

Data Path : Z:\HPCHEM1\BNA_E\Data\BE123114\
 Data File : BE089298.D
 Acq On : 31 Dec 2014 18:23
 Operator : TP/IZ
 Sample : F5245-06RX
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RC2RX

Quant Time: Jan 01 03:36:25 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	1722	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	6763	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	3276	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.70	188	4947	0.40	ng/ul	-0.01
18) Chrysene-d12	18.06	240	3112	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2284	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.18	96	932	0.36	ng/uL	0.02
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.91	212	4	0.00	ng/ul	0.00

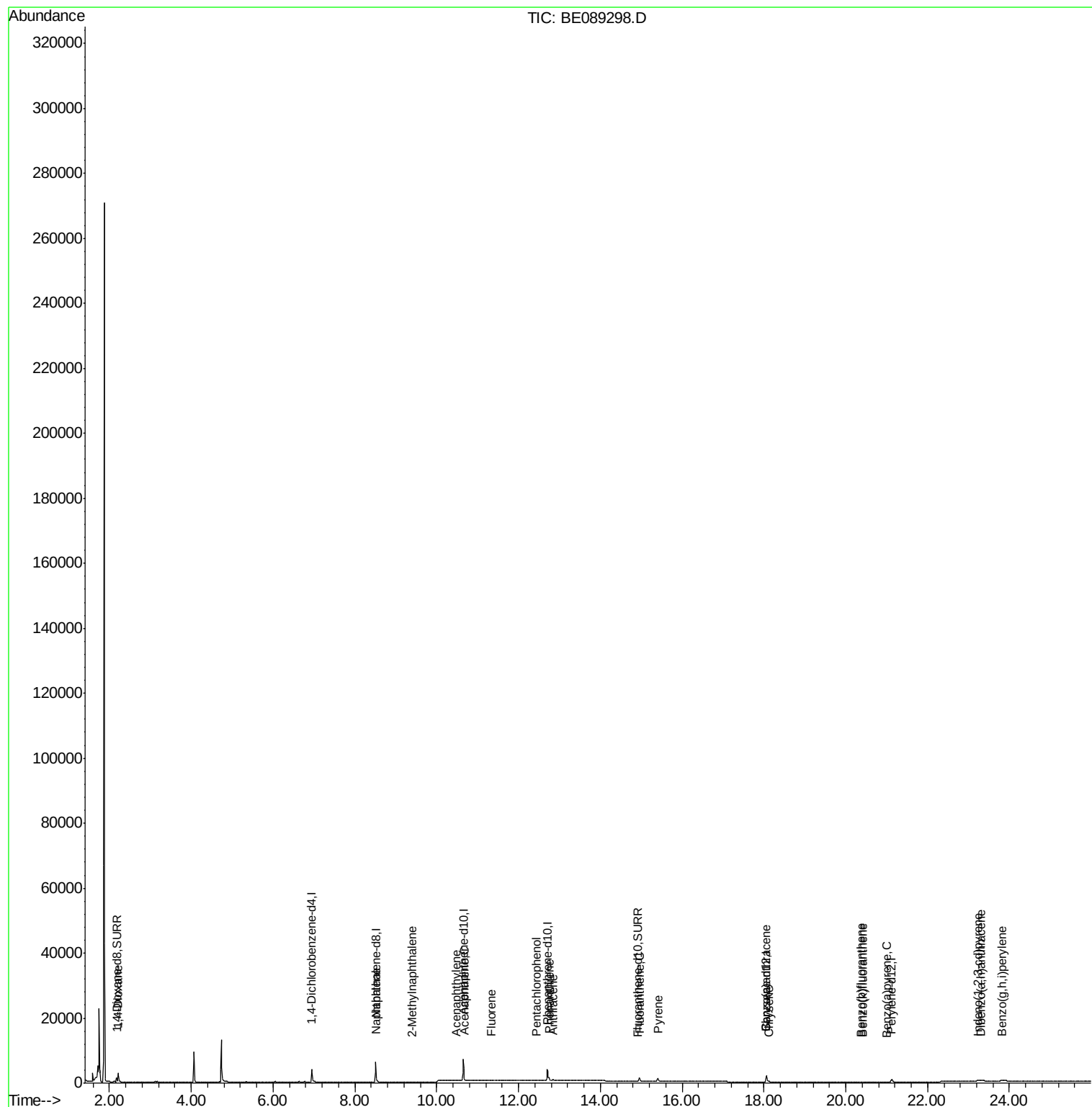
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.21	88	1555	0.54	ng/ul#	84
5) Naphthalene	8.53	128	544	0.03	ng/ul#	74
7) 2-Methylnaphthalene	9.39	142	103	0.01	ng/ul	99
9) Acenaphthylene	10.48	152	132	0.00	ng/ul#	1
10) Acenaphthene	10.69	153	134	0.00	ng/ul#	44
11) Fluorene	11.34	166	35	0.00	ng/ul#	64
13) Pentachlorophenol	12.45	266	79	0.15	ng/ul	98
14) Phenanthrene	12.75	178	965	0.02	ng/ul#	49
15) Anthracene	12.83	178	646	0.01	ng/ul#	22
17) Fluoranthene	14.96	202	1917	0.04	ng/ul	75
19) Pyrene	15.40	202	1749	0.04	ng/ul#	72
20) Benzo(a)anthracene	18.05	228	303	0.04	ng/ul#	64
21) Chrysene	18.12	228	433	0.05	ng/ul#	71
23) Benzo(b)fluoranthene	20.37	252	191	0.03	ng/ul#	39
24) Benzo(k)fluoranthene	20.43	252	299	0.04	ng/ul#	45
25) Benzo(a)pyrene	21.00	252	130	0.02	ng/ul#	20
26) Indeno(1,2,3-cd)pyrene	23.24	276	442	0.03	ng/ul	96
27) Dibenzo(a,h)anthracene	23.31	278	143	0.03	ng/ul#	22
28) Benzo(g,h,i)perylene	23.81	276	894	0.04	ng/ul#	34

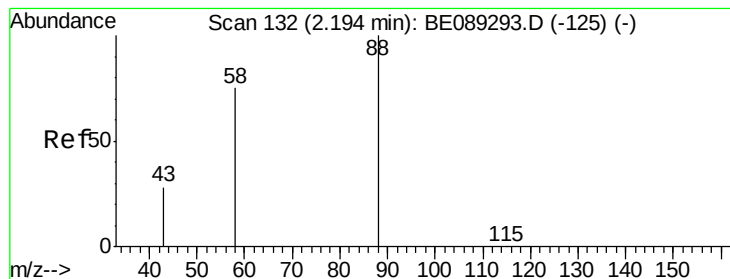
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.54 ng/ul

RT: 2.21 min Scan# 135

Delta R.T. 0.02 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

Instrument :

BNA_E

ClientSampleId :

