

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090035.D
 Acq On : 1 Jul 2015 7:10
 Operator : TP/IZ
 Sample : G2824-11 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626

Quant Time: Jul 01 17:21:54 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	15546	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	68852	5.00	ng	-0.01
12) Acenaphthene-d10	14.23	164	38557	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	90602	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	112852	5.00	ng	-0.01
32) Perylene-d12	23.44	264	109587	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	11547	3.23	ng	0.00
5) Phenol-d6	6.80	99	16997	3.40	ng	0.00
7) Nitrobenzene-d5	8.76	82	10121	1.85	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	3783	3.35	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	22675	1.96	ng	-0.01
27) Terphenyl-d14	19.58	244	35885	1.91	ng	-0.01

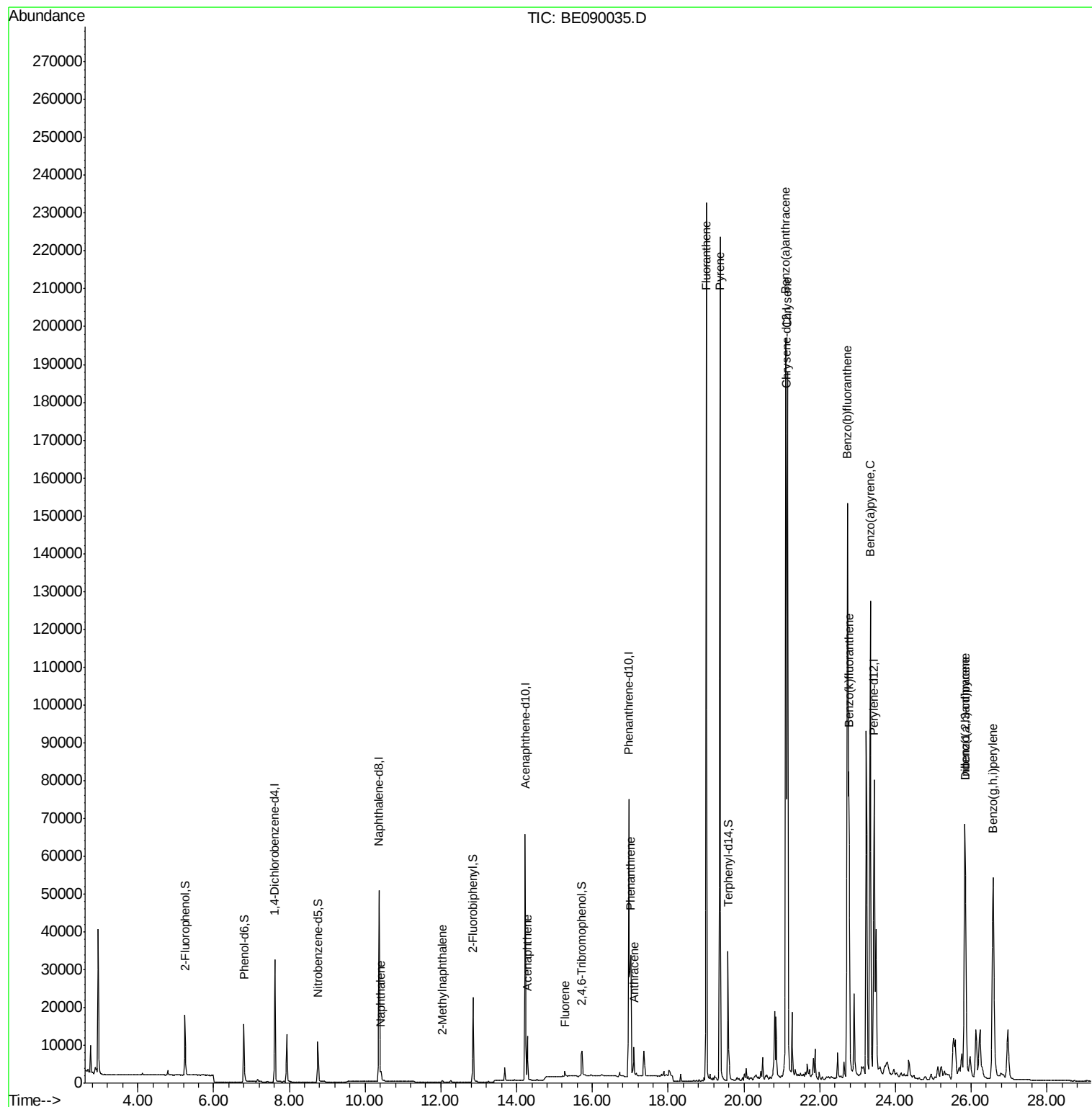
Target Compounds						Qvalue
9) Naphthalene	10.42	128	2545	0.16	ng	# 94
11) 2-Methylnaphthalene	12.04	142	442	0.04	ng	# 91
16) Acenaphthene	14.28	154	1998	0.20	ng	93
17) Fluorene	15.27	166	1144	0.08	ng	# 95
22) Phenanthrene	17.01	178	47310	2.04	ng	99
23) Anthracene	17.10	178	9585m	0.45	ng	
24) Fluoranthene	19.01	202	199925	7.71	ng	99
26) Pyrene	19.37	202	196162	7.29	ng	# 96
28) Benzo(a)anthracene	21.11	228	162091	5.75	ng	97
29) Chrysene	21.16	228	178711	6.11	ng	97
31) Indeno(1,2,3-cd)pyrene	25.84	276	116408	4.15	ng	97
33) Benzo(b)fluoranthene	22.74	252	249970	10.34	ng	98
34) Benzo(k)fluoranthene	22.77	252	102189m	3.78	ng	
35) Benzo(a)pyrene	23.34	252	174388	7.81	ng	98
36) Dibenzo(a,h)anthracene	25.85	278	28472	1.24	ng	97
37) Benzo(g,h,i)perylene	26.58	276	121203	5.22	ng	97

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

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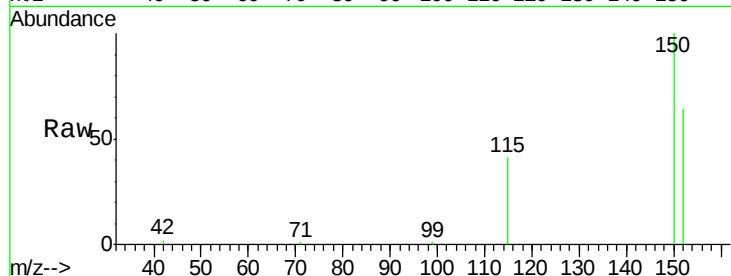




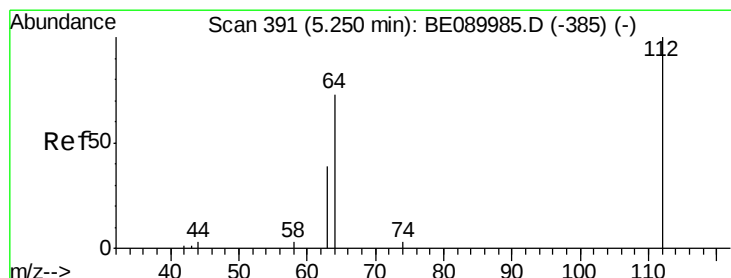
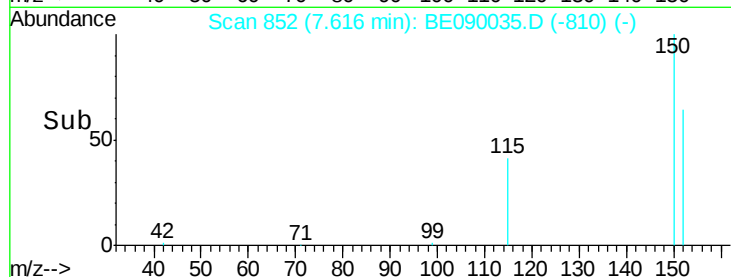
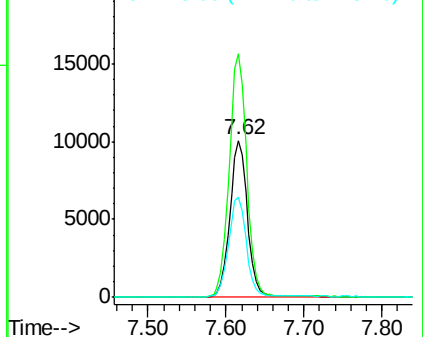
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.62 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BE090035.D
 Acq: 1 Jul 2015 7:10

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626

Tgt Ion:152 Resp: 15546
 Ion Ratio Lower Upper
 152 100
 150 155.3 123.9 185.9
 115 63.9 50.6 76.0

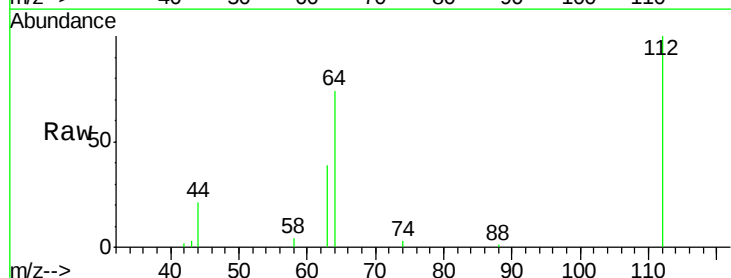


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

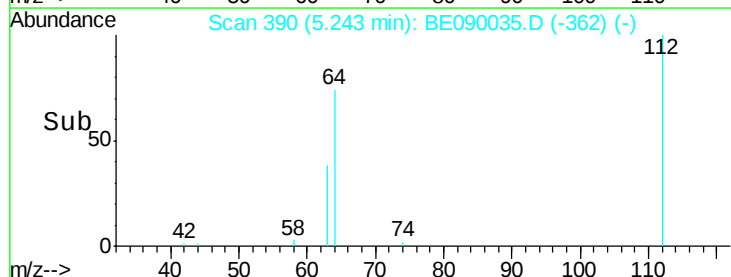
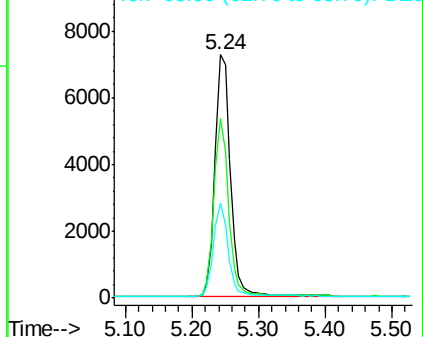


