

Data Path : Z:\HPCHEM1\BNA_E\Data\BE123114\
 Data File : BE089297.D
 Acq On : 31 Dec 2014 17:51
 Operator : TP/IZ
 Sample : F5245-05RX
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RC1RX

Quant Time: Jan 01 03:33:23 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 : Thu Jan 01 03:02:36 2015
 Response via : Initial Calibration

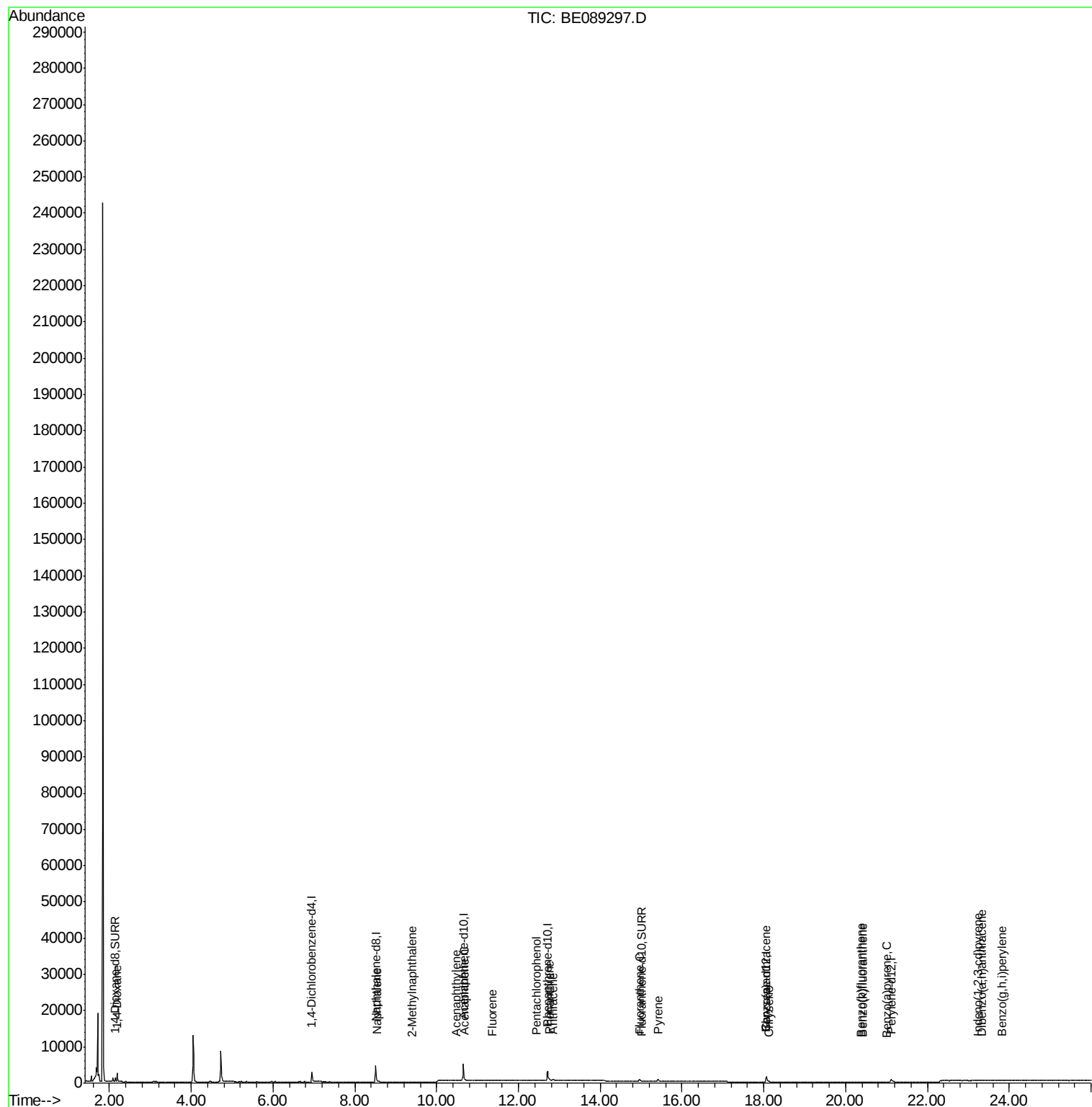
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1384	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	5464	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2668	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3964	0.40	ng/ul	0.00
18) Chrysene-d12	18.06	240	2602	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	1880	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.15	96	658	0.32	ng/uL	0.00
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	15.01	212	1	0.00	ng/ul	0.09
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.18	88	1361	0.59	ng/ul#	84
5) Naphthalene	8.54	128	160	0.01	ng/ul#	24
7) 2-Methylnaphthalene	9.40	142	64	0.01	ng/ul	99
9) Acenaphthylene	10.48	152	114	0.00	ng/ul#	1
10) Acenaphthene	10.69	153	103	0.00	ng/ul#	46
11) Fluorene	11.35	166	27	0.00	ng/ul#	62
13) Pentachlorophenol	12.45	266	60	0.14	ng/ul	97
14) Phenanthrene	12.75	178	387	0.01	ng/ul#	9
15) Anthracene	12.85	178	463	0.01	ng/ul#	10
17) Fluoranthene	14.96	202	999	0.03	ng/ul#	54
19) Pyrene	15.41	202	1053	0.03	ng/ul#	57
20) Benzo(a)anthracene	18.05	228	180	0.03	ng/ul#	46
21) Chrysene	18.12	228	266	0.04	ng/ul#	53
23) Benzo(b)fluoranthene	20.37	252	110	0.02	ng/ul#	12
24) Benzo(k)fluoranthene	20.43	252	123	0.02	ng/ul#	18
25) Benzo(a)pyrene	21.01	252	88	0.02	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.24	276	297	0.02	ng/ul#	84
27) Dibenzo(a,h)anthracene	23.33	278	75	0.02	ng/ul#	11
28) Benzo(g,h,i)perylene	23.82	276	433	0.02	ng/ul#	16

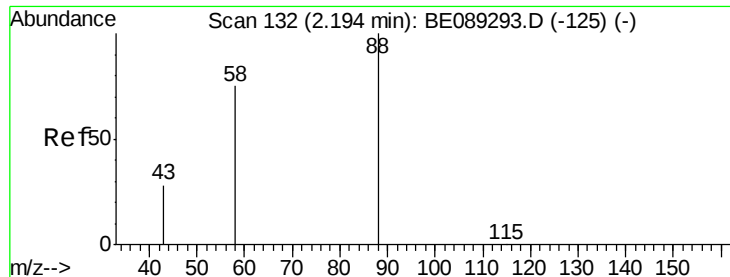
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.59 ng/ul

RT: 2.18 min Scan# 130

Delta R.T. -0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

Instrument :

BNA_E

ClientSampleId :

