

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042916\
 Data File : BE091735.D
 Acq On : 29 Apr 2016 16:02
 Operator : UM/SJ
 Sample : PB90187BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90187BSD

Quant Time: Apr 29 23:06:51 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	34162	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	160284	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	94968	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	224235	5.00	ng	0.00
26) Chrysene-d12	21.31	240	248164	5.00	ng	0.00
35) Perylene-d12	23.75	264	249329	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	47092	5.61	ng	0.00
5) Phenol-d6	6.95	99	68442	6.15	ng	0.00
8) Nitrobenzene-d5	8.95	82	31943	3.09	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	22074	6.28	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	93575	3.48	ng	0.00
29) Terphenyl-d14	19.76	244	144968	3.75	ng	0.00

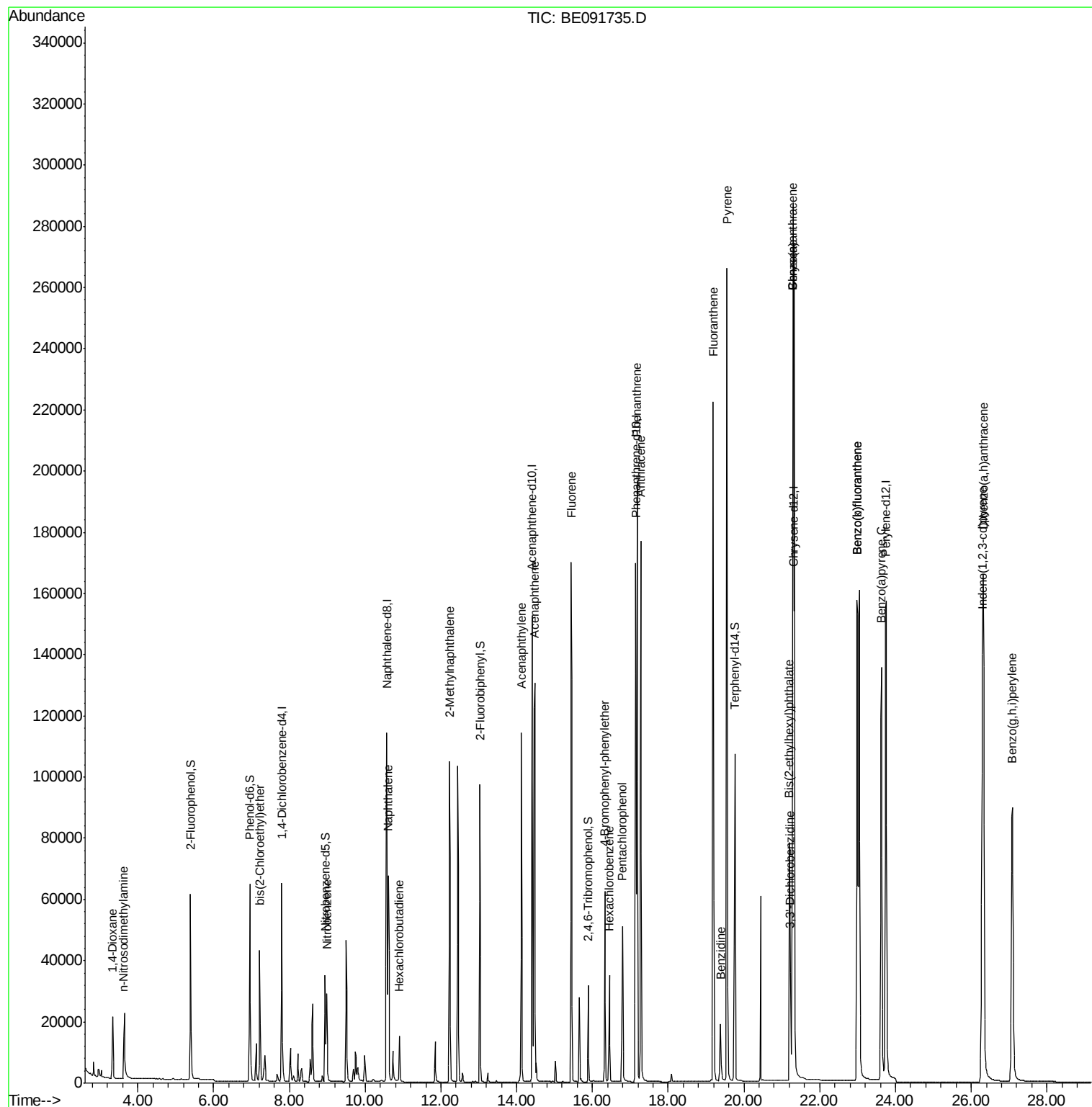
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	12594	3.13	ng	94
3) n-Nitrosodimethylamine	3.63	42	20356	3.28	ng	# 85
6) bis(2-Chloroethyl)ether	7.21	93	32073	3.28	ng	# 75
9) Nitrobenzene	8.99	77	35490	3.28	ng	94
10) Naphthalene	10.61	128	108779	3.36	ng	97
11) Hexachlorobutadiene	10.90	225	16892	3.53	ng	97
12) 2-Methylnaphthalene	12.23	142	77983	3.75	ng	98
16) Acenaphthylene	14.12	152	138638	3.80	ng	# 86
17) Acenaphthene	14.47	154	91096	3.85	ng	98
18) Fluorene	15.44	166	110551	3.75	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	31745	3.94	ng	95
21) Hexachlorobenzene	16.45	284	32096	3.98	ng	97
22) Pentachlorophenol	16.79	266	34214	7.85	ng	89
23) Phenanthrene	17.18	178	203835	4.00	ng	99
24) Anthracene	17.27	178	190653	4.15	ng	98
25) Fluoranthene	19.19	202	232544	4.37	ng	# 96
27) Benzidine	19.38	184	29846	1.63	ng	# 76
28) Pyrene	19.55	202	259011	4.62	ng	99
30) Benzo(a)anthracene	21.29	228	245917	4.06	ng	# 91
31) 3,3'-Dichlorobenzidine	21.22	252	28746	0.93	ng	# 83
32) Chrysene	21.29	228	245892	3.90	ng	# 87
33) Bis(2-ethylhexyl)phthalate	21.20	149	99477	5.42	ng	# 85
34) Indeno(1,2,3-cd)pyrene	26.29	276	253966	4.53	ng	97
36) Benzo(b)fluoranthene	22.99	252	234733	4.02	ng	97
37) Benzo(k)fluoranthene	22.99	252	234733	3.95	ng	97
38) Benzo(a)pyrene	23.63	252	223601	4.06	ng	# 97
39) Dibenzo(a,h)anthracene	26.32	278	214177	4.11	ng	96
40) Benzo(g,h,i)perylene	27.09	276	214797	4.05	ng	94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

Instrument :

BNA_E

ClientSampleId :

PB90187BSD

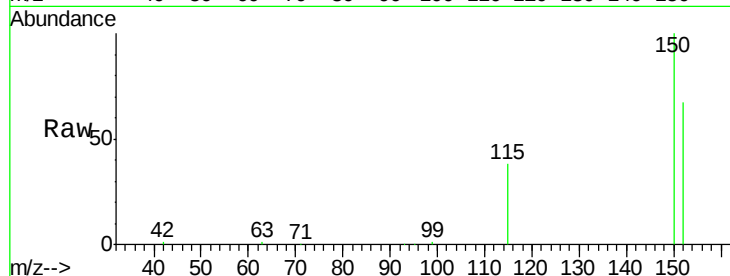
Tgt Ion:152 Resp: 34162

Ion Ratio Lower Upper

152 100

150 148.3 122.6 183.8

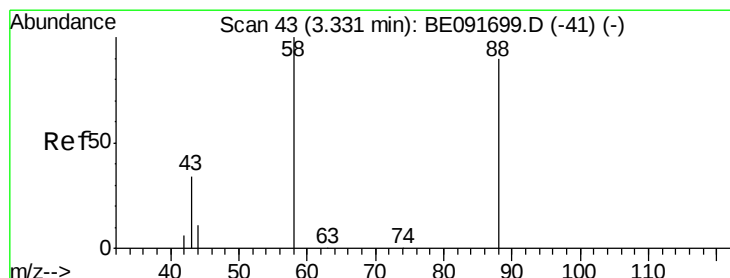
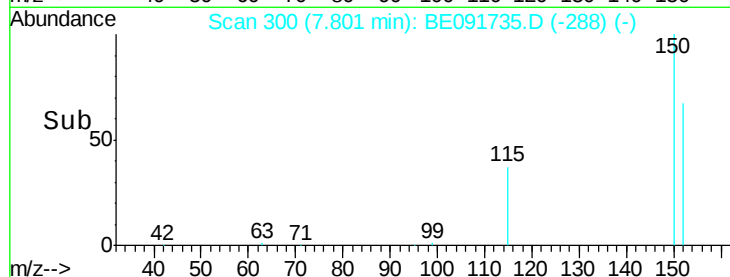
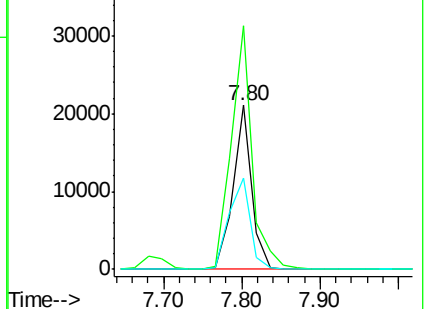
115 55.7 52.8 79.2



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: 3.13 ng

RT: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

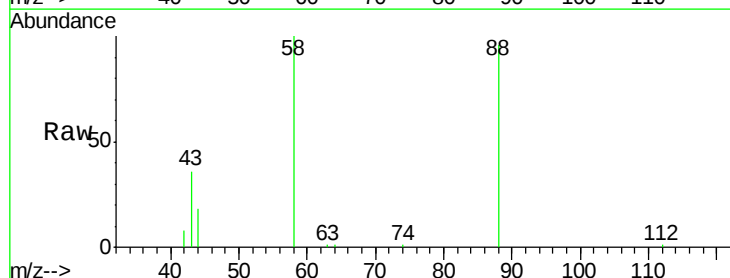
Tgt Ion: 88 Resp: 12594

Ion Ratio Lower Upper

88 100

58 87.0 65.8 98.6

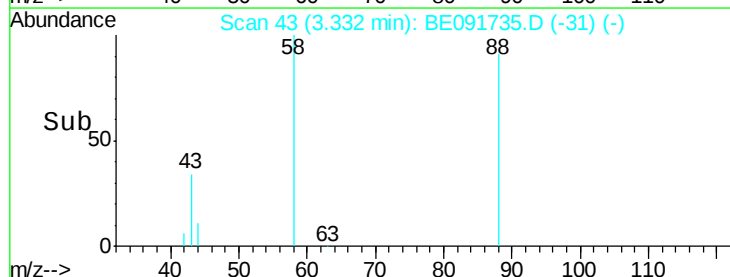
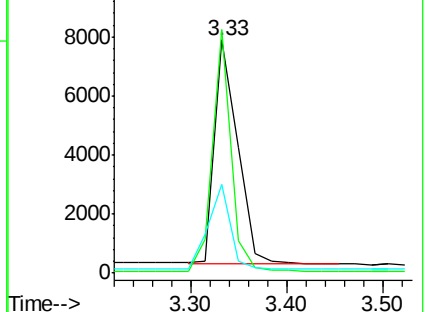
43 36.1 25.3 37.9

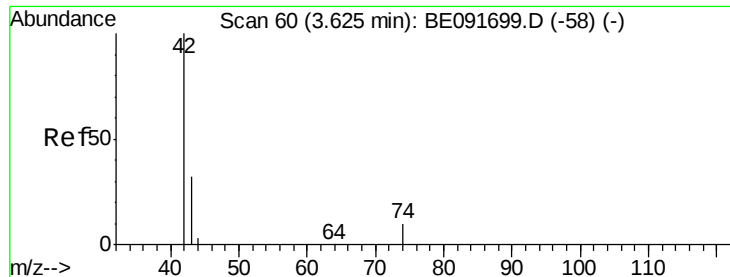


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.28 ng

RT: 3.63 min Scan# 60

Delta R.T. 0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

Instrument :

BNA_E

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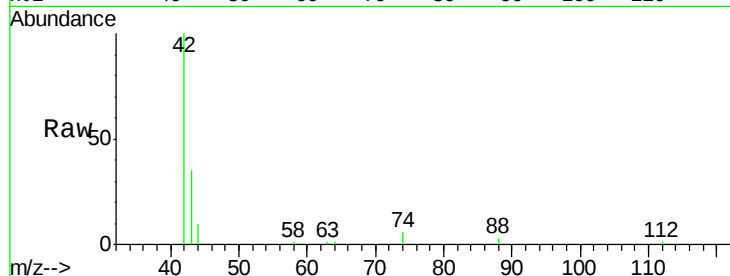
Tgt Ion: 42 Resp: 20356

Ion Ratio Lower Upper

42 100

74 94.0 87.9 131.9

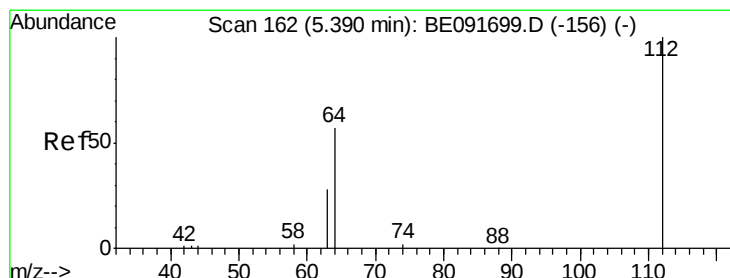
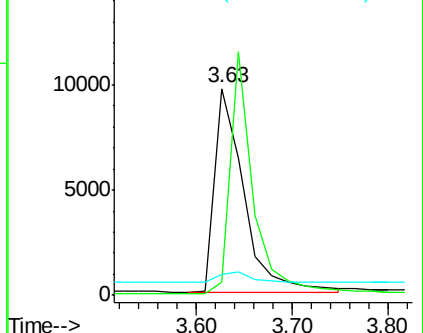
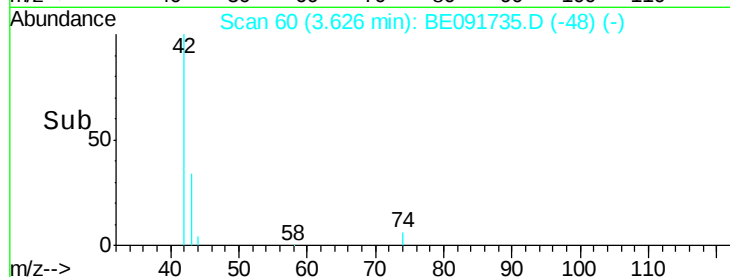
44 5.7 6.6 9.8#