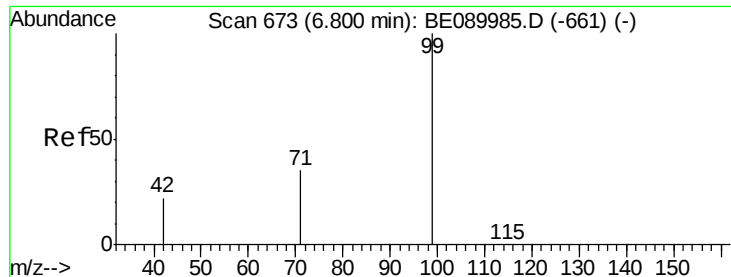
#4
 2-Fluorophenol
 Concen: 3.23 ng
 RT: 5.24 min Scan# 390
 Delta R.T. -0.01 min
 Lab File: BE090035.D
 Acq: 1 Jul 2015 7:10

Tgt Ion:112 Resp: 11547
 Ion Ratio Lower Upper
 112 100
 64 70.0 56.3 84.5
 63 36.3 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.40 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

Instrument :

BNA_E

ClientSampleId :

X1SS0660624-150626

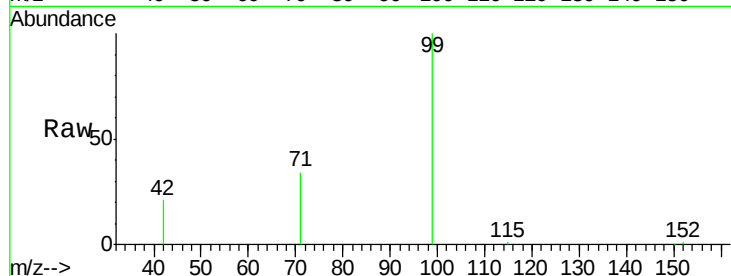
Tgt Ion: 99 Resp: 16997

Ion Ratio Lower Upper

99 100

42 20.6 18.7 28.1

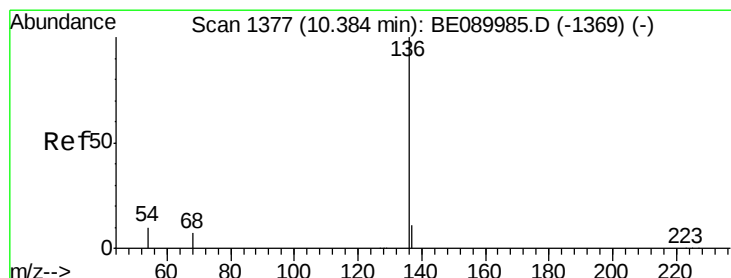
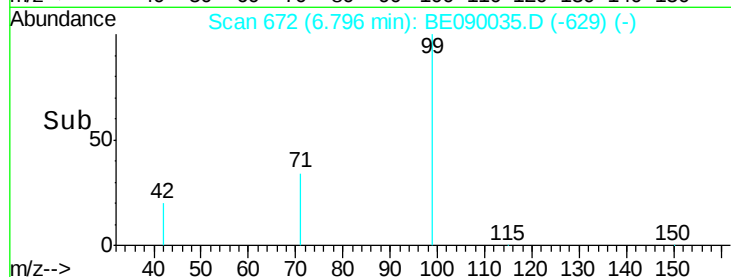
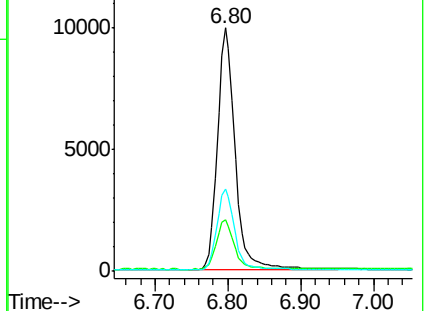
71 33.6 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 1375

Delta R.T. -0.01 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

Tgt Ion: 136 Resp: 68852

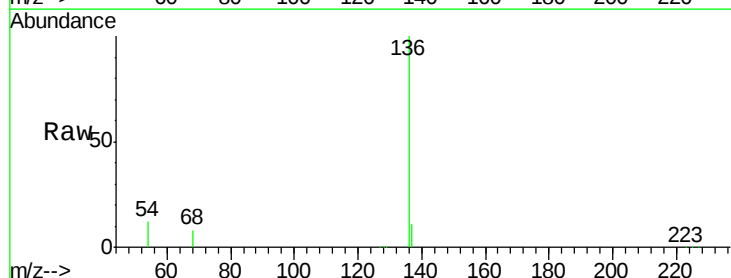
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 11.7 8.2 12.4

68 8.3 5.8 8.8

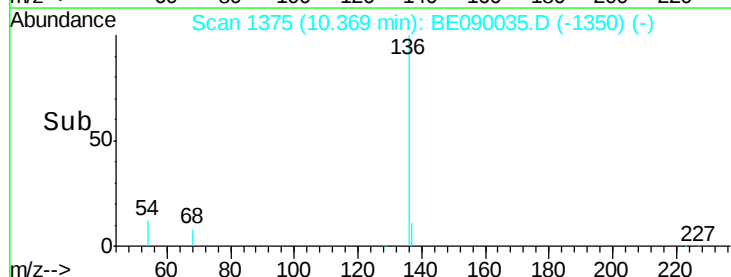
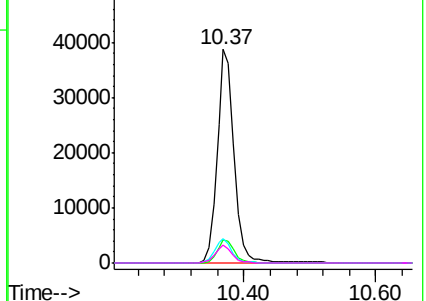


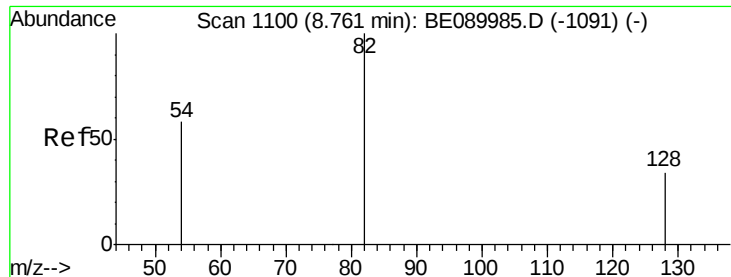
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 1.85 ng

RT: 8.76 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

Instrument :

BNA_E

ClientSampleId :

X1SS0660624-150626

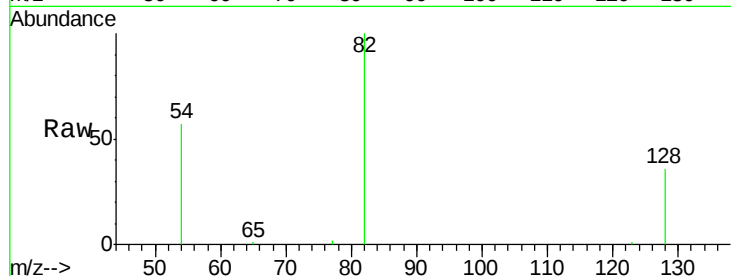
Tgt Ion: 82 Resp: 10121

Ion Ratio Lower Upper

82 100

128 35.6 28.0 42.0

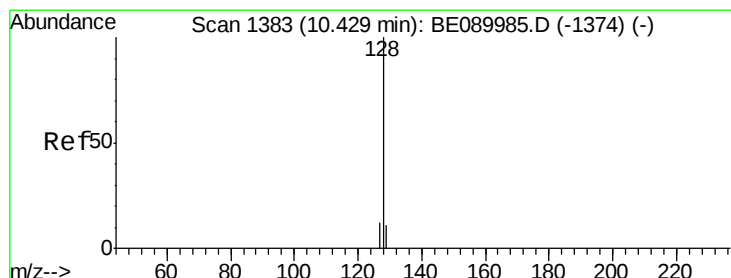
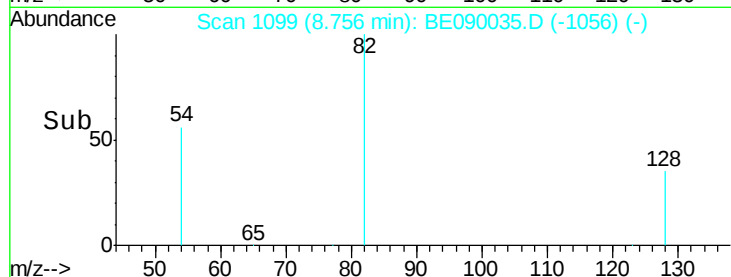
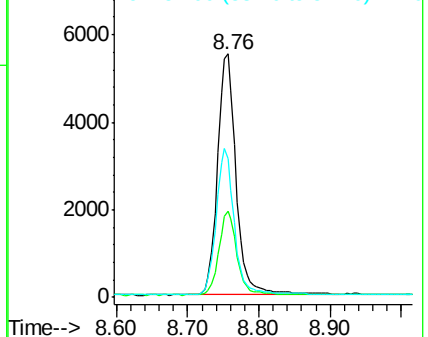
54 56.8 47.6 71.4



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



#9

Naphthalene

Concen: 0.16 ng

RT: 10.42 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

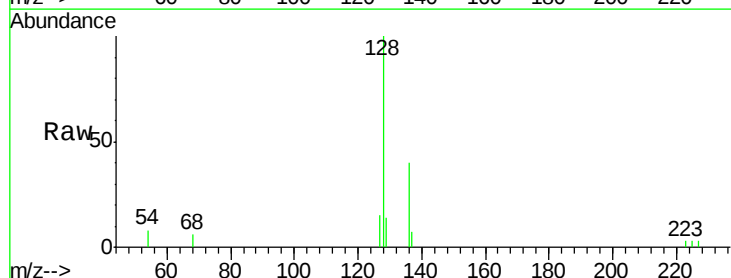
Tgt Ion: 128 Resp: 2545

Ion Ratio Lower Upper

128 100

129 14.2 9.3 13.9#

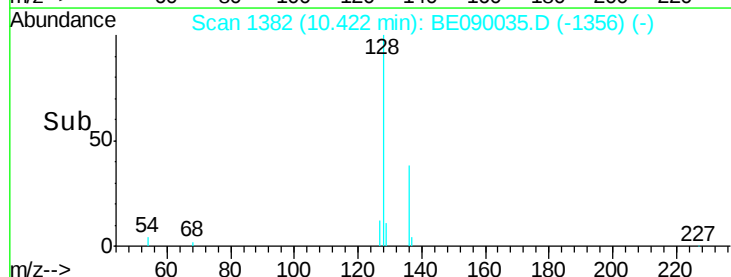
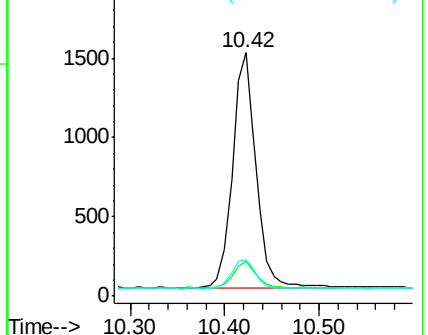
127 15.1 10.2 15.4

