

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010815\
 Data File : BE089373.D
 Acq On : 8 Jan 2015 19:22
 Operator : TP/IZ
 Sample : F5245-18RX
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RA3

Quant Time: Jan 09 03:05:42 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	1210	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4675	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2392	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3613	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2737	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2405	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.11	96	380	0.21	ng/uL	0.00
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.92	212	4	0.00	ng/ul	0.00

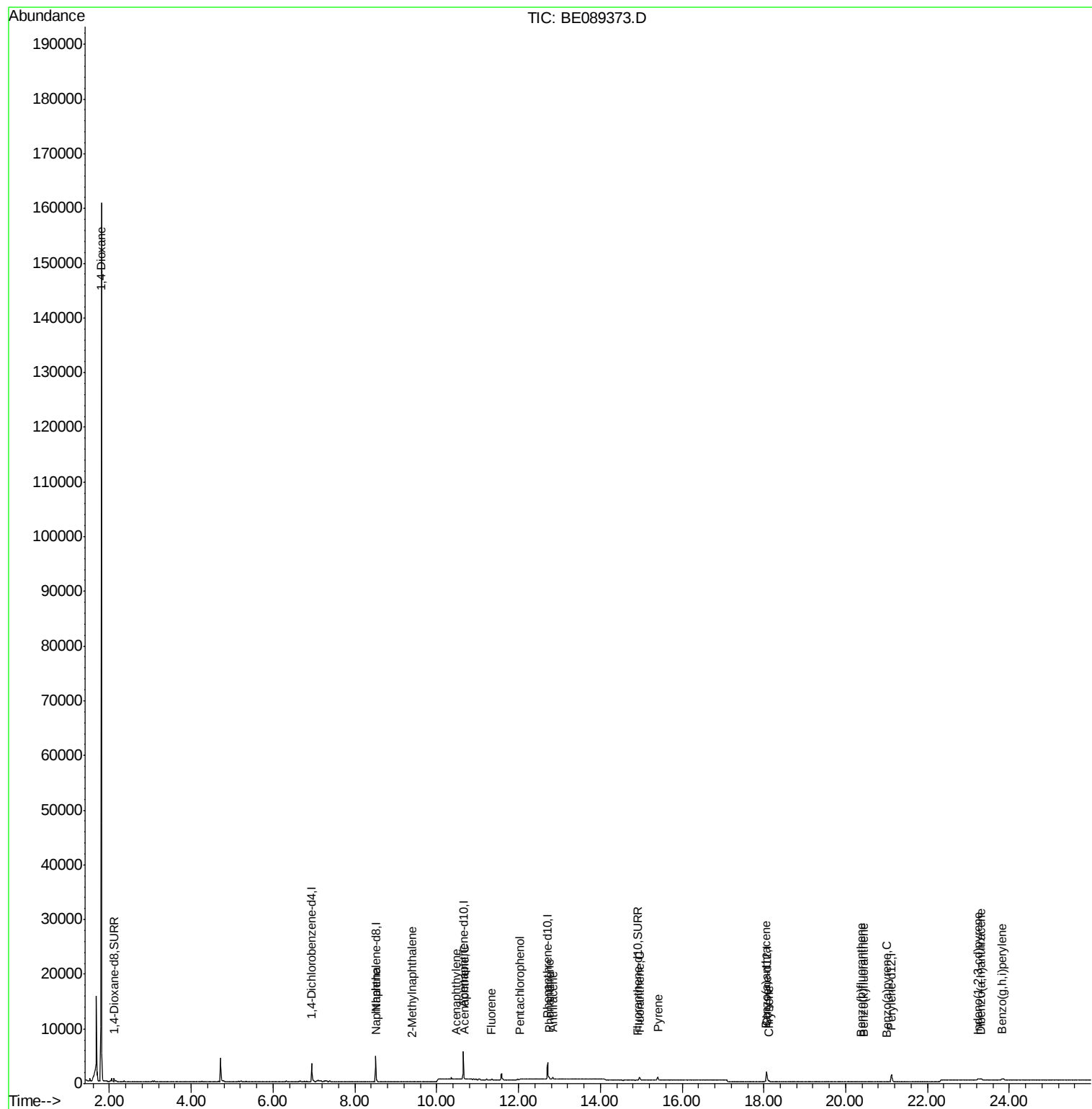
Target Compounds				Qvalue		
3) 1,4-Dioxane	1.80	88	5161	2.55	ng/ul#	1
5) Naphthalene	8.53	128	88	0.01	ng/ul#	9
7) 2-Methylnaphthalene	9.39	142	35	0.01	ng/ul	89
9) Acenaphthylene	10.48	152	146	0.00	ng/ul#	1
10) Acenaphthene	10.69	153	137	0.01	ng/ul#	52
11) Fluorene	11.34	166	33	0.00	ng/ul#	69
13) Pentachlorophenol	12.03	266	331	0.88	ng/ul#	1
14) Phenanthrene	12.75	178	434	0.01	ng/ul#	25
15) Anthracene	12.83	178	496	0.01	ng/ul#	29
17) Fluoranthene	14.95	202	868	0.03	ng/ul#	56
19) Pyrene	15.40	202	963	0.03	ng/ul#	58
20) Benzo(a)anthracene	18.05	228	226	0.04	ng/ul#	61
21) Chrysene	18.12	228	228	0.03	ng/ul#	58
23) Benzo(b)fluoranthene	20.38	252	164	0.03	ng/ul#	23
24) Benzo(k)fluoranthene	20.43	252	206	0.03	ng/ul#	25
25) Benzo(a)pyrene	21.01	252	166	0.03	ng/ul#	17
26) Indeno(1,2,3-cd)pyrene	23.24	276	429	0.03	ng/ul	93
27) Dibenzo(a,h)anthracene	23.32	278	106	0.02	ng/ul#	18
28) Benzo(g,h,i)perylene	23.83	276	684	0.03	ng/ul#	29

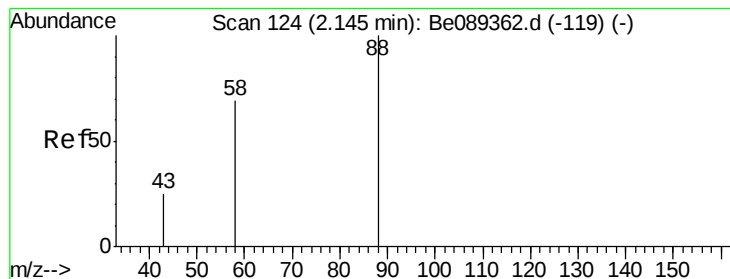
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.55 ng/ul

RT: 1.80 min Scan# 67

Delta R.T. -0.34 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

Instrument :

BNA_E

ClientSampleId :

