

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021715\
 Data File : BE089584.D
 Acq On : 17 Feb 2015 1:42
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 17 10:54:12 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIMPAH-BE021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 17 10:44:47 2015
 Response via : Initial Calibration

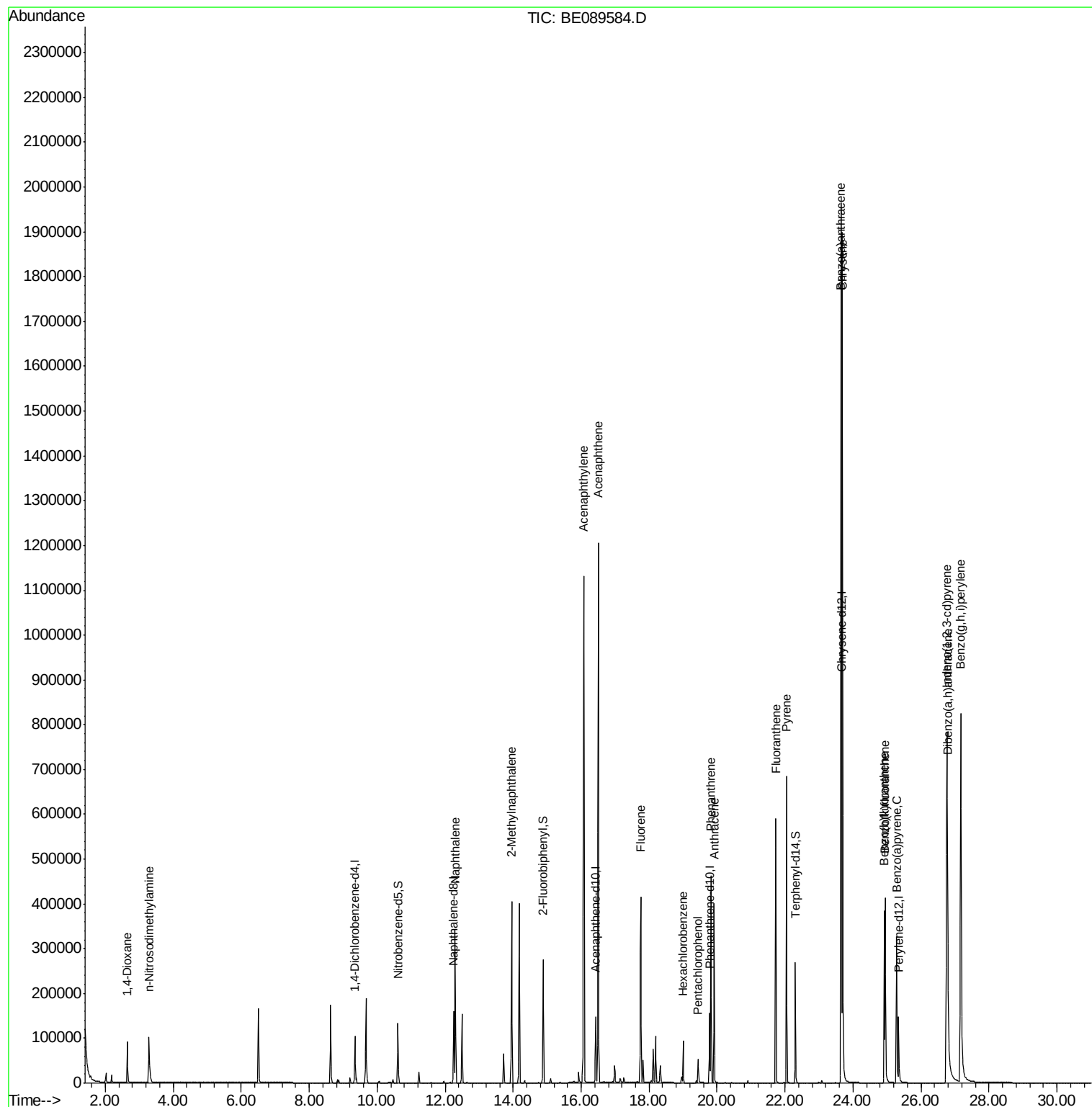
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.35	152	45201	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	183510	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	89859	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	158341	5.00	ng	0.00
19) Chrysene-d12	23.66	240	154653	5.00	ng	0.00
25) Perylene-d12	25.34	264	126335	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	92994	11.16	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	236244	8.25	ng	0.00
21) Terphenyl-d14	22.31	244	235063	8.13	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	2.64	88	55597	9.10	ng	95
3) n-Nitrosodimethylamine	3.28	42	63324	10.35	ng	# 94
6) Naphthalene	12.29	128	393957	8.55	ng	100
7) 2-Methylnaphthalene	13.95	142	256406	8.64	ng	100
10) Acenaphthylene	16.07	152	1561376	9.09	ng	100
11) Acenaphthene	16.50	154	230808	8.23	ng	98
12) Fluorene	17.75	166	271750	8.65	ng	100
14) Hexachlorobenzene	19.00	284	69020	7.78	ng	99
15) Pentachlorophenol	19.44	266	34055	12.99	ng	98
16) Phenanthrene	19.82	178	385285	8.10	ng	99
17) Anthracene	19.91	178	371542	9.52	ng	99
18) Fluoranthene	21.73	202	390358	9.81	ng	99
20) Pyrene	22.04	202	421227	8.56	ng	99
22) Benzo(a)anthracene	23.64	228	1489774	9.32	ng	98
23) Chrysene	23.69	228	1457516	7.75	ng	95
24) Indeno(1,2,3-cd)pyrene	26.76	276	1509389	10.94	ng	99
26) Benzo(b)fluoranthene	24.92	252	302864	11.85	ng	98
27) Benzo(k)fluoranthene	24.94	252	387264	9.25	ng	98
28) Benzo(a)pyrene	25.28	252	292201	11.79	ng	100
29) Dibenzo(a,h)anthracene	26.78	278	302504	11.95	ng	99
30) Benzo(g,h,i)perylene	27.17	276	1256920	10.16	ng	98

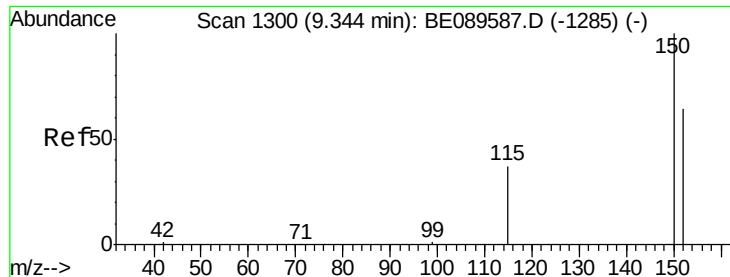
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.35 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

Instrument :

BNA_E

ClientSampleId :

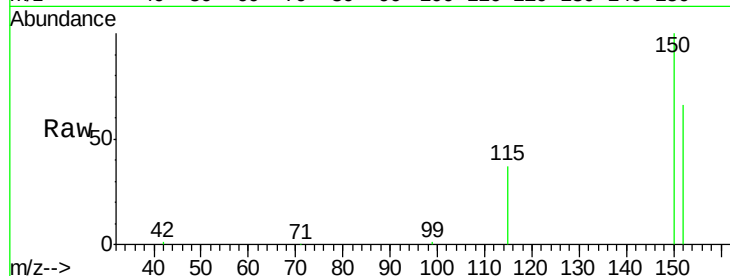
Tot Ion:152 Resp: 45201

Ion Ratio Lower Upper

152 100

150 150.9 125.3 187.9

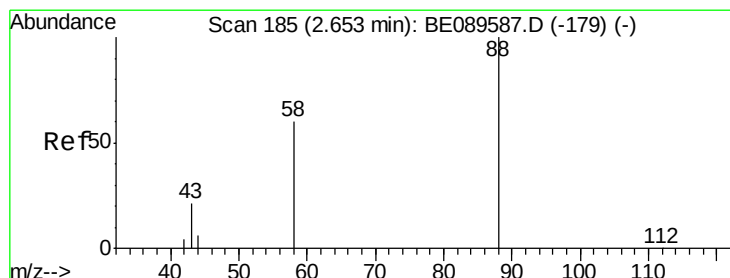
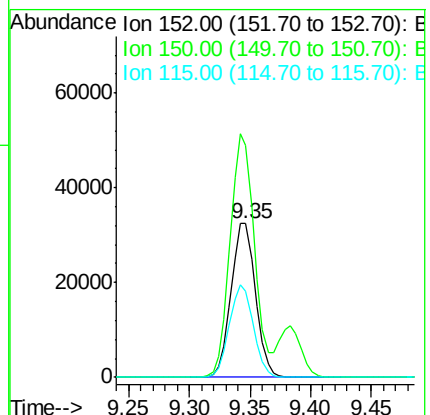
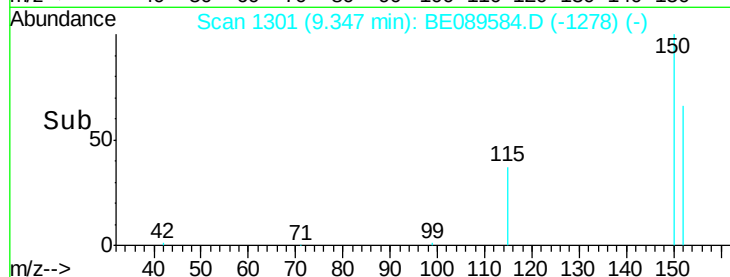
115 55.7 47.0 70.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 9.10 ng

RT: 2.64 min Scan# 183

Delta R.T. -0.01 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

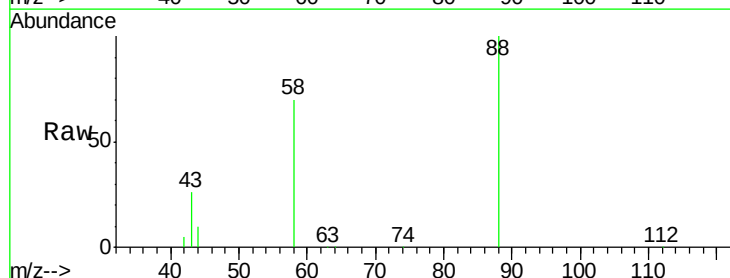
Tgt Ion: 88 Resp: 55597

Ion Ratio Lower Upper

88 100

58 70.6 53.0 79.4

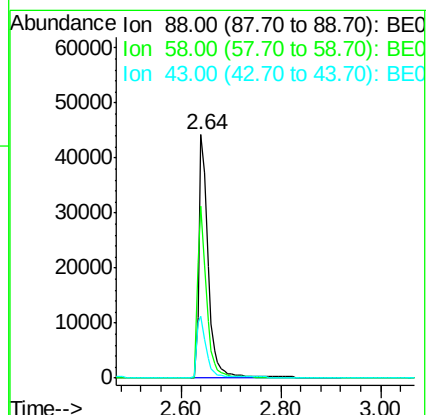
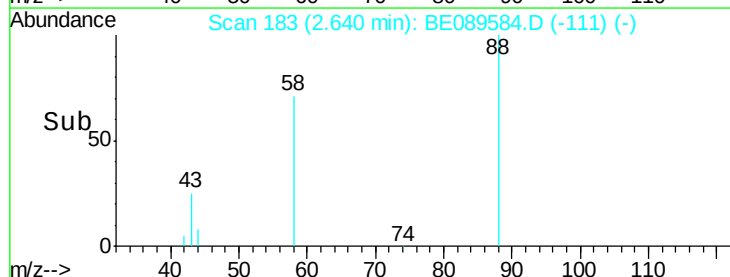
43 26.2 19.9 29.9

