

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051217\
 Data File : BE093023.D
 Acq On : 12 May 2017 18:15
 Operator : SJ/MA
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: May 12 23:52:22 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	810	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	3622	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1816	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4963	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5208	0.40	ng	0.00
34) Perylene-d12	23.69	264	4681	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	1014	0.46	ng	0.00
5) Phenol-d6	6.92	99	1513	0.54	ng	-0.02
8) Nitrobenzene-d5	8.88	82	1364	0.48	ng	-0.02
11) 2-Methylnaphthalene-d10	12.12	152	2079	0.41	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	271	0.55	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2923	0.41	ng	0.00
25) Fluoranthene-d10	19.14	212	5270	0.40	ng	-0.02
29) Terphenyl-d14	19.74	244	3821	0.41	ng	0.00

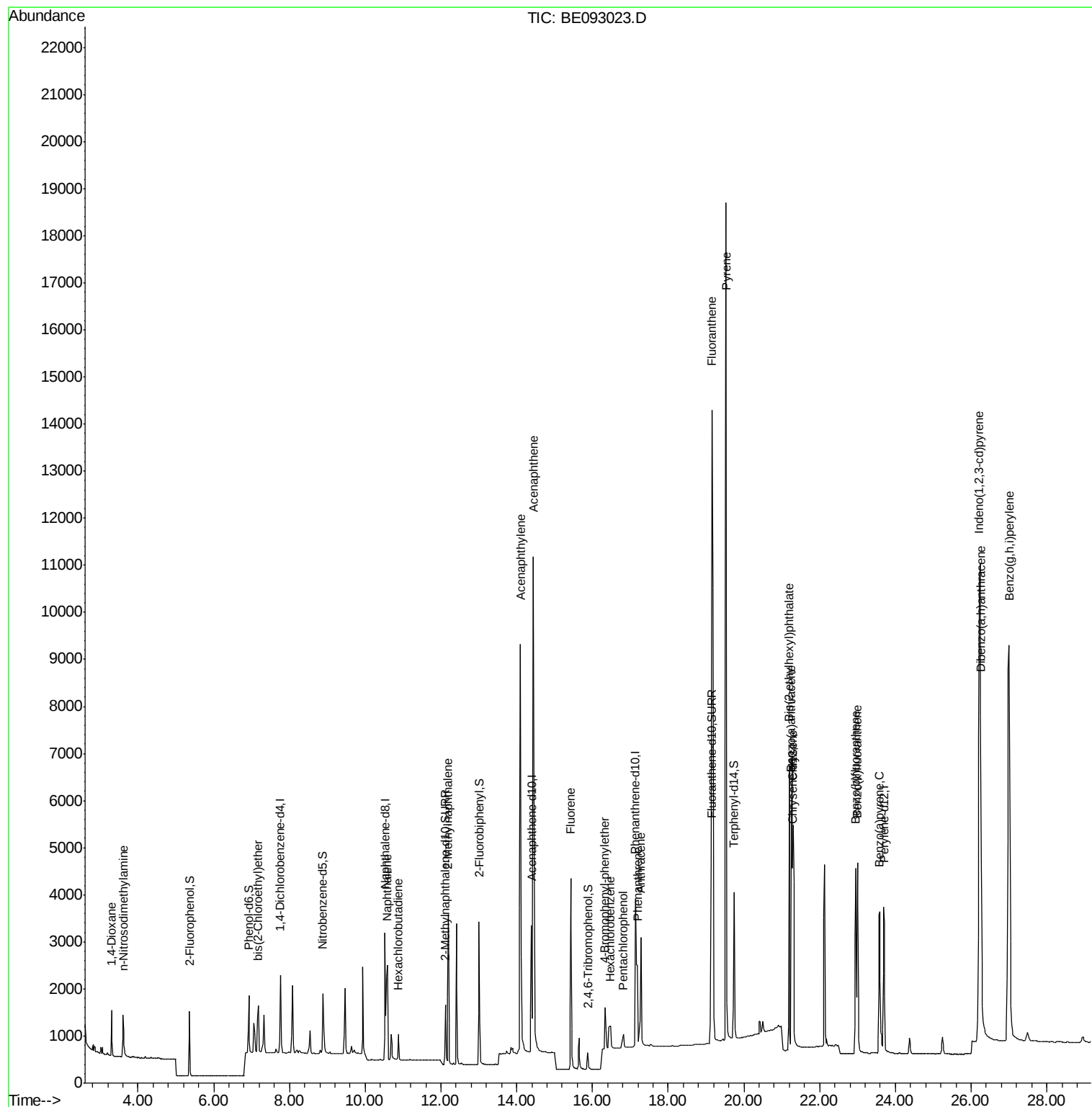
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	606	0.37	ng	98
3) n-Nitrosodimethylamine	3.61	42	604	0.43	ng	# 97
6) bis(2-Chloroethyl)ether	7.18	93	1113	0.41	ng	# 99
9) Naphthalene	10.58	128	3701	0.38	ng	100
10) Hexachlorobutadiene	10.87	225	499	0.38	ng	99
12) 2-Methylnaphthalene	12.19	142	2339	0.41	ng	94
16) Acenaphthylene	14.10	152	13206	0.43	ng	100
17) Acenaphthene	14.44	154	2242	0.40	ng	97
18) Fluorene	15.42	166	2822	0.40	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	575	0.36	ng	# 1
21) Hexachlorobenzene	16.47	284	772	0.30	ng	# 100
22) Pentachlorophenol	16.82	266	349	0.63	ng	92
23) Phenanthrene	17.19	178	4064	0.35	ng	# 77
24) Anthracene	17.28	178	3841	0.37	ng	97
26) Fluoranthene	19.16	202	23642	0.37	ng	# 59
28) Pyrene	19.53	202	25600	0.39	ng	# 96
30) Benzo(a)anthracene	21.25	228	5887	0.46	ng	# 84
31) Chrysene	21.30	228	5815	0.36	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.20	149	5742m	0.99	ng	
33) Indeno(1,2,3-cd)pyrene	26.22	276	23436	0.46	ng	99
35) Benzo(b)fluoranthene	22.95	252	5514	0.37	ng	98
36) Benzo(k)fluoranthene	23.00	252	5706m	0.38	ng	
37) Benzo(a)pyrene	23.59	252	5200	0.40	ng	98
38) Dibenzo(a,h)anthracene	26.25	278	5015	0.42	ng	98
39) Benzo(g,h,i)perylene	27.00	276	20694	0.38	ng	98

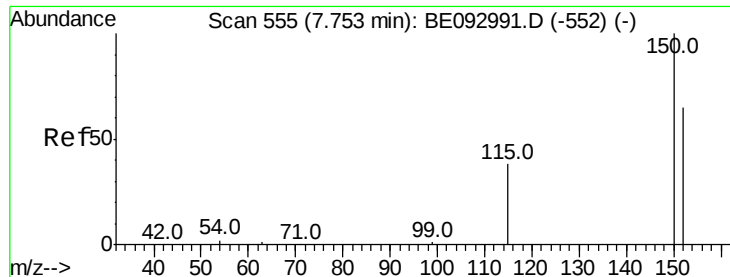
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 11 14:48:08 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

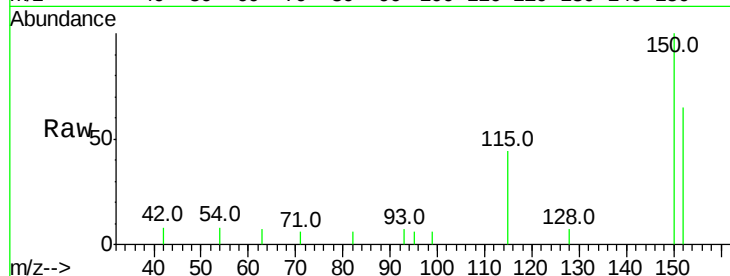
Tot Ion:152 Resp: 810

Ion Ratio Lower Upper

152 100

150 153.5 125.1 187.7

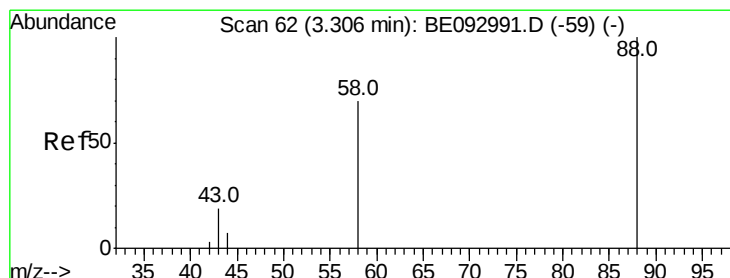
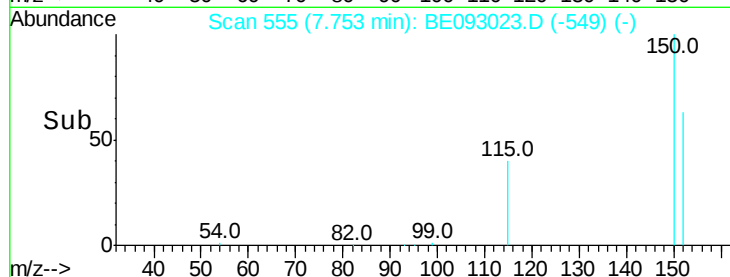
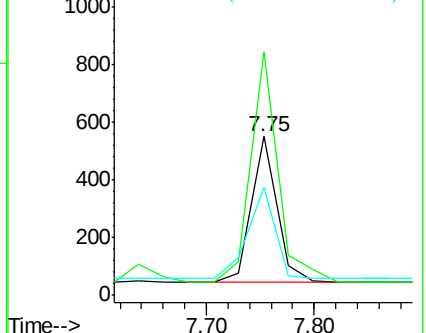
115 68.0 55.7 83.5



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: 0.37 ng

RT: 3.31 min Scan# 62

Delta R.T. 0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

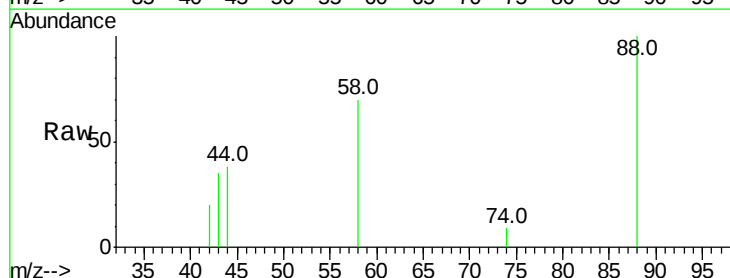
Tgt Ion: 88 Resp: 606

Ion Ratio Lower Upper

88 100

58 78.2 62.2 93.4

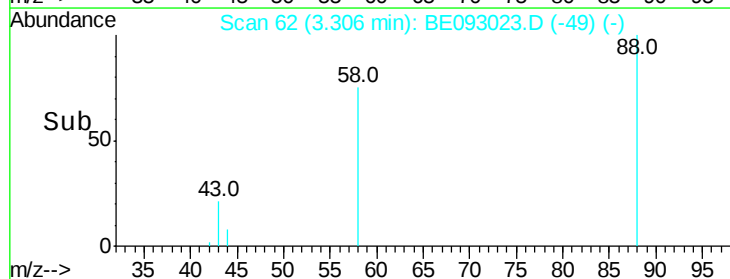
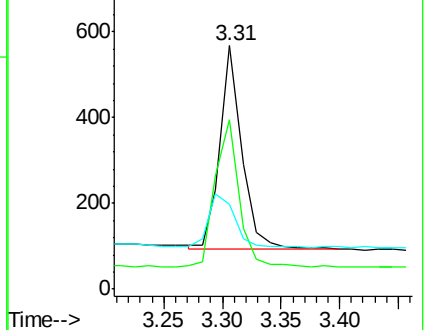
43 31.5 23.2 34.8

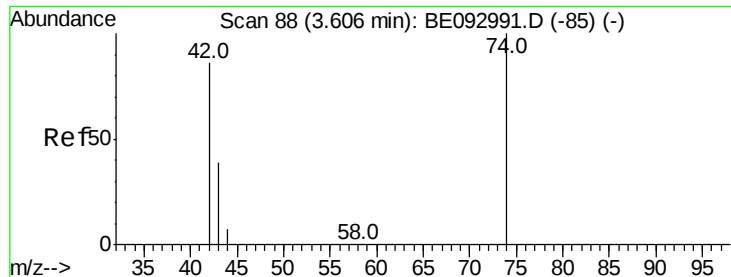


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.43 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

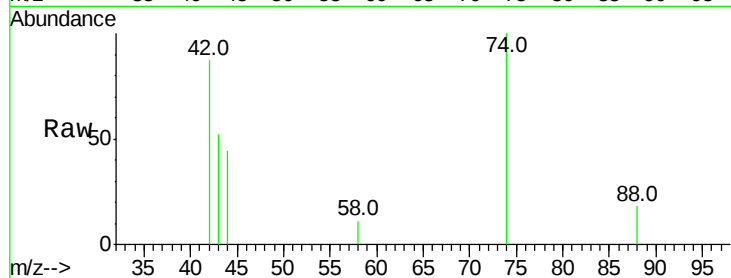
Tot Ion: 42 Resp: 604

Ion Ratio Lower Upper

42 100

74 127.0 99.1 148.7

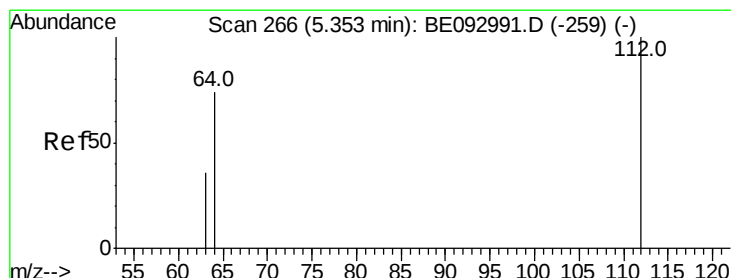
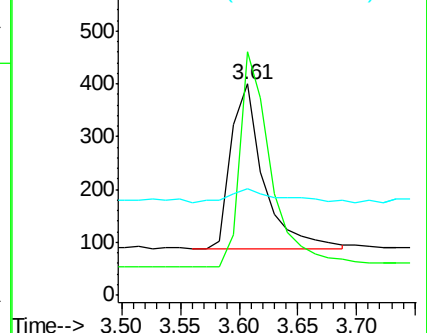
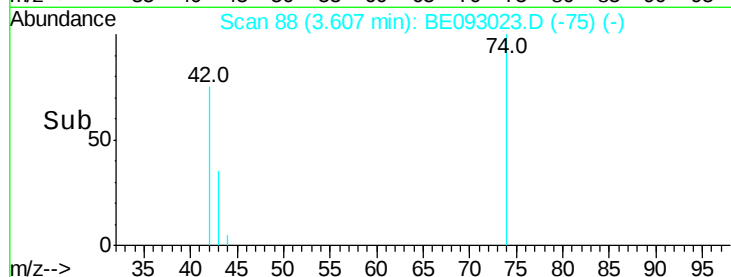
44 12.1 7.4 11.2#



