

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070615\
 Data File : BE090057.D
 Acq On : 6 Jul 2015 17:27
 Operator : TP/IZ
 Sample : G2824-01DL 25X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626DL

Quant Time: Jul 07 01:25:11 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	18658	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	82217	5.00	ng	-0.02
12) Acenaphthene-d10	14.23	164	47781	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	112817	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	134807	5.00	ng	-0.01
32) Perylene-d12	23.43	264	121274	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	892	0.21	ng	0.00
5) Phenol-d6	6.80	99	1233	0.21	ng	0.00
7) Nitrobenzene-d5	8.76	82	857	0.13	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	178	0.13	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	2255	0.16	ng	0.00
27) Terphenyl-d14	19.58	244	3316	0.15	ng	-0.01

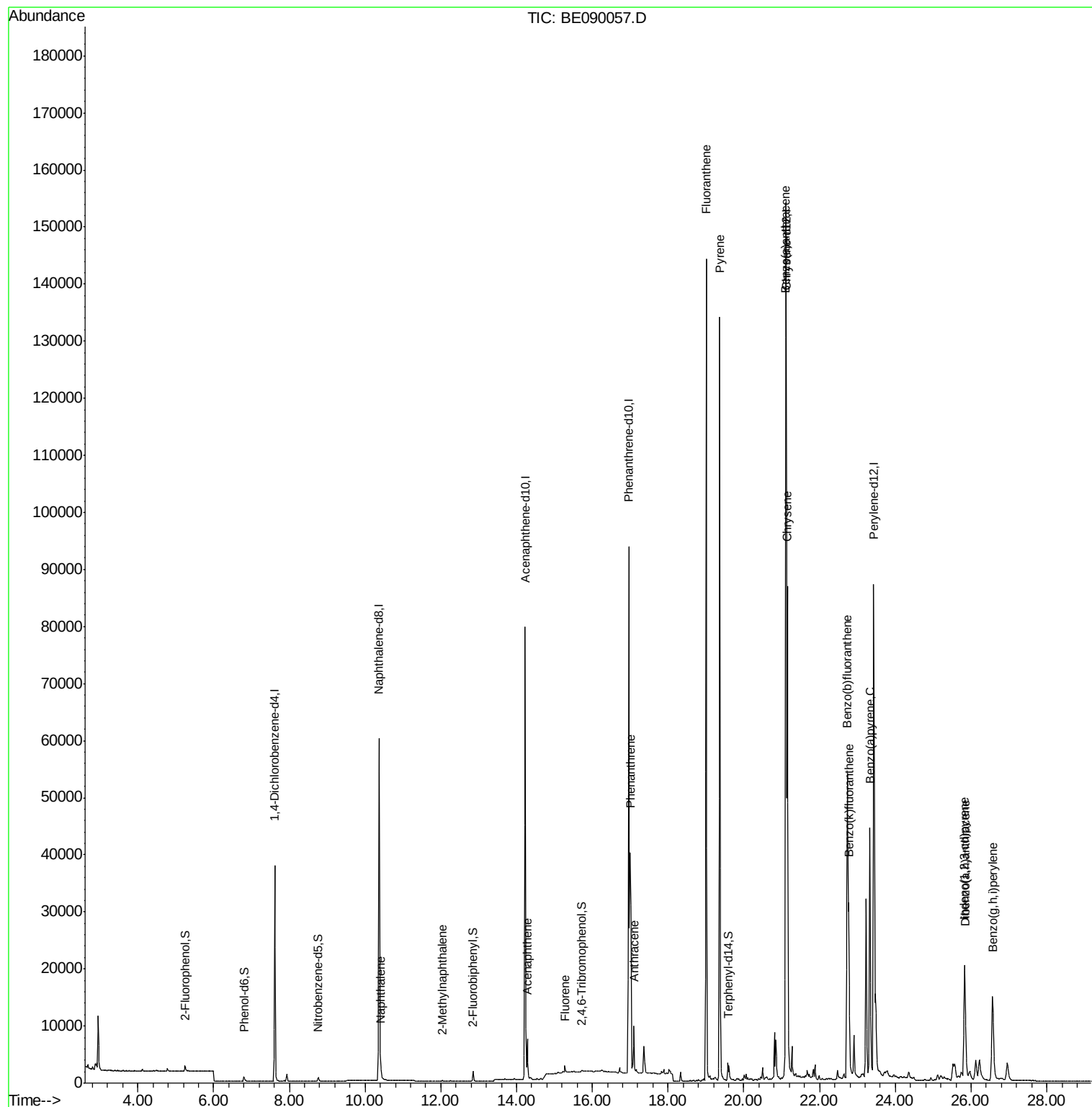
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.42	128	1226	0.07	ng	# 87
11) 2-Methylnaphthalene	12.04	142	261	0.02	ng	# 87
16) Acenaphthene	14.28	154	1190	0.10	ng	88
17) Fluorene	15.27	166	1044	0.06	ng	# 86
22) Phenanthrene	17.00	178	53842	1.86	ng	100
23) Anthracene	17.10	178	11328m	0.43	ng	
24) Fluoranthene	19.00	202	128674	3.99	ng	99
26) Pyrene	19.36	202	118885	3.70	ng	97
28) Benzo(a)anthracene	21.10	228	76055	2.26	ng	99
29) Chrysene	21.16	228	88087	2.52	ng	98
31) Indeno(1,2,3-cd)pyrene	25.83	276	34302	1.02	ng	97
33) Benzo(b)fluoranthene	22.73	252	91384	3.42	ng	98
34) Benzo(k)fluoranthene	22.77	252	41123m	1.38	ng	
35) Benzo(a)pyrene	23.33	252	63203	2.56	ng	98
36) Dibenzo(a,h)anthracene	25.85	278	8781	0.35	ng	97
37) Benzo(g,h,i)perylene	26.57	276	35558	1.38	ng	99

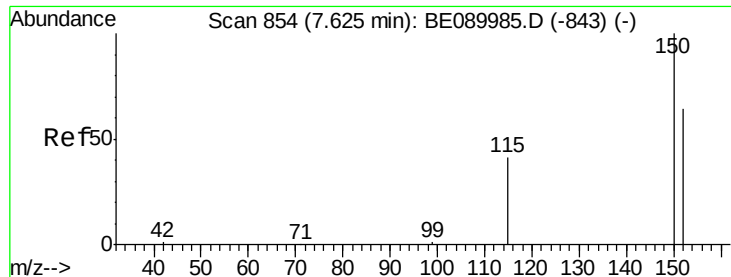
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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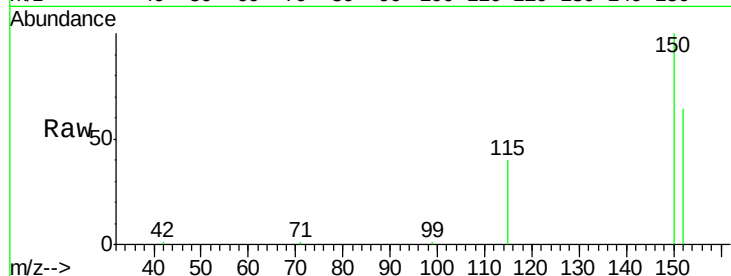


#1

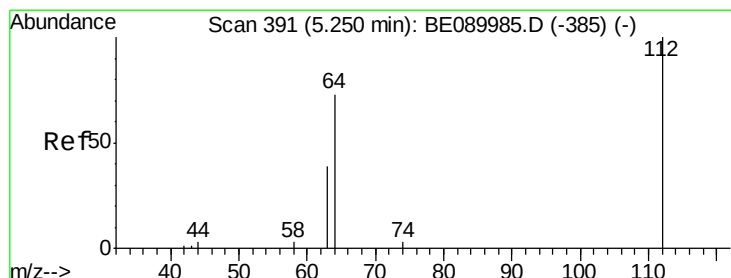
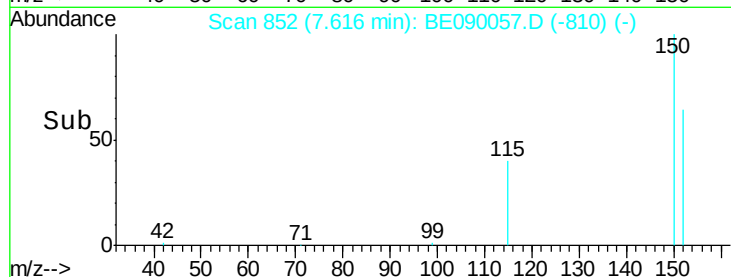
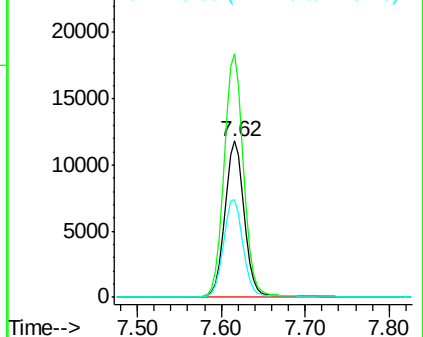
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BE090057.D
Acq: 6 Jul 2015 17:27

Instrument :
BNA_E
ClientSampleId :
X1SS0650006-150626DL

Tgt Ion:152 Resp: 18658
Ion Ratio Lower Upper
152 100
150 155.9 123.9 185.9
115 62.6 50.6 76.0



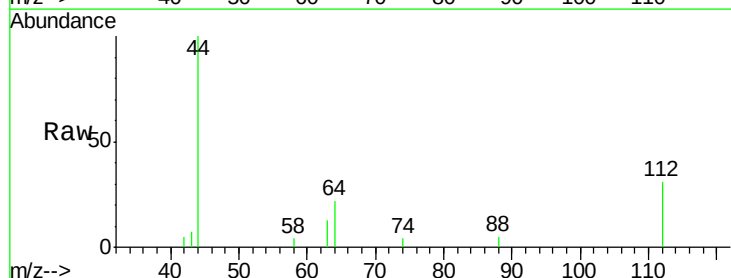
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



