

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
 Data File : BE093030.D
 Acq On : 15 May 2017 12:14
 Operator : SJ/MA
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Quant Time: May 15 12:55:57 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 15 12:18:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	806	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3612	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1847	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5198	0.40	ng	0.00
27) Chrysene-d12	21.28	240	4661	0.40	ng	0.00
34) Perylene-d12	23.69	264	3674	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	7803	3.15	ng	0.00
5) Phenol-d6	6.92	99	11005	3.32	ng	0.00
8) Nitrobenzene-d5	8.88	82	10912	3.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	17326	3.29	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	2023	3.82	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	24001	3.15	ng	0.00
25) Fluoranthene-d10	19.14	212	39549	2.84	ng	0.00
29) Terphenyl-d14	19.74	244	29836	3.48	ng	0.00

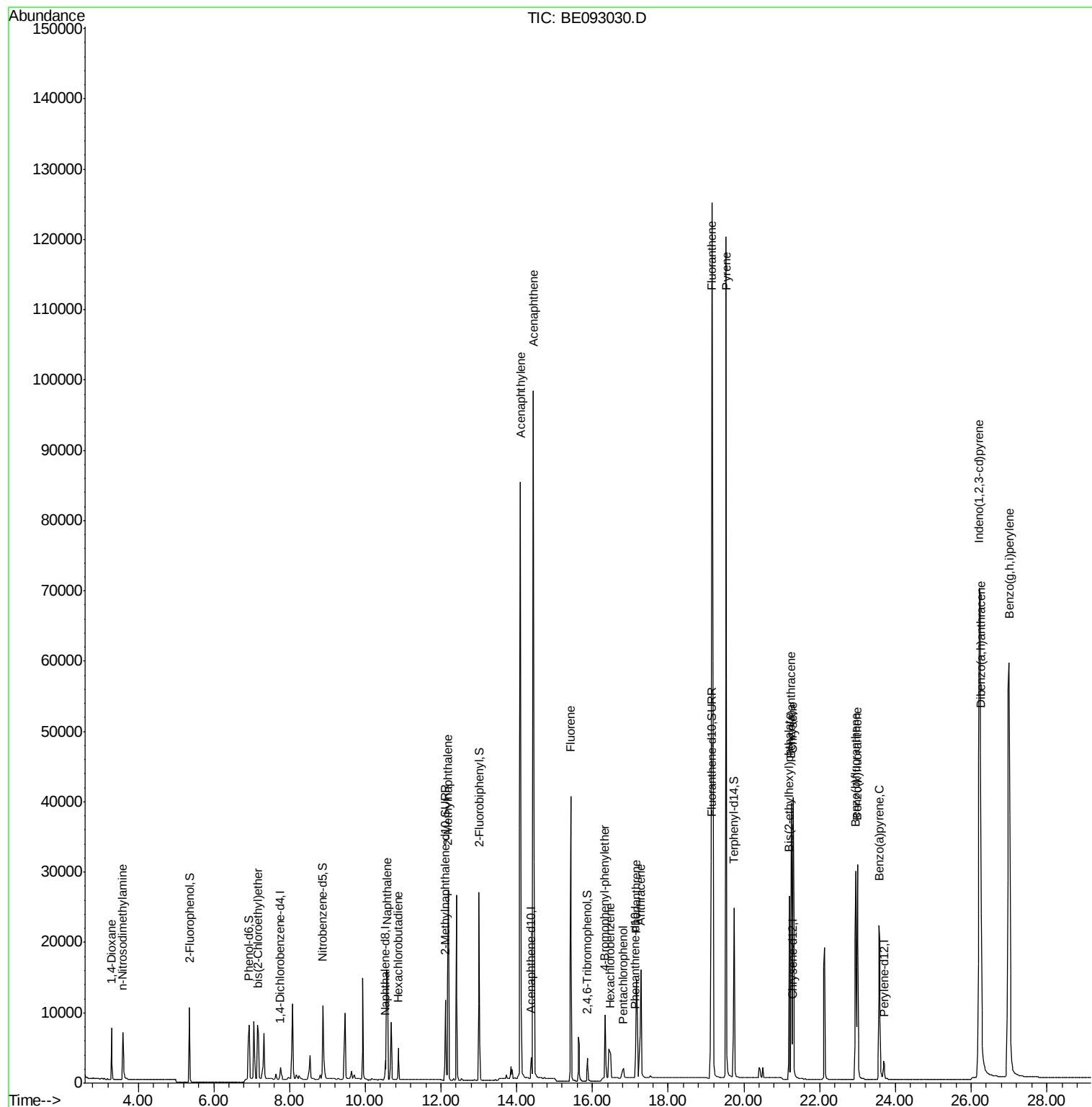
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	4742	2.85	ng	97
3) n-Nitrosodimethylamine	3.59	42	4884	3.38	ng	# 98
6) bis(2-Chloroethyl)ether	7.18	93	8882	3.28	ng	# 99
9) Naphthalene	10.56	128	29904	3.13	ng	# 93
10) Hexachlorobutadiene	10.87	225	3948	3.15	ng	99
12) 2-Methylnaphthalene	12.19	142	19467	3.32	ng	92
16) Acenaphthylene	14.10	152	117105	3.71	ng	99
17) Acenaphthene	14.44	154	18548	3.18	ng	98
18) Fluorene	15.42	166	23563	3.32	ng	100
20) 4-Bromophenyl-phenylether	16.33	248	4865	2.98	ng	# 1
21) Hexachlorobenzene	16.47	284	5860	2.51	ng	# 100
22) Pentachlorophenol	16.82	266	1875	1.66	ng	# 85
23) Phenanthrene	17.16	178	29243	2.50	ng	# 80
24) Anthracene	17.28	178	28236	2.58	ng	98
26) Fluoranthene	19.16	202	189127	2.91	ng	# 59
28) Pyrene	19.53	202	183773	3.29	ng	# 96
30) Benzo(a)anthracene	21.25	228	43788	3.51	ng	# 85
31) Chrysene	21.30	228	43890	3.25	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.20	149	23919	3.29	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.22	276	160258	3.24	ng	99
35) Benzo(b)fluoranthene	22.95	252	40661	3.57	ng	# 95
36) Benzo(k)fluoranthene	23.00	252	38683	3.35	ng	93
37) Benzo(a)pyrene	23.57	252	35976	3.42	ng	93
38) Dibenzo(a,h)anthracene	26.25	278	34327	3.54	ng	# 89
39) Benzo(g,h,i)perylene	27.00	276	143007	3.35	ng	95