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: 5.61 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

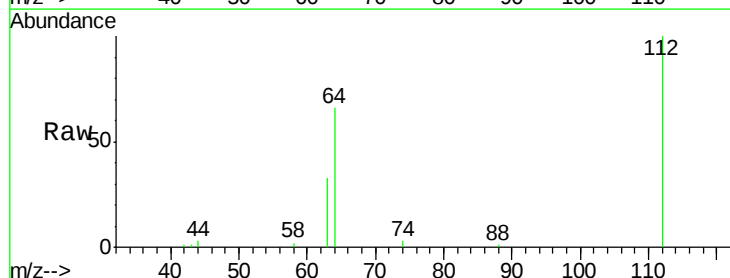
Tgt Ion: 112 Resp: 47092

Ion Ratio Lower Upper

112 100

64 67.6 30.9 46.3#

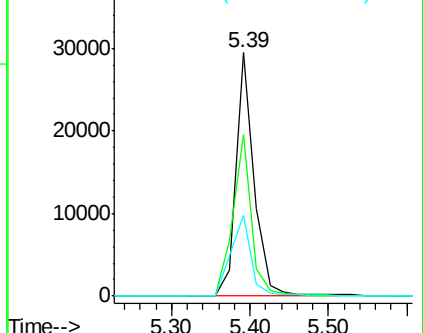
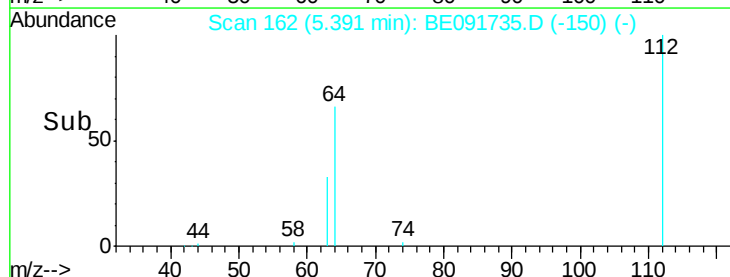
63 36.7 16.7 25.1#

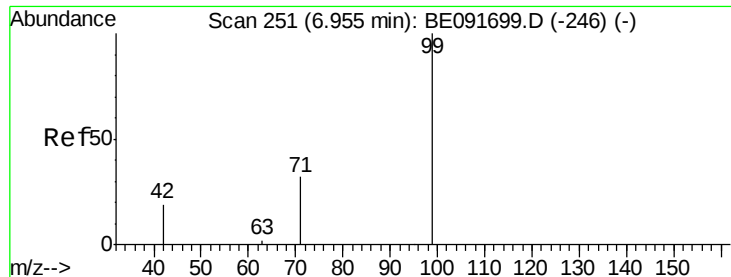


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.15 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

Instrument :

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PB90187BSD

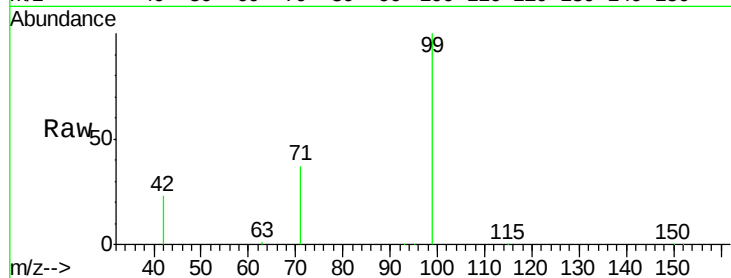
Tgt Ion: 99 Resp: 68442

Ion Ratio Lower Upper

99 100

42 25.8 16.2 24.2#

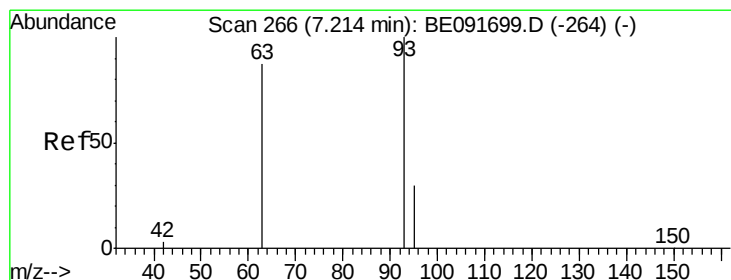
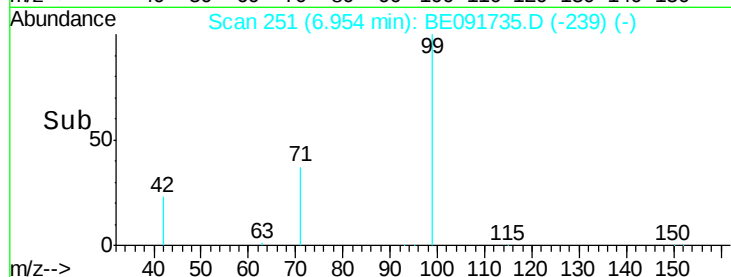
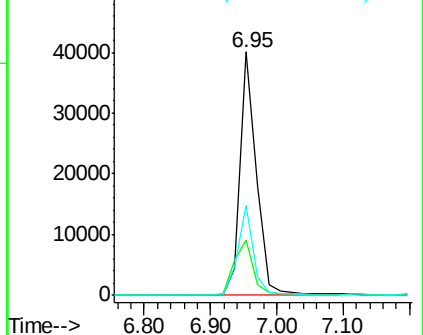
71 35.4 29.0 43.4



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

bis(2-Chloroethyl)ether

Concen: 3.28 ng

RT: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

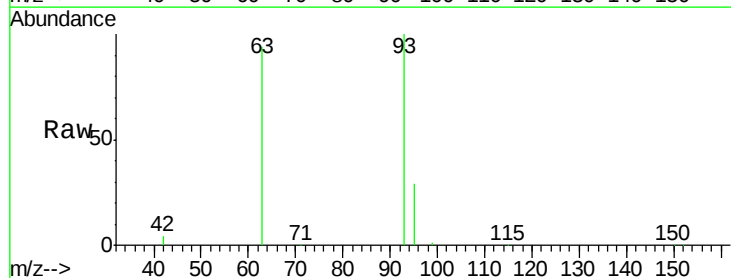
Tgt Ion: 93 Resp: 32073

Ion Ratio Lower Upper

93 100

63 86.1 49.5 74.3#

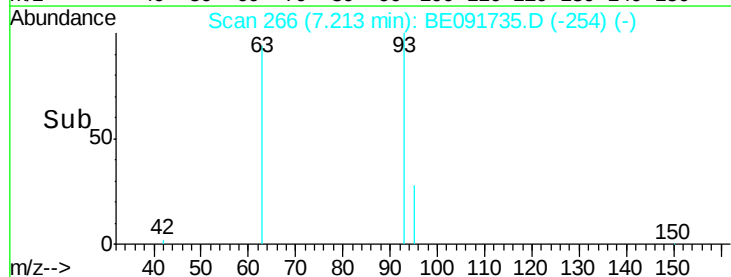
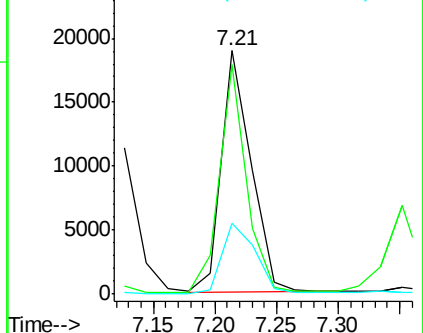
95 32.6 22.2 33.4

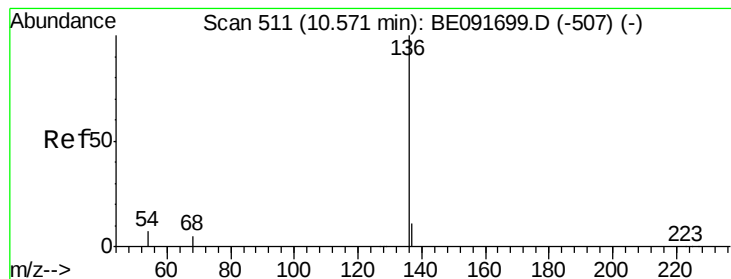


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

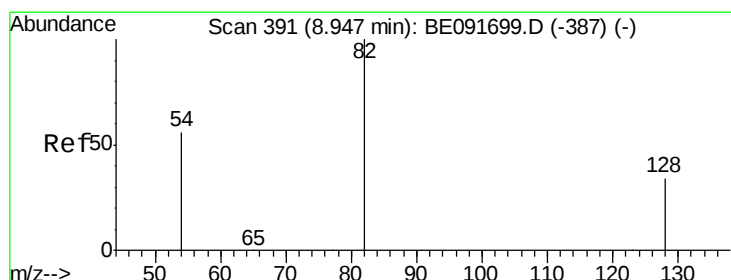
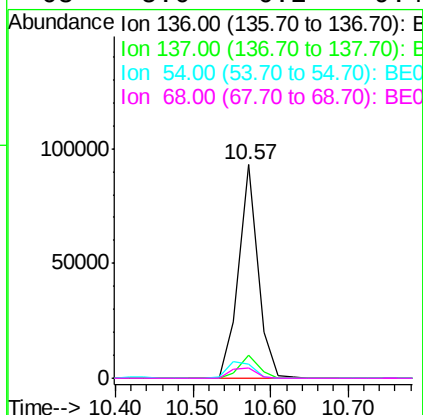
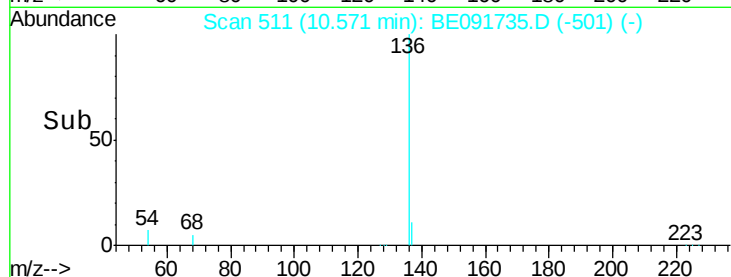
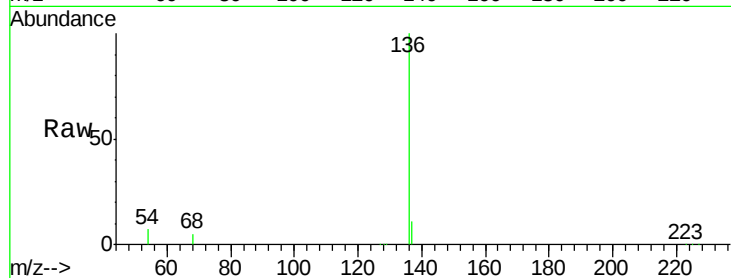
Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:	136	Resp:	160284
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.7	8.2	12.4#
68	5.0	6.2	9.4#



#8

Nitrobenzene-d5

Concen: 3.09 ng

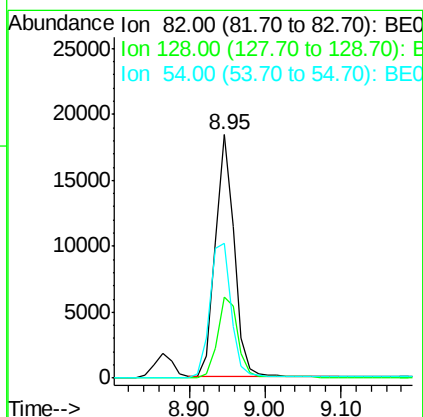
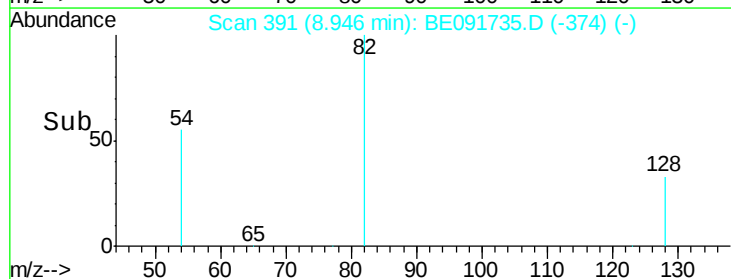
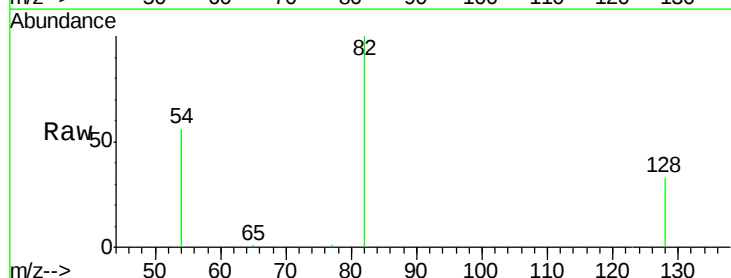
RT: 8.95 min Scan# 391

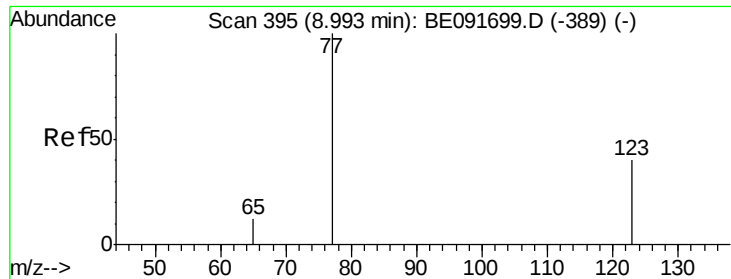
Delta R.T. -0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

Tgt Ion:	82	Resp:	31943
Ion	Ratio	Lower	Upper
82	100		
128	33.5	25.4	38.0
54	55.6	48.4	72.6