Y9RC2RX

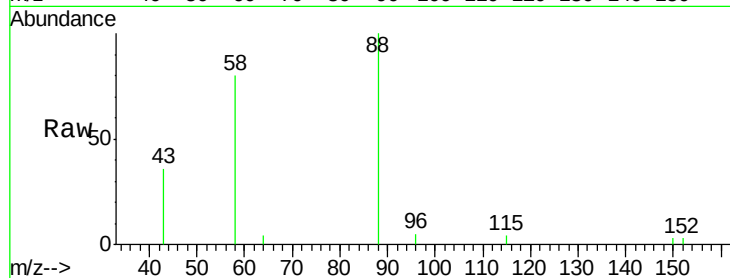
Tgt Ion: 88 Resp: 1555

Ion Ratio Lower Upper

88 100

58 76.1 61.5 92.3

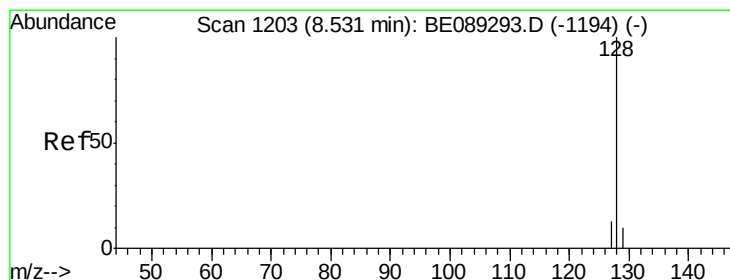
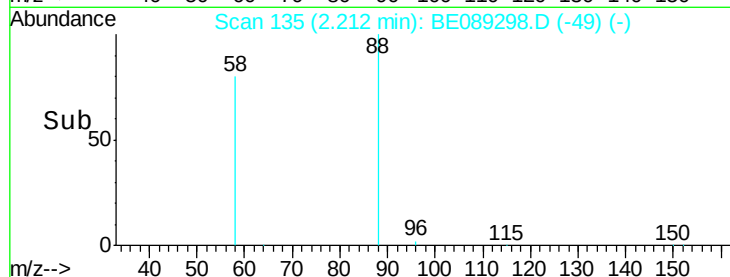
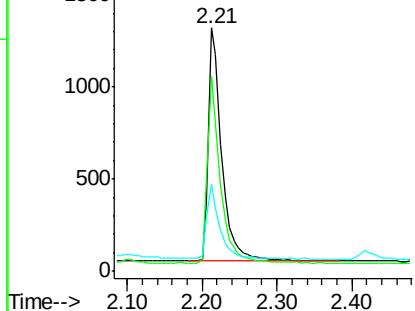
43 0.0 23.9 35.9#



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: 0.03 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

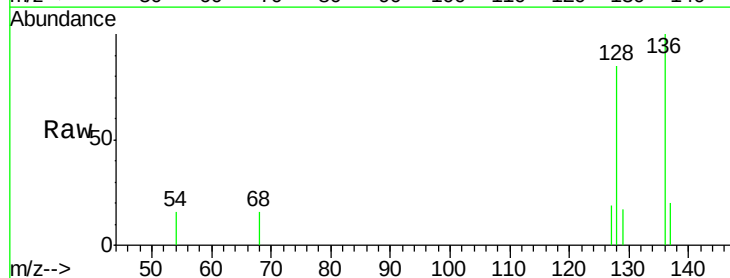
Tgt Ion: 128 Resp: 544

Ion Ratio Lower Upper

128 100

129 20.7 9.1 13.7#

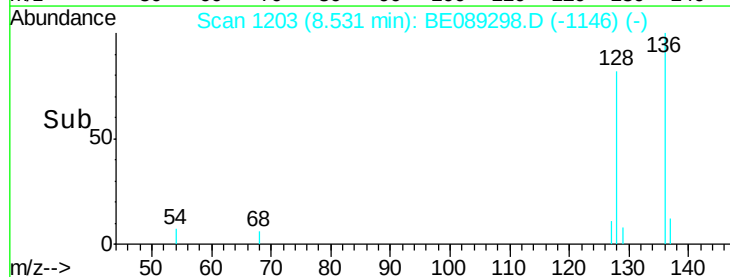
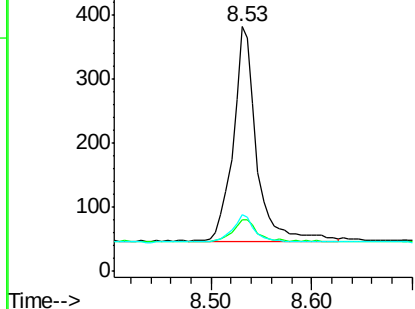
127 23.0 10.0 15.0#

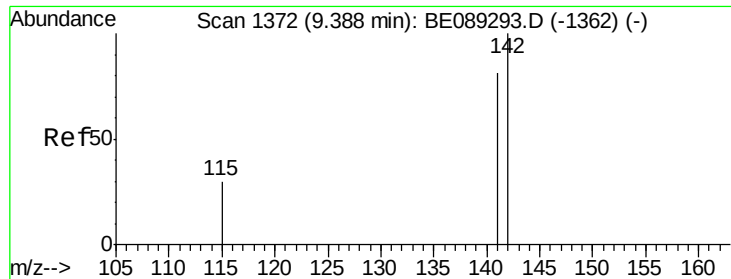


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.39 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

Instrument :

BNA_E

ClientSampleId :

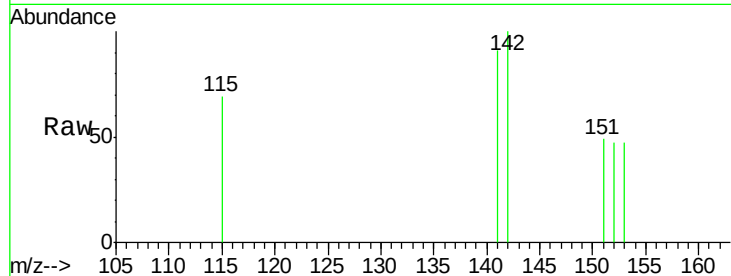
Y9RC2RX

Tgt Ion:142 Resp: 103

Ion Ratio Lower Upper

142 100

141 80.6 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

100

80

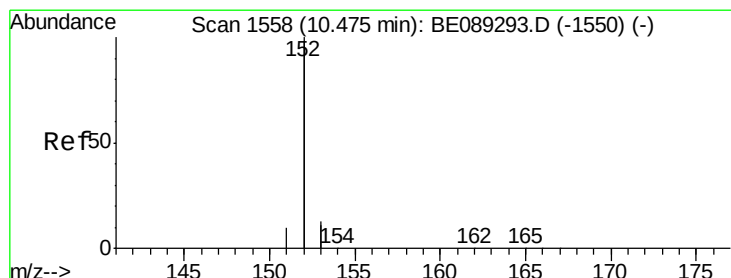
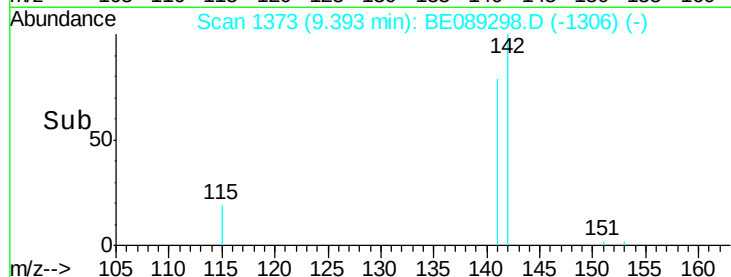
60