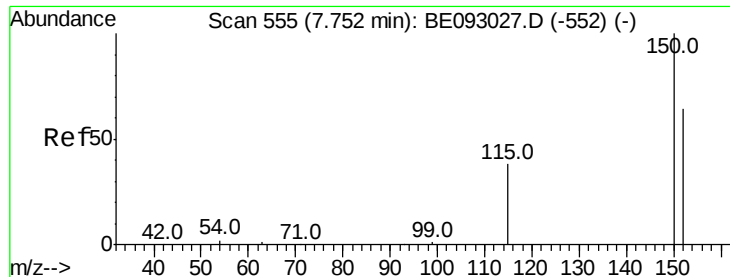
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampled :

SSTDICC3.2

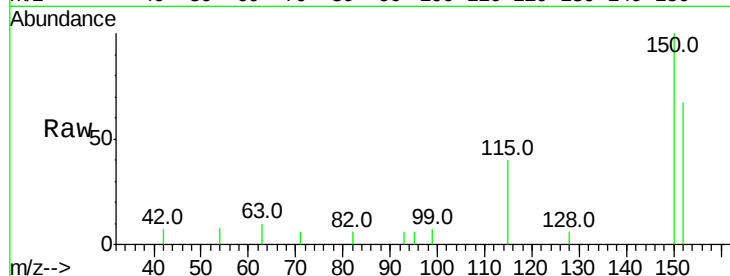
Tot Ion:152 Resp: 806

Ion Ratio Lower Upper

152 100

150 150.0 125.1 187.7

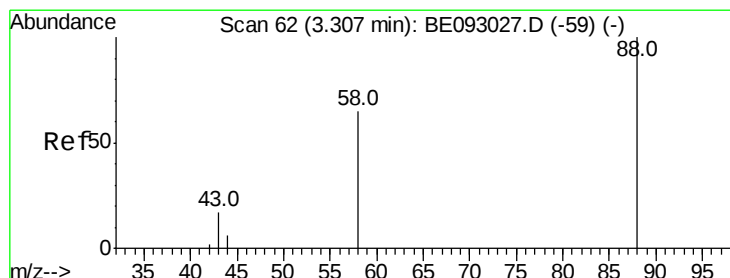
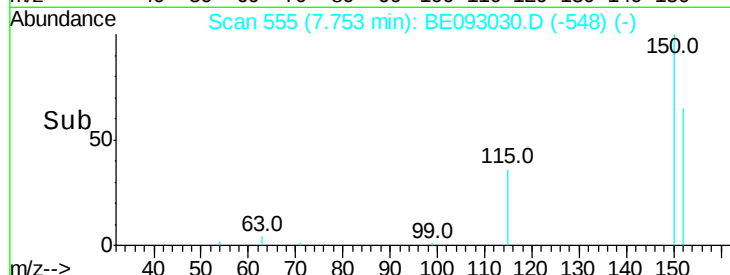
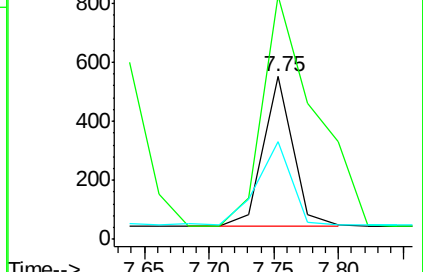
115 60.4 55.7 83.5



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: 2.85 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

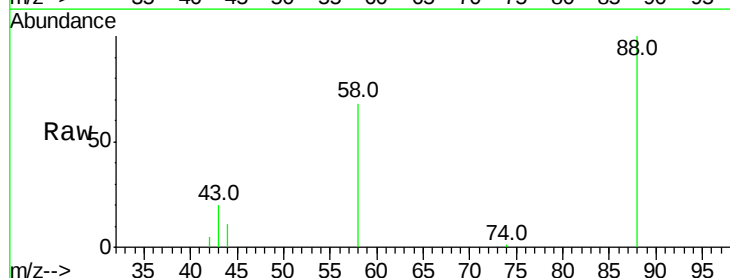
Tgt Ion: 88 Resp: 4742

Ion Ratio Lower Upper

88 100

58 80.5 62.2 93.4

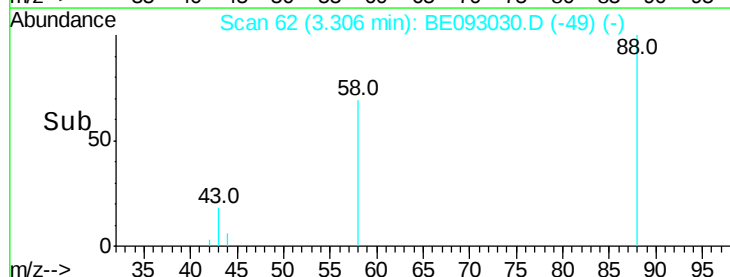
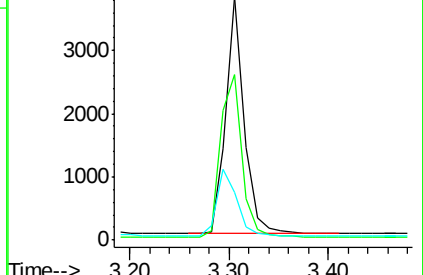
43 30.6 23.2 34.8