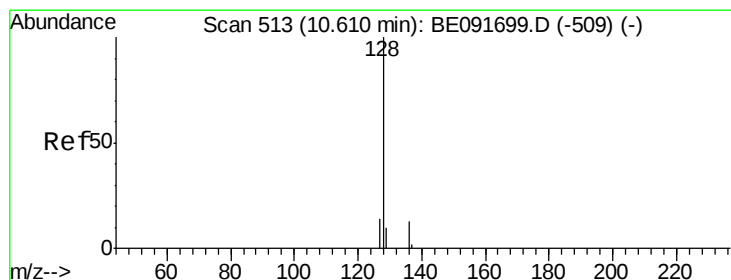
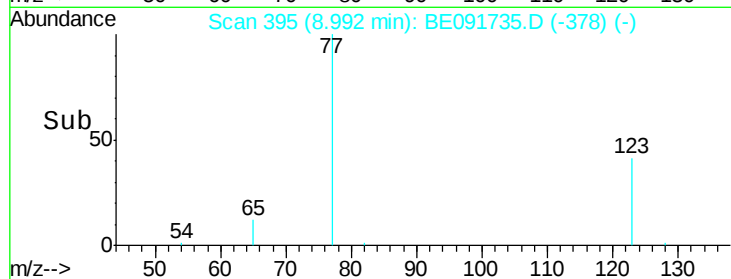
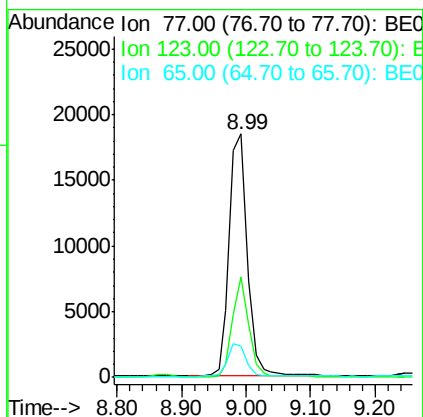
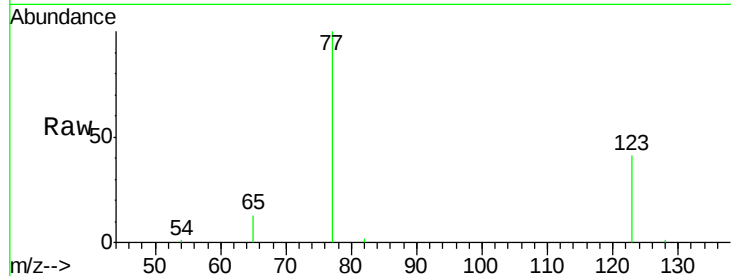




#9
 Nitrobenzene
 Concen: 3.28 ng
 RT: 8.99 min Scan# 395
 Delta R.T. -0.00 min
 Lab File: BE091735.D
 Acq: 29 Apr 2016 16:02

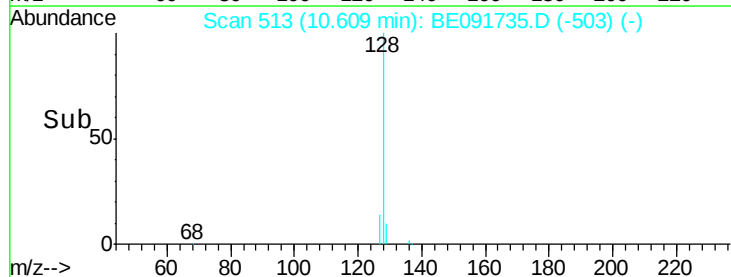
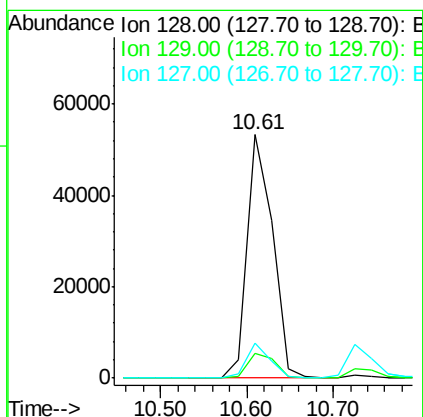
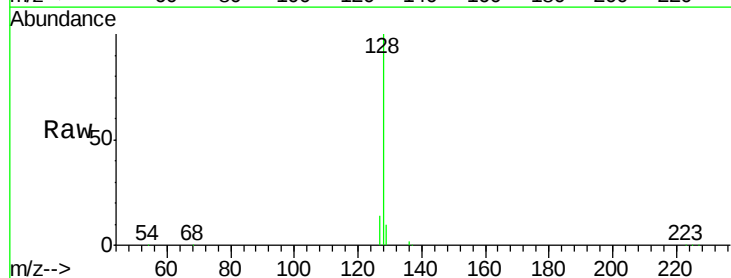
Instrument :
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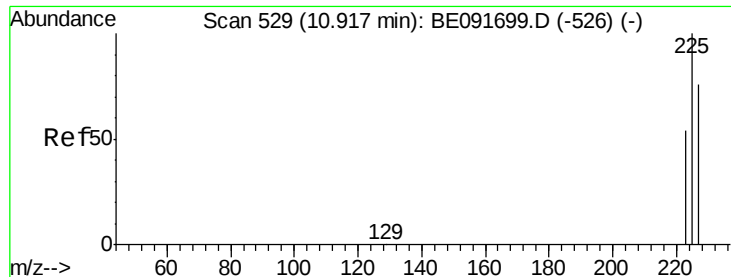
Tgt Ion: 77 Resp: 35490
 Ion Ratio Lower Upper
 77 100
 123 37.2 26.9 40.3
 65 13.8 9.4 14.2



#10
 Naphthalene
 Concen: 3.36 ng
 RT: 10.61 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BE091735.D
 Acq: 29 Apr 2016 16:02

Tgt Ion: 128 Resp: 108779
 Ion Ratio Lower Upper
 128 100
 129 10.3 9.3 13.9
 127 14.3 10.7 16.1

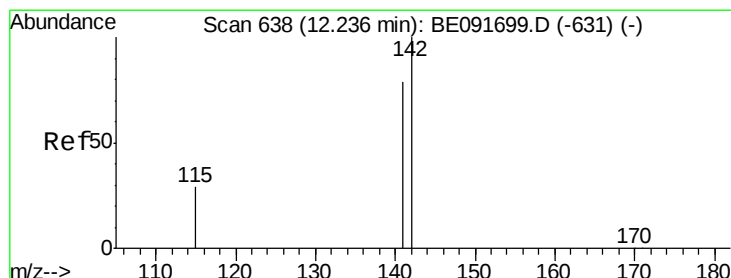
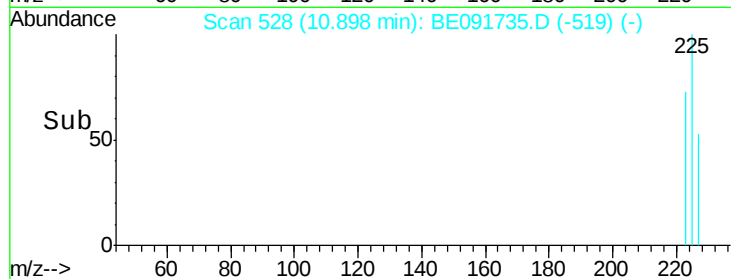
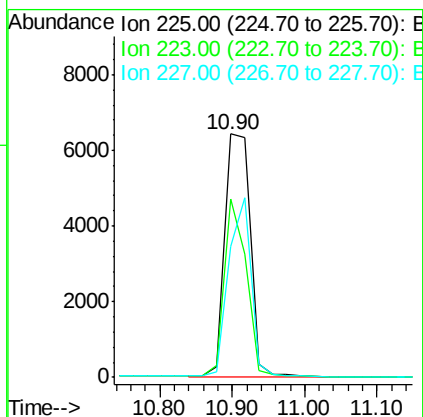
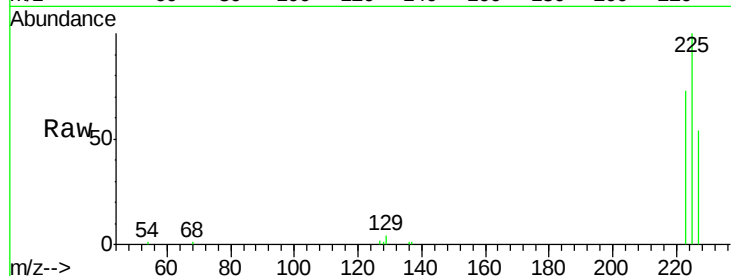




#11
Hexachlorobutadiene
Concen: 3.53 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091735.D
Acq: 29 Apr 2016 16:02

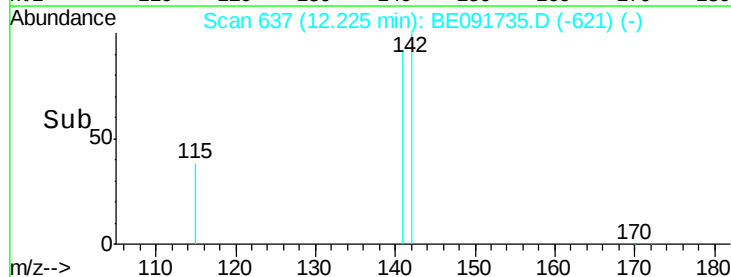
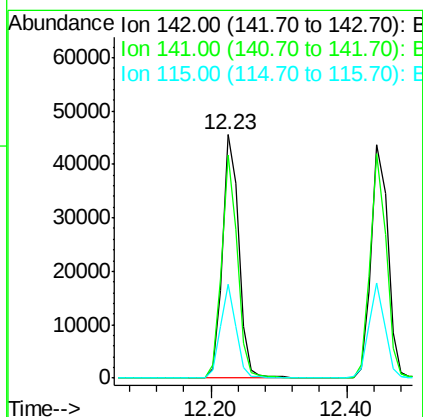
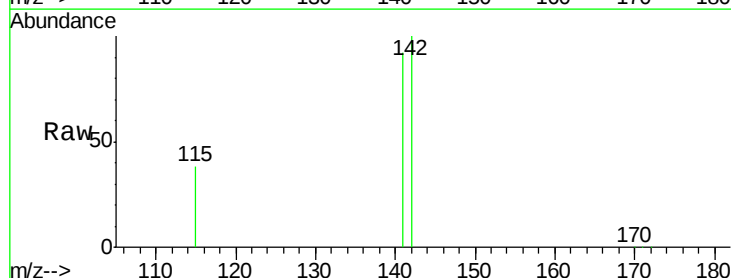
Instrument :
BNA_E
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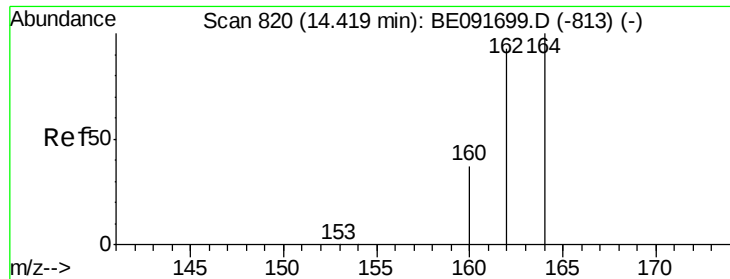
Tgt Ion: 225 Resp: 16892
Ion Ratio Lower Upper
225 100
223 63.6 49.0 73.6
227 65.2 50.3 75.5



#12
2-Methylnaphthalene
Concen: 3.75 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091735.D
Acq: 29 Apr 2016 16:02

Tgt Ion: 142 Resp: 77983
Ion Ratio Lower Upper
142 100
141 91.7 71.4 107.0
115 38.5 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

Instrument :

BNA_E

ClientSampleId :

PB90187BSD

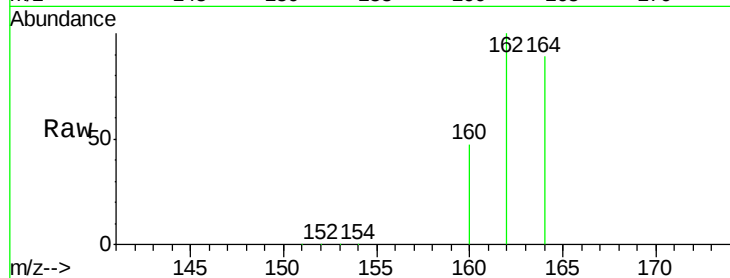
Tgt Ion:164 Resp: 94968

Ion Ratio Lower Upper

164 100

162 112.1 85.3 127.9

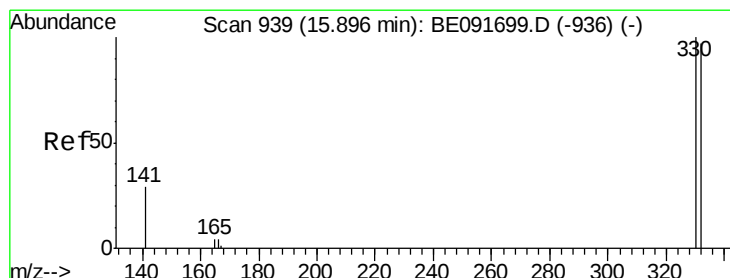
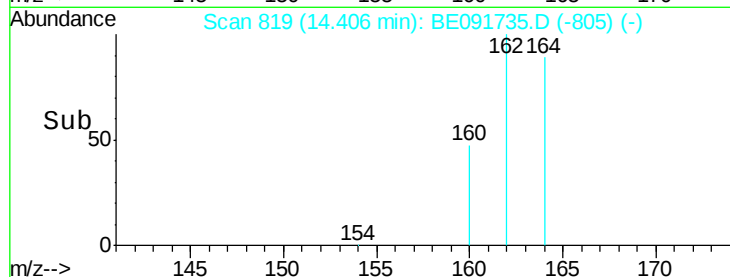
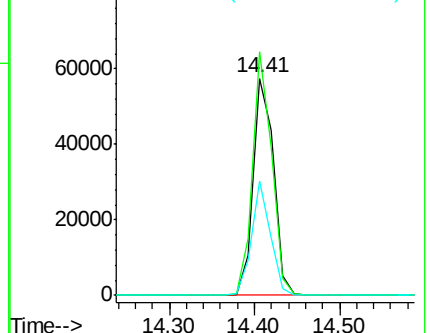
160 52.7 46.2 69.2