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: 0.46 ng

RT: 5.36 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

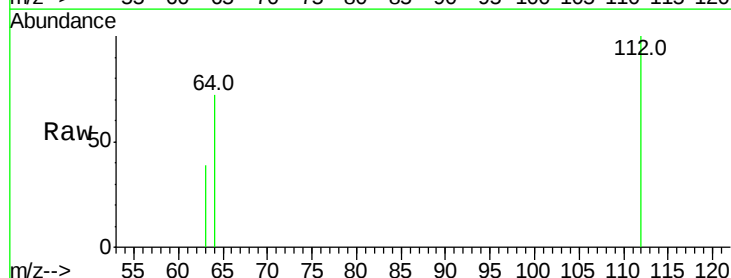
Tgt Ion: 112 Resp: 1014

Ion Ratio Lower Upper

112 100

64 71.9 56.4 84.6

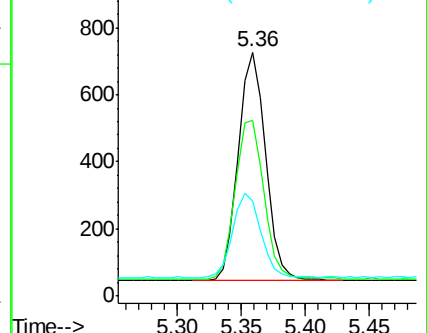
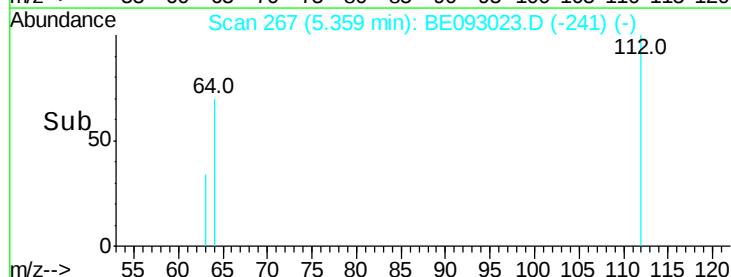
63 37.5 29.3 43.9

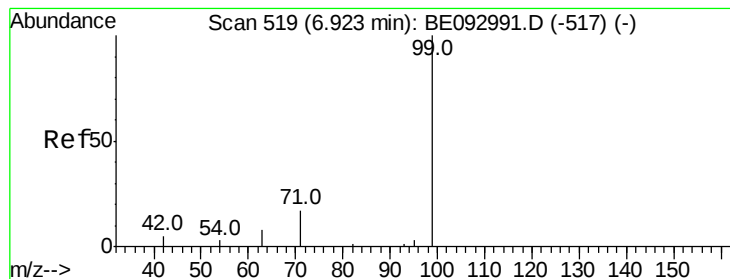


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.54 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

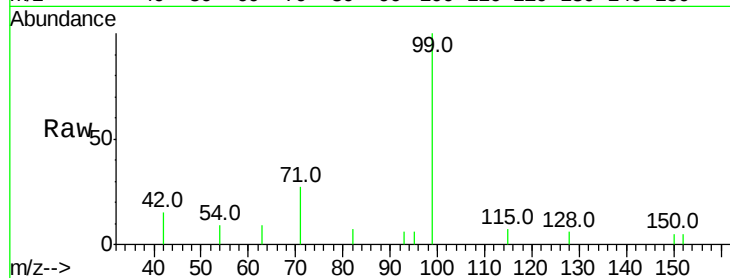
Tot Ion: 99 Resp: 1513

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

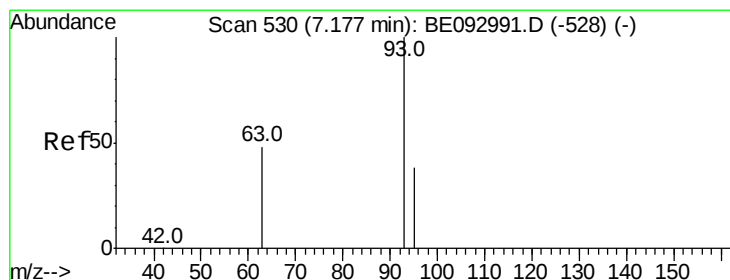
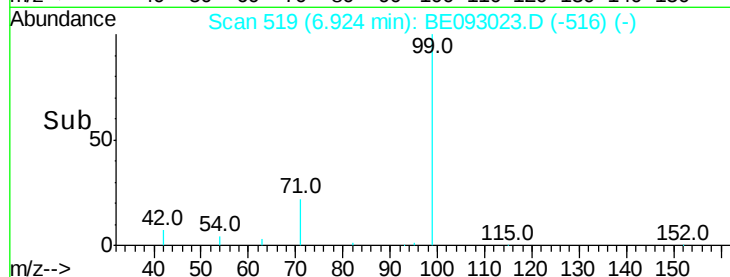
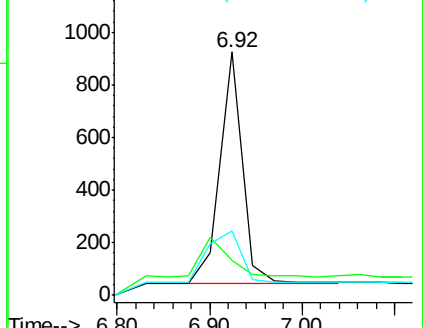
71 32.9 0.0 0.0#



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: 0.41 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

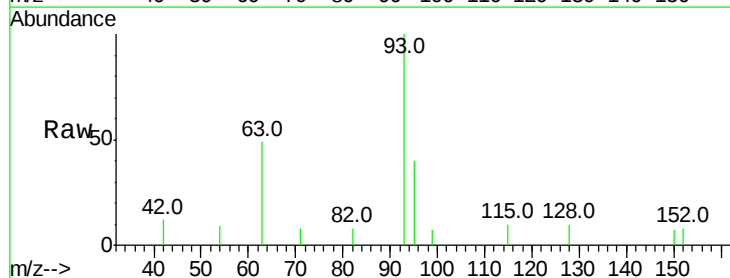
Tgt Ion: 93 Resp: 1113

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

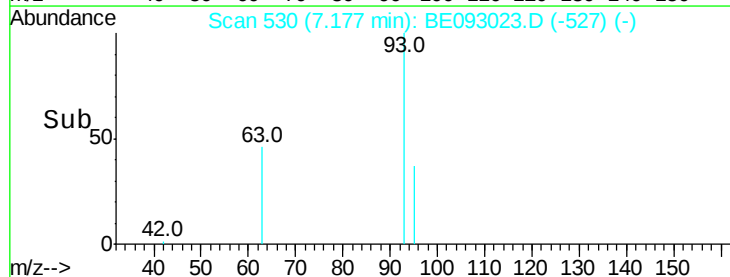
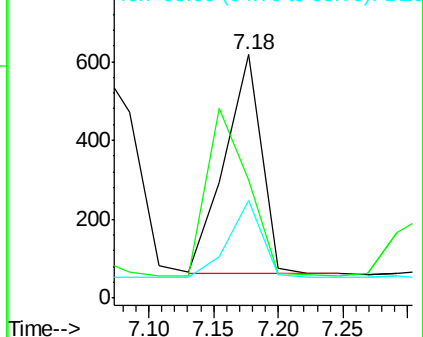
95 32.1 25.4 38.0

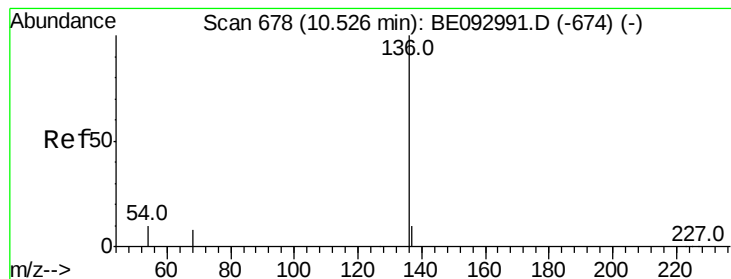


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 3622

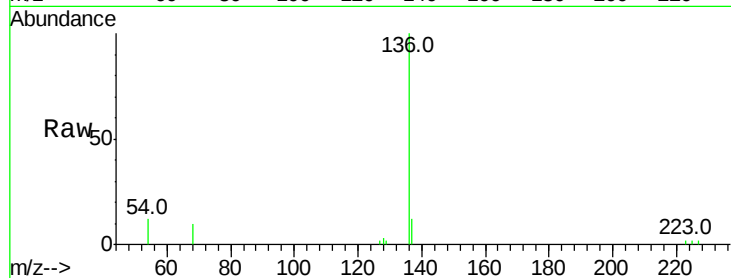
Ion Ratio Lower Upper

136 100

137 12.4 9.8 14.8

54 11.5 10.3 15.5

68 10.2 9.0 13.4

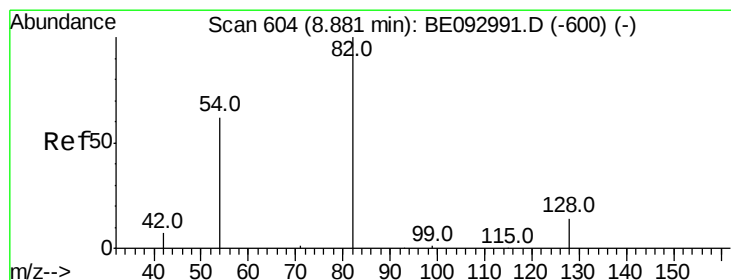
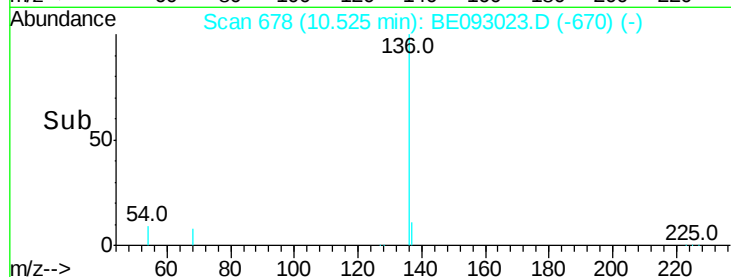
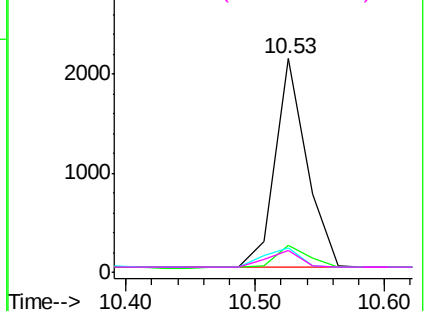


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.48 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

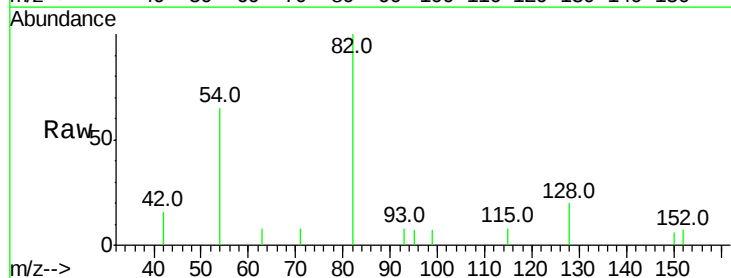
Tgt Ion: 82 Resp: 1364

Ion Ratio Lower Upper

82 100

128 20.2 17.0 25.4

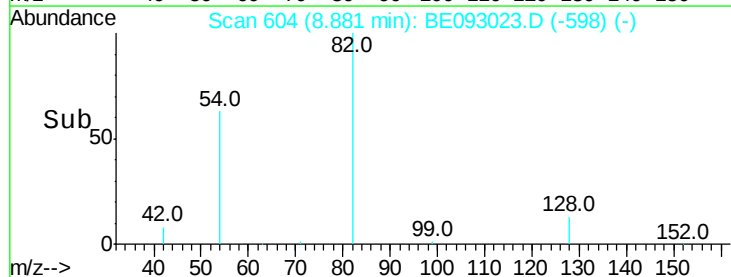
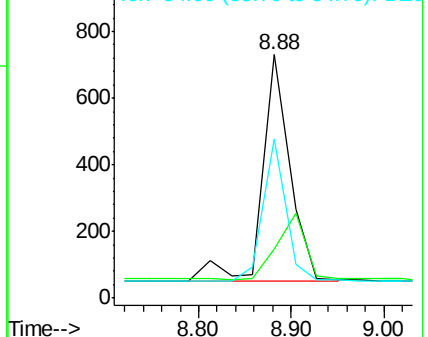
54 65.4 53.8 80.6