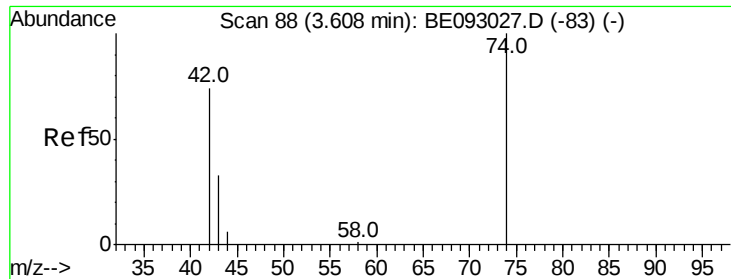


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.38 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

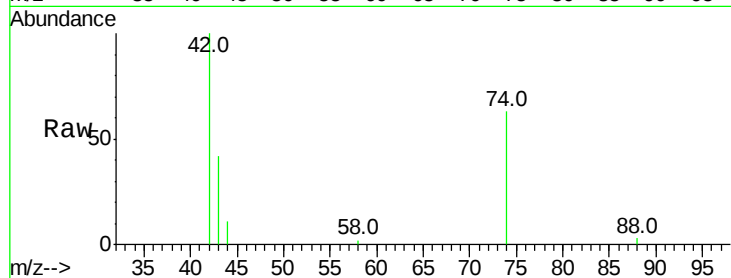
Tot Ion: 42 Resp: 4884

Ion Ratio Lower Upper

42 100

74 126.1 99.1 148.7

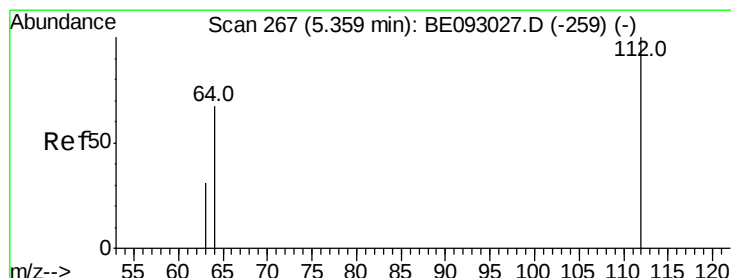
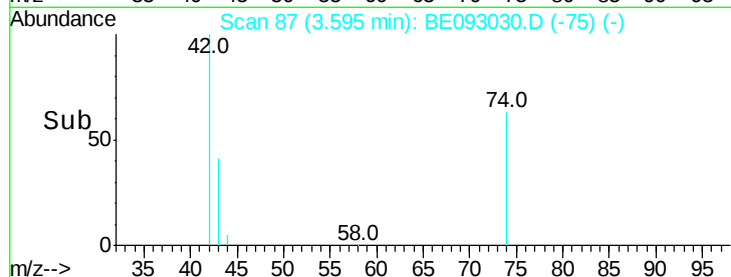
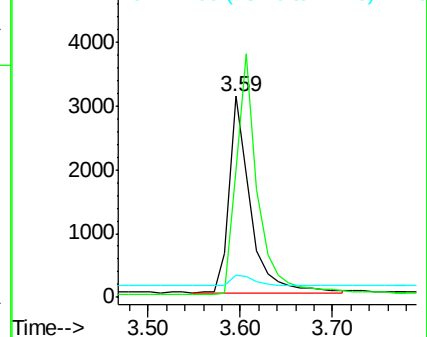
44 6.4 7.4 11.2#



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: 3.15 ng

RT: 5.36 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

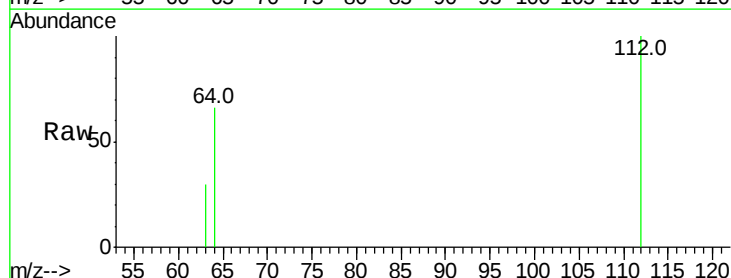
Tgt Ion: 112 Resp: 7803

Ion Ratio Lower Upper

112 100

64 71.1 56.4 84.6

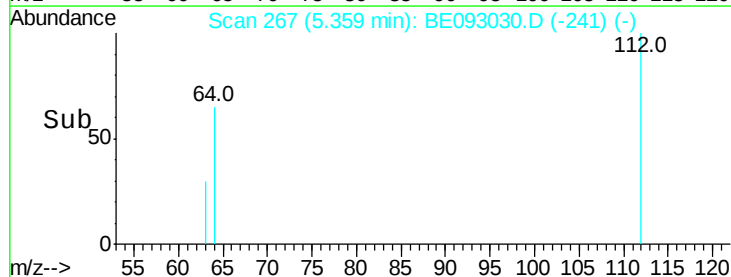
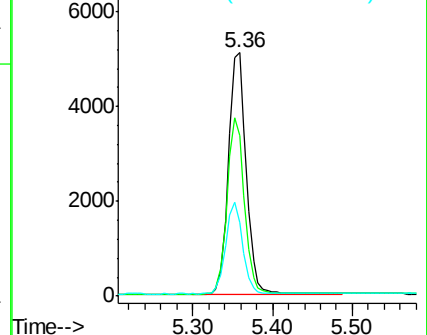
63 36.4 29.3 43.9

