

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010215\
 Data File : BE089307.D
 Acq On : 2 Jan 2015 15:56
 Operator : TP/IZ
 Sample : F5245-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RC4

Quant Time: Jan 02 22:53:01 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	2090	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	8198	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	4116	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	6304	0.40	ng/ul	0.00
18) Chrysene-d12	18.06	240	3946	0.40	ng/ul	0.00
22) Perylene-d12	21.11	264	3077	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.19	96	890	0.28	ng/uL	0.03
6) 2-Methylnaphthalene-d10	9.15	152	46	0.00	ng/ul	-0.20
16) Fluoranthene-d10	14.92	212	1	0.00	ng/ul	0.00

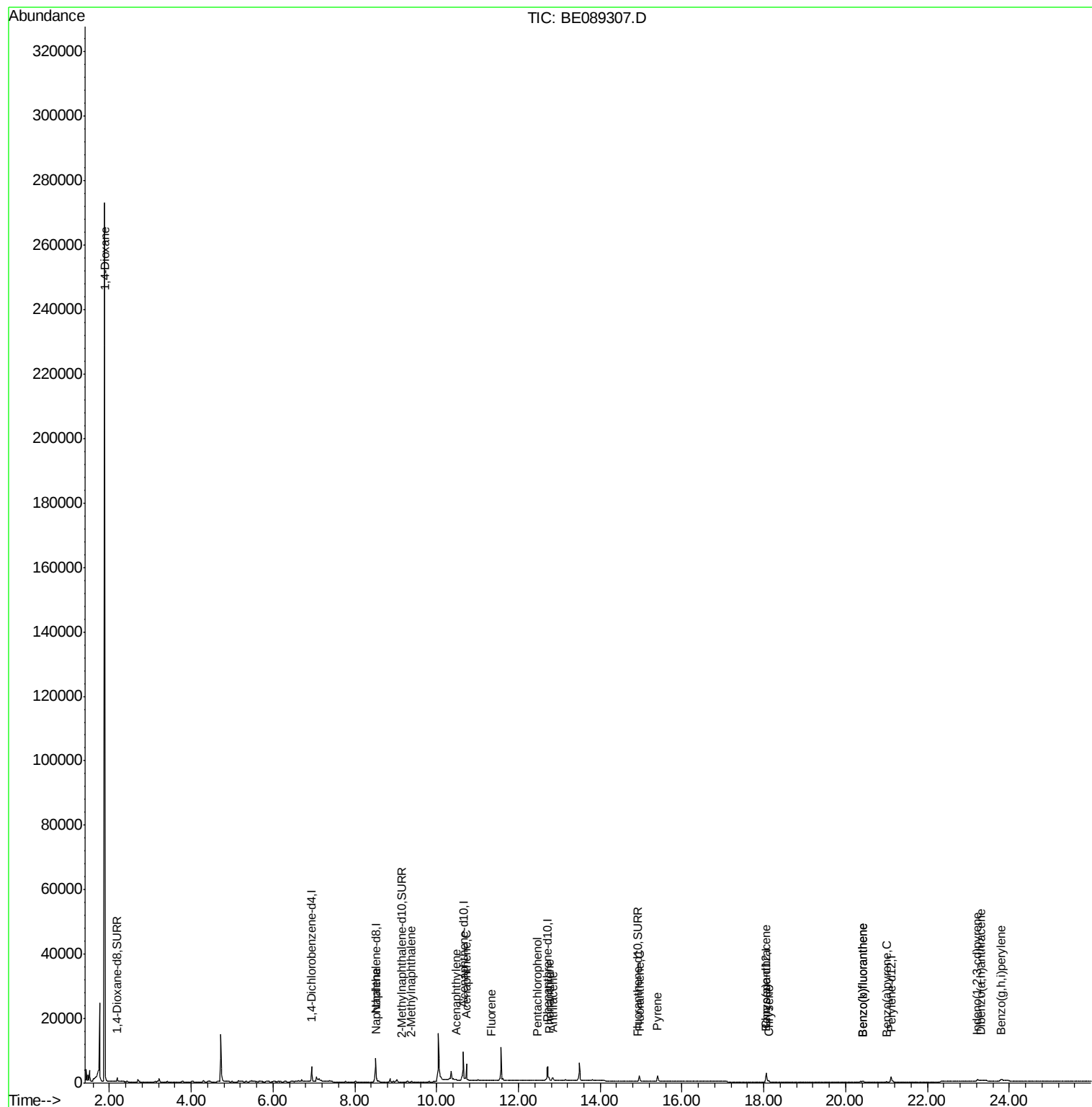
Target Compounds				Qvalue		
3) 1,4-Dioxane	1.88	88	8569	2.45	ng/ul#	1
5) Naphthalene	8.53	128	805	0.04	ng/ul#	84
7) 2-Methylnaphthalene	9.39	142	193	0.02	ng/ul	89
9) Acenaphthylene	10.47	152	219	0.00	ng/ul#	1
10) Acenaphthene	10.73	153	6569	0.15	ng/ul#	48
11) Fluorene	11.34	166	80	0.01	ng/ul#	74
13) Pentachlorophenol	12.46	266	1	0.00	ng/ul#	40
14) Phenanthrene	12.75	178	1263	0.02	ng/ul#	57
15) Anthracene	12.83	178	1290	0.02	ng/ul#	61
17) Fluoranthene	14.95	202	2814	0.05	ng/ul	83
19) Pyrene	15.40	202	2979	0.06	ng/ul#	83
20) Benzo(a)anthracene	18.04	228	622	0.07	ng/ul#	83
21) Chrysene	18.12	228	689	0.06	ng/ul#	81
23) Benzo(b)fluoranthene	20.42	252	643	0.08	ng/ul	71
24) Benzo(k)fluoranthene	20.42	252	643	0.06	ng/ul#	70
25) Benzo(a)pyrene	21.00	252	439	0.06	ng/ul#	64
26) Indeno(1,2,3-cd)pyrene	23.22	276	1825	0.08	ng/ul#	78
27) Dibenzo(a,h)anthracene	23.31	278	333	0.05	ng/ul#	52
28) Benzo(g,h,i)perylene	23.81	276	1813	0.06	ng/ul#	57

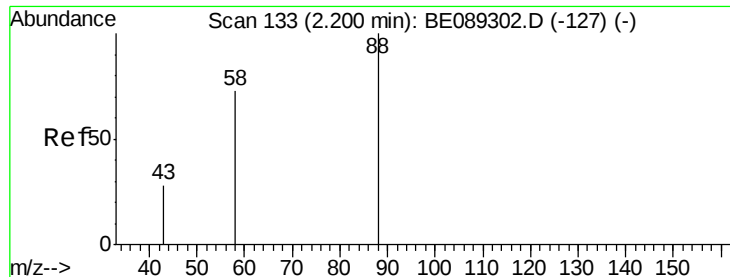
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.45 ng/ul

RT: 1.88 min Scan# 80

Delta R.T. -0.32 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

Instrument :

BNA_E

ClientSampleId :