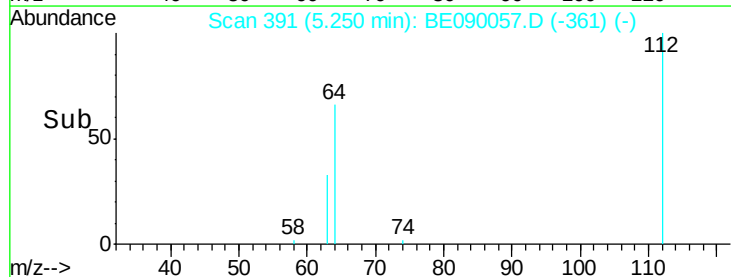
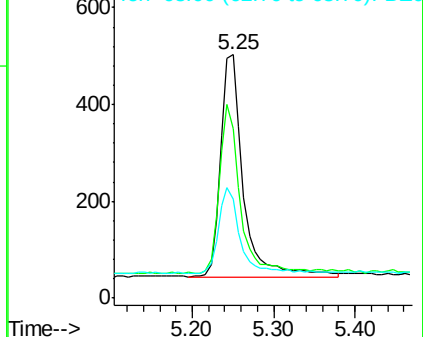
#4

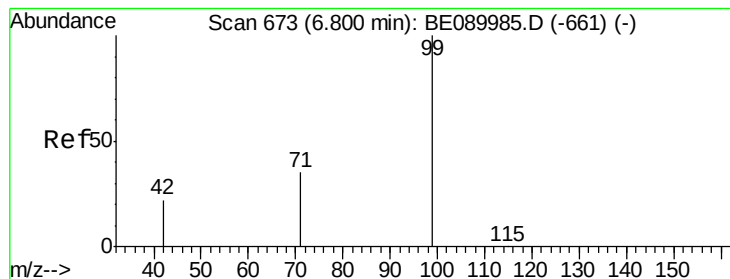
2-Fluorophenol
Concen: 0.21 ng
RT: 5.25 min Scan# 391
Delta R.T. 0.00 min
Lab File: BE090057.D
Acq: 6 Jul 2015 17:27

Tgt Ion:112 Resp: 892
Ion Ratio Lower Upper
112 100
64 70.3 56.3 84.5
63 37.1 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: 0.21 ng

RT: 6.80 min Scan# 673

Delta R.T. 0.00 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626DL

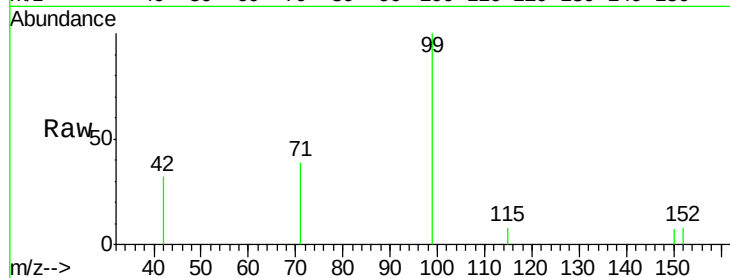
Tgt Ion: 99 Resp: 1233

Ion Ratio Lower Upper

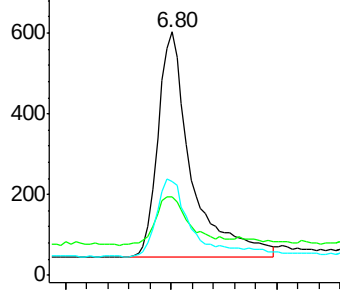
99 100

42 21.6 18.7 28.1

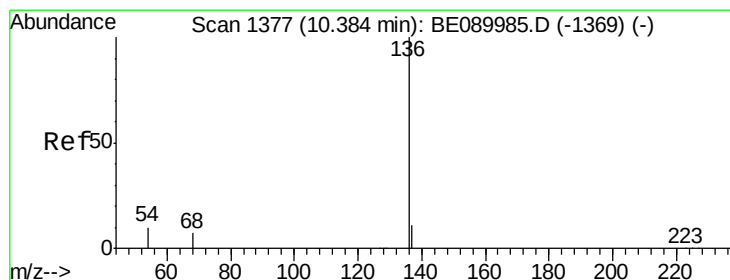
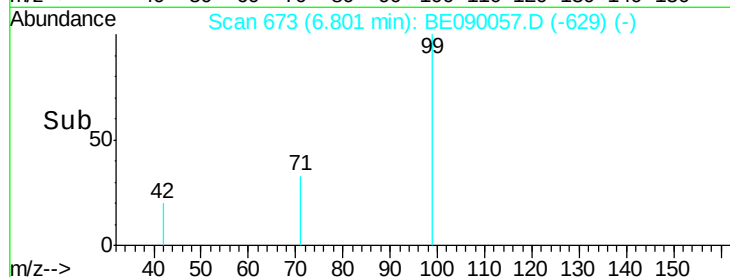
71 34.8 27.5 41.3



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



Time--> 6.70 6.80 6.90



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 1375

Delta R.T. -0.02 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

Tgt Ion: 136 Resp: 82217

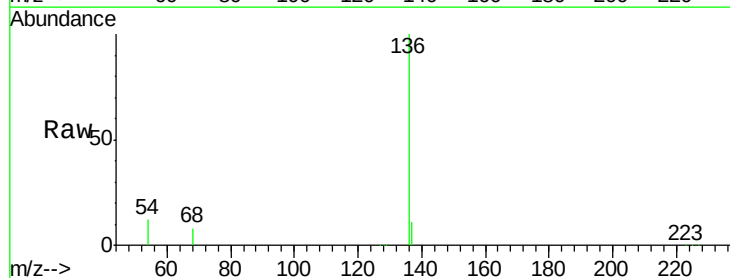
Ion Ratio Lower Upper

136 100

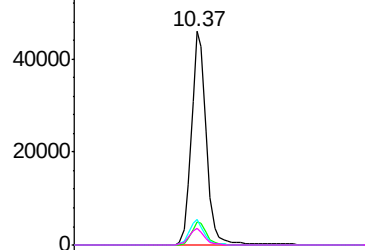
137 11.0 8.9 13.3

54 11.7 8.2 12.4

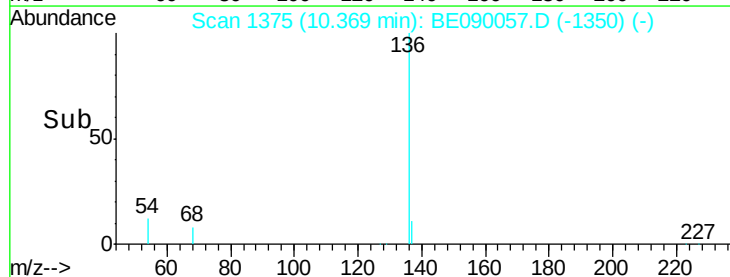
68 8.1 5.8 8.8

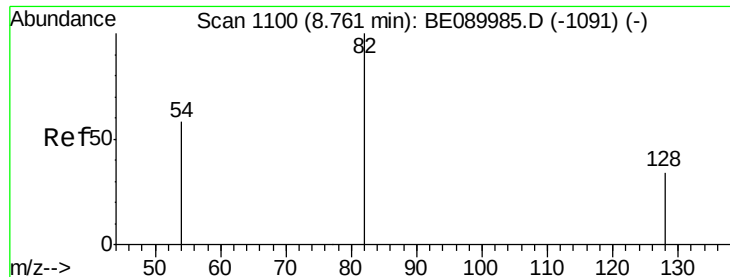


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.20 10.40 10.60





#7

Nitrobenzene-d5

Concen: 0.13 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626DL

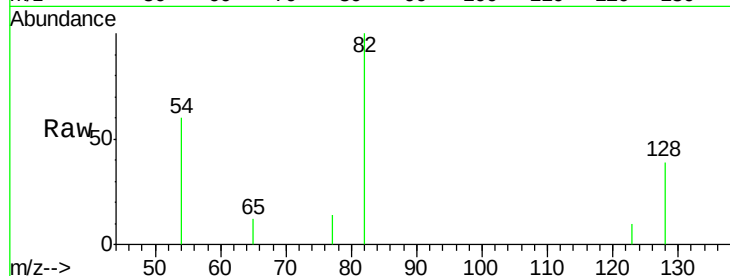
Tgt Ion: 82 Resp: 857

Ion Ratio Lower Upper

82 100

128 38.8 28.0 42.0

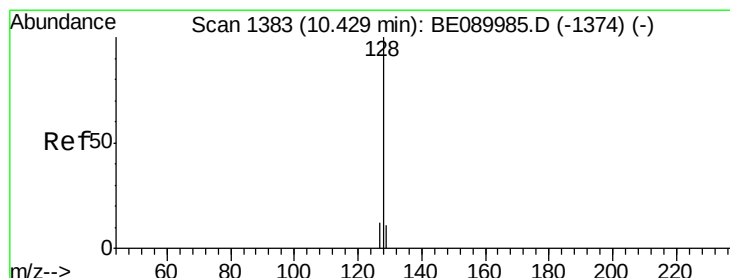
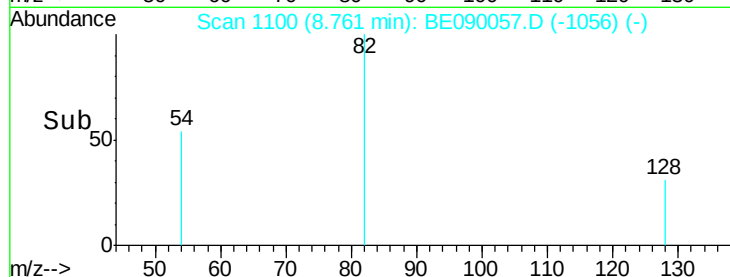
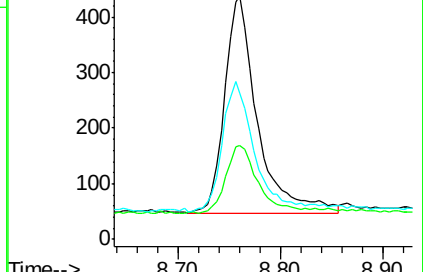
54 60.0 47.6 71.4



Abundance Ion 82.00 (81.70 to 82.70): BE089985.D (-1091) (-)

Ion 128.00 (127.70 to 128.70): BE089985.D (-1091) (-)

Ion 54.00 (53.70 to 54.70): BE089985.D (-1091) (-)