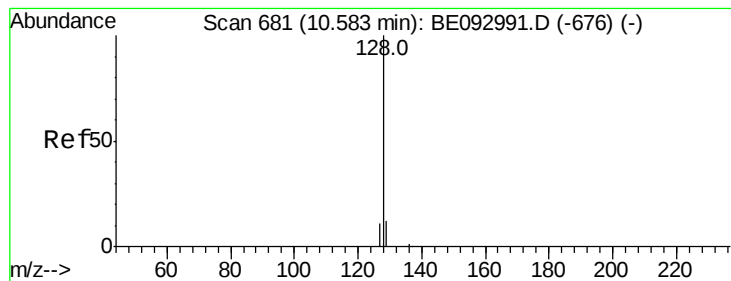


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.38 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

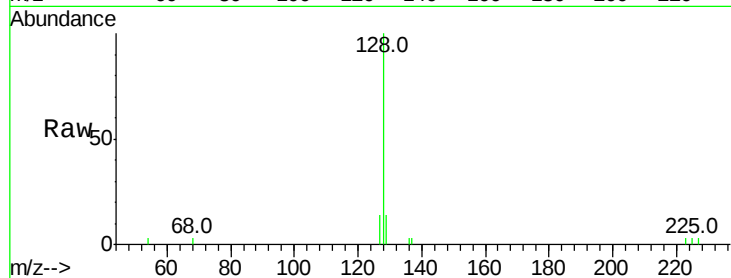
Tot Ion:128 Resp: 3701

Ion Ratio Lower Upper

128 100

129 14.1 11.4 17.0

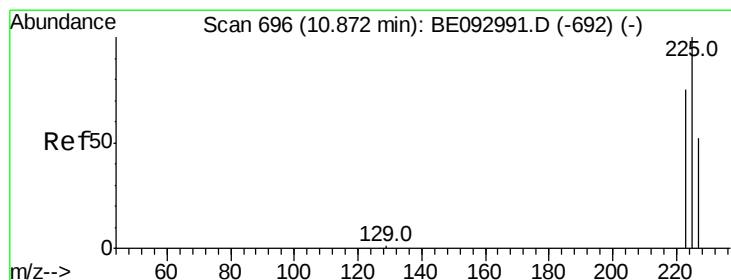
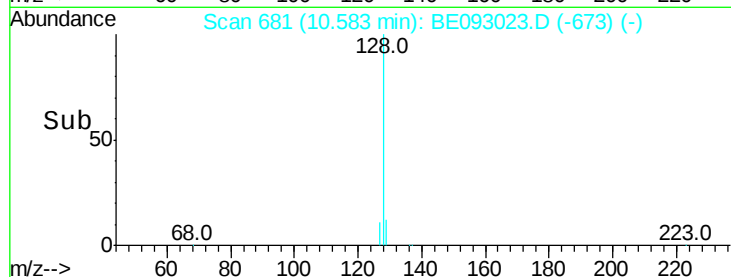
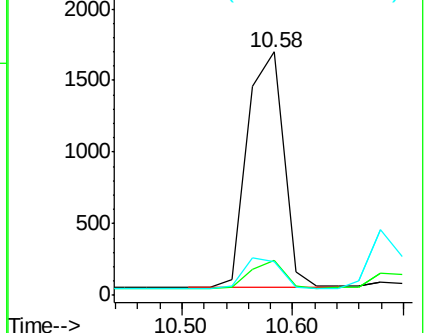
127 13.8 11.2 16.8



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: 0.38 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

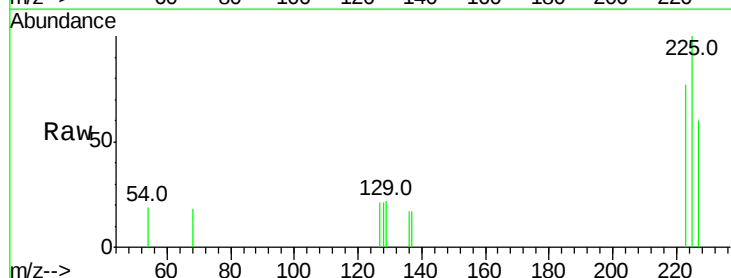
Tgt Ion:225 Resp: 499

Ion Ratio Lower Upper

225 100

223 63.1 49.7 74.5

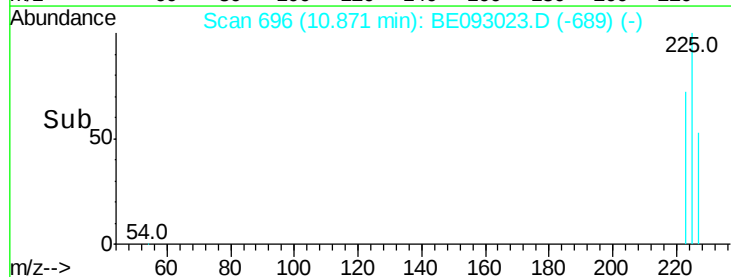
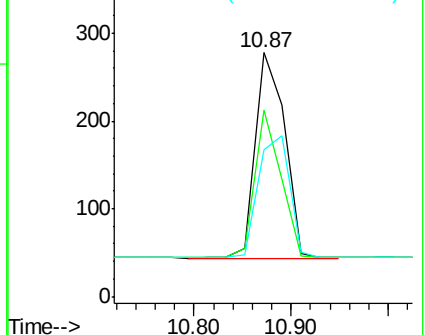
227 62.9 50.3 75.5

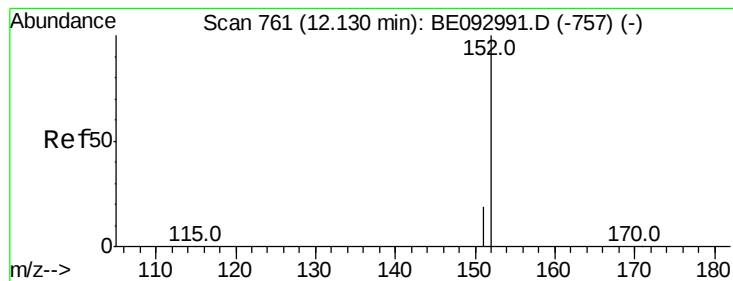


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

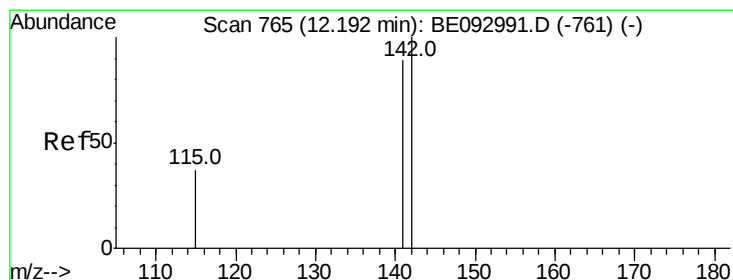
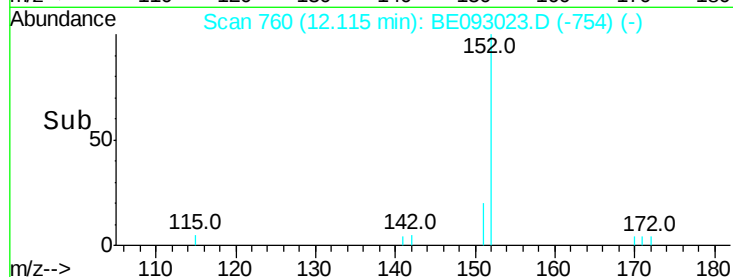
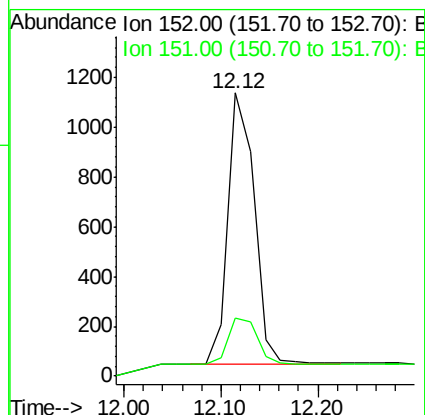
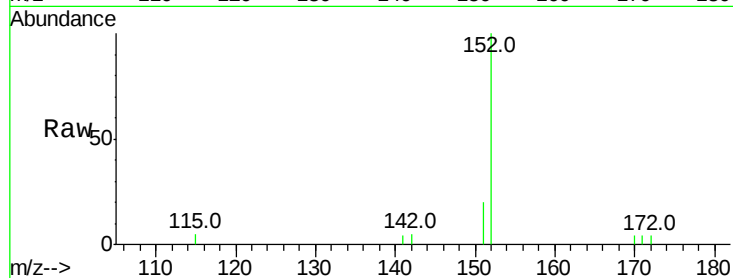




#11
 2-Methylnaphthalene-d10
 Concen: 0.41 ng
 RT: 12.12 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BE093023.D
 Acq: 12 May 2017 18:15

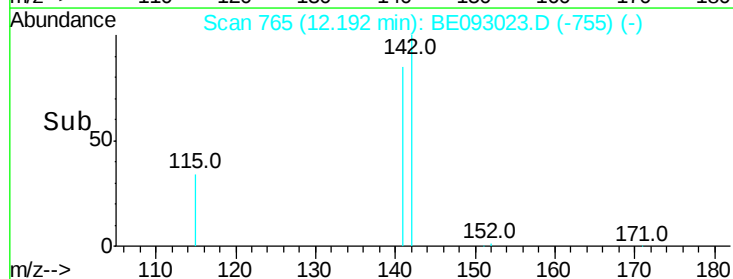
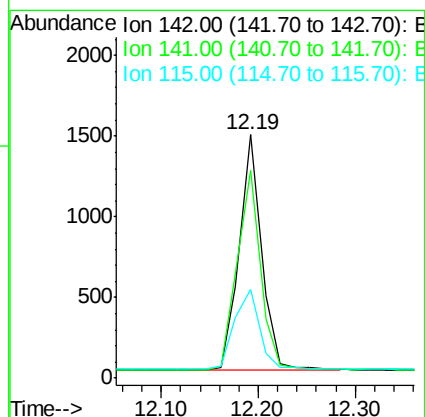
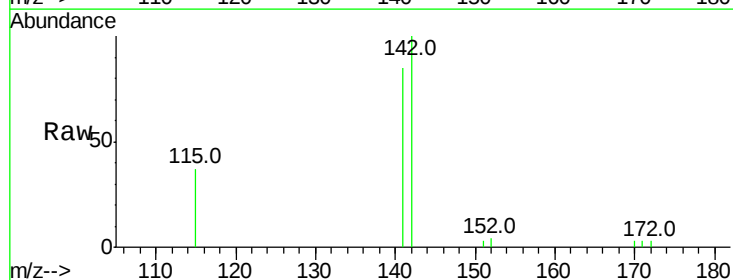
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

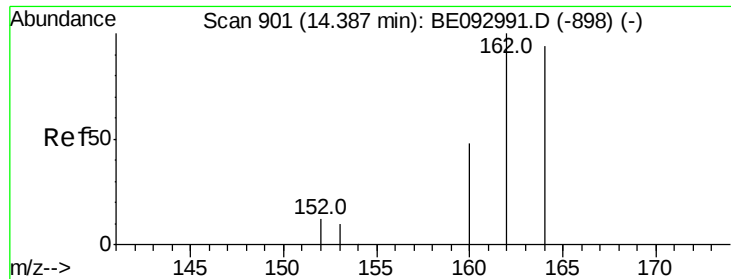
Tot Ion:152 Resp: 2079
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.41 ng
 RT: 12.19 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE093023.D
 Acq: 12 May 2017 18:15

Tgt Ion:142 Resp: 2339
 Ion Ratio Lower Upper
 142 100
 141 85.2 72.6 108.8
 115 36.7 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: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

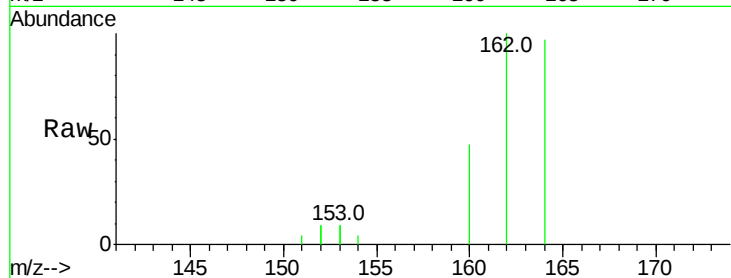
Tot Ion:164 Resp: 1816

Ion Ratio Lower Upper

164 100

162 103.5 84.6 127.0

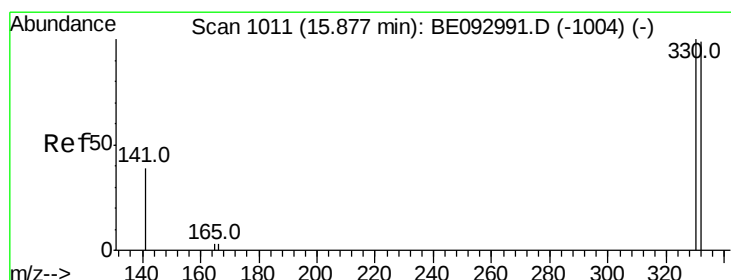
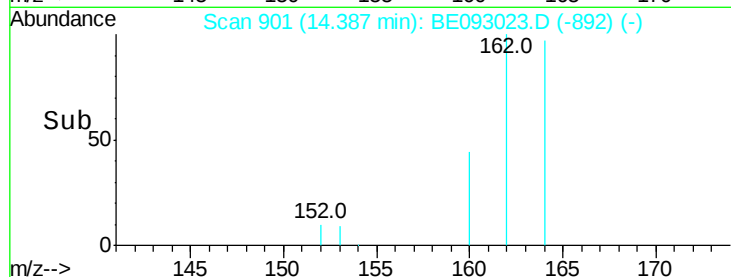
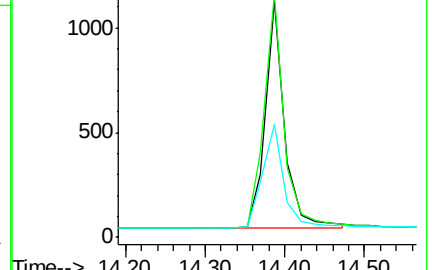
160 48.2 41.8 62.6



