

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080315\
 Data File : BE090329.D
 Acq On : 4 Aug 2015 3:14
 Operator : TP/UM
 Sample : G3133-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SUMP-3

Quant Time: Aug 04 07:41:31 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	7.59	152	10852	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	45697	5.00	ng	0.00
12) Acenaphthene-d10	14.21	164	27384	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	68660	5.00	ng	0.00
25) Chrysene-d12	21.11	240	70556	5.00	ng	0.00
32) Perylene-d12	23.42	264	62021	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	6211	2.99	ng	0.00
5) Phenol-d6	6.78	99	5837	2.29	ng	0.00
7) Nitrobenzene-d5	8.73	82	7575	2.81	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	4588	8.09	ng	-0.02
14) 2-Fluorobiphenyl	12.83	172	22483	2.83	ng	0.00
27) Terphenyl-d14	19.56	244	49217	3.73	ng	-0.01

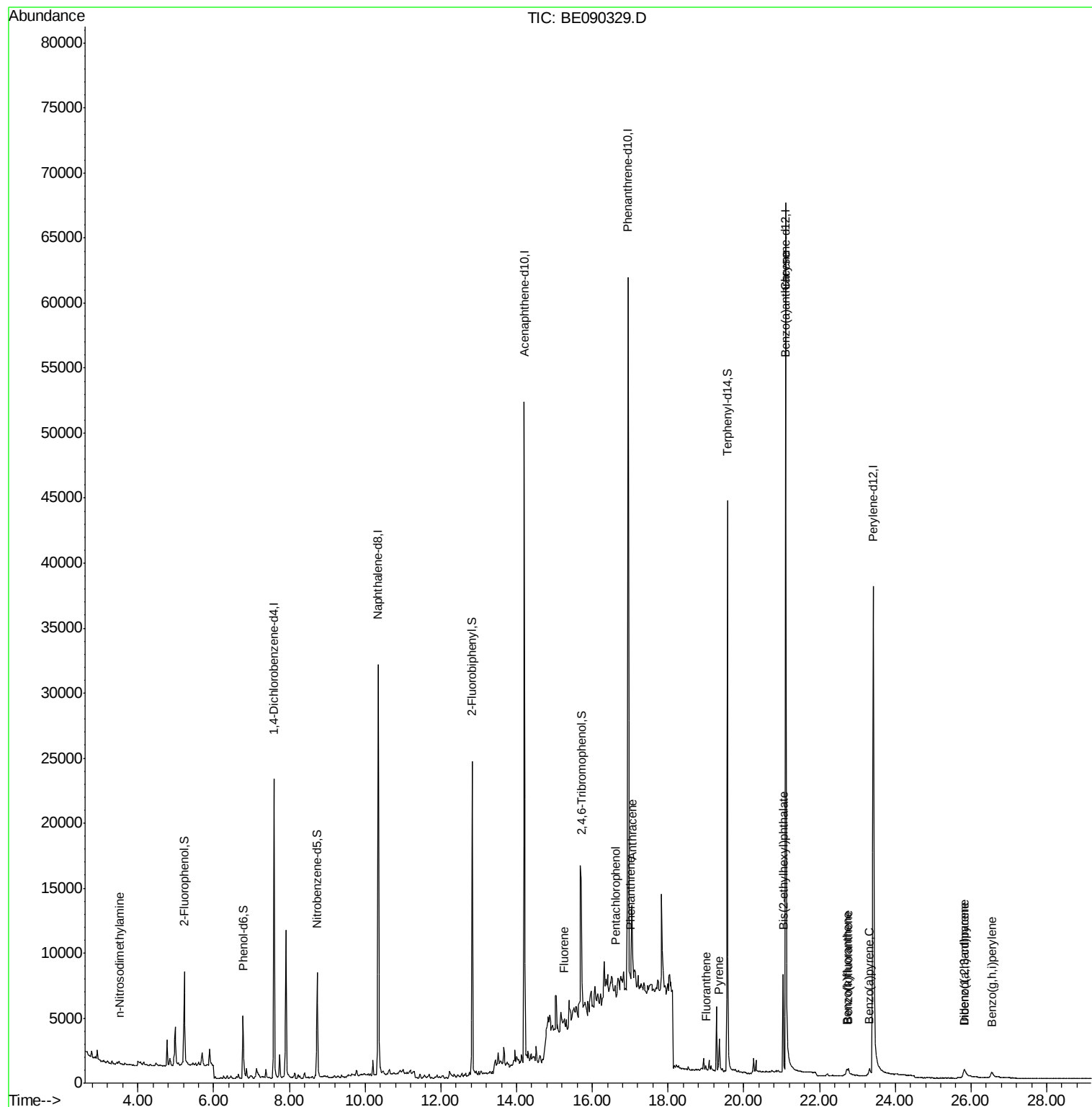
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	21	Below Cal	#	27
3) n-Nitrosodimethylamine	3.52	42	55	0.03	ng	# 69
17) Fluorene	15.26	166	225	0.03	ng	# 76
21) Pentachlorophenol	16.61	266	106	0.34	ng	# 98
22) Phenanthrene	17.00	178	498	0.03	ng	# 56
23) Anthracene	17.05	178	345	0.02	ng	# 1
24) Fluoranthene	18.99	202	368	0.02	ng	# 90
26) Pyrene	19.35	202	2436	0.13	ng	# 93
28) Benzo(a)anthracene	21.09	228	830	0.06	ng	# 80
29) Chrysene	21.14	228	740	Below Cal	#	78
30) Bis(2-ethylhexyl)phthalate	21.03	149	7799	1.71	ng	# 97
31) Indeno(1,2,3-cd)pyrene	25.81	276	1446	0.31	ng	# 87
33) Benzo(b)fluoranthene	22.71	252	930	0.43	ng	# 73
34) Benzo(k)fluoranthene	22.76	252	1037	0.06	ng	# 70
35) Benzo(a)pyrene	23.31	252	989	0.39	ng	# 80
36) Dibenzo(a,h)anthracene	25.84	278	1080	0.37	ng	# 98
37) Benzo(a,h,i)perylene	26.55	276	1425	0.36	ng	# 96

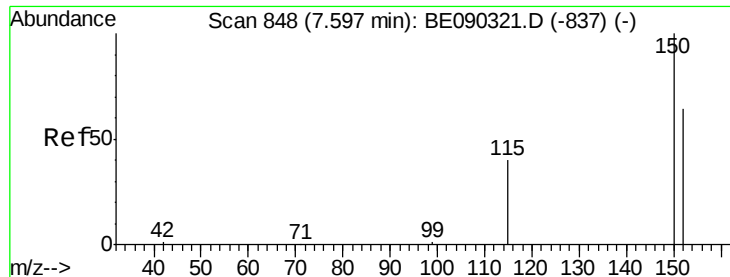
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080315\
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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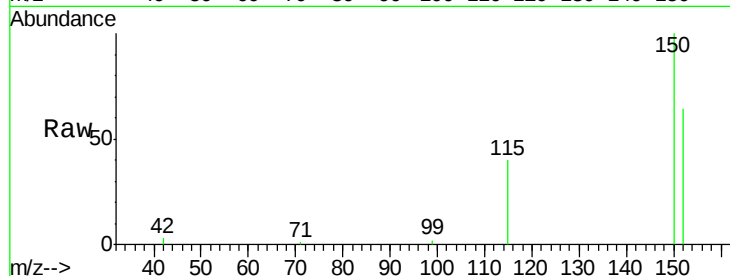


#1

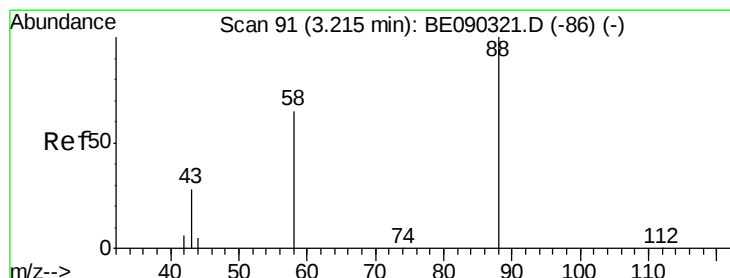
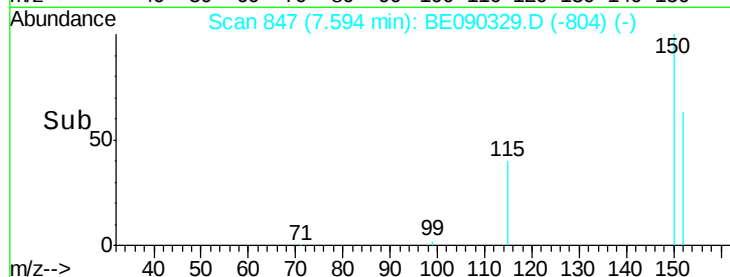
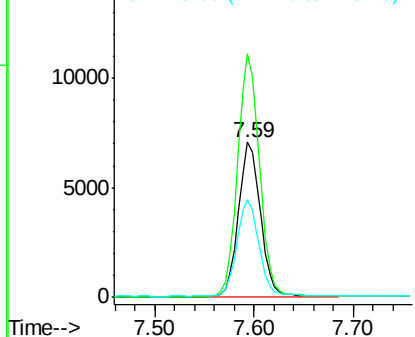
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.59 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Instrument :
BNA_E
ClientSampleID :
SUMP-3

Tot Ion:152 Resp: 10852
Ion Ratio Lower Upper
152 100
150 157.1 124.2 186.2
115 63.4 50.4 75.6



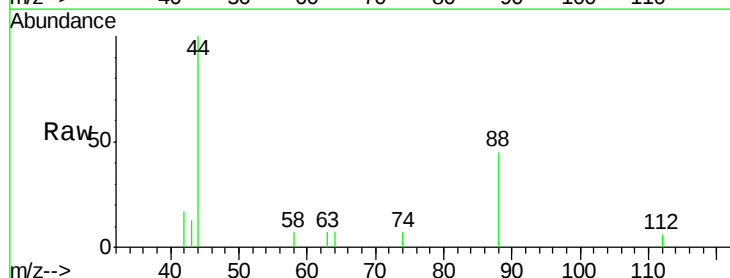
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



