

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BE089448.D
 Acq On : 30 Jan 2015 21:18
 Operator : TP/IZ
 Sample : G1150-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FB

Quant Time: Feb 02 00:18:53 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 31 05:05:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	81087	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	349429	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	177850	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	290914	5.00	ng	0.00
16) Chrysene-d12	23.84	240	246649	5.00	ng	0.00
22) Perylene-d12	25.55	264	213948	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	157711	6.82	ng	0.00
7) 2-Fluorobiphenyl	15.13	172	270404	5.77	ng	0.00
18) Terphenyl-d14	22.48	244	260238	7.05	ng	0.00

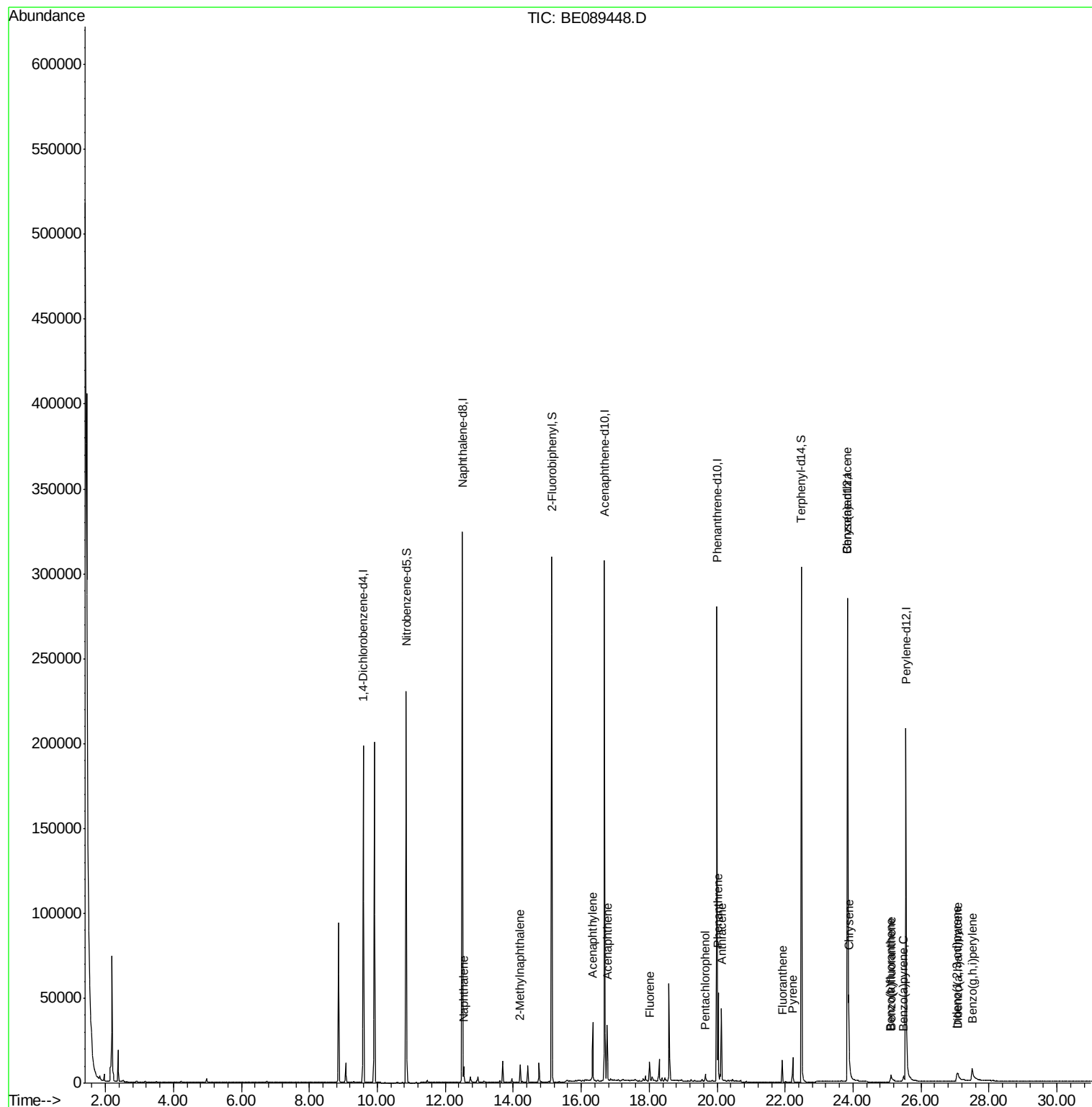
Target Compounds					Qvalue	
4) Naphthalene	12.55	128	10099	0.12	ng	98
5) 2-Methylnaphthalene	14.20	142	6586	0.13	ng	94
8) Acenaphthylene	16.34	152	41977	0.13	ng	99
9) Acenaphthene	16.76	154	6694	0.14	ng	97
10) Fluorene	18.02	166	7493	0.14	ng	99
12) Pentachlorophenol	19.66	266	2625	1.81	ng	90
13) Phenanthrene	20.03	178	47739	0.17	ng	99
14) Anthracene	20.12	178	41060	0.16	ng	99
15) Fluoranthene	21.91	202	10147	0.16	ng	99
17) Pyrene	22.22	202	10666	0.16	ng	99
19) Benzo(a)anthracene	23.83	228	31668	0.15	ng	99
20) Chrysene	23.87	228	42497	0.18	ng	98
21) Indeno(1,2,3-cd)pyrene	27.06	276	18280	0.09	ng	# 88
23) Benzo(b)fluoranthene	25.10	252	3321	0.27	ng	# 91
24) Benzo(k)fluoranthene	25.13	252	8576	0.16	ng	# 93
25) Benzo(a)pyrene	25.48	252	4085	0.22	ng	# 86
26) Dibenzo(a,h)anthracene	27.08	278	2443	0.19	ng	# 87
27) Benzo(g,h,i)perylene	27.51	276	21023	0.12	ng	90

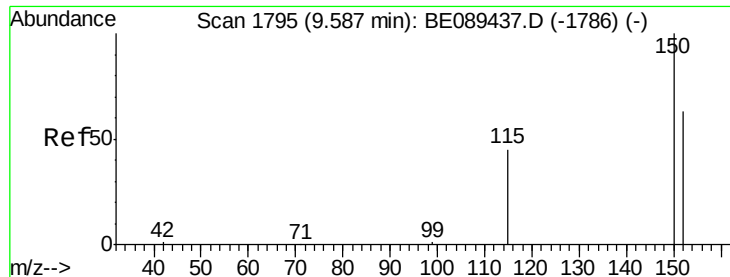
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.59 min Scan# 1795

Delta R.T. -0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

Instrument :

BNA_E

ClientSampleId :

FB

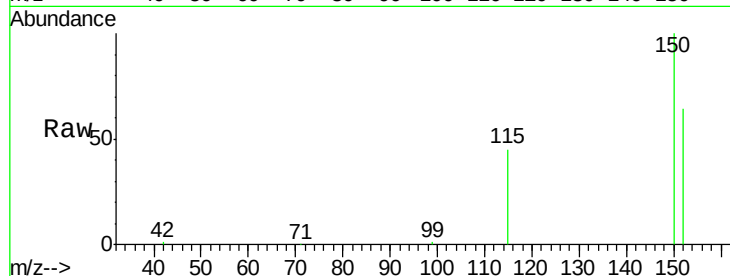
Tgt Ion:152 Resp: 81087

Ion Ratio Lower Upper

152 100

150 155.5 127.2 190.8

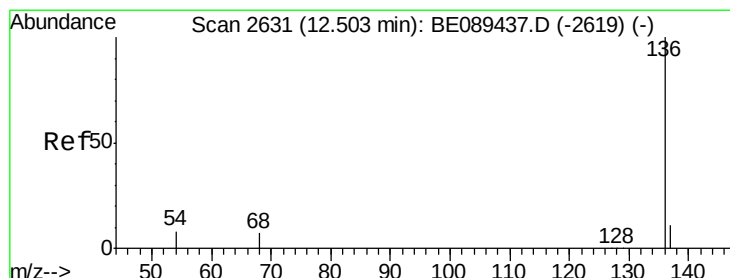
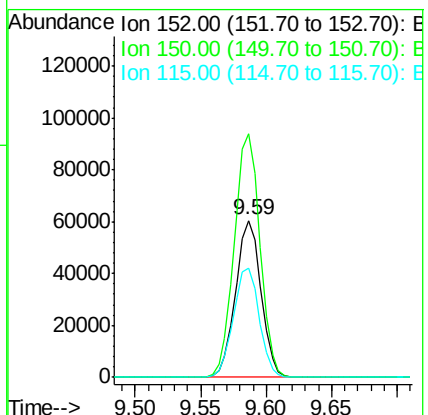
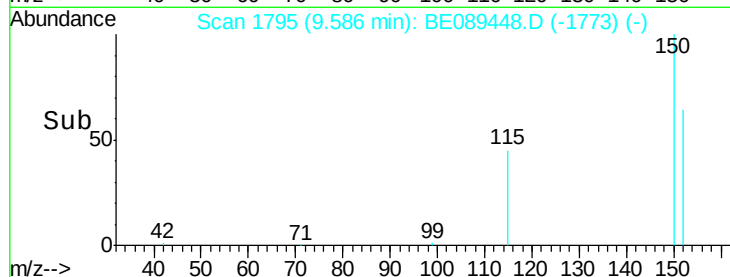
115 69.8 57.5 86.3