Y9RC1RX

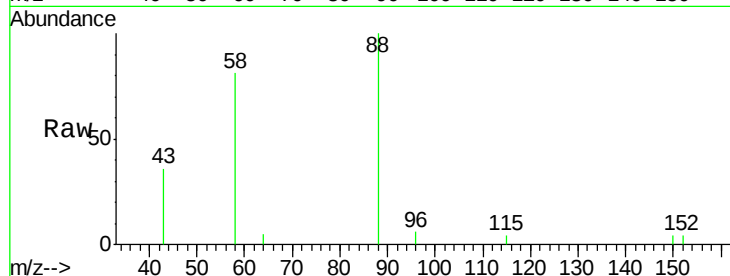
Tgt Ion: 88 Resp: 1361

Ion Ratio Lower Upper

88 100

58 76.2 61.5 92.3

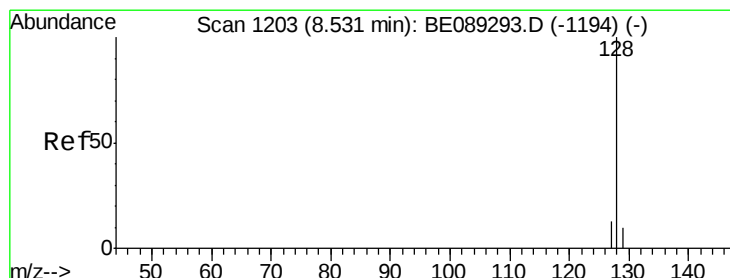
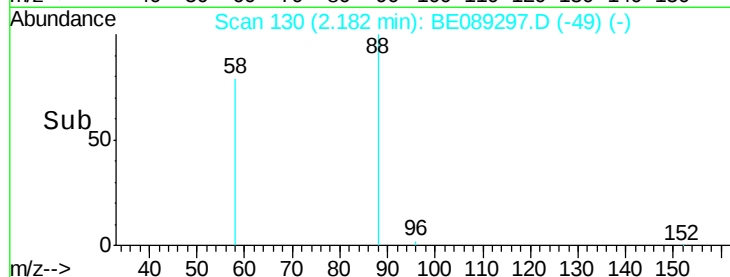
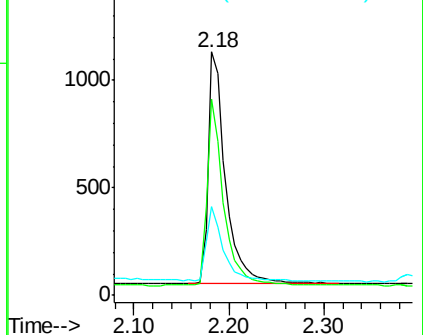
43 0.0 23.9 35.9#



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: 0.01 ng/ul

RT: 8.54 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

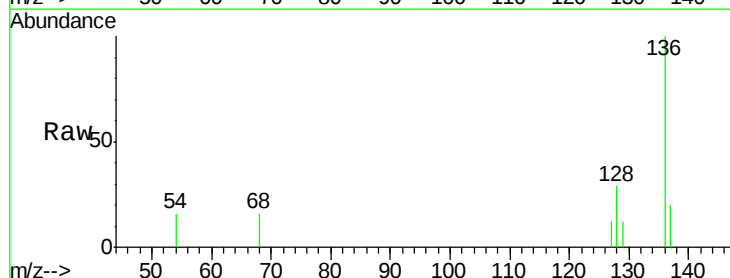
Tgt Ion: 128 Resp: 160

Ion Ratio Lower Upper

128 100

129 40.7 9.1 13.7#

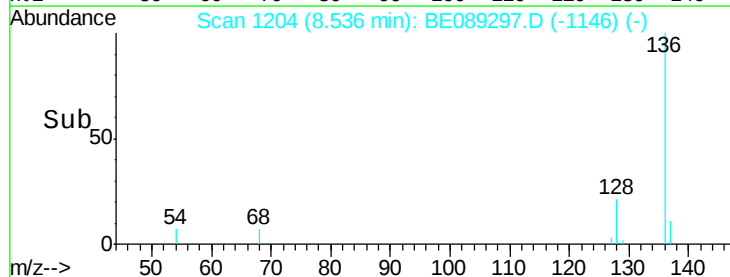
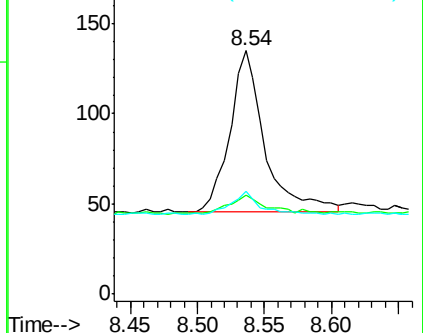
127 42.2 10.0 15.0#

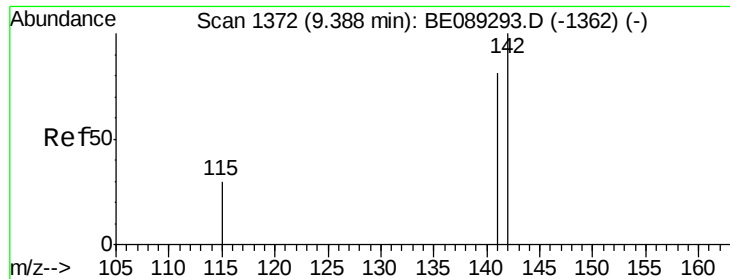


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.40 min Scan# 1375

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

Instrument :

BNA_E

ClientSampleId :

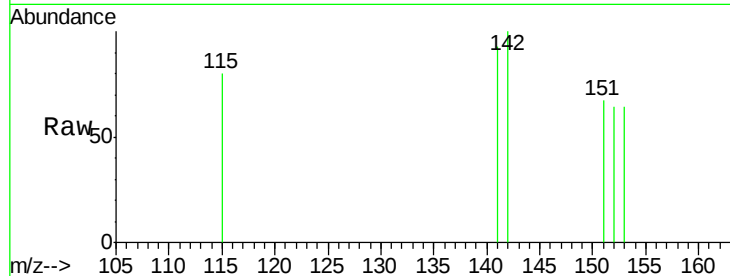
Y9RC1RX

Tgt Ion:142 Resp: 64

Ion Ratio Lower Upper

142 100

141 81.3 65.4 98.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

9.40

80

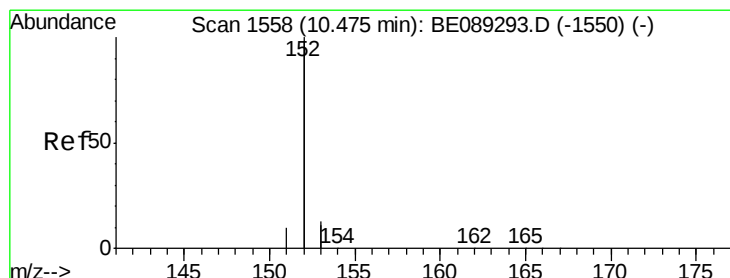
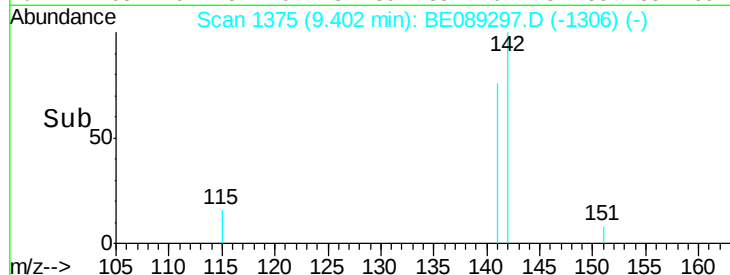
60

