

Data Path : Z:\HPCHEM1\BNA_E\Data\BE123114\
 Data File : BE089296.D
 Acq On : 31 Dec 2014 17:18
 Operator : TP/IZ
 Sample : F5245-02RX
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RC0RX

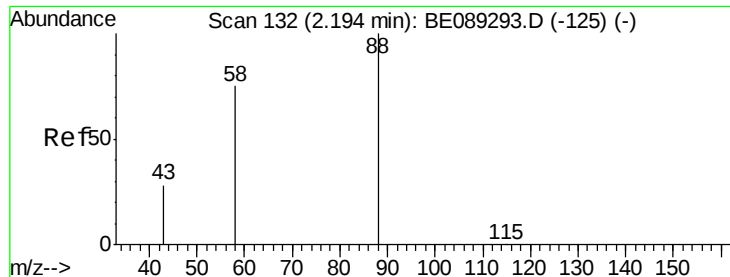
Quant Time: Jan 01 03:30:44 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE123014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 01 03:02:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1416	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	5483	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2740	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	4043	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2508	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	1883	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.17	96	810	0.38	ng/uL	0.02
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.91	212	1	0.00	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.21	88	2432	1.03	ng/ul#	84
5) Naphthalene	8.54	128	192	0.01	ng/ul#	31
7) 2-Methylnaphthalene	9.40	142	88	0.01	ng/ul	100
9) Acenaphthylene	10.48	152	276	0.01	ng/ul#	1
10) Acenaphthene	10.69	153	188	0.01	ng/ul#	52
11) Fluorene	11.35	166	48	0.01	ng/ul#	71
13) Pentachlorophenol	12.45	266	81	0.19	ng/ul#	84
14) Phenanthrene	12.75	178	477	0.01	ng/ul#	18
15) Anthracene	12.85	178	356	0.01	ng/ul#	1
17) Fluoranthene	14.96	202	629	0.02	ng/ul#	36
19) Pyrene	15.41	202	540	0.02	ng/ul#	33
20) Benzo(a)anthracene	18.05	228	88	0.02	ng/ul#	18
21) Chrysene	18.13	228	105	0.02	ng/ul#	26
23) Benzo(b)fluoranthene	20.38	252	49	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	20.43	252	53	0.01	ng/ul#	1
25) Benzo(a)pyrene	21.00	252	41	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.25	276	99	0.01	ng/ul#	71
27) Dibenzo(a,h)anthracene	23.33	278	15	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	23.84	276	193	0.01	ng/ul#	1

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



#3

1,4-Dioxane

Concen: 1.03 ng/ul

RT: 2.21 min Scan# 134

Delta R.T. 0.01 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

Instrument :

BNA_E

ClientSampleId :

Y9RC0RX

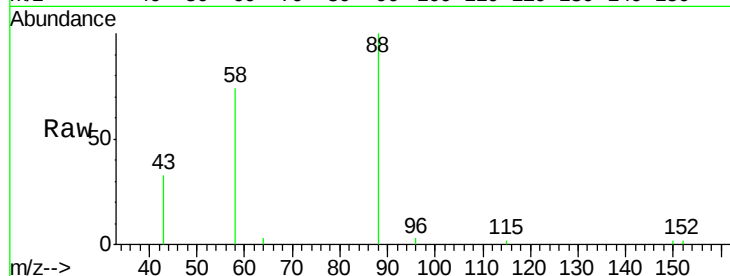
Tgt Ion: 88 Resp: 2432

Ion Ratio Lower Upper

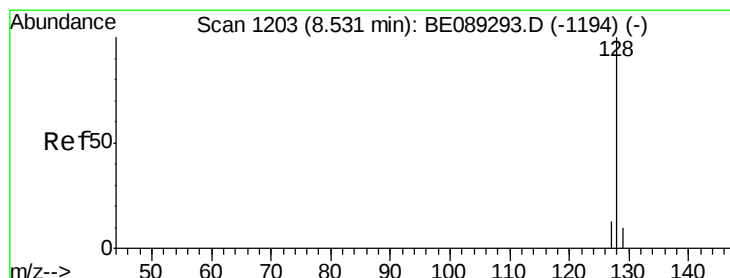
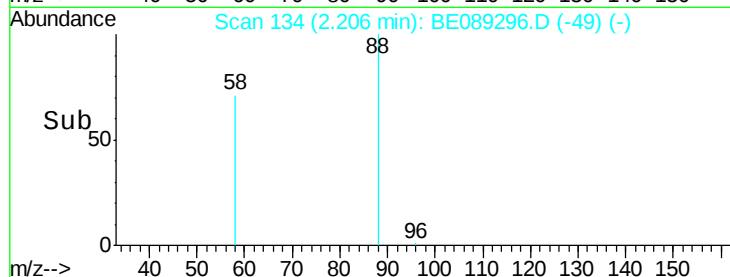
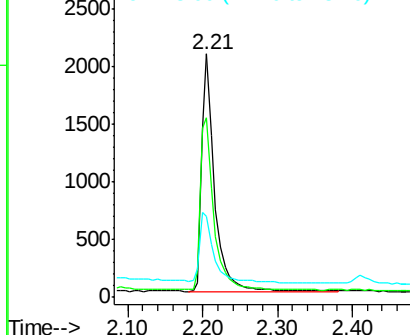
88 100

58 77.0 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: BE089296.D

Acq: 31 Dec 2014 17:18

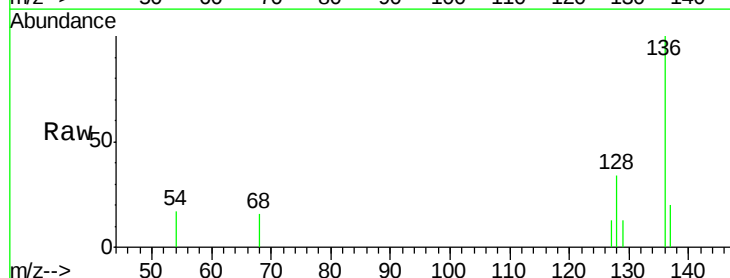
Tgt Ion: 128 Resp: 192

Ion Ratio Lower Upper

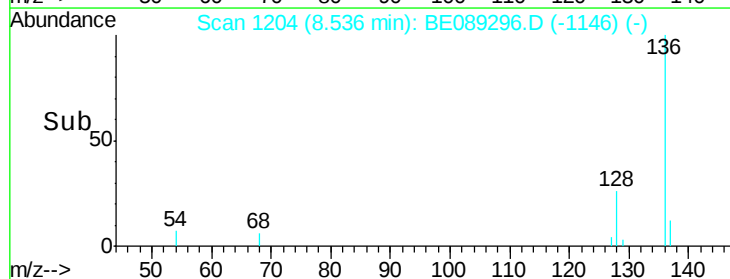
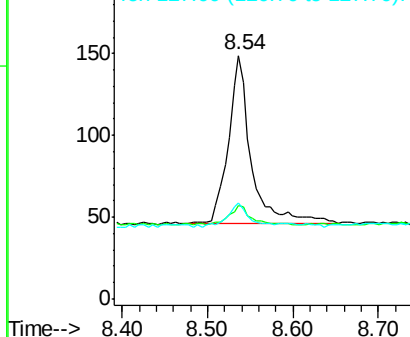
128 100

