

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
 Data File : BE090338.D
 Acq On : 4 Aug 2015 9:24
 Operator : TP/UM
 Sample : G3174-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080215-D506-F-U-B

Quant Time: Aug 04 13:21:35 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 04 02:31:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	6380	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	28822	5.00	ng	0.00
12) Acenaphthene-d10	14.21	164	14927	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	32130	5.00	ng	0.00
25) Chrysene-d12	21.11	240	28205	5.00	ng	0.00
32) Perylene-d12	23.42	264	24436	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	3837	3.15	ng	0.00
5) Phenol-d6	6.78	99	2988	1.99	ng	0.00
7) Nitrobenzene-d5	8.73	82	6814	4.00	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	1700	6.18	ng	-0.02
14) 2-Fluorobiphenyl	12.83	172	17576	4.06	ng	0.00
27) Terphenyl-d14	19.57	244	27666	5.24	ng	-0.01

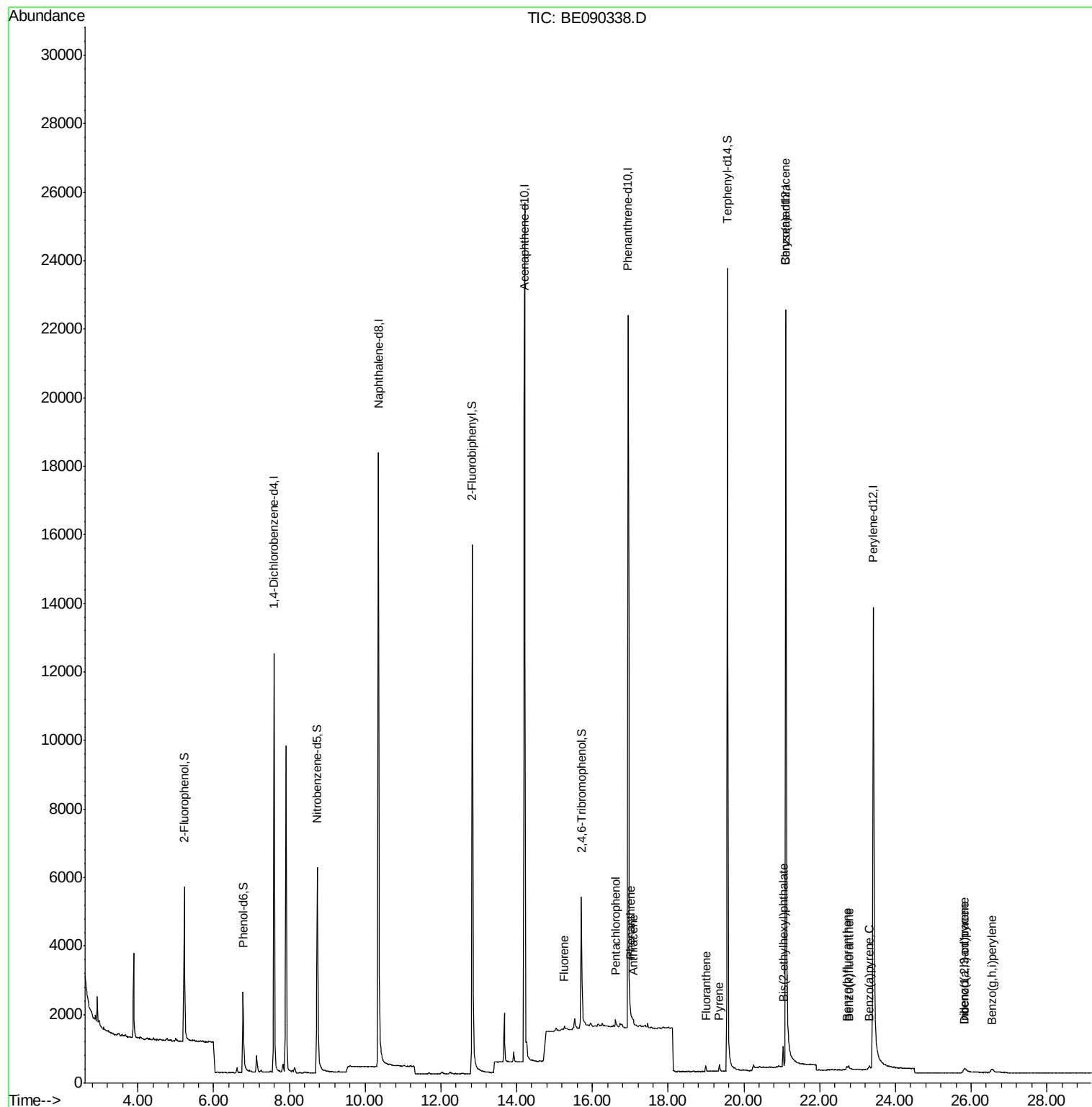
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	41	Below Cal	#	31
17) Fluorene	15.26	166	118	0.03	ng	# 92
21) Pentachlorophenol	16.61	266	148	0.80	ng	# 91
22) Phenanthrene	17.00	178	241	0.03	ng	# 75
23) Anthracene	17.08	178	142	0.02	ng	# 97
24) Fluoranthene	18.99	202	201	0.03	ng	# 98
26) Pyrene	19.35	202	209	0.03	ng	# 89
28) Benzo(a)anthracene	21.10	228	237	0.04	ng	# 64
29) Chrysene	21.14	228	206	Below Cal	#	57
30) Bis(2-ethylhexyl)phthalate	21.04	149	616	0.48	ng	# 99
31) Indeno(1,2,3-cd)pyrene	25.82	276	284	0.22	ng	# 94
33) Benzo(b)fluoranthene	22.72	252	169	0.39	ng	# 32
34) Benzo(k)fluoranthene	22.76	252	175	0.03	ng	# 22
35) Benzo(a)pyrene	23.32	252	171	0.34	ng	# 30
36) Dibenzo(a,h)anthracene	25.83	278	70	0.21	ng	# 44
37) Benzo(g,h,i)perylene	26.56	276	304	0.31	ng	# 61

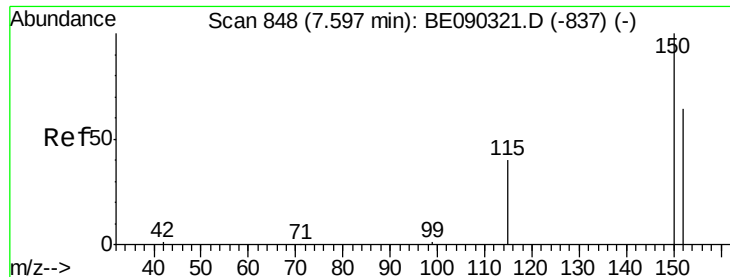
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.60 min Scan# 848

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

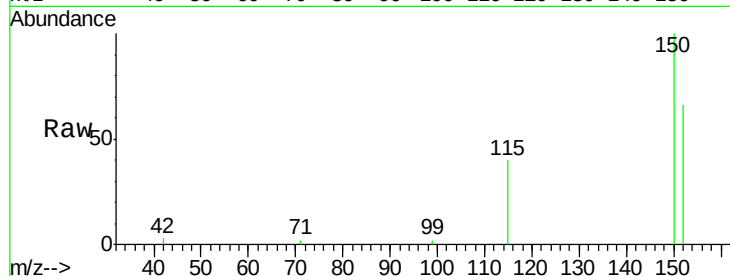
Tgt Ion: 152 Resp: 6380

Ion Ratio Lower Upper

152 100

150 152.1 124.2 186.2

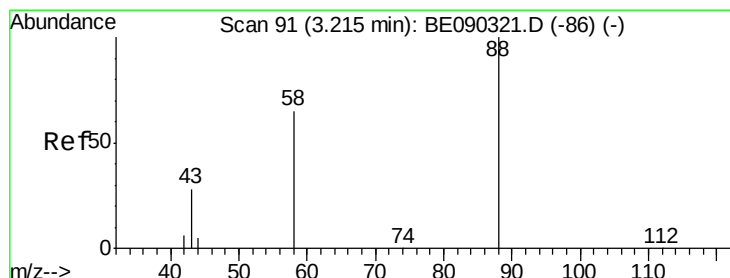
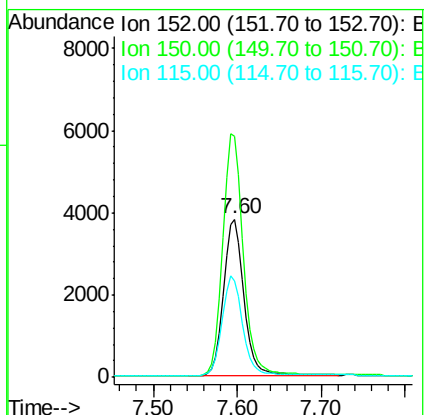
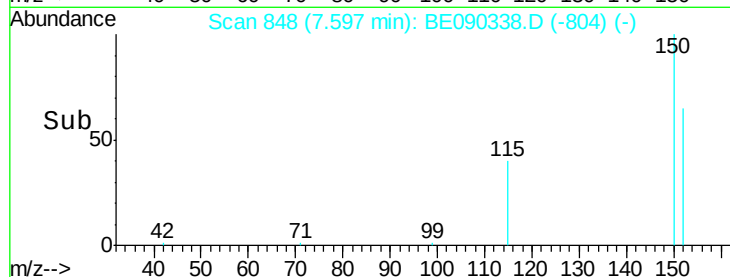
115 61.1 50.4 75.6



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: Below Cal

RT: 3.34 min Scan# 110

Delta R.T. 0.13 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

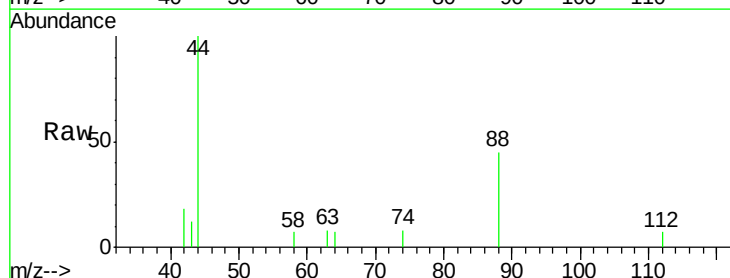
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

