

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010215\
 Data File : Be089305.d
 Acq On : 2 Jan 2015 14:17
 Operator : TP/IZ
 Sample : F5245-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RA8

Quant Time: Jan 02 22:27:46 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 02 22:03:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1964	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	7736	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	3842	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	5923	0.40	ng/ul	0.00
18) Chrysene-d12	18.06	240	3671	0.40	ng/ul	0.00
22) Perylene-d12	21.11	264	3121	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.13	96	676	0.23	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.95	212	2	0.00	ng/ul	0.03

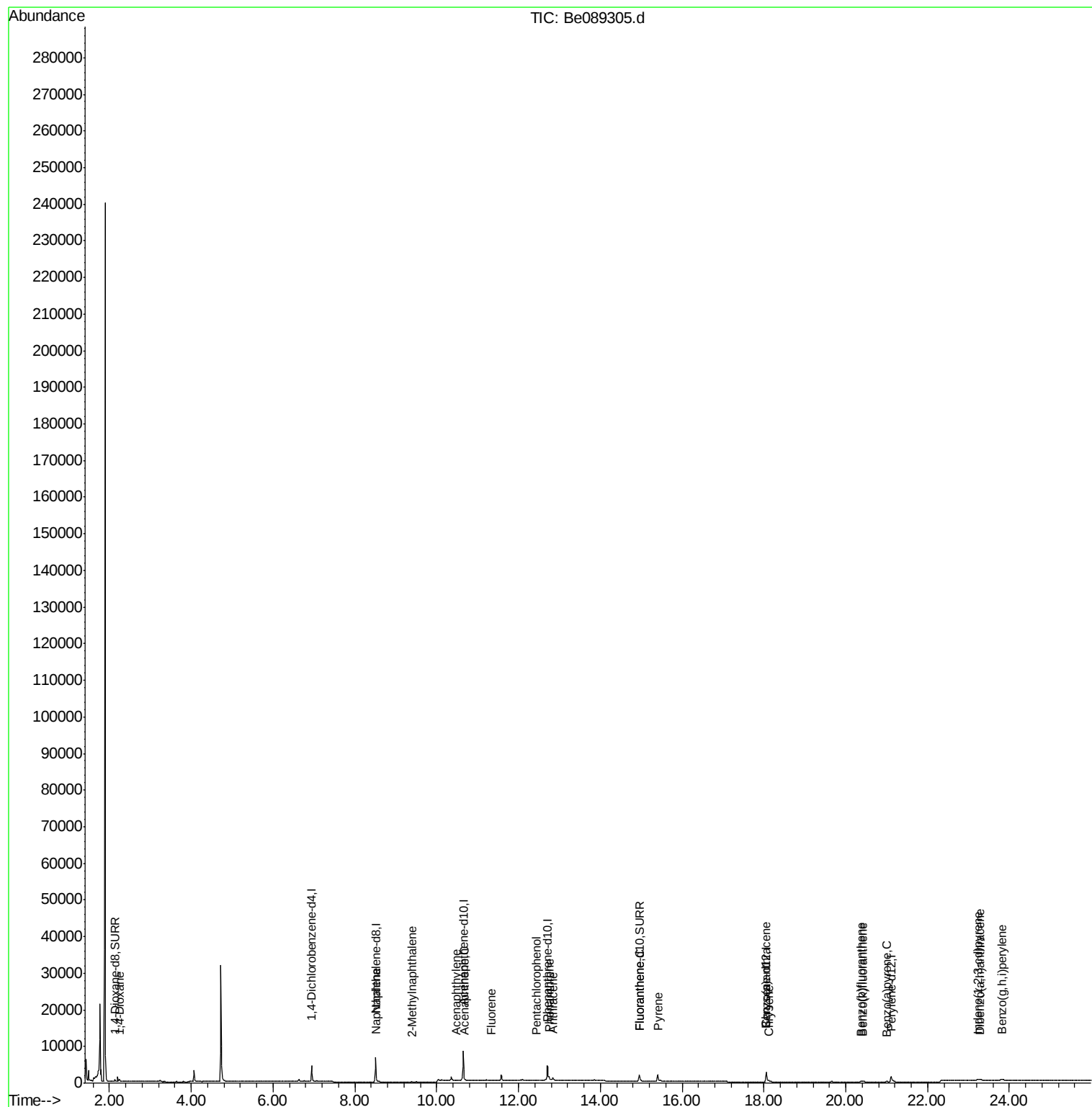
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.24	88	383	0.12	ng/ul#	83
5) Naphthalene	8.53	128	187	0.01	ng/ul#	30
7) 2-Methylnaphthalene	9.39	142	150	0.01	ng/ul	87
9) Acenaphthylene	10.48	152	113	0.00	ng/ul#	1
10) Acenaphthene	10.69	153	172	0.00	ng/ul#	47
11) Fluorene	11.34	166	56	0.01	ng/ul#	67
13) Pentachlorophenol	12.43	266	4	0.01	ng/ul#	85
14) Phenanthrene	12.75	178	1199	0.02	ng/ul#	56
15) Anthracene	12.83	178	1106	0.02	ng/ul#	51
17) Fluoranthene	14.95	202	2554	0.05	ng/ul	81
19) Pyrene	15.40	202	2649	0.06	ng/ul#	80
20) Benzo(a)anthracene	18.04	228	608	0.07	ng/ul#	84
21) Chrysene	18.11	228	741	0.07	ng/ul#	82
23) Benzo(b)fluoranthene	20.37	252	458	0.06	ng/ul#	50
24) Benzo(k)fluoranthene	20.42	252	670	0.07	ng/ul#	62
25) Benzo(a)pyrene	21.00	252	403	0.05	ng/ul#	54
26) Indeno(1,2,3-cd)pyrene	23.22	276	1113	0.05	ng/ul	97
27) Dibenzo(a,h)anthracene	23.30	278	274	0.04	ng/ul#	51
28) Benzo(g,h,i)perylene	23.80	276	1567	0.05	ng/ul#	56

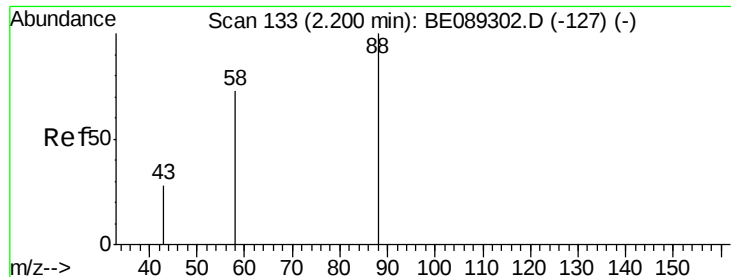
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.12 ng/ul

RT: 2.24 min Scan# 140

Delta R.T. 0.04 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

Instrument :

BNA_E

ClientSampleId :