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



#14

2,4,6-Tribromophenol

Concen: 6.28 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

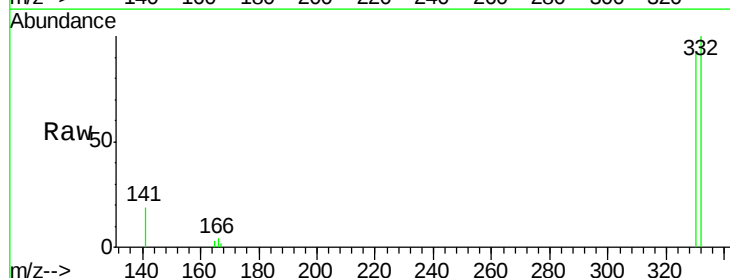
Tgt Ion:330 Resp: 22074

Ion Ratio Lower Upper

330 100

332 97.5 79.1 118.7

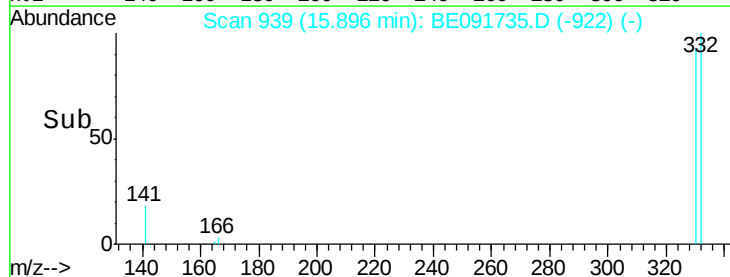
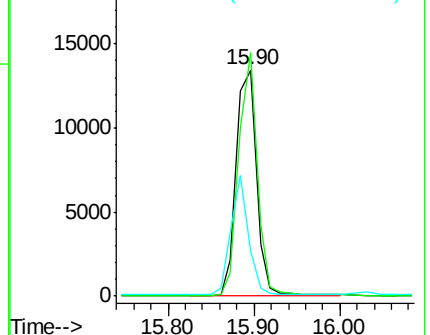
141 45.7 125.4 188.0#

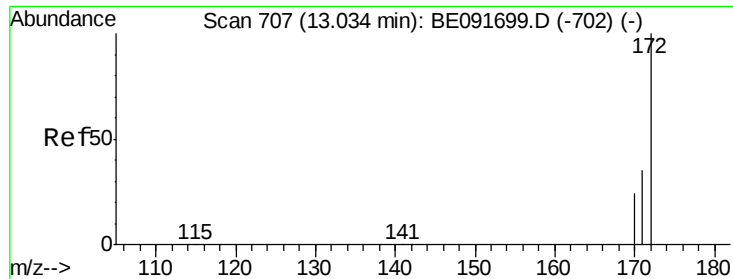


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

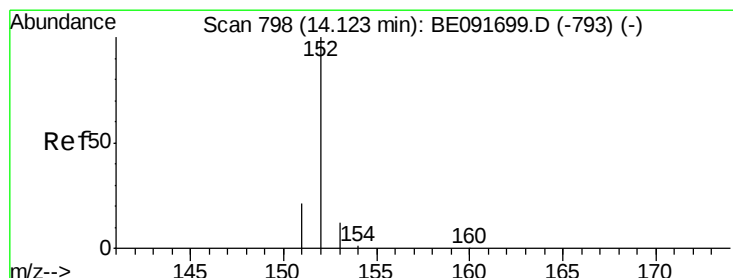
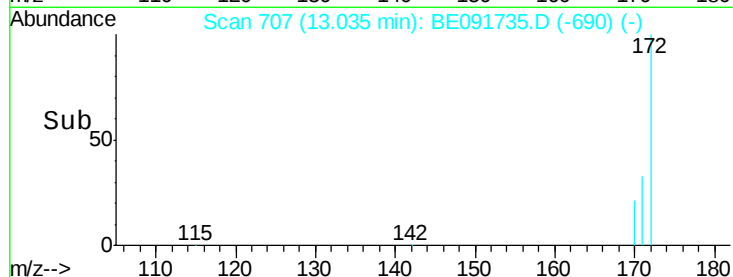
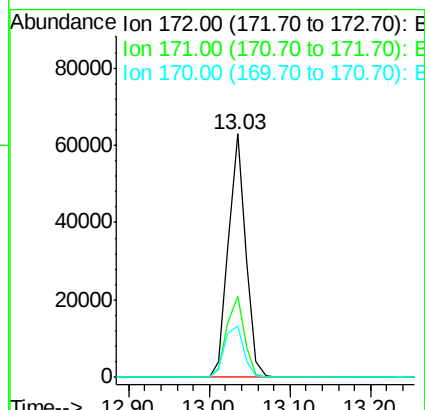
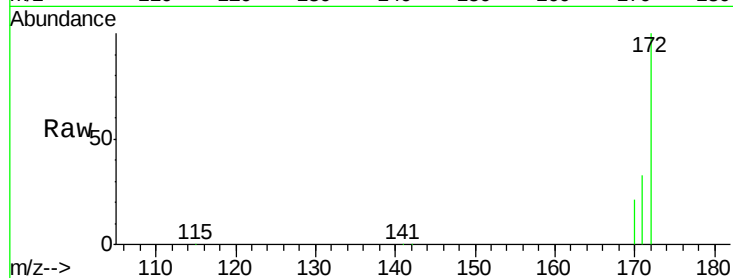




#15
2-Fluorobiphenyl
Concen: 3.48 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091735.D
Acq: 29 Apr 2016 16:02

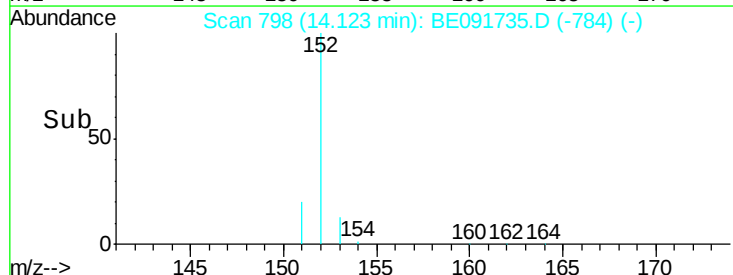
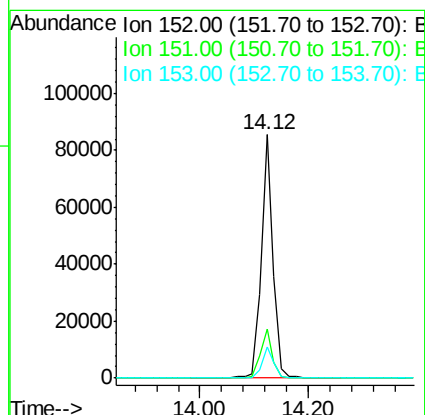
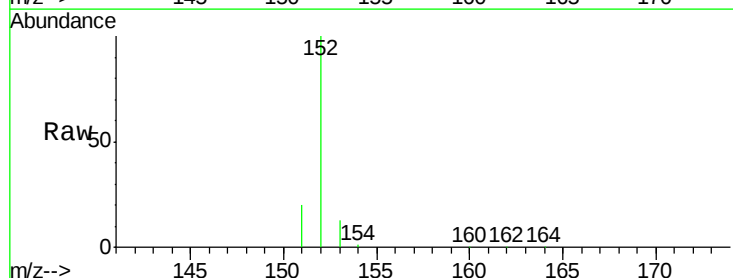
Instrument :
BNA_E
ClientSampleId :
PB90187BSD

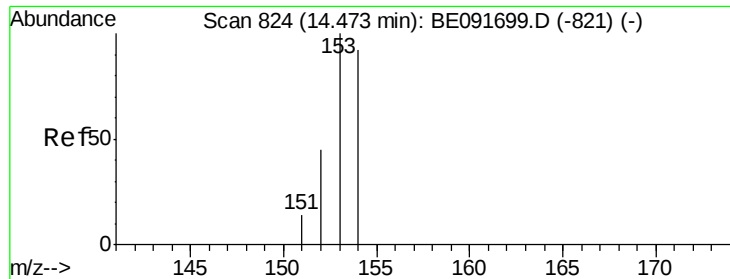
Tgt Ion:172 Resp: 93575
Ion Ratio Lower Upper
172 100
171 33.0 28.8 43.2
170 21.2 19.3 28.9



#16
Acenaphthylene
Concen: 3.80 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091735.D
Acq: 29 Apr 2016 16:02

Tgt Ion:152 Resp: 138638
Ion Ratio Lower Upper
152 100
151 20.2 3.9 5.9#
153 13.6 10.3 15.5

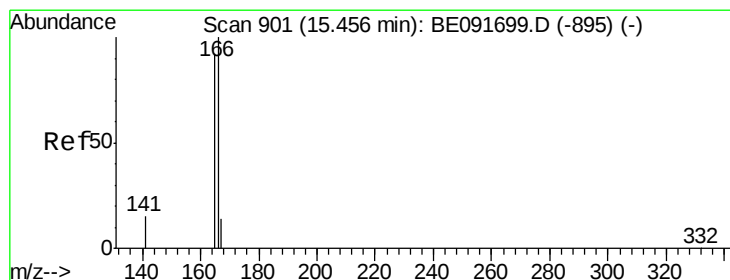
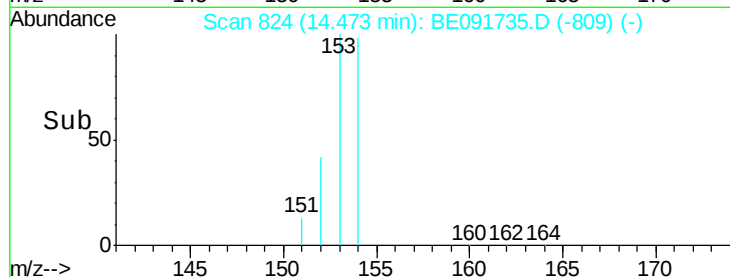
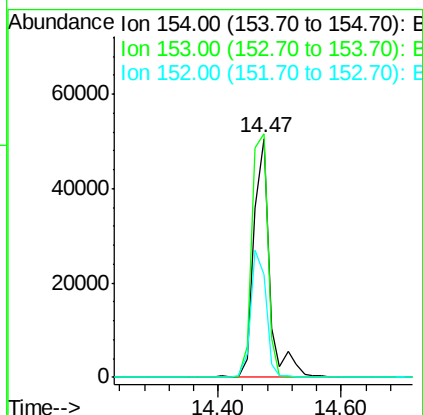
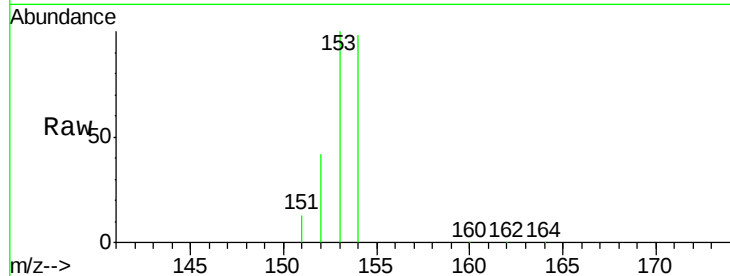




#17
Acenaphthene
Concen: 3.85 ng
RT: 14.47 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE091735.D
Acq: 29 Apr 2016 16:02

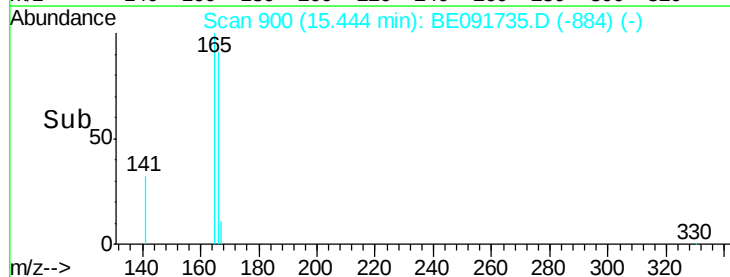
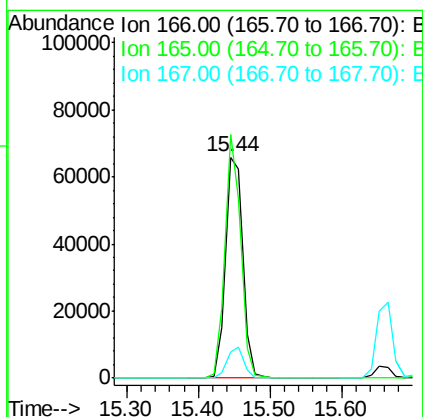
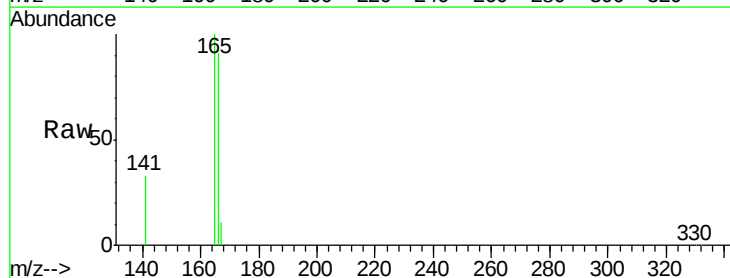
Instrument :
BNA_E
ClientSampleId :
PB90187BSD

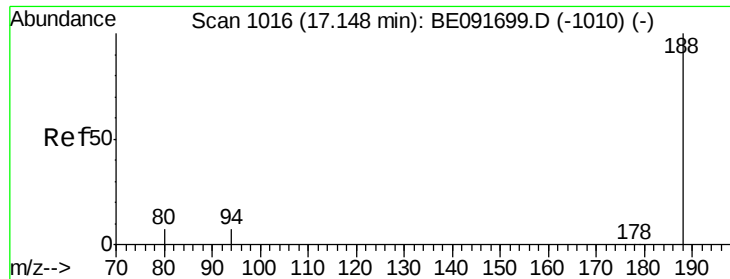
Tgt Ion:154 Resp: 91096
Ion Ratio Lower Upper
154 100
153 102.7 80.0 120.0
152 50.3 40.0 60.0



#18
Fluorene
Concen: 3.75 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091735.D
Acq: 29 Apr 2016 16:02

Tgt Ion:166 Resp: 110551
Ion Ratio Lower Upper
166 100
165 99.8 80.8 121.2
167 13.5 10.9 16.3

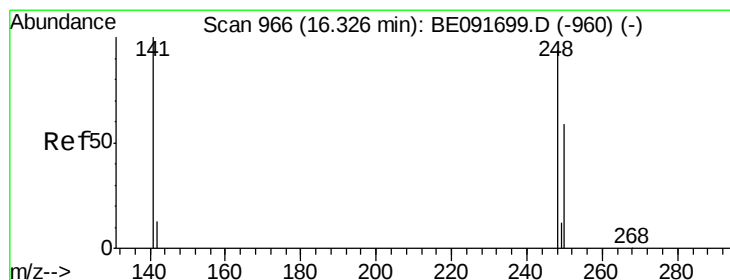
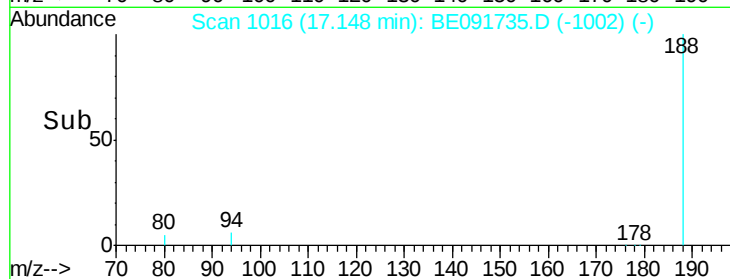
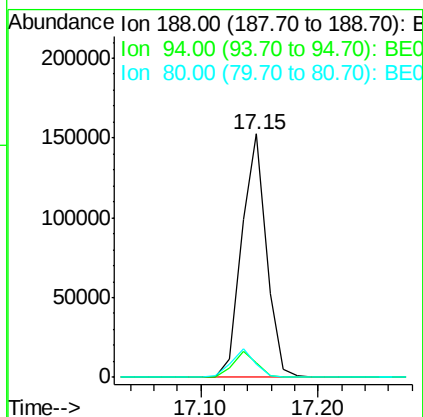
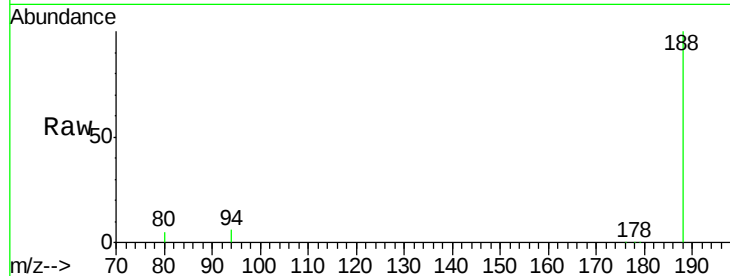