58 4.9 50.2 75.2#

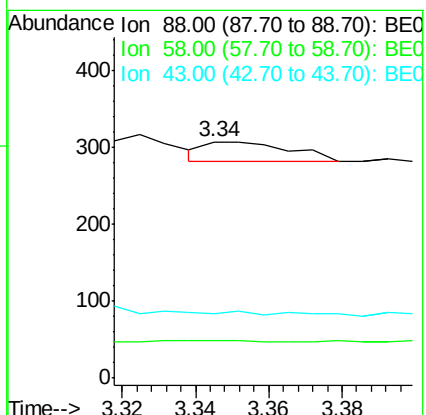
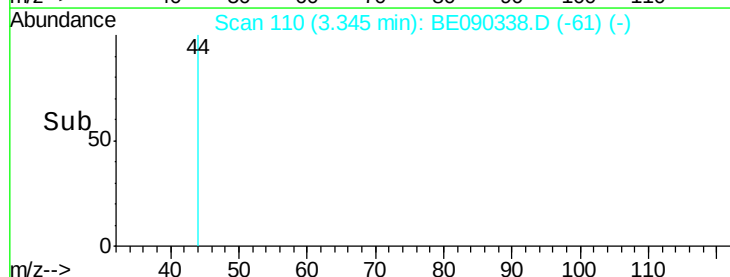
43 0.0 25.0 37.6#

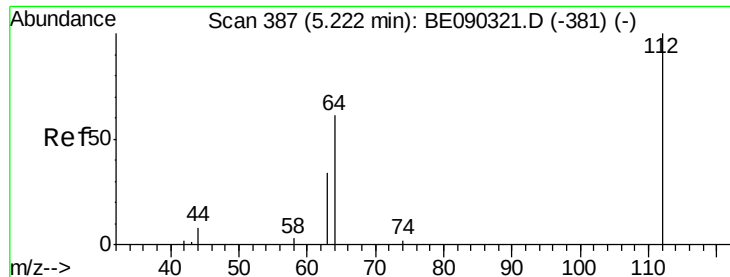


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 3.15 ng

RT: 5.22 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

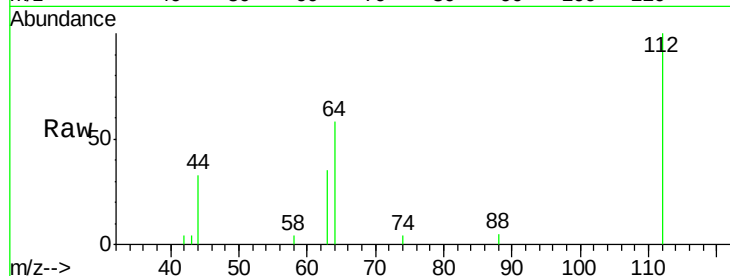
Tgt Ion: 112 Resp: 3837

Ion Ratio Lower Upper

112 100

64 59.6 49.0 73.4

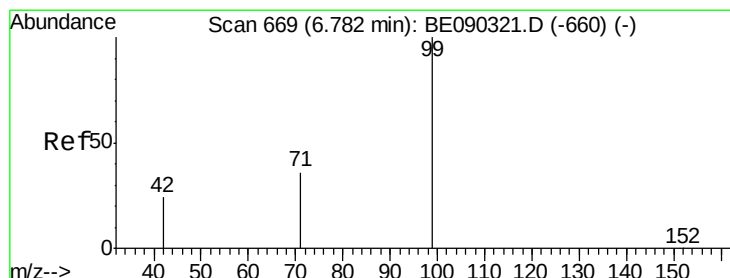
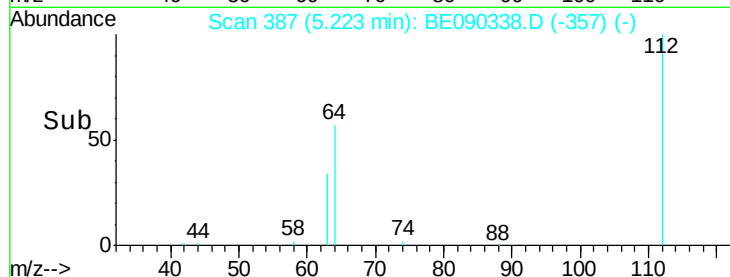
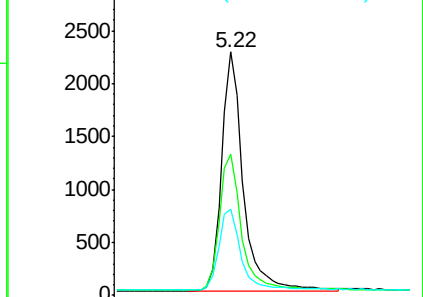
63 35.5 27.7 41.5



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.99 ng

RT: 6.78 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

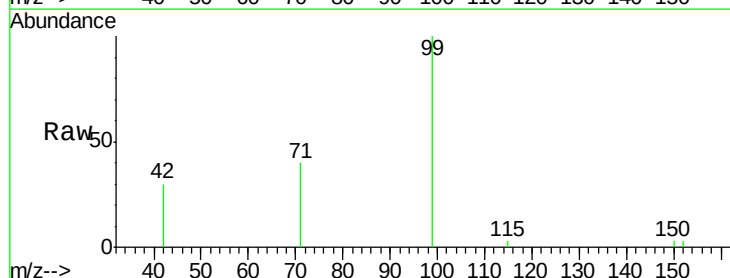
Tgt Ion: 99 Resp: 2988

Ion Ratio Lower Upper

99 100

42 26.2 22.2 33.2

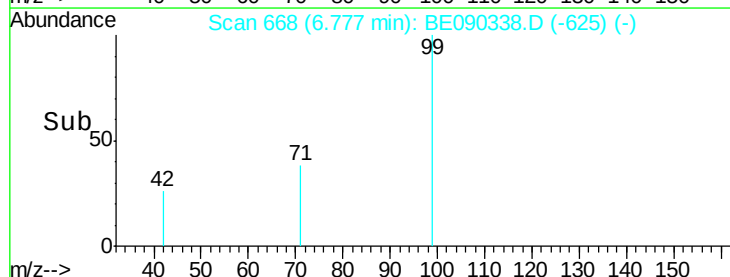
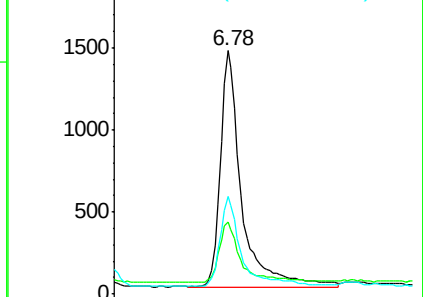
71 38.7 29.2 43.8

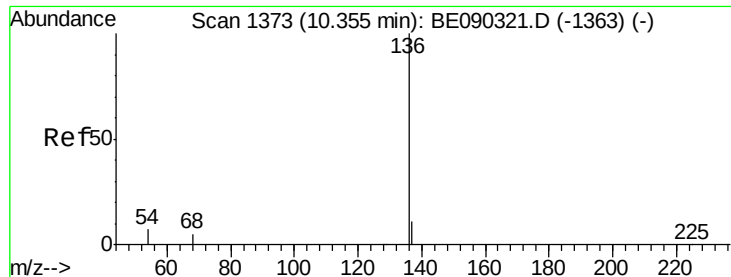


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.35 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

Tgt Ion:136 Resp: 28822

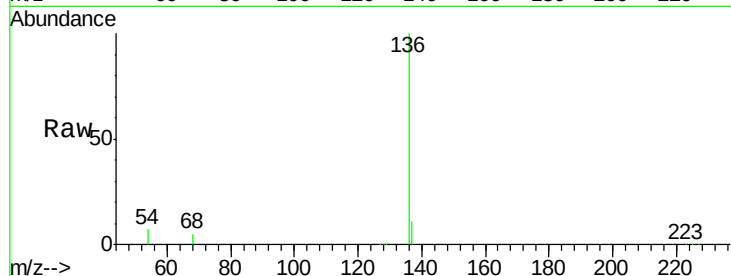
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.5 6.0 9.0

68 5.1 3.9 5.9

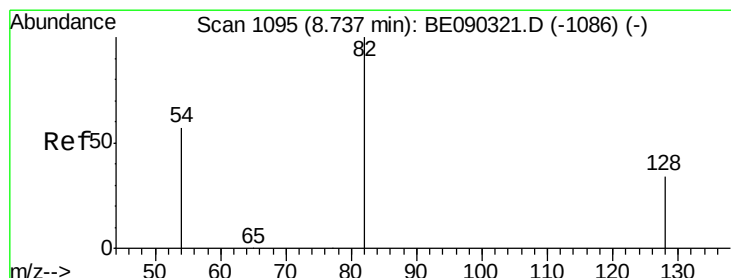
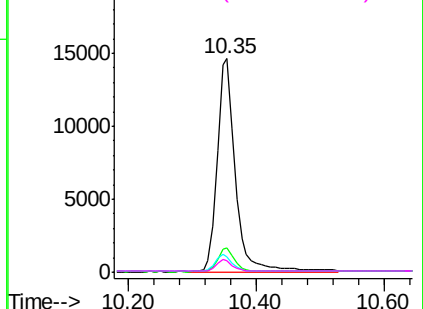
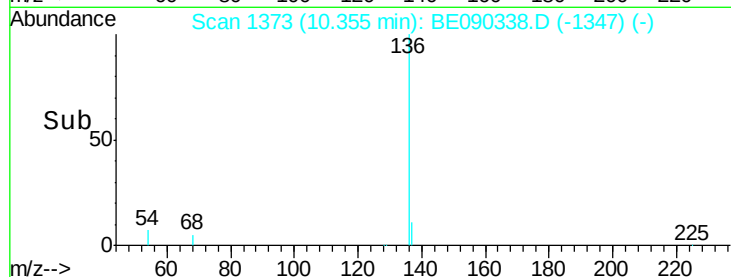


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.00 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