#9

Naphthalene

Concen: 0.07 ng

RT: 10.42 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

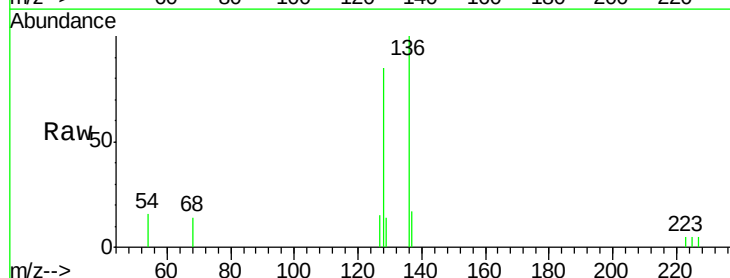
Tgt Ion: 128 Resp: 1226

Ion Ratio Lower Upper

128 100

129 16.8 9.3 13.9#

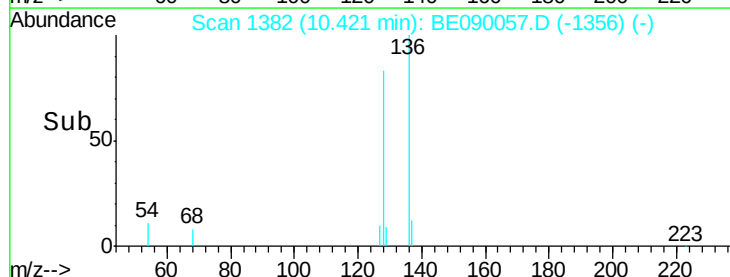
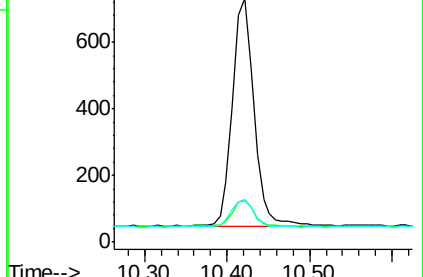
127 17.6 10.2 15.4#

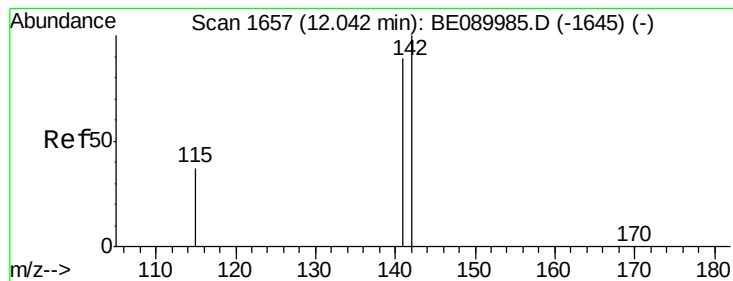


Abundance Ion 128.00 (127.70 to 128.70): BE089985.D (-1374) (-)

Ion 129.00 (128.70 to 129.70): BE089985.D (-1374) (-)

Ion 127.00 (126.70 to 127.70): BE089985.D (-1374) (-)





#11

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.04 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626DL

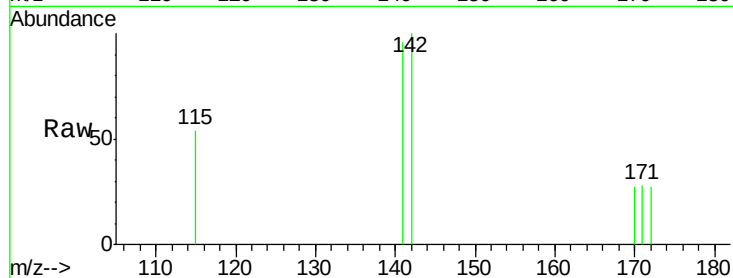
Tgt Ion:142 Resp: 261

Ion Ratio Lower Upper

142 100

141 96.4 71.3 106.9

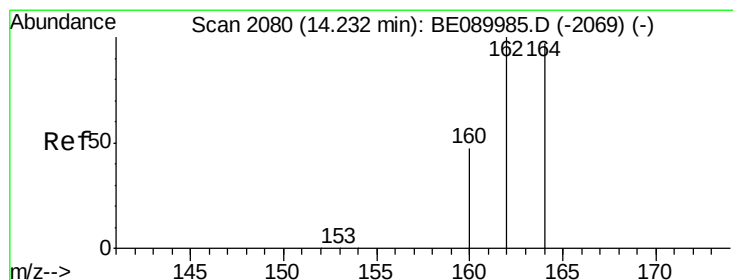
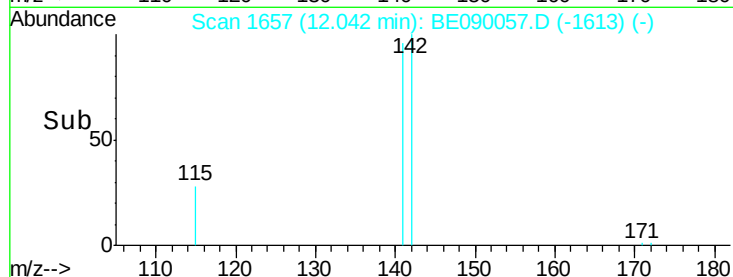
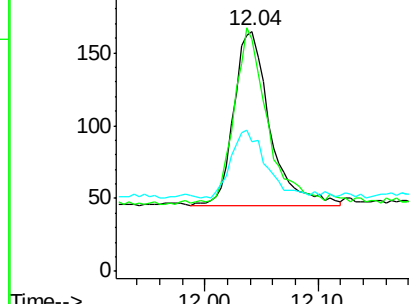
115 53.9 30.4 45.6#



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.23 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

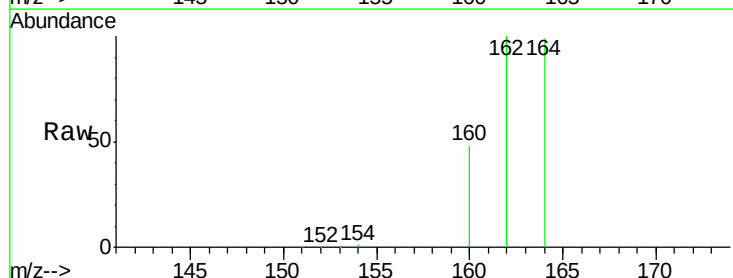
Tgt Ion:164 Resp: 47781

Ion Ratio Lower Upper

164 100

162 101.5 82.2 123.4

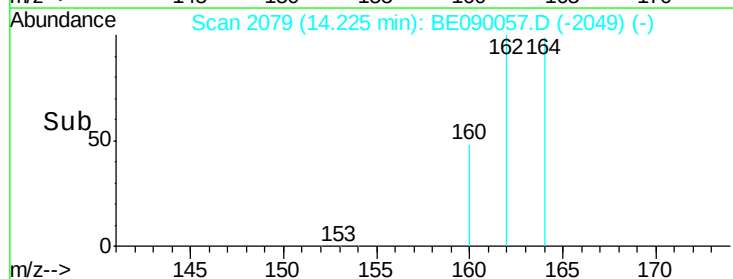
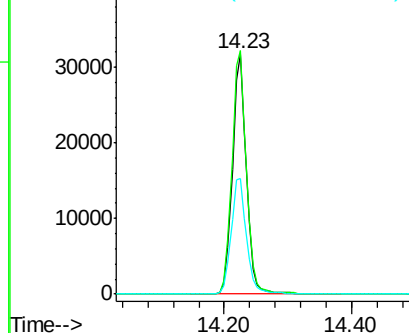
160 48.4 39.0 58.6

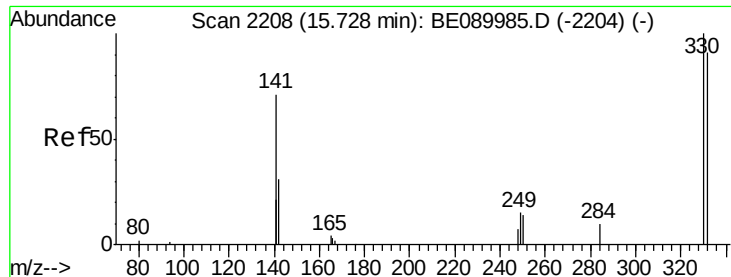


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

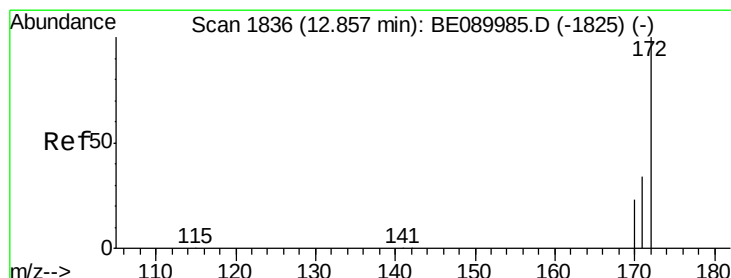
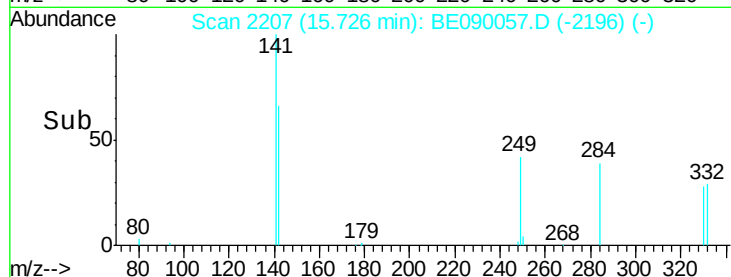
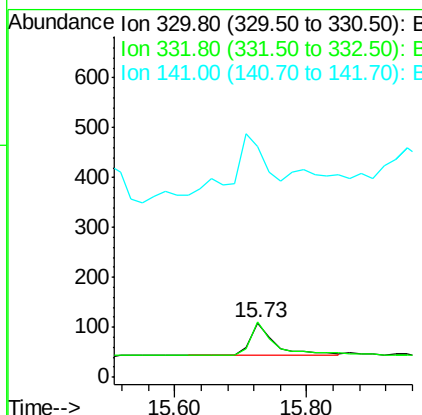
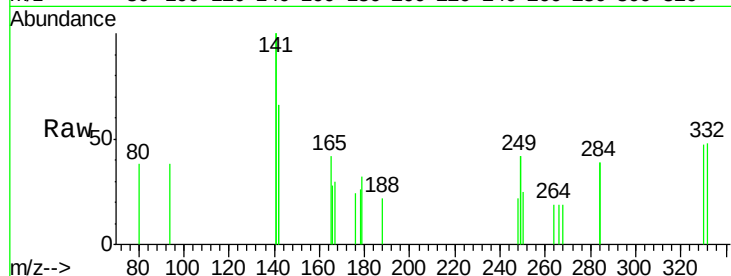




