

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080315\
 Data File : BE090328.D
 Acq On : 4 Aug 2015 2:38
 Operator : TP/UM
 Sample : PB84793BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84793BSD

Quant Time: Aug 04 07:41:14 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	13455	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	59126	5.00	ng	0.00
12) Acenaphthene-d10	14.21	164	30529	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	66824	5.00	ng	0.00
25) Chrysene-d12	21.11	240	61845	5.00	ng	0.00
32) Perylene-d12	23.42	264	50947	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	11086	4.31	ng	0.00
5) Phenol-d6	6.78	99	14448	4.57	ng	0.00
7) Nitrobenzene-d5	8.73	82	9209	2.64	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	2126	4.30	ng	-0.02
14) 2-Fluorobiphenyl	12.83	172	22324	2.52	ng	0.00
27) Terphenyl-d14	19.57	244	27354	2.36	ng	0.00

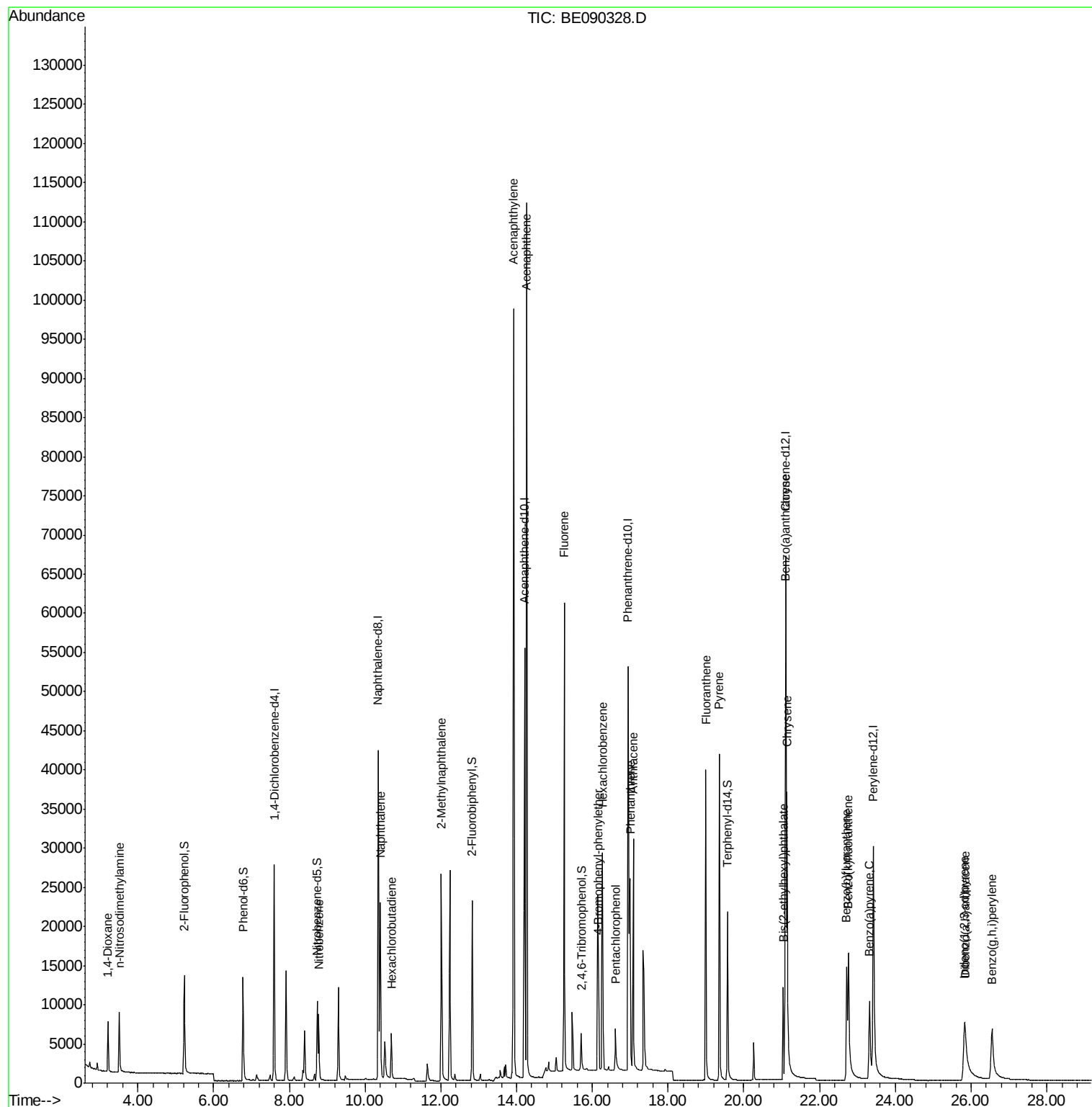
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.21	88	4072	2.49	ng	93
3) n-Nitrosodimethylamine	3.50	42	5548	2.44	ng	# 96
8) Nitrobenzene	8.78	77	9484	2.63	ng	96
9) Naphthalene	10.40	128	30211	2.38	ng	97
10) Hexachlorobutadiene	10.69	225	3932	2.31	ng	99
11) 2-Methylnaphthalene	12.01	142	20013	2.55	ng	98
15) Acenaphthylene	13.92	152	128950	2.42	ng	99
16) Acenaphthene	14.27	154	18829	2.44	ng	96
17) Fluorene	15.26	166	24129	2.58	ng	99
19) 4-Bromophenyl-phenylether	16.16	248	6118	2.44	ng	97
20) Hexachlorobenzene	16.27	284	22482	2.37	ng	97
21) Pentachlorophenol	16.61	266	3202	4.92	ng	# 77
22) Phenanthrene	17.00	178	35845	2.36	ng	99
23) Anthracene	17.08	178	34765	2.56	ng	98
24) Fluoranthene	18.99	202	38110	2.49	ng	100
26) Pyrene	19.35	202	40439	2.42	ng	99
28) Benzo(a)anthracene	21.09	228	30846	2.62	ng	97
29) Chrysene	21.14	228	35847	2.53	ng	99
30) Bis(2-ethylhexyl)phthalate	21.04	149	11571	2.60	ng	98
31) Indeno(1,2,3-cd)pyrene	25.82	276	19901	2.70	ng	# 82
33) Benzo(b)fluoranthene	22.71	252	20888	2.32	ng	# 91
34) Benzo(k)fluoranthene	22.76	252	33147	2.40	ng	# 93
35) Benzo(a)pyrene	23.32	252	20782	2.45	ng	# 87
36) Dibenzo(a,h)anthracene	25.84	278	13987	2.73	ng	# 72
37) Benzo(g,h,i)perylene	26.56	276	21775	2.43	ng	# 87

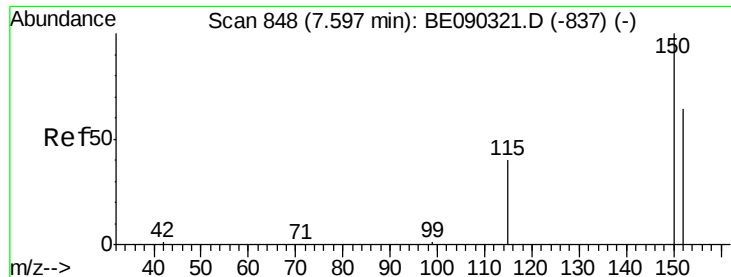
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080315\
Data File : BE090328.D
Acq On : 4 Aug 2015 2:38
Operator : TP/UM
Sample : PB84793BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Quant Time: Aug 04 07:41:14 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
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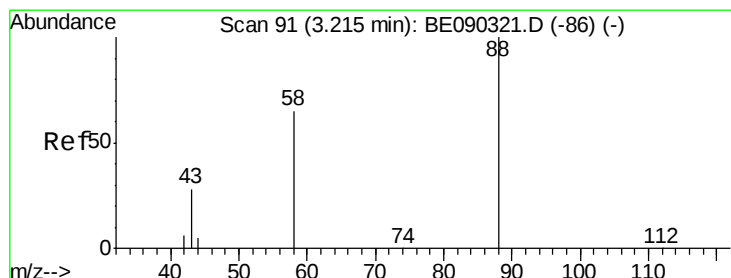
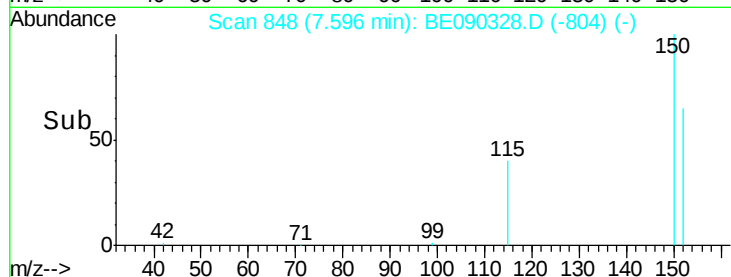
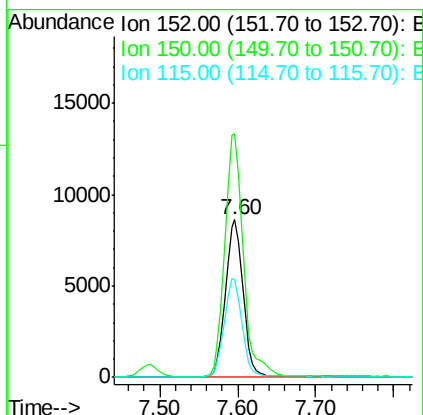
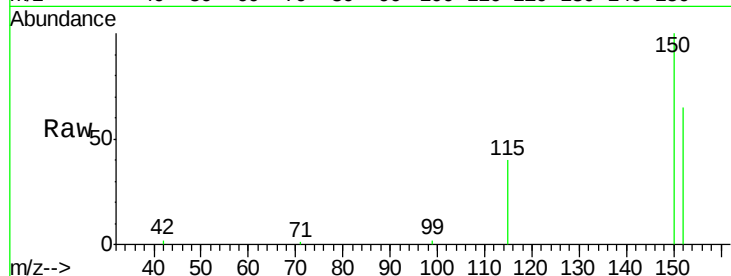




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.60 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: BE090328.D
 Acq: 4 Aug 2015 2:38

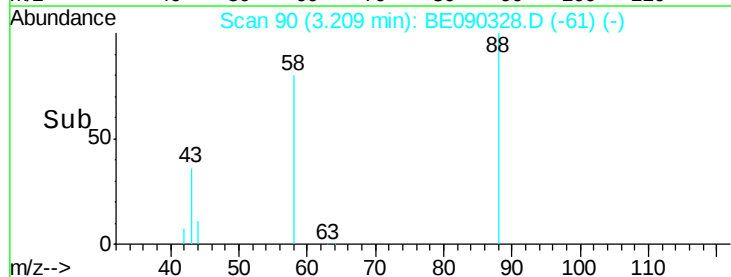
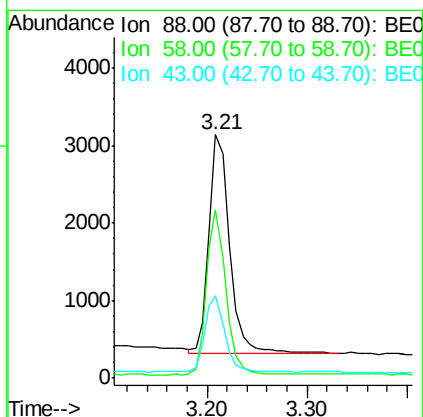
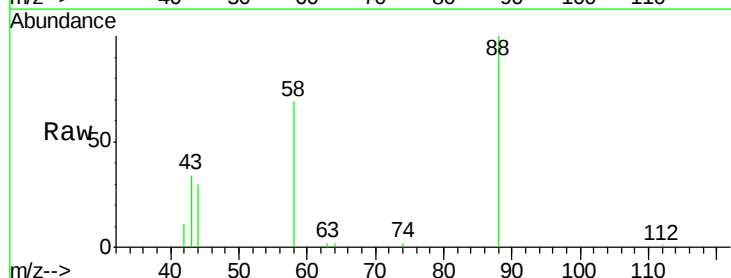
Instrument :
 BNA_E
 ClientSampleId :
 PB84793BSD

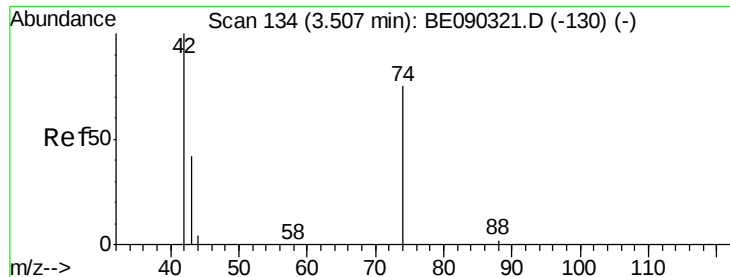
Tot Ion:152 Resp: 13455
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.2 186.2
 115 62.3 50.4 75.6



#2
 1,4-Dioxane
 Concen: 2.49 ng
 RT: 3.21 min Scan# 90
 Delta R.T. -0.01 min
 Lab File: BE090328.D
 Acq: 4 Aug 2015 2:38

Tgt Ion: 88 Resp: 4072
 Ion Ratio Lower Upper
 88 100
 58 70.0 50.2 75.2
 43 33.3 25.0 37.6



