

Data Path : Z:\HPCHEM1\BNA_E\Data\BE123114\
 Data File : BE089299.D
 Acq On : 31 Dec 2014 18:56
 Operator : TP/IZ
 Sample : F5245-07RX
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RC3RX

Quant Time: Jan 01 03:42:43 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	1544	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	6029	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2943	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	4383	0.40	ng/ul	0.00
18) Chrysene-d12	18.06	240	2745	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2144	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.16	96	670	0.29	ng/uL	0.00
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	0.00
16) Fluoranthene-d10	14.93	212	1	0.00	ng/ul	0.02

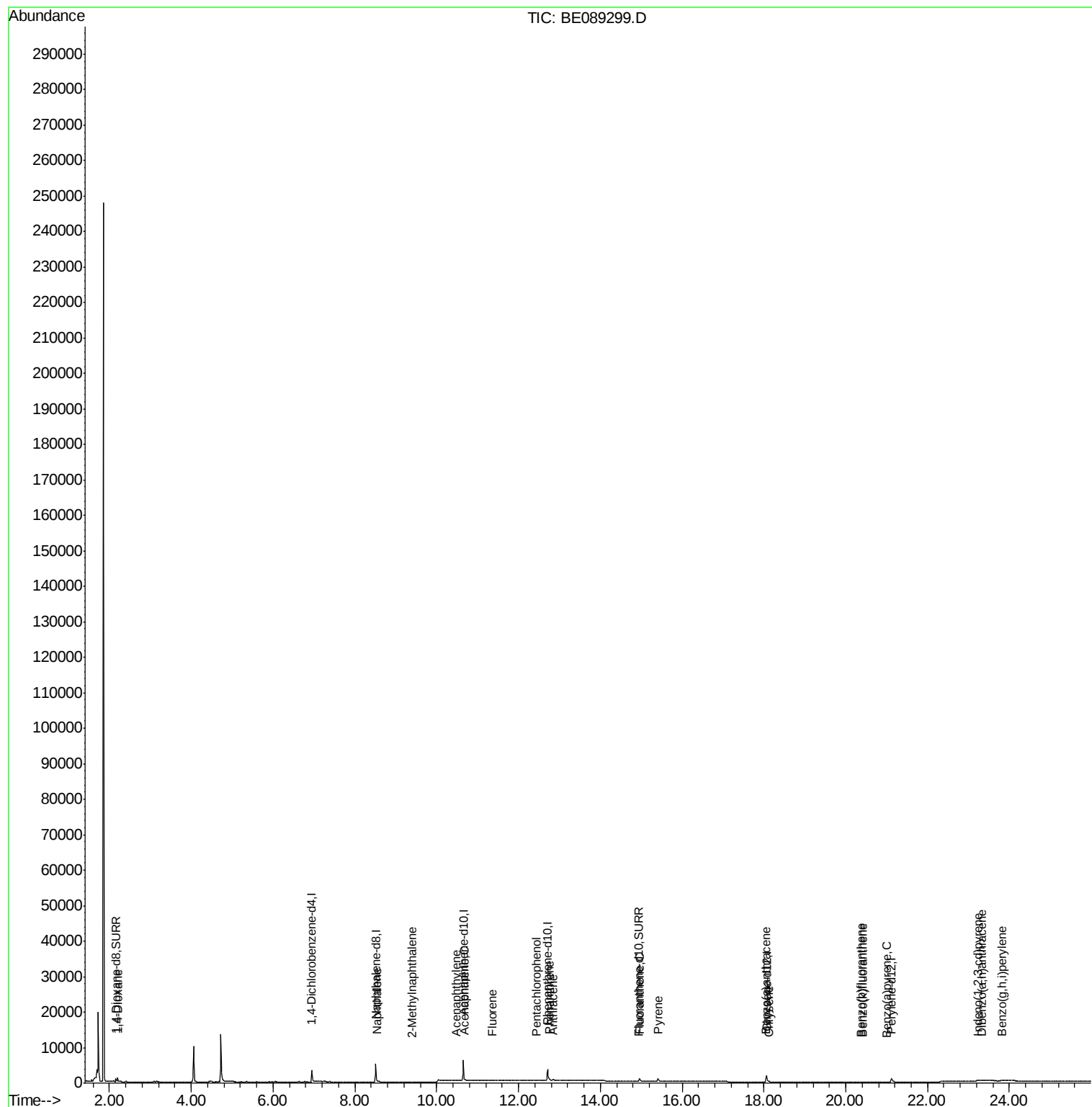
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.20	88	727	0.28	ng/ul#	82
5) Naphthalene	8.54	128	199	0.01	ng/ul#	33
7) 2-Methylnaphthalene	9.40	142	57	0.01	ng/ul	95
9) Acenaphthylene	10.48	152	85	0.00	ng/ul#	1
10) Acenaphthene	10.69	153	107	0.00	ng/ul#	46
11) Fluorene	11.35	166	13	0.00	ng/ul#	60
13) Pentachlorophenol	12.44	266	49	0.11	ng/ul	99
14) Phenanthrene	12.75	178	403	0.01	ng/ul#	11
15) Anthracene	12.85	178	486	0.01	ng/ul#	9
17) Fluoranthene	14.96	202	1170	0.03	ng/ul#	58
19) Pyrene	15.41	202	1200	0.03	ng/ul#	60
20) Benzo(a)anthracene	18.04	228	226	0.04	ng/ul#	54
21) Chrysene	18.12	228	299	0.04	ng/ul#	60
23) Benzo(b)fluoranthene	20.38	252	149	0.03	ng/ul#	26
24) Benzo(k)fluoranthene	20.43	252	194	0.03	ng/ul#	27
25) Benzo(a)pyrene	21.00	252	87	0.02	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.24	276	320	0.02	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.32	278	91	0.02	ng/ul#	8
28) Benzo(g,h,i)perylene	23.83	276	595	0.03	ng/ul#	20

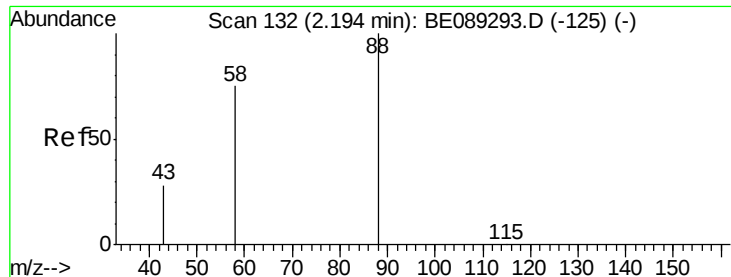
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.28 ng/ul

RT: 2.20 min Scan# 133

Delta R.T. 0.01 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

Instrument :

BNA_E

ClientSampleId :