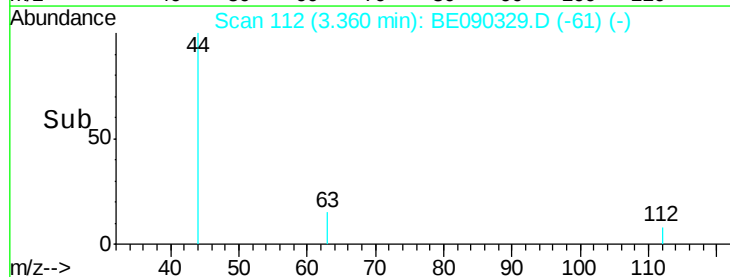
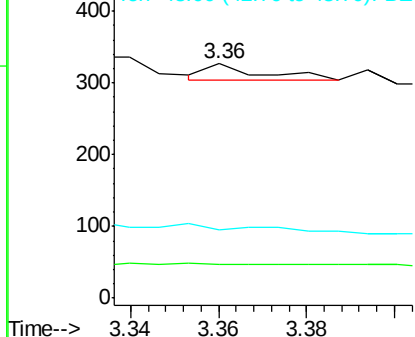
#2

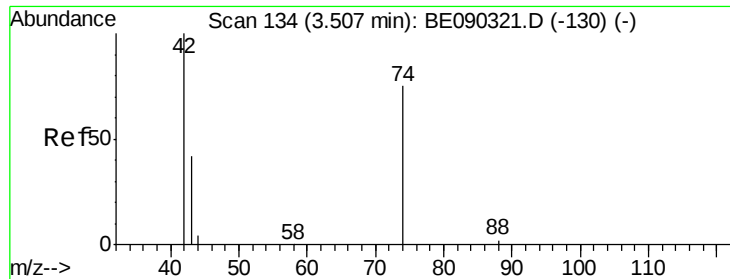
1,4-Dioxane
Concen: Below Cal
RT: 3.36 min Scan# 112
Delta R.T. 0.15 min
Lab File: BE090329.D
Acq: 4 Aug 2015 3:14

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
58 0.0 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





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.52 min Scan# 135

Delta R.T. 0.01 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

Instrument :

BNA_E

ClientSampled :

SUMP-3

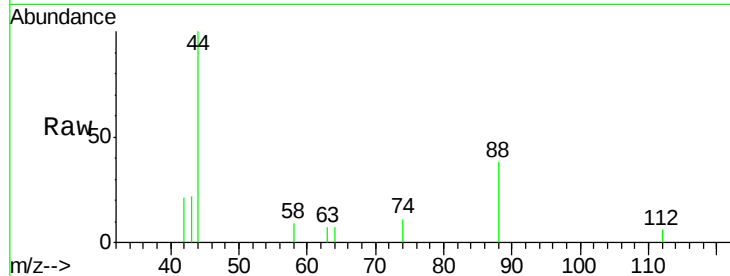
Tot Ion: 42 Resp: 55

Ion Ratio Lower Upper

42 100

74 118.2 73.2 109.8#

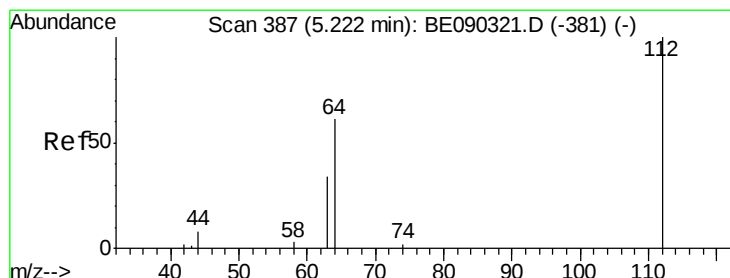
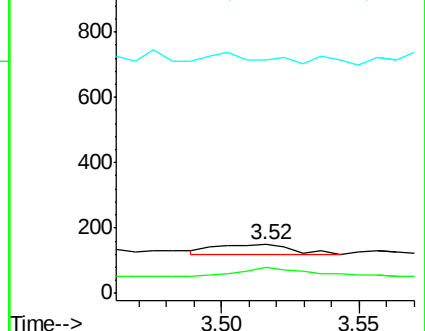
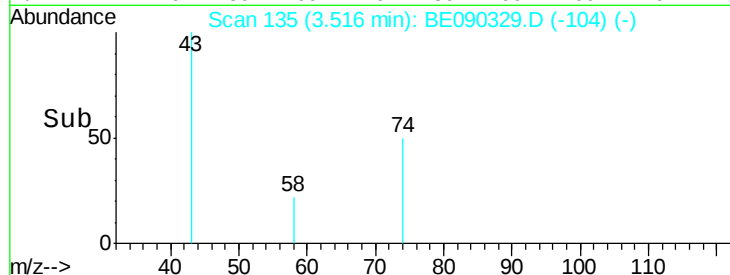
44 34.5 3.8 5.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 2.99 ng

RT: 5.22 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

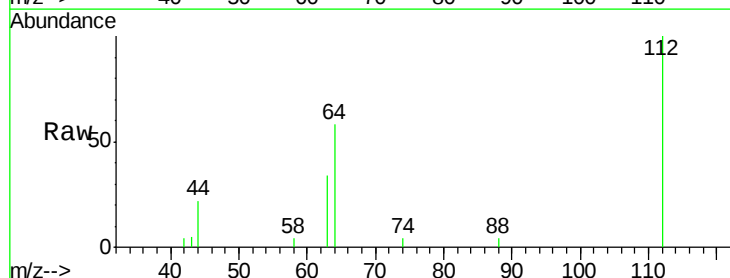
Tgt Ion: 112 Resp: 6211

Ion Ratio Lower Upper

112 100

64 57.3 49.0 73.4

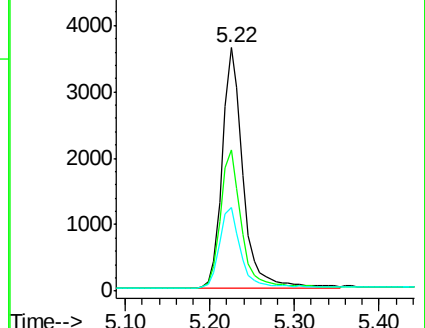
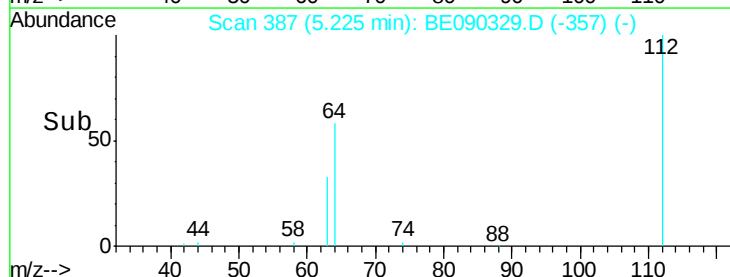
63 34.8 27.7 41.5

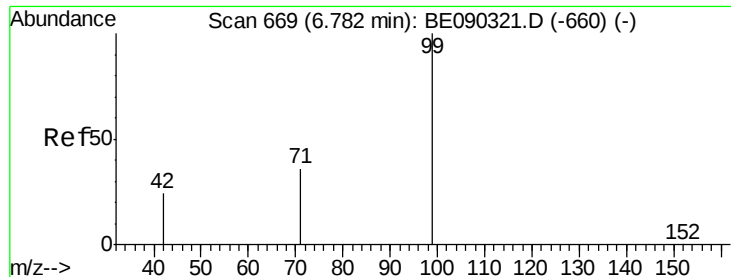


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.29 ng

RT: 6.78 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

Instrument :

BNA_E

ClientSampled :

SUMP-3

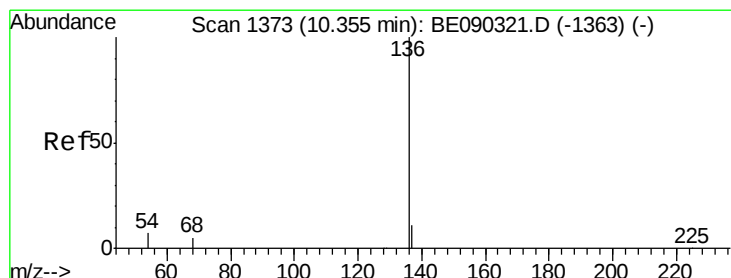
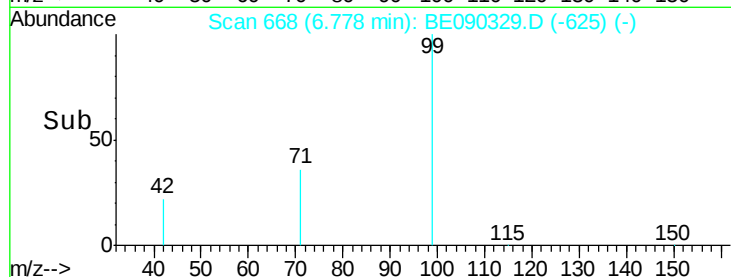
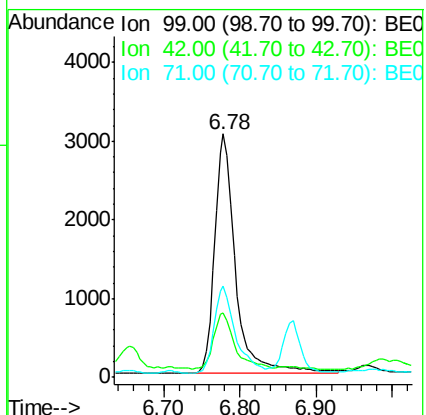
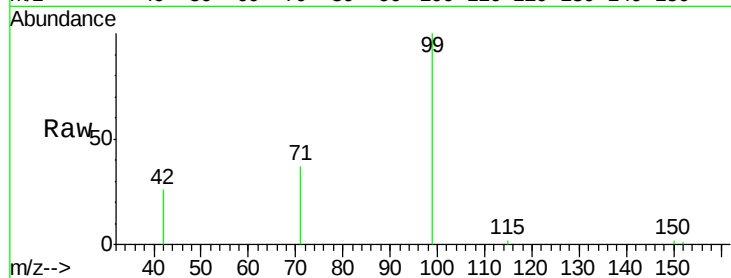
Tot Ion: 99 Resp: 5837

Ion Ratio Lower Upper

99 100

42 23.5 22.2 33.2

71 36.6 29.2 43.8



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.35 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