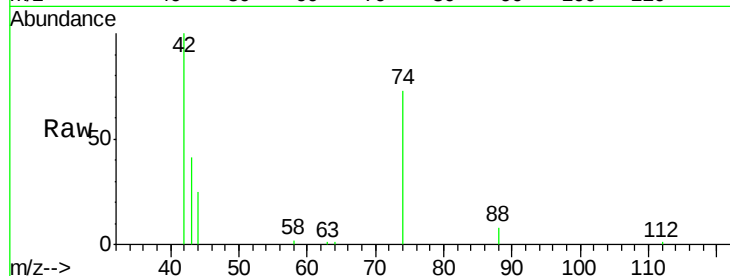


#3

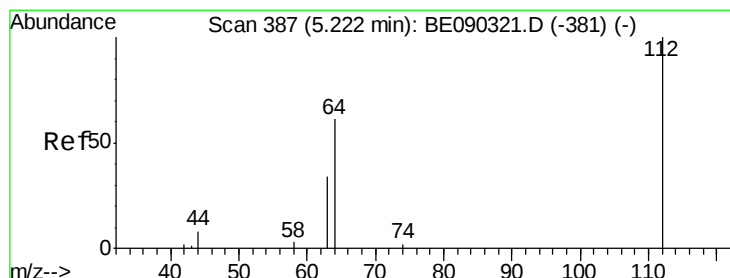
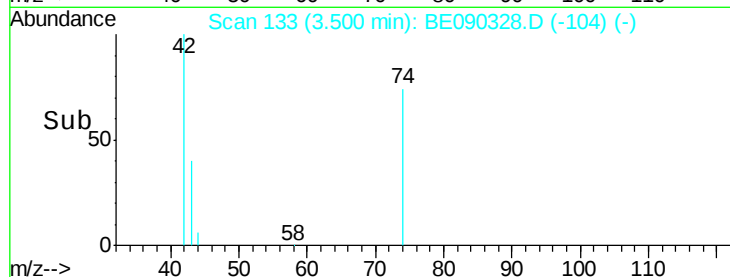
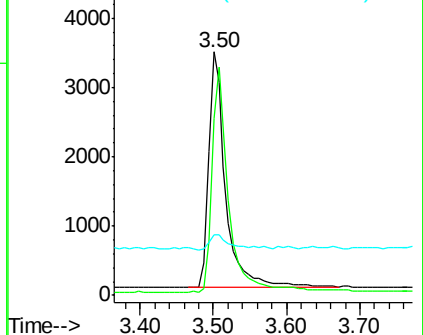
n-Nitrosodimethylamine
 Concen: 2.44 ng
 RT: 3.50 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: BE090328.D
 Acq: 4 Aug 2015 2:38

Instrument :
 BNA_E
 ClientSampleId :
 PB84793BSD

Tot Ion: 42 Resp: 5548
 Ion Ratio Lower Upper
 42 100
 74 94.9 73.2 109.8
 44 7.1 3.8 5.6#



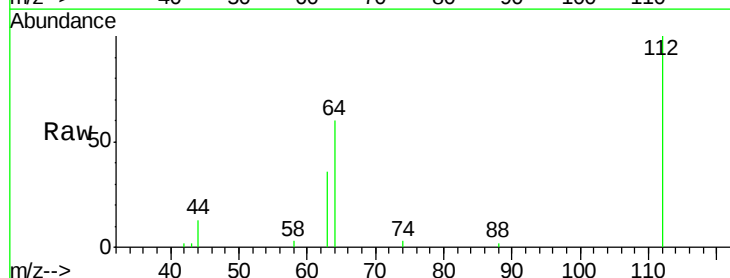
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



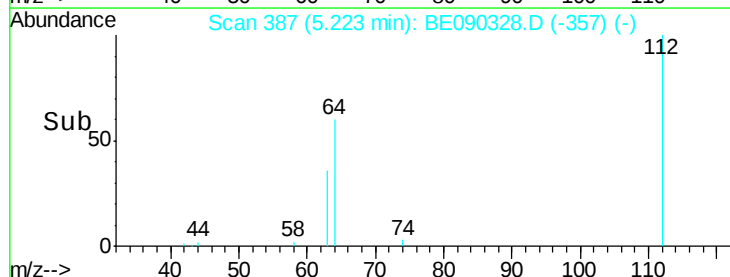
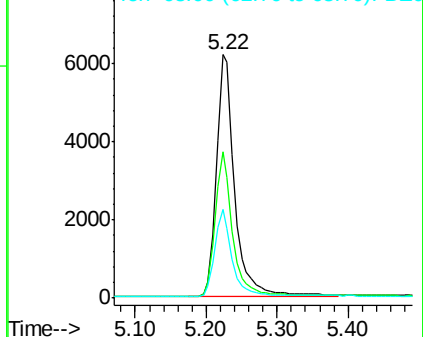
#4

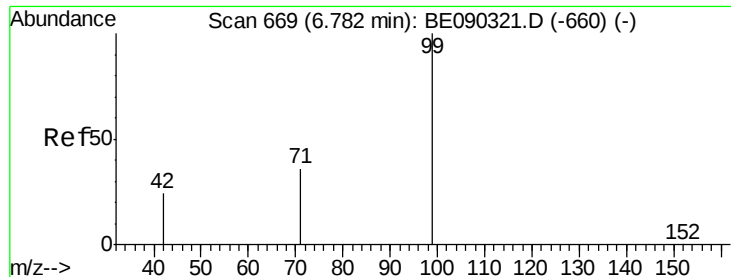
2-Fluorophenol
 Concen: 4.31 ng
 RT: 5.22 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: BE090328.D
 Acq: 4 Aug 2015 2:38

Tgt Ion: 112 Resp: 11086
 Ion Ratio Lower Upper
 112 100
 64 57.2 49.0 73.4
 63 34.1 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: 4.57 ng

RT: 6.78 min Scan# 668

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampled :

PB84793BSD

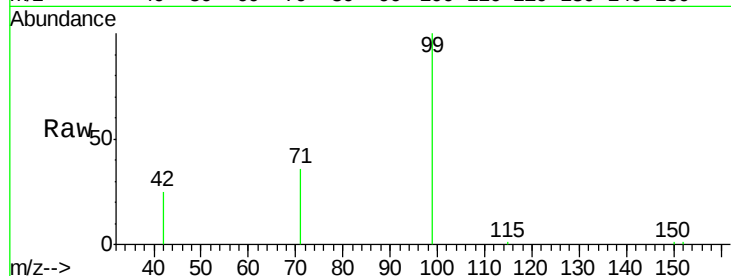
Tot Ion: 99 Resp: 14448

Ion Ratio Lower Upper

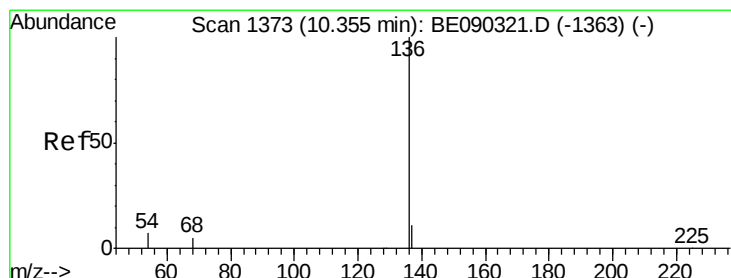
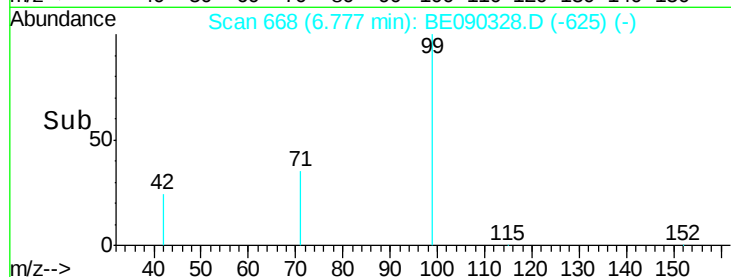
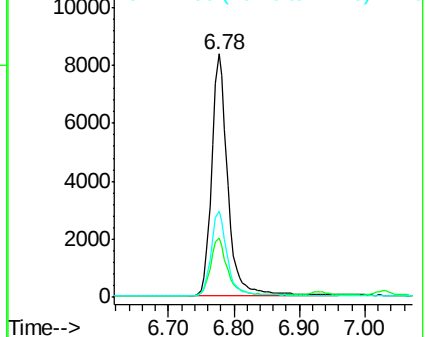
99 100

42 24.8 22.2 33.2

71 35.6 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# 1372

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Tgt Ion: 136 Resp: 59126

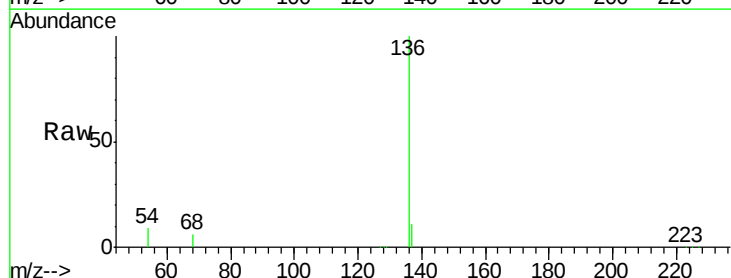
Ion Ratio Lower Upper

136 100

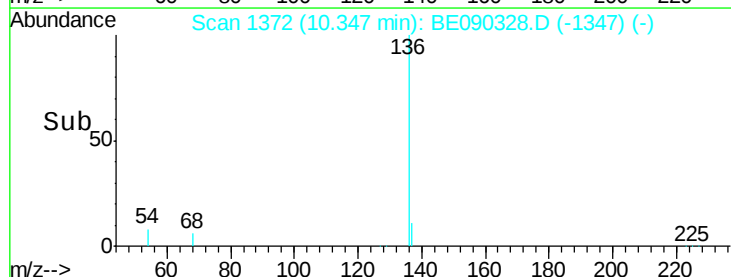
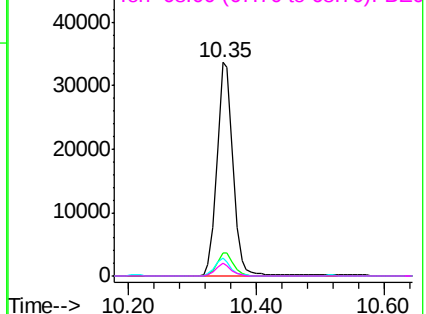
137 11.0 8.9 13.3

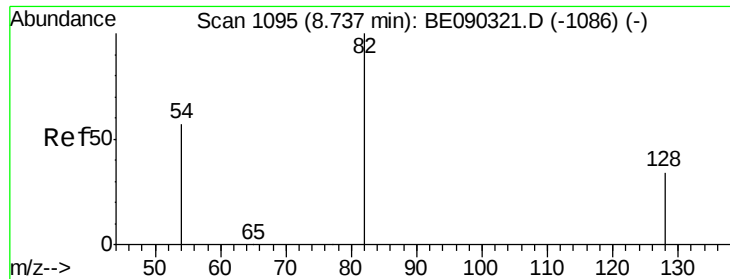
54 8.6 6.0 9.0

68 5.7 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: 2.64 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

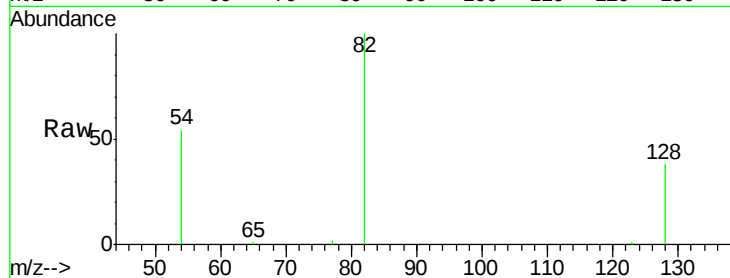
Tot Ion: 82 Resp: 9209

Ion Ratio Lower Upper

82 100

128 37.9 30.8 46.2

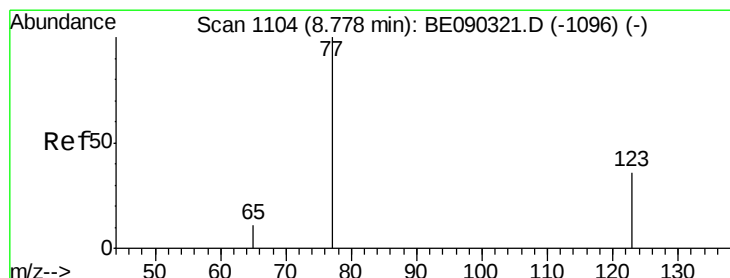
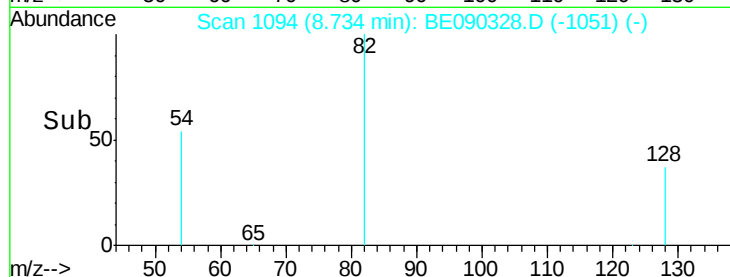
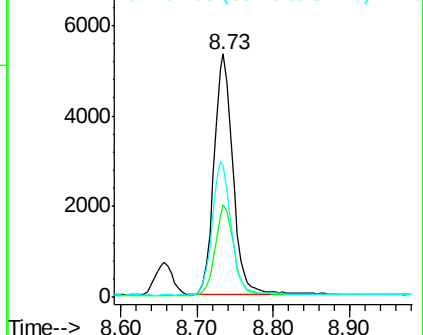
54 54.3 47.5 71.3