40

20

0

Time--> 9.30 9.35 9.40 9.45 9.50



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.48 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

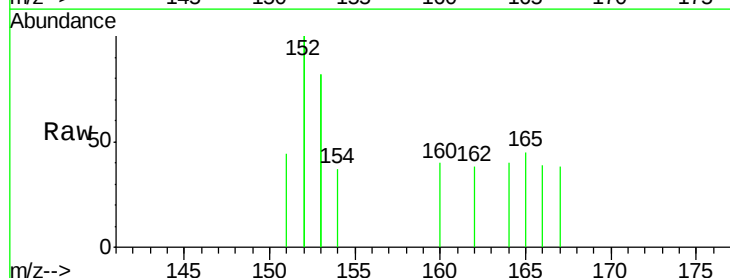
Tgt Ion:152 Resp: 114

Ion Ratio Lower Upper

152 100

151 21.9 4.0 6.0#

153 81.8 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

250

200

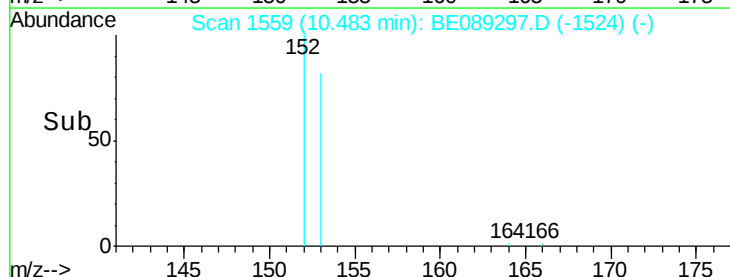
150

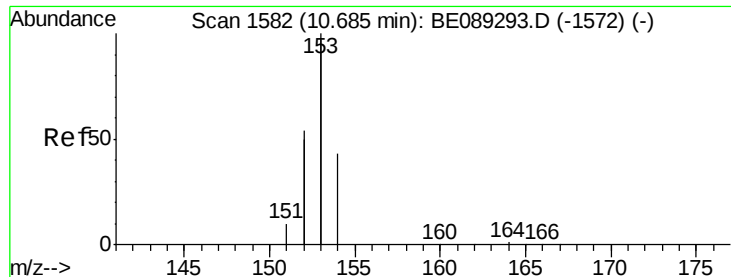
100

50

0

Time--> 10.40 10.50 10.60





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 10.69 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

Instrument :

BNA_E

ClientSampleId :

Y9RC1RX

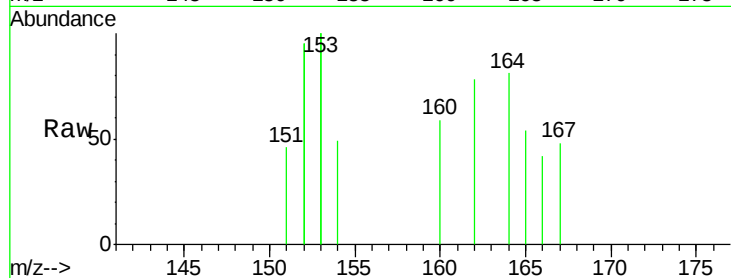
Tgt Ion:153 Resp: 103

Ion Ratio Lower Upper

153 100

152 94.7 32.6 49.0#

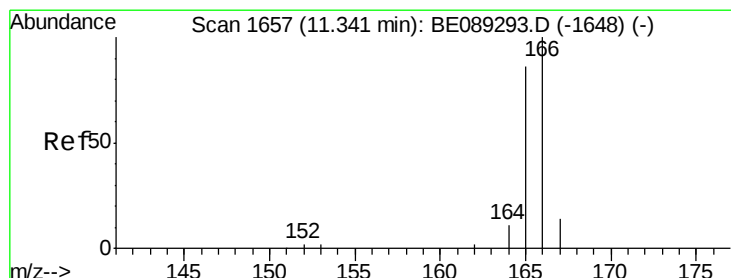
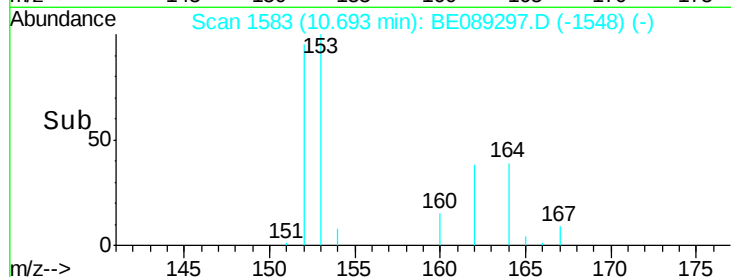
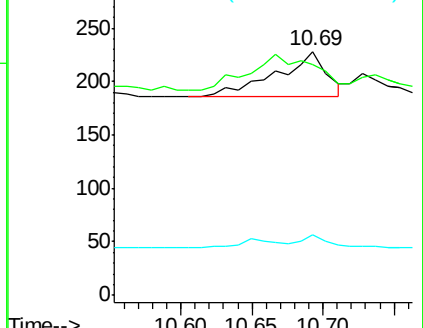
154 24.6 21.8 32.6



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



#11

Fluorene

Concen: 0.00 ng/ul

RT: 11.35 min Scan# 1658

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

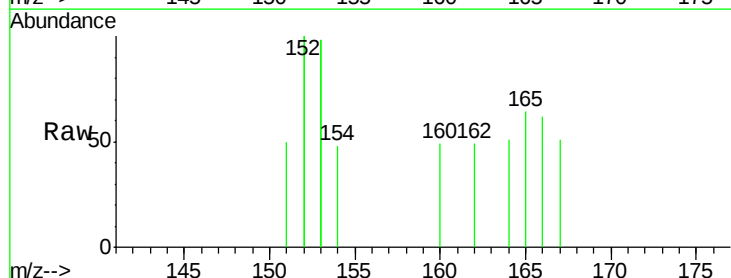
Tgt Ion:166 Resp: 27

Ion Ratio Lower Upper

166 100

165 103.5 70.3 105.5

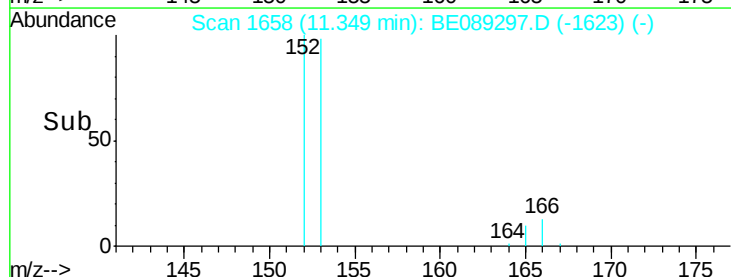
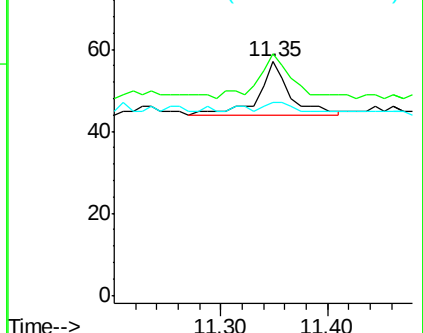
167 82.5 11.5 17.3#