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

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 2630

Delta R.T. -0.01 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

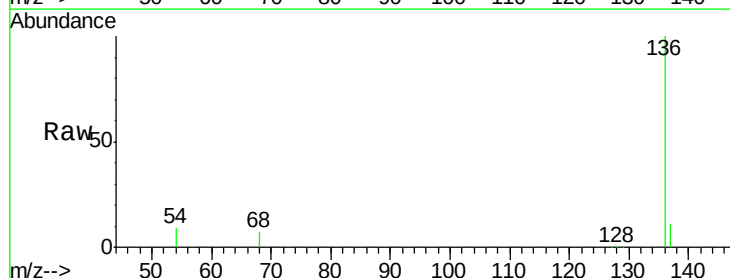
Tgt Ion:136 Resp: 349429

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

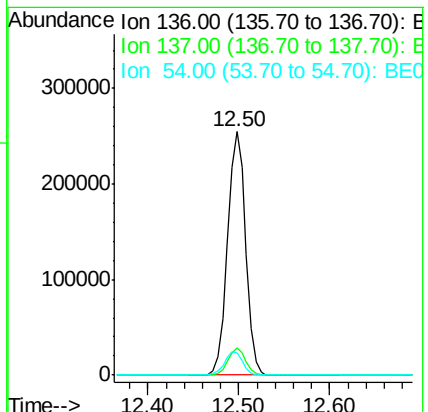
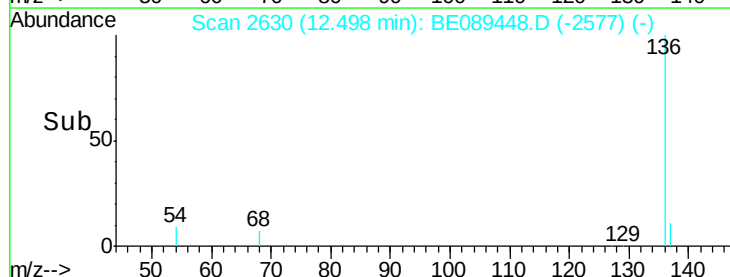
54 8.9 6.6 10.0

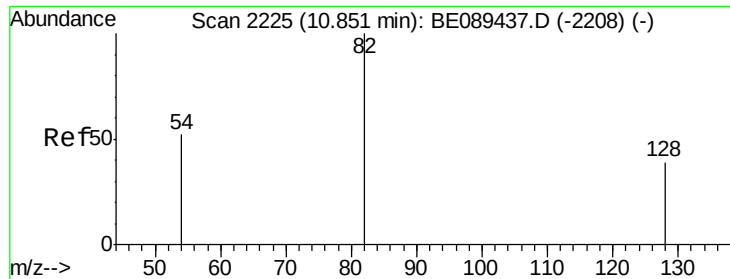


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 6.82 ng

RT: 10.85 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

Instrument :

BNA_E

ClientSampleId :

FB

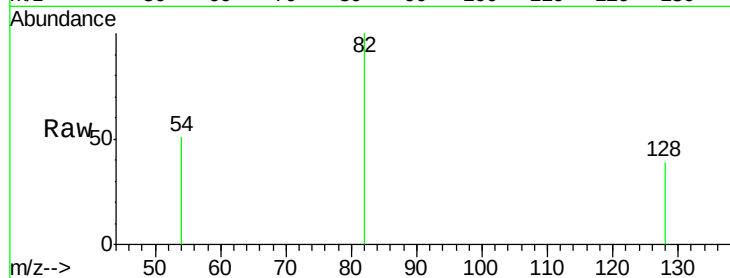
Tgt Ion: 82 Resp: 157711

Ion Ratio Lower Upper

82 100

128 39.2 31.2 46.8

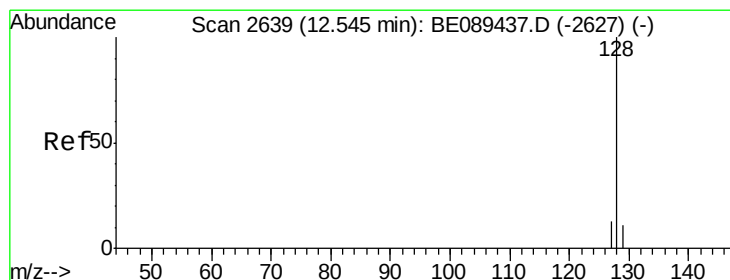
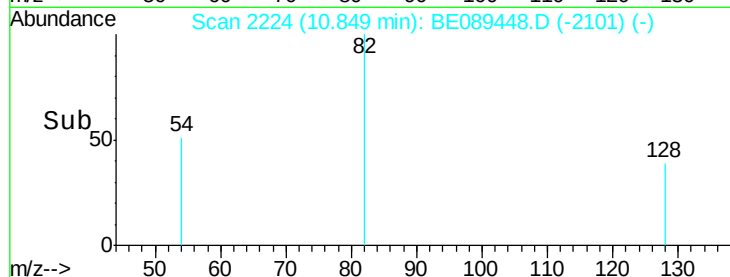
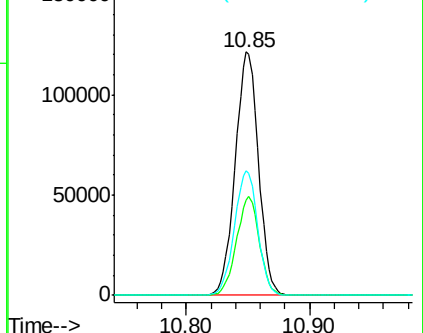
54 51.3 41.9 62.9



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#4

Naphthalene

Concen: 0.12 ng

RT: 12.55 min Scan# 2639

Delta R.T. 0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

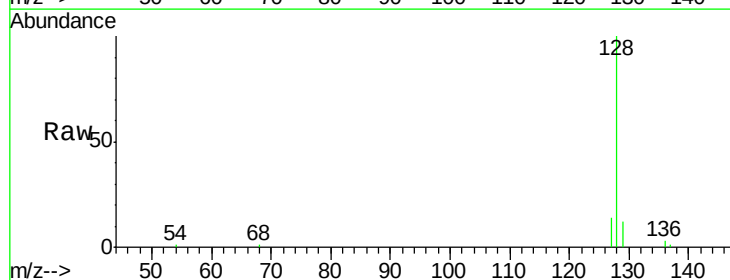
Tgt Ion: 128 Resp: 10099

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

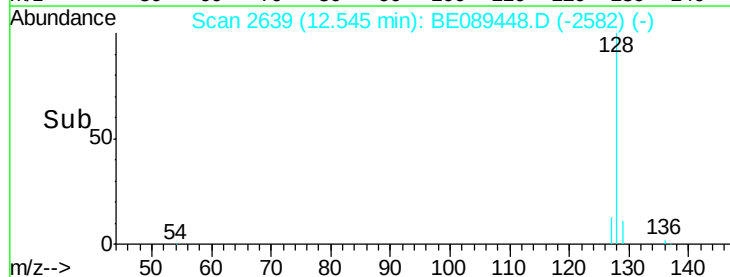
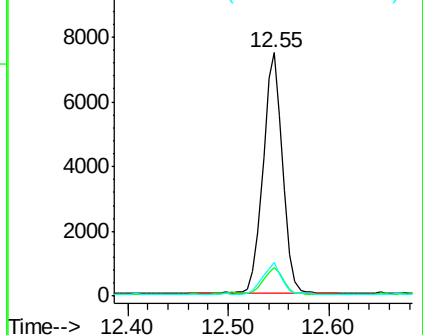
127 14.0 10.6 16.0

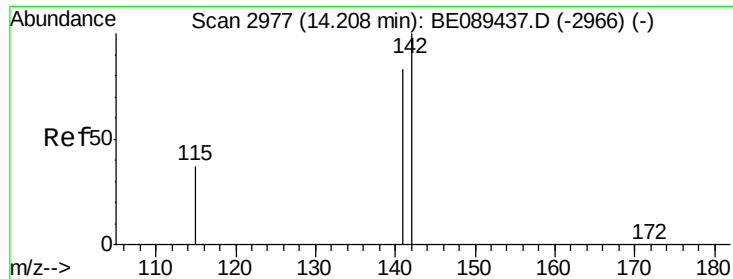


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.13 ng

RT: 14.20 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

Instrument :

BNA_E

ClientSampleId :

FB

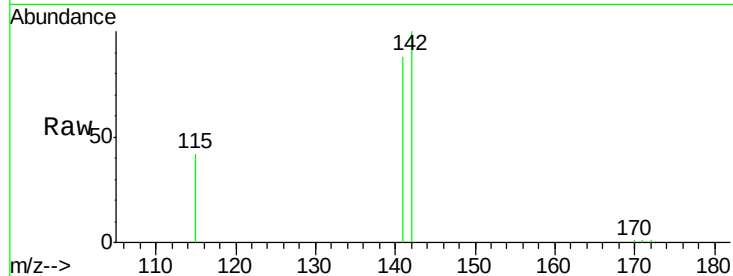
Tgt Ion:142 Resp: 6586

Ion Ratio Lower Upper

142 100

141 87.6 66.1 99.1

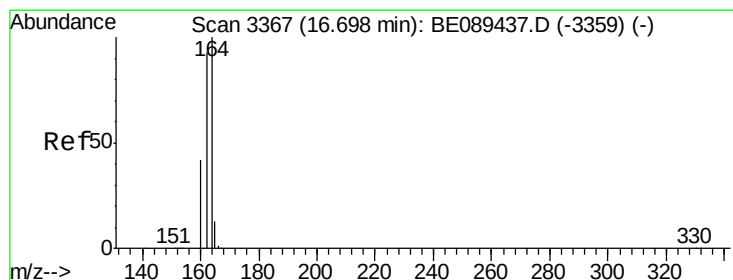
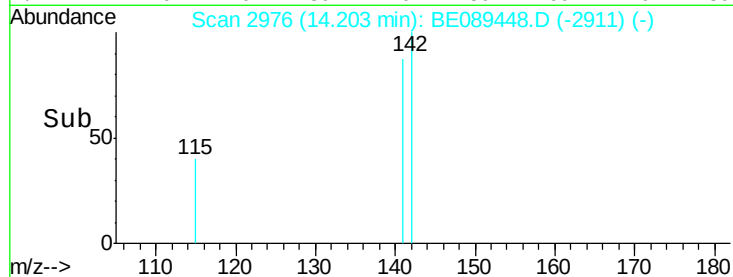
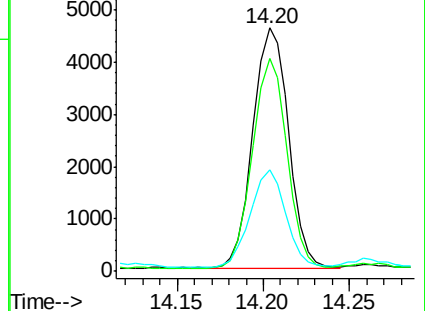
115 41.9 29.9 44.9



