

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051117\
 Data File : BE092990.D
 Acq On : 11 May 2017 11:22
 Operator : SJ/MA
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 11 14:13:51 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:12:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	752	0.40	ng	-0.00
7) Naphthalene-d8	10.53	136	3024	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1443	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3155	0.40	ng	0.00
27) Chrysene-d12	21.28	240	3768	0.40	ng	0.00
34) Perylene-d12	23.70	264	3174	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	440	0.21	ng	0.00
5) Phenol-d6	6.92	99	529	0.21	ng	-0.02
8) Nitrobenzene-d5	8.88	82	473	0.20	ng	-0.02
11) 2-Methylnaphthalene-d10	12.13	152	852	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	76	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	1158	0.20	ng	0.00
25) Fluoranthene-d10	19.16	212	1961	0.23	ng	0.00
29) Terphenyl-d14	19.74	244	1345	0.20	ng	0.00

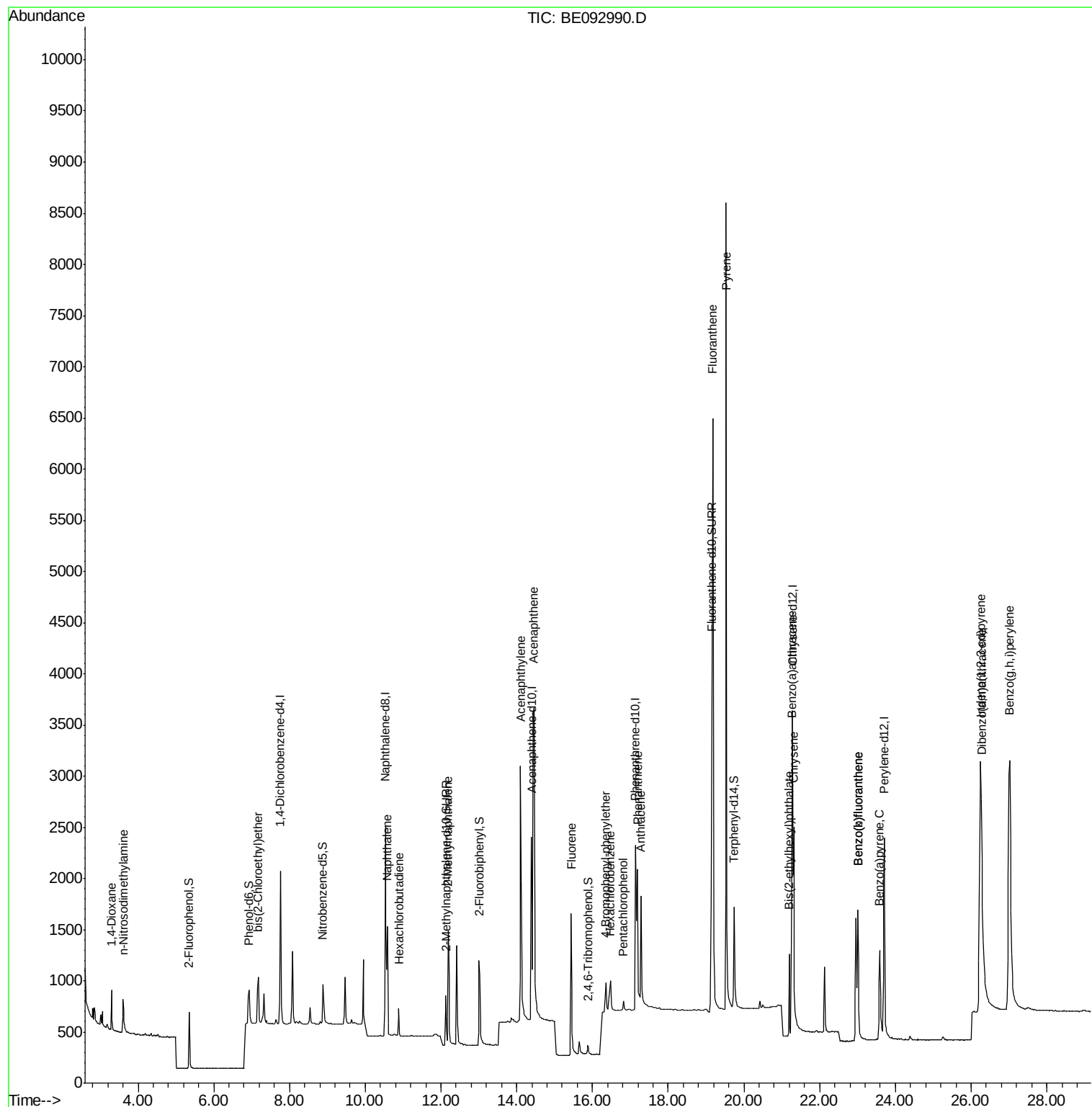
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.31	88	331	0.21	ng	96
3) n-Nitrosodimethylamine	3.61	42	253	0.20	ng	99
6) bis(2-Chloroethyl)ether	7.18	93	521	0.21	ng	# 98
9) Naphthalene	10.58	128	1682	0.21	ng	94
10) Hexachlorobutadiene	10.89	225	232	0.21	ng	99
12) 2-Methylnaphthalene	12.19	142	947	0.20	ng	95
16) Acenaphthylene	14.10	152	4548	0.19	ng	99
17) Acenaphthene	14.46	154	884	0.20	ng	99
18) Fluorene	15.44	166	1086	0.20	ng	99
20) 4-Bromophenyl-phenylether	16.36	248	243	0.24	ng	91
21) Hexachlorobenzene	16.47	284	382	0.24	ng	# 100
22) Pentachlorophenol	16.82	266	100	0.21	ng	95
23) Phenanthrene	17.19	178	1968	0.25	ng	99
24) Anthracene	17.28	178	1578	0.23	ng	98
26) Fluoranthene	19.18	202	9438	0.23	ng	# 100
28) Pyrene	19.53	202	10473	0.22	ng	# 99
30) Benzo(a)anthracene	21.27	228	1761	0.20	ng	96
31) Chrysene	21.32	228	2423	0.21	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	798	0.20	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.25	276	7426	0.20	ng	99
35) Benzo(b)fluoranthene	23.01	252	1666	0.16	ng	93
36) Benzo(k)fluoranthene	23.01	252	1881	0.19	ng	# 95
37) Benzo(a)pyrene	23.59	252	1725	0.20	ng	# 91
38) Dibenzo(a,h)anthracene	26.27	278	1502	0.19	ng	# 86
39) Benzo(g,h,i)perylene	27.02	276	7107	0.20	ng	# 92

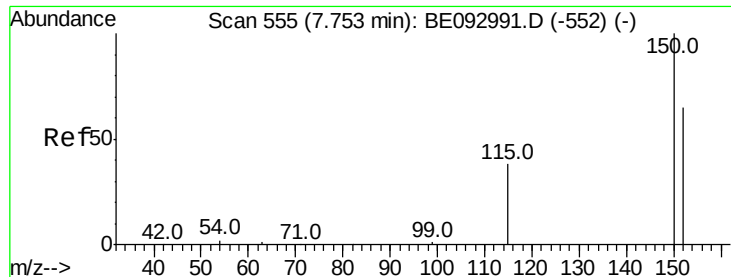
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 11 14:12:45 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

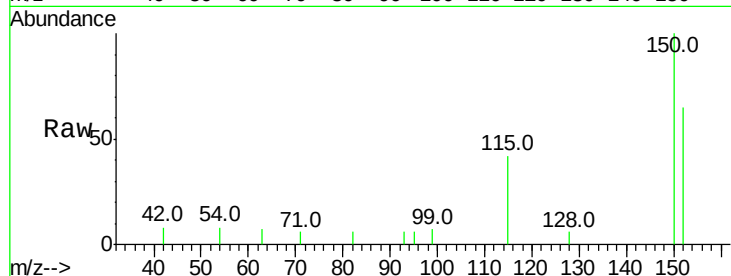
Tot Ion:152 Resp: 752

Ion Ratio Lower Upper

152 100

150 153.5 125.1 187.7

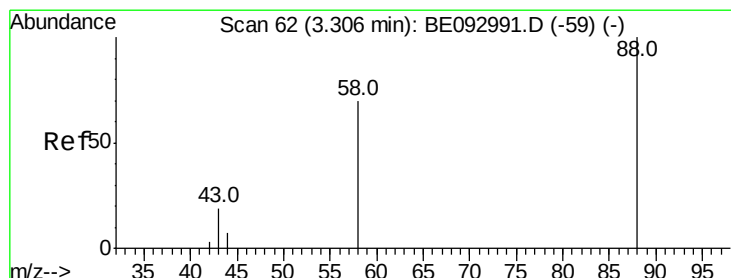
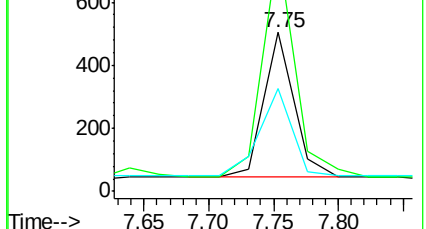
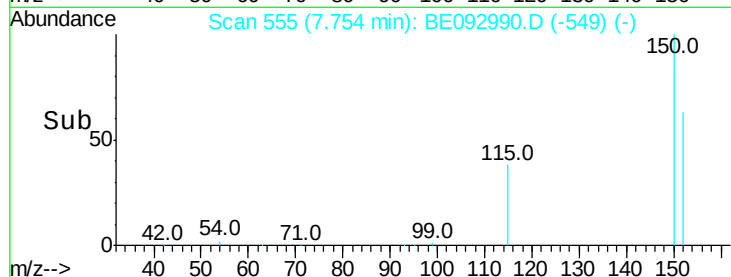
115 65.2 55.7 83.5



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: 0.21 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

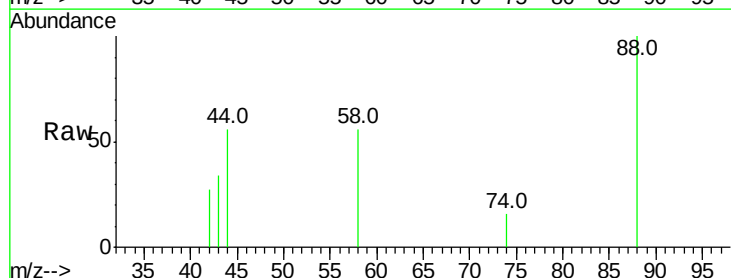
Tgt Ion: 88 Resp: 331

Ion Ratio Lower Upper

88 100

58 74.9 62.2 93.4

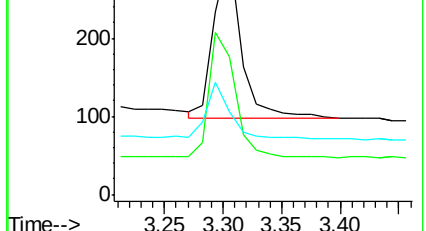
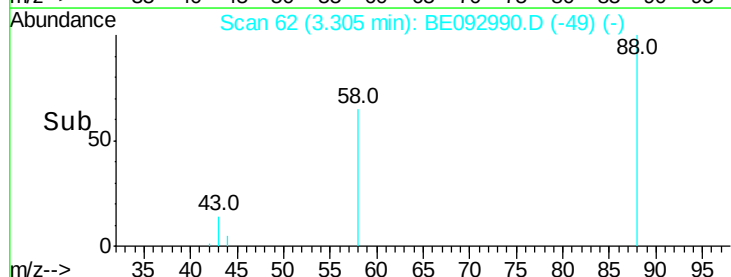
43 32.0 23.2 34.8

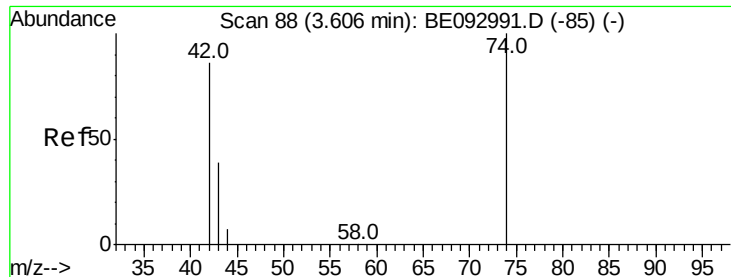


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

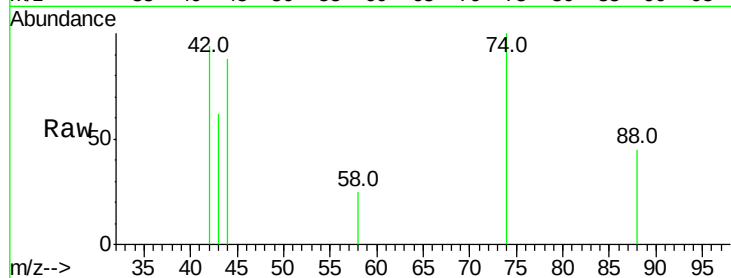
Tot Ion: 42 Resp: 253

Ion Ratio Lower Upper

42 100

74 124.9 99.1 148.7

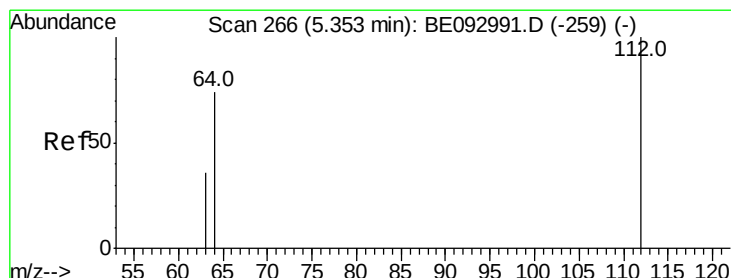
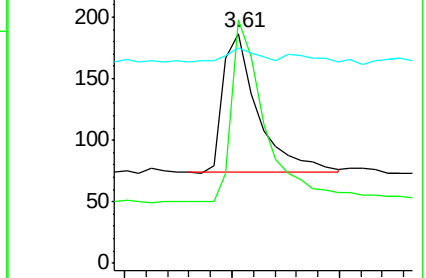
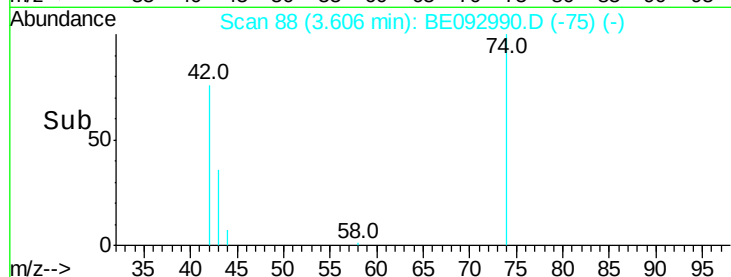
44 8.3 7.4 11.2



