

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010815\
 Data File : Be089367.d
 Acq On : 8 Jan 2015 15:44
 Operator : TP/IZ
 Sample : G1029-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RA6

Quant Time: Jan 09 02:40:40 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 01:27:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1211	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4893	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2423	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3721	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2698	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2271	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.12	96	497	0.27	ng/uL	0.02
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.90	212	1	0.00	ng/ul	-0.01

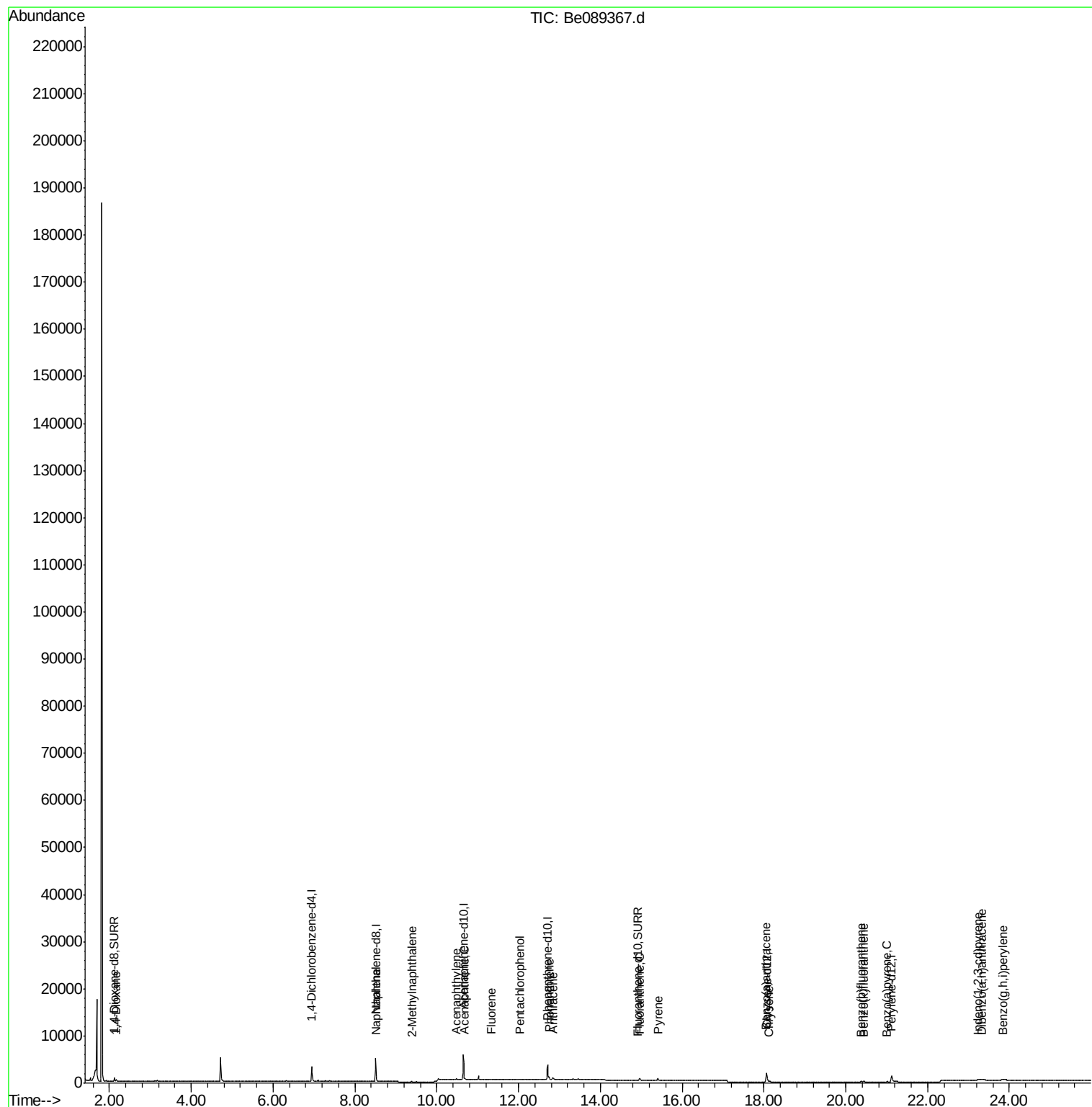
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.16	88	213	0.11	ng/ul#	84
5) Naphthalene	8.53	128	125	0.01	ng/ul#	25
7) 2-Methylnaphthalene	9.39	142	49	0.01	ng/ul	93
9) Acenaphthylene	10.48	152	180	0.00	ng/ul#	1
10) Acenaphthene	10.69	153	152	0.01	ng/ul#	53
11) Fluorene	11.34	166	46	0.01	ng/ul#	70
13) Pentachlorophenol	12.03	266	657	1.70	ng/ul#	59
14) Phenanthrene	12.75	178	533	0.01	ng/ul#	34
15) Anthracene	12.83	178	402	0.01	ng/ul#	18
17) Fluoranthene	14.96	202	553	0.02	ng/ul#	38
19) Pyrene	15.40	202	615	0.02	ng/ul#	42
20) Benzo(a)anthracene	18.05	228	116	0.02	ng/ul#	31
21) Chrysene	18.12	228	114	0.02	ng/ul#	33
23) Benzo(b)fluoranthene	20.38	252	80	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	20.43	252	110	0.01	ng/ul#	1
25) Benzo(a)pyrene	21.01	252	72	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.24	276	204	0.01	ng/ul#	87
27) Dibenzo(a,h)anthracene	23.33	278	39	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	23.84	276	320	0.01	ng/ul#	6