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



#8

Nitrobenzene

Concen: 2.63 ng

RT: 8.78 min Scan# 1103

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

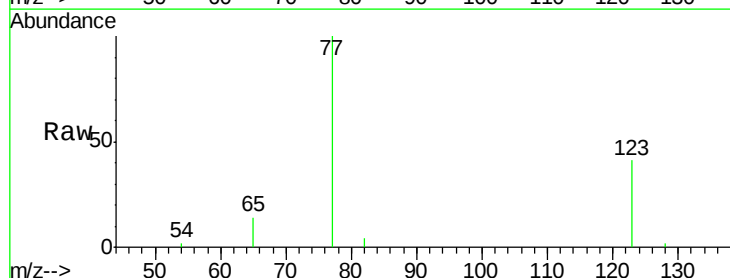
Tgt Ion: 77 Resp: 9484

Ion Ratio Lower Upper

77 100

123 40.3 29.6 44.4

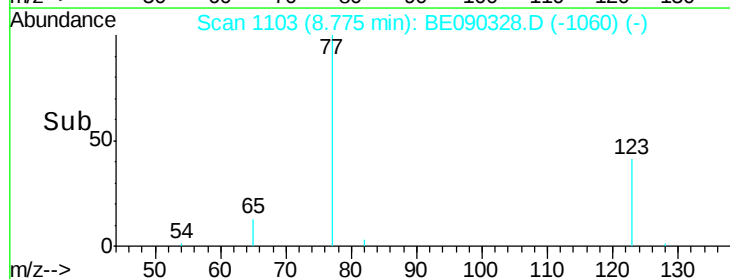
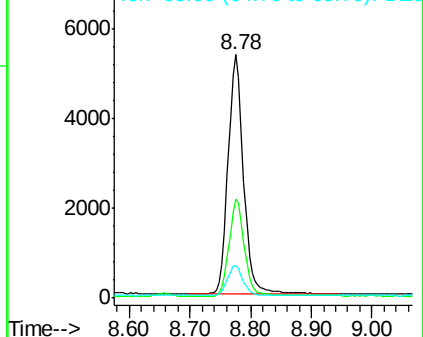
65 12.9 10.4 15.6



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 2.38 ng

RT: 10.40 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

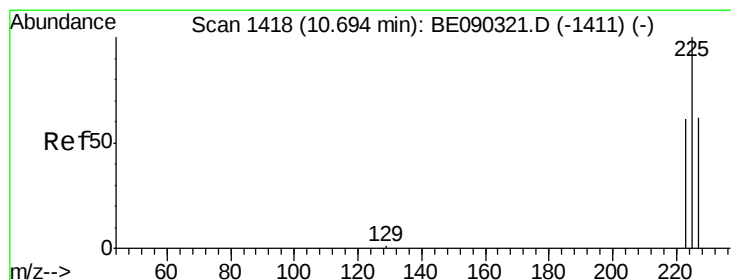
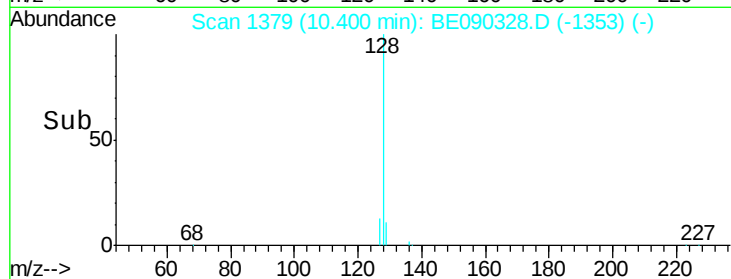
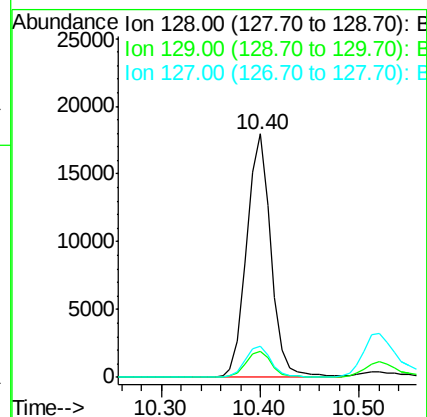
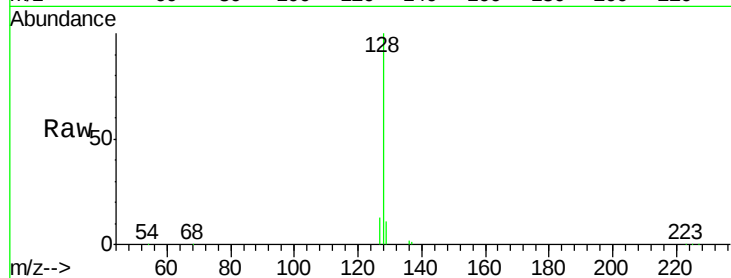
Tot Ion:128 Resp: 30211

Ion Ratio Lower Upper

128 100

129 10.9 10.1 15.1

127 13.0 11.3 16.9



#10

Hexachlorobutadiene

Concen: 2.31 ng

RT: 10.69 min Scan# 1418

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

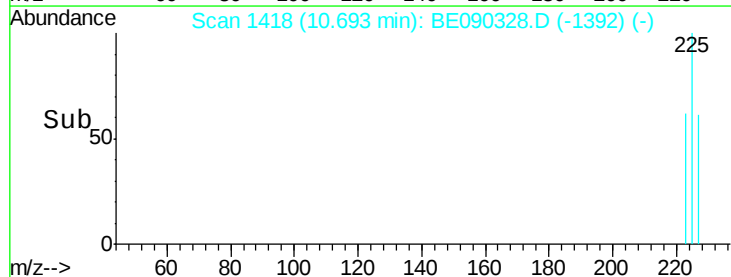
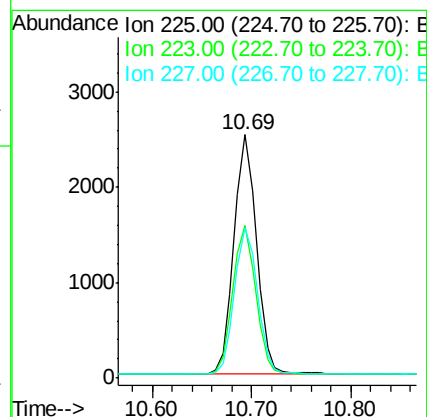
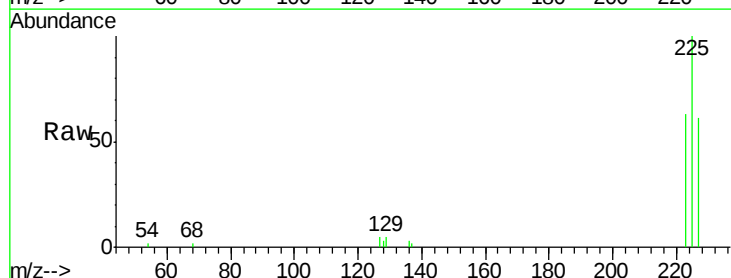
Tgt Ion:225 Resp: 3932

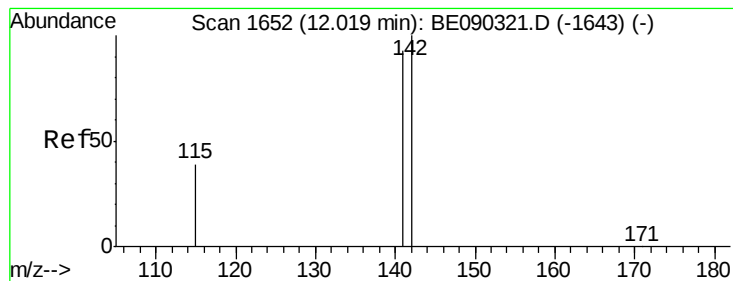
Ion Ratio Lower Upper

225 100

223 63.3 50.4 75.6

227 62.7 49.6 74.4





#11

2-Methylnaphthalene

Concen: 2.55 ng

RT: 12.01 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

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PB84793BSD

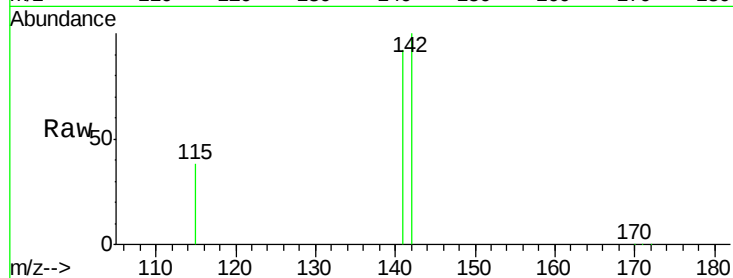
Tot Ion:142 Resp: 20013

Ion Ratio Lower Upper

142 100

141 91.9 74.6 112.0

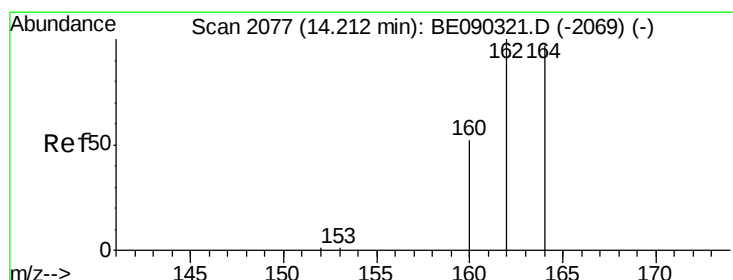
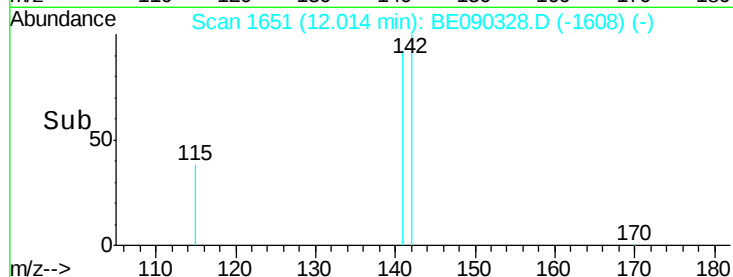
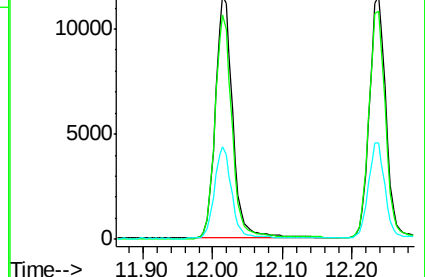
115 38.2 32.6 49.0



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: 14.21 min Scan# 2076

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

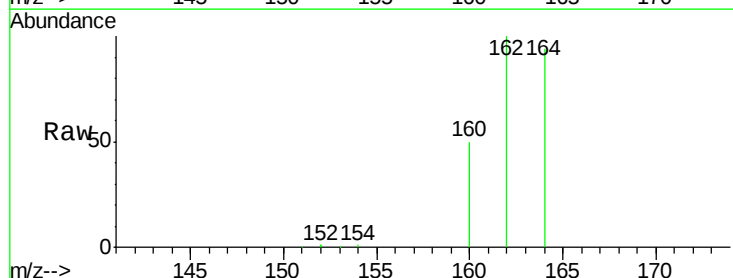
Tgt Ion:164 Resp: 30529

Ion Ratio Lower Upper

164 100

162 106.3 82.7 124.1

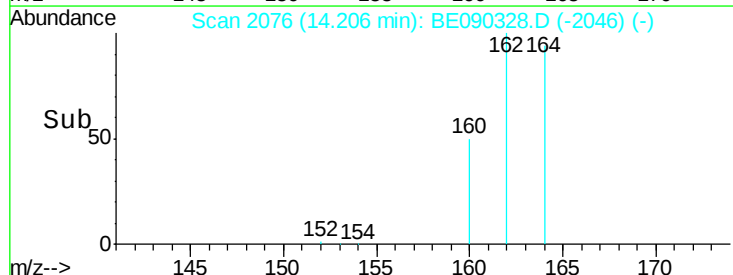
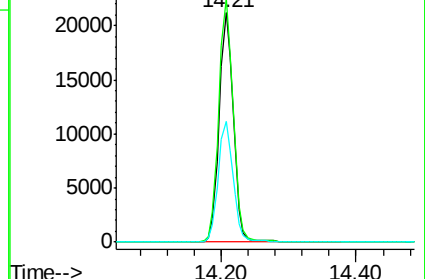
160 52.7 43.0 64.6