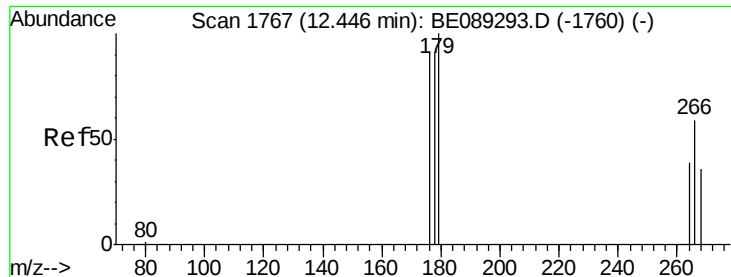


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Pentachlorophenol

Concen: 0.14 ng/ul

RT: 12.45 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

Instrument :

BNA_E

ClientSampleId :

Y9RC1RX

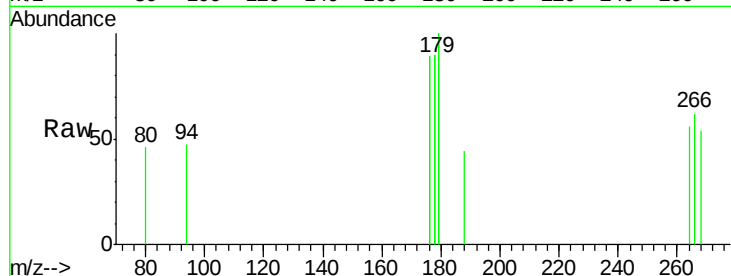
Tgt Ion: 266 Resp: 60

Ion Ratio Lower Upper

266 100

264 65.0 48.7 73.1

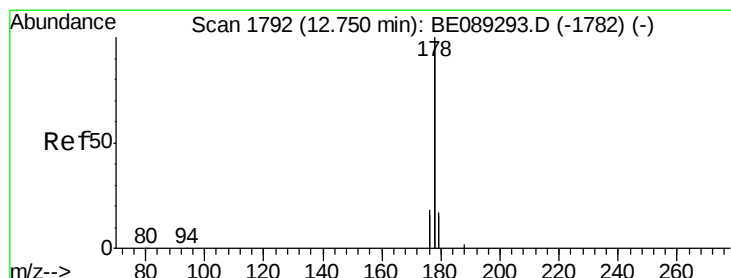
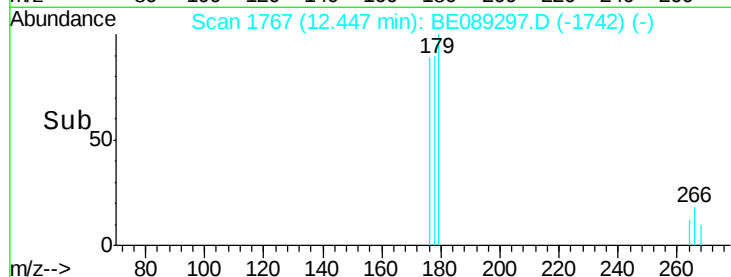
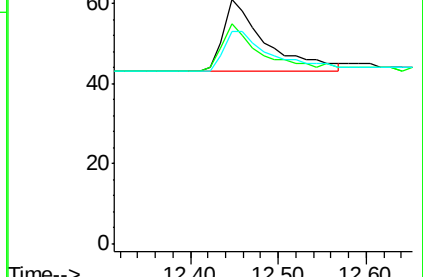
268 65.0 52.9 79.3



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: 0.01 ng/ul

RT: 12.75 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

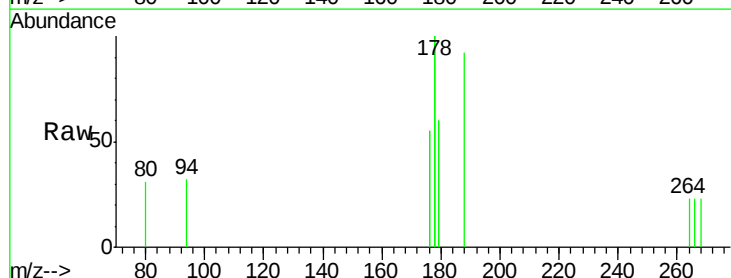
Tgt Ion: 178 Resp: 387

Ion Ratio Lower Upper

178 100

176 55.3 14.3 21.5#

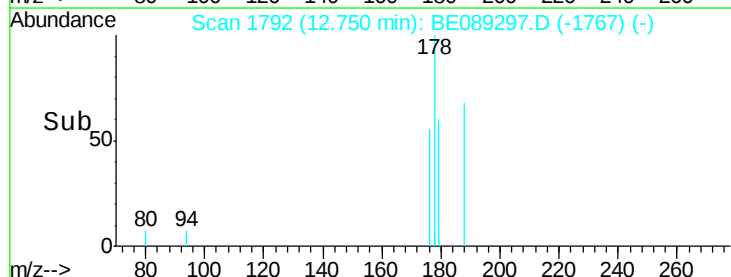
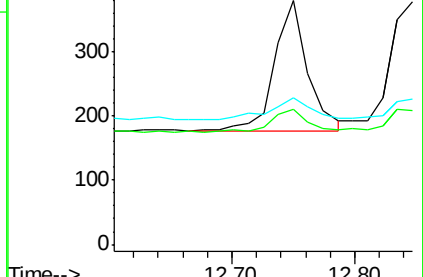
179 60.0 13.8 20.8#

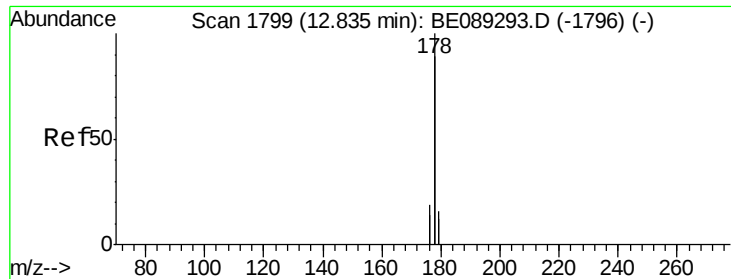


Abundance Ion 178.00 (177.70 to 178.70): E

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: 12.85 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

Instrument :

BNA_E

ClientSampleId :