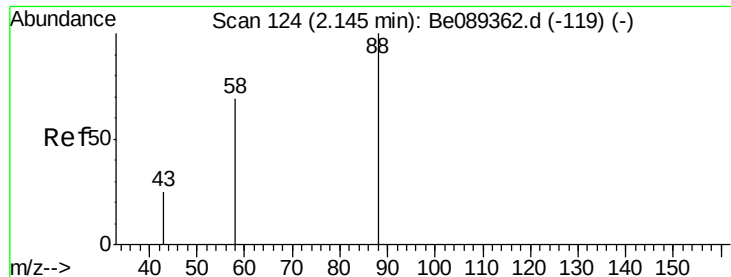
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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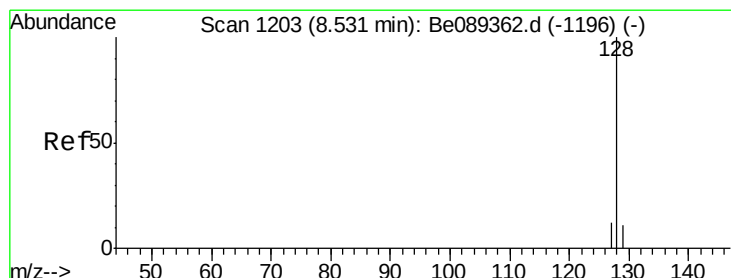
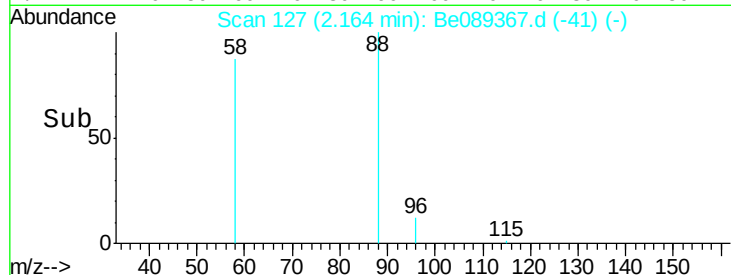
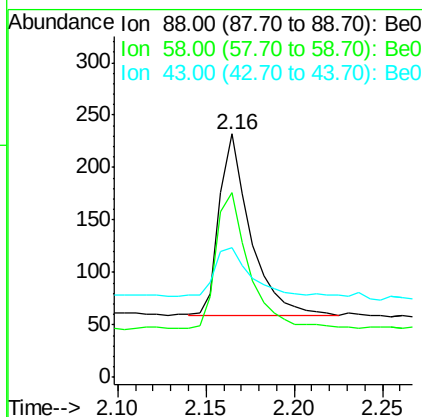
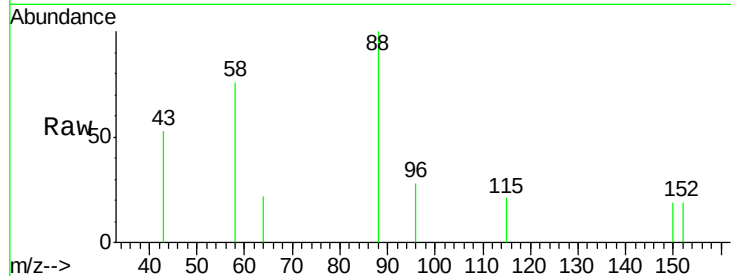




#3
1,4-Dioxane
Concen: 0.11 ng/ul
RT: 2.16 min Scan# 127
Delta R.T. 0.02 min
Lab File: Be089367.d
Acq: 8 Jan 2015 15:44

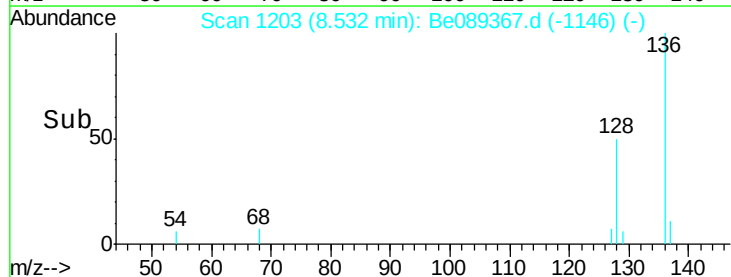
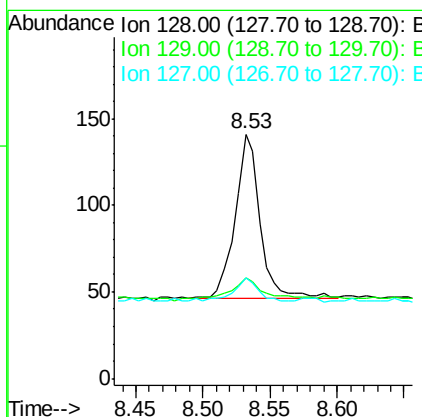
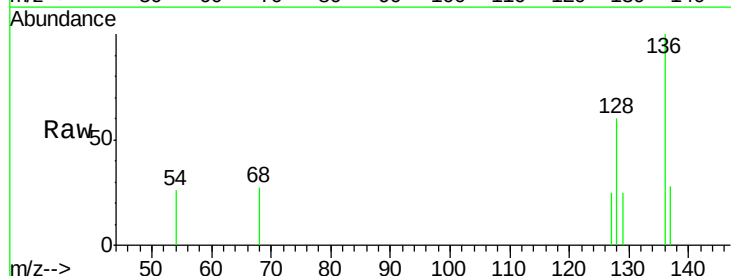
Instrument :
BNA_E
ClientSampleId :
Y9RA6

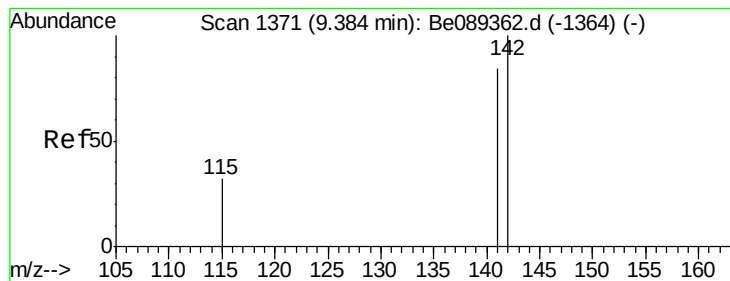
Tgt Ion: 88 Resp: 213
Ion Ratio Lower Upper
88 100
58 77.9 61.5 92.3
43 0.0 23.9 35.9#



#5
Naphthalene
Concen: 0.01 ng/ul
RT: 8.53 min Scan# 1203
Delta R.T. 0.00 min
Lab File: Be089367.d
Acq: 8 Jan 2015 15:44

Tgt Ion: 128 Resp: 125
Ion Ratio Lower Upper
128 100
129 41.1 9.1 13.7#
127 41.1 10.0 15.0#





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.39 min Scan# 1372

Delta R.T. 0.00 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

Instrument :

BNA_E

ClientSampleId :

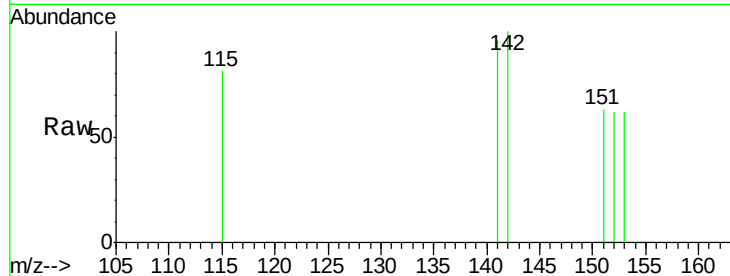
Y9RA6

Tgt Ion:142 Resp: 49

Ion Ratio Lower Upper

142 100

141 75.5 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

80

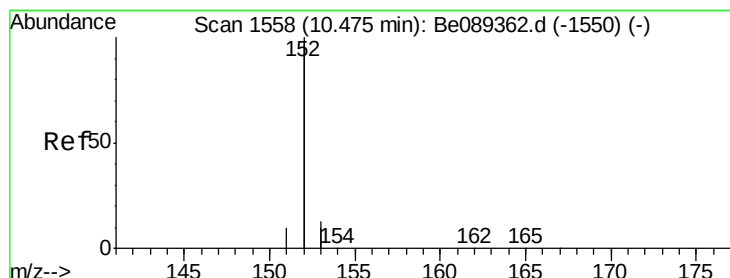
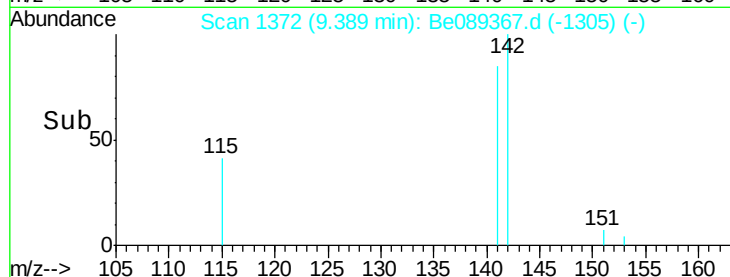
60