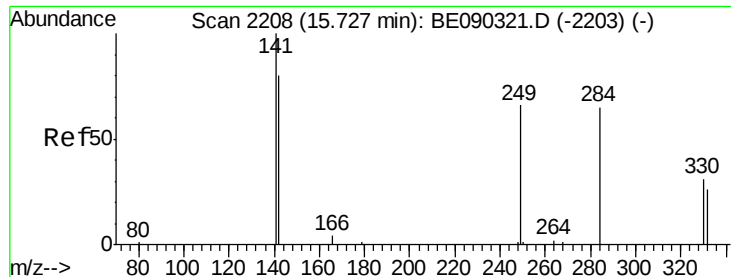


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

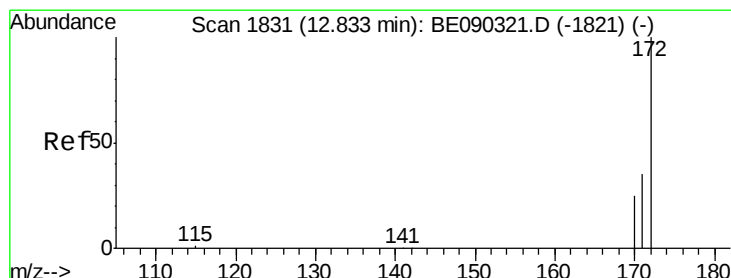
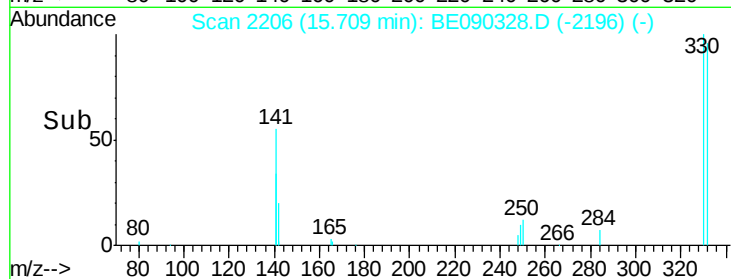
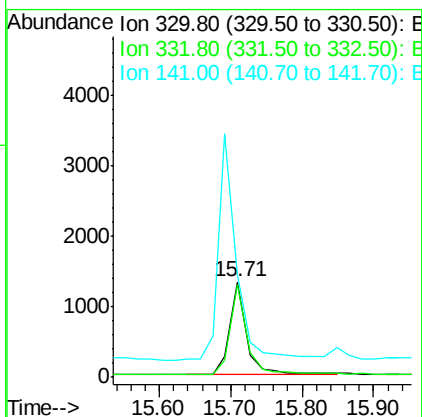
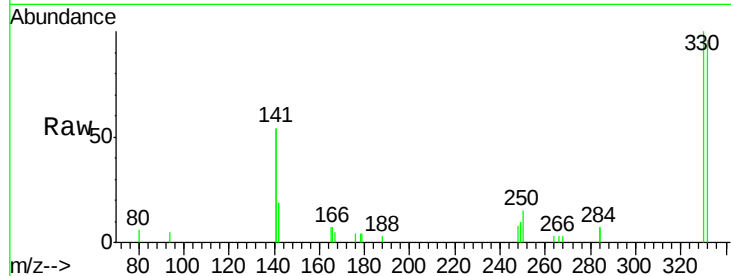




#13
 2,4,6-Tribromophenol
 Concen: 4.30 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090328.D
 Acq: 4 Aug 2015 2:38

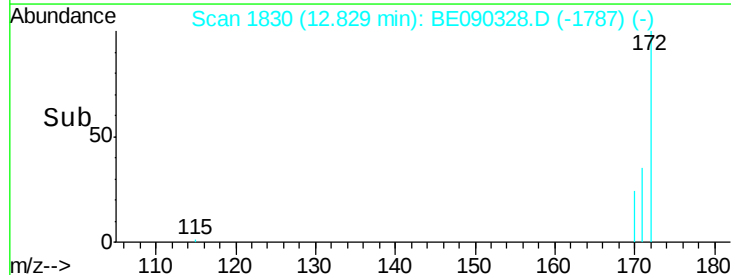
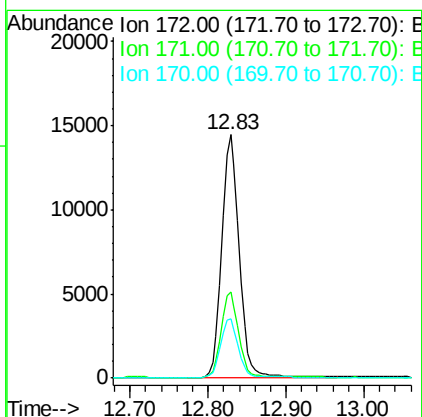
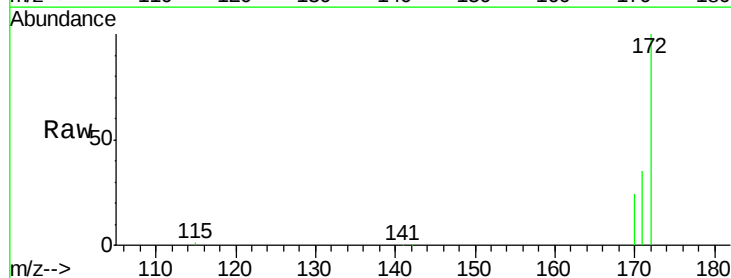
Instrument :
 BNA_E
 ClientSampleId :
 PB84793BSD

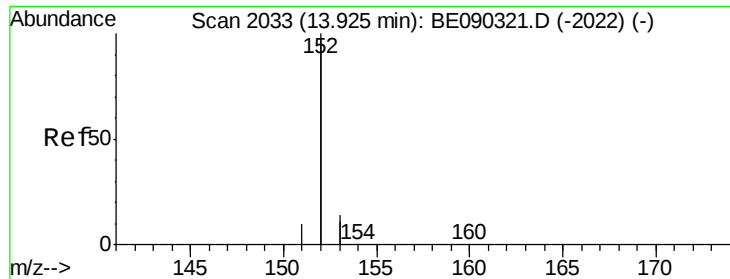
Tot Ion:330 Resp: 2126
 Ion Ratio Lower Upper
 330 100
 332 97.4 79.4 119.0
 141 259.9 245.9 368.9



#14
 2-Fluorobiphenyl
 Concen: 2.52 ng
 RT: 12.83 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BE090328.D
 Acq: 4 Aug 2015 2:38

Tgt Ion:172 Resp: 22324
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.5 44.3
 170 24.1 21.3 31.9





#15

Acenaphthylene

Concen: 2.42 ng

RT: 13.92 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

Tot Ion:152 Resp: 128950

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

153 13.1 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

100000

80000

60000

40000

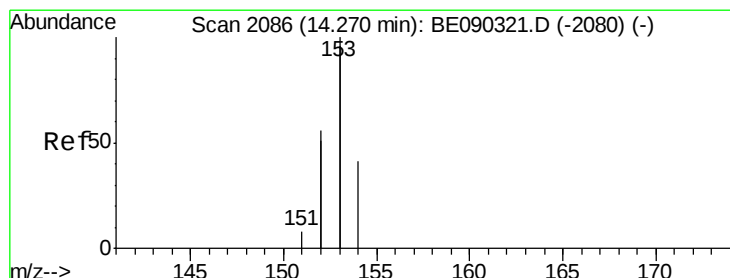
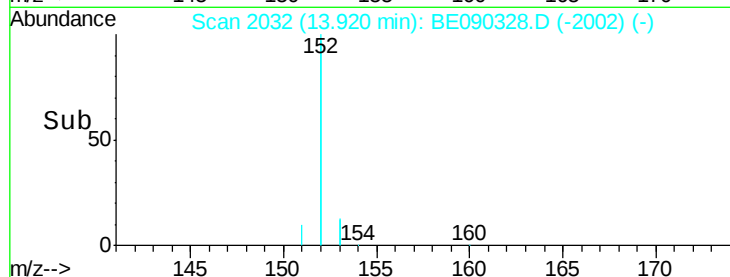
20000

0

13.92

Time-->

13.80 14.00



#16

Acenaphthene

Concen: 2.44 ng

RT: 14.27 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

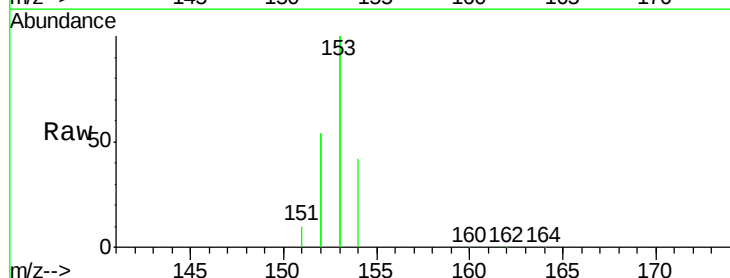
Tgt Ion:154 Resp: 18829

Ion Ratio Lower Upper

154 100

153 475.5 378.0 567.0

152 251.7 212.7 319.1



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

80000

60000

40000

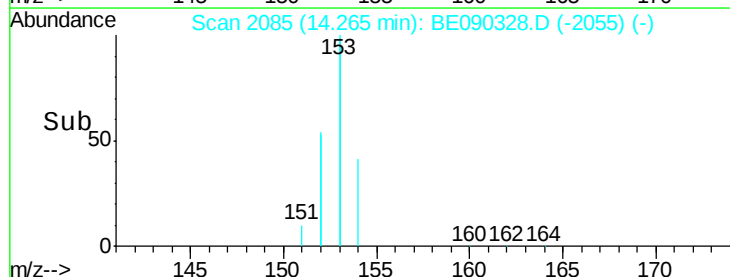
20000

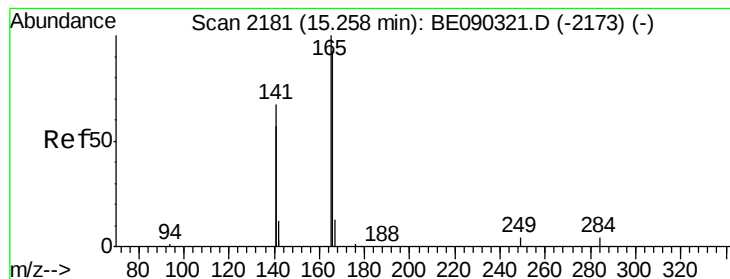
0

14.27

Time-->

14.20 14.25 14.30





#17

Fluorene

Concen: 2.58 ng

RT: 15.26 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

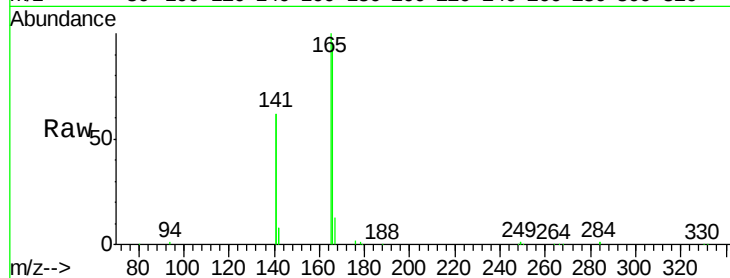
Tot Ion:166 Resp: 24129

Ion Ratio Lower Upper

166 100

165 102.3 82.6 123.8

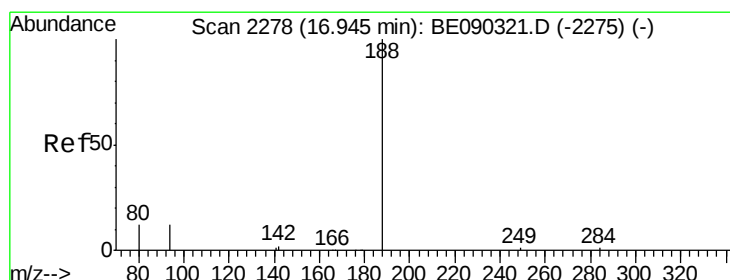
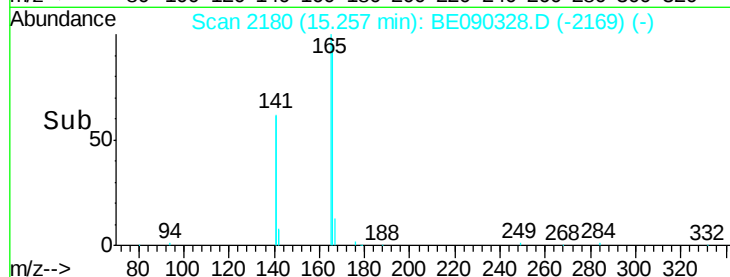
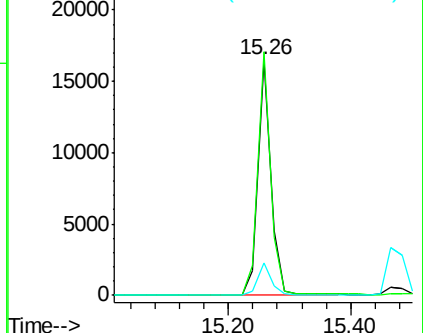
167 13.7 11.8 17.8



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: 16.94 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