Y9RA3

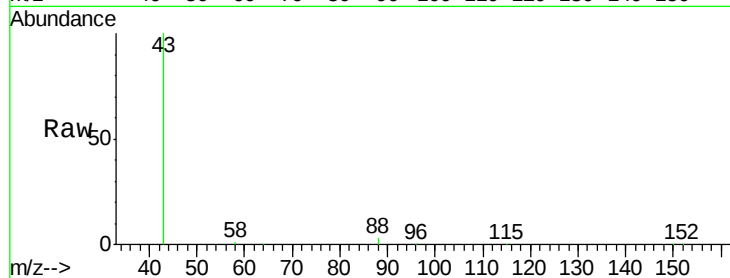
Tgt Ion: 88 Resp: 5161

Ion Ratio Lower Upper

88 100

58 28.8 61.5 92.3#

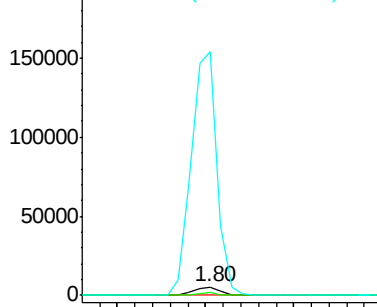
43 3018.4 23.9 35.9#



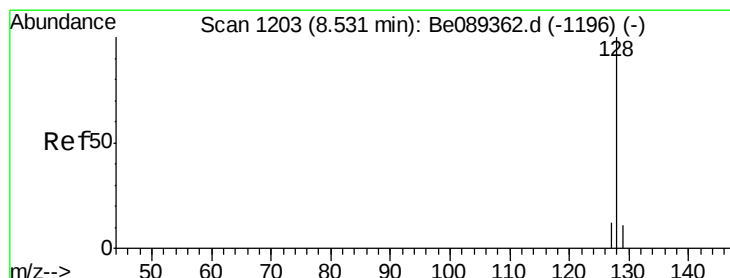
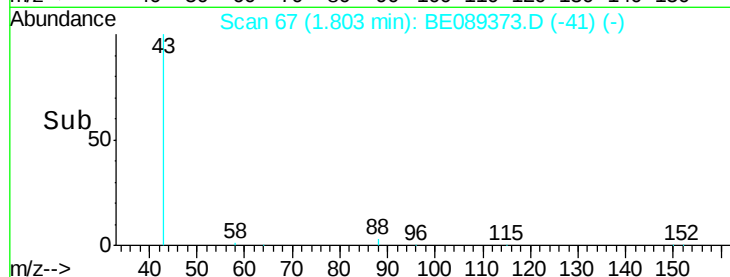
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

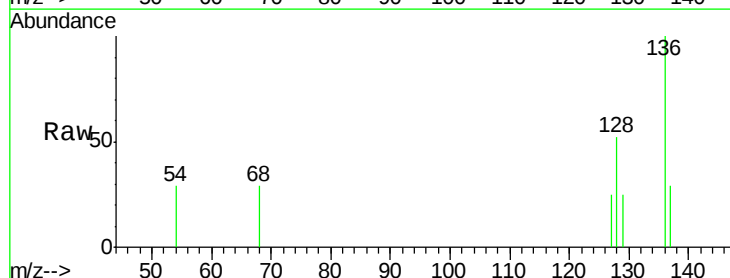
Tgt Ion: 128 Resp: 88

Ion Ratio Lower Upper

128 100

129 47.3 9.1 13.7#

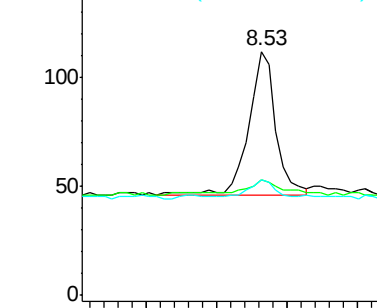
127 47.3 10.0 15.0#



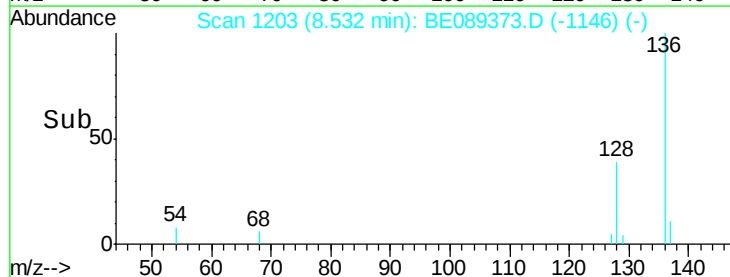
Abundance Ion 128.00 (127.70 to 128.70): E

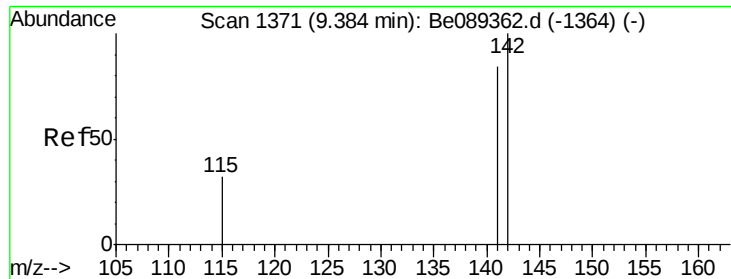
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.39 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

Instrument :

BNA_E

ClientSampleId :

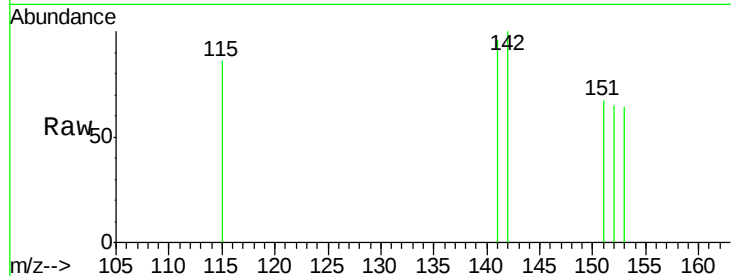
Y9RA3

Tgt Ion:142 Resp: 35

Ion Ratio Lower Upper

142 100

141 91.4 65.4 98.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

9.39

80

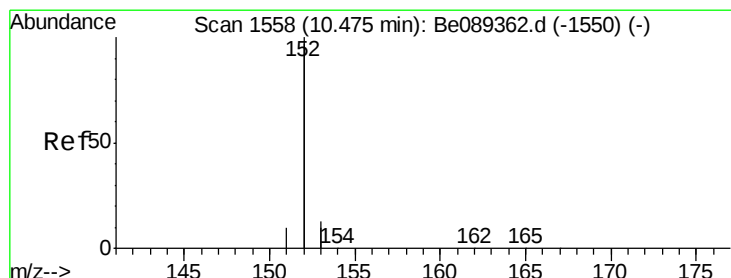
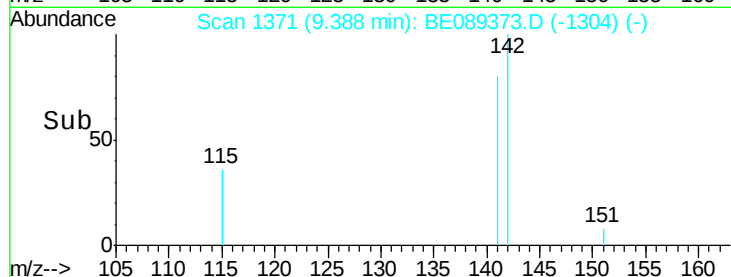
60

