

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051117\
 Data File : BE092995.D
 Acq On : 11 May 2017 14:27
 Operator : SJ/MA
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 11 16:40:41 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 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	716	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	2872	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1402	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3497	0.40	ng	0.00
27) Chrysene-d12	21.28	240	3809	0.40	ng	0.00
34) Perylene-d12	23.70	264	3138	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	760	0.39	ng	0.00
5) Phenol-d6	6.92	99	973	0.40	ng	-0.02
8) Nitrobenzene-d5	8.88	82	875	0.39	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	1640	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	143	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2197	0.40	ng	0.00
25) Fluoranthene-d10	19.14	212	3636	0.39	ng	-0.02
29) Terphenyl-d14	19.74	244	2590	0.38	ng	0.00

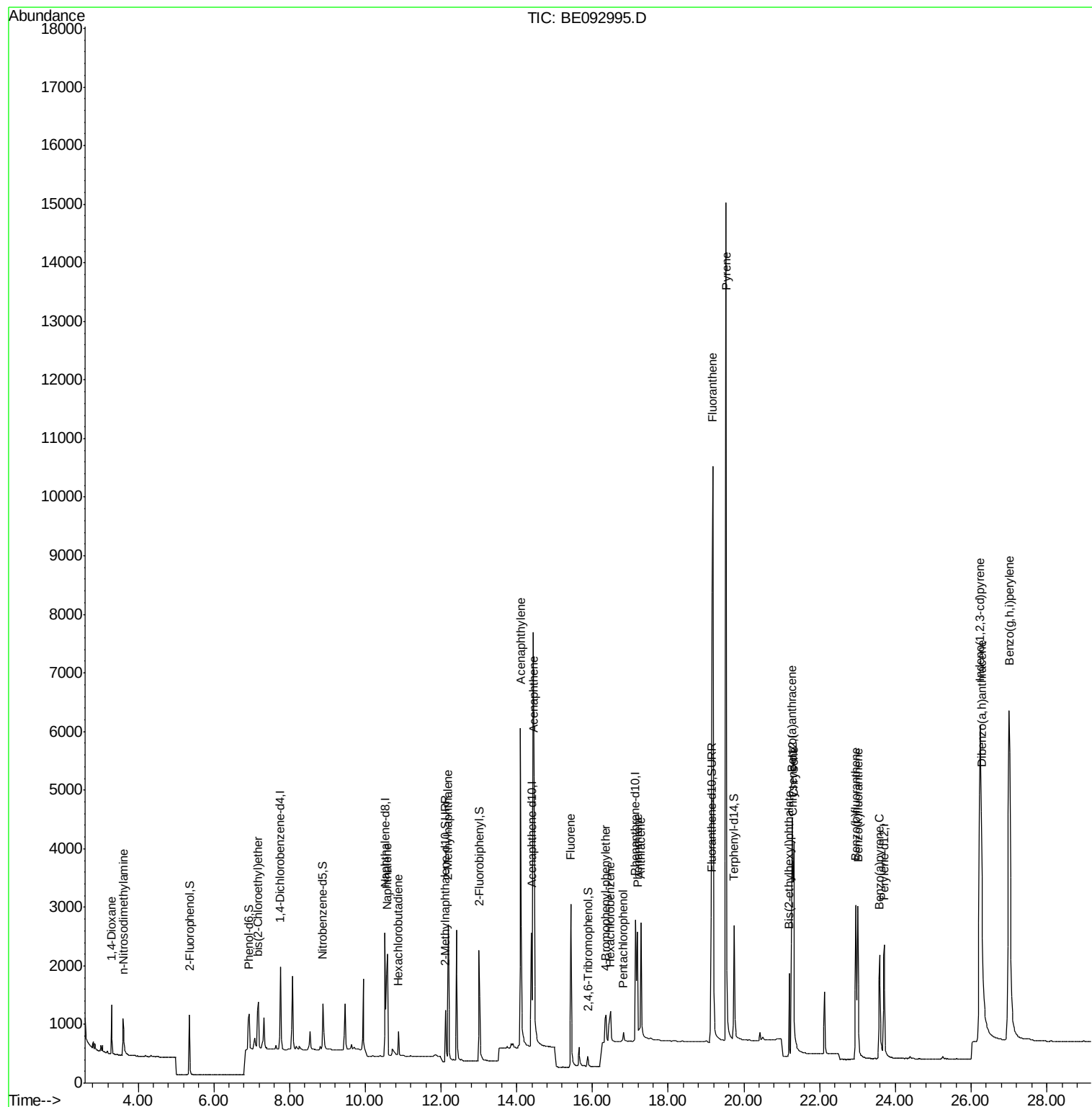
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	559	0.39	ng	100
3) n-Nitrosodimethylamine	3.61	42	484	0.39	ng	# 97
6) bis(2-Chloroethyl)ether	7.18	93	969	0.40	ng	# 98
9) Naphthalene	10.58	128	3096	0.40	ng	99
10) Hexachlorobutadiene	10.87	225	428	0.41	ng	99
12) 2-Methylnaphthalene	12.19	142	1772	0.40	ng	100
16) Acenaphthylene	14.10	152	8947	0.38	ng	99
17) Acenaphthene	14.46	154	1708	0.39	ng	98
18) Fluorene	15.43	166	2110	0.39	ng	99
20) 4-Bromophenyl-phenylether	16.36	248	430	0.38	ng	94
21) Hexachlorobenzene	16.47	284	701	0.42	ng	# 100
22) Pentachlorophenol	16.82	266	159	0.43	ng	95
23) Phenanthrene	17.19	178	3206	0.41	ng	99
24) Anthracene	17.28	178	3066	0.42	ng	98
26) Fluoranthene	19.18	202	18030	0.40	ng	# 100
28) Pyrene	19.53	202	19666	0.41	ng	# 99
30) Benzo(a)anthracene	21.27	228	3473	0.37	ng	100
31) Chrysene	21.32	228	4859	0.42	ng	99
32) Bis(2-ethylhexyl)phthalate	21.20	149	1343	0.39	ng	99
33) Indeno(1,2,3-cd)pyrene	26.24	276	15983	0.43	ng	99
35) Benzo(b)fluoranthene	22.95	252	3772	0.37	ng	99
36) Benzo(k)fluoranthene	23.01	252	4260	0.42	ng	99
37) Benzo(a)pyrene	23.58	252	3325	0.38	ng	100
38) Dibenzo(a,h)anthracene	26.27	278	3397	0.43	ng	99
39) Benzo(g,h,i)perylene	27.00	276	15120	0.42	ng	98

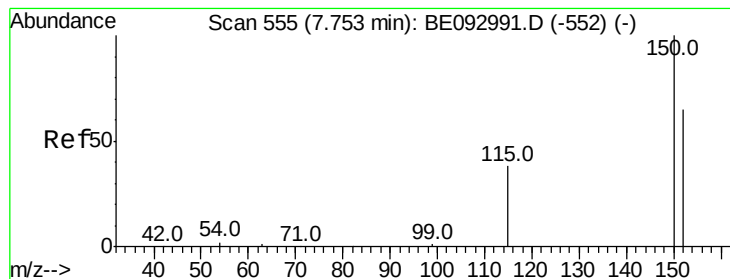
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

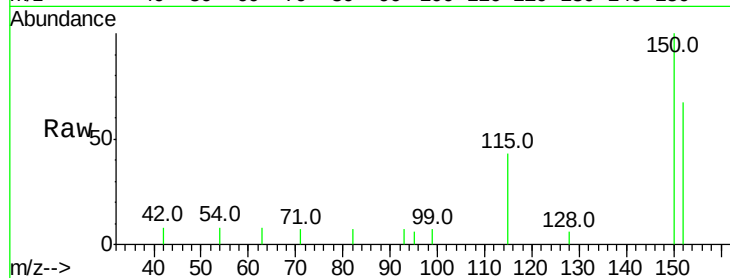
Tot Ion:152 Resp: 716

Ion Ratio Lower Upper

152 100

150 148.7 125.1 187.7

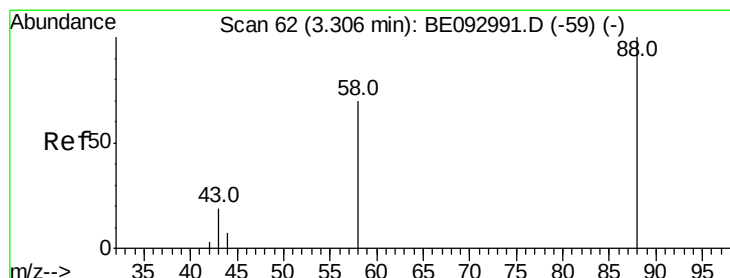
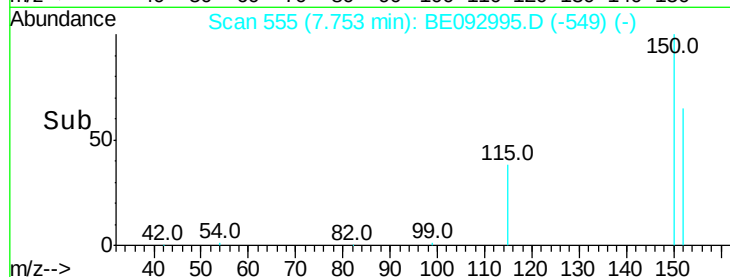
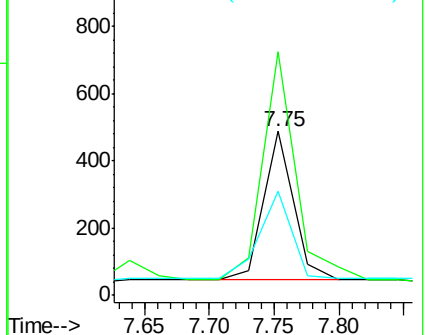
115 63.2 55.7 83.5



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: 0.39 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

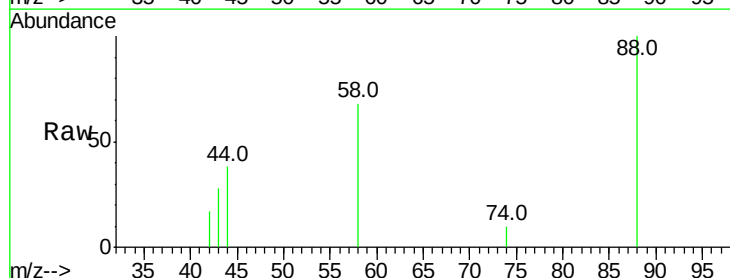
Tgt Ion: 88 Resp: 559

Ion Ratio Lower Upper

88 100

58 77.6 62.2 93.4

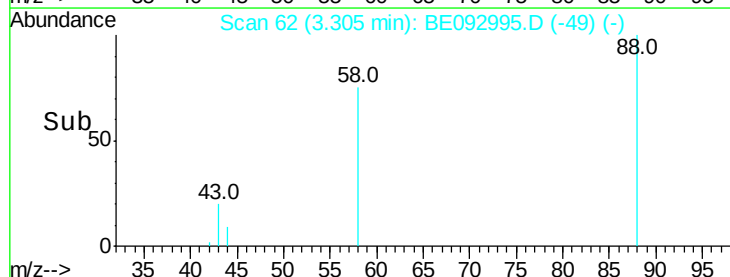
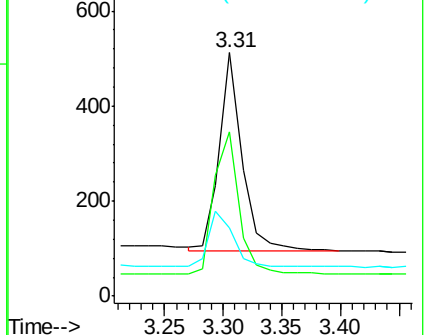
43 29.2 23.2 34.8

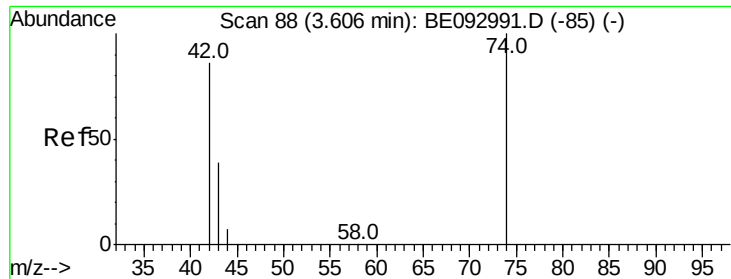


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



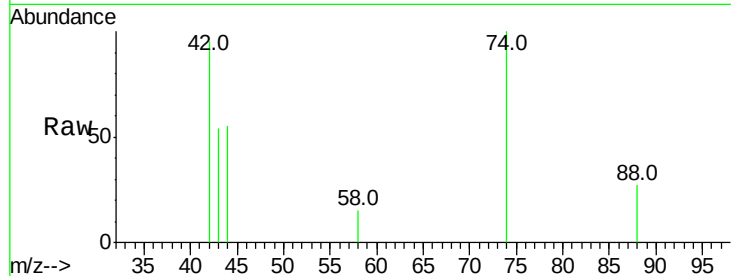


#3

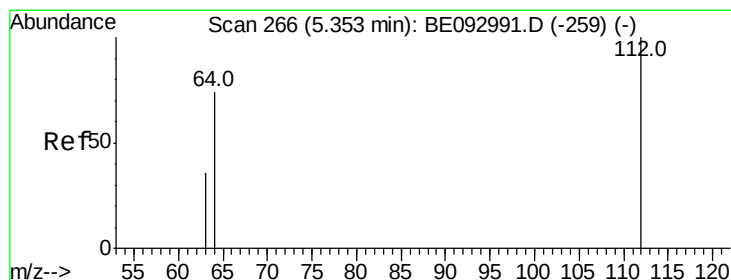
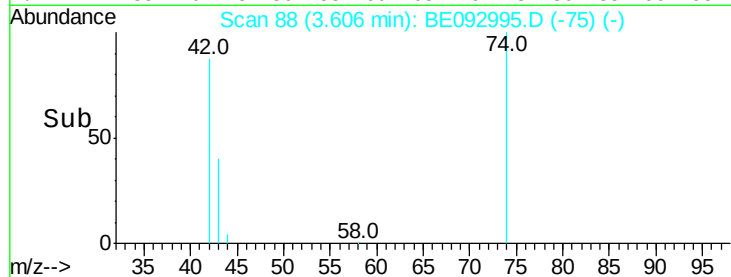
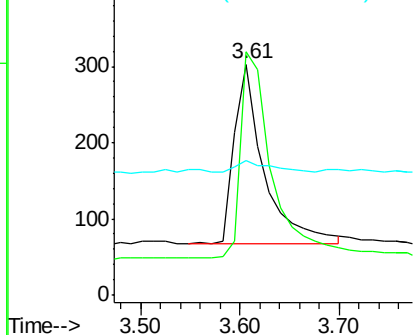
n-Nitrosodimethylamine
 Concen: 0.39 ng
 RT: 3.61 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: BE092995.D
 Acq: 11 May 2017 14:27