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



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.69 min Scan# 3366

Delta R.T. -0.01 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

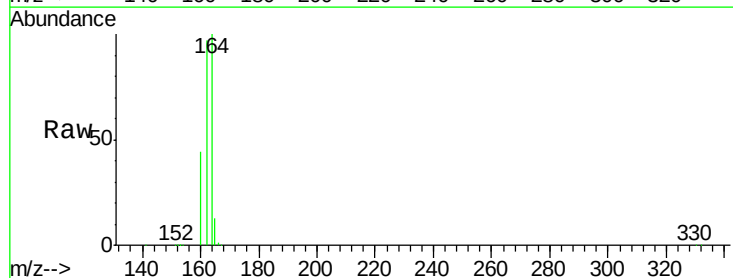
Tgt Ion:164 Resp: 177850

Ion Ratio Lower Upper

164 100

162 96.9 74.7 112.1

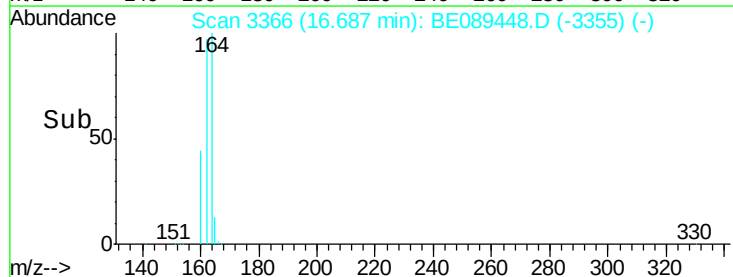
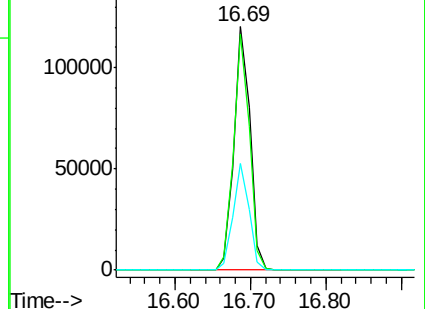
160 43.9 33.4 50.0

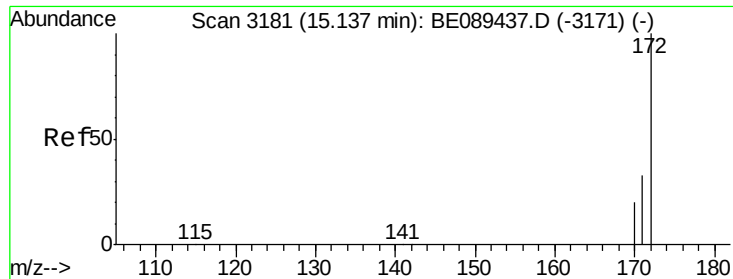


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 5.77 ng

RT: 15.13 min Scan# 3180

Delta R.T. -0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

Instrument :

BNA_E

ClientSampleId :

FB

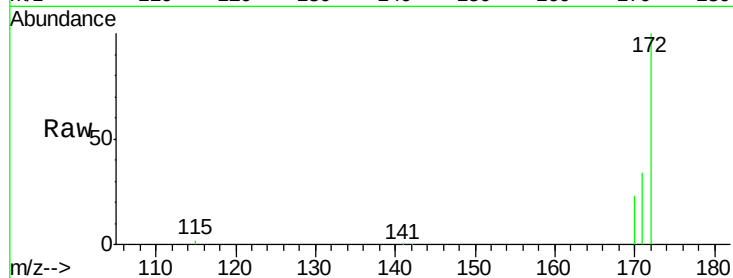
Tgt Ion:172 Resp: 270404

Ion Ratio Lower Upper

172 100

171 34.4 26.2 39.4

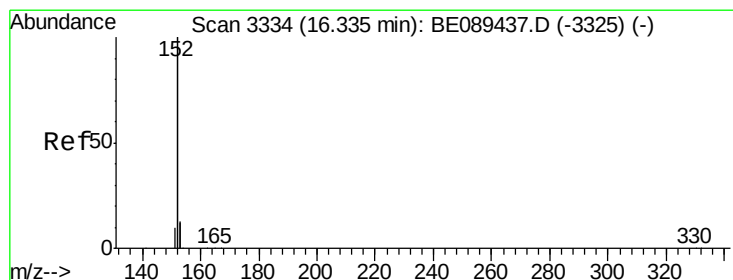
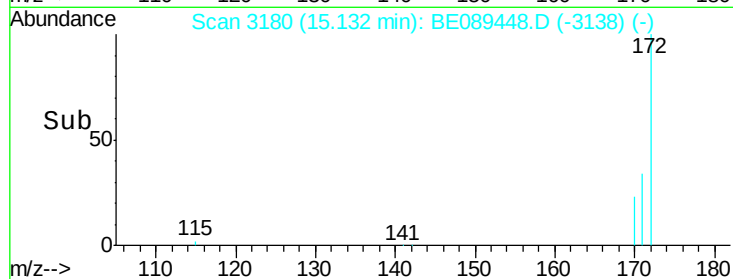
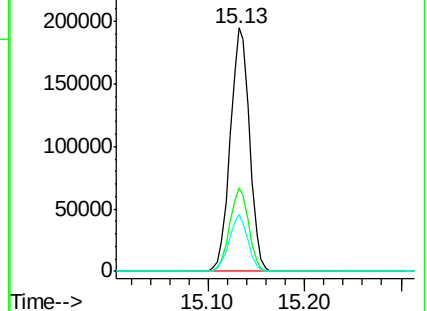
170 23.1 16.5 24.7



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#8

Acenaphthylene

Concen: 0.13 ng

RT: 16.34 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

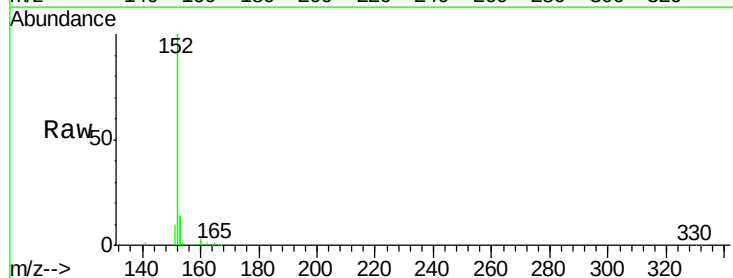
Tgt Ion:152 Resp: 41977

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

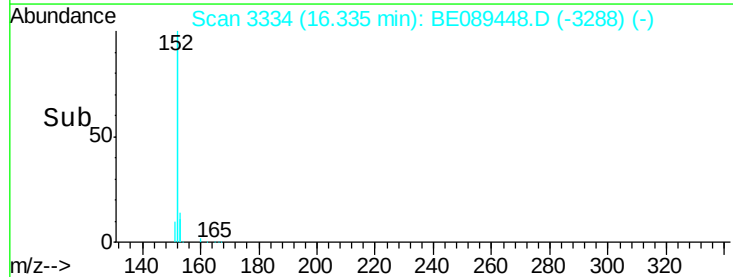
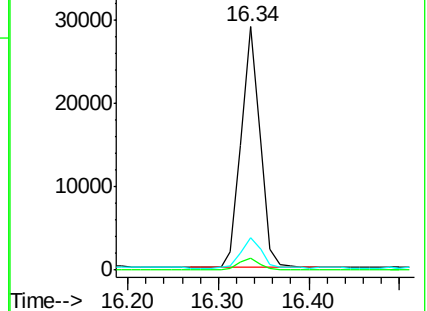
153 13.4 10.3 15.5

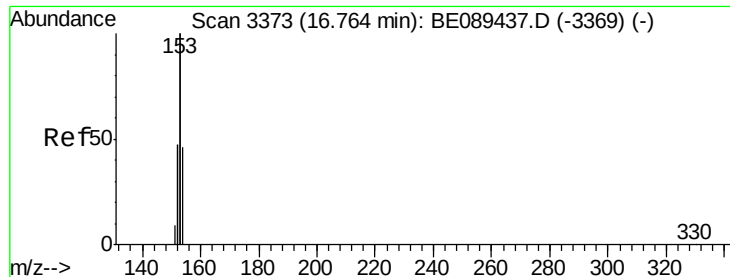


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.14 ng

RT: 16.76 min Scan# 3373

Delta R.T. 0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

Instrument :

BNA_E

ClientSampleId :

FB

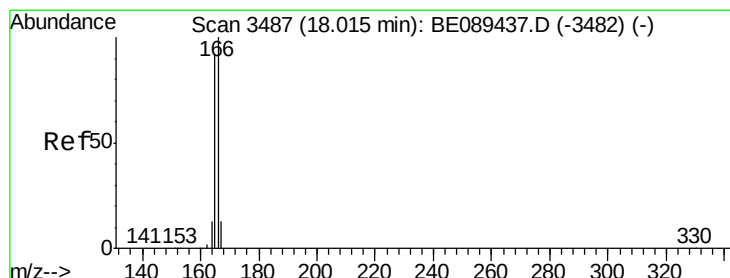
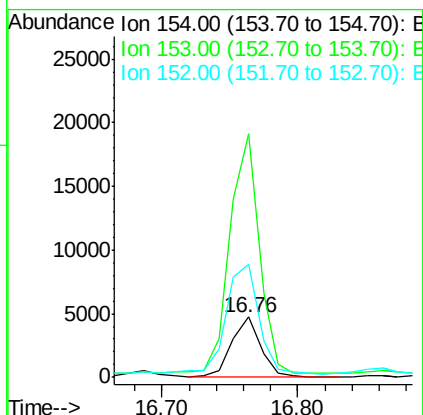
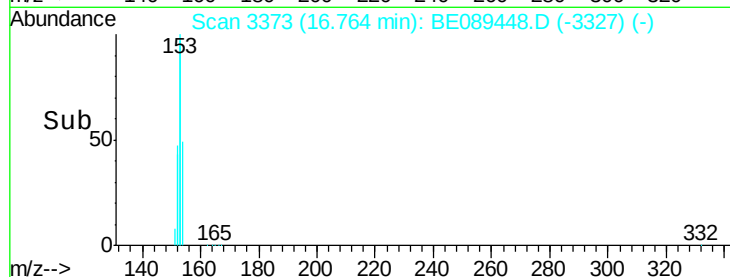
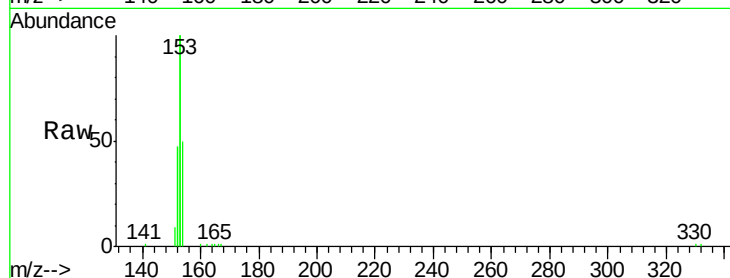
Tgt Ion:154 Resp: 6694