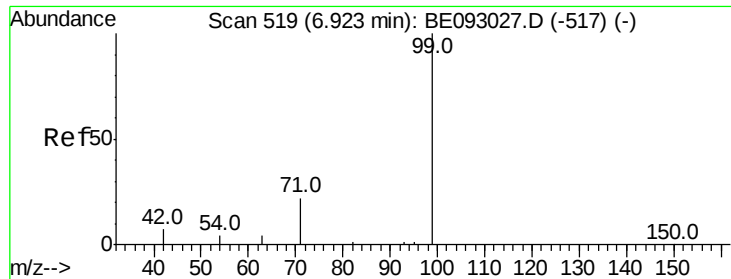


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.32 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

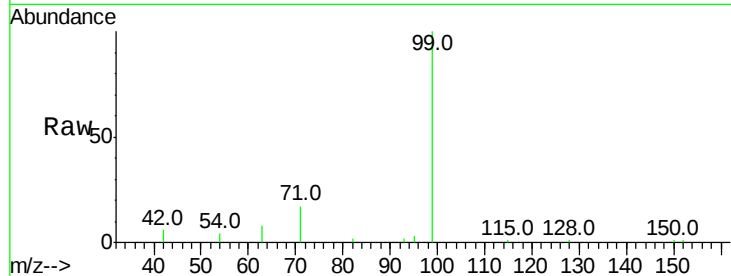
Tot Ion: 99 Resp: 11005

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

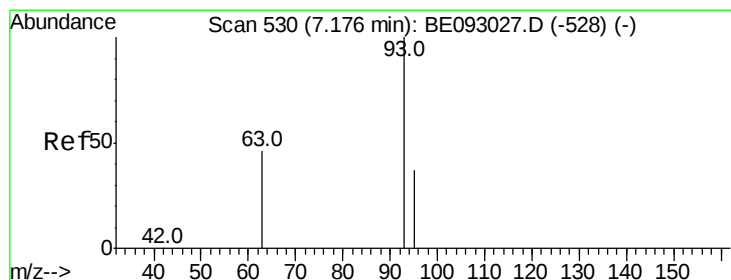
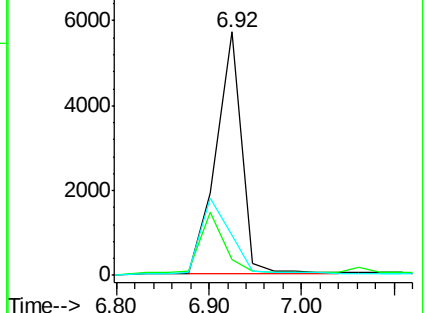
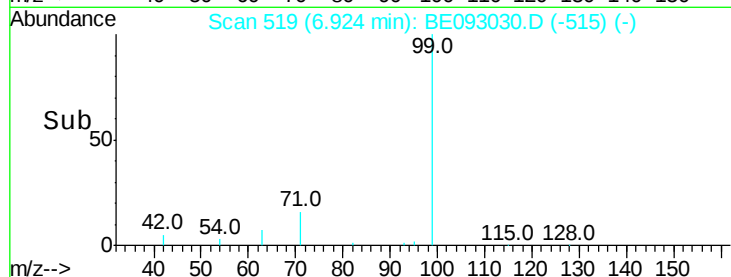
71 0.0 0.0 0.0



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: 3.28 ng

RT: 7.18 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

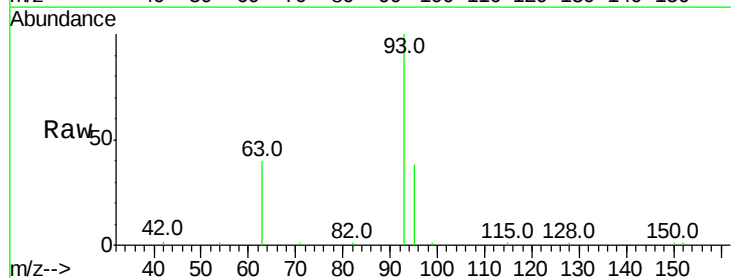
Tgt Ion: 93 Resp: 8882

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

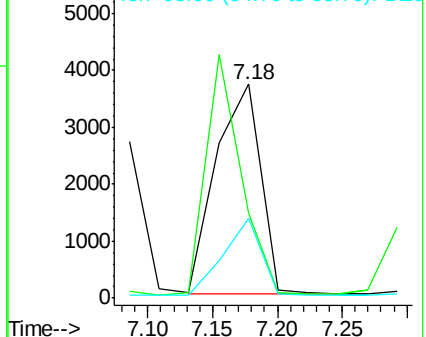
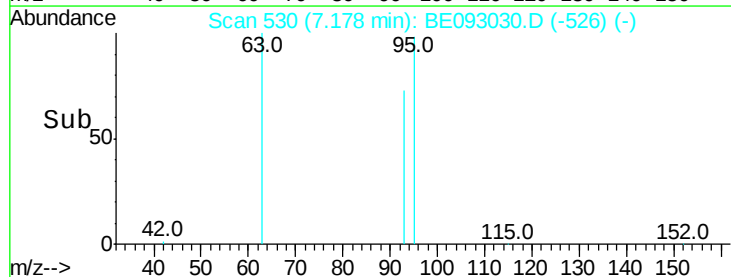
95 31.4 25.4 38.0