40

20

0

Time--> 9.30 9.35 9.40 9.45



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.48 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

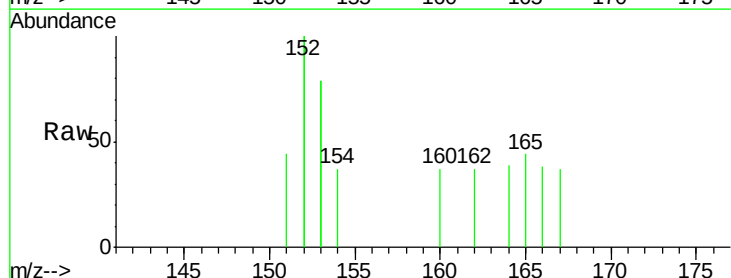
Tgt Ion:152 Resp: 132

Ion Ratio Lower Upper

152 100

151 22.2 4.0 6.0#

153 79.4 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

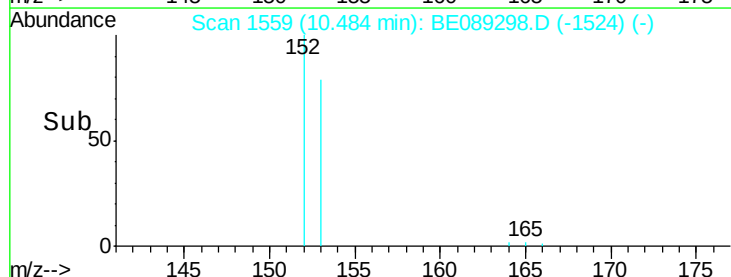
300

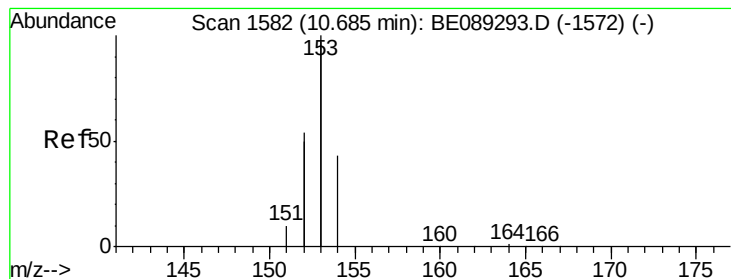
200

100

0

Time--> 10.40 10.50 10.60





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 10.69 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

Instrument :

BNA_E

ClientSampleId :

Y9RC2RX

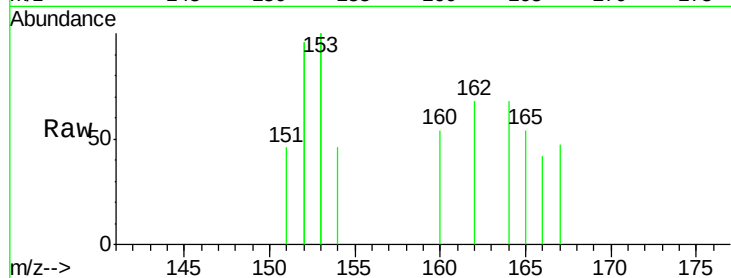
Tgt Ion:153 Resp: 134

Ion Ratio Lower Upper

153 100

152 95.6 32.6 49.0#

154 23.2 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

250

200

150

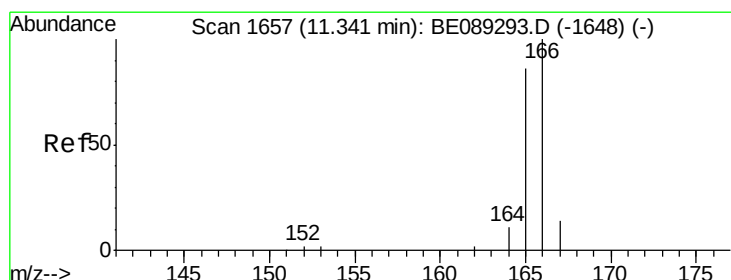
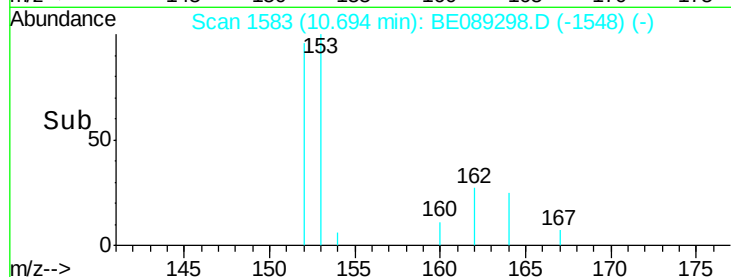
100

50

0

10.60 10.70

Time-->



#11

Fluorene

Concen: 0.00 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

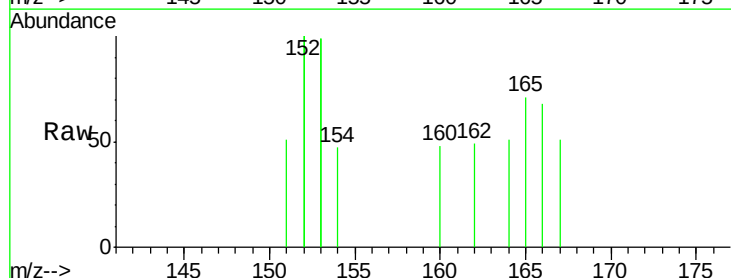
Tgt Ion:166 Resp: 35

Ion Ratio Lower Upper

166 100

165 104.8 70.3 105.5

167 74.6 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

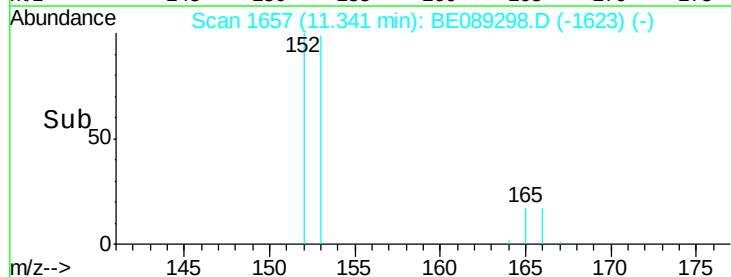
40

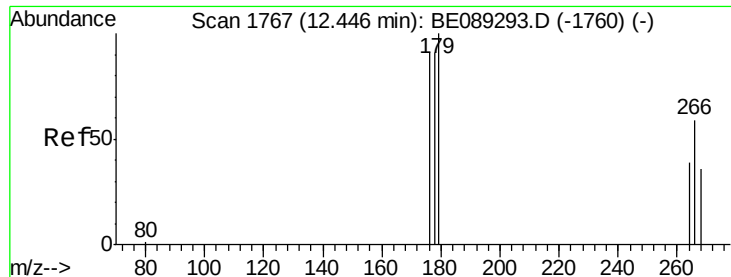
20

0

11.30 11.40

Time-->





#13

Pentachlorophenol

Concen: 0.15 ng/ul

RT: 12.45 min Scan# 1767

Delta R.T. -0.00 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

Instrument :