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: 0.55 ng

RT: 15.88 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

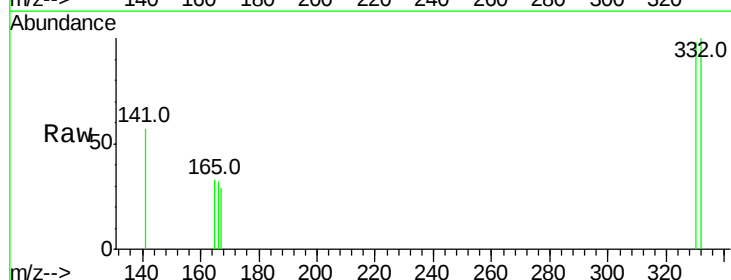
Tgt Ion:330 Resp: 271

Ion Ratio Lower Upper

330 100

332 95.9 77.7 116.5

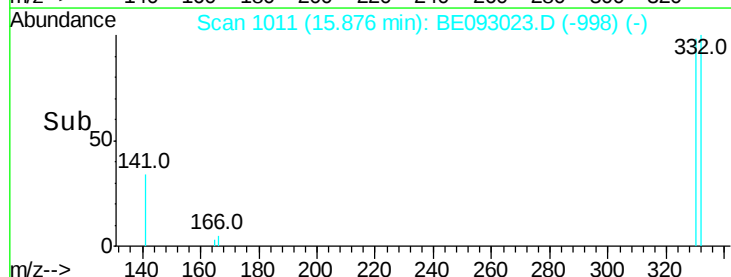
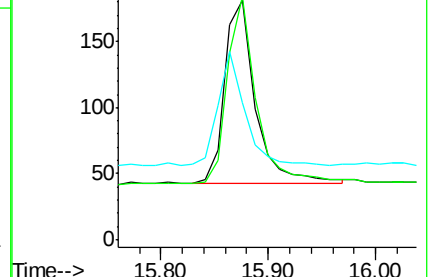
141 56.5 56.2 84.4

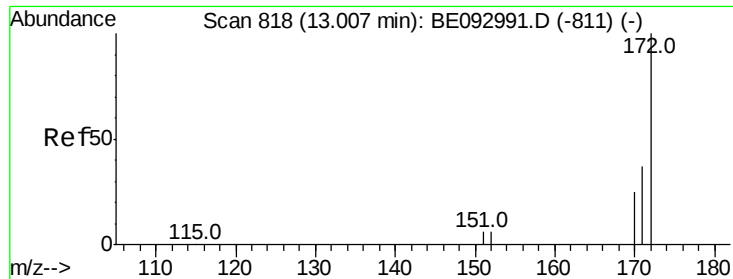


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

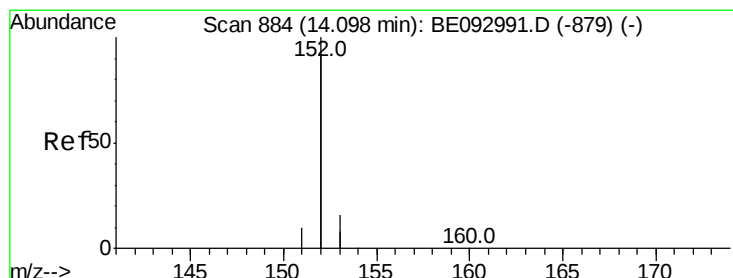
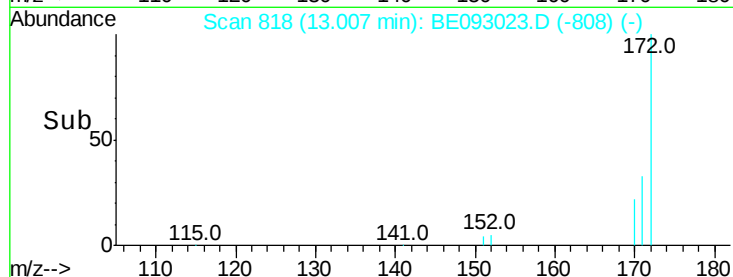
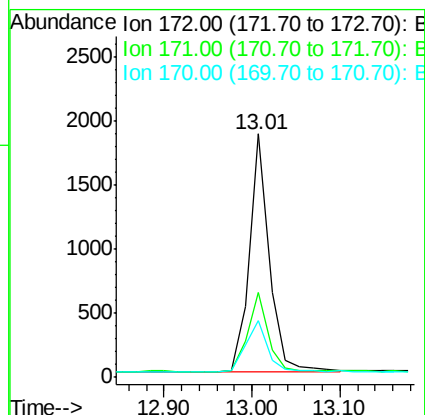
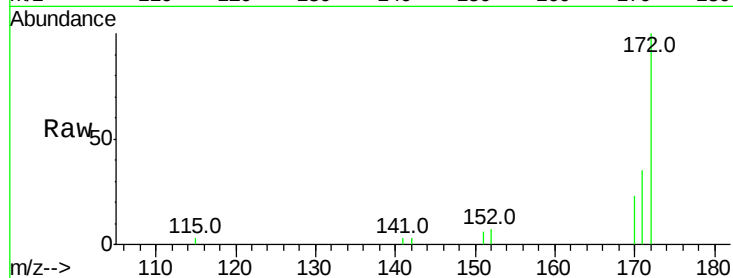




#15
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

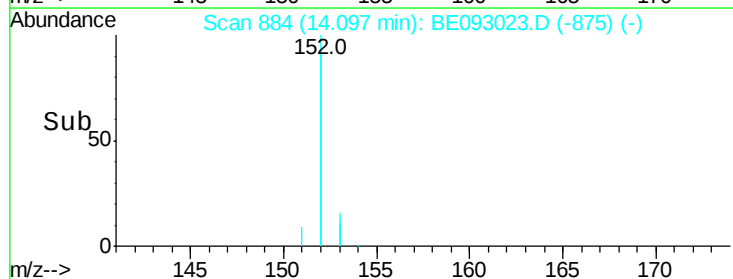
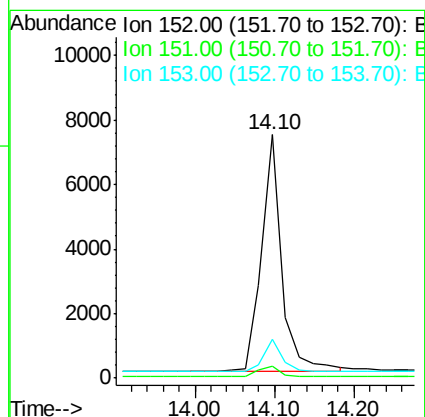
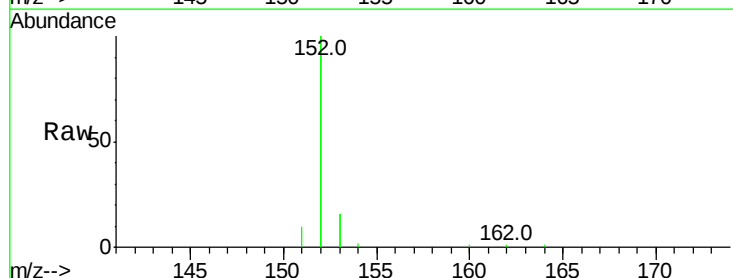
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

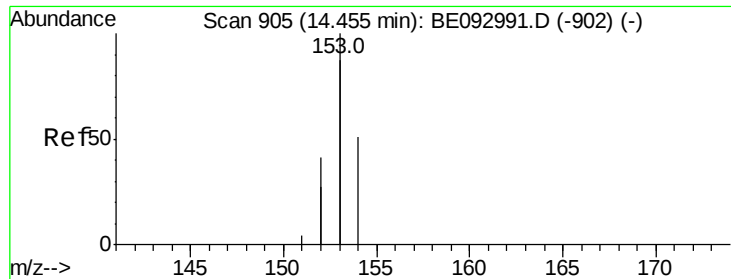
Tot Ion:172 Resp: 2923
Ion Ratio Lower Upper
172 100
171 34.9 29.8 44.6
170 23.5 20.7 31.1



#16
Acenaphthylene
Concen: 0.43 ng
RT: 14.10 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:152 Resp: 13206
Ion Ratio Lower Upper
152 100
151 5.0 4.0 6.0
153 13.1 10.3 15.5

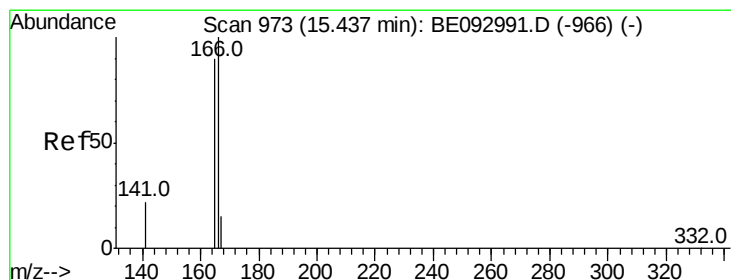
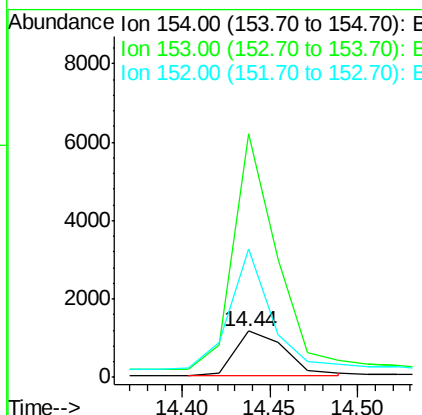
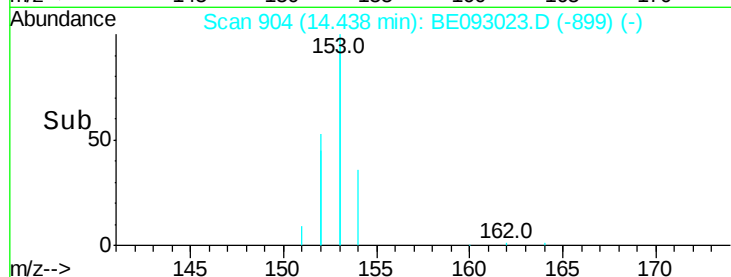
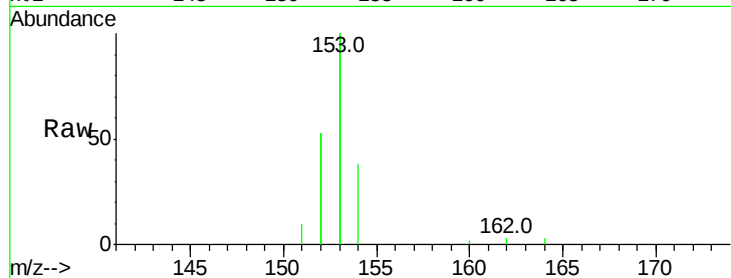




#17
Acenaphthene
Concen: 0.40 ng
RT: 14.44 min Scan# 904
Delta R.T. -0.02 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

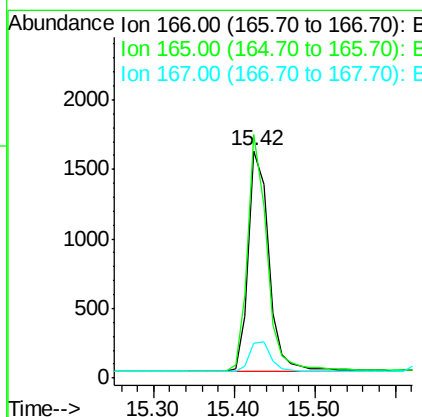
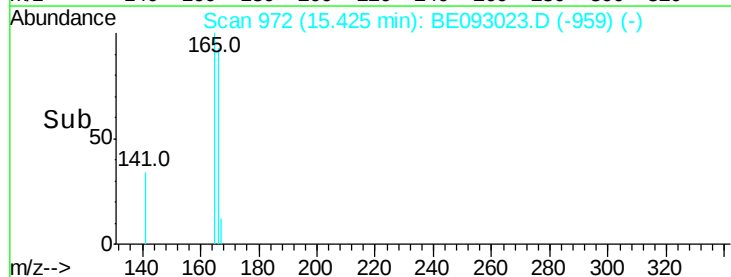
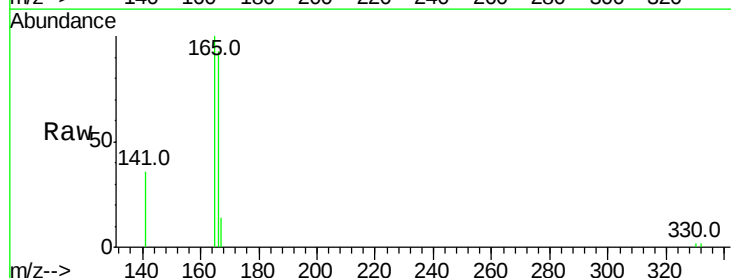
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

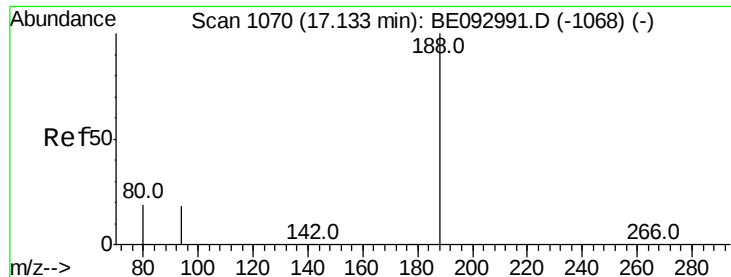
Tot Ion:154 Resp: 2242
Ion Ratio Lower Upper
154 100
153 461.9 367.8 551.6
152 223.6 188.2 282.2



#18
Fluorene
Concen: 0.40 ng
RT: 15.42 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:166 Resp: 2822
Ion Ratio Lower Upper
166 100
165 100.1 78.6 117.8
167 14.3 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1070

