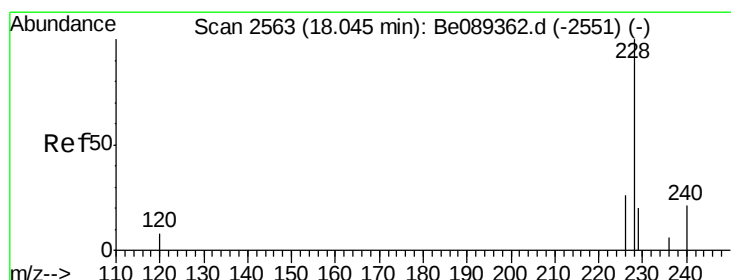
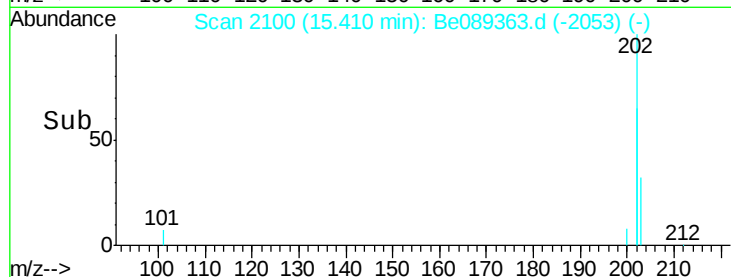
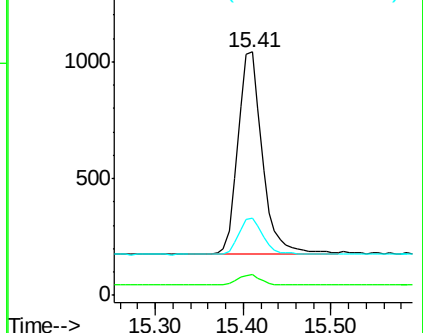
203 31.7 14.4 21.6#



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: 0.08 ng/ul

RT: 18.05 min Scan# 2564

Delta R.T. 0.01 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

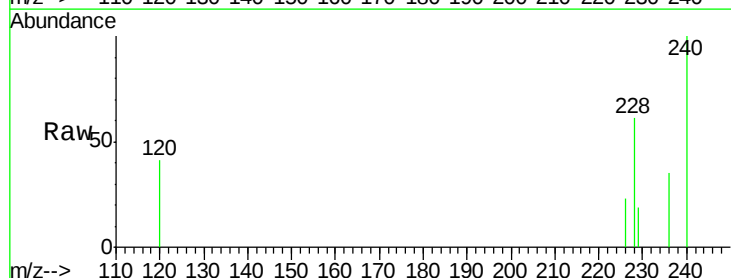
Tgt Ion:228 Resp: 475

Ion Ratio Lower Upper

228 100

226 38.2 21.9 32.9#

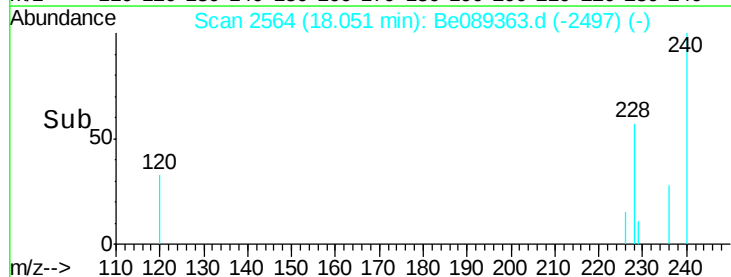
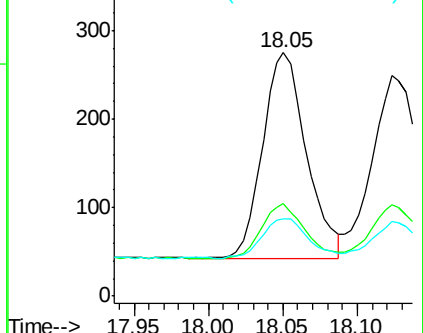
229 31.6 16.9 25.3#