Y9RC3RX

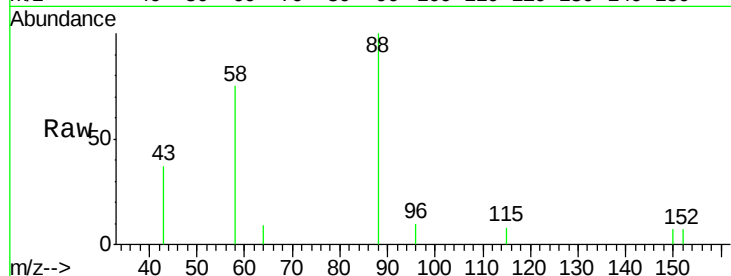
Tgt Ion: 88 Resp: 727

Ion Ratio Lower Upper

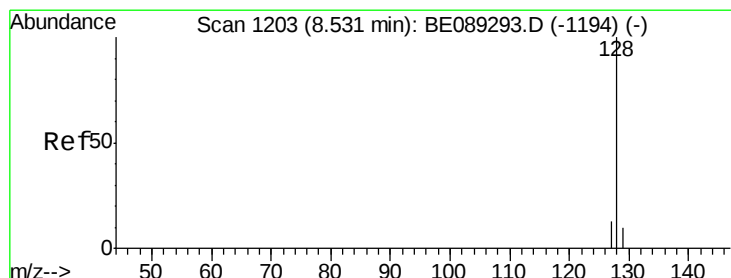
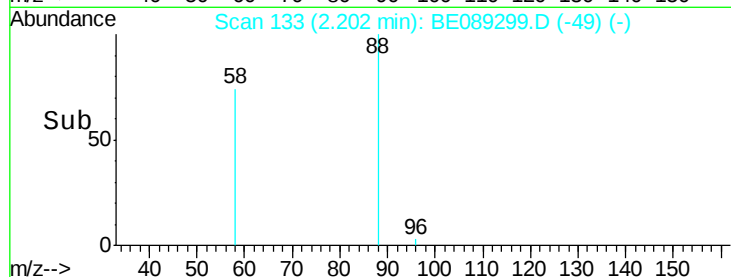
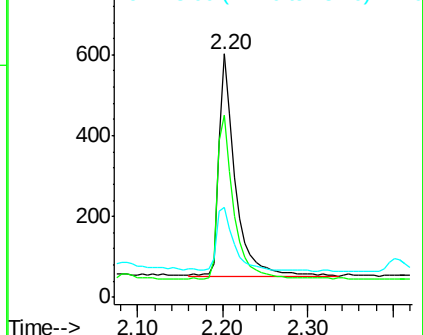
88 100

58 74.1 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: 0.01 ng/ul

RT: 8.54 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

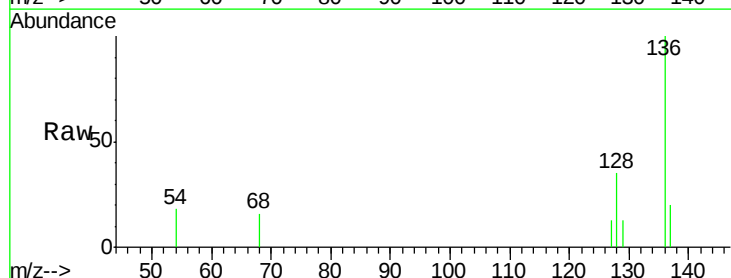
Tgt Ion: 128 Resp: 199

Ion Ratio Lower Upper

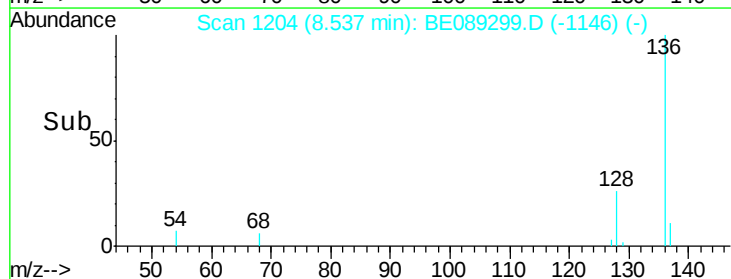
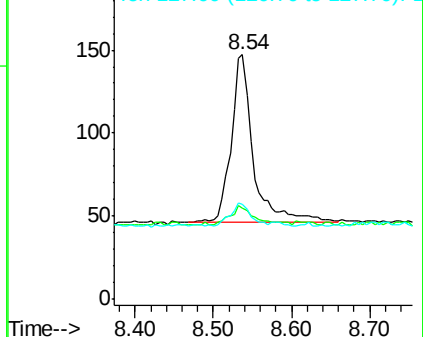
128 100

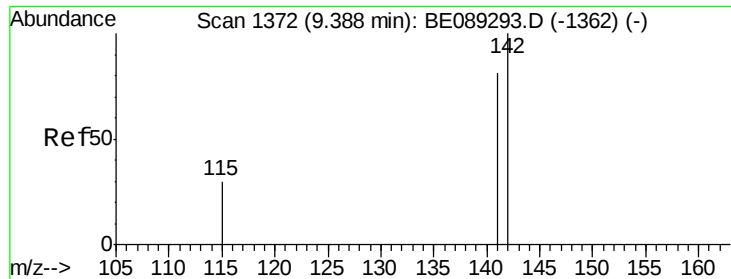
129 37.4 9.1 13.7#

127 38.8 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: BE089299.D

Acq: 31 Dec 2014 18:56

Instrument :

BNA_E

ClientSampleId :

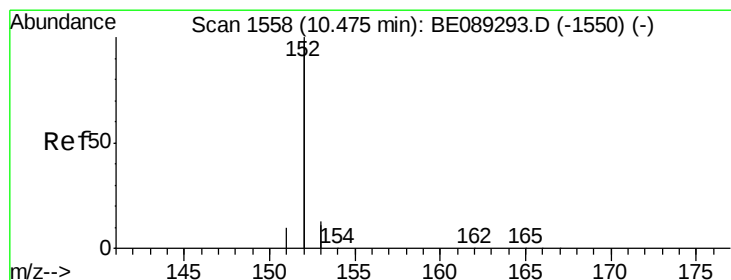
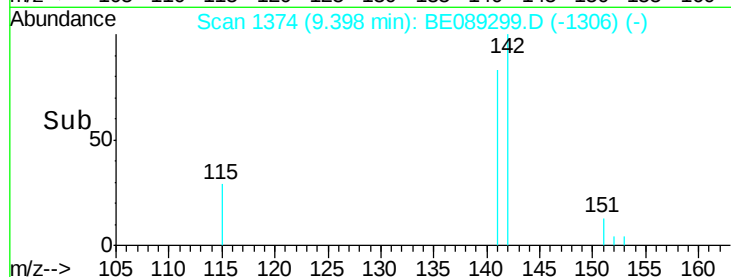
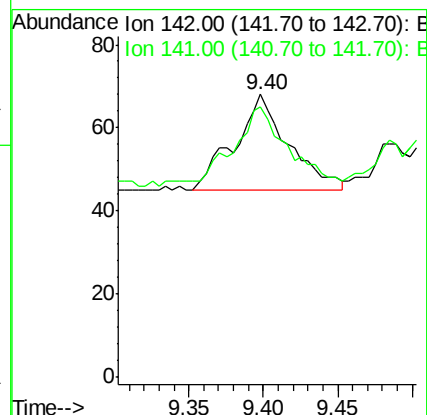
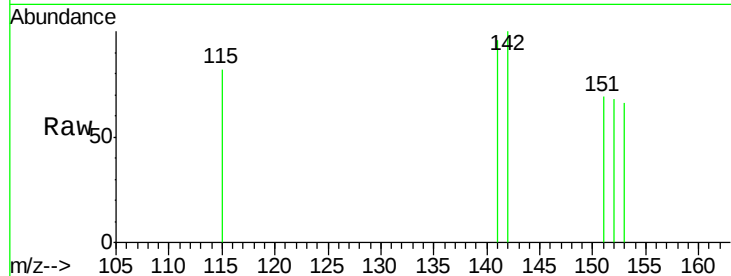
Y9RC3RX