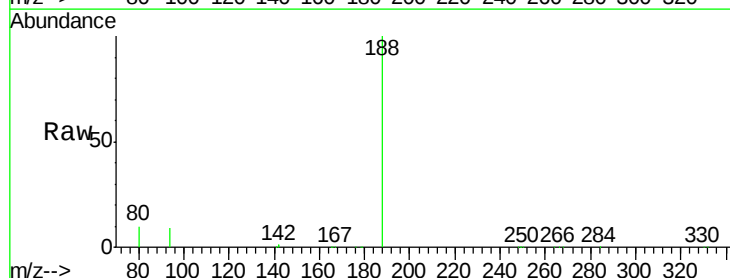
Tgt Ion:188 Resp: 66824

Ion Ratio Lower Upper

188 100

94 9.1 9.5 14.3#

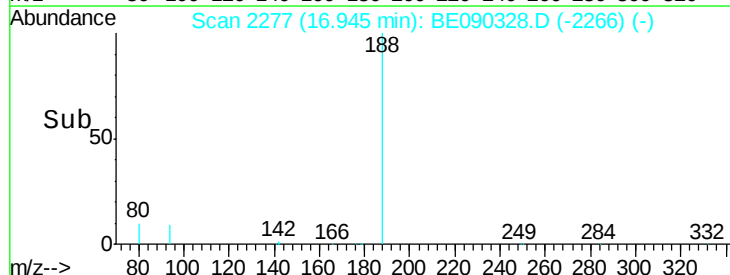
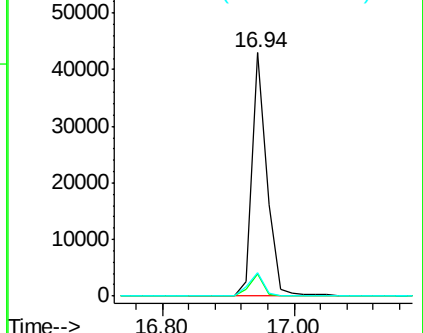
80 9.7 10.0 15.0#

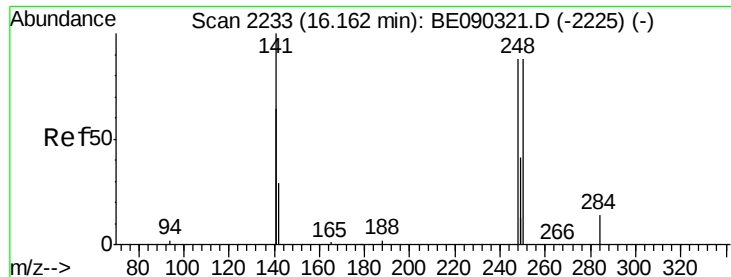


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

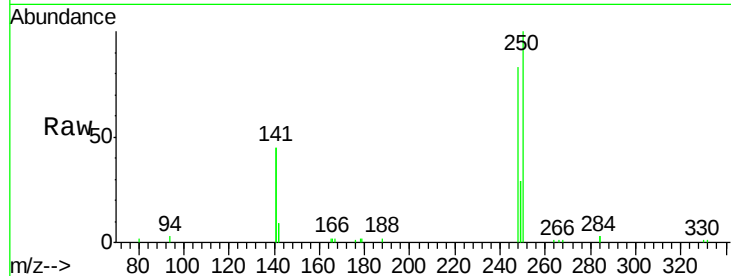




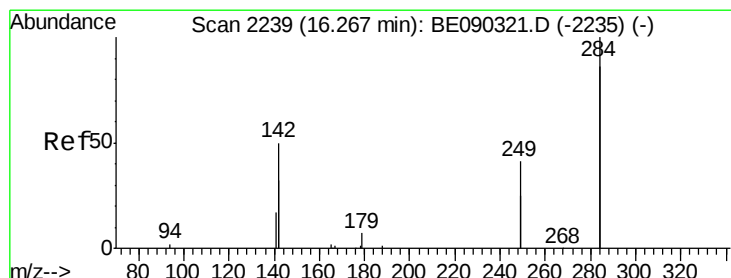
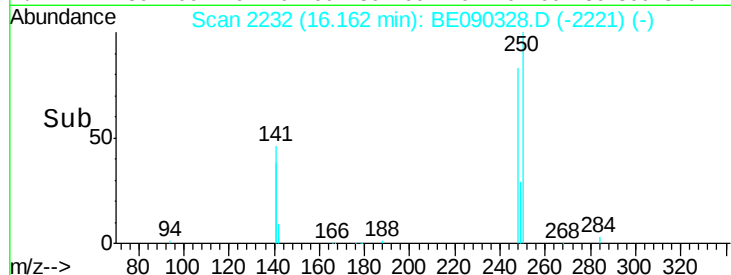
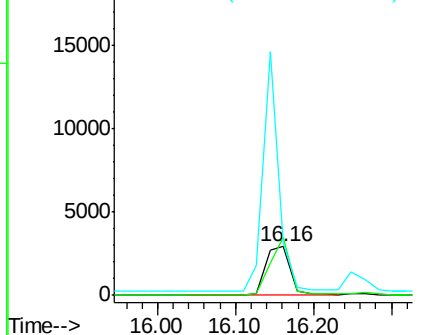
#19
4-Bromophenyl-phenylether
Concen: 2.44 ng
RT: 16.16 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BE090328.D
Acq: 4 Aug 2015 2:38

Instrument :
BNA_E
ClientSampleId :
PB84793BSD

Tot Ion:248 Resp: 6118
Ion Ratio Lower Upper
248 100
250 98.1 74.0 111.0
141 328.7 258.9 388.3

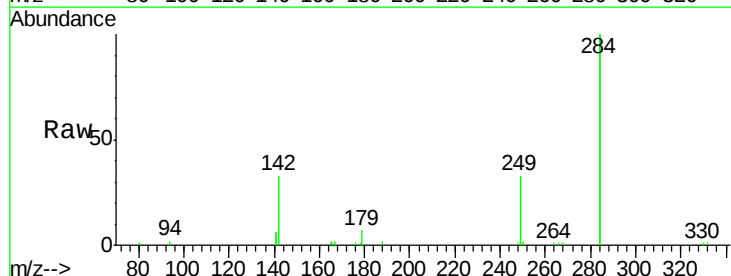


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

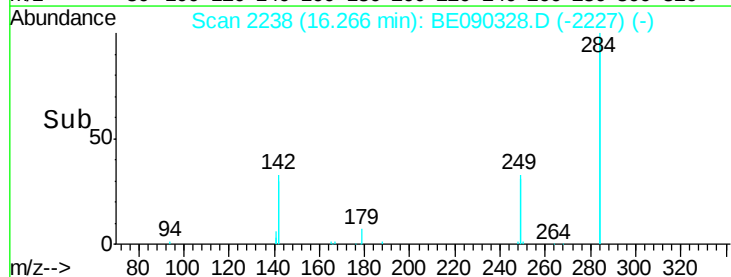
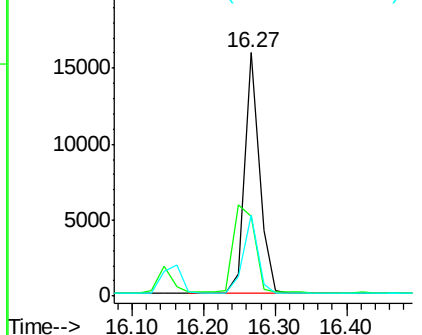


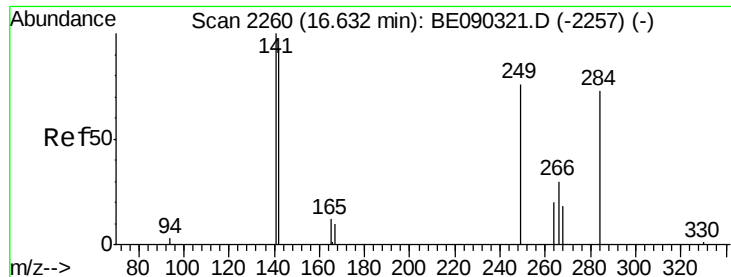
#20
Hexachlorobenzene
Concen: 2.37 ng
RT: 16.27 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BE090328.D
Acq: 4 Aug 2015 2:38

Tgt Ion:284 Resp: 22482
Ion Ratio Lower Upper
284 100
142 52.0 44.2 66.4
249 32.0 26.4 39.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 4.92 ng

RT: 16.61 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

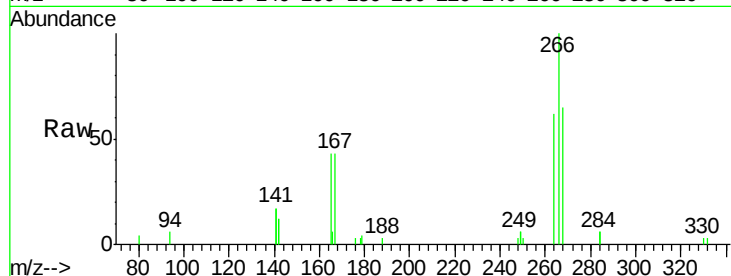
Tot Ion:266 Resp: 3202

Ion Ratio Lower Upper

266 100

268 64.6 66.2 99.2#

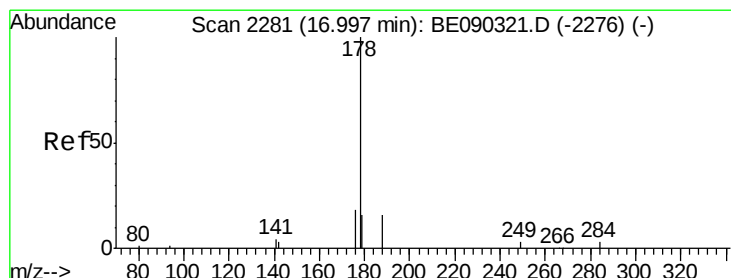
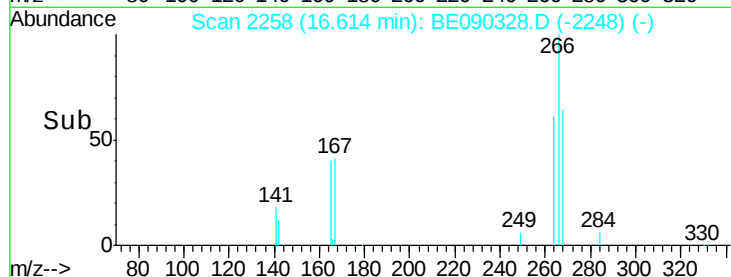
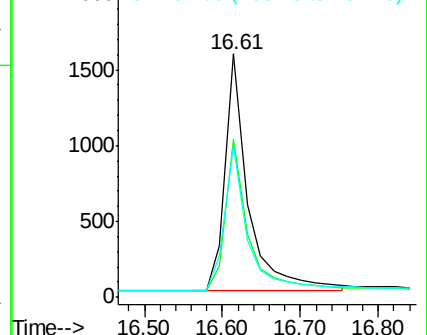
264 62.3 69.1 103.7#



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: 2.36 ng

RT: 17.00 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

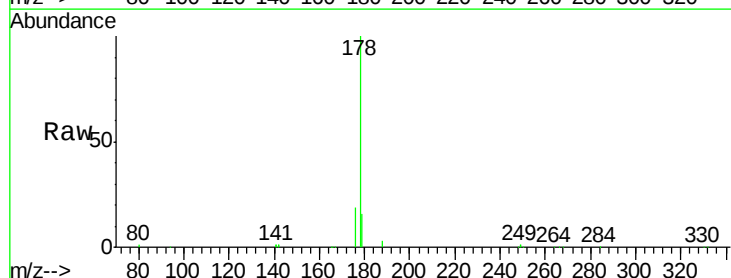
Tgt Ion:178 Resp: 35845

Ion Ratio Lower Upper

178 100

176 19.8 15.5 23.3

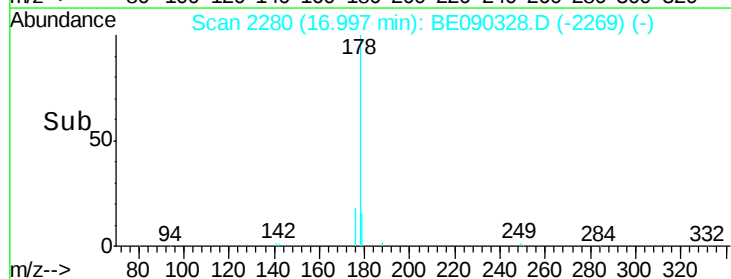
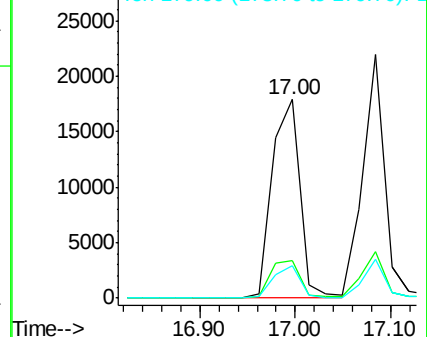
179 15.5 12.6 18.8