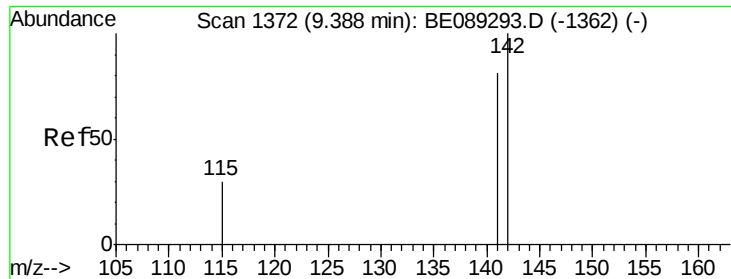
129 38.3 9.1 13.7#

127 39.6 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# 1374

Delta R.T. 0.01 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

Instrument :

BNA_E

ClientSampleId :

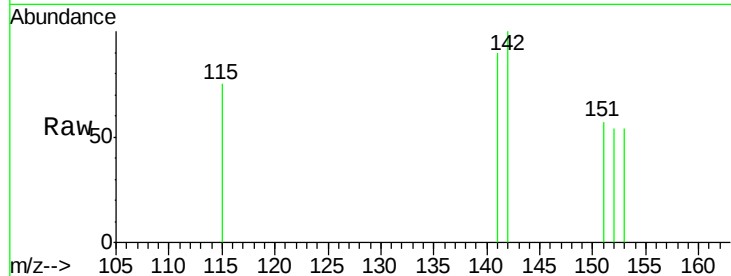
Y9RC0RX

Tgt Ion:142 Resp: 88

Ion Ratio Lower Upper

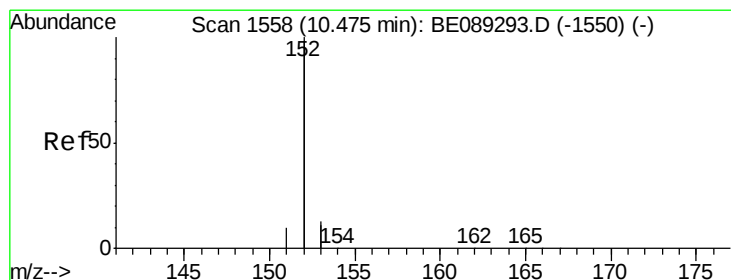
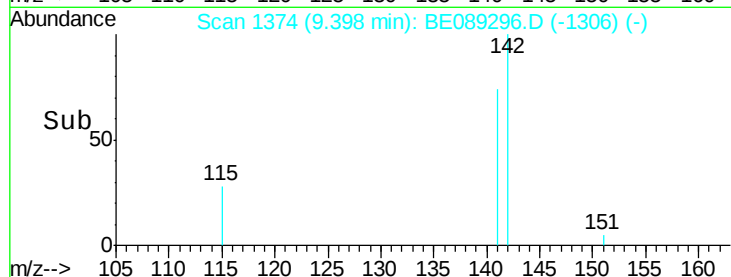
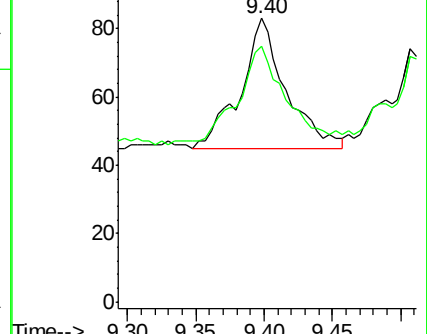
142 100

141 81.8 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: 0.01 ng/ul

RT: 10.48 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

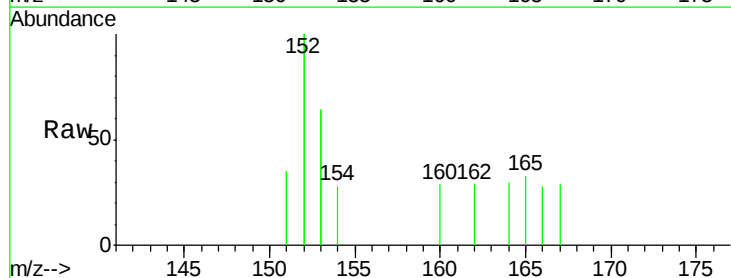
Tgt Ion:152 Resp: 276

Ion Ratio Lower Upper

152 100

151 17.3 4.0 6.0#

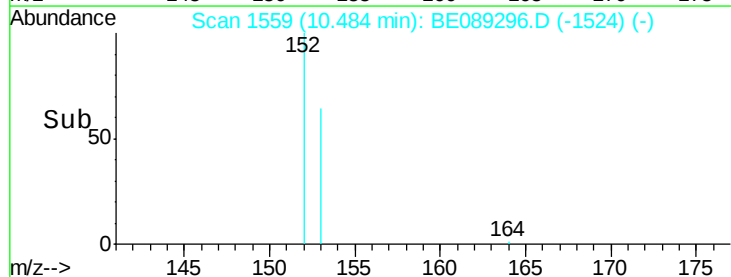
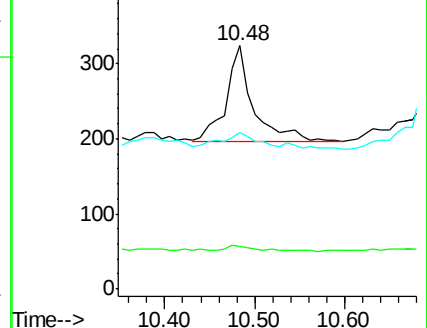
153 64.2 10.1 15.1#

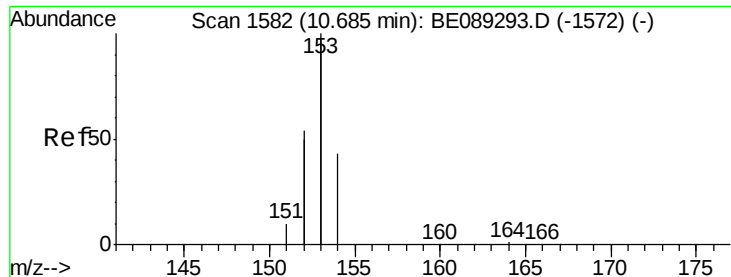


Abundance Ion 152.00 (151.70 to 152.70): E

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: 10.69 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