Ion Ratio Lower Upper

154 100

153 427.9 342.3 513.5

152 218.9 165.5 248.3



#10

Fluorene

Concen: 0.14 ng

RT: 18.02 min Scan# 3487

Delta R.T. 0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

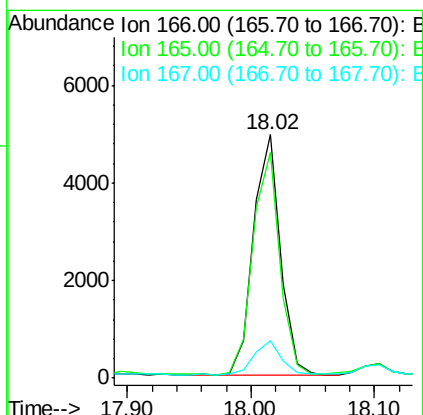
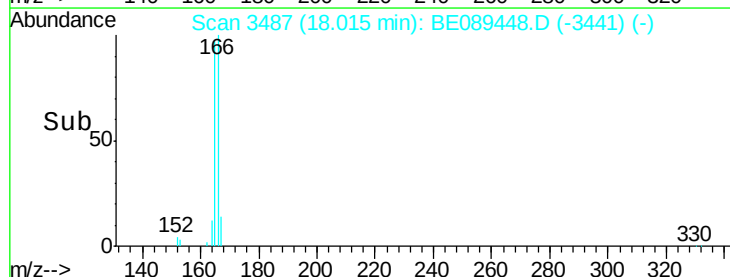
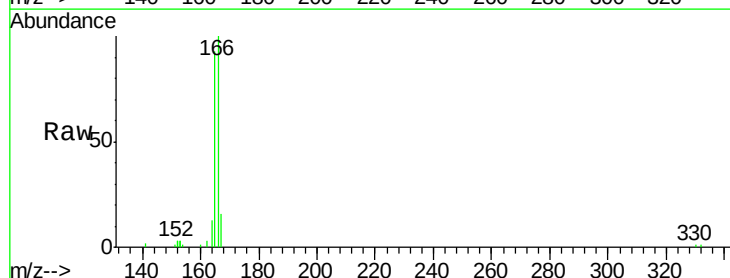
Tgt Ion:166 Resp: 7493

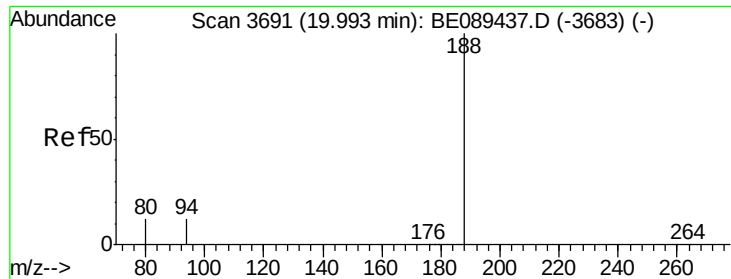
Ion Ratio Lower Upper

166 100

165 92.3 74.4 111.6

167 14.5 10.6 15.8

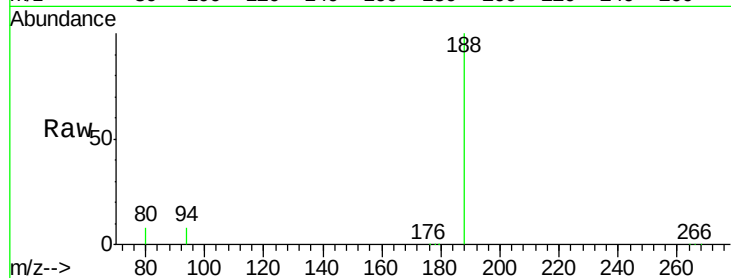




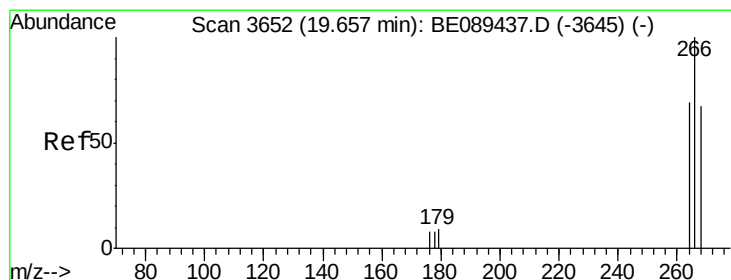
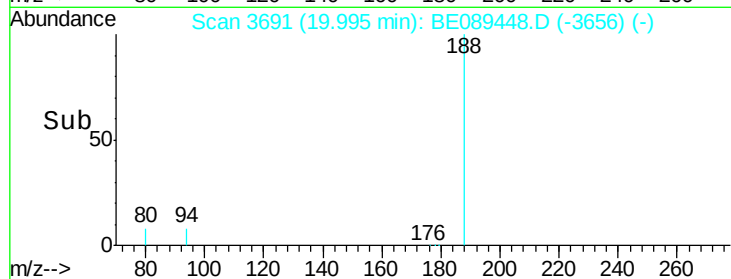
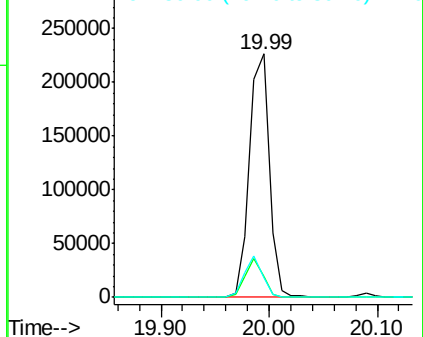
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BE089448.D
Acq: 30 Jan 2015 21:18

Instrument :
BNA_E
ClientSampleId :
FB

Tgt Ion:188 Resp: 290914
Ion Ratio Lower Upper
188 100
94 8.5 9.4 14.0#
80 7.9 9.3 13.9#

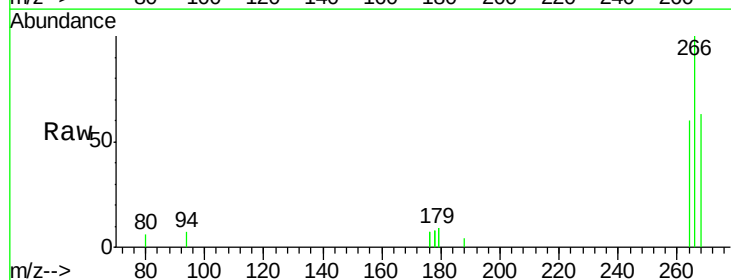


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

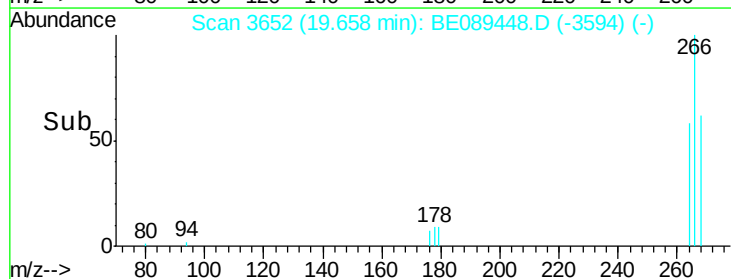
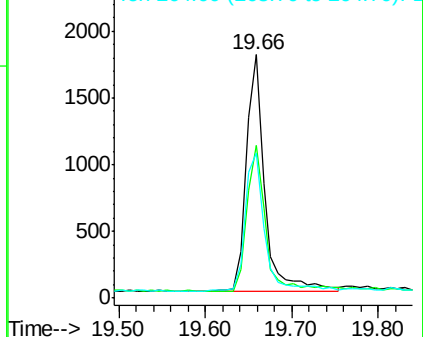


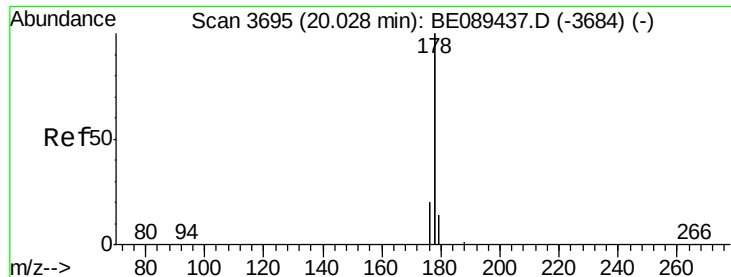
#12
Pentachlorophenol
Concen: 1.81 ng
RT: 19.66 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BE089448.D
Acq: 30 Jan 2015 21:18

Tgt Ion:266 Resp: 2625
Ion Ratio Lower Upper
266 100
268 62.6 54.2 81.4
264 59.7 56.2 84.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