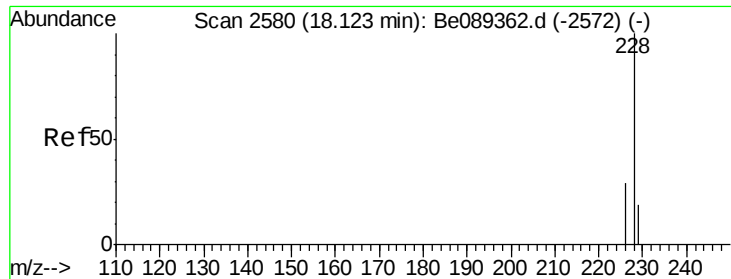


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.07 ng/ul

RT: 18.12 min Scan# 2580

Delta R.T. 0.00 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

Instrument :

BNA_E

ClientSampleId :

SBLK85

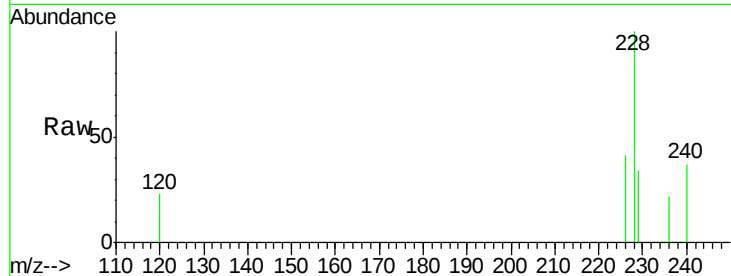
Tgt Ion:228 Resp: 490

Ion Ratio Lower Upper

228 100

226 41.4 23.9 35.9#

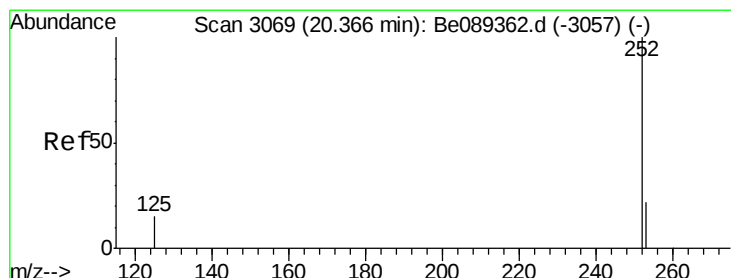
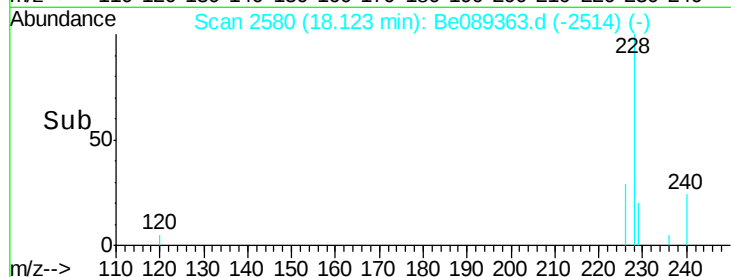
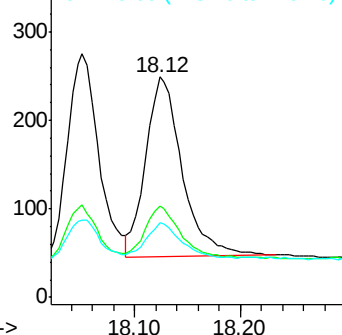
229 34.1 16.8 25.2#