Instrument :

BNA_E

ClientSampleId :

Y9RC0RX

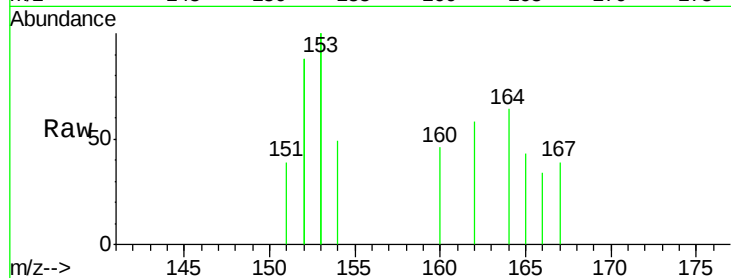
Tgt Ion:153 Resp: 188

Ion Ratio Lower Upper

153 100

152 87.9 32.6 49.0#

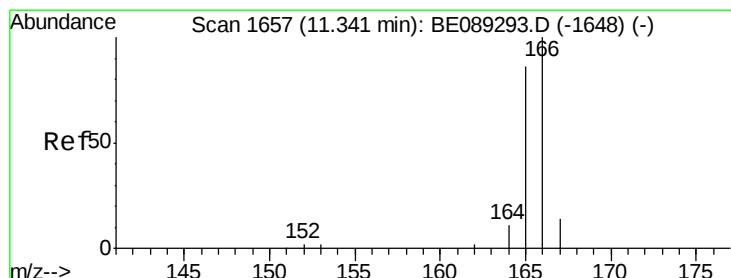
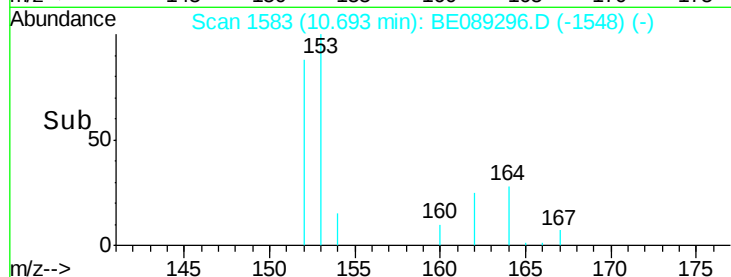
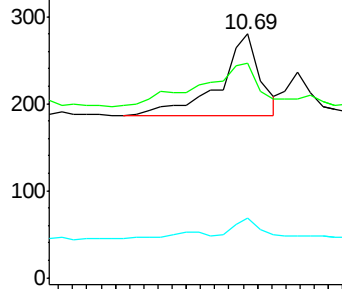
154 24.3 21.8 32.6



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: 11.35 min Scan# 1658

Delta R.T. 0.01 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

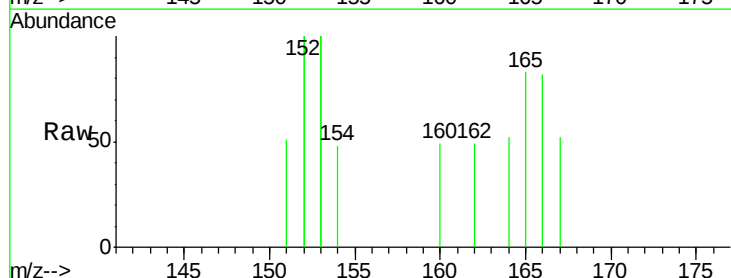
Tgt Ion:166 Resp: 48

Ion Ratio Lower Upper

166 100

165 101.3 70.3 105.5

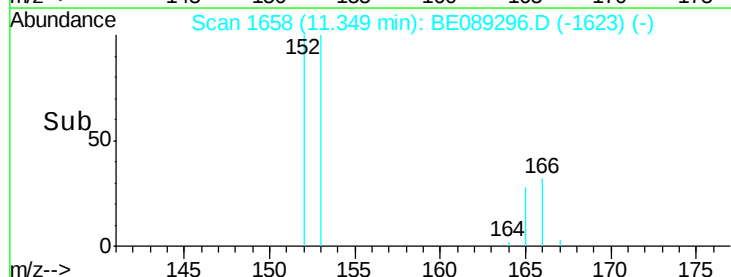
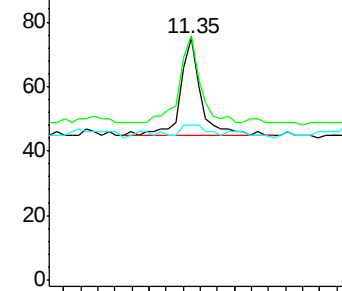
167 64.0 11.5 17.3#

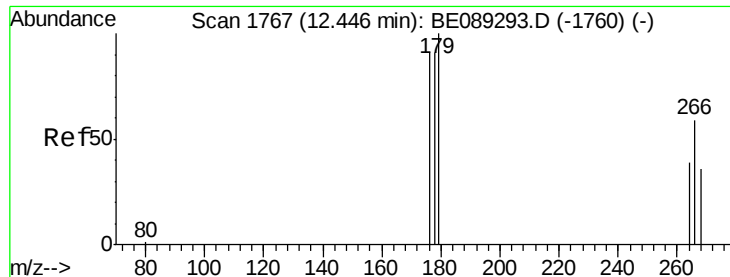


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Pentachlorophenol

Concen: 0.19 ng/ul

RT: 12.45 min Scan# 1767

Delta R.T. -0.00 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

Instrument :

BNA_E

ClientSampleId :

