

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010915\
 Data File : BE089379.D
 Acq On : 9 Jan 2015 11:42
 Operator : TP/IZ
 Sample : G1029-01RX
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9R90RX

Quant Time: Jan 09 23:24:30 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 23:13:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1195	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4820	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2516	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3925	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	2391	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.11	96	477	0.27	ng/uL	0.00
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.93	212	3	0.00	ng/ul	0.01

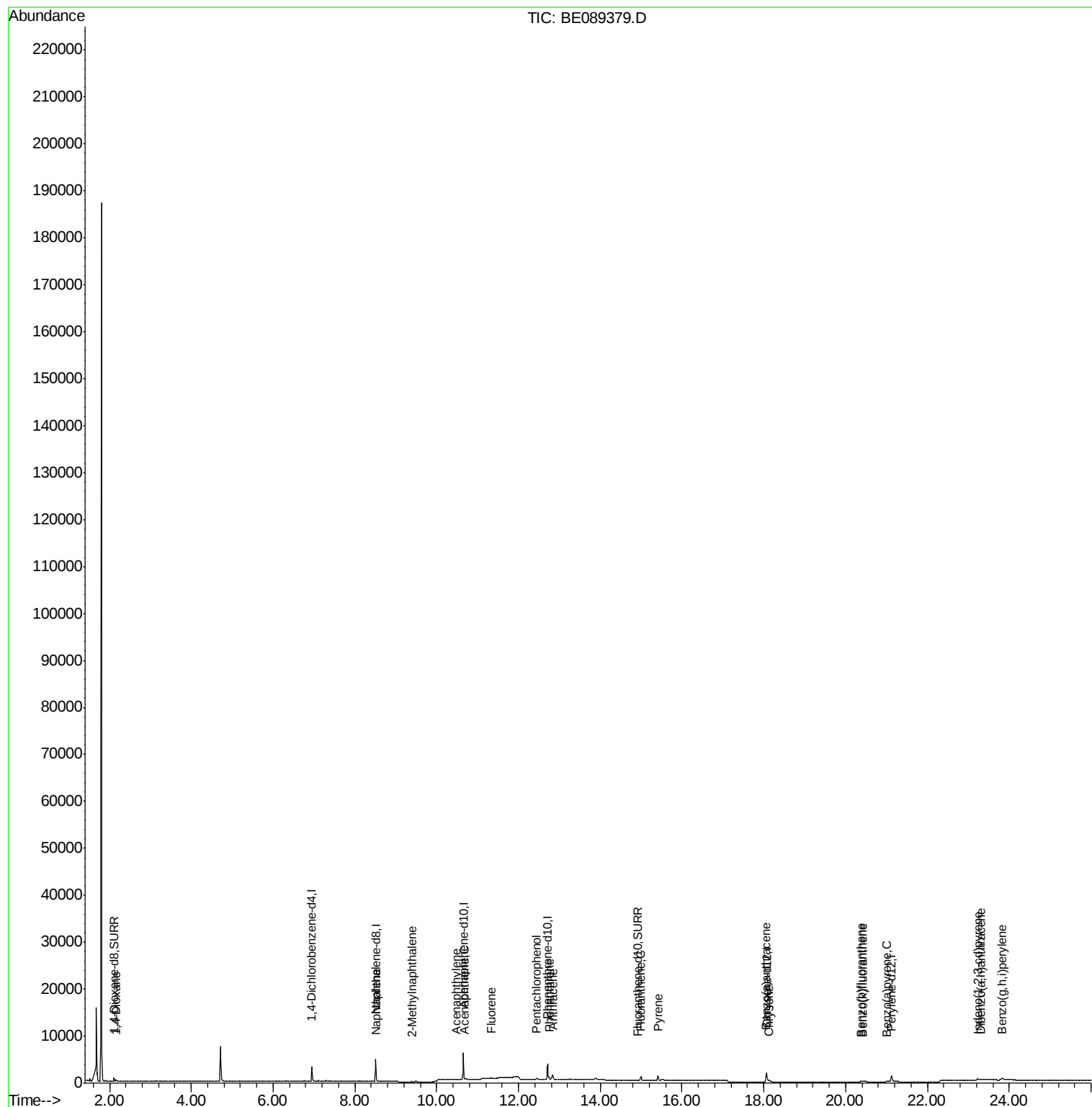
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.15	88	222	0.11	ng/ul#	81
5) Naphthalene	8.53	128	86	0.01	ng/ul#	12
7) 2-Methylnaphthalene	9.39	142	34	0.00	ng/ul	97
9) Acenaphthylene	10.47	152	144	0.00	ng/ul#	1
10) Acenaphthene	10.68	153	157	0.01	ng/ul#	46
11) Fluorene	11.34	166	39	0.01	ng/ul#	69
13) Pentachlorophenol	12.45	266	186	0.46	ng/ul	91
14) Phenanthrene	12.75	178	573	0.01	ng/ul#	39
15) Anthracene	12.83	178	1001	0.03	ng/ul#	65
17) Fluoranthene	14.99	202	1158	0.03	ng/ul	67
19) Pyrene	15.41	202	1353	0.04	ng/ul#	71
20) Benzo(a)anthracene	18.05	228	384	0.06	ng/ul#	73
21) Chrysene	18.13	228	393	0.05	ng/ul#	70
23) Benzo(b)fluoranthene	20.37	252	246	0.04	ng/ul#	42
24) Benzo(k)fluoranthene	20.43	252	377	0.05	ng/ul#	48
25) Benzo(a)pyrene	21.02	252	269	0.04	ng/ul#	45
26) Indeno(1,2,3-cd)pyrene	23.24	276	689	0.04	ng/ul	93
27) Dibenzo(a,h)anthracene	23.32	278	192	0.04	ng/ul#	35
28) Benzo(g,h,i)perylene	23.83	276	1139	0.05	ng/ul#	45

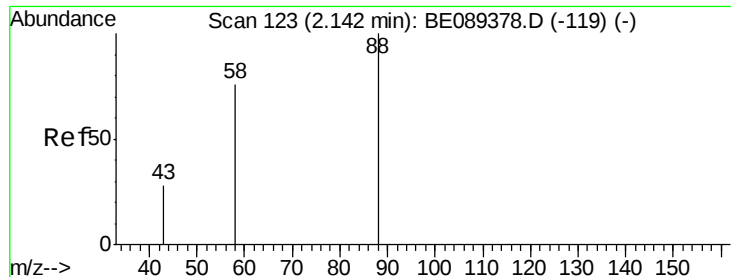
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.11 ng/ul

RT: 2.15 min Scan# 125

Delta R.T. 0.01 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

Instrument :

BNA_E

ClientSampleId :

Y9R90RX

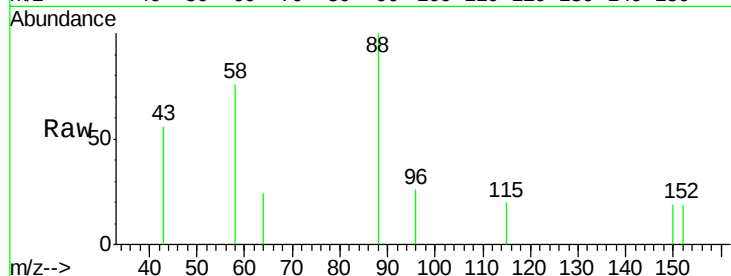
Tgt Ion: 88 Resp: 222

Ion Ratio Lower Upper

88 100

58 72.5 61.5 92.3

43 0.0 23.9 35.9#



Abundance Ion 88.00 (87.70 to 88.70): BE089379.D (-125) (-)