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 484
 Ion Ratio Lower Upper
 42 100
 74 121.1 99.1 148.7
 44 6.4 7.4 11.2#



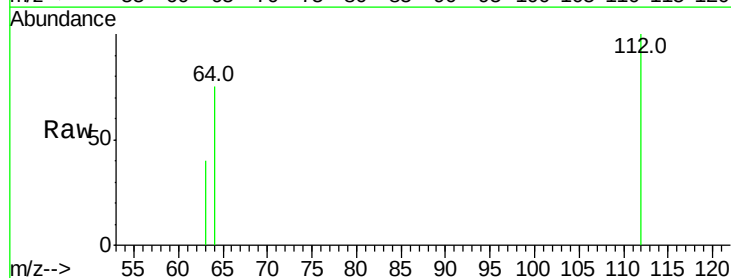
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



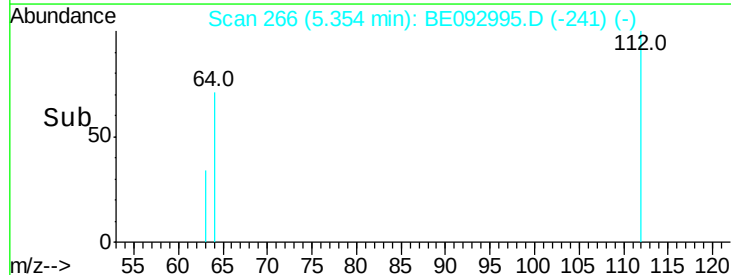
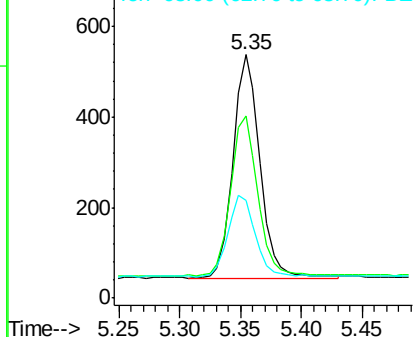
#4

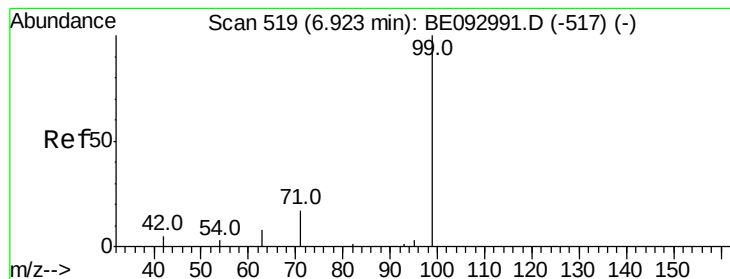
2-Fluorophenol
 Concen: 0.39 ng
 RT: 5.35 min Scan# 266
 Delta R.T. -0.00 min
 Lab File: BE092995.D
 Acq: 11 May 2017 14:27

Tgt Ion: 112 Resp: 760
 Ion Ratio Lower Upper
 112 100
 64 71.3 56.4 84.6
 63 36.6 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: 0.40 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

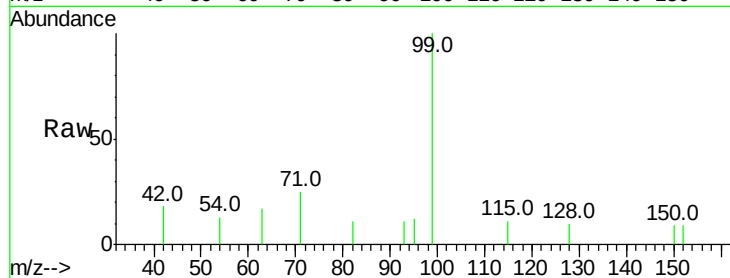
Tot Ion: 99 Resp: 973

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

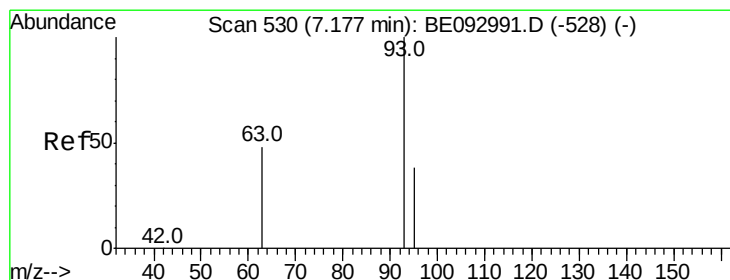
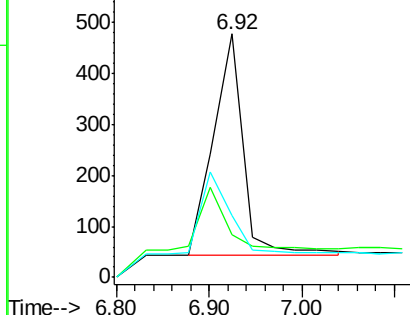
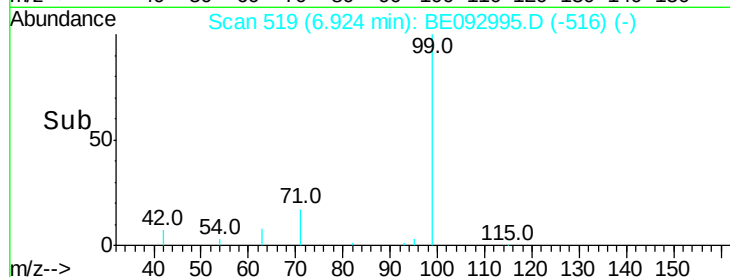
71 0.0 0.0 0.0



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: 0.40 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

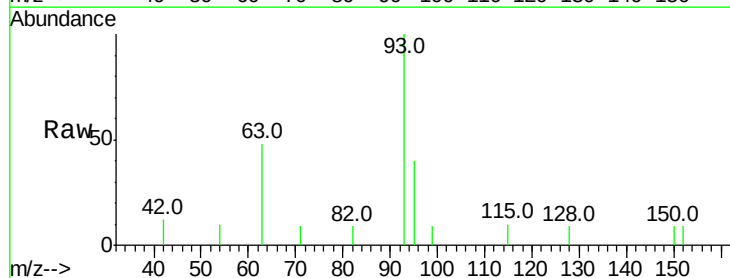
Tgt Ion: 93 Resp: 969

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

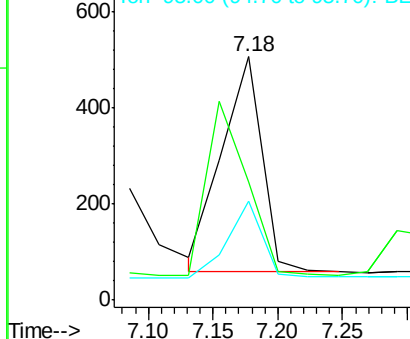
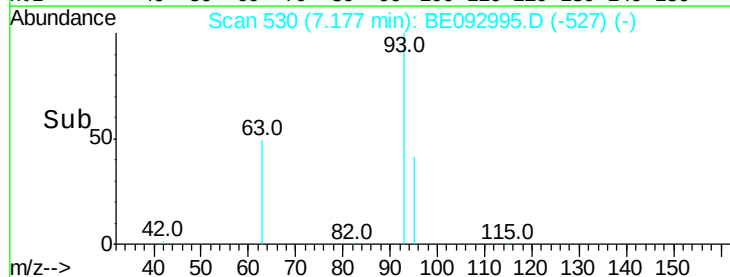
95 30.9 25.4 38.0

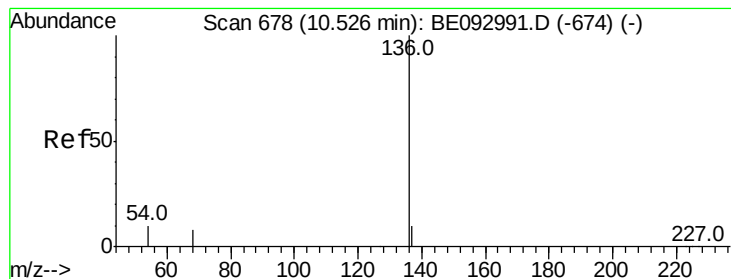


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2872

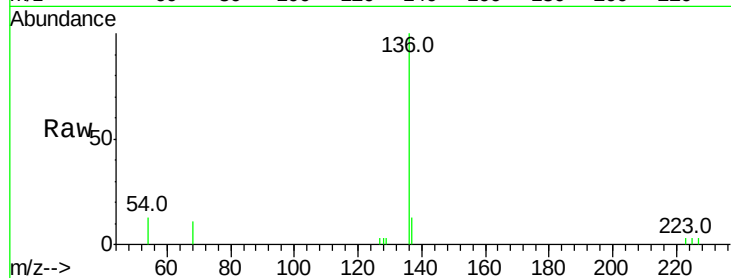
Ion Ratio Lower Upper

136 100

137 12.6 9.8 14.8

54 13.1 10.3 15.5

68 11.5 9.0 13.4

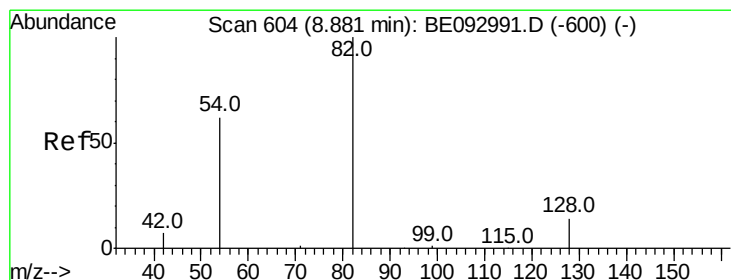
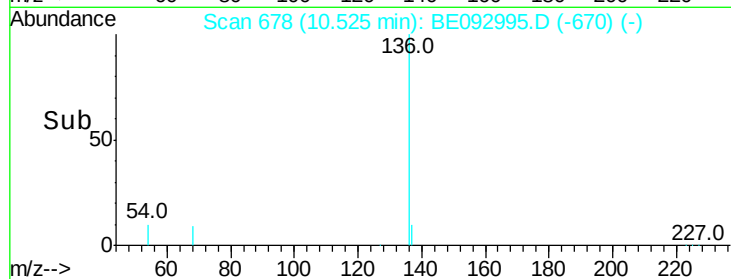
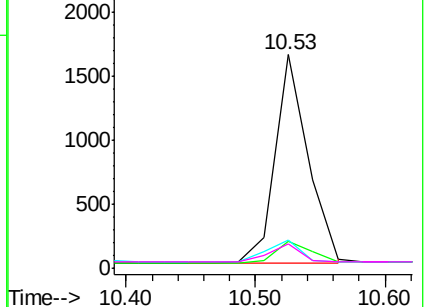


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.39 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

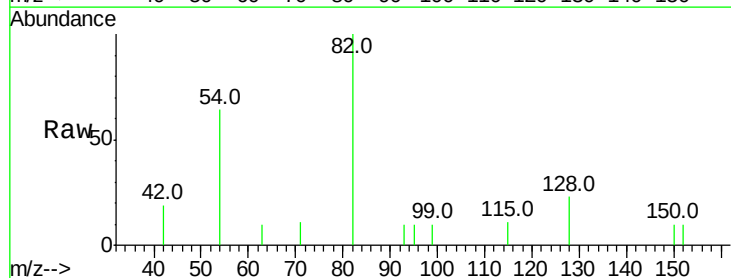
Tgt Ion: 82 Resp: 875

Ion Ratio Lower Upper

82 100

128 22.6 17.0 25.4

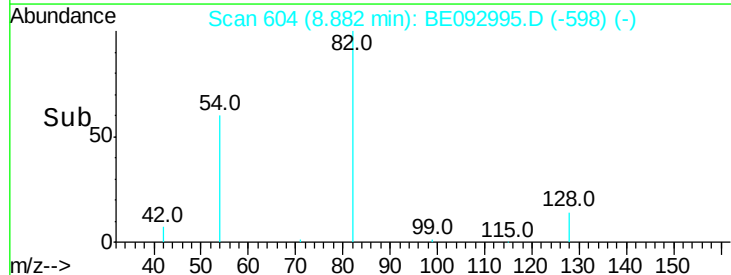
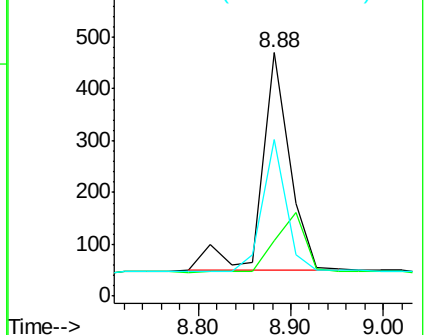
54 64.5 53.8 80.6

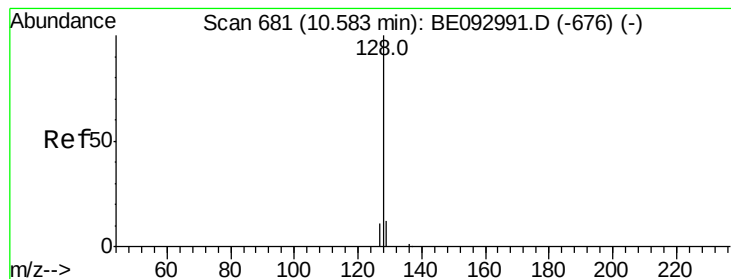


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.40 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