Tgt Ion:142 Resp: 57

Ion Ratio Lower Upper

142 100

141 86.0 65.4 98.0



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.48 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

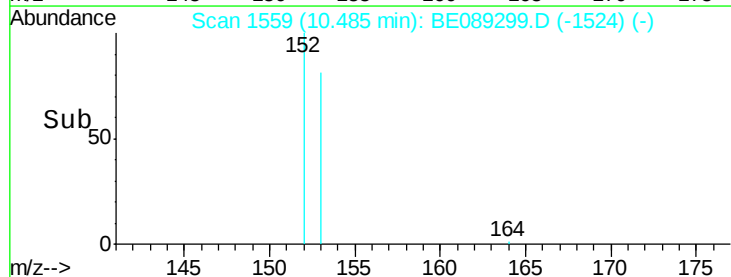
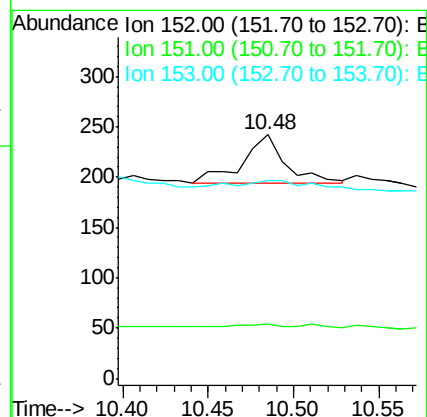
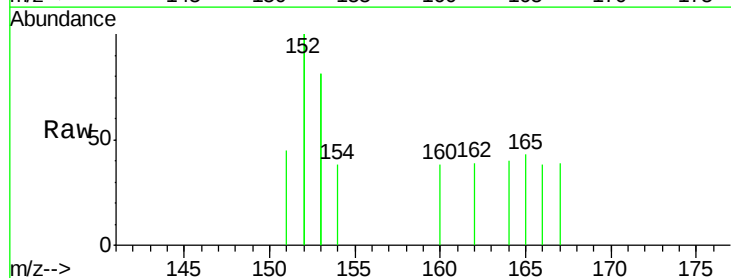
Tgt Ion:152 Resp: 85

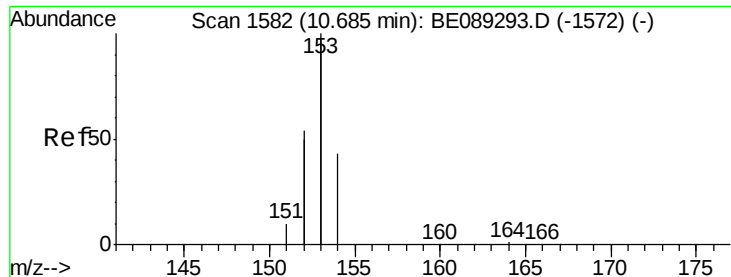
Ion Ratio Lower Upper

152 100

151 22.3 4.0 6.0#

153 81.0 10.1 15.1#





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 10.69 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

Instrument :

BNA_E

ClientSampleId :

Y9RC3RX

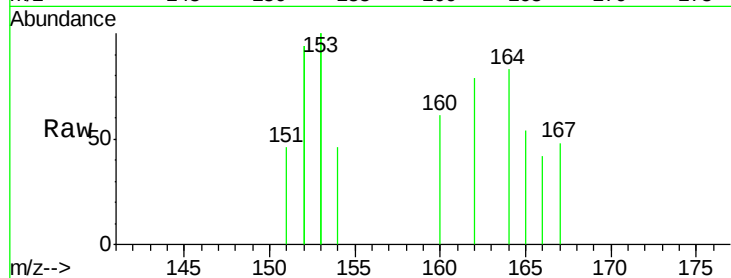
Tgt Ion:153 Resp: 107

Ion Ratio Lower Upper

153 100

152 93.8 32.6 49.0#

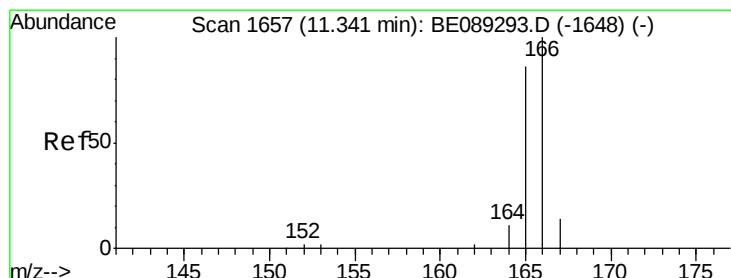
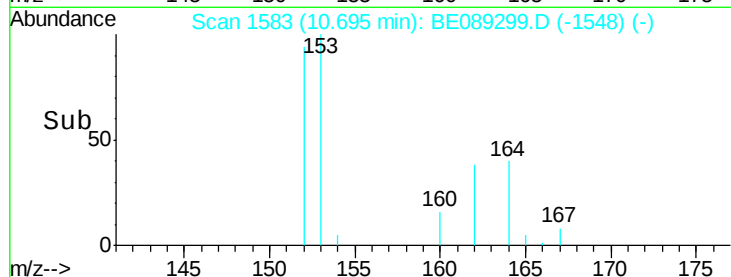
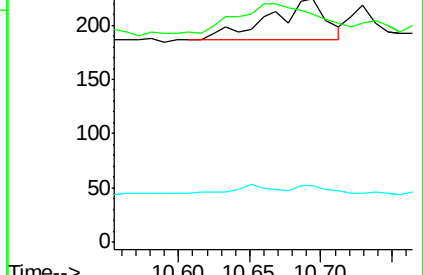
154 23.2 21.8 32.6



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



#11

Fluorene

Concen: 0.00 ng/ul

RT: 11.35 min Scan# 1658

Delta R.T. 0.01 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

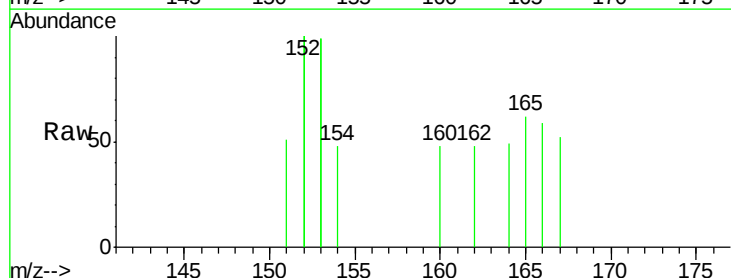
Tgt Ion:166 Resp: 13

Ion Ratio Lower Upper

166 100

165 103.7 70.3 105.5

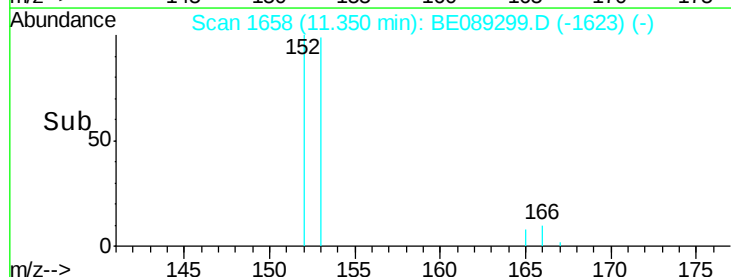
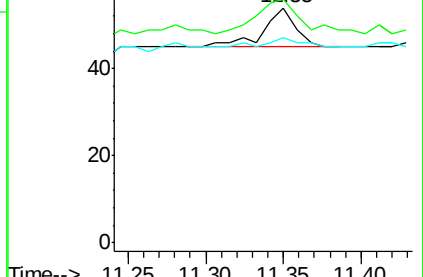
167 87.0 11.5 17.3#