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: 0.06 ng/ul

RT: 20.37 min Scan# 3070

Delta R.T. 0.01 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

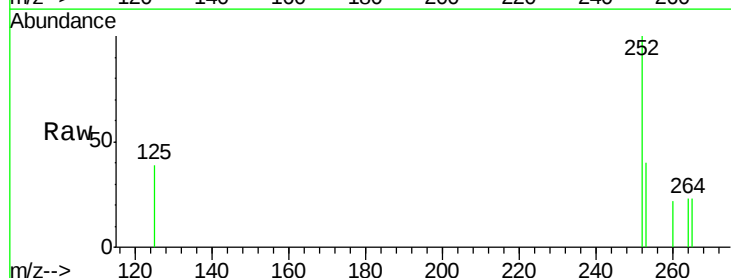
Tgt Ion:252 Resp: 339

Ion Ratio Lower Upper

252 100

253 39.8 0.0 47.8

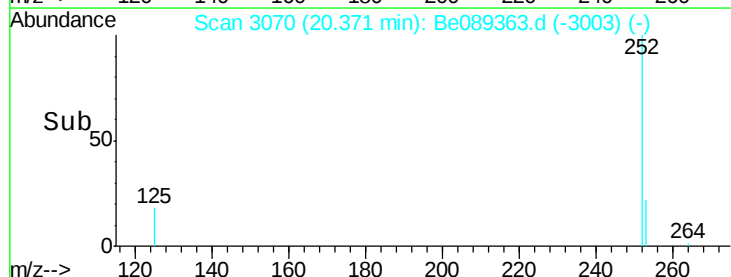
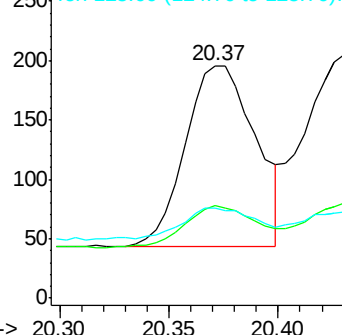
125 38.8 0.0 34.2#

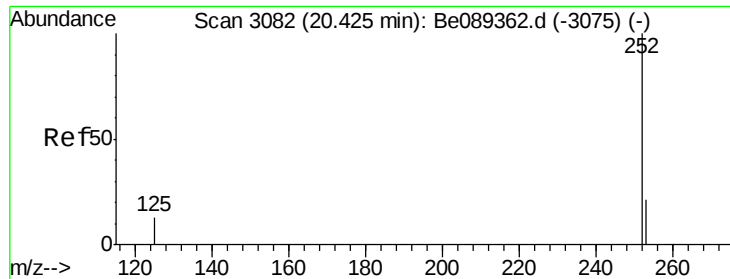


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 20.43 min Scan# 3083

Delta R.T. 0.01 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

Instrument :

BNA_E

ClientSampleId :