40

20

0

Time--> 9.35 9.40 9.45



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. 0.00 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

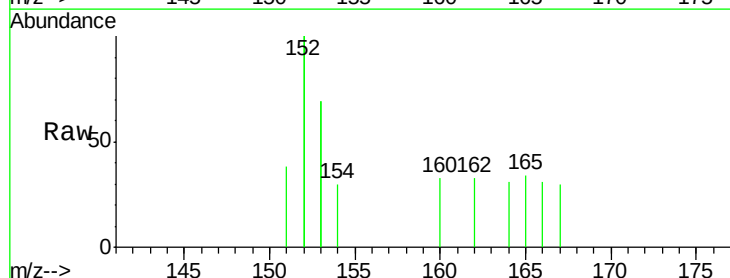
Tgt Ion:152 Resp: 180

Ion Ratio Lower Upper

152 100

151 19.1 4.0 6.0#

153 69.1 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

10.48

400

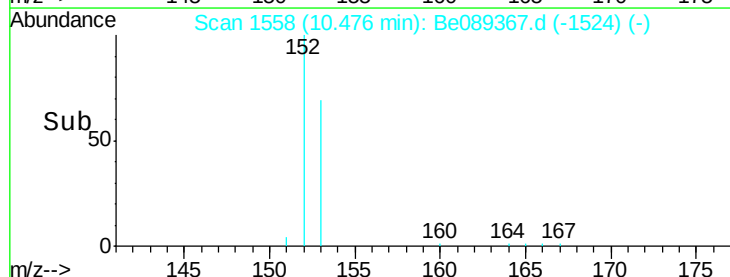
300

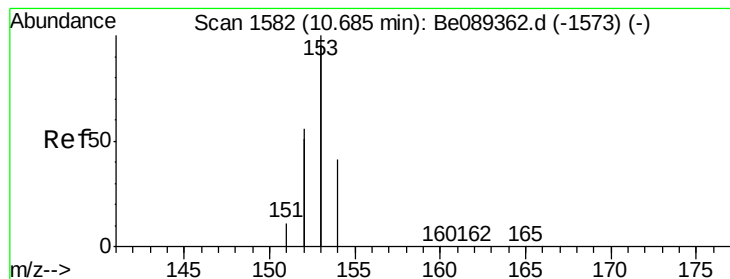
200

100

0

Time--> 10.40 10.50 10.60





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 10.69 min Scan# 1582

Delta R.T. 0.00 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

Instrument :

BNA_E

ClientSampleId :

Y9RA6

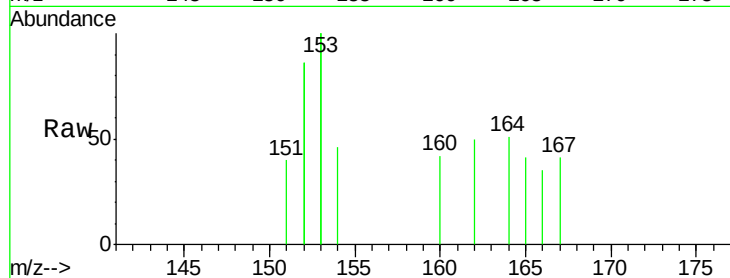
Tgt Ion:153 Resp: 152

Ion Ratio Lower Upper

153 100

152 86.2 32.6 49.0#

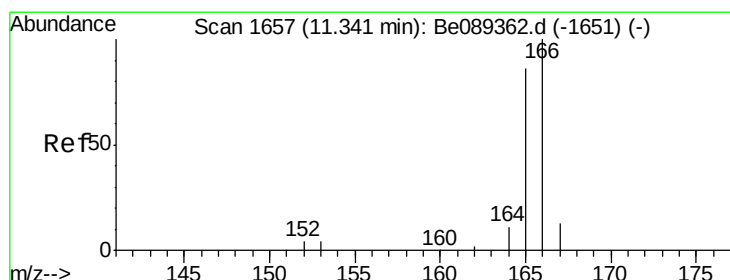
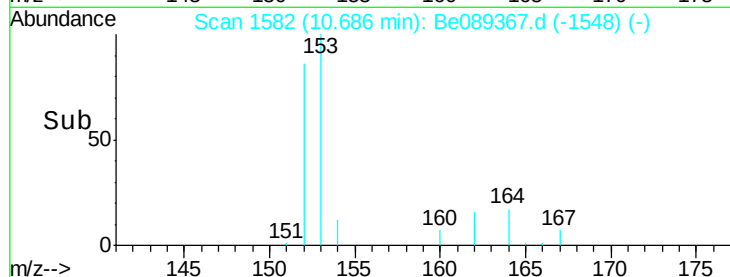
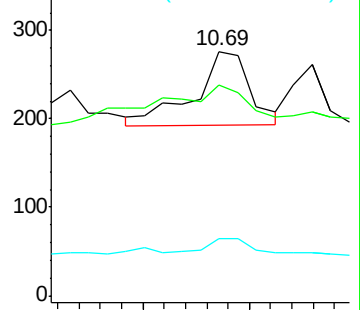
154 23.2 21.8 32.6



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: 0.01 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. 0.00 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

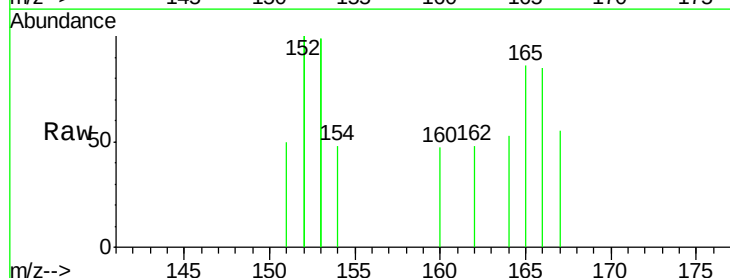
Tgt Ion:166 Resp: 46

Ion Ratio Lower Upper

166 100

165 101.2 70.3 105.5

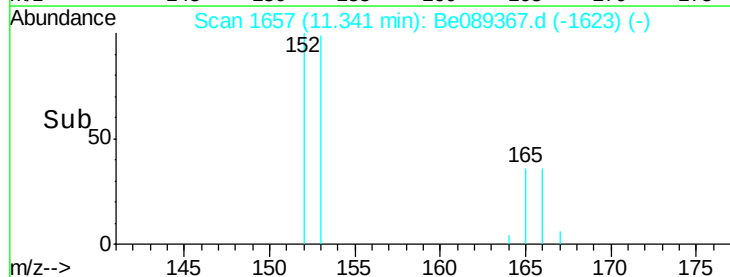
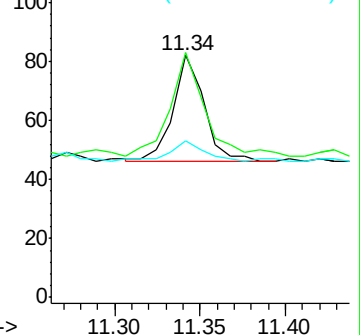
167 64.6 11.5 17.3#