Tgt Ion: 136 Resp: 45697

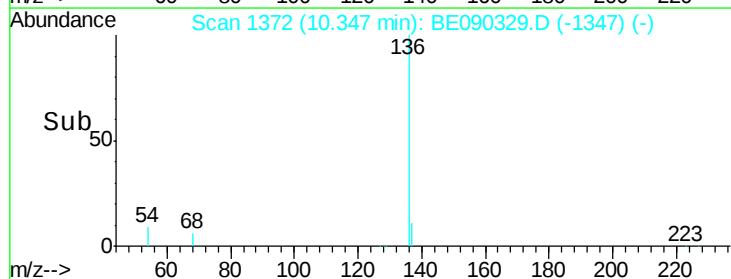
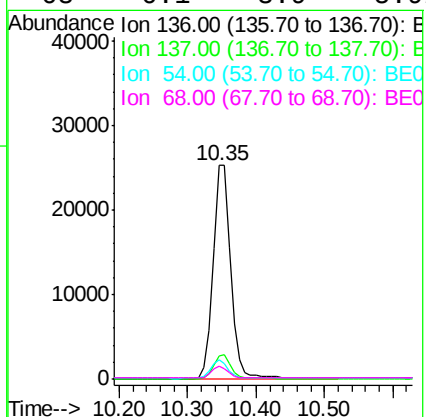
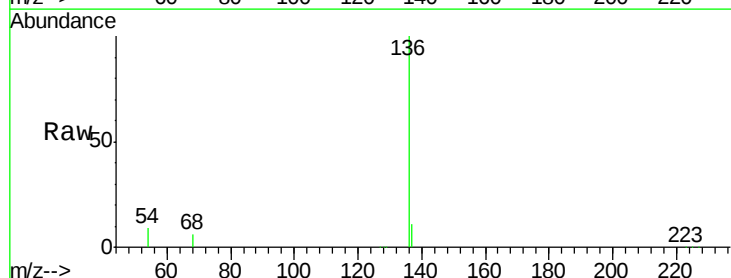
Ion Ratio Lower Upper

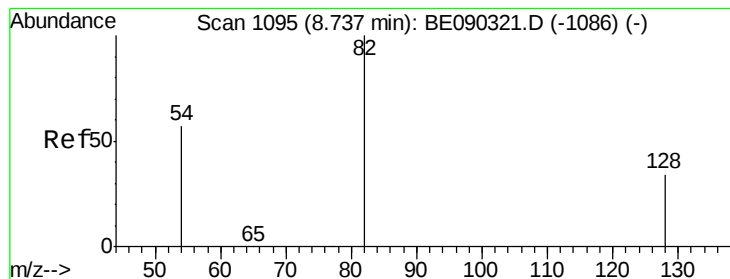
136 100

137 11.0 8.9 13.3

54 8.8 6.0 9.0

68 6.1 3.9 5.9#





#7

Nitrobenzene-d5

Concen: 2.81 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

Instrument :

BNA_E

ClientSampleId :

SUMP-3

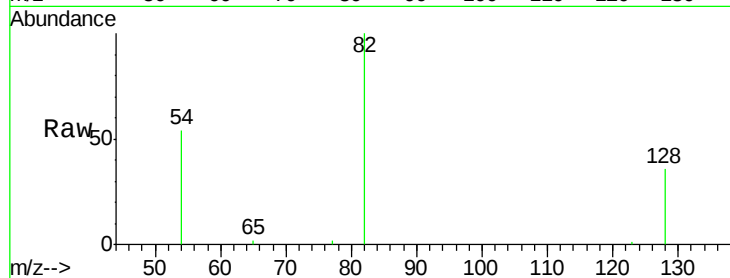
Tot Ion: 82 Resp: 7575

Ion Ratio Lower Upper

82 100

128 36.0 30.8 46.2

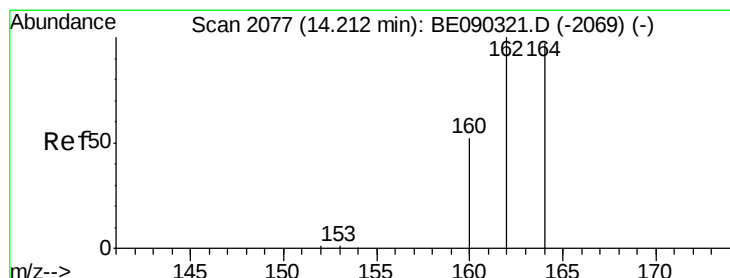
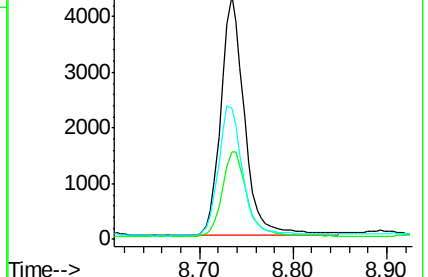
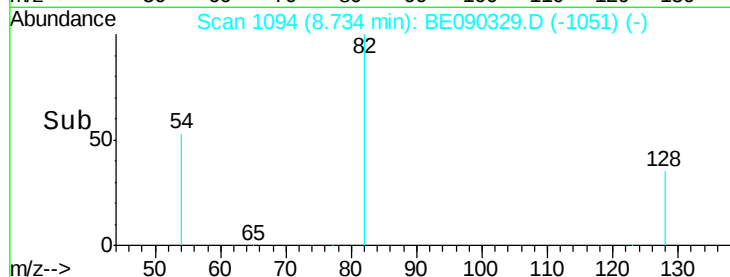
54 53.8 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BE090329.D (-1051) (-)

Ion 128.00 (127.70 to 128.70): BE090329.D (-1051) (-)

Ion 54.00 (53.70 to 54.70): BE090329.D (-1051) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.21 min Scan# 2076

Delta R.T. -0.01 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

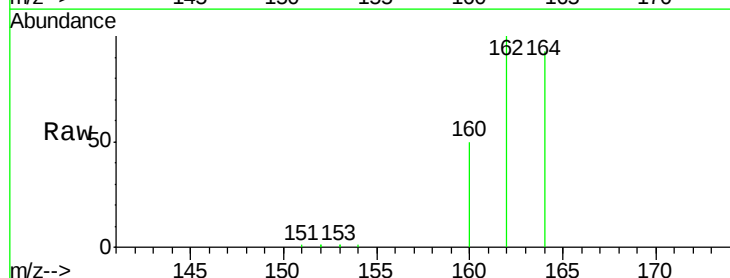
Tgt Ion: 164 Resp: 27384

Ion Ratio Lower Upper

164 100

162 107.1 82.7 124.1

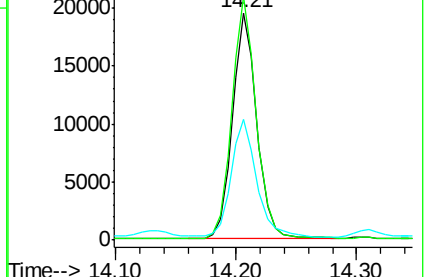
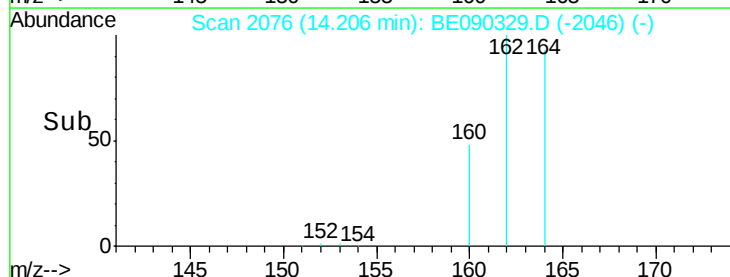
160 53.1 43.0 64.6

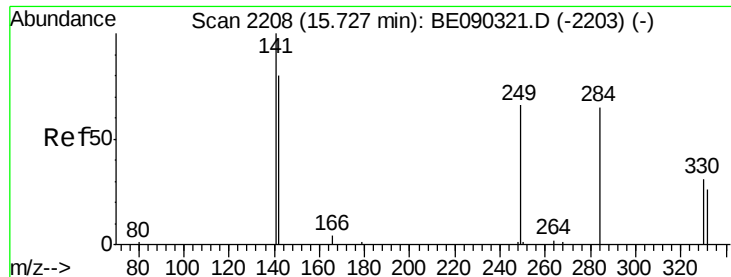


Abundance Ion 164.00 (163.70 to 164.70): BE090329.D (-2046) (-)

Ion 162.00 (161.70 to 162.70): BE090329.D (-2046) (-)

Ion 160.00 (159.70 to 160.70): BE090329.D (-2046) (-)

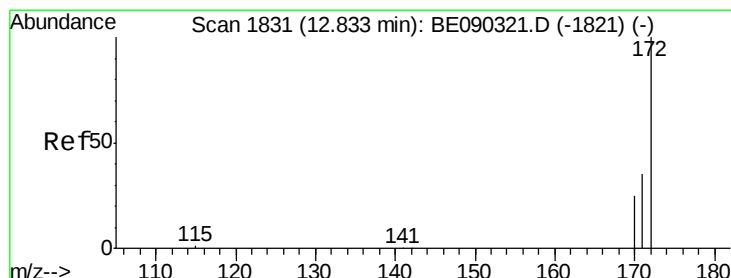
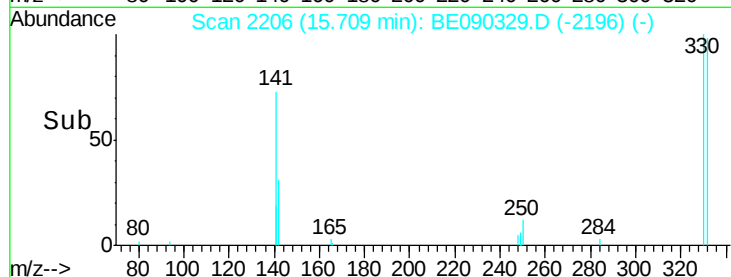
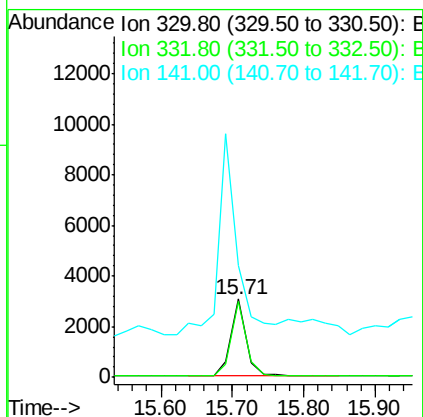
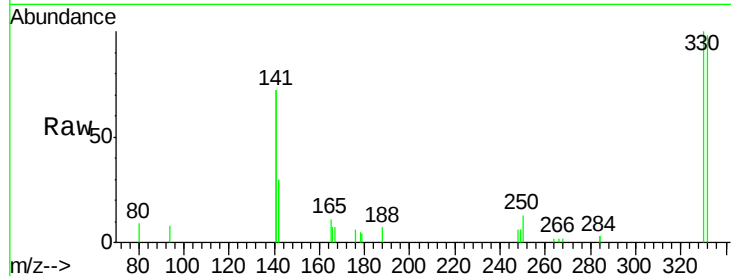