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

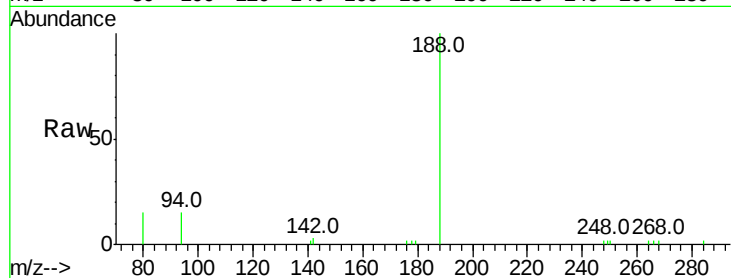
Tot Ion:188 Resp: 4963

Ion Ratio Lower Upper

188 100

94 15.2 11.3 16.9

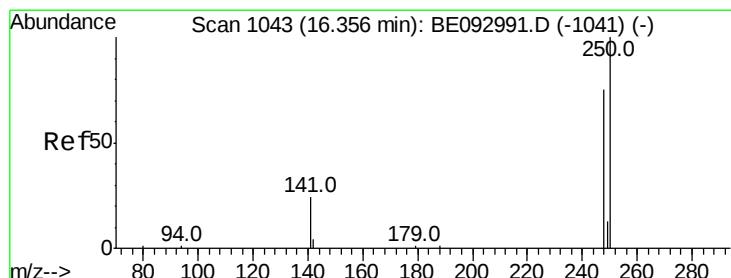
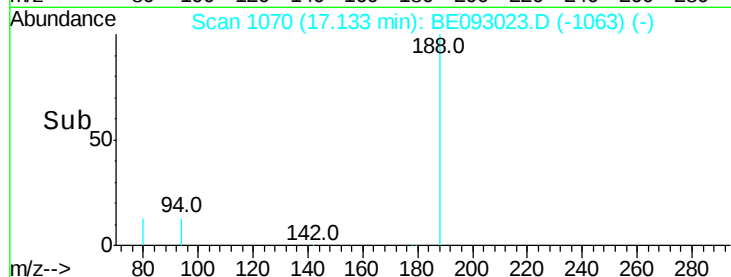
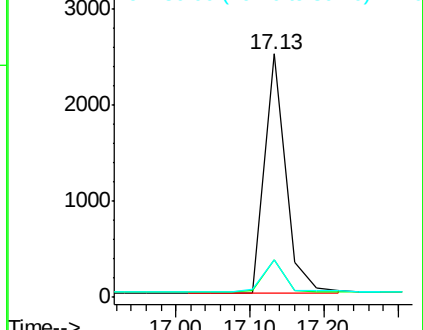
80 15.4 11.7 17.5



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: 0.36 ng

RT: 16.33 min Scan# 1042

Delta R.T. -0.03 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

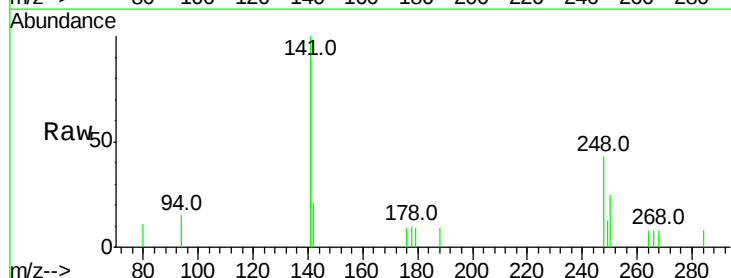
Tgt Ion:248 Resp: 575

Ion Ratio Lower Upper

248 100

250 58.4 100.0 150.0#

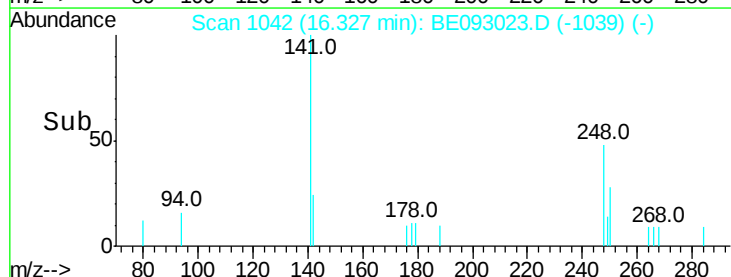
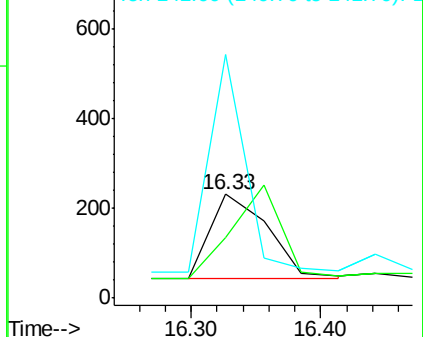
141 234.6 40.0 60.0#

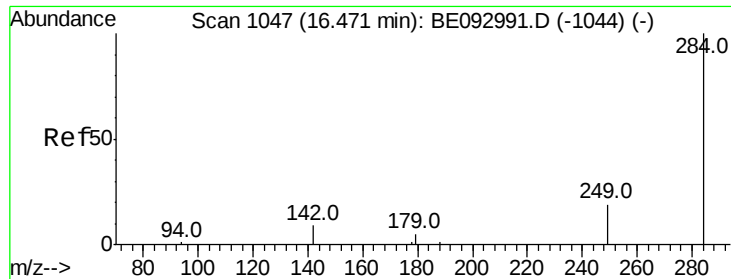


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

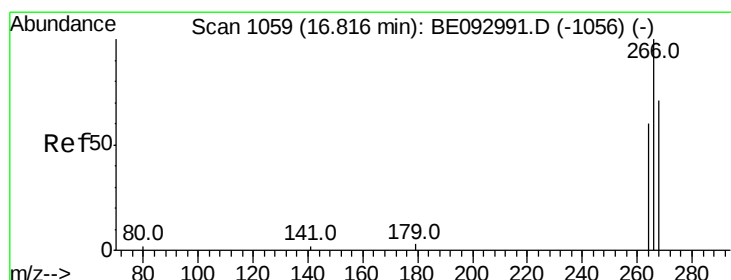
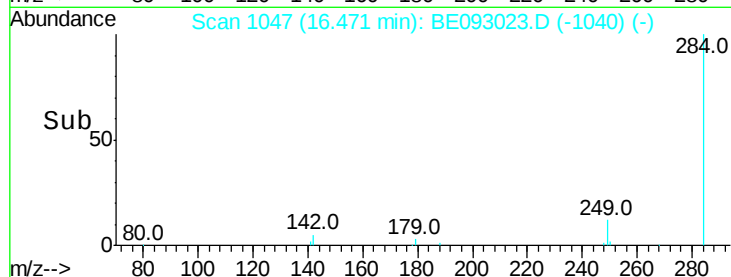
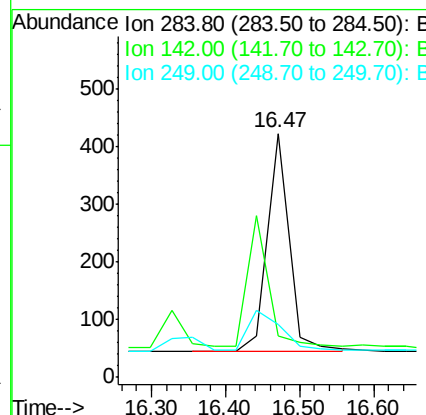
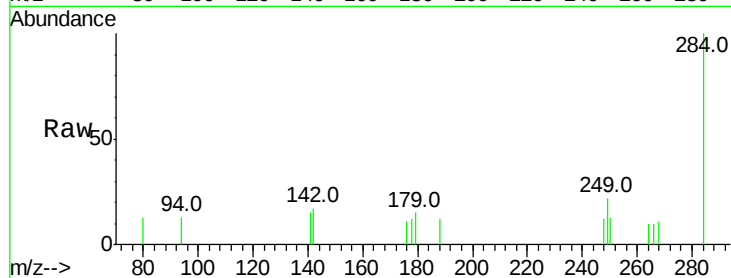




#21
Hexachlorobenzene
Concen: 0.30 ng
RT: 16.47 min Scan# 1047
Delta R.T. 0.01 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

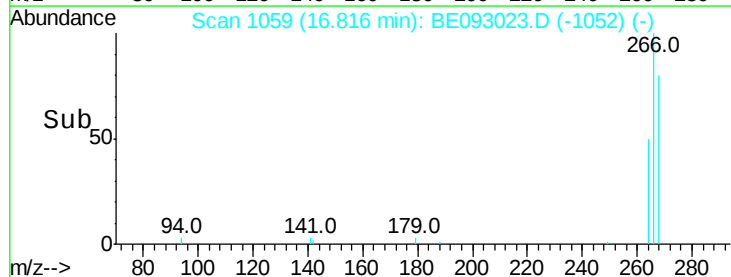
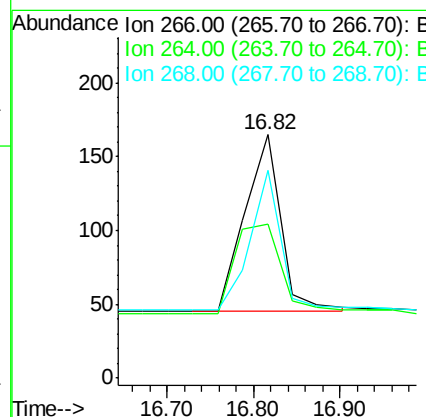
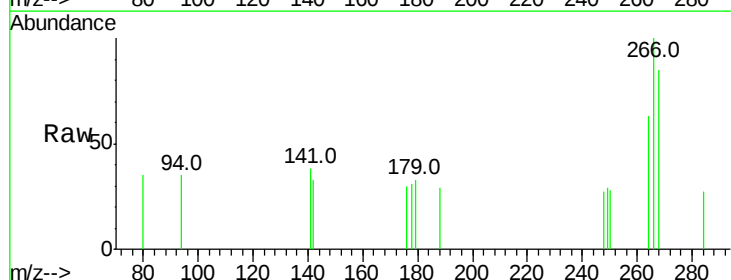
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

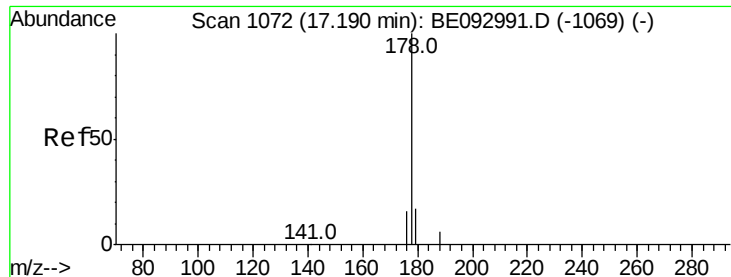
Tot Ion:284 Resp: 772
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



#22
Pentachlorophenol
Concen: 0.63 ng
RT: 16.82 min Scan# 1059
Delta R.T. 0.01 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:266 Resp: 349
Ion Ratio Lower Upper
266 100
264 63.0 58.2 87.2
268 85.5 71.9 107.9





#23

Phenanthrene

Concen: 0.35 ng

RT: 17.19 min Scan# 1072

Delta R.T. 0.01 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

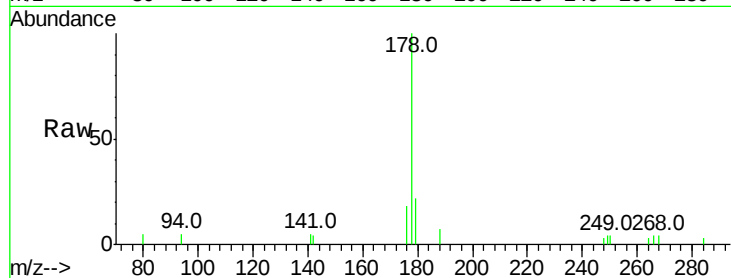
Tot Ion:178 Resp: 4064

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

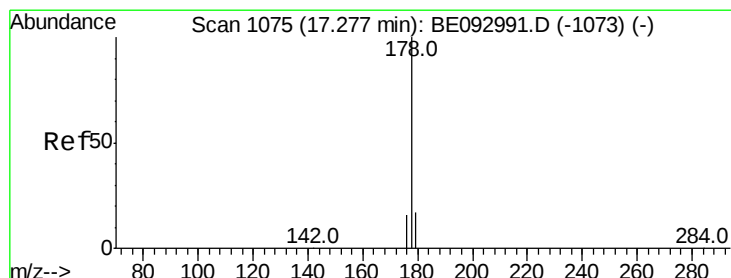
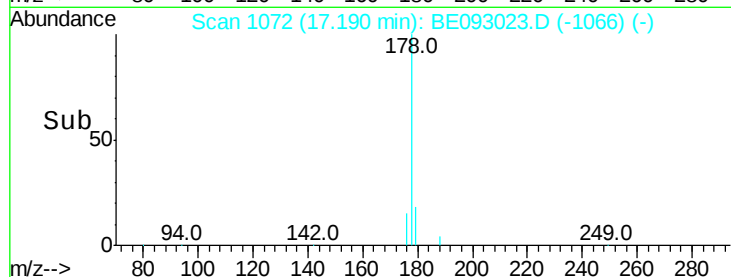
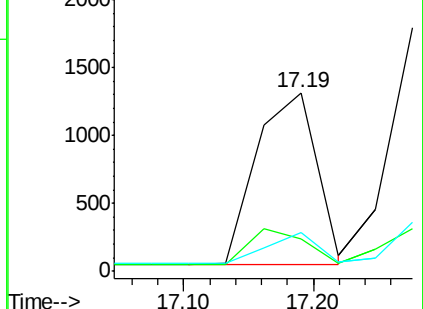
179 15.4 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.37 ng