BNA_E

ClientSampleId :

Y9RC2RX

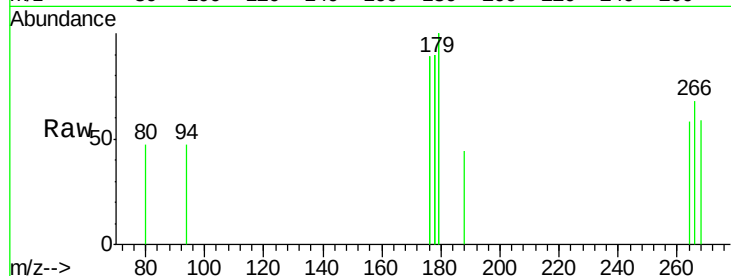
Tgt Ion: 266 Resp: 79

Ion Ratio Lower Upper

266 100

264 64.6 48.7 73.1

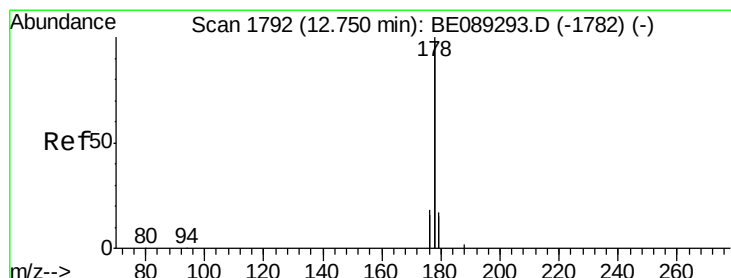
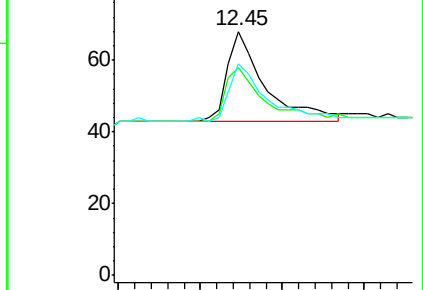
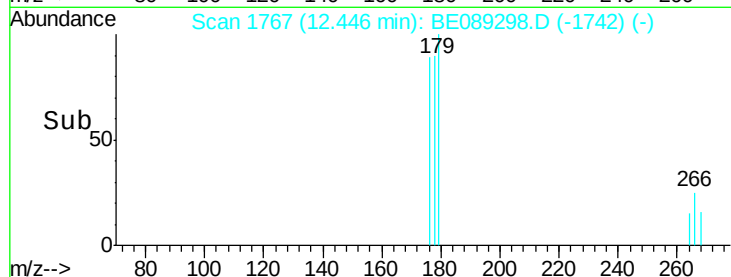
268 65.8 52.9 79.3



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# 1792

Delta R.T. -0.00 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

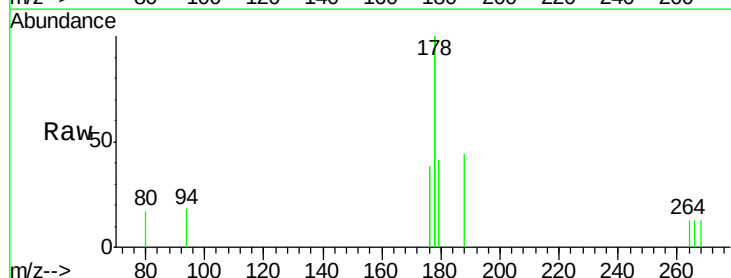
Tgt Ion: 178 Resp: 965

Ion Ratio Lower Upper

178 100

176 38.4 14.3 21.5#

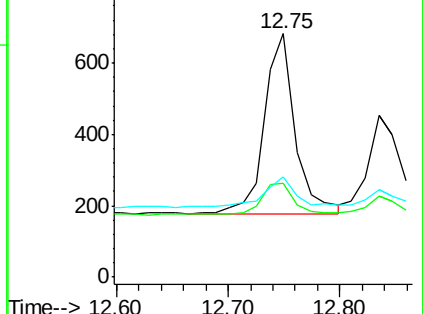
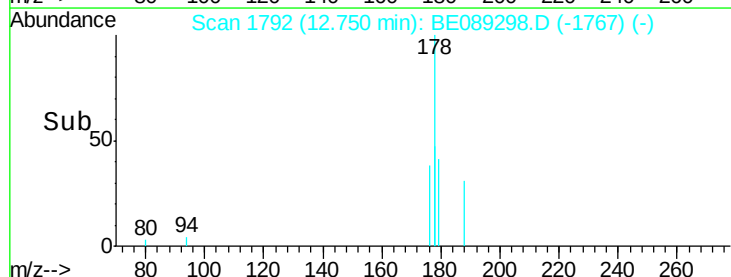
179 41.3 13.8 20.8#

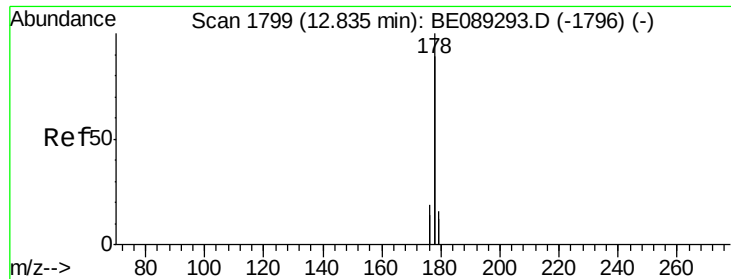


Abundance Ion 178.00 (177.70 to 178.70): E

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# 1799

Delta R.T. -0.00 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

Instrument :

BNA_E

ClientSampleId :

