

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042916\
 Data File : BE091734.D
 Acq On : 29 Apr 2016 15:26
 Operator : UM/SJ
 Sample : PB90187BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90187BS

Quant Time: Apr 29 23:06:22 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	36018	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	169587	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	99945	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	239236	5.00	ng	0.00
26) Chrysene-d12	21.31	240	257467	5.00	ng	0.00
35) Perylene-d12	23.75	264	264481	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	53458	6.04	ng	0.00
5) Phenol-d6	6.96	99	78045	6.65	ng	0.00
8) Nitrobenzene-d5	8.95	82	35903	3.28	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	25057	6.76	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	106432	3.77	ng	0.00
29) Terphenyl-d14	19.76	244	174792	4.35	ng	0.00

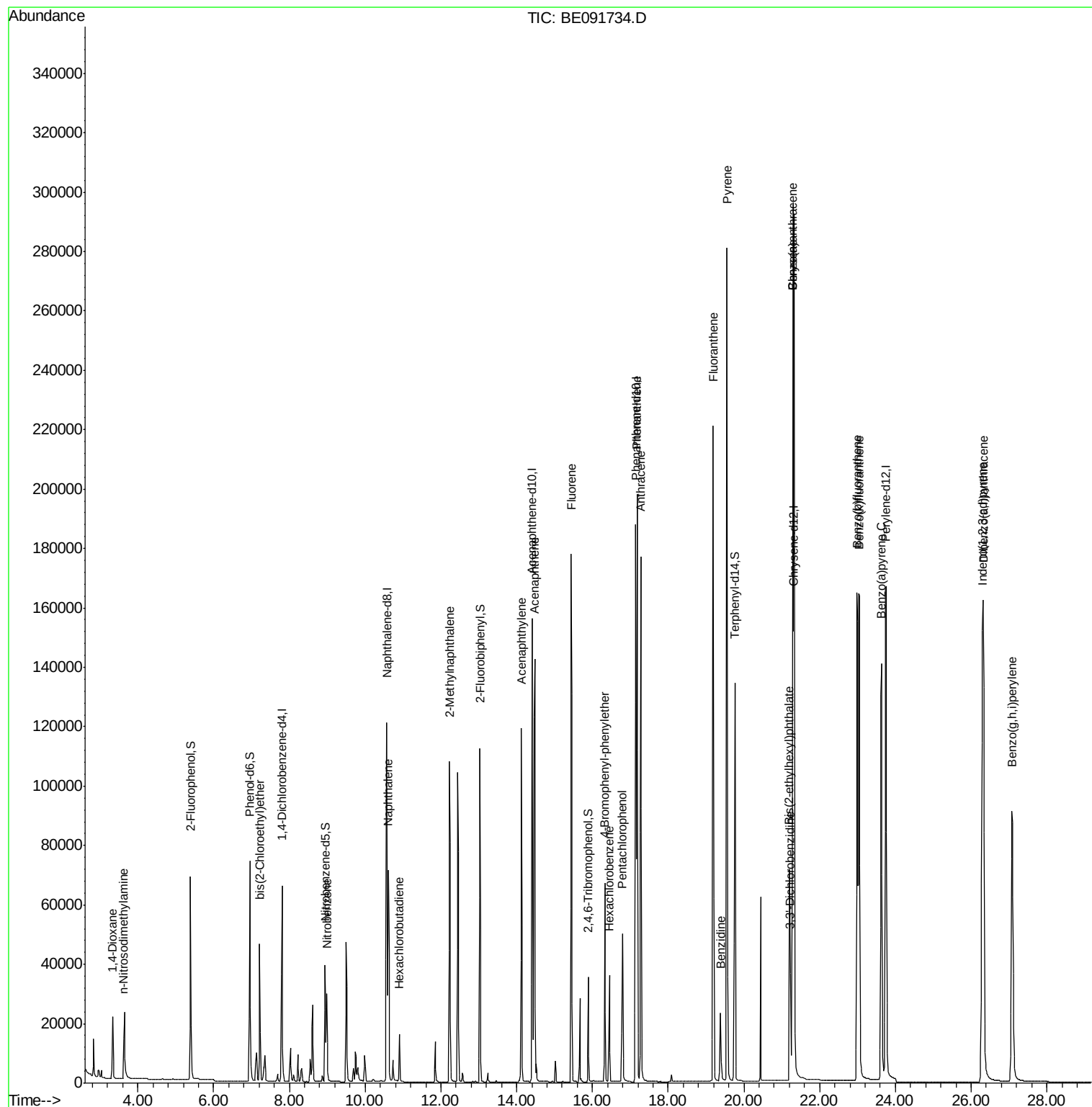
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	13032	3.07	ng	93
3) n-Nitrosodimethylamine	3.63	42	20888	3.19	ng	# 87
6) bis(2-Chloroethyl)ether	7.21	93	33501	3.25	ng	# 75
9) Nitrobenzene	8.99	77	36859	3.22	ng	94
10) Naphthalene	10.61	128	113755	3.32	ng	97
11) Hexachlorobutadiene	10.90	225	17697	3.50	ng	98
12) 2-Methylnaphthalene	12.22	142	81539	3.70	ng	95
16) Acenaphthylene	14.12	152	146926	3.82	ng	# 86
17) Acenaphthene	14.47	154	93820	3.76	ng	96
18) Fluorene	15.45	166	114995	3.71	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	32877	3.82	ng	95
21) Hexachlorobenzene	16.45	284	32443	3.77	ng	95
22) Pentachlorophenol	16.79	266	34142	7.35	ng	89
23) Phenanthrene	17.18	178	211746	3.90	ng	100
24) Anthracene	17.27	178	198617	4.05	ng	98
25) Fluoranthene	19.19	202	231311	4.07	ng	97
27) Benzidine	19.38	184	35622	1.85	ng	# 77
28) Pyrene	19.55	202	269272	4.63	ng	99
30) Benzo(a)anthracene	21.29	228	239328	3.81	ng	# 91
31) 3,3'-Dichlorobenzidine	21.22	252	28692	0.89	ng	# 85
32) Chrysene	21.29	228	239342	3.66	ng	# 87
33) Bis(2-ethylhexyl)phthalate	21.20	149	92565	4.86	ng	# 85
34) Indeno(1,2,3-cd)pyrene	26.29	276	259271	4.46	ng	97
36) Benzo(b)fluoranthene	22.99	252	240842	3.89	ng	96
37) Benzo(k)fluoranthene	23.03	252	262031	4.16	ng	97
38) Benzo(a)pyrene	23.63	252	230103	3.94	ng	# 97
39) Dibenzo(a,h)anthracene	26.32	278	219056	3.96	ng	96
40) Benzo(g,h,i)perylene	27.08	276	220489	3.92	ng	97

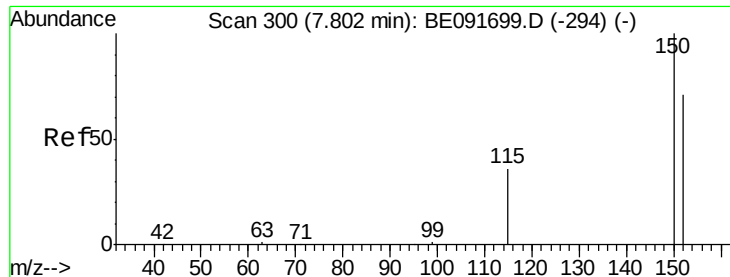
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091734.D

Acq: 29 Apr 2016 15:26

Instrument :

BNA_E

ClientSampleId :

PB90187BS

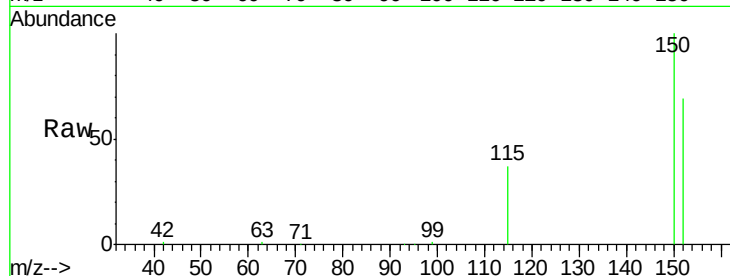
Tgt Ion:152 Resp: 36018

Ion Ratio Lower Upper

152 100

150 145.8 122.6 183.8

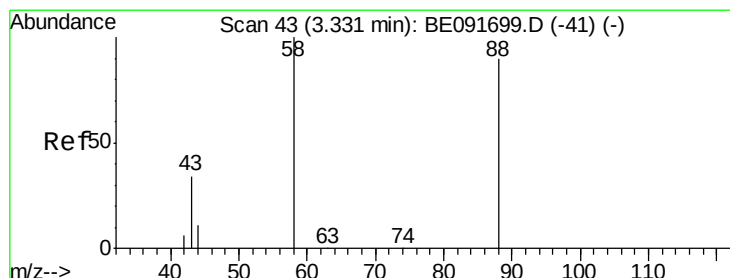
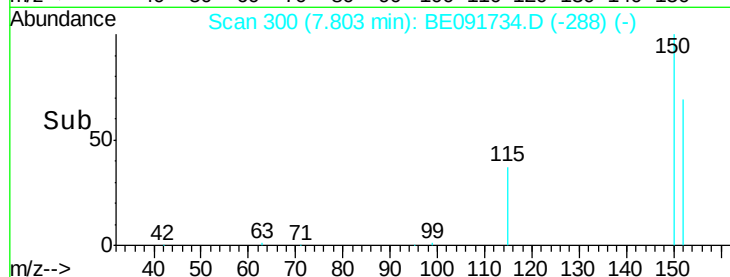
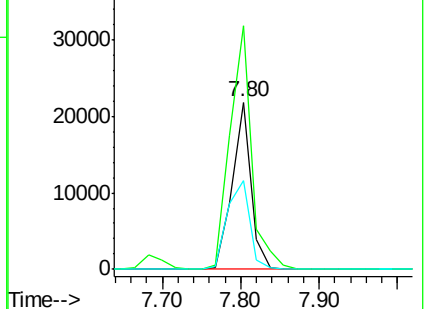
115 53.5 52.8 79.2



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: 3.07 ng

RT: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

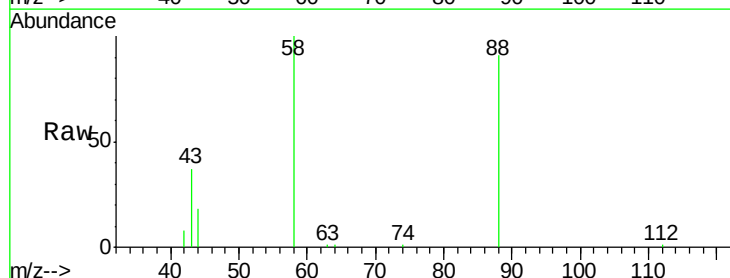
Tgt Ion: 88 Resp: 13032

Ion Ratio Lower Upper

88 100

58 87.9 65.8 98.6

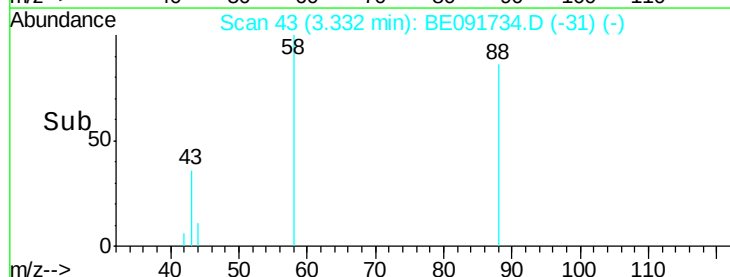
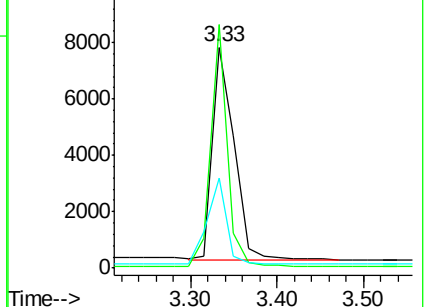
43 36.5 25.3 37.9

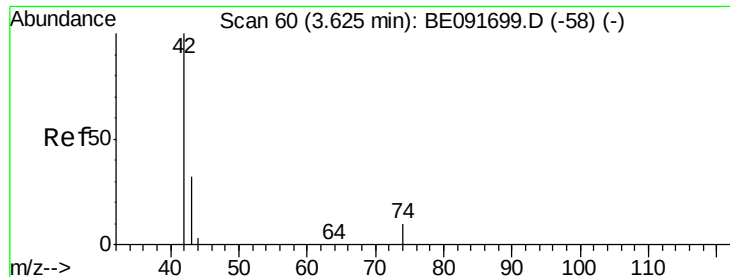


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.19 ng

RT: 3.63 min Scan# 60

Delta R.T. 0.00 min

Lab File: BE091734.D

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Instrument :

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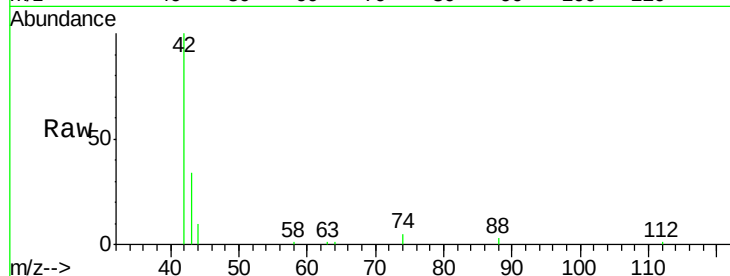
Tgt Ion: 42 Resp: 20888

Ion Ratio Lower Upper

42 100

74 96.1 87.9 131.9

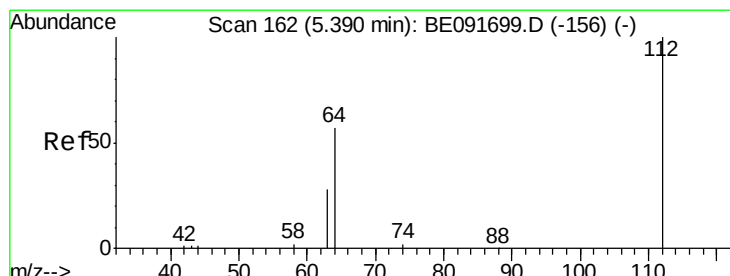
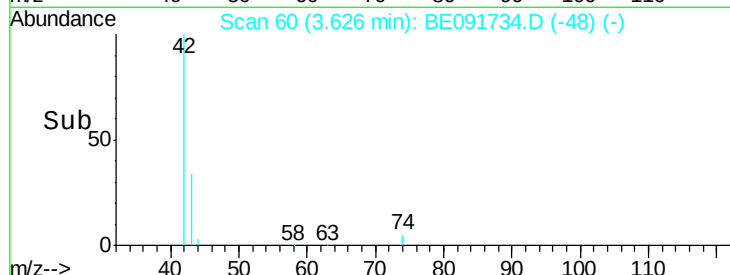
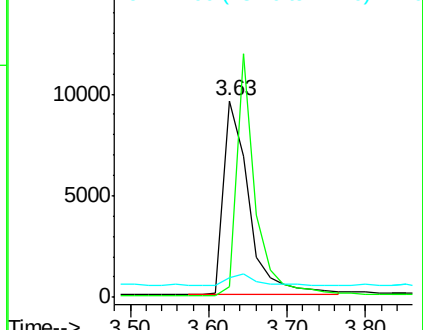
44 5.8 6.6 9.8#