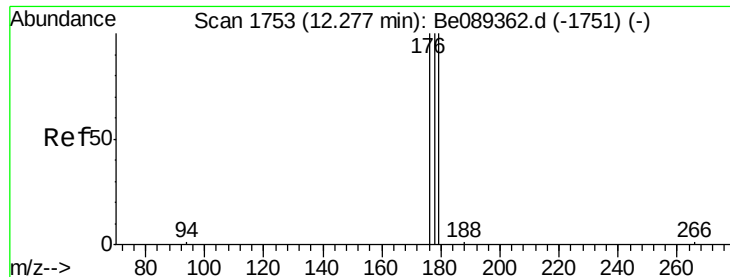


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Pentachlorophenol

Concen: 1.70 ng/ul

RT: 12.03 min Scan# 1733

Delta R.T. -0.24 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

Instrument :

BNA_E

ClientSampleId :

Y9RA6

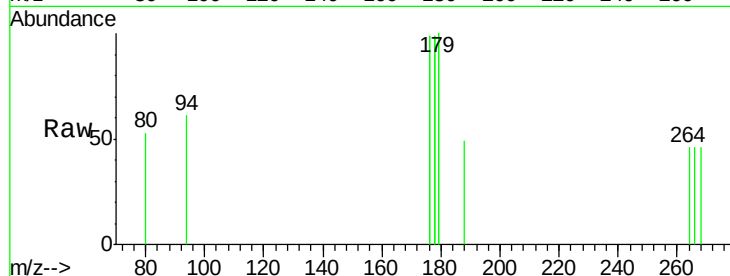
Tgt Ion: 266 Resp: 657

Ion Ratio Lower Upper

266 100

264 102.4 48.7 73.1#

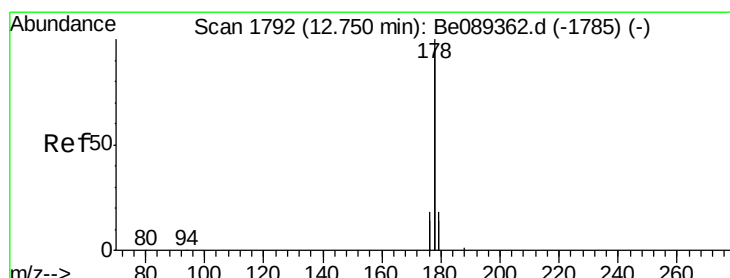
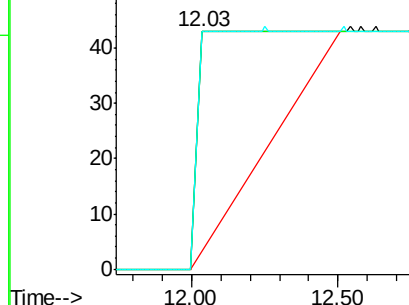
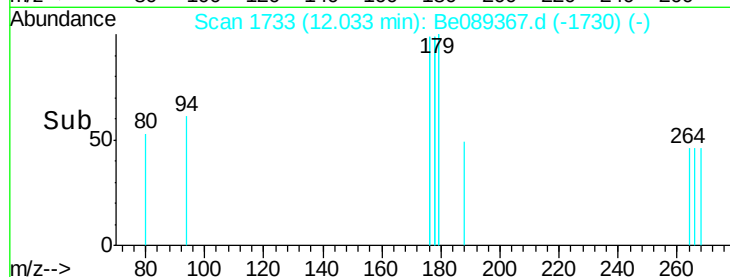
268 42.8 52.9 79.3#



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: 0.01 ng/ul

RT: 12.75 min Scan# 1792

Delta R.T. -0.00 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

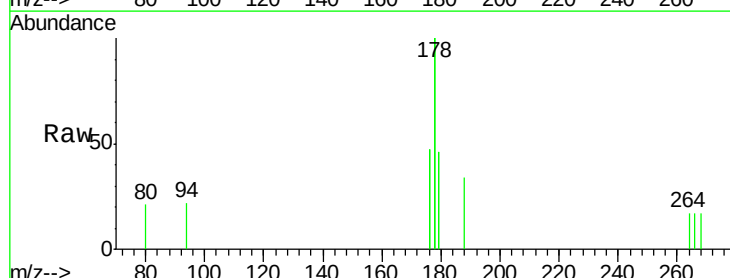
Tgt Ion: 178 Resp: 533

Ion Ratio Lower Upper

178 100

176 46.9 14.3 21.5#

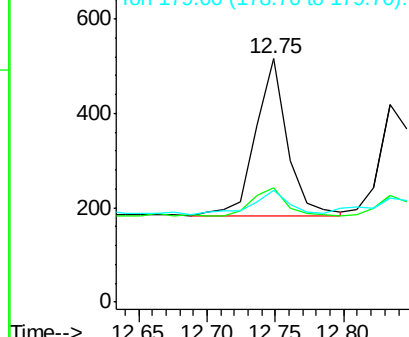
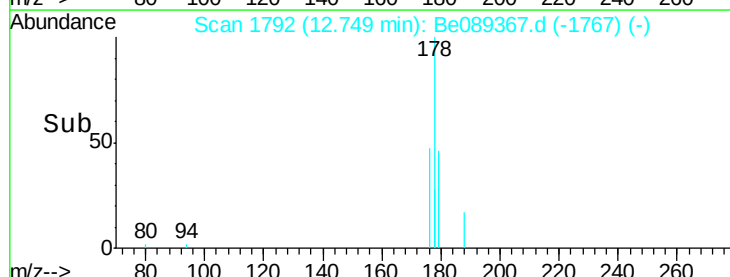
179 46.1 13.8 20.8#

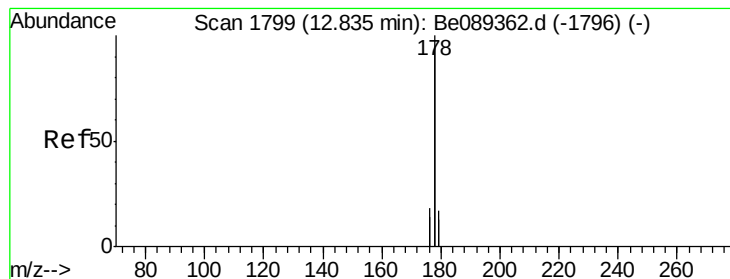


Abundance Ion 178.00 (177.70 to 178.70): E

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: Be089367.d

Acq: 8 Jan 2015 15:44

Instrument :

BNA_E

ClientSampleId :