Ion 58.00 (57.70 to 58.70): BE089379.D (-125) (-)

Ion 43.00 (42.70 to 43.70): BE089379.D (-125) (-)

2.15

200

150

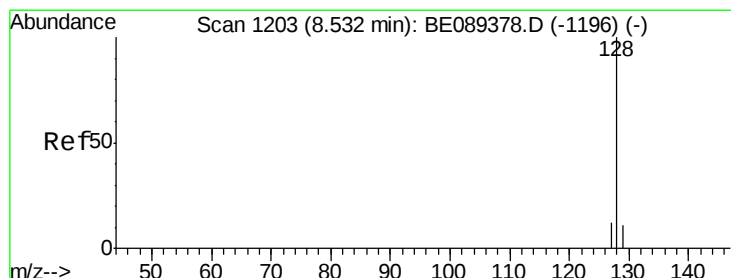
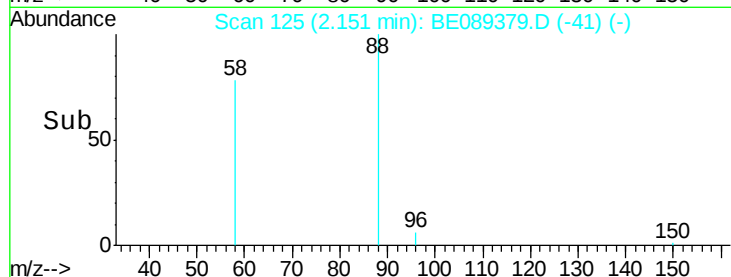
100

50

0

2.10 2.20 2.30

Time-->



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

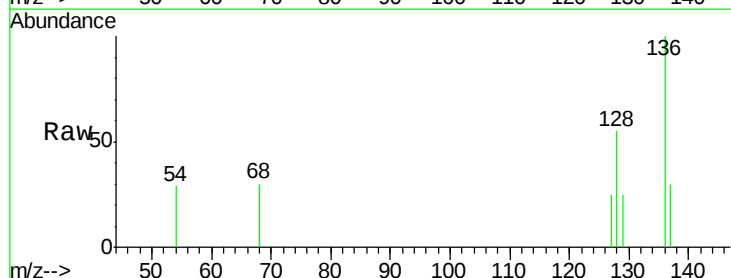
Tgt Ion: 128 Resp: 86

Ion Ratio Lower Upper

128 100

129 46.2 9.1 13.7#

127 46.2 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): BE089379.D (-1203) (-)

Ion 129.00 (128.70 to 129.70): BE089379.D (-1203) (-)

Ion 127.00 (126.70 to 127.70): BE089379.D (-1203) (-)

8.53

150

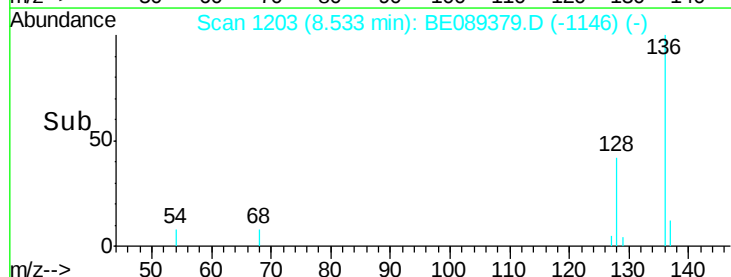
100

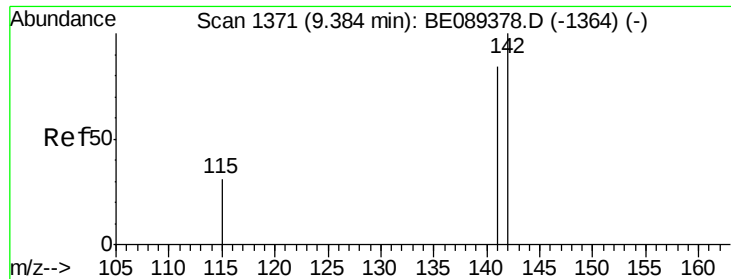
50

0

8.50 8.55

Time-->





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 9.39 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

Instrument :

BNA_E

ClientSampleId :

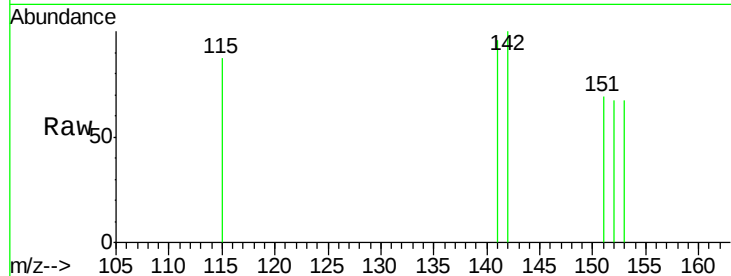
Y9R90RX

Tgt Ion:142 Resp: 34

Ion Ratio Lower Upper

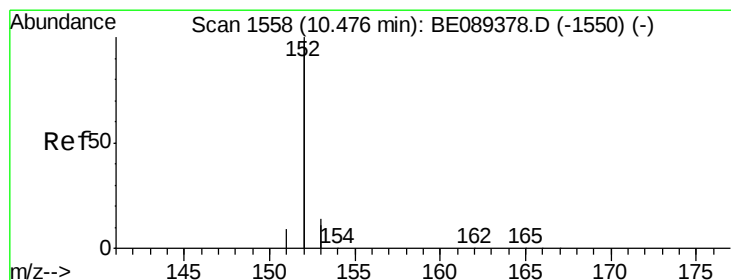
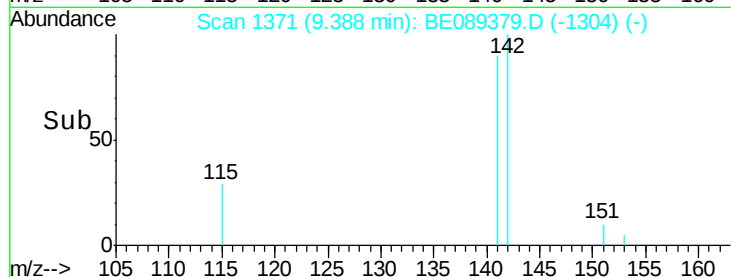
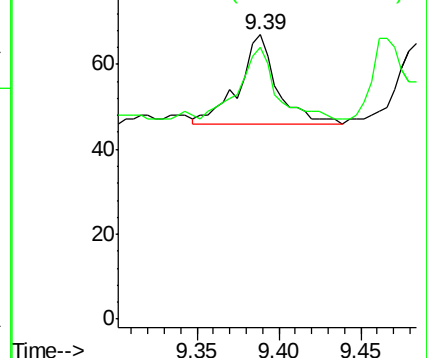
142 100