Y9RC0RX

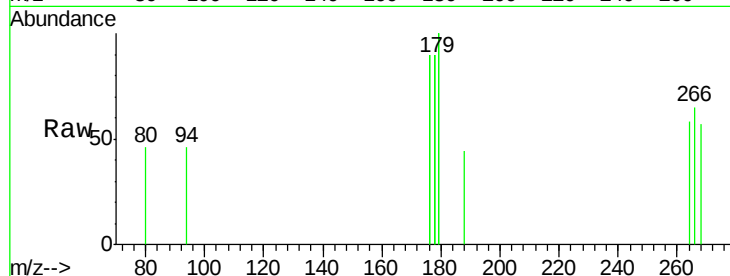
Tgt Ion:266 Resp: 81

Ion Ratio Lower Upper

266 100

264 50.6 48.7 73.1

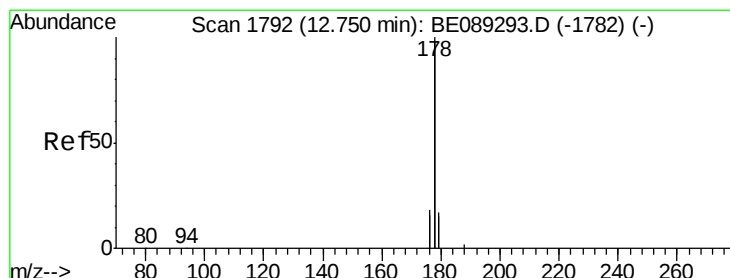
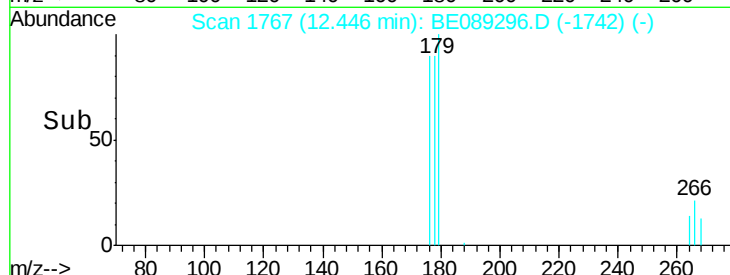
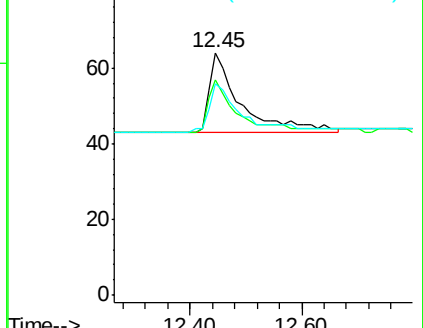
268 51.9 52.9 79.3#



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# 1792

Delta R.T. -0.00 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

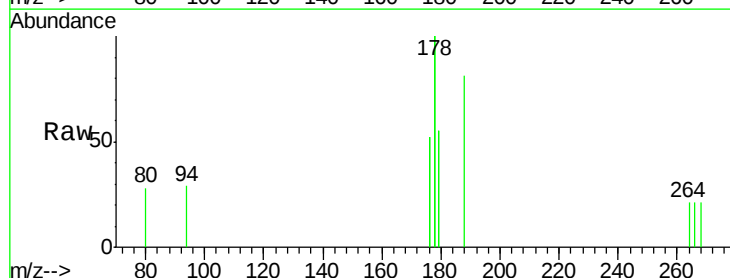
Tgt Ion:178 Resp: 477

Ion Ratio Lower Upper

178 100

176 51.7 14.3 21.5#

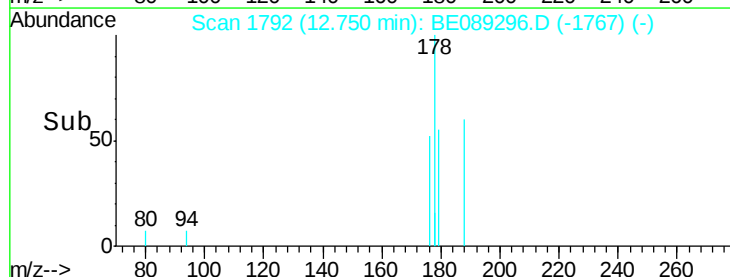
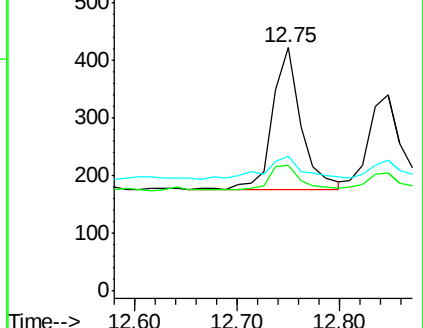
179 55.5 13.8 20.8#

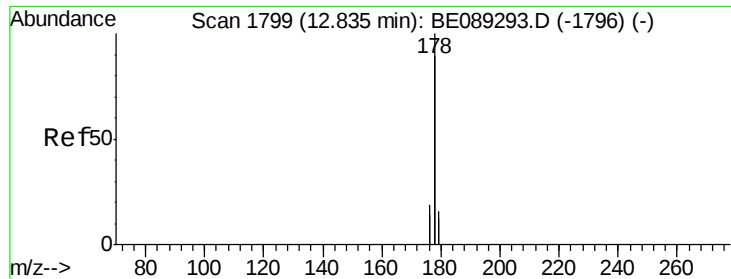


Abundance Ion 178.00 (177.70 to 178.70): E

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: BE089296.D

Acq: 31 Dec 2014 17:18

Instrument :

BNA_E

ClientSampleId :

Y9RC0RX

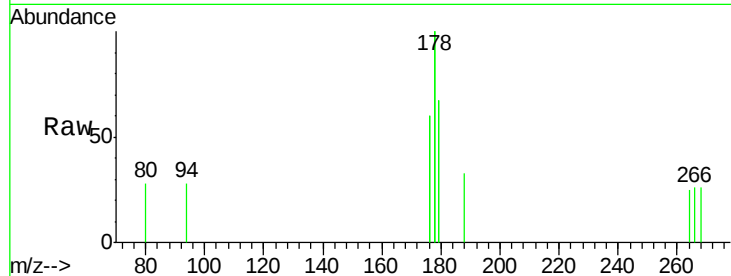
Tgt Ion:178 Resp: 356

Ion Ratio Lower Upper

178 100

176 60.0 14.7 22.1#

179 67.1 13.4 20.2#



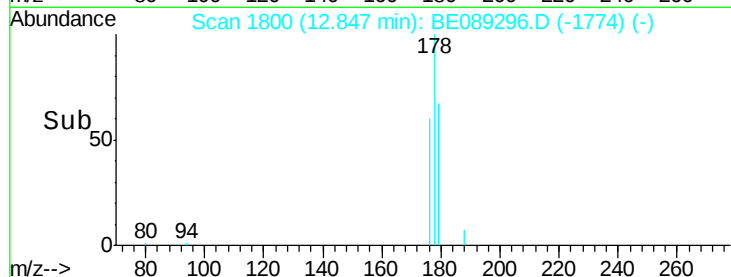
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