40

20

0

Time--> 9.35 9.40 9.45



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

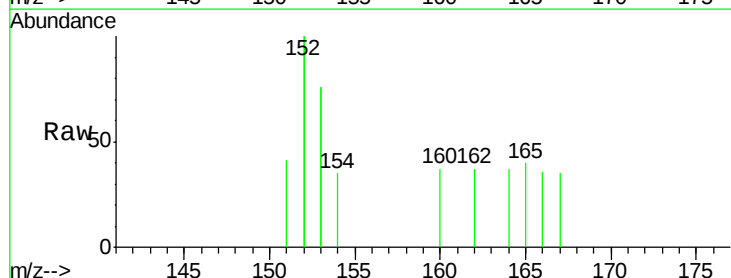
Tgt Ion:152 Resp: 146

Ion Ratio Lower Upper

152 100

151 20.6 4.0 6.0#

153 76.3 10.1 15.1#



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

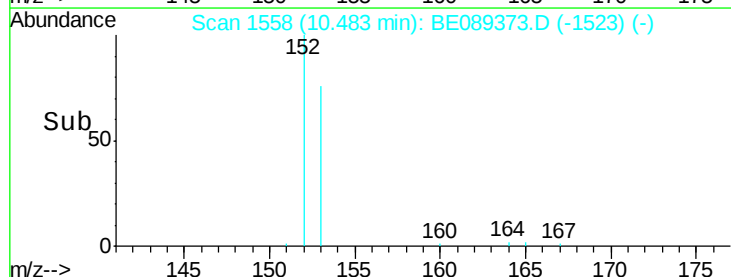
300

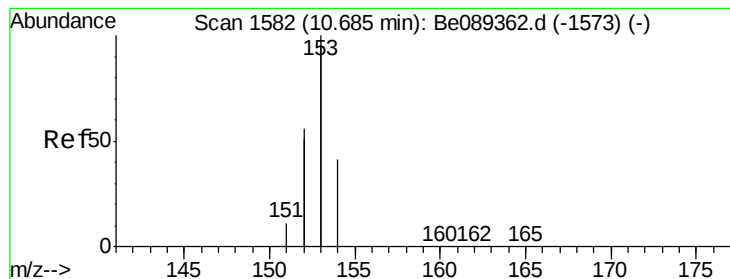
200

100

0

Time--> 10.40 10.50 10.60





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 10.69 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

Instrument :

BNA_E

ClientSampleId :

Y9RA3

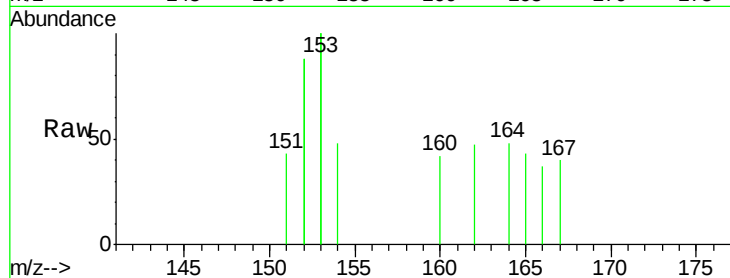
Tgt Ion:153 Resp: 137

Ion Ratio Lower Upper

153 100

152 88.1 32.6 49.0#

154 23.8 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

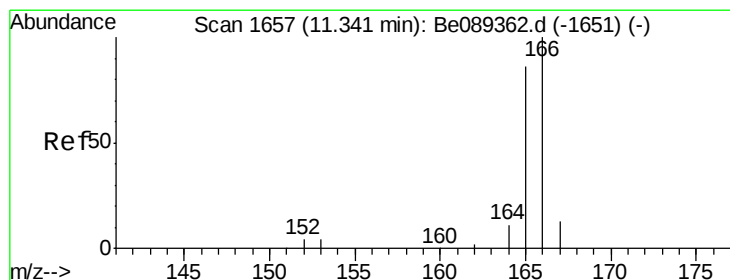
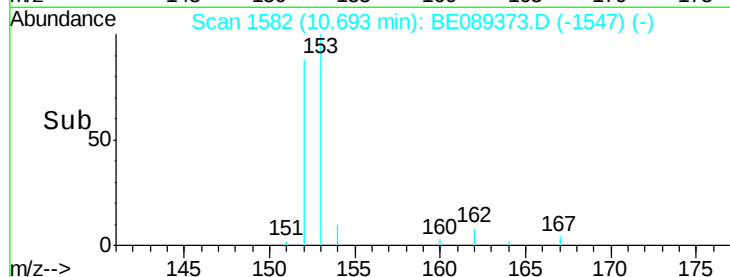
10.69

200

100

0

Time-->



#11

Fluorene

Concen: 0.00 ng/ul

RT: 11.34 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

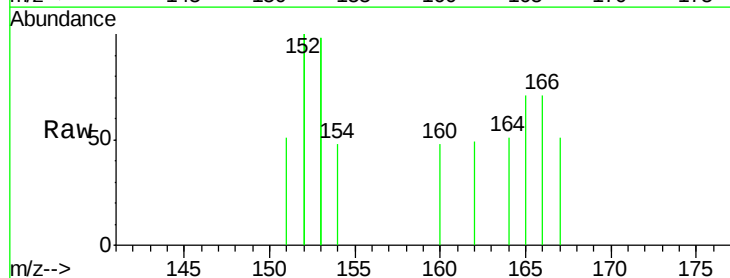
Tgt Ion:166 Resp: 33

Ion Ratio Lower Upper

166 100

165 100.0 70.3 105.5

167 72.1 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

11.34

80

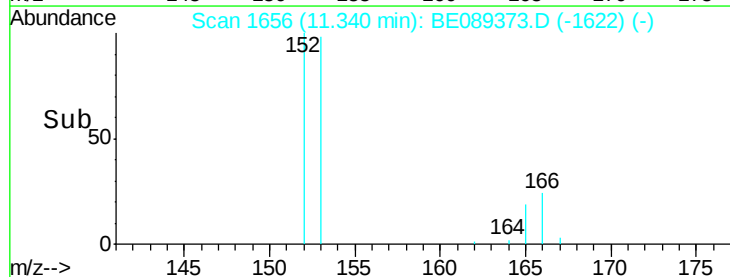
60

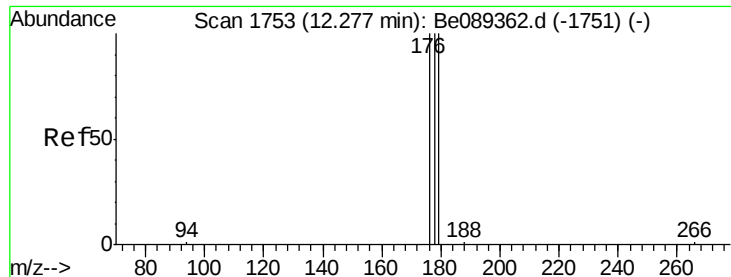
40

20

0

Time-->





#13

Pentachlorophenol

Concen: 0.88 ng/ul

RT: 12.03 min Scan# 1732

Delta R.T. -0.24 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

Instrument :