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091735.D
Acq: 29 Apr 2016 16:02

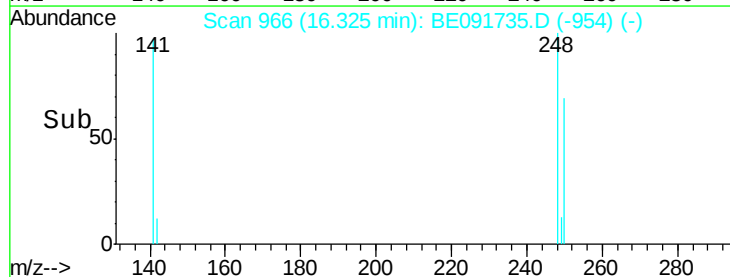
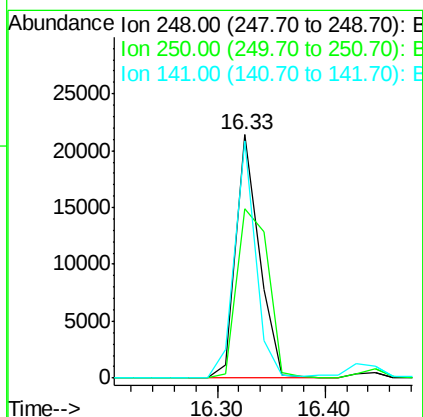
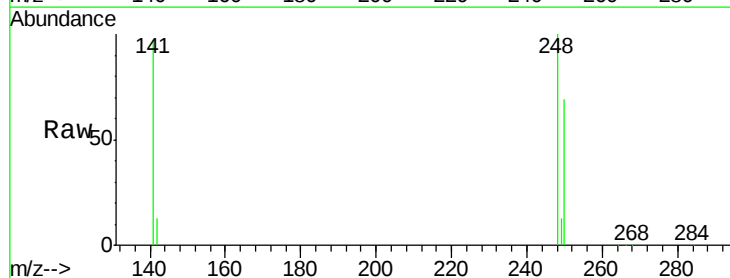
Instrument :
BNA_E
ClientSampleId :
PB90187BSD

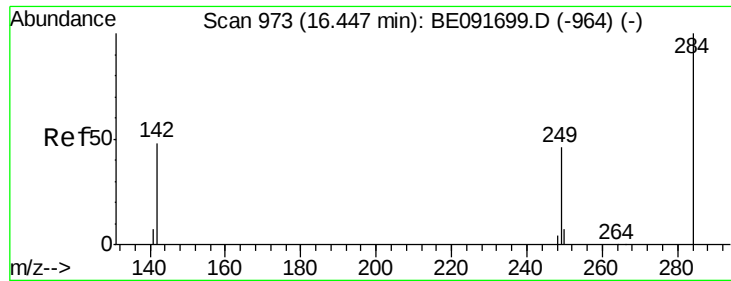
Tgt Ion:188 Resp: 224235
Ion Ratio Lower Upper
188 100
94 5.9 8.7 13.1#
80 5.2 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 3.94 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091735.D
Acq: 29 Apr 2016 16:02

Tgt Ion:248 Resp: 31745
Ion Ratio Lower Upper
248 100
250 93.7 80.5 120.7
141 87.0 72.0 108.0

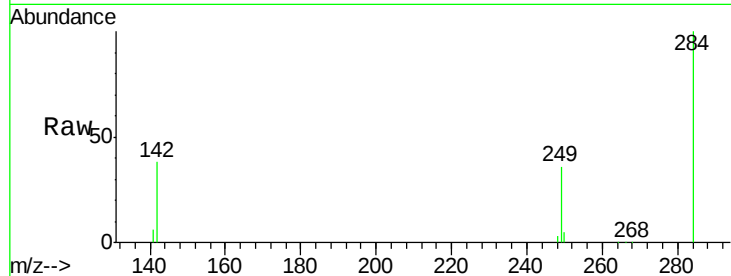




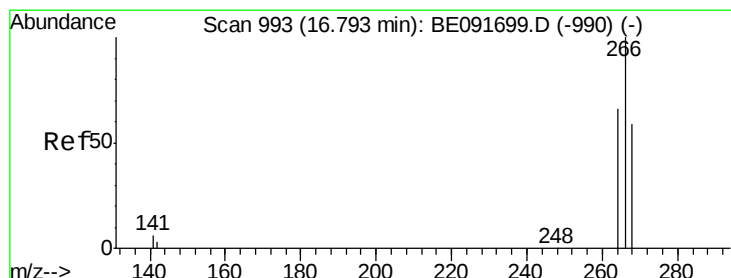
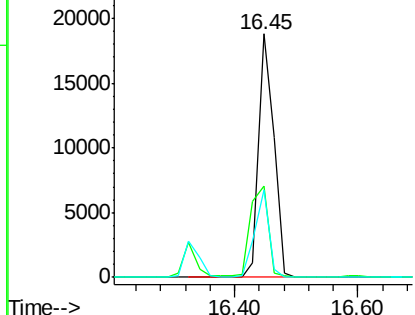
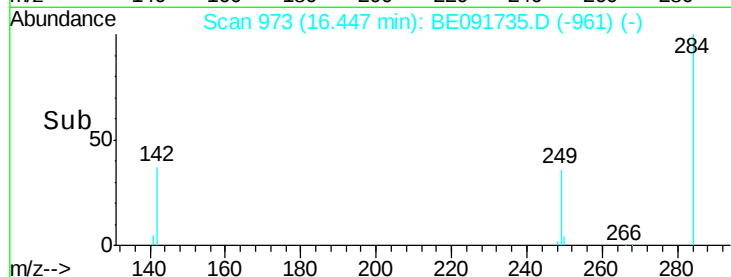
#21
Hexachlorobenzene
Concen: 3.98 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091735.D
Acq: 29 Apr 2016 16:02

Instrument :
BNA_E
ClientSampleId :
PB90187BSD

Tgt Ion: 284 Resp: 32096
Ion Ratio Lower Upper
284 100
142 43.0 32.2 48.2
249 32.8 25.4 38.2

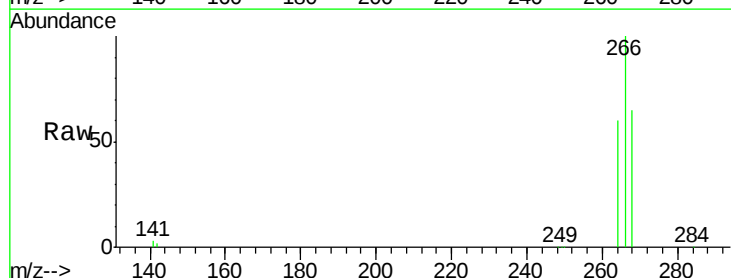


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

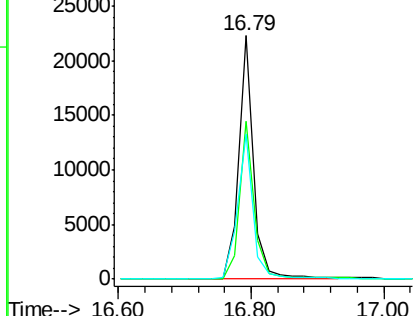
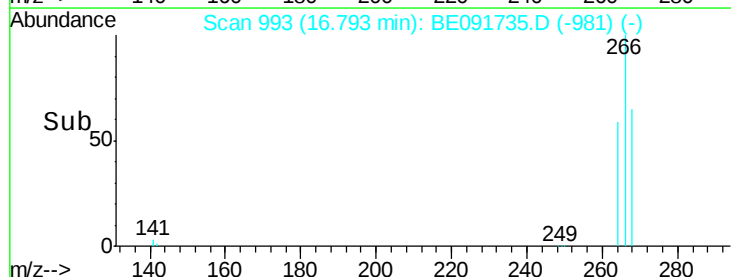


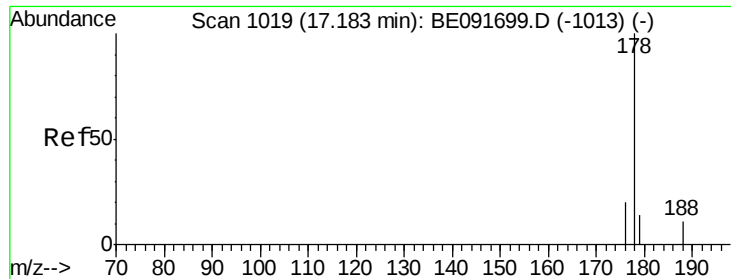
#22
Pentachlorophenol
Concen: 7.85 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE091735.D
Acq: 29 Apr 2016 16:02

Tgt Ion: 266 Resp: 34214
Ion Ratio Lower Upper
266 100
268 64.6 58.2 87.2
264 59.6 56.2 84.4



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





#23

Phenanthrene

Concen: 4.00 ng

RT: 17.18 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

Instrument :

BNA_E

ClientSampleId :

PB90187BSD

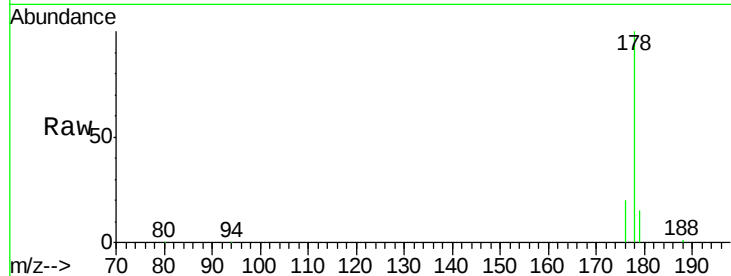
Tgt Ion:178 Resp: 203835

Ion Ratio Lower Upper

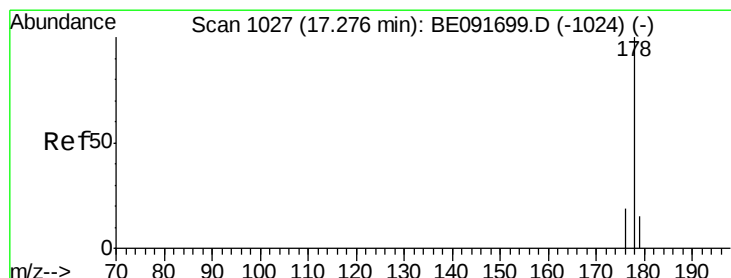
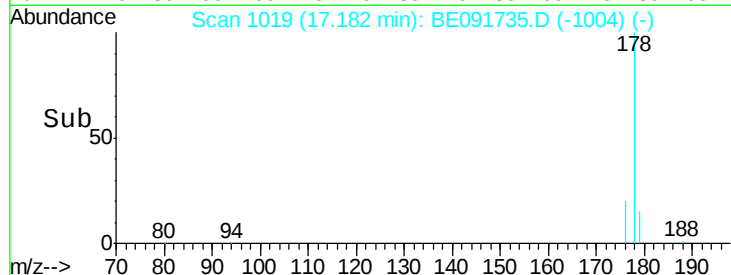
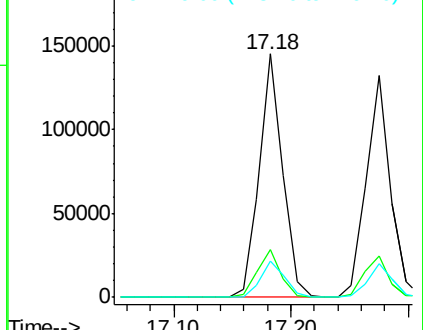
178 100

176 19.5 15.3 22.9

179 15.4 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



#24

Anthracene

Concen: 4.15 ng

RT: 17.27 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

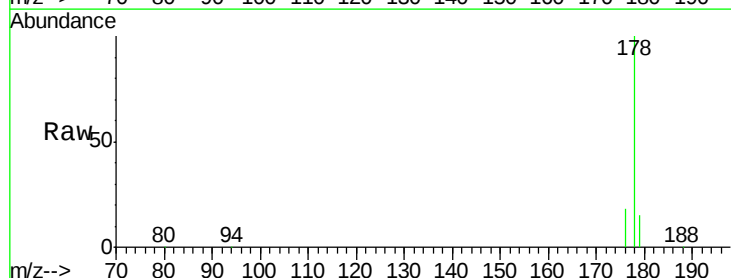
Tgt Ion:178 Resp: 190653

Ion Ratio Lower Upper

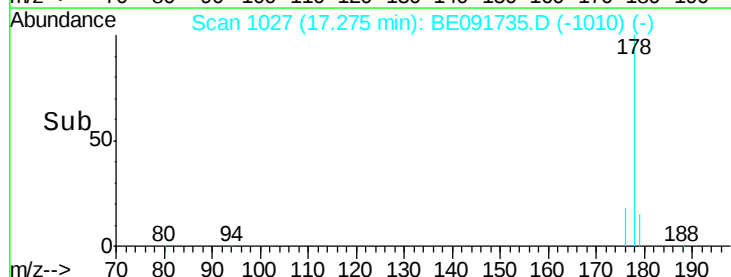
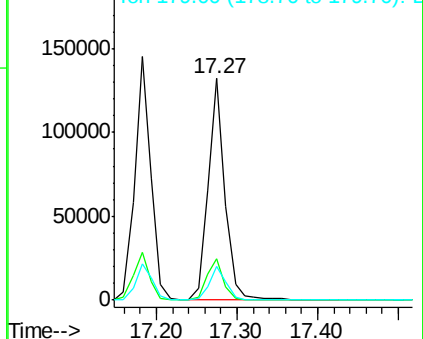
178 100