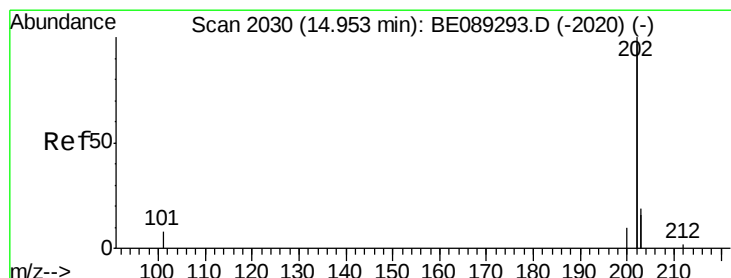
Ion 179.00 (178.70 to 179.70): E

12.85

Time-->



Time-->



#17

Fluoranthene

Concen: 0.02 ng/ul

RT: 14.96 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

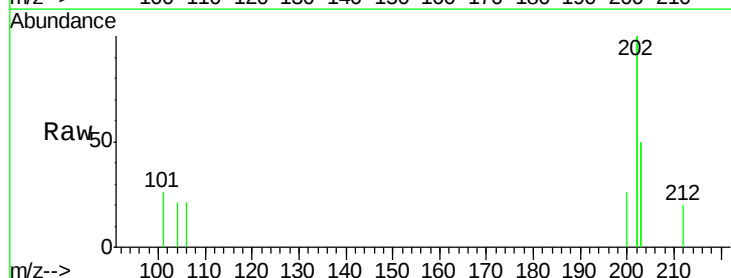
Tgt Ion:202 Resp: 629

Ion Ratio Lower Upper

202 100

101 13.1 0.0 24.6

203 50.2 0.0 37.8#



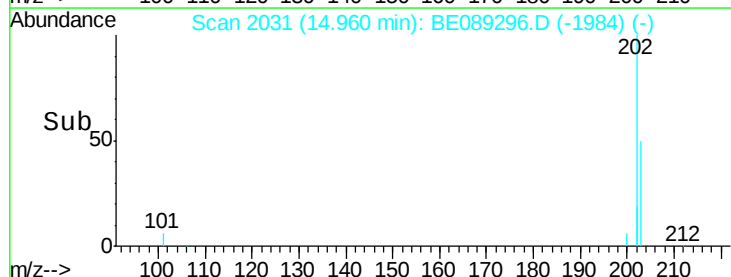
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

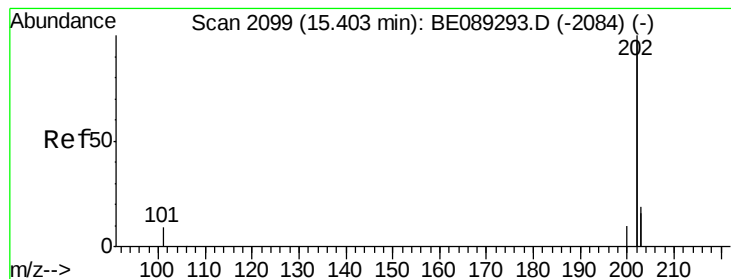
Ion 203.00 (202.70 to 203.70): E

14.96

Time-->



Time-->



#19

Pyrene

Concen: 0.02 ng/ul

RT: 15.41 min Scan# 2100

Delta R.T. 0.01 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

Instrument :

BNA_E

ClientSampleId :

Y9RC0RX

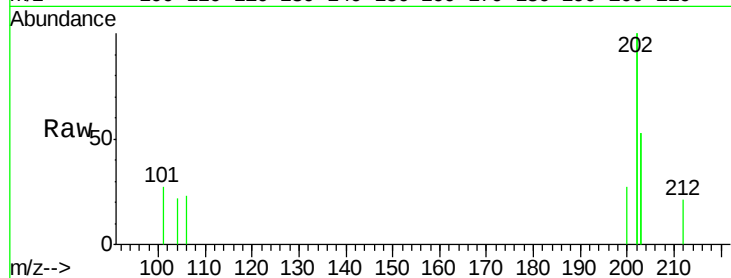
Tgt Ion:202 Resp: 540

Ion Ratio Lower Upper

202 100

200 13.6 4.2 6.4#

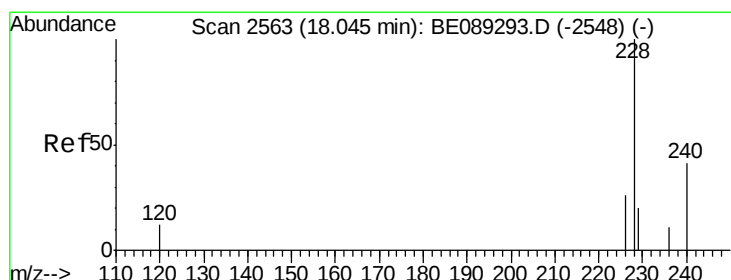
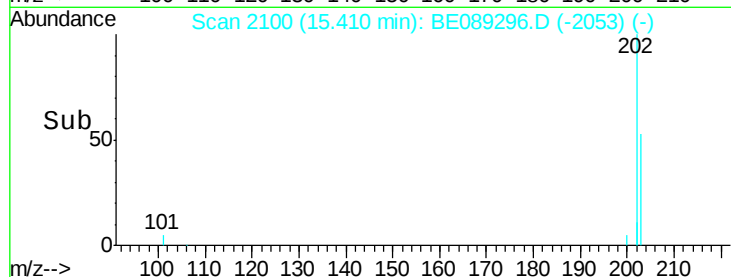
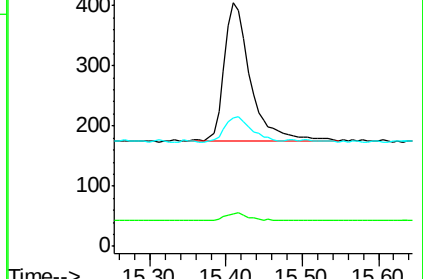
203 53.0 14.4 21.6#