Y9RC2RX

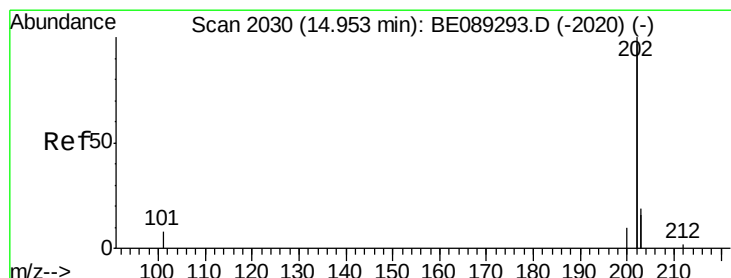
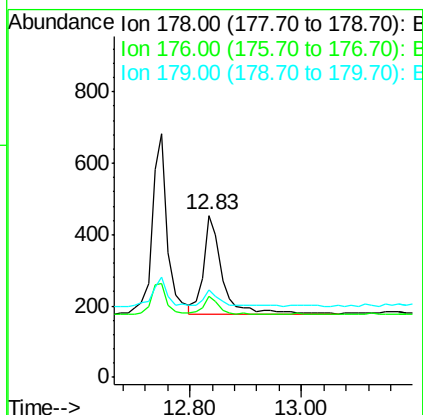
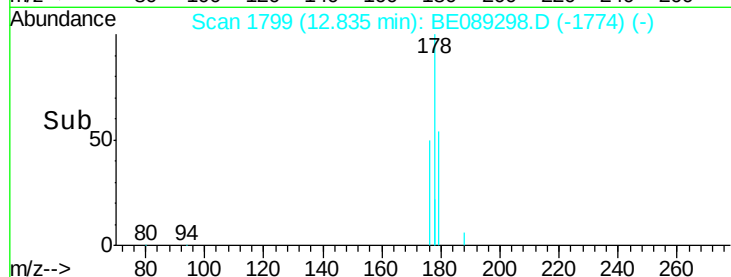
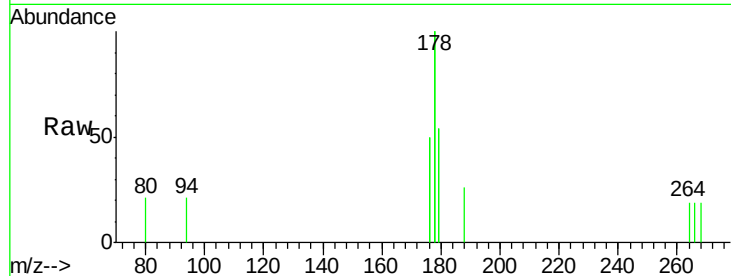
Tgt Ion:178 Resp: 646

Ion Ratio Lower Upper

178 100

176 49.8 14.7 22.1#

179 53.7 13.4 20.2#



#17

Fluoranthene

Concen: 0.04 ng/ul

RT: 14.96 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

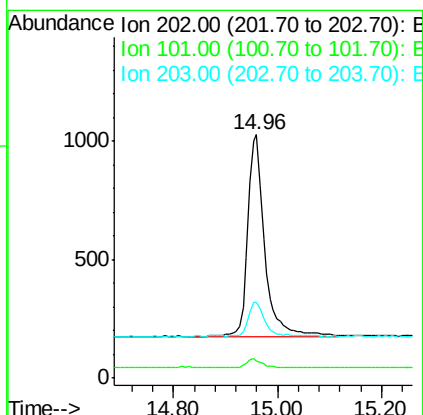
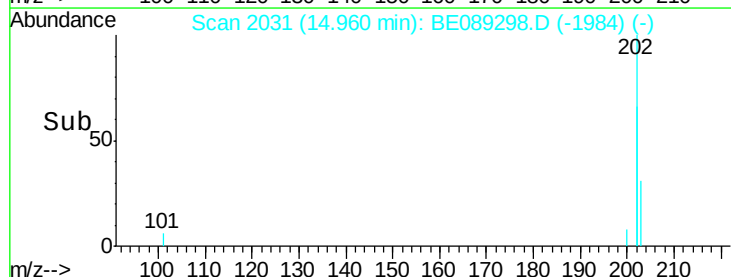
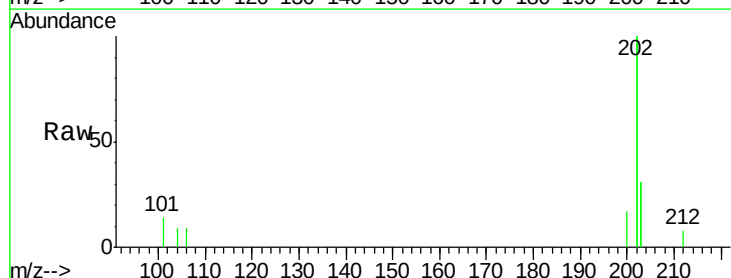
Tgt Ion:202 Resp: 1917

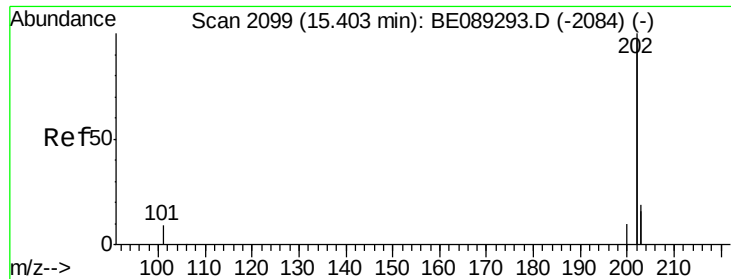
Ion Ratio Lower Upper

202 100

101 7.2 0.0 24.6

203 30.9 0.0 37.8





#19

Pyrene

Concen: 0.04 ng/ul

RT: 15.40 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

Instrument :

BNA_E

ClientSampleId :

Y9RC2RX

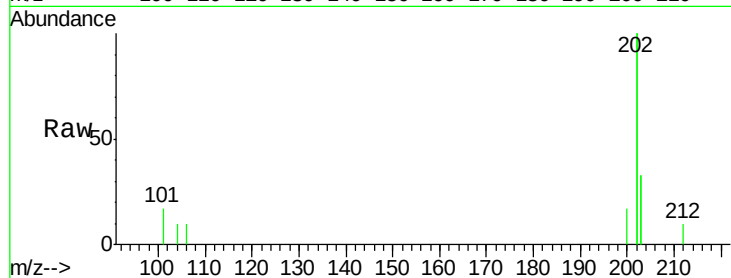
Tgt Ion:202 Resp: 1749

Ion Ratio Lower Upper

202 100

200 8.7 4.2 6.4#

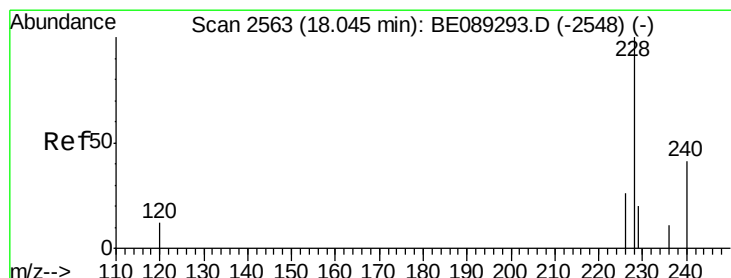
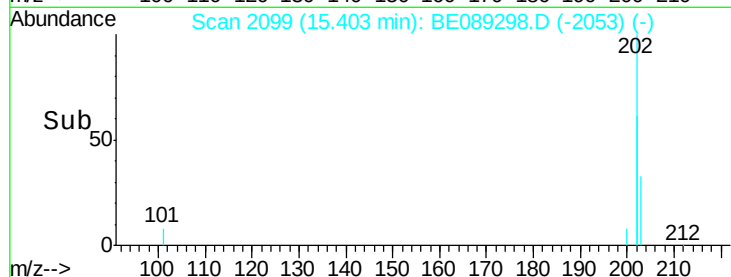
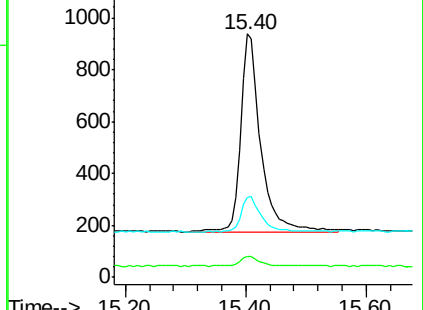
203 32.8 14.4 21.6#