SBLK85

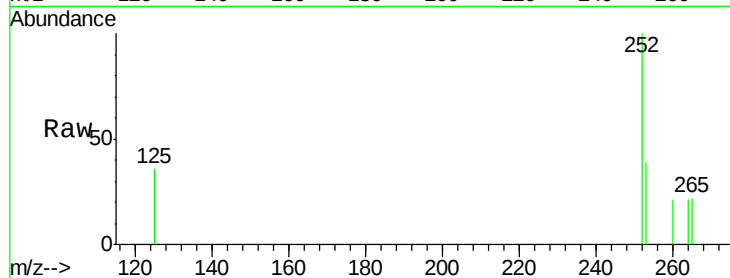
Tgt Ion:252 Resp: 488

Ion Ratio Lower Upper

252 100

253 39.0 19.0 28.6#

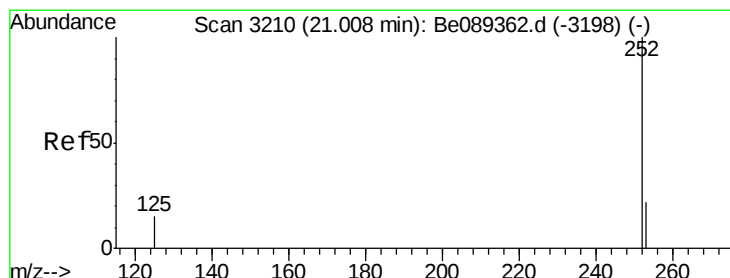
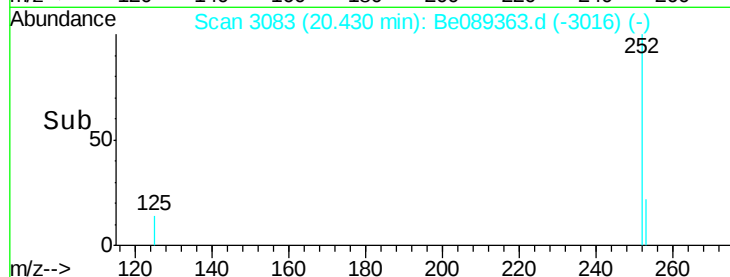
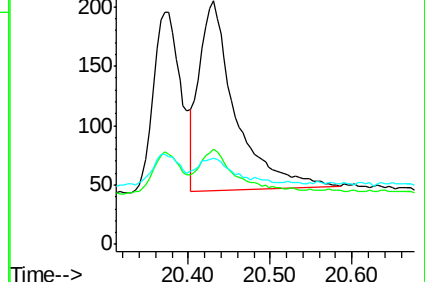
125 35.6 13.5 20.3#



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: 0.07 ng/ul

RT: 21.01 min Scan# 3210

Delta R.T. 0.00 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

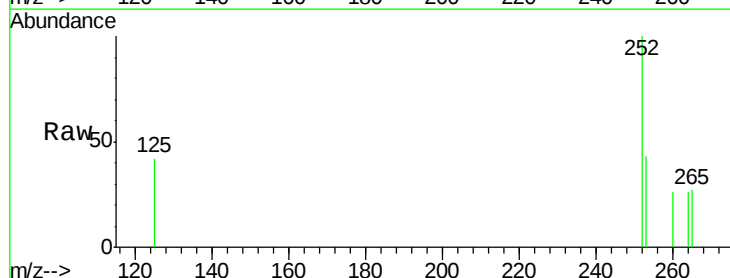
Tgt Ion:252 Resp: 371

Ion Ratio Lower Upper

252 100

253 42.7 19.7 29.5#

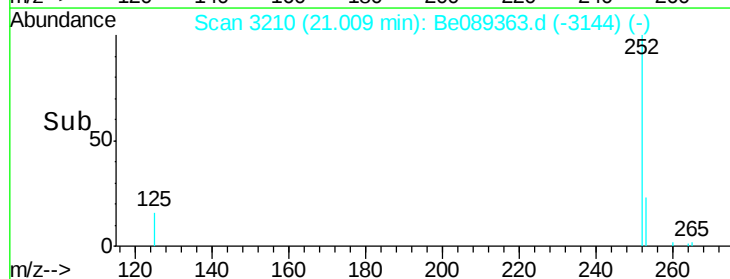
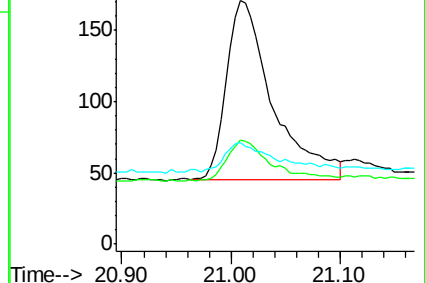
125 41.5 15.0 22.6#