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



#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 18.05 min Scan# 2564

Delta R.T. 0.01 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

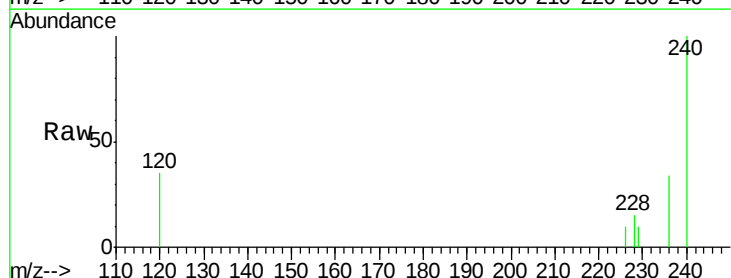
Tgt Ion:228 Resp: 88

Ion Ratio Lower Upper

228 100

226 66.7 21.9 32.9#

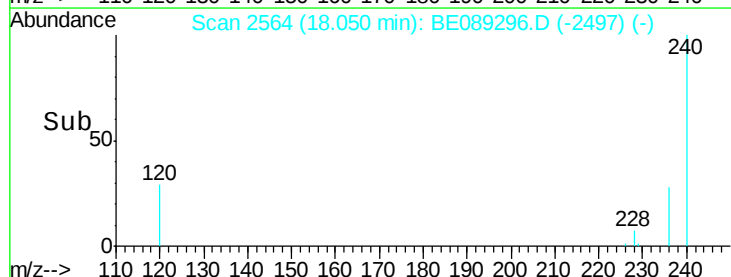
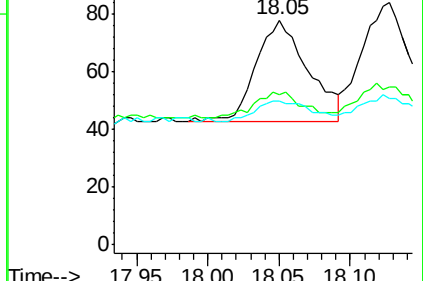
229 64.1 16.9 25.3#

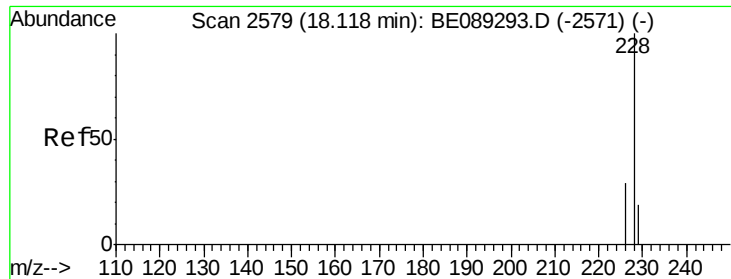


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.02 ng/ul

RT: 18.13 min Scan# 2581

Delta R.T. 0.01 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

Instrument :

BNA_E

ClientSampleId :

Y9RC0RX

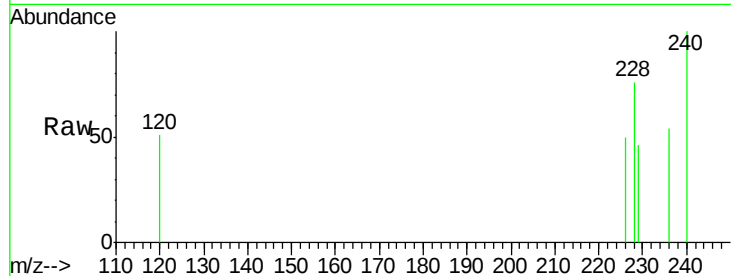
Tgt Ion:228 Resp: 105

Ion Ratio Lower Upper

228 100

226 65.5 23.9 35.9#

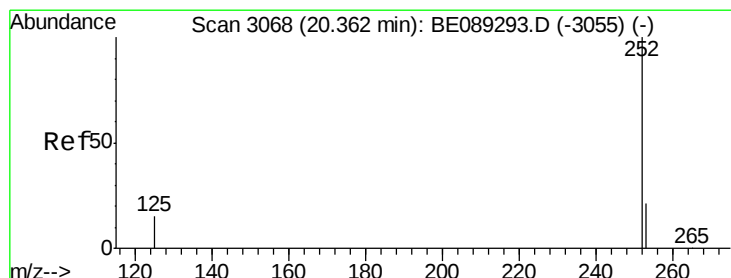
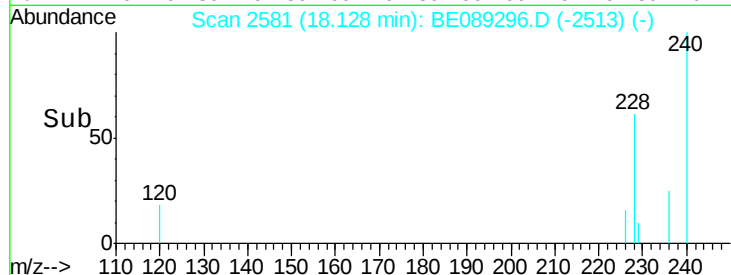
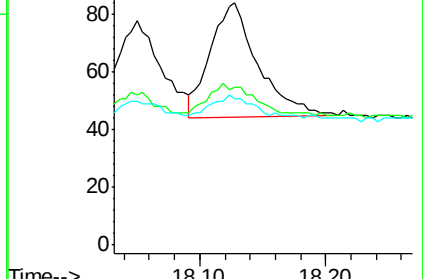
229 60.7 16.8 25.2#



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: 0.01 ng/ul

RT: 20.38 min Scan# 3071

Delta R.T. 0.01 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

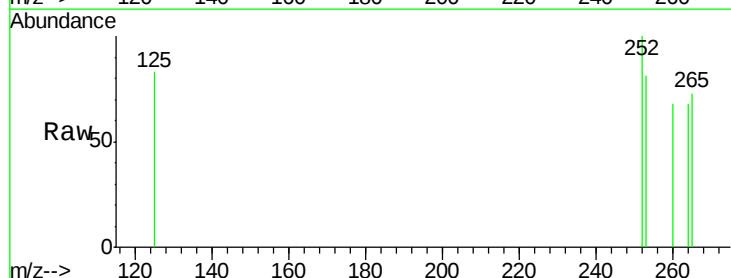
Tgt Ion:252 Resp: 49

Ion Ratio Lower Upper

252 100

253 81.0 0.0 47.8#

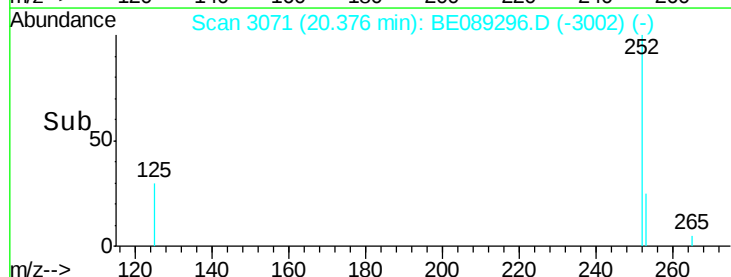
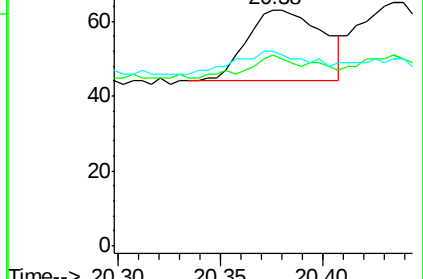
125 82.5 0.0 34.2#