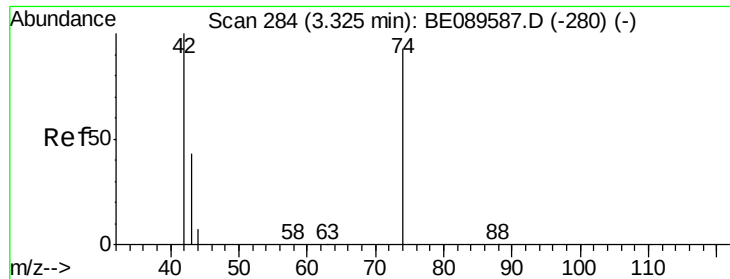


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



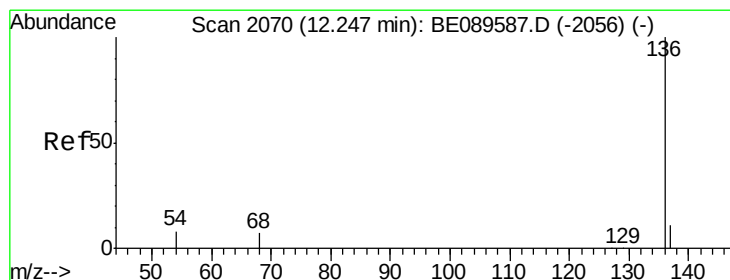
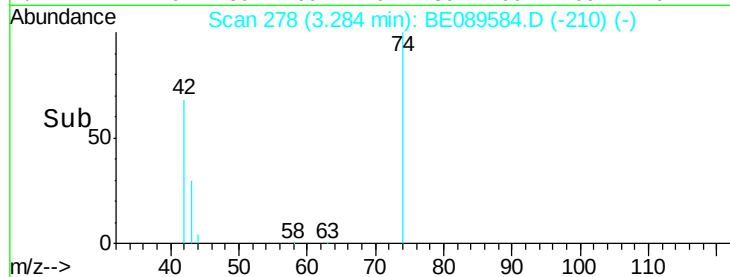
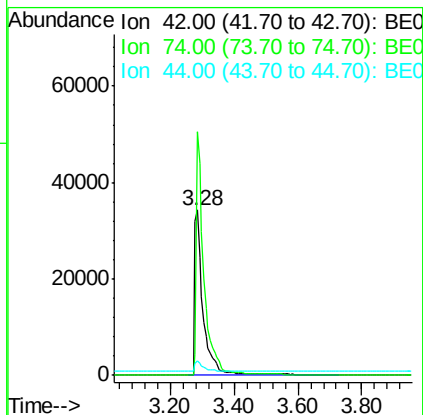
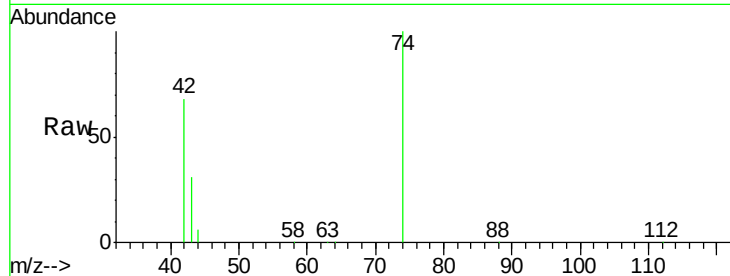


#3

n-Nitrosodimethylamine
 Concen: 10.35 ng
 RT: 3.28 min Scan# 278
 Delta R.T. -0.04 min
 Lab File: BE089584.D
 Acq: 17 Feb 2015 1:42

Instrument :
 BNA_E
 ClientSampleId :

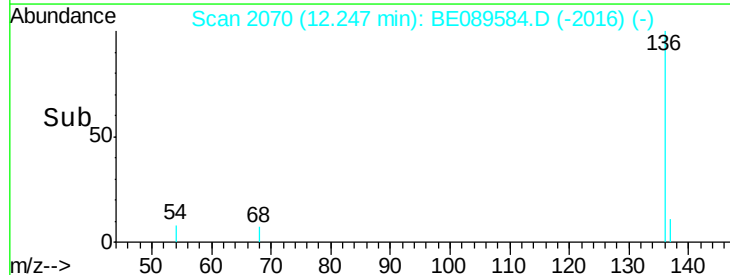
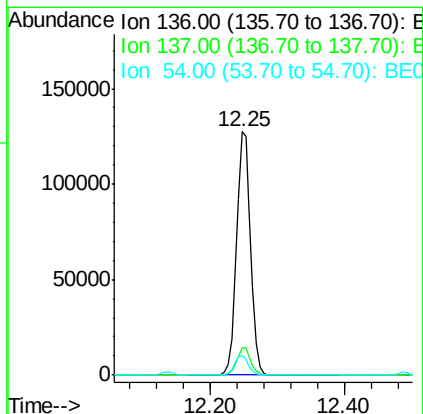
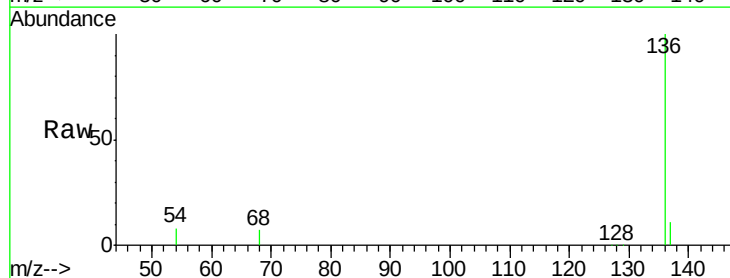
Tot Ion: 42 Resp: 63324
 Ion Ratio Lower Upper
 42 100
 74 135.8 114.2 171.4
 44 6.2 3.6 5.4#

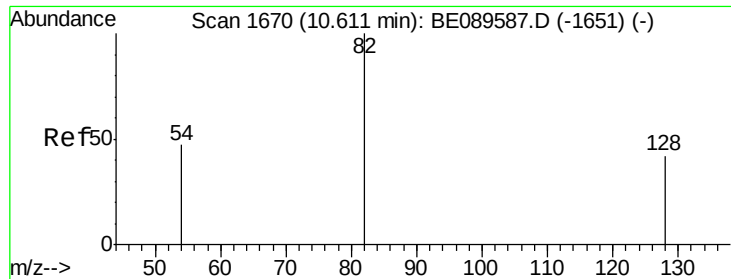


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: BE089584.D
 Acq: 17 Feb 2015 1:42

Tgt Ion: 136 Resp: 183510
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.7 13.1
 54 8.1 6.2 9.2





#5

Nitrobenzene-d5

Concen: 11.16 ng

RT: 10.61 min Scan# 1671

Delta R.T. 0.00 min

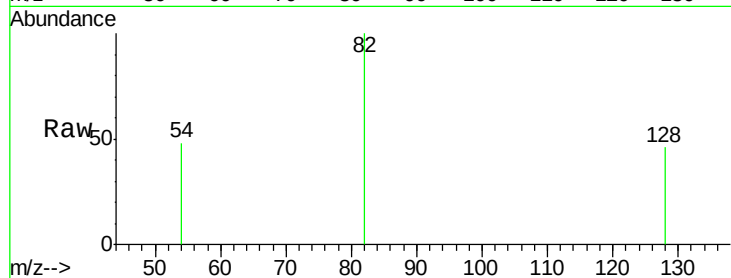
Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

Instrument :

BNA_E

ClientSampled :



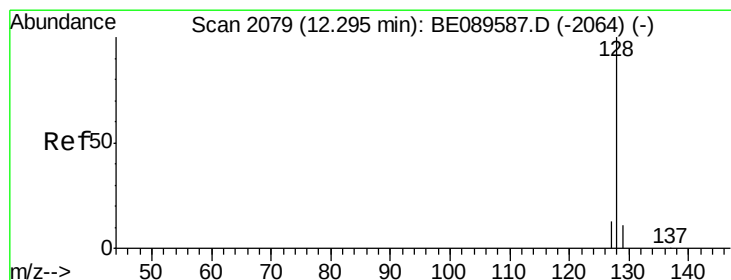
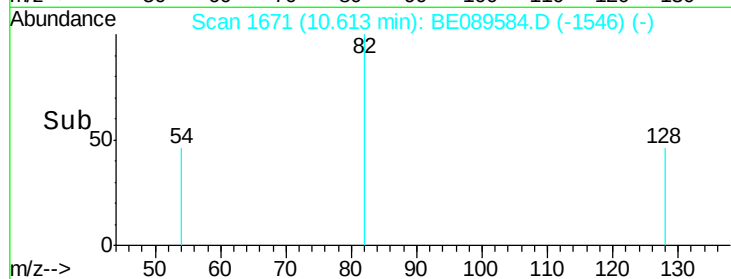
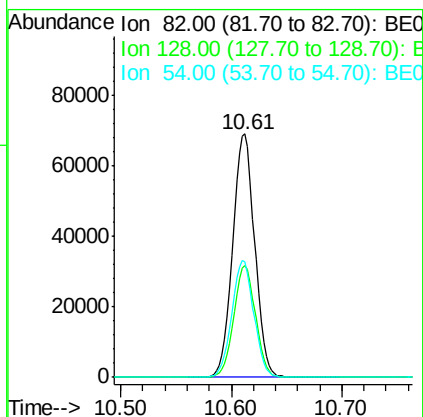
Tot Ion: 82 Resp: 92994

Ion Ratio Lower Upper

82 100

128 45.7 34.2 51.2

54 47.7 38.4 57.6



#6

Naphthalene

Concen: 8.55 ng

RT: 12.29 min Scan# 2079

Delta R.T. 0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

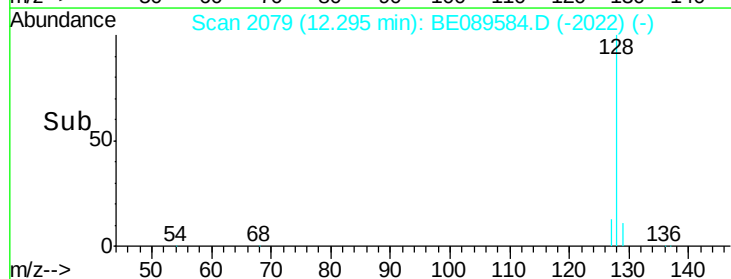
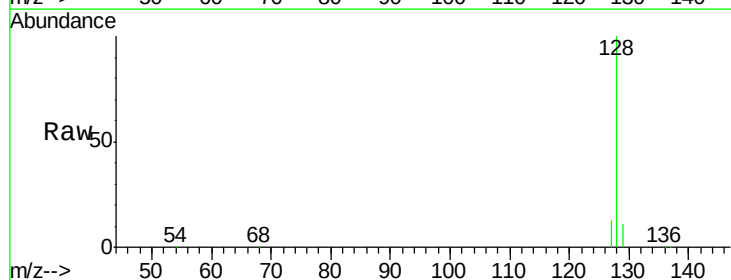
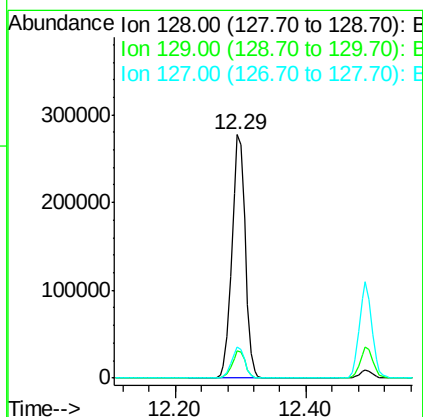
Tgt Ion: 128 Resp: 393957