141 79.4 65.4 98.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.47 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

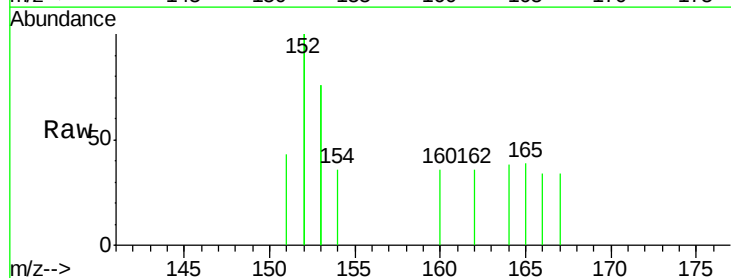
Tgt Ion:152 Resp: 144

Ion Ratio Lower Upper

152 100

151 21.5 4.0 6.0#

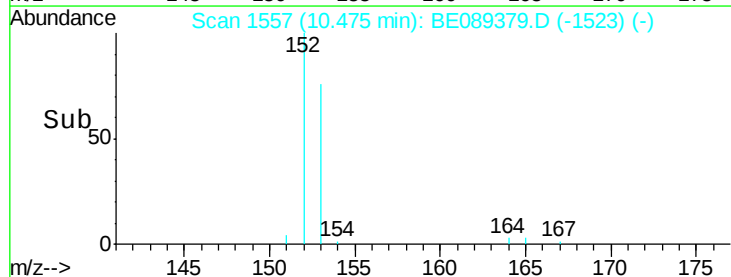
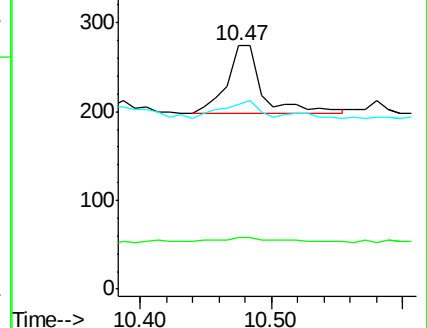
153 75.9 10.1 15.1#

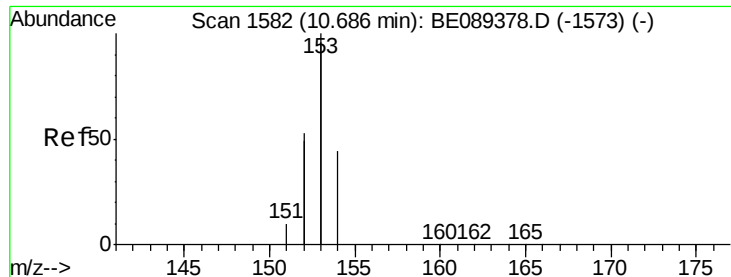


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 10.68 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

Instrument :

BNA_E

ClientSampleId :

Y9R90RX

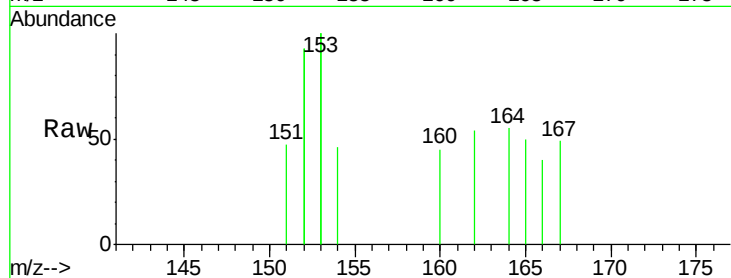
Tgt Ion:153 Resp: 157

Ion Ratio Lower Upper

153 100

152 93.4 32.6 49.0#

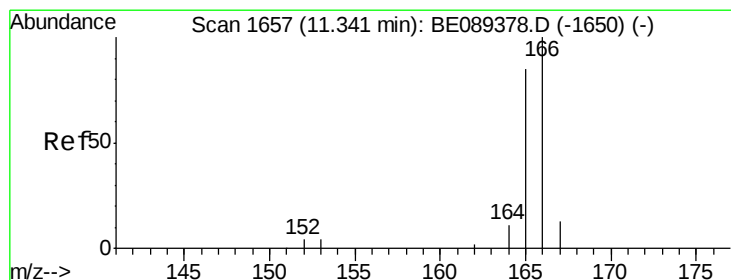
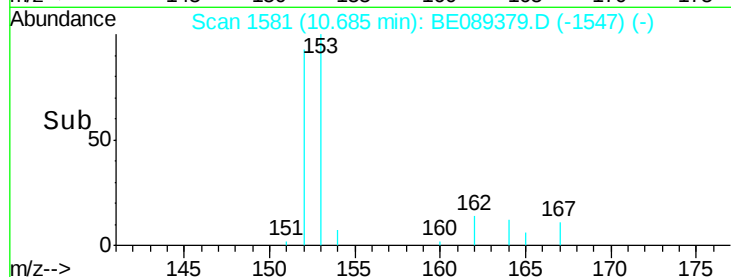
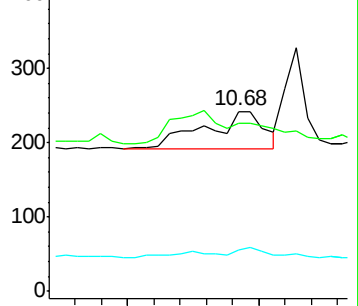
154 23.1 21.8 32.6



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



#11

Fluorene

Concen: 0.01 ng/ul

RT: 11.34 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

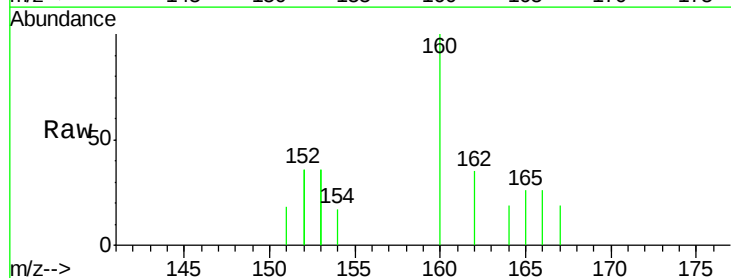
Tgt Ion:166 Resp: 39

Ion Ratio Lower Upper

166 100

165 100.0 70.3 105.5

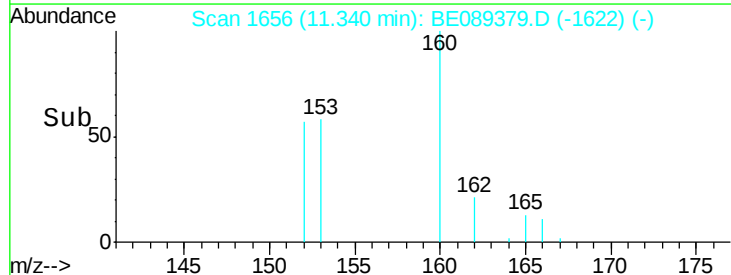
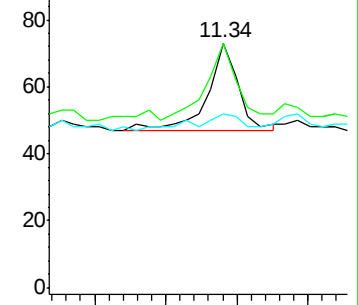
167 71.2 11.5 17.3#