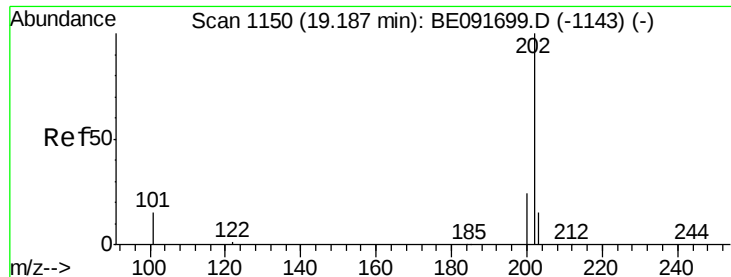
176 19.1 14.6 21.8

179 15.1 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

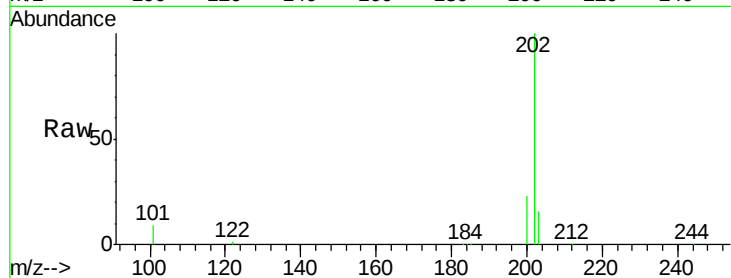




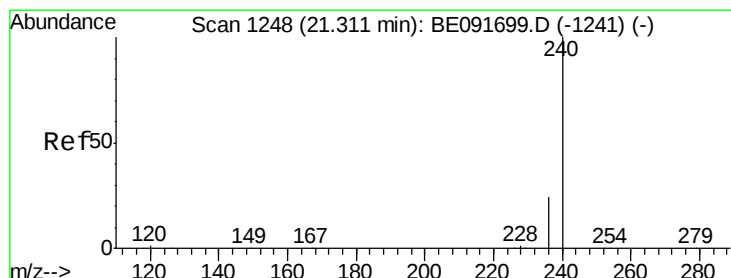
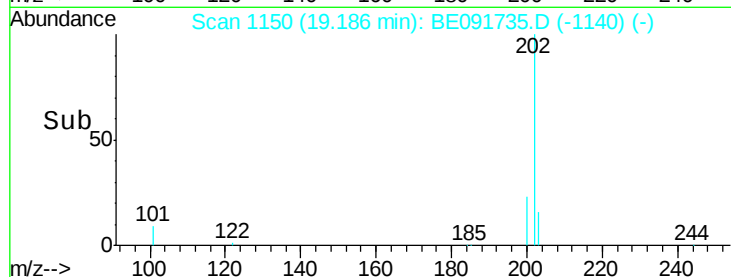
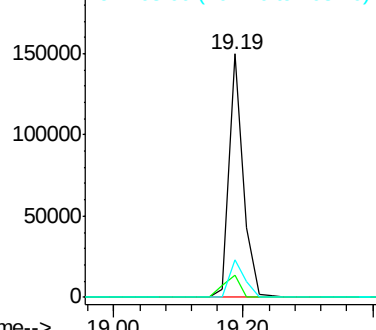
#25
 Fluoranthene
 Concen: 4.37 ng
 RT: 19.19 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BE091735.D
 Acq: 29 Apr 2016 16:02

Instrument :
 BNA_E
 ClientSampleId :
 PB90187BSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	11.0	16.6#
203	17.3	13.9	20.9

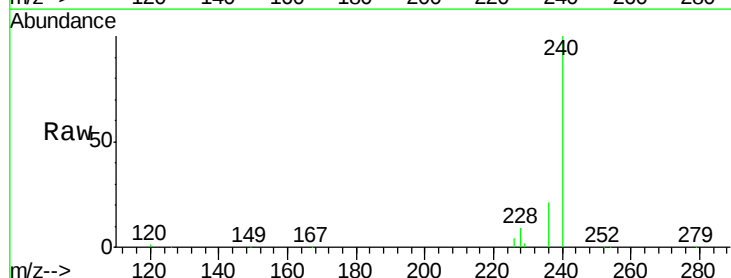


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

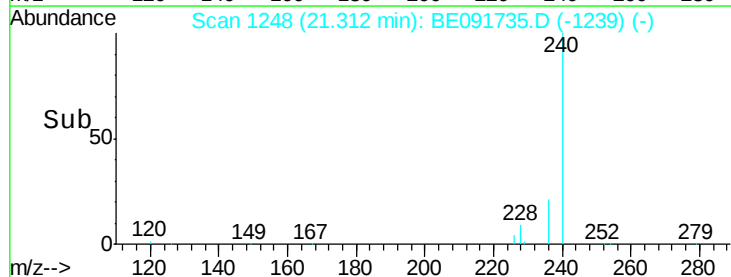
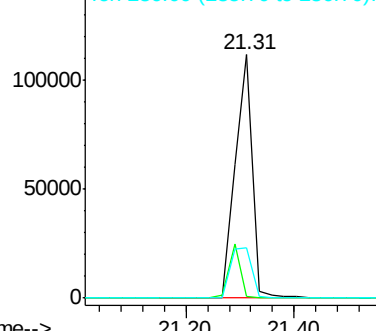


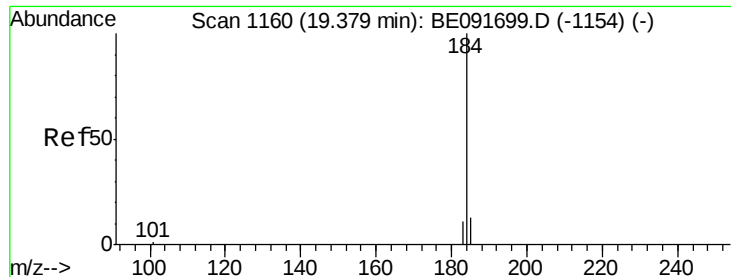
#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.31 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: BE091735.D
 Acq: 29 Apr 2016 16:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	0.8	11.0	16.4#
236	20.9	21.7	32.5#



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





#27

Benzidine

Concen: 1.63 ng

RT: 19.38 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

Instrument :

BNA_E

ClientSampleId :

PB90187BSD

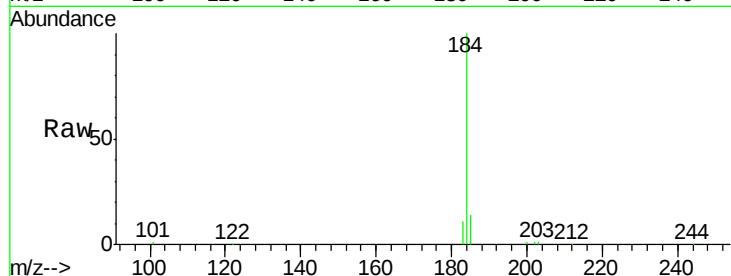
Tgt Ion:184 Resp: 29846

Ion Ratio Lower Upper

184 100

185 14.4 22.3 33.5#

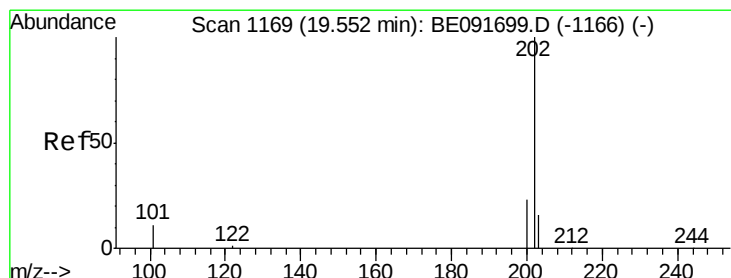
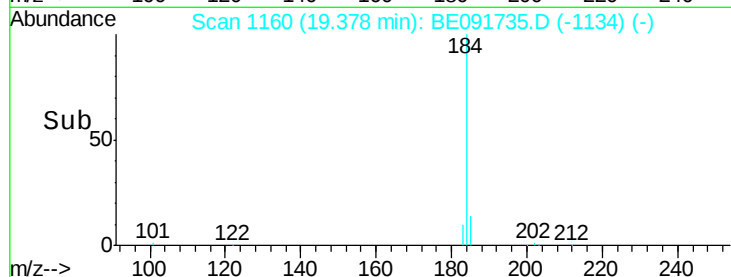
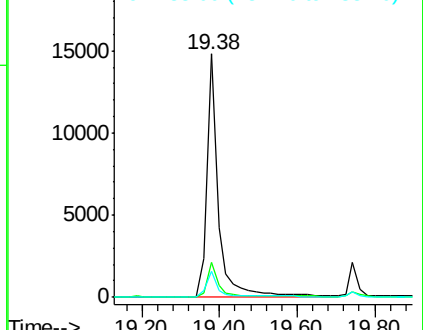
183 10.7 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 4.62 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

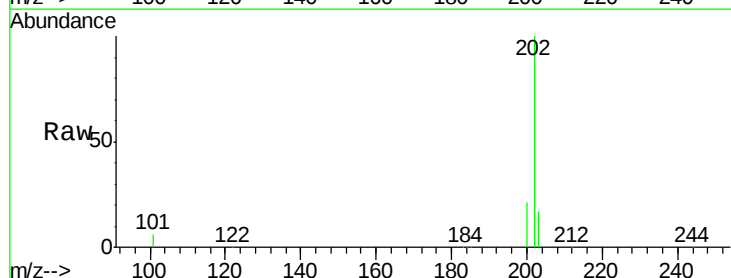
Tgt Ion:202 Resp: 259011

Ion Ratio Lower Upper

202 100

200 21.6 16.8 25.2

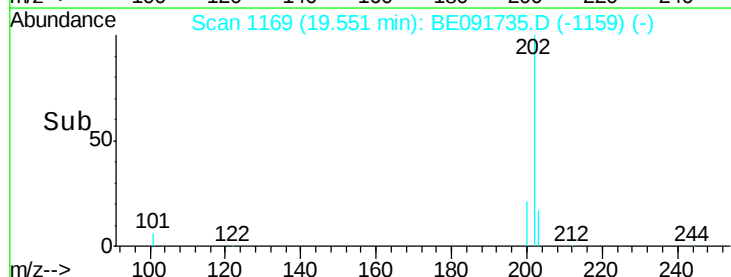
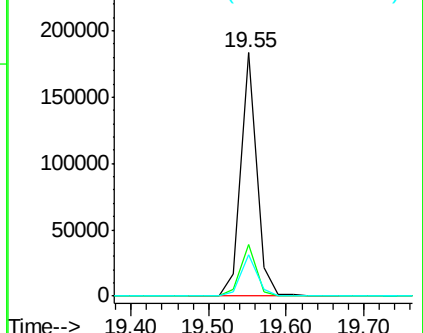
203 17.8 14.0 21.0

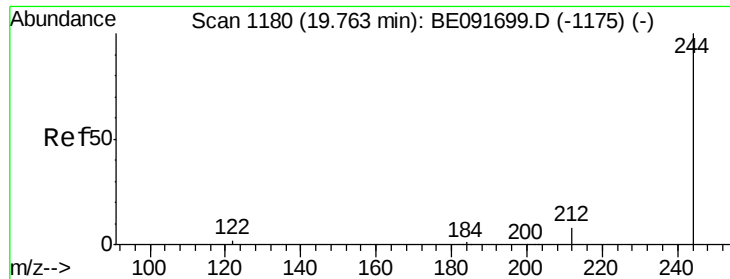


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.75 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

Instrument :

BNA_E

ClientSampleId :

PB90187BSD

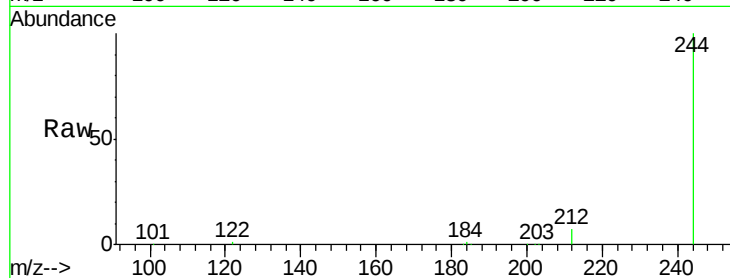
Tgt Ion:244 Resp: 144968

Ion Ratio Lower Upper

244 100

212 7.3 6.9 10.3

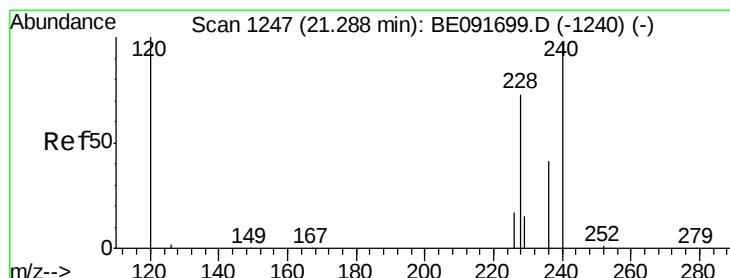
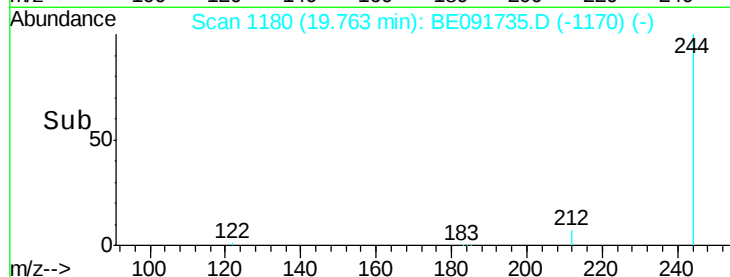
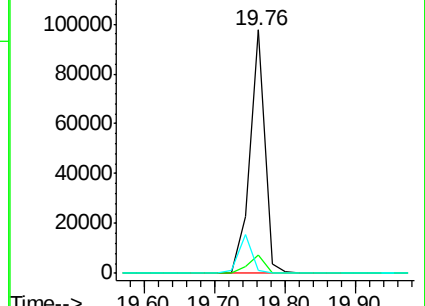
122 1.3 11.0 16.4#