Y9RC4

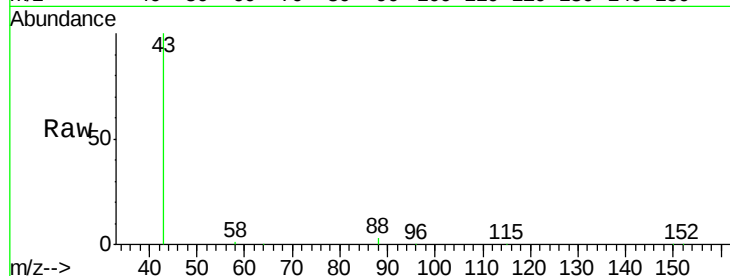
Tgt Ion: 88 Resp: 8569

Ion Ratio Lower Upper

88 100

58 29.9 61.5 92.3#

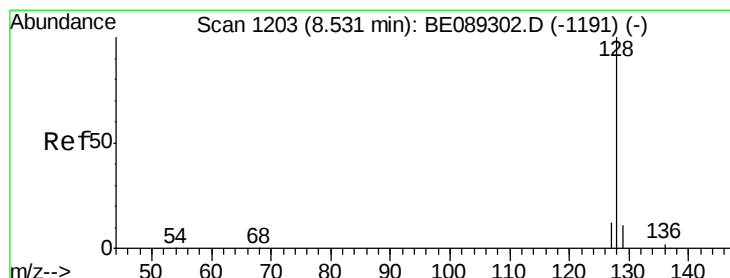
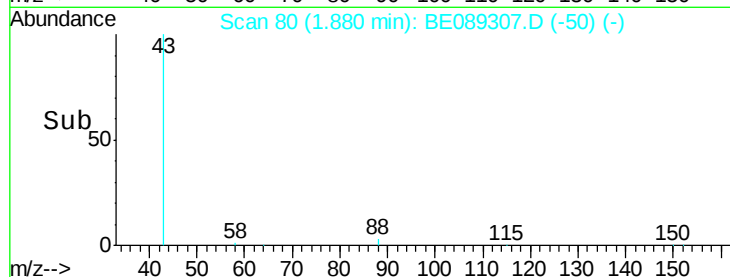
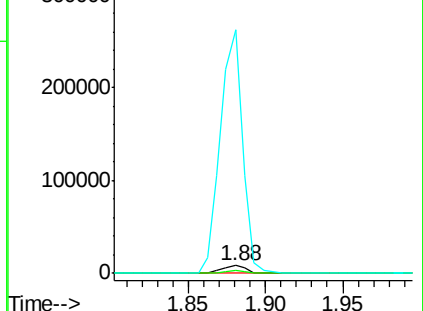
43 3073.9 23.9 35.9#



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



#5

Naphthalene

Concen: 0.04 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

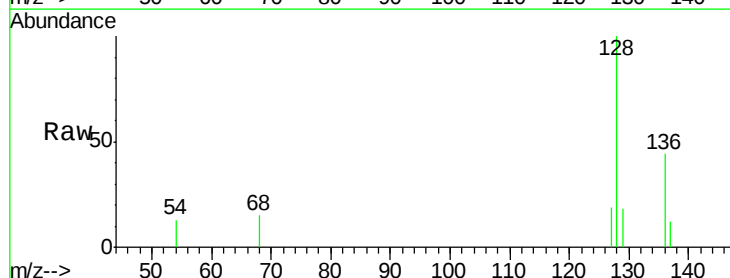
Tgt Ion: 128 Resp: 805

Ion Ratio Lower Upper

128 100

129 17.6 9.1 13.7#

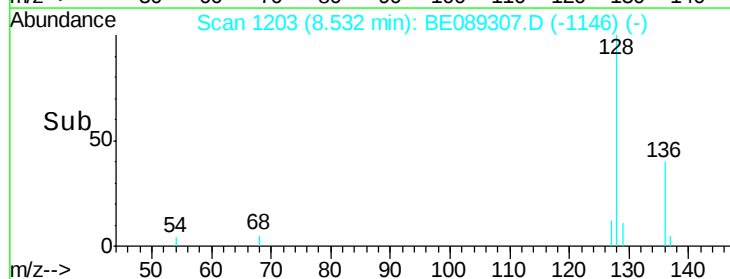
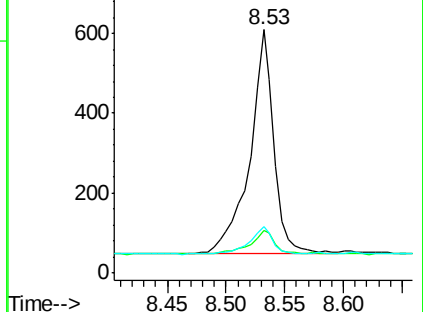
127 19.0 10.0 15.0#

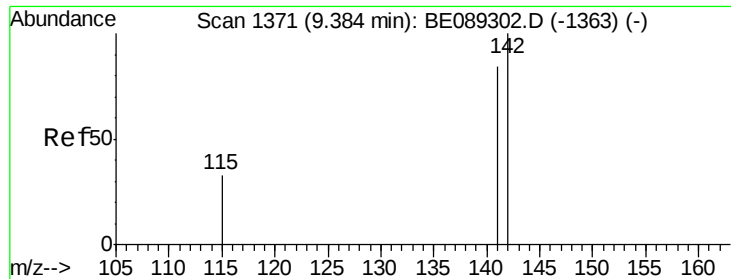


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 9.39 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

Instrument :

BNA_E

ClientSampleId :

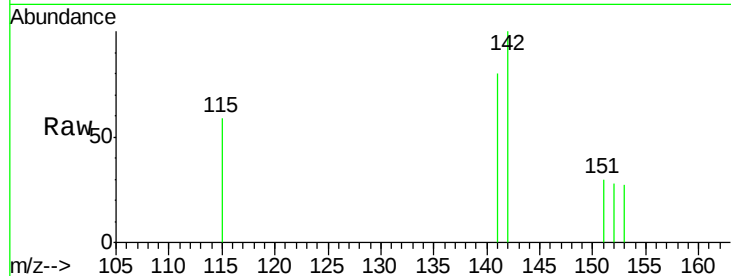
Y9RC4

Tgt Ion:142 Resp: 193

Ion Ratio Lower Upper

142 100

141 91.7 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

150

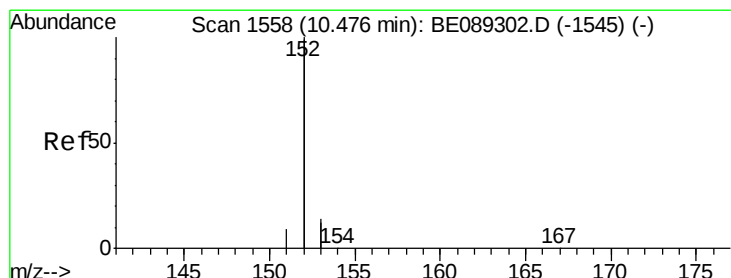
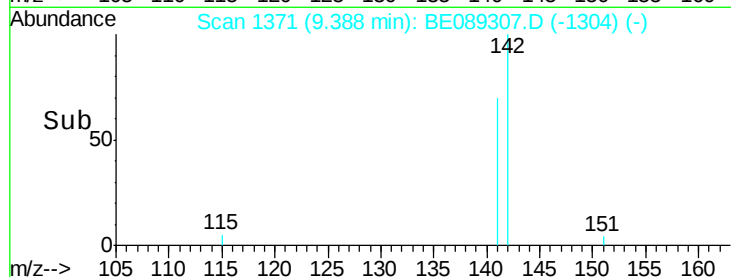
100