Y9RA6

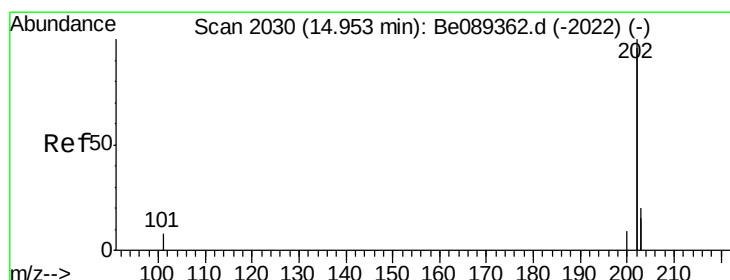
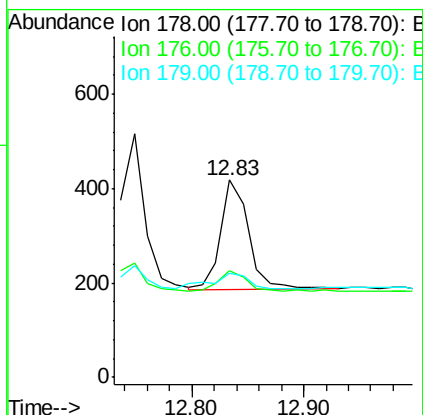
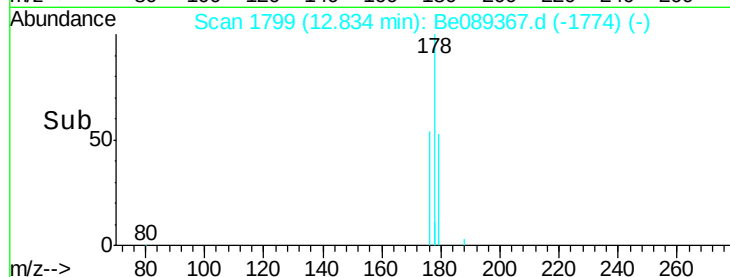
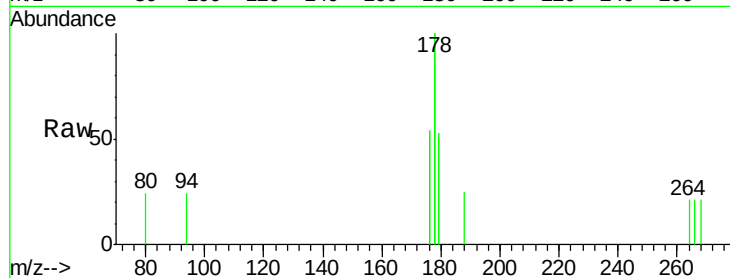
Tgt Ion:178 Resp: 402

Ion Ratio Lower Upper

178 100

176 54.1 14.7 22.1#

179 53.1 13.4 20.2#



#17

Fluoranthene

Concen: 0.02 ng/ul

RT: 14.96 min Scan# 2031

Delta R.T. 0.01 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

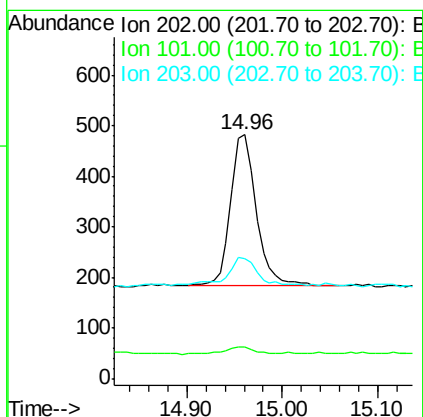
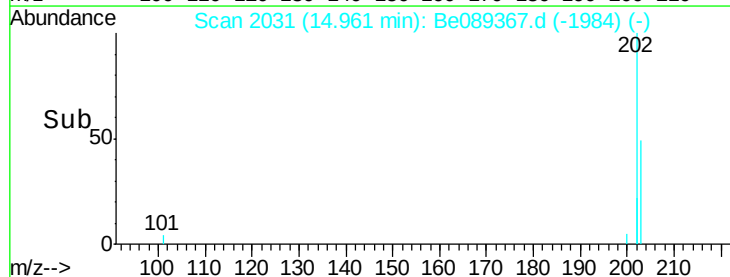
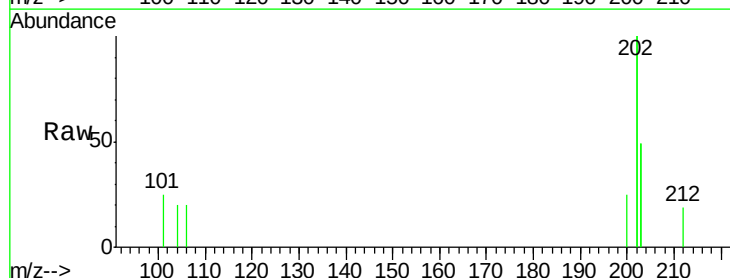
Tgt Ion:202 Resp: 553

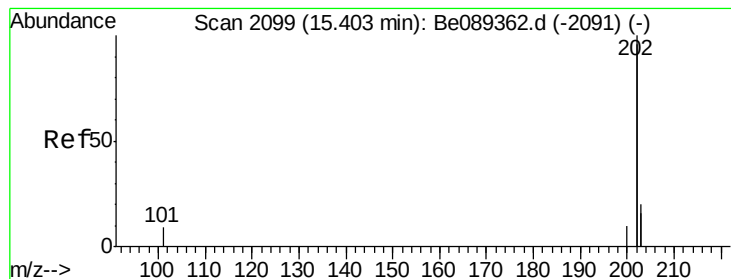
Ion Ratio Lower Upper

202 100

101 12.7 0.0 24.6

203 49.4 0.0 37.8#





#19

Pyrene

Concen: 0.02 ng/ul

RT: 15.40 min Scan# 2099

Delta R.T. 0.00 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

Instrument :

BNA_E

ClientSampleId :

Y9RA6

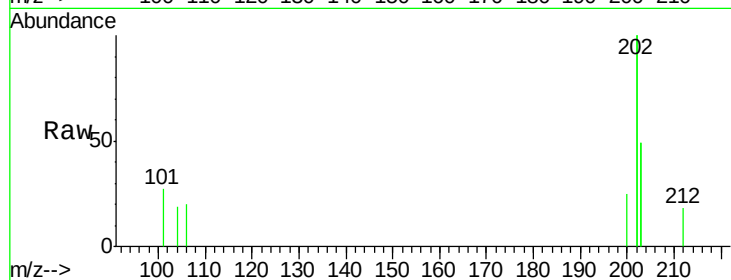
Tgt Ion:202 Resp: 615

Ion Ratio Lower Upper

202 100

200 12.6 4.2 6.4#

203 48.6 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

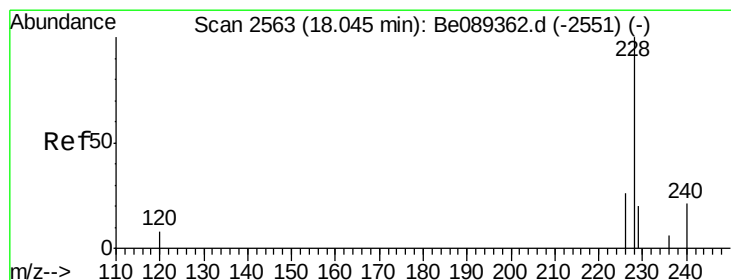
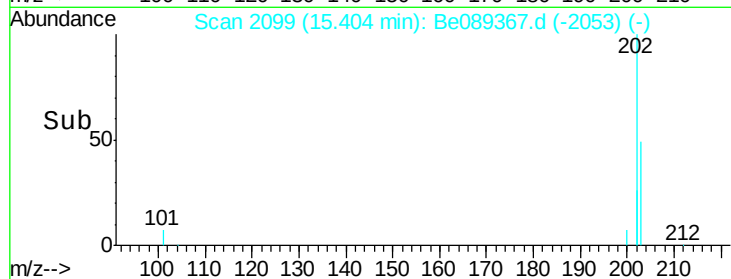
15.40