BNA_E

ClientSampleId :

Y9RA3

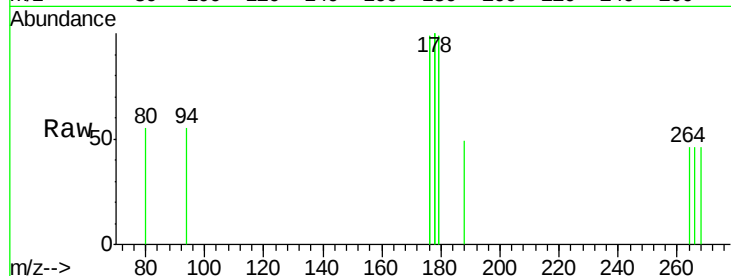
Tgt Ion:266 Resp: 331

Ion Ratio Lower Upper

266 100

264 203.9 48.7 73.1#

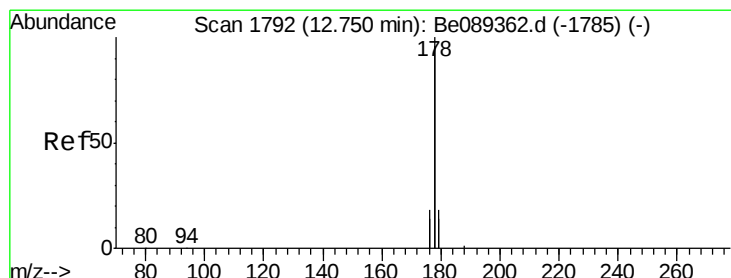
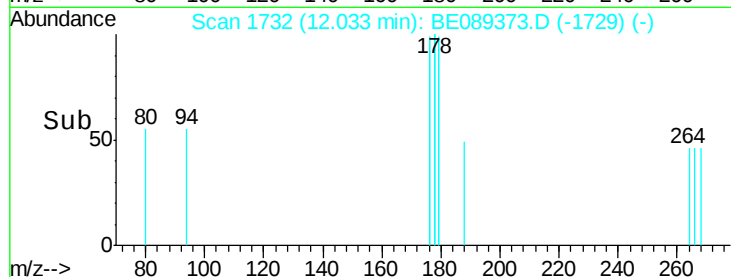
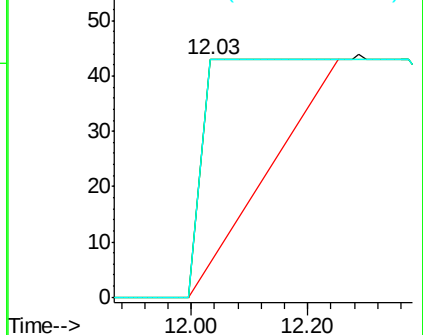
268 203.9 52.9 79.3#



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# 1791

Delta R.T. -0.00 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

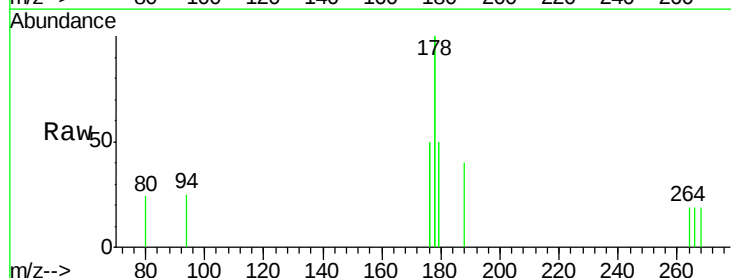
Tgt Ion:178 Resp: 434

Ion Ratio Lower Upper

178 100

176 50.4 14.3 21.5#

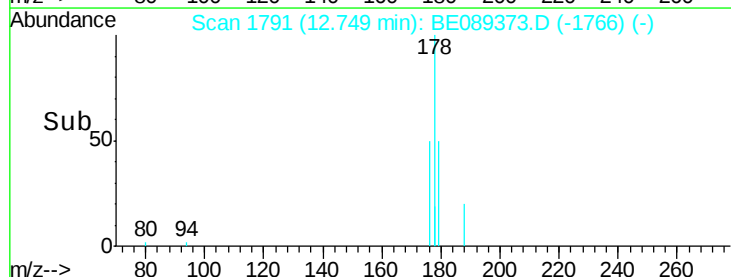
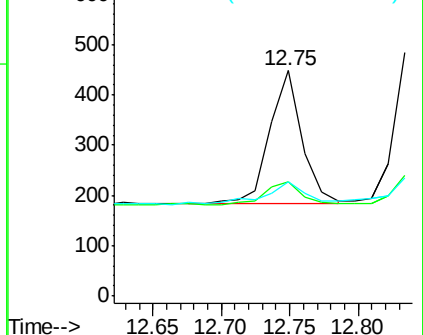
179 50.4 13.8 20.8#

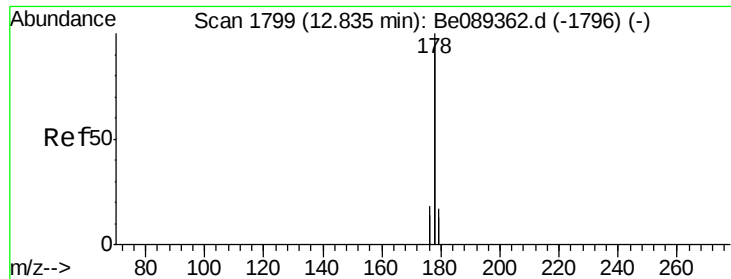


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.01 ng/ul

RT: 12.83 min Scan# 1798

Delta R.T. -0.00 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

Instrument :

BNA_E

ClientSampleId :