#13
 2,4,6-Tribromophenol
 Concen: 0.13 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090057.D
 Acq: 6 Jul 2015 17:27

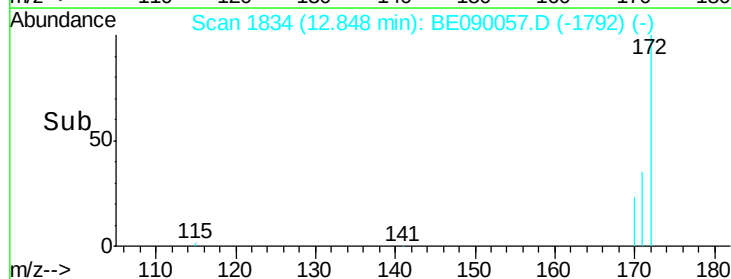
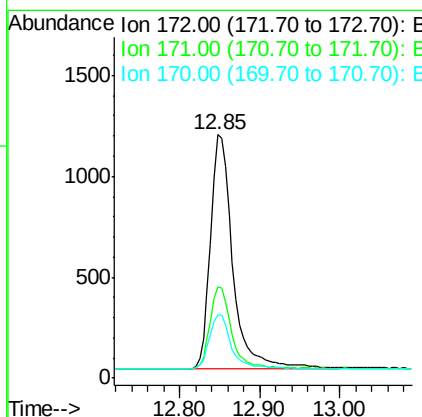
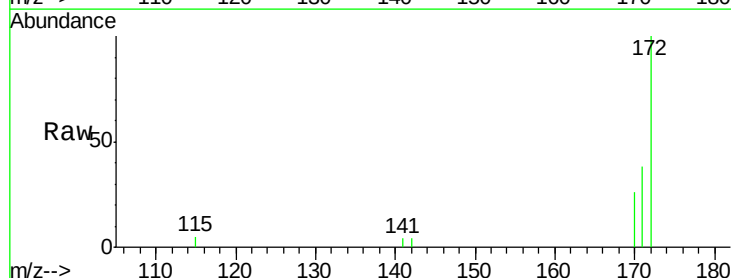
Instrument :
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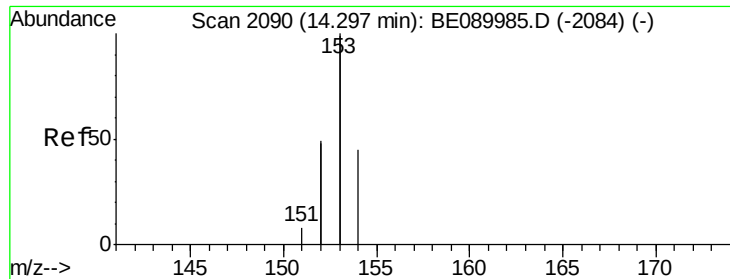
Tgt Ion: 330 Resp: 178
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.4 114.6
 141 333.1 130.3 195.5#



#14
 2-Fluorobiphenyl
 Concen: 0.16 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090057.D
 Acq: 6 Jul 2015 17:27

Tgt Ion: 172 Resp: 2255
 Ion Ratio Lower Upper
 172 100
 171 37.6 27.8 41.6
 170 26.0 18.3 27.5





#16

Acenaphthene

Concen: 0.10 ng

RT: 14.28 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626DL

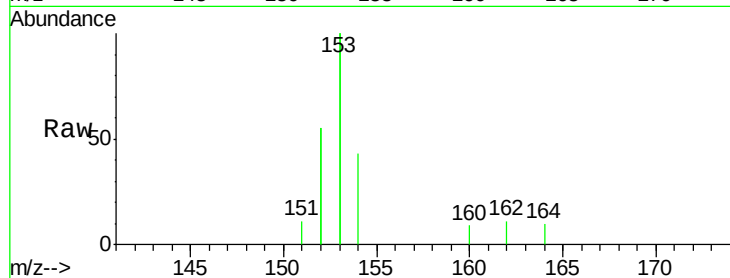
Tgt Ion:154 Resp: 1190

Ion Ratio Lower Upper

154 100

153 470.2 358.6 538.0

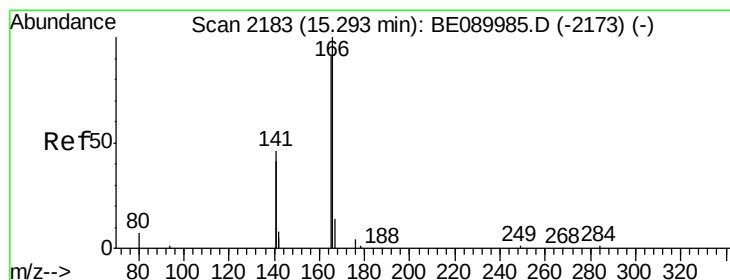
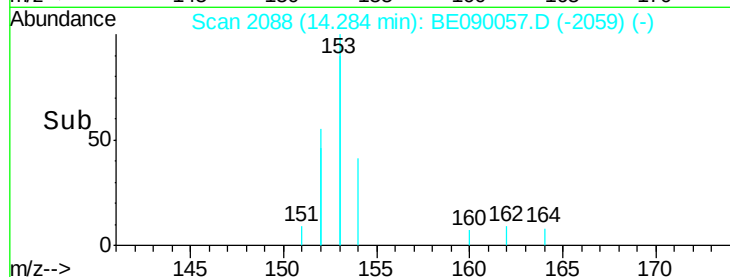
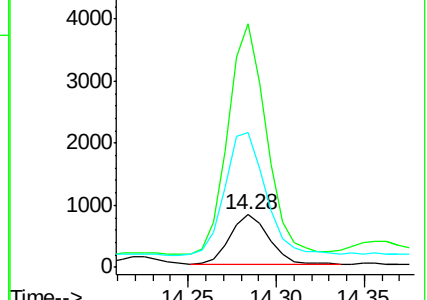
152 266.0 189.6 284.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#17

Fluorene

Concen: 0.06 ng

RT: 15.27 min Scan# 2181

Delta R.T. -0.02 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

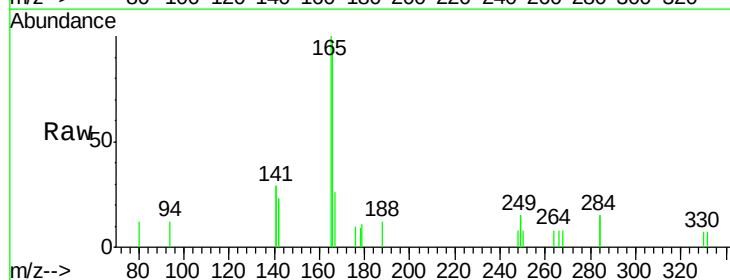
Tgt Ion:166 Resp: 1044

Ion Ratio Lower Upper

166 100

165 112.8 79.0 118.6

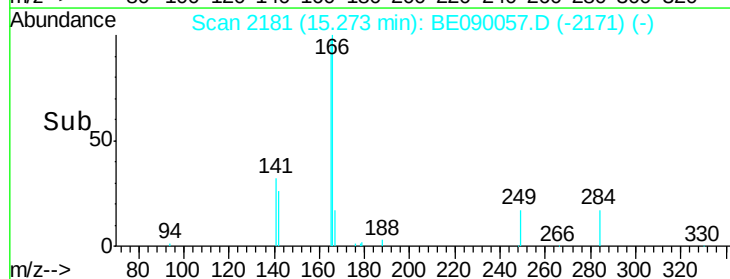
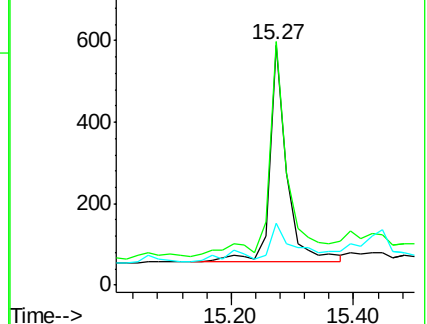
167 21.3 11.8 17.8#

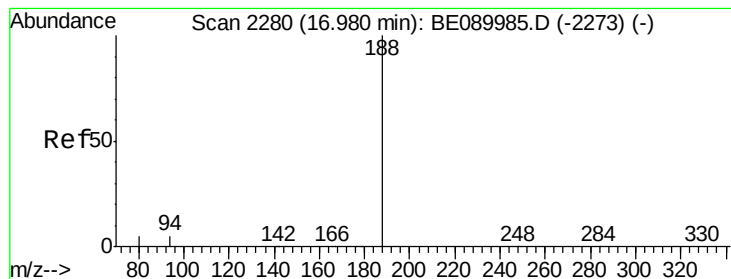


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.96 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626DL

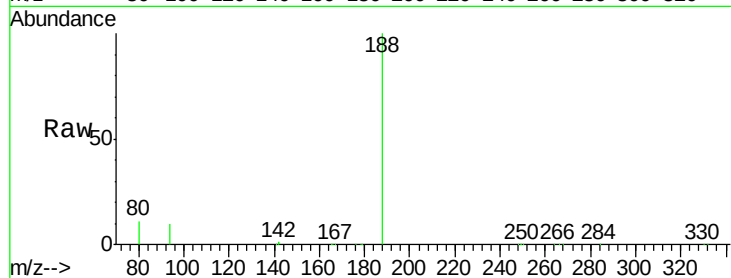
Tgt Ion:188 Resp: 112817

Ion Ratio Lower Upper

188 100

94 10.4 4.1 6.1#

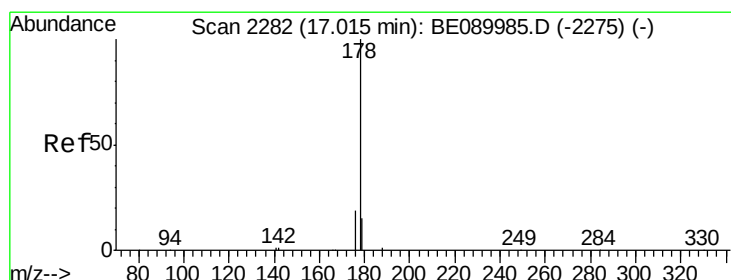
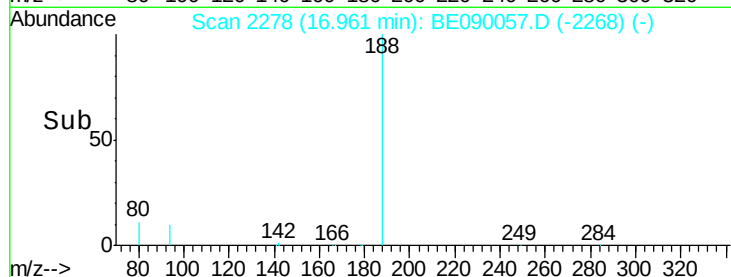
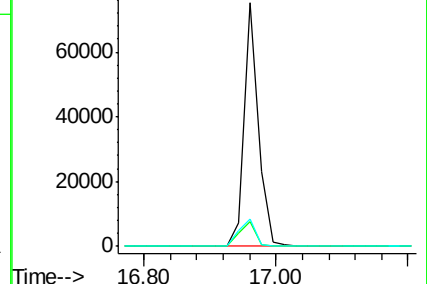
80 11.3 4.2 6.2#