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: 0.21 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

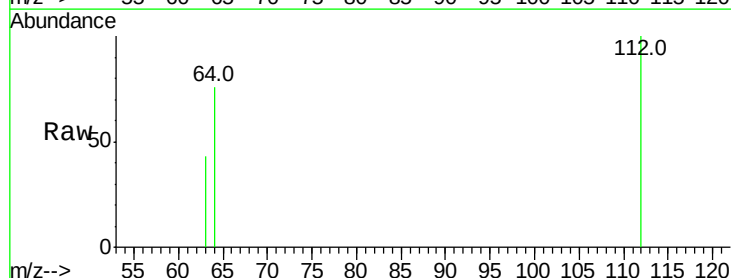
Tgt Ion: 112 Resp: 440

Ion Ratio Lower Upper

112 100

64 71.4 56.4 84.6

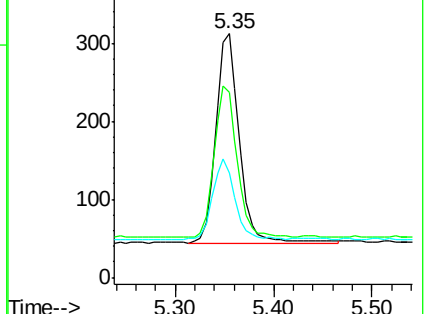
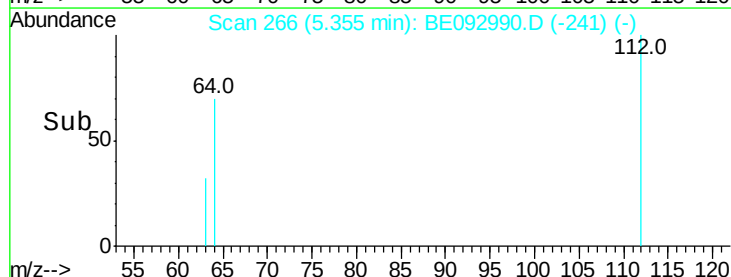
63 37.3 29.3 43.9

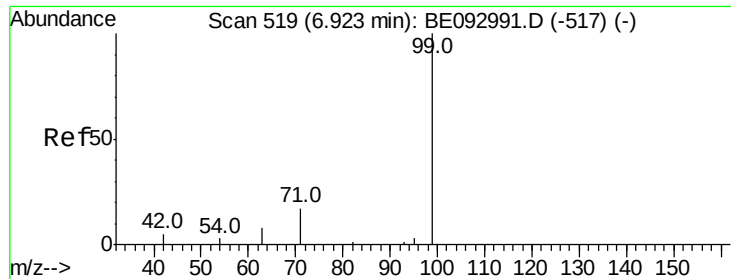


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.21 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

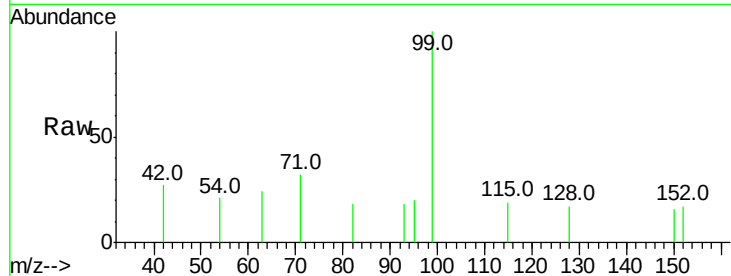
Tot Ion: 99 Resp: 529

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

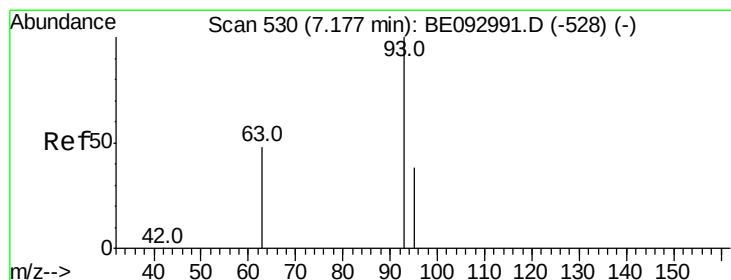
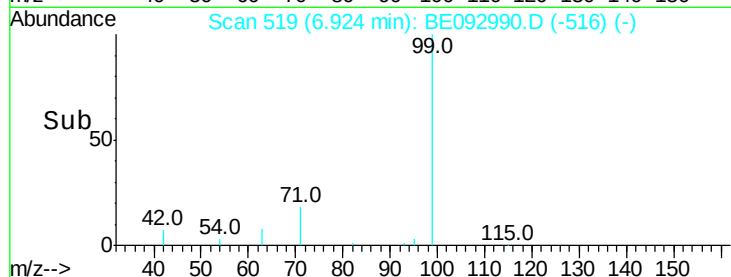
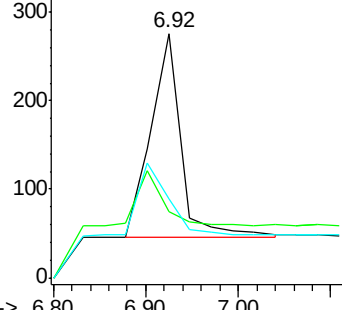
71 0.0 0.0 0.0



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: 0.21 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

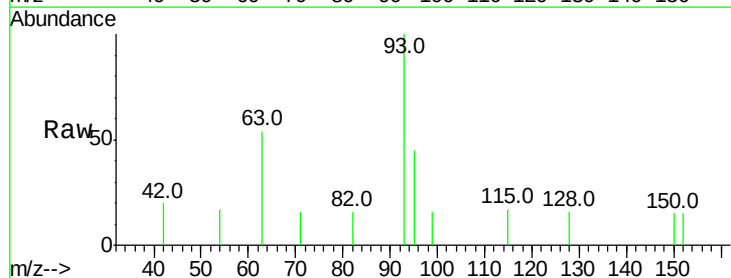
Tgt Ion: 93 Resp: 521

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

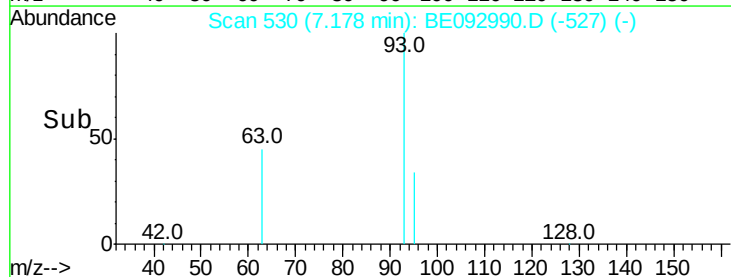
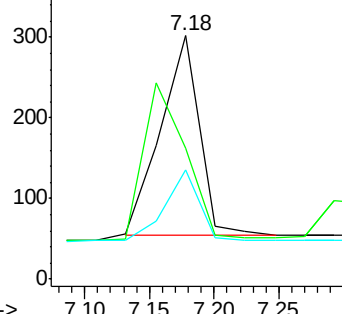
95 30.7 25.4 38.0

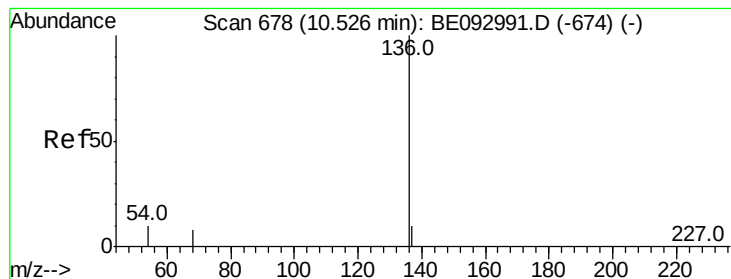


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3024

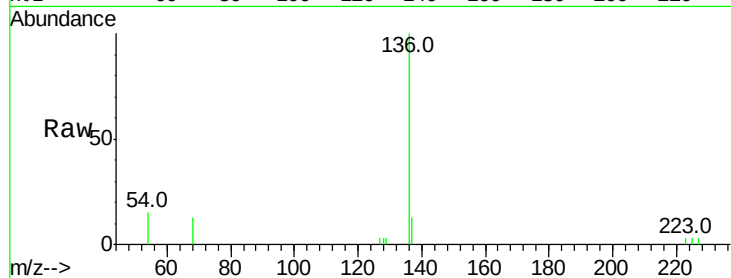
Ion Ratio Lower Upper

136 100

137 12.5 9.8 14.8

54 15.0 10.3 15.5

68 12.9 9.0 13.4

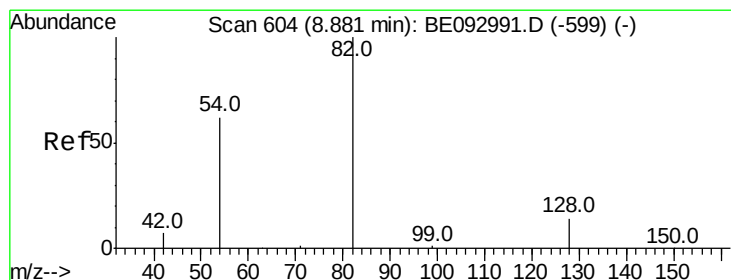
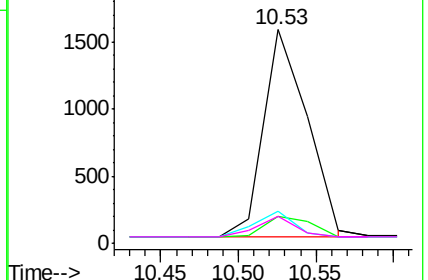
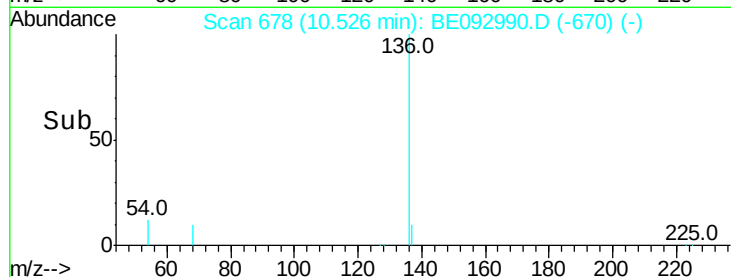


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.20 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

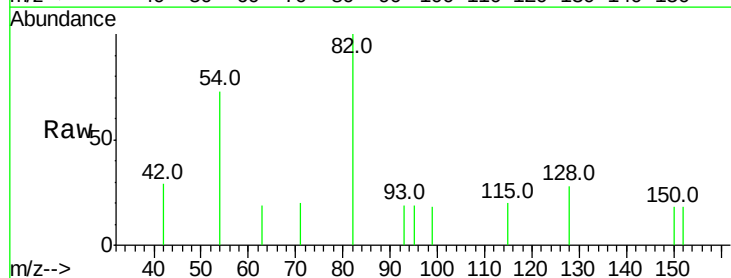
Tgt Ion: 82 Resp: 473

Ion Ratio Lower Upper

82 100

128 27.6 17.0 25.4#

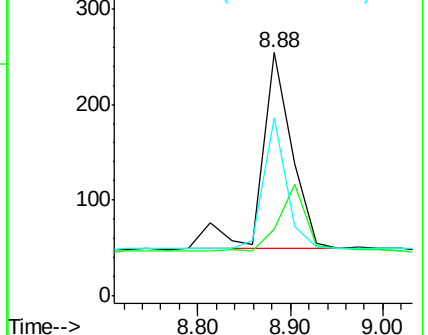
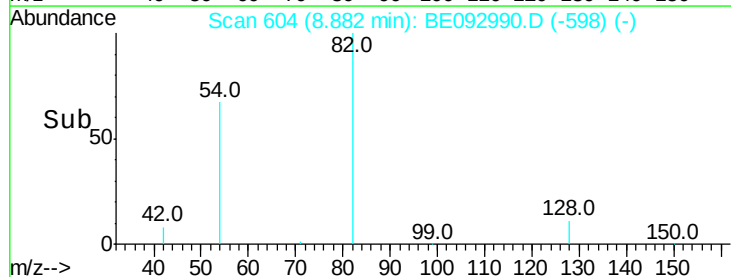
54 73.2 53.8 80.6

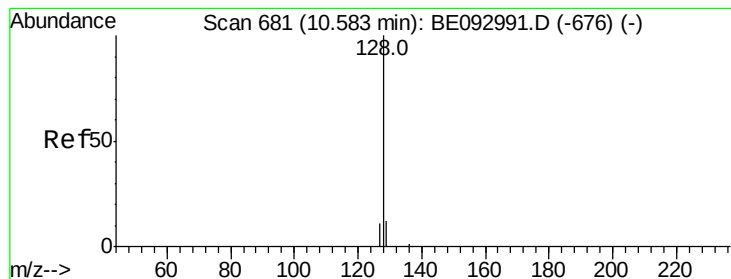


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.21 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