50

0

9.35 9.40 9.45

Time-->



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.47 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

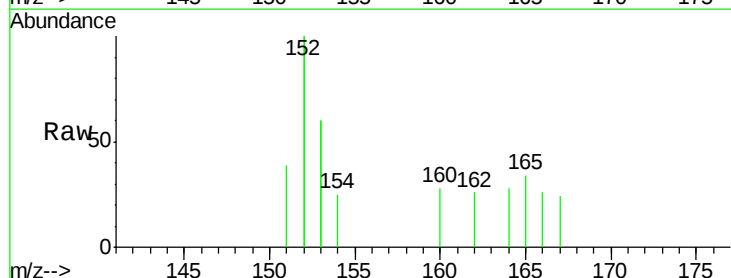
Tgt Ion:152 Resp: 219

Ion Ratio Lower Upper

152 100

151 19.6 4.0 6.0#

153 60.3 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

10.47

400

300

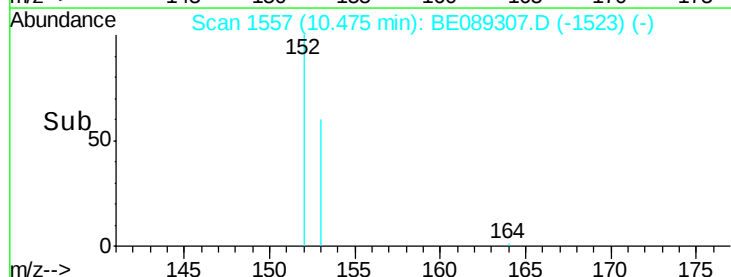
200

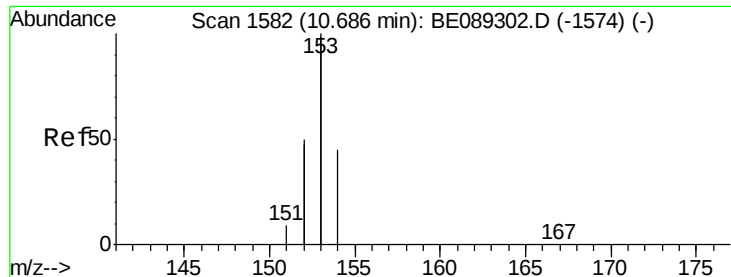
100

0

10.45 10.50

Time-->





#10

Acenaphthene

Concen: 0.15 ng/ul

RT: 10.73 min Scan# 1586

Delta R.T. 0.04 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

Instrument :

BNA_E

ClientSampleId :

Y9RC4

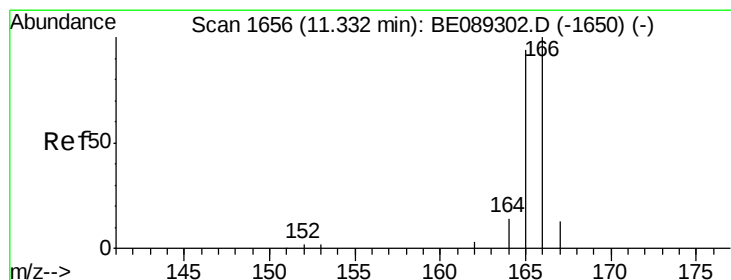
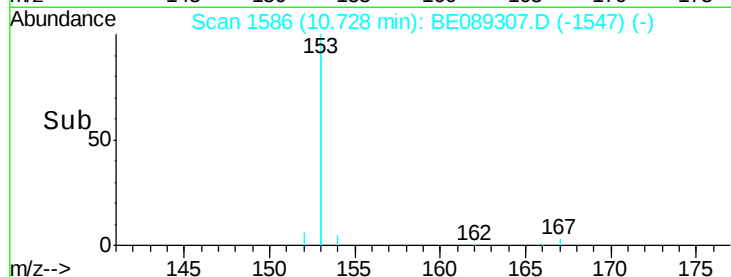
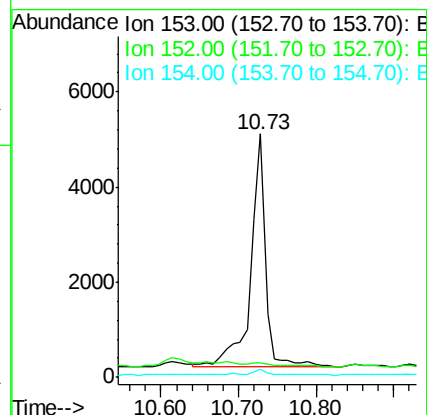
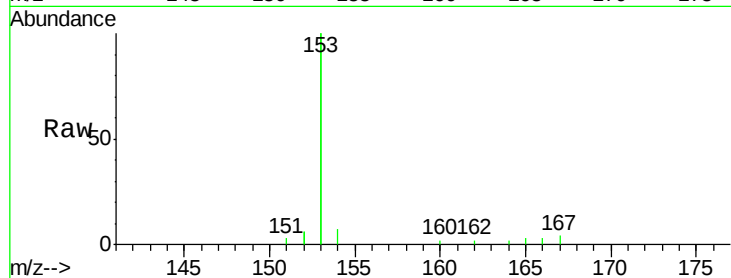
Tgt Ion:153 Resp: 6569

Ion Ratio Lower Upper

153 100

152 6.1 32.6 49.0#

154 3.3 21.8 32.6#



#11

Fluorene

Concen: 0.01 ng/ul

RT: 11.34 min Scan# 1656

Delta R.T. 0.01 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

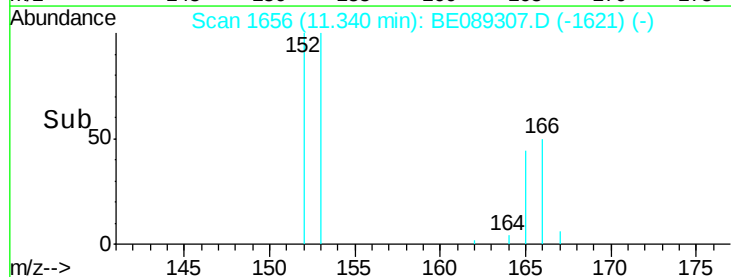
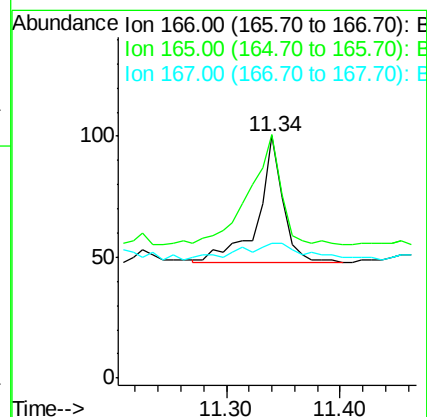
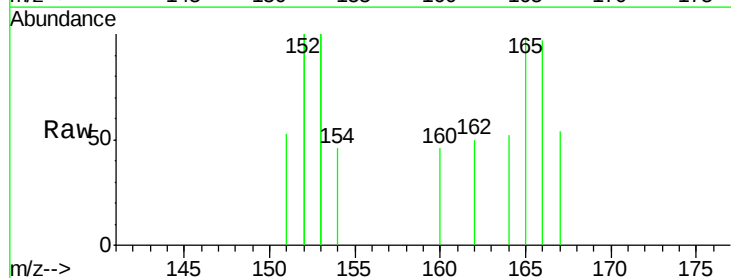
Tgt Ion:166 Resp: 80