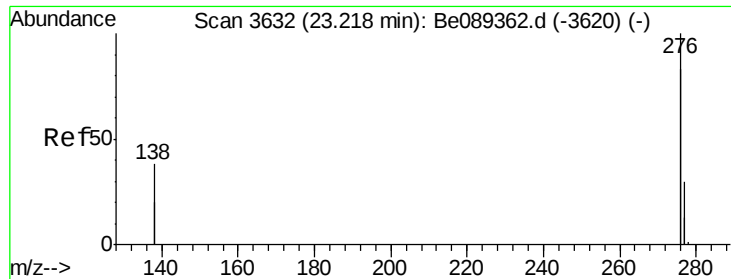


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.06 ng/ul

RT: 23.23 min Scan# 3633

Delta R.T. 0.01 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

Instrument :

BNA_E

ClientSampleId :

SBLK85

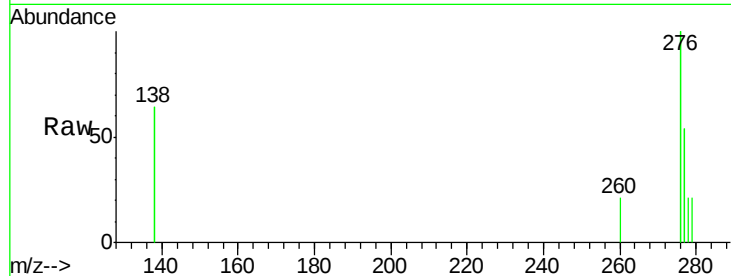
Tgt Ion:276 Resp: 1003

Ion Ratio Lower Upper

276 100

138 27.7 23.8 35.8

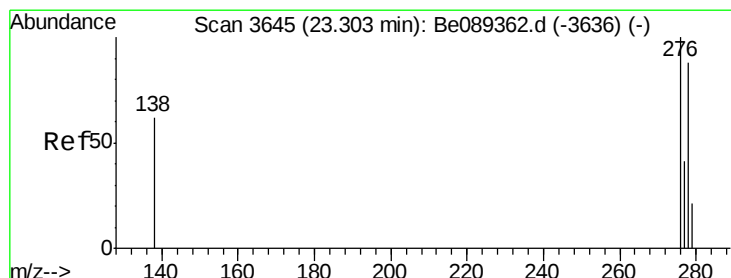
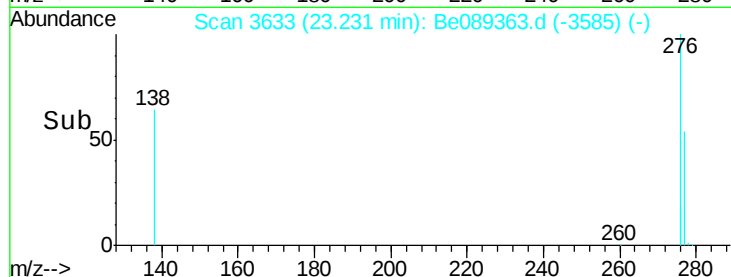
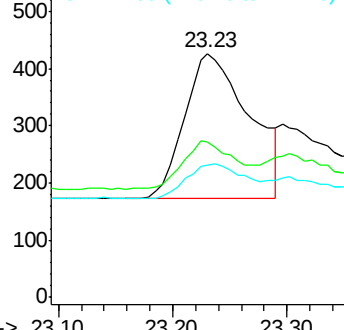
277 20.4 18.9 28.3