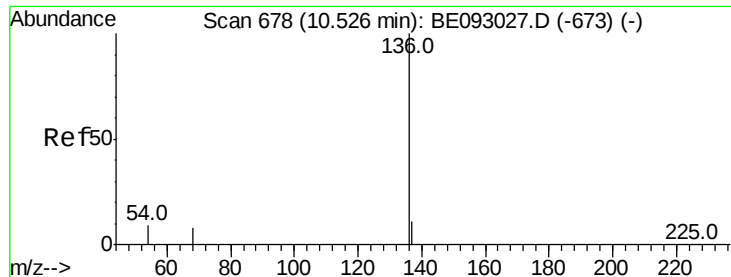


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

Tot Ion:136 Resp: 3612

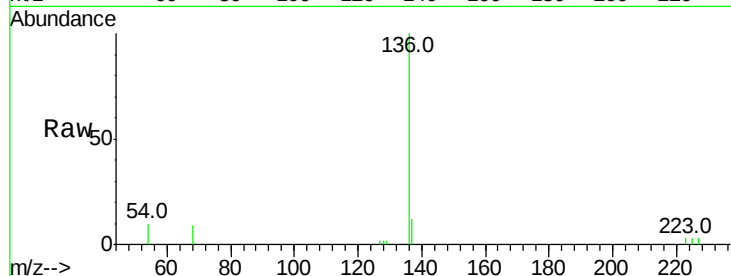
Ion Ratio Lower Upper

136 100

137 12.4 9.8 14.8

54 10.0 10.3 15.5#

68 9.1 9.0 13.4

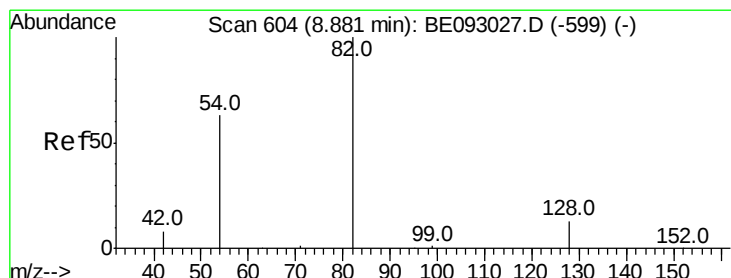
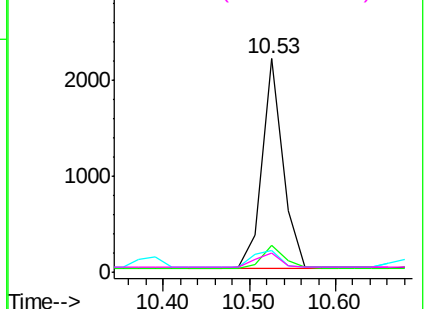
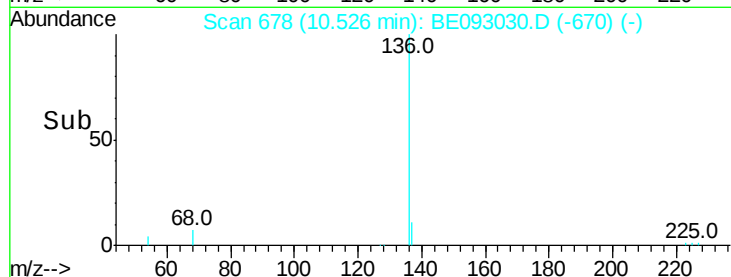


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.51 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

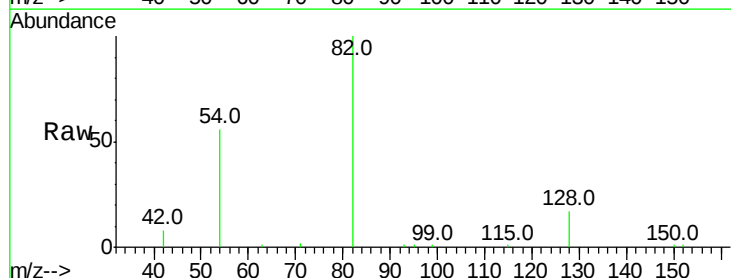
Tgt Ion: 82 Resp: 10912

Ion Ratio Lower Upper

82 100

128 16.6 17.0 25.4#

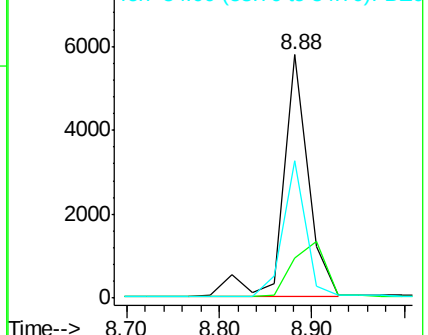
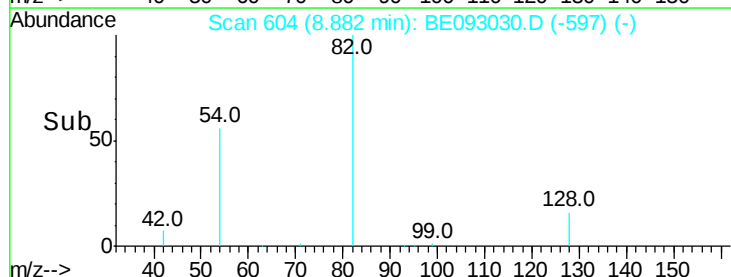
54 56.4 53.8 80.6

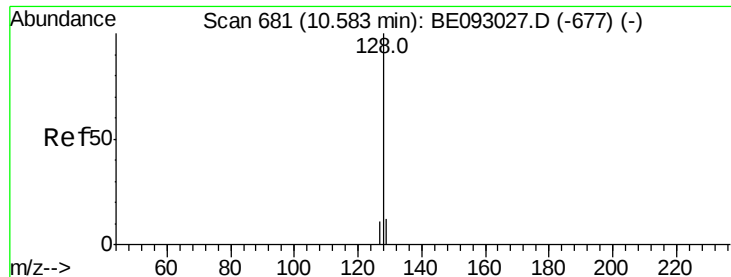


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.13 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