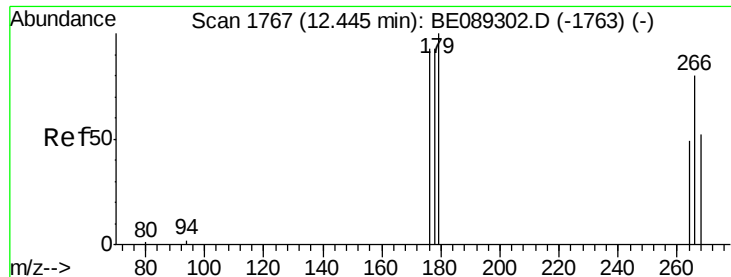
Ion Ratio Lower Upper

166 100

165 101.0 70.3 105.5

167 56.0 11.5 17.3#





#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 12.46 min Scan# 1767

Delta R.T. 0.01 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

Instrument :

BNA_E

ClientSampleId :

Y9RC4

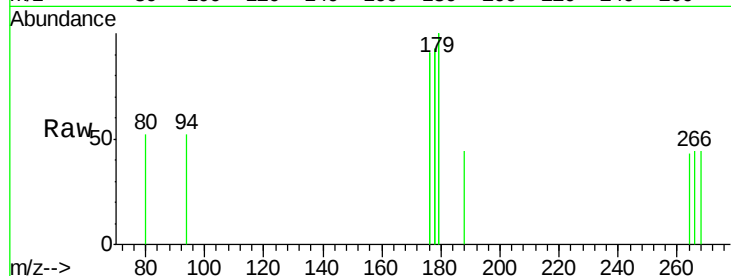
Tgt Ion: 266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 48.7 73.1#

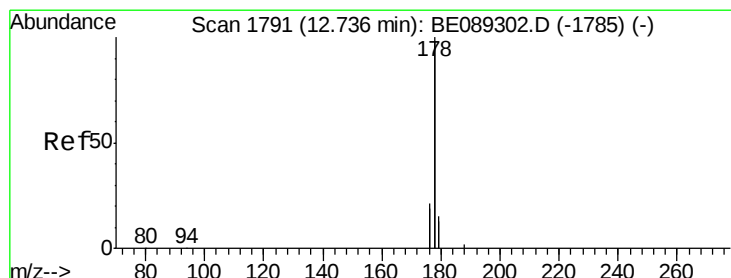
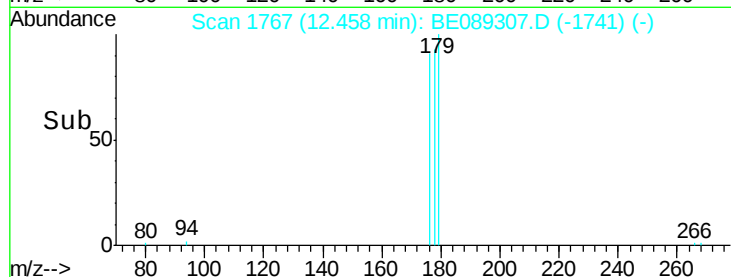
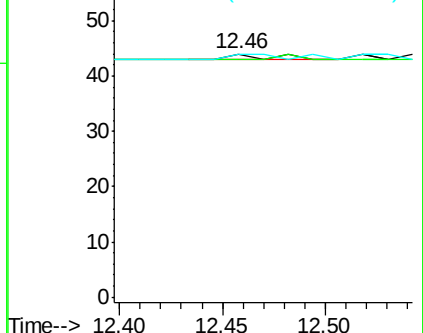
268 100.0 52.9 79.3#



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# 1791

Delta R.T. 0.01 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

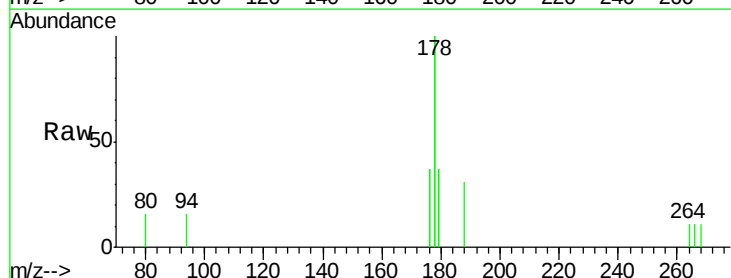
Tgt Ion: 178 Resp: 1263

Ion Ratio Lower Upper

178 100

176 36.5 14.3 21.5#

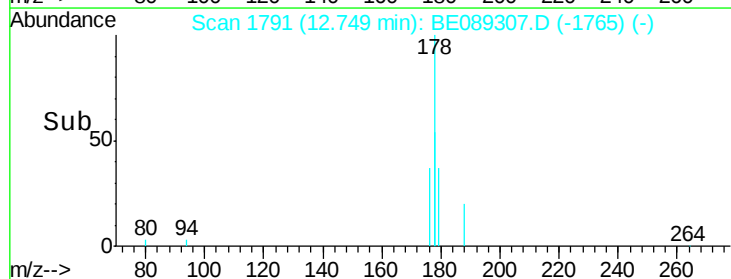
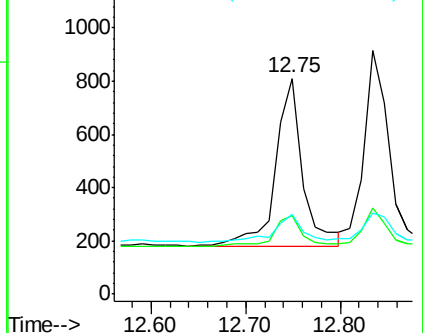
179 36.8 13.8 20.8#

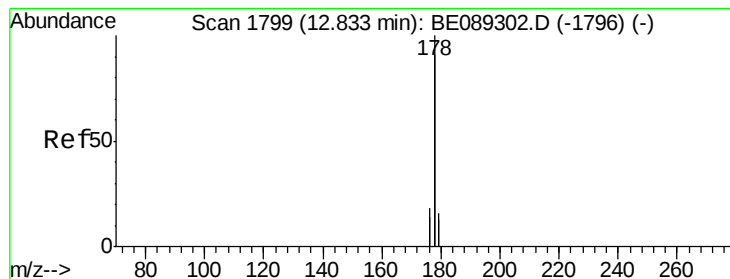


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.02 ng/ul

RT: 12.83 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

Instrument :

BNA_E

ClientSampleId :