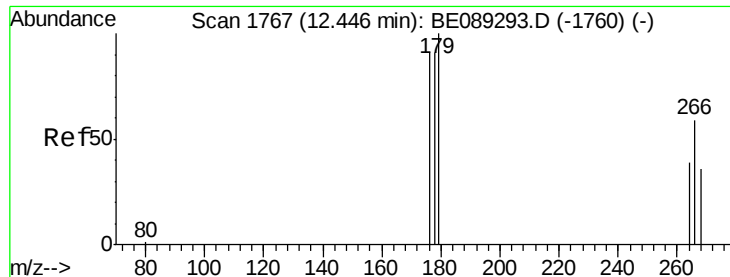


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Pentachlorophenol

Concen: 0.11 ng/ul

RT: 12.44 min Scan# 1767

Delta R.T. -0.00 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

Instrument :

BNA_E

ClientSampleId :

Y9RC3RX

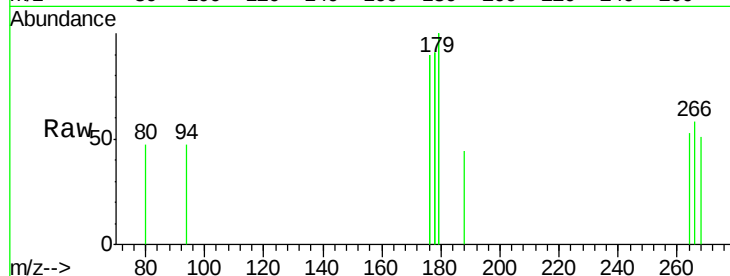
Tgt Ion: 266 Resp: 49

Ion Ratio Lower Upper

266 100

264 61.2 48.7 73.1

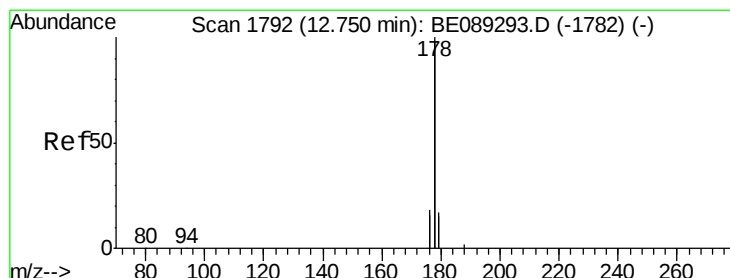
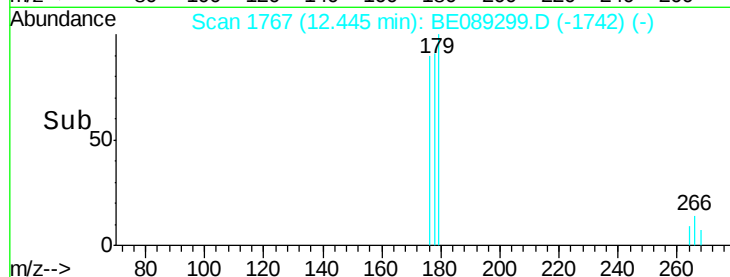
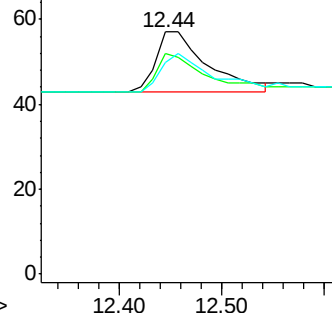
268 67.3 52.9 79.3



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: BE089299.D

Acq: 31 Dec 2014 18:56

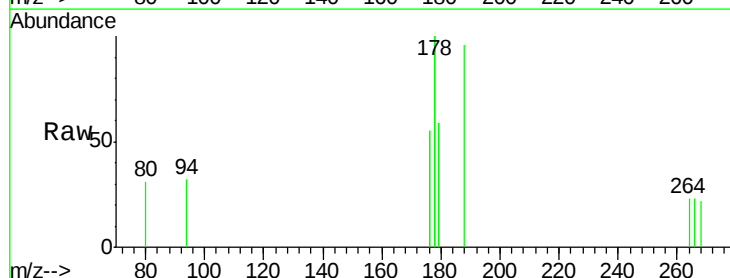
Tgt Ion: 178 Resp: 403

Ion Ratio Lower Upper

178 100

176 54.6 14.3 21.5#

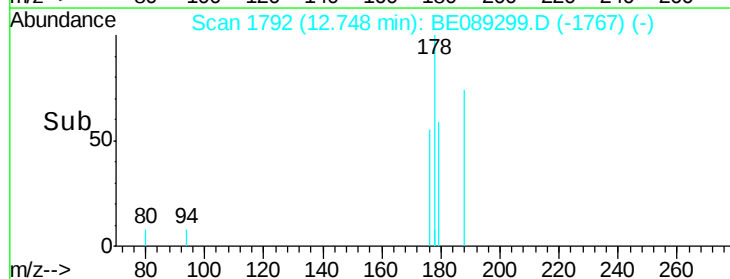
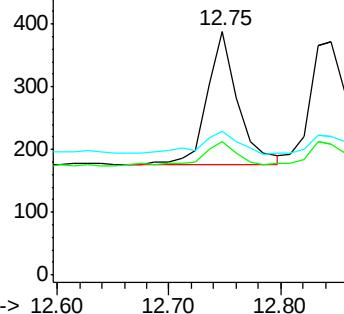
179 58.8 13.8 20.8#

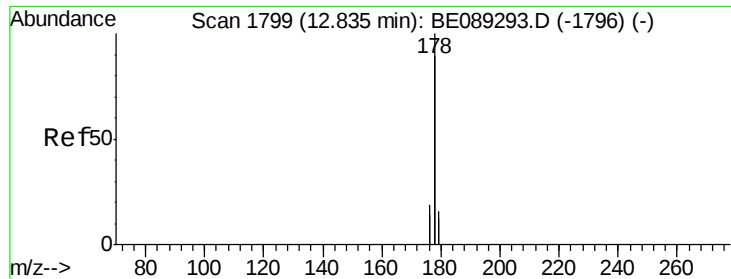


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.01 ng/ul

RT: 12.85 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

Instrument :

BNA_E

ClientSampleId :