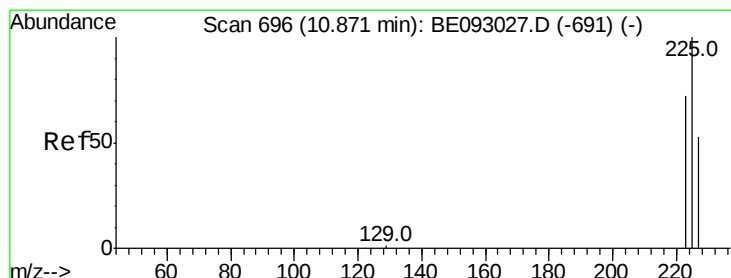
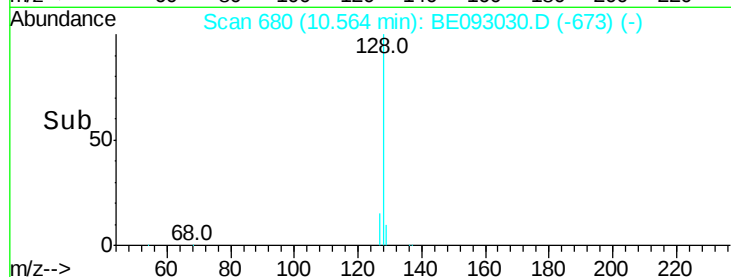
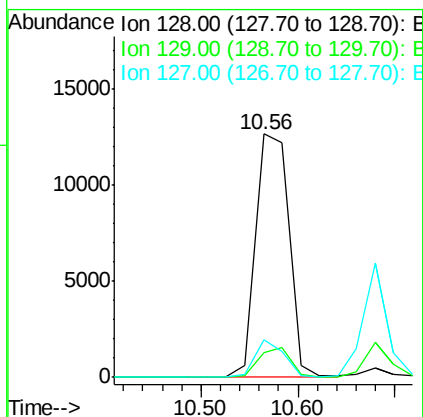
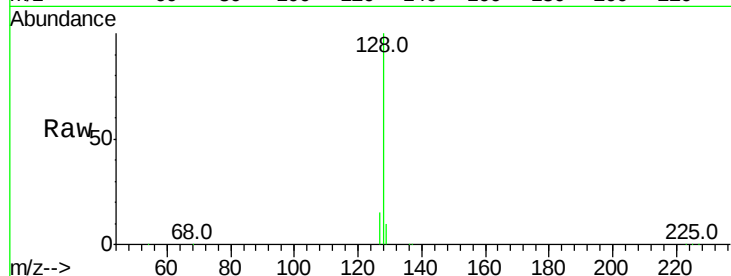
Tot Ion:128 Resp: 29904

Ion Ratio Lower Upper

128 100

129 9.9 11.4 17.0#

127 15.4 11.2 16.8



#10

Hexachlorobutadiene

Concen: 3.15 ng

RT: 10.87 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

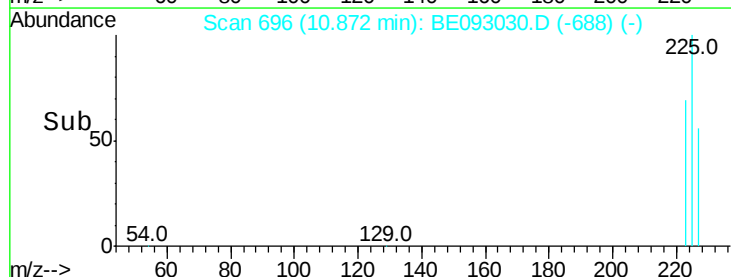
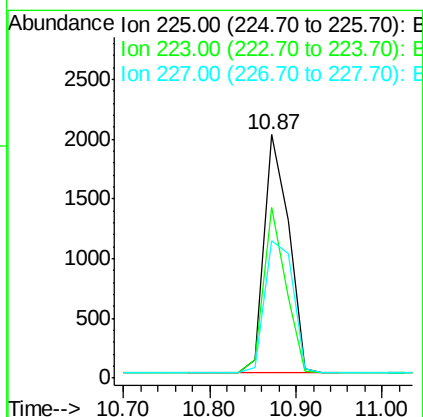
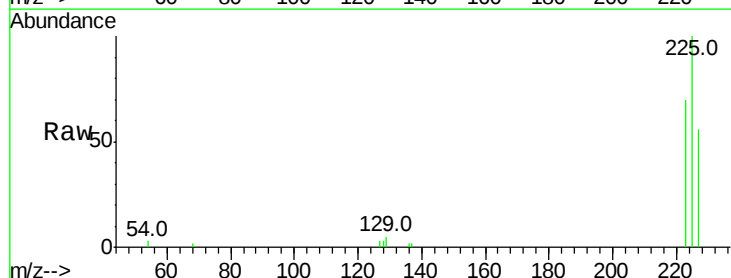
Tgt Ion:225 Resp: 3948