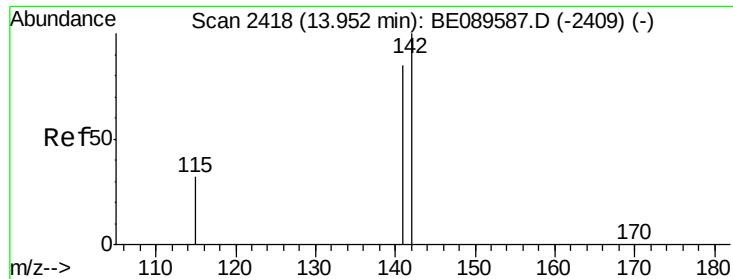
Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.0 10.2 15.4





#7

2-Methylnaphthalene

Concen: 8.64 ng

RT: 13.95 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

Instrument :

BNA_E

ClientSampleId :

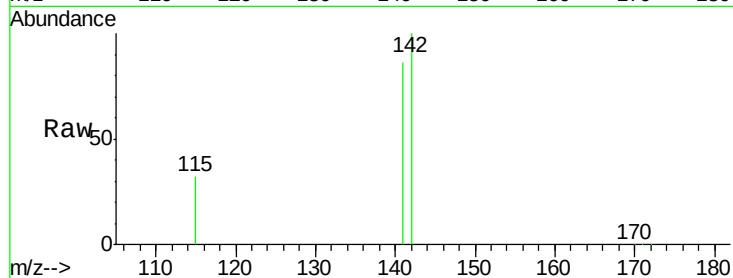
Tot Ion:142 Resp: 256406

Ion Ratio Lower Upper

142 100

141 85.6 68.1 102.1

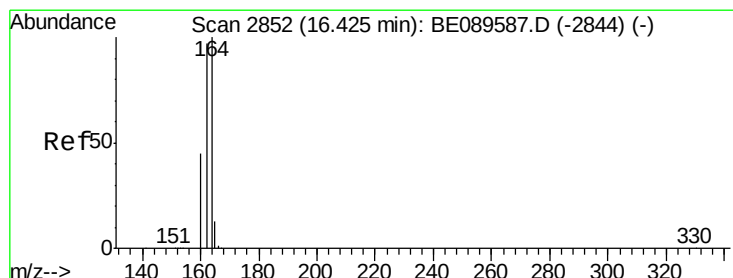
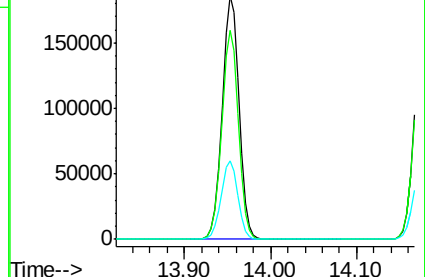
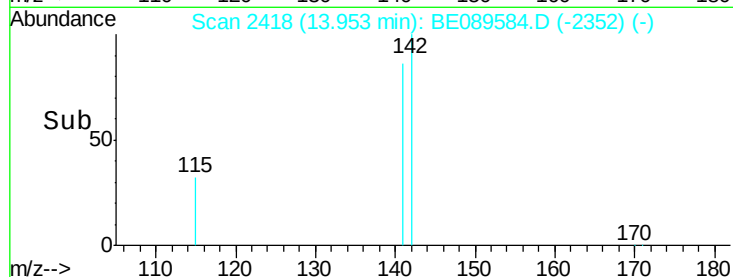
115 32.4 25.8 38.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

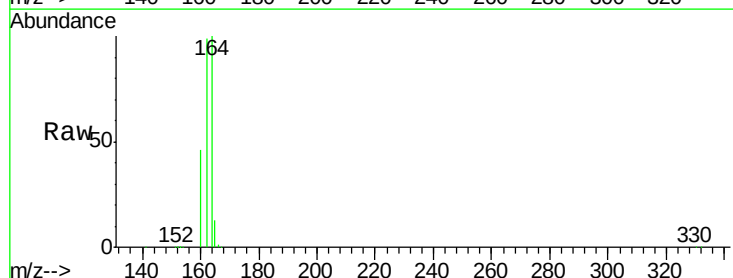
Tgt Ion:164 Resp: 89859

Ion Ratio Lower Upper

164 100

162 99.3 77.8 116.8

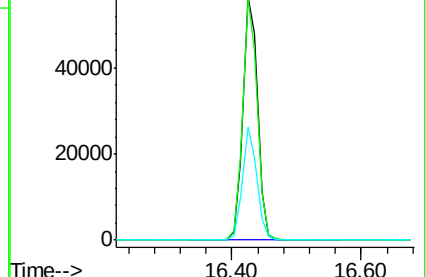
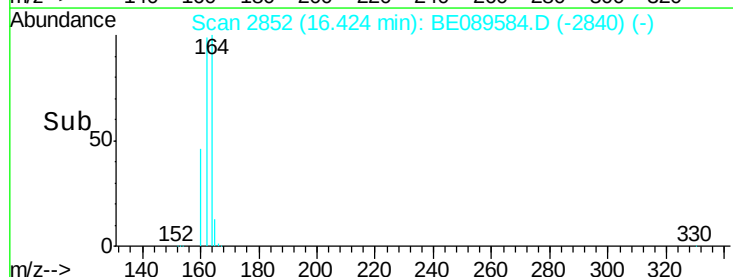
160 46.2 35.8 53.6

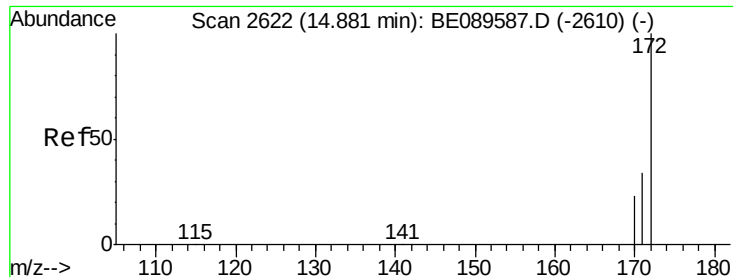


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

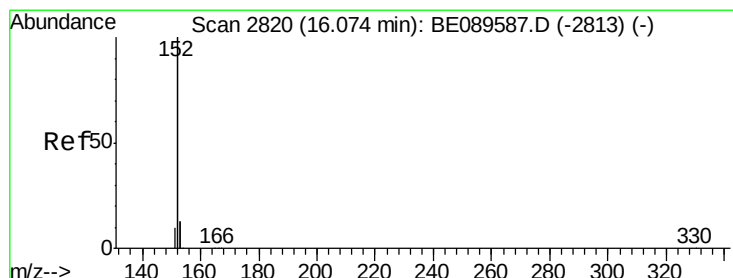
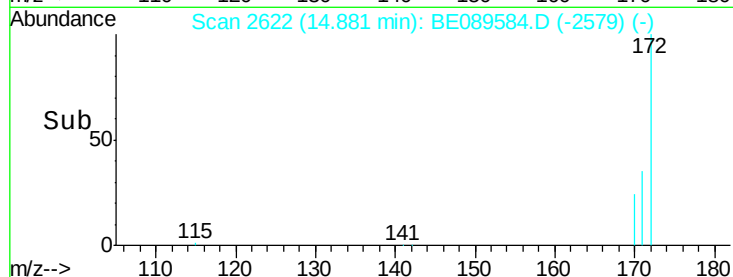
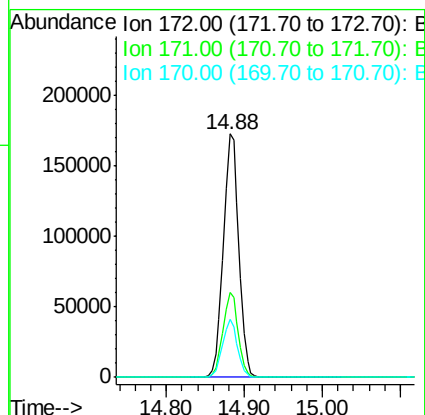
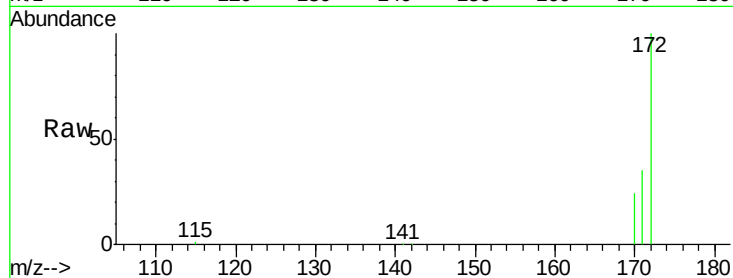




#9
2-Fluorobiphenyl
Concen: 8.25 ng
RT: 14.88 min Scan# 2622
Delta R.T. 0.00 min
Lab File: BE089584.D
Acq: 17 Feb 2015 1:42

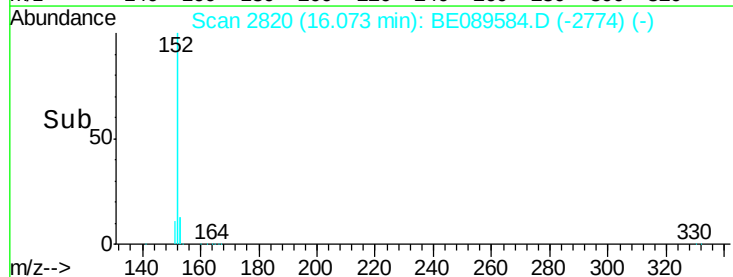
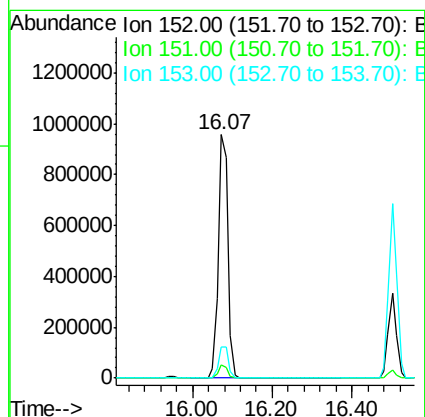
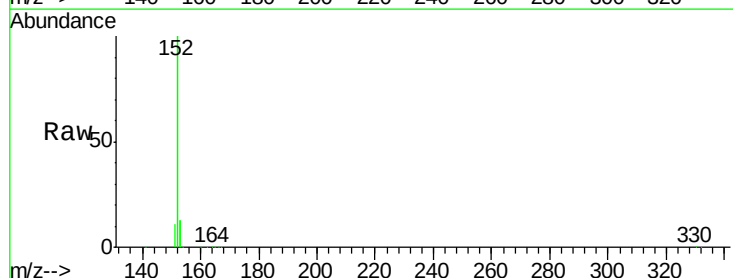
Instrument :
BNA_E
ClientSampleId :