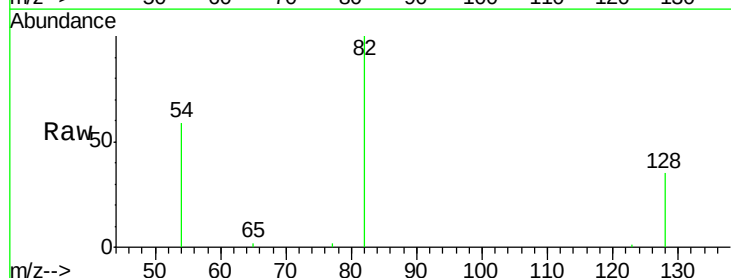
Tgt Ion: 82 Resp: 6814

Ion Ratio Lower Upper

82 100

128 35.5 30.8 46.2

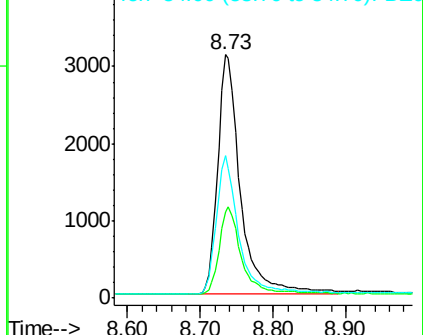
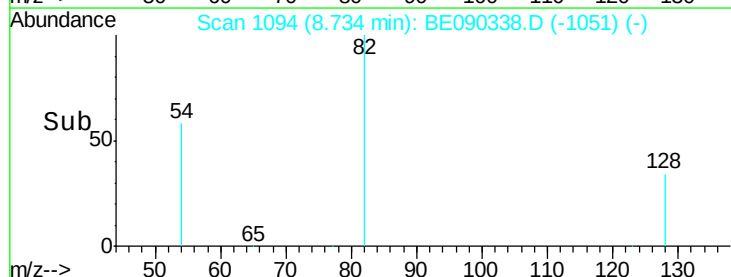
54 58.6 47.5 71.3

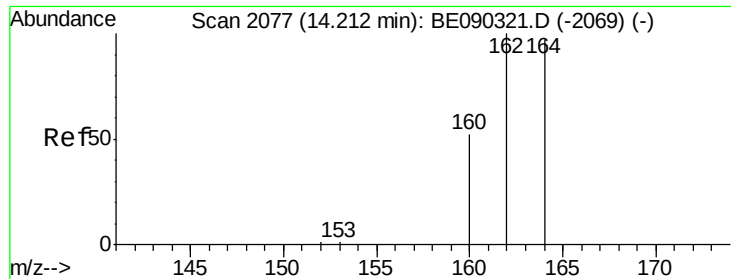


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.21 min Scan# 2076

Delta R.T. -0.01 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

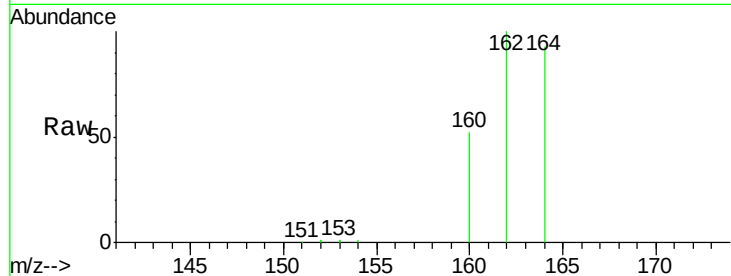
Tgt Ion:164 Resp: 14927

Ion Ratio Lower Upper

164 100

162 107.1 82.7 124.1

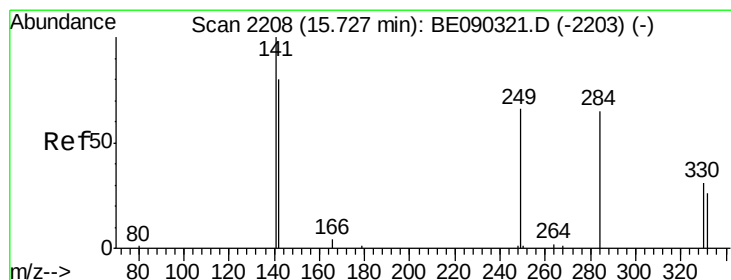
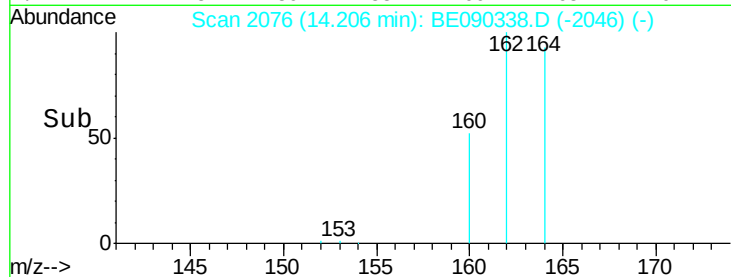
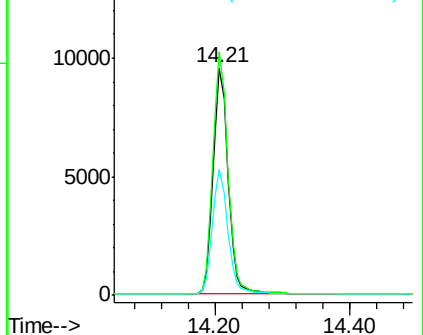
160 55.5 43.0 64.6



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: 6.18 ng

RT: 15.71 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

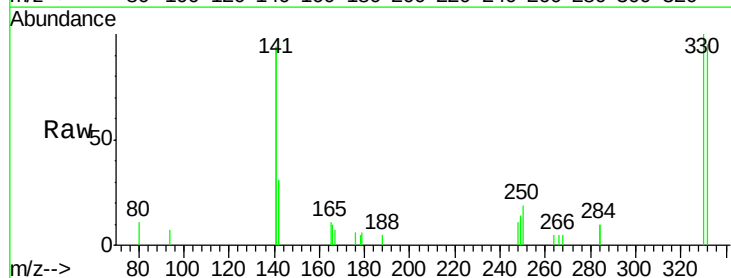
Tgt Ion:330 Resp: 1700

Ion Ratio Lower Upper

330 100

332 95.2 79.4 119.0

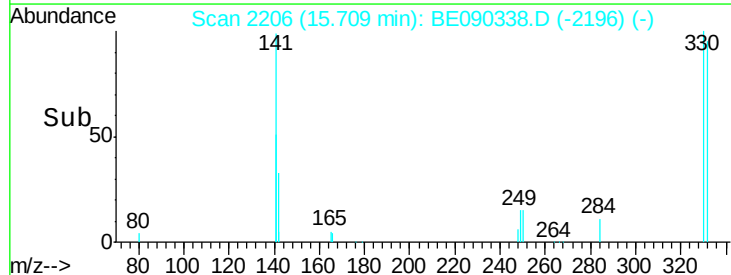
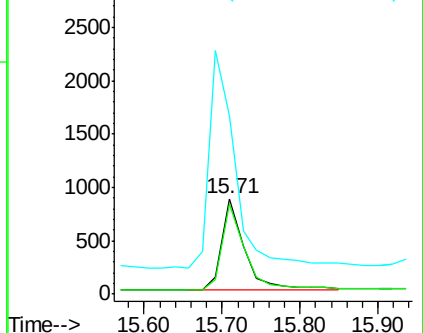
141 278.4 245.9 368.9

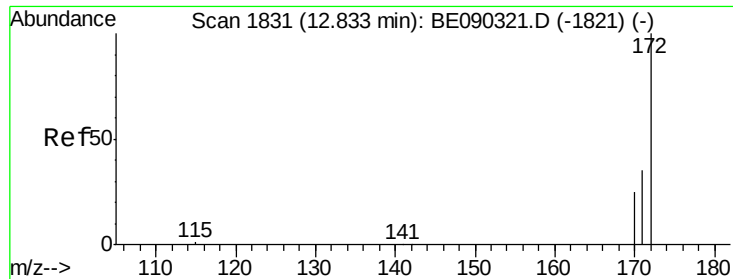


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

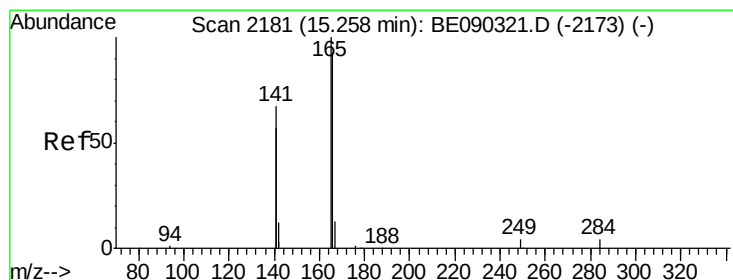
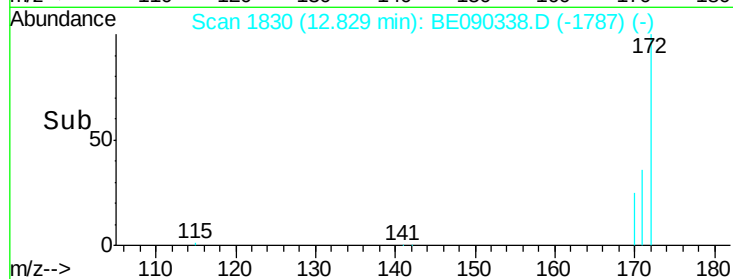
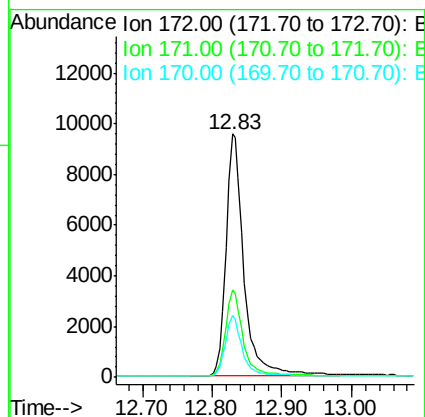
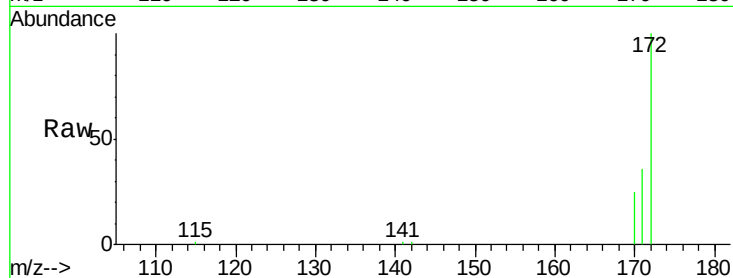