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: 0.04 ng/ul

RT: 18.05 min Scan# 2563

Delta R.T. 0.00 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

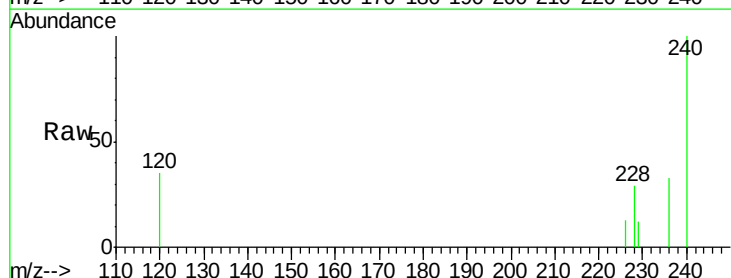
Tgt Ion:228 Resp: 303

Ion Ratio Lower Upper

228 100

226 43.9 21.9 32.9#

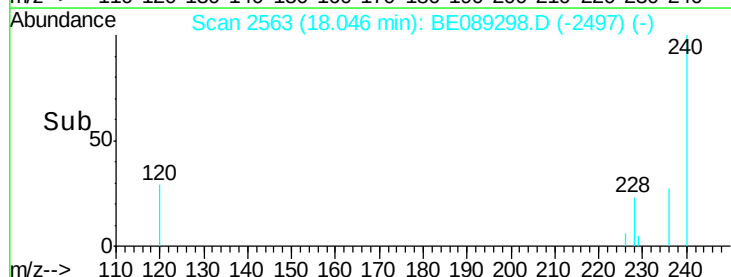
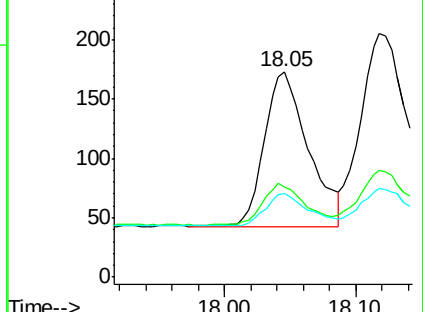
229 40.5 16.9 25.3#

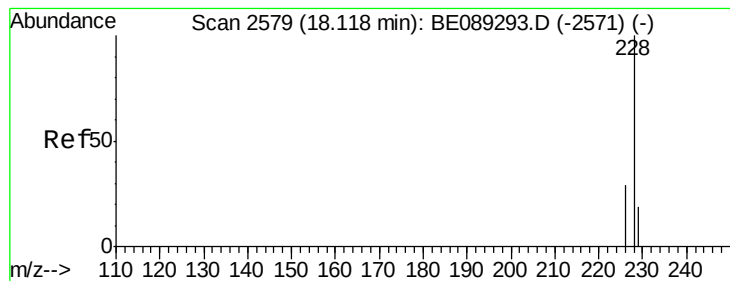


Abundance Ion 228.00 (227.70 to 228.70): E

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: 18.12 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

Instrument :

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ClientSampleId :

Y9RC2RX

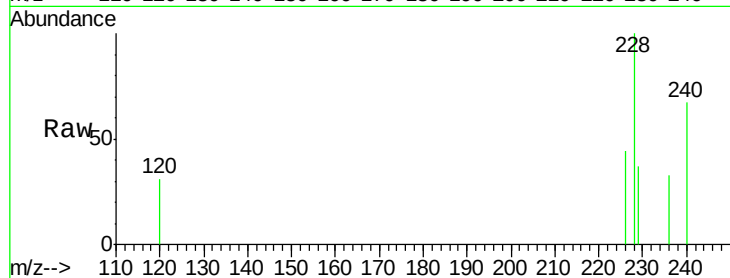
Tgt Ion:228 Resp: 433

Ion Ratio Lower Upper

228 100

226 43.9 23.9 35.9#

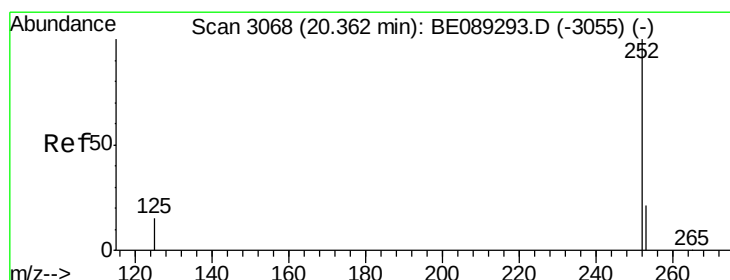
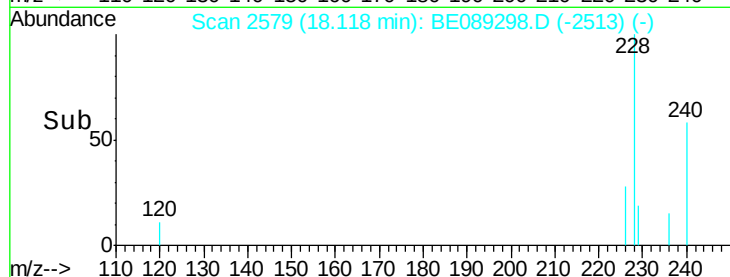
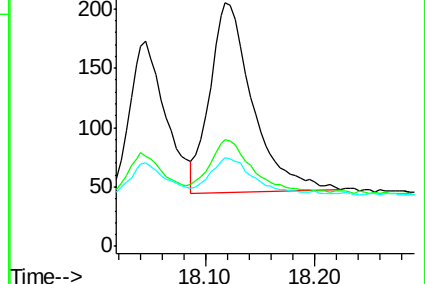
229 36.6 16.8 25.2#



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: 20.37 min Scan# 3070

Delta R.T. 0.01 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

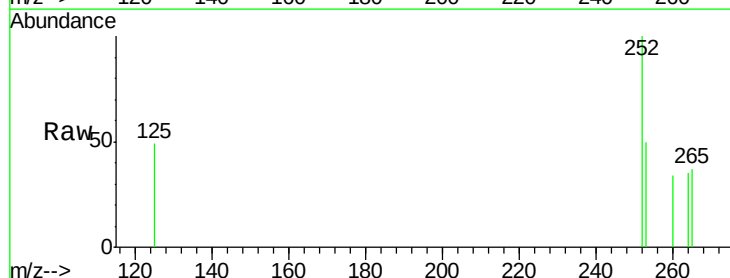
Tgt Ion:252 Resp: 191

Ion Ratio Lower Upper

252 100

253 49.6 0.0 47.8#

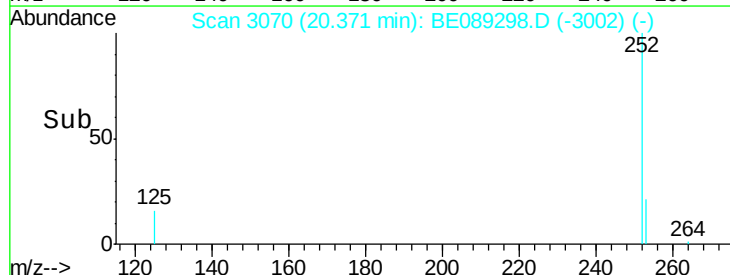
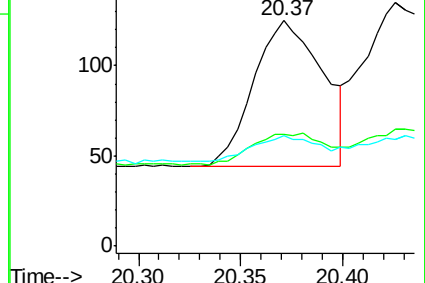
125 48.8 0.0 34.2#