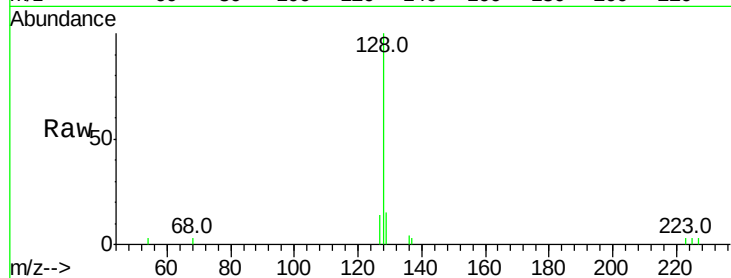
Tot Ion:128 Resp: 3096

Ion Ratio Lower Upper

128 100

129 14.6 11.4 17.0

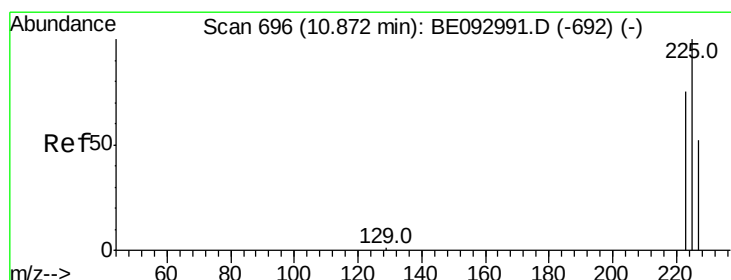
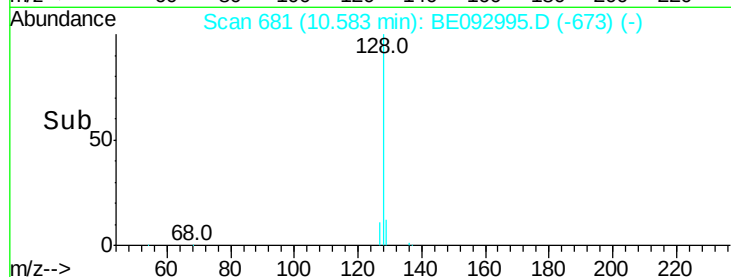
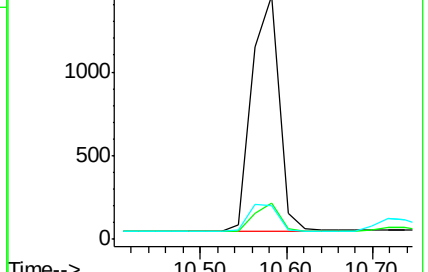
127 13.9 11.2 16.8



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: 0.41 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.02 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

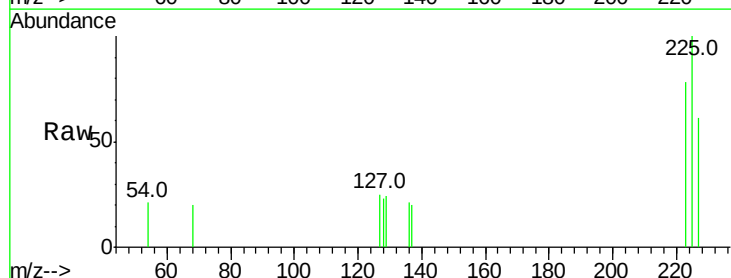
Tgt Ion:225 Resp: 428

Ion Ratio Lower Upper

225 100

223 61.9 49.7 74.5

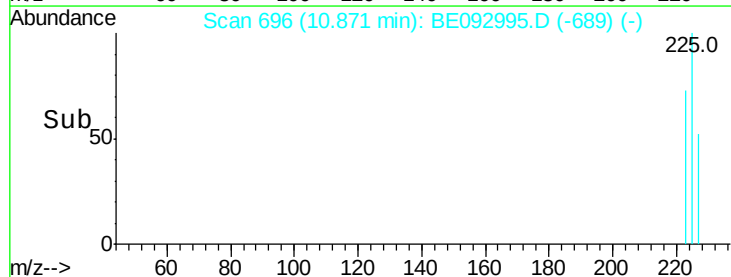
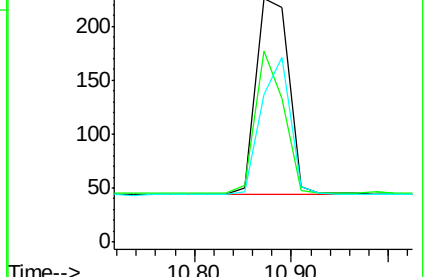
227 61.9 50.3 75.5

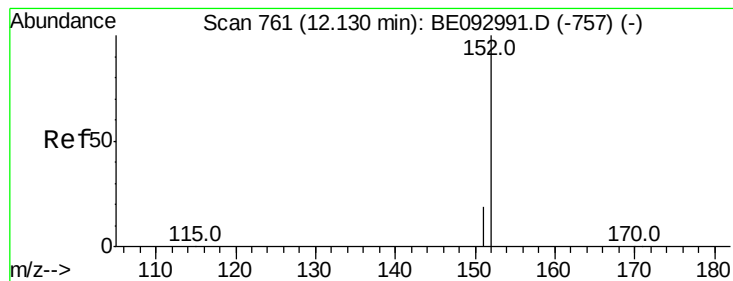


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

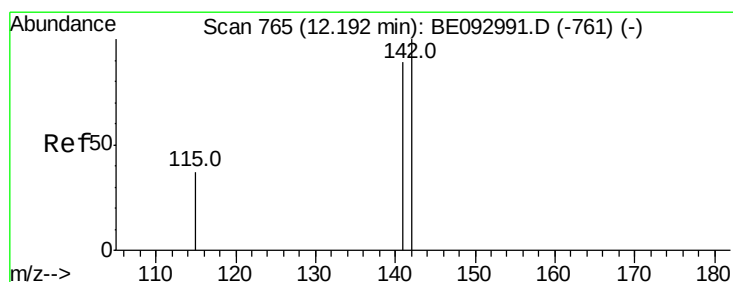
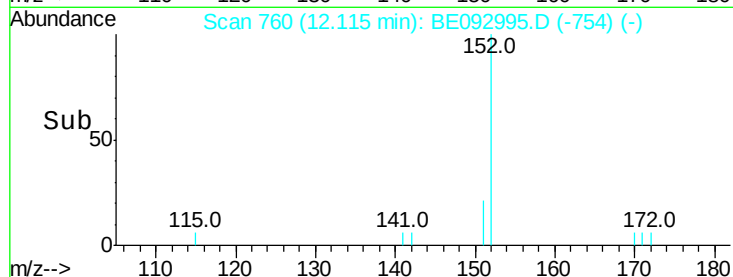
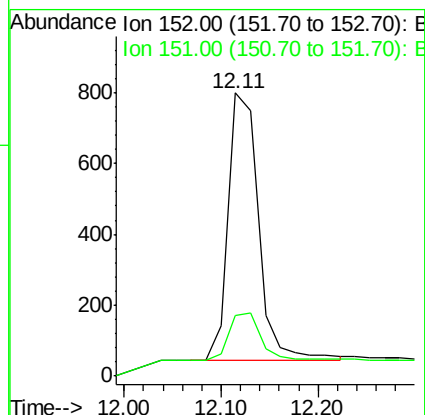
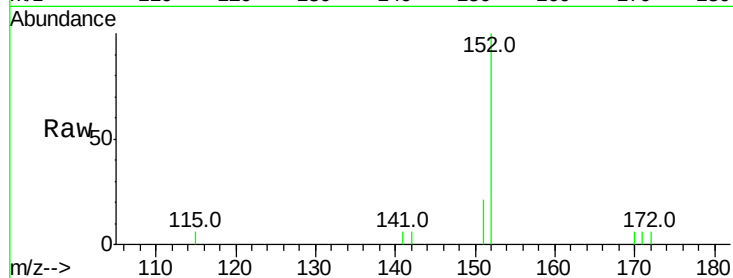




#11
2-Methylnaphthalene-d10
Concen: 0.40 ng
RT: 12.11 min Scan# 760
Delta R.T. -0.02 min
Lab File: BE092995.D
Acq: 11 May 2017 14:27

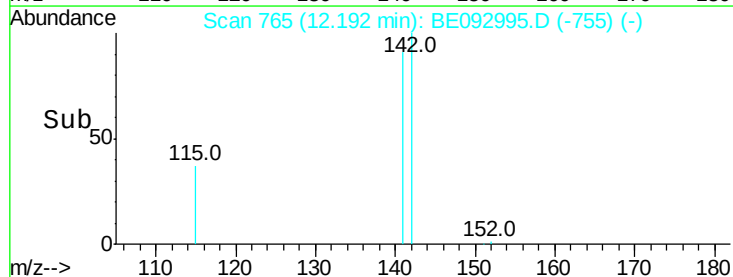
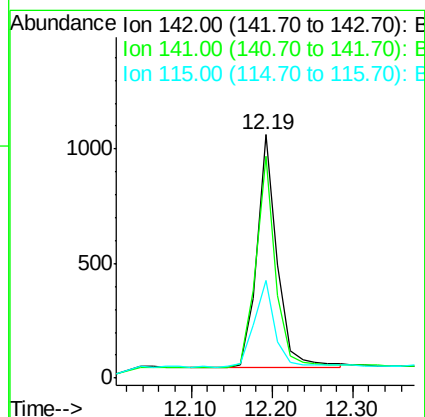
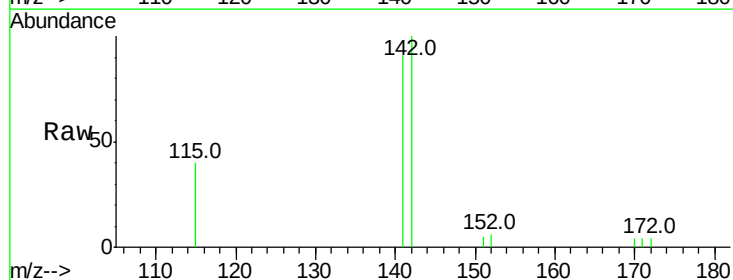
Instrument :
BNA_E
ClientSampleId :

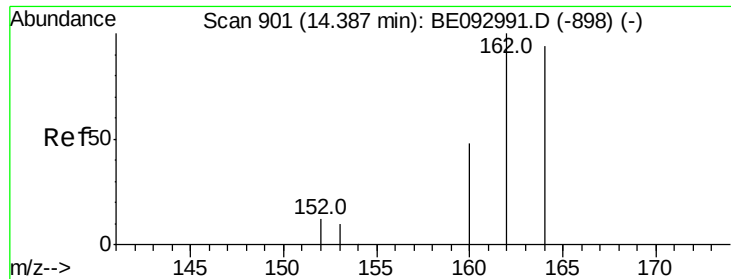
Tot Ion:152 Resp: 1640
Ion Ratio Lower Upper
152 100
151 18.6 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.19 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE092995.D
Acq: 11 May 2017 14:27

Tgt Ion:142 Resp: 1772
Ion Ratio Lower Upper
142 100
141 91.3 72.6 108.8
115 40.3 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: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

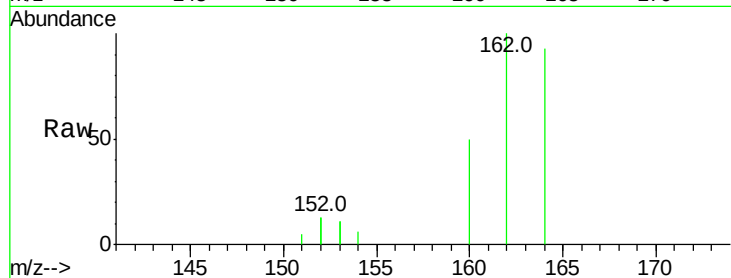
Tot Ion:164 Resp: 1402

Ion Ratio Lower Upper

164 100

162 107.7 84.6 127.0

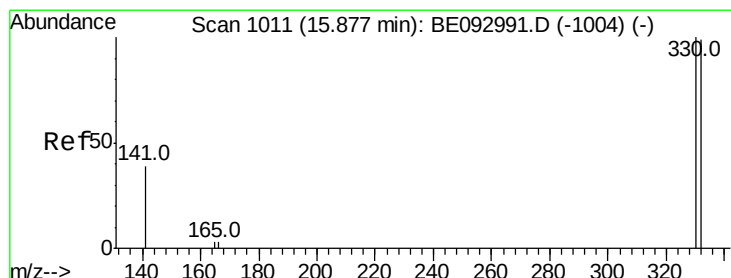
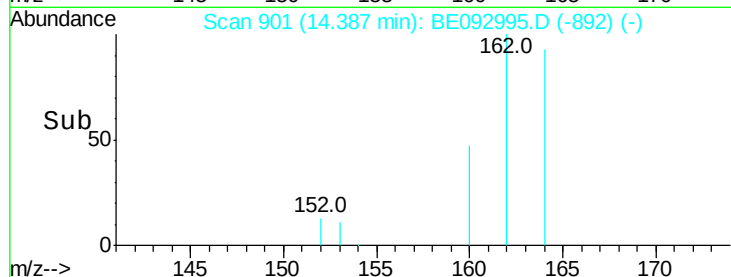
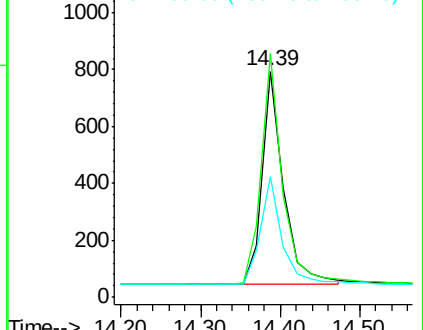
160 53.5 41.8 62.6



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: 0.37 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