Y9RA3

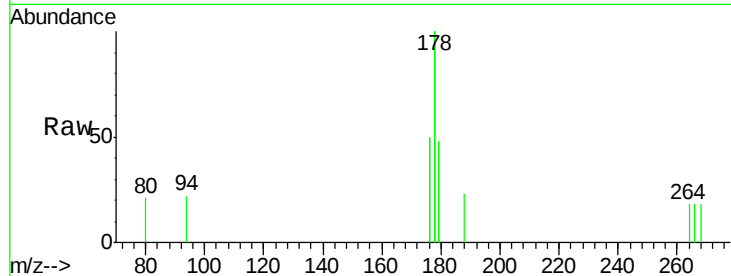
Tgt Ion:178 Resp: 496

Ion Ratio Lower Upper

178 100

176 49.6 14.7 22.1#

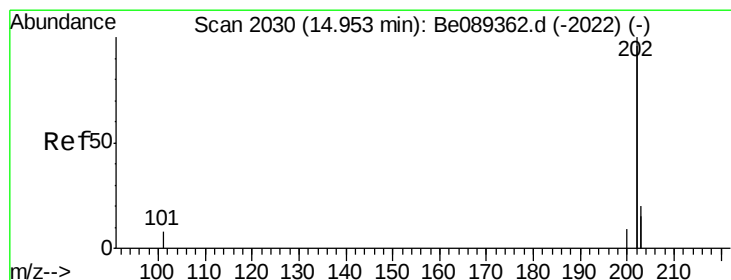
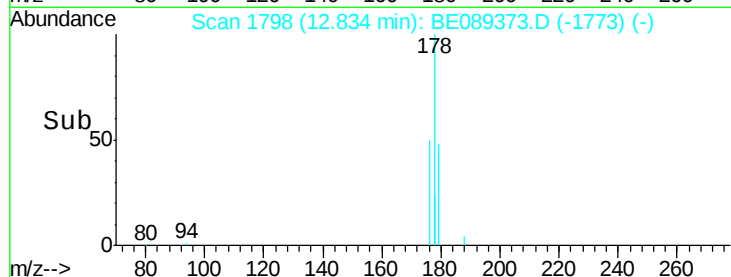
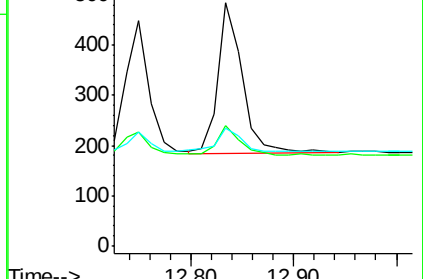
179 48.3 13.4 20.2#



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: 0.03 ng/ul

RT: 14.95 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

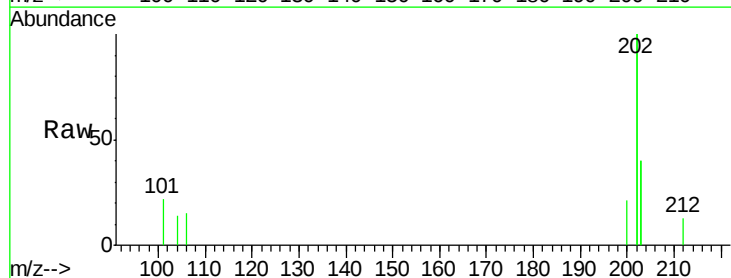
Tgt Ion:202 Resp: 868

Ion Ratio Lower Upper

202 100

101 11.2 0.0 24.6

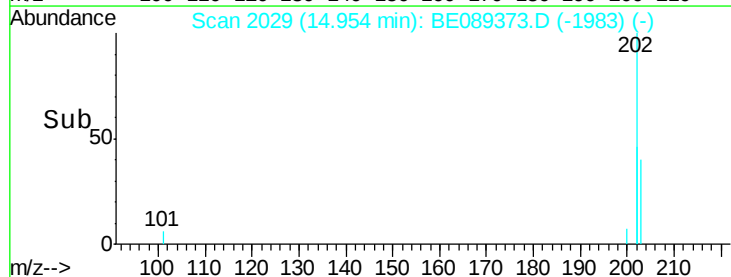
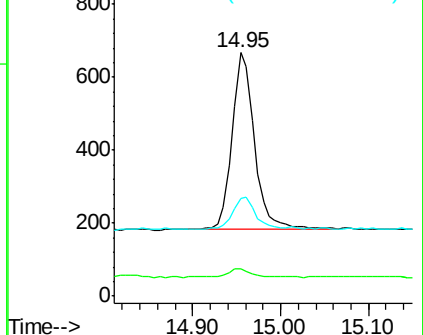
203 40.1 0.0 37.8#

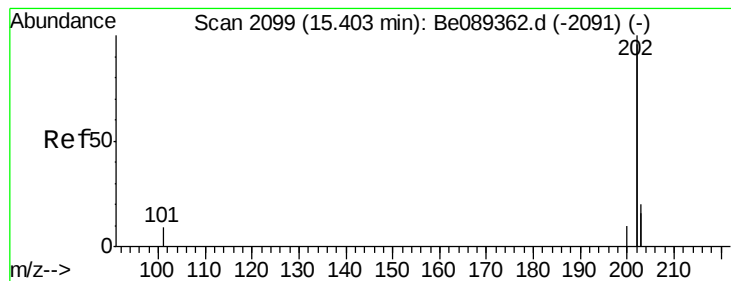


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.03 ng/ul

RT: 15.40 min Scan# 2098

Delta R.T. 0.00 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

Instrument :

BNA_E

ClientSampleId :

Y9RA3

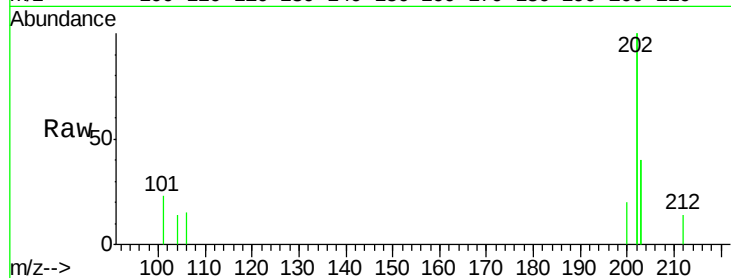
Tgt Ion:202 Resp: 963

Ion Ratio Lower Upper

202 100

200 10.1 4.2 6.4#

203 40.0 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

15.40

800

600

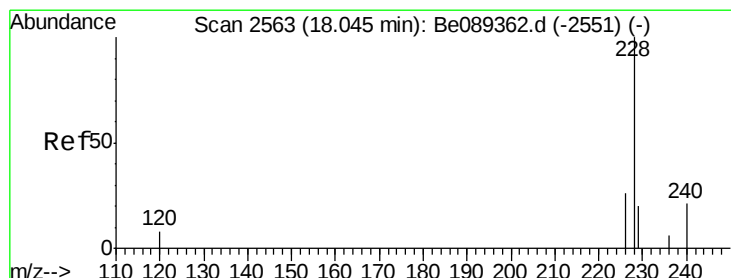
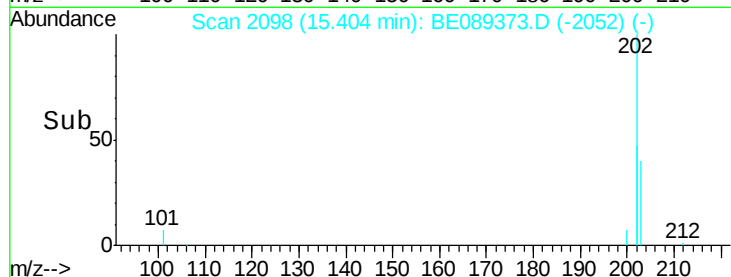
400