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

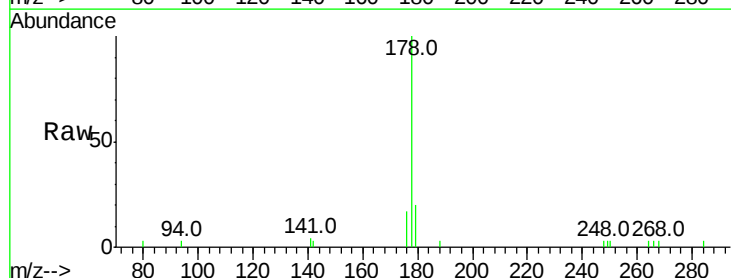
Tgt Ion:178 Resp: 3841

Ion Ratio Lower Upper

178 100

176 17.4 14.6 22.0

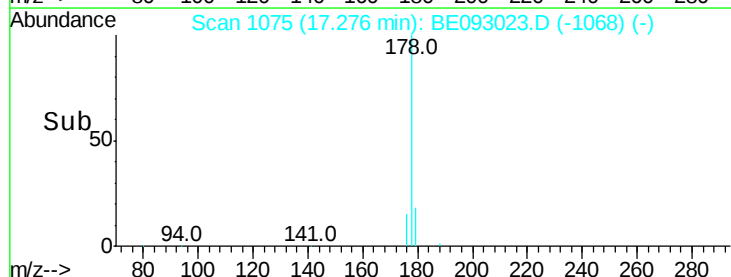
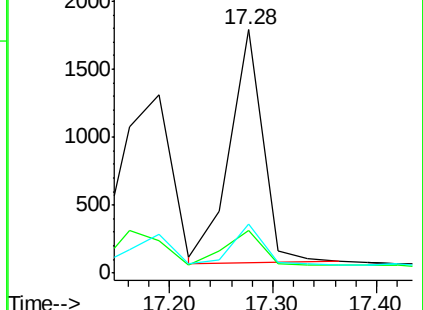
179 16.5 12.0 18.0

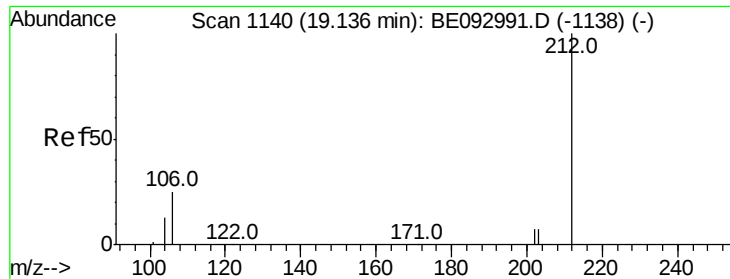


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

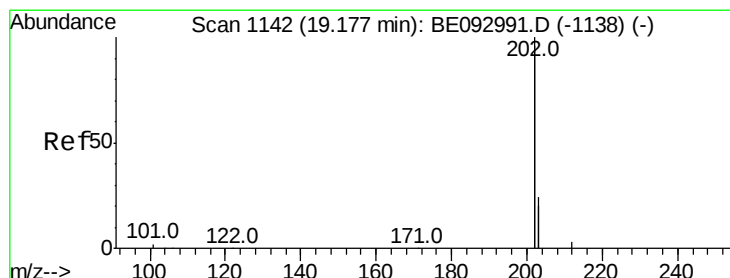
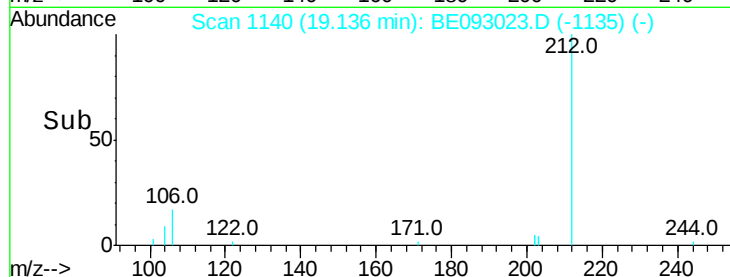
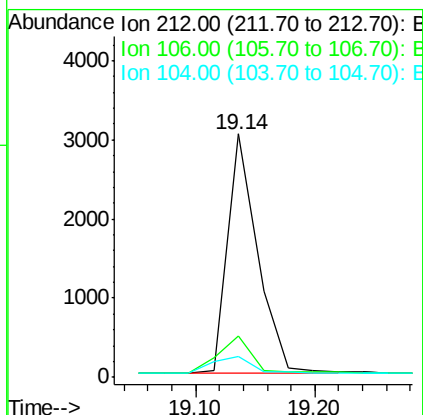
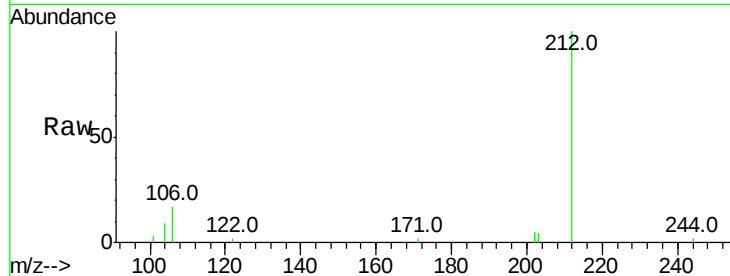




#25
 Fluoranthene-d10
 Concen: 0.40 ng
 RT: 19.14 min Scan# 1140
 Delta R.T. -0.02 min
 Lab File: BE093023.D
 Acq: 12 May 2017 18:15

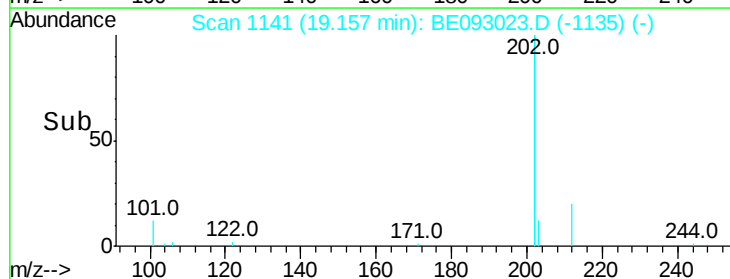
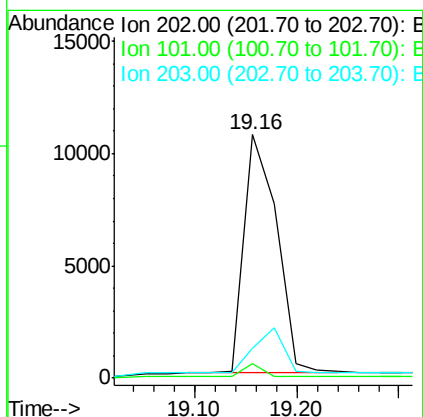
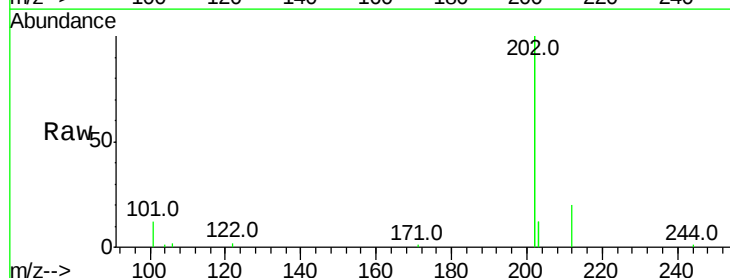
Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4EC

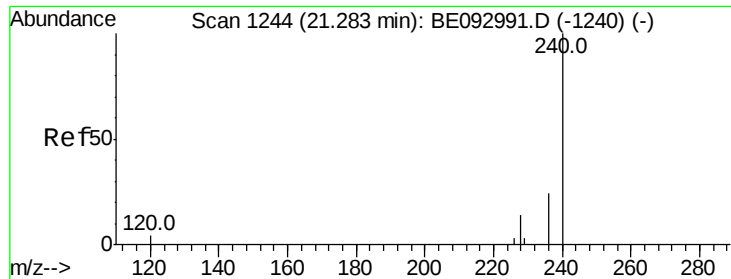
Tot Ion:212 Resp: 5270
 Ion Ratio Lower Upper
 212 100
 106 16.1 0.0 0.0#
 104 8.7 0.0 0.0#



#26
 Fluoranthene
 Concen: 0.37 ng
 RT: 19.16 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BE093023.D
 Acq: 12 May 2017 18:15

Tgt Ion:202 Resp: 23642
 Ion Ratio Lower Upper
 202 100
 101 3.9 0.0 0.0#
 203 0.0 14.4 21.6#

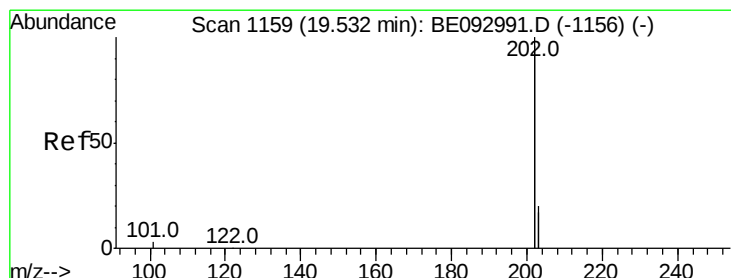
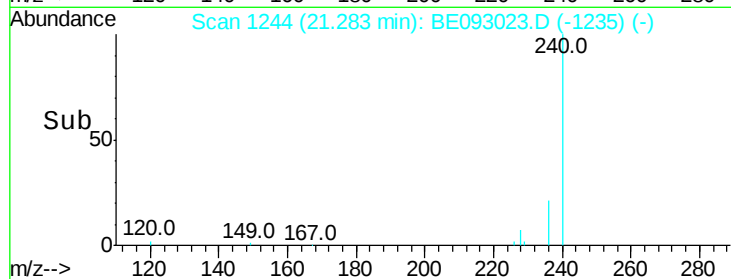
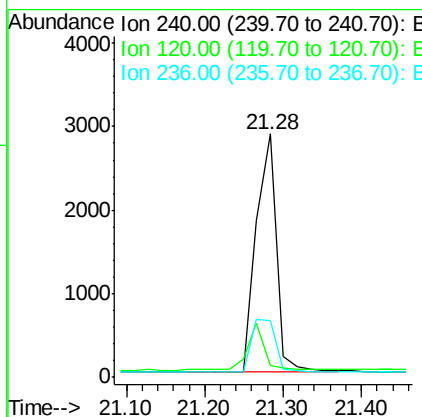
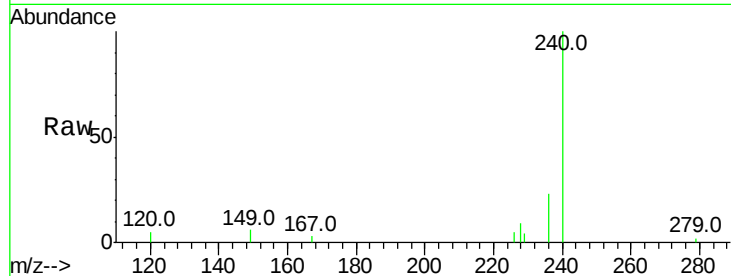




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

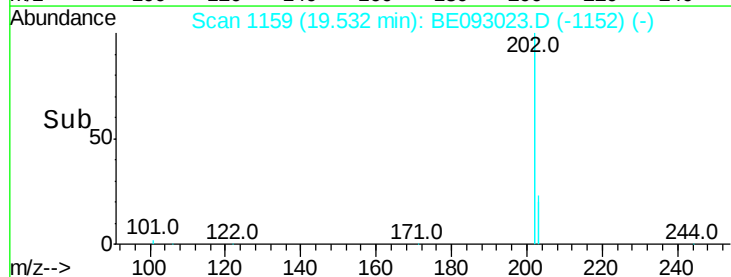
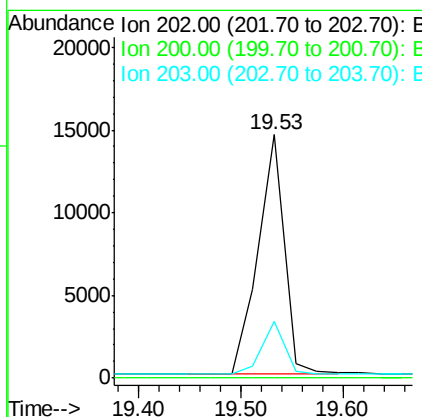
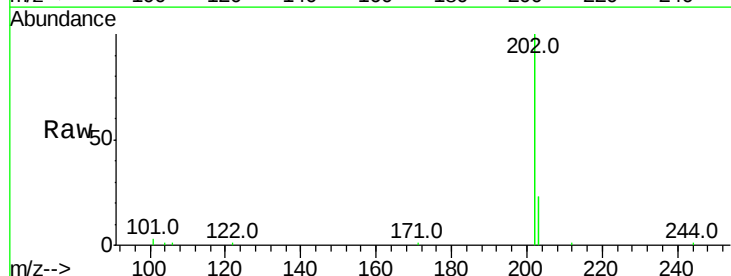
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

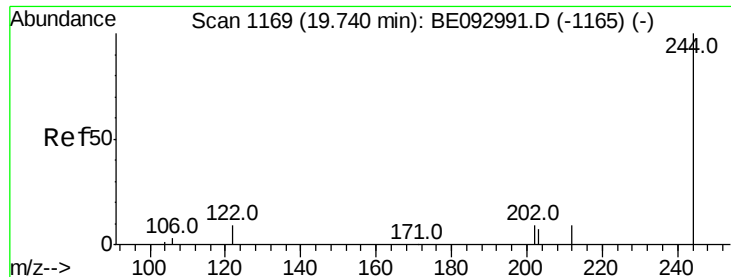
Tot Ion:240 Resp: 5208
Ion Ratio Lower Upper
240 100
120 4.9 4.6 7.0
236 23.1 20.8 31.2



#28
Pyrene
Concen: 0.39 ng
RT: 19.53 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:202 Resp: 25600
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.9 13.7 20.5