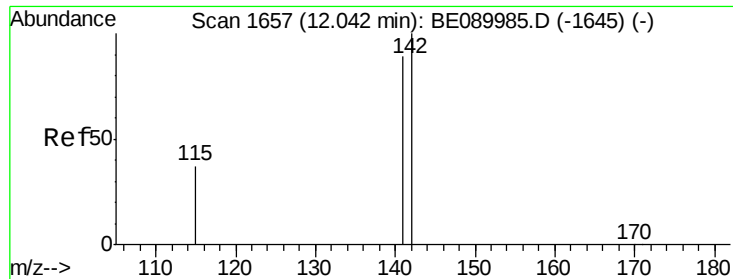


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

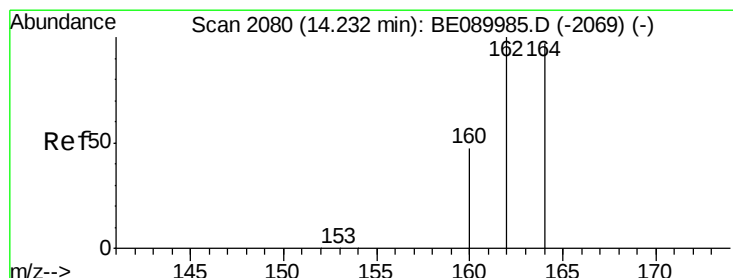
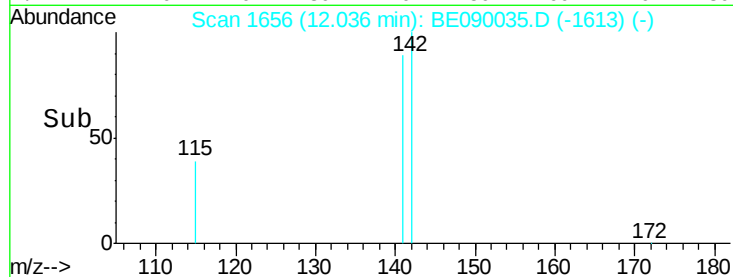
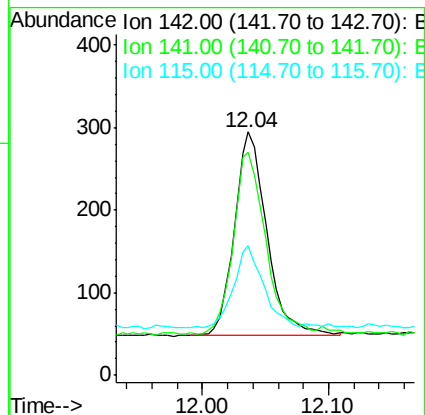
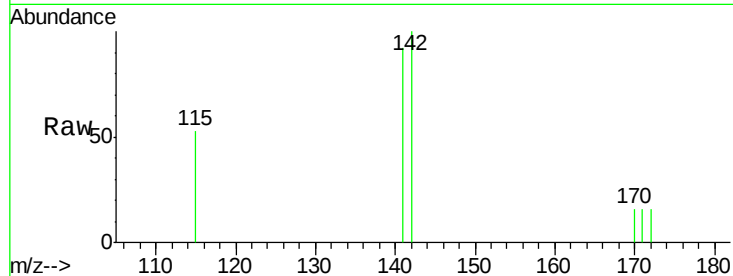




#11
2-Methylnaphthalene
Concen: 0.04 ng
RT: 12.04 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BE090035.D
Acq: 1 Jul 2015 7:10

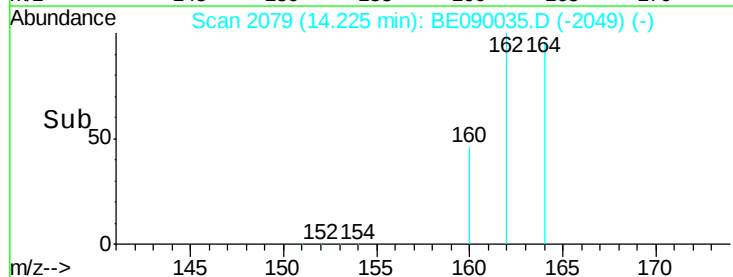
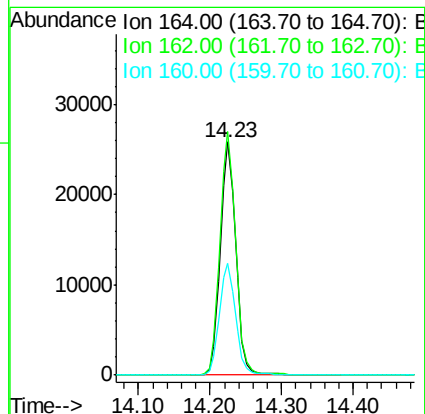
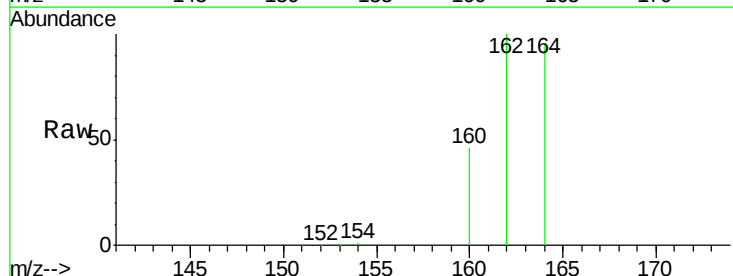
Instrument :
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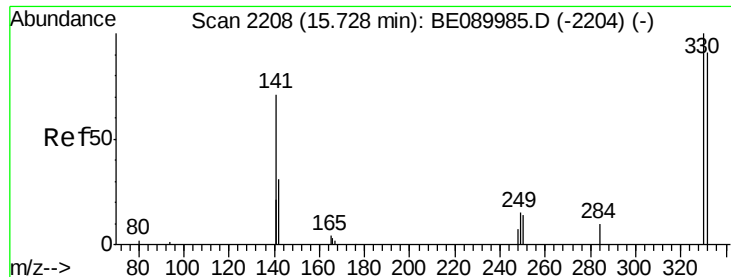
Tgt Ion:142 Resp: 442
Ion Ratio Lower Upper
142 100
141 91.5 71.3 106.9
115 53.2 30.4 45.6#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BE090035.D
Acq: 1 Jul 2015 7:10

Tgt Ion:164 Resp: 38557
Ion Ratio Lower Upper
164 100
162 104.5 82.2 123.4
160 48.1 39.0 58.6

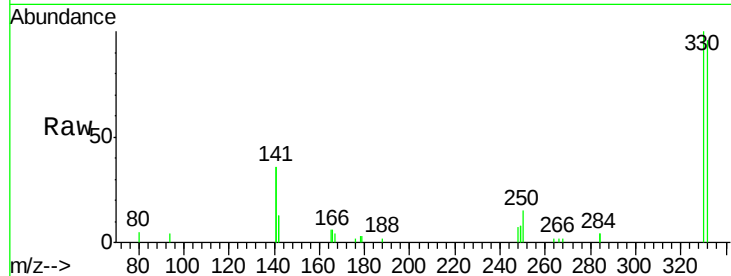




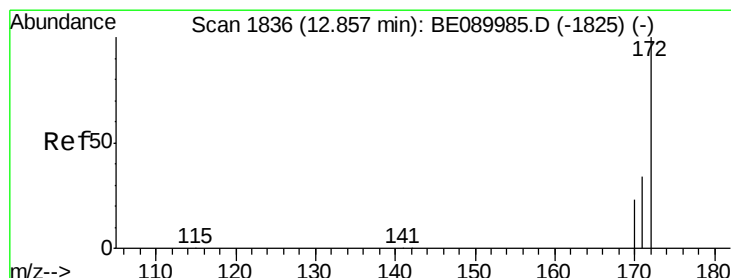
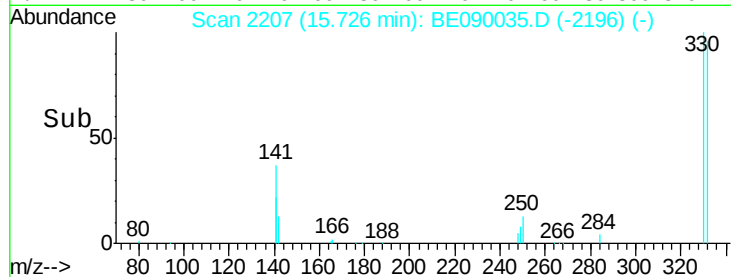
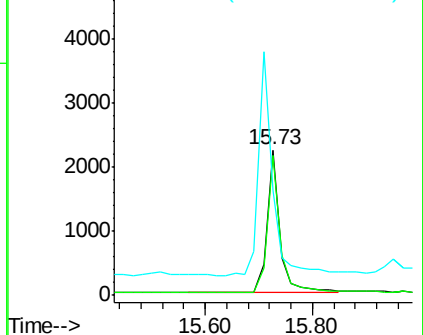
#13
 2,4,6-Tribromophenol
 Concen: 3.35 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090035.D
 Acq: 1 Jul 2015 7:10

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626

Tgt Ion:330 Resp: 3783
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.4 114.6
 141 173.5 130.3 195.5