Y9RC4

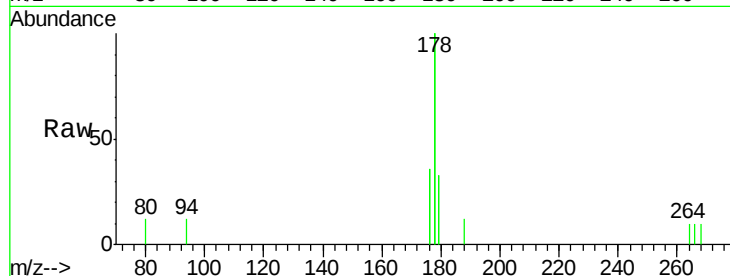
Tgt Ion:178 Resp: 1290

Ion Ratio Lower Upper

178 100

176 35.7 14.7 22.1#

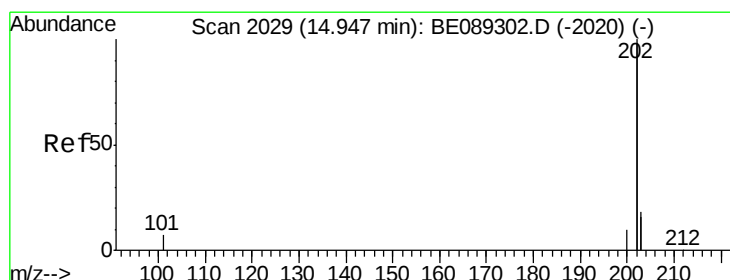
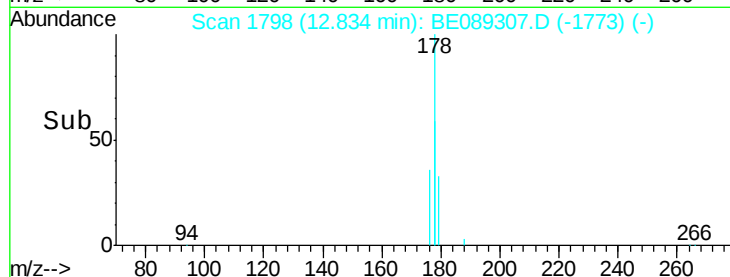
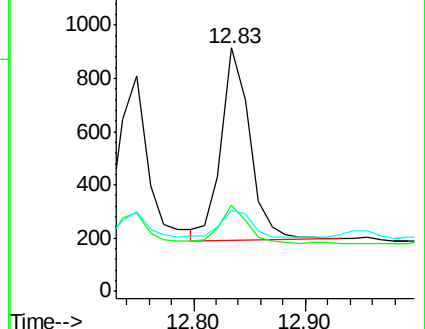
179 33.5 13.4 20.2#



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: 14.95 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

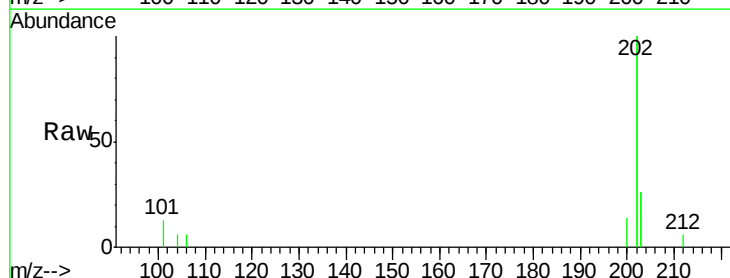
Tgt Ion:202 Resp: 2814

Ion Ratio Lower Upper

202 100

101 6.4 0.0 24.6

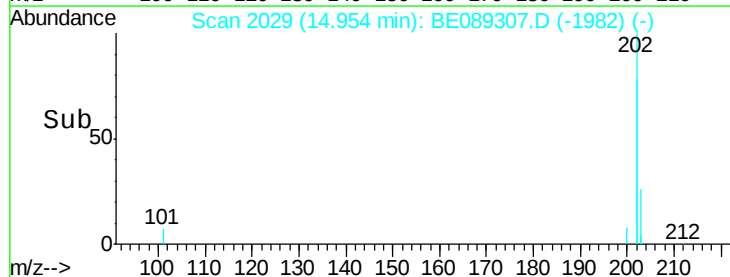
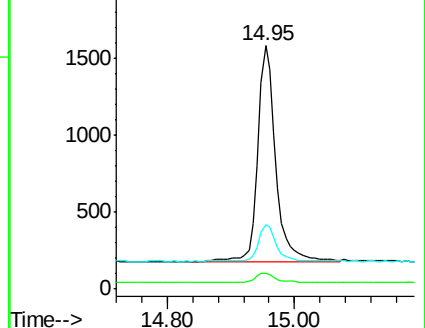
203 26.4 0.0 37.8

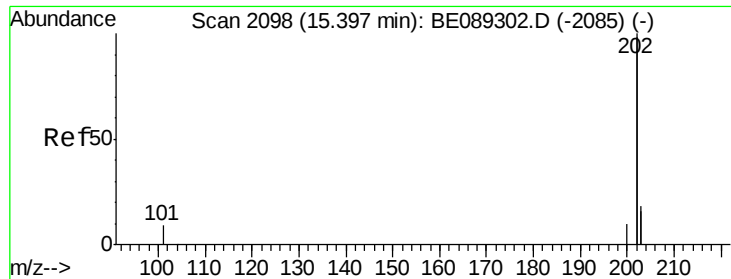


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.06 ng/ul

RT: 15.40 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

Instrument :

BNA_E

ClientSampleId :

Y9RC4

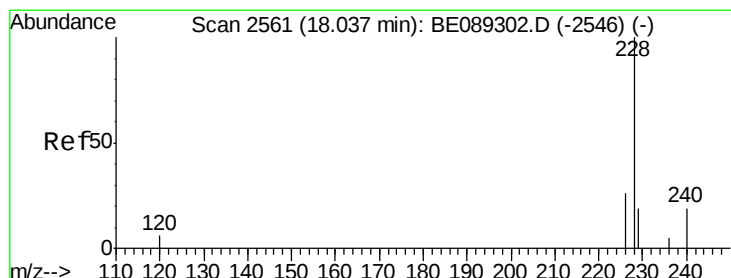
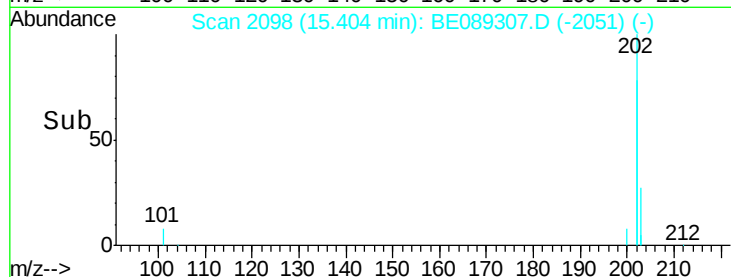
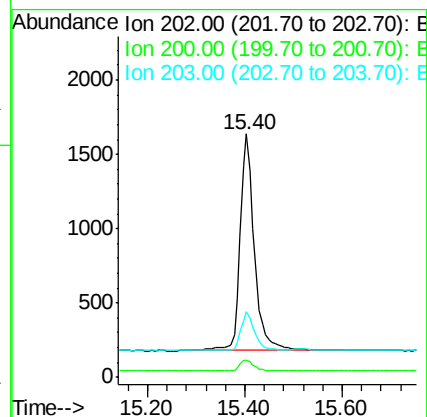
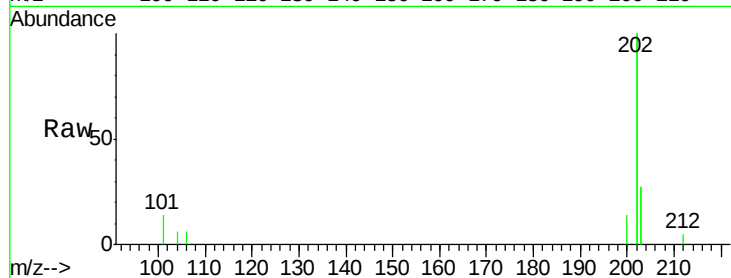
Tgt Ion:202 Resp: 2979