Y9RC3RX

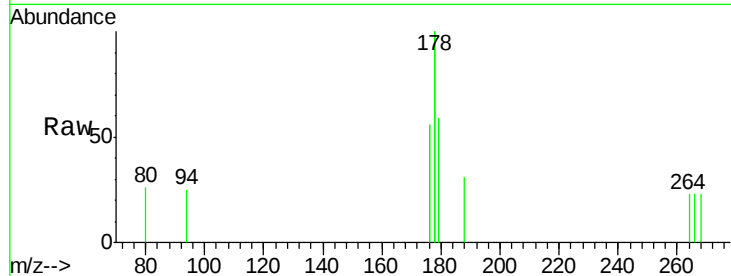
Tgt Ion:178 Resp: 486

Ion Ratio Lower Upper

178 100

176 55.9 14.7 22.1#

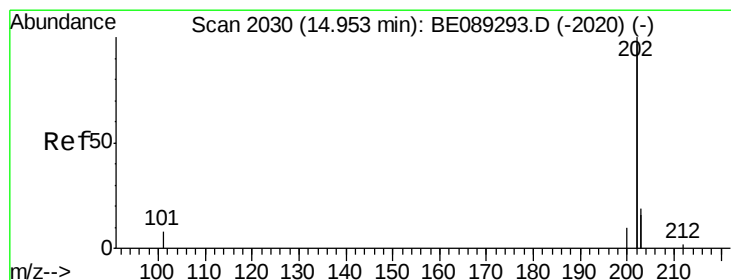
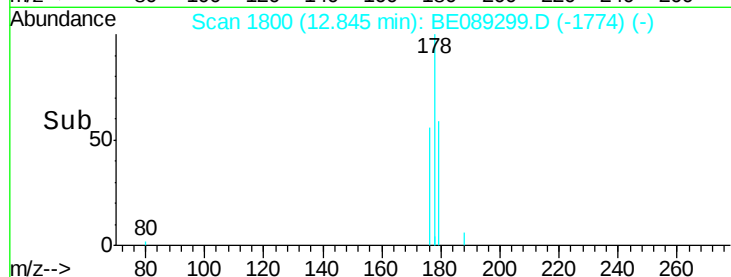
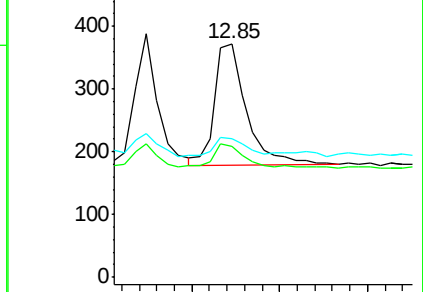
179 59.1 13.4 20.2#



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



#17

Fluoranthene

Concen: 0.03 ng/ul

RT: 14.96 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

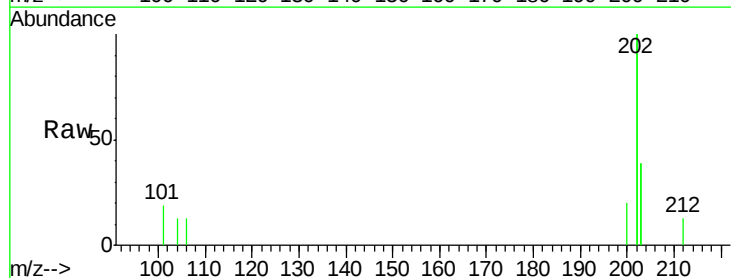
Tgt Ion:202 Resp: 1170

Ion Ratio Lower Upper

202 100

101 9.3 0.0 24.6

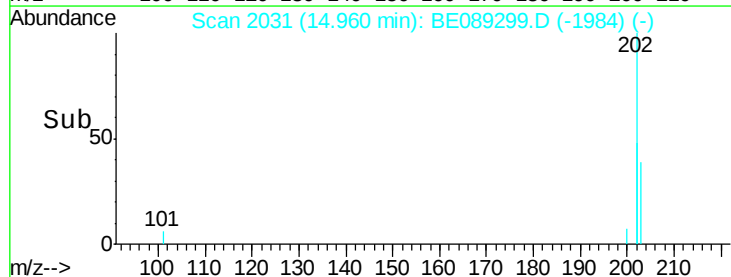
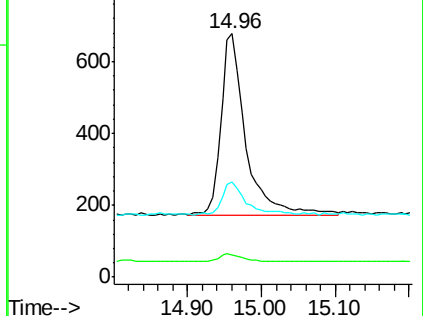
203 39.2 0.0 37.8#

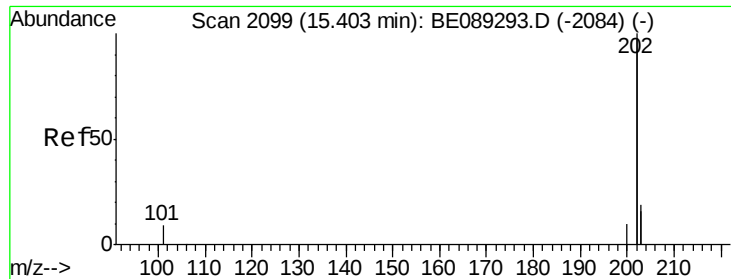


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

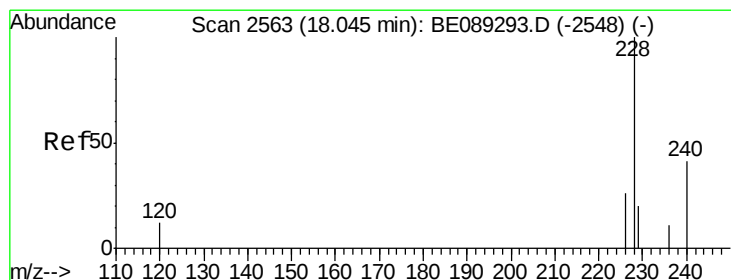
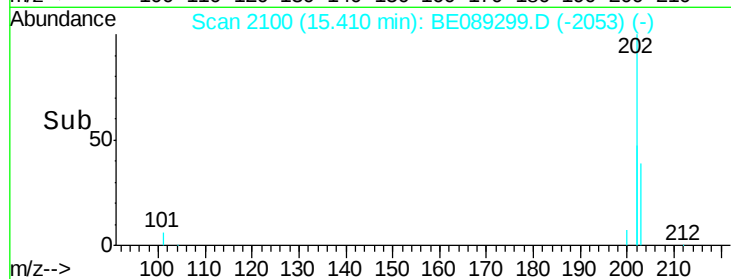
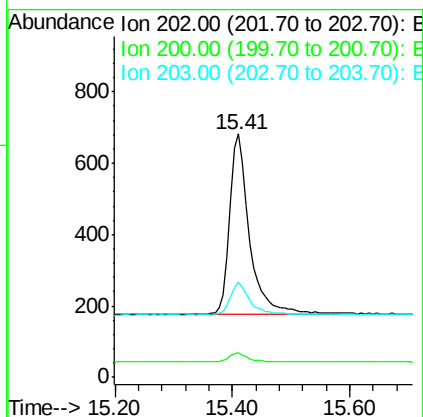
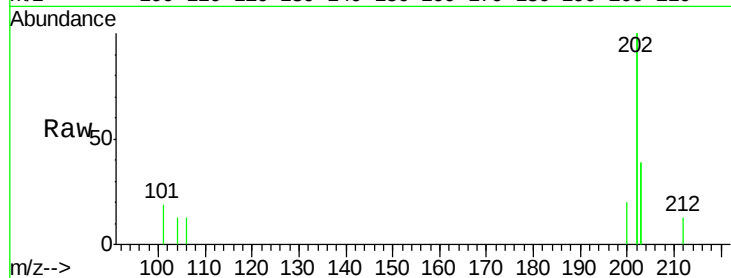