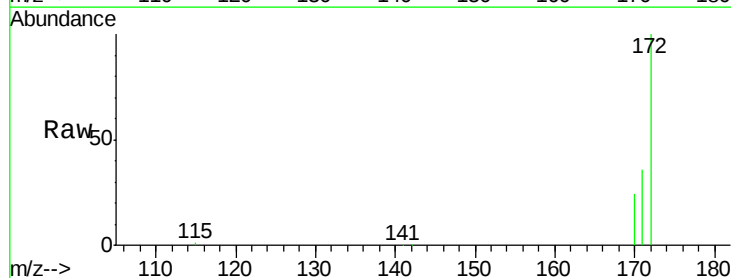


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

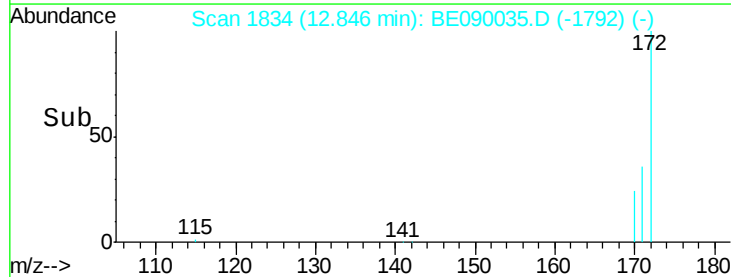
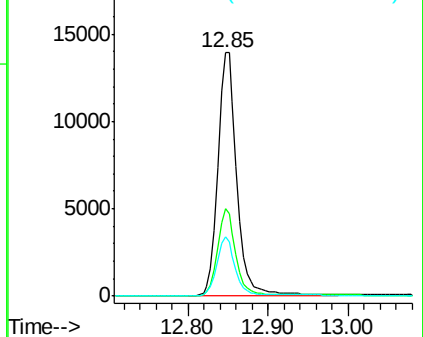


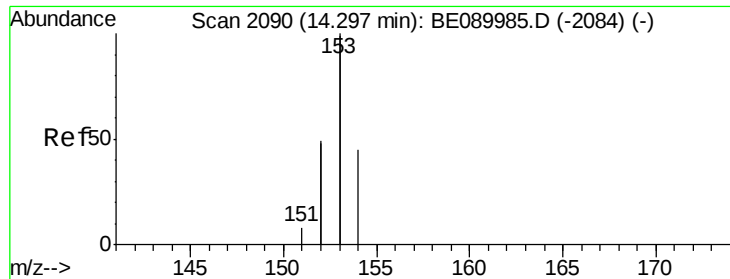
#14
 2-Fluorobiphenyl
 Concen: 1.96 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090035.D
 Acq: 1 Jul 2015 7:10

Tgt Ion:172 Resp: 22675
 Ion Ratio Lower Upper
 172 100
 171 35.7 27.8 41.6
 170 24.4 18.3 27.5



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





#16

Acenaphthene

Concen: 0.20 ng

RT: 14.28 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

Instrument :

BNA_E

ClientSampleId :

X1SS0660624-150626

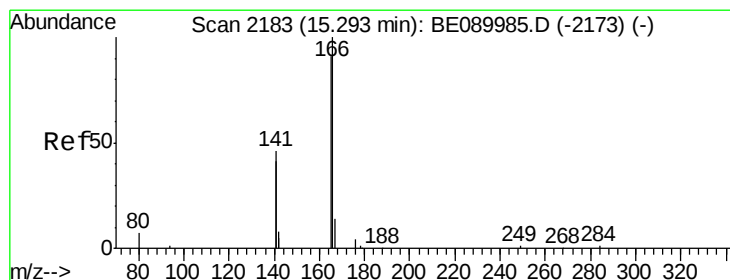
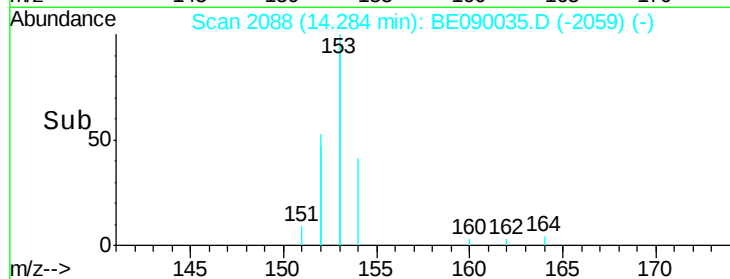
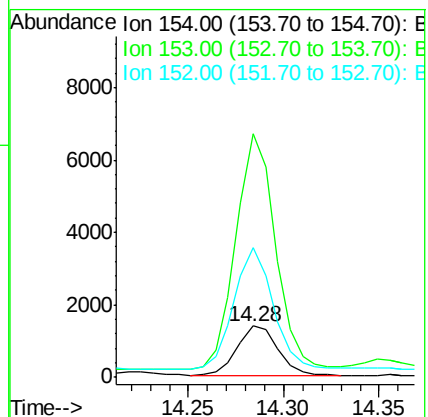
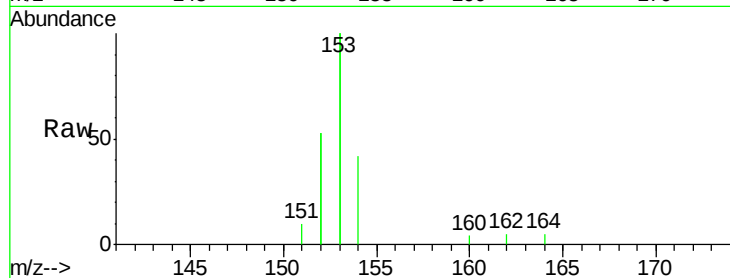
Tgt Ion:154 Resp: 1998

Ion Ratio Lower Upper

154 100

153 468.7 358.6 538.0

152 244.4 189.6 284.4



#17

Fluorene

Concen: 0.08 ng

RT: 15.27 min Scan# 2181

Delta R.T. -0.02 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

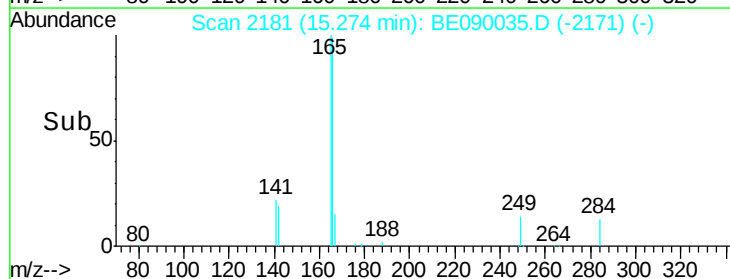
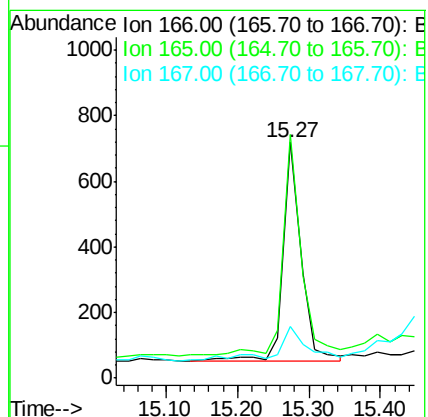
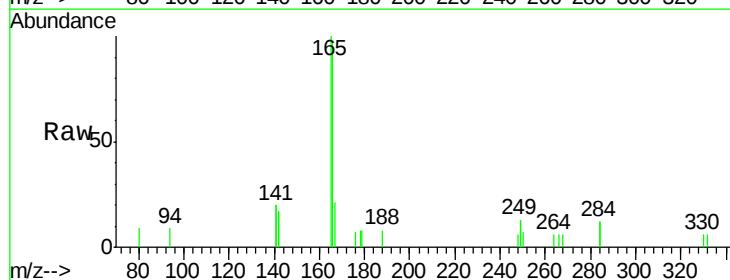
Tgt Ion:166 Resp: 1144

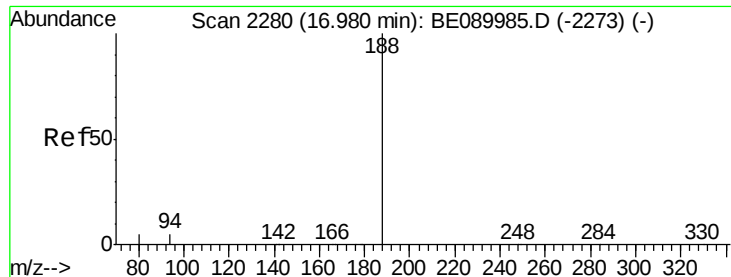
Ion Ratio Lower Upper

166 100

165 103.6 79.0 118.6

167 18.2 11.8 17.8#

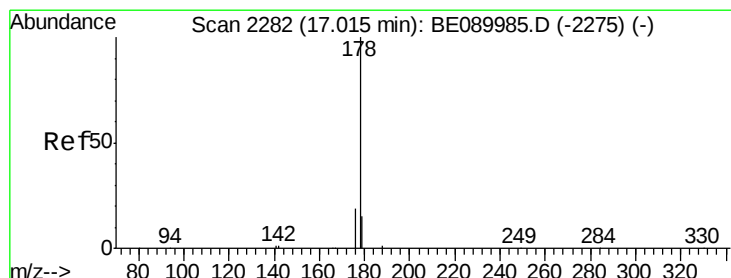
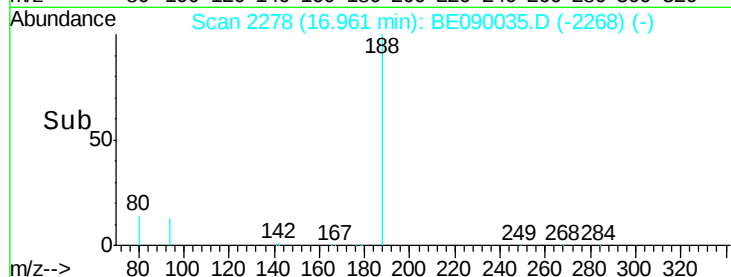
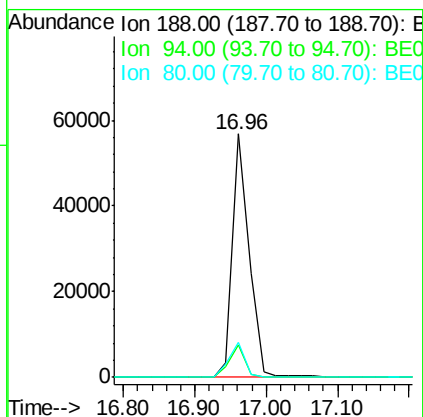
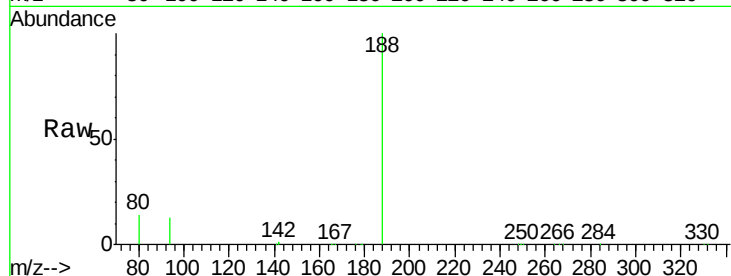