Ion Ratio Lower Upper

202 100

200 6.8 4.2 6.4#

203 27.2 14.4 21.6#



#20

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 18.04 min Scan# 2561

Delta R.T. 0.00 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

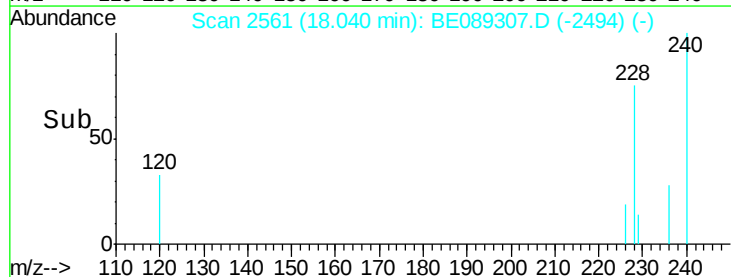
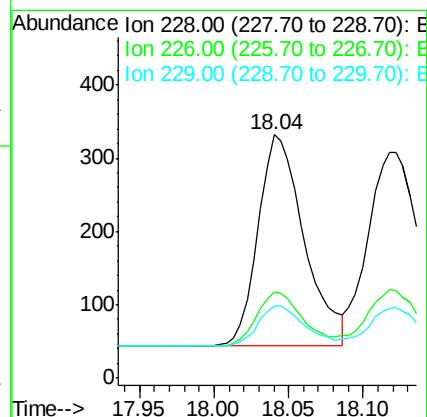
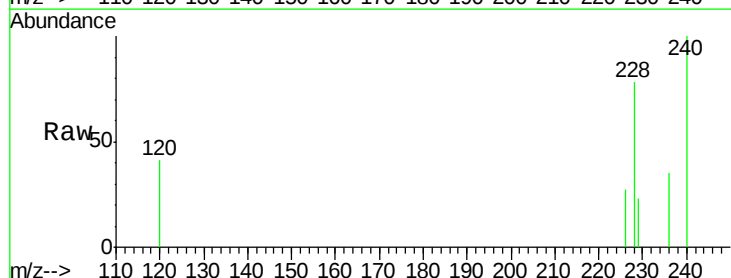
Tgt Ion:228 Resp: 622

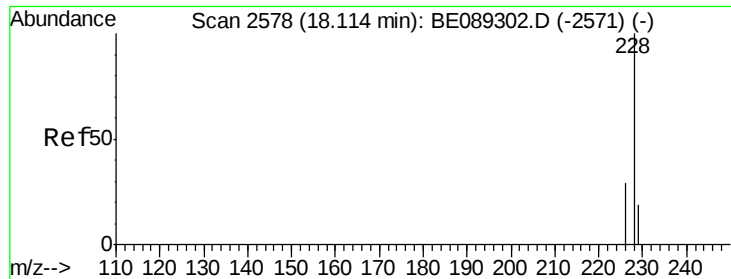
Ion Ratio Lower Upper

228 100

226 35.2 21.9 32.9#

229 29.8 16.9 25.3#





#21

Chrysene

Concen: 0.06 ng/ul

RT: 18.12 min Scan# 2578

Delta R.T. 0.00 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

Instrument :

BNA_E

ClientSampleId :

Y9RC4

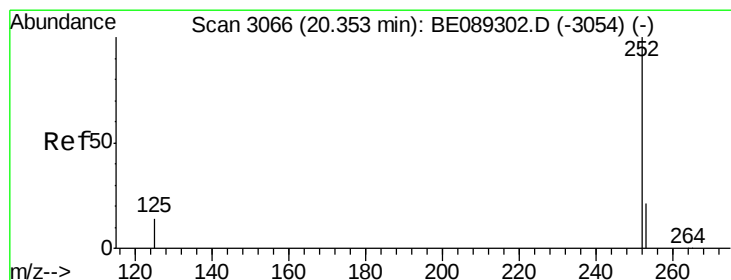
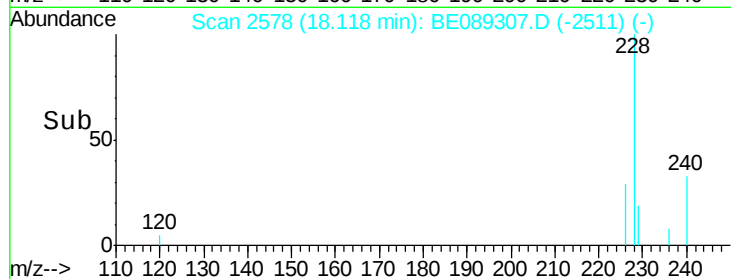
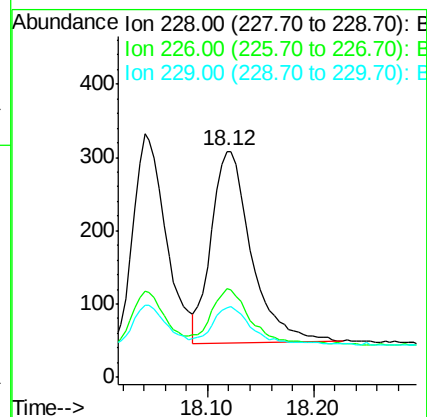
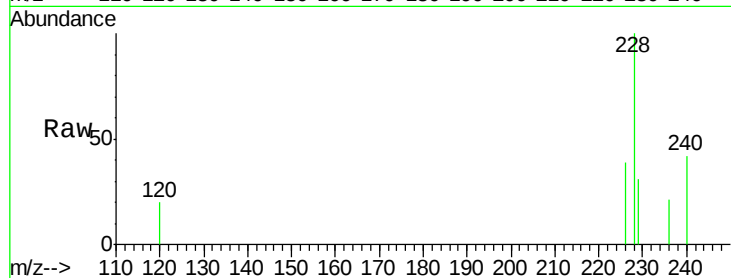
Tgt Ion:228 Resp: 689