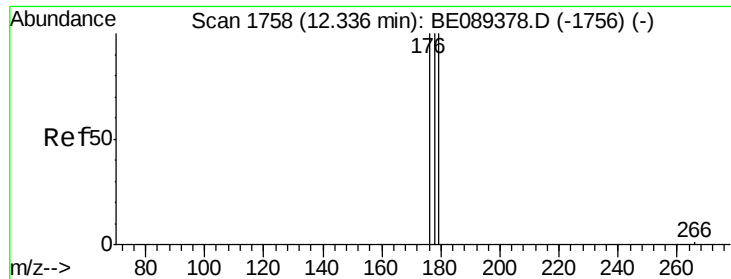


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Pentachlorophenol

Concen: 0.46 ng/ul

RT: 12.45 min Scan# 1766

Delta R.T. 0.11 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

Instrument :

BNA_E

ClientSampleId :

Y9R90RX

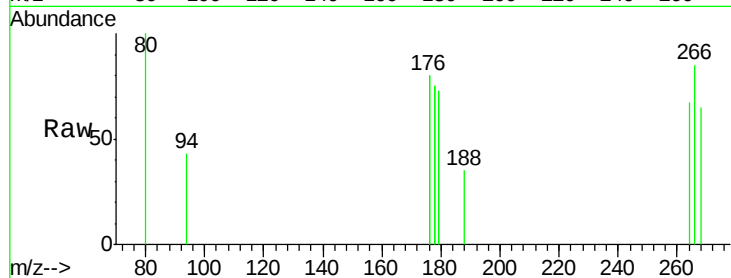
Tgt Ion:266 Resp: 186

Ion Ratio Lower Upper

266 100

264 69.4 48.7 73.1

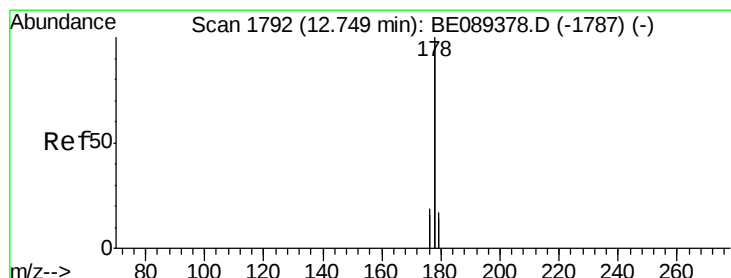
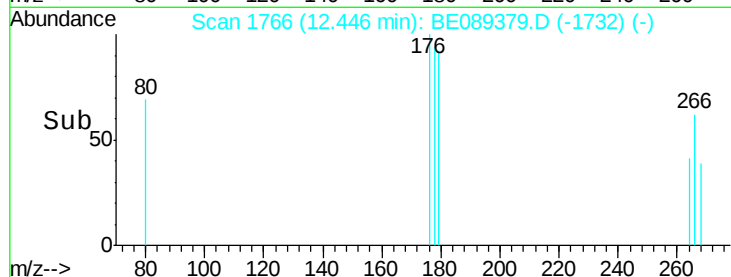
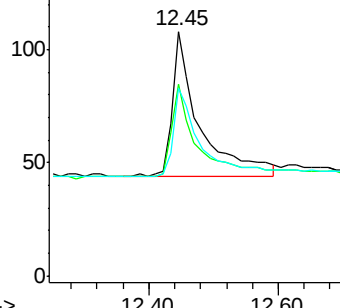
268 60.2 52.9 79.3



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: BE089379.D

Acq: 9 Jan 2015 11:42

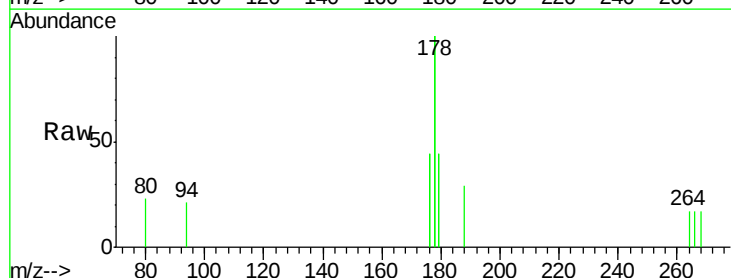
Tgt Ion:178 Resp: 573

Ion Ratio Lower Upper

178 100

176 44.2 14.3 21.5#

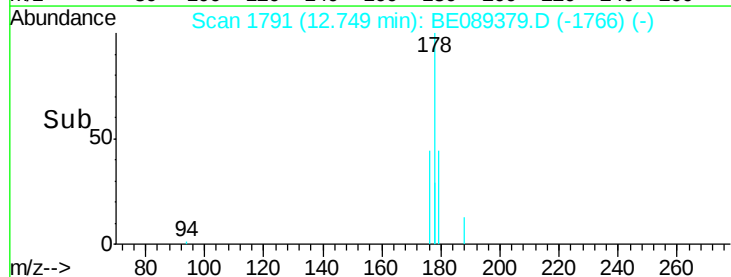
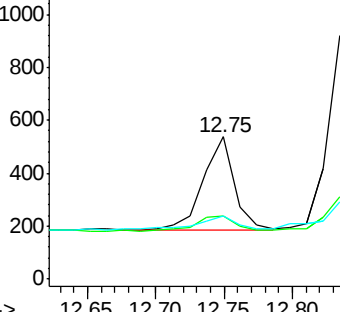
179 44.2 13.8 20.8#

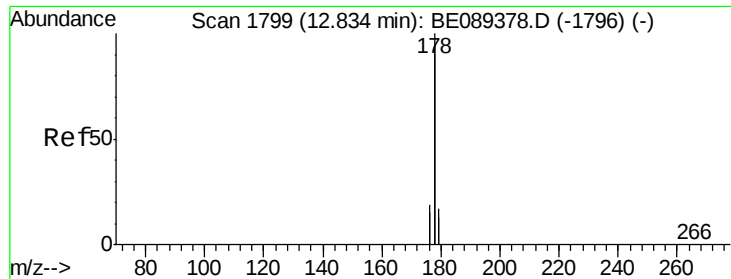


Abundance Ion 178.00 (177.70 to 178.70): E

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# 1798

Delta R.T. 0.00 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

Instrument :

BNA_E

ClientSampleId :