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: 6.04 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

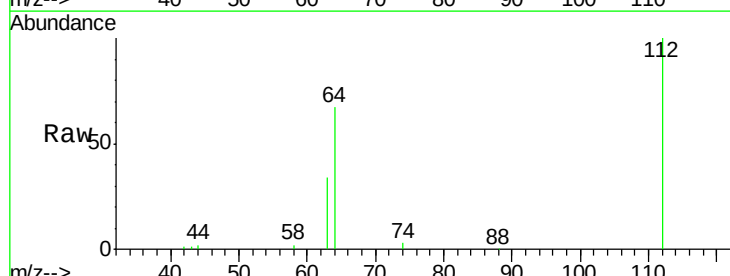
Tgt Ion: 112 Resp: 53458

Ion Ratio Lower Upper

112 100

64 67.2 30.9 46.3#

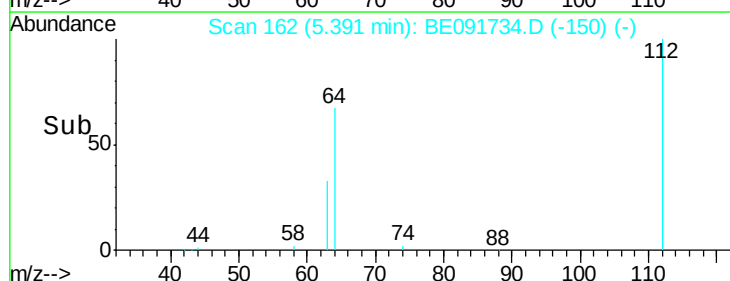
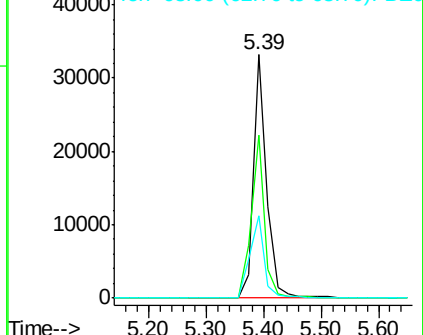
63 36.5 16.7 25.1#

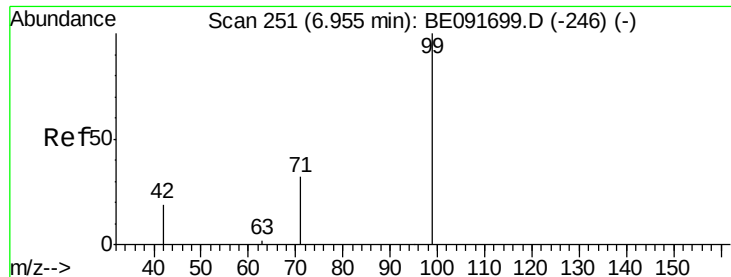


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.65 ng

RT: 6.96 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

Instrument :

BNA_E

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PB90187BS

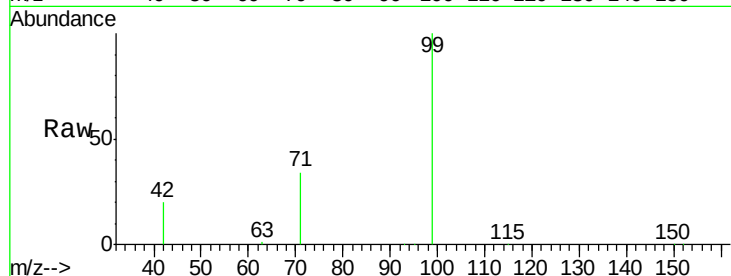
Tgt Ion: 99 Resp: 78045

Ion Ratio Lower Upper

99 100

42 25.5 16.2 24.2#

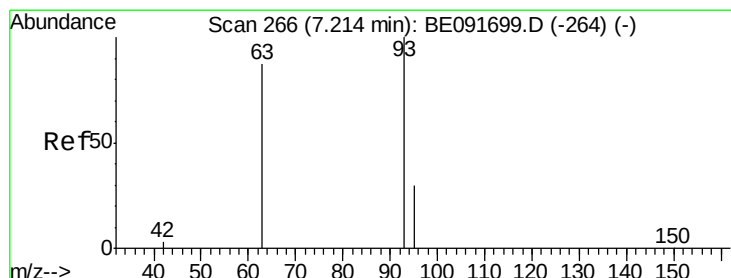
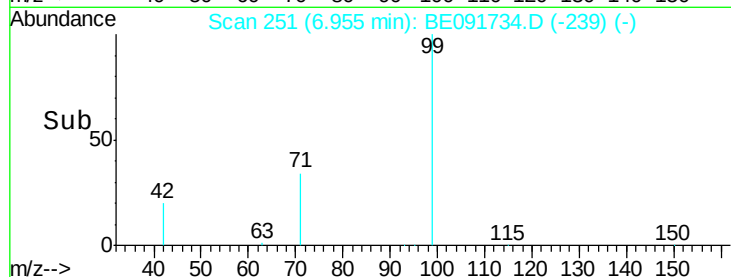
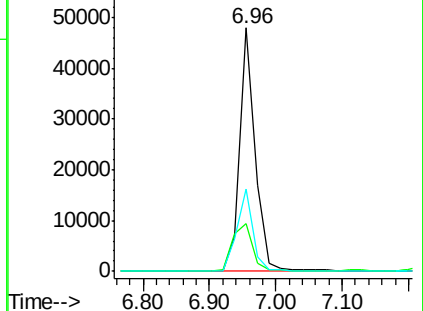
71 35.2 29.0 43.4



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: 3.25 ng

RT: 7.21 min Scan# 266

Delta R.T. 0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

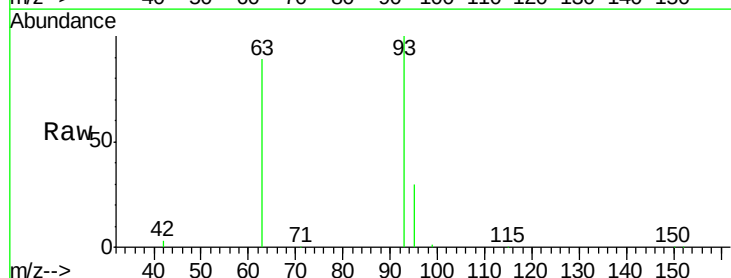
Tgt Ion: 93 Resp: 33501

Ion Ratio Lower Upper

93 100

63 86.1 49.5 74.3#

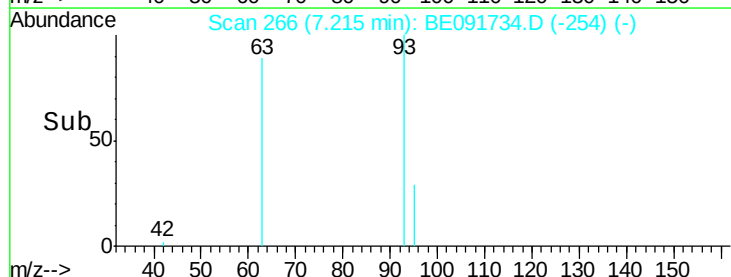
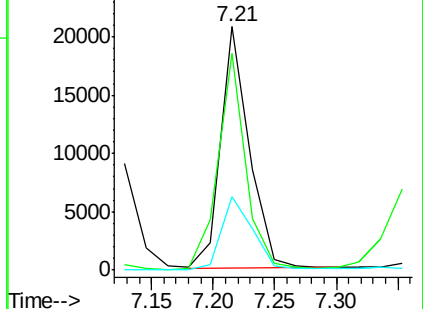
95 32.7 22.2 33.4

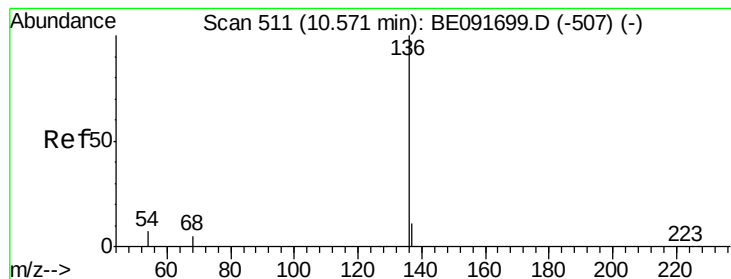


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE091734.D

Acq: 29 Apr 2016 15:26

Instrument :

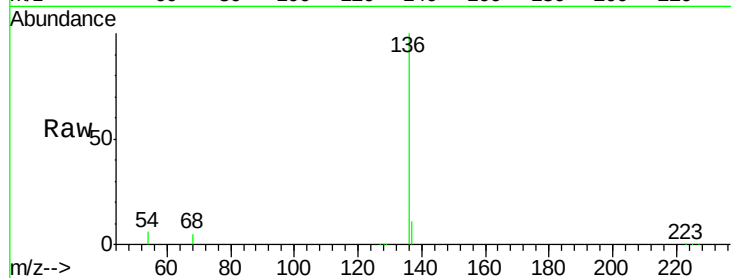
BNA_E

ClientSampleId :

PB90187BS

Tgt Ion: 136 Resp: 169587

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.5	8.2	12.4#
68	4.9	6.2	9.4#



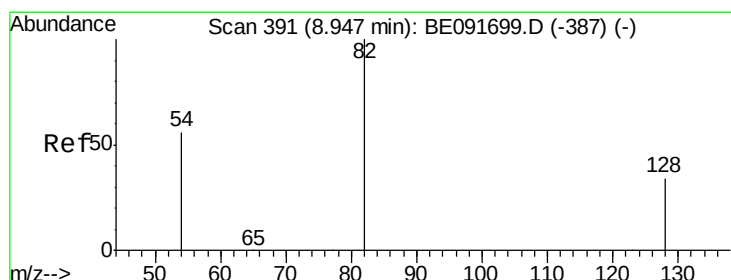
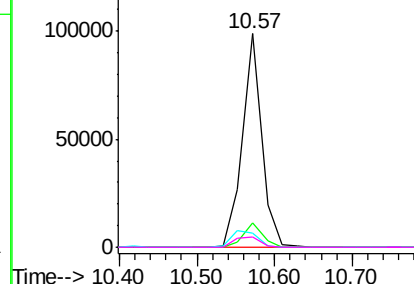
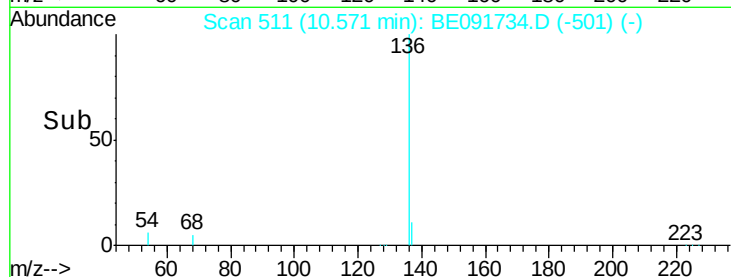
Abundance

Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 3.28 ng

RT: 8.95 min Scan# 391

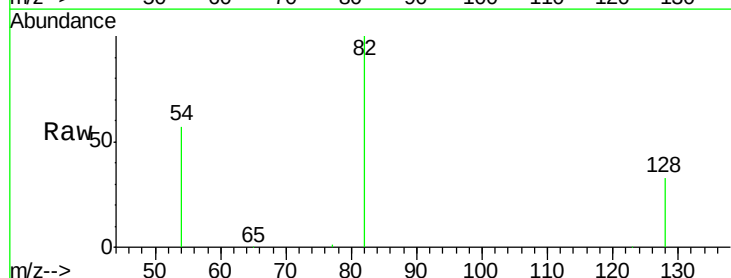
Delta R.T. -0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

Tgt Ion: 82 Resp: 35903

Ion	Ratio	Lower	Upper
82	100		
128	32.8	25.4	38.0
54	56.7	48.4	72.6

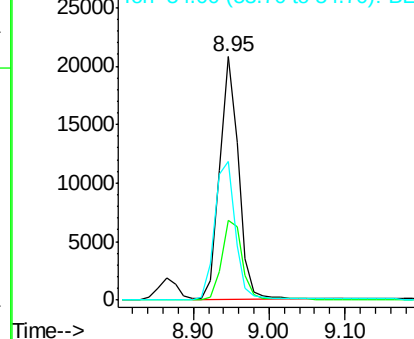
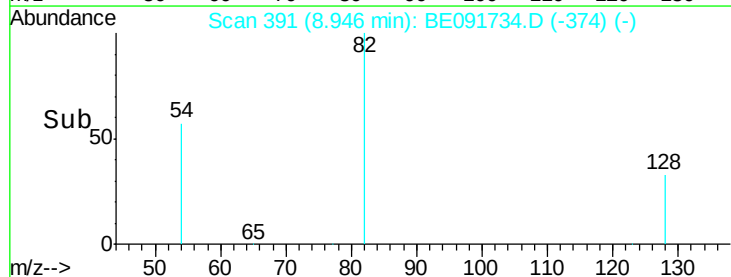