#14
2-Fluorobiphenyl
Concen: 4.06 ng
RT: 12.83 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BE090338.D
Acq: 4 Aug 2015 9:24

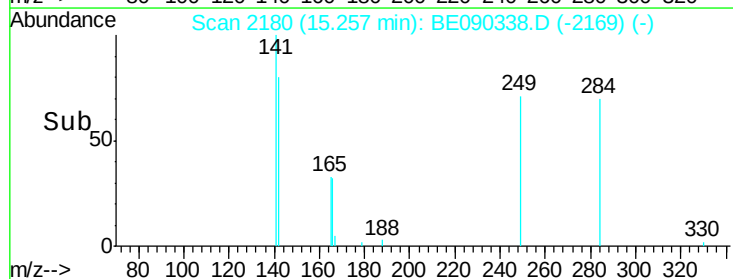
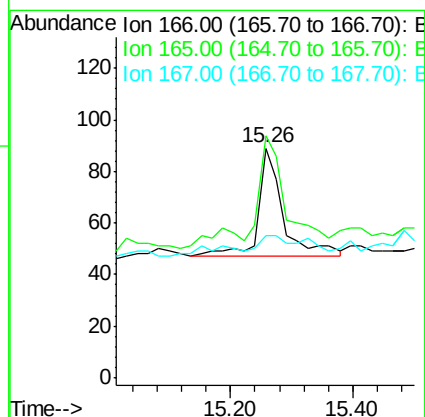
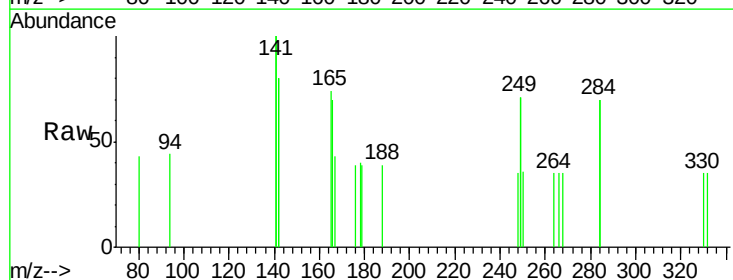
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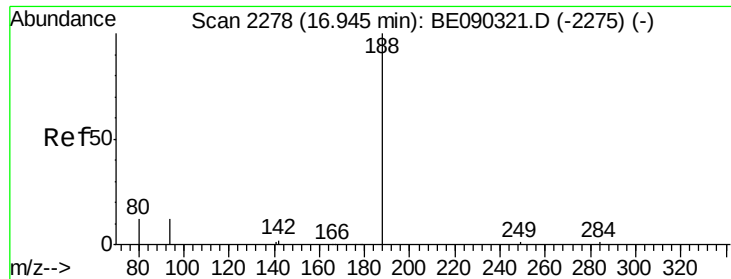
Tgt Ion:172 Resp: 17576
Ion Ratio Lower Upper
172 100
171 36.1 29.5 44.3
170 25.3 21.3 31.9



#17
Fluorene
Concen: 0.03 ng
RT: 15.26 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BE090338.D
Acq: 4 Aug 2015 9:24

Tgt Ion:166 Resp: 118
Ion Ratio Lower Upper
166 100
165 97.5 82.6 123.8
167 26.3 11.8 17.8#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

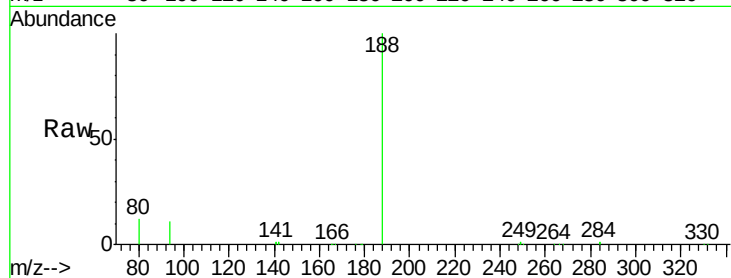
Tgt Ion:188 Resp: 32130

Ion Ratio Lower Upper

188 100

94 11.1 9.5 14.3

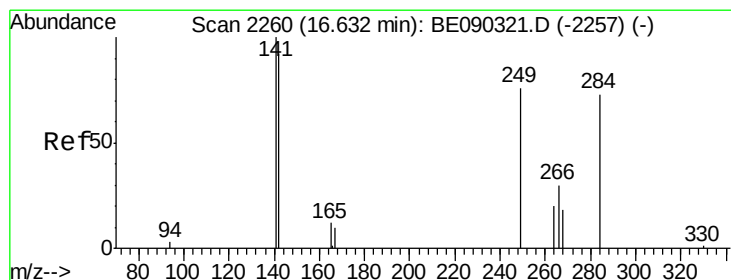
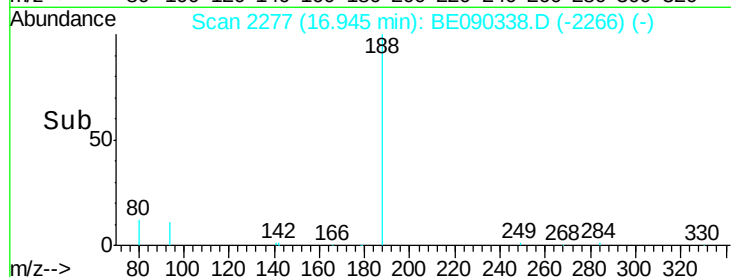
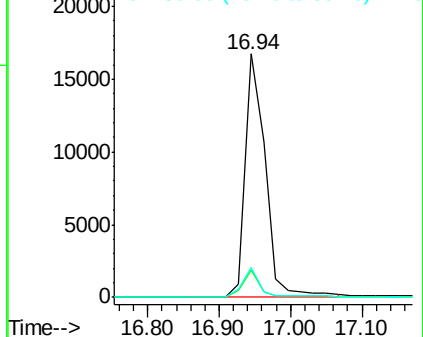
80 12.2 10.0 15.0



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



#21

Pentachlorophenol

Concen: 0.80 ng

RT: 16.61 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

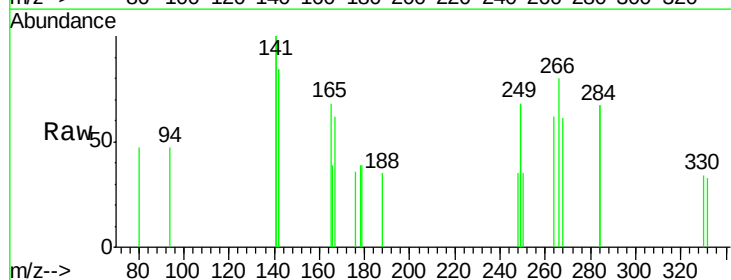
Tgt Ion:266 Resp: 148

Ion Ratio Lower Upper

266 100

268 75.7 66.2 99.2

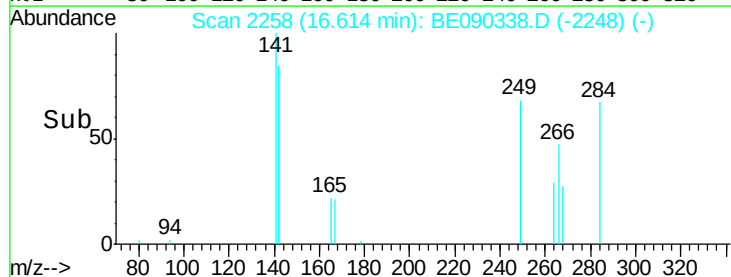
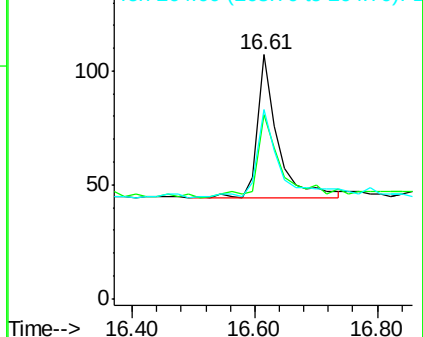
264 77.6 69.1 103.7

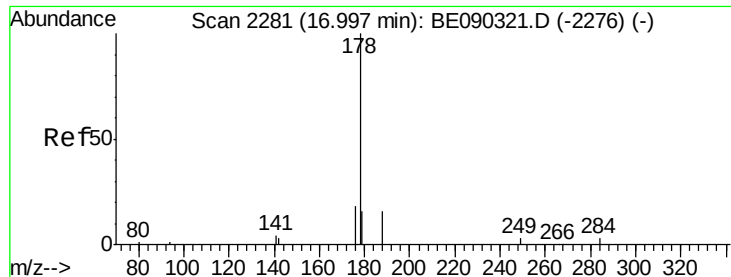


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.03 ng

RT: 17.00 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

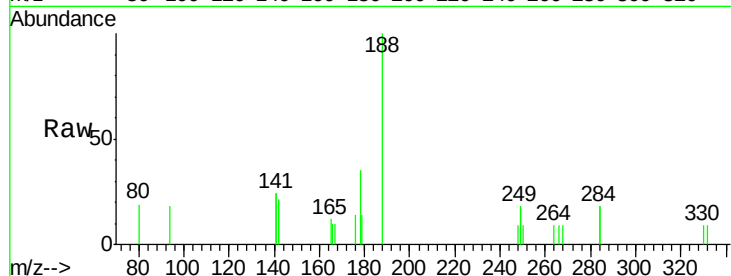
Tgt Ion:178 Resp: 241

Ion Ratio Lower Upper

178 100

176 23.2 15.5 23.3

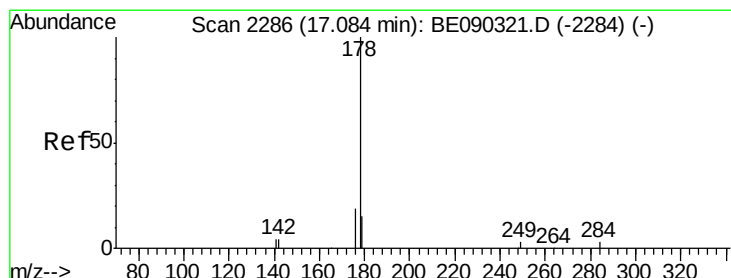
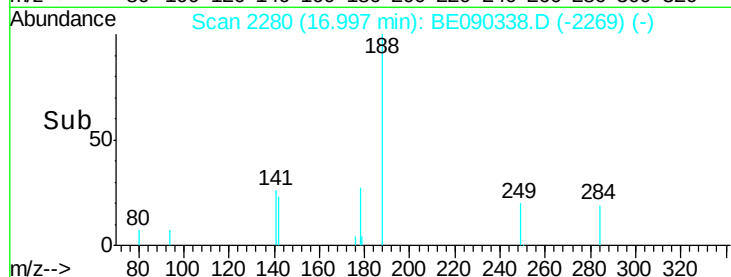
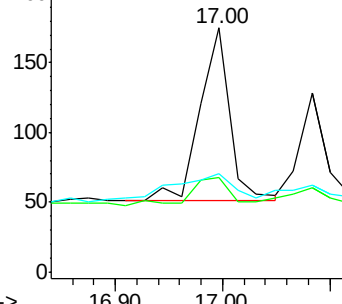
179 35.3 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#23