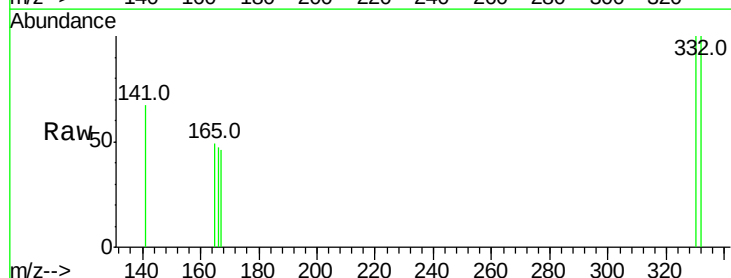
Tgt Ion:330 Resp: 143

Ion Ratio Lower Upper

330 100

332 96.5 77.7 116.5

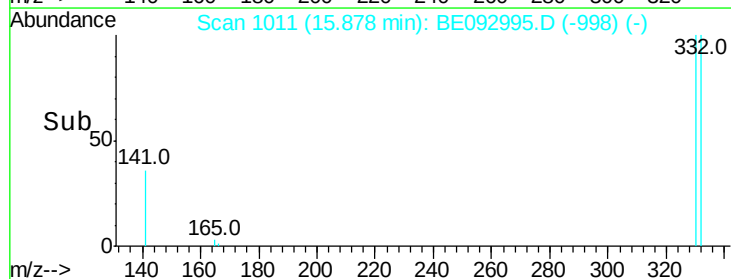
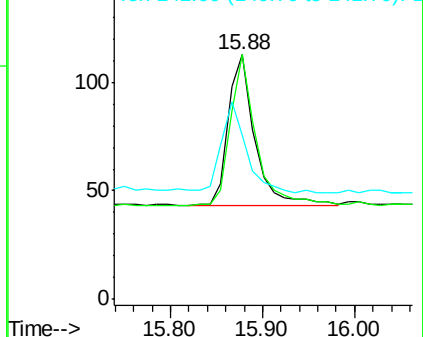
141 55.2 56.2 84.4#

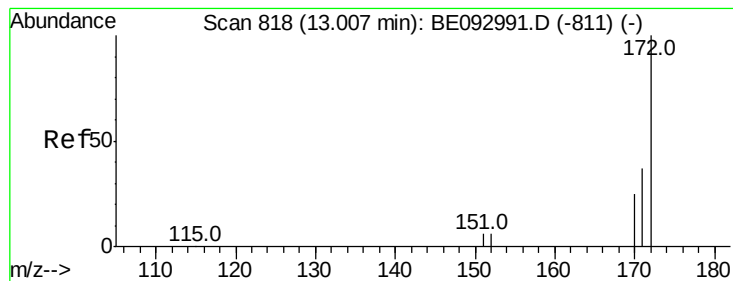


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

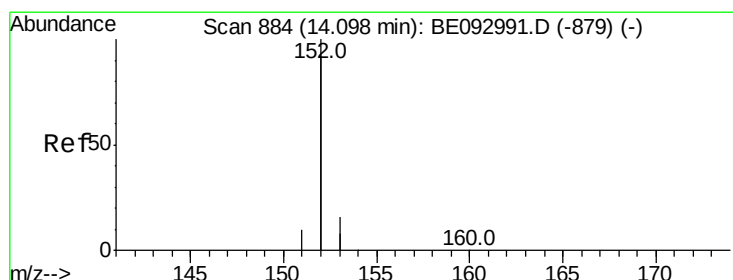
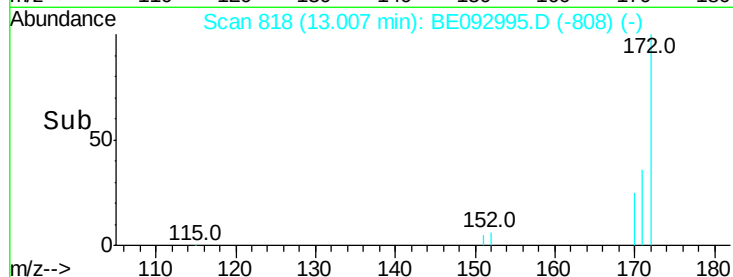
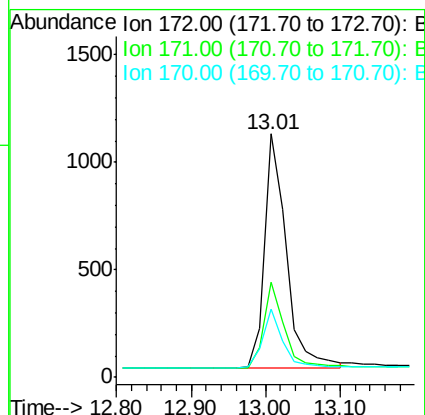
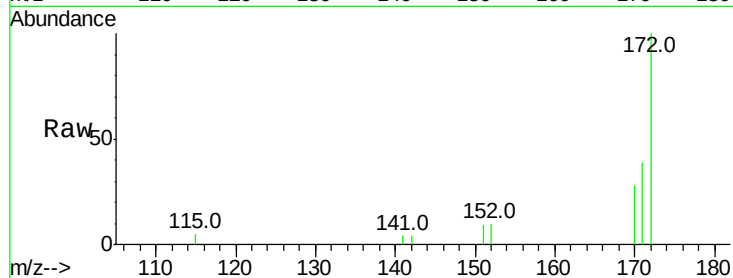




#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092995.D
Acq: 11 May 2017 14:27

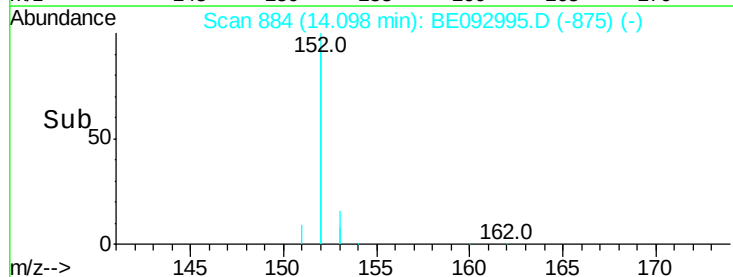
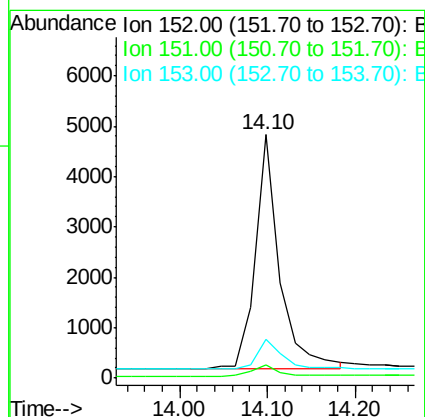
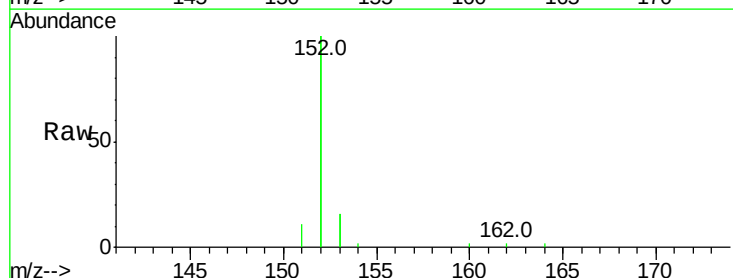
Instrument :
BNA_E
ClientSampleId :

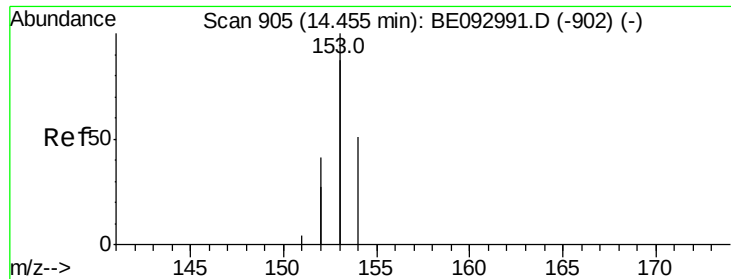
Tot Ion:172 Resp: 2197
Ion Ratio Lower Upper
172 100
171 38.9 29.8 44.6
170 28.3 20.7 31.1



#16
Acenaphthylene
Concen: 0.38 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092995.D
Acq: 11 May 2017 14:27

Tgt Ion:152 Resp: 8947
Ion Ratio Lower Upper
152 100
151 4.9 4.0 6.0
153 13.2 10.3 15.5

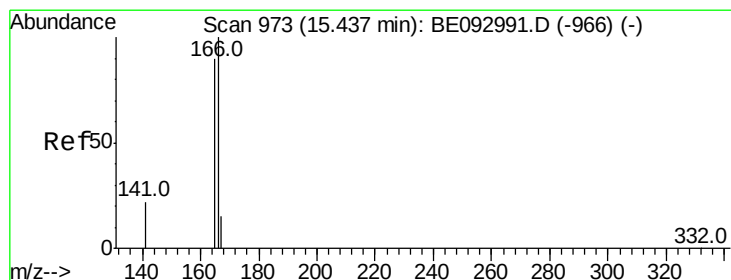
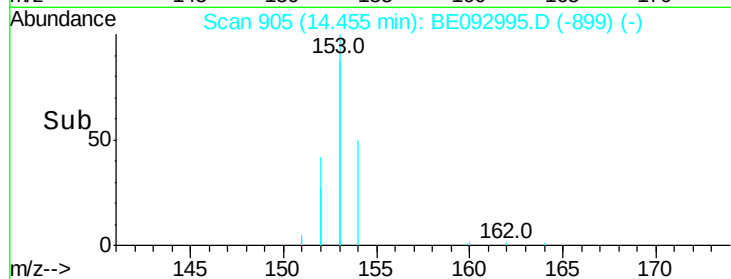
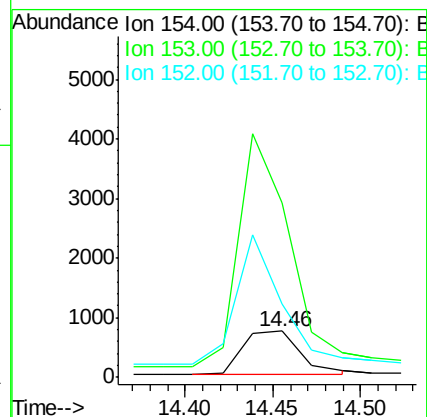
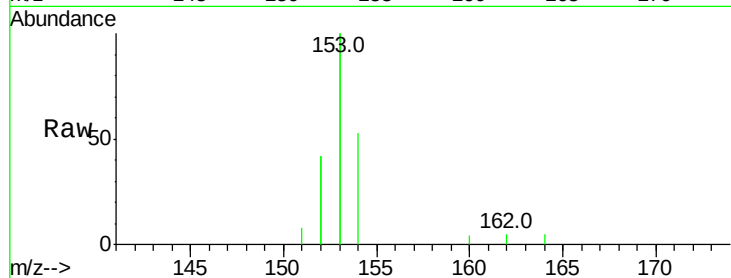




#17
Acenaphthene
Concen: 0.39 ng
RT: 14.46 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE092995.D
Acq: 11 May 2017 14:27

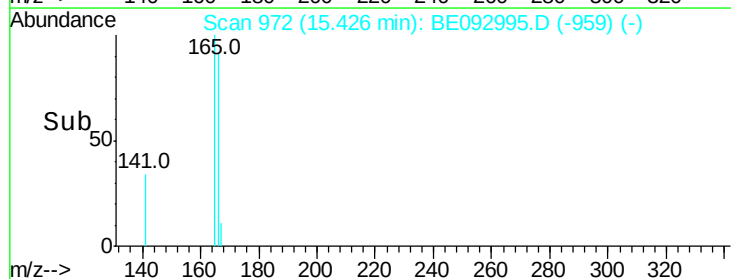
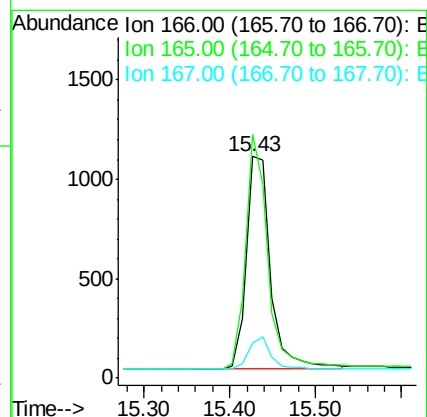
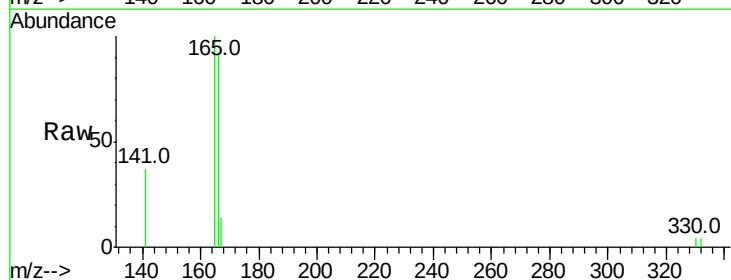
Instrument :
BNA_E
ClientSampled :

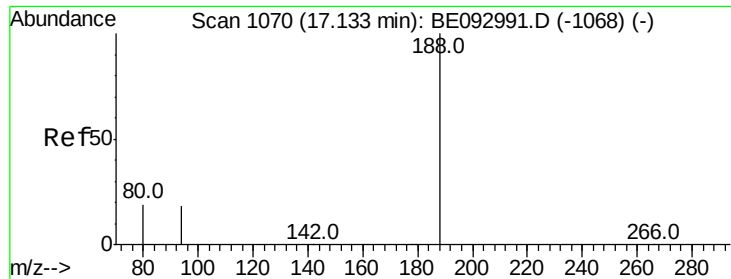
Tot Ion:154 Resp: 1708
Ion Ratio Lower Upper
154 100
153 463.9 367.8 551.6
152 232.7 188.2 282.2



#18
Fluorene
Concen: 0.39 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE092995.D
Acq: 11 May 2017 14:27

Tgt Ion:166 Resp: 2110
Ion Ratio Lower Upper
166 100
165 99.5 78.6 117.8
167 14.0 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: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