#19
Pyrene
Concen: 0.03 ng/ul
RT: 15.41 min Scan# 2100
Delta R.T. 0.01 min
Lab File: BE089299.D
Acq: 31 Dec 2014 18:56

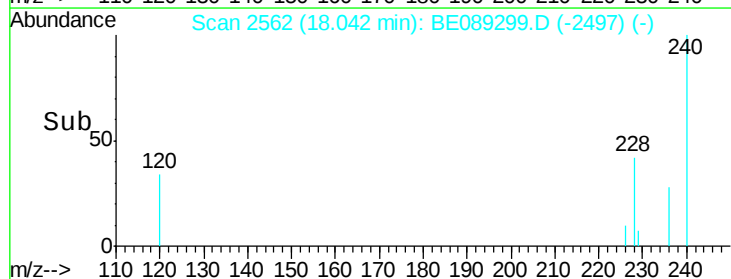
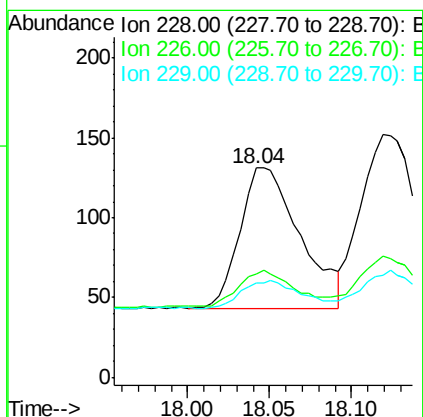
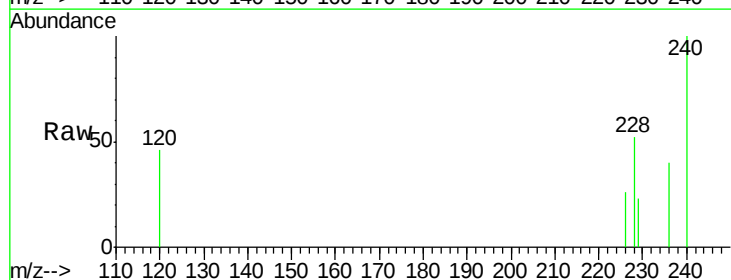
Instrument :
BNA_E
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Y9RC3RX

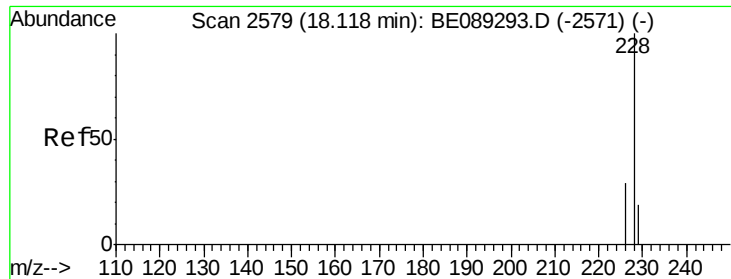
Tgt Ion:202 Resp: 1200
Ion Ratio Lower Upper
202 100
200 10.0 4.2 6.4#
203 39.0 14.4 21.6#



#20
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 18.04 min Scan# 2562
Delta R.T. -0.00 min
Lab File: BE089299.D
Acq: 31 Dec 2014 18:56

Tgt Ion:228 Resp: 226
Ion Ratio Lower Upper
228 100
226 49.6 21.9 32.9#
229 45.0 16.9 25.3#





#21

Chrysene

Concen: 0.04 ng/ul

RT: 18.12 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

Instrument :

BNA_E

ClientSampleId :

Y9RC3RX

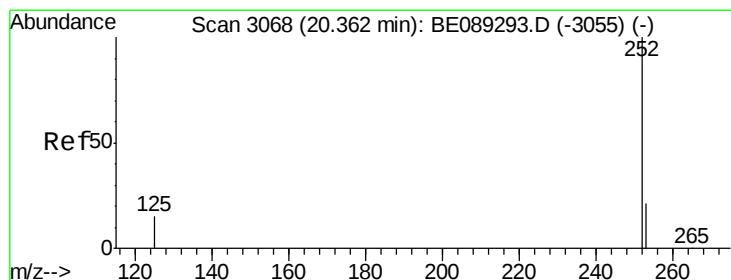
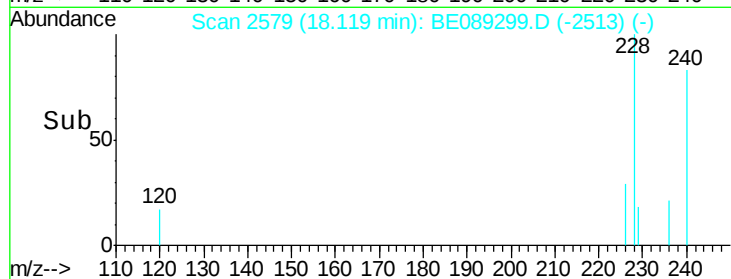
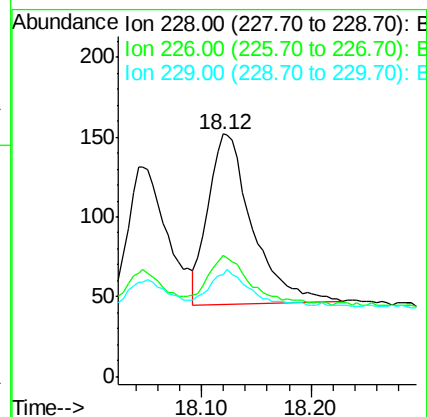
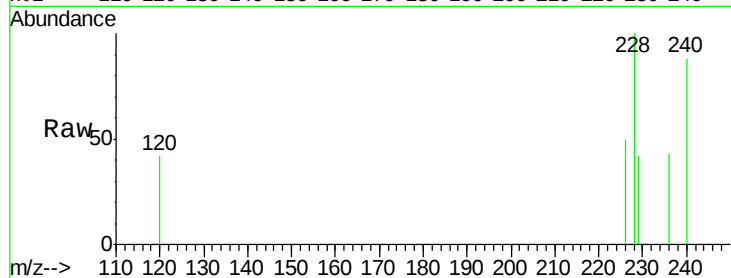
Tgt Ion:228 Resp: 299