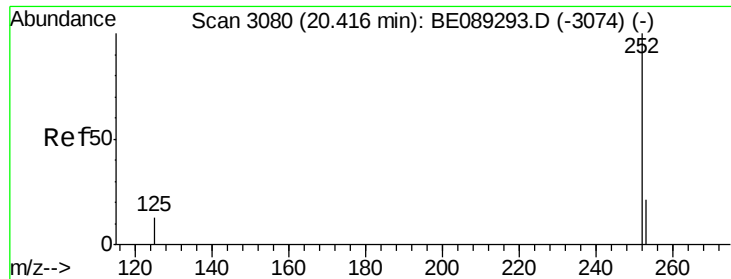


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 20.43 min Scan# 3084

Delta R.T. 0.02 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

Instrument :

BNA_E

ClientSampleId :

Y9RC0RX

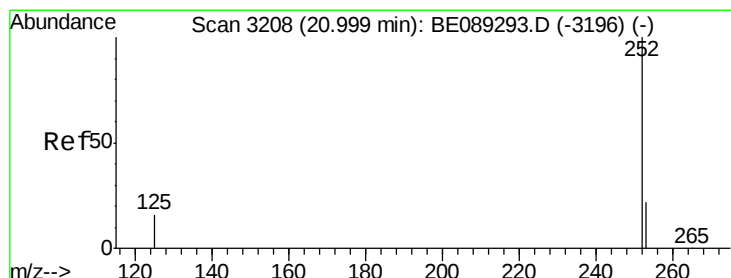
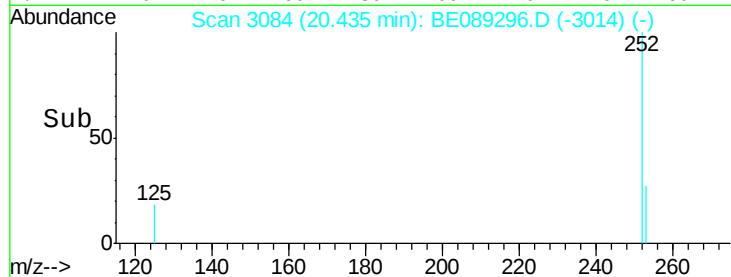
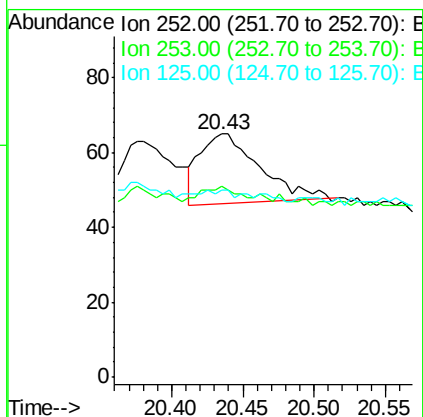
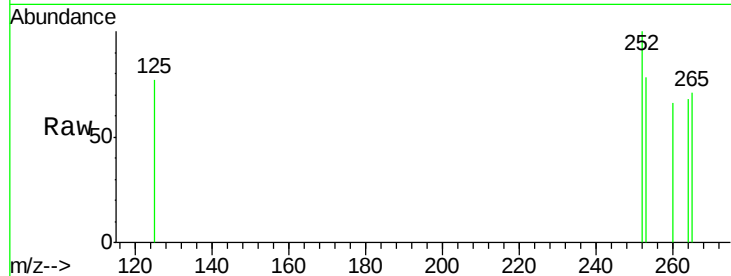
Tgt Ion:252 Resp: 53

Ion Ratio Lower Upper

252 100

253 78.5 19.0 28.6#

125 76.9 13.5 20.3#



#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 21.00 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

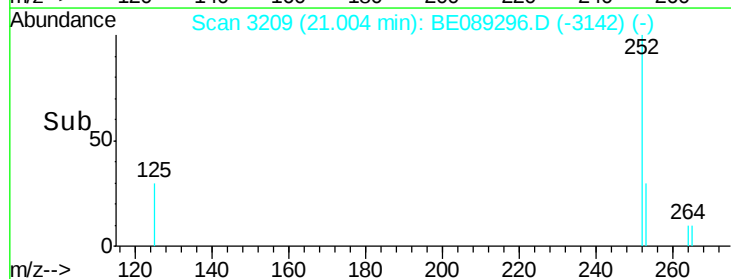
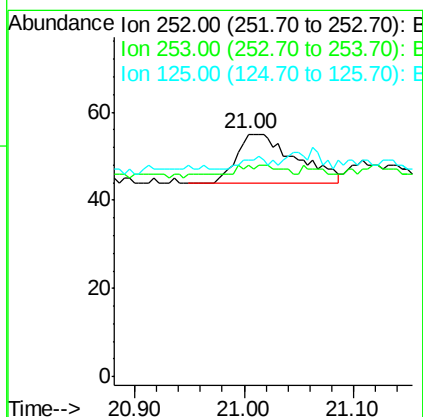
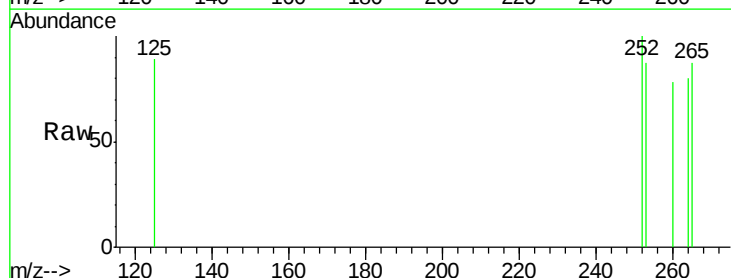
Tgt Ion:252 Resp: 41

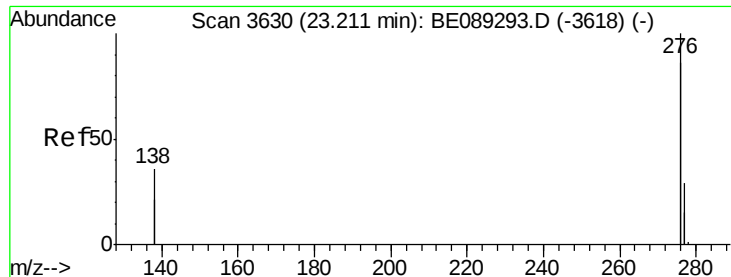
Ion Ratio Lower Upper

252 100

253 87.3 19.7 29.5#

125 89.1 15.0 22.6#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 23.25 min Scan# 3636