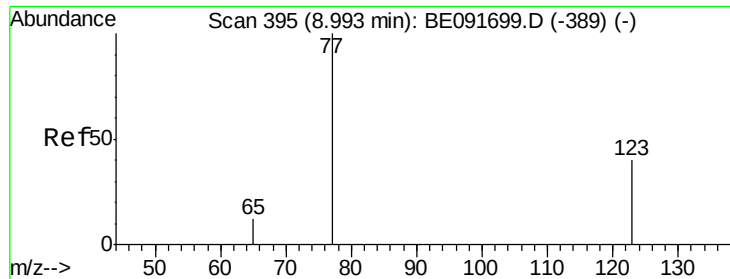
Abundance

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

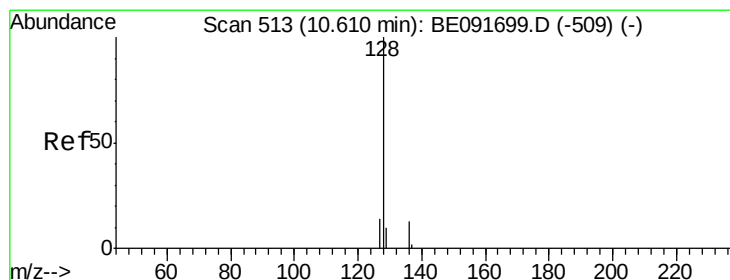
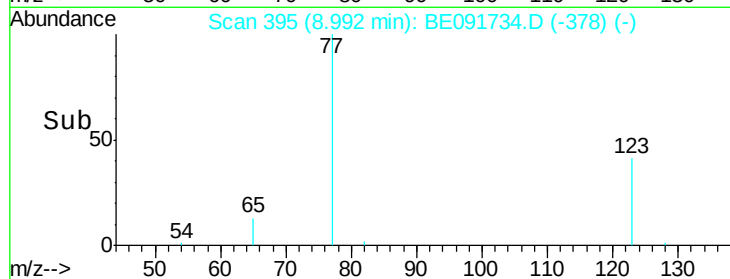
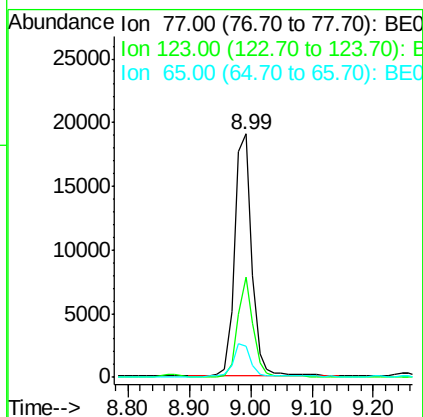
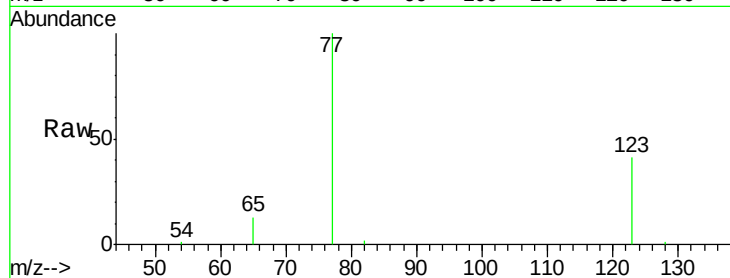




#9
Nitrobenzene
Concen: 3.22 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.00 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

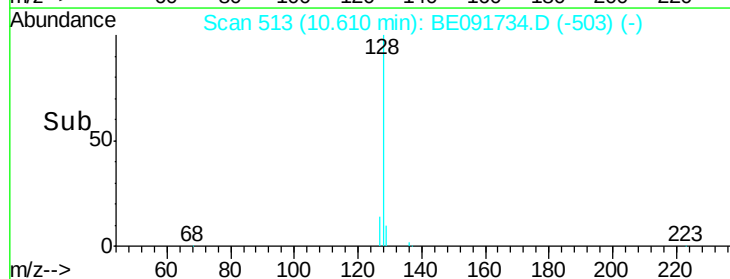
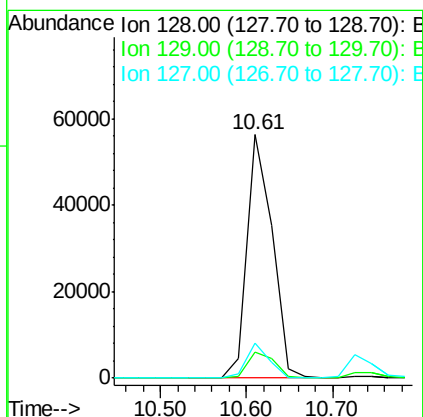
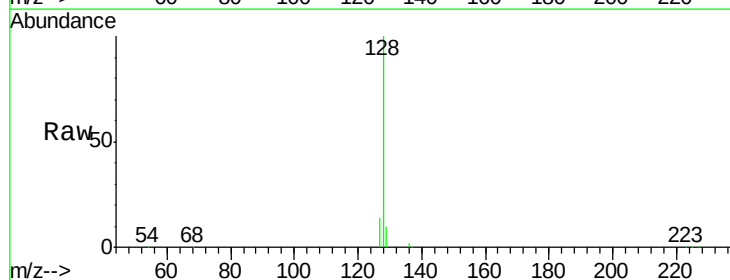
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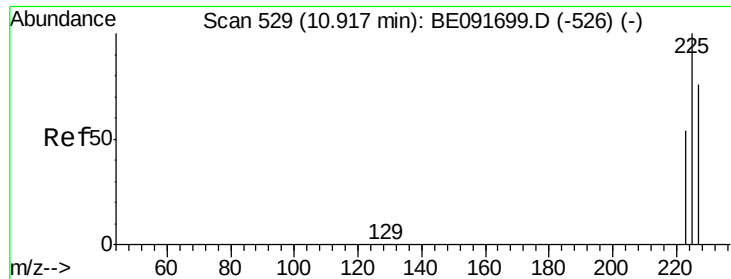
Tgt Ion: 77 Resp: 36859
Ion Ratio Lower Upper
77 100
123 37.1 26.9 40.3
65 13.9 9.4 14.2



#10
Naphthalene
Concen: 3.32 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

Tgt Ion: 128 Resp: 113755
Ion Ratio Lower Upper
128 100
129 10.5 9.3 13.9
127 14.3 10.7 16.1

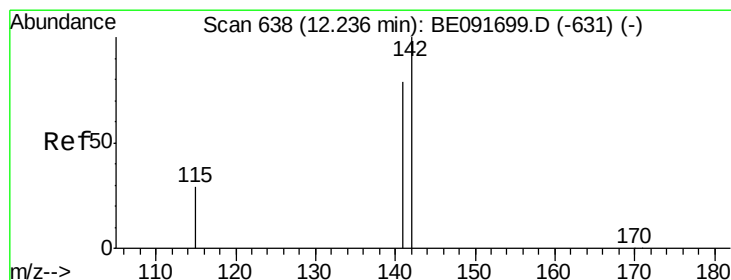
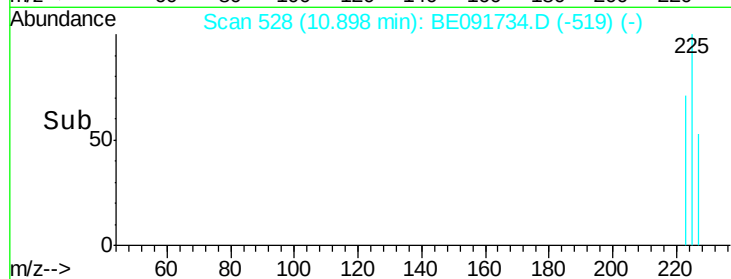
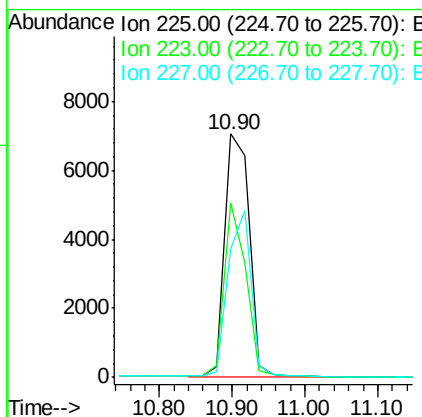
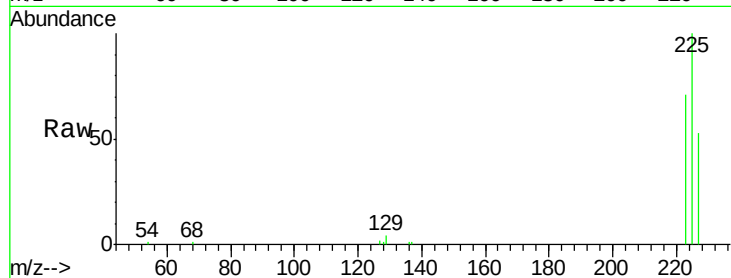




#11
Hexachlorobutadiene
Concen: 3.50 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

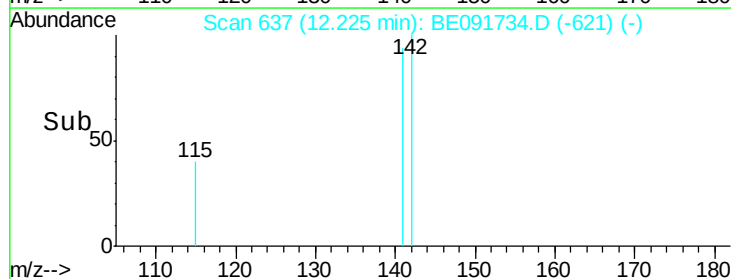
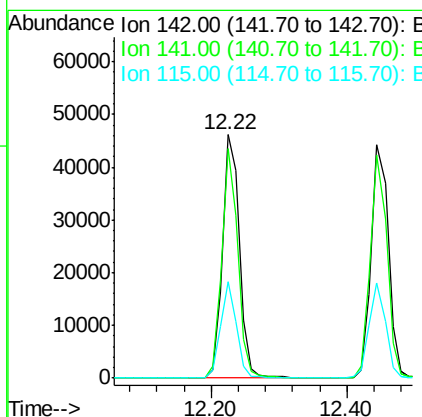
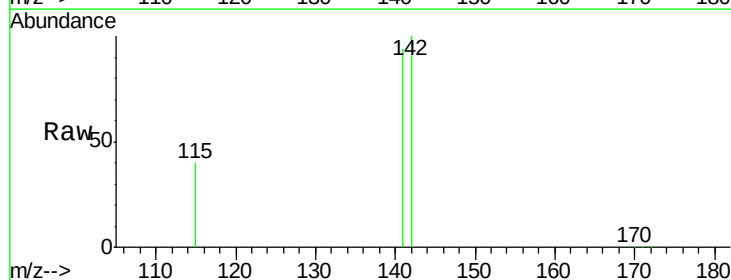
Instrument :
BNA_E
ClientSampleId :
PB90187BS

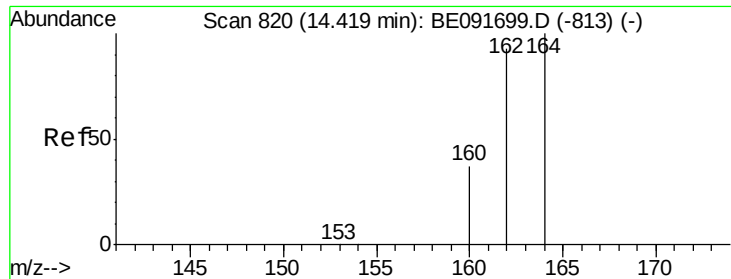
Tgt Ion: 225 Resp: 17697
Ion Ratio Lower Upper
225 100
223 63.4 49.0 73.6
227 64.5 50.3 75.5



#12
2-Methylnaphthalene
Concen: 3.70 ng
RT: 12.22 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

Tgt Ion: 142 Resp: 81539
Ion Ratio Lower Upper
142 100
141 94.3 71.4 107.0
115 39.8 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: BE091734.D

Acq: 29 Apr 2016 15:26

Instrument :

BNA_E

ClientSampleId :

PB90187BS

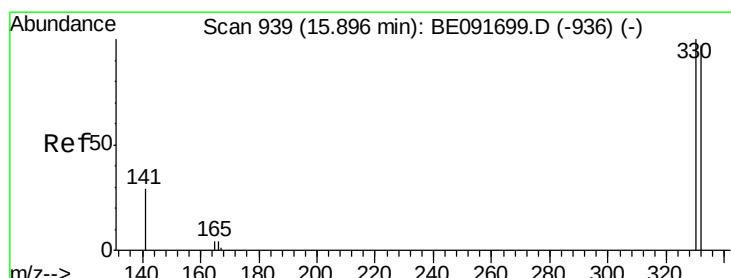
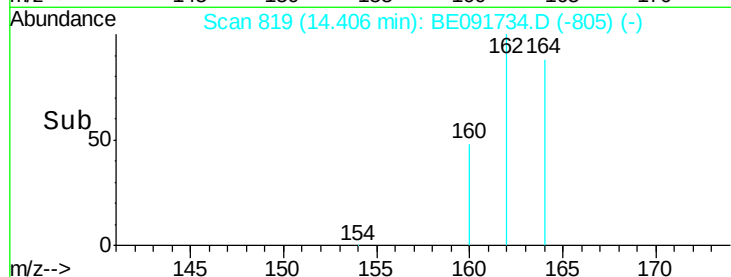
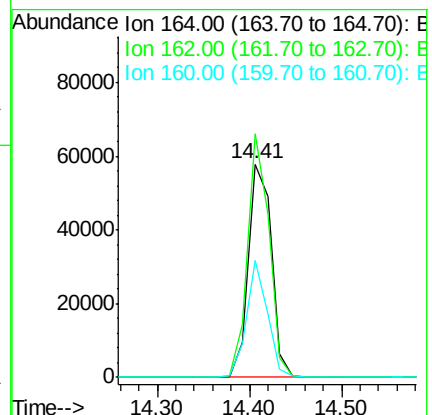
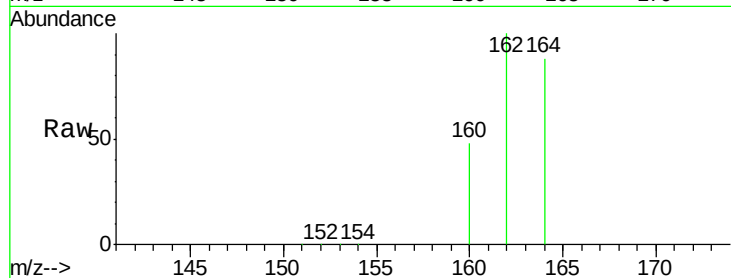
Tgt Ion:164 Resp: 99945