200

0

15.30 15.40 15.50

Time-->



#20

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 18.05 min Scan# 2563

Delta R.T. 0.00 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

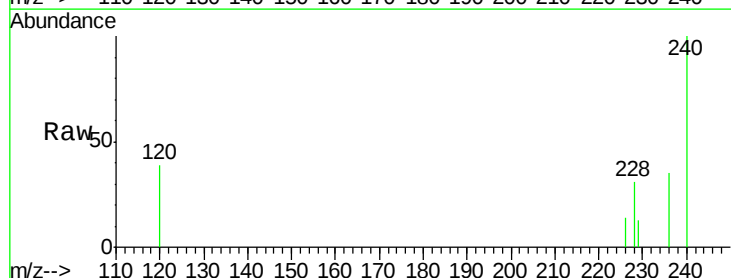
Tgt Ion:228 Resp: 226

Ion Ratio Lower Upper

228 100

226 45.4 21.9 32.9#

229 42.3 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

18.05

200

150

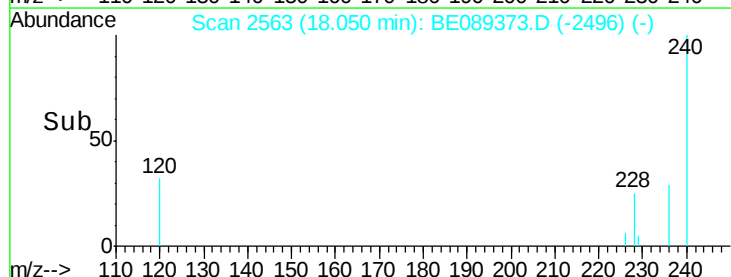
100

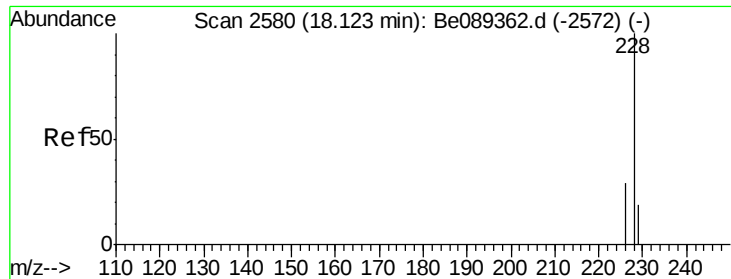
50

0

17.95 18.00 18.05 18.10

Time-->





#21

Chrysene

Concen: 0.03 ng/ul

RT: 18.12 min Scan# 2579

Delta R.T. -0.00 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

Instrument :

BNA_E

ClientSampleId :

Y9RA3

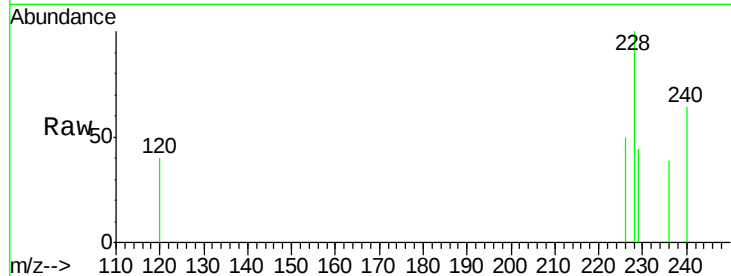
Tgt Ion:228 Resp: 228

Ion Ratio Lower Upper

228 100

226 50.0 23.9 35.9#

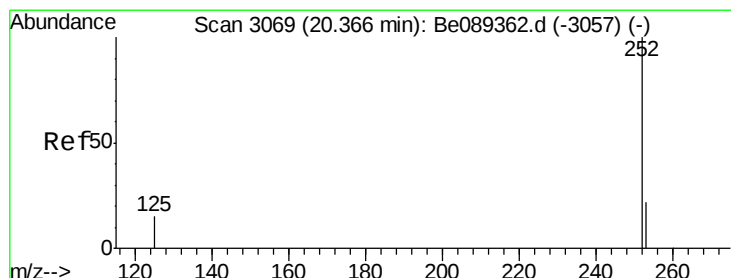
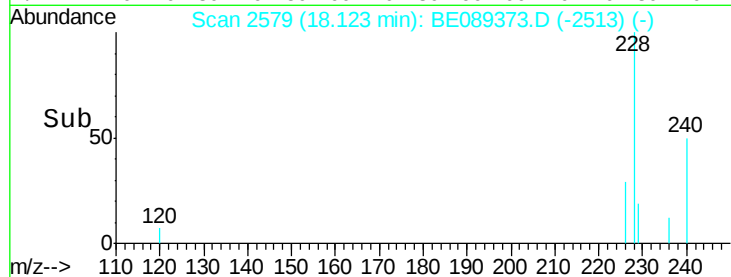
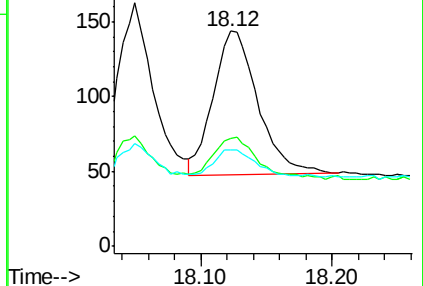
229 44.4 16.8 25.2#



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: 0.03 ng/ul

RT: 20.38 min Scan# 3070

Delta R.T. 0.01 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

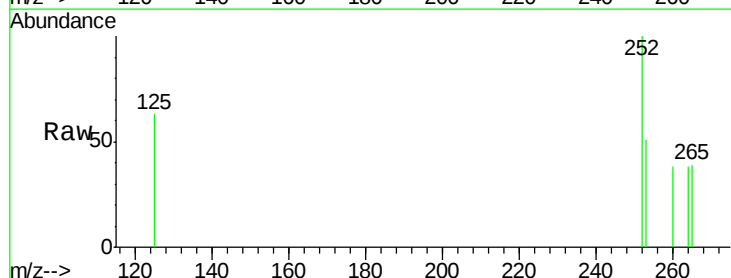
Tgt Ion:252 Resp: 164

Ion Ratio Lower Upper

252 100

253 51.3 0.0 47.8#

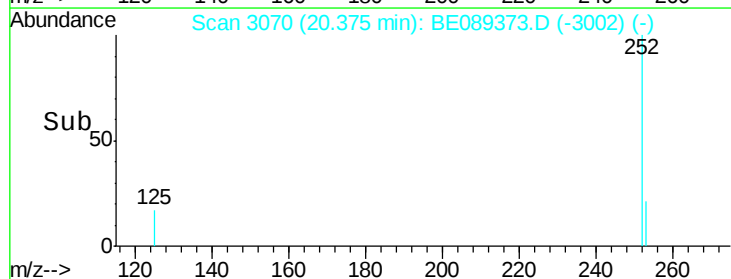
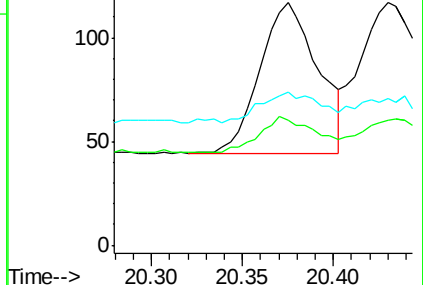
125 63.2 0.0 34.2#