400

200

0

Time--> 15.30 15.40 15.50



#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 18.05 min Scan# 2564

Delta R.T. 0.01 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

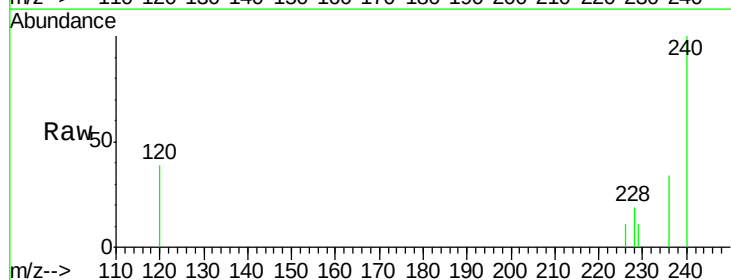
Tgt Ion:228 Resp: 116

Ion Ratio Lower Upper

228 100

226 59.2 21.9 32.9#

229 58.2 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

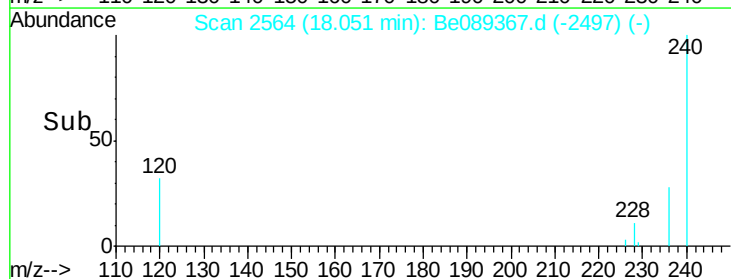
18.05

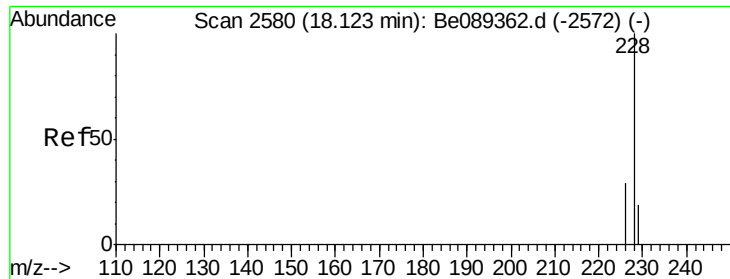
100

50

0

Time--> 18.00 18.05 18.10





#21

Chrysene

Concen: 0.02 ng/ul

RT: 18.12 min Scan# 2580

Delta R.T. 0.00 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

Instrument :

BNA_E

ClientSampleId :

Y9RA6

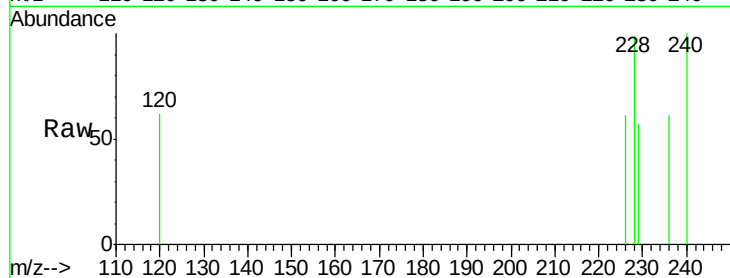
Tgt Ion:228 Resp: 114

Ion Ratio Lower Upper

228 100

226 61.3 23.9 35.9#

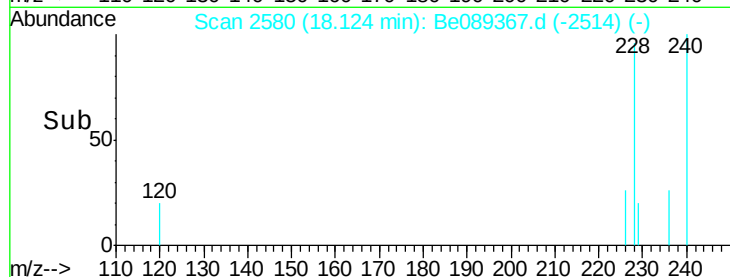
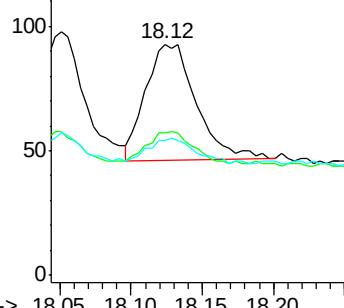
229 58.1 16.8 25.2#



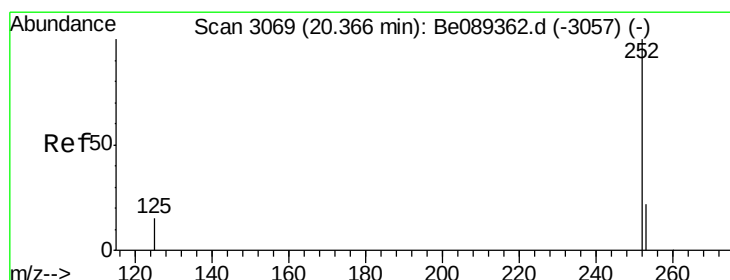
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 18.05 18.10 18.15 18.20



#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 20.38 min Scan# 3071

Delta R.T. 0.01 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

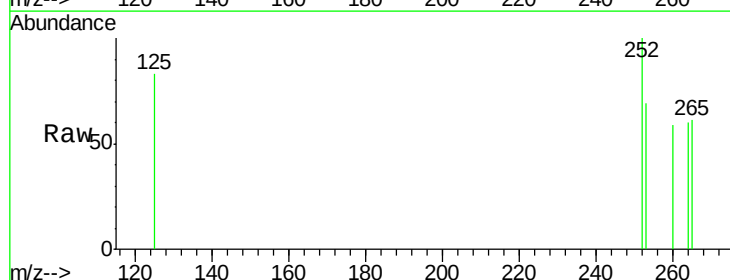
Tgt Ion:252 Resp: 80

Ion Ratio Lower Upper

252 100

253 69.3 0.0 47.8#

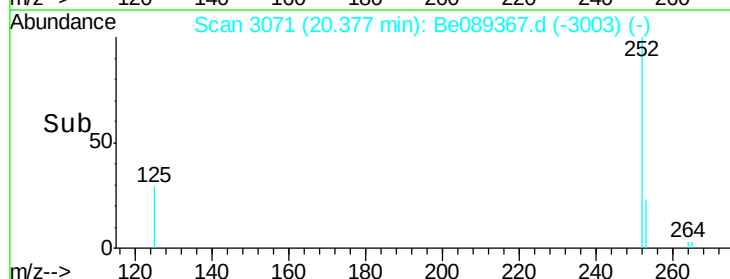
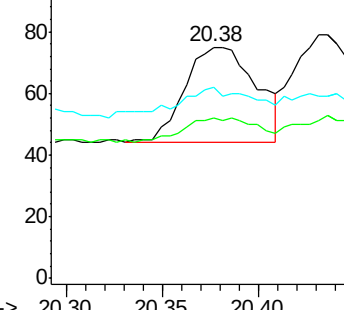
125 82.7 0.0 34.2#