#29

Terphenyl-d14

Concen: 0.41 ng

RT: 19.74 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

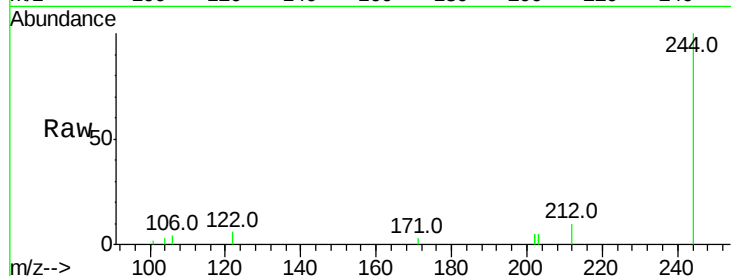
Tot Ion:244 Resp: 3821

Ion Ratio Lower Upper

244 100

212 10.0 10.6 16.0#

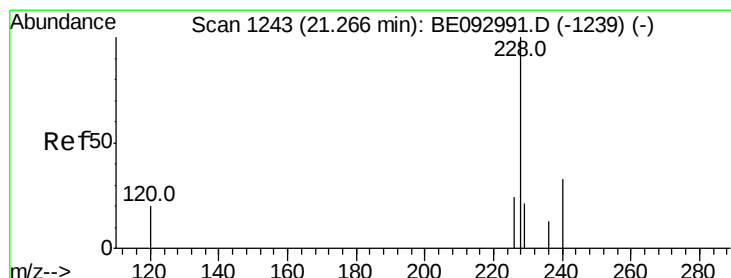
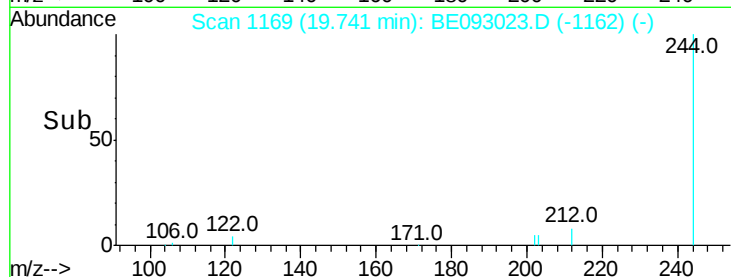
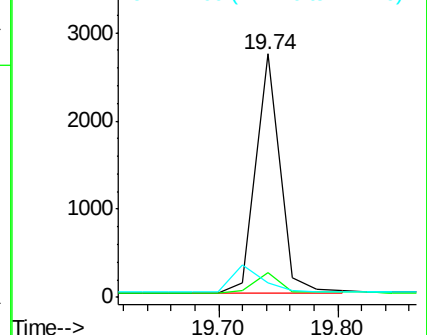
122 6.1 15.4 23.0#



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: 0.46 ng

RT: 21.25 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

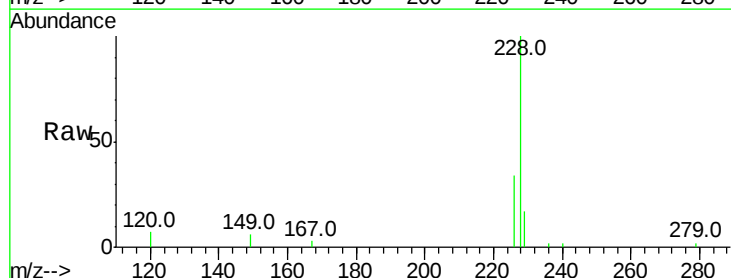
Tgt Ion:228 Resp: 5887

Ion Ratio Lower Upper

228 100

226 34.1 19.7 29.5#

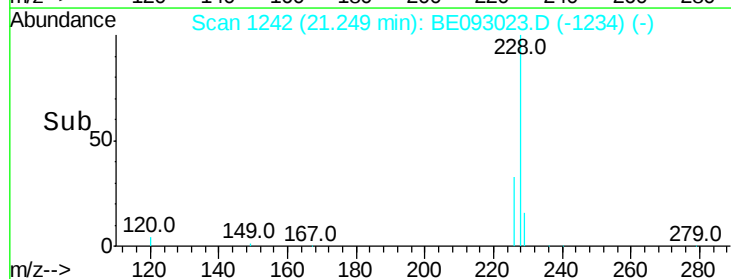
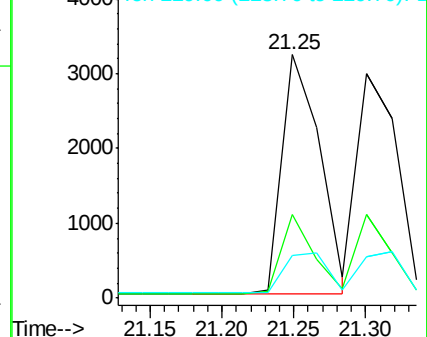
229 17.5 19.2 28.8#

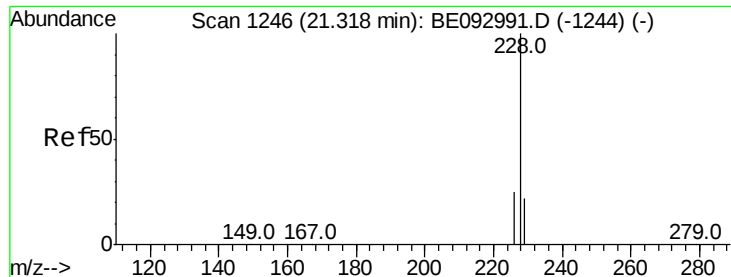


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.36 ng

RT: 21.30 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

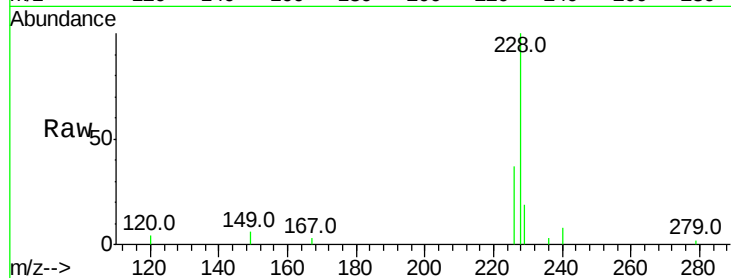
Tot Ion:228 Resp: 5815

Ion Ratio Lower Upper

228 100

226 37.3 21.5 32.3#

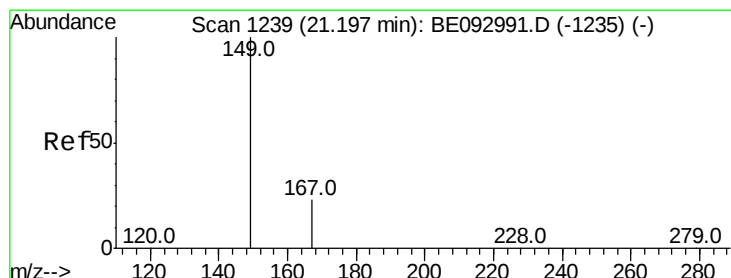
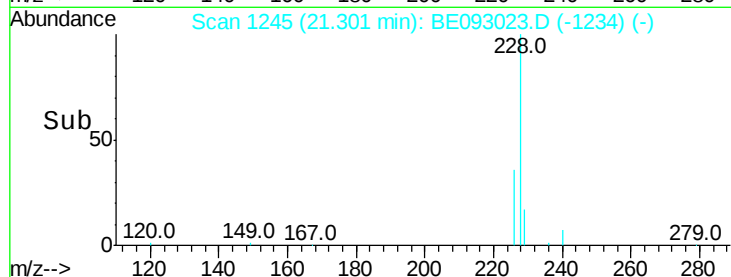
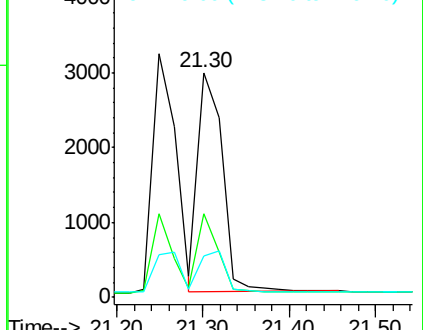
229 18.6 18.6 28.0#



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: 0.99 ng m

RT: 21.20 min Scan# 1239

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

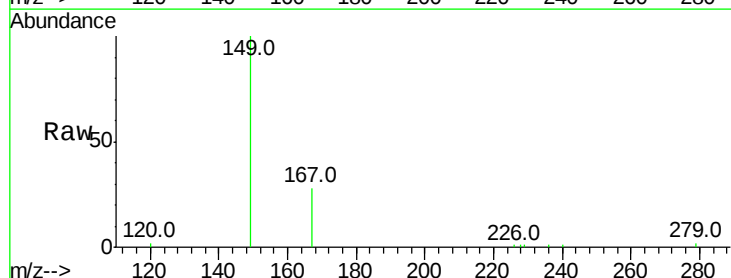
Tgt Ion:149 Resp: 5742

Ion Ratio Lower Upper

149 100

167 26.8 20.1 30.1

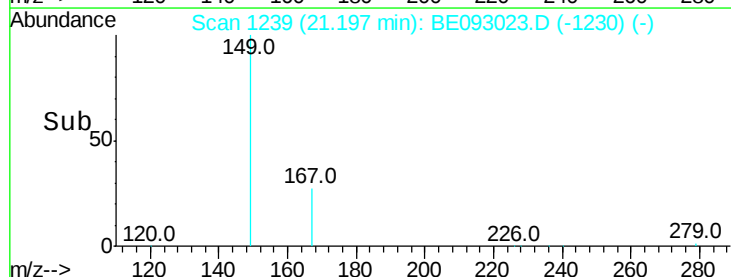
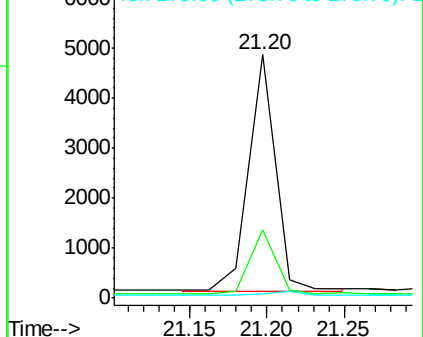
279 2.5 2.2 3.4

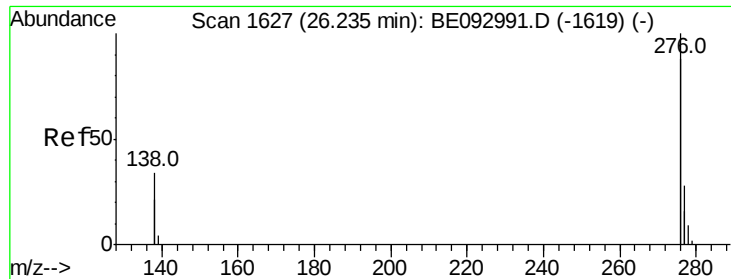


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.46 ng

RT: 26.22 min Scan# 1626

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

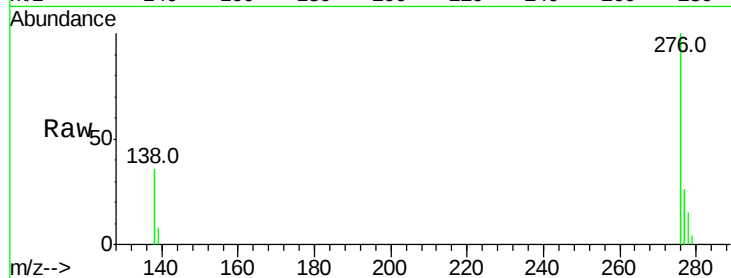
Tot Ion:276 Resp: 23436

Ion Ratio Lower Upper

276 100

138 35.2 27.4 41.2

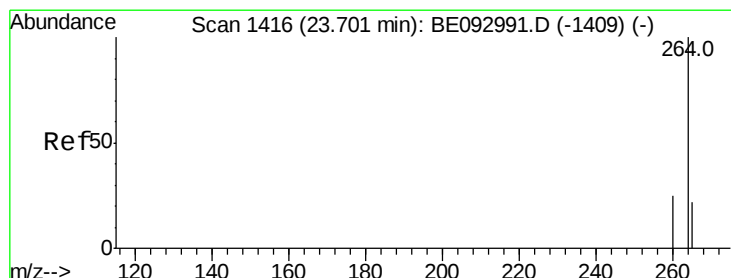
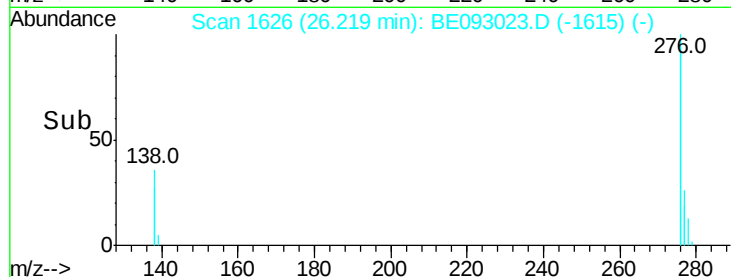
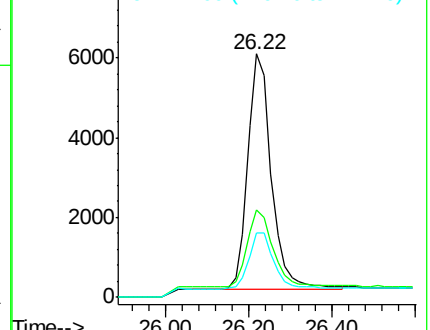
277 25.0 20.1 30.1



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: 23.69 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