Y9RA8

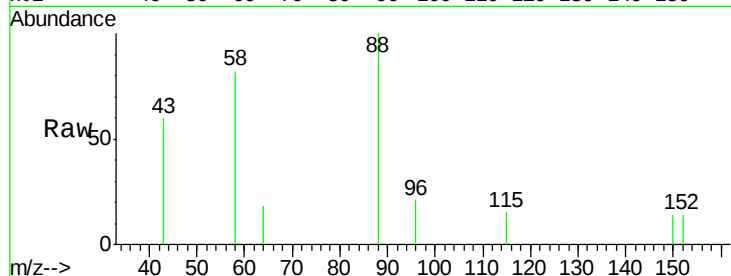
Tgt Ion: 88 Resp: 383

Ion Ratio Lower Upper

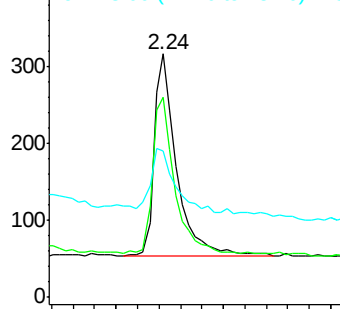
88 100

58 74.7 61.5 92.3

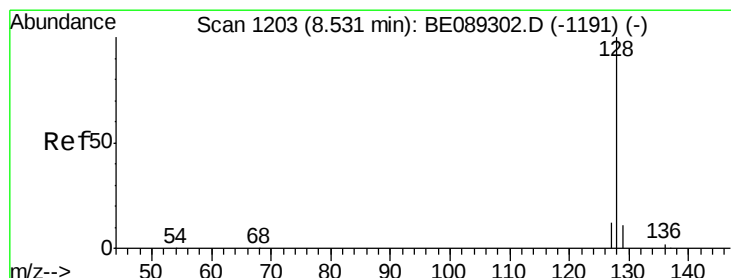
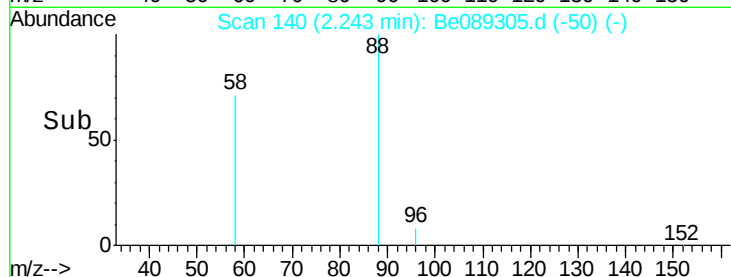
43 0.0 23.9 35.9#



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



Time-->



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

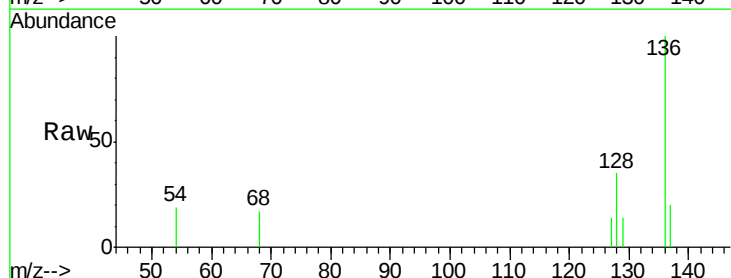
Tgt Ion: 128 Resp: 187

Ion Ratio Lower Upper

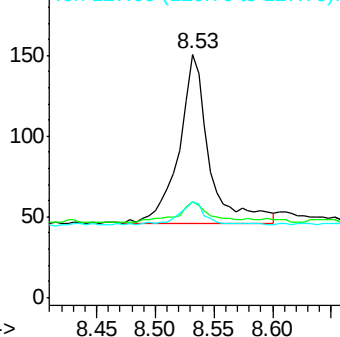
128 100

129 39.1 9.1 13.7#

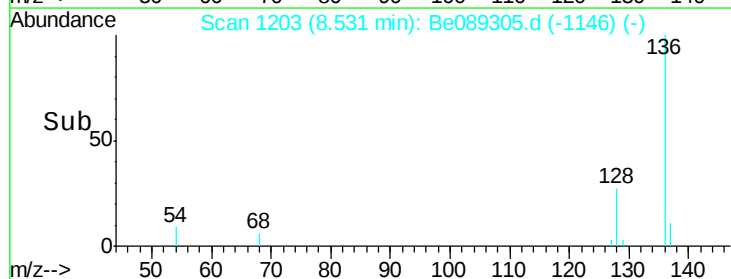
127 39.1 10.0 15.0#

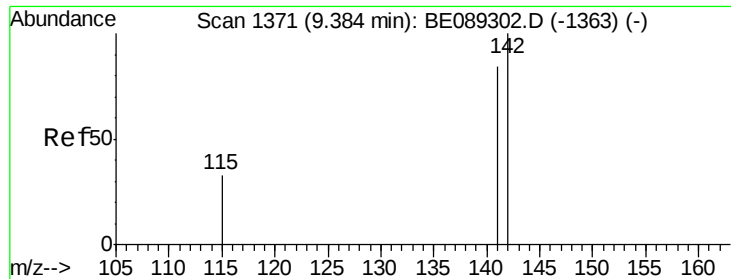


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.39 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

Instrument :

BNA_E

ClientSampled :

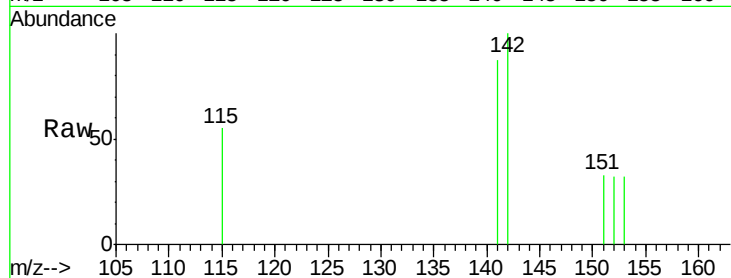
Y9RA8

Tgt Ion:142 Resp: 150

Ion Ratio Lower Upper

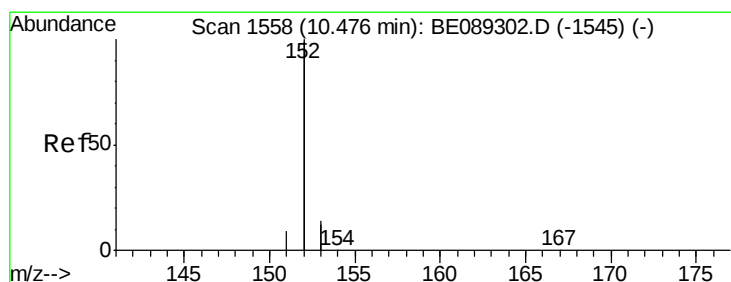
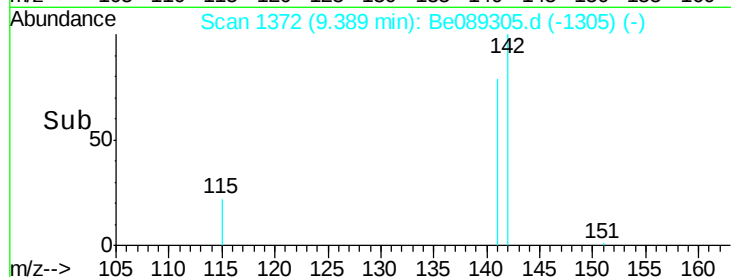
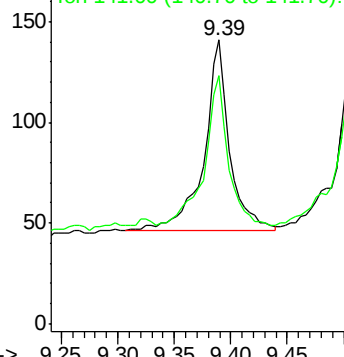
142 100