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090035.D
Acq: 1 Jul 2015 7:10

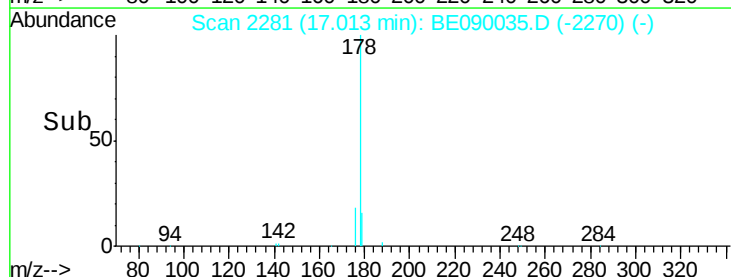
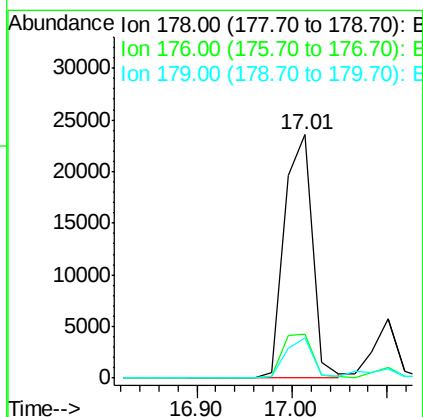
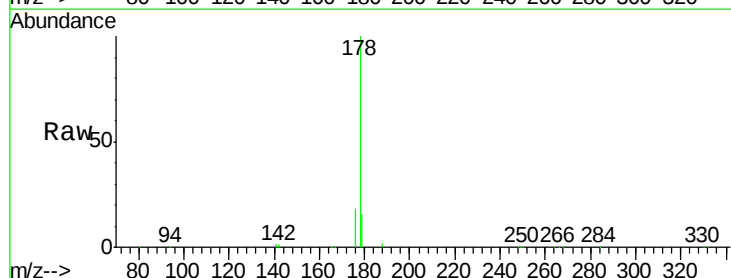
Instrument :
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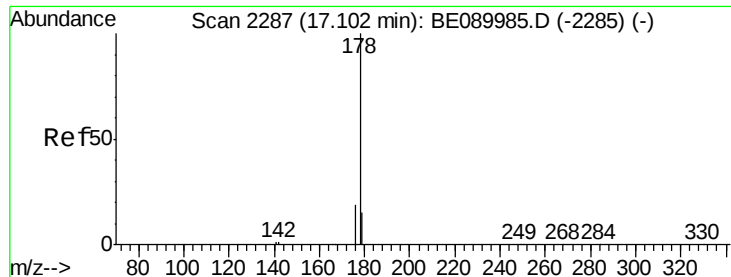
Tgt Ion:188 Resp: 90602
Ion Ratio Lower Upper
188 100
94 13.3 4.1 6.1#
80 14.4 4.2 6.2#



#22
Phenanthrene
Concen: 2.04 ng
RT: 17.01 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE090035.D
Acq: 1 Jul 2015 7:10

Tgt Ion:178 Resp: 47310
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.4 18.6





#23

Anthracene

Concen: 0.45 ng m

RT: 17.10 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

Instrument :

BNA_E

ClientSampleId :

X1SS0660624-150626

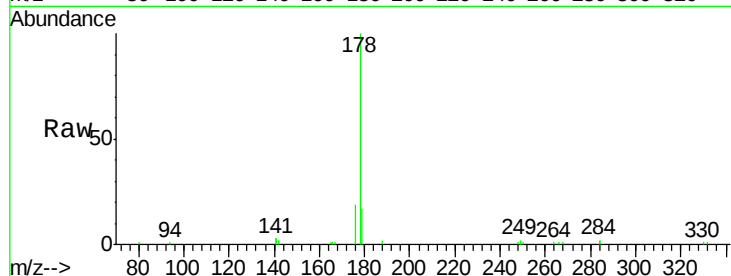
Tgt Ion:178 Resp: 9585

Ion Ratio Lower Upper

178 100

176 95.6 14.7 22.1#

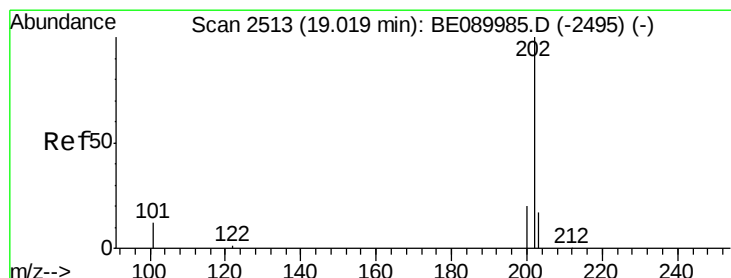
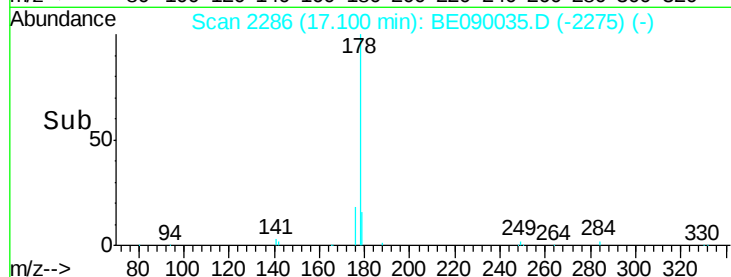
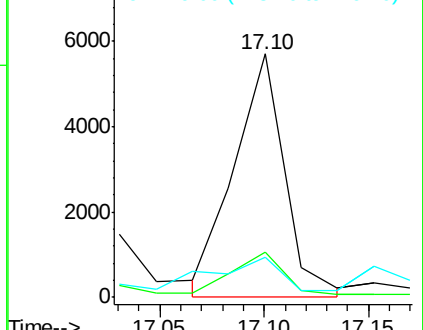
179 76.9 12.1 18.1#



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



#24

Fluoranthene

Concen: 7.71 ng

RT: 19.01 min Scan# 2510

Delta R.T. -0.01 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

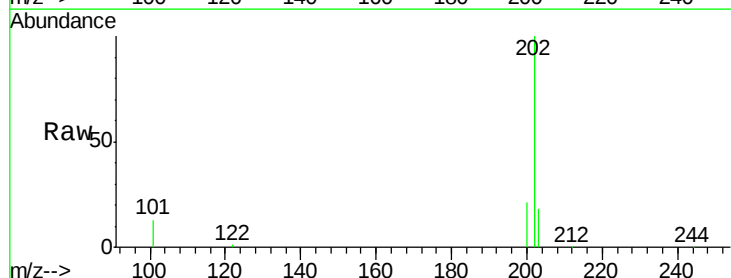
Tgt Ion:202 Resp: 199925

Ion Ratio Lower Upper

202 100

101 13.6 10.6 15.8

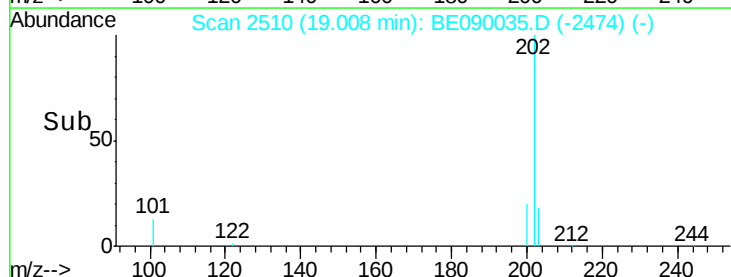
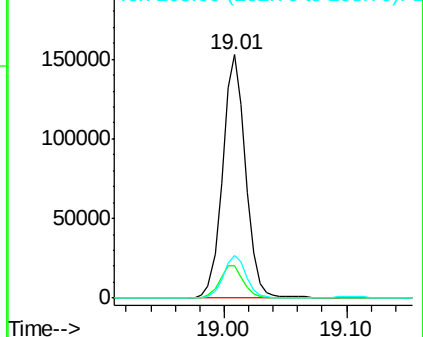
203 17.5 13.8 20.6

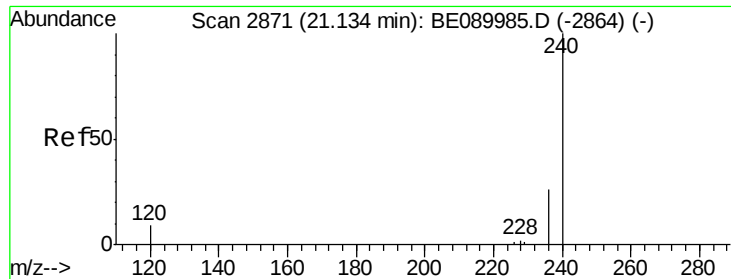


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

Instrument :

BNA_E

ClientSampleId :