Delta R.T. 0.04 min

Lab File: BE089296.D

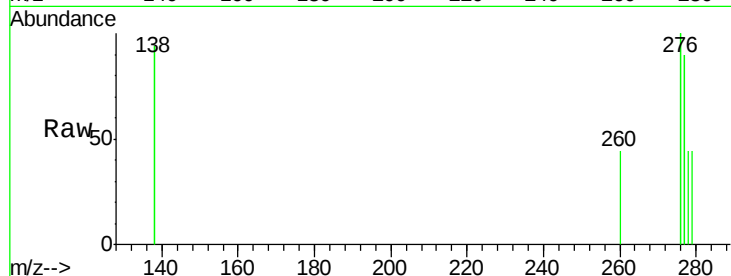
Acq: 31 Dec 2014 17:18

Instrument :

BNA_E

ClientSampleId :

Y9RC0RX



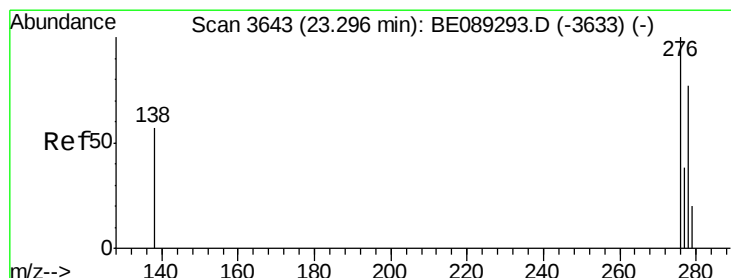
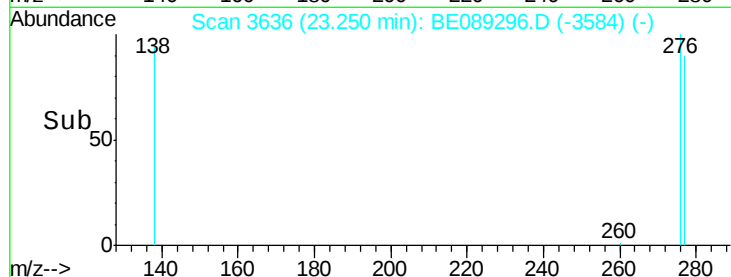
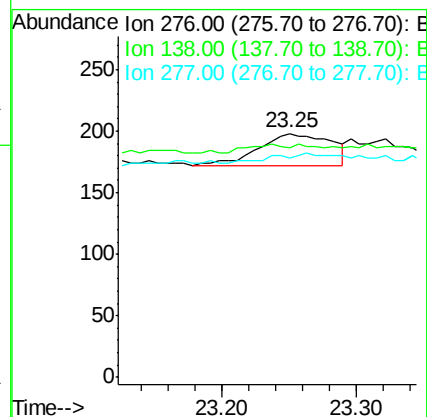
Tgt Ion:276 Resp: 99

Ion Ratio Lower Upper

276 100

138 3.0 23.8 35.8#

277 25.3 18.9 28.3



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 23.33 min Scan# 3648

Delta R.T. 0.03 min

Lab File: BE089296.D

Acq: 31 Dec 2014 17:18

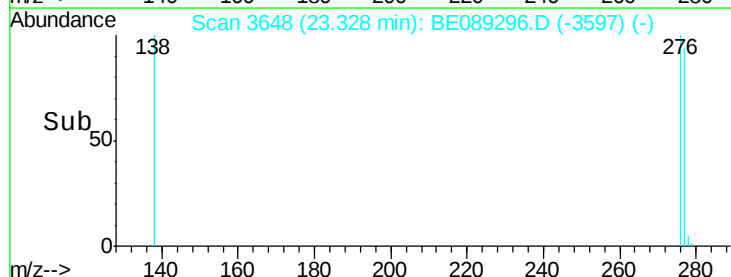
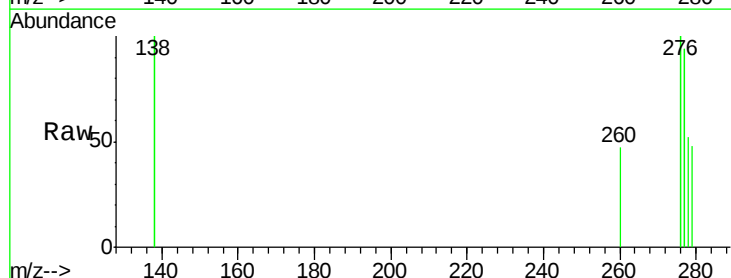
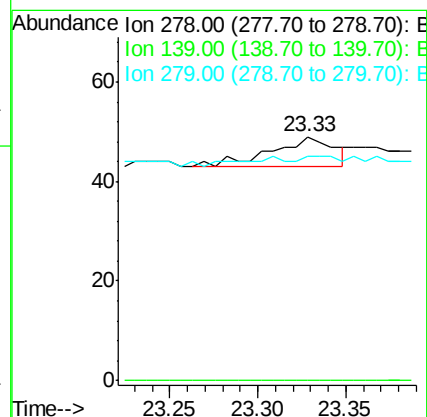
Tgt Ion:278 Resp: 15

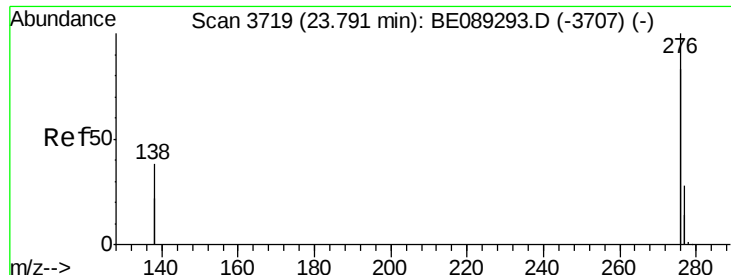
Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

279 91.8 24.0 36.0#





#28

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 23.84 min Scan# 3726

Delta R.T. 0.05 min

Lab File: BE089296.D

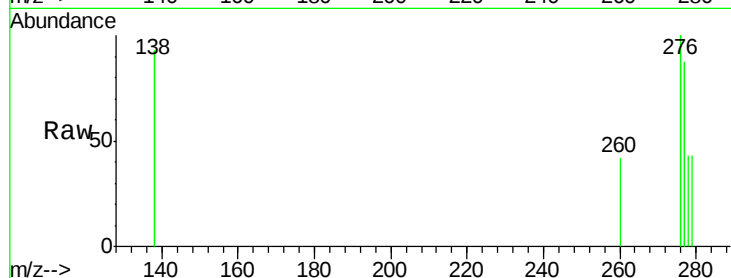
Acq: 31 Dec 2014 17:18

Instrument :

BNA_E

ClientSampleId :

Y9RC0RX



Tgt Ion: 276 Resp: 193

Ion Ratio Lower Upper

276 100

277 87.4 22.3 33.5#

138 93.2 30.0 45.0#