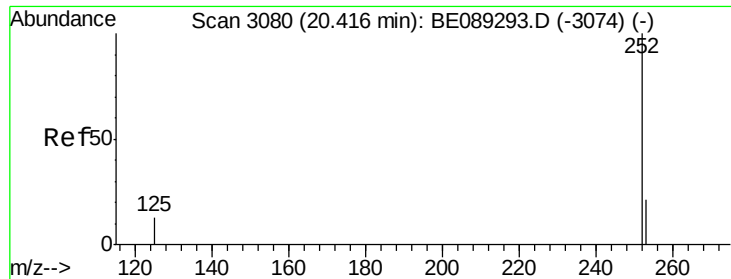


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.04 ng/ul

RT: 20.43 min Scan# 3082

Delta R.T. 0.01 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

Instrument :

BNA_E

ClientSampleId :

Y9RC2RX

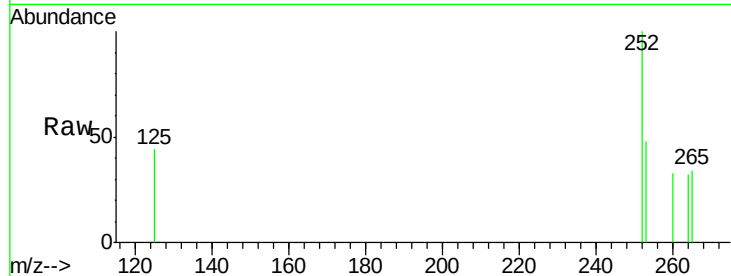
Tgt Ion: 252 Resp: 299

Ion Ratio Lower Upper

252 100

253 48.1 19.0 28.6#

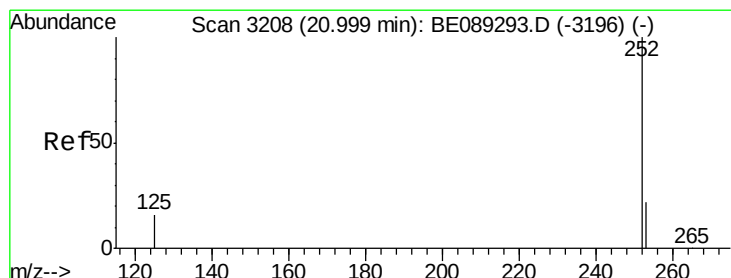
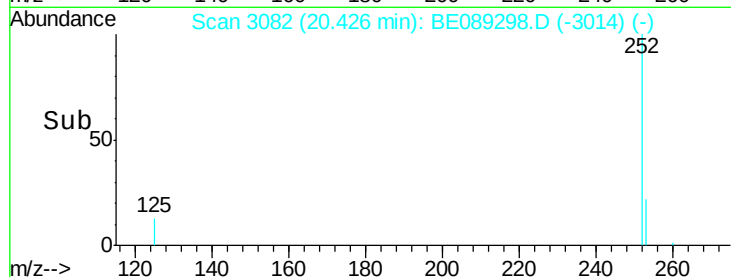
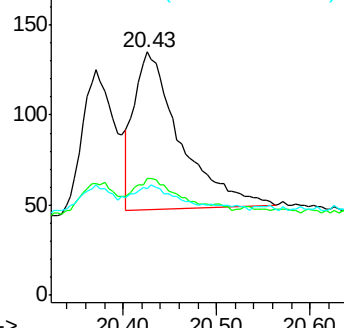
125 43.7 13.5 20.3#



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: 0.02 ng/ul

RT: 21.00 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

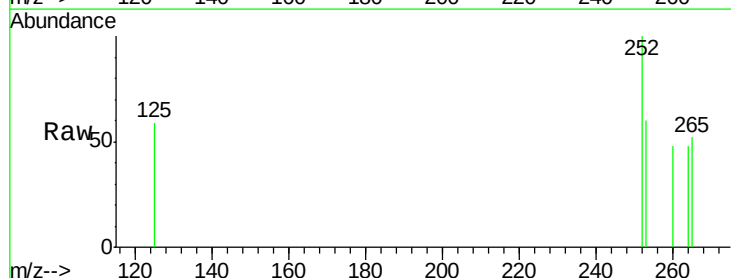
Tgt Ion: 252 Resp: 130

Ion Ratio Lower Upper

252 100

253 60.4 19.7 29.5#

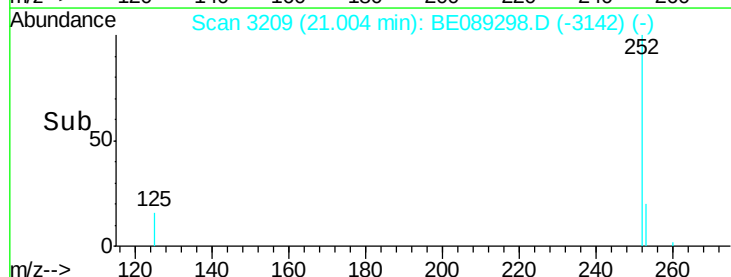
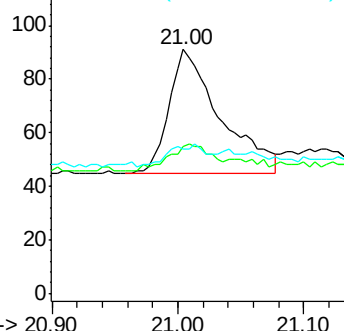
125 59.3 15.0 22.6#

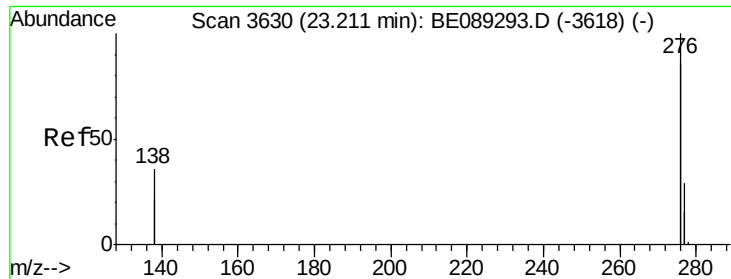


Abundance Ion 252.00 (251.70 to 252.70): E

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. 0.03 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

Instrument :

BNA_E

ClientSampleId :