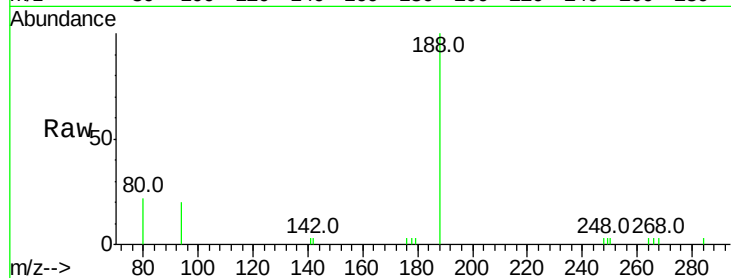
Tot Ion:188 Resp: 3497

Ion Ratio Lower Upper

188 100

94 20.3 11.3 16.9#

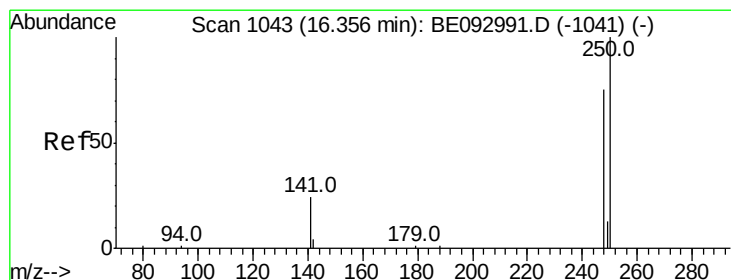
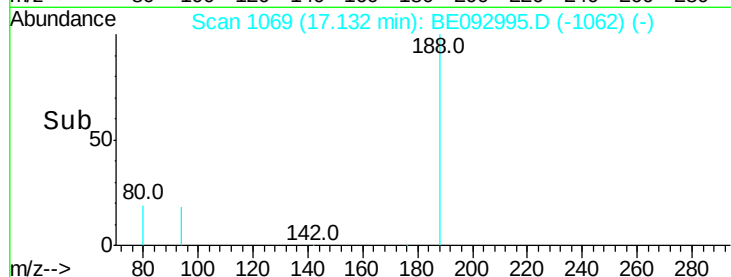
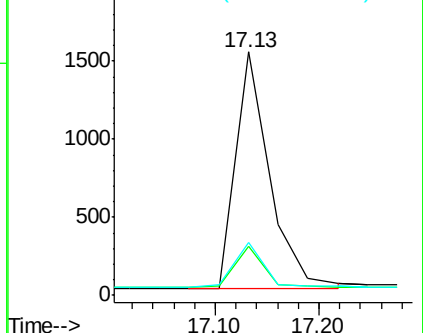
80 21.7 11.7 17.5#



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: 0.38 ng

RT: 16.36 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

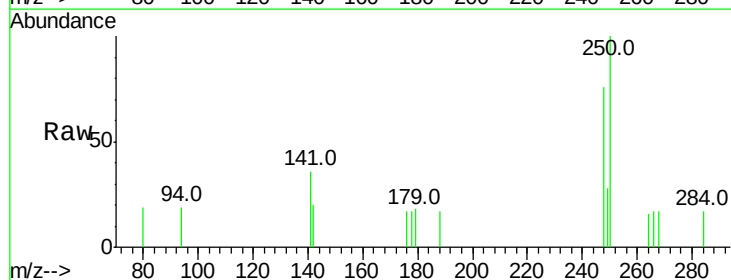
Tgt Ion:248 Resp: 430

Ion Ratio Lower Upper

248 100

250 131.9 100.0 150.0

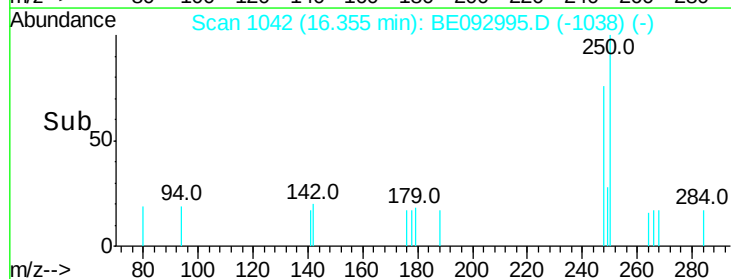
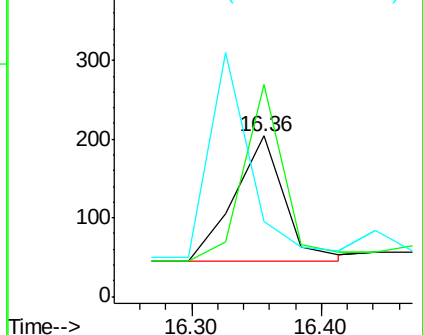
141 47.1 40.0 60.0

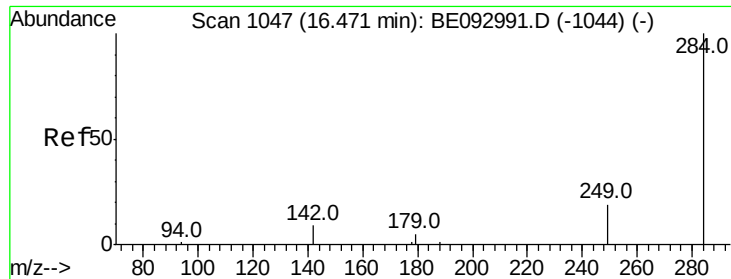


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

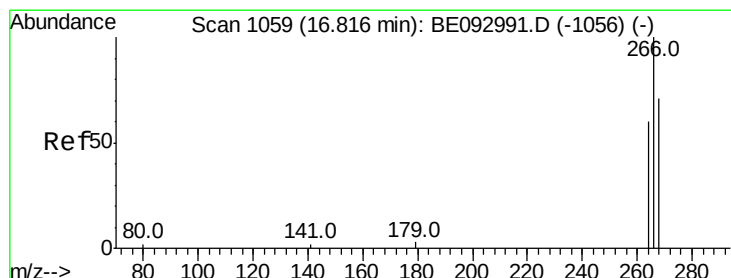
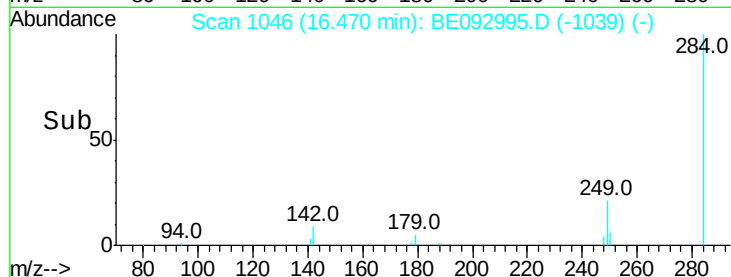
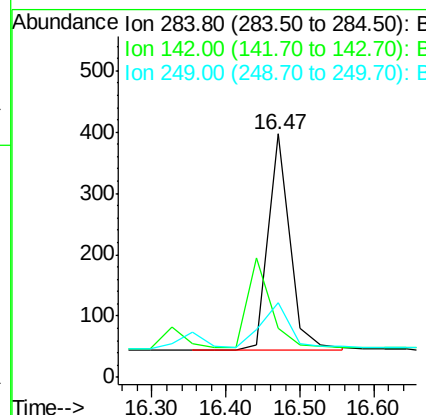
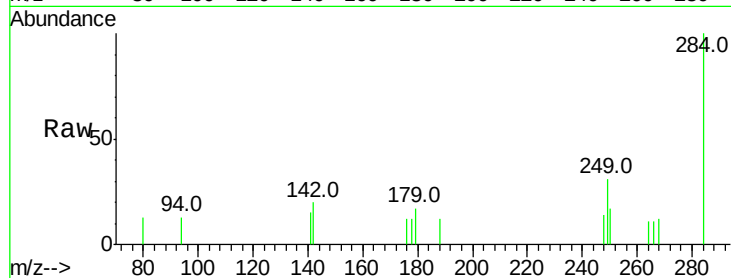




#21
Hexachlorobenzene
Concen: 0.42 ng
RT: 16.47 min Scan# 1046
Delta R.T. 0.01 min
Lab File: BE092995.D
Acq: 11 May 2017 14:27

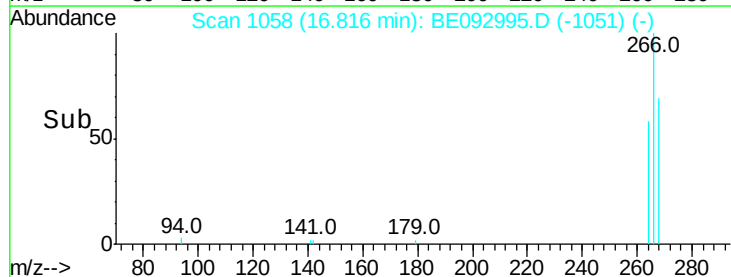
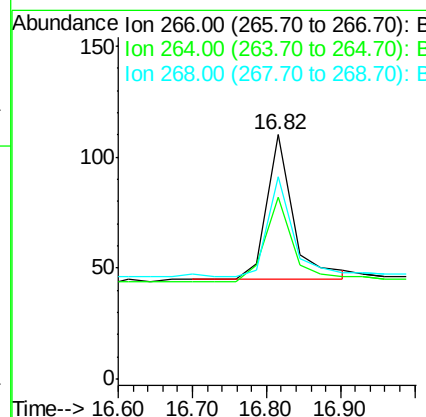
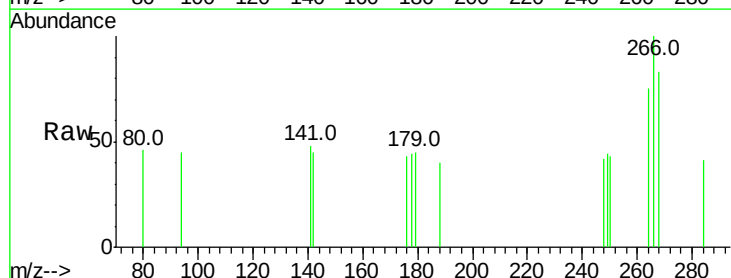
Instrument :
BNA_E
ClientSampleId :

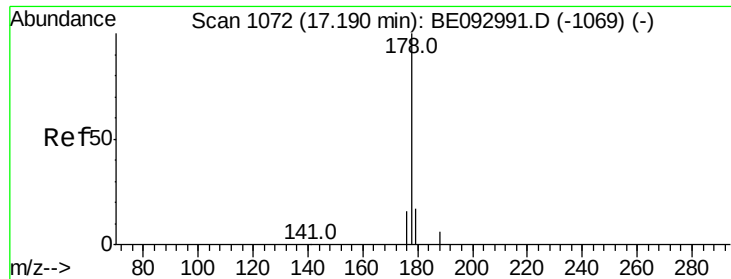
Tot Ion:284 Resp: 701
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 27.5 0.0 0.0#



#22
Pentachlorophenol
Concen: 0.43 ng
RT: 16.82 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE092995.D
Acq: 11 May 2017 14:27

Tgt Ion:266 Resp: 159
Ion Ratio Lower Upper
266 100
264 74.5 58.2 87.2
268 82.7 71.9 107.9





#23

Phenanthrene

Concen: 0.41 ng

RT: 17.19 min Scan# 1071

Delta R.T. 0.01 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

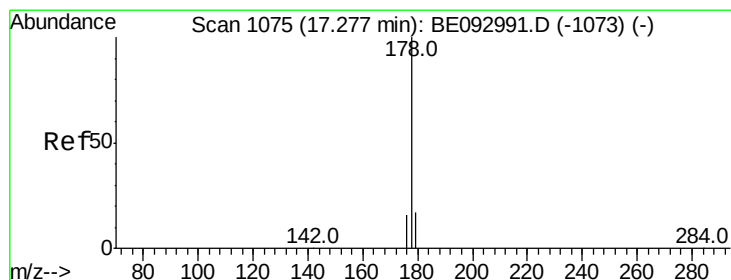
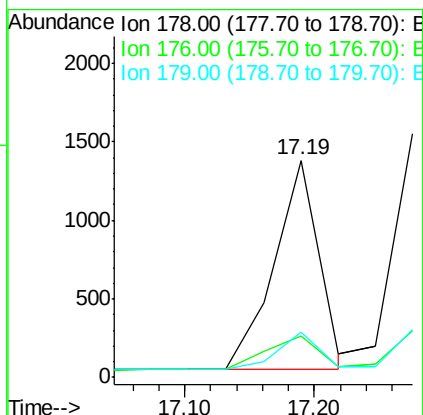
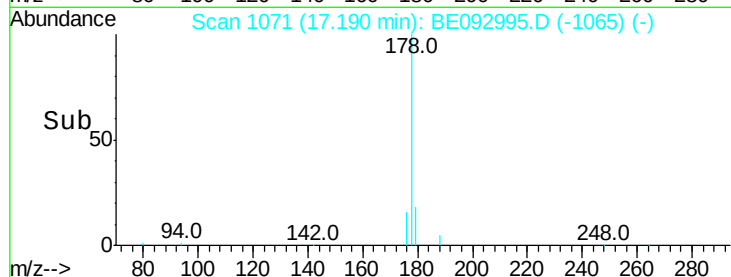
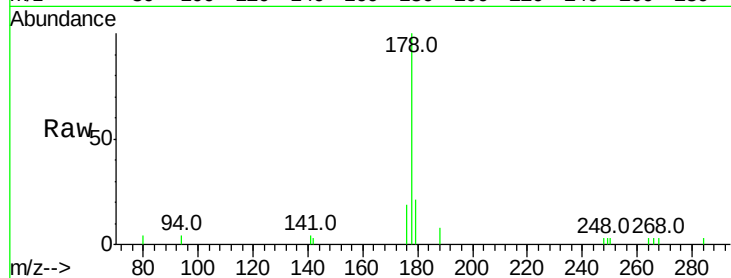
Tot Ion:178 Resp: 3206

Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.4

179 16.3 12.7 19.1



#24

Anthracene

Concen: 0.42 ng

RT: 17.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

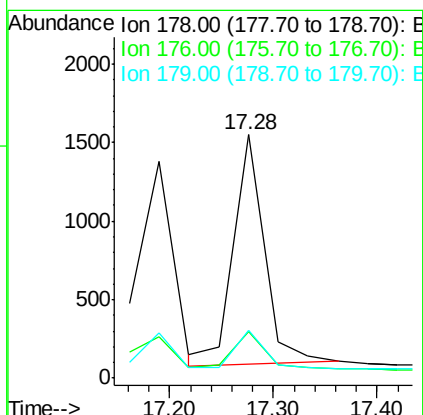
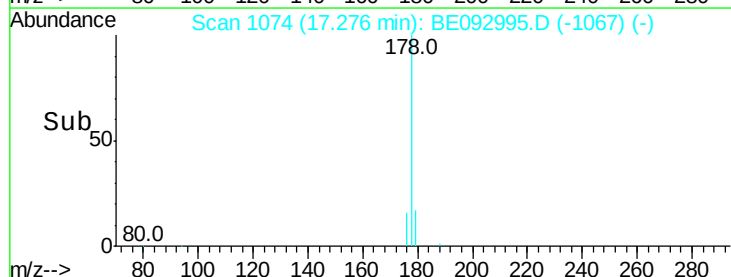
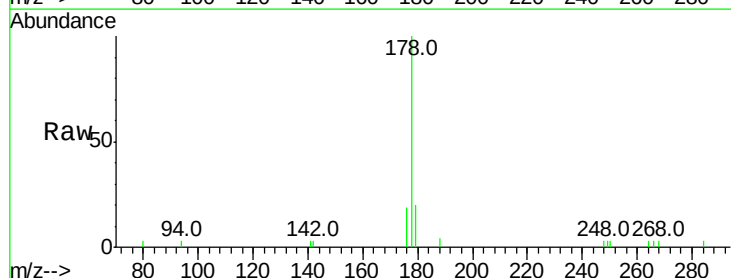
Tgt Ion:178 Resp: 3066

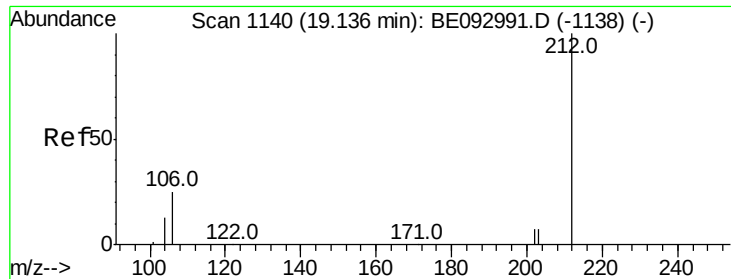
Ion Ratio Lower Upper

178 100

176 17.4 14.6 22.0

179 15.8 12.0 18.0





#25

Fluoranthene-d10

Concen: 0.39 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

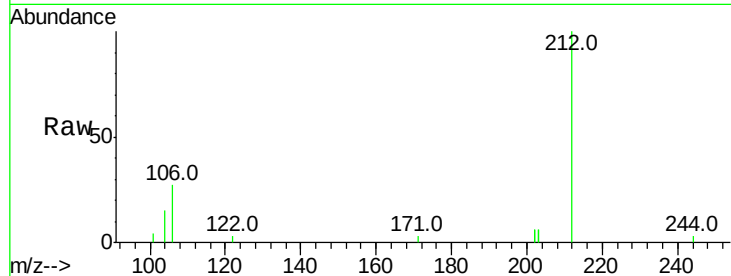
Tot Ion:212 Resp: 3636

Ion Ratio Lower Upper

212 100

106 17.7 0.0 0.0#

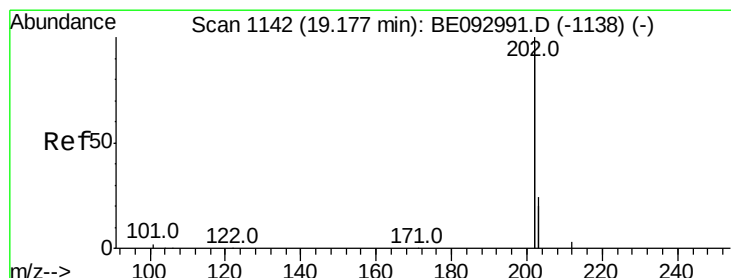
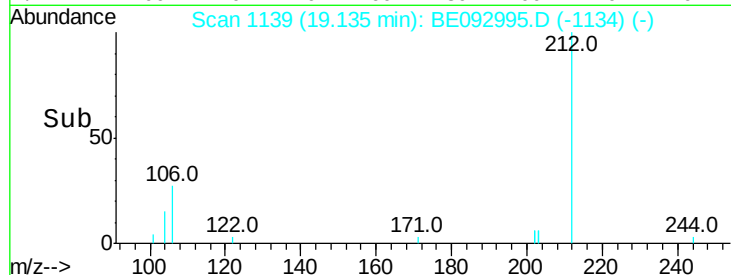
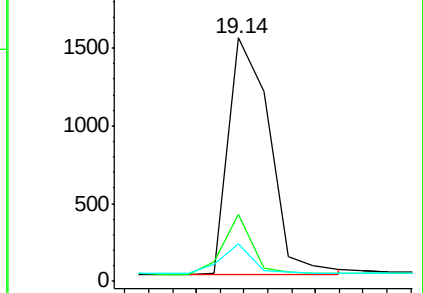
104 9.5 0.0 0.0#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.40 ng

RT: 19.18 min Scan# 1141

Delta R.T. 0.01 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

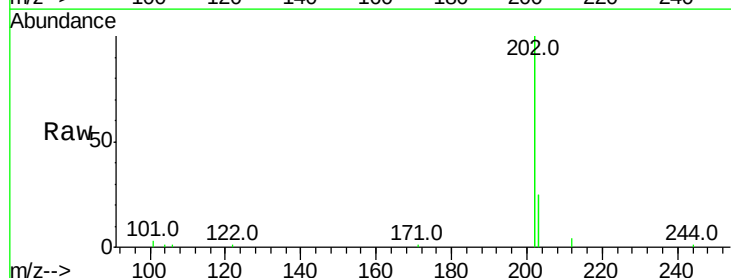
Tgt Ion:202 Resp: 18030

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

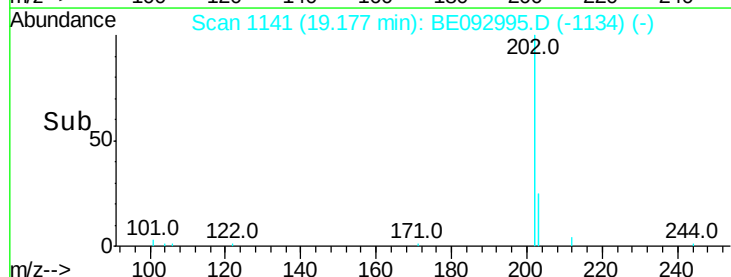
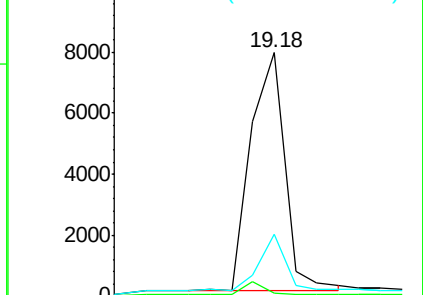
203 18.0 14.4 21.6

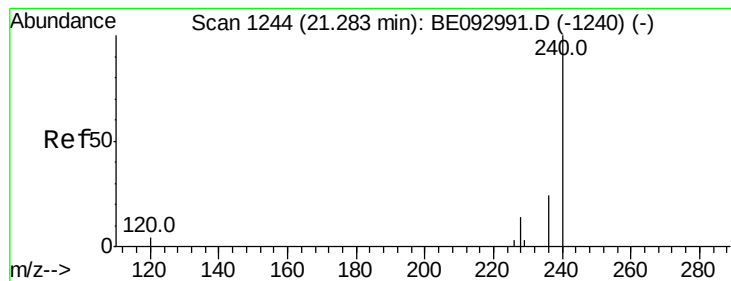


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

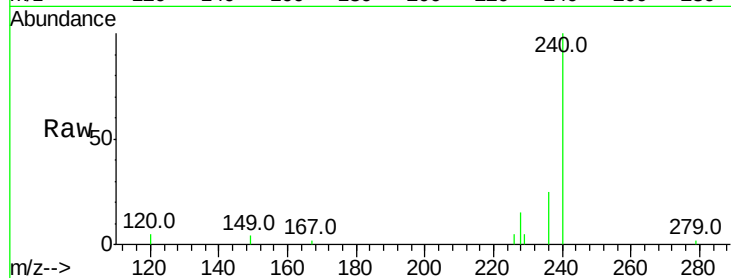
Tot Ion:240 Resp: 3809

Ion Ratio Lower Upper

240 100

120 5.4 4.6 7.0

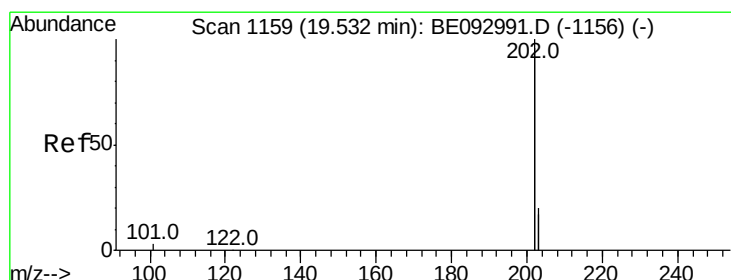
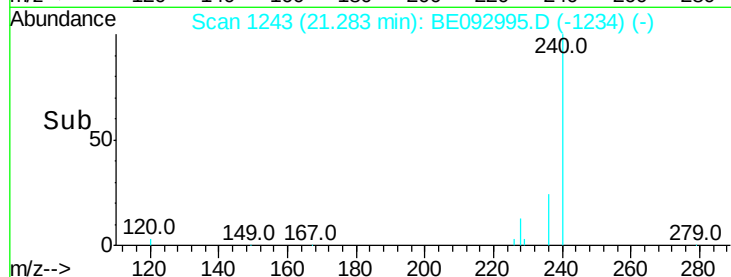
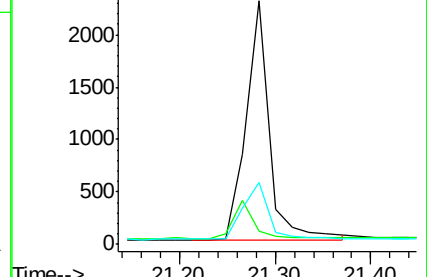
236 25.4 20.8 31.2



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: 0.41 ng

RT: 19.53 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

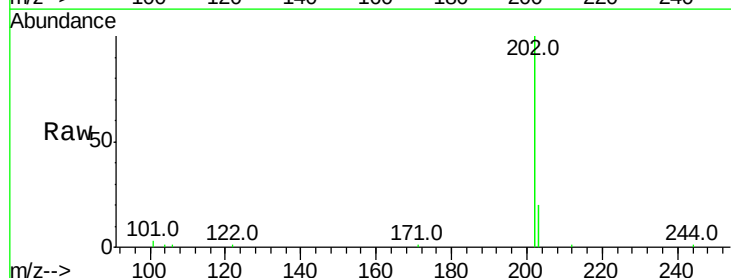
Tgt Ion:202 Resp: 19666

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

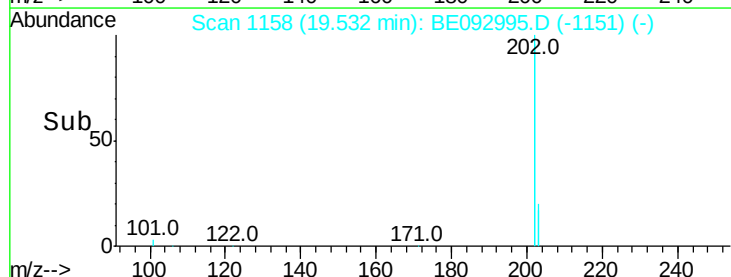
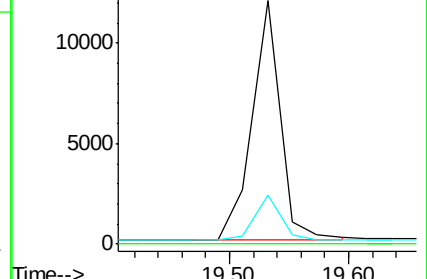
203 17.6 13.7 20.5

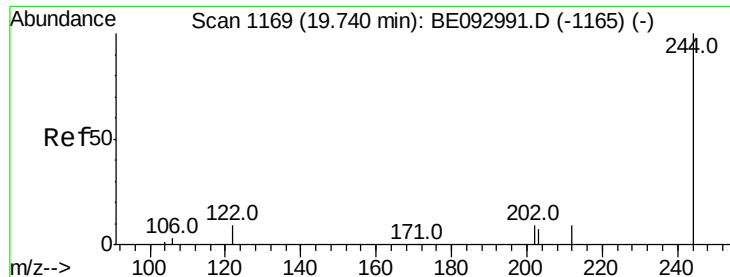


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.38 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