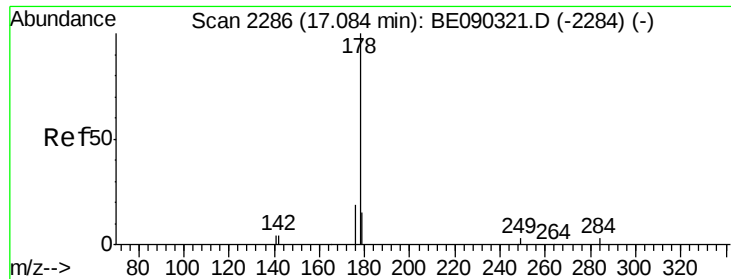


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 2.56 ng

RT: 17.08 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

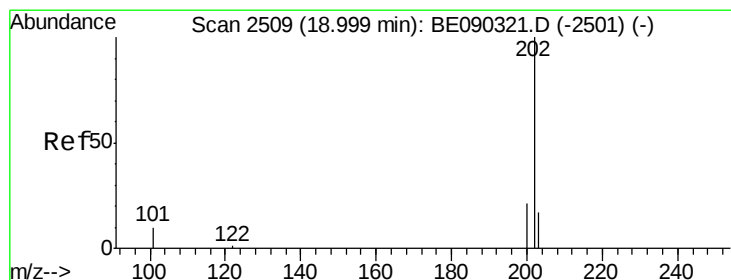
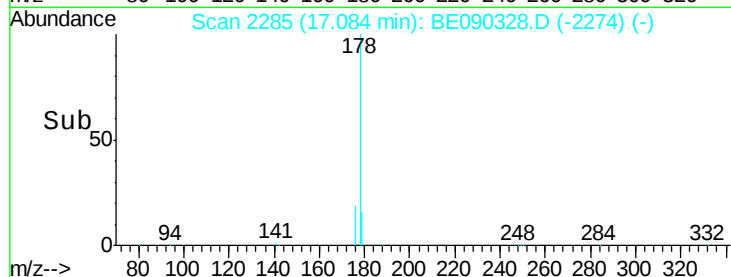
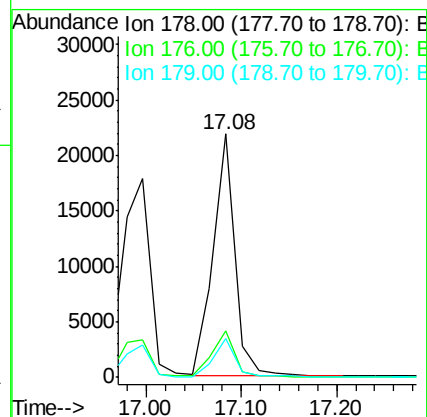
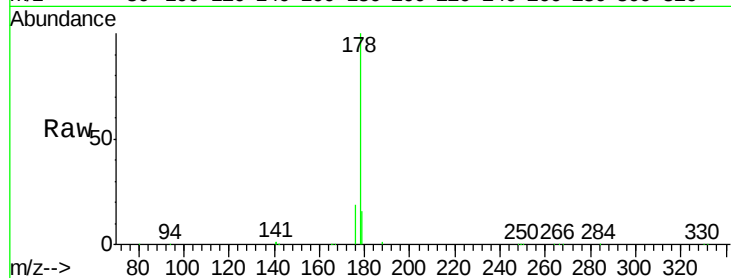
Tot Ion:178 Resp: 34765

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

179 15.7 12.1 18.1



#24

Fluoranthene

Concen: 2.49 ng

RT: 18.99 min Scan# 2507

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

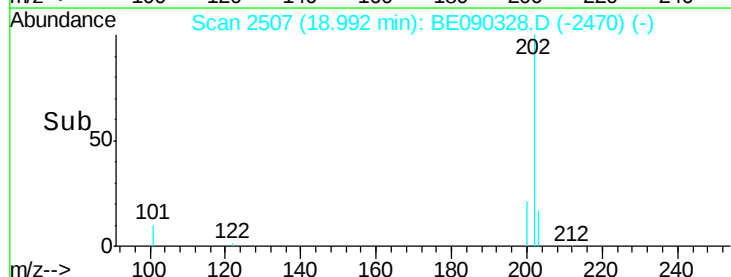
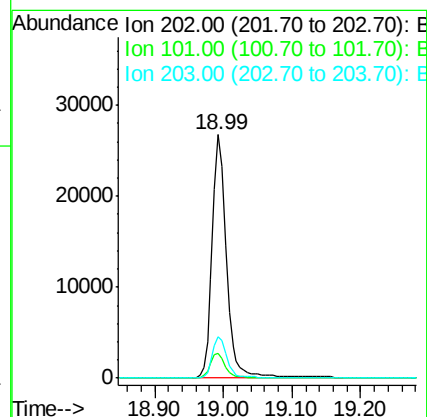
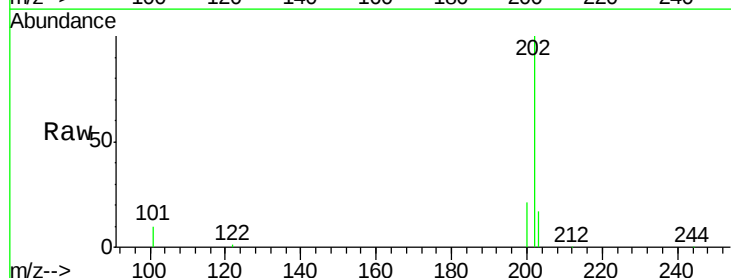
Tgt Ion:202 Resp: 38110

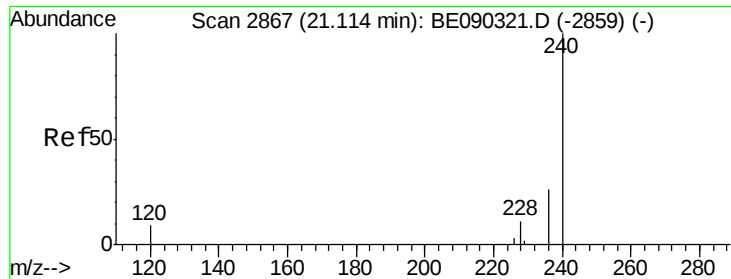
Ion Ratio Lower Upper

202 100

101 10.4 8.3 12.5

203 17.0 13.8 20.8





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.11 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

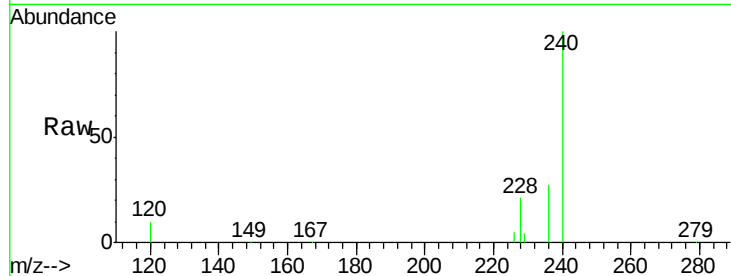
Tot Ion:240 Resp: 61845

Ion Ratio Lower Upper

240 100

120 10.1 7.5 11.3

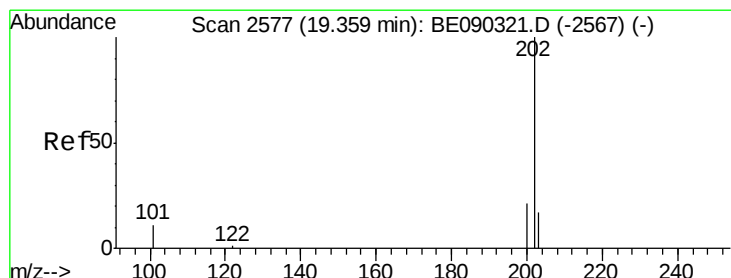
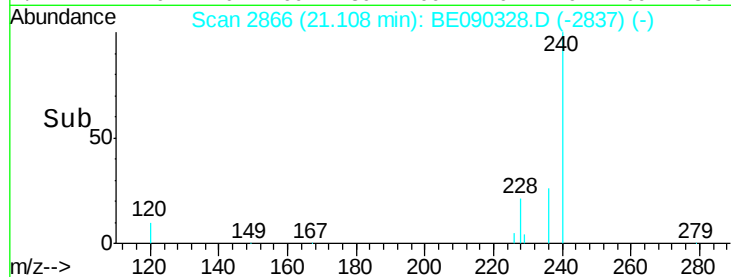
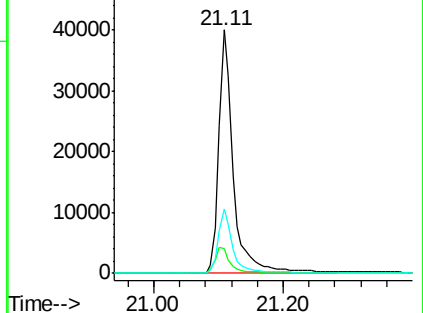
236 26.6 21.0 31.4



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: 2.42 ng

RT: 19.35 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

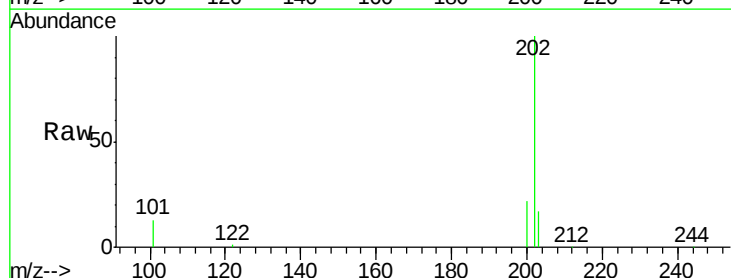
Tgt Ion:202 Resp: 40439

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

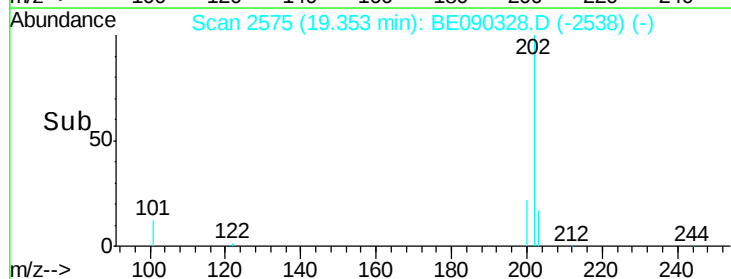
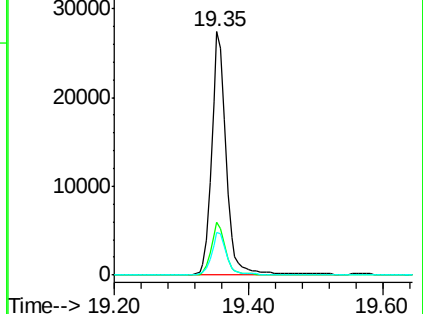
203 17.9 13.8 20.6

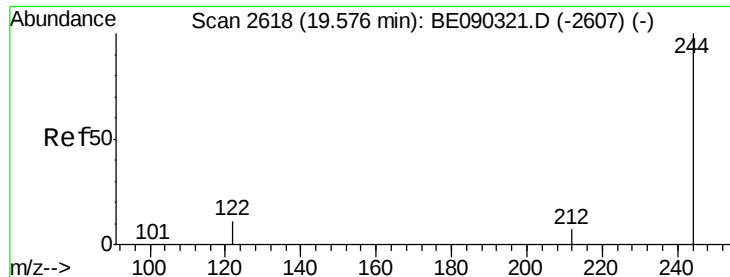


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 2.36 ng

RT: 19.57 min Scan# 2616

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

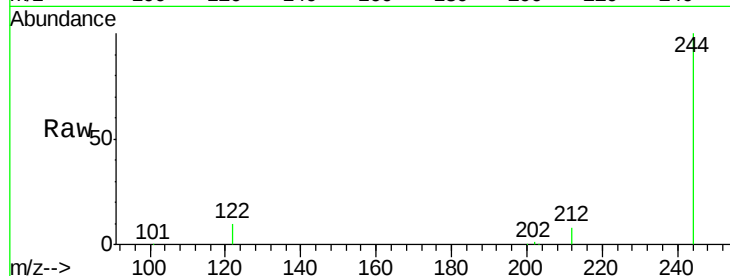
Tot Ion:244 Resp: 27354

Ion Ratio Lower Upper

244 100

212 7.7 7.4 11.2

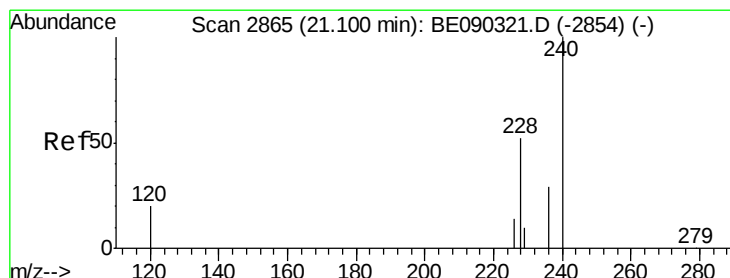
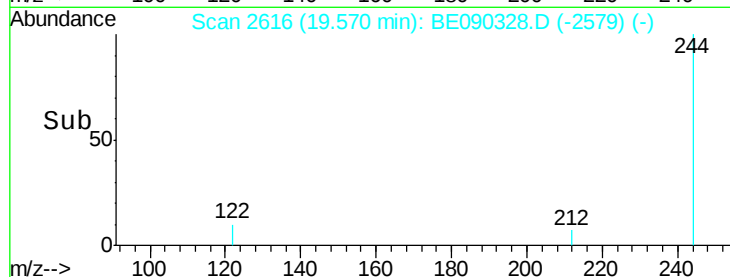
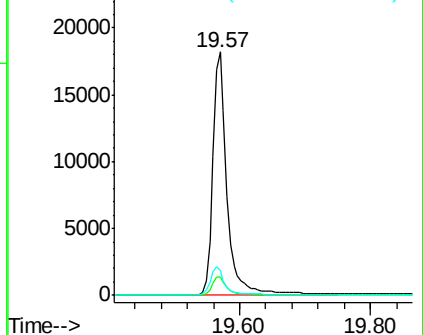
122 10.3 10.4 15.6#