141 70.0 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: 0.00 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

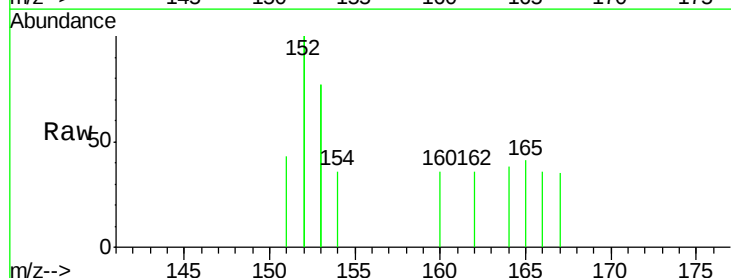
Tgt Ion:152 Resp: 113

Ion Ratio Lower Upper

152 100

151 21.6 4.0 6.0#

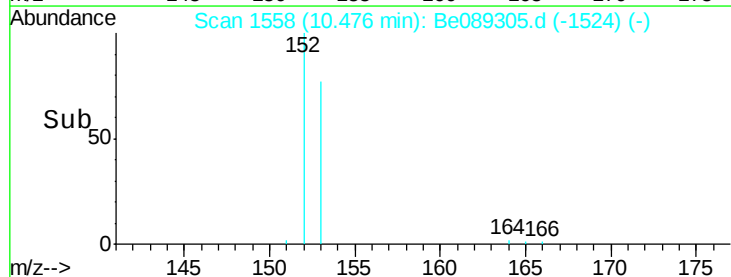
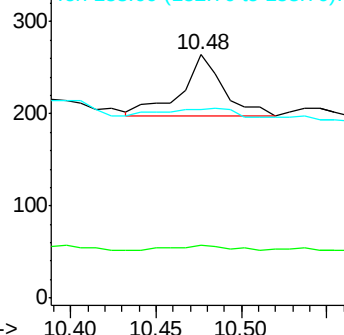
153 77.3 10.1 15.1#

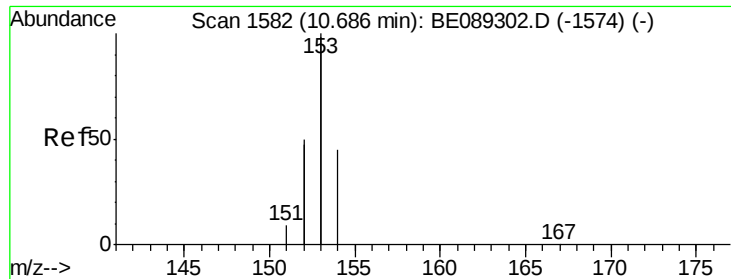


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 10.69 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

Instrument :

BNA_E

ClientSampleId :

Y9RA8

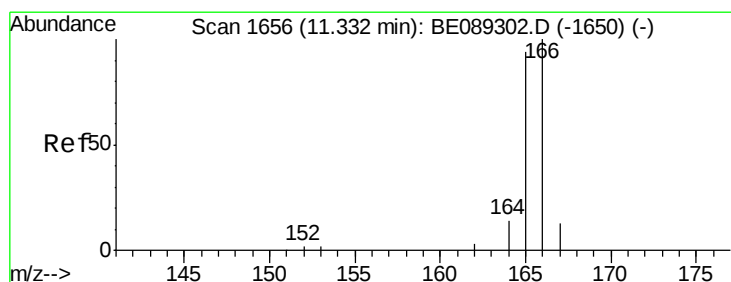
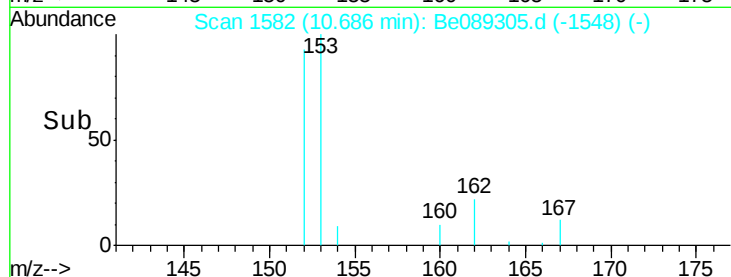
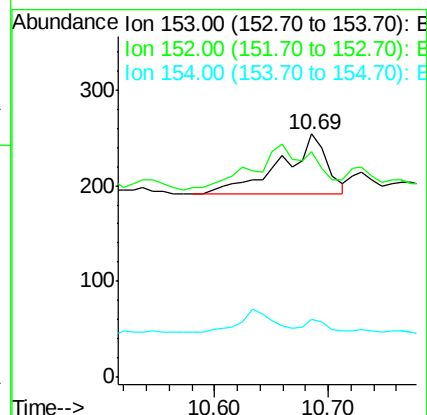
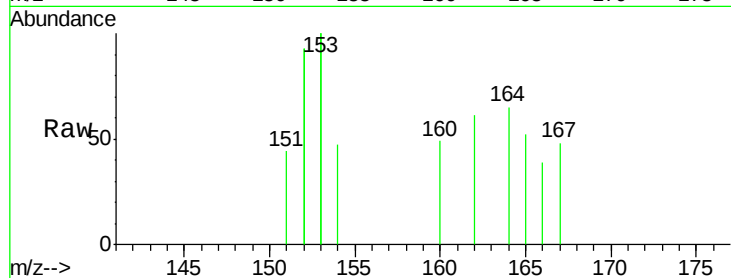
Tgt Ion:153 Resp: 172

Ion Ratio Lower Upper

153 100

152 92.9 32.6 49.0#

154 23.6 21.8 32.6



#11

Fluorene

Concen: 0.01 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

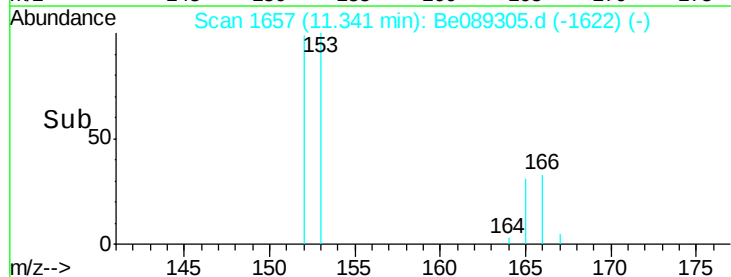
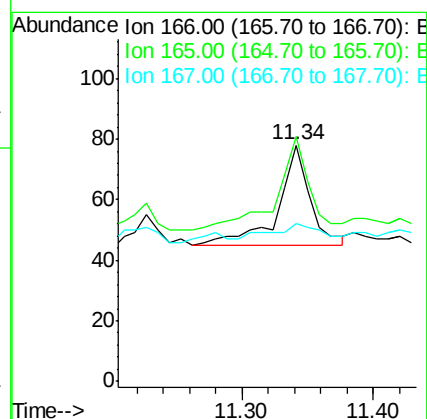
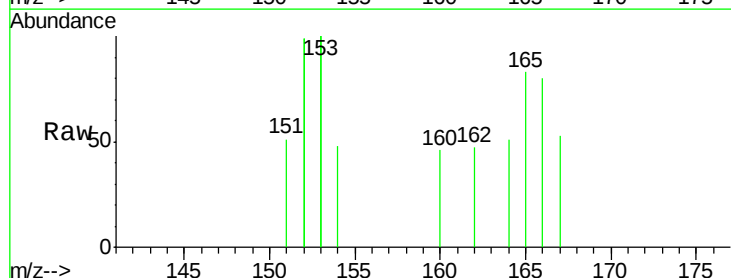
Tgt Ion:166 Resp: 56