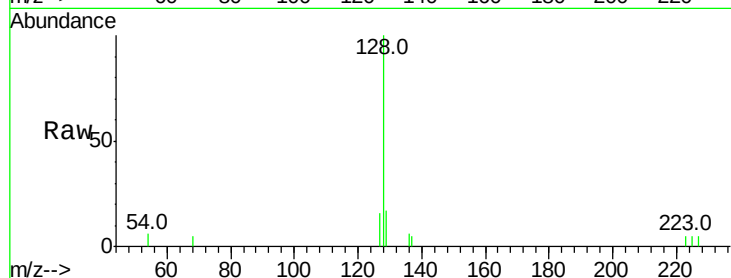
Tot Ion:128 Resp: 1682

Ion Ratio Lower Upper

128 100

129 16.6 11.4 17.0

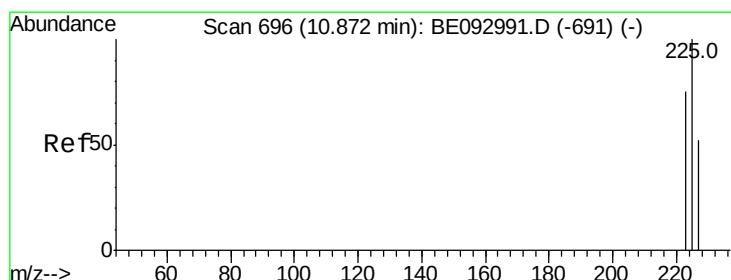
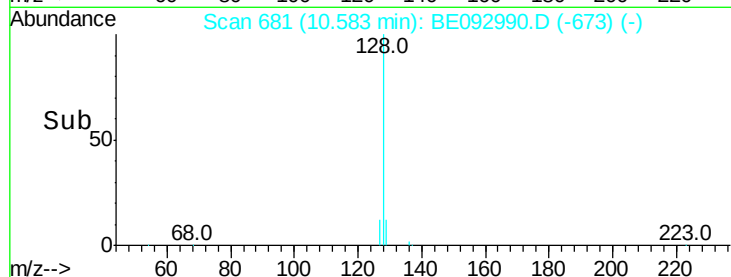
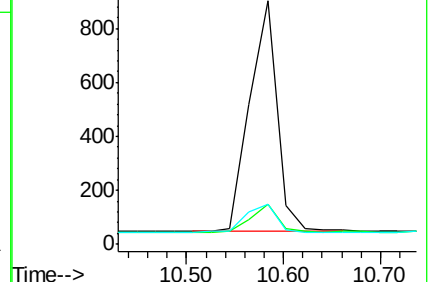
127 16.3 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.21 ng

RT: 10.89 min Scan# 697

Delta R.T. -0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

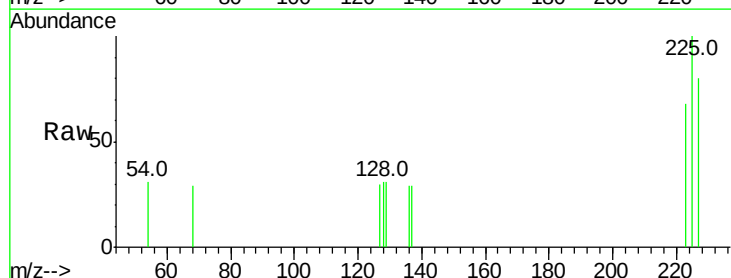
Tgt Ion:225 Resp: 232

Ion Ratio Lower Upper

225 100

223 61.2 49.7 74.5

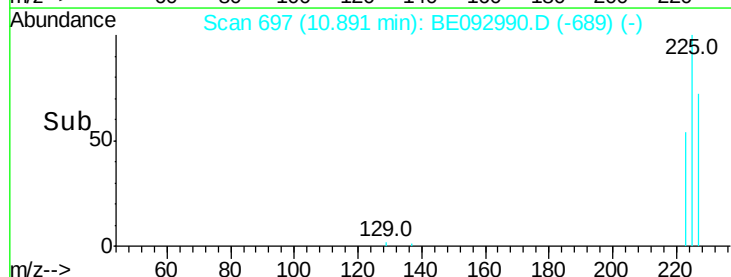
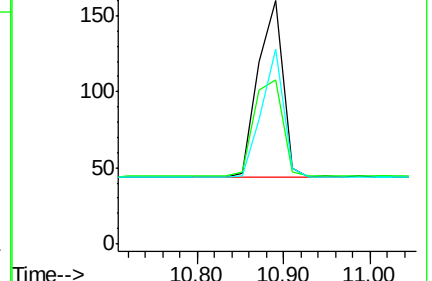
227 64.2 50.3 75.5

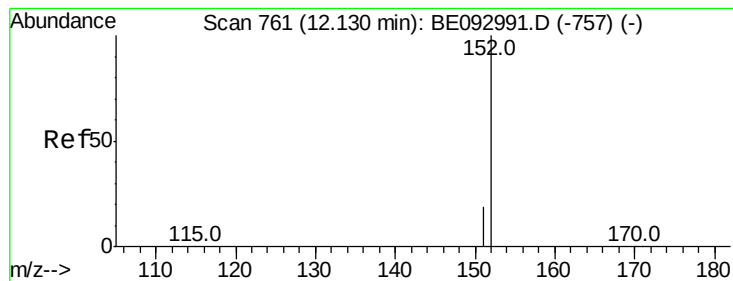


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

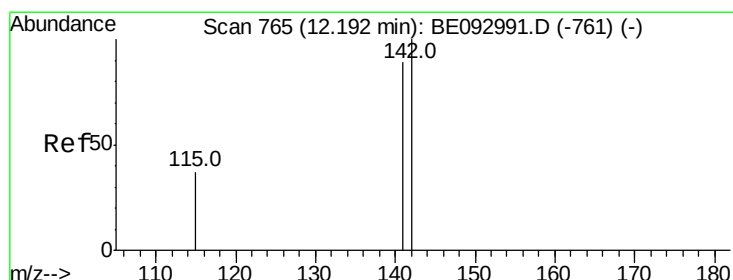
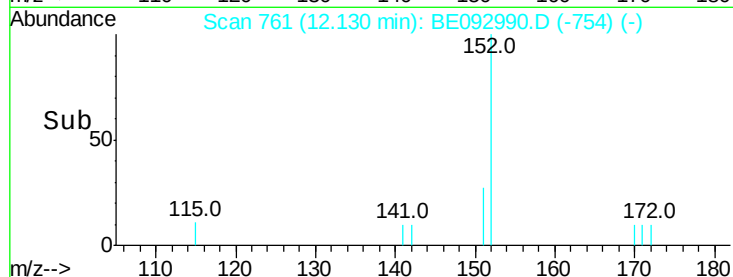
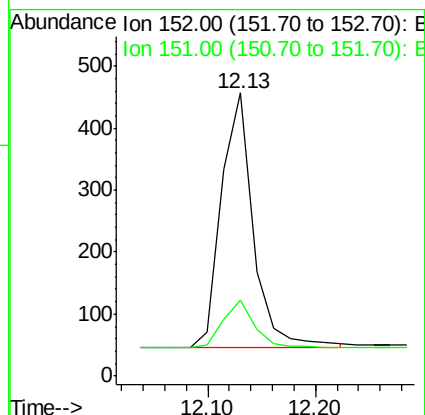
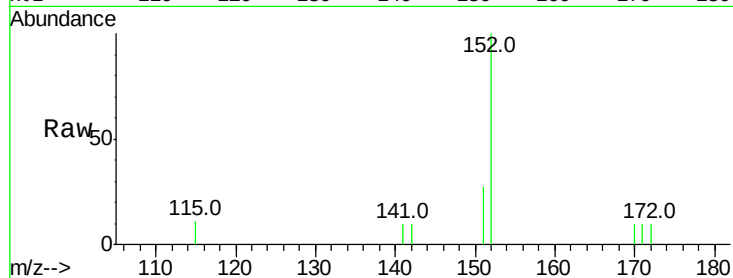




#11
 2-Methylnaphthalene-d10
 Concen: 0.20 ng
 RT: 12.13 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE092990.D
 Acq: 11 May 2017 11:22

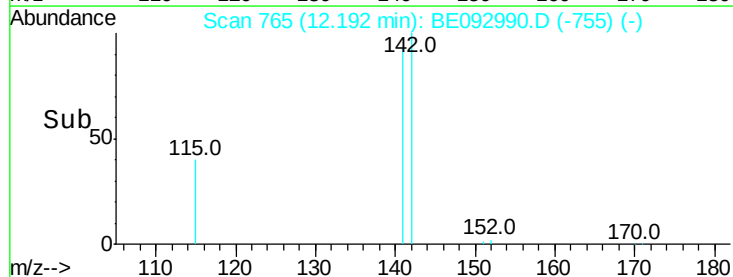
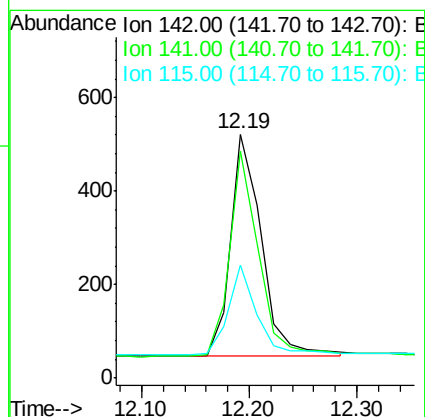
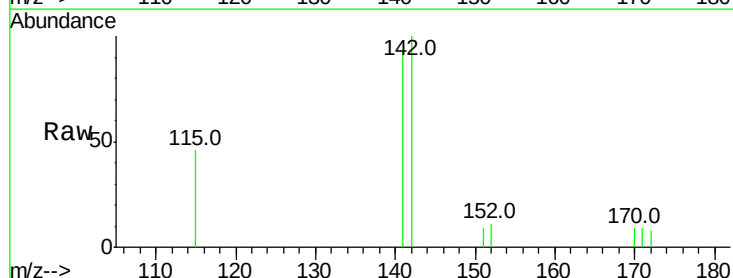
Instrument :
 BNA_E
 ClientSampled :

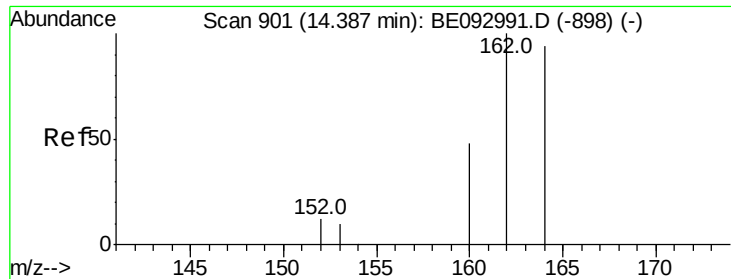
Tot Ion:152 Resp: 852
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.20 ng
 RT: 12.19 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE092990.D
 Acq: 11 May 2017 11:22

Tgt Ion:142 Resp: 947
 Ion Ratio Lower Upper
 142 100
 141 93.3 72.6 108.8
 115 46.3 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

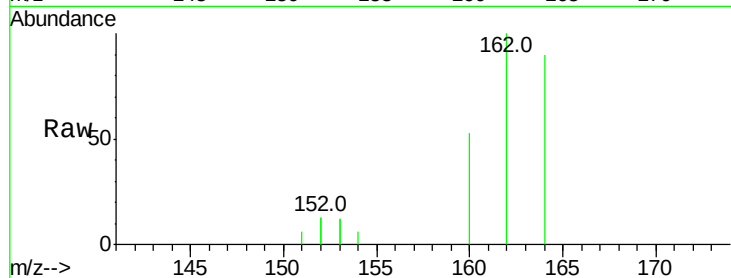
Tot Ion:164 Resp: 1443

Ion Ratio Lower Upper

164 100

162 111.0 84.6 127.0

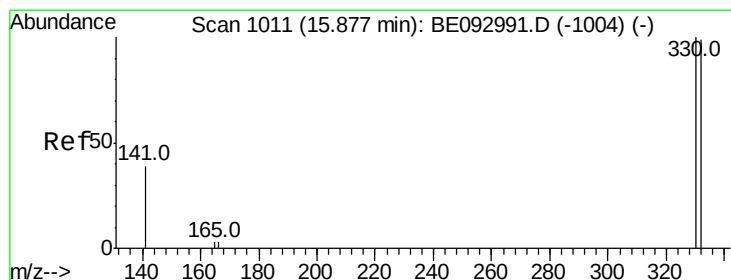
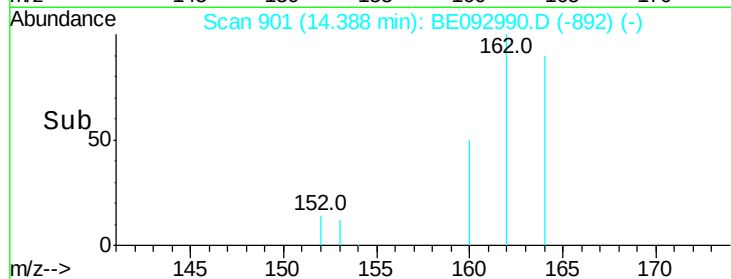
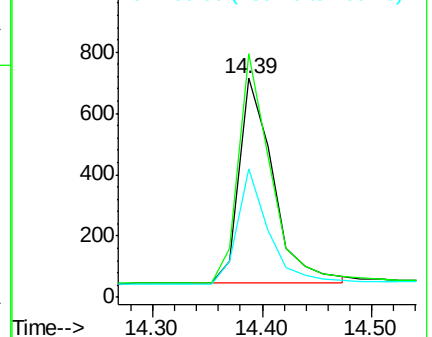
160 58.3 41.8 62.6