Ion Ratio Lower Upper

164 100

162 114.0 85.3 127.9

160 54.9 46.2 69.2



#14

2,4,6-Tribromophenol

Concen: 6.76 ng

RT: 15.90 min Scan# 939

Delta R.T. 0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

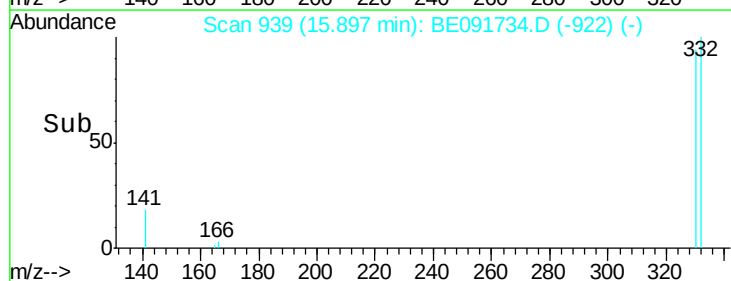
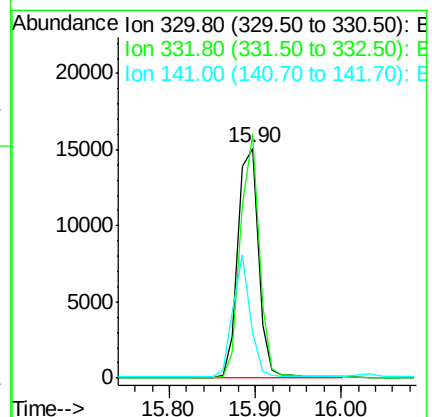
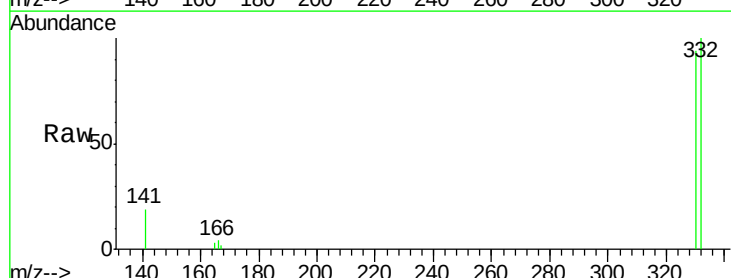
Tgt Ion:330 Resp: 25057

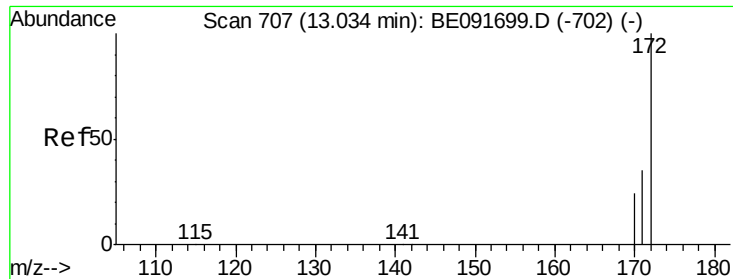
Ion Ratio Lower Upper

330 100

332 96.5 79.1 118.7

141 45.5 125.4 188.0#

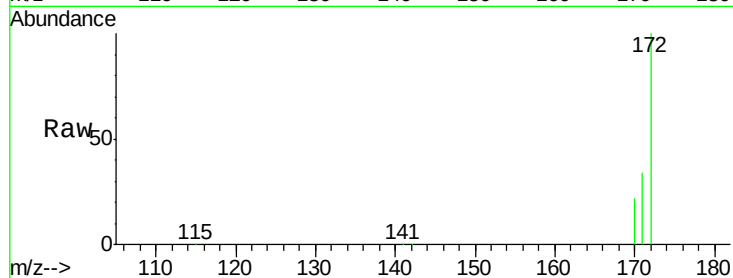




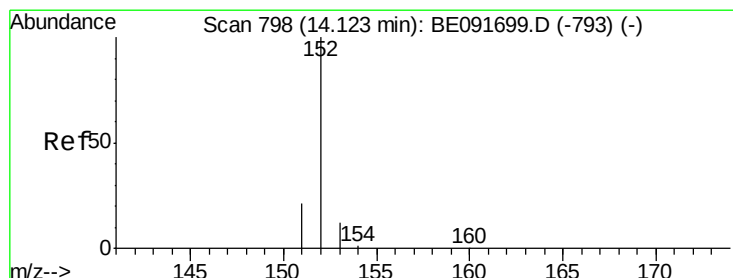
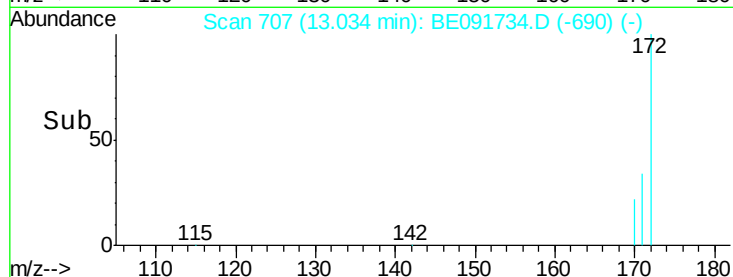
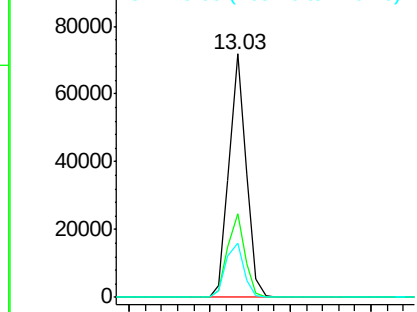
#15
2-Fluorobiphenyl
Concen: 3.77 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

Instrument :
BNA_E
ClientSampleId :
PB90187BS

Tgt Ion:172 Resp: 106432
Ion Ratio Lower Upper
172 100
171 34.1 28.8 43.2
170 22.2 19.3 28.9

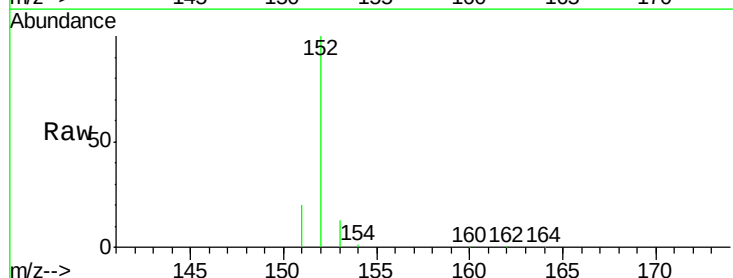


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

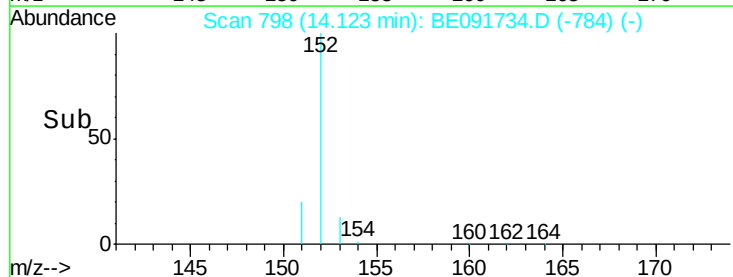
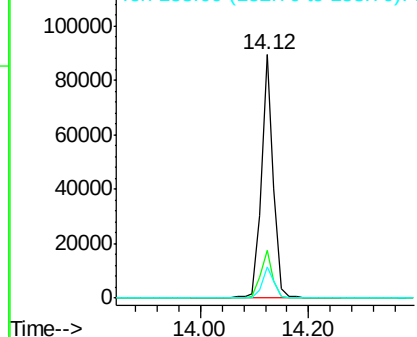


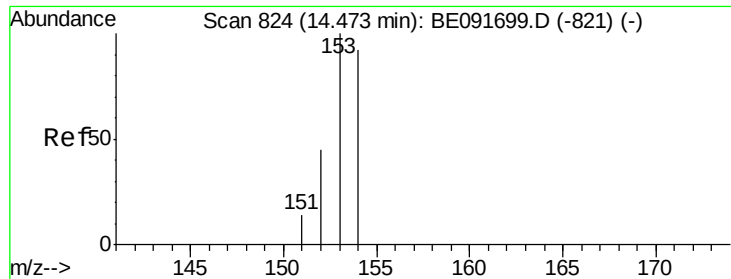
#16
Acenaphthylene
Concen: 3.82 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

Tgt Ion:152 Resp: 146926
Ion Ratio Lower Upper
152 100
151 20.0 3.9 5.9#
153 13.6 10.3 15.5



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

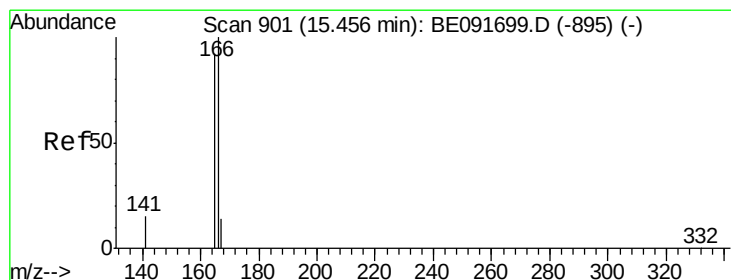
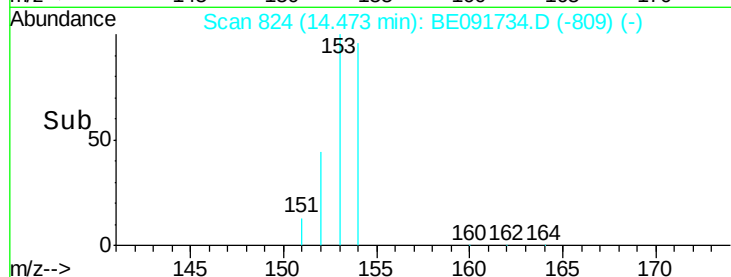
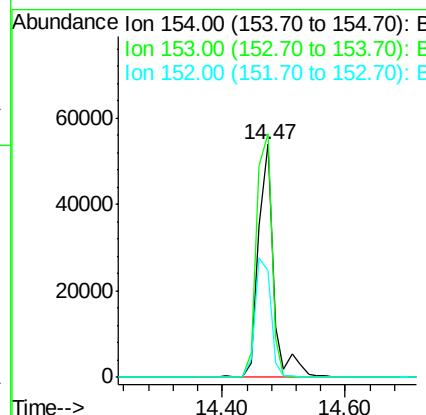
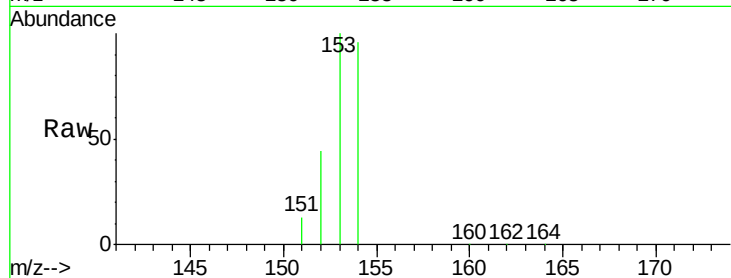




#17
Acenaphthene
Concen: 3.76 ng
RT: 14.47 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

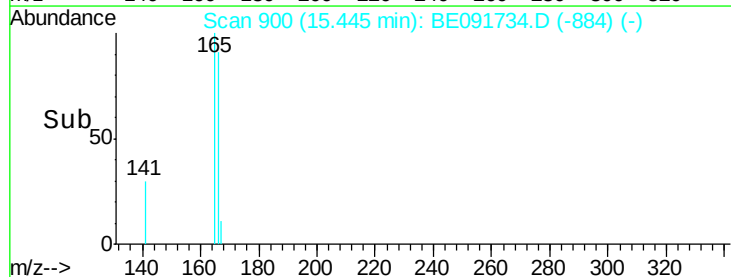
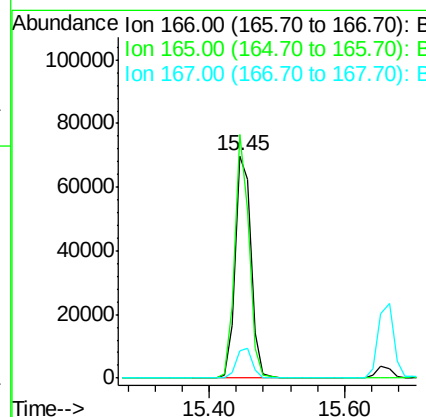
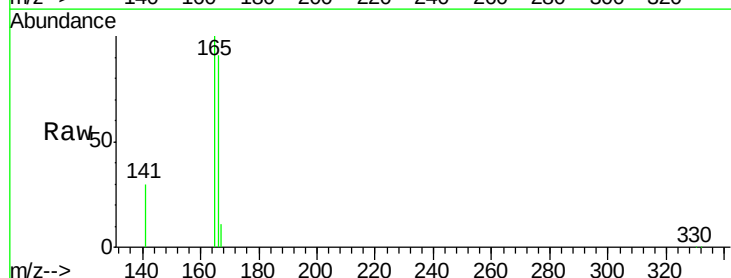
Instrument :
BNA_E
ClientSampleId :
PB90187BS

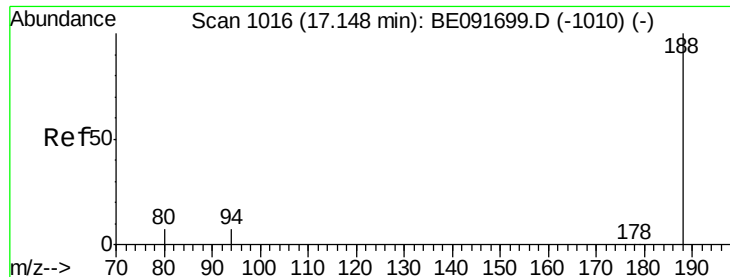
Tgt Ion:154 Resp: 93820
Ion Ratio Lower Upper
154 100
153 104.1 80.0 120.0
152 51.9 40.0 60.0



#18
Fluorene
Concen: 3.71 ng
RT: 15.45 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

Tgt Ion:166 Resp: 114995
Ion Ratio Lower Upper
166 100
165 99.6 80.8 121.2
167 13.5 10.9 16.3

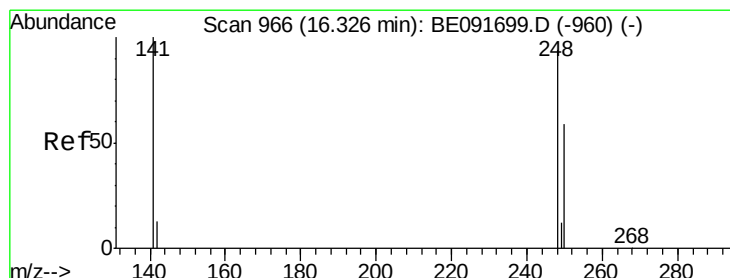
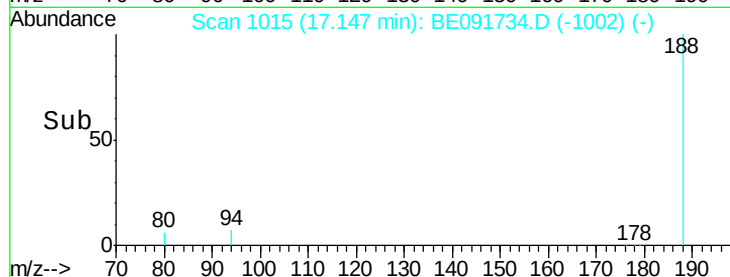
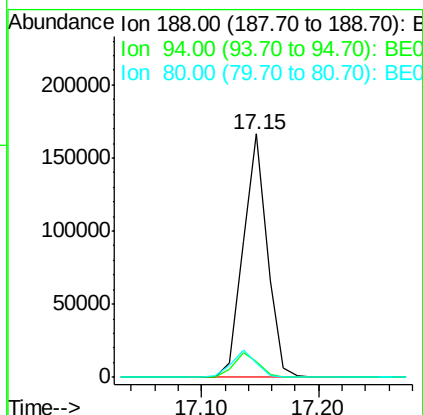
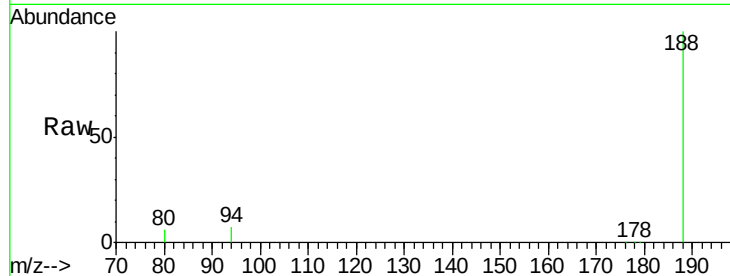