Anthracene

Concen: 0.02 ng

RT: 17.08 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

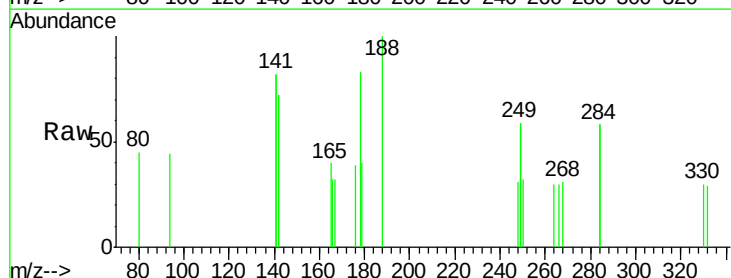
Tgt Ion:178 Resp: 142

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

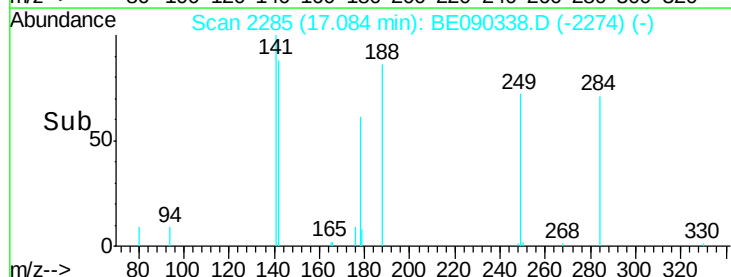
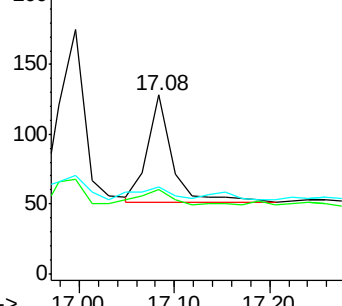
179 16.9 12.1 18.1

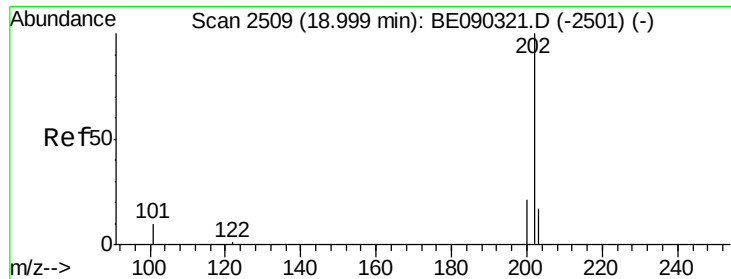


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

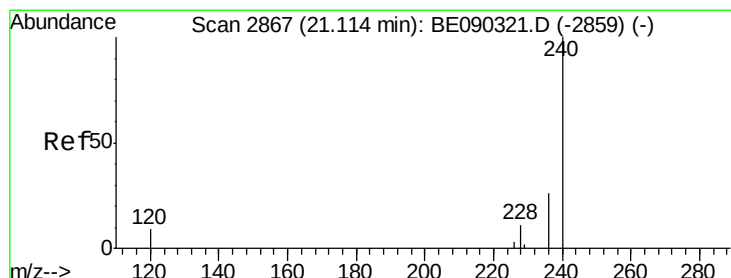
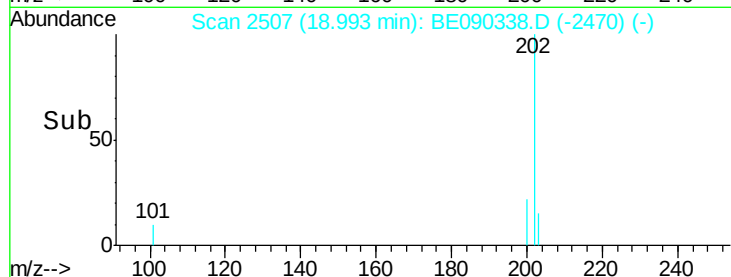
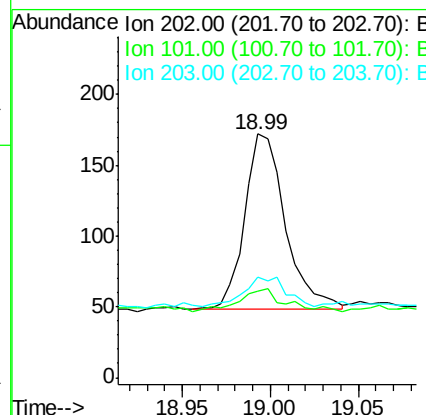
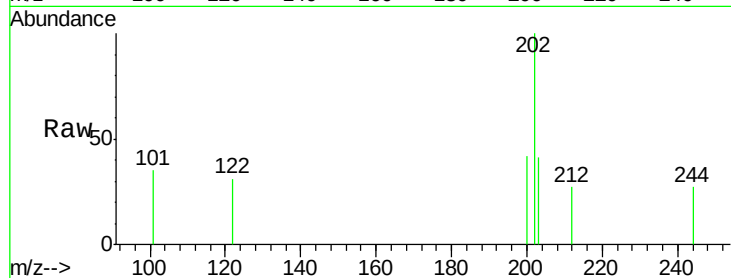




#24
Fluoranthene
Concen: 0.03 ng
RT: 18.99 min Scan# 2507
Delta R.T. -0.01 min
Lab File: BE090338.D
Acq: 4 Aug 2015 9:24

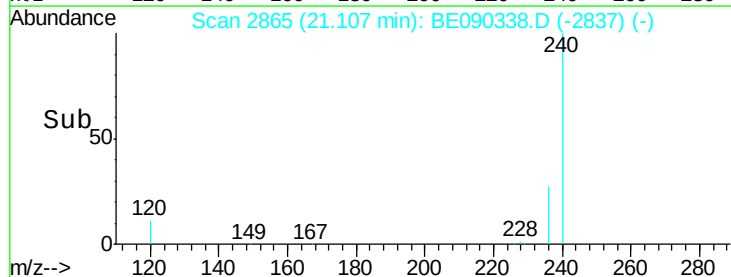
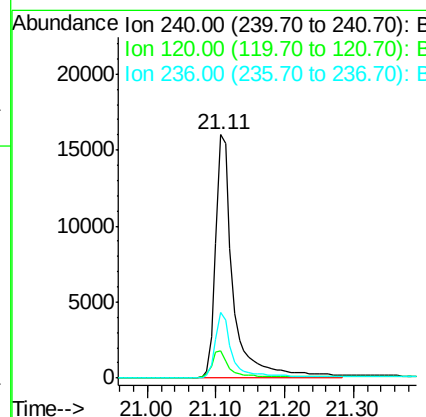
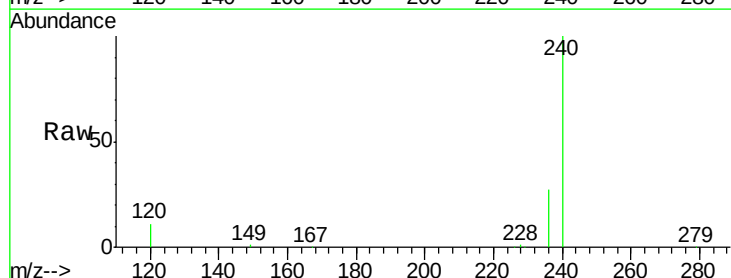
Instrument :
BNA_E
ClientSampleId :
080215-D506-F-U-B

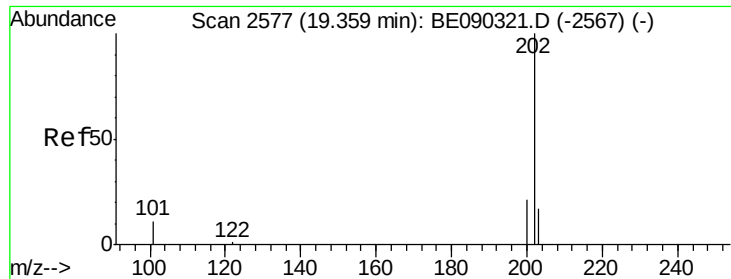
Tgt Ion: 202 Resp: 201
Ion Ratio Lower Upper
202 100
101 12.4 8.3 12.5
203 17.4 13.8 20.8



#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.11 min Scan# 2865
Delta R.T. -0.01 min
Lab File: BE090338.D
Acq: 4 Aug 2015 9:24

Tgt Ion: 240 Resp: 28205
Ion Ratio Lower Upper
240 100
120 11.2 7.5 11.3
236 26.8 21.0 31.4