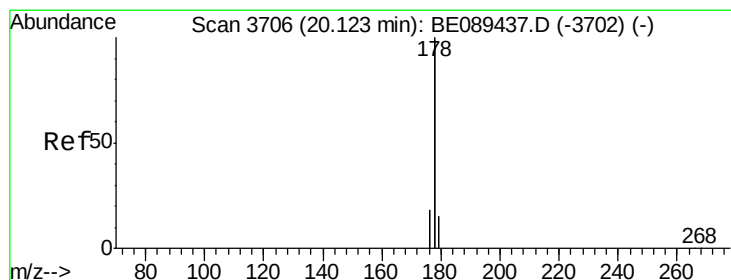
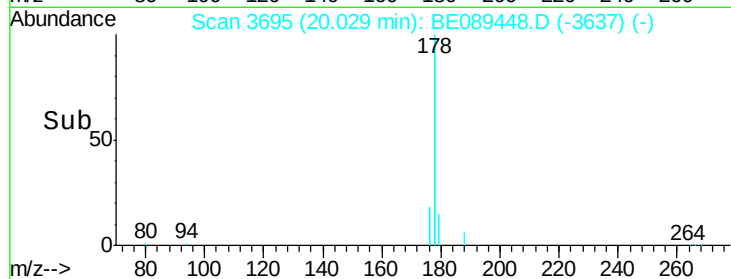
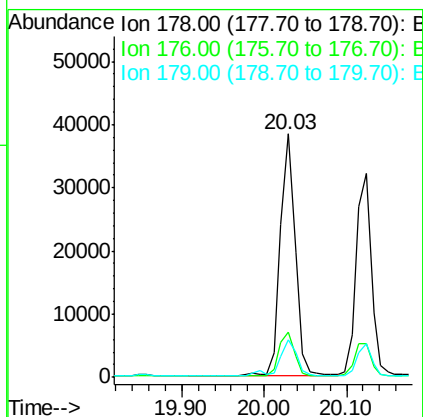
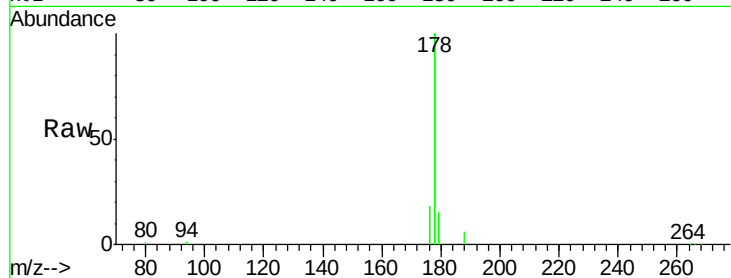




#13
Phenanthrene
Concen: 0.17 ng
RT: 20.03 min Scan# 3695
Delta R.T. 0.00 min
Lab File: BE089448.D
Acq: 30 Jan 2015 21:18

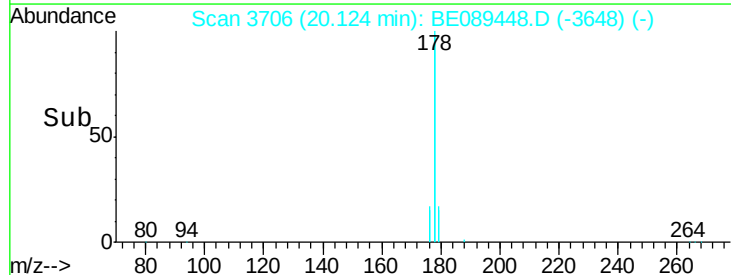
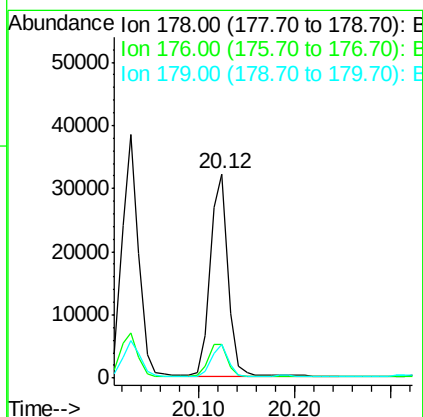
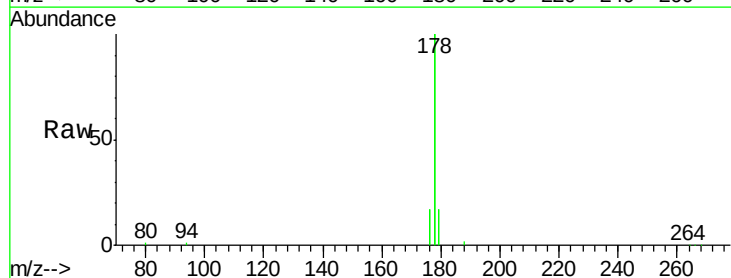
Instrument :
BNA_E
ClientSampleId :
FB

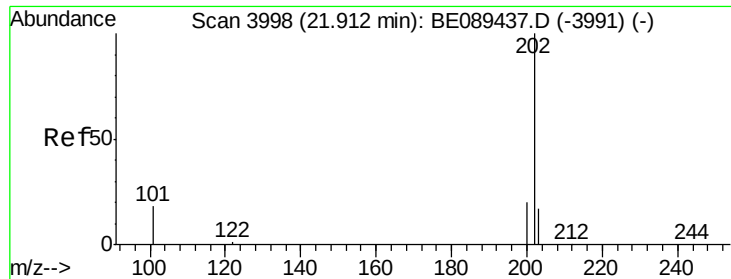
Tgt Ion:178 Resp: 47739
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 16.7 12.3 18.5



#14
Anthracene
Concen: 0.16 ng
RT: 20.12 min Scan# 3706
Delta R.T. 0.00 min
Lab File: BE089448.D
Acq: 30 Jan 2015 21:18

Tgt Ion:178 Resp: 41060
Ion Ratio Lower Upper
178 100
176 17.3 14.6 22.0
179 15.3 12.2 18.2





#15

Fluoranthene

Concen: 0.16 ng

RT: 21.91 min Scan# 3997

Delta R.T. 0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

Instrument :

BNA_E

ClientSampleId :

FB

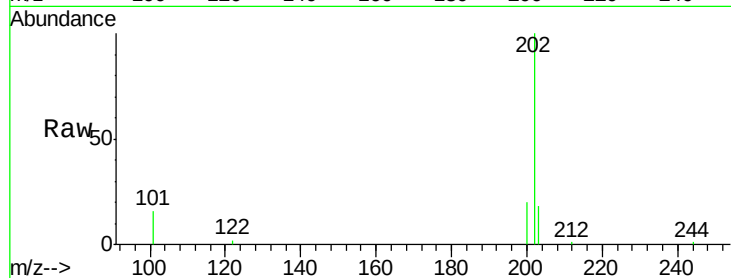
Tgt Ion:202 Resp: 10147

Ion Ratio Lower Upper

202 100

101 16.9 13.6 20.4

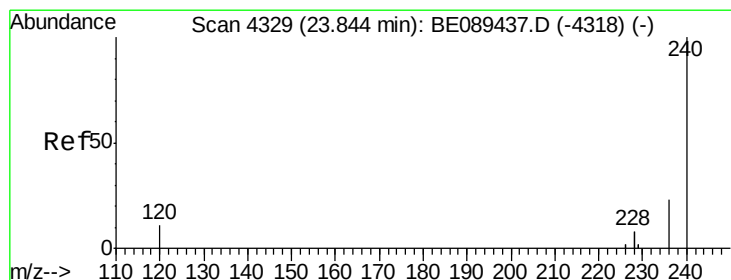
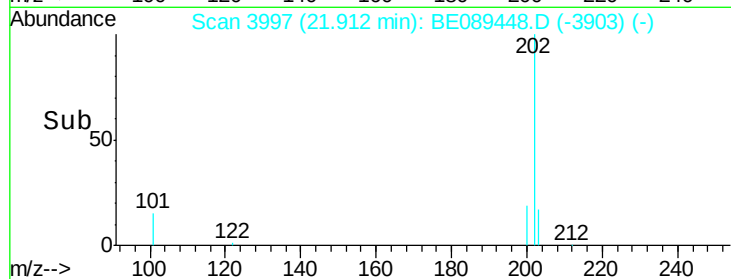
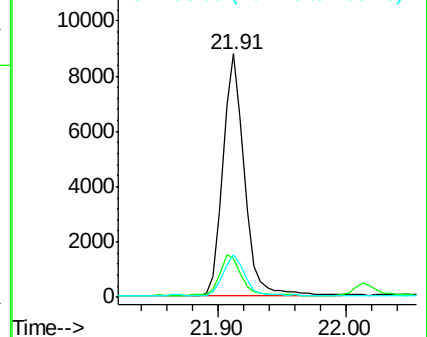
203 16.9 13.8 20.6



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



#16

Chrysene-d12

Concen: 5.00 ng

RT: 23.84 min Scan# 4328

Delta R.T. 0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

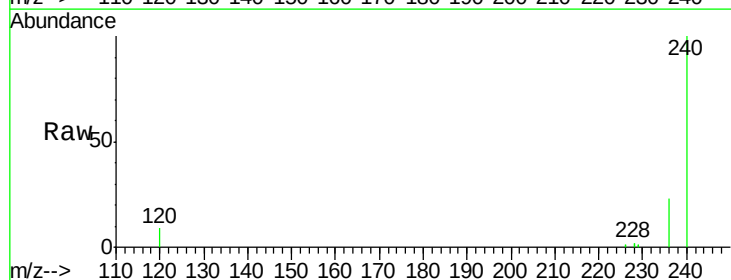
Tgt Ion:240 Resp: 246649

Ion Ratio Lower Upper

240 100

120 8.9 8.6 13.0

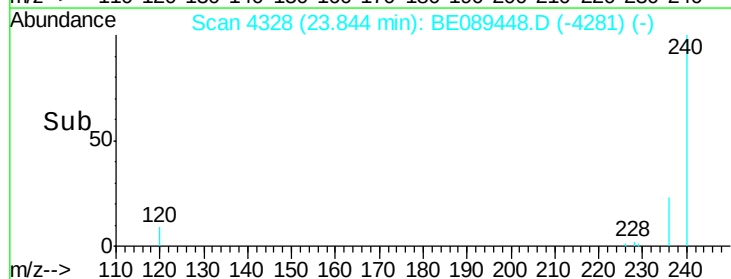
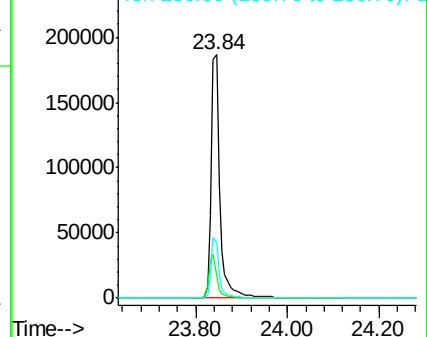
236 22.5 18.7 28.1