Ion Ratio Lower Upper

228 100

226 39.3 23.9 35.9#

229 30.8 16.8 25.2#



#23

Benzo(b)fluoranthene

Concen: 0.08 ng/ul

RT: 20.42 min Scan# 3081

Delta R.T. 0.07 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

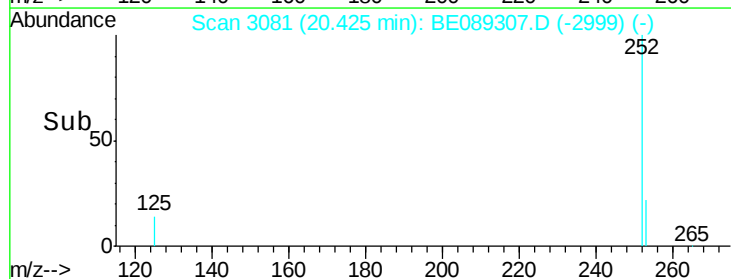
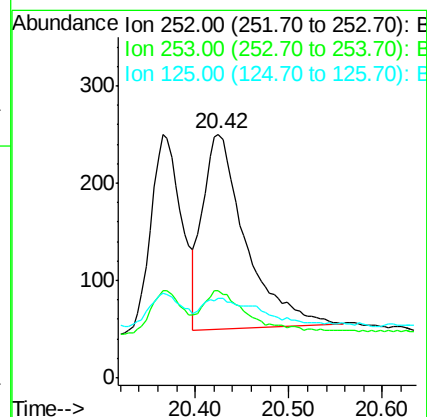
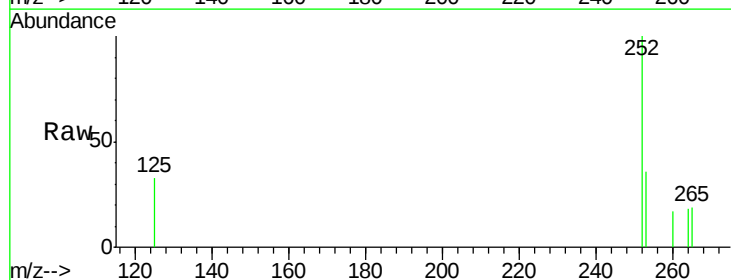
Tgt Ion:252 Resp: 643

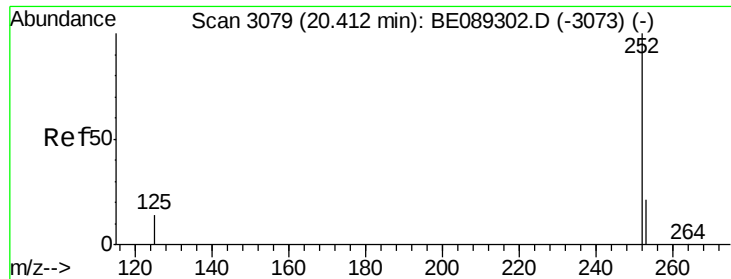
Ion Ratio Lower Upper

252 100

253 36.0 0.0 47.8

125 32.8 0.0 34.2





#24

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 20.42 min Scan# 3081

Delta R.T. 0.01 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

Instrument :

BNA_E

ClientSampleId :

Y9RC4

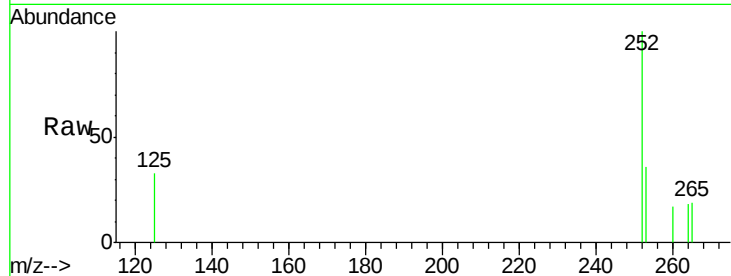
Tgt Ion:252 Resp: 643

Ion Ratio Lower Upper

252 100

253 36.0 19.0 28.6#

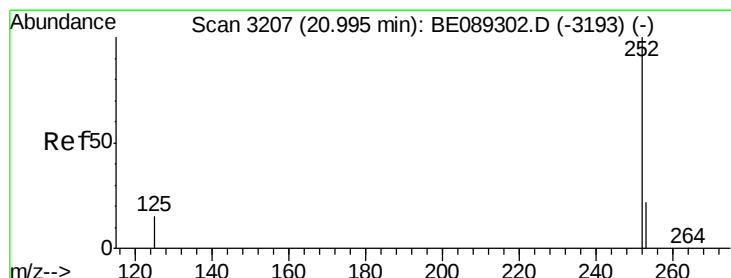
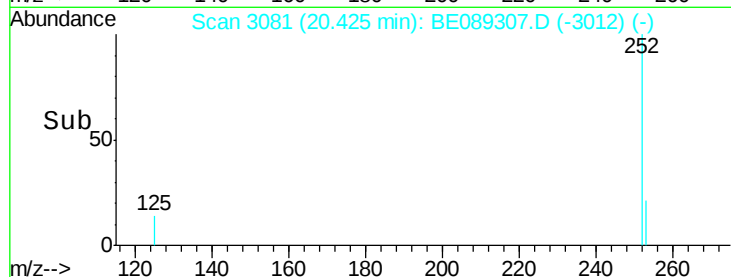
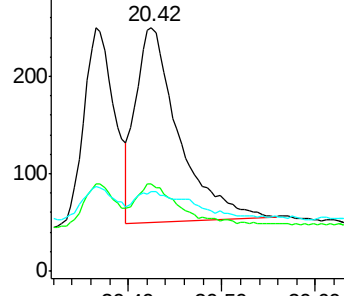
125 32.8 13.5 20.3#



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: 0.06 ng/ul

RT: 21.00 min Scan# 3208

Delta R.T. 0.01 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

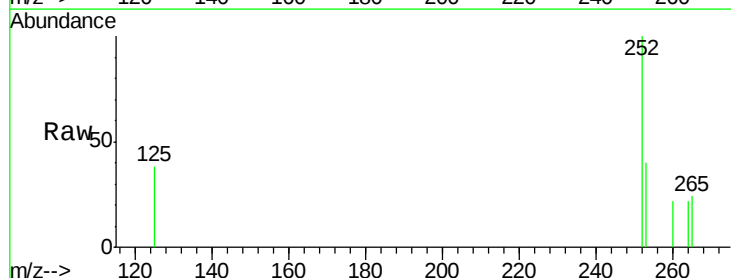
Tgt Ion:252 Resp: 439

Ion Ratio Lower Upper

252 100

253 40.3 19.7 29.5#

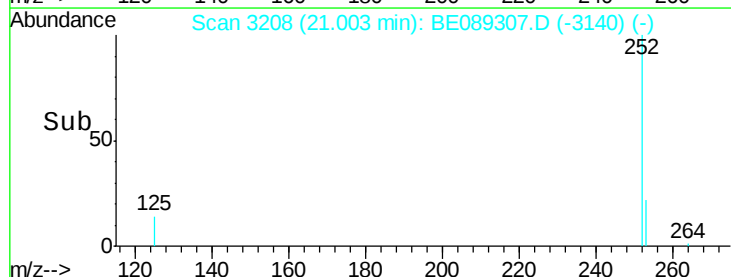
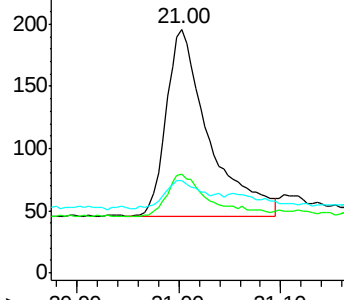
125 37.8 15.0 22.6#

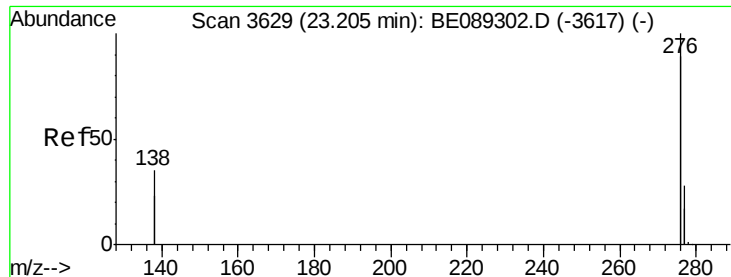


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.22 min Scan# 3631

Delta R.T. 0.02 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

Instrument :