Y9RC1RX

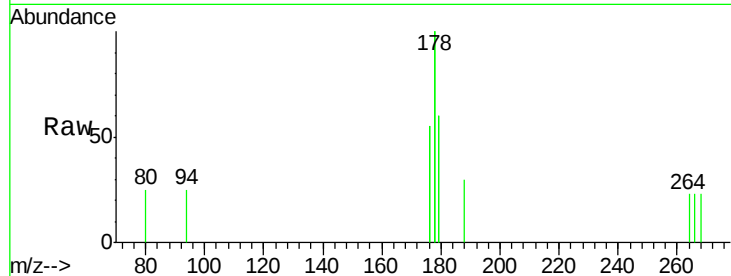
Tgt Ion:178 Resp: 463

Ion Ratio Lower Upper

178 100

176 55.0 14.7 22.1#

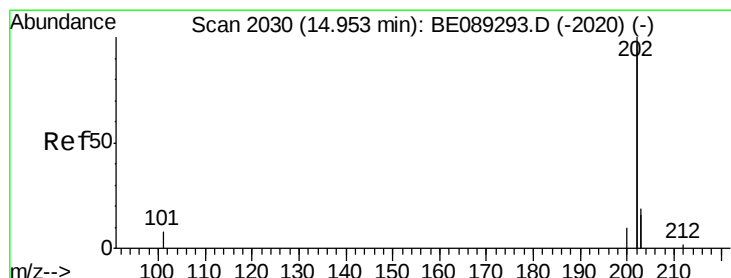
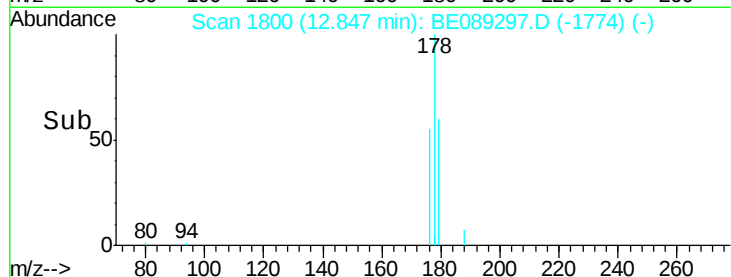
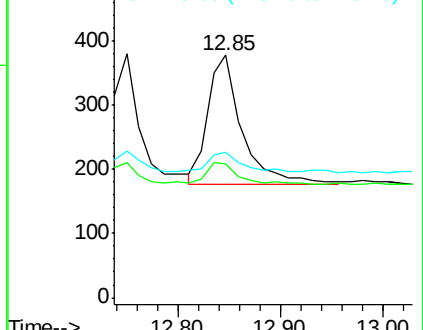
179 59.8 13.4 20.2#



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: 14.96 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

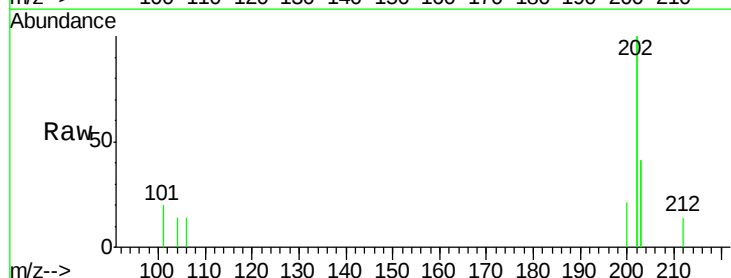
Tgt Ion:202 Resp: 999

Ion Ratio Lower Upper

202 100

101 10.1 0.0 24.6

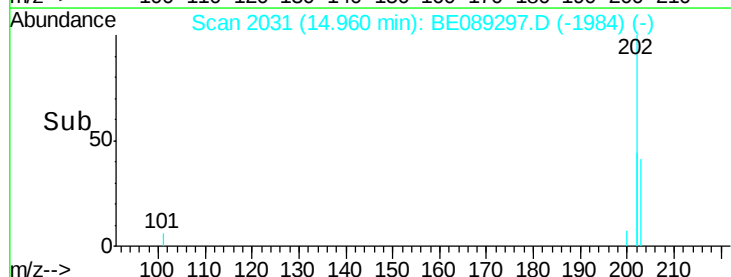
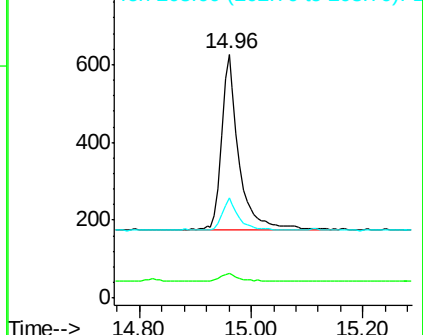
203 41.2 0.0 37.8#

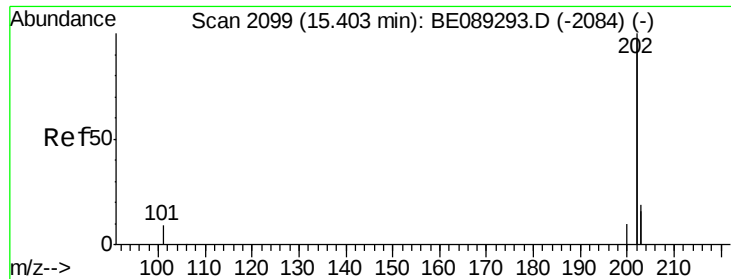


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

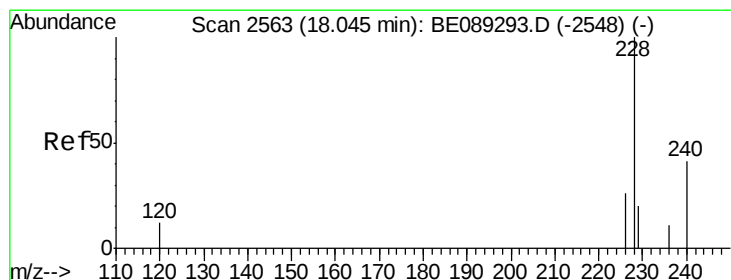
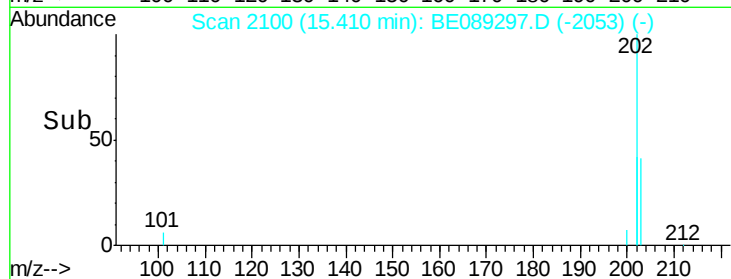
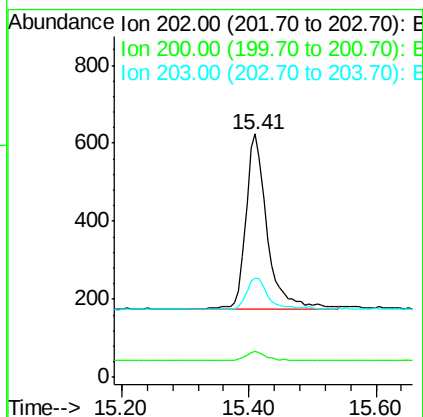
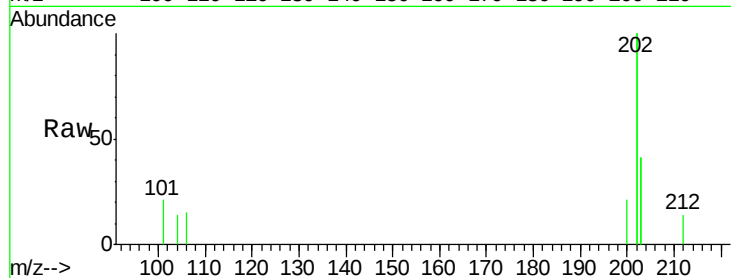