#13
 2,4,6-Tribromophenol
 Concen: 8.09 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090329.D
 Acq: 4 Aug 2015 3:14

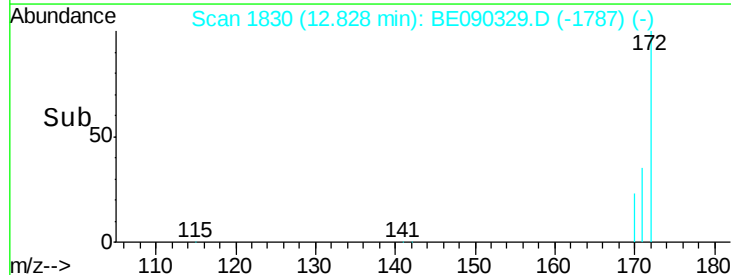
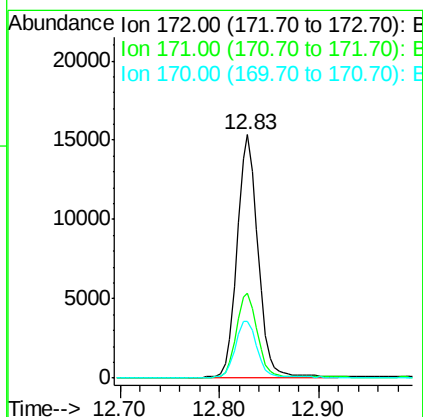
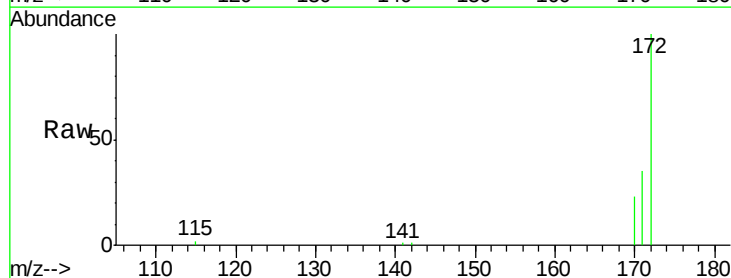
Instrument :
 BNA_E
 ClientSampleId :
 SUMP-3

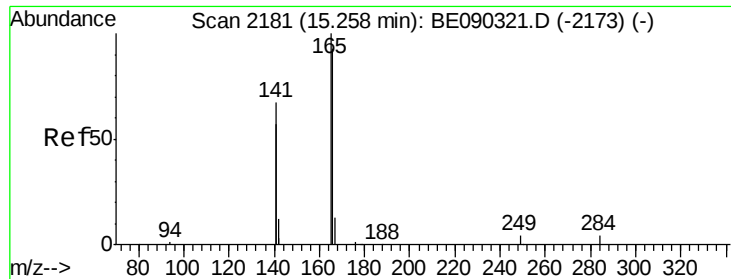
Tot Ion:330 Resp: 4588
 Ion Ratio Lower Upper
 330 100
 332 96.6 79.4 119.0
 141 316.3 245.9 368.9



#14
 2-Fluorobiphenyl
 Concen: 2.83 ng
 RT: 12.83 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BE090329.D
 Acq: 4 Aug 2015 3:14

Tgt Ion:172 Resp: 22483
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.5 44.3
 170 23.3 21.3 31.9

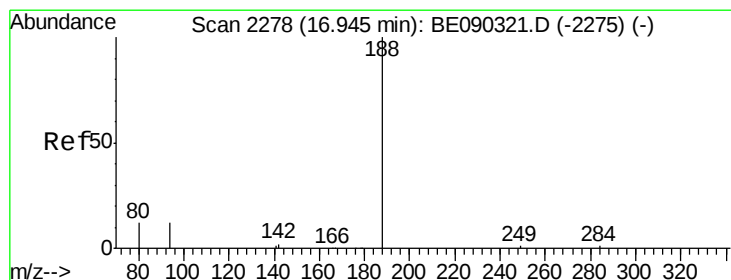
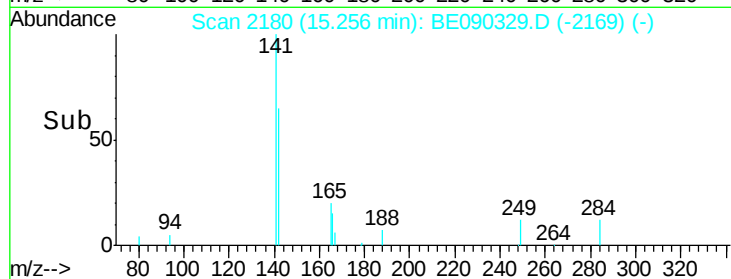
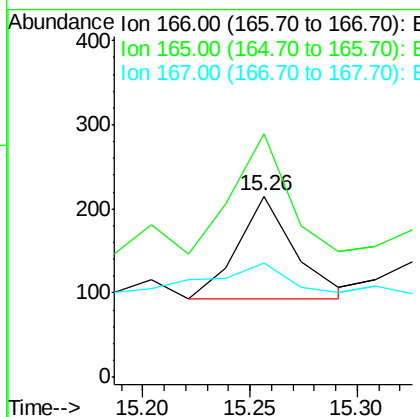
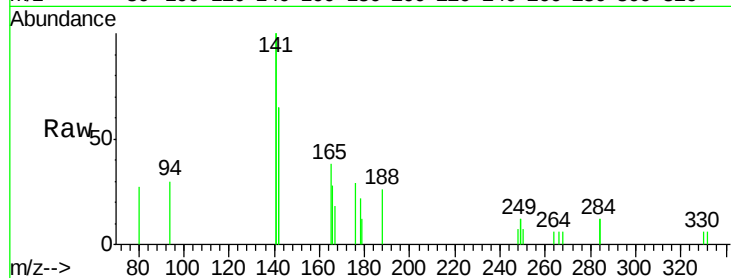




#17
Fluorene
 Concen: 0.03 ng
 RT: 15.26 min Scan# 2180
 Delta R.T. -0.00 min
 Lab File: BE090329.D
 Acq: 4 Aug 2015 3:14

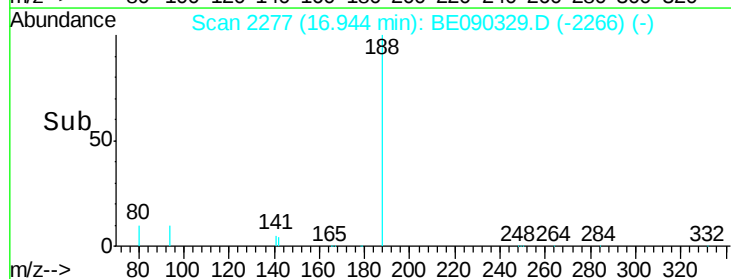
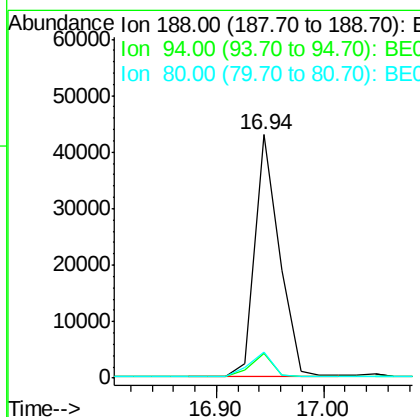
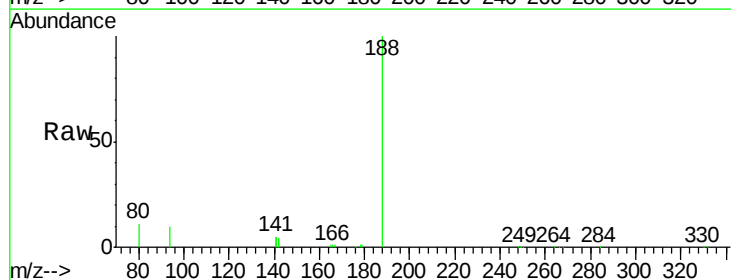
Instrument :
 BNA_E
 ClientSampled :
 SUMP-3

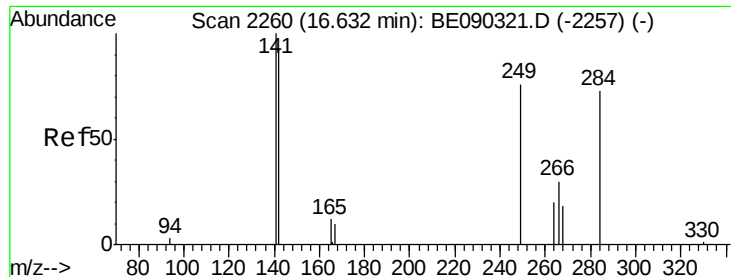
Tot Ion:166 Resp: 225
 Ion Ratio Lower Upper
 166 100
 165 120.9 82.6 123.8
 167 43.1 11.8 17.8#



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BE090329.D
 Acq: 4 Aug 2015 3:14

Tgt Ion:188 Resp: 68660
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.5 14.3
 80 10.7 10.0 15.0





#21

Pentachlorophenol

Concen: 0.34 ng

RT: 16.61 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

Instrument :

BNA_E

ClientSampled :

SUMP-3

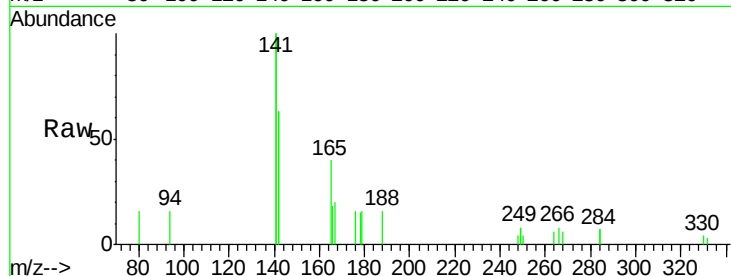
Tot Ion:266 Resp: 106

Ion Ratio Lower Upper

266 100

268 84.4 66.2 99.2

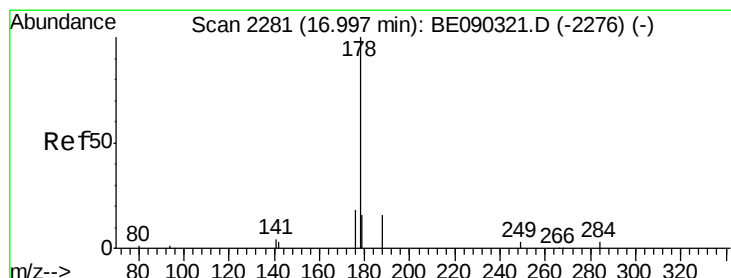
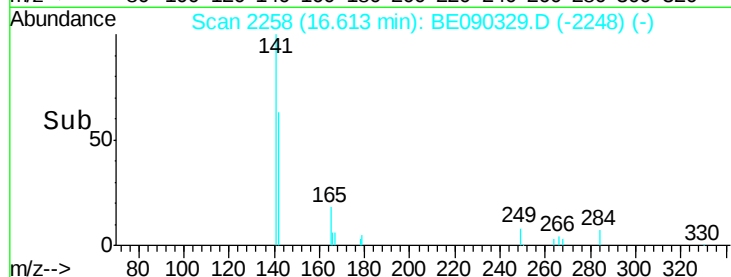
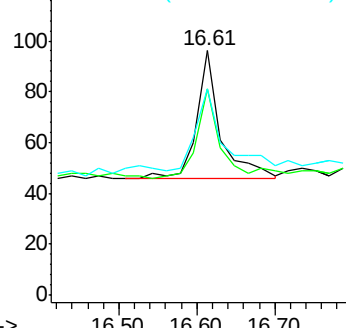
264 84.4 69.1 103.7