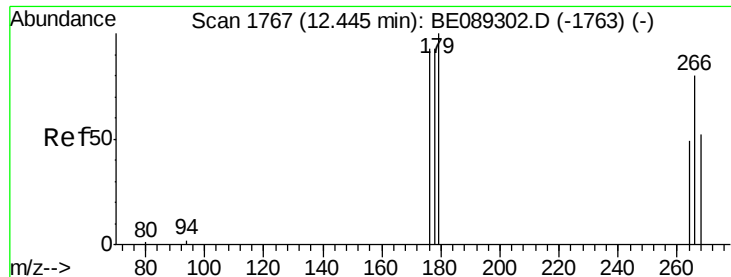
Ion Ratio Lower Upper

166 100

165 103.8 70.3 105.5

167 66.7 11.5 17.3#





#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 12.43 min Scan# 1766

Delta R.T. -0.01 min

Lab File: Be089305.d

Acq: 2 Jan 2015 14:17

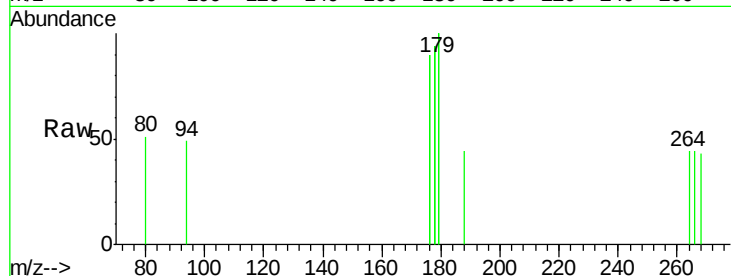
Instrument :

BNA_E

ClientSampleId :

Y9RA8

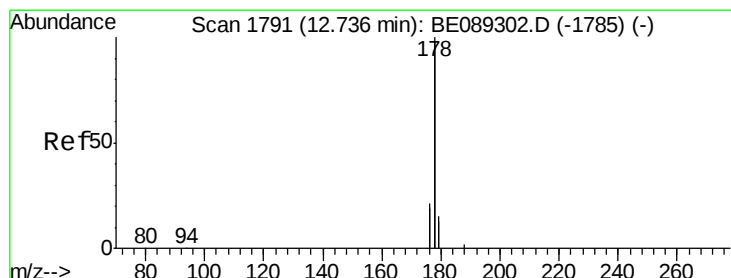
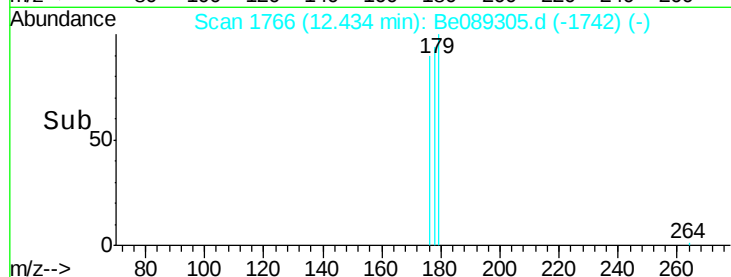
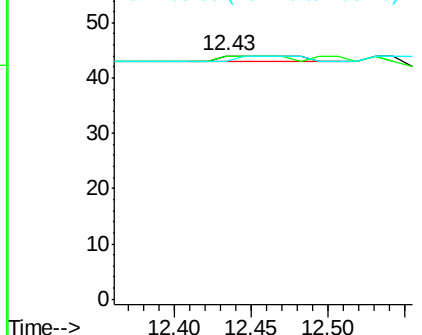
Tgt Ion:	266	Resp:	4
Ion	Ratio	Lower	Upper
266	100		
264	75.0	48.7	73.1#
268	75.0	52.9	79.3



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: 0.02 ng/ul

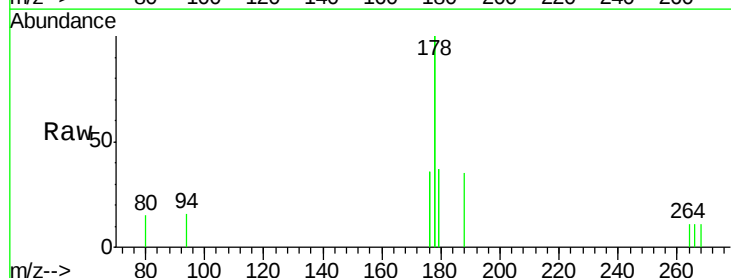
RT: 12.75 min Scan# 1792

Delta R.T. 0.01 min

Lab File: Be089305.d

Acq: 2 Jan 2015 14:17

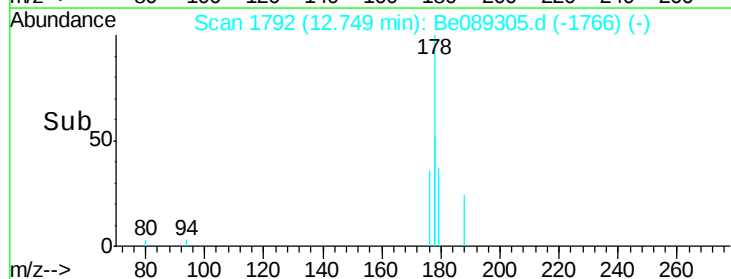
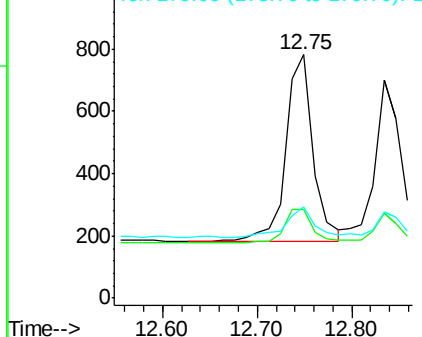
Tgt Ion:	178	Resp:	1199
Ion	Ratio	Lower	Upper
178	100		
176	36.3	14.3	21.5#
179	37.3	13.8	20.8#

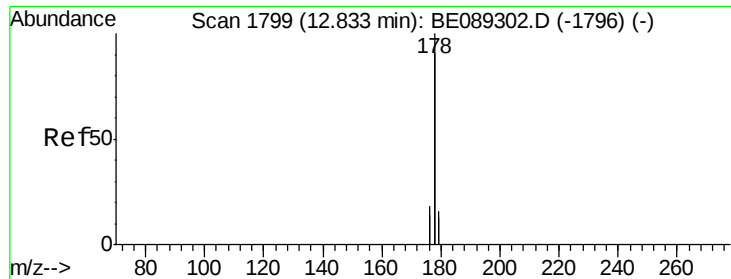


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.02 ng/ul

RT: 12.83 min Scan# 1799

Delta R.T. 0.00 min

Lab File: Be089305.d

Acq: 2 Jan 2015 14:17

Instrument :

BNA_E

ClientSampleId :