#19
Pyrene
Concen: 0.03 ng/ul
RT: 15.41 min Scan# 2100
Delta R.T. 0.01 min
Lab File: BE089297.D
Acq: 31 Dec 2014 17:51

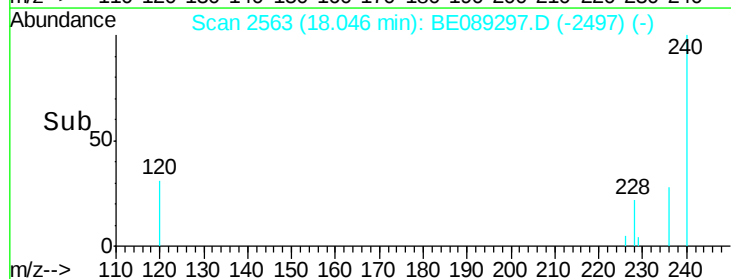
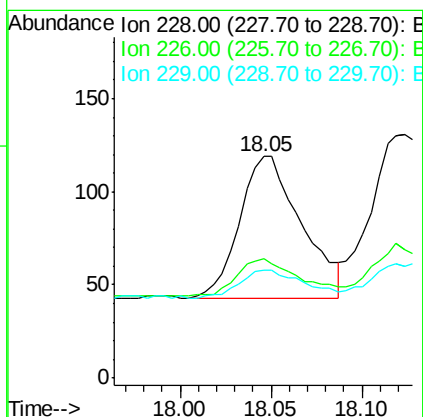
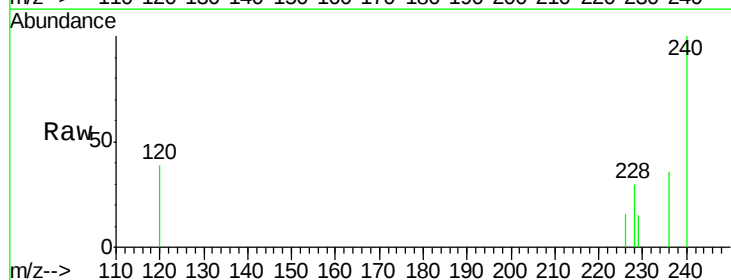
Instrument :
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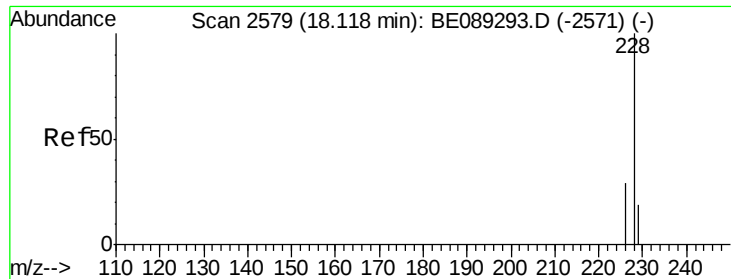
Tgt Ion:202 Resp: 1053
Ion Ratio Lower Upper
202 100
200 10.4 4.2 6.4#
203 40.7 14.4 21.6#



#20
Benzo(a)anthracene
Concen: 0.03 ng/ul
RT: 18.05 min Scan# 2563
Delta R.T. 0.00 min
Lab File: BE089297.D
Acq: 31 Dec 2014 17:51

Tgt Ion:228 Resp: 180
Ion Ratio Lower Upper
228 100
226 53.8 21.9 32.9#
229 48.7 16.9 25.3#





#21

Chrysene

Concen: 0.04 ng/ul

RT: 18.12 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

Instrument :

BNA_E

ClientSampleId :

Y9RC1RX

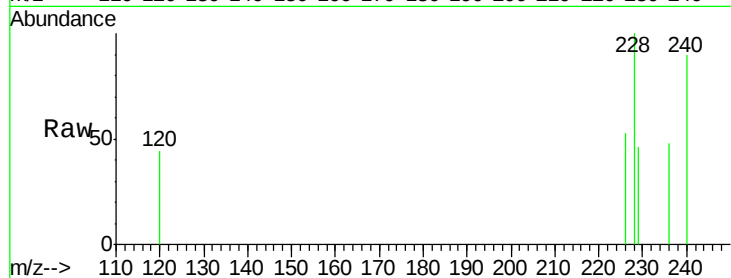
Tgt Ion:228 Resp: 266

Ion Ratio Lower Upper

228 100

226 52.7 23.9 35.9#

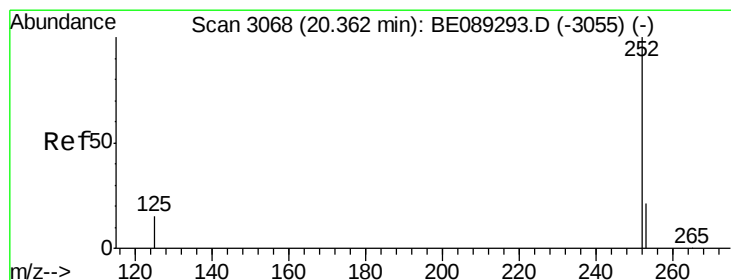
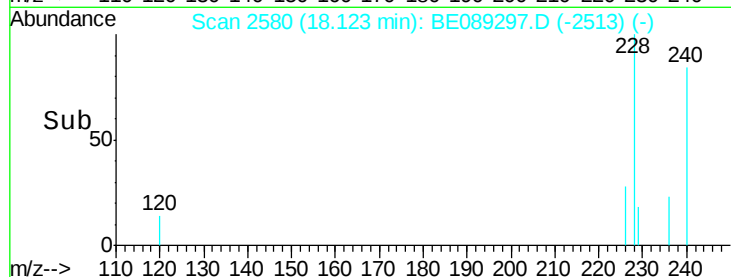
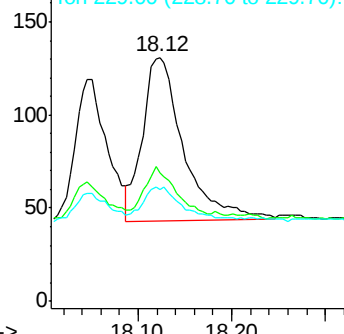
229 45.8 16.8 25.2#