#26

Pyrene

Concen: 0.03 ng

RT: 19.35 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

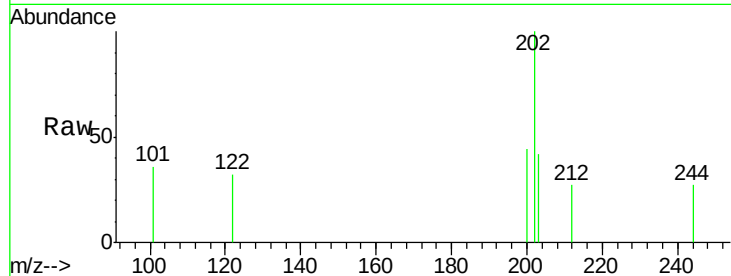
Tgt Ion:202 Resp: 209

Ion Ratio Lower Upper

202 100

200 24.9 16.6 24.8#

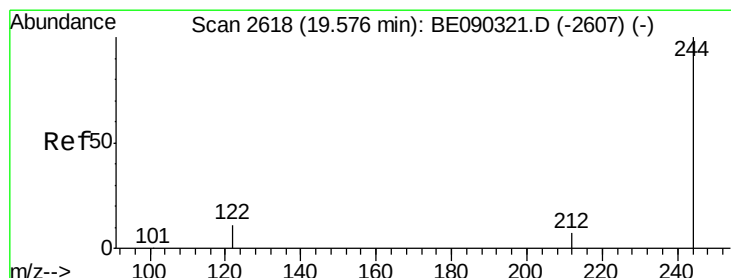
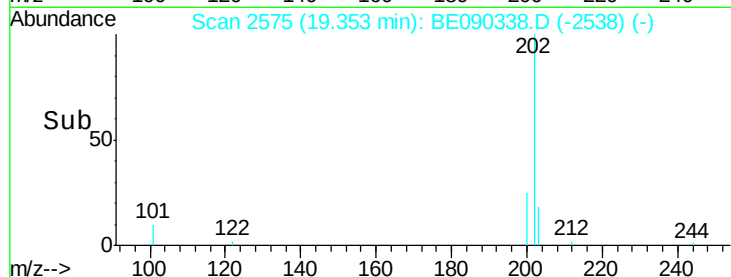
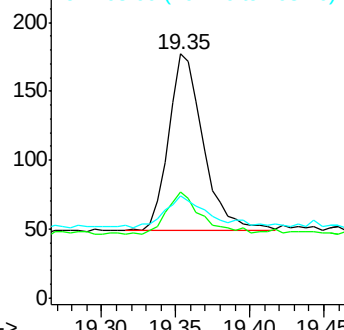
203 23.4 13.8 20.6#



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: 5.24 ng

RT: 19.57 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

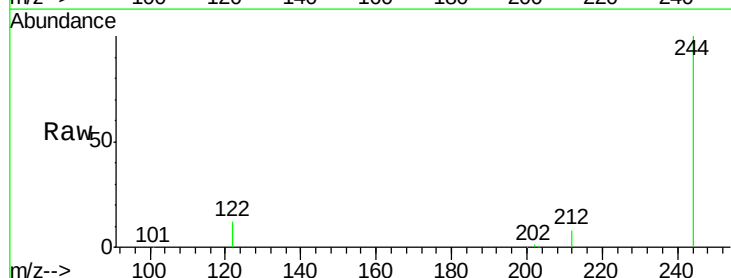
Tgt Ion:244 Resp: 27666

Ion Ratio Lower Upper

244 100

212 8.0 7.4 11.2

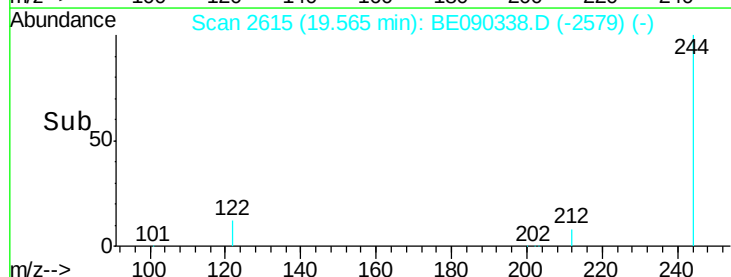
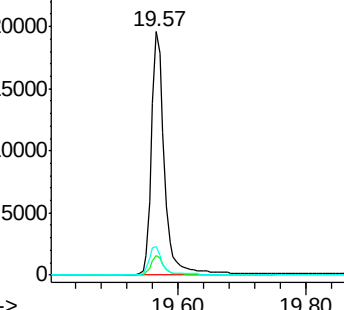
122 11.8 10.4 15.6

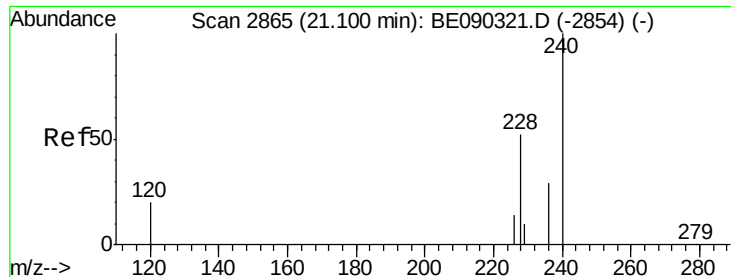


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.10 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

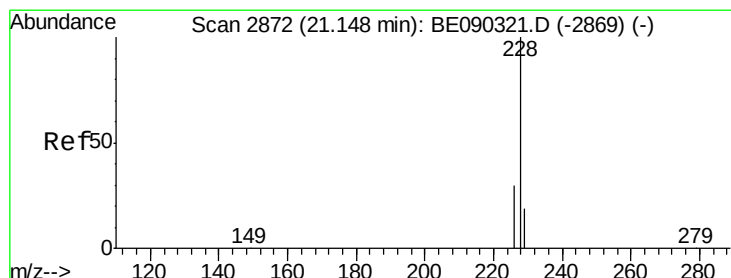
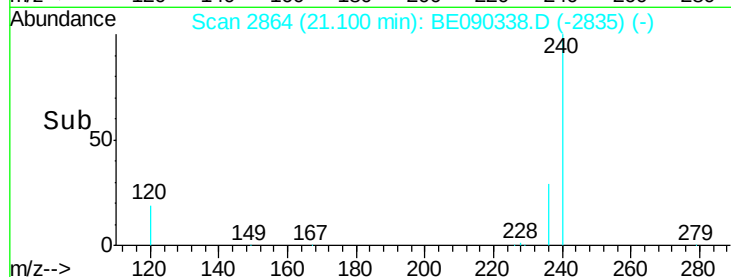
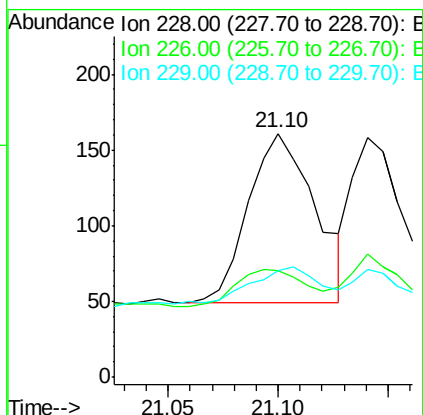
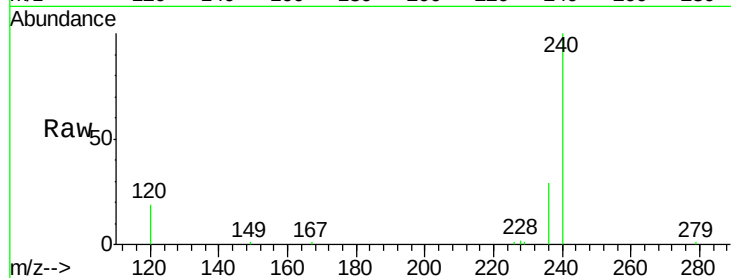
Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

Tgt Ion:	228	Resp:	237
Ion	Ratio	Lower	Upper
228	100		
226	43.5	23.0	34.4#
229	43.5	17.4	26.2#



#29

Chrysene

Concen: Below Cal

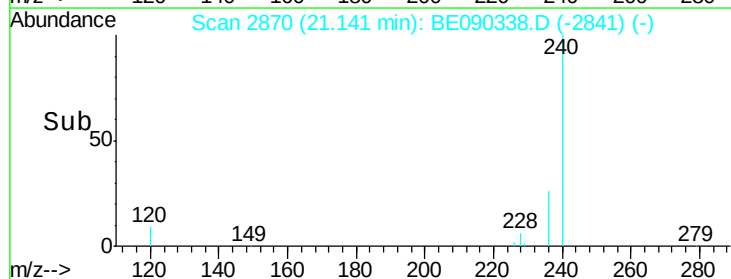
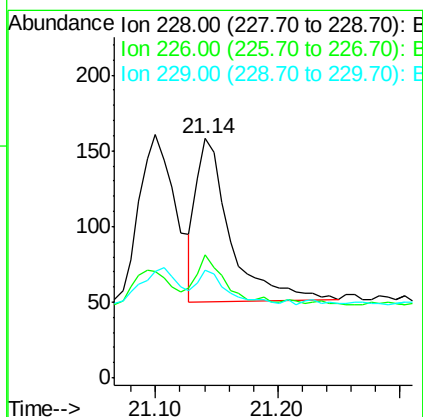
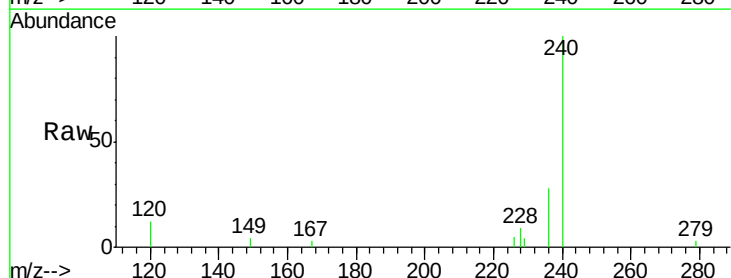
RT: 21.14 min Scan# 2870

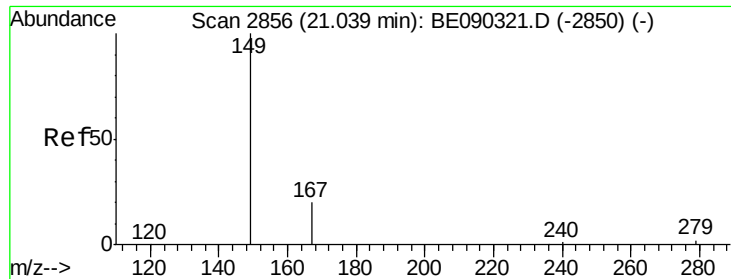
Delta R.T. -0.01 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Tgt Ion:	228	Resp:	206
Ion	Ratio	Lower	Upper
228	100		
226	51.3	24.9	37.3#
229	44.9	16.6	25.0#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.48 ng