Y9RA8

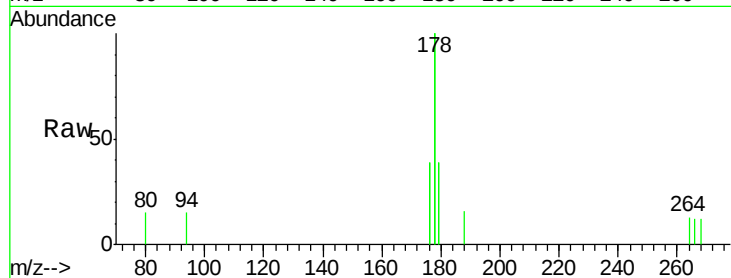
Tgt Ion:178 Resp: 1106

Ion Ratio Lower Upper

178 100

176 38.9 14.7 22.1#

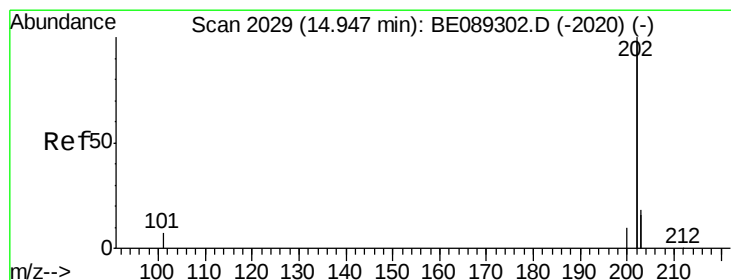
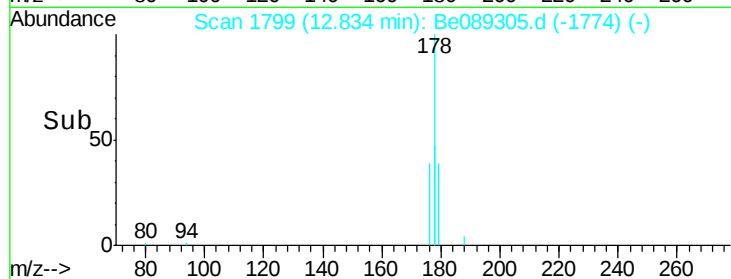
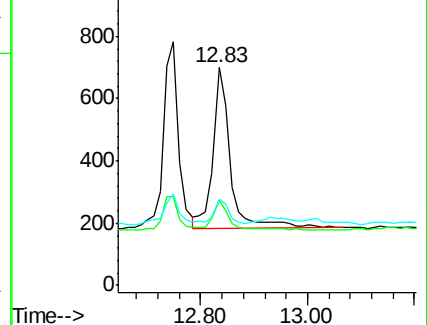
179 39.4 13.4 20.2#



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: 0.05 ng/ul

RT: 14.95 min Scan# 2030

Delta R.T. 0.01 min

Lab File: Be089305.d

Acq: 2 Jan 2015 14:17

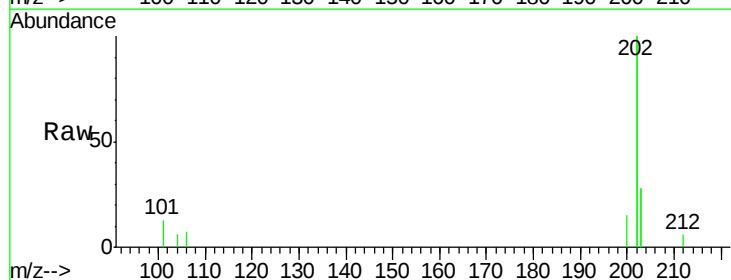
Tgt Ion:202 Resp: 2554

Ion Ratio Lower Upper

202 100

101 6.3 0.0 24.6

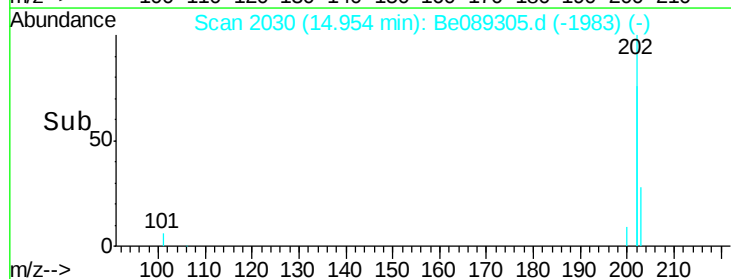
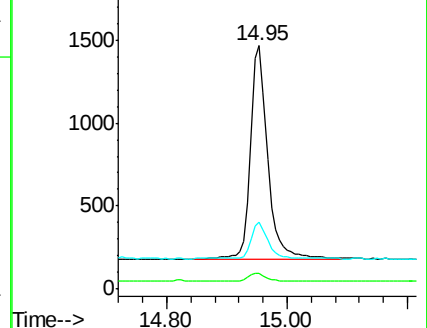
203 27.6 0.0 37.8

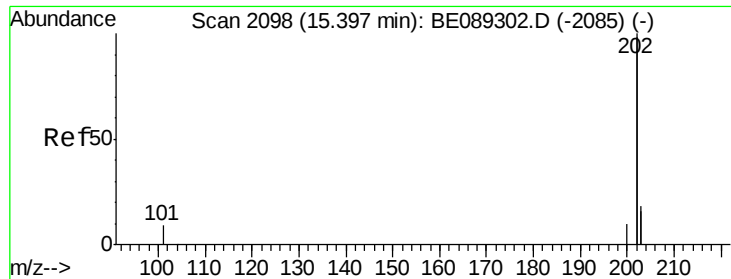


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.06 ng/ul

RT: 15.40 min Scan# 2099

Delta R.T. 0.01 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

Instrument :

BNA_E

ClientSampleId :

Y9RA8

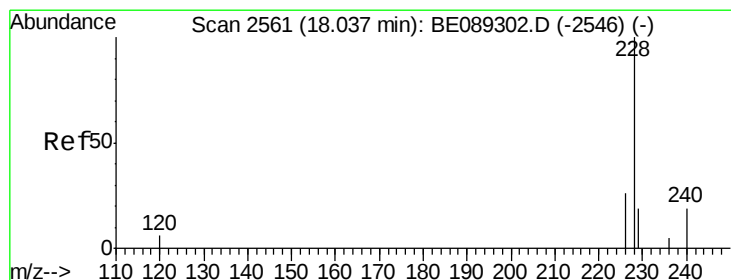
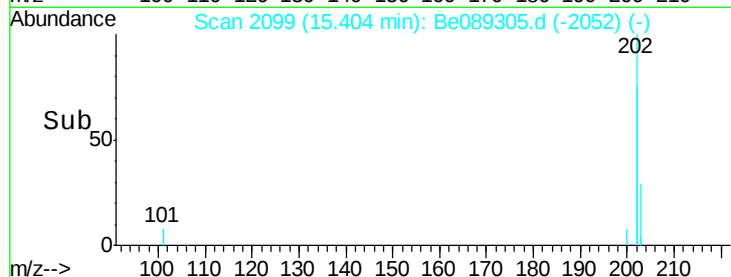
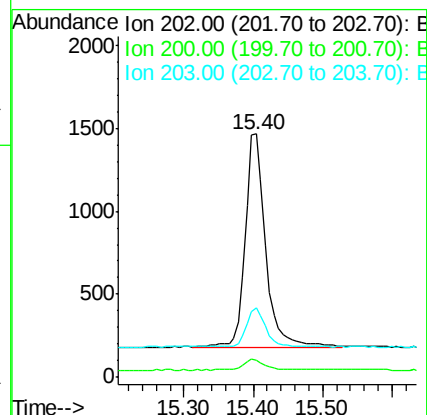
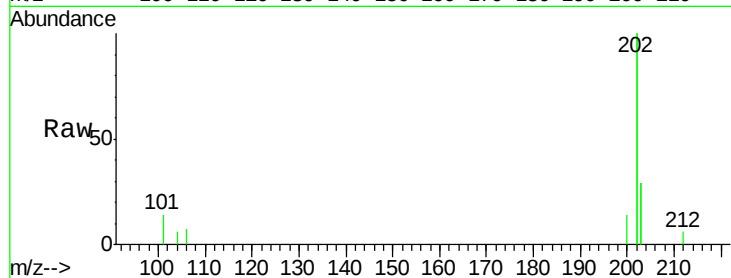
Tgt Ion:202 Resp: 2649