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

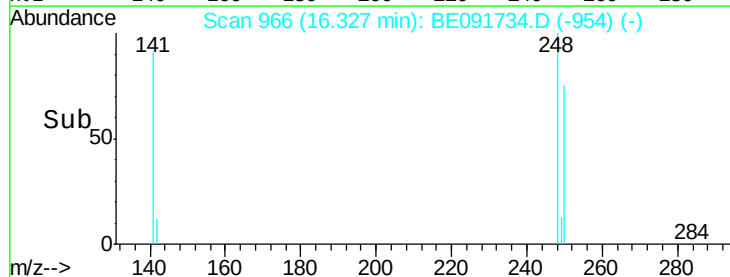
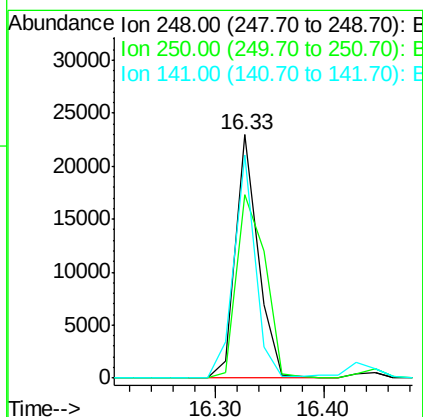
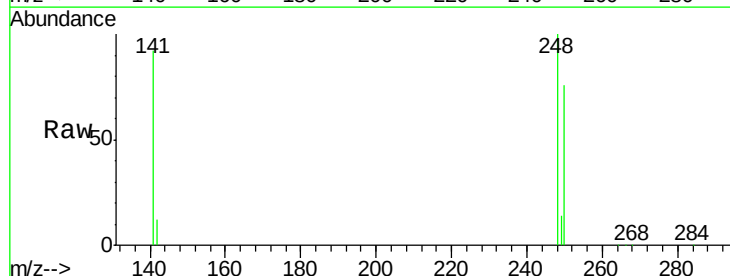
Instrument :
BNA_E
ClientSampleId :
PB90187BS

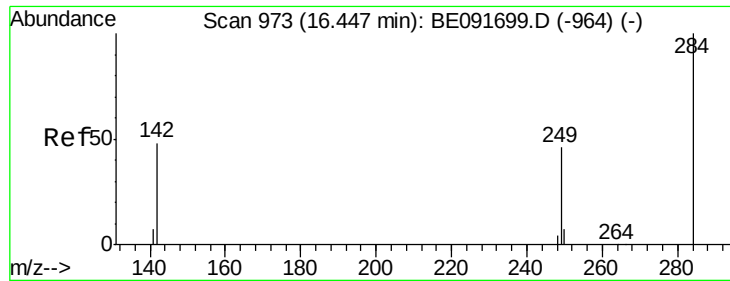
Tgt Ion:188 Resp: 239236
Ion Ratio Lower Upper
188 100
94 6.7 8.7 13.1#
80 6.0 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 3.82 ng
RT: 16.33 min Scan# 966
Delta R.T. 0.00 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

Tgt Ion:248 Resp: 32877
Ion Ratio Lower Upper
248 100
250 95.5 80.5 120.7
141 86.3 72.0 108.0

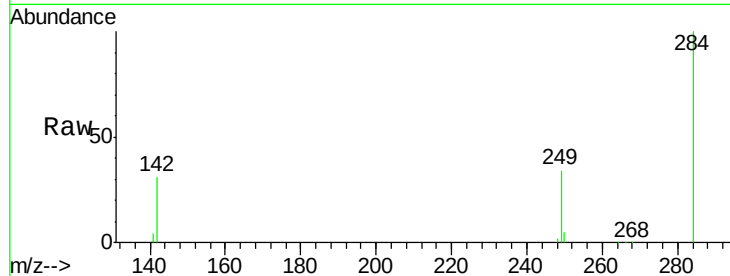




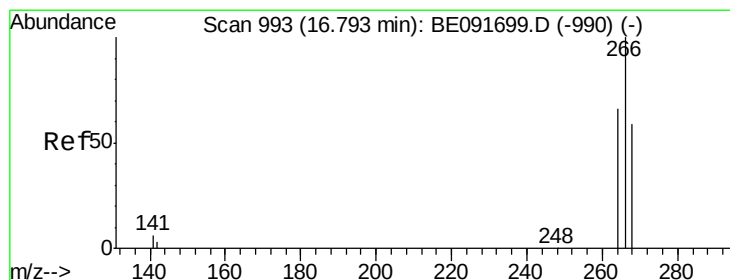
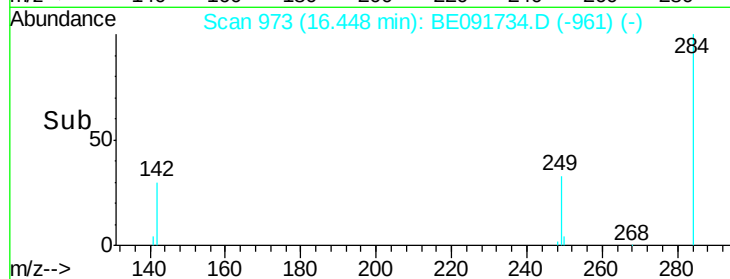
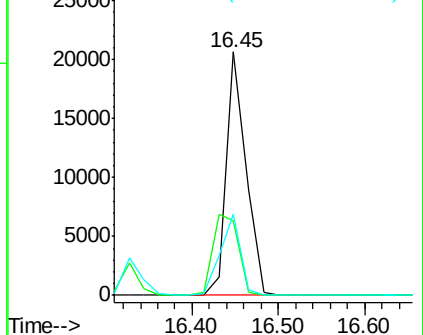
#21
Hexachlorobenzene
Concen: 3.77 ng
RT: 16.45 min Scan# 973
Delta R.T. 0.00 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

Instrument :
BNA_E
ClientSampleId :
PB90187BS

Tgt Ion: 284 Resp: 32443
Ion Ratio Lower Upper
284 100
142 43.4 32.2 48.2
249 34.2 25.4 38.2

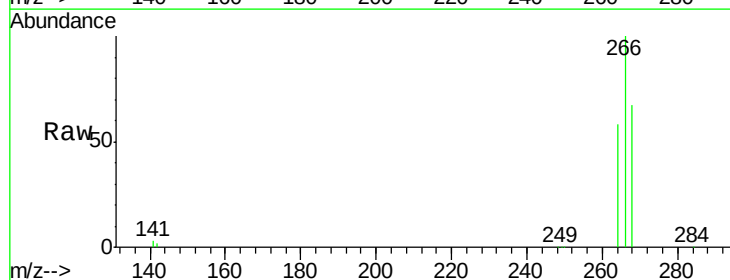


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

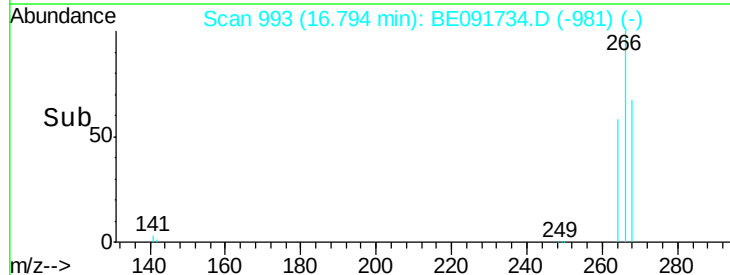
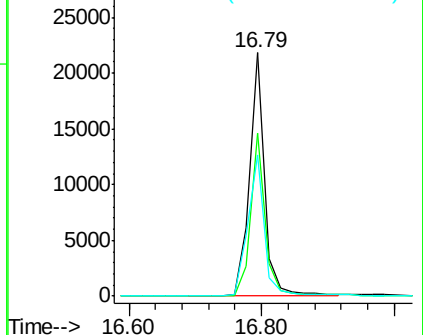


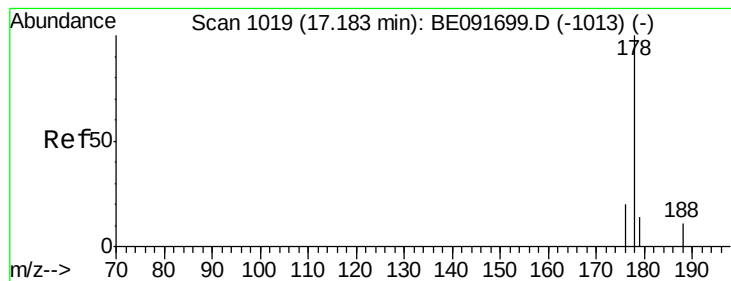
#22
Pentachlorophenol
Concen: 7.35 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

Tgt Ion: 266 Resp: 34142
Ion Ratio Lower Upper
266 100
268 67.2 58.2 87.2
264 57.8 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: 3.90 ng

RT: 17.18 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

Instrument :

BNA_E

ClientSampleId :

PB90187BS

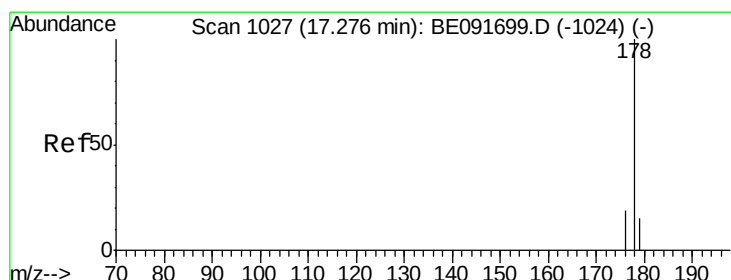
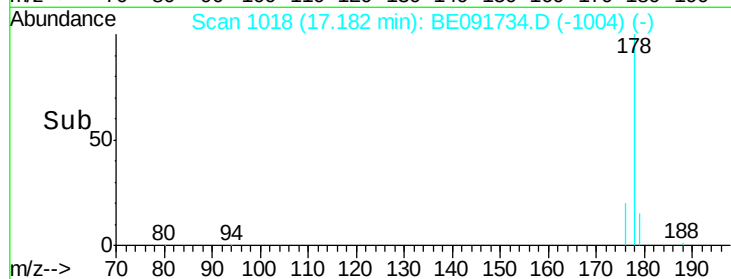
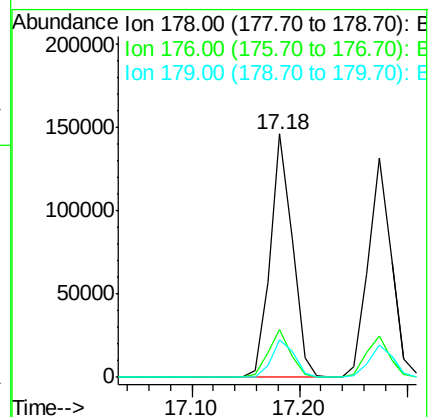
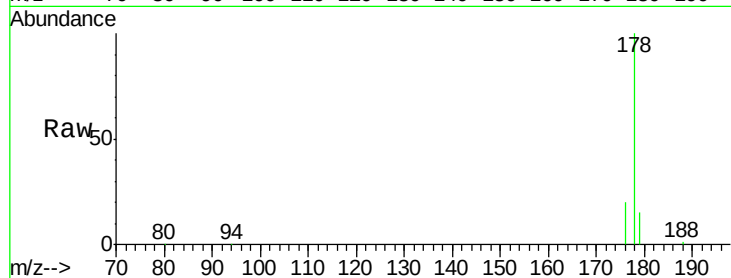
Tgt Ion:178 Resp: 211746

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.6 12.6 18.8



#24

Anthracene

Concen: 4.05 ng

RT: 17.27 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

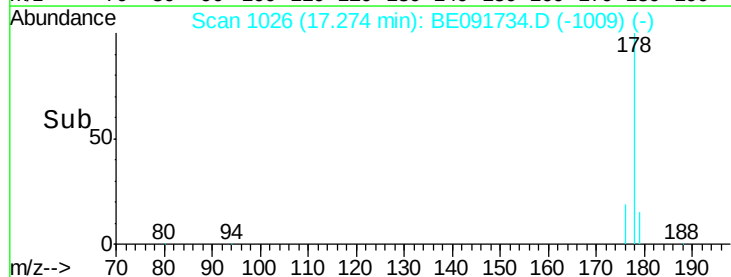
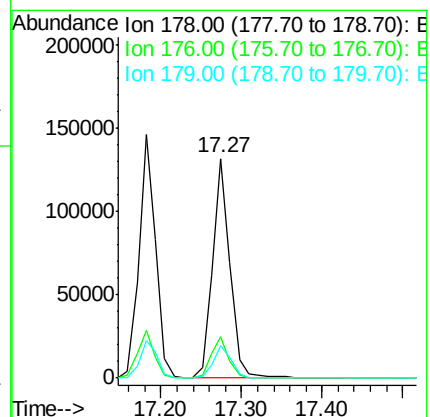
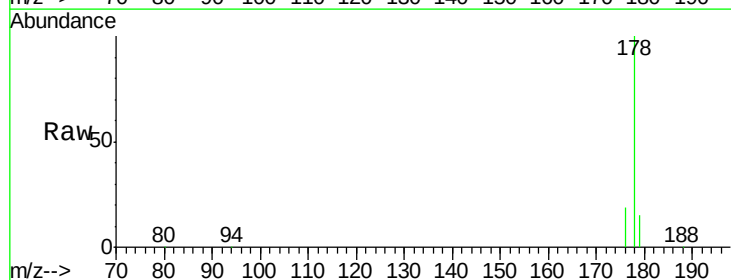
Tgt Ion:178 Resp: 198617