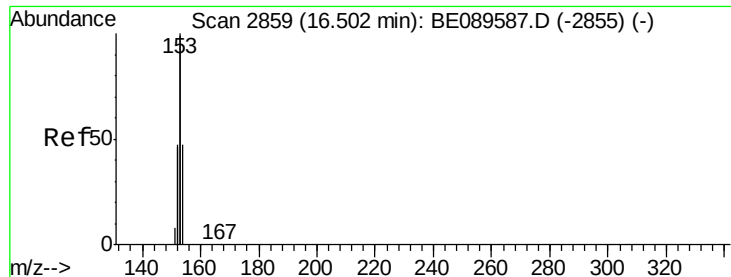
Tot Ion:172 Resp: 236244
Ion Ratio Lower Upper
172 100
171 35.1 27.4 41.0
170 23.7 18.6 27.8



#10
Acenaphthylene
Concen: 9.09 ng
RT: 16.07 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE089584.D
Acq: 17 Feb 2015 1:42

Tgt Ion:152 Resp: 1561376
Ion Ratio Lower Upper
152 100
151 5.0 3.8 5.8
153 13.2 10.4 15.6





#11

Acenaphthene

Concen: 8.23 ng

RT: 16.50 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

Instrument :

BNA_E

ClientSampleId :

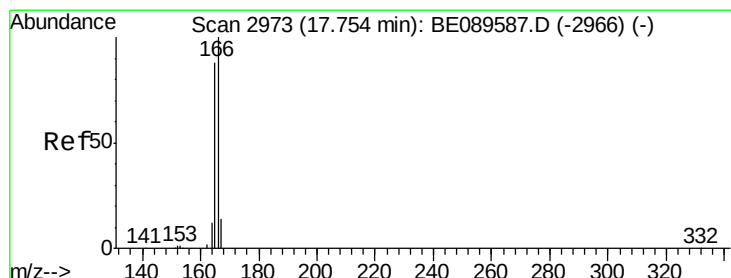
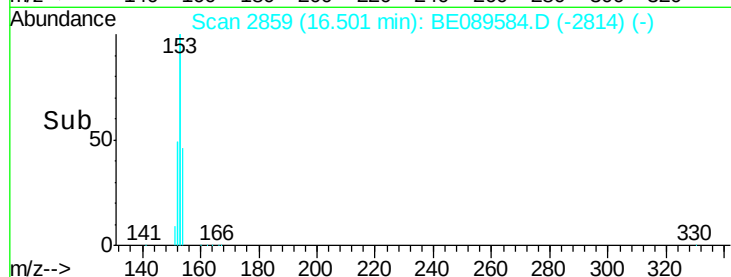
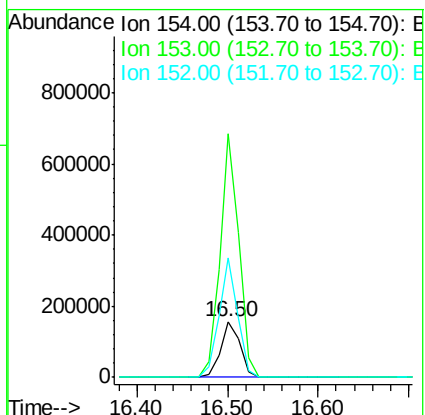
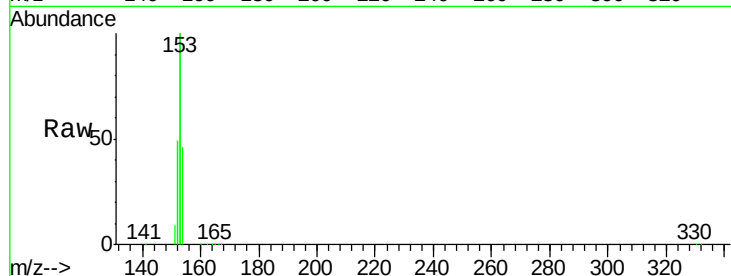
Tot Ion:154 Resp: 230808

Ion Ratio Lower Upper

154 100

153 429.0 346.6 519.8

152 207.8 169.0 253.6



#12

Fluorene

Concen: 8.65 ng

RT: 17.75 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

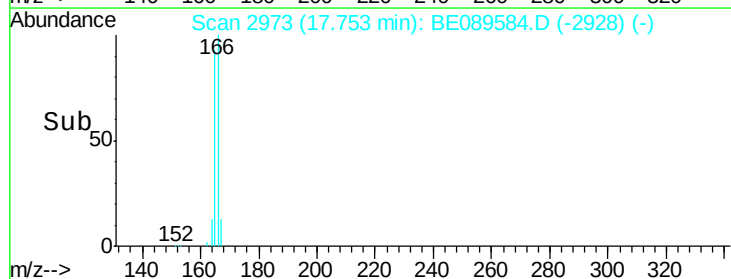
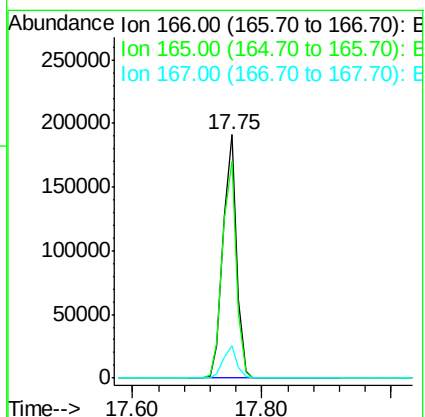
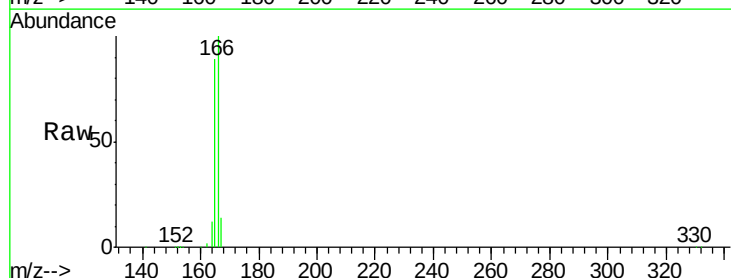
Tgt Ion:166 Resp: 271750

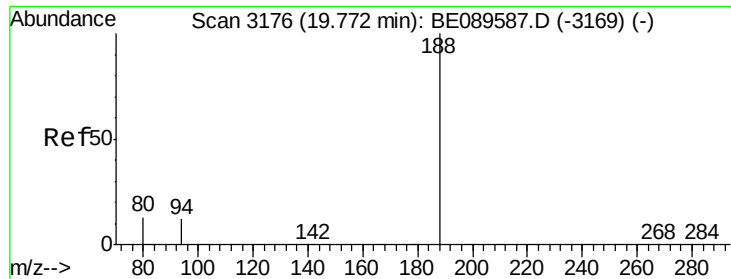
Ion Ratio Lower Upper

166 100

165 92.1 73.8 110.6

167 13.4 10.6 15.8

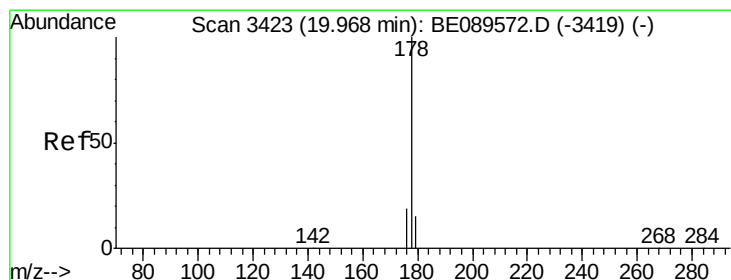
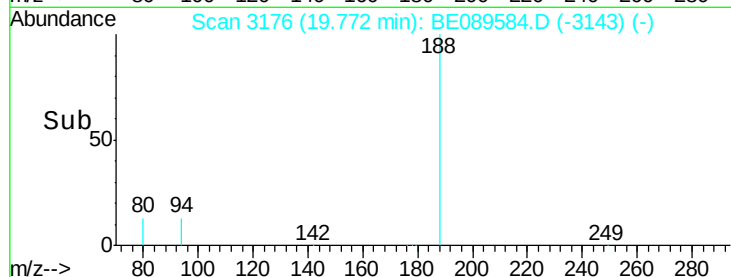
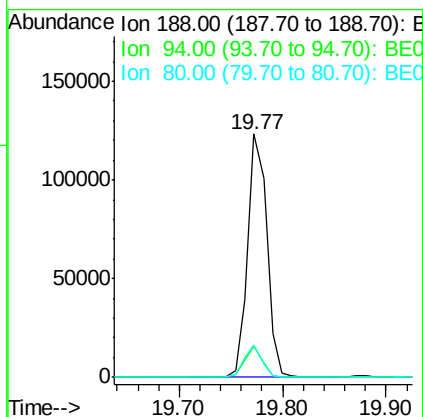
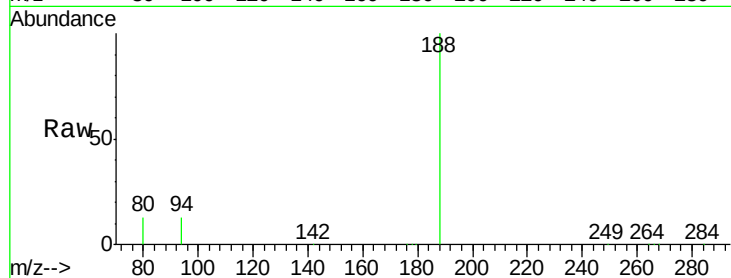




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.00 min
Lab File: BE089584.D
Acq: 17 Feb 2015 1:42

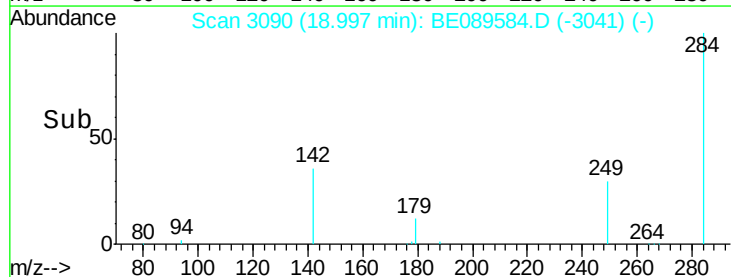
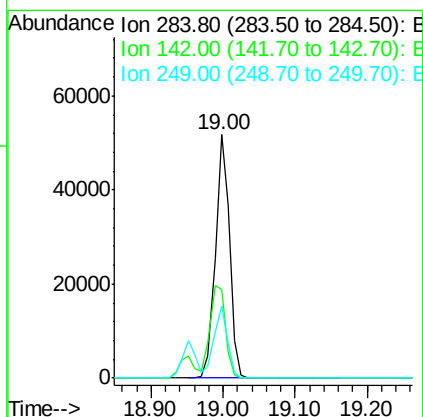
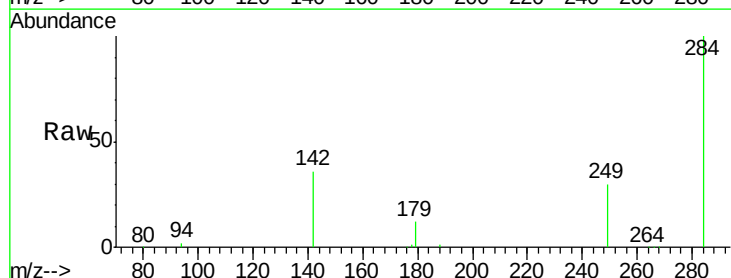
Instrument :
BNA_E
ClientSampleId :