BNA_E

ClientSampleId :

Y9RC4

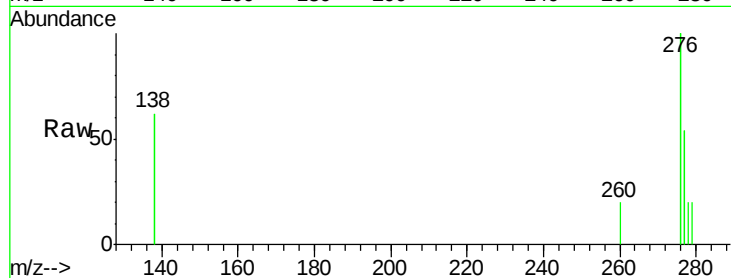
Tgt Ion: 276 Resp: 1825

Ion Ratio Lower Upper

276 100

138 17.9 23.8 35.8#

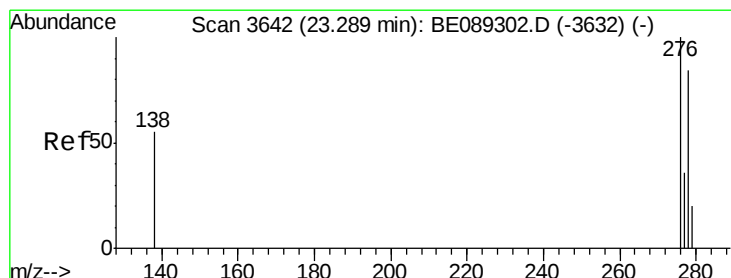
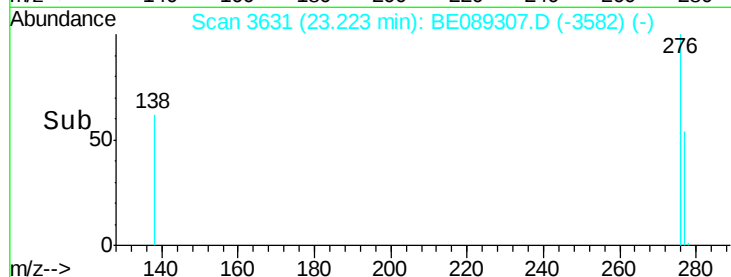
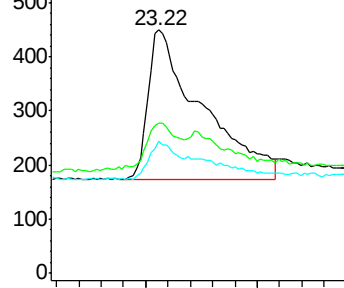
277 12.8 18.9 28.3#



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: 0.05 ng/ul

RT: 23.31 min Scan# 3644

Delta R.T. 0.02 min

Lab File: BE089307.D

Acq: 2 Jan 2015 15:56

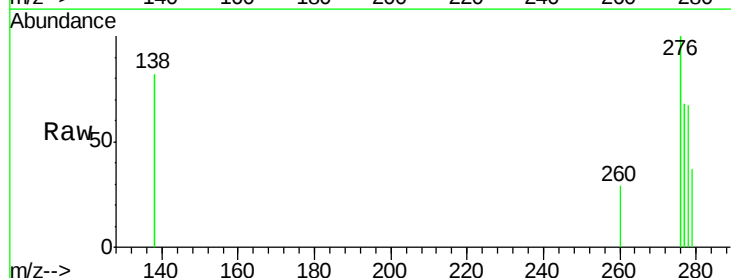
Tgt Ion: 278 Resp: 333

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

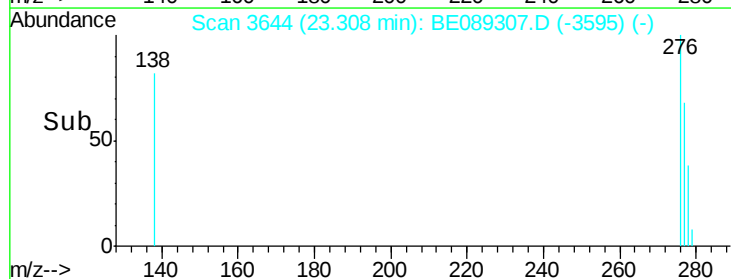
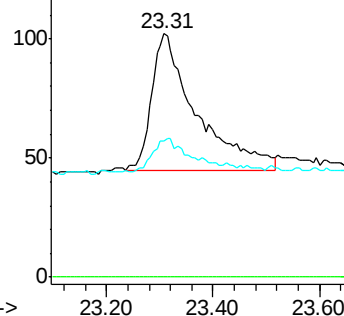
279 55.9 24.0 36.0#

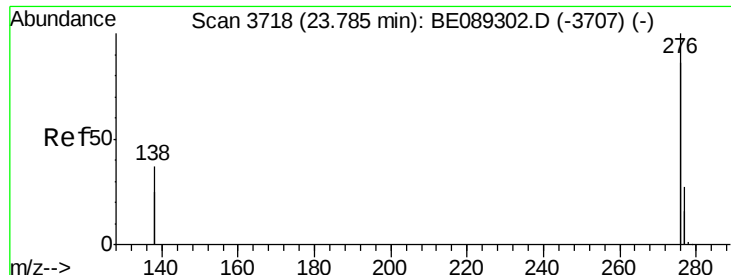


Abundance Ion 278.00 (277.70 to 278.70): E

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: 23.81 min Scan# 3721

Delta R.T. 0.02 min

Lab File: BE089307.D

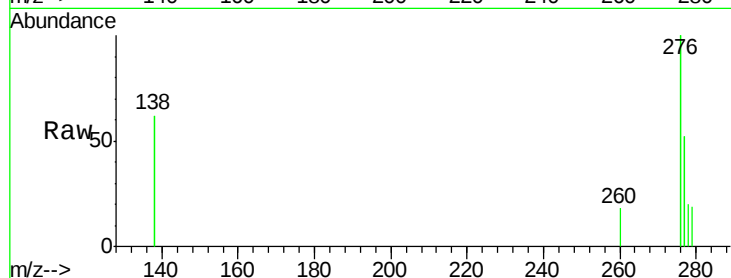
Acq: 2 Jan 2015 15:56

Instrument :

BNA_E

ClientSampleId :

Y9RC4



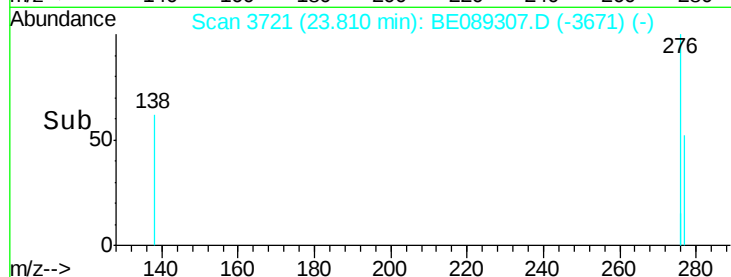
Tgt Ion:276 Resp: 1813

Ion Ratio Lower Upper

276 100

277 52.3 22.3 33.5#

138 61.9 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