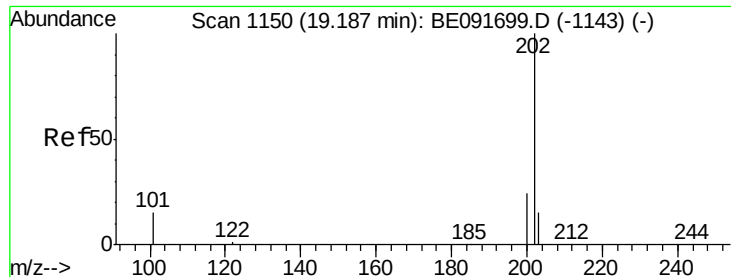
Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

179 15.6 11.8 17.6





#25

Fluoranthene

Concen: 4.07 ng

RT: 19.19 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

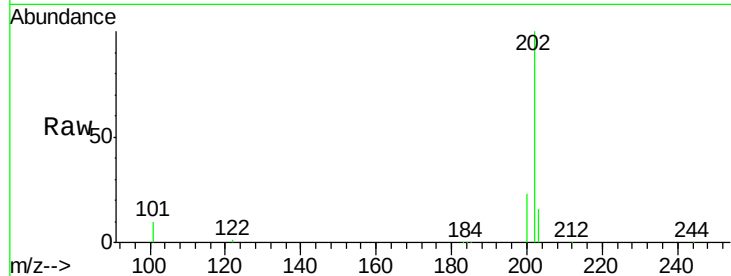
Instrument :

BNA_E

ClientSampleId :

PB90187BS

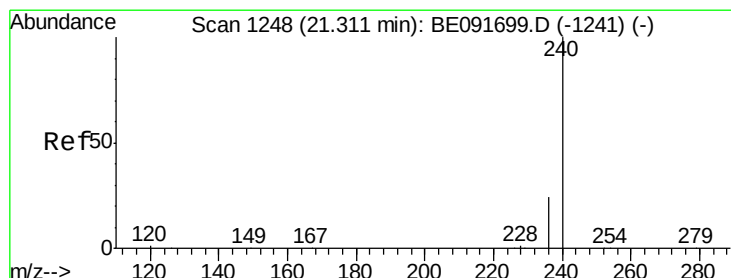
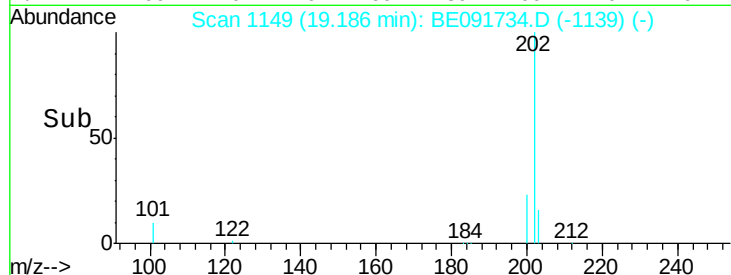
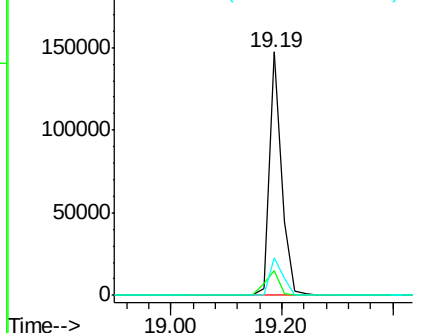
Tgt Ion:	202	Resp:	231311
Ion	Ratio	Lower	Upper
202	100		
101	11.5	11.0	16.6
203	17.4	13.9	20.9



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

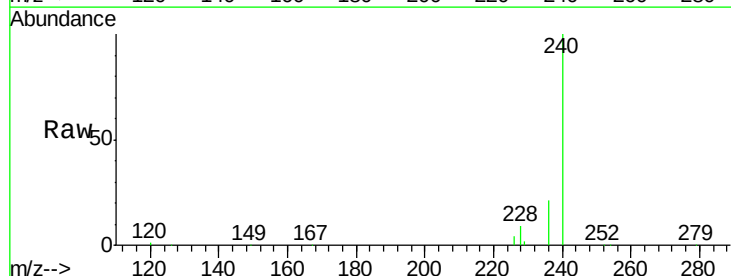
RT: 21.31 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

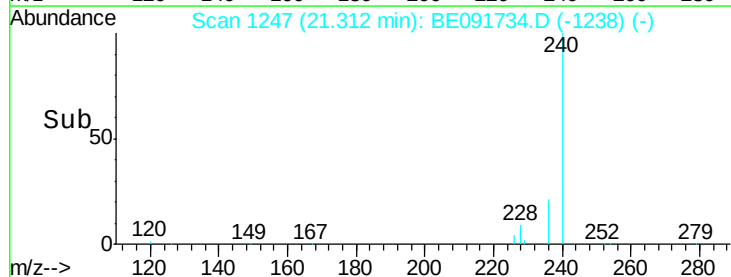
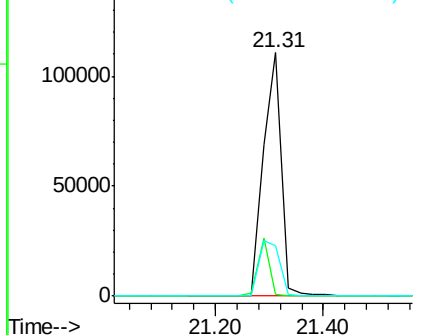
Tgt Ion:	240	Resp:	257467
Ion	Ratio	Lower	Upper
240	100		
120	0.9	11.0	16.4#
236	20.7	21.7	32.5#

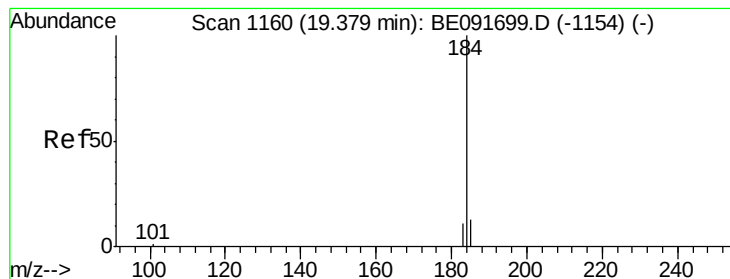


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 1.85 ng

RT: 19.38 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

Instrument :

BNA_E

ClientSampleId :

PB90187BS

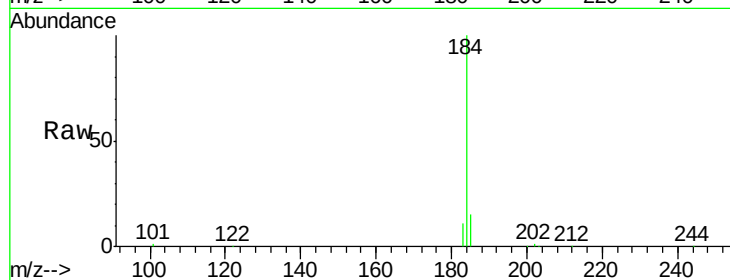
Tgt Ion:184 Resp: 35622

Ion Ratio Lower Upper

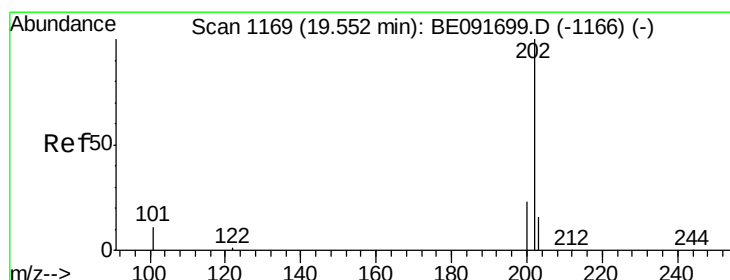
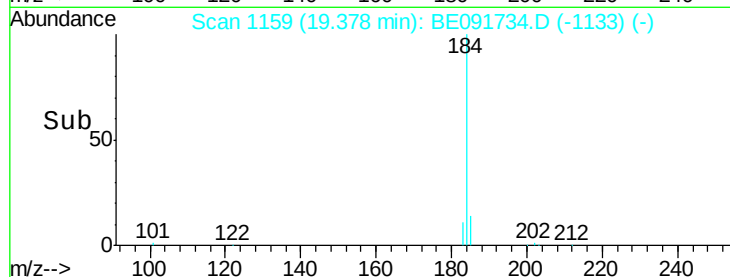
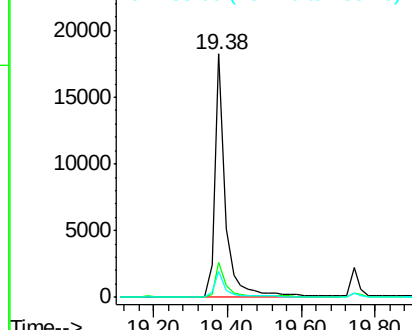
184 100

185 14.5 22.3 33.5#

183 10.9 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: 4.63 ng

RT: 19.55 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

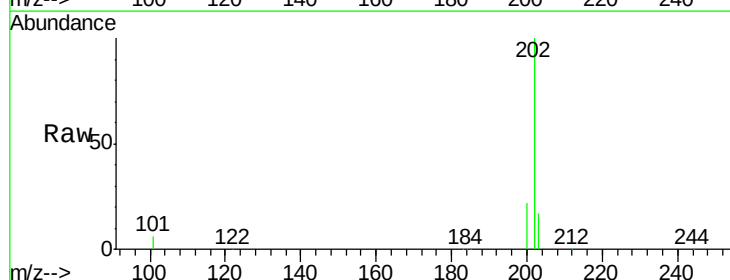
Tgt Ion:202 Resp: 269272

Ion Ratio Lower Upper

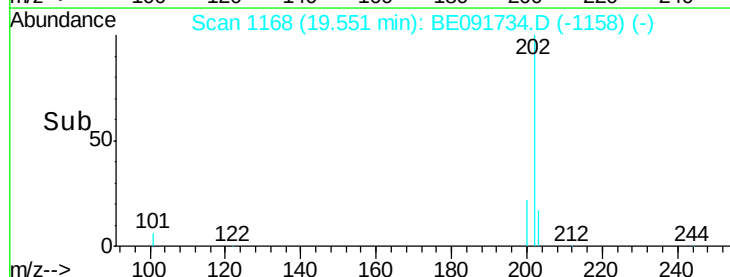
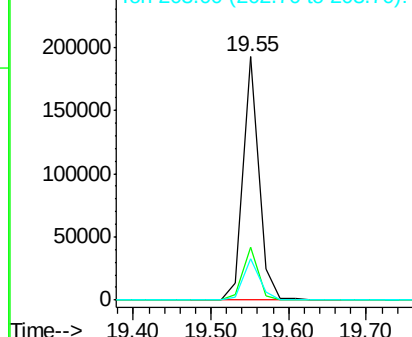
202 100

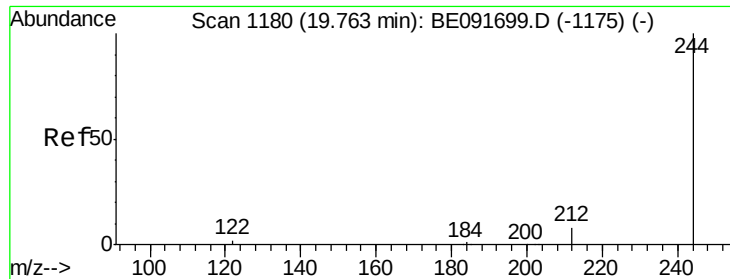
200 21.6 16.8 25.2

203 17.9 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: 4.35 ng

RT: 19.76 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

Instrument :

BNA_E

ClientSampleId :

PB90187BS

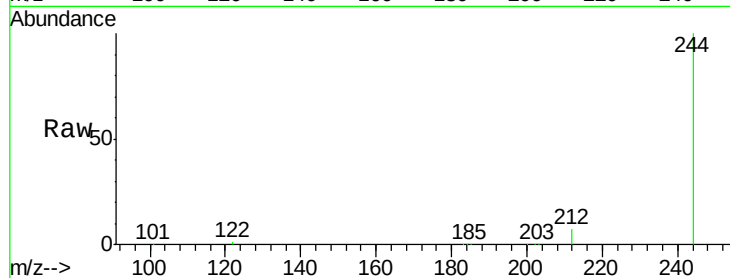
Tgt Ion:244 Resp: 174792

Ion Ratio Lower Upper

244 100

212 7.2 6.9 10.3

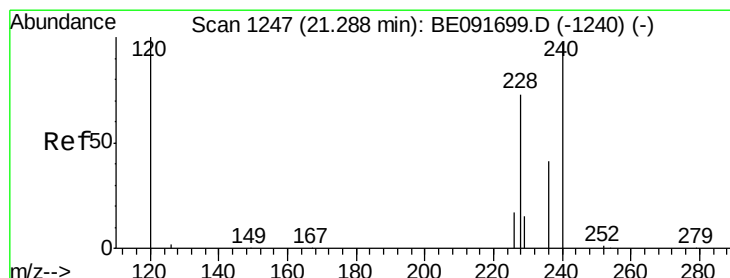
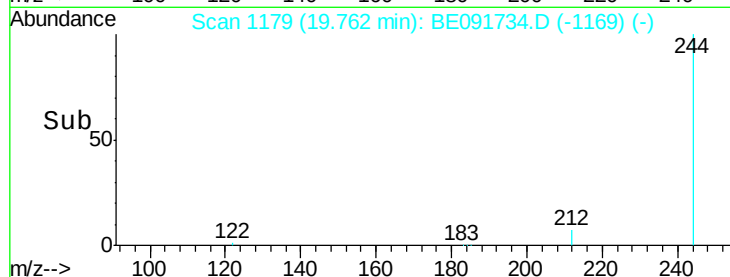
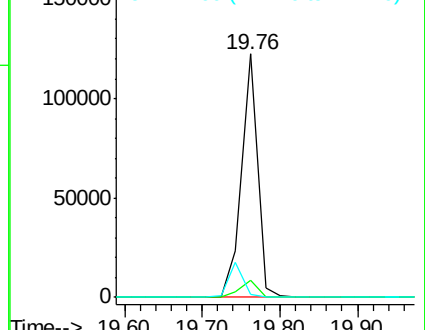
122 1.2 11.0 16.4#