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: BE090329.D

Acq: 4 Aug 2015 3:14

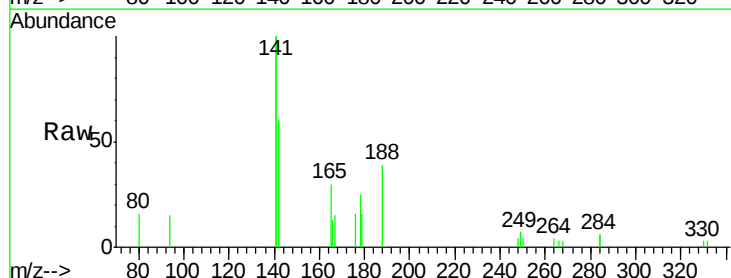
Tgt Ion:178 Resp: 498

Ion Ratio Lower Upper

178 100

176 42.2 15.5 23.3#

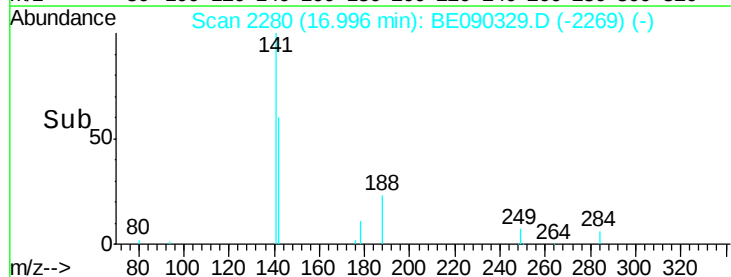
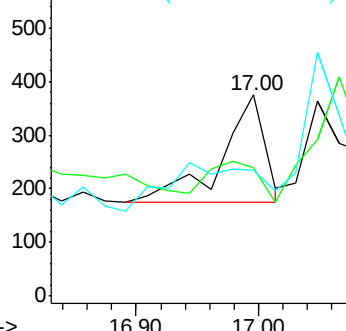
179 0.0 12.6 18.8#

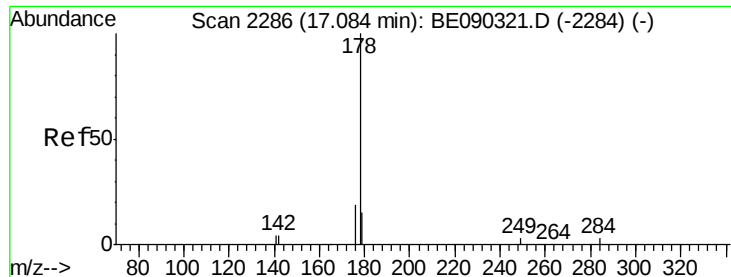


Abundance Ion 178.00 (177.70 to 178.70): E

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: 17.05 min Scan# 2283

Delta R.T. -0.04 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

Instrument :

BNA_E

ClientSampled :

SUMP-3

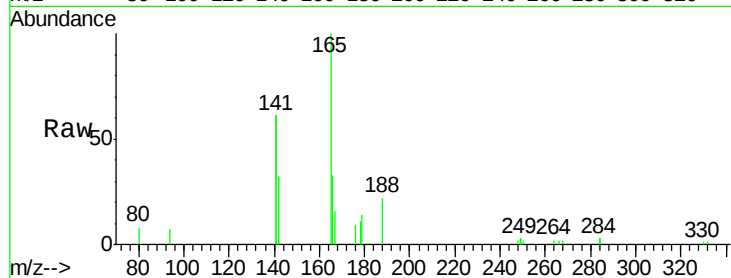
Tot Ion:178 Resp: 345

Ion Ratio Lower Upper

178 100

176 251.0 15.1 22.7#

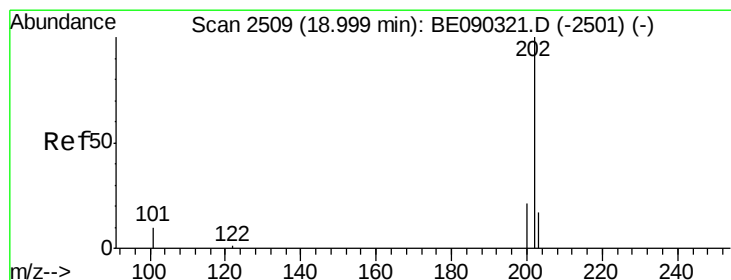
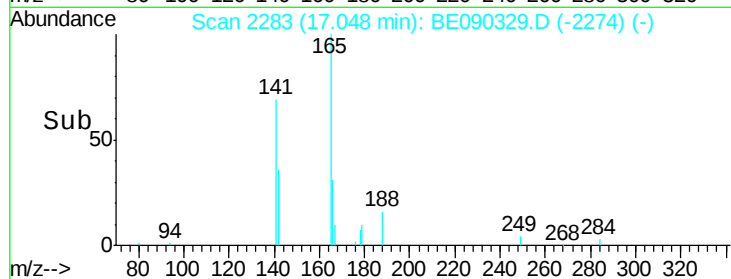
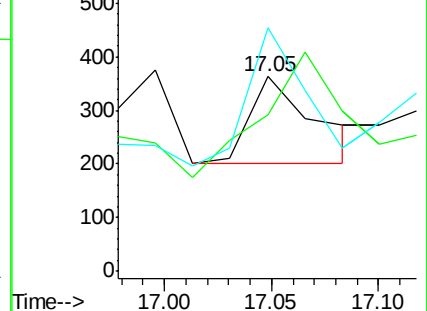
179 141.4 12.1 18.1#



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: 0.02 ng

RT: 18.99 min Scan# 2507

Delta R.T. -0.01 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

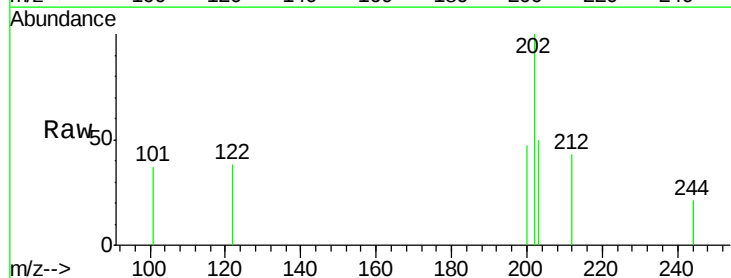
Tgt Ion:202 Resp: 368

Ion Ratio Lower Upper

202 100

101 17.4 8.3 12.5#

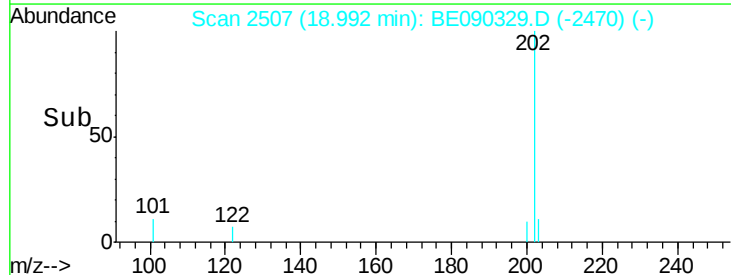
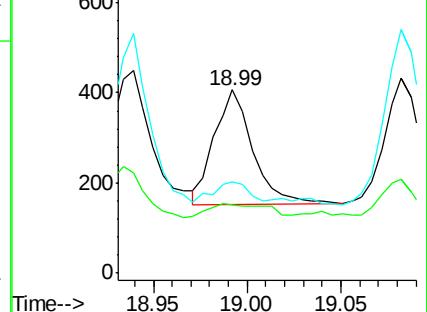
203 15.2 13.8 20.8

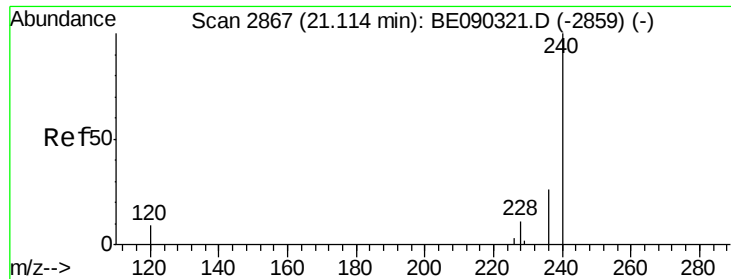


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.11 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

Instrument :

BNA_E

ClientSampleId :