Ion Ratio Lower Upper

228 100

226 50.0 23.9 35.9#

229 42.1 16.8 25.2#



#23

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 20.38 min Scan# 3071

Delta R.T. 0.01 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

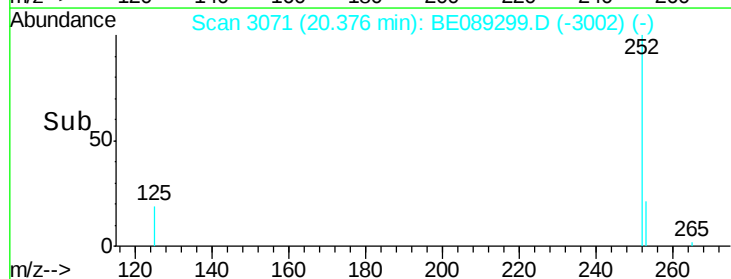
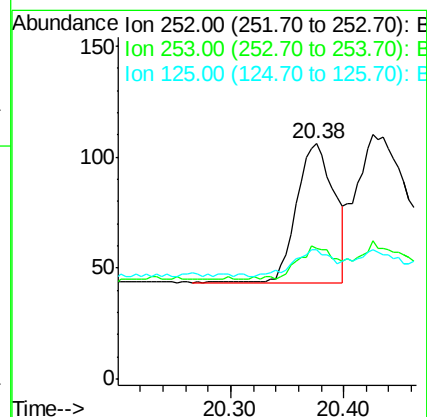
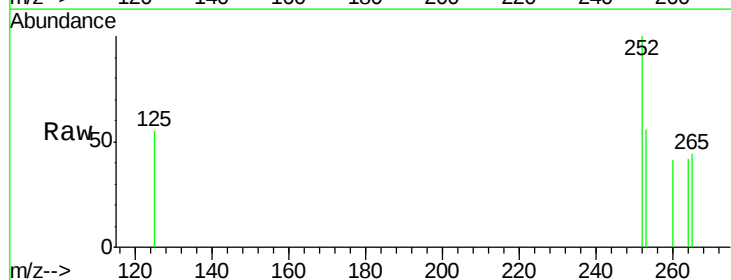
Tgt Ion:252 Resp: 149

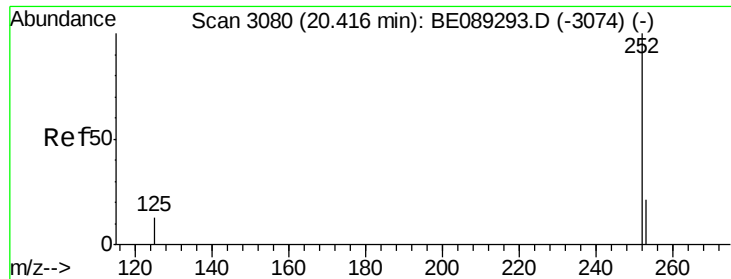
Ion Ratio Lower Upper

252 100

253 55.7 0.0 47.8#

125 54.7 0.0 34.2#





#24

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 20.43 min Scan# 3082

Delta R.T. 0.01 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

Instrument :

BNA_E

ClientSampleId :

Y9RC3RX

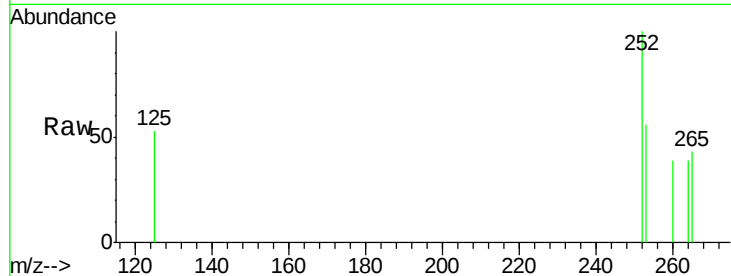
Tgt Ion: 252 Resp: 194

Ion Ratio Lower Upper

252 100

253 56.4 19.0 28.6#

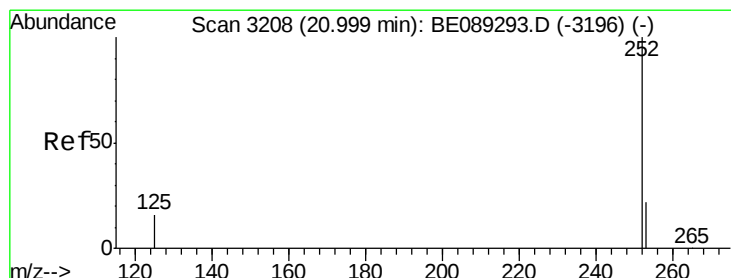
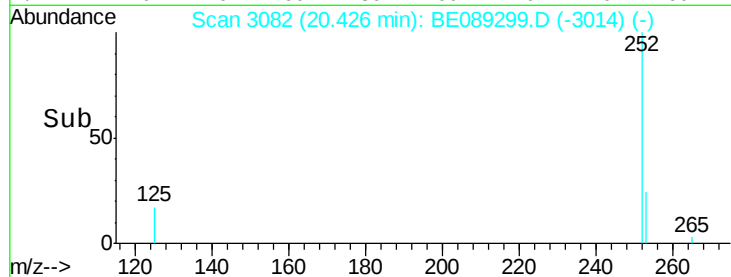
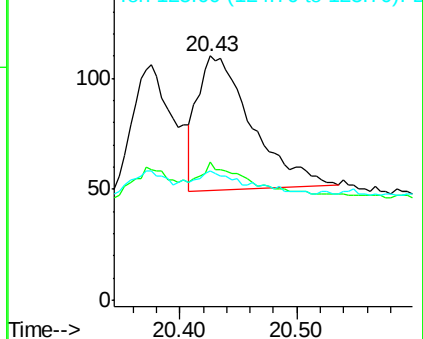
125 52.7 13.5 20.3#



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: BE089299.D

Acq: 31 Dec 2014 18:56

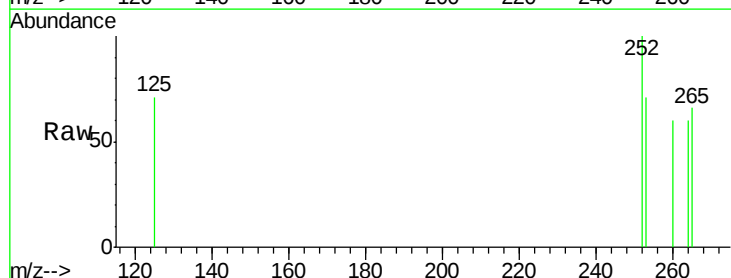
Tgt Ion: 252 Resp: 87

Ion Ratio Lower Upper

252 100

253 71.2 19.7 29.5#

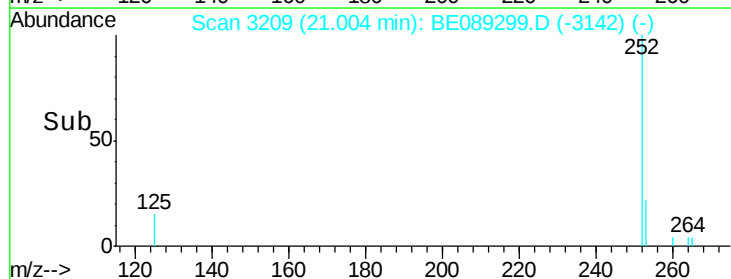
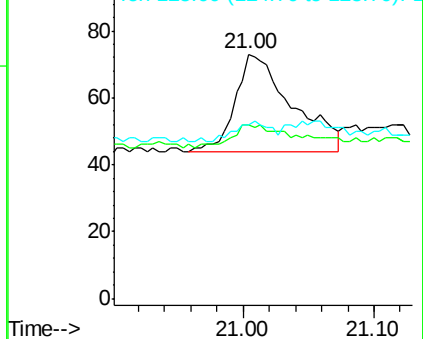
125 71.2 15.0 22.6#