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: 0.02 ng/ul

RT: 20.37 min Scan# 3070

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

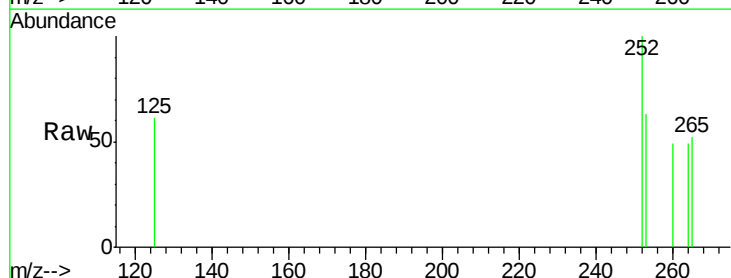
Tgt Ion:252 Resp: 110

Ion Ratio Lower Upper

252 100

253 62.5 0.0 47.8#

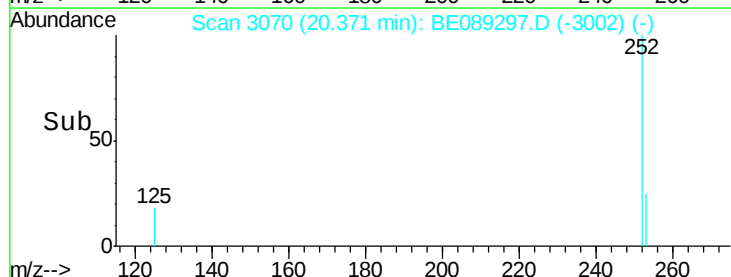
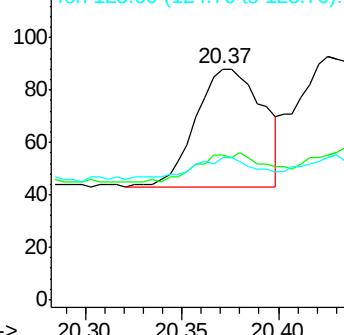
125 61.4 0.0 34.2#

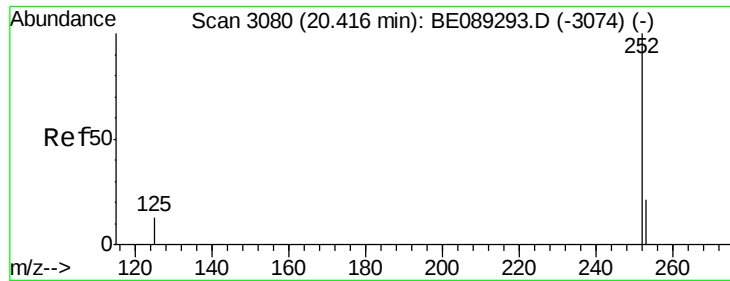


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 20.43 min Scan# 3082

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

Instrument :

BNA_E

ClientSampleId :

Y9RC1RX

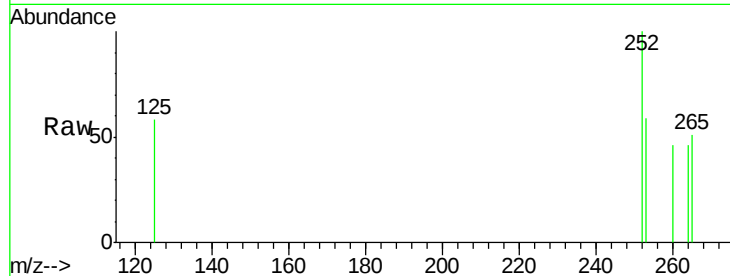
Tgt Ion: 252 Resp: 123

Ion Ratio Lower Upper

252 100

253 59.1 19.0 28.6#

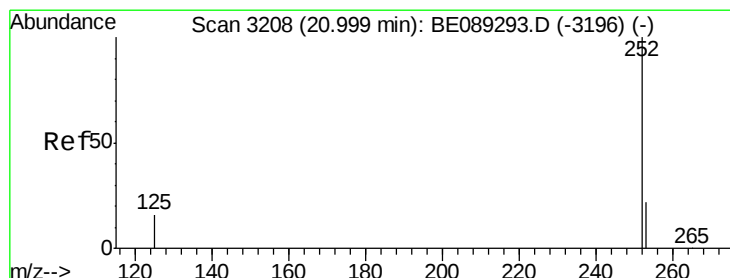
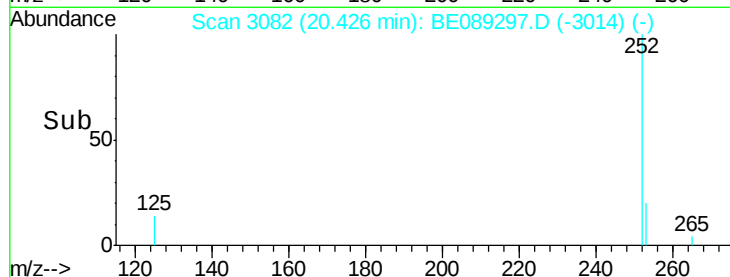
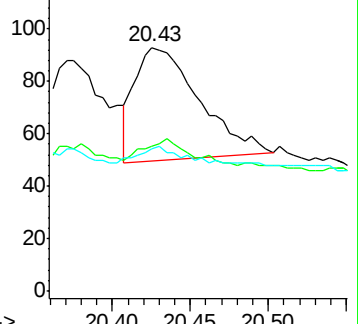
125 58.1 13.5 20.3#



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: 0.02 ng/ul

RT: 21.01 min Scan# 3211

Delta R.T. 0.01 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

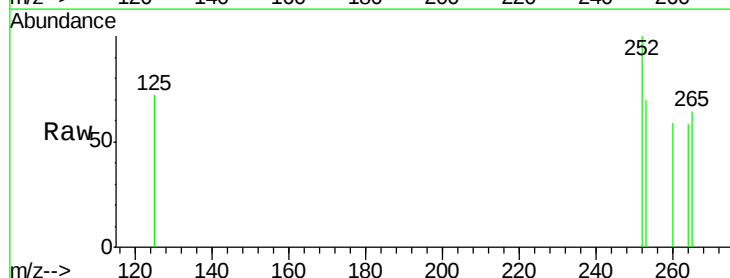
Tgt Ion: 252 Resp: 88

Ion Ratio Lower Upper

252 100

253 70.3 19.7 29.5#

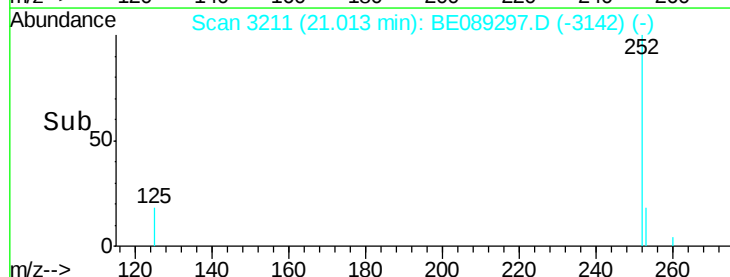
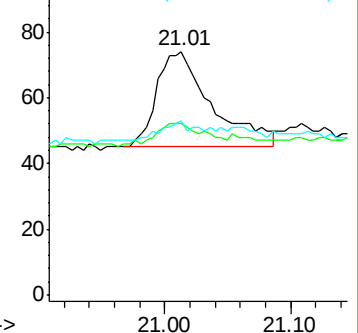
125 71.6 15.0 22.6#

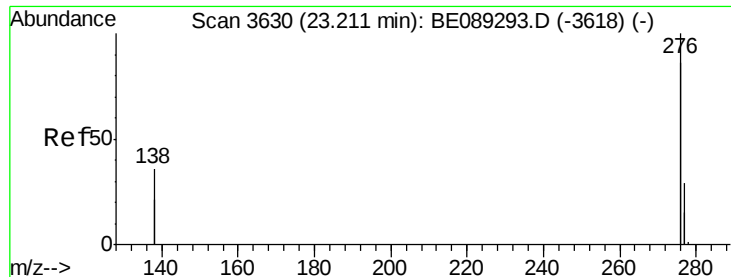


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.02 ng/ul

RT: 23.24 min Scan# 3635

Delta R.T. 0.03 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

Instrument :