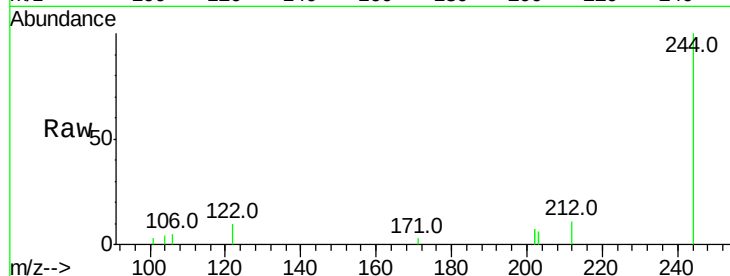
Tot Ion:244 Resp: 2590

Ion Ratio Lower Upper

244 100

212 11.4 10.6 16.0

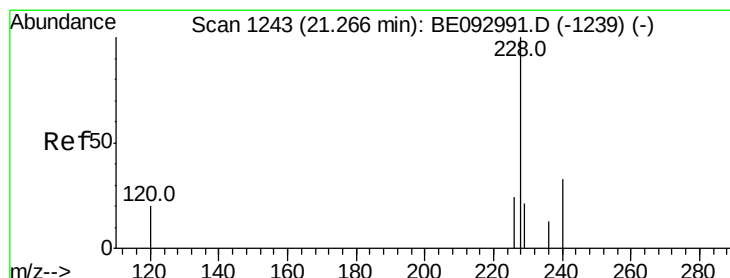
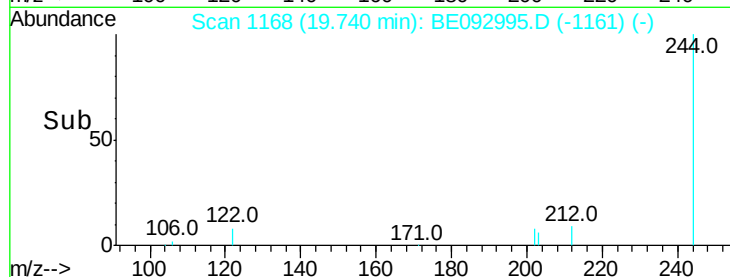
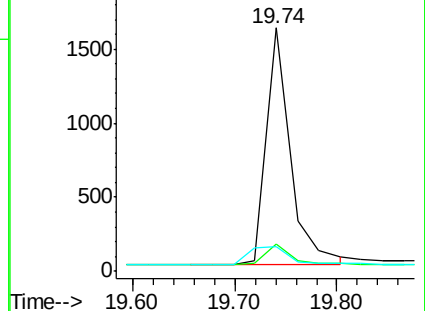
122 10.1 15.4 23.0#



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: 0.37 ng

RT: 21.27 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

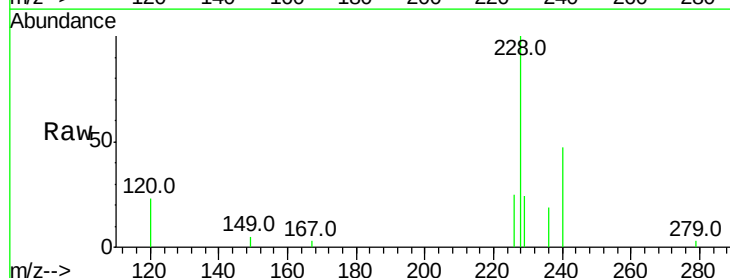
Tgt Ion:228 Resp: 3473

Ion Ratio Lower Upper

228 100

226 24.5 19.7 29.5

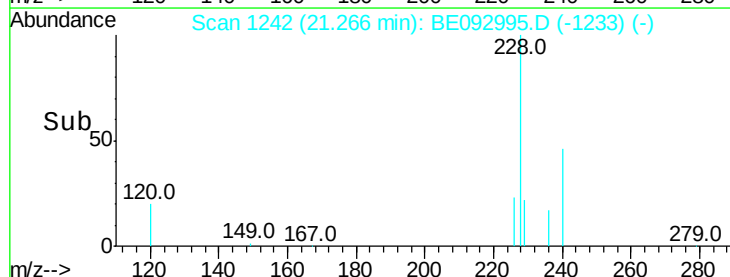
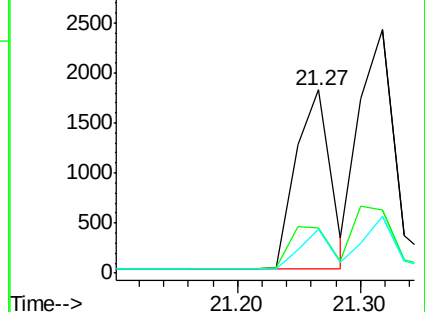
229 24.2 19.2 28.8

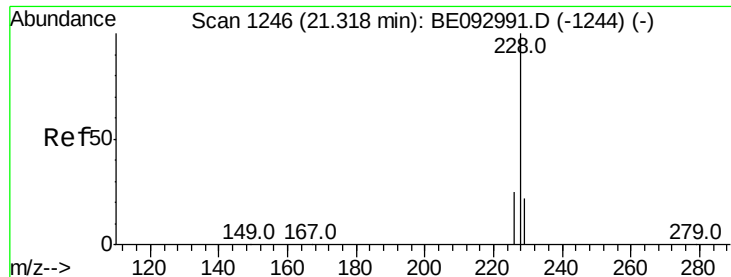


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.42 ng

RT: 21.32 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

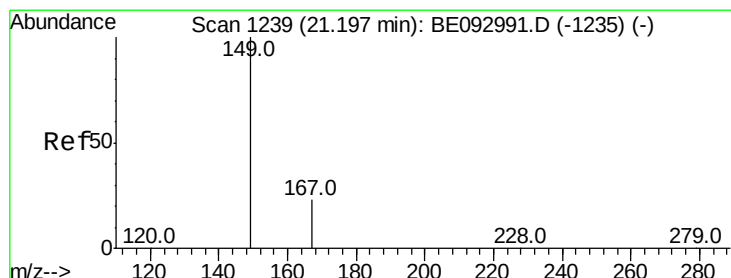
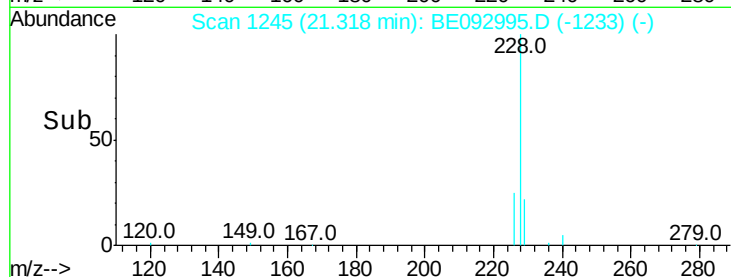
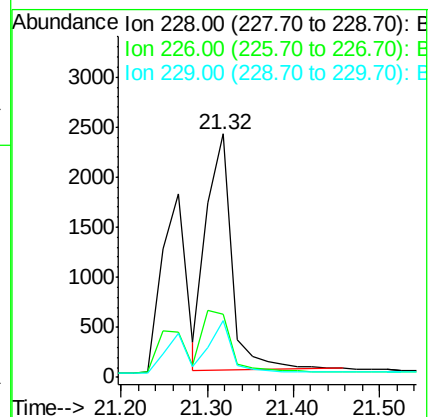
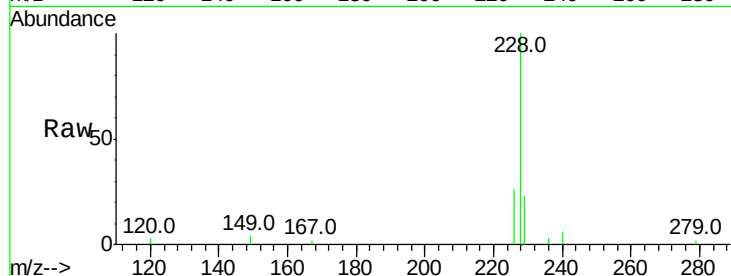
Tot Ion:228 Resp: 4859

Ion Ratio Lower Upper

228 100

226 26.0 21.5 32.3

229 23.2 18.6 28.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.39 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

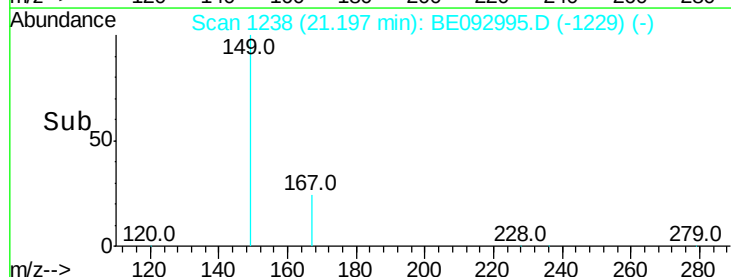
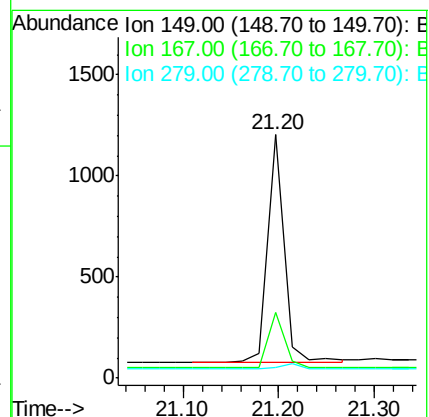
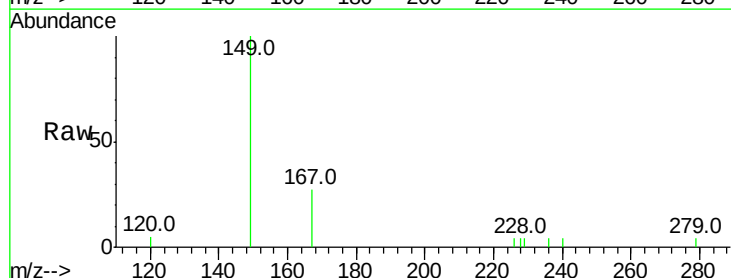
Tgt Ion:149 Resp: 1343

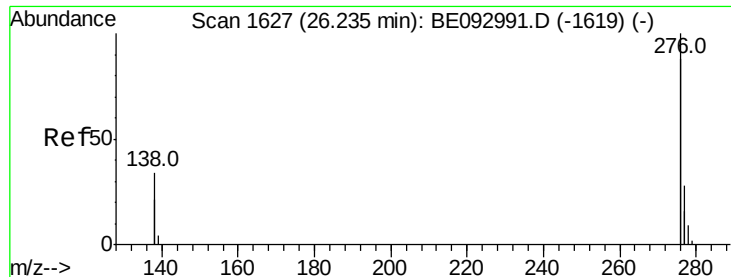
Ion Ratio Lower Upper

149 100

167 24.7 20.1 30.1

279 2.5 2.2 3.4





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.43 ng

RT: 26.24 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :

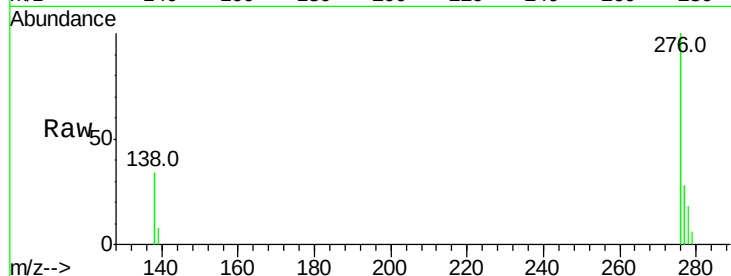
Tot Ion:276 Resp: 15983

Ion Ratio Lower Upper

276 100

138 33.4 27.4 41.2

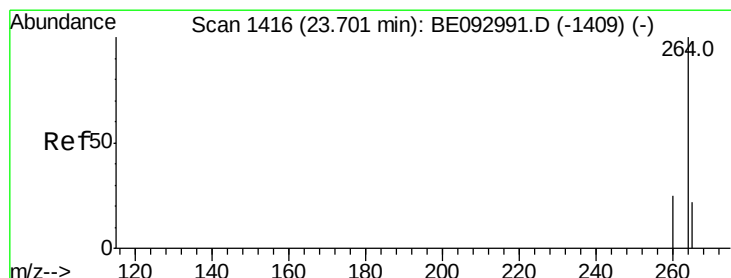
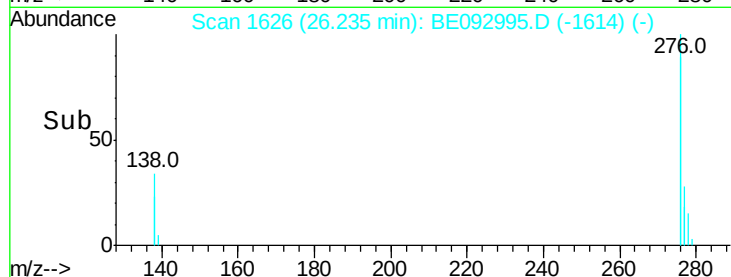
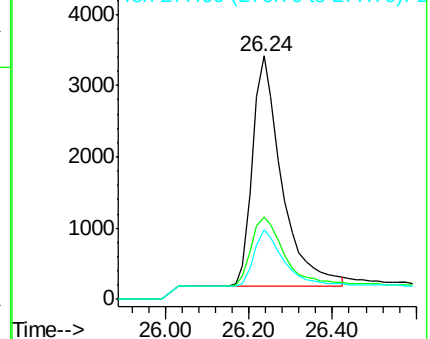
277 24.7 20.1 30.1



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: BE092995.D

Acq: 11 May 2017 14:27

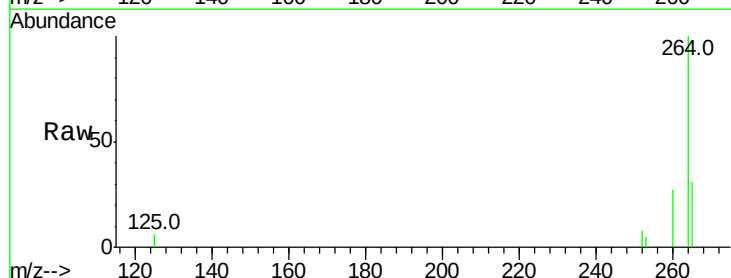
Tgt Ion:264 Resp: 3138

Ion Ratio Lower Upper

264 100

260 26.7 21.0 31.4

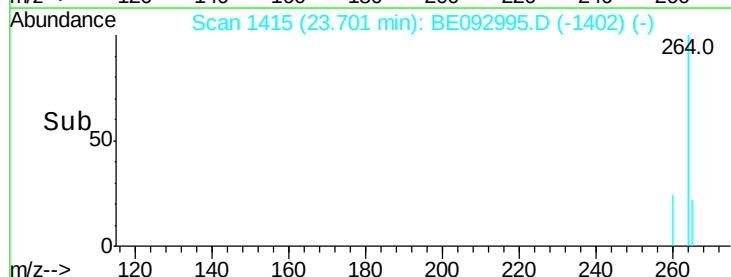
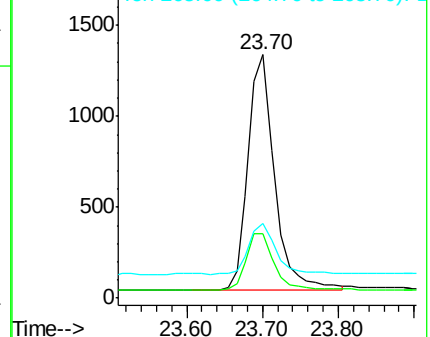
265 30.7 24.6 36.8