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



#22

Phenanthrene

Concen: 1.86 ng

RT: 17.00 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

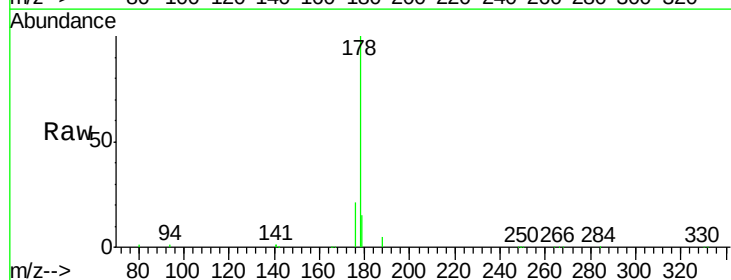
Tgt Ion:178 Resp: 53842

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

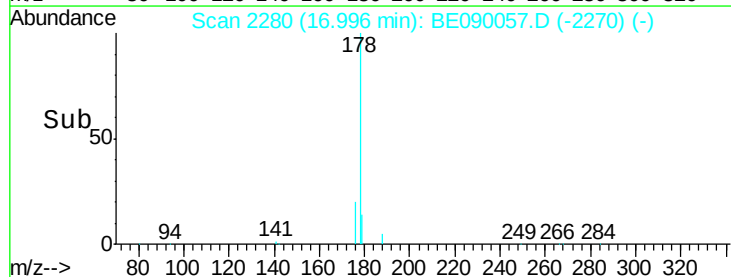
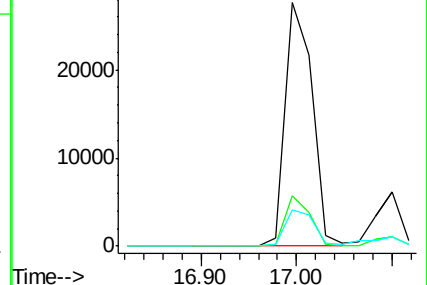
179 15.6 12.4 18.6

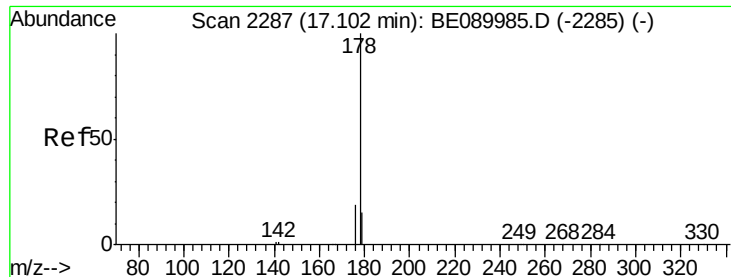


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.43 ng m

RT: 17.10 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626DL

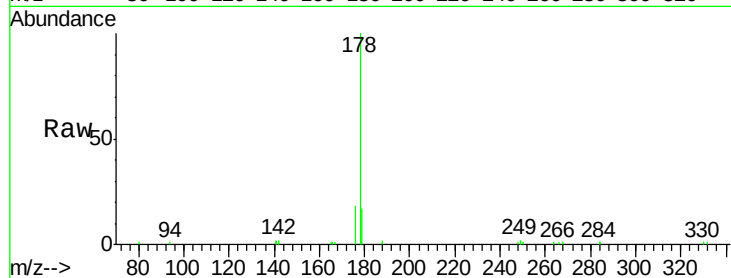
Tgt Ion:178 Resp: 11328

Ion Ratio Lower Upper

178 100

176 90.9 14.7 22.1#

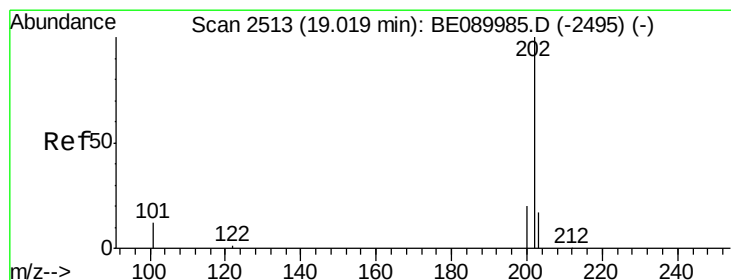
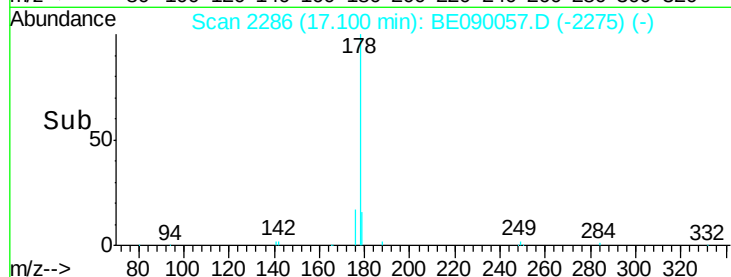
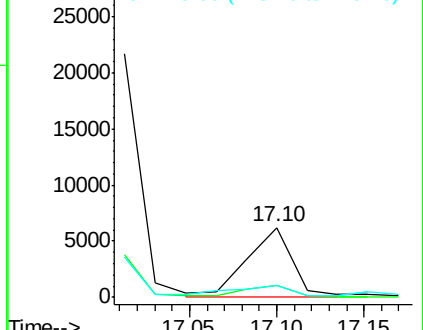
179 74.3 12.1 18.1#



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: 3.99 ng

RT: 19.00 min Scan# 2509

Delta R.T. -0.02 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

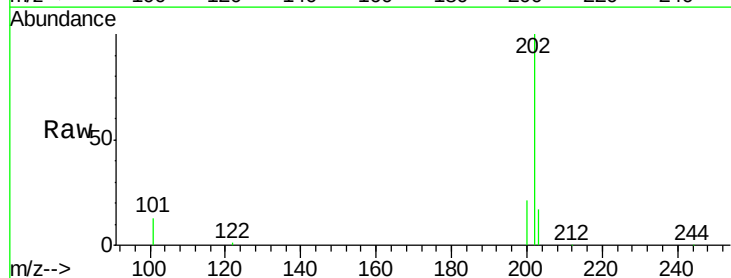
Tgt Ion:202 Resp: 128674

Ion Ratio Lower Upper

202 100

101 12.9 10.6 15.8

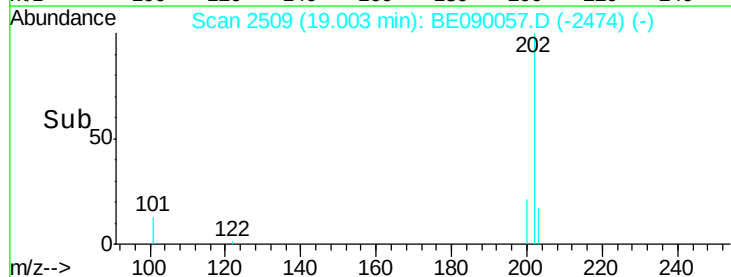
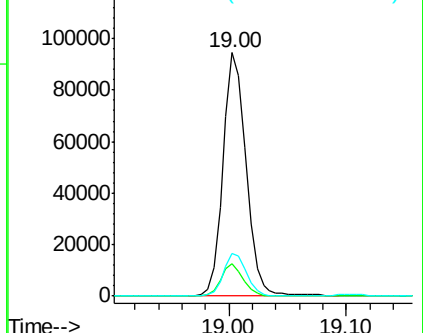
203 17.4 13.8 20.6

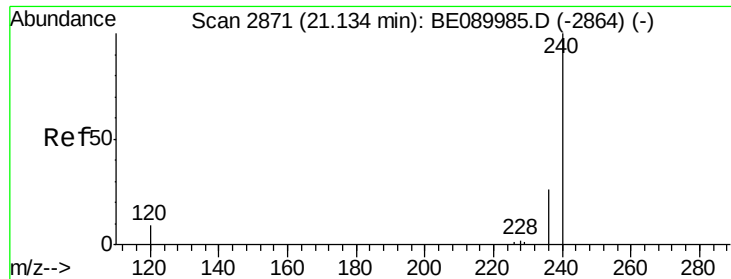


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

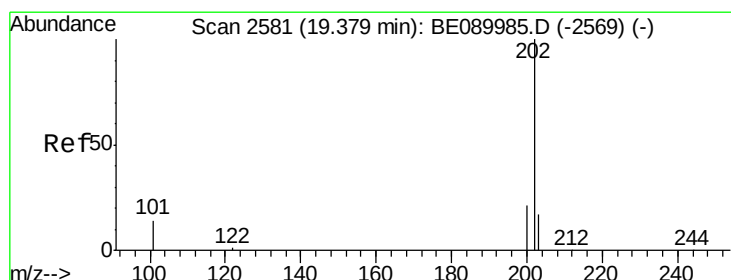
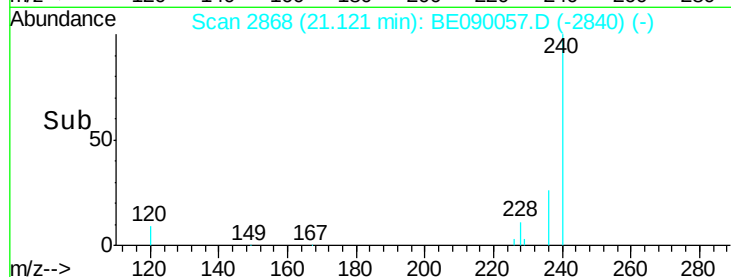
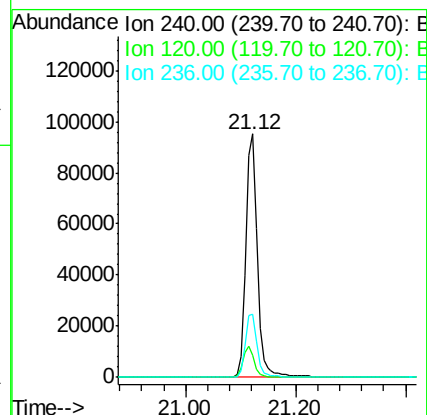
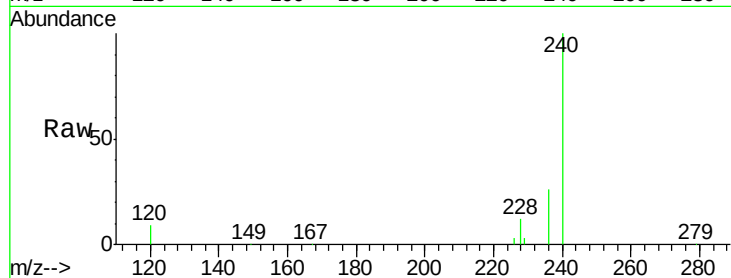