Ion Ratio Lower Upper

202 100

200 7.2 4.2 6.4#

203 28.6 14.4 21.6#



#20

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 18.04 min Scan# 2562

Delta R.T. 0.00 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

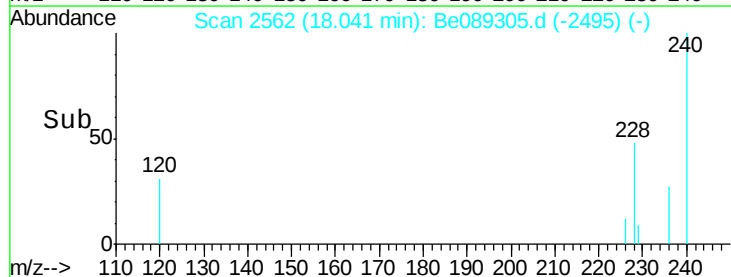
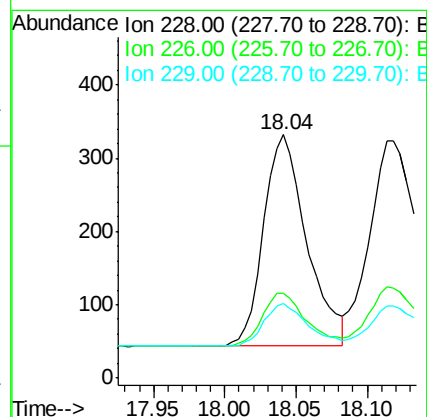
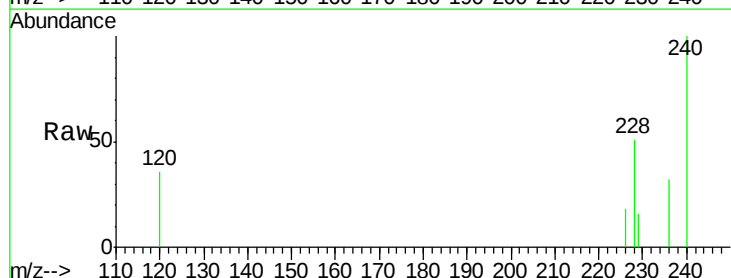
Tgt Ion:228 Resp: 608

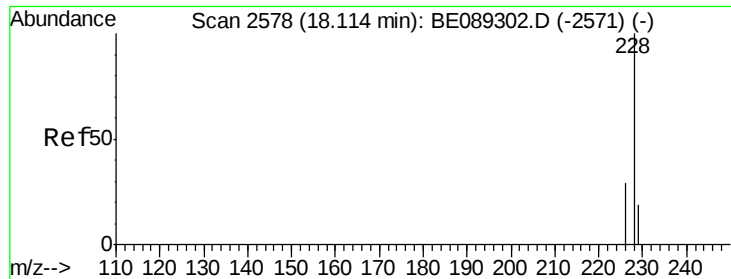
Ion Ratio Lower Upper

228 100

226 34.6 21.9 32.9#

229 30.4 16.9 25.3#





#21

Chrysene

Concen: 0.07 ng/ul

RT: 18.11 min Scan# 2578

Delta R.T. 0.00 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

Instrument :

BNA_E

ClientSampleId :

Y9RA8

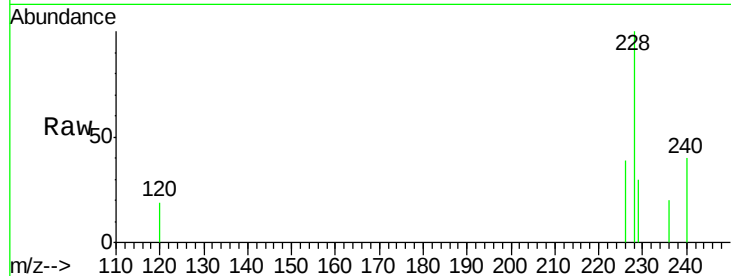
Tgt Ion:228 Resp: 741

Ion Ratio Lower Upper

228 100

226 38.6 23.9 35.9#

229 30.2 16.8 25.2#

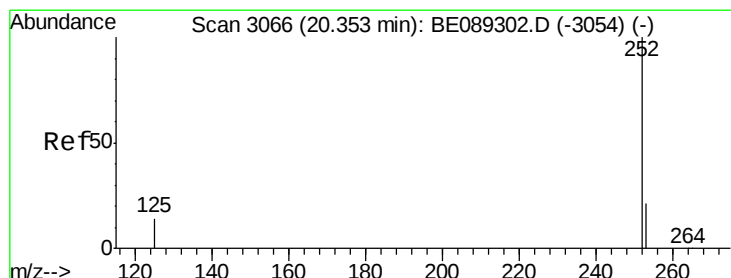
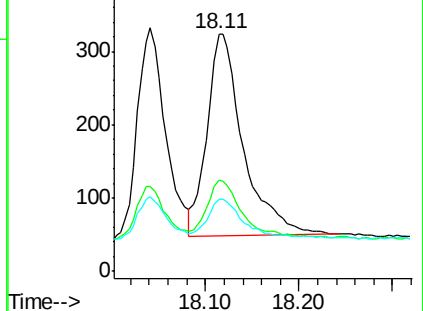
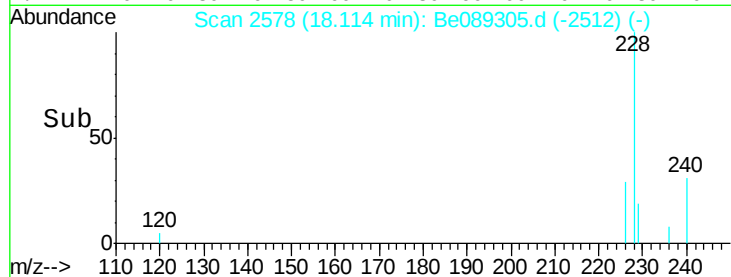