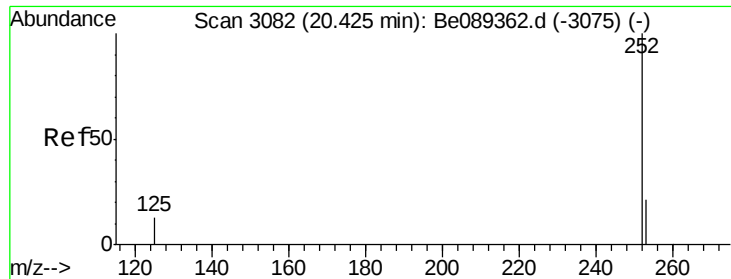


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 20.43 min Scan# 3082

Delta R.T. 0.01 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

Instrument :

BNA_E

ClientSampleId :

Y9RA3

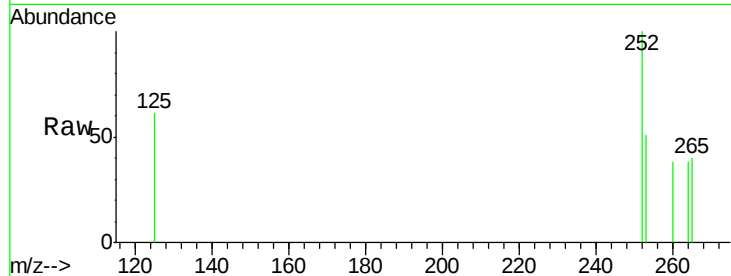
Tgt Ion:252 Resp: 206

Ion Ratio Lower Upper

252 100

253 51.3 19.0 28.6#

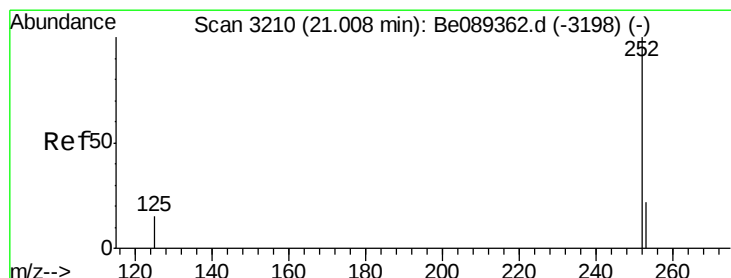
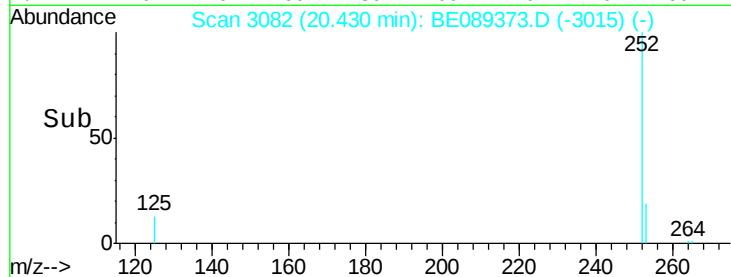
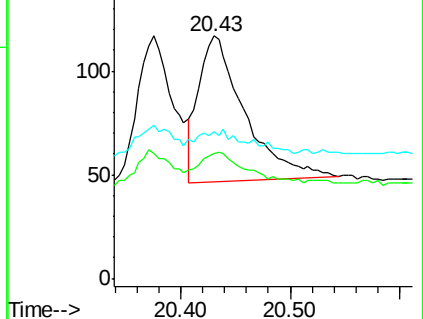
125 60.7 13.5 20.3#



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: 0.03 ng/ul

RT: 21.01 min Scan# 3210

Delta R.T. 0.01 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

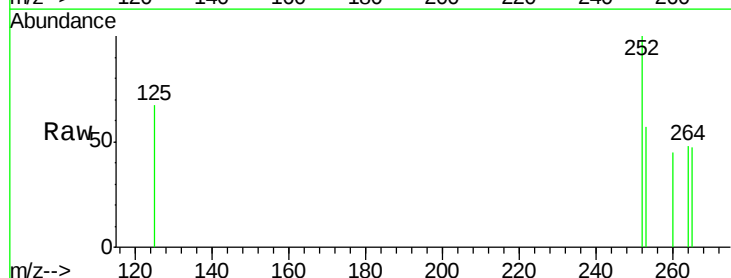
Tgt Ion:252 Resp: 166

Ion Ratio Lower Upper

252 100

253 56.9 19.7 29.5#

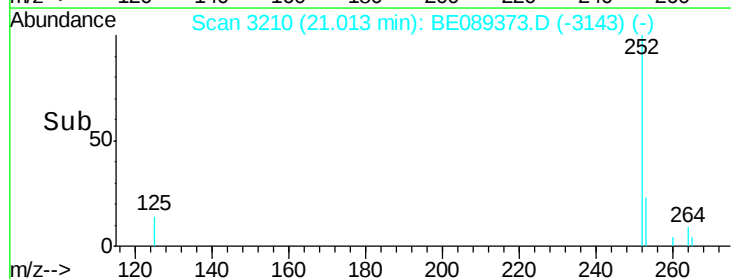
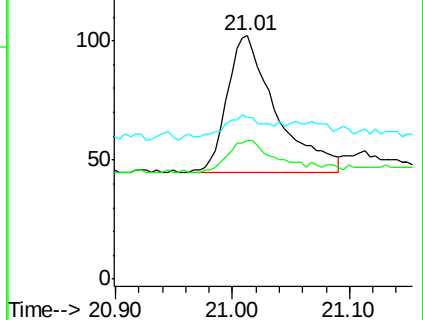
125 66.7 15.0 22.6#

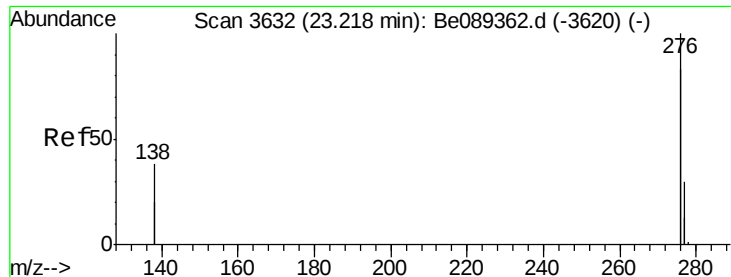


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.03 ng/ul

RT: 23.24 min Scan# 3634

Delta R.T. 0.02 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

Instrument :

BNA_E

ClientSampleId :