RT: 21.04 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

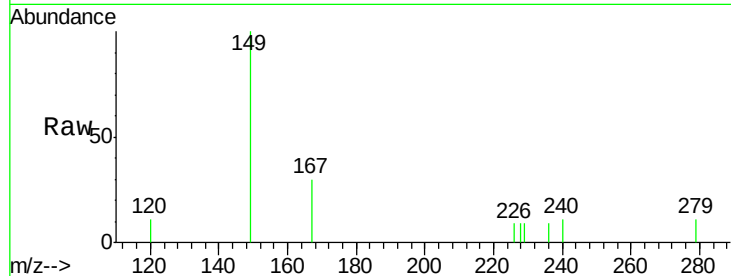
Tgt Ion:149 Resp: 616

Ion Ratio Lower Upper

149 100

167 20.3 16.6 24.8

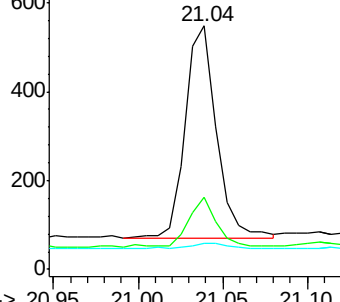
279 3.2 2.7 4.1



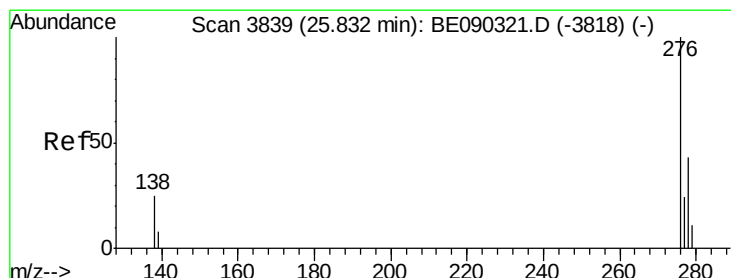
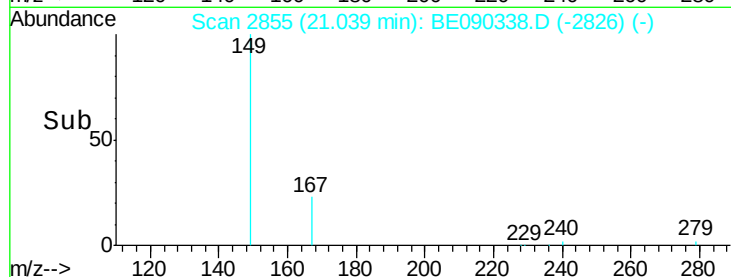
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 20.95 21.00 21.05 21.10



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.22 ng

RT: 25.82 min Scan# 3836

Delta R.T. -0.01 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

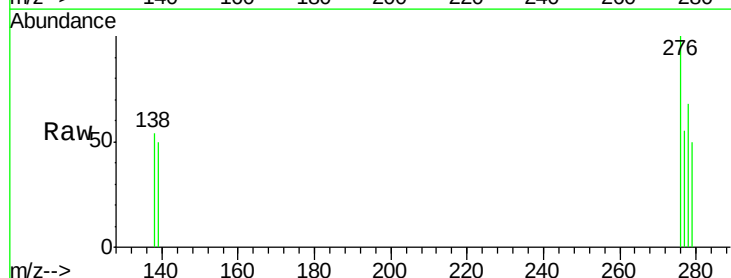
Tgt Ion:276 Resp: 284

Ion Ratio Lower Upper

276 100

138 9.9 10.6 16.0#

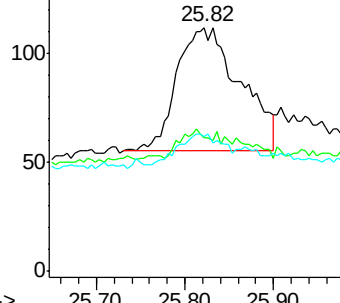
277 16.5 14.6 22.0



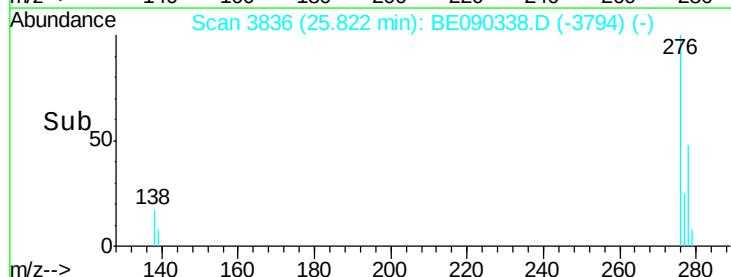
Abundance Ion 276.00 (275.70 to 276.70): E

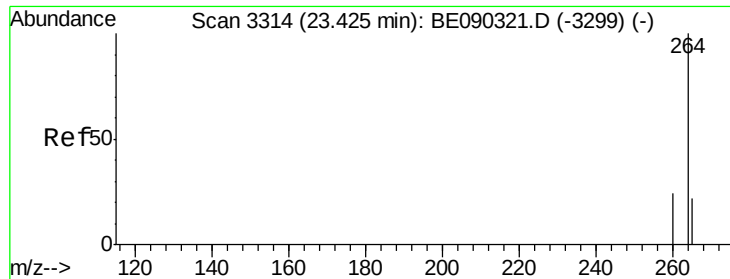
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time--> 25.70 25.80 25.90

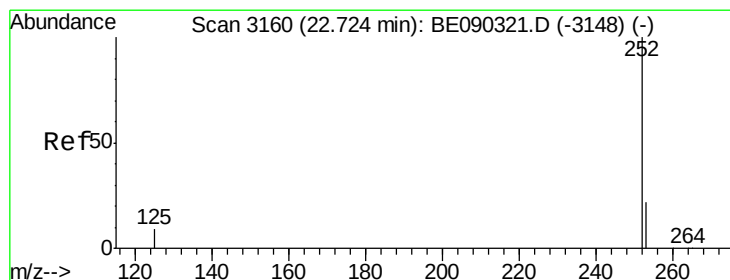
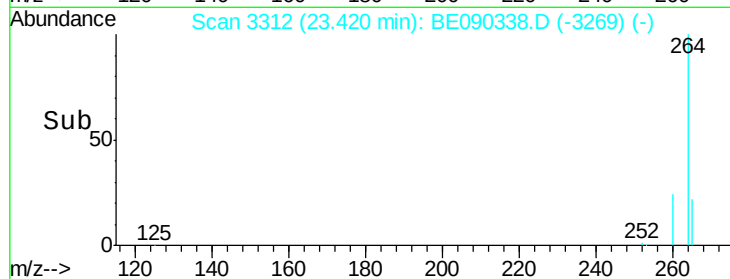
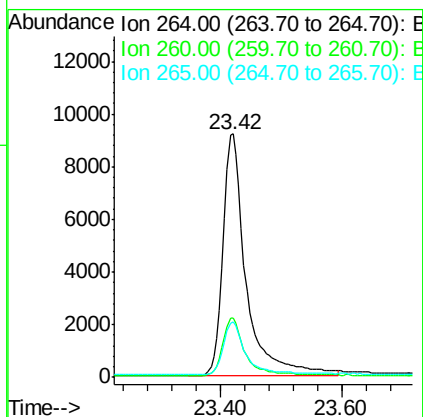
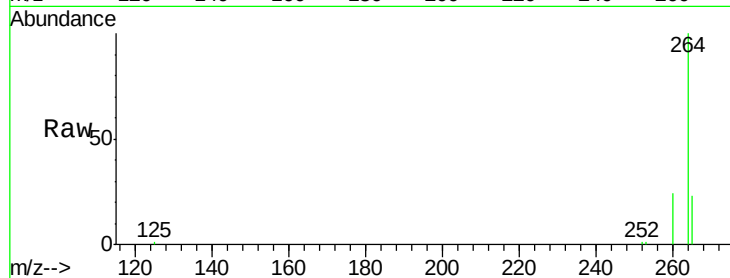




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.42 min Scan# 3312
 Delta R.T. -0.00 min
 Lab File: BE090338.D
 Acq: 4 Aug 2015 9:24

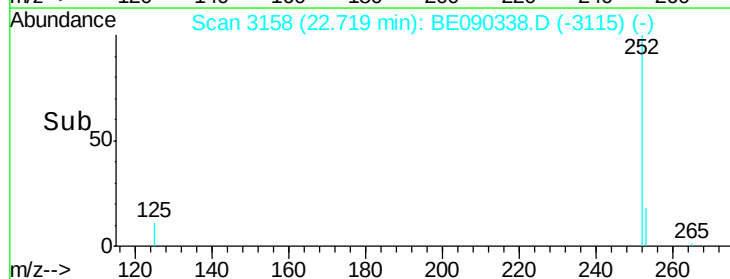
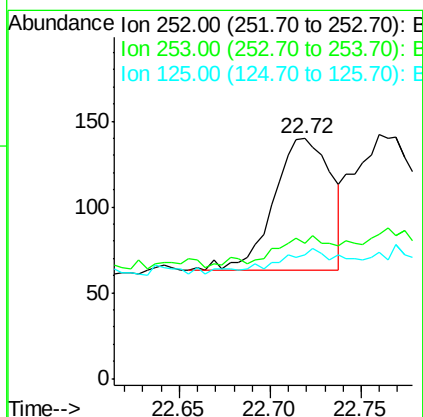
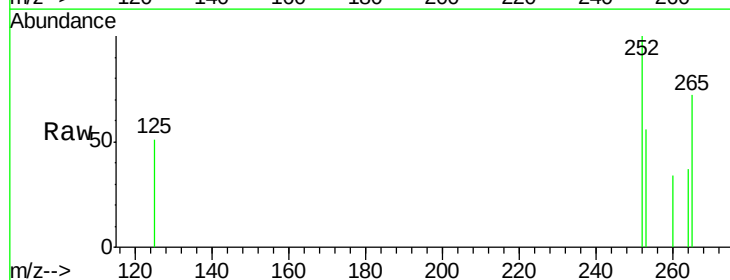
Instrument :
 BNA_E
 ClientSampleId :
 080215-D506-F-U-B