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 2868
Delta R.T. -0.01 min
Lab File: BE090057.D
Acq: 6 Jul 2015 17:27

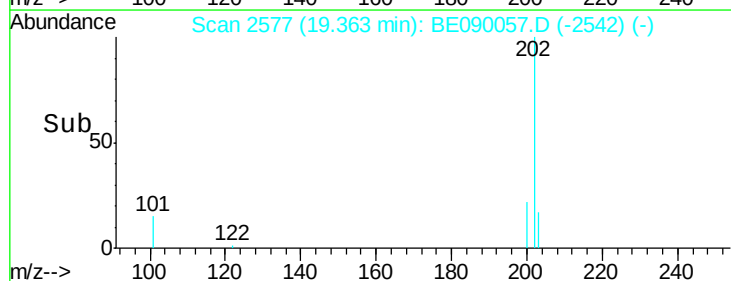
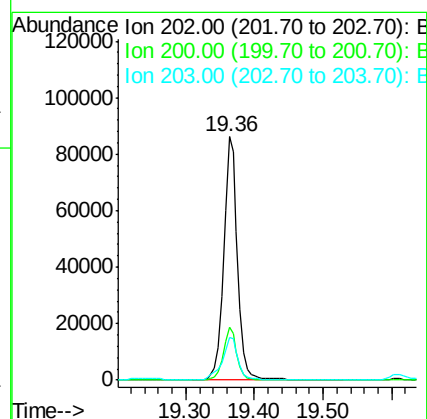
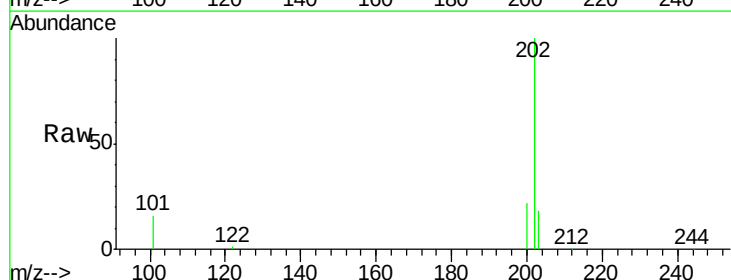
Instrument :
BNA_E
ClientSampleId :
X1SS0650006-150626DL

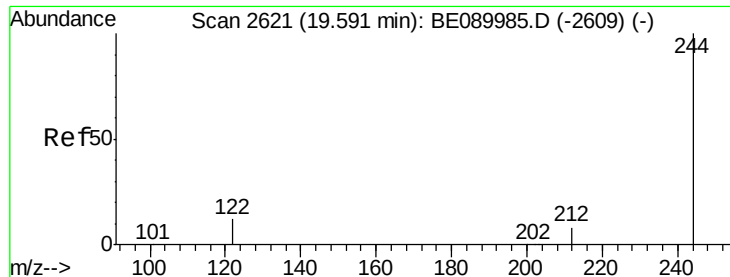
Tgt Ion:240 Resp: 134807
Ion Ratio Lower Upper
240 100
120 9.1 6.9 10.3
236 26.0 20.8 31.2



#26
Pyrene
Concen: 3.70 ng
RT: 19.36 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BE090057.D
Acq: 6 Jul 2015 17:27

Tgt Ion:202 Resp: 118885
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 19.9 13.9 20.9

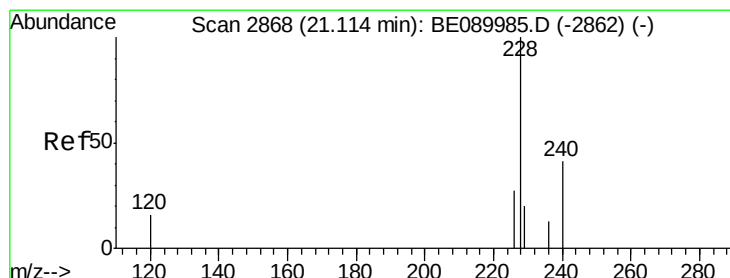
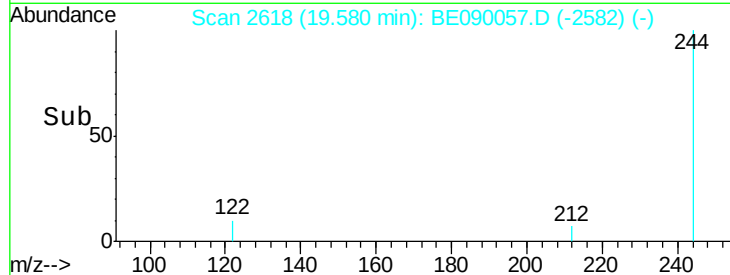
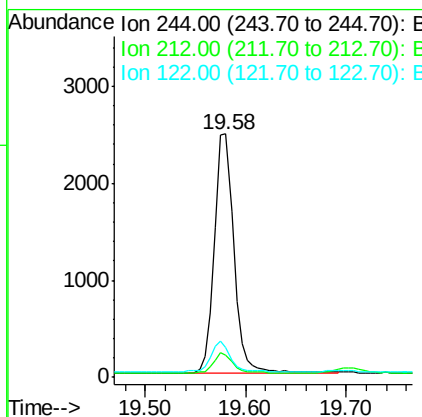
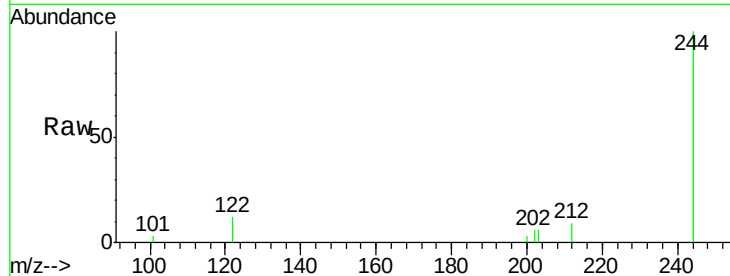




#27
 Terphenyl-d14
 Concen: 0.15 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090057.D
 Acq: 6 Jul 2015 17:27

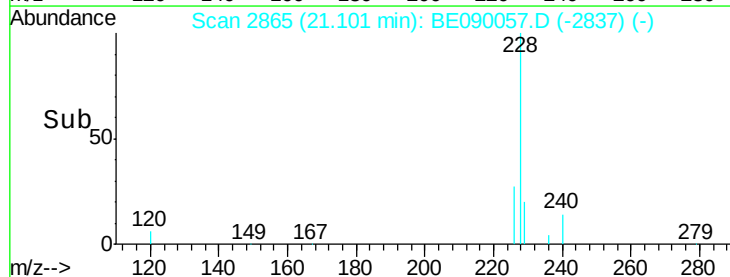
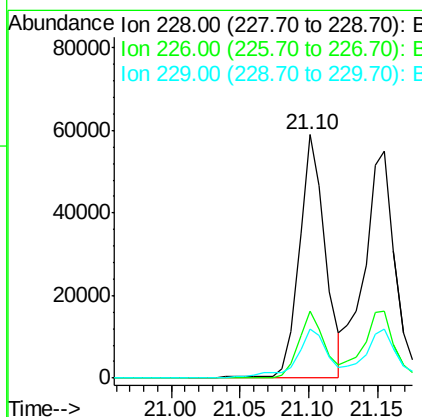
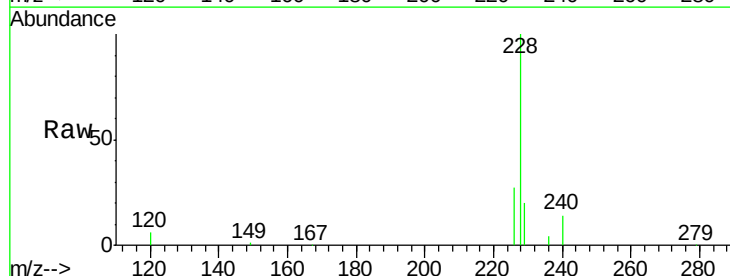
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626DL

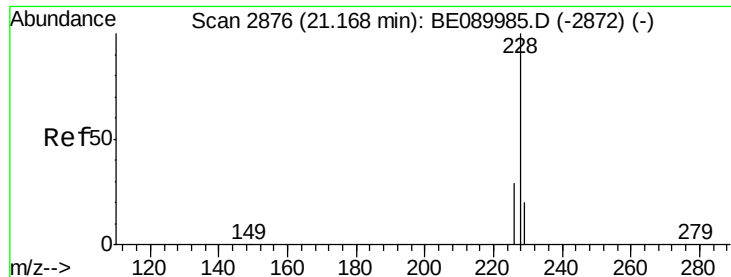
Tgt Ion: 244 Resp: 3316
 Ion Ratio Lower Upper
 244 100
 212 9.3 6.6 9.8
 122 12.3 9.8 14.8