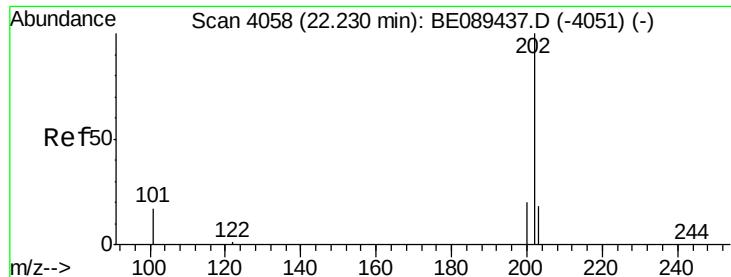


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

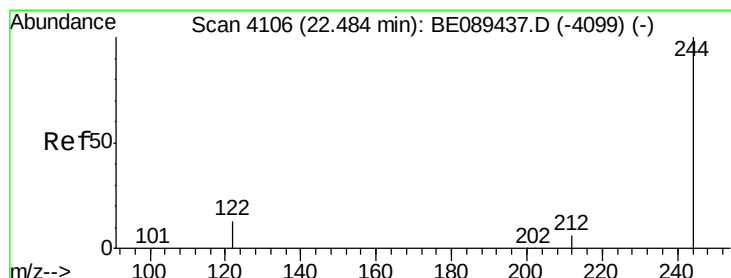
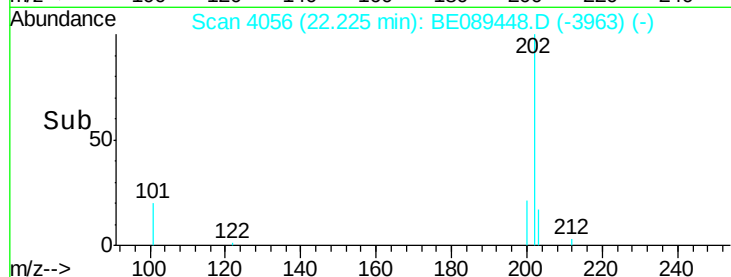
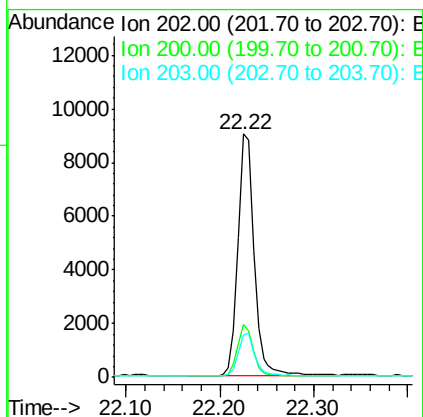
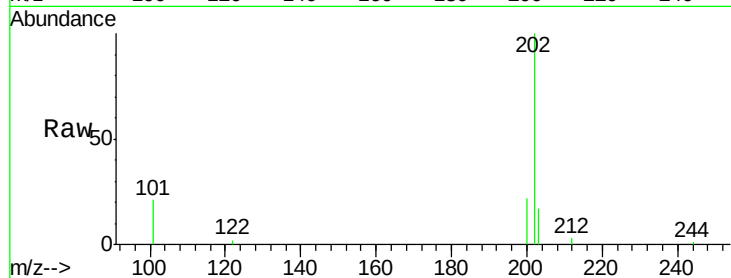




#17
 Pyrene
 Concen: 0.16 ng
 RT: 22.22 min Scan# 4056
 Delta R.T. -0.01 min
 Lab File: BE089448.D
 Acq: 30 Jan 2015 21:18

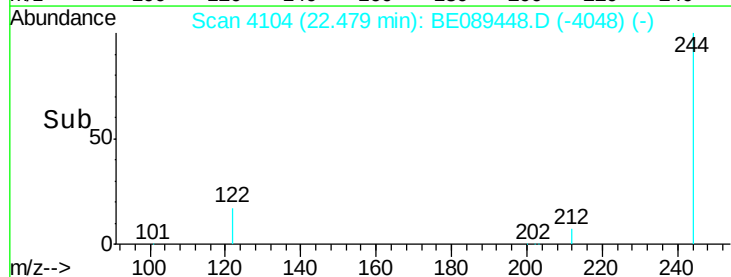
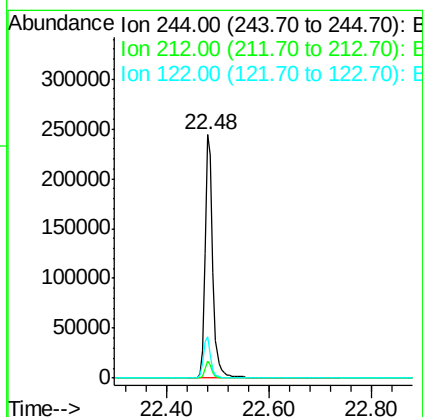
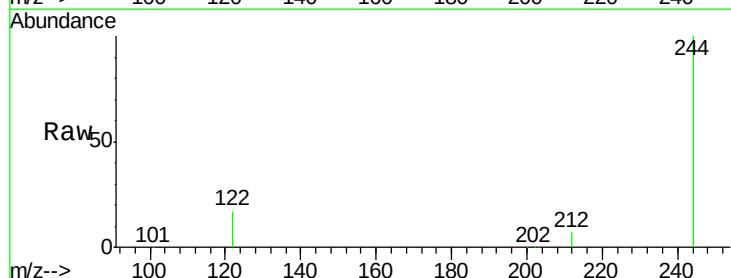
Instrument :
 BNA_E
 ClientSampleId :
 FB

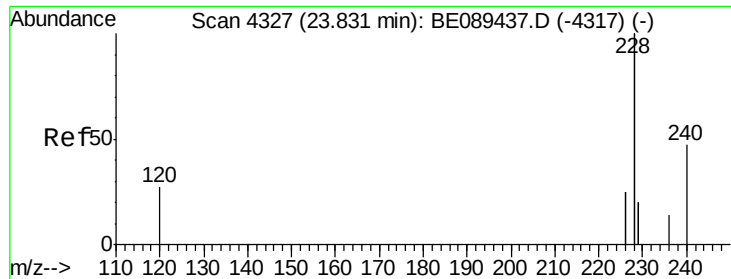
Tgt Ion:202 Resp: 10666
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.2 24.4
 203 17.6 13.8 20.8



#18
 Terphenyl-d14
 Concen: 7.05 ng
 RT: 22.48 min Scan# 4104
 Delta R.T. -0.01 min
 Lab File: BE089448.D
 Acq: 30 Jan 2015 21:18

Tgt Ion:244 Resp: 260238
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.6
 122 16.9 10.2 15.4#





#19

Benzo(a)anthracene

Concen: 0.15 ng

RT: 23.83 min Scan# 4326

Delta R.T. 0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

Instrument :

BNA_E

ClientSampleId :

FB

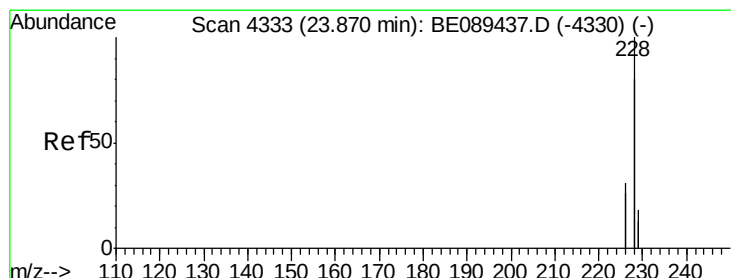
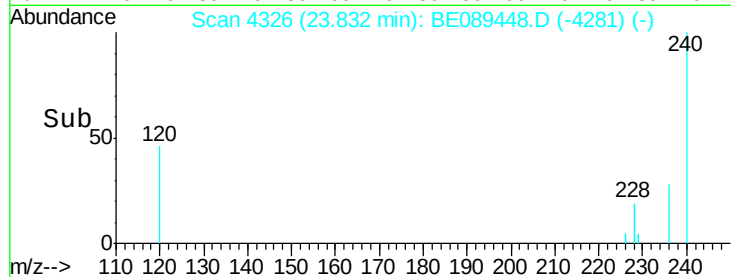
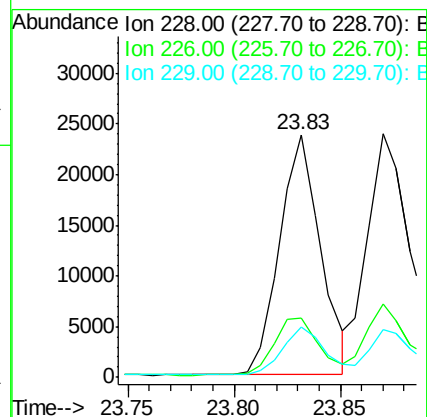
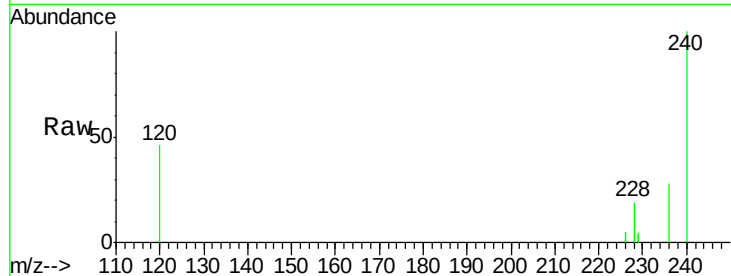
Tgt Ion:228 Resp: 31668