Y9R90RX

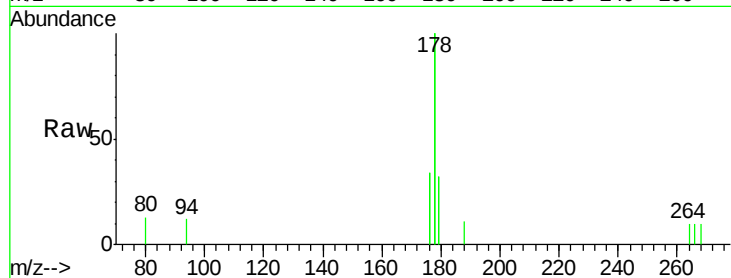
Tgt Ion:178 Resp: 1001

Ion Ratio Lower Upper

178 100

176 33.9 14.7 22.1#

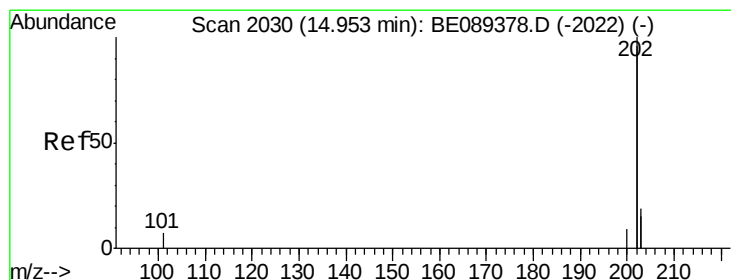
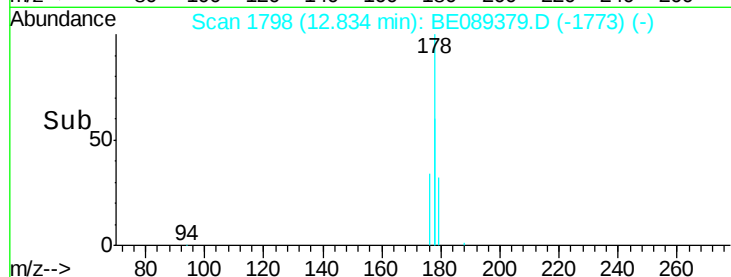
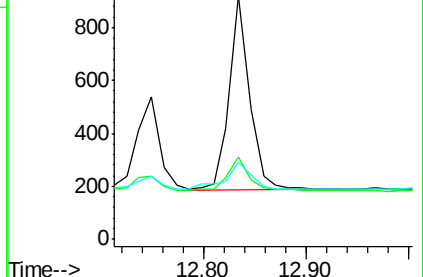
179 31.7 13.4 20.2#



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: 14.99 min Scan# 2035

Delta R.T. 0.04 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

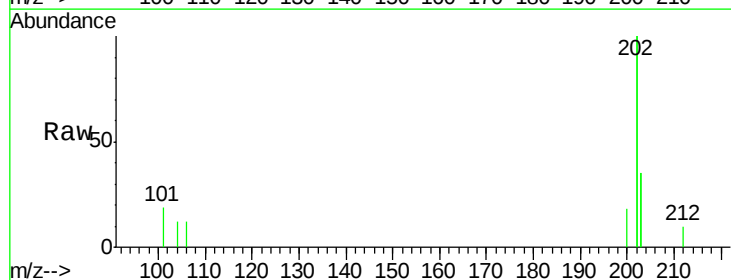
Tgt Ion:202 Resp: 1158

Ion Ratio Lower Upper

202 100

101 9.5 0.0 24.6

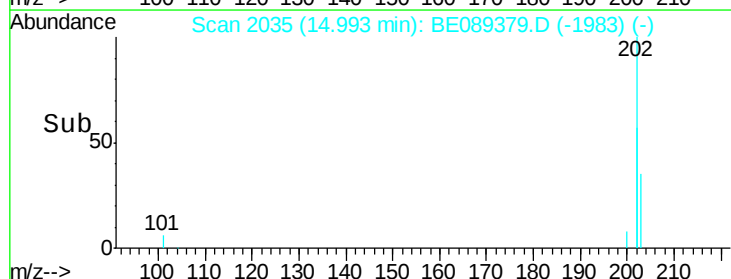
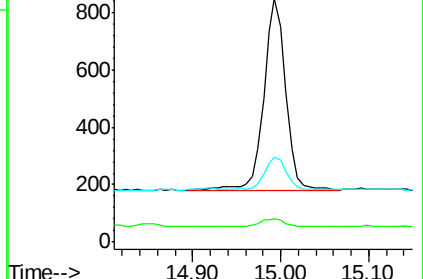
203 34.6 0.0 37.8

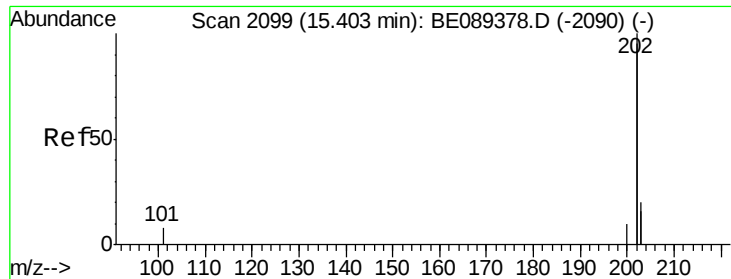


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.04 ng/ul

RT: 15.41 min Scan# 2099

Delta R.T. 0.01 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

Instrument :

BNA_E

ClientSampleId :

Y9R90RX

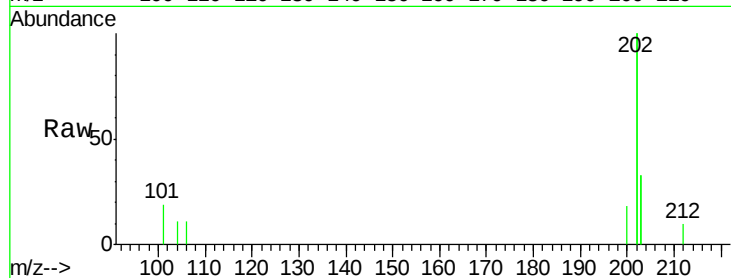
Tgt Ion:202 Resp: 1353

Ion Ratio Lower Upper

202 100

200 8.9 4.2 6.4#

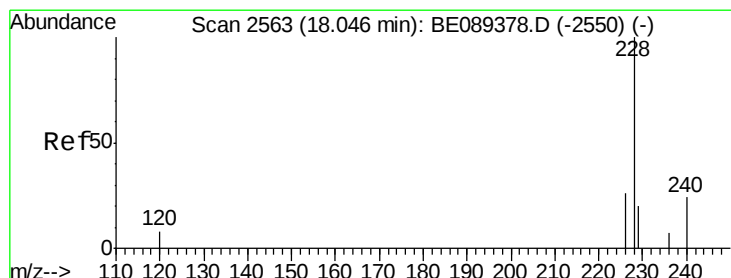
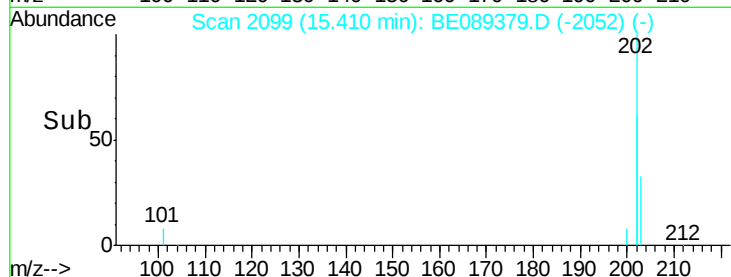
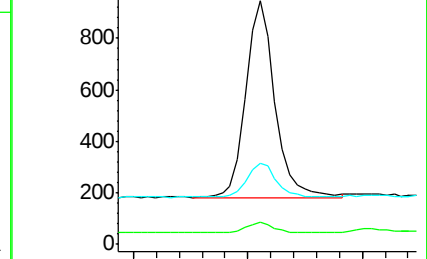
203 33.4 14.4 21.6#