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



#14

2,4,6-Tribromophenol

Concen: 0.20 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

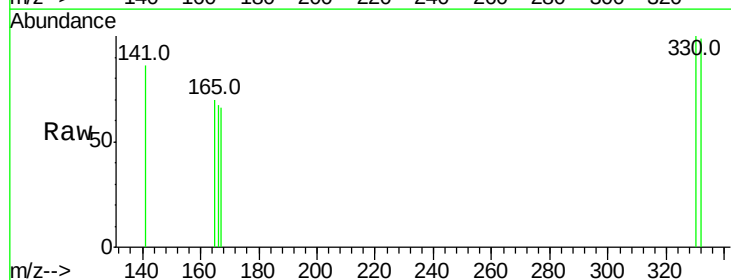
Tgt Ion:330 Resp: 76

Ion Ratio Lower Upper

330 100

332 97.4 77.7 116.5

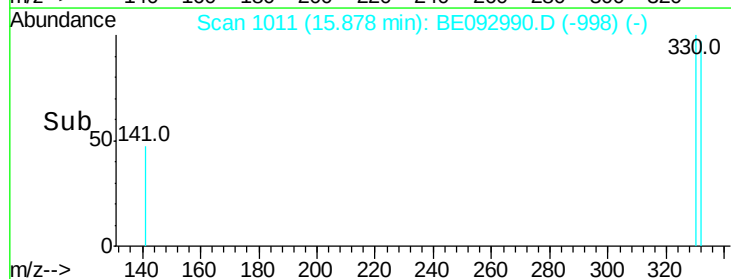
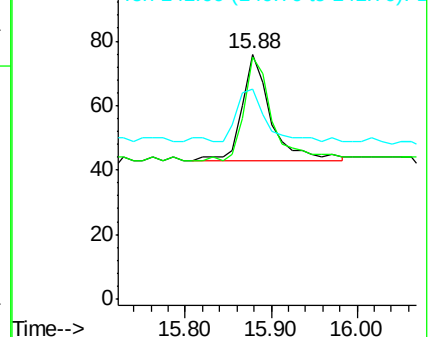
141 48.7 56.2 84.4#

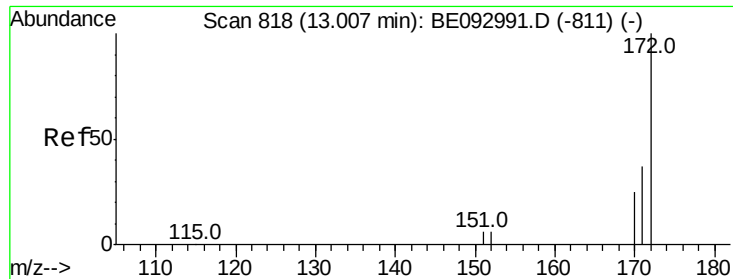


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

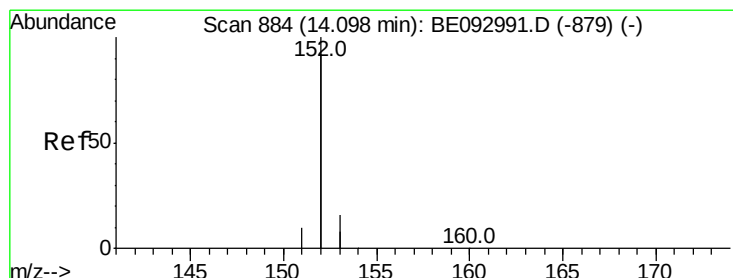
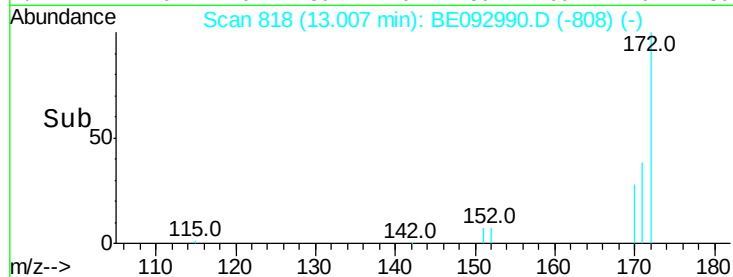
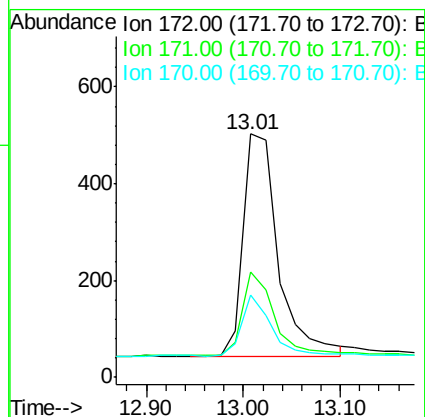
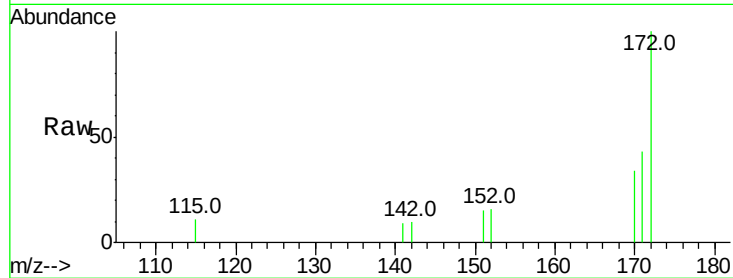




#15
2-Fluorobiphenyl
Concen: 0.20 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

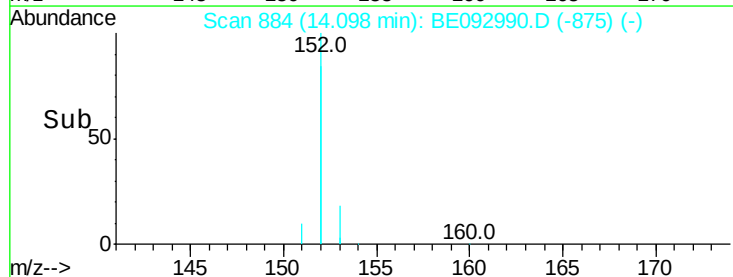
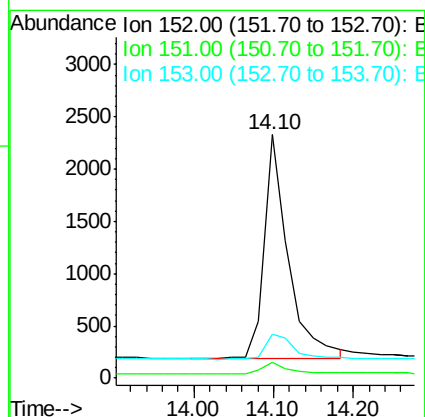
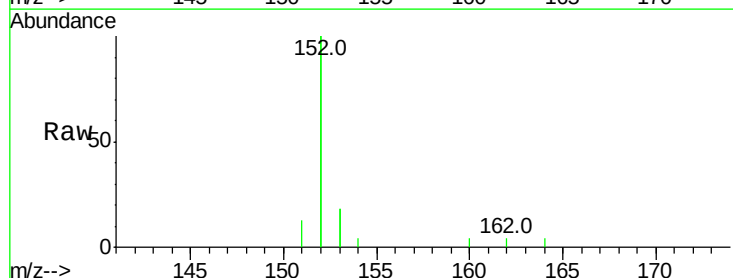
Instrument :
BNA_E
ClientSampleId :

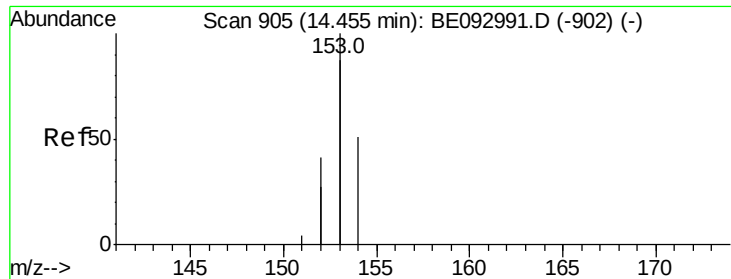
Tot Ion:172 Resp: 1158
Ion Ratio Lower Upper
172 100
171 43.3 29.8 44.6
170 34.0 20.7 31.1#



#16
Acenaphthylene
Concen: 0.19 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

Tgt Ion:152 Resp: 4548
Ion Ratio Lower Upper
152 100
151 5.1 4.0 6.0
153 13.3 10.3 15.5

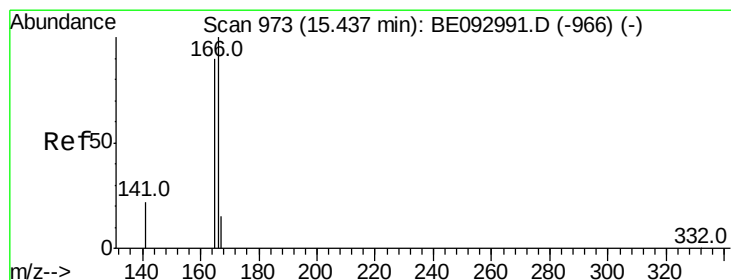
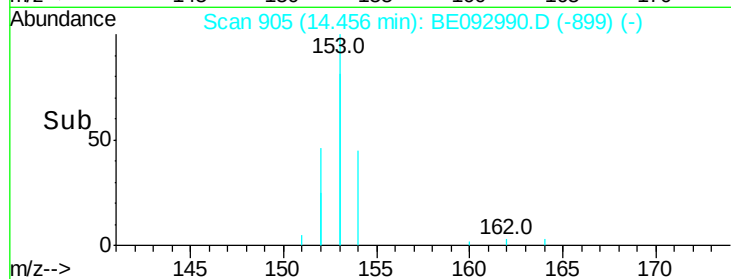
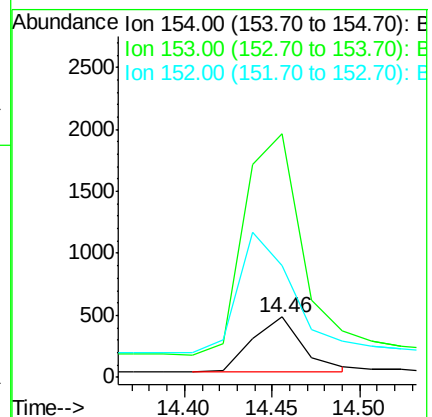
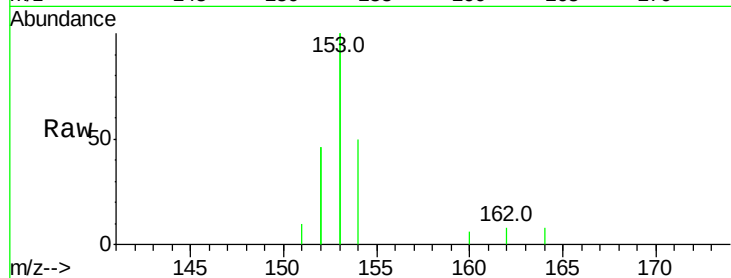




#17
Acenaphthene
Concen: 0.20 ng
RT: 14.46 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

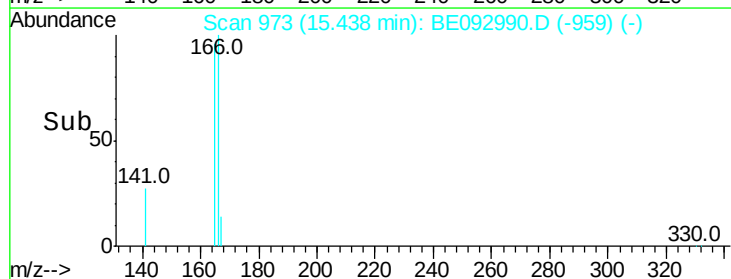
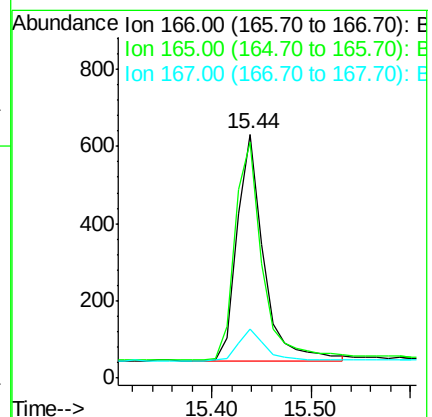
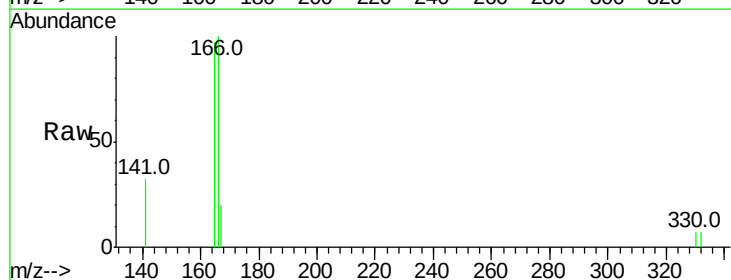
Instrument :
BNA_E
ClientSampled :

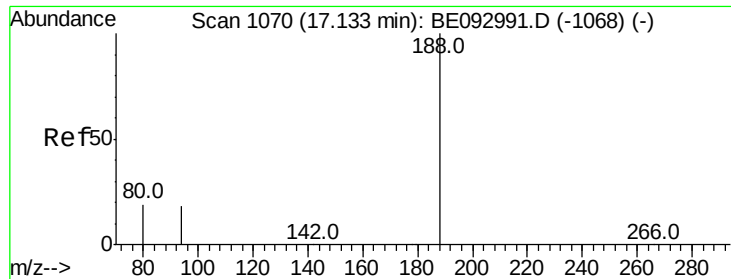
Tot Ion:154 Resp: 884
Ion Ratio Lower Upper
154 100
153 465.3 367.8 551.6
152 235.4 188.2 282.2



#18
Fluorene
Concen: 0.20 ng
RT: 15.44 min Scan# 973
Delta R.T. 0.01 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

Tgt Ion:166 Resp: 1086
Ion Ratio Lower Upper
166 100
165 99.5 78.6 117.8
167 14.3 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