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



#23

Benzo(b)fluoranthene

Concen: 0.06 ng/ul

RT: 20.37 min Scan# 3069

Delta R.T. 0.01 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

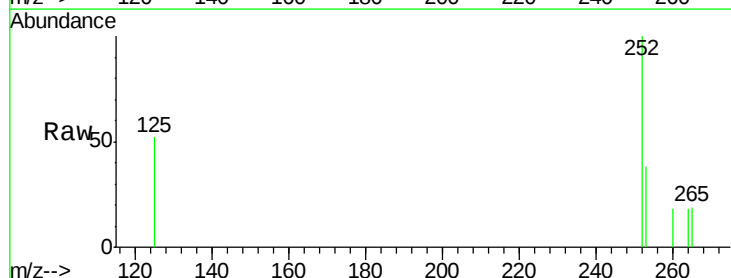
Tgt Ion:252 Resp: 458

Ion Ratio Lower Upper

252 100

253 37.6 0.0 47.8

125 52.5 0.0 34.2#

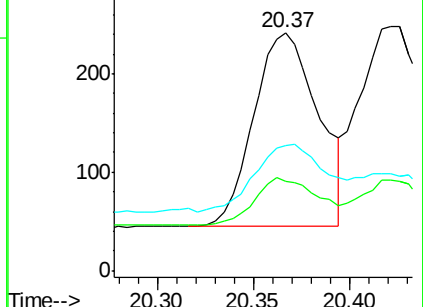
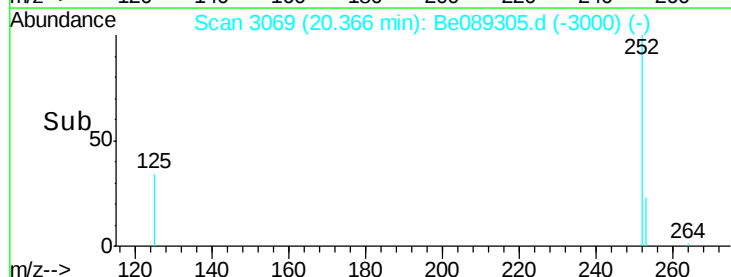


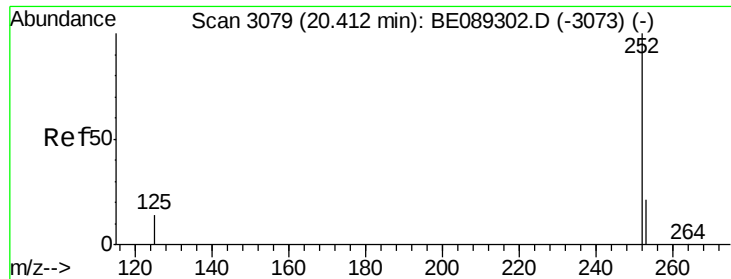
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





#24

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 20.42 min Scan# 3081

Delta R.T. 0.01 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

Instrument :

BNA_E

ClientSampleId :

Y9RA8

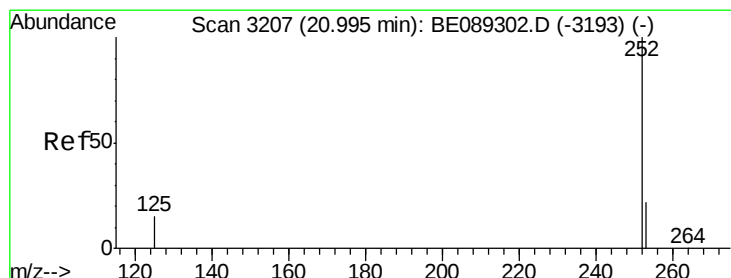
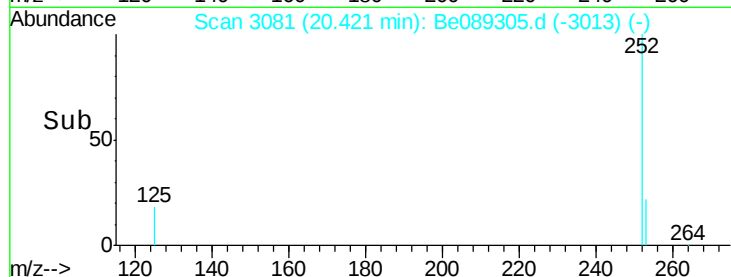
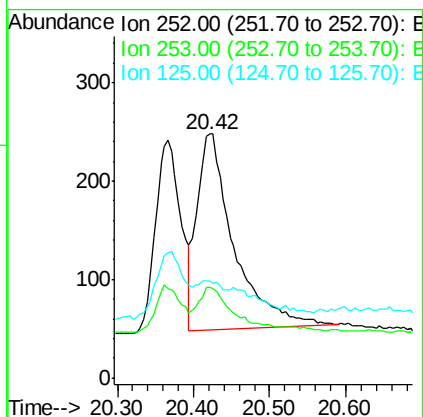
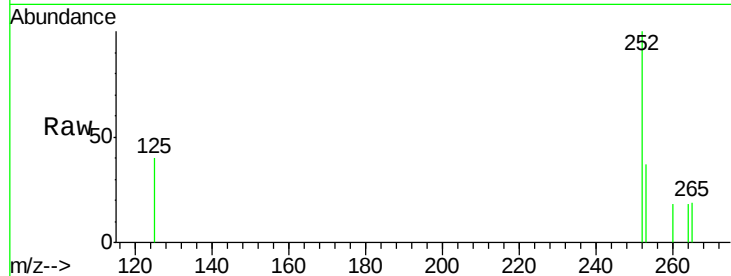
Tgt Ion:252 Resp: 670

Ion Ratio Lower Upper

252 100

253 37.1 19.0 28.6#

125 39.9 13.5 20.3#



#25

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 21.00 min Scan# 3209

Delta R.T. 0.01 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

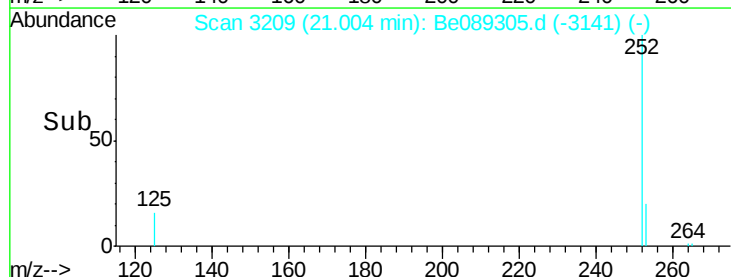
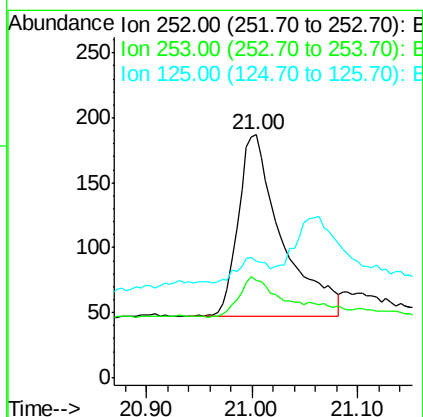
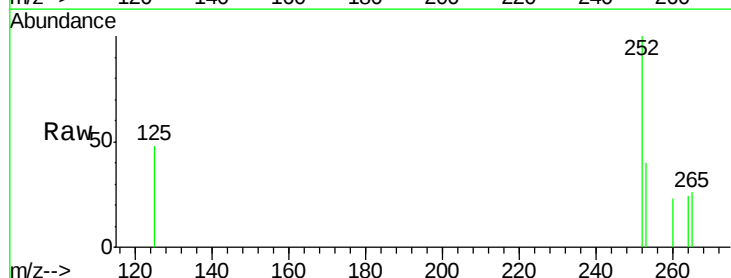
Tgt Ion:252 Resp: 403