SUMP-3

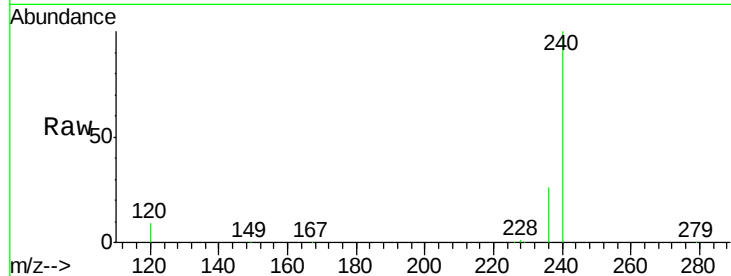
Tot Ion:240 Resp: 70556

Ion Ratio Lower Upper

240 100

120 8.7 7.5 11.3

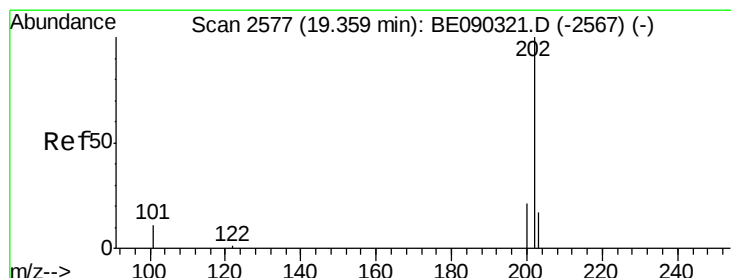
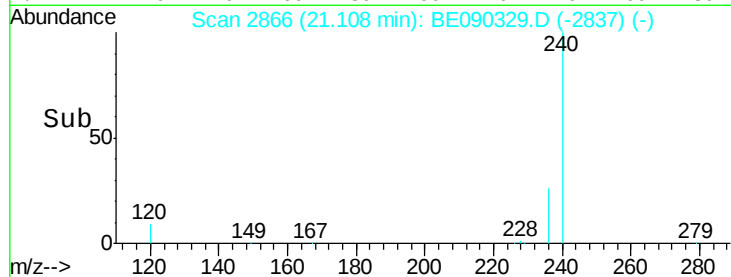
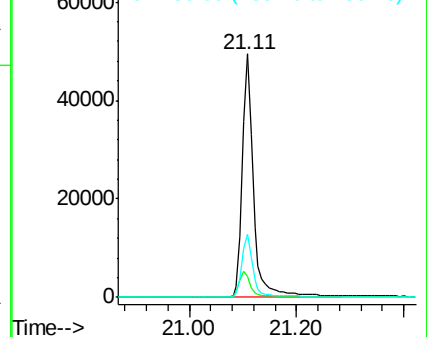
236 26.1 21.0 31.4



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: 0.13 ng

RT: 19.35 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

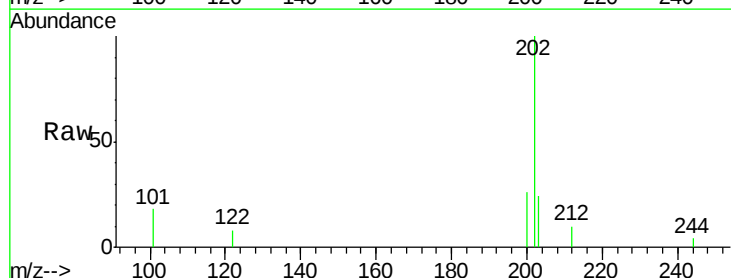
Tgt Ion:202 Resp: 2436

Ion Ratio Lower Upper

202 100

200 22.0 16.6 24.8

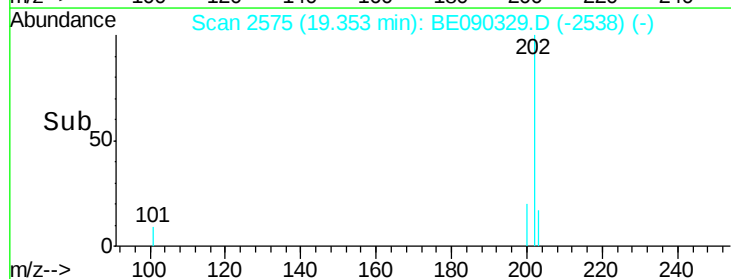
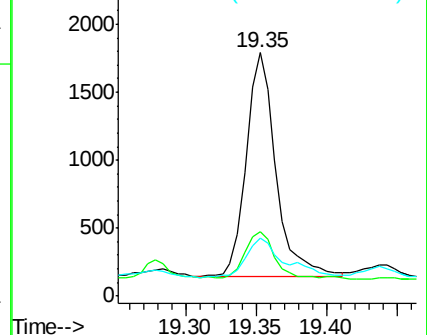
203 22.4 13.8 20.6#

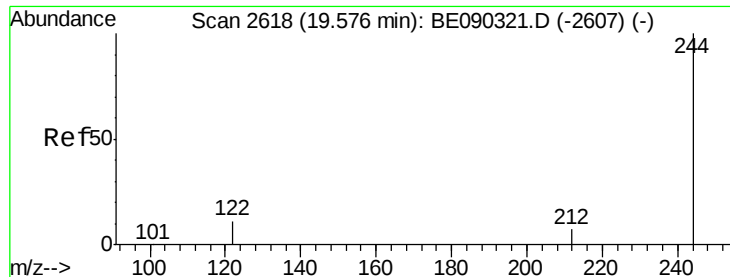


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

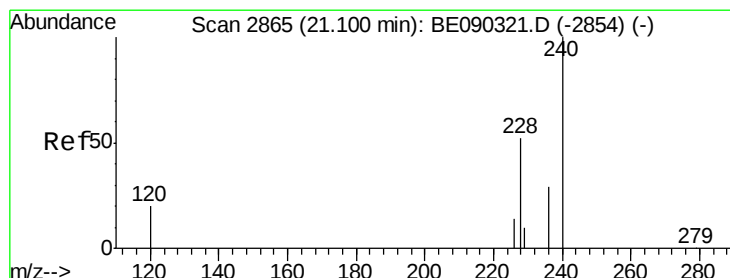
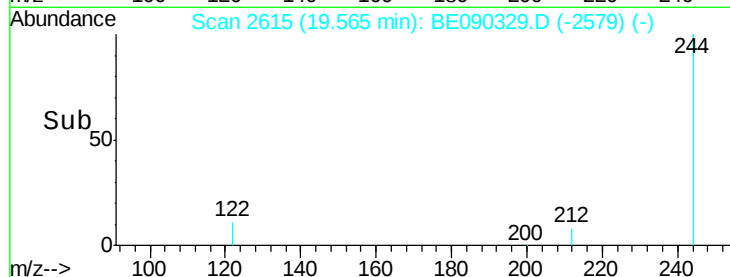
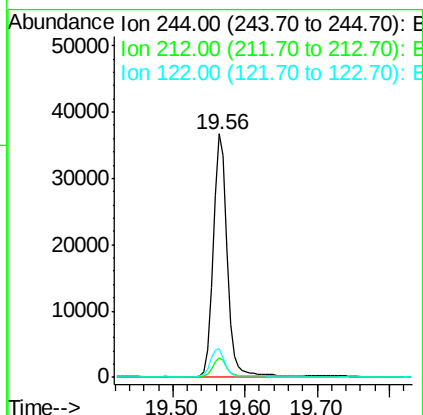
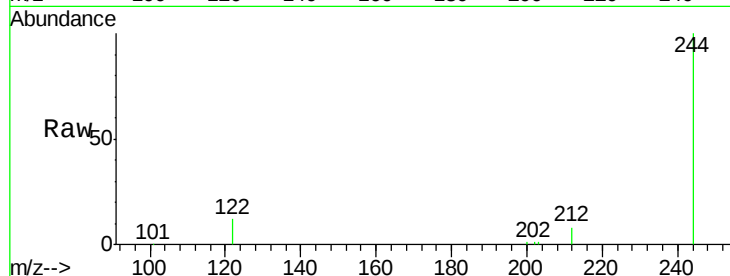




#27
 Terphenyl-d14
 Concen: 3.73 ng
 RT: 19.56 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: BE090329.D
 Acq: 4 Aug 2015 3:14

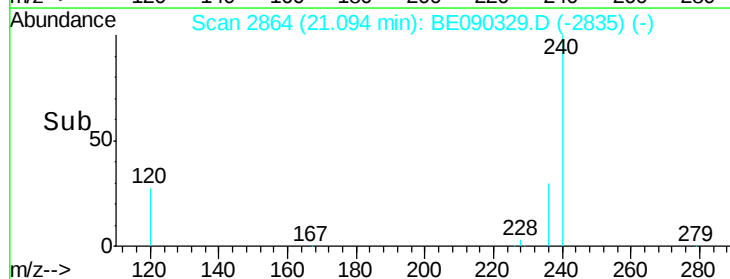
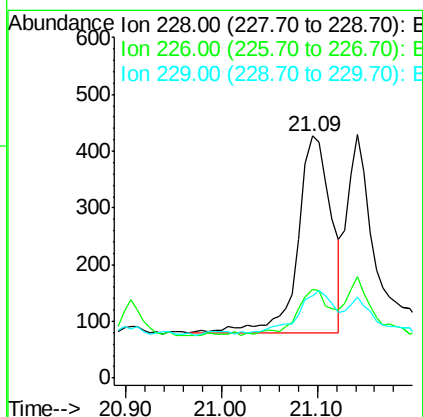
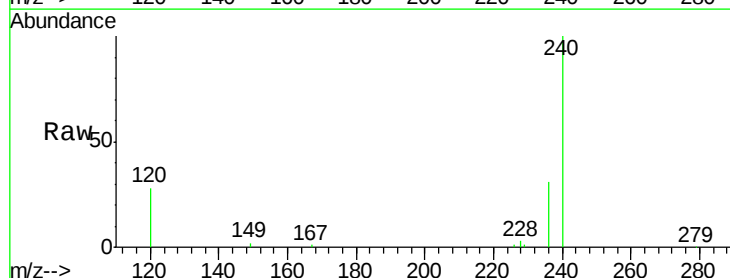
Instrument :
 BNA_E
 ClientSampleId :
 SUMP-3

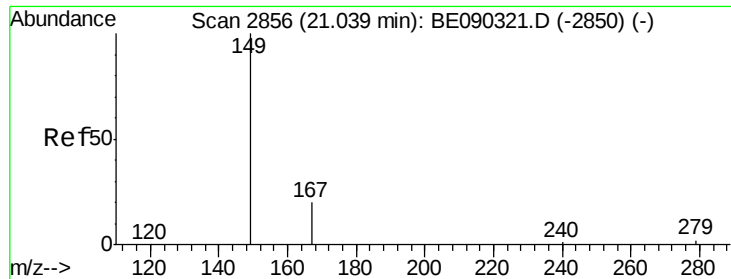
Tot Ion:244 Resp: 49217
 Ion Ratio Lower Upper
 244 100
 212 8.1 7.4 11.2
 122 11.8 10.4 15.6



#28
 Benzo(a)anthracene
 Concen: 0.06 ng
 RT: 21.09 min Scan# 2864
 Delta R.T. -0.01 min
 Lab File: BE090329.D
 Acq: 4 Aug 2015 3:14

Tgt Ion:228 Resp: 830
 Ion Ratio Lower Upper
 228 100
 226 36.8 23.0 34.4#
 229 34.0 17.4 26.2#