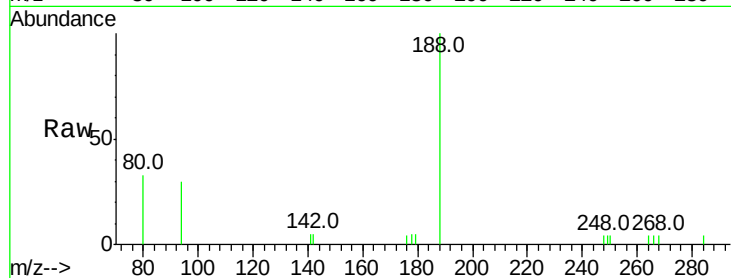
Tot Ion:188 Resp: 3155

Ion Ratio Lower Upper

188 100

94 29.7 11.3 16.9#

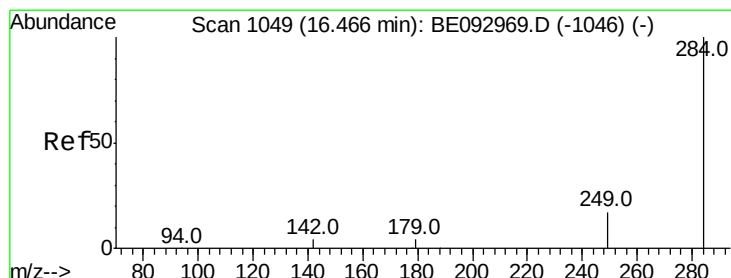
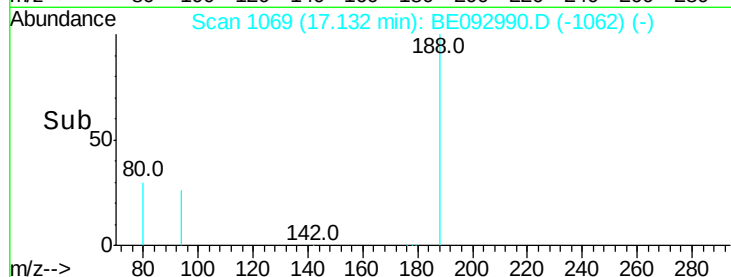
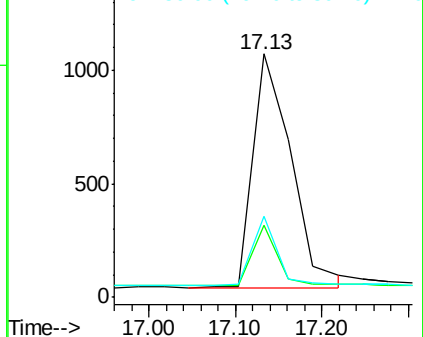
80 33.5 11.7 17.5#



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



#20

4-Bromophenyl-phenylether

Concen: 0.24 ng

RT: 16.36 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

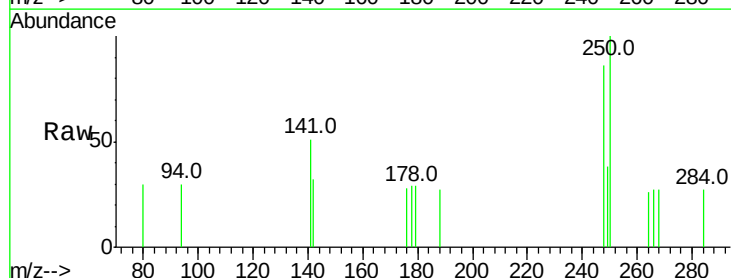
Tgt Ion:248 Resp: 243

Ion Ratio Lower Upper

248 100

250 116.7 100.0 150.0

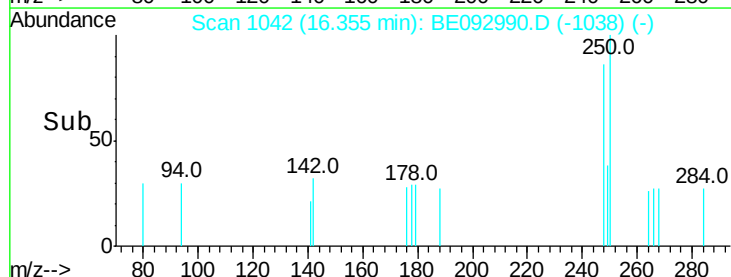
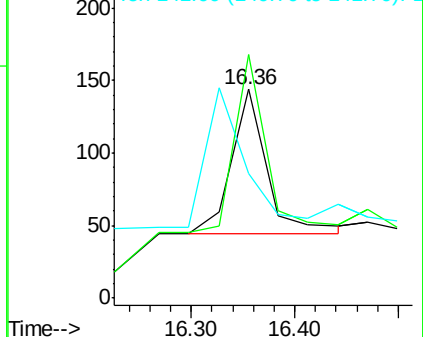
141 59.7 40.0 60.0

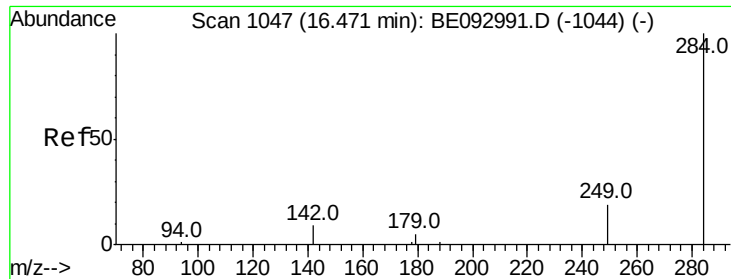


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

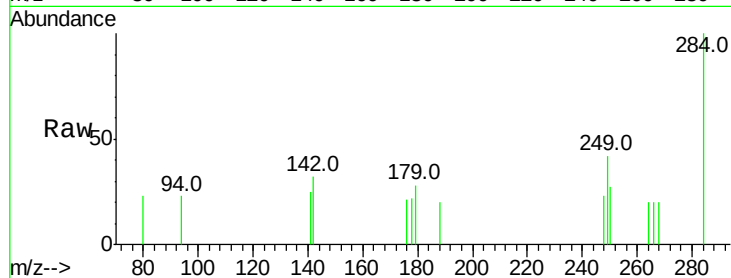




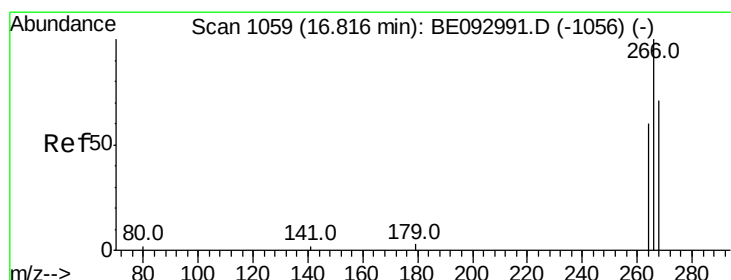
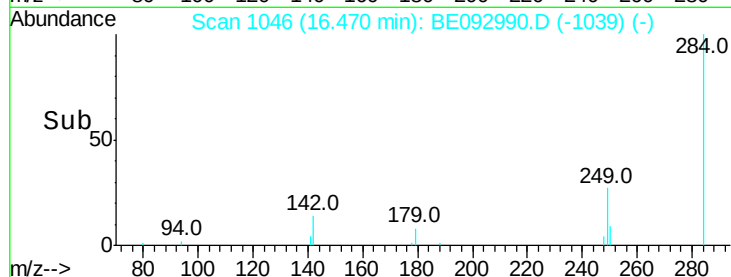
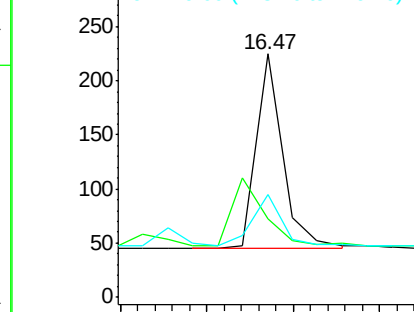
#21
Hexachlorobenzene
Concen: 0.24 ng
RT: 16.47 min Scan# 1046
Delta R.T. 0.01 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 382
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 28.0 0.0 0.0#

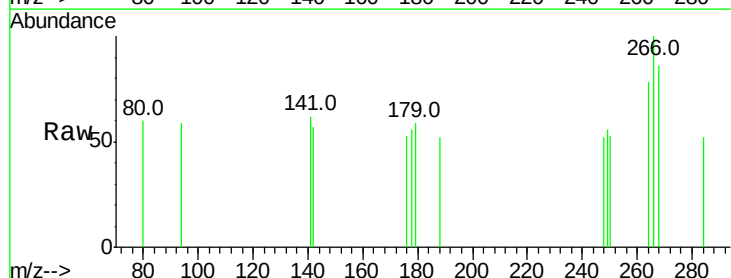


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

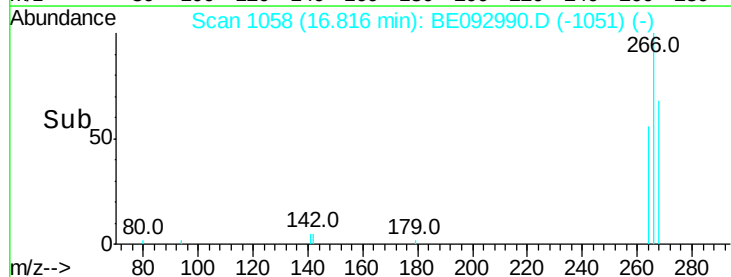
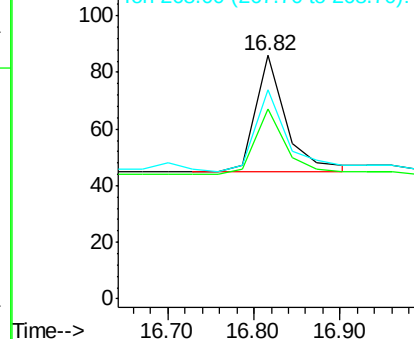


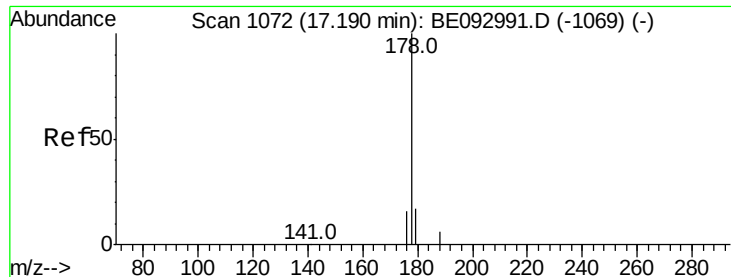
#22
Pentachlorophenol
Concen: 0.21 ng
RT: 16.82 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

Tgt Ion:266 Resp: 100
Ion Ratio Lower Upper
266 100
264 77.9 58.2 87.2
268 86.0 71.9 107.9



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E

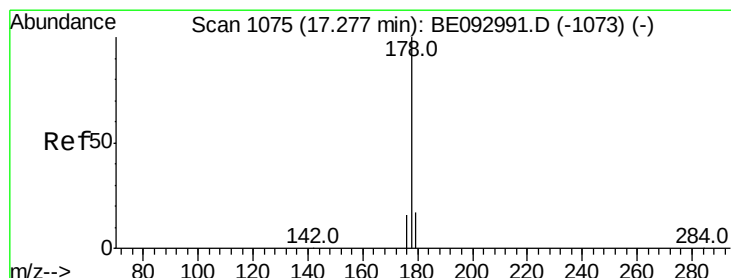
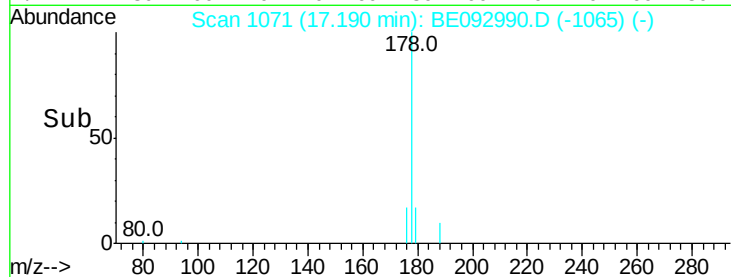
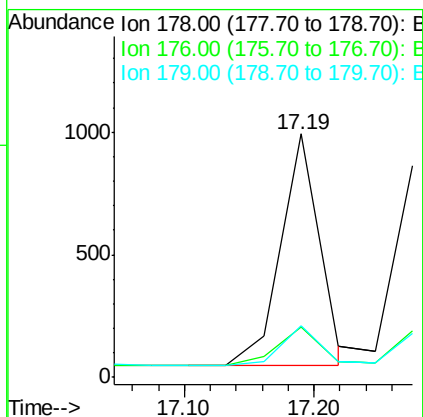
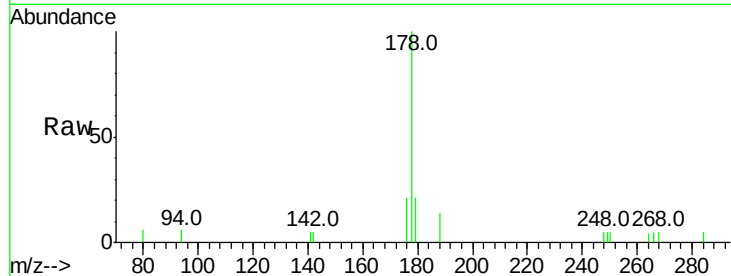




#23
Phenanthrene
Concen: 0.25 ng
RT: 17.19 min Scan# 1071
Delta R.T. 0.01 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