BNA_E

ClientSampleId :

Y9RC1RX

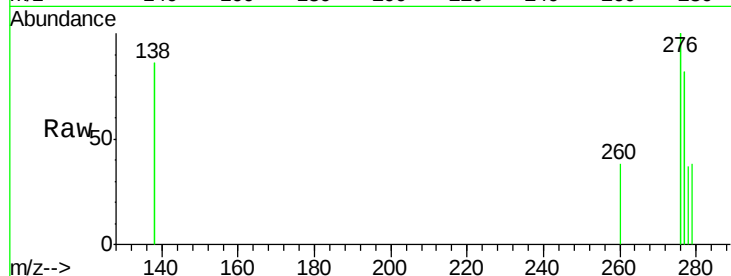
Tgt Ion:276 Resp: 297

Ion Ratio Lower Upper

276 100

138 23.2 23.8 35.8#

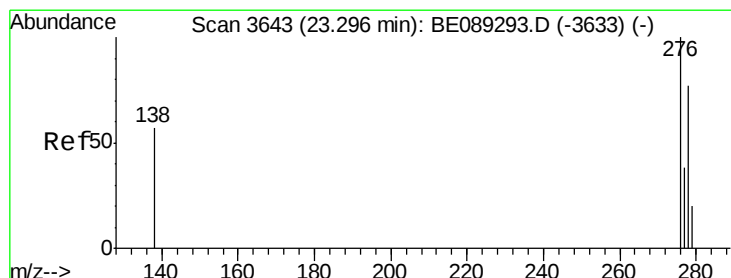
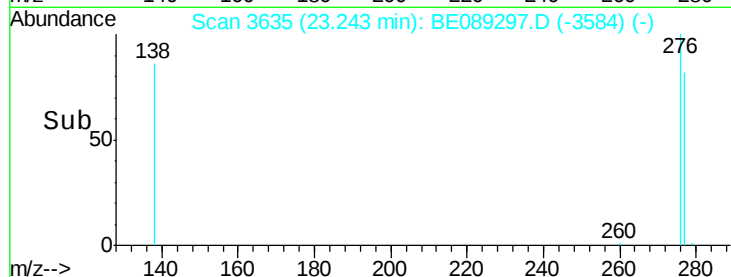
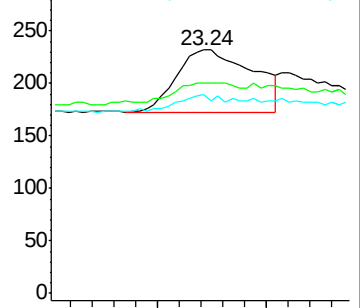
277 13.5 18.9 28.3#



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: 23.33 min Scan# 3648

Delta R.T. 0.03 min

Lab File: BE089297.D

Acq: 31 Dec 2014 17:51

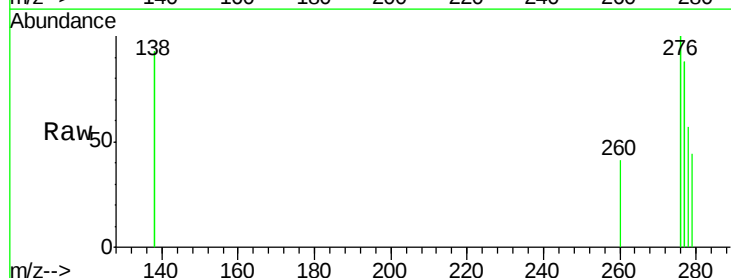
Tgt Ion:278 Resp: 75

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

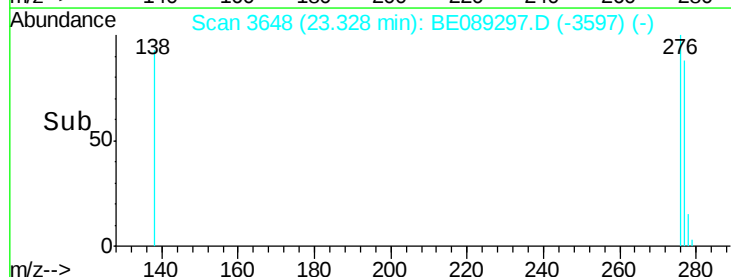
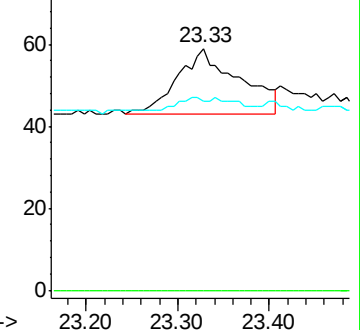
279 78.0 24.0 36.0#

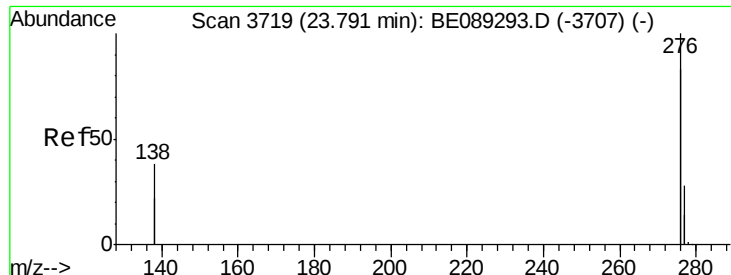


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.02 ng/ul

RT: 23.82 min Scan# 3723

Delta R.T. 0.03 min

Lab File: BE089297.D

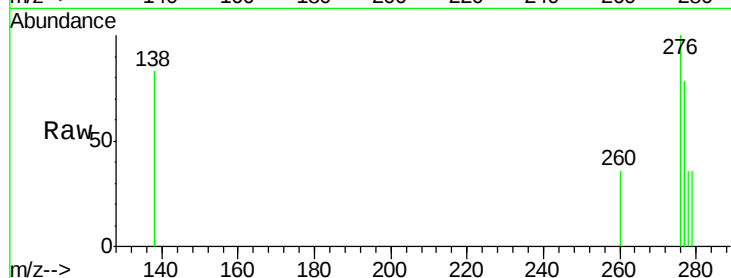
Acq: 31 Dec 2014 17:51

Instrument :

BNA_E

ClientSampleId :

Y9RC1RX



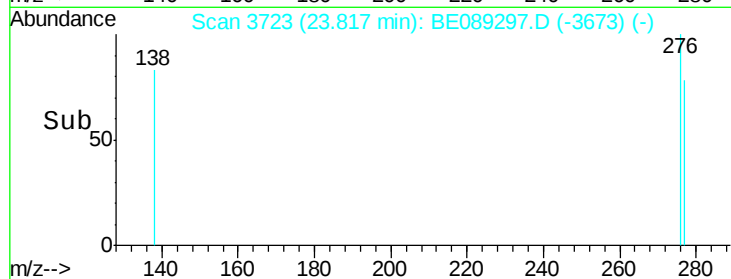
Tgt Ion: 276 Resp: 433

Ion Ratio Lower Upper

276 100

277 78.0 22.3 33.5#

138 82.9 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