#28
 Benzo(a)anthracene
 Concen: 2.26 ng
 RT: 21.10 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090057.D
 Acq: 6 Jul 2015 17:27

Tgt Ion: 228 Resp: 76055
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.8 32.6
 229 20.1 15.8 23.6





#29

Chrysene

Concen: 2.52 ng

RT: 21.16 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626DL

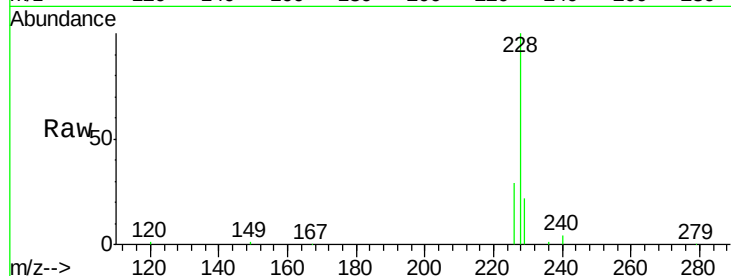
Tgt Ion:228 Resp: 88087

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.0

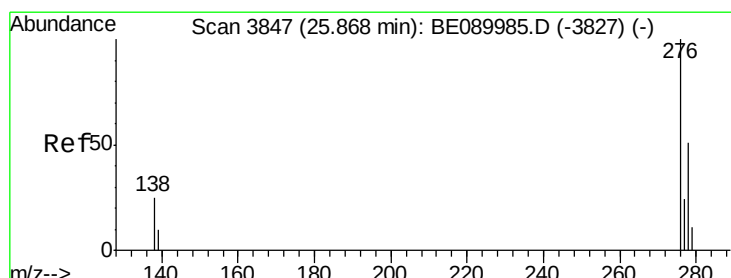
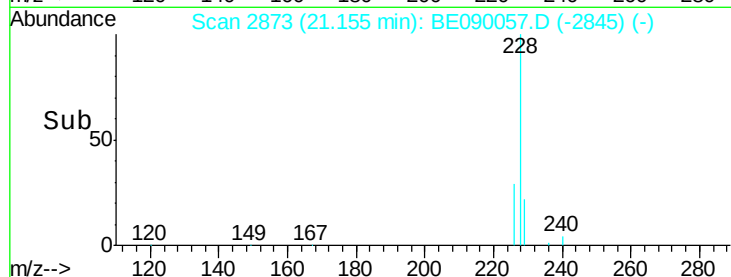
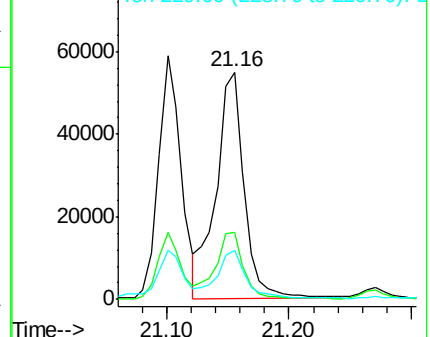
229 21.8 16.2 24.2



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: 1.02 ng

RT: 25.83 min Scan# 3838

Delta R.T. -0.04 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

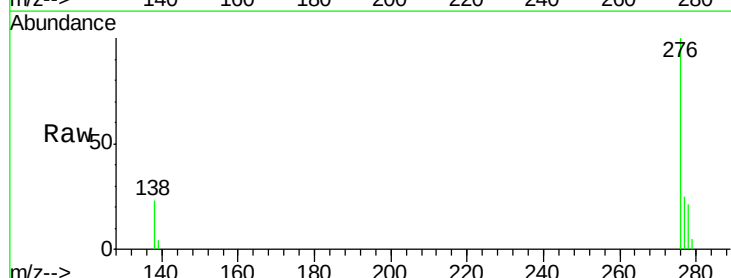
Tgt Ion:276 Resp: 34302

Ion Ratio Lower Upper

276 100

138 24.0 21.3 31.9

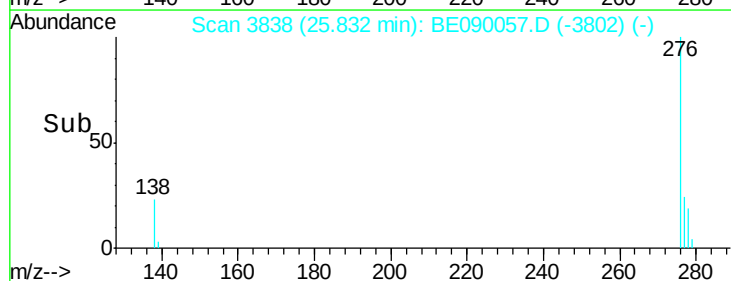
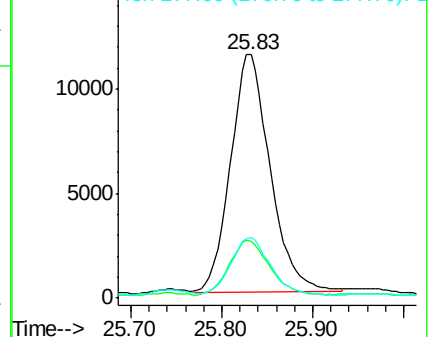
277 24.1 19.7 29.5

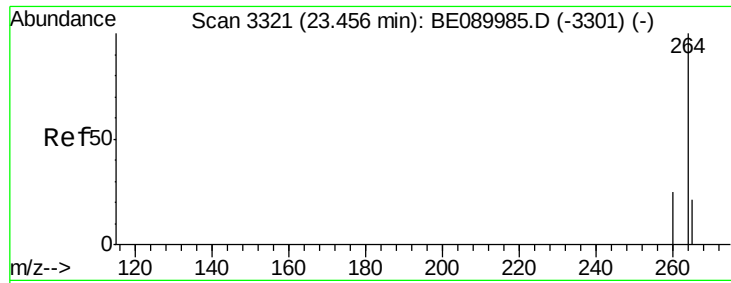


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

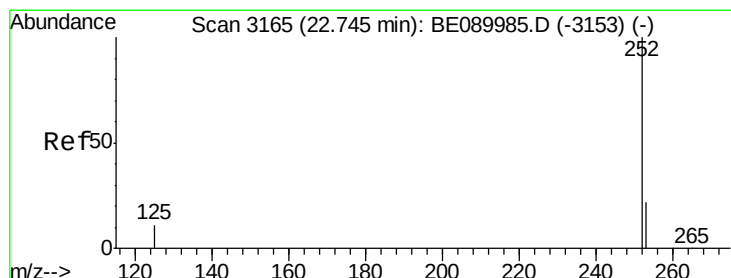
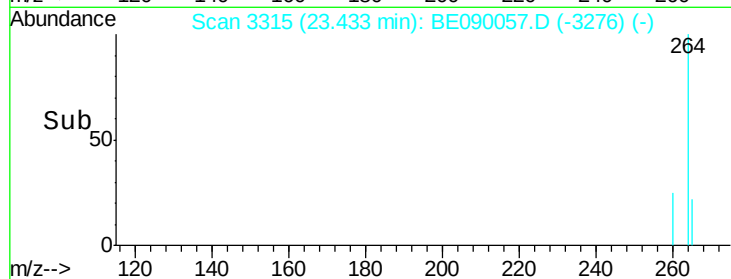
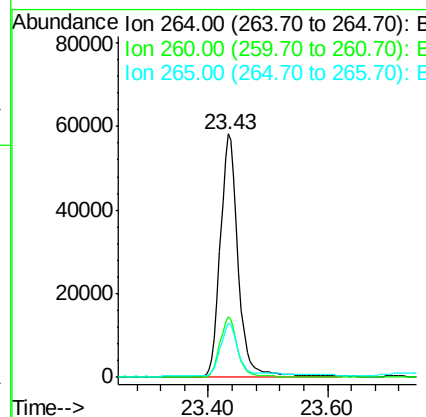
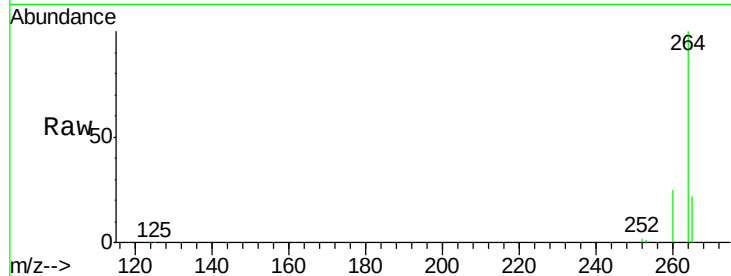




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.43 min Scan# 3315
 Delta R.T. -0.02 min
 Lab File: BE090057.D
 Acq: 6 Jul 2015 17:27

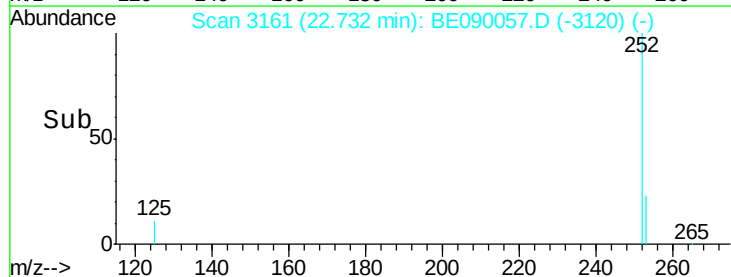
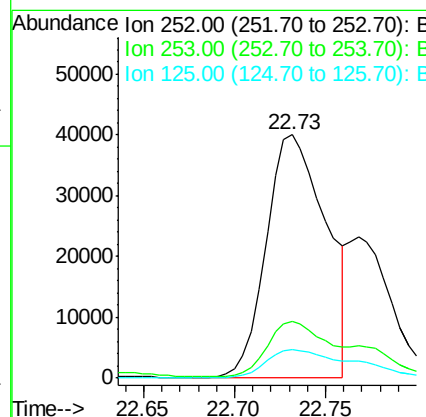
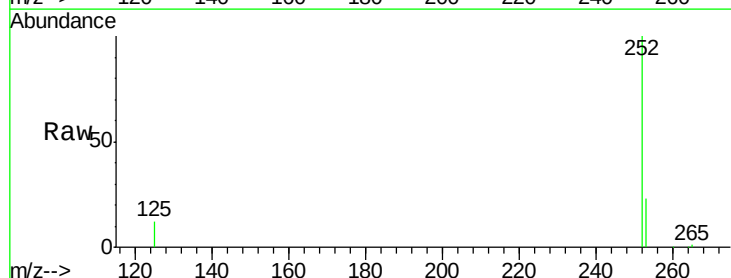
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650006-150626DL