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: 0.06 ng/ul

RT: 18.05 min Scan# 2563

Delta R.T. 0.00 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

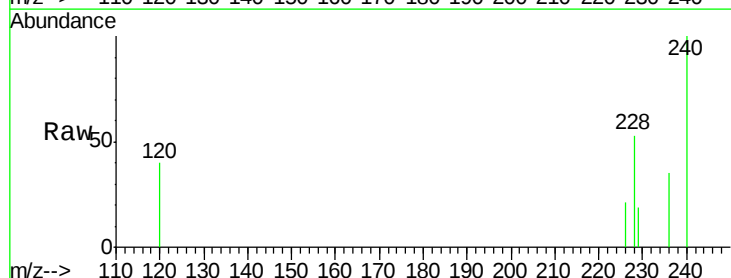
Tgt Ion:228 Resp: 384

Ion Ratio Lower Upper

228 100

226 40.4 21.9 32.9#

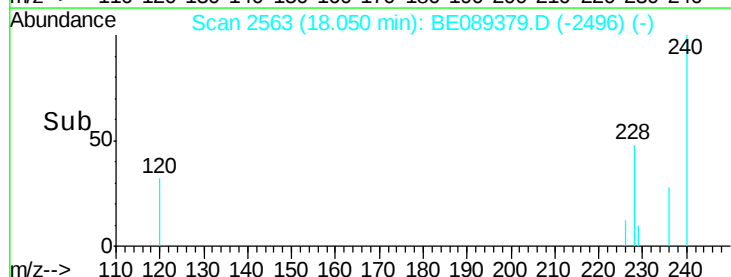
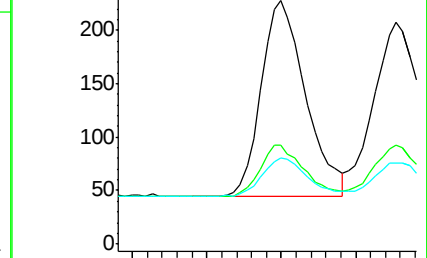
229 35.5 16.9 25.3#

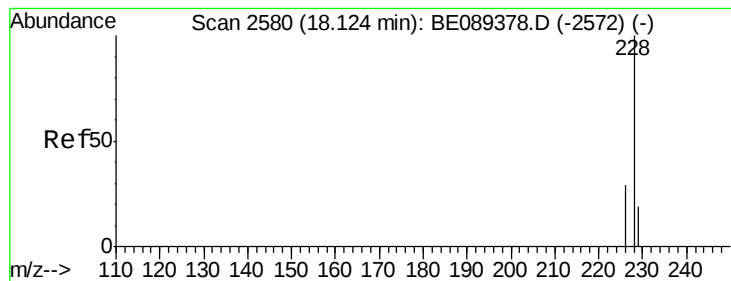


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.05 ng/ul

RT: 18.13 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

Instrument :

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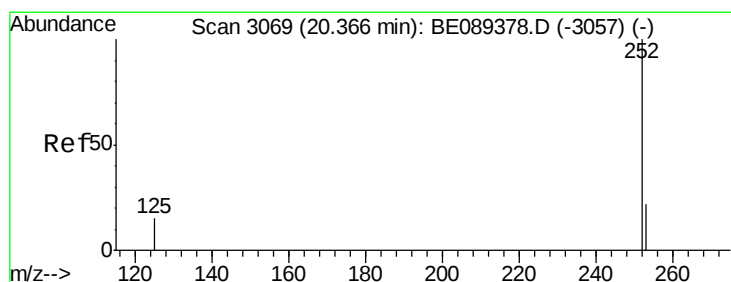
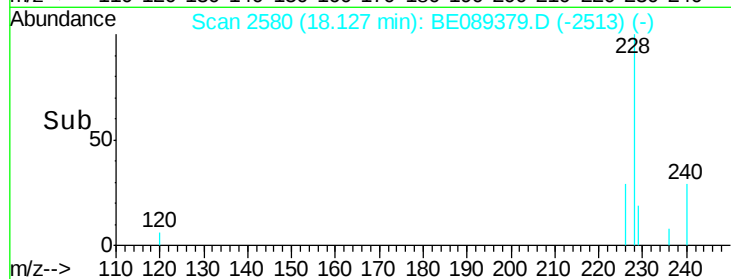
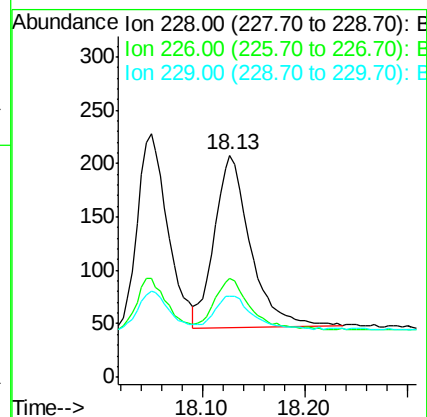
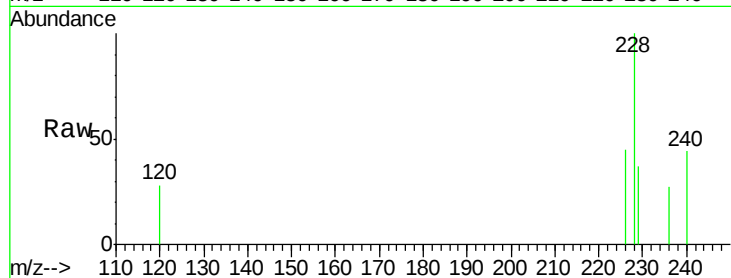
Tgt Ion:228 Resp: 393

Ion Ratio Lower Upper

228 100

226 44.7 23.9 35.9#

229 36.5 16.8 25.2#



#23

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 20.37 min Scan# 3070

Delta R.T. 0.01 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

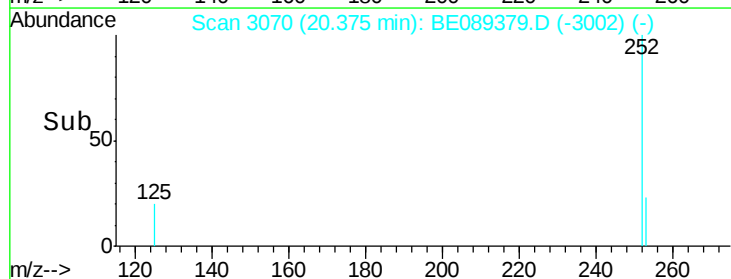
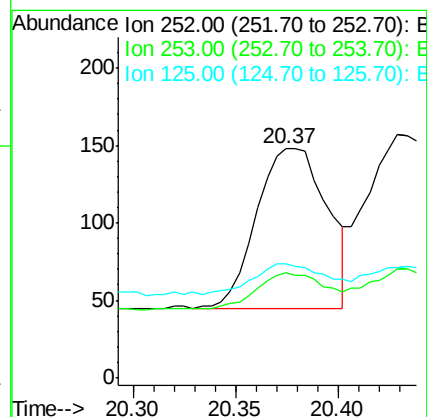
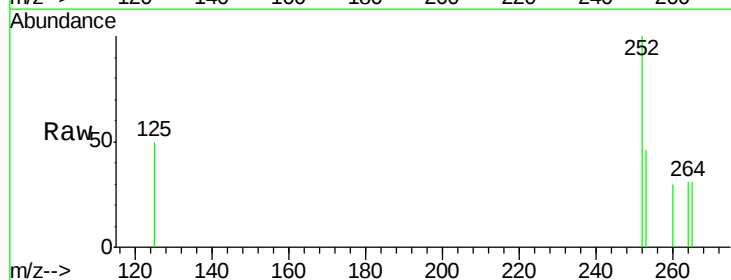
Tgt Ion:252 Resp: 246