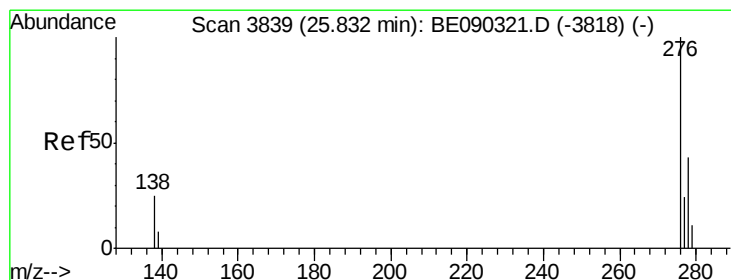
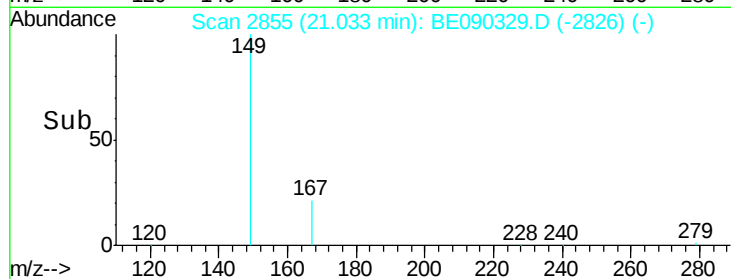
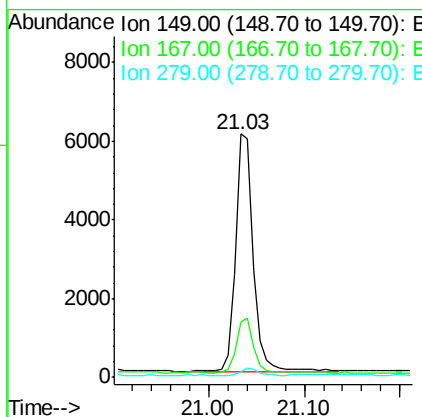
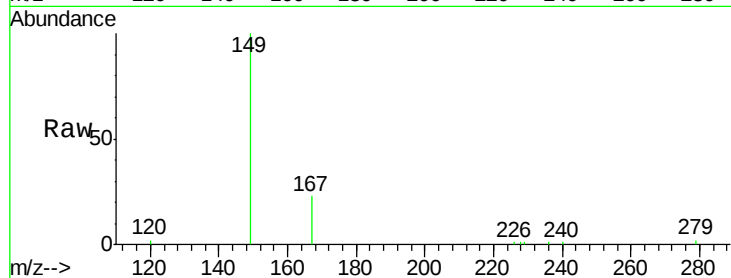




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 1.71 ng
 RT: 21.03 min Scan# 2855
 Delta R.T. -0.01 min
 Lab File: BE090329.D
 Acq: 4 Aug 2015 3:14

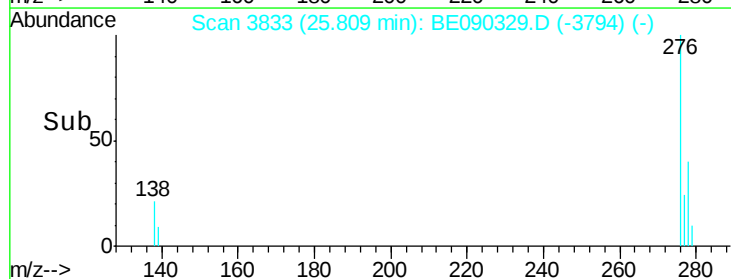
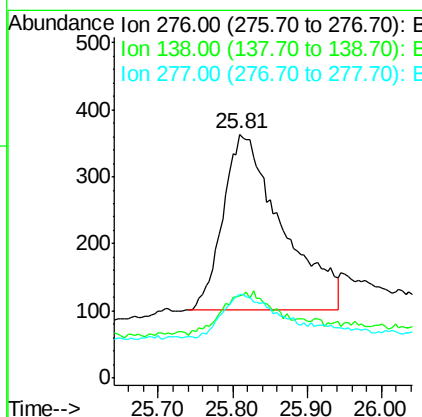
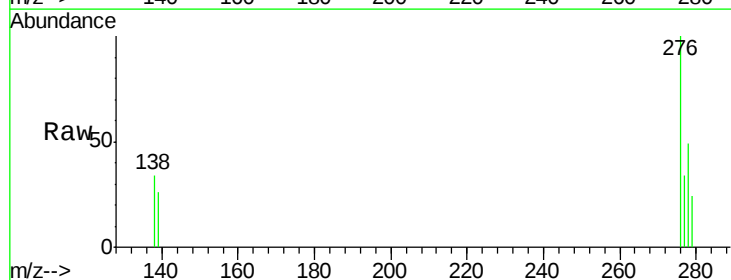
Instrument :
 BNA_E
 ClientSampleId :
 SUMP-3

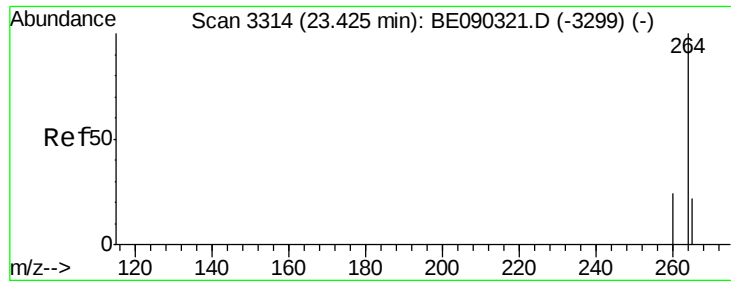
Tot Ion:149 Resp: 7799
 Ion Ratio Lower Upper
 149 100
 167 21.9 16.6 24.8
 279 2.8 2.7 4.1



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.31 ng
 RT: 25.81 min Scan# 3833
 Delta R.T. -0.02 min
 Lab File: BE090329.D
 Acq: 4 Aug 2015 3:14

Tgt Ion:276 Resp: 1446
 Ion Ratio Lower Upper
 276 100
 138 21.4 10.6 16.0#
 277 21.9 14.6 22.0

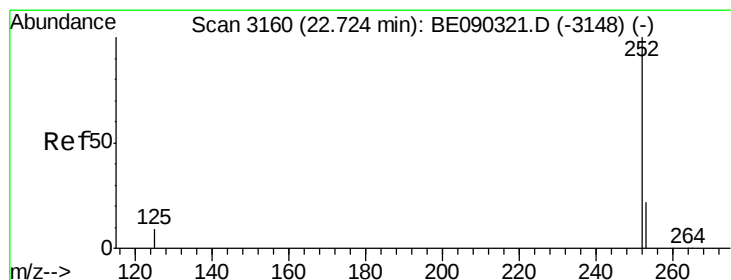
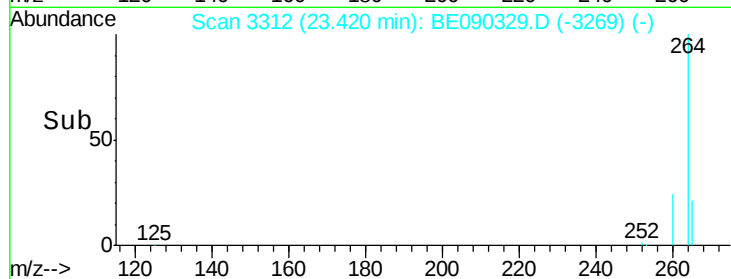
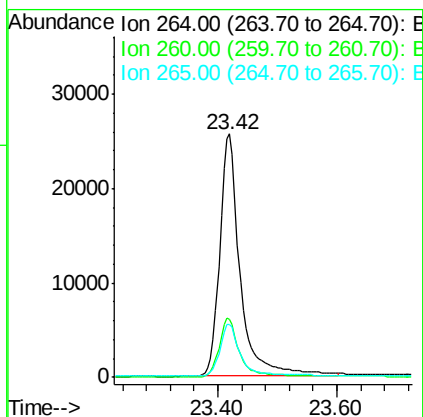
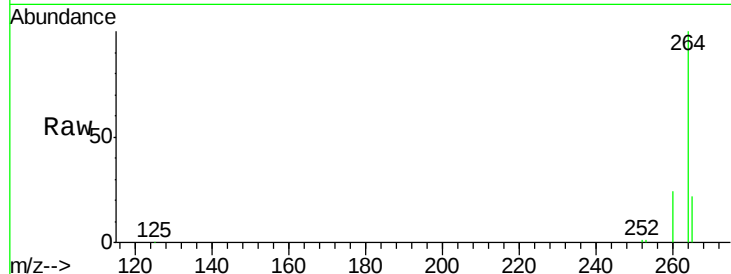




#32
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.42 min Scan# 3312
 Delta R.T. -0.01 min
 Lab File: BE090329.D
 Acq: 4 Aug 2015 3:14

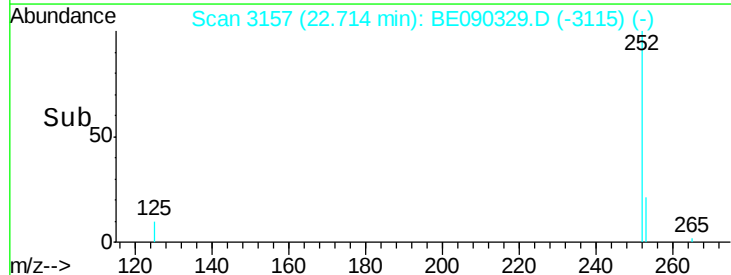
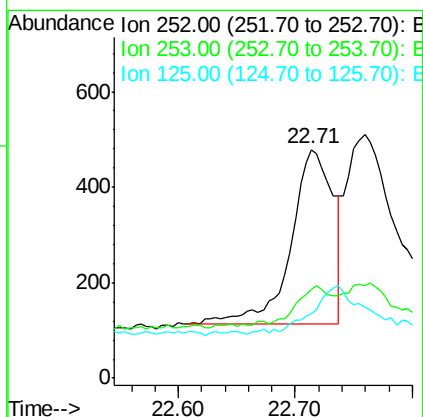
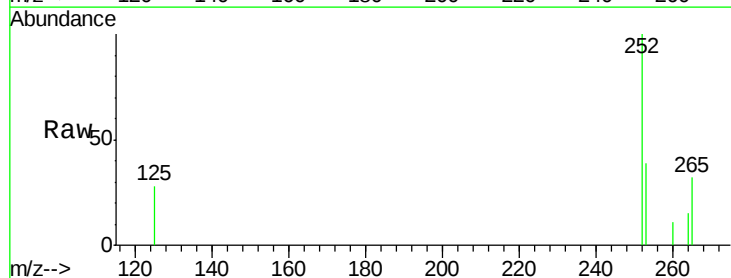
Instrument :
 BNA_E
 ClientSampleId :
 SUMP-3