X1SS0660624-150626

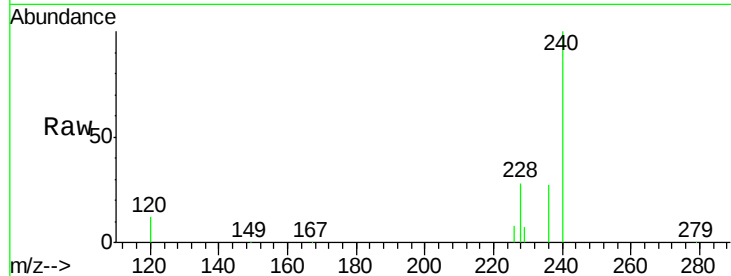
Tgt Ion:240 Resp: 112852

Ion Ratio Lower Upper

240 100

120 11.8 6.9 10.3#

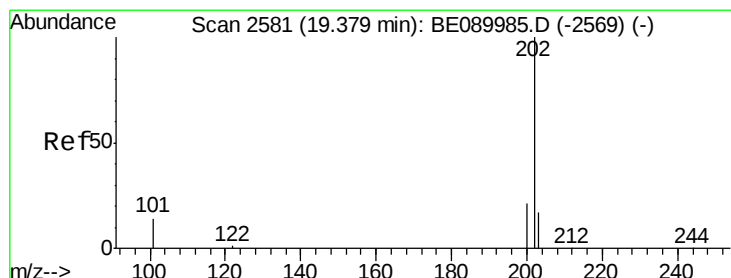
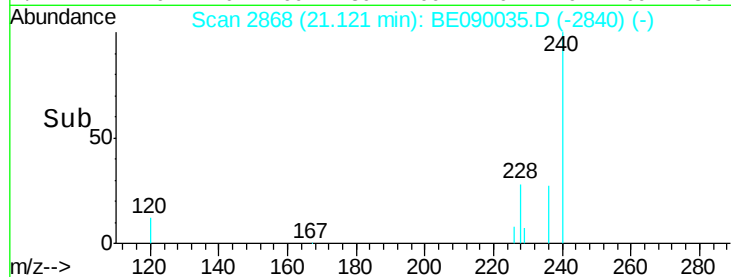
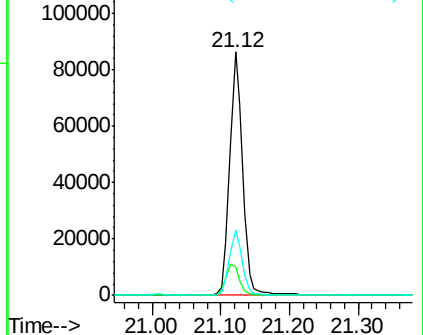
236 27.0 20.8 31.2



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



#26

Pyrene

Concen: 7.29 ng

RT: 19.37 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

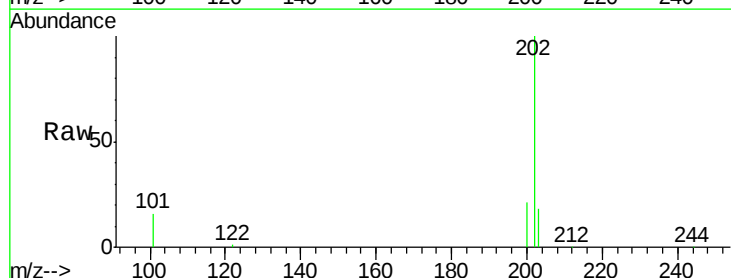
Tgt Ion:202 Resp: 196162

Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

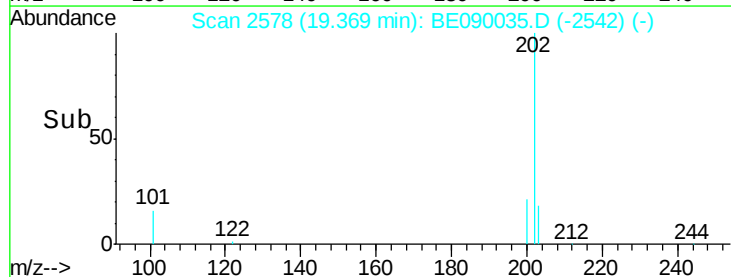
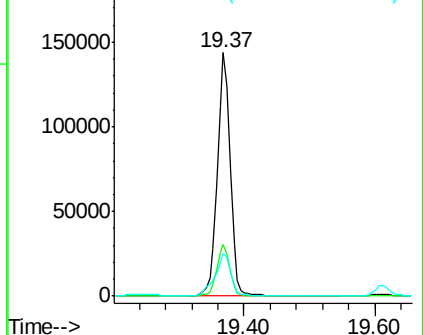
203 21.3 13.9 20.9#

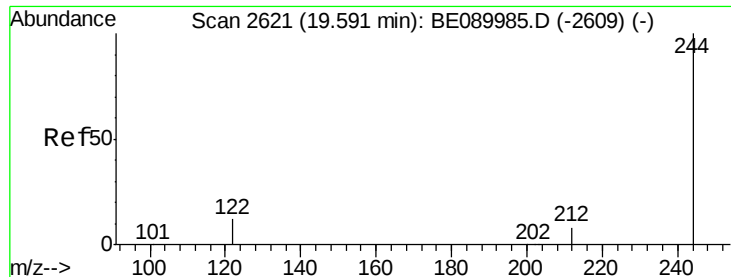


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

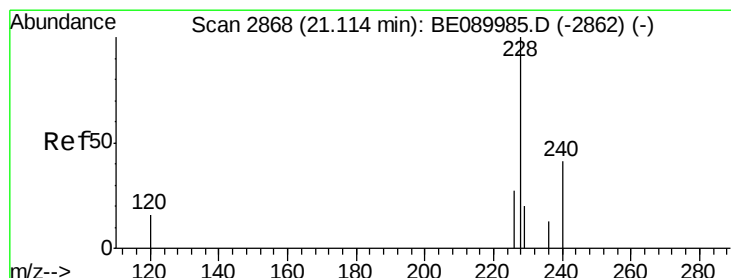
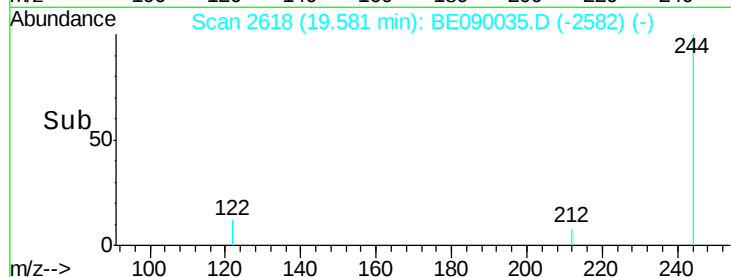
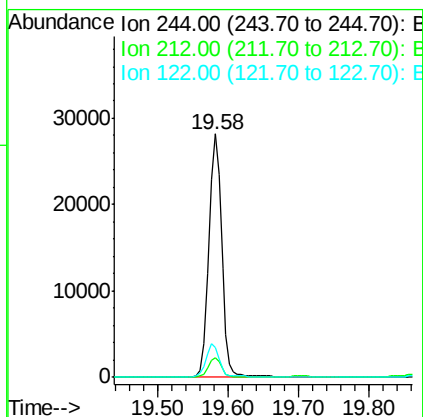
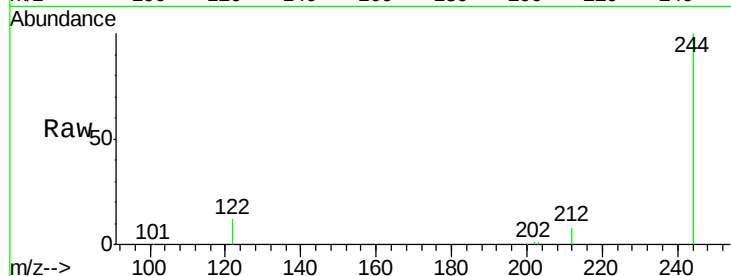




#27
 Terphenyl-d14
 Concen: 1.91 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090035.D
 Acq: 1 Jul 2015 7:10

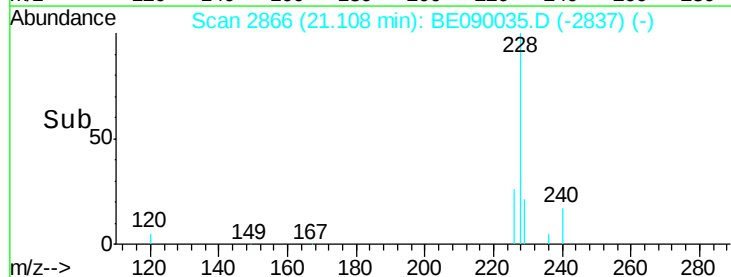
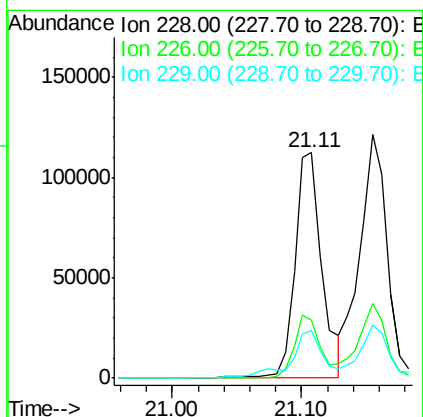
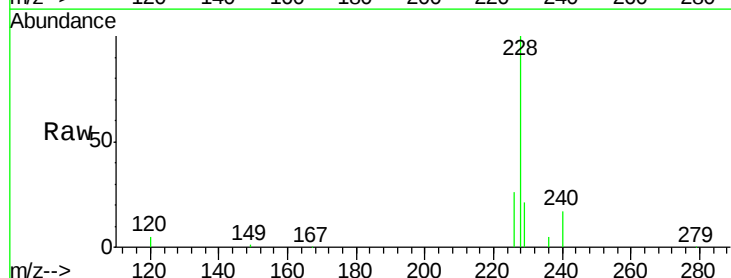
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626

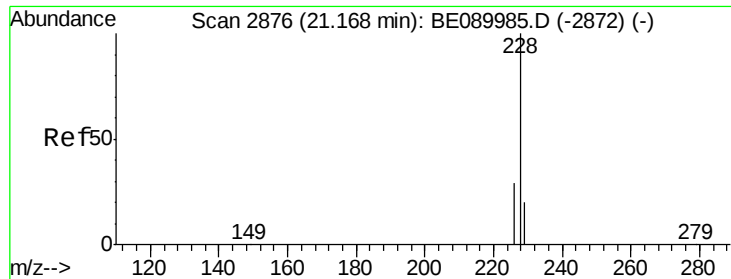
Tgt Ion: 244 Resp: 35885
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 12.5 9.8 14.8



#28
 Benzo(a)anthracene
 Concen: 5.75 ng
 RT: 21.11 min Scan# 2866
 Delta R.T. -0.01 min
 Lab File: BE090035.D
 Acq: 1 Jul 2015 7:10

Tgt Ion: 228 Resp: 162091
 Ion Ratio Lower Upper
 228 100
 226 26.0 21.8 32.6
 229 21.4 15.8 23.6





#29

Chrysene

Concen: 6.11 ng

RT: 21.16 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

Instrument :

BNA_E

ClientSampleId :