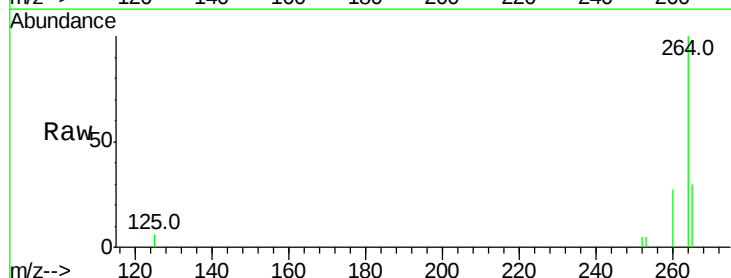
Tgt Ion:264 Resp: 4681

Ion Ratio Lower Upper

264 100

260 27.1 21.0 31.4

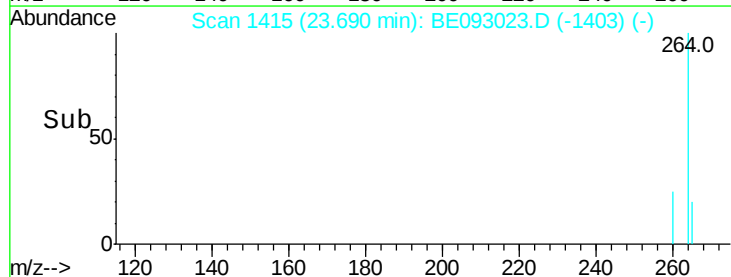
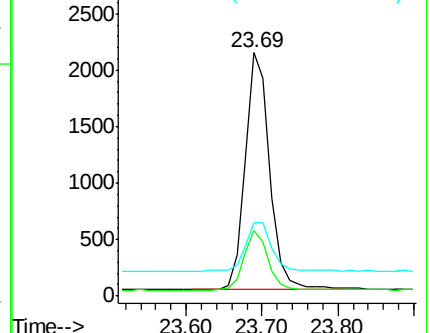
265 30.1 24.6 36.8

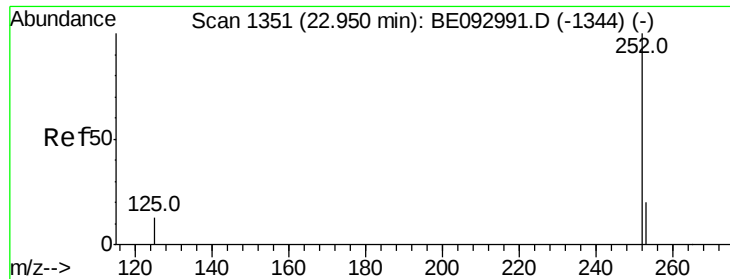


Abundance Ion 264.00 (263.70 to 264.70): E

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# 1351

Delta R.T. 0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

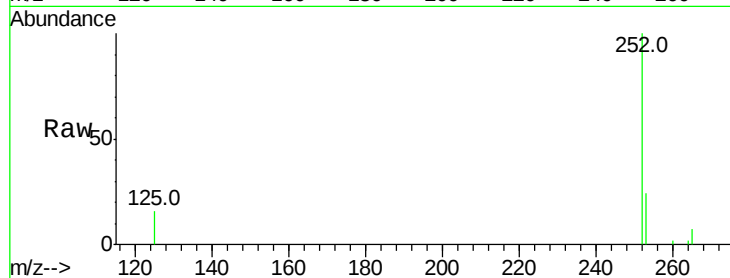
Tot Ion:252 Resp: 5514

Ion Ratio Lower Upper

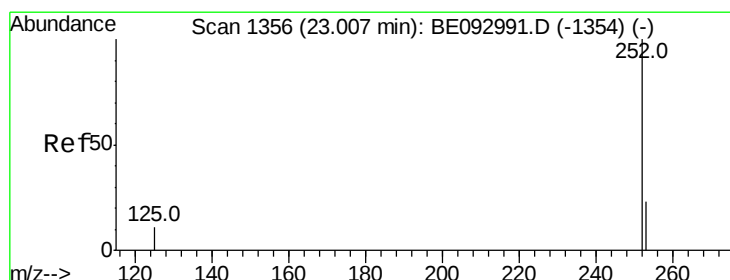
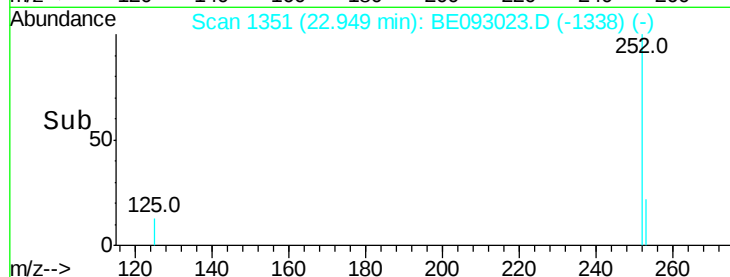
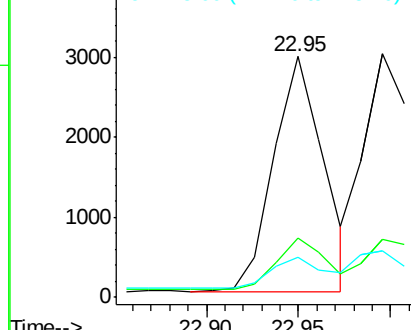
252 100

253 24.5 18.5 27.7

125 16.4 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: 0.38 ng m

RT: 23.00 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

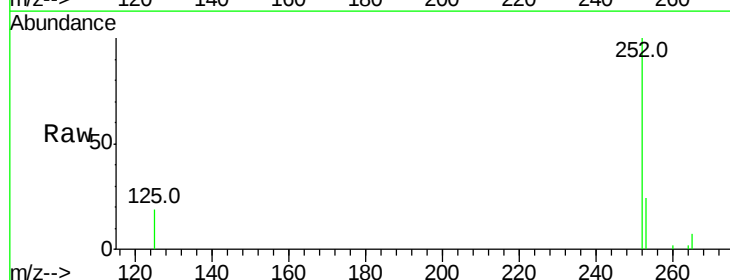
Tgt Ion:252 Resp: 5706

Ion Ratio Lower Upper

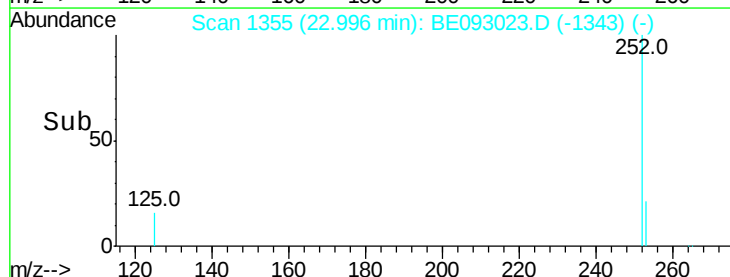
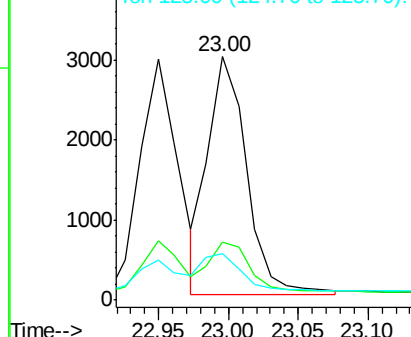
252 100

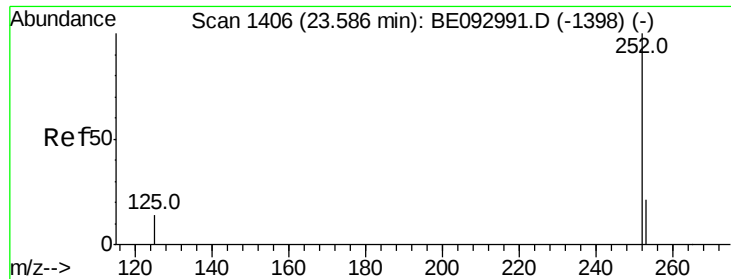
253 24.1 20.3 30.5

125 19.1 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: 0.40 ng

RT: 23.59 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

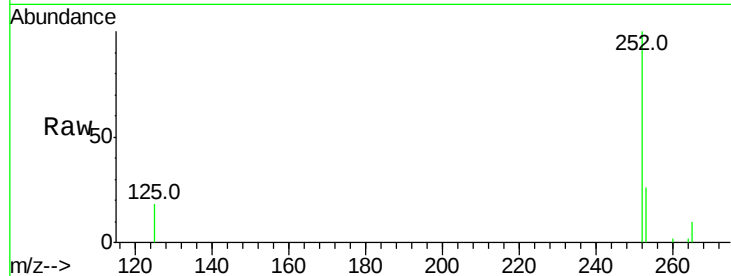
Tot Ion:252 Resp: 5200

Ion Ratio Lower Upper

252 100

253 26.3 19.9 29.9

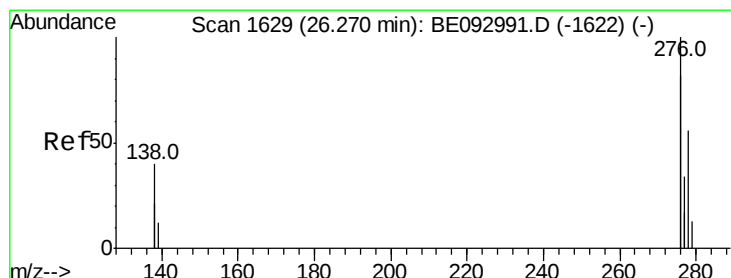
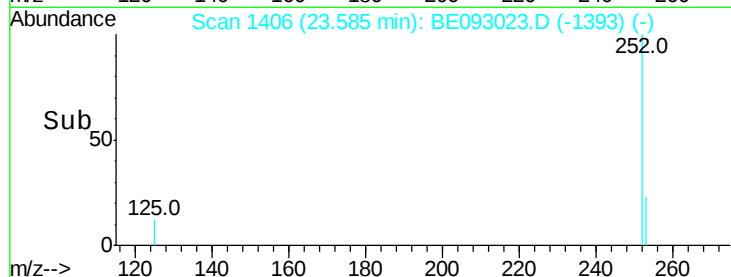
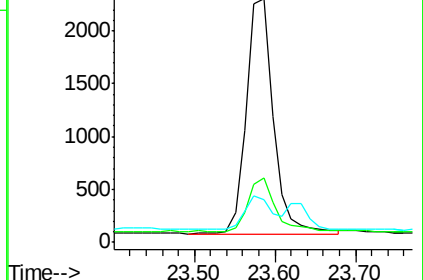
125 17.8 14.6 21.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.42 ng

RT: 26.25 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

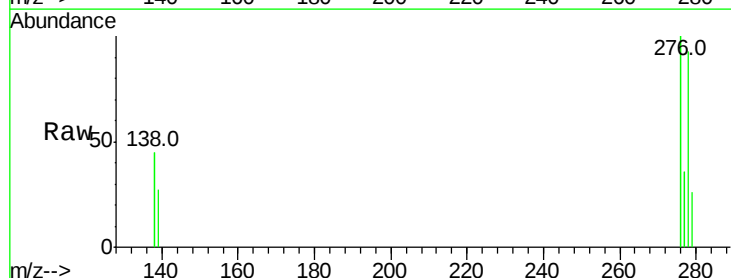
Tgt Ion:278 Resp: 5015

Ion Ratio Lower Upper

278 100

139 28.9 21.4 32.0

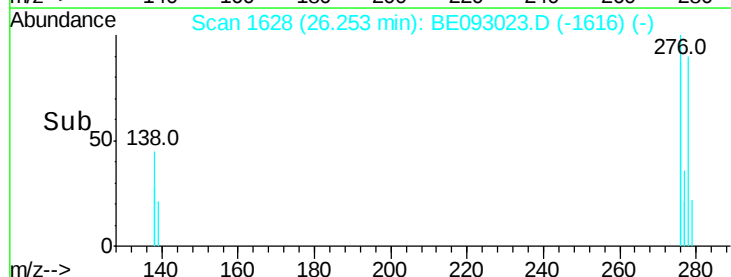
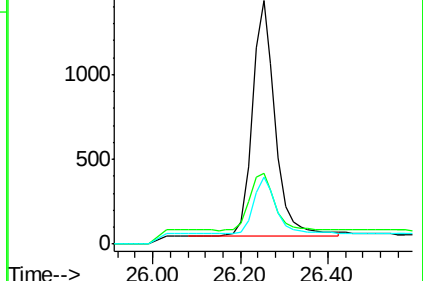
279 27.6 22.2 33.2

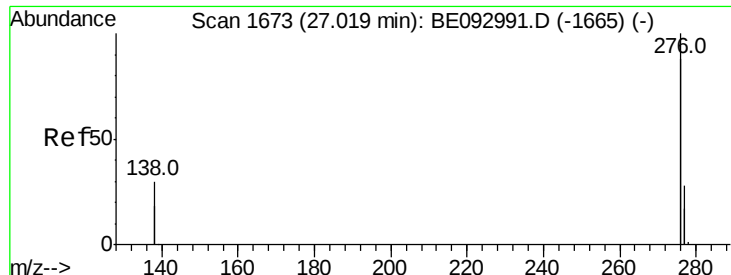


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.38 ng

RT: 27.00 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BE093023.D

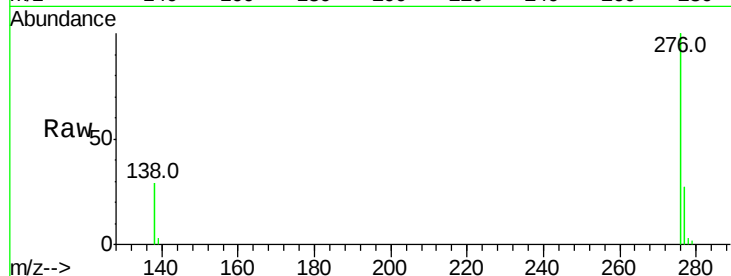
Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



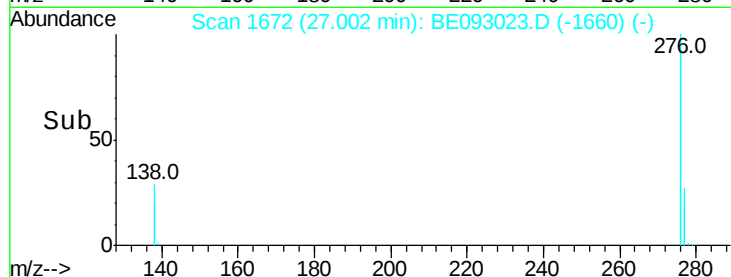
Tot Ion: 276 Resp: 20694

Ion Ratio Lower Upper

276 100

277 27.1 21.2 31.8

138 29.3 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