Ion Ratio Lower Upper

225 100

223 62.7 49.7 74.5

227 63.8 50.3 75.5

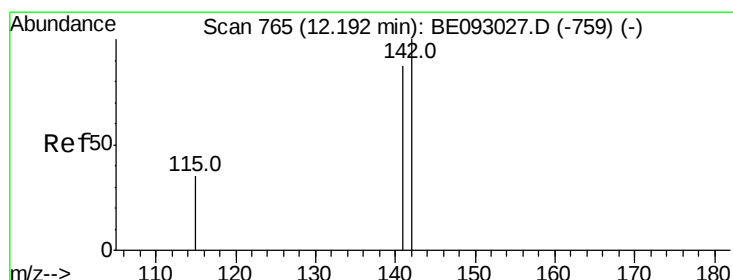
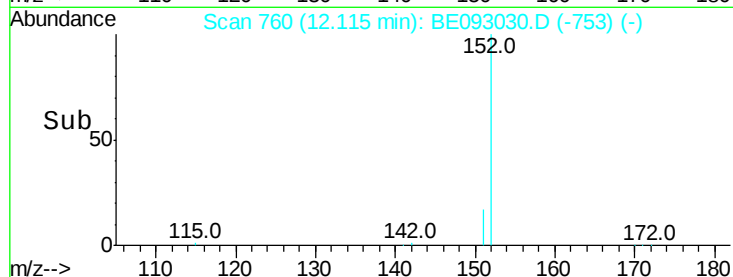
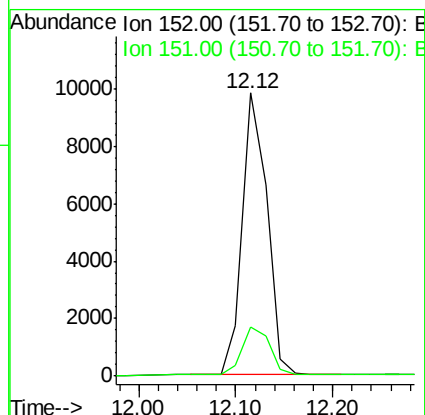
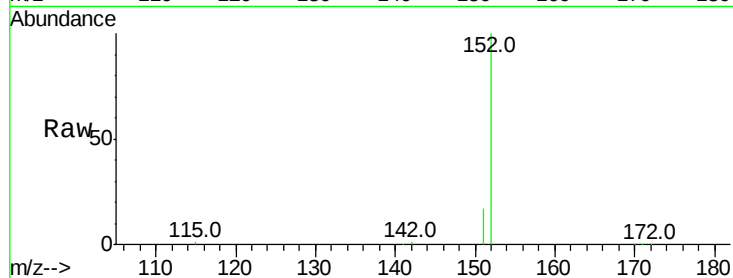




#11
 2-Methylnaphthalene-d10
 Concen: 3.29 ng
 RT: 12.12 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: BE093030.D
 Acq: 15 May 2017 12:14

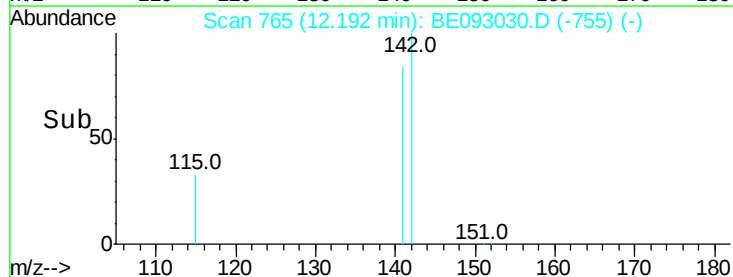
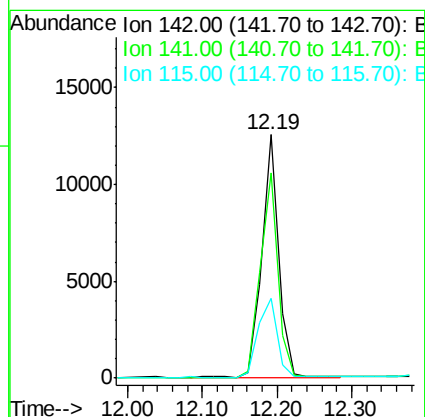
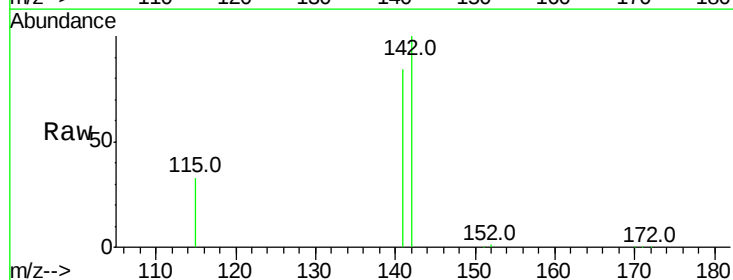
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tot Ion:152 Resp: 17326
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 3.32 ng
 RT: 12.19 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE093030.D
 Acq: 15 May 2017 12:14

Tgt Ion:142 Resp: 19467
 Ion Ratio Lower Upper
 142 100
 141 84.3 72.6 108.8
 115 32.9 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: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