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: 3.81 ng

RT: 21.29 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

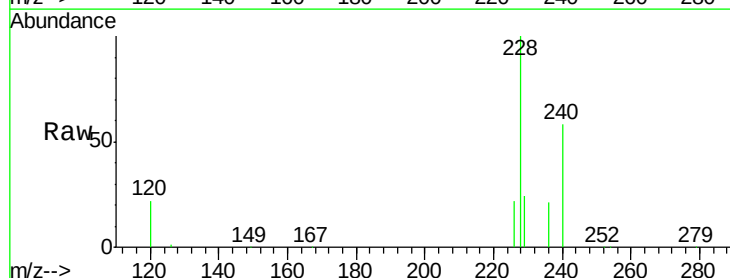
Tgt Ion:228 Resp: 239328

Ion Ratio Lower Upper

228 100

226 21.5 21.0 31.4

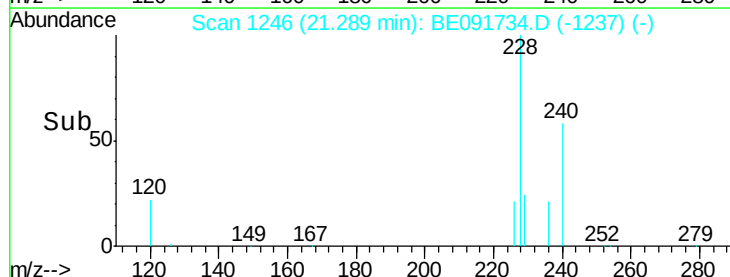
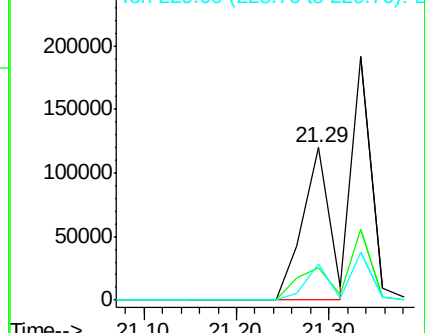
229 23.7 15.7 23.5#

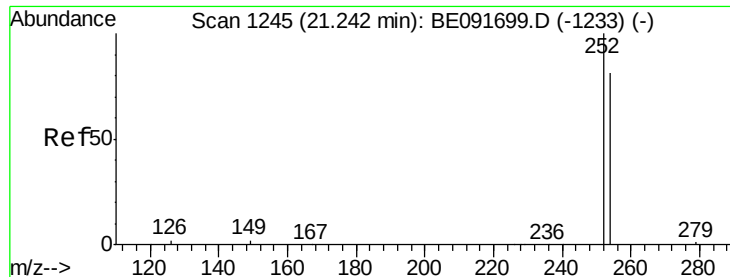


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

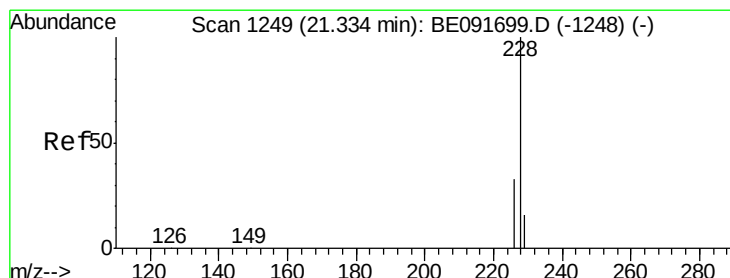
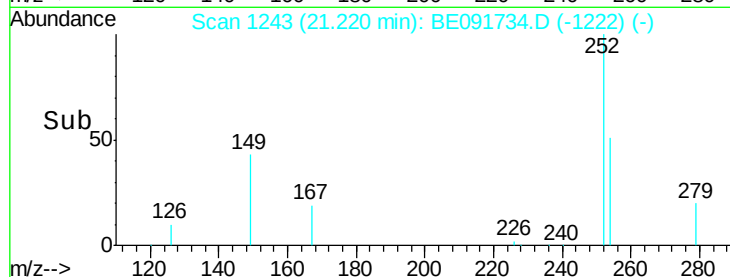
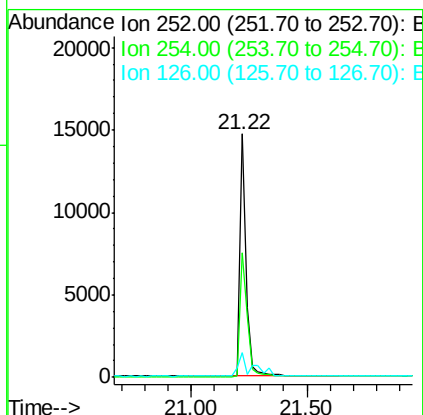
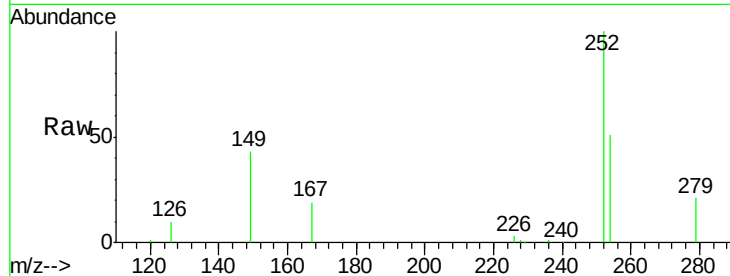




#31
 3,3'-Dichlorobenzidine
 Concen: 0.89 ng
 RT: 21.22 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091734.D
 Acq: 29 Apr 2016 15:26

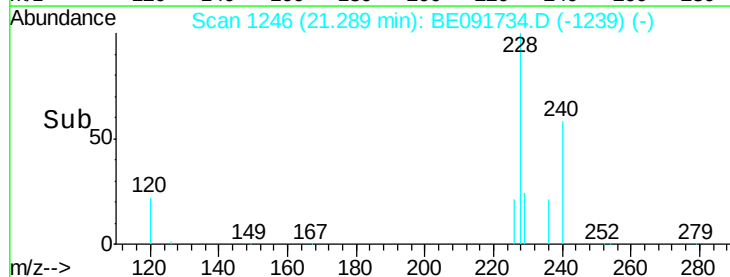
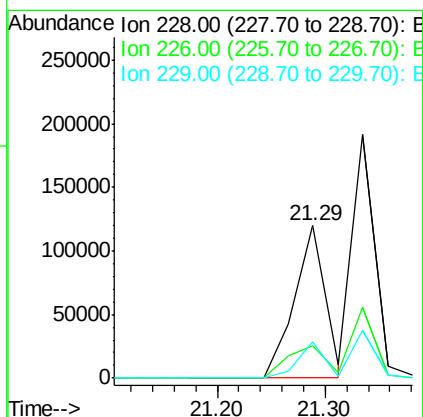
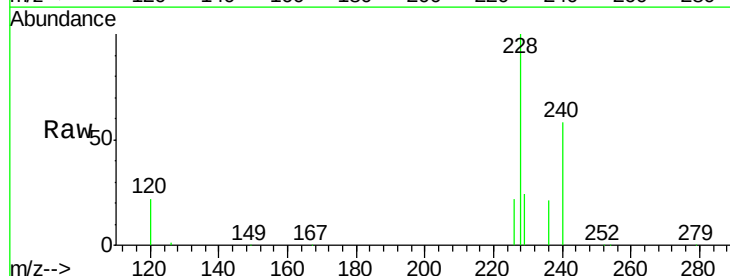
Instrument :
 BNA_E
 ClientSampleId :
 PB90187BS

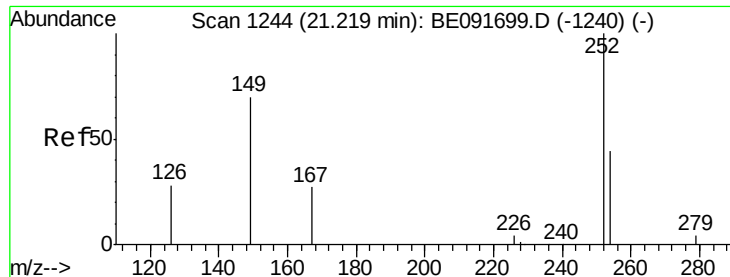
Tgt Ion: 252 Resp: 28692
 Ion Ratio Lower Upper
 252 100
 254 51.4 51.1 76.7
 126 10.2 12.6 18.8#



#32
 Chrysene
 Concen: 3.66 ng
 RT: 21.29 min Scan# 1246
 Delta R.T. -0.05 min
 Lab File: BE091734.D
 Acq: 29 Apr 2016 15:26

Tgt Ion: 228 Resp: 239342
 Ion Ratio Lower Upper
 228 100
 226 21.5 24.0 36.0#
 229 23.7 15.9 23.9

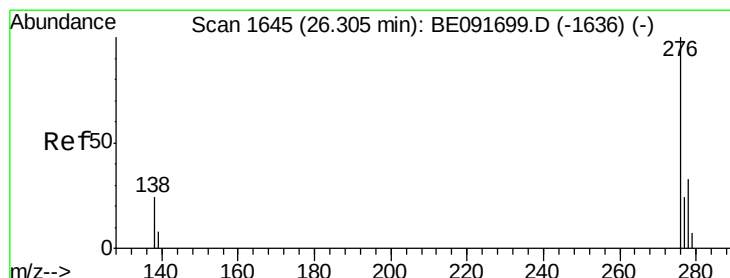
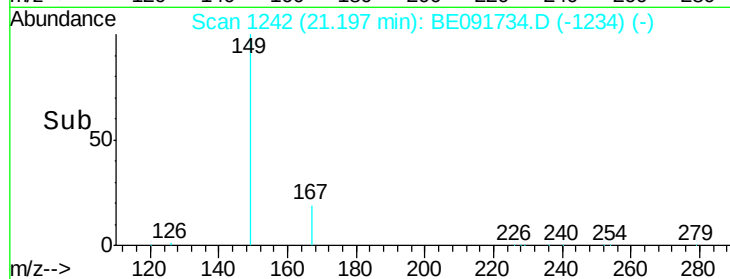
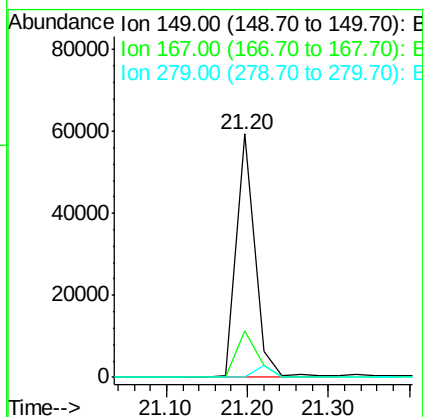
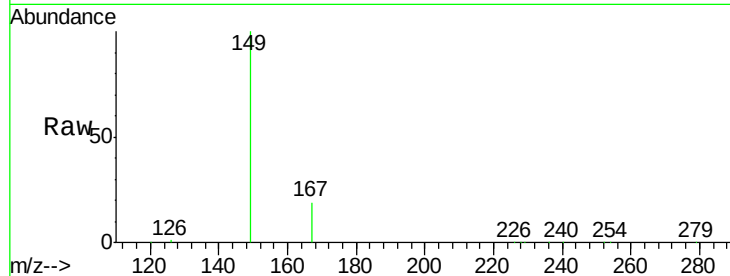




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 4.86 ng
 RT: 21.20 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: BE091734.D
 Acq: 29 Apr 2016 15:26

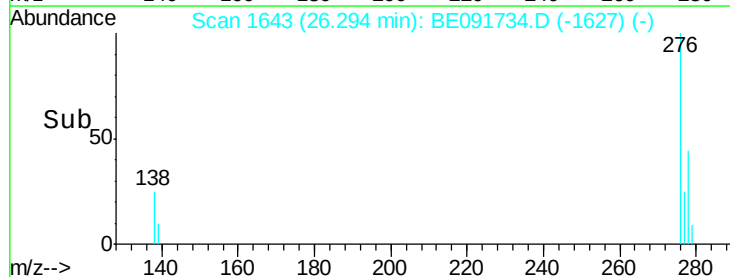
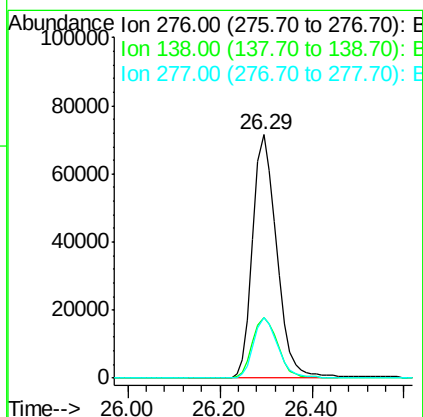
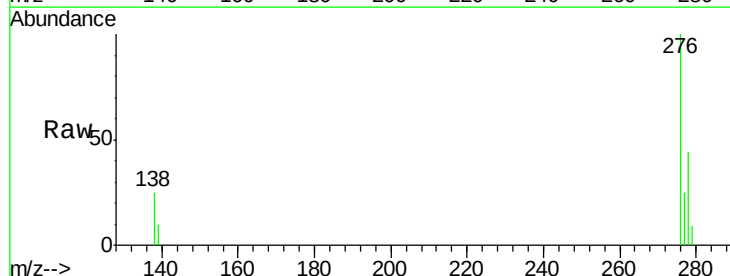
Instrument :
 BNA_E
 ClientSampleId :
 PB90187BS

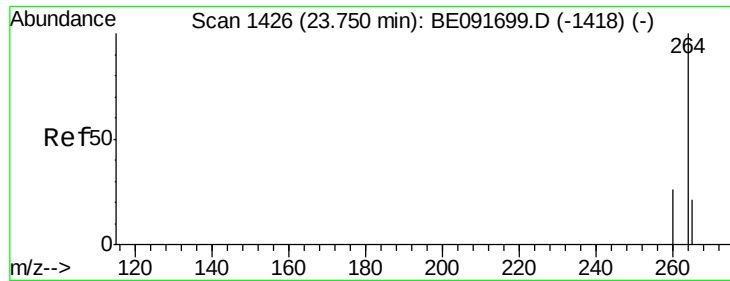
Tgt Ion:149 Resp: 92565
 Ion Ratio Lower Upper
 149 100
 167 21.4 19.5 29.3
 279 0.0 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 4.46 ng
 RT: 26.29 min Scan# 1643
 Delta R.T. -0.01 min
 Lab File: BE091734.D
 Acq: 29 Apr 2016 15:26

Tgt Ion:276 Resp: 259271
 Ion Ratio Lower Upper
 276 100
 138 26.3 23.4 35.2
 277 25.0 19.8 29.8





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.75 min Scan# 1425

Delta R.T. 0.00 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

Instrument :

BNA_E

ClientSampleId :