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: 0.06 ng/ul

RT: 23.31 min Scan# 3645

Delta R.T. 0.01 min

Lab File: Be089363.d

Acq: 8 Jan 2015 13:30

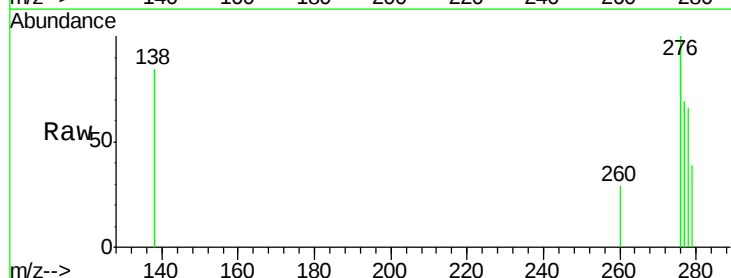
Tgt Ion:278 Resp: 265

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

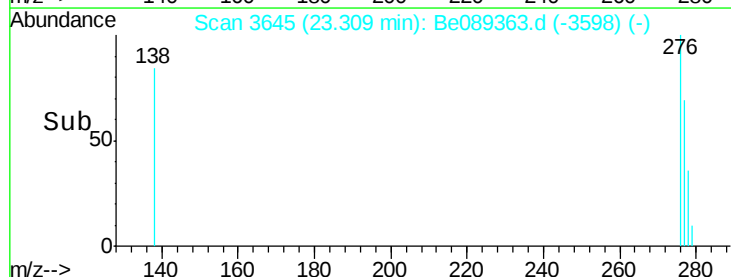
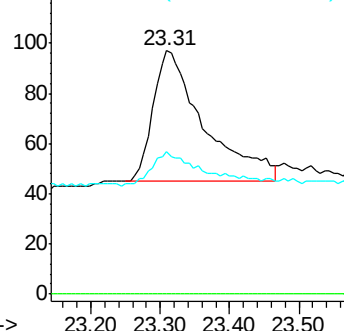
279 58.8 24.0 36.0#

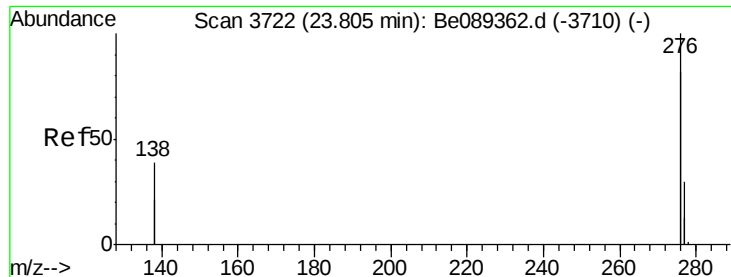


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.07 ng/ul

RT: 23.81 min Scan# 3722

Delta R.T. 0.01 min

Lab File: Be089363.d

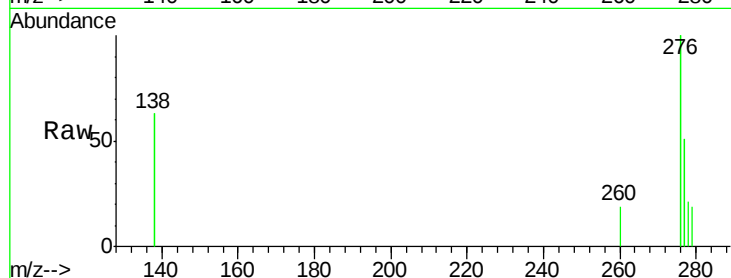
Acq: 8 Jan 2015 13:30

Instrument :

BNA_E

ClientSampleId :

SBLK85



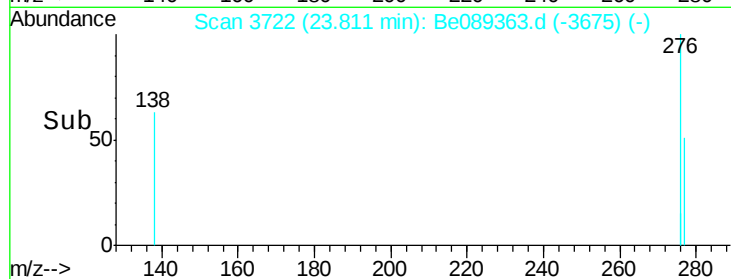
Tgt Ion:276 Resp: 1618

Ion Ratio Lower Upper

276 100

277 51.3 22.3 33.5#

138 63.0 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

23.81

400

300

200

100

0

Time--> 23.60 23.80 24.00