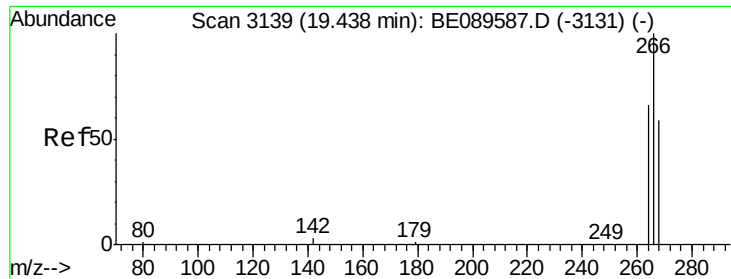
Tot Ion:188 Resp: 158341
Ion Ratio Lower Upper
188 100
94 12.7 9.8 14.8
80 13.2 10.2 15.4



#14
Hexachlorobenzene
Concen: 7.78 ng
RT: 19.00 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BE089584.D
Acq: 17 Feb 2015 1:42

Tgt Ion:284 Resp: 69020
Ion Ratio Lower Upper
284 100
142 40.5 33.1 49.7
249 28.4 22.8 34.2

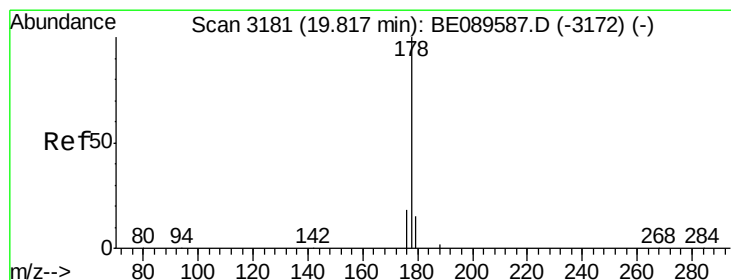
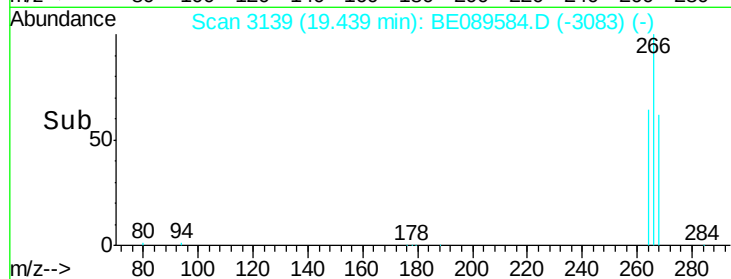
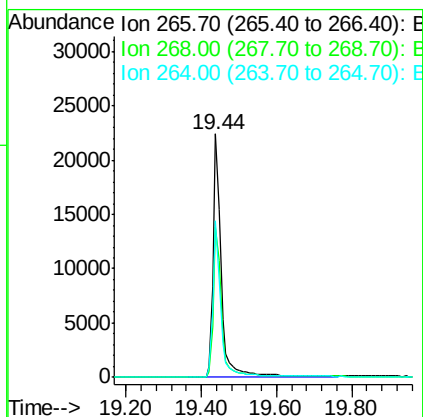
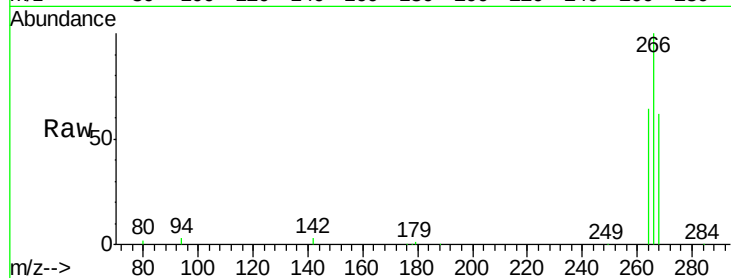




#15
 Pentachlorophenol
 Concen: 12.99 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.00 min
 Lab File: BE089584.D
 Acq: 17 Feb 2015 1:42

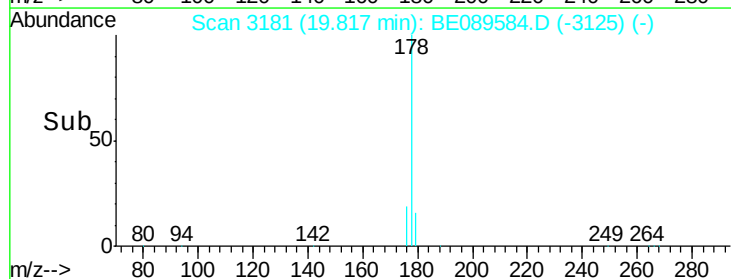
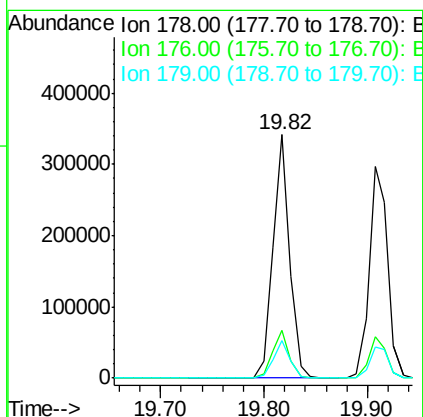
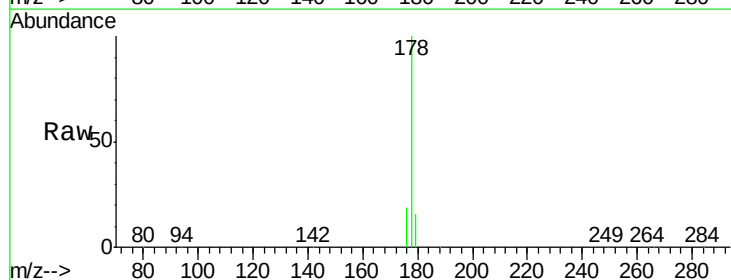
Instrument :
 BNA_E
 ClientSampleId :

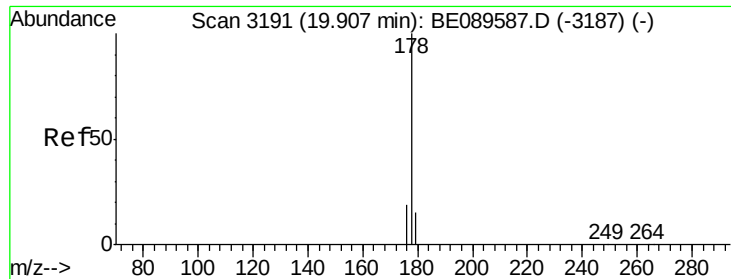
Tot Ion:266 Resp: 34055
 Ion Ratio Lower Upper
 266 100
 268 61.9 48.8 73.2
 264 64.4 53.9 80.9



#16
 Phenanthrene
 Concen: 8.10 ng
 RT: 19.82 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: BE089584.D
 Acq: 17 Feb 2015 1:42

Tgt Ion:178 Resp: 385285
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.2 22.8
 179 15.5 12.4 18.6

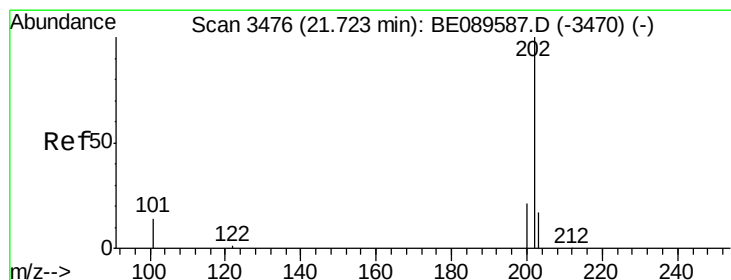
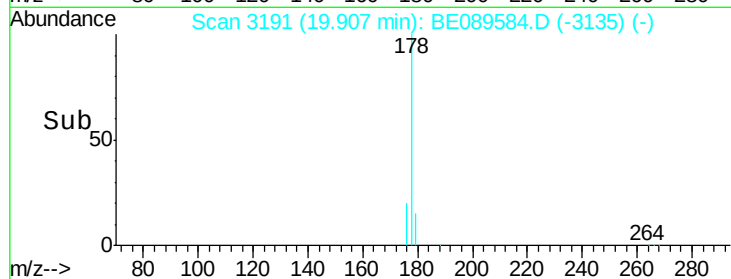
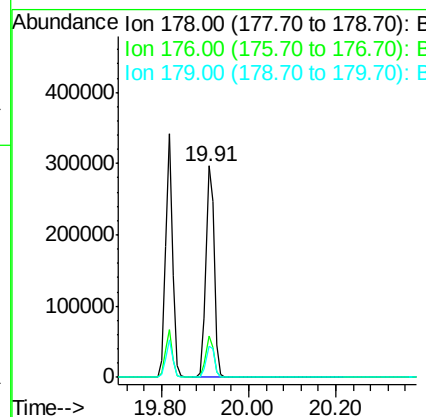
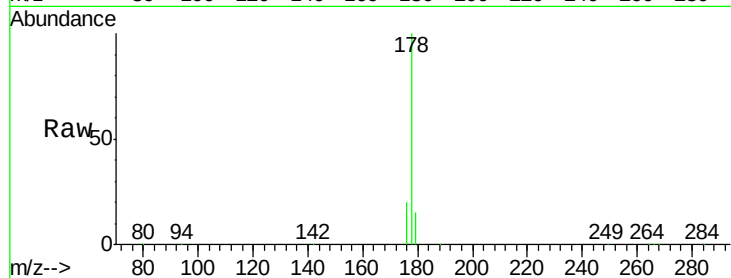




#17
 Anthracene
 Concen: 9.52 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. 0.00 min
 Lab File: BE089584.D
 Acq: 17 Feb 2015 1:42