Ion Ratio Lower Upper

228 100

226 24.4 20.0 30.0

229 20.8 16.0 24.0



#20

Chrysene

Concen: 0.18 ng

RT: 23.87 min Scan# 4332

Delta R.T. 0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

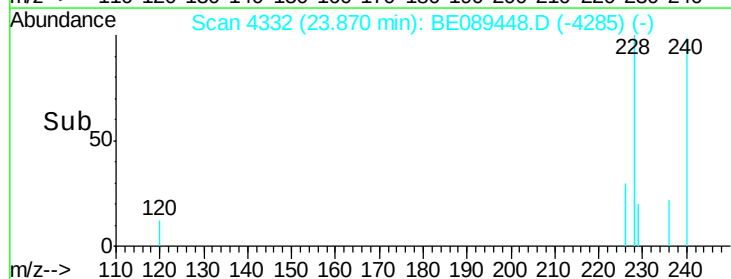
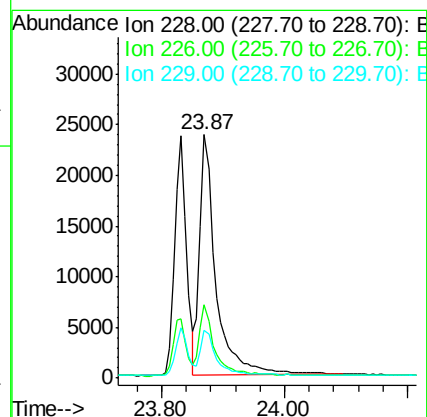
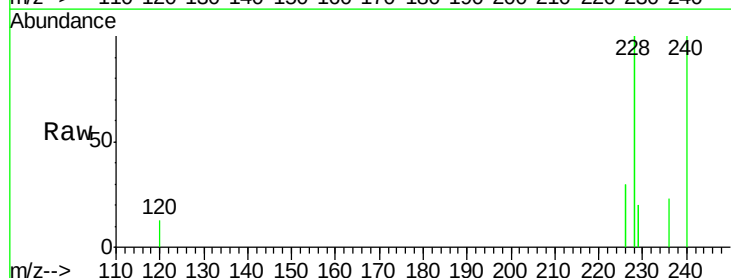
Tgt Ion:228 Resp: 42497

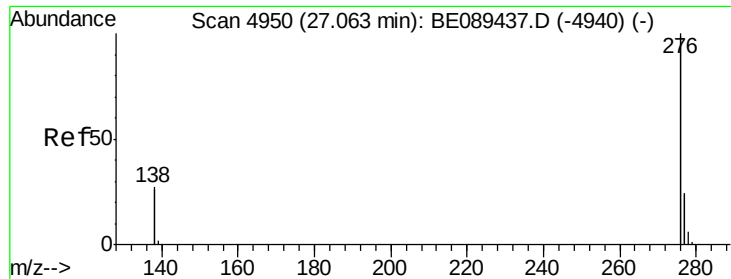
Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 19.7 14.1 21.1





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.09 ng

RT: 27.06 min Scan# 4948

Delta R.T. -0.01 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

Instrument :

BNA_E

ClientSampleId :

FB

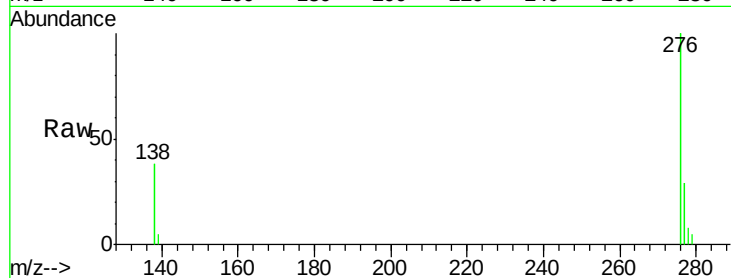
Tgt Ion:276 Resp: 18280

Ion Ratio Lower Upper

276 100

138 23.9 25.4 38.0#

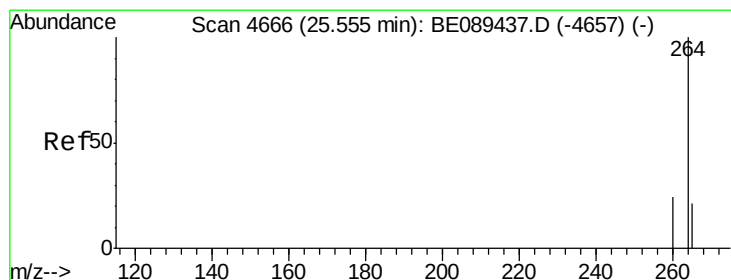
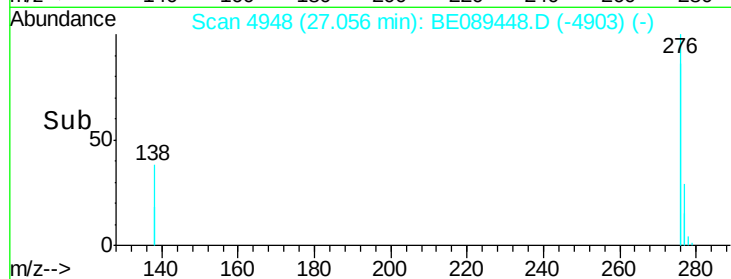
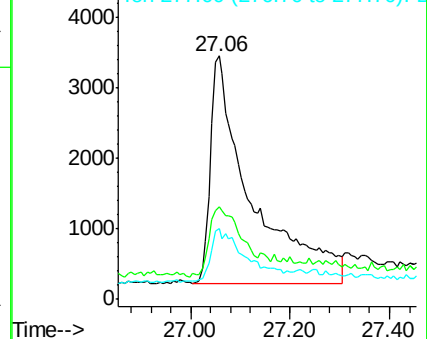
277 19.6 19.8 29.6#



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

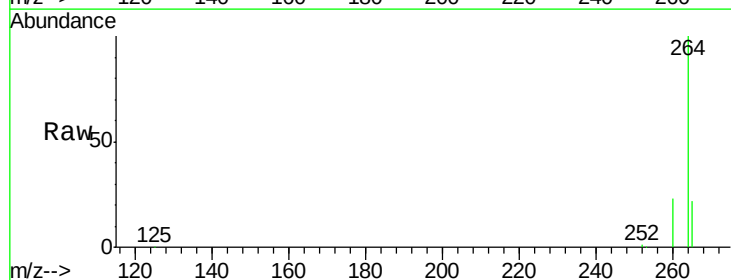
Tgt Ion:264 Resp: 213948

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

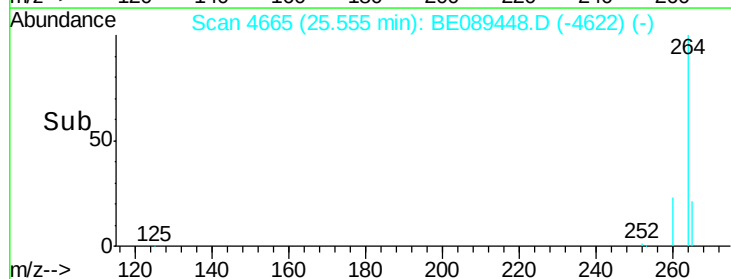
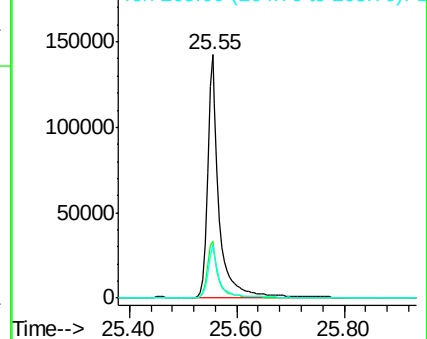
265 21.5 17.0 25.6

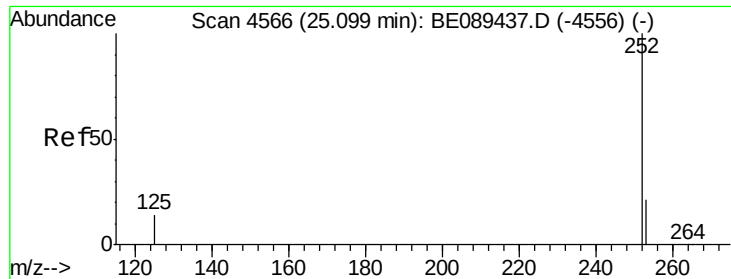


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.27 ng

RT: 25.10 min Scan# 4565

Delta R.T. 0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

Instrument :

BNA_E

ClientSampleId :

FB

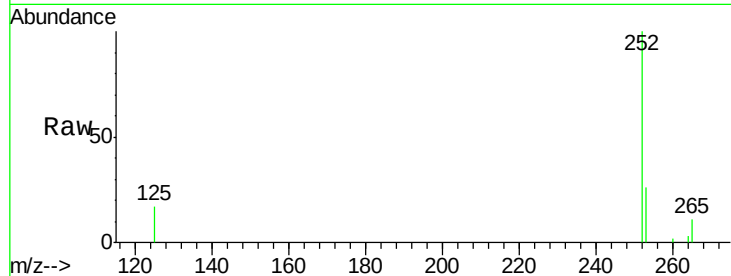
Tgt Ion:252 Resp: 3321

Ion Ratio Lower Upper

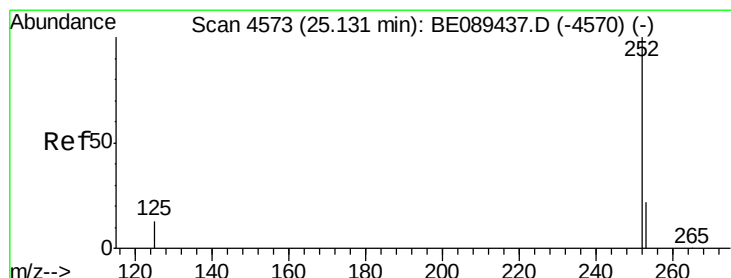
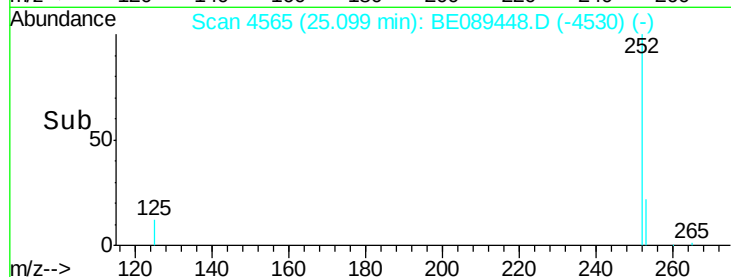
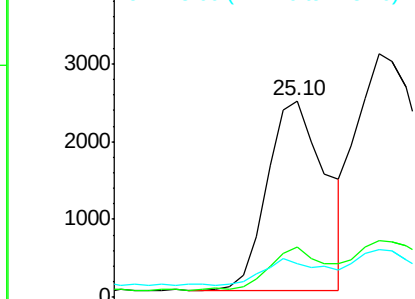
252 100