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: 2.62 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

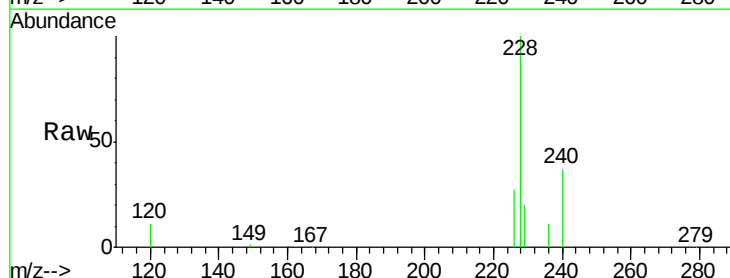
Tgt Ion:228 Resp: 30846

Ion Ratio Lower Upper

228 100

226 27.4 23.0 34.4

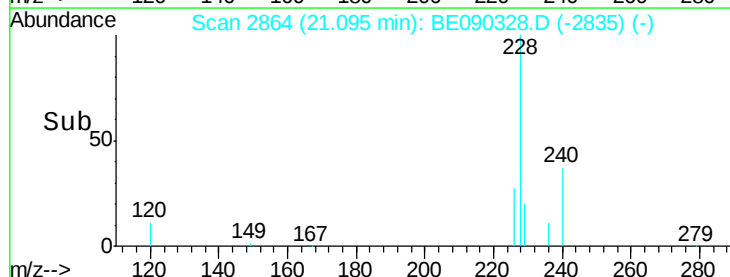
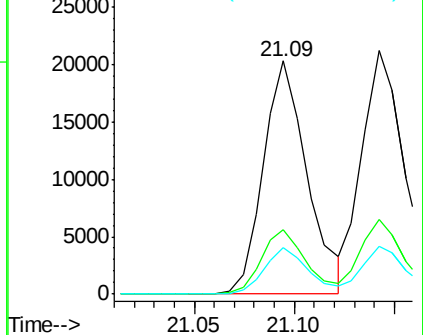
229 20.0 17.4 26.2

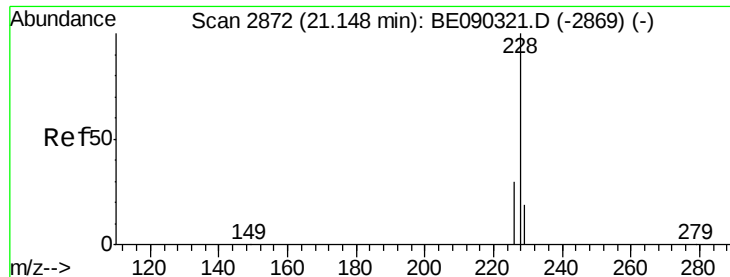


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 2.53 ng

RT: 21.14 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

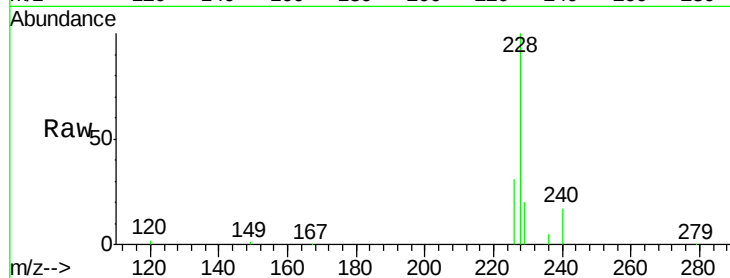
Tot Ion:228 Resp: 35847

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

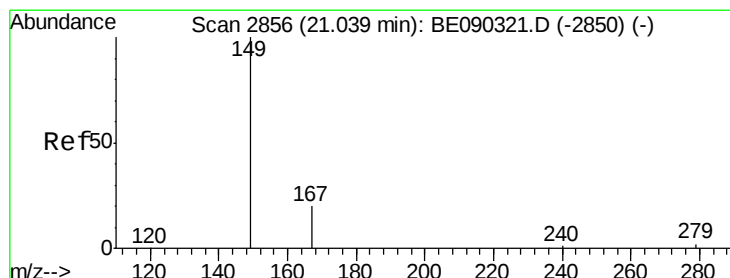
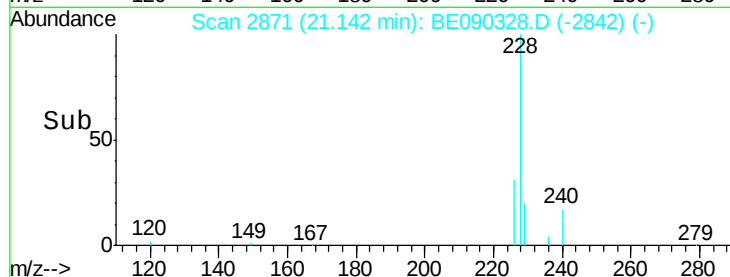
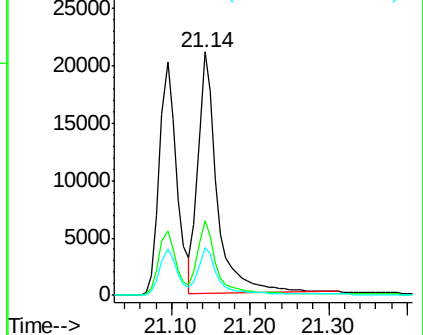
229 19.7 16.6 25.0



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 2.60 ng

RT: 21.04 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

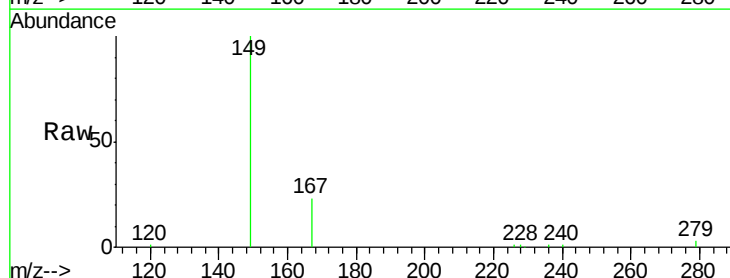
Tgt Ion:149 Resp: 11571

Ion Ratio Lower Upper

149 100

167 21.5 16.6 24.8

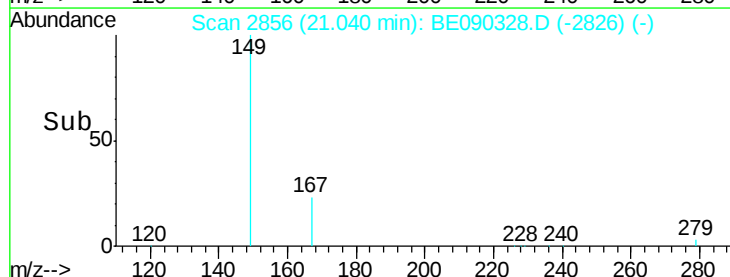
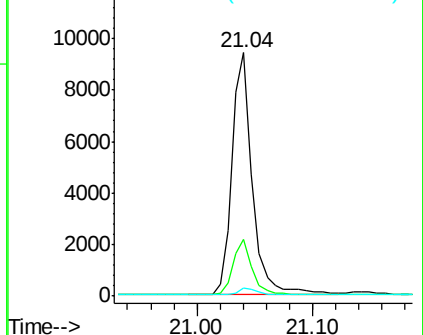
279 2.9 2.7 4.1

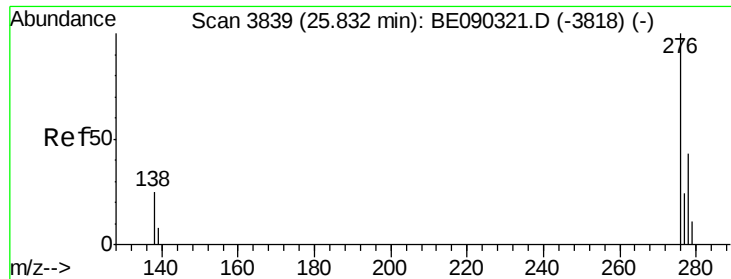


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

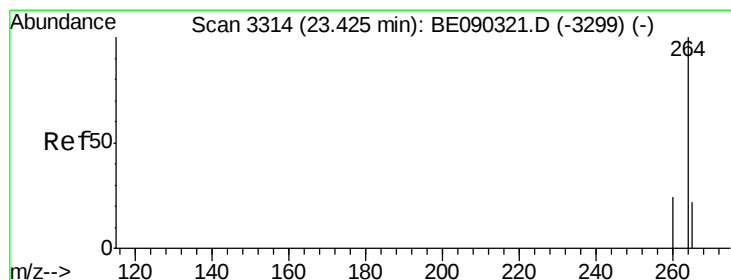
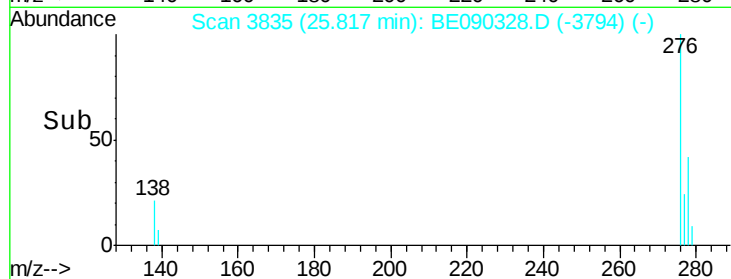
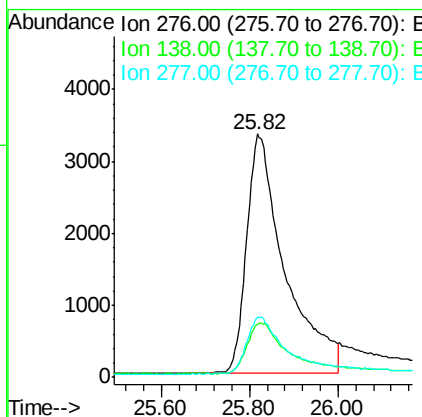
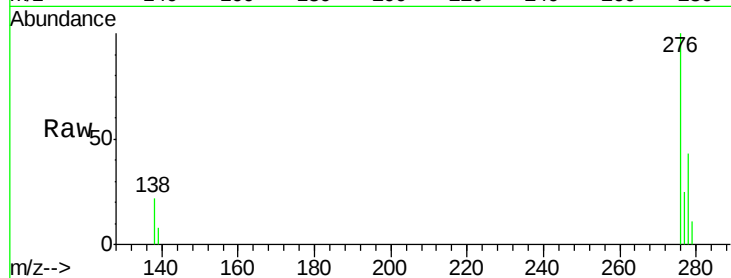




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 2.70 ng
 RT: 25.82 min Scan# 3835
 Delta R.T. -0.01 min
 Lab File: BE090328.D
 Acq: 4 Aug 2015 2:38

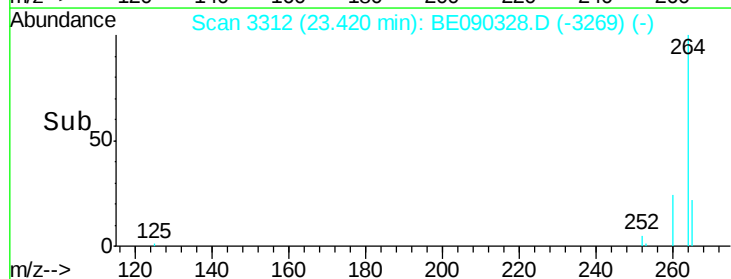
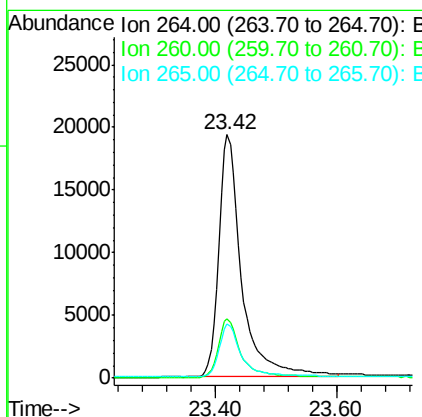
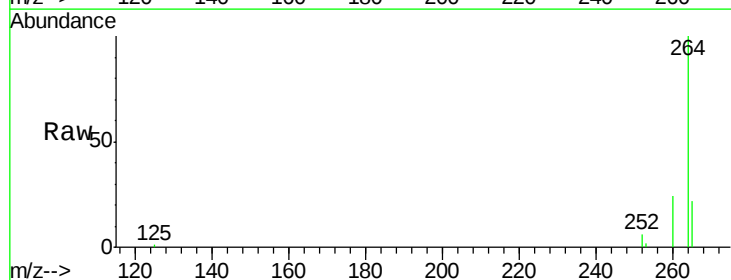
Instrument :
 BNA_E
 ClientSampleId :
 PB84793BSD