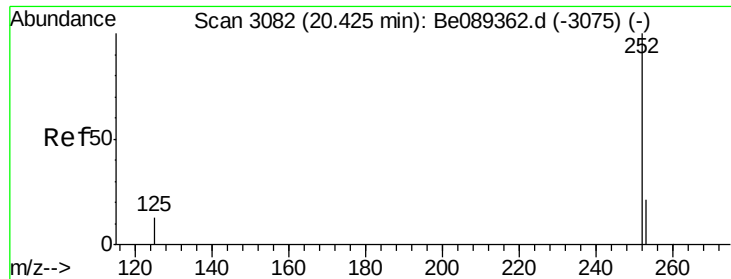
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 20.30 20.35 20.40



#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 20.43 min Scan# 3083

Delta R.T. 0.01 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

Instrument :

BNA_E

ClientSampleId :

Y9RA6

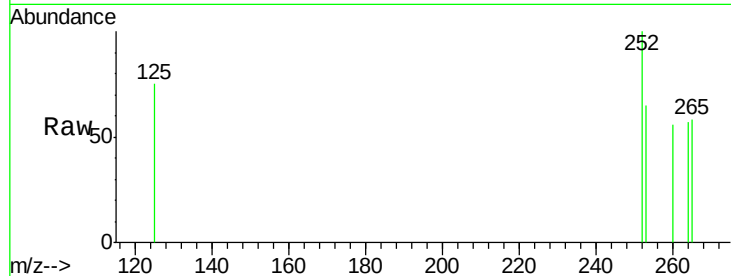
Tgt Ion:252 Resp: 110

Ion Ratio Lower Upper

252 100

253 64.6 19.0 28.6#

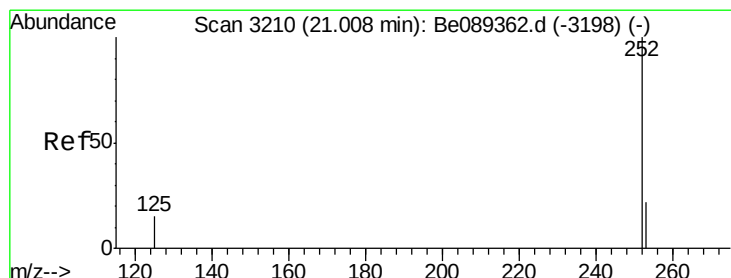
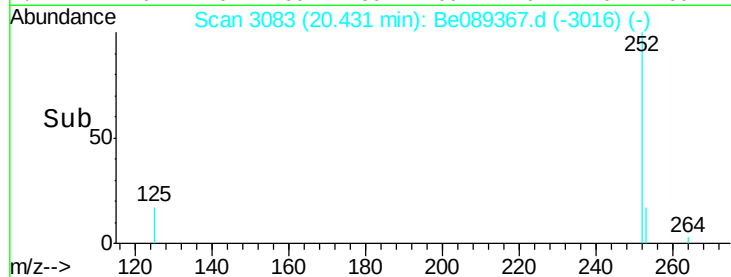
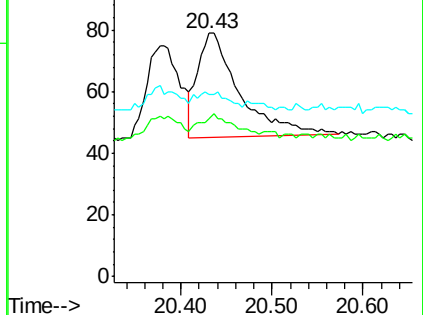
125 74.7 13.5 20.3#



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: 0.01 ng/ul

RT: 21.01 min Scan# 3210

Delta R.T. 0.00 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

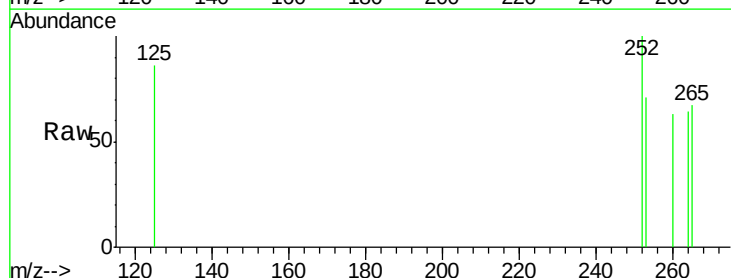
Tgt Ion:252 Resp: 72

Ion Ratio Lower Upper

252 100

253 71.4 19.7 29.5#

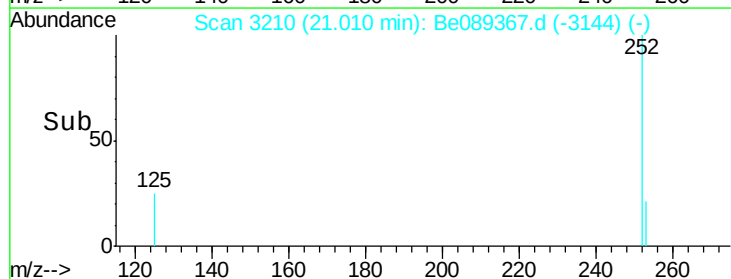
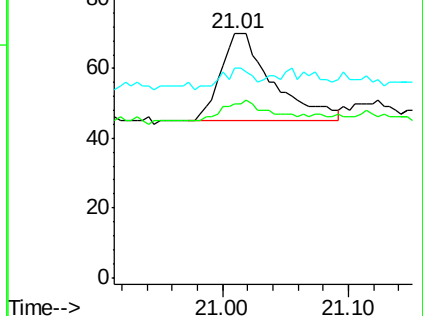
125 85.7 15.0 22.6#

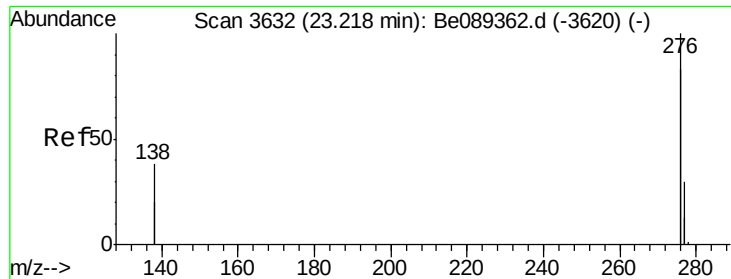


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.01 ng/ul

RT: 23.24 min Scan# 3635

Delta R.T. 0.03 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

Instrument :