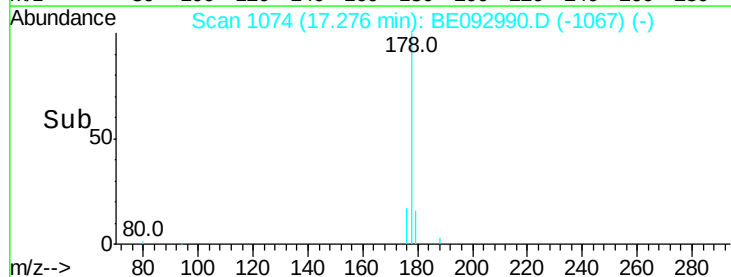
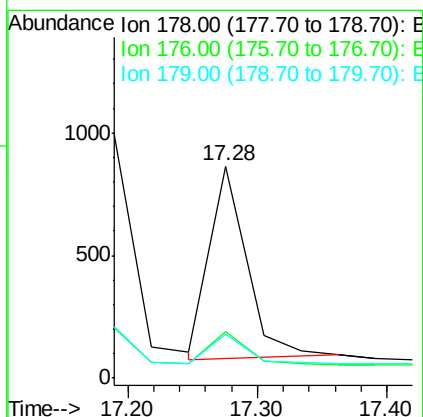
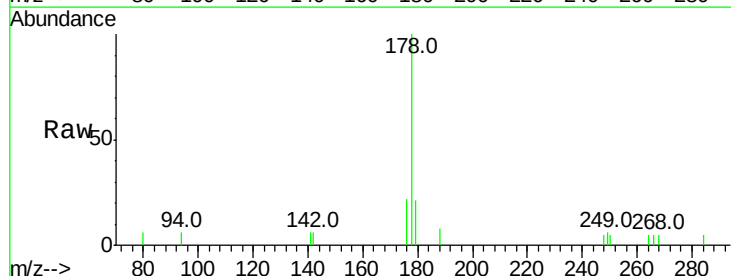
Instrument :
BNA_E
ClientSampleId :

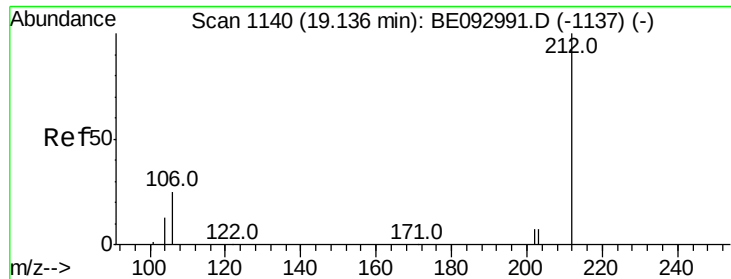
Tot Ion:178 Resp: 1968
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 16.3 12.7 19.1



#24
Anthracene
Concen: 0.23 ng
RT: 17.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

Tgt Ion:178 Resp: 1578
Ion Ratio Lower Upper
178 100
176 17.5 14.6 22.0
179 15.5 12.0 18.0

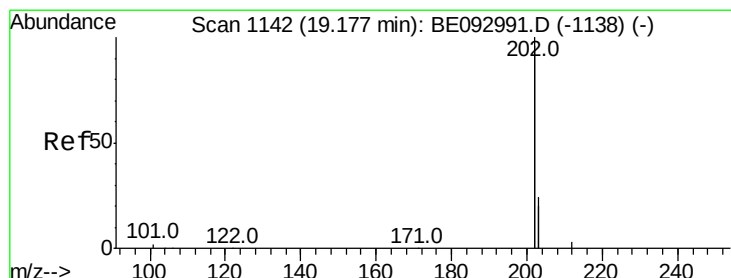
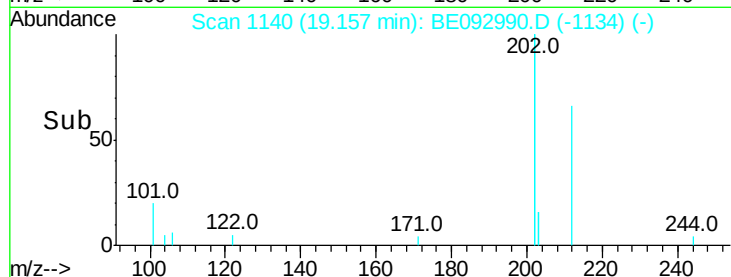
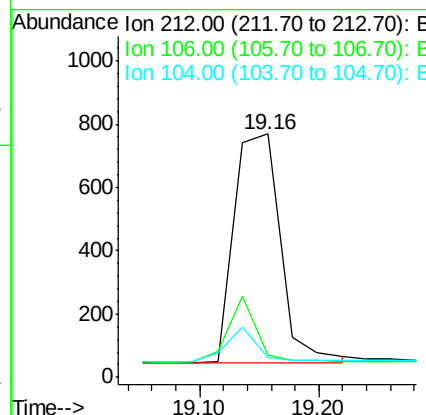
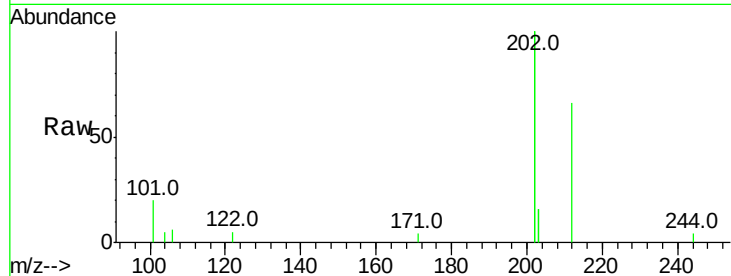




#25
Fluoranthene-d10
Concen: 0.23 ng
RT: 19.16 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

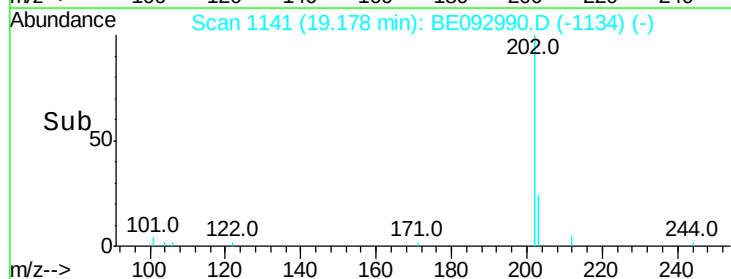
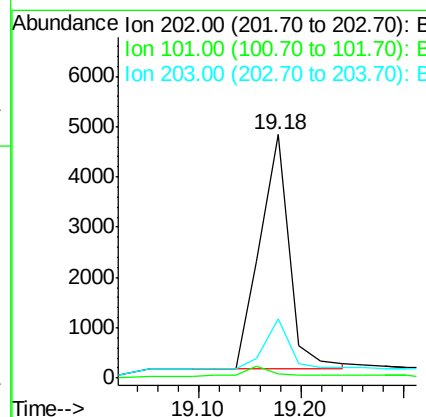
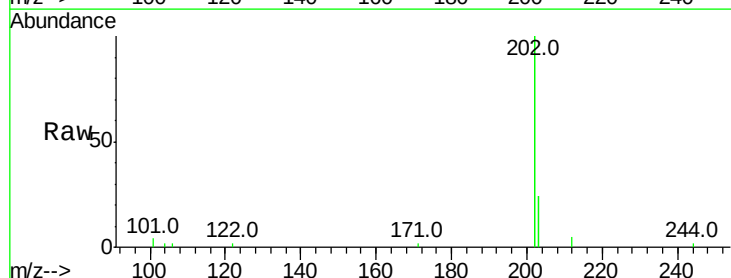
Instrument :
BNA_E
ClientSampled :

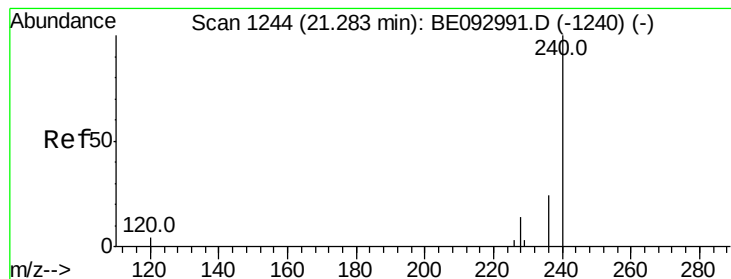
Tot Ion	Ratio	Lower	Upper
212	100		
106	0.0	0.0	0.0
104	0.0	0.0	0.0



#26
Fluoranthene
Concen: 0.23 ng
RT: 19.18 min Scan# 1141
Delta R.T. 0.01 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	0.0
203	18.0	14.4	21.6





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

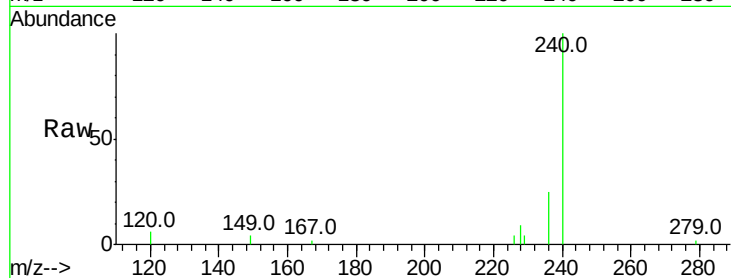
Tot Ion:240 Resp: 3768

Ion Ratio Lower Upper

240 100

120 6.1 4.6 7.0

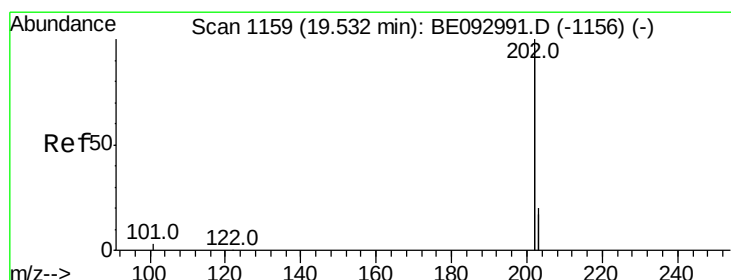
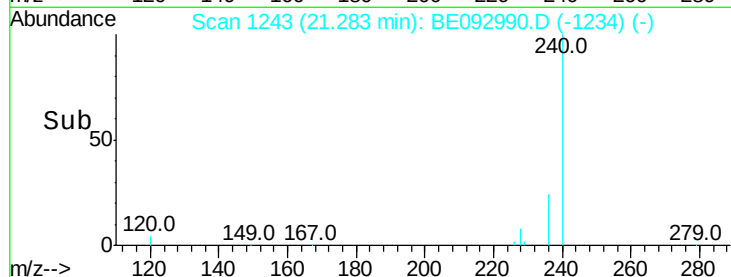
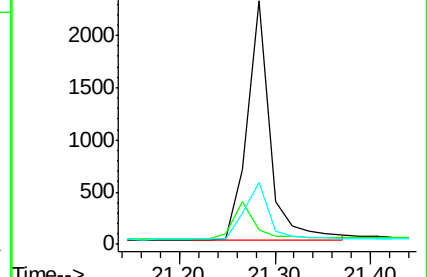
236 25.3 20.8 31.2



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



#28

Pyrene

Concen: 0.22 ng

RT: 19.53 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

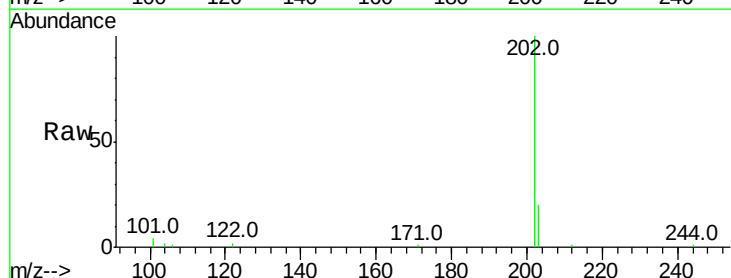
Tgt Ion:202 Resp: 10473

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

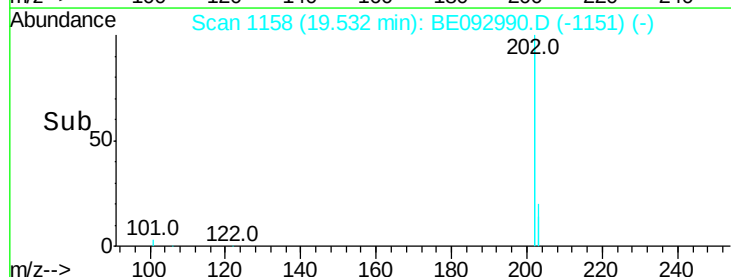
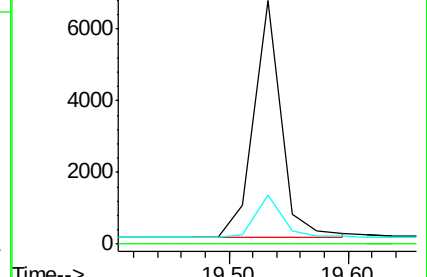
203 17.5 13.7 20.5

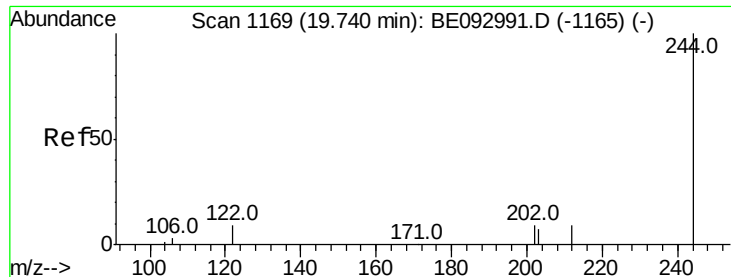


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.20 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

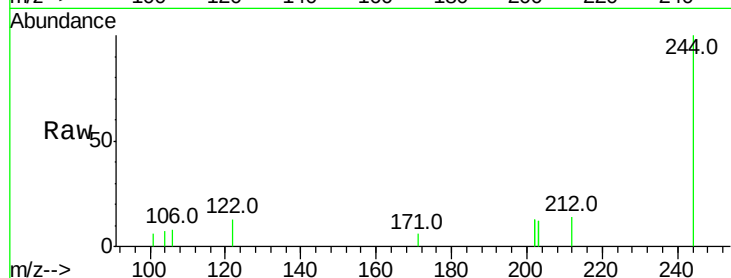
Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampled :



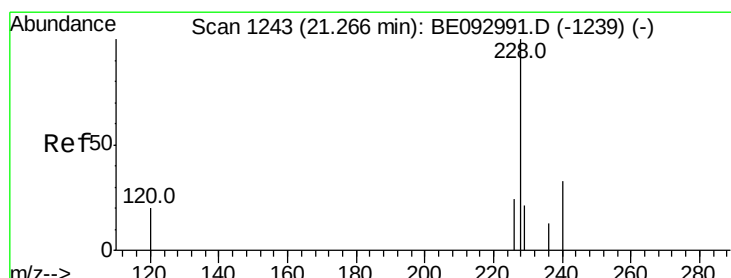
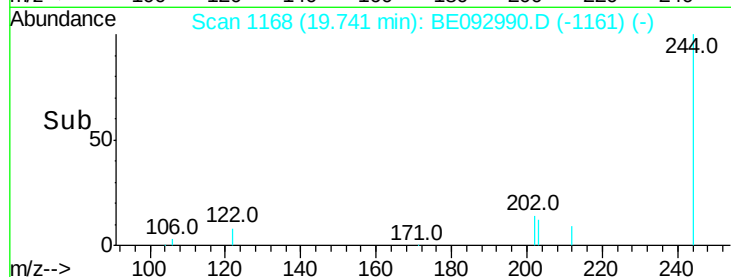
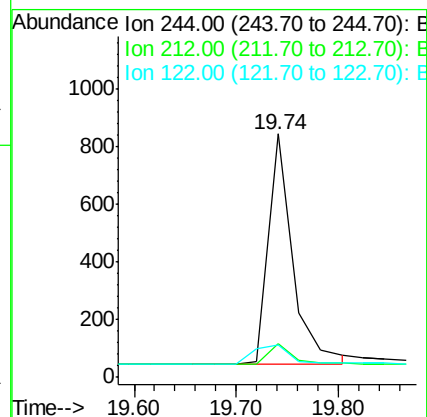
Tot Ion:244 Resp: 1345

Ion Ratio Lower Upper

244 100

212 14.1 10.6 16.0

122 13.5 15.4 23.0#



#30

Benzo(a)anthracene

Concen: 0.20 ng

RT: 21.27 min Scan# 1242

Delta R.T. 0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

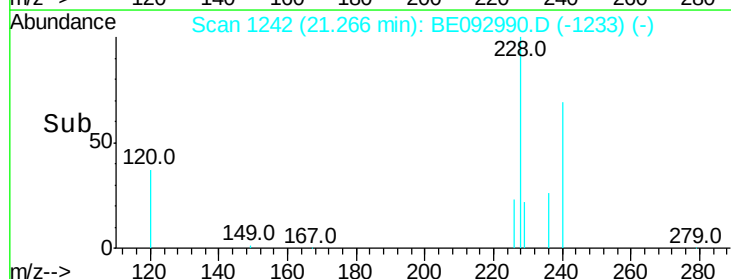
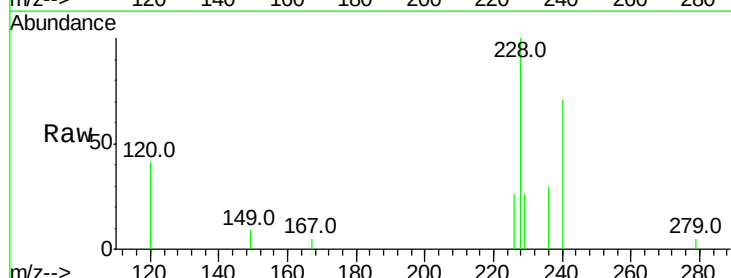
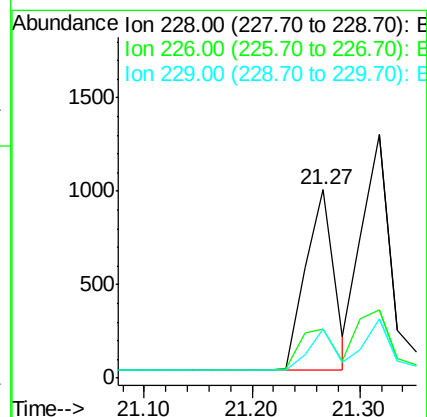
Tgt Ion:228 Resp: 1761

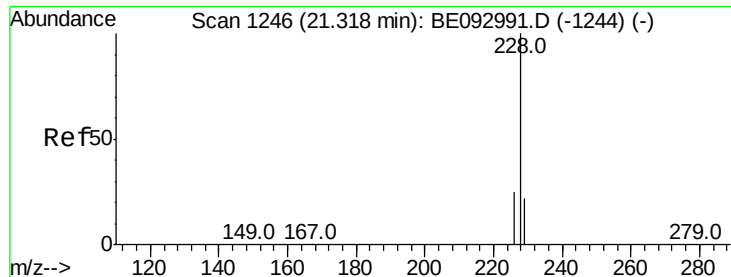
Ion Ratio Lower Upper

228 100

226 26.2 19.7 29.5

229 25.9 19.2 28.8





#31

Chrysene

Concen: 0.21 ng

RT: 21.32 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

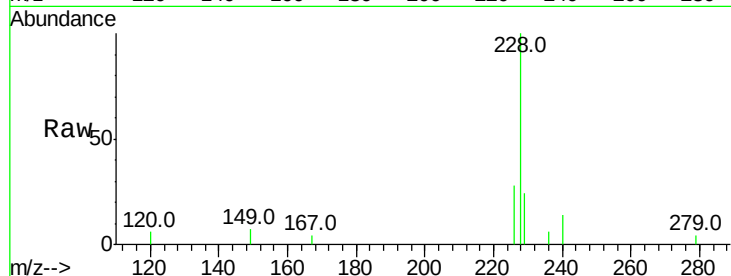
Tot Ion:228 Resp: 2423

Ion Ratio Lower Upper

228 100

226 28.1 21.5 32.3

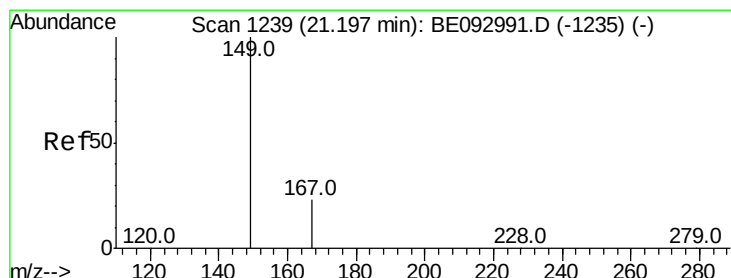
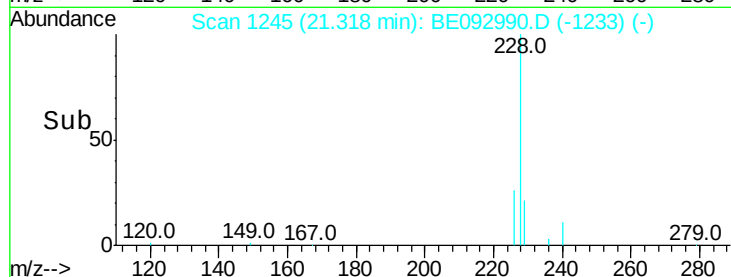
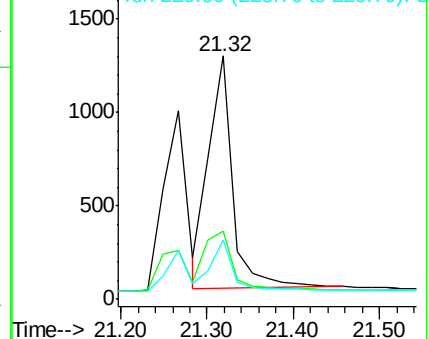
229 24.1 18.6 28.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.20 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

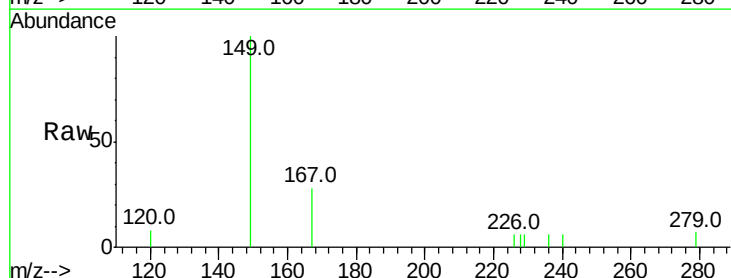
Tgt Ion:149 Resp: 798

Ion Ratio Lower Upper

149 100

167 24.8 20.1 30.1

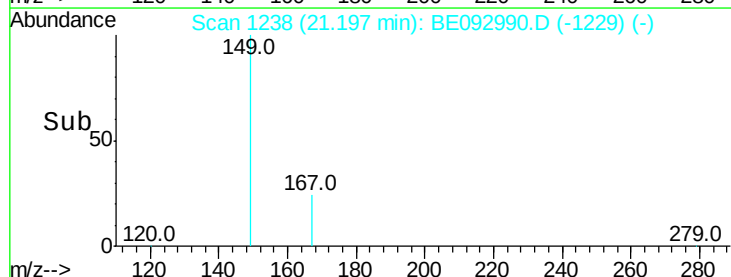
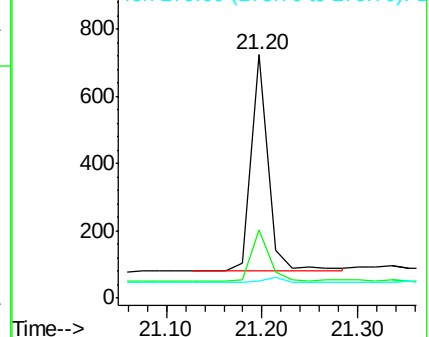
279 3.4 2.2 3.4#

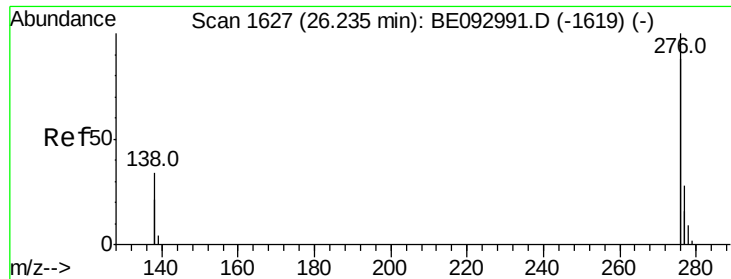


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.20 ng

RT: 26.25 min Scan# 1627

Delta R.T. 0.02 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

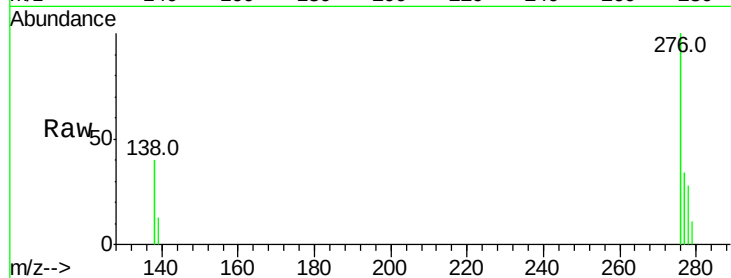
Tot Ion:276 Resp: 7426

Ion Ratio Lower Upper

276 100

138 33.9 27.4 41.2

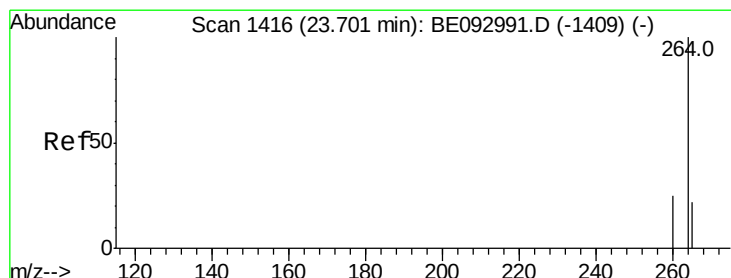
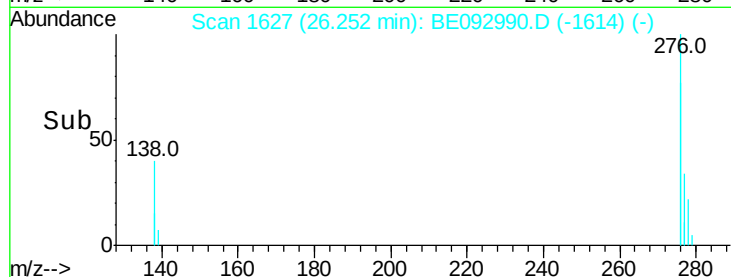
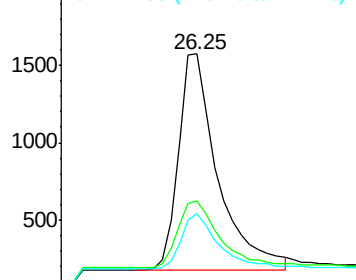
277 24.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

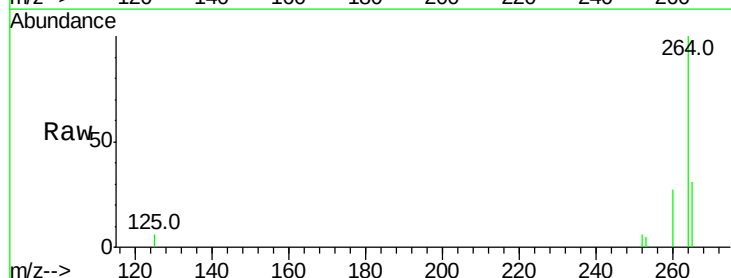
Tgt Ion:264 Resp: 3174

Ion Ratio Lower Upper

264 100

260 27.3 21.0 31.4

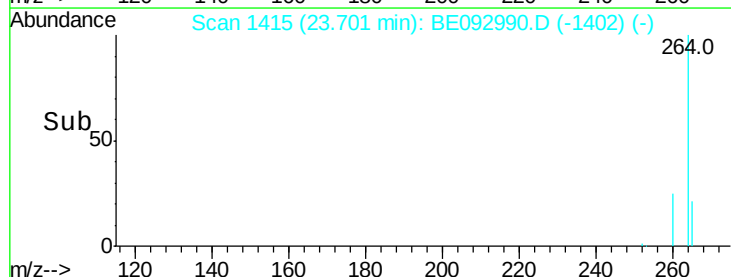
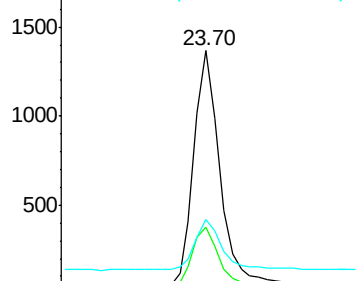
265 30.6 24.6 36.8