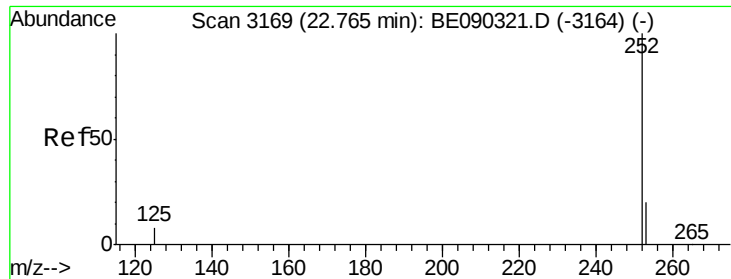
Tot Ion:264 Resp: 62021
 Ion Ratio Lower Upper
 264 100
 260 24.0 20.1 30.1
 265 21.9 18.6 28.0



#33
 Benzo(b)fluoranthene
 Concen: 0.43 ng
 RT: 22.71 min Scan# 3157
 Delta R.T. -0.01 min
 Lab File: BE090329.D
 Acq: 4 Aug 2015 3:14

Tgt Ion:252 Resp: 930
 Ion Ratio Lower Upper
 252 100
 253 38.8 21.5 32.3#
 125 28.4 11.8 17.8#





#34

Benzo(k)fluoranthene

Concen: 0.06 ng

RT: 22.76 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

Instrument :

BNA_E

ClientSampleId :

SUMP-3

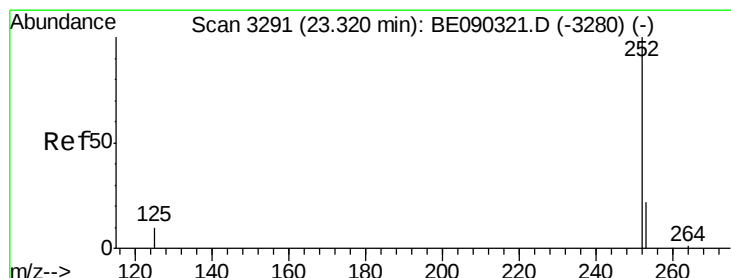
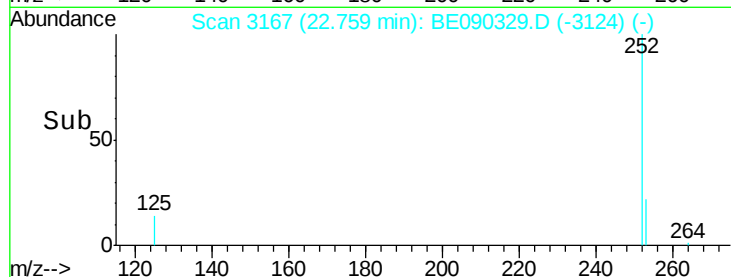
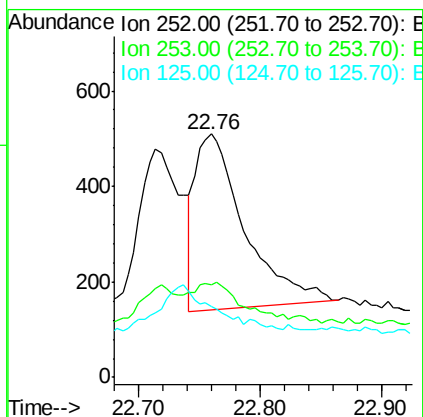
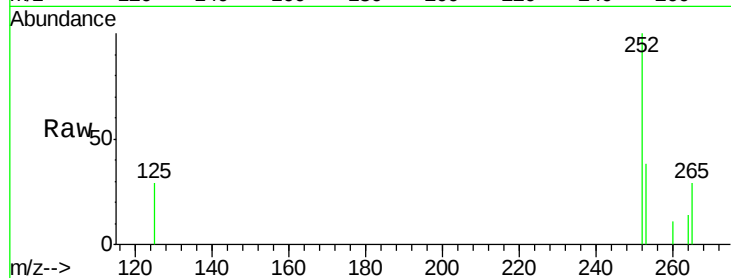
Tot Ion:252 Resp: 1037

Ion Ratio Lower Upper

252 100

253 37.8 19.9 29.9#

125 29.2 11.2 16.8#



#35

Benzo(a)pyrene

Concen: 0.39 ng

RT: 23.31 min Scan# 3289

Delta R.T. -0.01 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

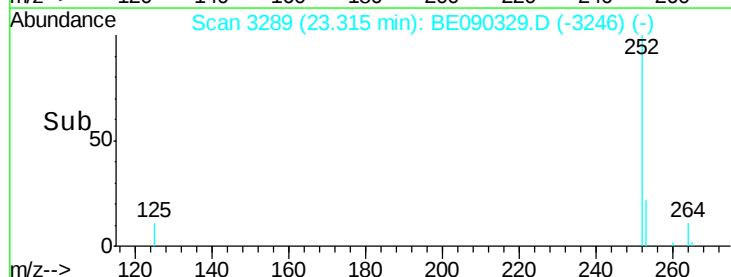
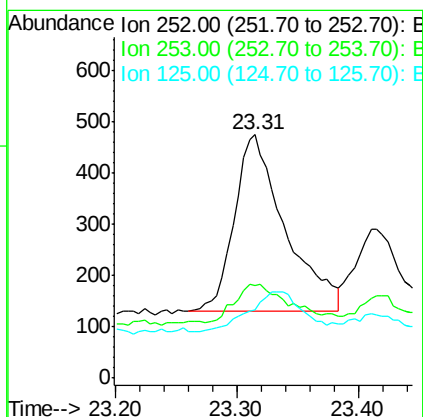
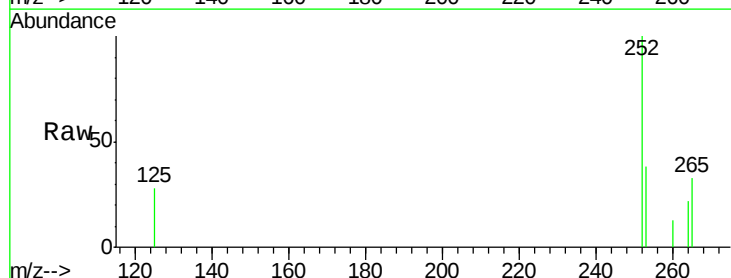
Tgt Ion:252 Resp: 989

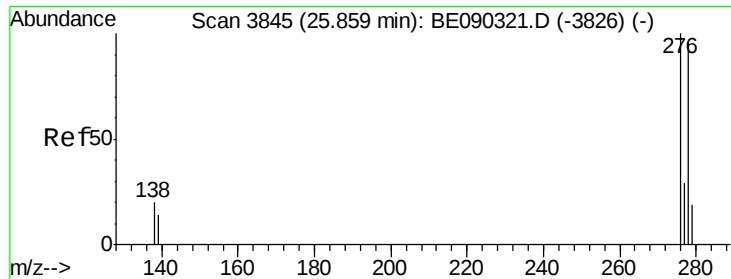
Ion Ratio Lower Upper

252 100

253 38.2 23.0 34.4#

125 27.9 14.2 21.2#





#36

Dibenzo(a,h)anthracene

Concen: 0.37 ng

RT: 25.84 min Scan# 3840

Delta R.T. -0.02 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

Instrument :

BNA_E

ClientSampleId :

SUMP-3

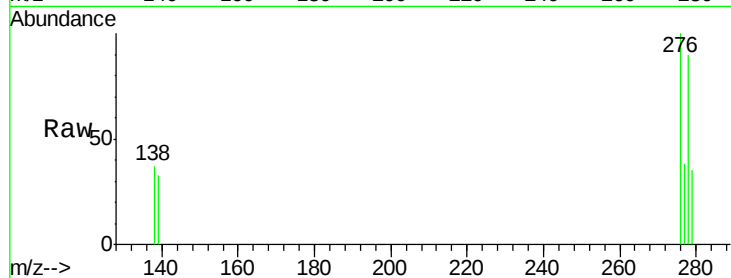
Tot Ion:278 Resp: 1080

Ion Ratio Lower Upper

278 100

139 36.9 27.8 41.6

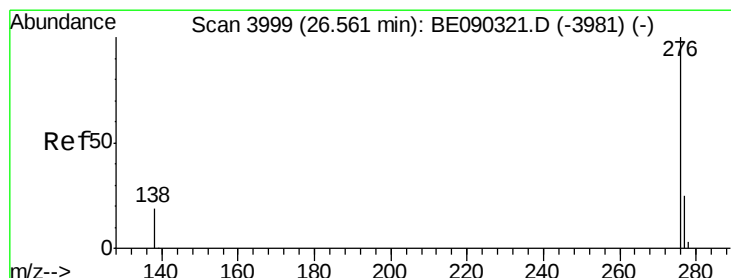
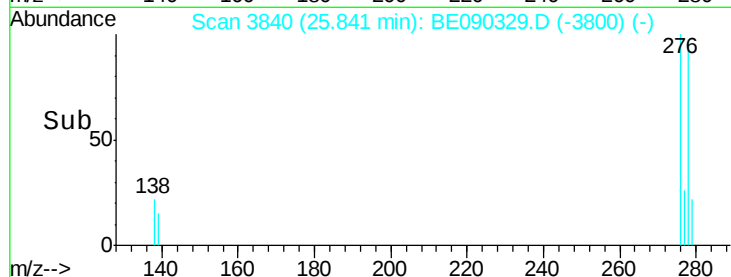
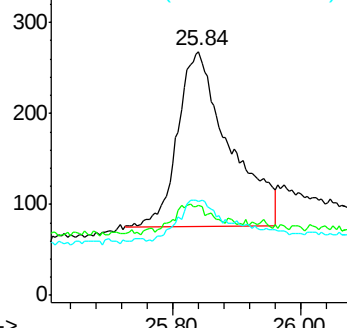
279 38.4 30.9 46.3



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: 0.36 ng

RT: 26.55 min Scan# 3995

Delta R.T. -0.01 min

Lab File: BE090329.D

Acq: 4 Aug 2015 3:14

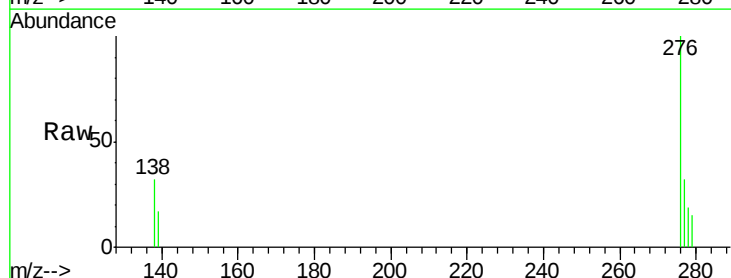
Tgt Ion:276 Resp: 1425

Ion Ratio Lower Upper

276 100

277 32.1 25.6 38.4

138 31.9 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