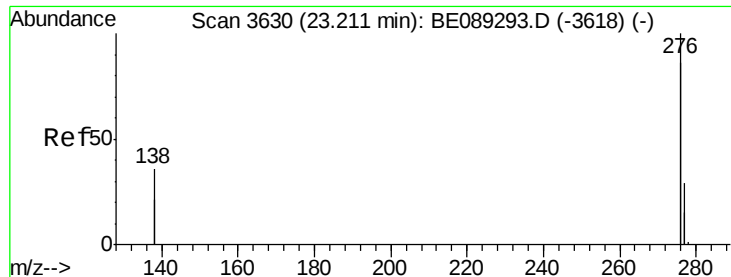


Abundance Ion 252.00 (251.70 to 252.70): E

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# 3634

Delta R.T. 0.03 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

Instrument :

BNA_E

ClientSampleId :

Y9RC3RX

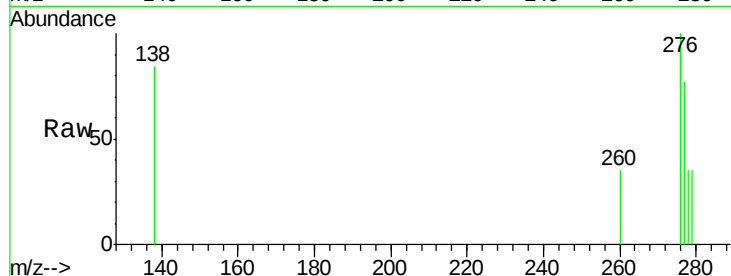
Tgt Ion:276 Resp: 320

Ion Ratio Lower Upper

276 100

138 22.8 23.8 35.8#

277 21.3 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

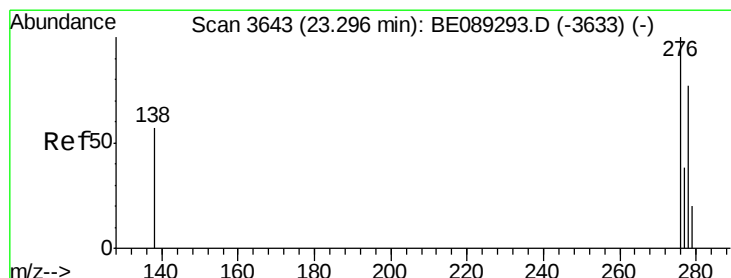
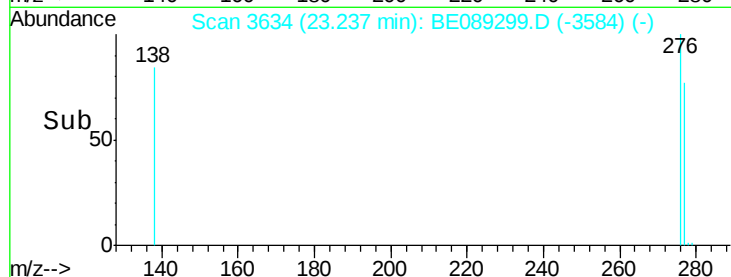
23.24

200

100

0

Time-->



#27

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 23.32 min Scan# 3646

Delta R.T. 0.02 min

Lab File: BE089299.D

Acq: 31 Dec 2014 18:56

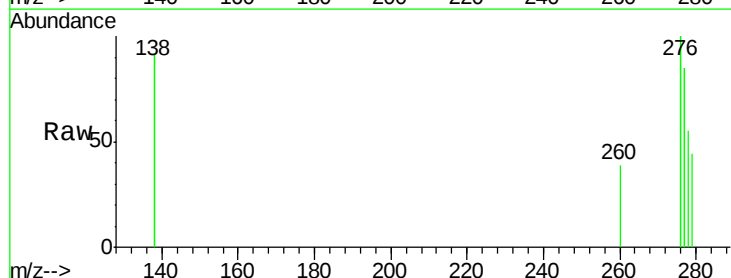
Tgt Ion:278 Resp: 91

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

279 80.0 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

23.32

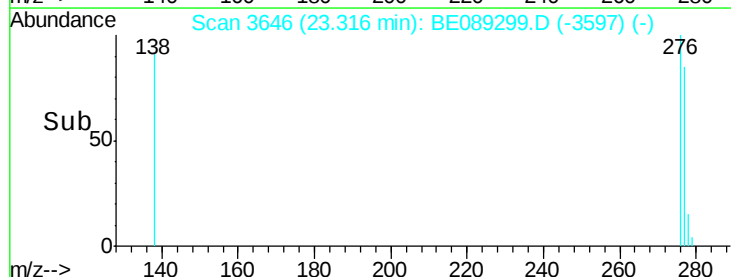
60

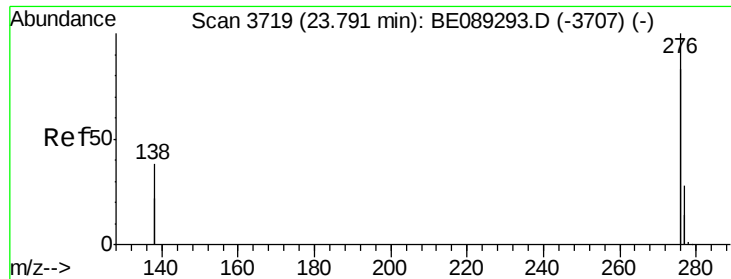
40

20

0

Time-->





#28

Benzo(g,h,i)perylene

Concen: 0.03 ng/ul

RT: 23.83 min Scan# 3725

Delta R.T. 0.04 min

Lab File: BE089299.D

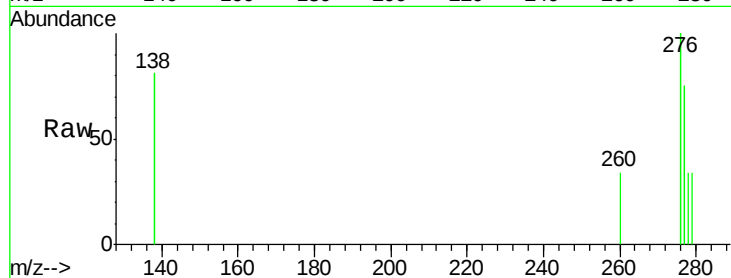
Acq: 31 Dec 2014 18:56

Instrument :

BNA_E

ClientSampleId :

Y9RC3RX



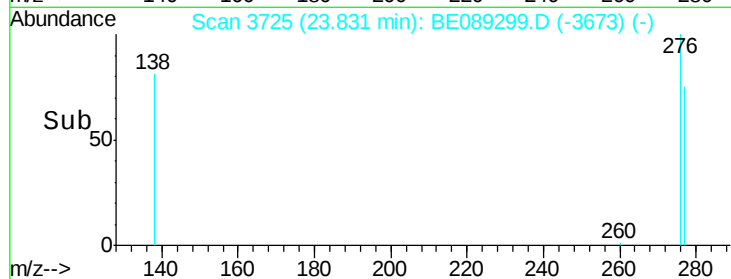
Tgt Ion: 276 Resp: 595

Ion Ratio Lower Upper

276 100

277 75.2 22.3 33.5#

138 80.6 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