BNA_E

ClientSampleId :

Y9RA6

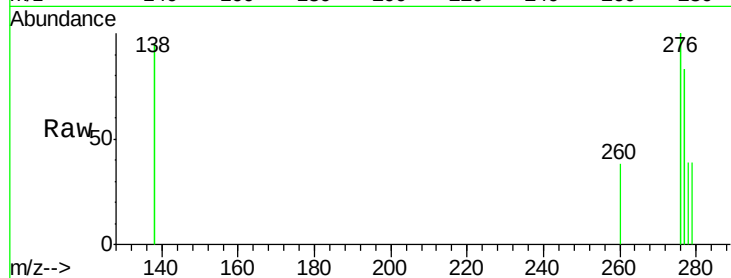
Tgt Ion:276 Resp: 204

Ion Ratio Lower Upper

276 100

138 36.3 23.8 35.8#

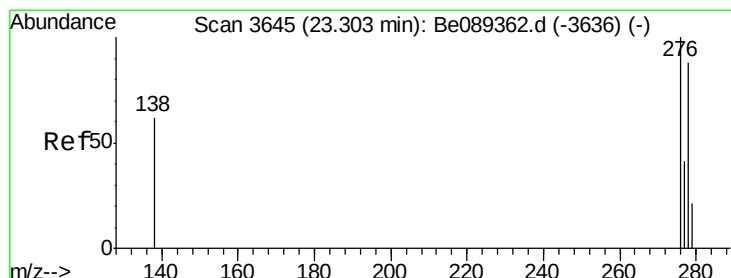
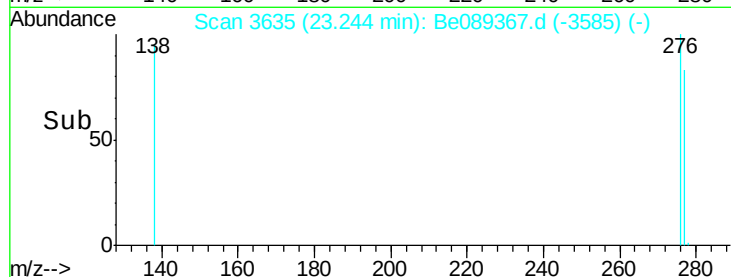
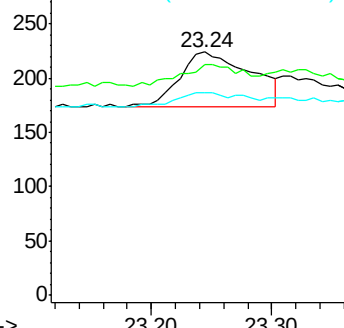
277 16.7 18.9 28.3#



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: 0.01 ng/ul

RT: 23.33 min Scan# 3648

Delta R.T. 0.03 min

Lab File: Be089367.d

Acq: 8 Jan 2015 15:44

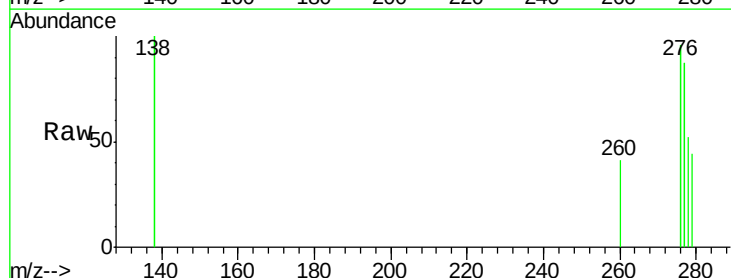
Tgt Ion:278 Resp: 39

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

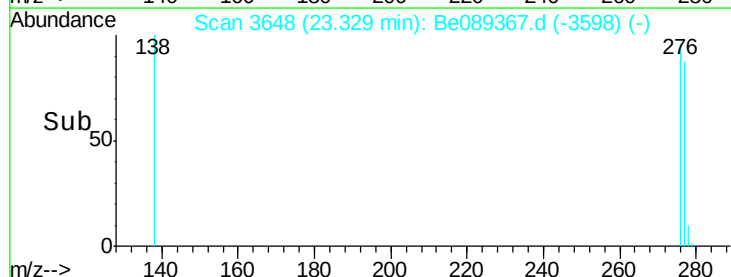
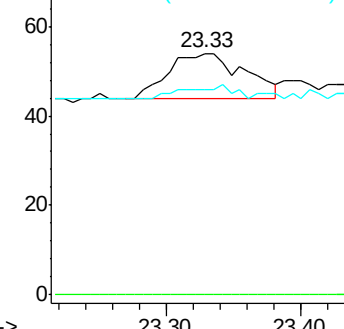
279 85.2 24.0 36.0#

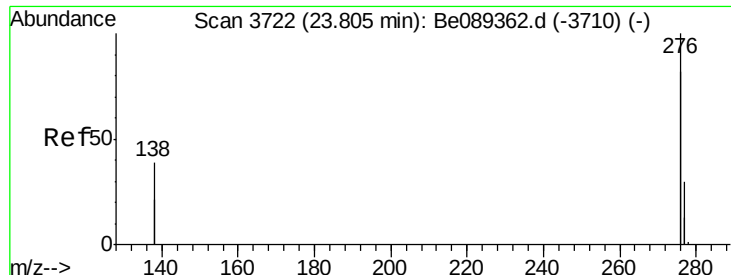


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.01 ng/ul

RT: 23.84 min Scan# 3726

Delta R.T. 0.03 min

Lab File: Be089367.d

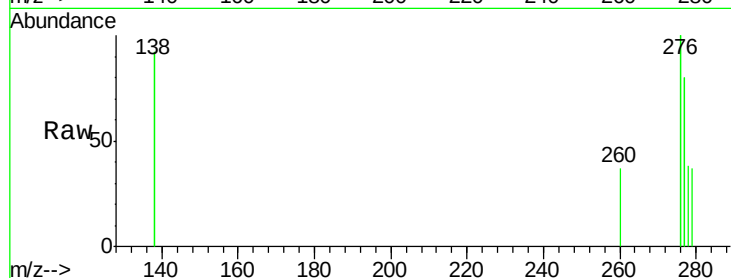
Acq: 8 Jan 2015 15:44

Instrument :

BNA_E

ClientSampleId :

Y9RA6



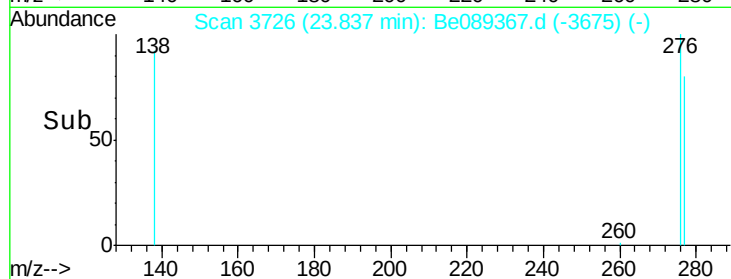
Tgt Ion: 276 Resp: 320

Ion Ratio Lower Upper

276 100

277 79.7 22.3 33.5#

138 91.5 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