Y9RA3

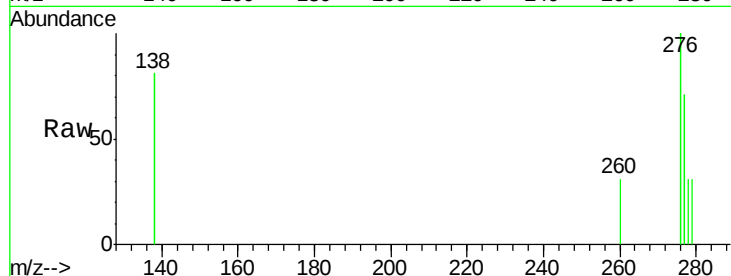
Tgt Ion: 276 Resp: 429

Ion Ratio Lower Upper

276 100

138 24.2 23.8 35.8

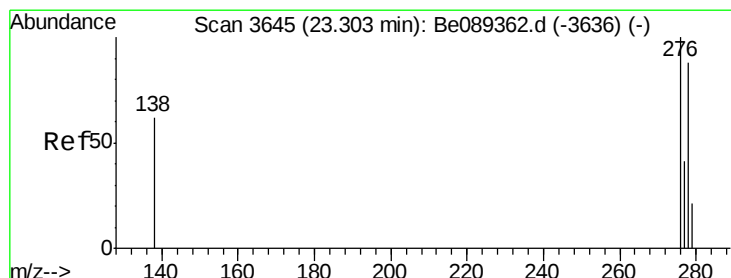
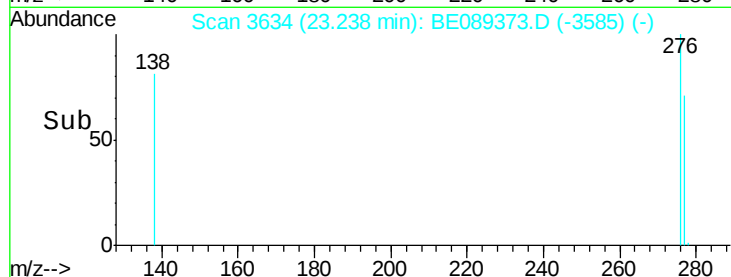
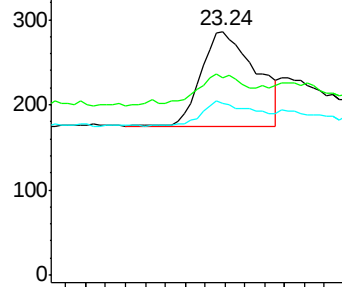
277 25.4 18.9 28.3



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: 0.02 ng/ul

RT: 23.32 min Scan# 3646

Delta R.T. 0.01 min

Lab File: BE089373.D

Acq: 8 Jan 2015 19:22

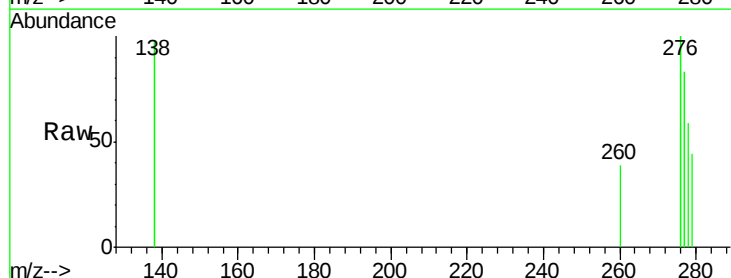
Tgt Ion: 278 Resp: 106

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

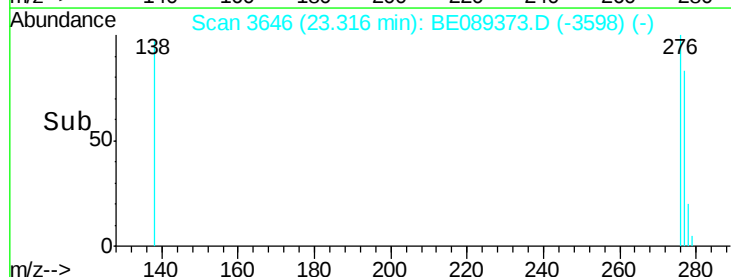
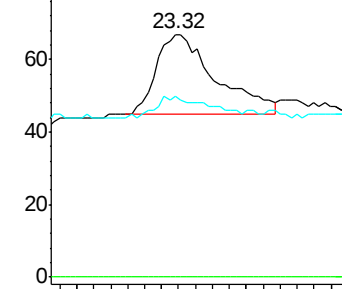
279 74.6 24.0 36.0#

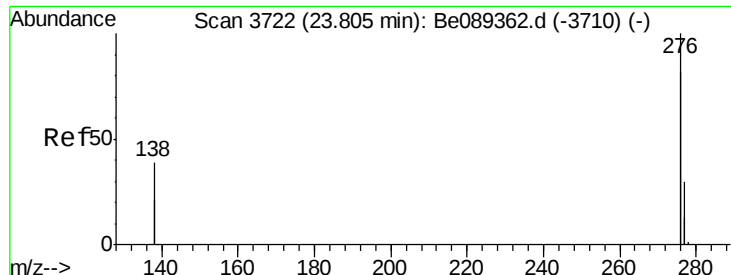


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.03 ng/ul

RT: 23.83 min Scan# 3725

Delta R.T. 0.03 min

Lab File: BE089373.D

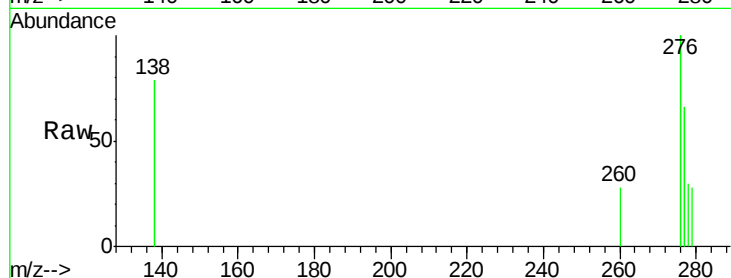
Acq: 8 Jan 2015 19:22

Instrument :

BNA_E

ClientSampleId :

Y9RA3



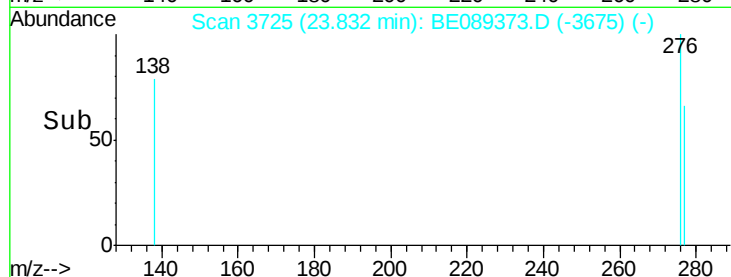
Tgt Ion: 276 Resp: 684

Ion Ratio Lower Upper

276 100

277 66.5 22.3 33.5#

138 78.7 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