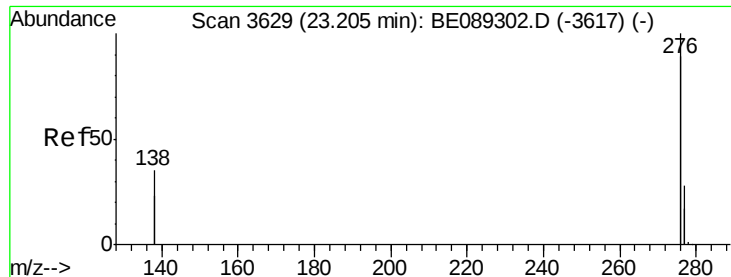
Ion Ratio Lower Upper

252 100

253 40.1 19.7 29.5#

125 48.1 15.0 22.6#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 23.22 min Scan# 3632

Delta R.T. 0.02 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

Instrument :

BNA_E

ClientSampleId :

Y9RA8

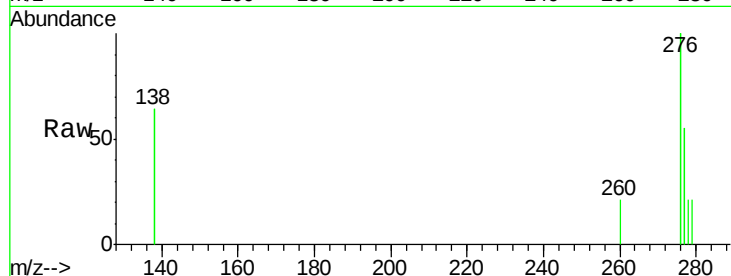
Tgt Ion: 276 Resp: 1113

Ion Ratio Lower Upper

276 100

138 29.8 23.8 35.8

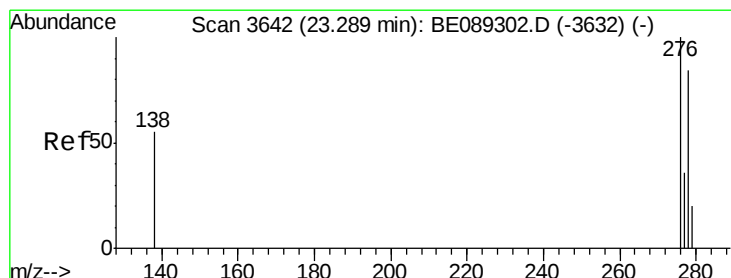
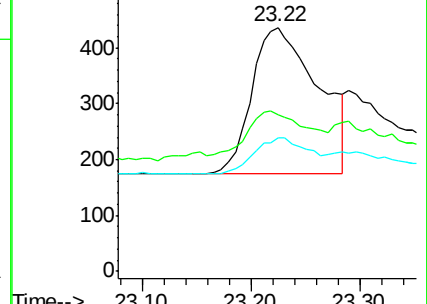
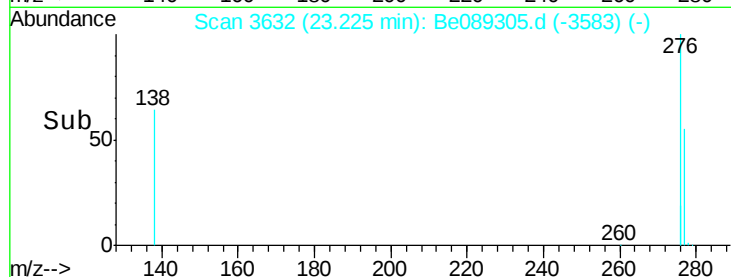
277 20.8 18.9 28.3



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: 0.04 ng/ul

RT: 23.30 min Scan# 3643

Delta R.T. 0.01 min

Lab File: BE089305.d

Acq: 2 Jan 2015 14:17

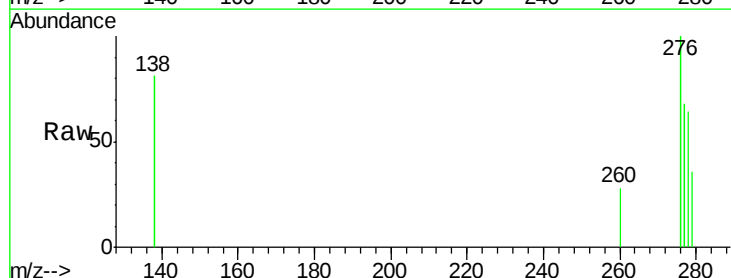
Tgt Ion: 278 Resp: 274

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

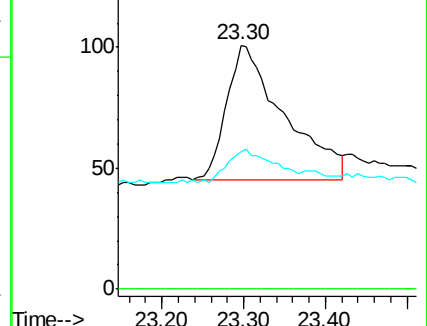
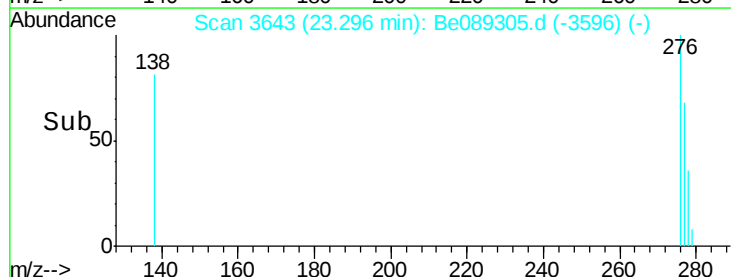
279 56.4 24.0 36.0#

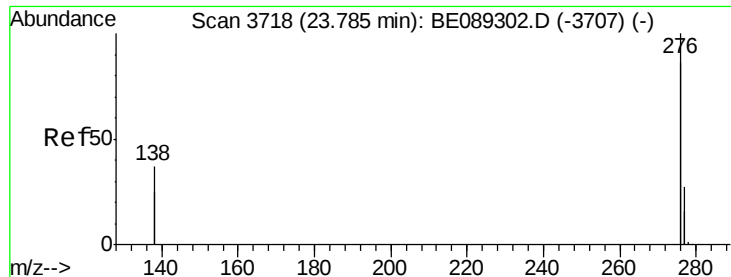


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.05 ng/ul

RT: 23.80 min Scan# 3721

Delta R.T. 0.02 min

Lab File: BE089305.d

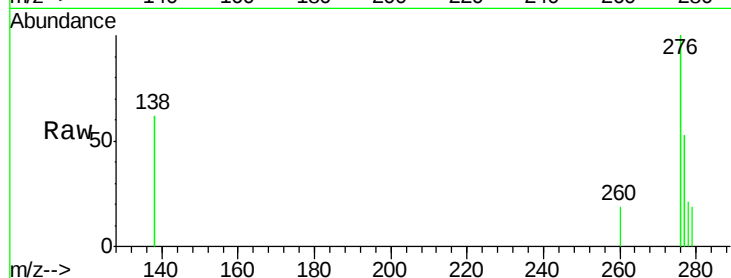
Acq: 2 Jan 2015 14:17

Instrument :

BNA_E

ClientSampleId :

Y9RA8



Tgt Ion: 276 Resp: 1567

Ion Ratio Lower Upper

276 100

277 52.6 22.3 33.5#

138 62.3 30.0 45.0#