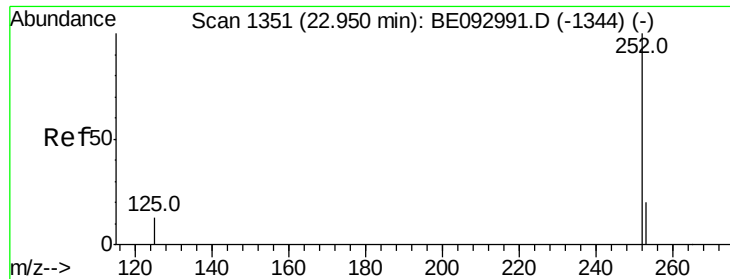


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

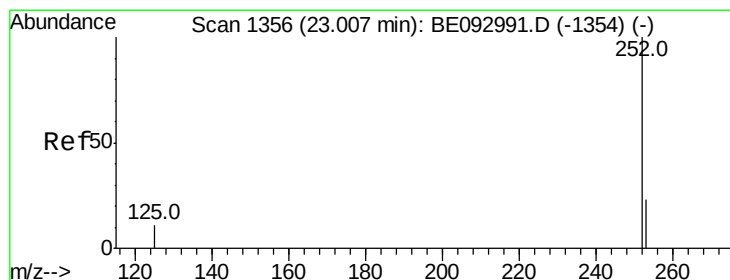
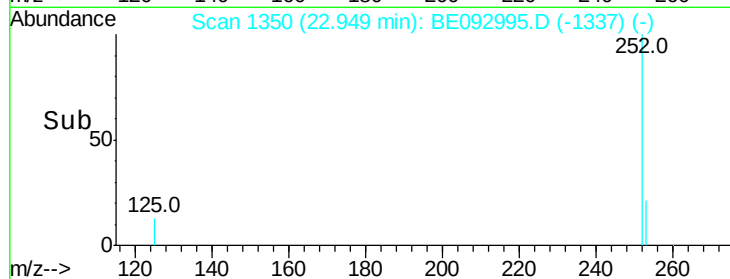
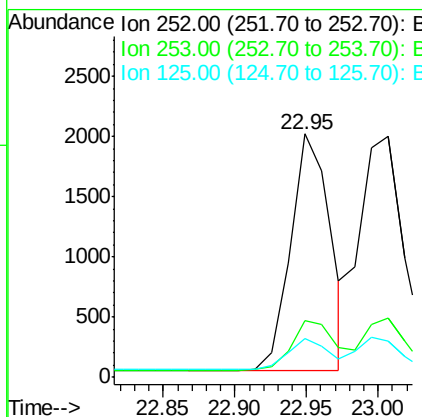
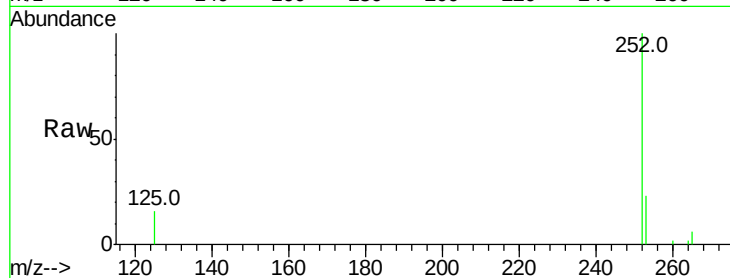




#35
Benzo(b)fluoranthene
Concen: 0.37 ng
RT: 22.95 min Scan# 1350
Delta R.T. -0.00 min
Lab File: BE092995.D
Acq: 11 May 2017 14:27

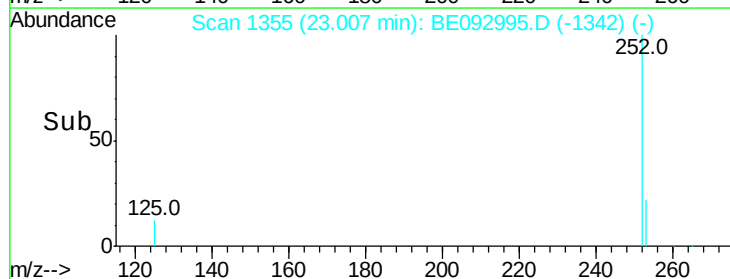
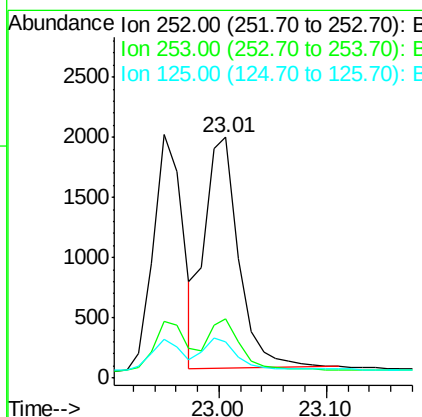
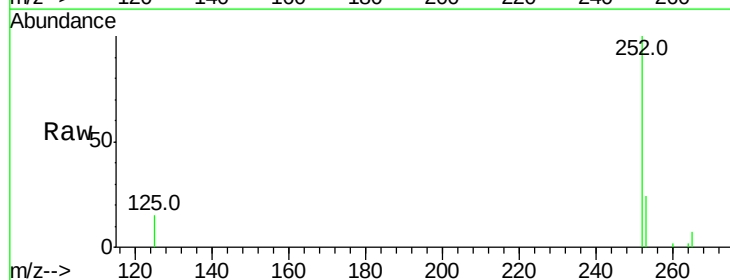
Instrument :
BNA_E
ClientSampleId :

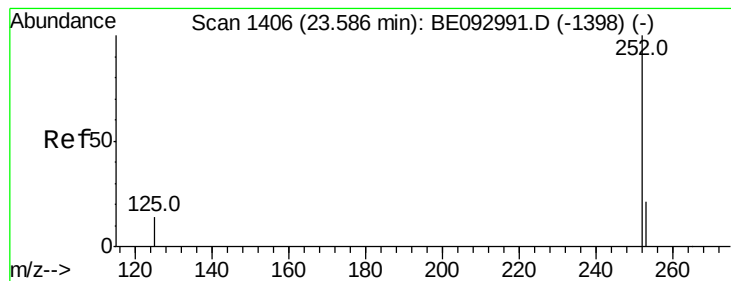
Tot Ion:252 Resp: 3772
Ion Ratio Lower Upper
252 100
253 23.2 18.5 27.7
125 16.1 13.4 20.0



#36
Benzo(k)fluoranthene
Concen: 0.42 ng
RT: 23.01 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BE092995.D
Acq: 11 May 2017 14:27

Tgt Ion:252 Resp: 4260
Ion Ratio Lower Upper
252 100
253 24.4 20.3 30.5
125 15.1 12.2 18.4





#37

Benzo(a)pyrene

Concen: 0.38 ng

RT: 23.58 min Scan# 1405

Delta R.T. -0.00 min

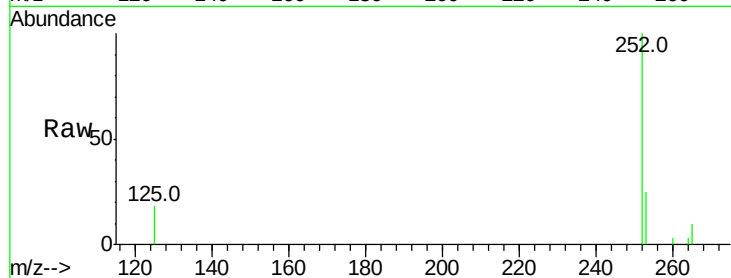
Lab File: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :



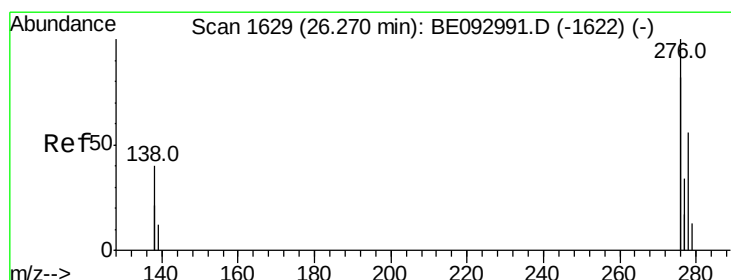
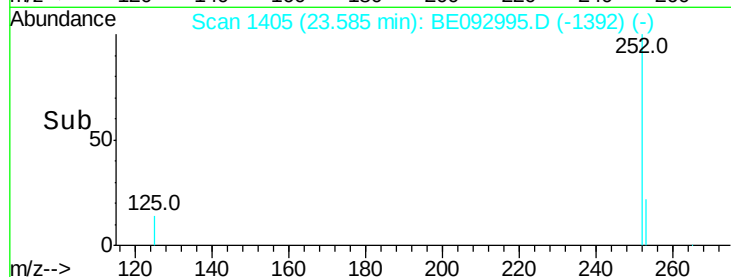
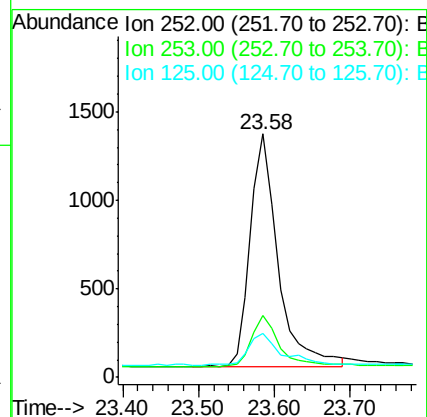
Tot Ion:252 Resp: 3325

Ion Ratio Lower Upper

252 100

253 25.2 19.9 29.9

125 18.1 14.6 21.8



#38

Dibenzo(a,h)anthracene

Concen: 0.43 ng

RT: 26.27 min Scan# 1628

Delta R.T. 0.02 min

Lab File: BE092995.D

Acq: 11 May 2017 14:27

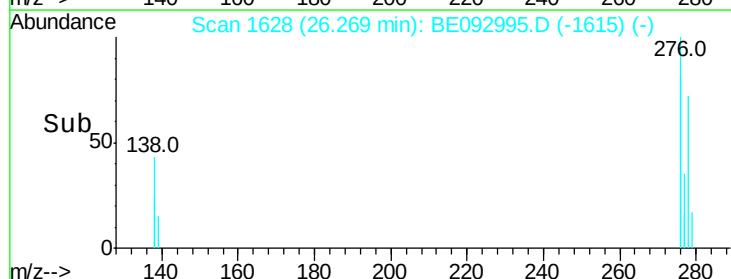
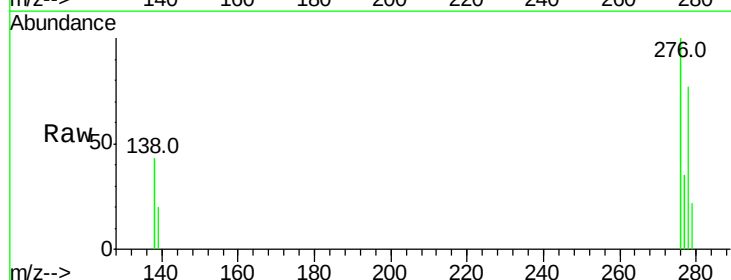
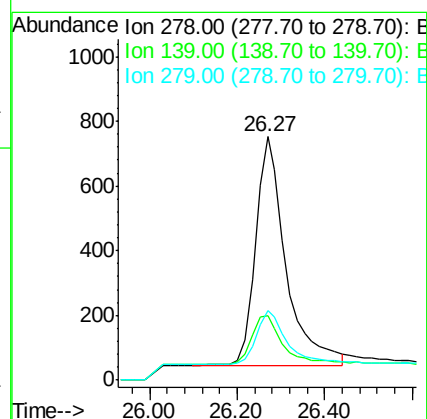
Tgt Ion:278 Resp: 3397

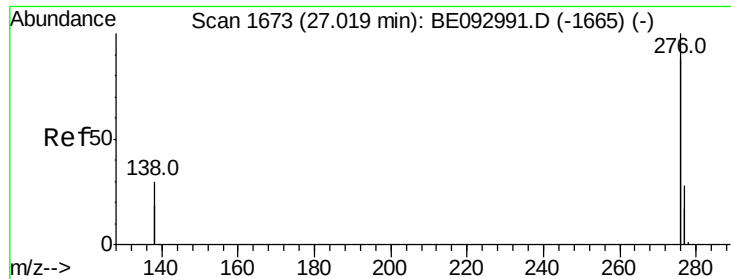
Ion Ratio Lower Upper

278 100

139 26.3 21.4 32.0

279 28.7 22.2 33.2





#39

Benzo(a,h,i)perylene

Concen: 0.42 ng

RT: 27.00 min Scan# 1671

Delta R.T. -0.00 min

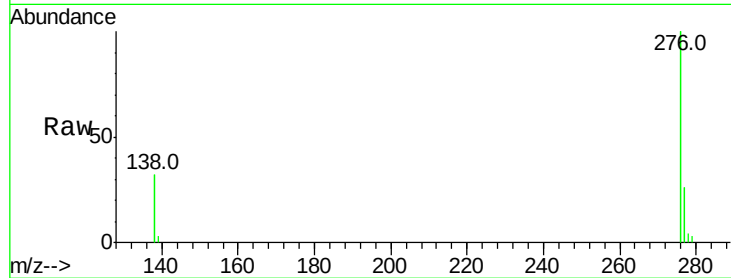
Lab File: BE092995.D

Acq: 11 May 2017 14:27

Instrument :

BNA_E

ClientSampleId :



Tot Ion:	276	Resp:	15120
Ion Ratio	Lower	Upper	
276	100		
277	25.7	21.2	31.8
138	31.8	24.5	36.7