Y9RC2RX

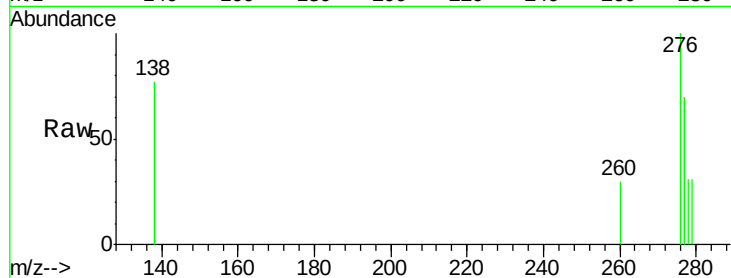
Tgt Ion: 276 Resp: 442

Ion Ratio Lower Upper

276 100

138 30.5 23.8 35.8

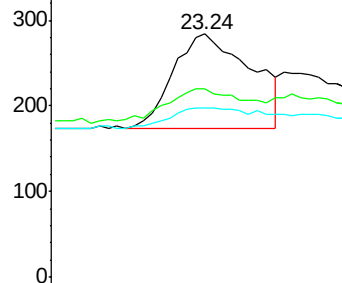
277 26.9 18.9 28.3



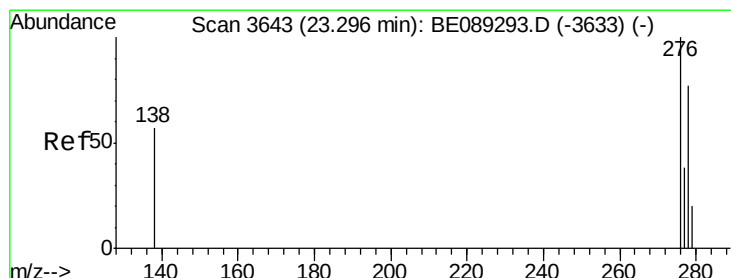
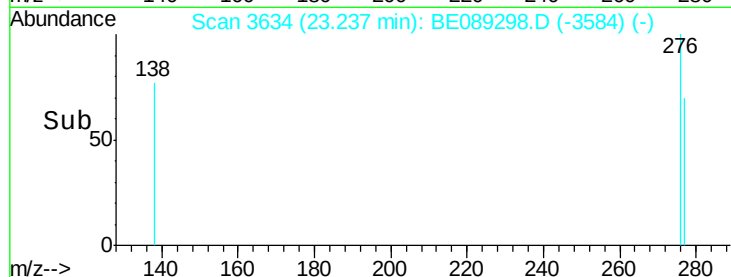
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#27

Dibenzo(a,h)anthracene

Concen: 0.03 ng/ul

RT: 23.31 min Scan# 3645

Delta R.T. 0.01 min

Lab File: BE089298.D

Acq: 31 Dec 2014 18:23

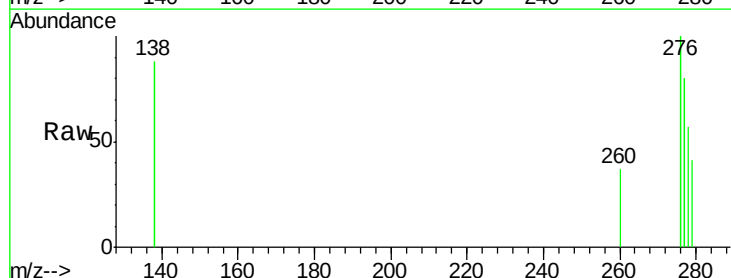
Tgt Ion: 278 Resp: 143

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

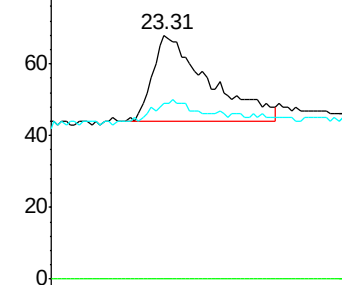
279 72.1 24.0 36.0#



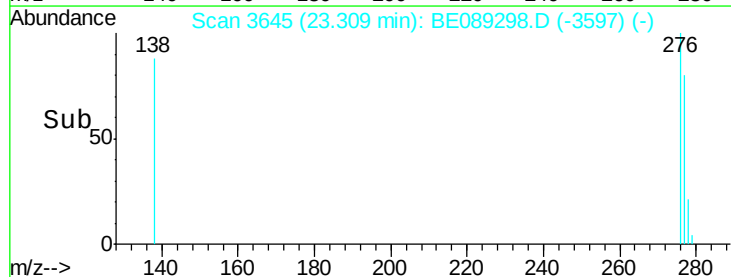
Abundance Ion 278.00 (277.70 to 278.70): E

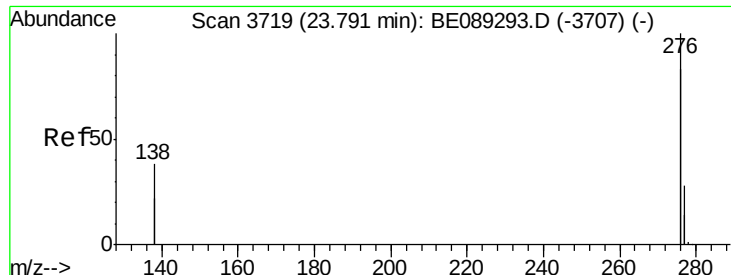
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#28

Benzo(g,h,i)perylene

Concen: 0.04 ng/ul

RT: 23.81 min Scan# 3722

Delta R.T. 0.02 min

Lab File: BE089298.D

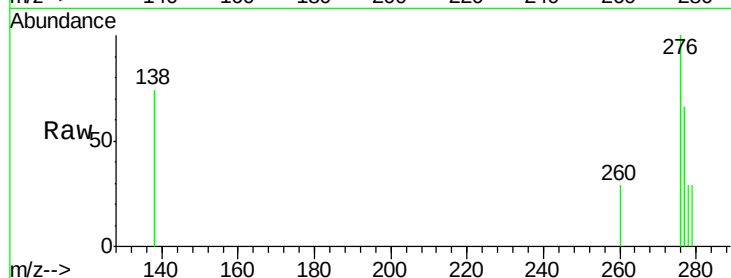
Acq: 31 Dec 2014 18:23

Instrument :

BNA_E

ClientSampleId :

Y9RC2RX



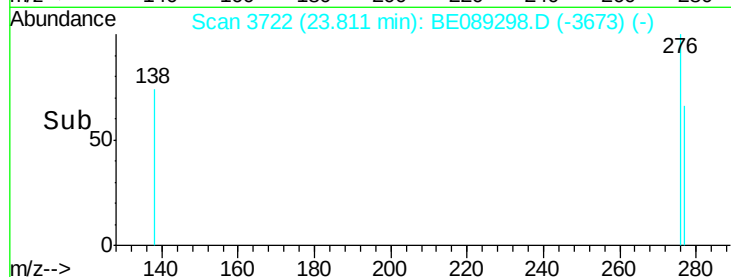
Tgt Ion: 276 Resp: 894

Ion Ratio Lower Upper

276 100

277 66.0 22.3 33.5#

138 73.9 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