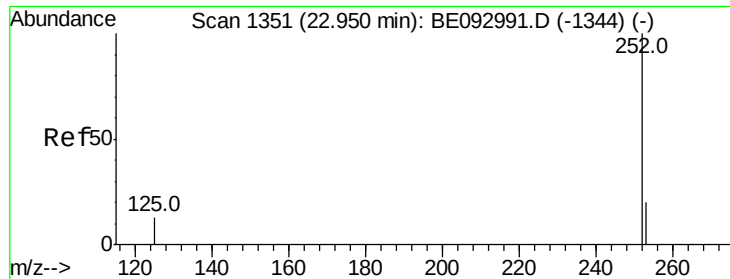


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.16 ng

RT: 23.01 min Scan# 1355

Delta R.T. 0.06 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :

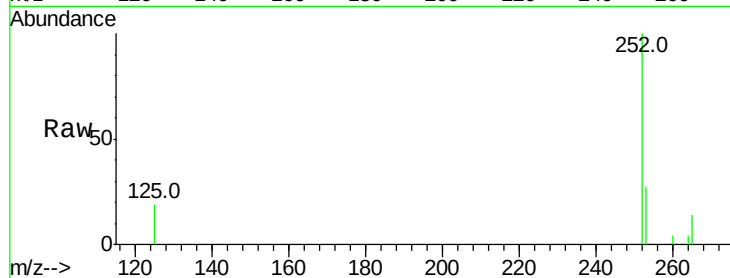
Tot Ion:252 Resp: 1666

Ion Ratio Lower Upper

252 100

253 27.0 18.5 27.7

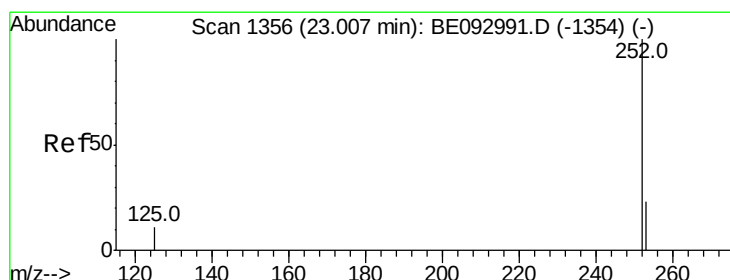
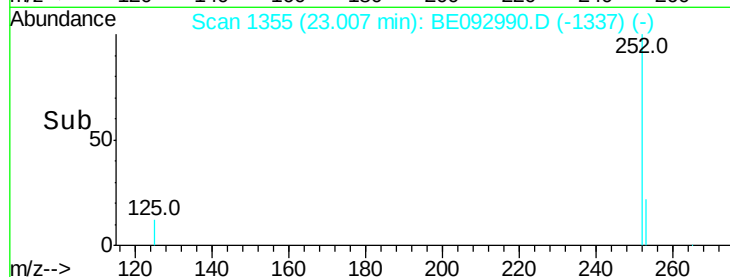
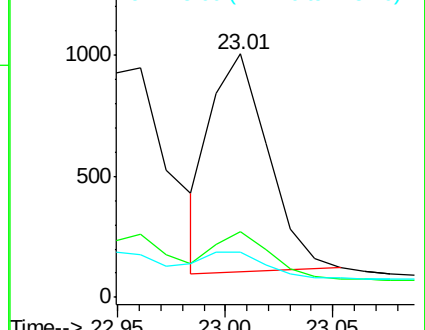
125 18.7 13.4 20.0



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

Benzo(k)fluoranthene

Concen: 0.19 ng

RT: 23.01 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BE092990.D

Acq: 11 May 2017 11:22

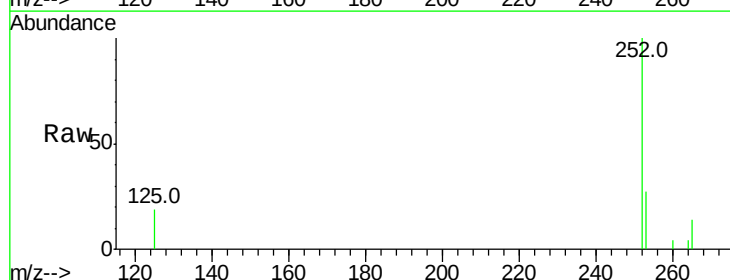
Tgt Ion:252 Resp: 1881

Ion Ratio Lower Upper

252 100

253 27.0 20.3 30.5

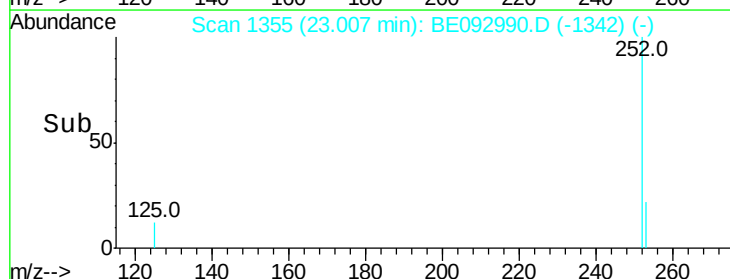
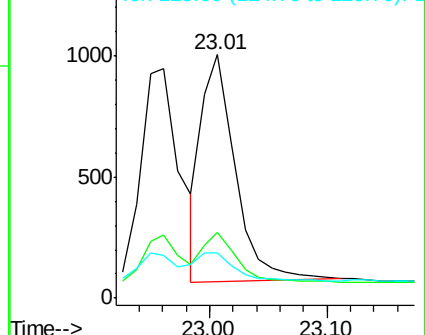
125 18.7 12.2 18.4#

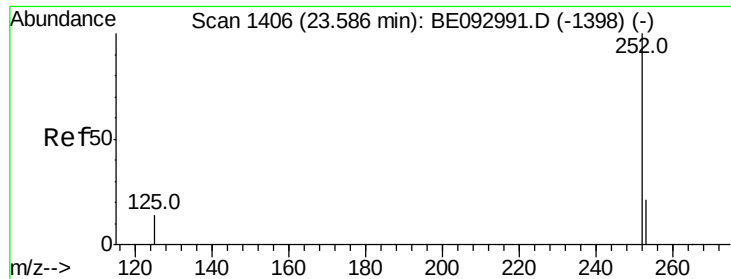


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

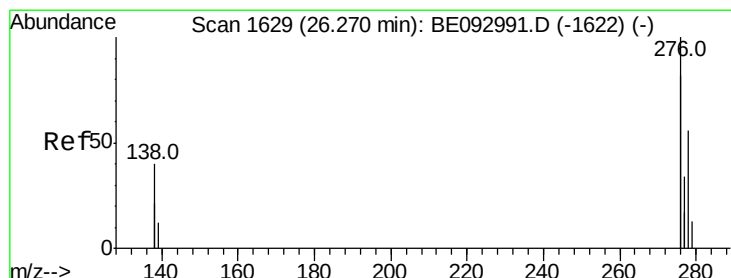
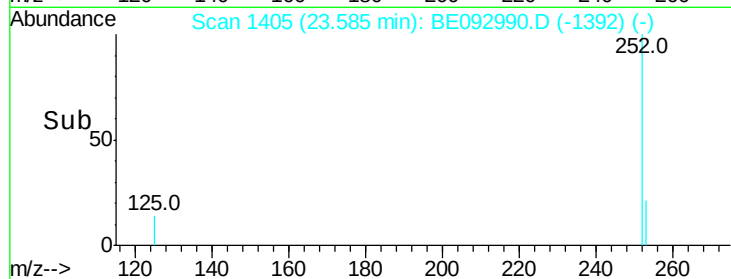
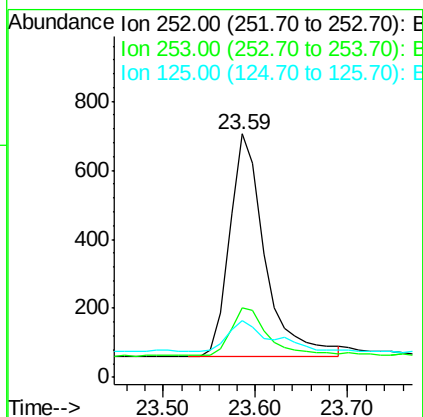
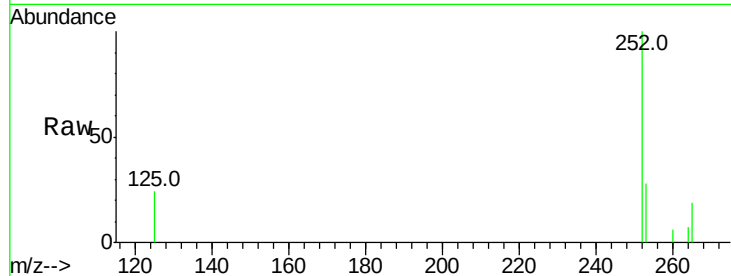




#37
Benzo(a)pyrene
Concen: 0.20 ng
RT: 23.59 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

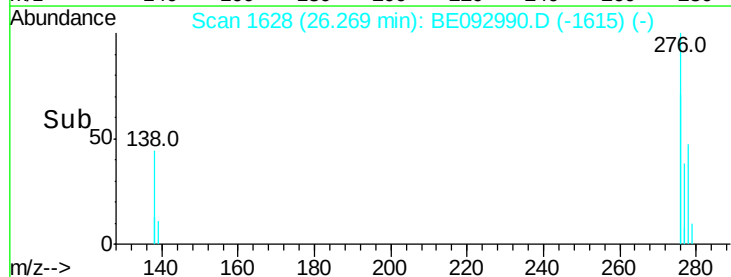
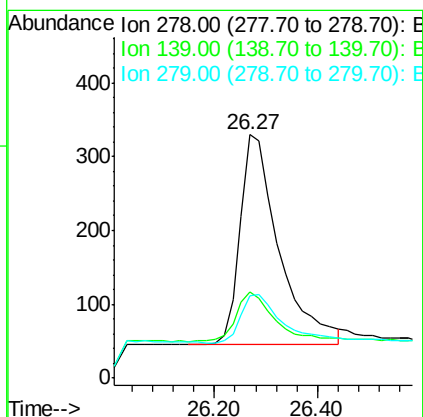
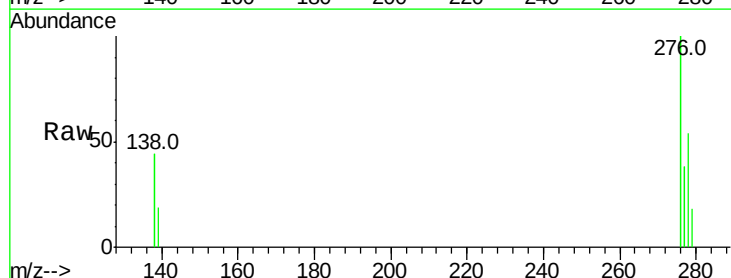
Instrument :
BNA_E
ClientSampleId :

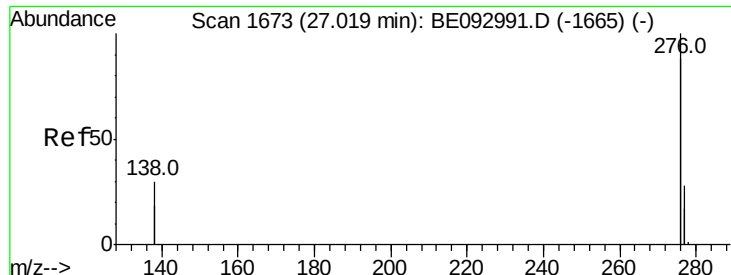
Tot Ion:252 Resp: 1725
Ion Ratio Lower Upper
252 100
253 28.3 19.9 29.9
125 23.5 14.6 21.8#



#38
Dibenzo(a,h)anthracene
Concen: 0.19 ng
RT: 26.27 min Scan# 1628
Delta R.T. 0.02 min
Lab File: BE092990.D
Acq: 11 May 2017 11:22

Tgt Ion:278 Resp: 1502
Ion Ratio Lower Upper
278 100
139 35.5 21.4 32.0#
279 33.9 22.2 33.2#





#39

Benzo(a,h,i)perylene

Concen: 0.20 ng

RT: 27.02 min Scan# 1672

Delta R.T. 0.02 min

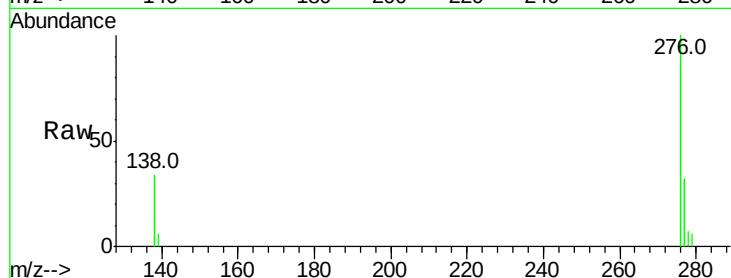
Lab File: BE092990.D

Acq: 11 May 2017 11:22

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 7107

Ion Ratio Lower Upper

276 100

277 32.0 21.2 31.8#

138 33.8 24.5 36.7

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