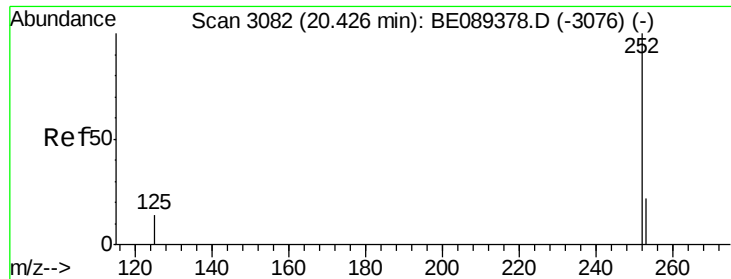
Ion Ratio Lower Upper

252 100

253 45.9 0.0 47.8

125 50.0 0.0 34.2#





#24

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

RT: 20.43 min Scan# 3082

Delta R.T. 0.00 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

Instrument :

BNA_E

ClientSampleId :

Y9R90RX

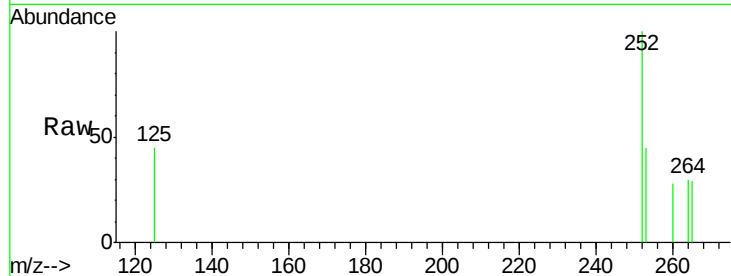
Tgt Ion:252 Resp: 377

Ion Ratio Lower Upper

252 100

253 44.6 19.0 28.6#

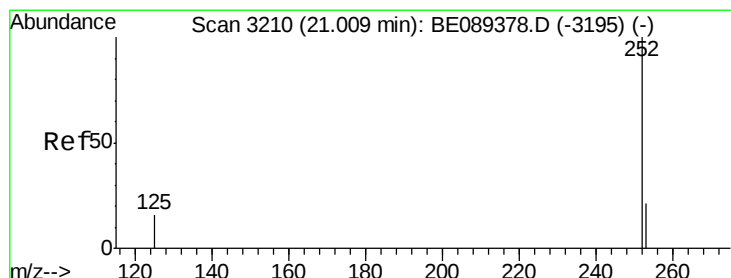
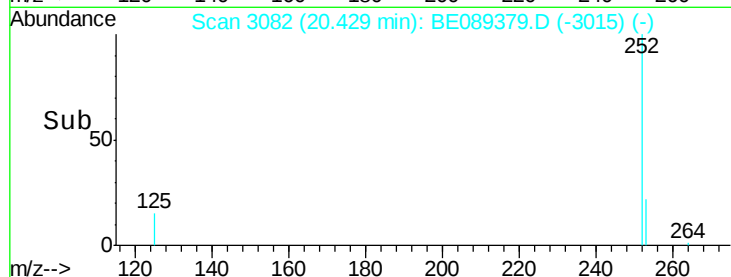
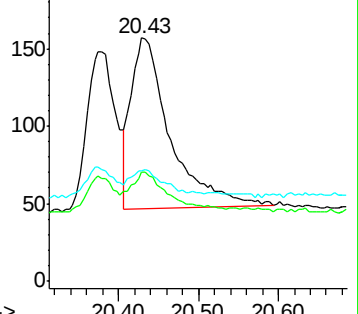
125 45.2 13.5 20.3#



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: 0.04 ng/ul

RT: 21.02 min Scan# 3211

Delta R.T. 0.01 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

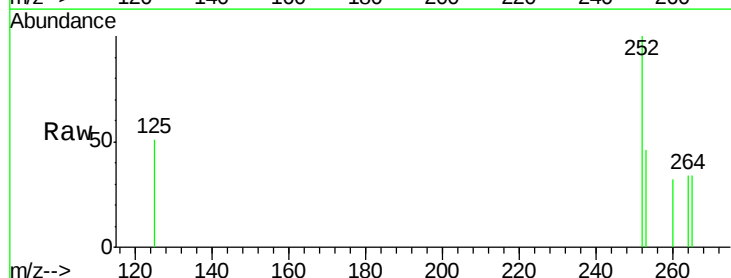
Tgt Ion:252 Resp: 269

Ion Ratio Lower Upper

252 100

253 45.7 19.7 29.5#

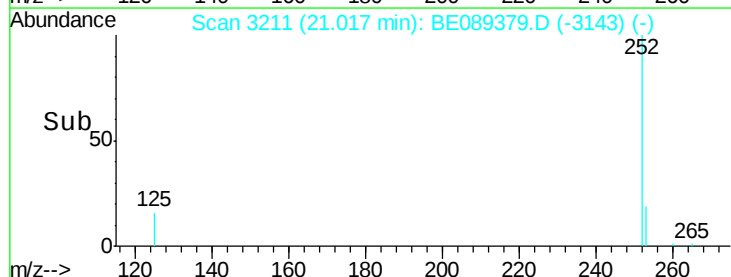
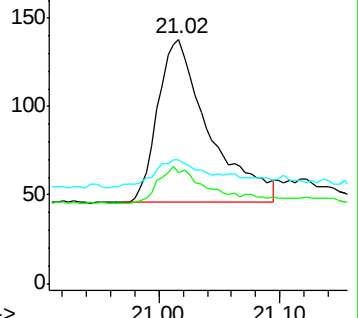
125 50.7 15.0 22.6#

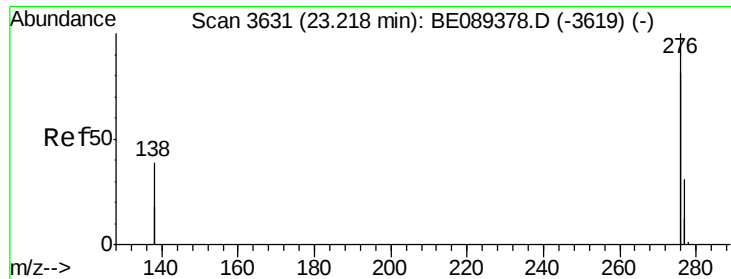


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.04 ng/ul

RT: 23.24 min Scan# 3633

Delta R.T. 0.02 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

Instrument :