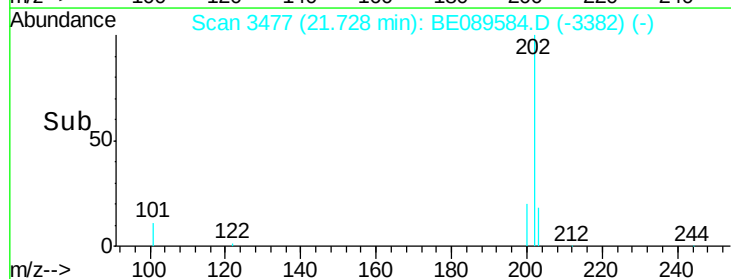
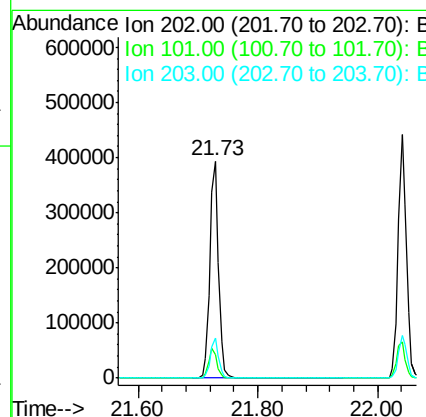
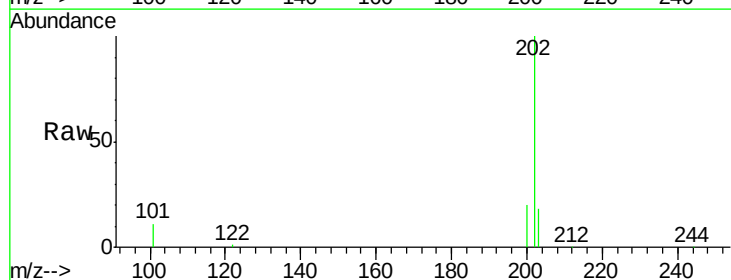
Instrument :
 BNA_E
 ClientSampleId :

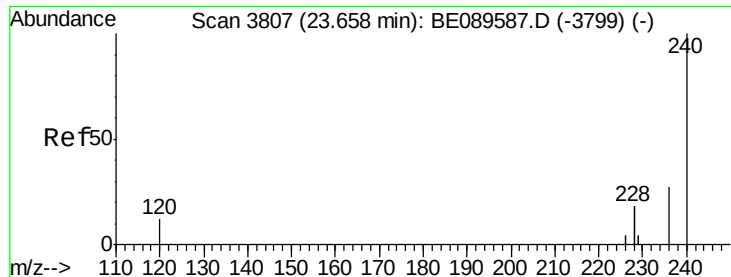
Tot Ion:178 Resp: 371542
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.7 22.1
 179 15.6 12.2 18.2



#18
 Fluoranthene
 Concen: 9.81 ng
 RT: 21.73 min Scan# 3477
 Delta R.T. 0.01 min
 Lab File: BE089584.D
 Acq: 17 Feb 2015 1:42

Tgt Ion:202 Resp: 390358
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.3 15.5
 203 17.8 13.8 20.6





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3808

Delta R.T. 0.01 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

Instrument :

BNA_E

ClientSampleId :

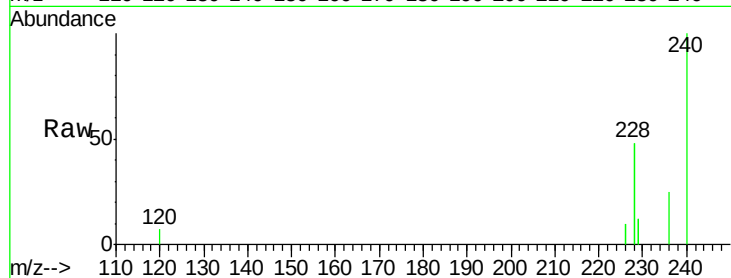
Tot Ion:240 Resp: 154653

Ion Ratio Lower Upper

240 100

120 7.5 9.9 14.9#

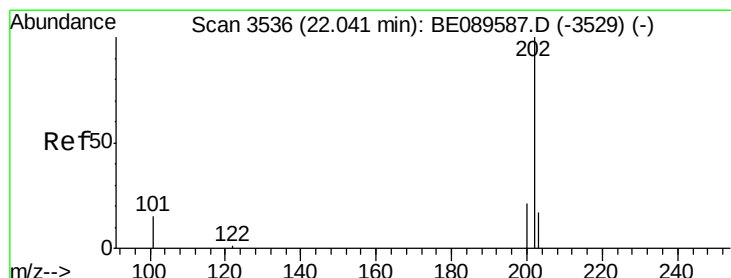
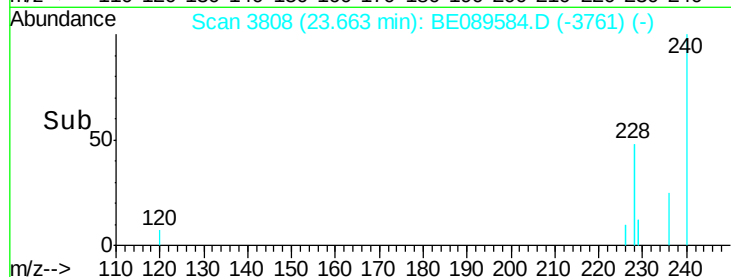
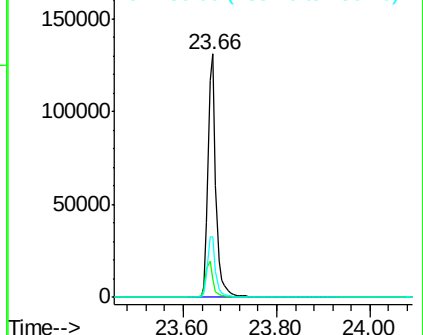
236 25.0 21.5 32.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 8.56 ng

RT: 22.04 min Scan# 3536

Delta R.T. 0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

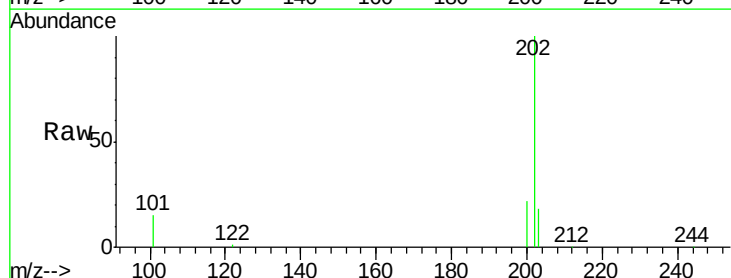
Tgt Ion:202 Resp: 421227

Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

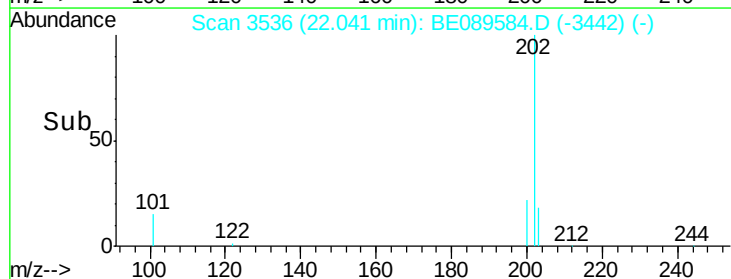
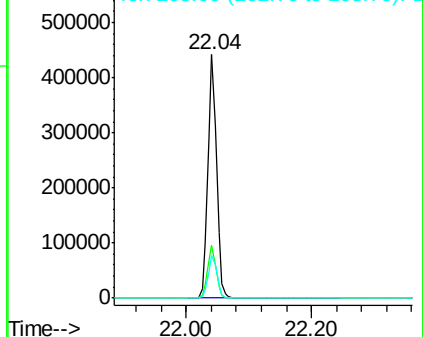
203 17.8 13.8 20.8

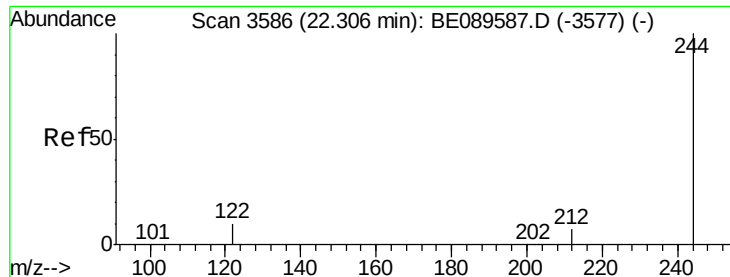


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 8.13 ng

RT: 22.31 min Scan# 3586

Delta R.T. 0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

Instrument :

BNA_E

ClientSampleId :

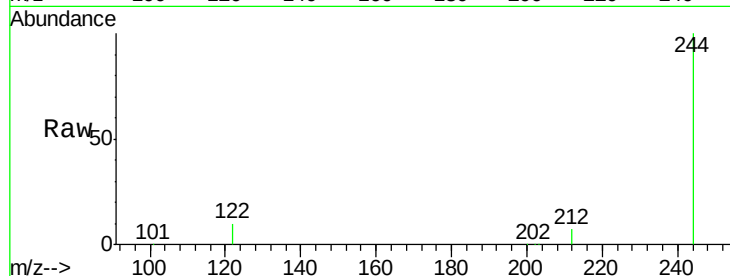
Tot Ion:244 Resp: 235063

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

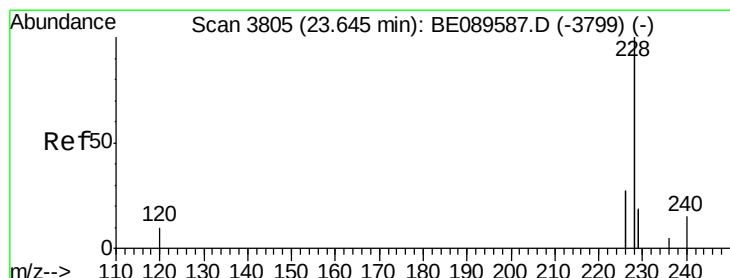
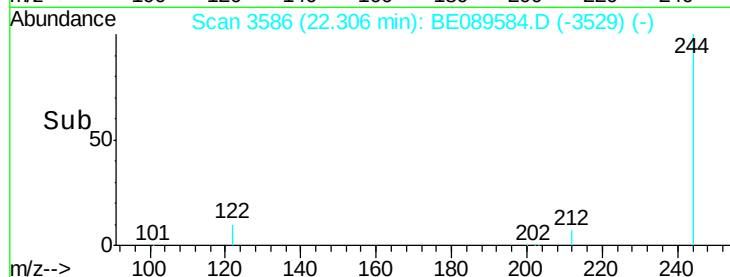
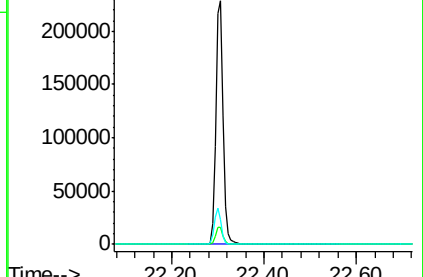
122 10.0 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 9.32 ng