253 25.8 17.0 25.6#

125 17.1 11.4 17.0#



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



#24

Benzo(k)fluoranthene

Concen: 0.16 ng

RT: 25.13 min Scan# 4571

Delta R.T. -0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

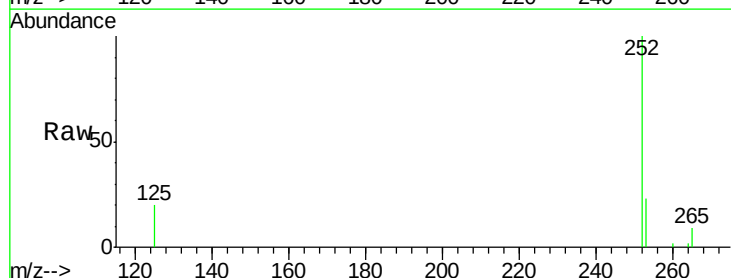
Tgt Ion:252 Resp: 8576

Ion Ratio Lower Upper

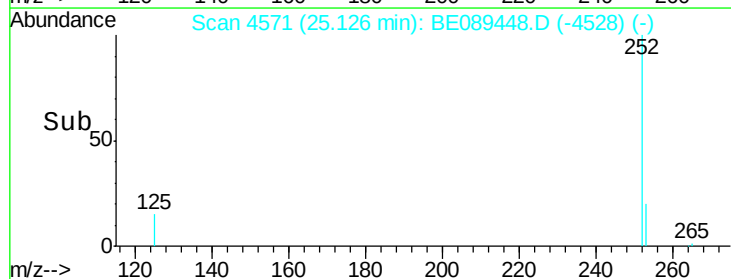
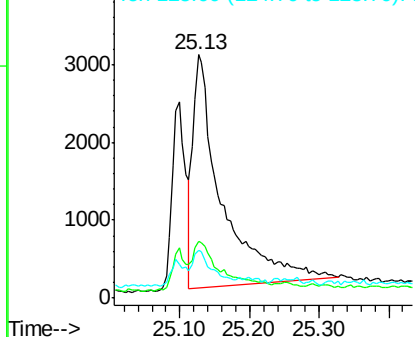
252 100

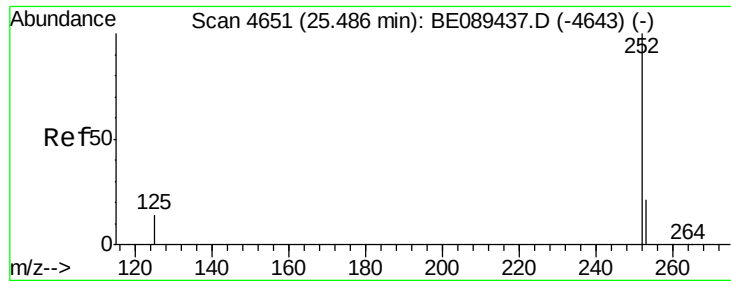
253 23.2 17.4 26.2

125 19.5 10.9 16.3#



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

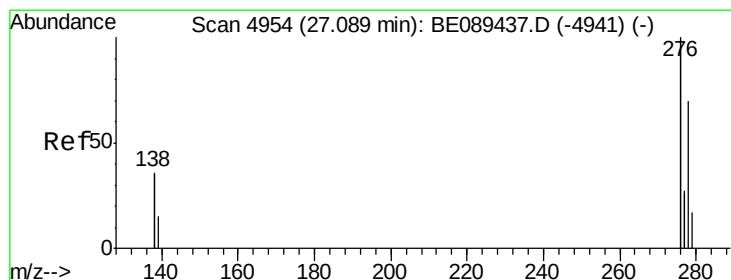
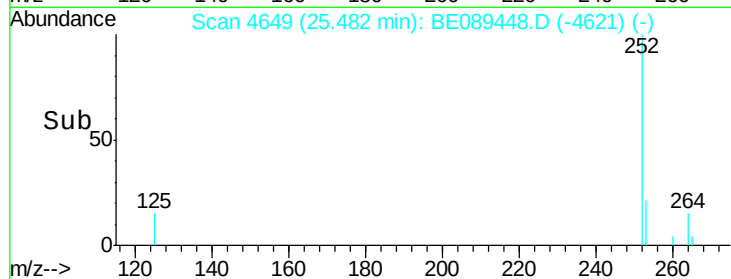
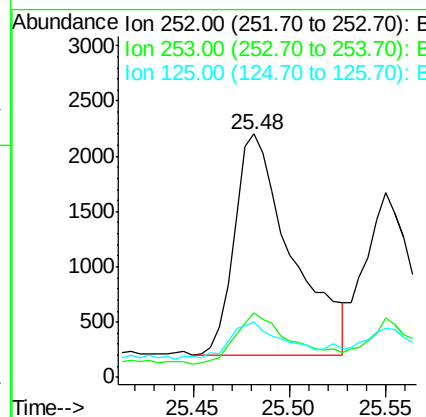
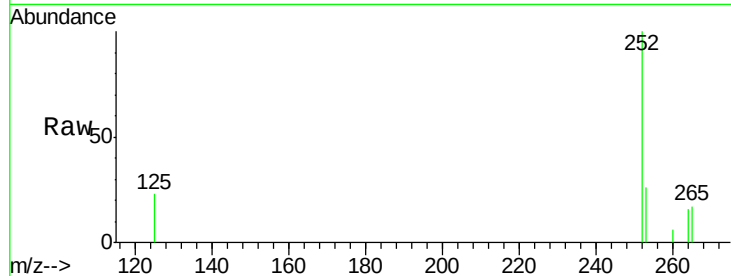




#25
Benzo(a)pyrene
Concen: 0.22 ng
RT: 25.48 min Scan# 4649
Delta R.T. -0.00 min
Lab File: BE089448.D
Acq: 30 Jan 2015 21:18

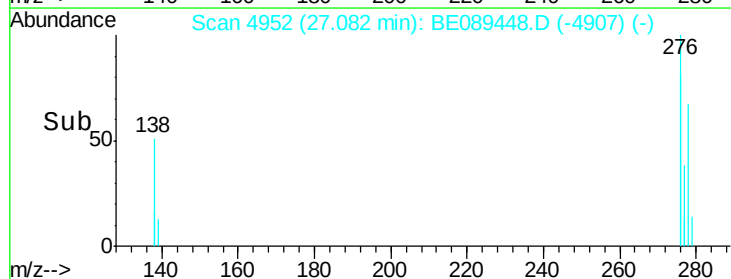
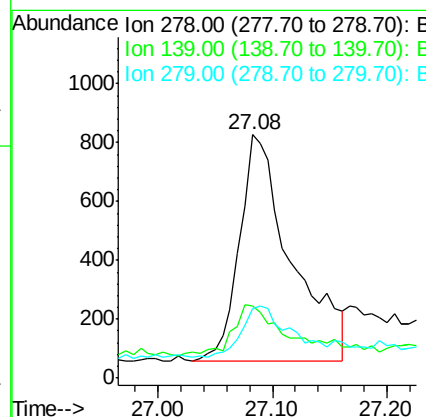
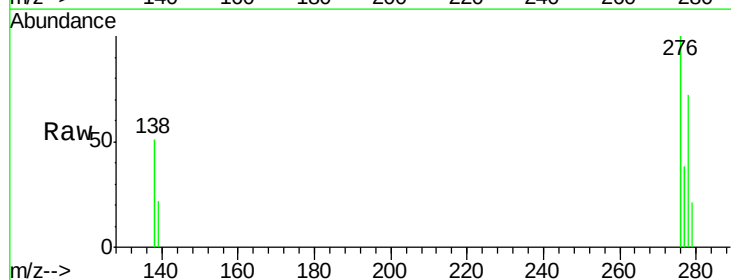
Instrument :
BNA_E
ClientSampleId :
FB

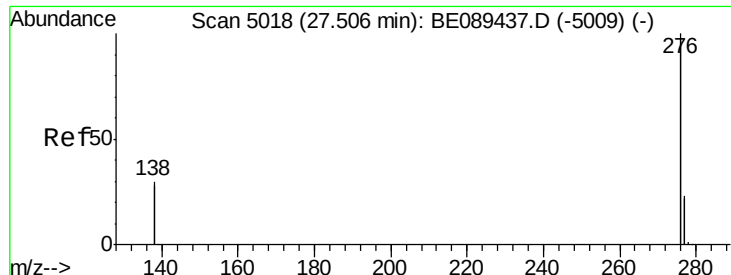
Tgt Ion: 252 Resp: 4085
Ion Ratio Lower Upper
252 100
253 26.4 17.3 25.9#
125 22.6 12.0 18.0#



#26
Dibenzo(a,h)anthracene
Concen: 0.19 ng
RT: 27.08 min Scan# 4952
Delta R.T. -0.01 min
Lab File: BE089448.D
Acq: 30 Jan 2015 21:18

Tgt Ion: 278 Resp: 2443
Ion Ratio Lower Upper
278 100
139 29.7 17.0 25.4#
279 28.4 19.1 28.7





#27

Benzo(g,h,i)perylene

Concen: 0.12 ng

RT: 27.51 min Scan# 5017

Delta R.T. -0.00 min

Lab File: BE089448.D

Acq: 30 Jan 2015 21:18

Instrument :

BNA_E

ClientSampleId :

FB

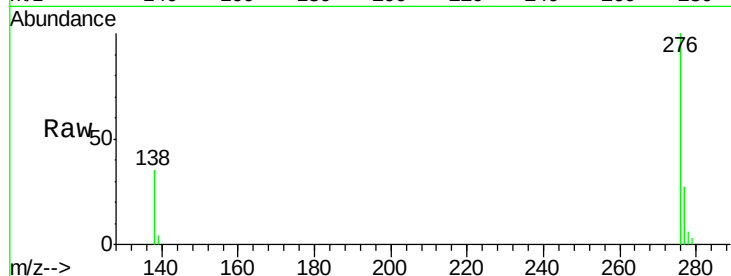
Tgt Ion: 276 Resp: 21023

Ion Ratio Lower Upper

276 100

277 27.2 18.4 27.6

138 35.3 23.7 35.5



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