X1SS0660624-150626

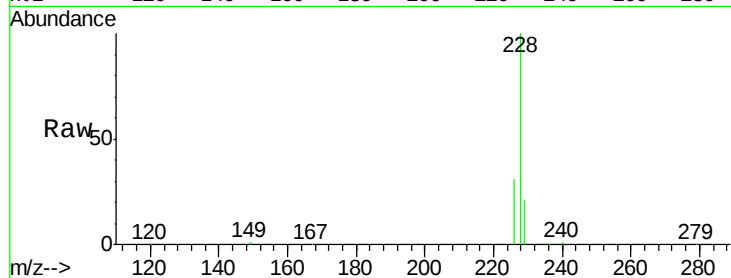
Tgt Ion:228 Resp: 178711

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

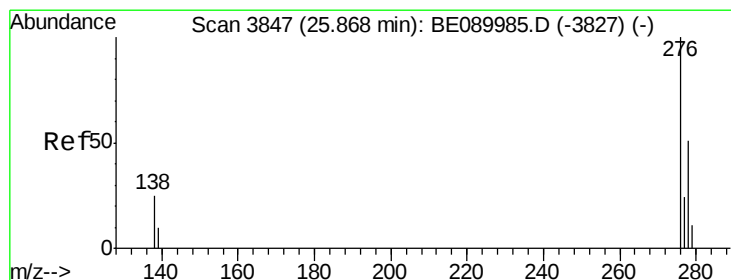
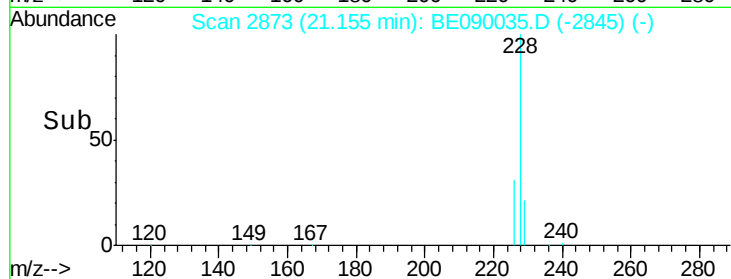
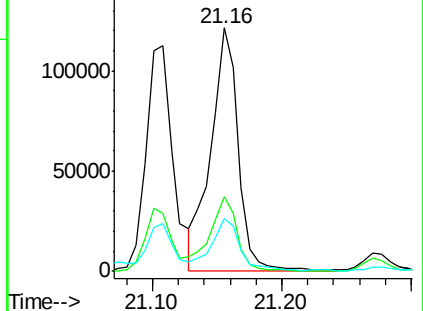
229 21.5 16.2 24.2



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



#31

Indeno(1,2,3-cd)pyrene

Concen: 4.15 ng

RT: 25.84 min Scan# 3840

Delta R.T. -0.03 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

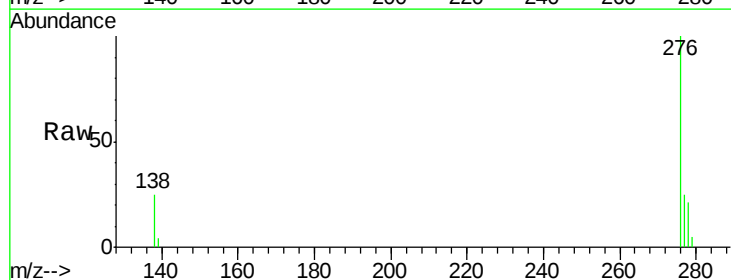
Tgt Ion:276 Resp: 116408

Ion Ratio Lower Upper

276 100

138 24.2 21.3 31.9

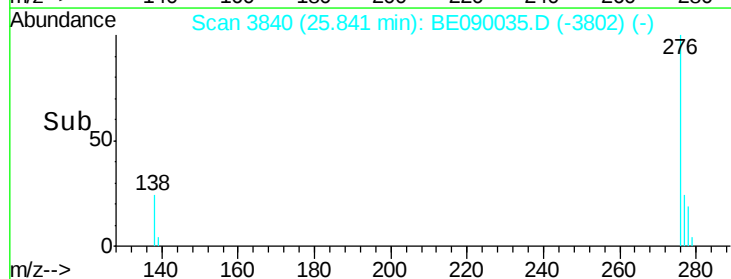
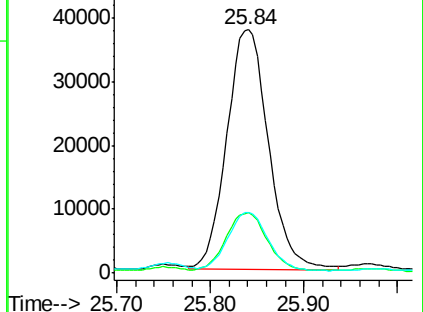
277 23.6 19.7 29.5

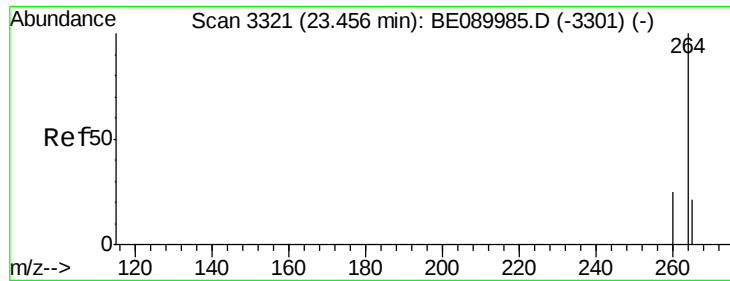


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

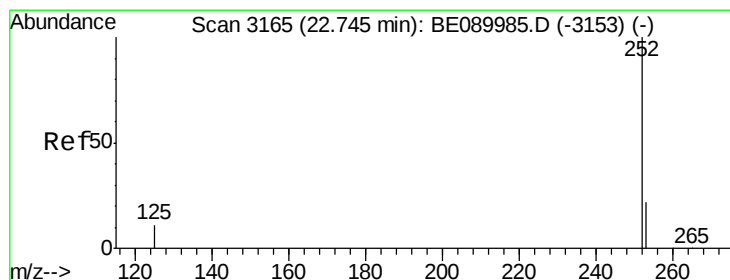
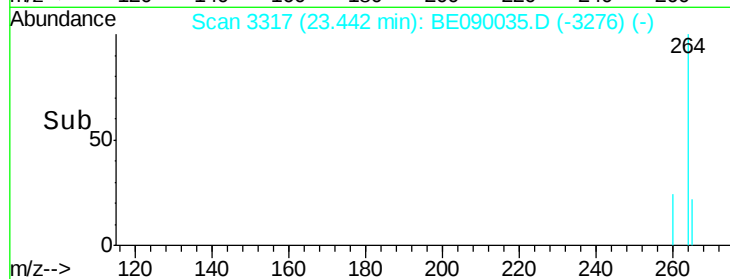
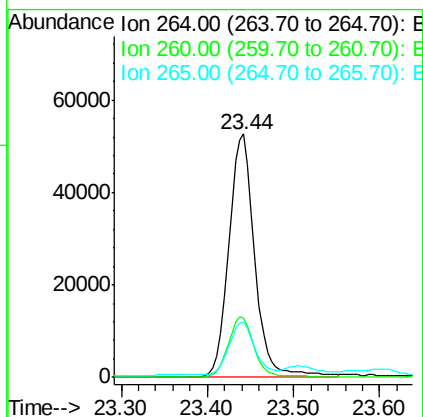
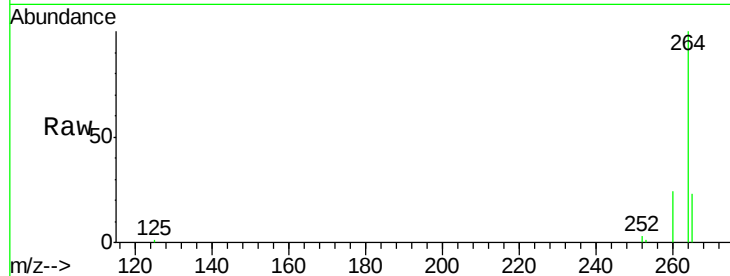




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.44 min Scan# 3317
 Delta R.T. -0.01 min
 Lab File: BE090035.D
 Acq: 1 Jul 2015 7:10

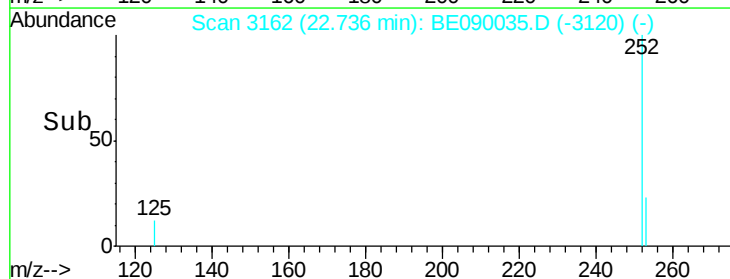
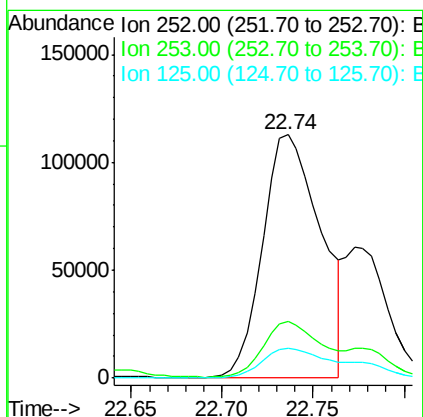
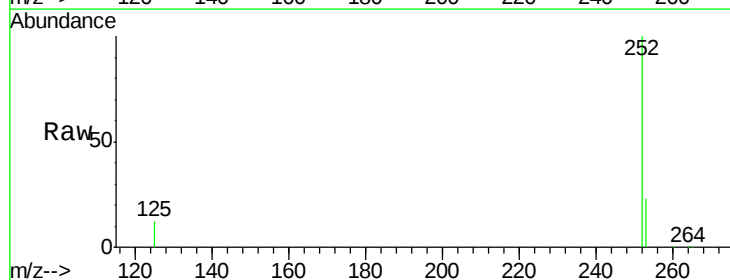
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626