RT: 23.64 min Scan# 3805

Delta R.T. -0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

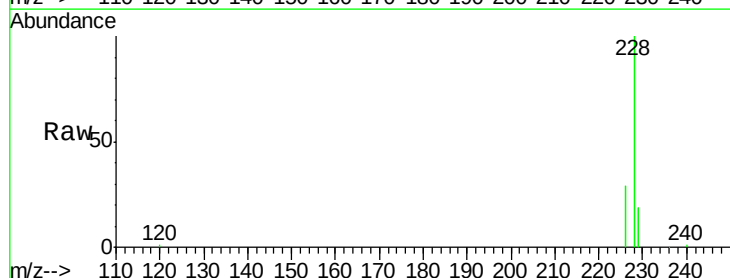
Tgt Ion:228 Resp: 1489774

Ion Ratio Lower Upper

228 100

226 28.6 21.5 32.3

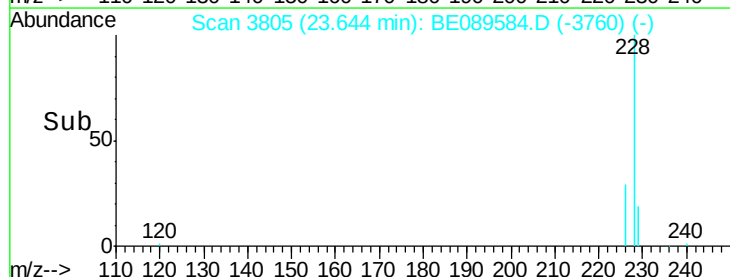
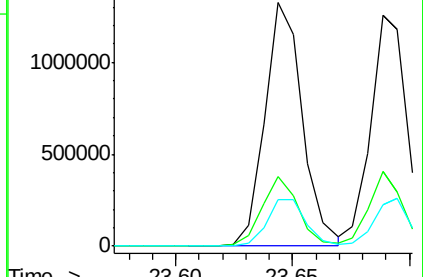
229 18.9 15.0 22.4

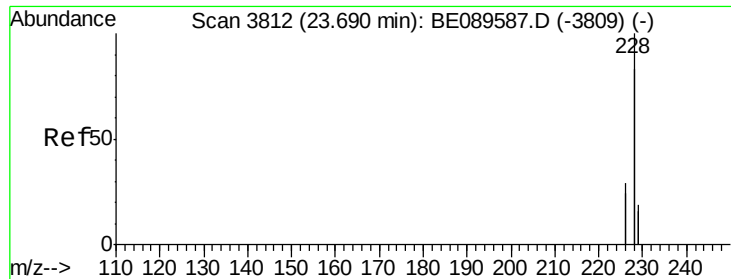


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 7.75 ng

RT: 23.69 min Scan# 3812

Delta R.T. -0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

Instrument :

BNA_E

ClientSampleId :

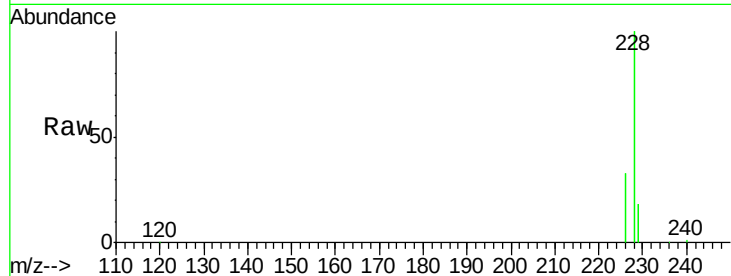
Tot Ion:228 Resp: 1457516

Ion Ratio Lower Upper

228 100

226 32.5 23.3 34.9

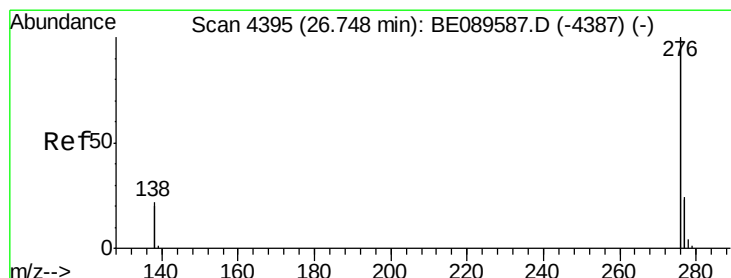
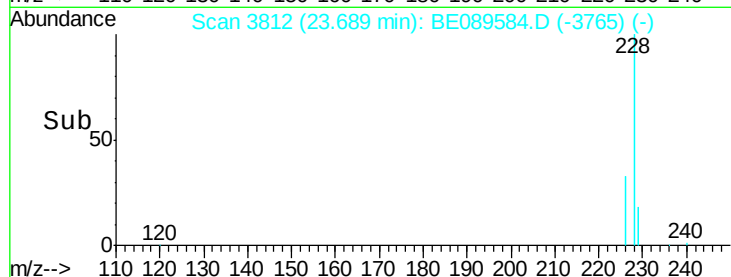
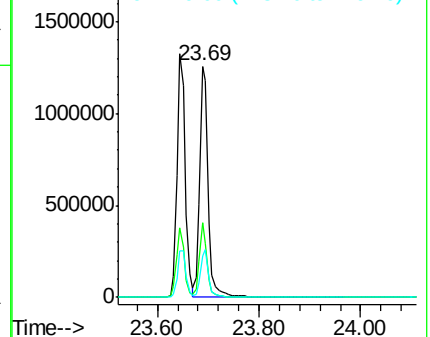
229 18.0 15.4 23.2



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 10.94 ng

RT: 26.76 min Scan# 4397

Delta R.T. 0.01 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

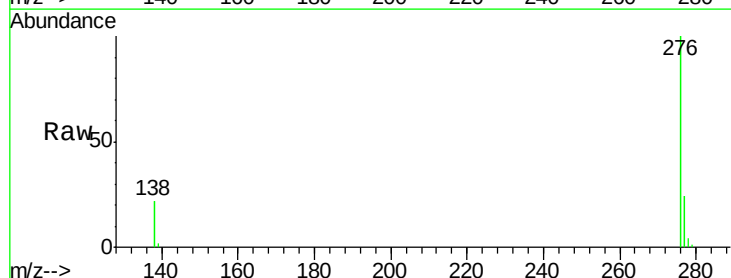
Tgt Ion:276 Resp: 1509389

Ion Ratio Lower Upper

276 100

138 27.0 21.0 31.6

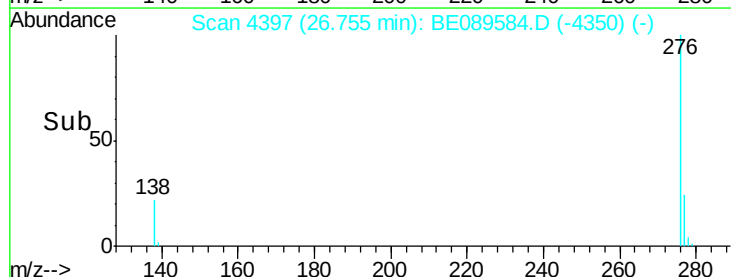
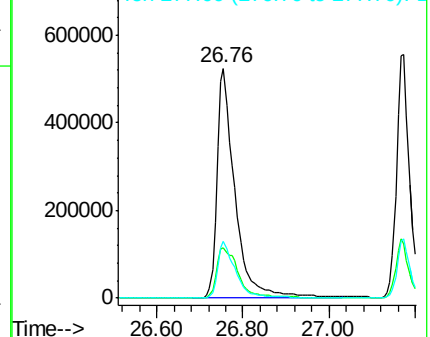
277 25.2 20.0 30.0

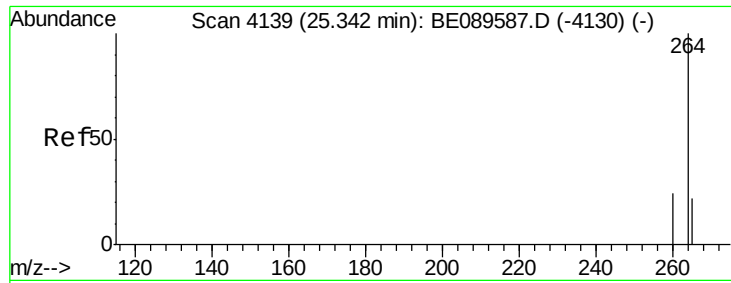


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

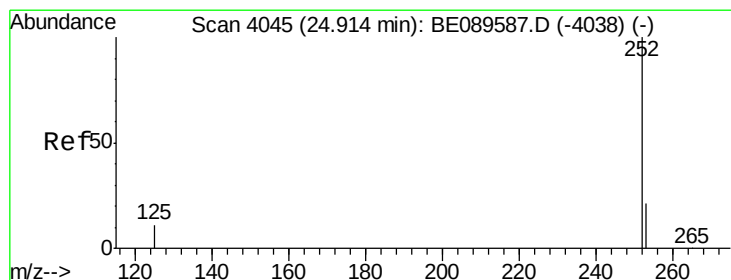
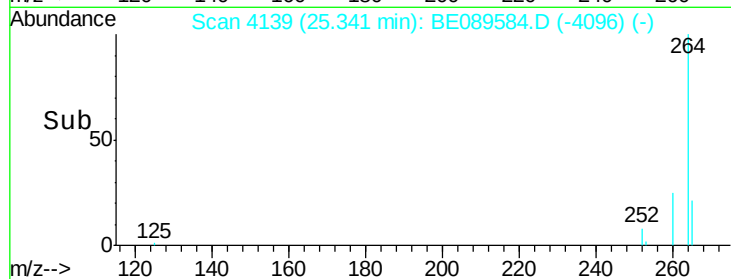
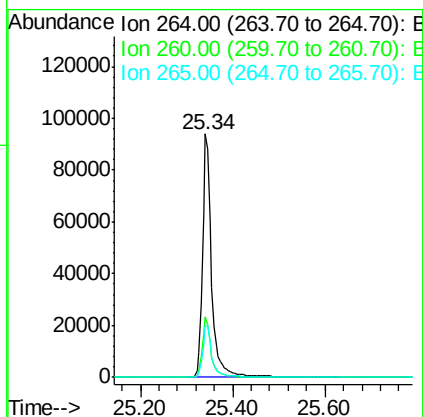
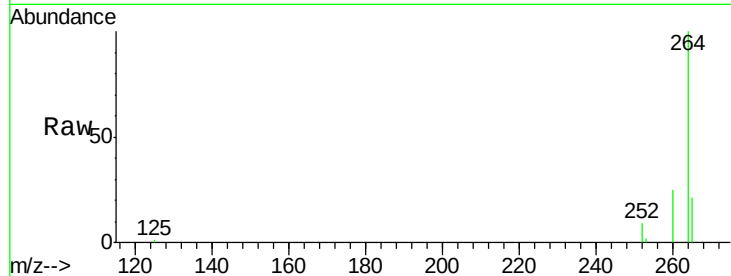




#25
Pervlene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4139
Delta R.T. -0.00 min
Lab File: BE089584.D
Acq: 17 Feb 2015 1:42