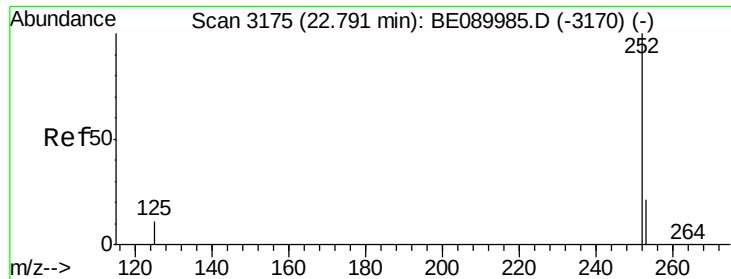
Tgt Ion: 264 Resp: 121274
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.2 30.2
 265 22.2 17.1 25.7



#33
 Benzo(b)fluoranthene
 Concen: 3.42 ng
 RT: 22.73 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BE090057.D
 Acq: 6 Jul 2015 17:27

Tgt Ion: 252 Resp: 91384
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.8 26.8
 125 11.7 9.0 13.4





#34

Benzo(k)fluoranthene

Concen: 1.38 ng m

RT: 22.77 min Scan# 3169

Delta R.T. -0.02 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

Instrument :

BNA_E

ClientSampleId :

X1SS0650006-150626DL

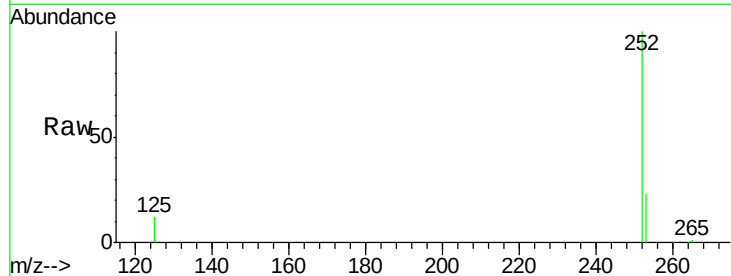
Tgt Ion:252 Resp: 41123

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

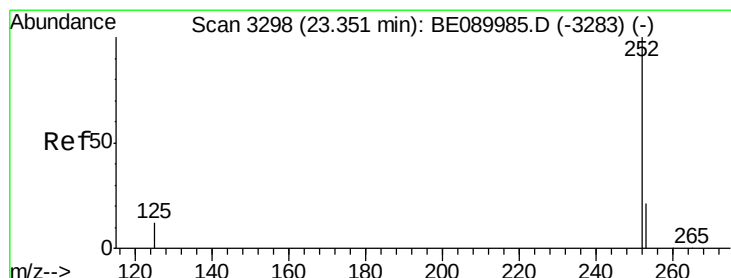
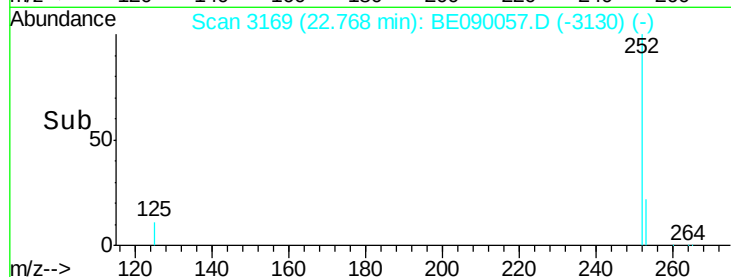
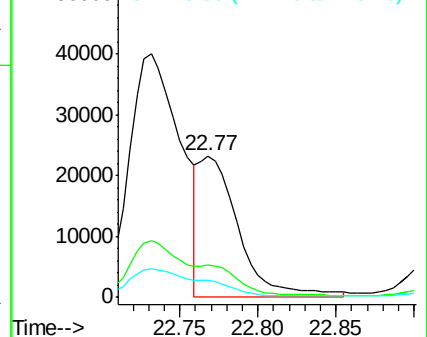
125 11.8 9.5 14.3



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: 2.56 ng

RT: 23.33 min Scan# 3292

Delta R.T. -0.02 min

Lab File: BE090057.D

Acq: 6 Jul 2015 17:27

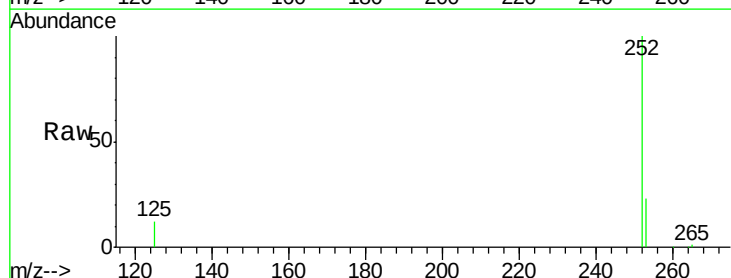
Tgt Ion:252 Resp: 63203

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

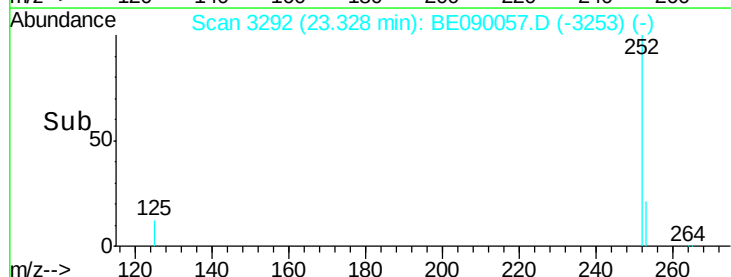
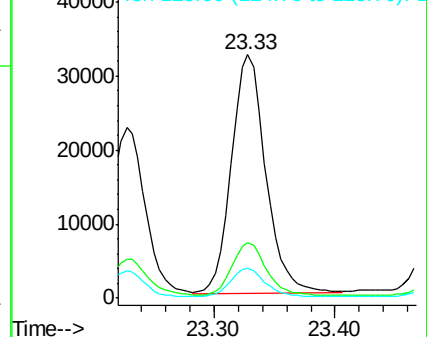
125 12.1 10.5 15.7

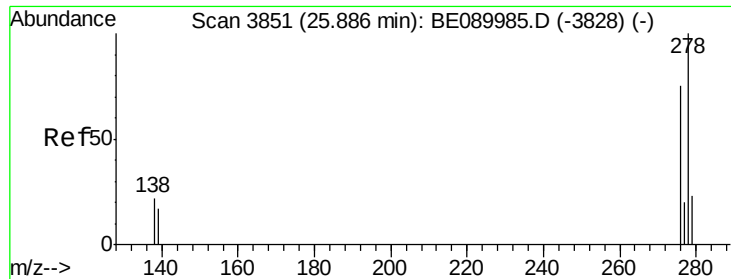


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



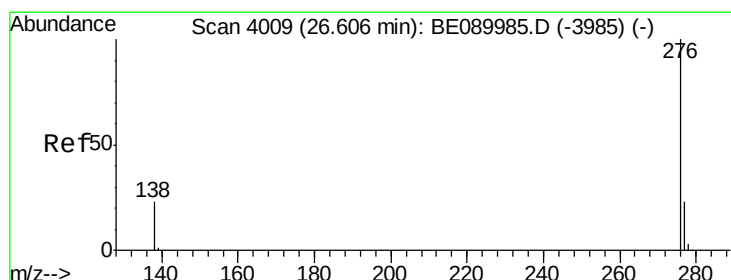
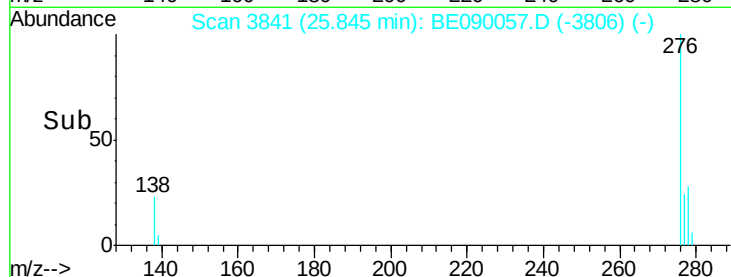
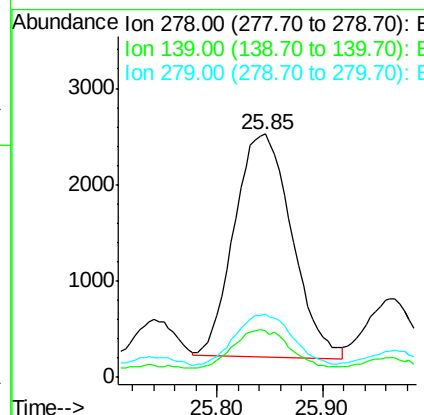
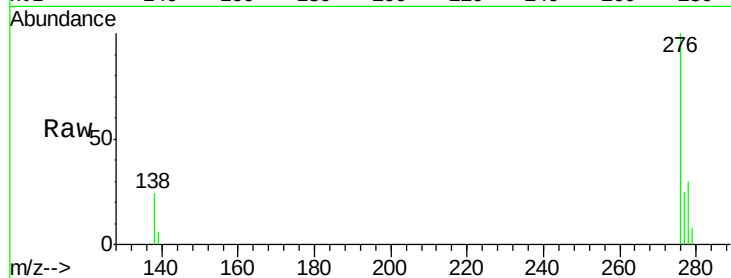


#36
Dibenzo(a,h)anthracene
Concen: 0.35 ng
RT: 25.85 min Scan# 3841
Delta R.T. -0.04 min
Lab File: BE090057.D
Acq: 6 Jul 2015 17:27

Instrument :
BNA_E
ClientSampleId :
X1SS0650006-150626DL

Tgt Ion: 278 Resp: 8781

Ion	Ratio	Lower	Upper
278	100		
139	19.2	14.4	21.6
279	25.8	19.0	28.6



#37
Benzo(g,h,i)perylene
Concen: 1.38 ng
RT: 26.57 min Scan# 4000
Delta R.T. -0.04 min
Lab File: BE090057.D
Acq: 6 Jul 2015 17:27

Tgt Ion: 276 Resp: 35558

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	23.9	18.6	27.8