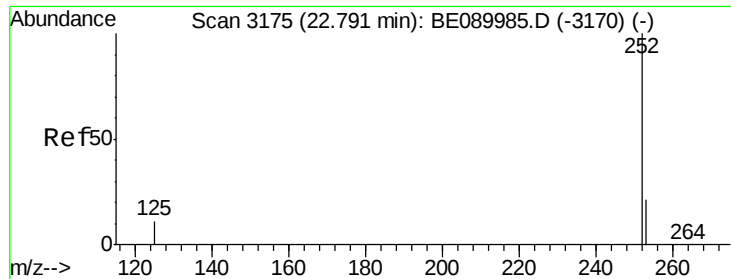
Tgt Ion: 264 Resp: 109587
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.2 30.2
 265 22.8 17.1 25.7



#33
 Benzo(b)fluoranthene
 Concen: 10.34 ng
 RT: 22.74 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BE090035.D
 Acq: 1 Jul 2015 7:10

Tgt Ion: 252 Resp: 249970
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.8 26.8
 125 12.2 9.0 13.4





#34

Benzo(k)fluoranthene

Concen: 3.78 ng m

RT: 22.77 min Scan# 3170

Delta R.T. -0.02 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

Instrument :

BNA_E

ClientSampleId :

X1SS0660624-150626

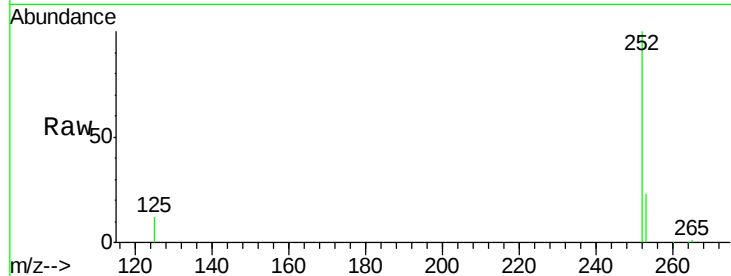
Tgt Ion:252 Resp: 102189

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

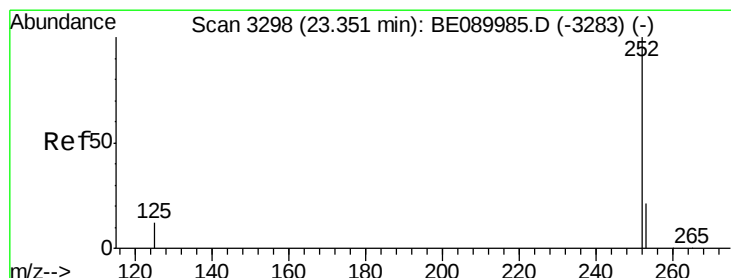
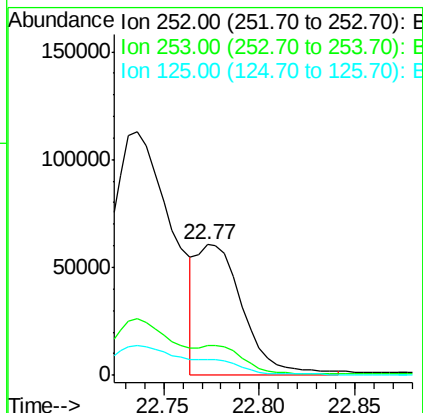
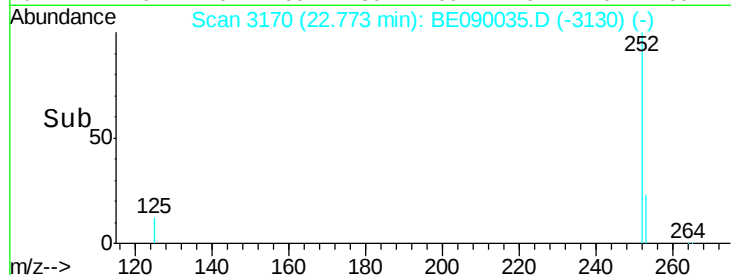
125 12.4 9.5 14.3



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



#35

Benzo(a)pyrene

Concen: 7.81 ng

RT: 23.34 min Scan# 3294

Delta R.T. -0.01 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

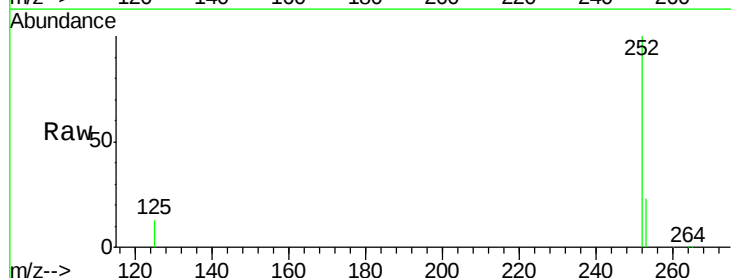
Tgt Ion:252 Resp: 174388

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

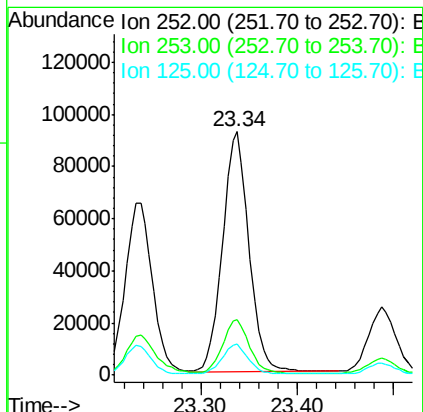
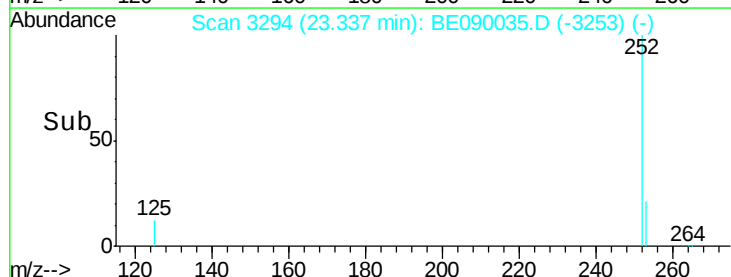
125 12.7 10.5 15.7

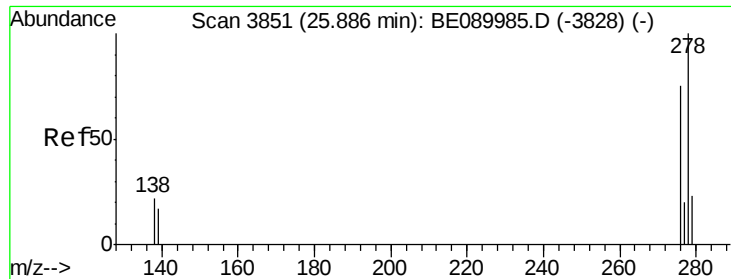


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 1.24 ng

RT: 25.85 min Scan# 3842

Delta R.T. -0.04 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

Instrument :

BNA_E

ClientSampleId :

X1SS0660624-150626

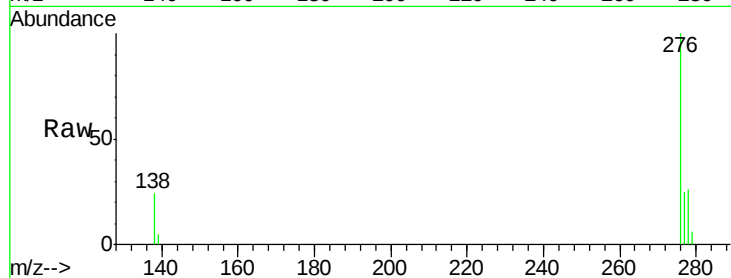
Tgt Ion: 278 Resp: 28472

Ion Ratio Lower Upper

278 100

139 19.5 14.4 21.6

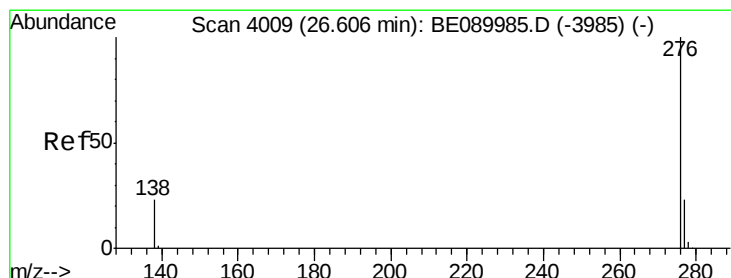
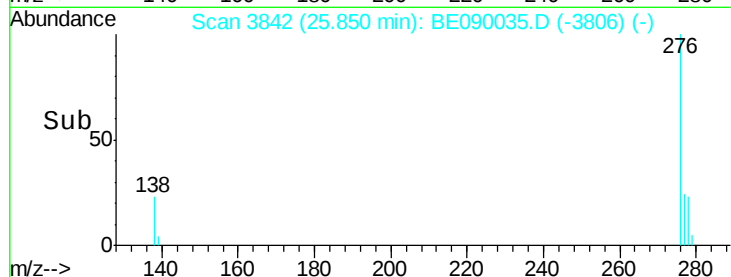
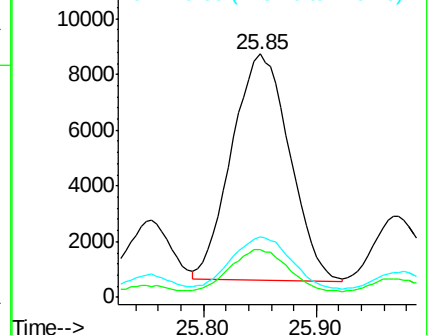
279 24.7 19.0 28.6



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



#37

Benzo(g,h,i)perylene

Concen: 5.22 ng

RT: 26.58 min Scan# 4002

Delta R.T. -0.03 min

Lab File: BE090035.D

Acq: 1 Jul 2015 7:10

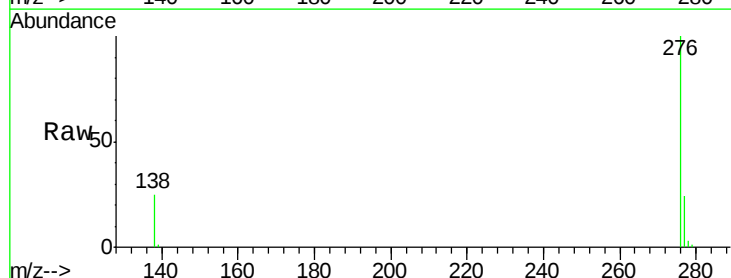
Tgt Ion: 276 Resp: 121203

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 25.5 18.6 27.8



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