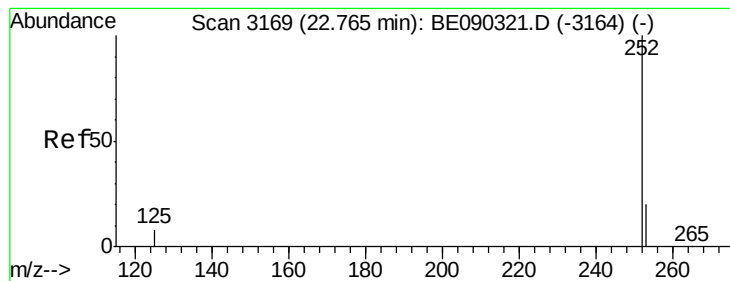
Tgt Ion: 264 Resp: 24436
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.1 30.1
 265 22.9 18.6 28.0



#33
Benzo(b)fluoranthene
 Concen: 0.39 ng
 RT: 22.72 min Scan# 3158
 Delta R.T. -0.00 min
 Lab File: BE090338.D
 Acq: 4 Aug 2015 9:24

Tgt Ion: 252 Resp: 169
 Ion Ratio Lower Upper
 252 100
 253 56.4 21.5 32.3#
 125 51.4 11.8 17.8#





#34

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.76 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

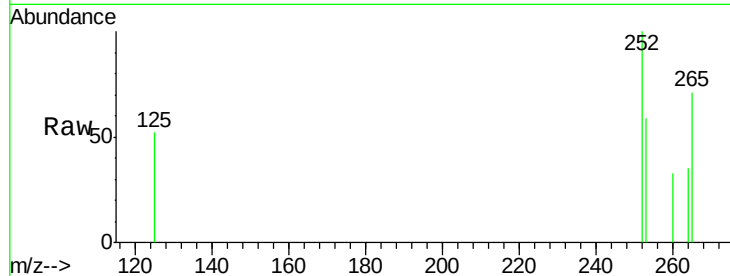
Tgt Ion: 252 Resp: 175

Ion Ratio Lower Upper

252 100

253 59.2 19.9 29.9#

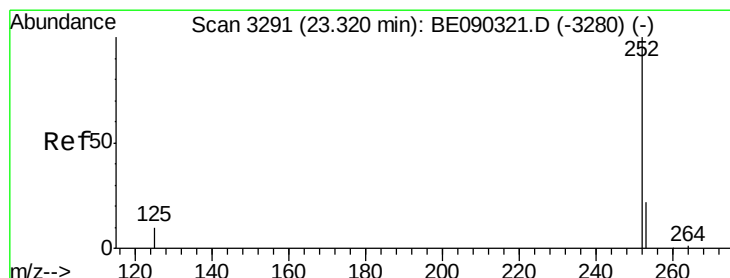
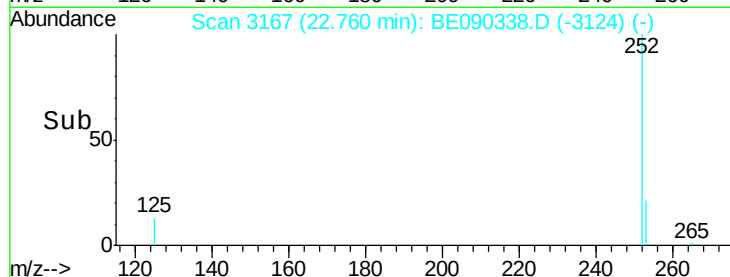
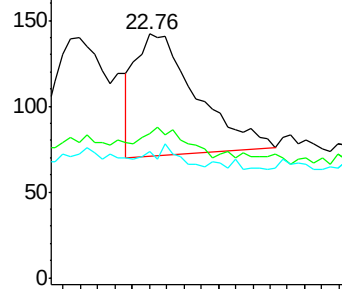
125 52.1 11.2 16.8#



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: 0.34 ng

RT: 23.32 min Scan# 3289

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

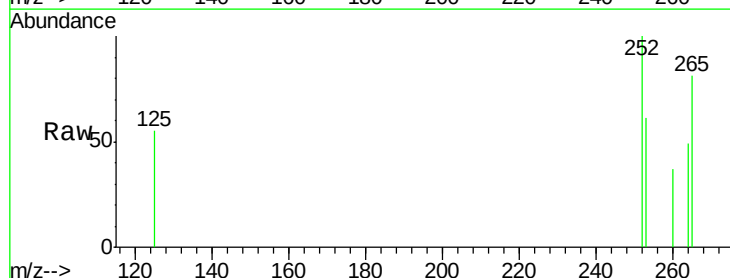
Tgt Ion: 252 Resp: 171

Ion Ratio Lower Upper

252 100

253 61.4 23.0 34.4#

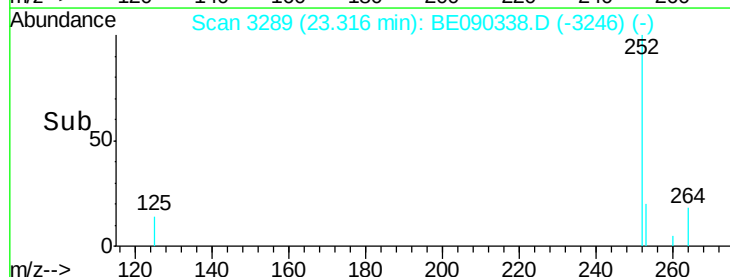
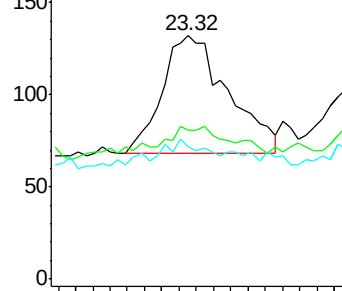
125 54.5 14.2 21.2#

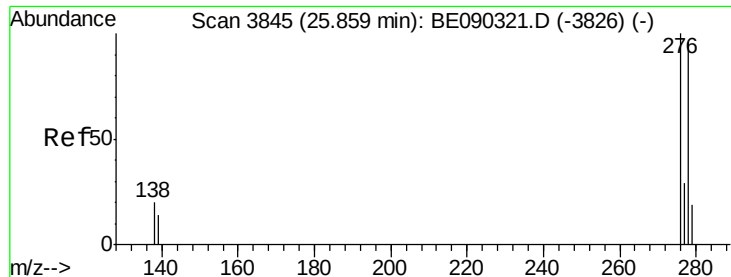


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.21 ng

RT: 25.83 min Scan# 3838

Delta R.T. -0.03 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-B

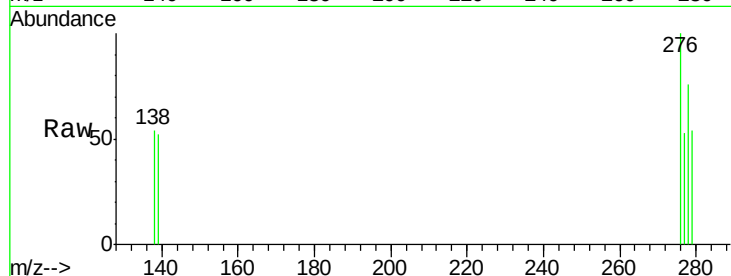
Tgt Ion: 278 Resp: 70

Ion Ratio Lower Upper

278 100

139 68.2 27.8 41.6#

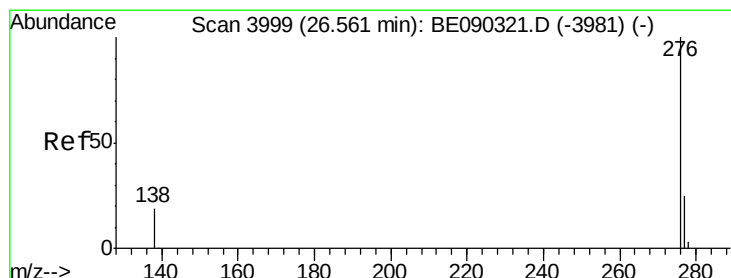
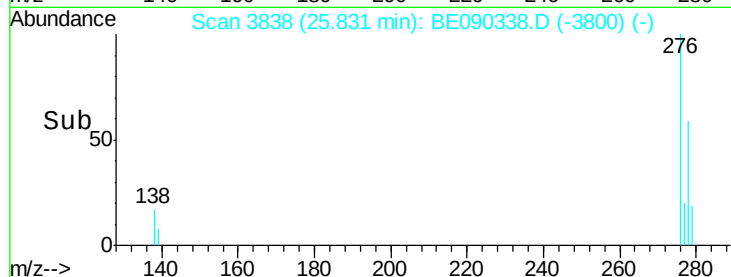
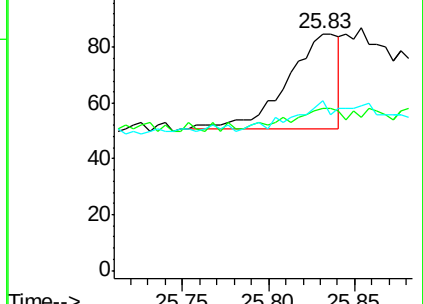
279 71.8 30.9 46.3#



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: 0.31 ng

RT: 26.56 min Scan# 3997

Delta R.T. -0.00 min

Lab File: BE090338.D

Acq: 4 Aug 2015 9:24

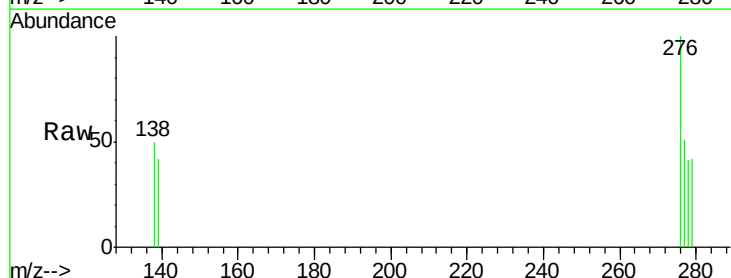
Tgt Ion: 276 Resp: 304

Ion Ratio Lower Upper

276 100

277 51.2 25.6 38.4#

138 50.4 22.0 33.0#



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