PB90187BS

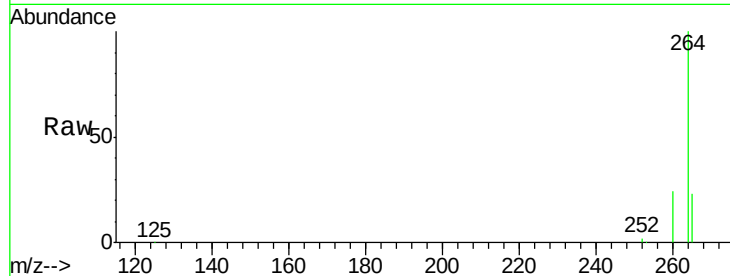
Tgt Ion:264 Resp: 264481

Ion Ratio Lower Upper

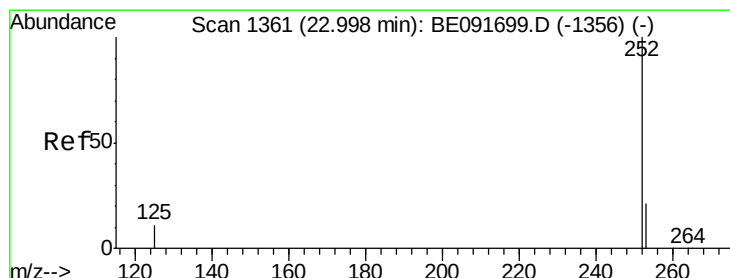
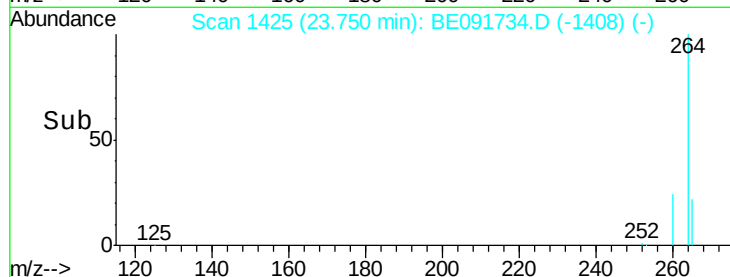
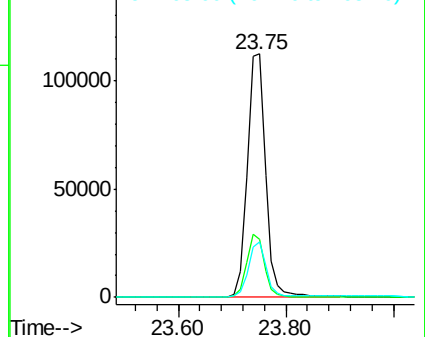
264 100

260 23.8 20.0 30.0

265 22.7 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#36

Benzo(b)fluoranthene

Concen: 3.89 ng

RT: 22.99 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

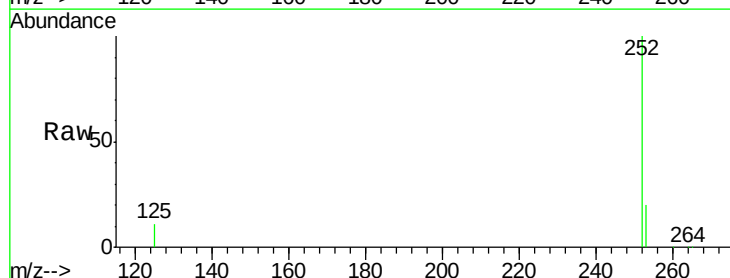
Tgt Ion:252 Resp: 240842

Ion Ratio Lower Upper

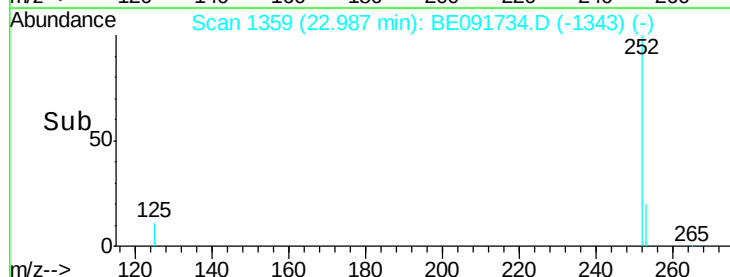
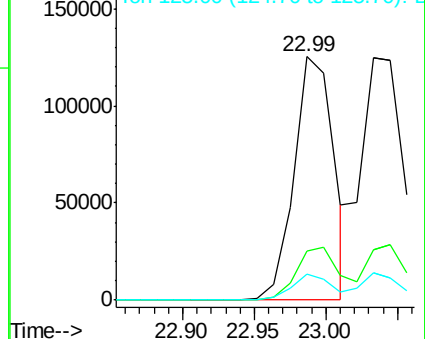
252 100

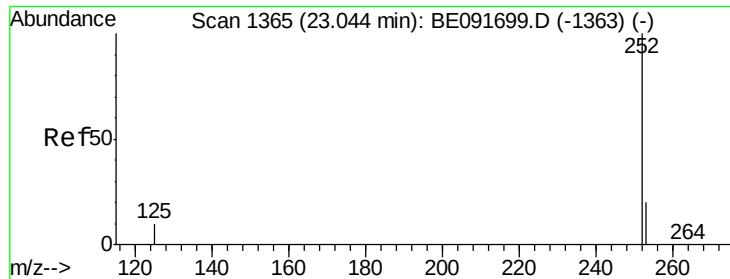
253 20.4 17.4 26.0

125 10.8 10.2 15.2



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

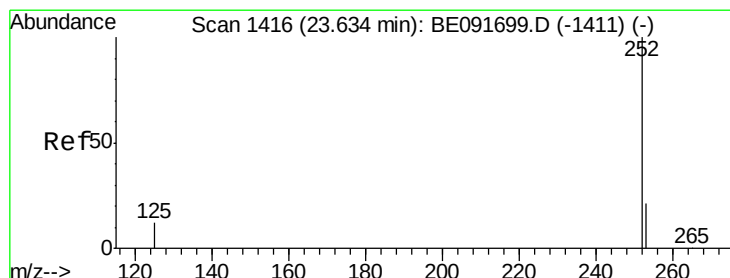
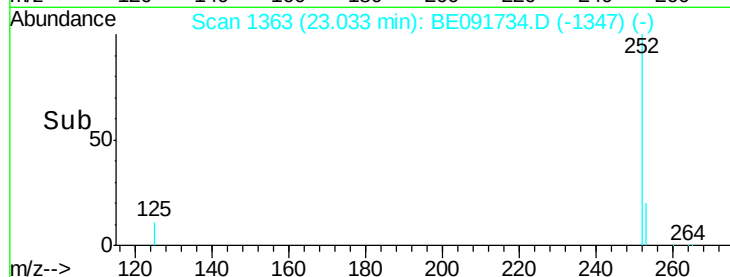
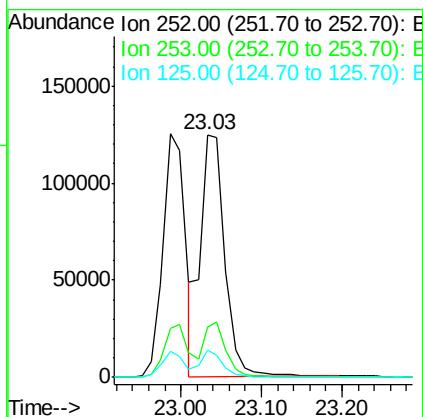
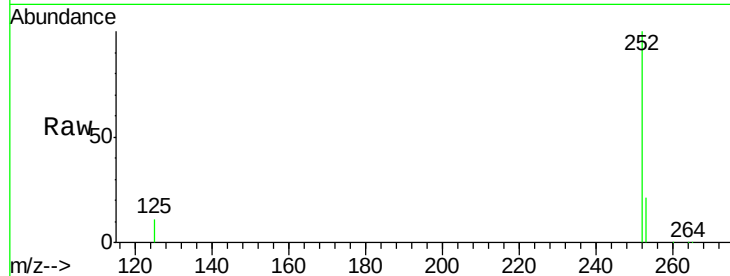




#37
Benzo(k)fluoranthene
Concen: 4.16 ng
RT: 23.03 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

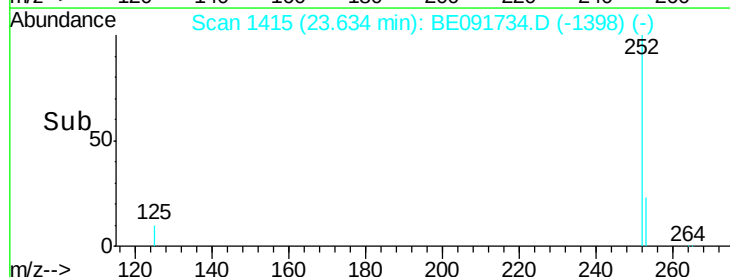
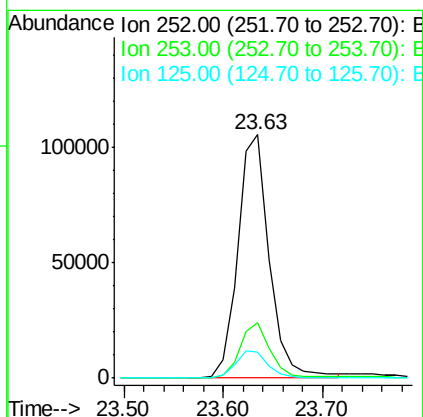
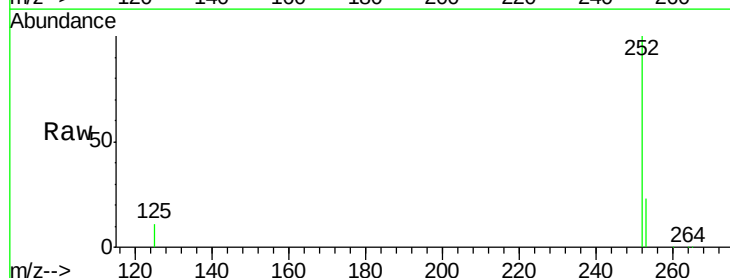
Instrument :
BNA_E
ClientSampleId :
PB90187BS

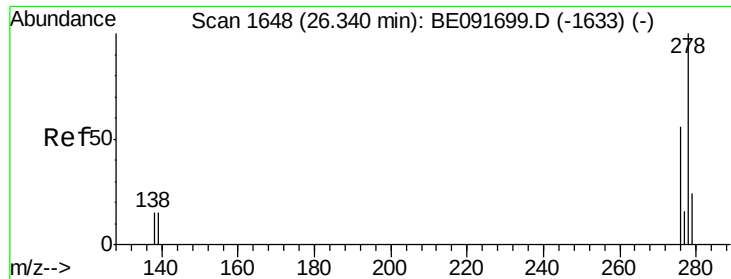
Tgt Ion: 252 Resp: 262031
Ion Ratio Lower Upper
252 100
253 20.5 17.6 26.4
125 11.0 9.9 14.9



#38
Benzo(a)pyrene
Concen: 3.94 ng
RT: 23.63 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BE091734.D
Acq: 29 Apr 2016 15:26

Tgt Ion: 252 Resp: 230103
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 10.6 11.0 16.4#





#39

Dibenzo(a,h)anthracene

Concen: 3.96 ng

RT: 26.32 min Scan# 1645

Delta R.T. -0.02 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

Instrument :

BNA_E

ClientSampleId :

PB90187BS

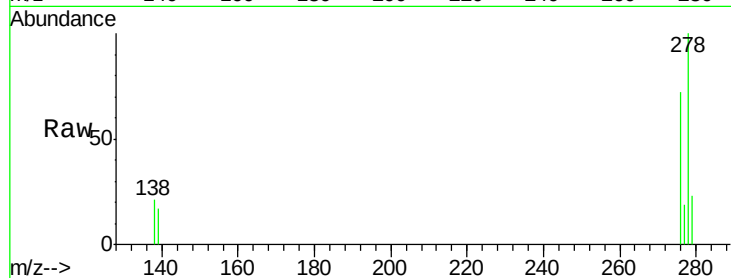
Tgt Ion: 278 Resp: 219056

Ion Ratio Lower Upper

278 100

139 17.4 16.0 24.0

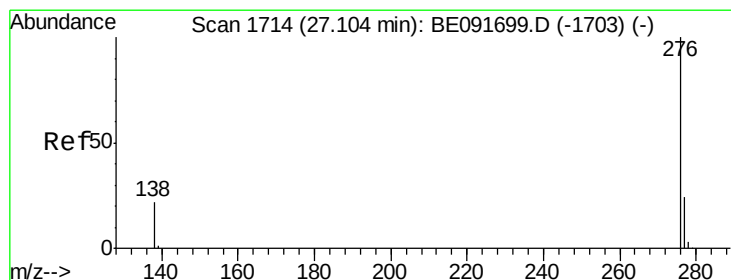
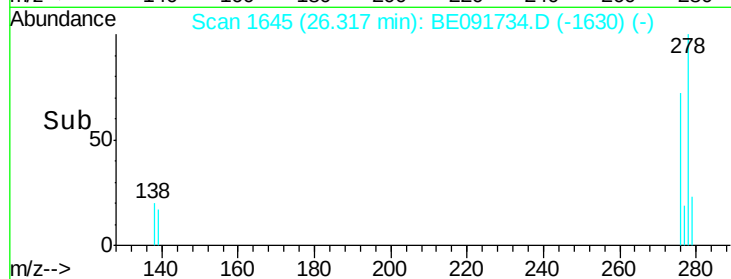
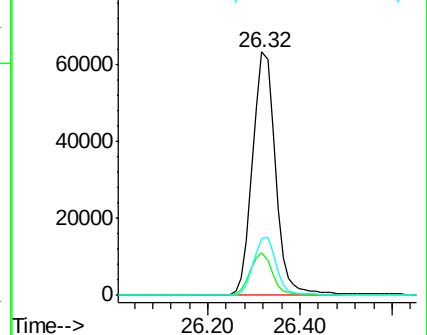
279 23.2 19.4 29.2



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: 3.92 ng

RT: 27.08 min Scan# 1711

Delta R.T. -0.02 min

Lab File: BE091734.D

Acq: 29 Apr 2016 15:26

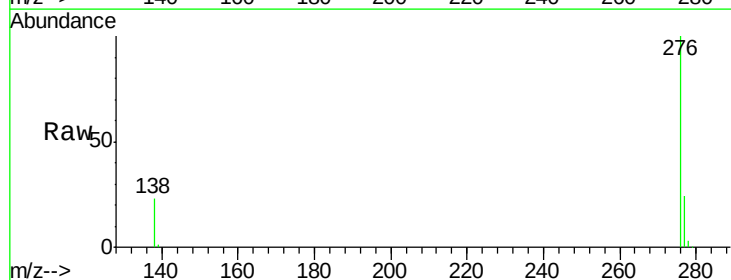
Tgt Ion: 276 Resp: 220489

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 22.7 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