BNA_E

ClientSampleId :

Y9R90RX

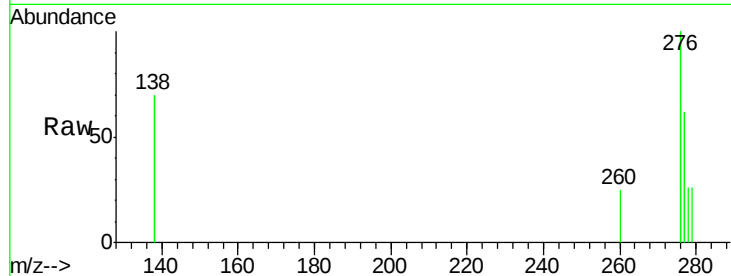
Tgt Ion: 276 Resp: 689

Ion Ratio Lower Upper

276 100

138 24.8 23.8 35.8

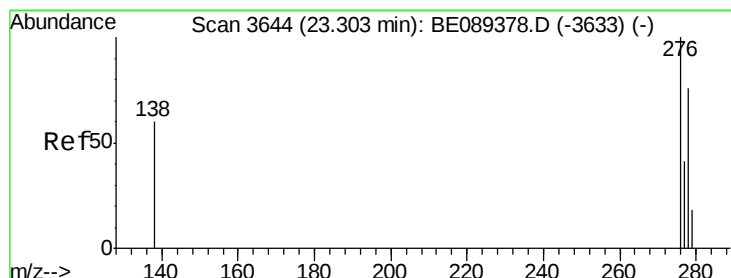
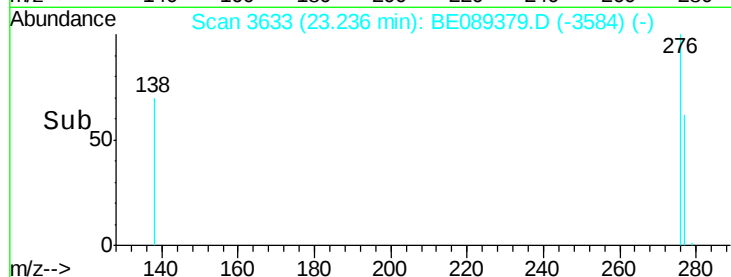
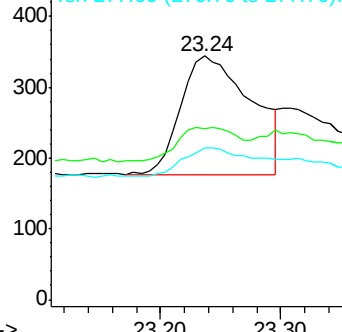
277 25.4 18.9 28.3



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: 0.04 ng/ul

RT: 23.32 min Scan# 3646

Delta R.T. 0.02 min

Lab File: BE089379.D

Acq: 9 Jan 2015 11:42

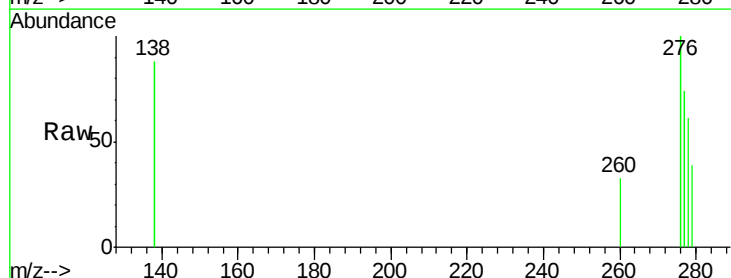
Tgt Ion: 278 Resp: 192

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

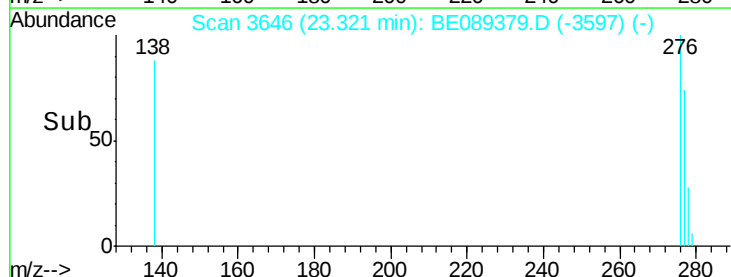
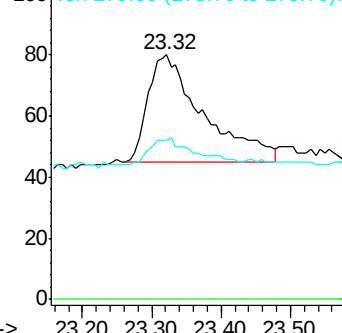
279 65.0 24.0 36.0#

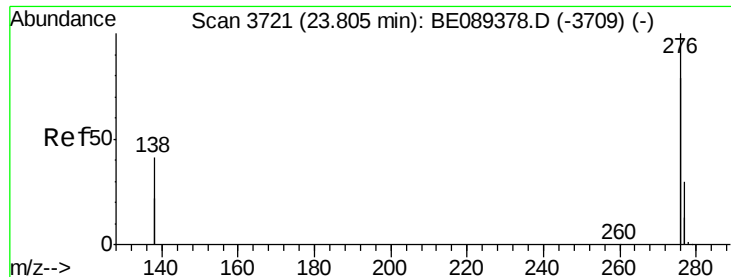


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.05 ng/ul

RT: 23.83 min Scan# 3724

Delta R.T. 0.03 min

Lab File: BE089379.D

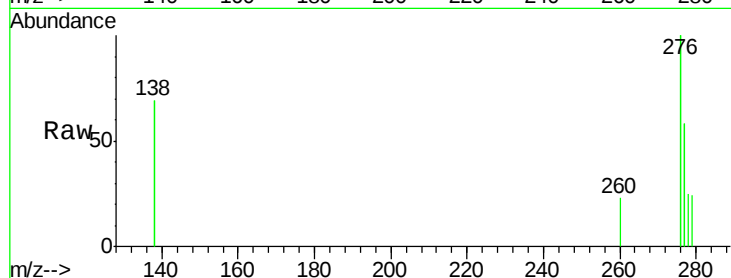
Acq: 9 Jan 2015 11:42

Instrument :

BNA_E

ClientSampleId :

Y9R90RX



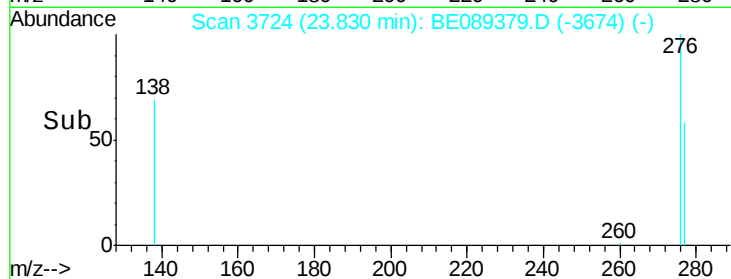
Tgt Ion: 276 Resp: 1139

Ion Ratio Lower Upper

276 100

277 58.2 22.3 33.5#

138 68.8 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