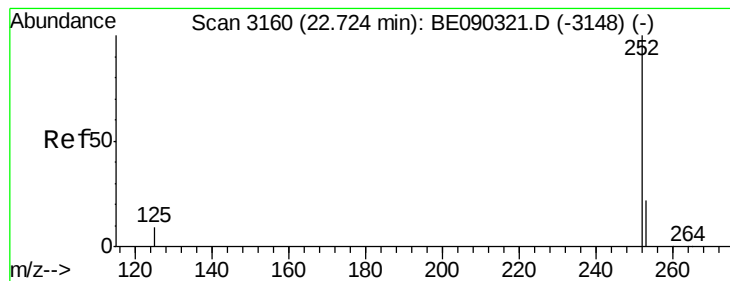
Tot Ion:276 Resp: 19901
 Ion Ratio Lower Upper
 276 100
 138 22.7 10.6 16.0#
 277 24.5 14.6 22.0#



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.42 min Scan# 3312
 Delta R.T. -0.01 min
 Lab File: BE090328.D
 Acq: 4 Aug 2015 2:38

Tgt Ion:264 Resp: 50947
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.1 30.1
 265 22.0 18.6 28.0





#33

Benzo(b)fluoranthene

Concen: 2.32 ng

RT: 22.71 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

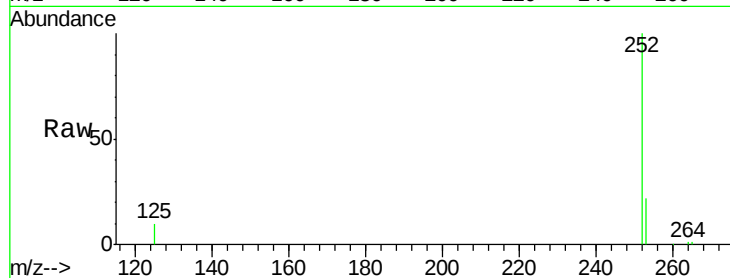
Tot Ion:252 Resp: 20888

Ion Ratio Lower Upper

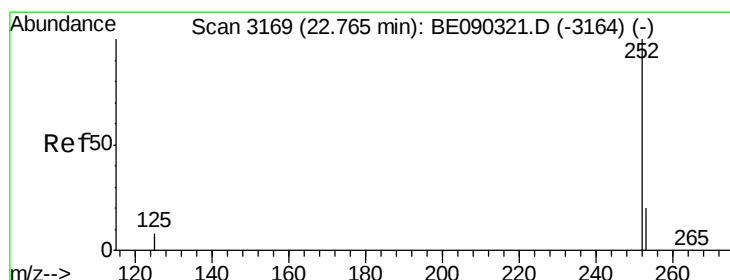
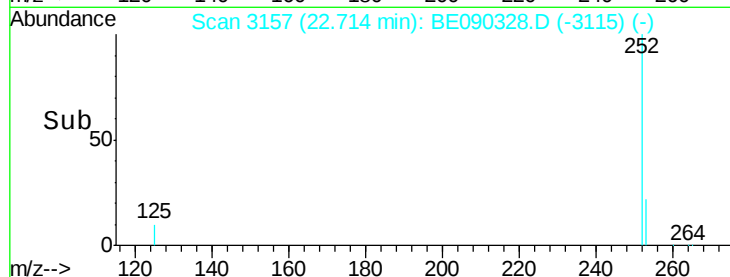
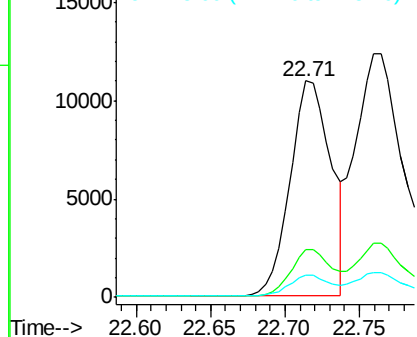
252 100

253 22.3 21.5 32.3

125 10.4 11.8 17.8#



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



#34

Benzo(k)fluoranthene

Concen: 2.40 ng

RT: 22.76 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

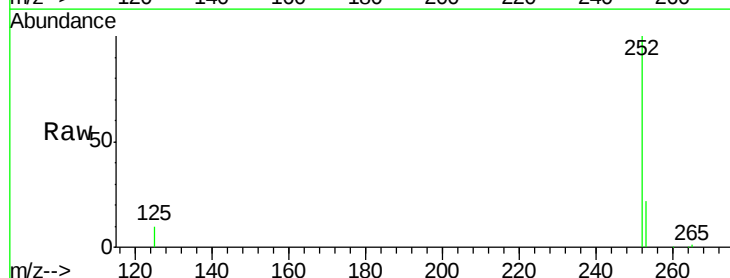
Tgt Ion:252 Resp: 33147

Ion Ratio Lower Upper

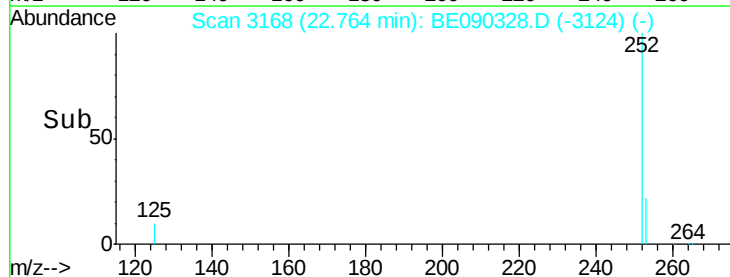
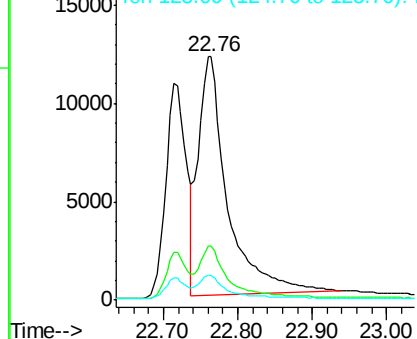
252 100

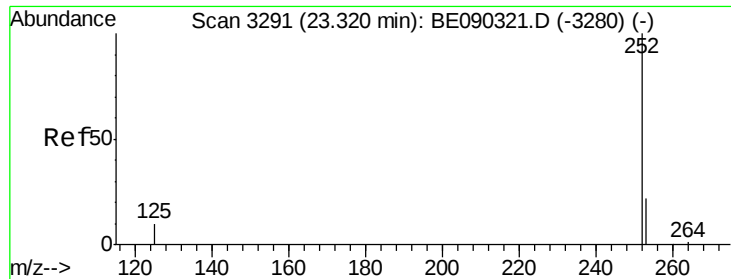
253 22.1 19.9 29.9

125 10.1 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: 2.45 ng

RT: 23.32 min Scan# 3289

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

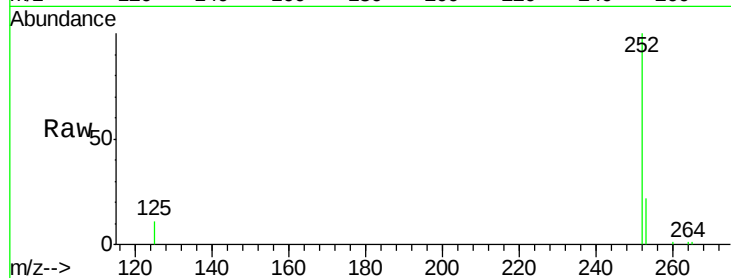
Tot Ion:252 Resp: 20782

Ion Ratio Lower Upper

252 100

253 21.7 23.0 34.4#

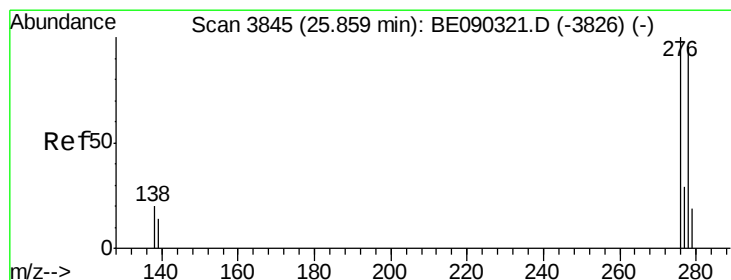
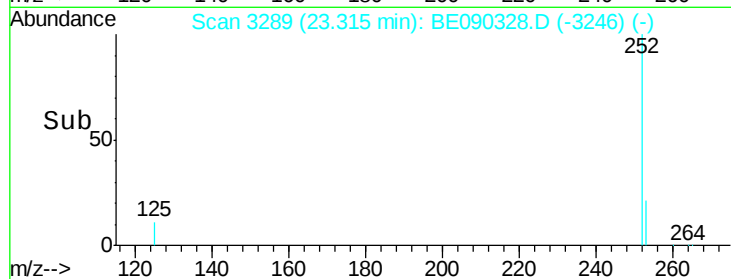
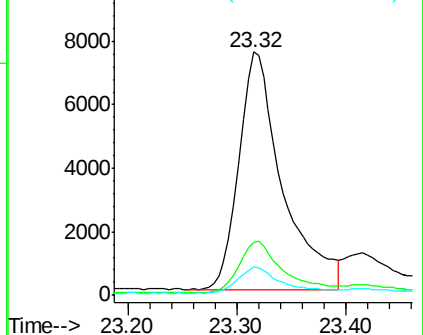
125 11.5 14.2 21.2#



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: 2.73 ng

RT: 25.84 min Scan# 3841

Delta R.T. -0.01 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

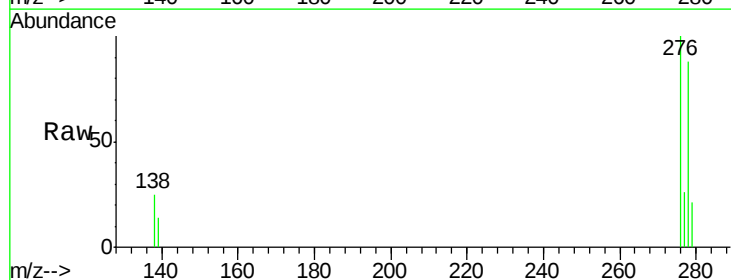
Tgt Ion:278 Resp: 13987

Ion Ratio Lower Upper

278 100

139 15.7 27.8 41.6#

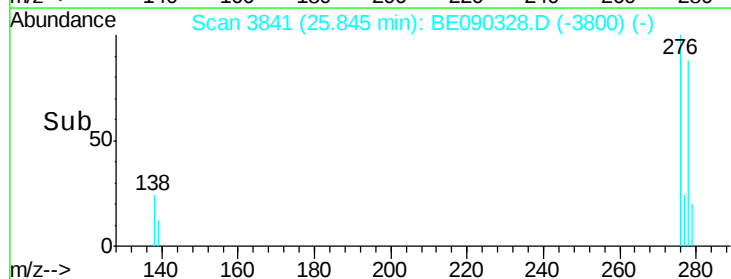
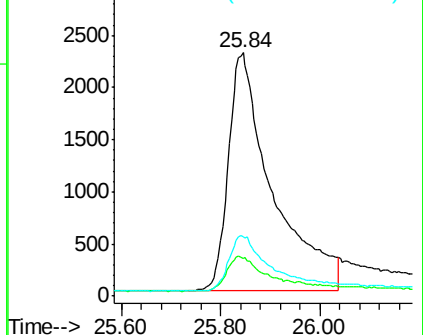
279 24.4 30.9 46.3#

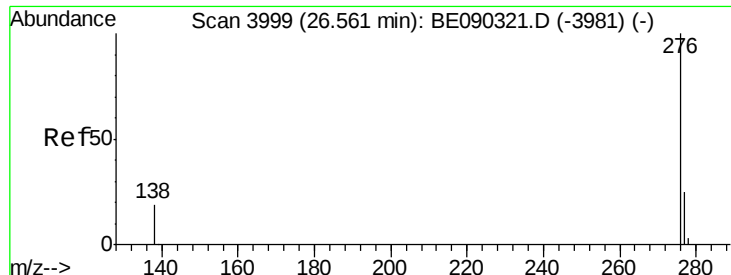


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(a,h,i)perylene

Concen: 2.43 ng

RT: 26.56 min Scan# 3997

Delta R.T. -0.00 min

Lab File: BE090328.D

Acq: 4 Aug 2015 2:38

Instrument :

BNA_E

ClientSampleId :

PB84793BSD

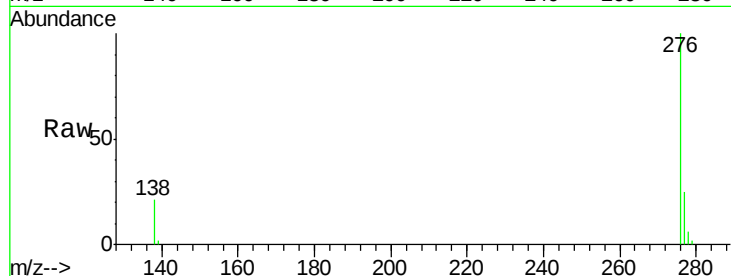
Tot Ion: 276 Resp: 21775

Ion Ratio Lower Upper

276 100

277 24.5 25.6 38.4#

138 20.9 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