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



#30

Benzo(a)anthracene

Concen: 4.06 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

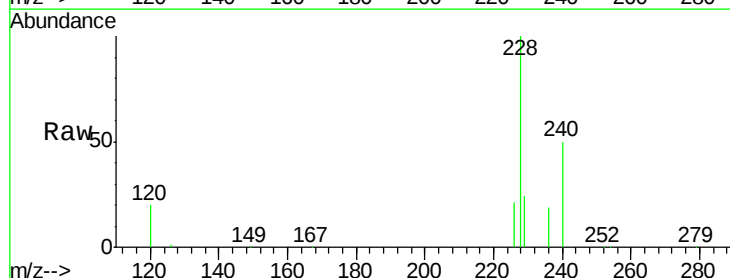
Tgt Ion:228 Resp: 245917

Ion Ratio Lower Upper

228 100

226 21.5 21.0 31.4

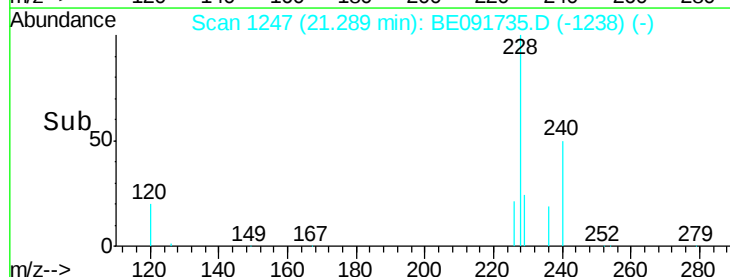
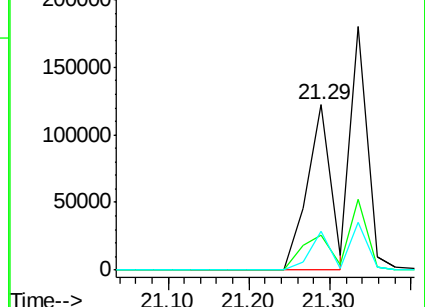
229 23.6 15.7 23.5#

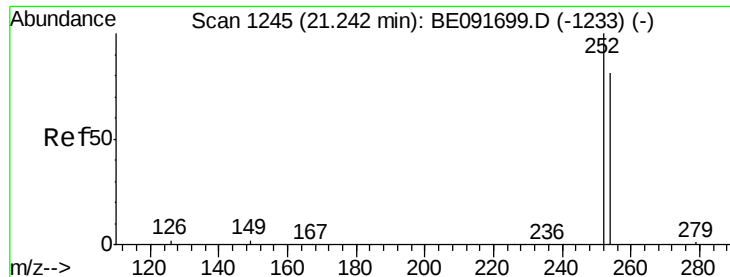


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

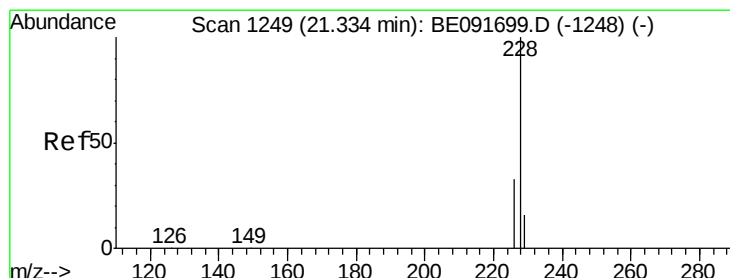
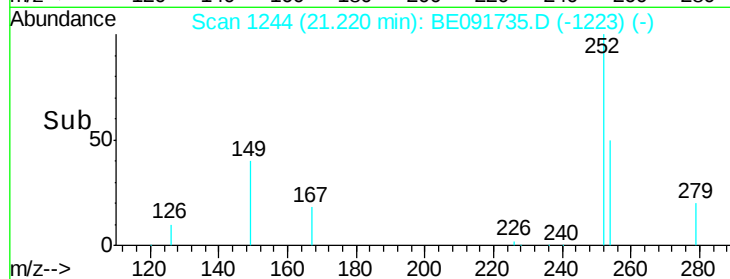
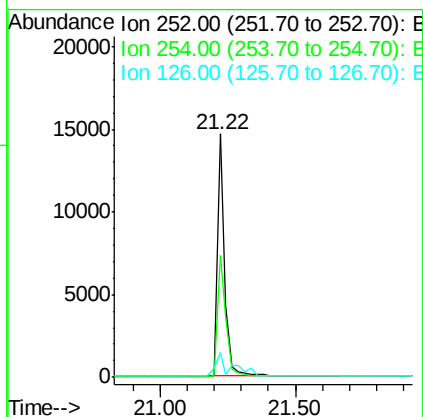
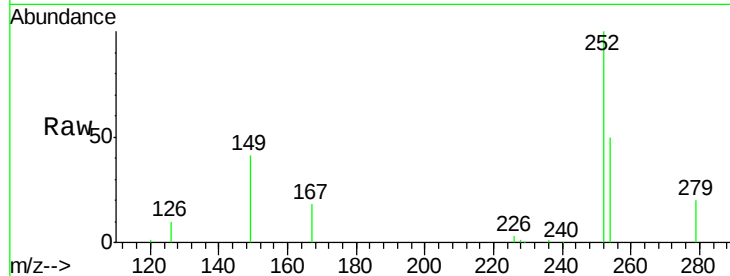




#31
 3,3'-Dichlorobenzidine
 Concen: 0.93 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BE091735.D
 Acq: 29 Apr 2016 16:02

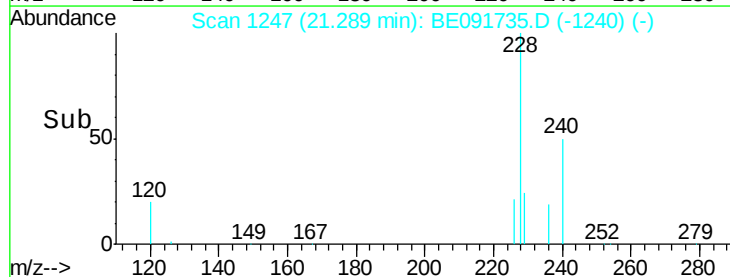
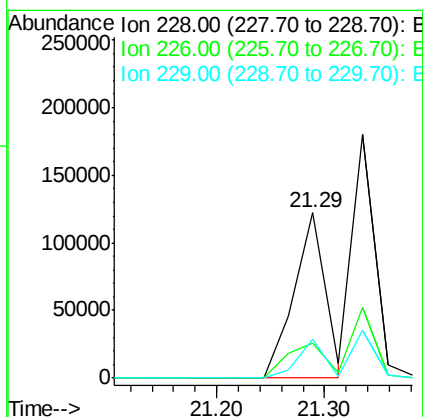
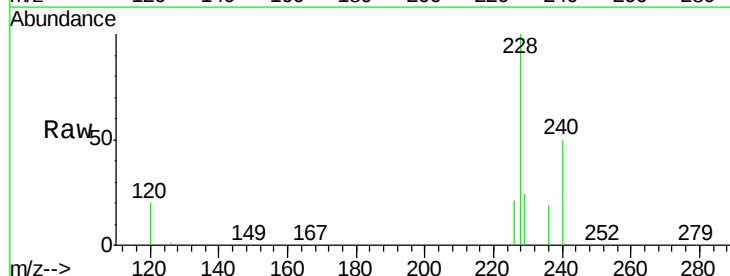
Instrument :
 BNA_E
 ClientSampleId :
 PB90187BSD

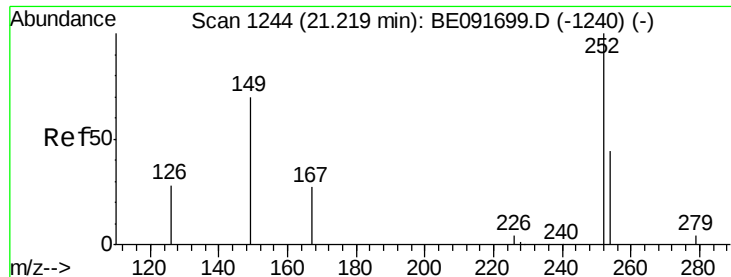
Tgt Ion: 252 Resp: 28746
 Ion Ratio Lower Upper
 252 100
 254 50.2 51.1 76.7#
 126 10.4 12.6 18.8#



#32
 Chrysene
 Concen: 3.90 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.04 min
 Lab File: BE091735.D
 Acq: 29 Apr 2016 16:02

Tgt Ion: 228 Resp: 245892
 Ion Ratio Lower Upper
 228 100
 226 21.5 24.0 36.0#
 229 23.6 15.9 23.9

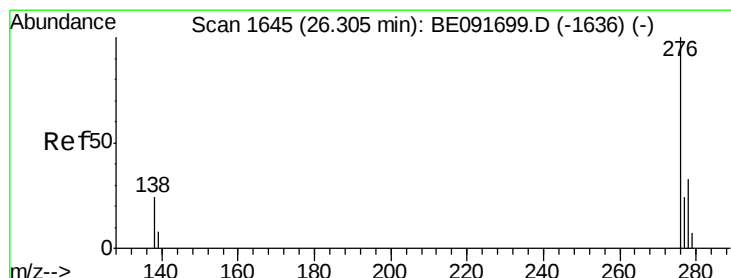
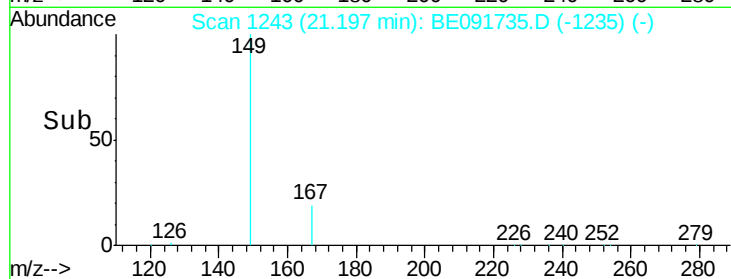
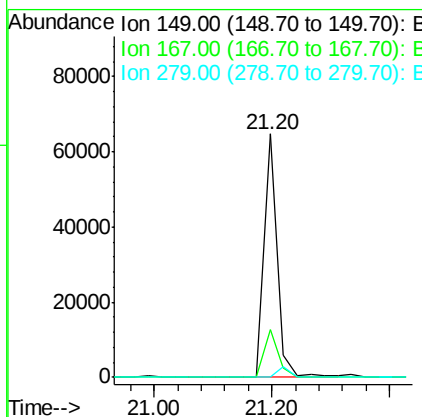
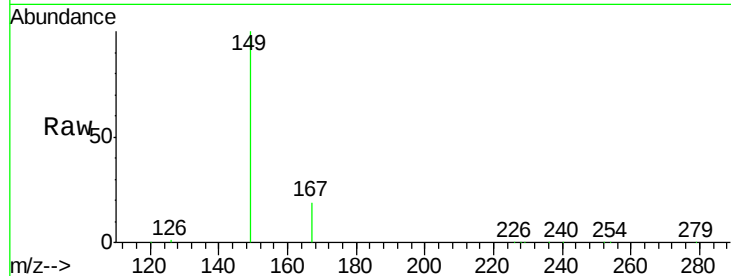




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 5.42 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091735.D
 Acq: 29 Apr 2016 16:02

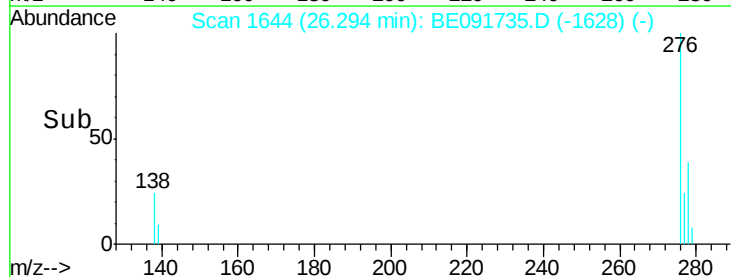
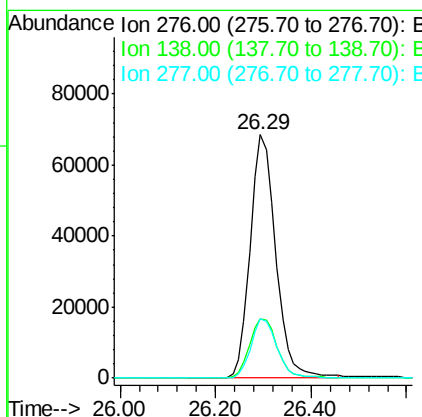
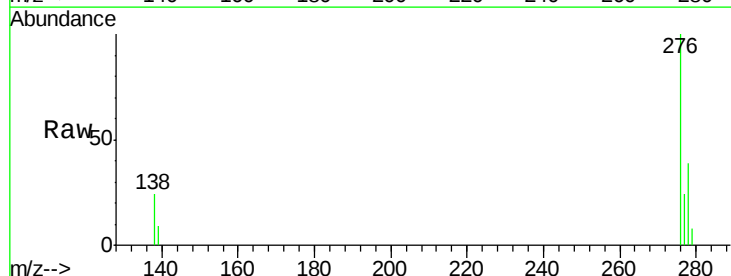
Instrument :
 BNA_E
 ClientSampleId :
 PB90187BSD

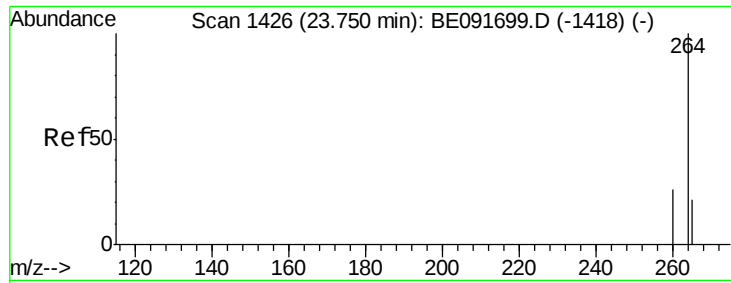
Tgt Ion:149 Resp: 99477
 Ion Ratio Lower Upper
 149 100
 167 21.4 19.5 29.3
 279 0.0 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 4.53 ng
 RT: 26.29 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BE091735.D
 Acq: 29 Apr 2016 16:02

Tgt Ion:276 Resp: 253966
 Ion Ratio Lower Upper
 276 100
 138 26.1 23.4 35.2
 277 24.7 19.8 29.8