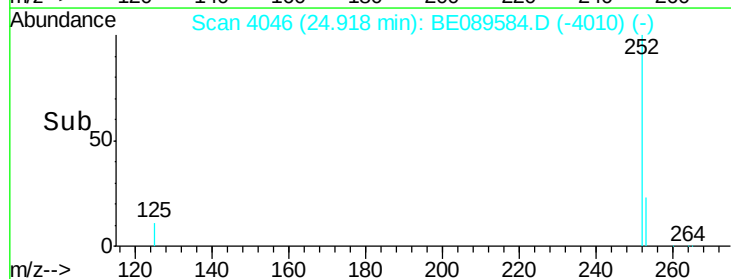
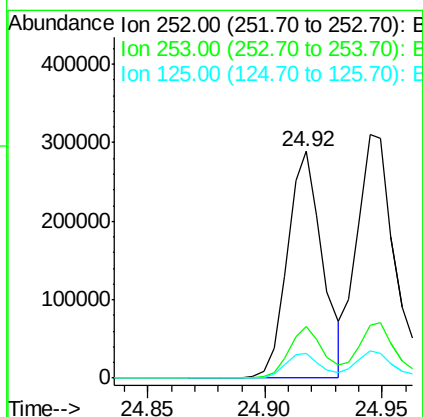
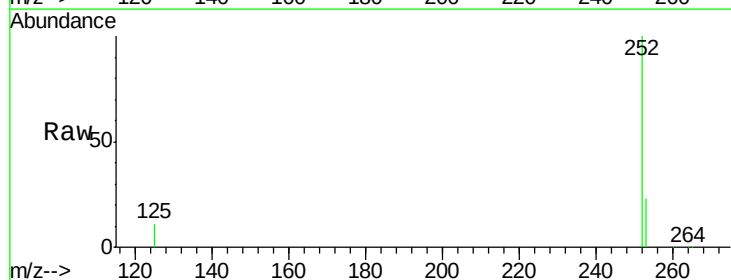
Instrument :
BNA_E
ClientSampleId :

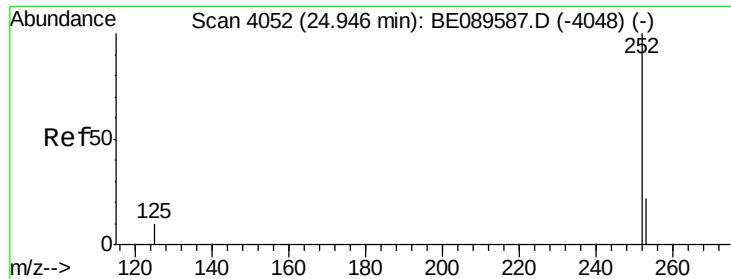
Tot Ion:264 Resp: 126335
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.0
265 21.2 17.4 26.0



#26
Benzo(b)fluoranthene
Concen: 11.85 ng
RT: 24.92 min Scan# 4046
Delta R.T. 0.00 min
Lab File: BE089584.D
Acq: 17 Feb 2015 1:42

Tgt Ion:252 Resp: 302864
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 10.7 8.9 13.3





#27

Benzo(k)fluoranthene

Concen: 9.25 ng

RT: 24.94 min Scan# 4052

Delta R.T. -0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

Instrument :

BNA_E

ClientSampleId :

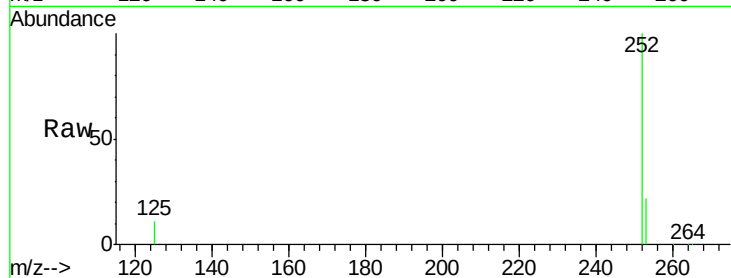
Tot Ion:252 Resp: 387264

Ion Ratio Lower Upper

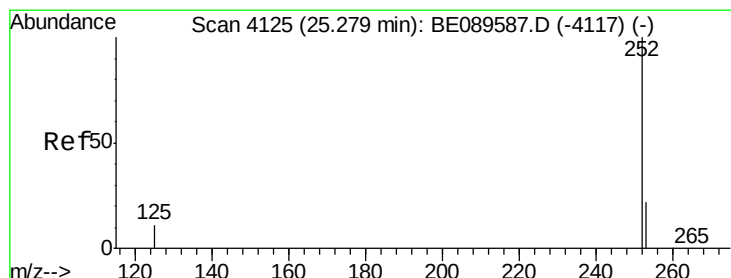
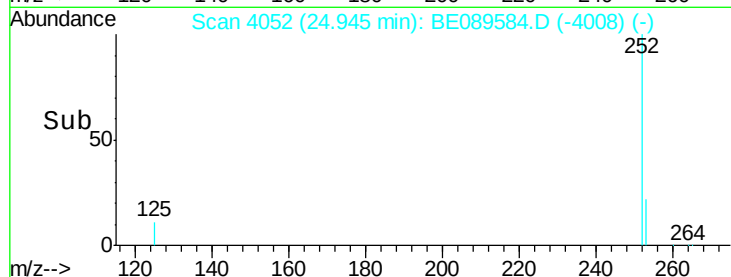
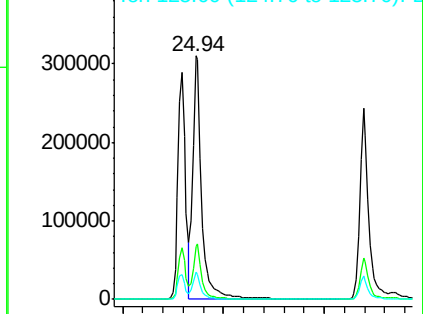
252 100

253 21.5 17.9 26.9

125 11.4 8.6 13.0



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



#28

Benzo(a)pyrene

Concen: 11.79 ng

RT: 25.28 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BE089584.D

Acq: 17 Feb 2015 1:42

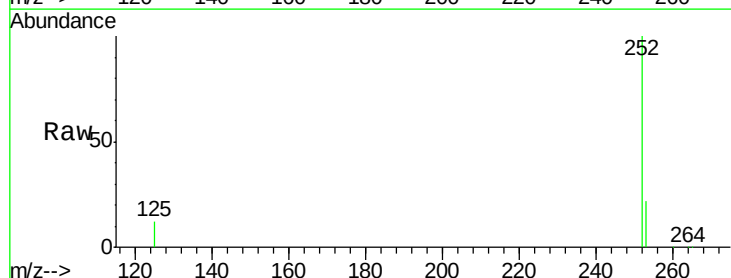
Tgt Ion:252 Resp: 292201

Ion Ratio Lower Upper

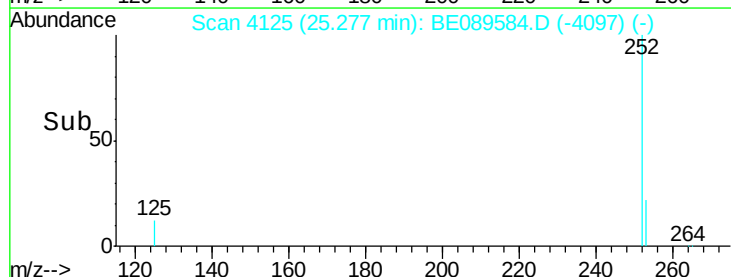
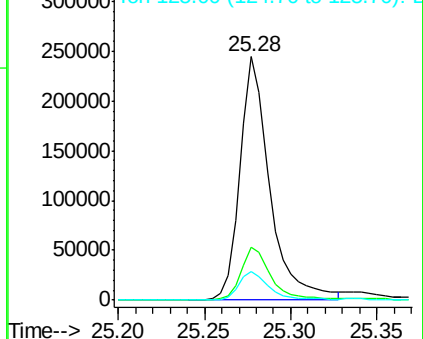
252 100

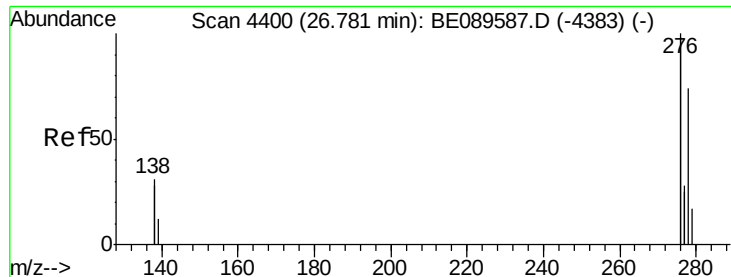
253 21.9 17.7 26.5

125 12.0 9.6 14.4



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



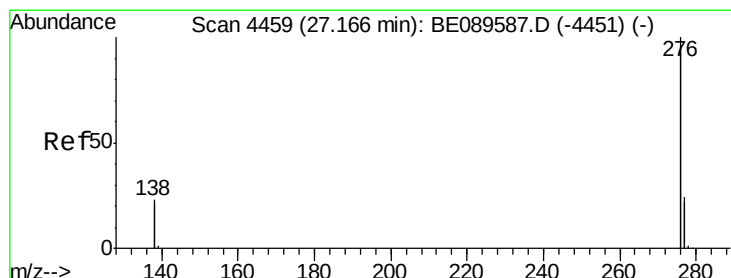
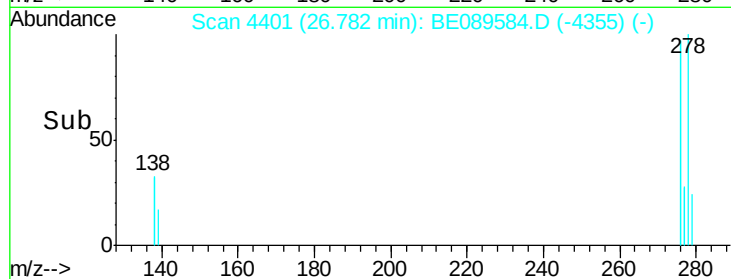
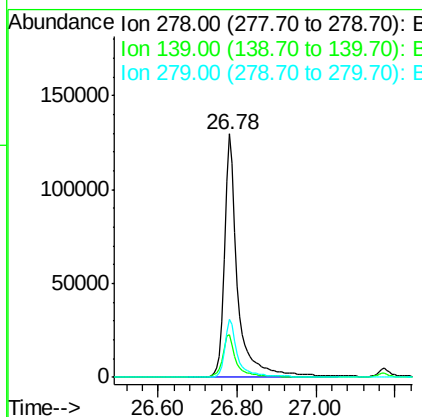
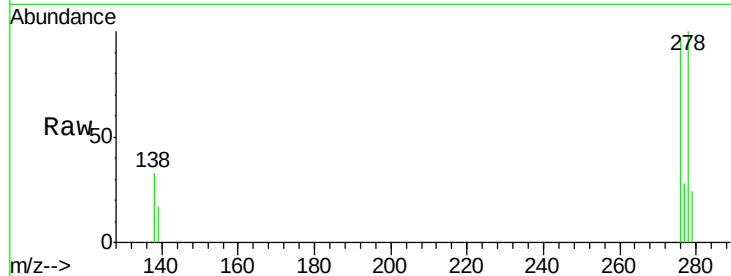


#29
Dibenzo(a,h)anthracene
Concen: 11.95 ng
RT: 26.78 min Scan# 4401
Delta R.T. 0.00 min
Lab File: BE089584.D
Acq: 17 Feb 2015 1:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 302504

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.9	20.9
279	24.0	19.5	29.3



#30
Benzo(g,h,i)perylene
Concen: 10.16 ng
RT: 27.17 min Scan# 4461
Delta R.T. 0.01 min
Lab File: BE089584.D
Acq: 17 Feb 2015 1:42

Tgt Ion:276 Resp: 1256920

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	22.1	18.5	27.7