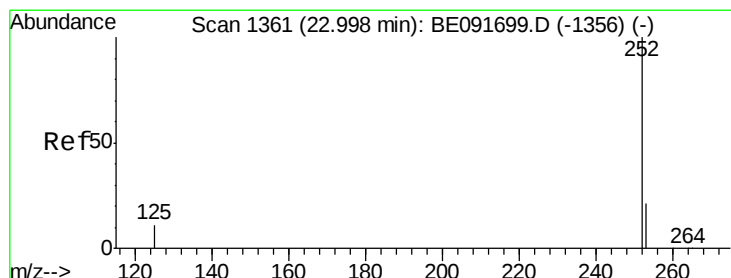
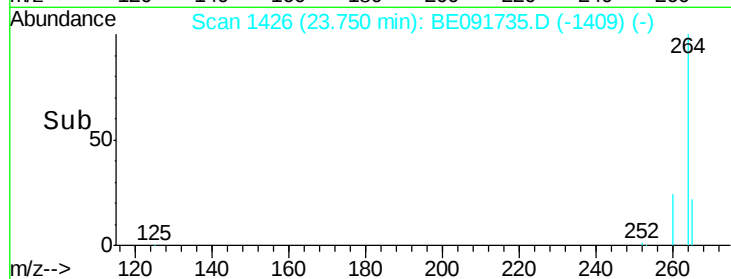
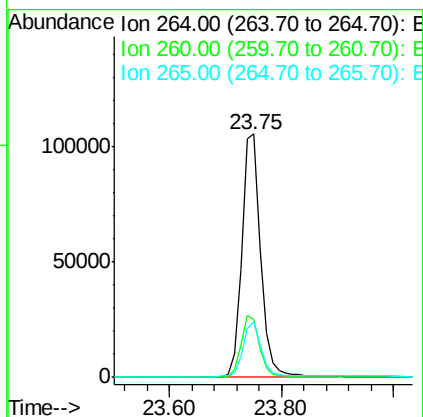
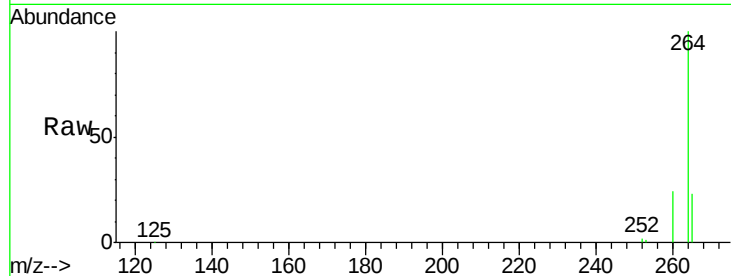




#35
Perylene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BE091735.D
 Acq: 29 Apr 2016 16:02

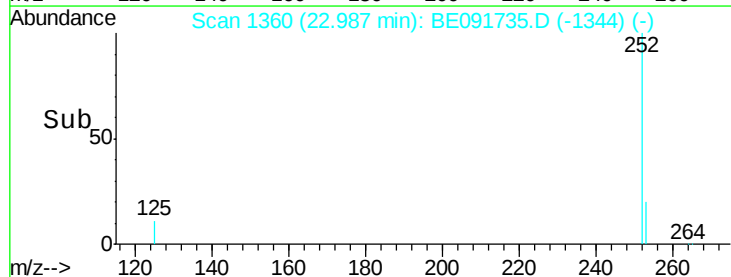
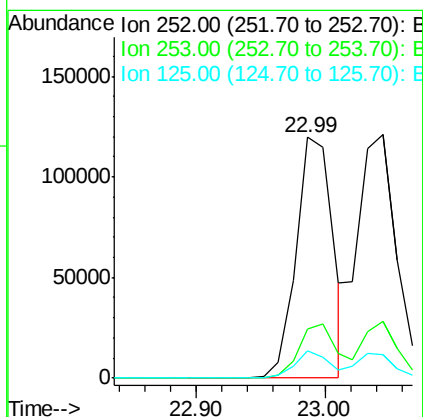
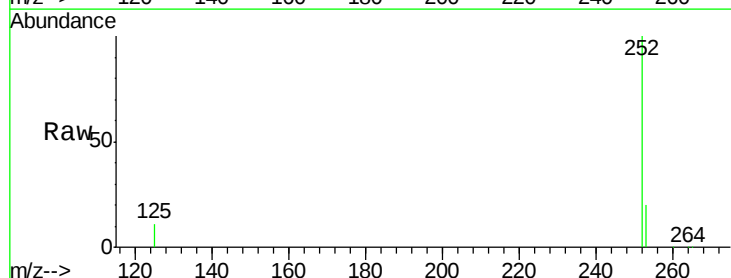
Instrument :
 BNA_E
 ClientSampleId :
 PB90187BSD

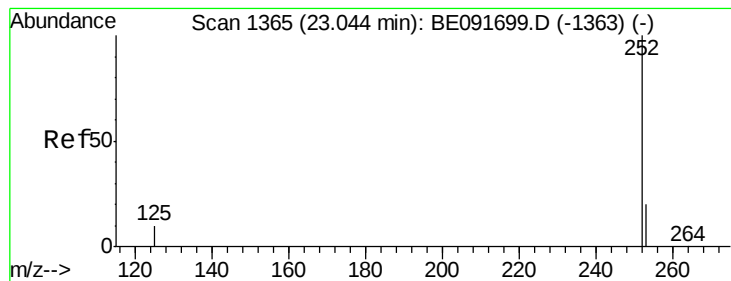
Tgt Ion: 264 Resp: 249329
 Ion Ratio Lower Upper
 264 100
 260 23.8 20.0 30.0
 265 22.8 17.5 26.3



#36
Benzo(b)fluoranthene
 Concen: 4.02 ng
 RT: 22.99 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BE091735.D
 Acq: 29 Apr 2016 16:02

Tgt Ion: 252 Resp: 234733
 Ion Ratio Lower Upper
 252 100
 253 20.4 17.4 26.0
 125 11.1 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 3.95 ng

RT: 22.99 min Scan# 1360

Delta R.T. -0.06 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

Instrument :

BNA_E

ClientSampleId :

PB90187BSD

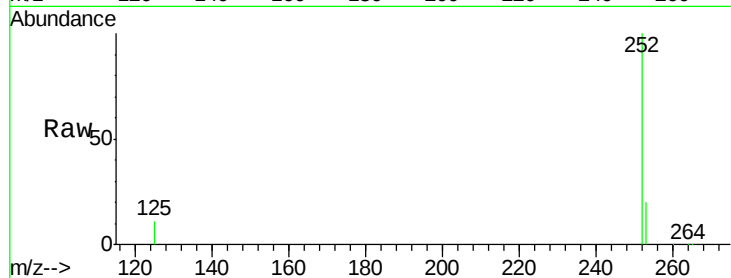
Tgt Ion: 252 Resp: 234733

Ion Ratio Lower Upper

252 100

253 20.4 17.6 26.4

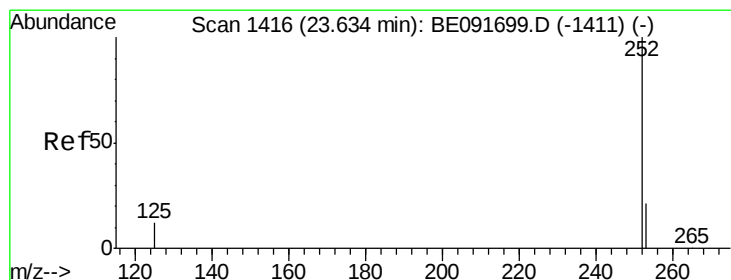
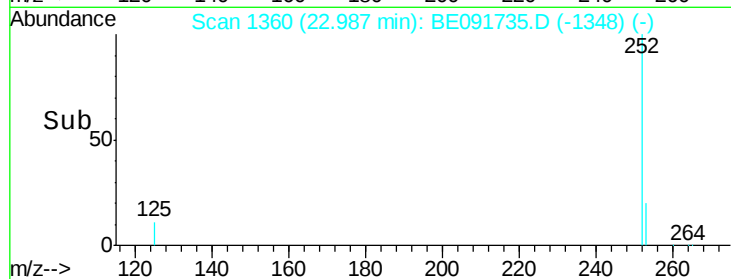
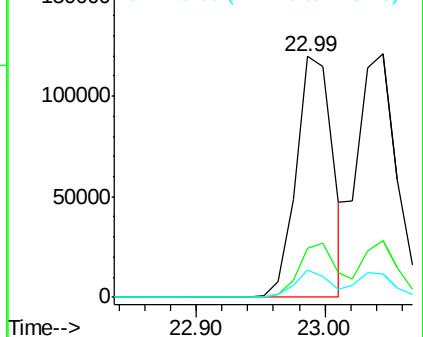
125 11.1 9.9 14.9



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



#38

Benzo(a)pyrene

Concen: 4.06 ng

RT: 23.63 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

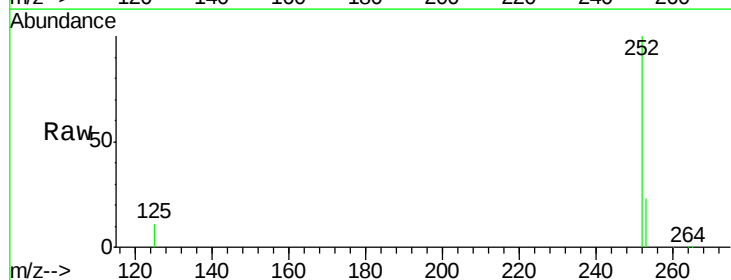
Tgt Ion: 252 Resp: 223601

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

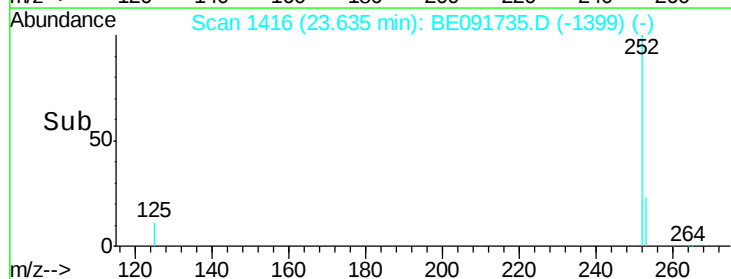
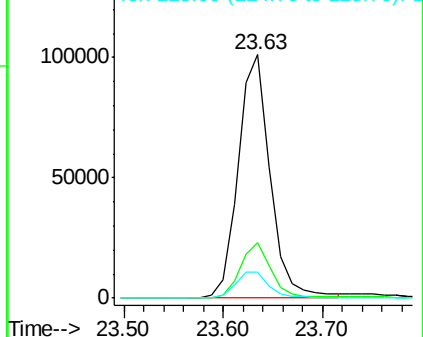
125 10.9 11.0 16.4#

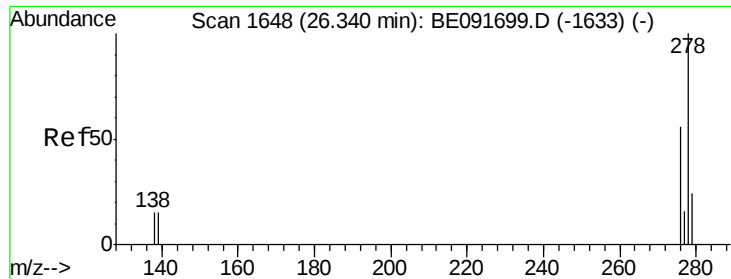


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 4.11 ng

RT: 26.32 min Scan# 1646

Delta R.T. -0.02 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

Instrument :

BNA_E

ClientSampleId :

PB90187BSD

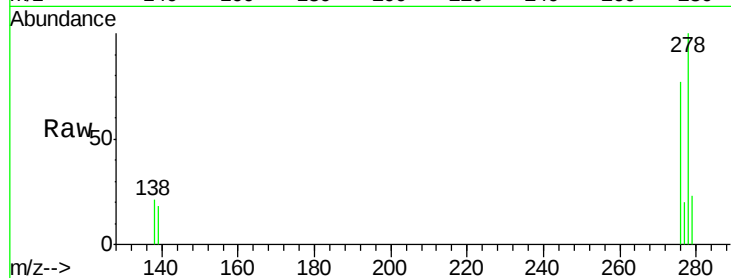
Tgt Ion: 278 Resp: 214177

Ion Ratio Lower Upper

278 100

139 17.6 16.0 24.0

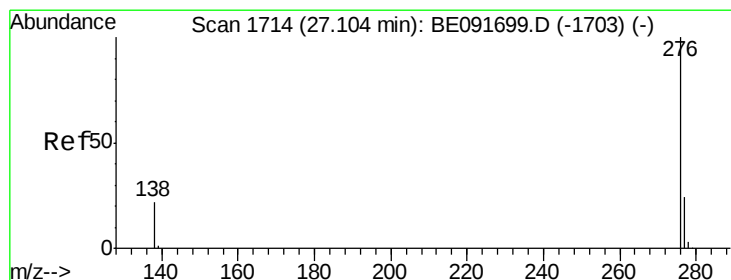
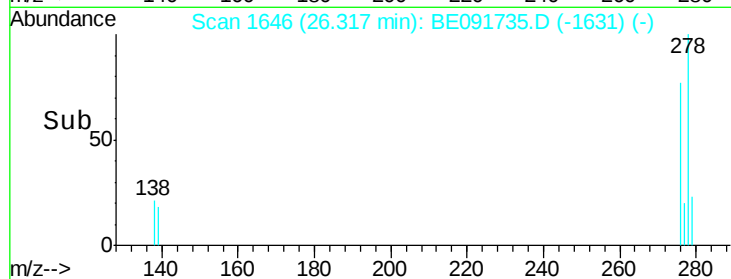
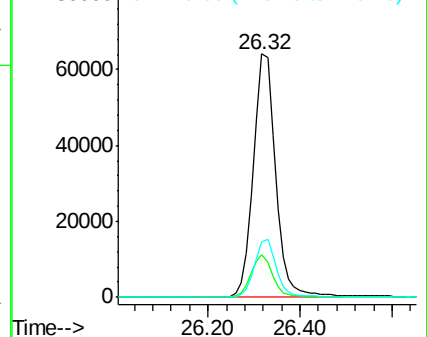
279 23.0 19.4 29.2



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



#40

Benzo(g,h,i)perylene

Concen: 4.05 ng

RT: 27.09 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BE091735.D

Acq: 29 Apr 2016 16:02

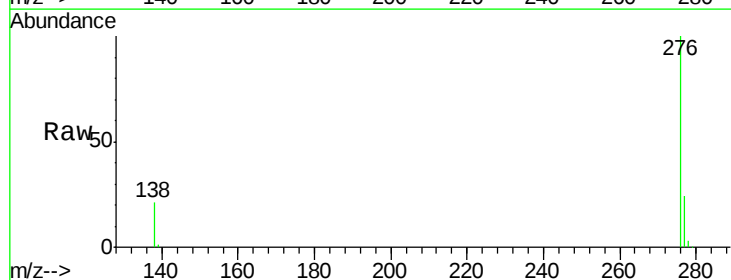
Tgt Ion: 276 Resp: 214797

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 20.9 20.4 30.6



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