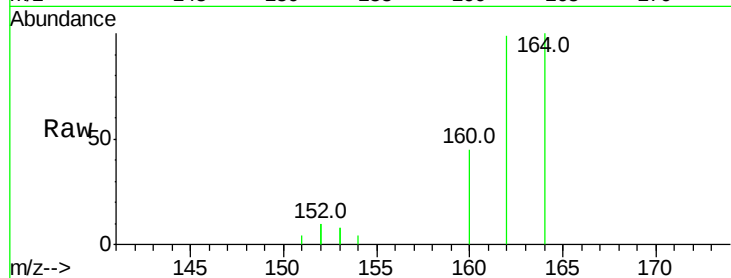
Tot Ion:164 Resp: 1847

Ion Ratio Lower Upper

164 100

162 99.3 84.6 127.0

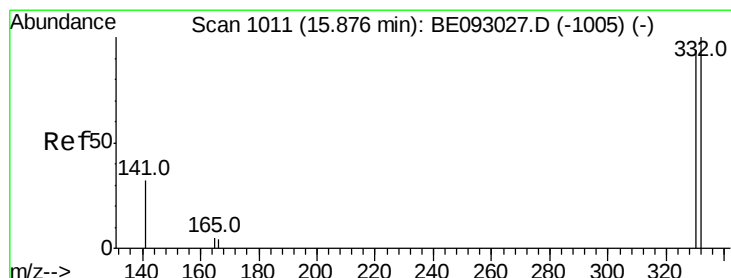
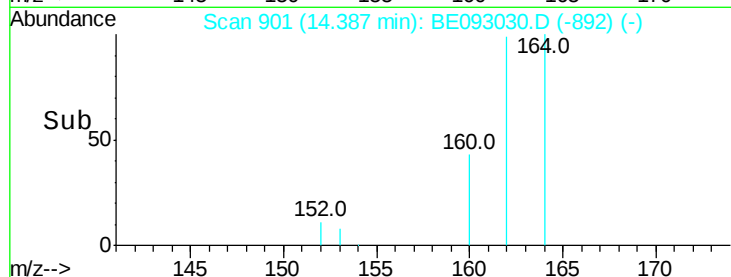
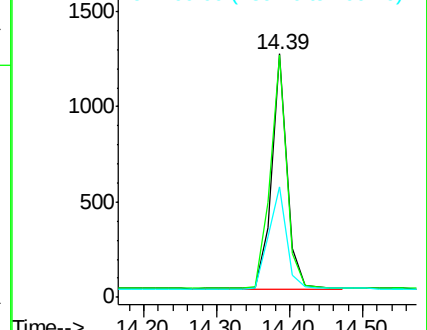
160 45.4 41.8 62.6



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: 3.82 ng

RT: 15.86 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

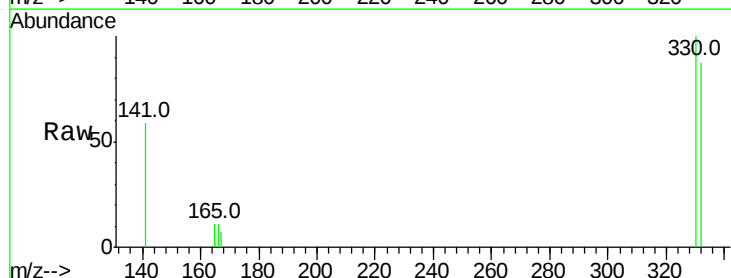
Tgt Ion:330 Resp: 2023

Ion Ratio Lower Upper

330 100

332 96.8 77.7 116.5

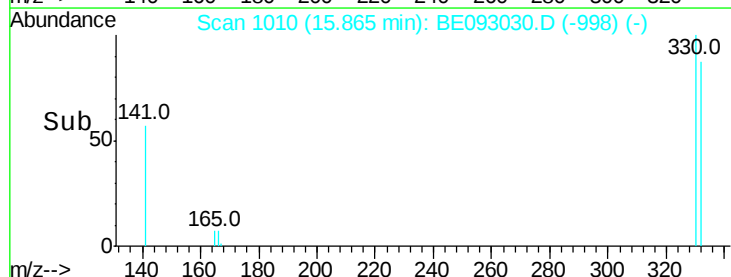
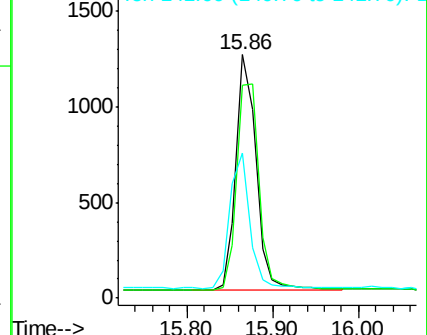
141 57.1 56.2 84.4

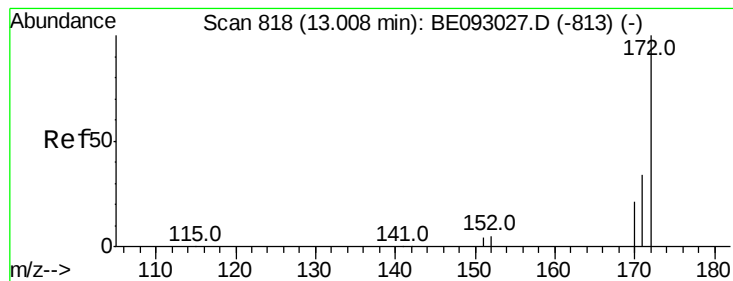


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

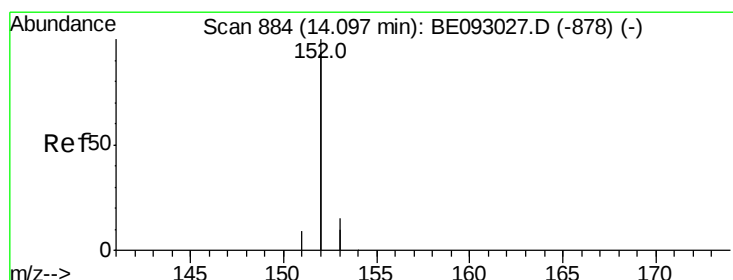
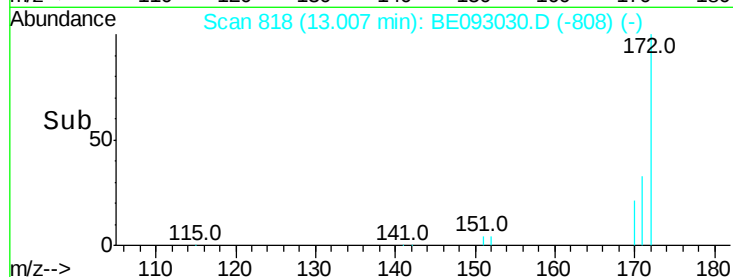
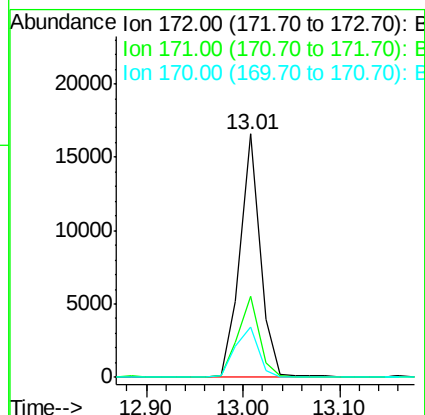
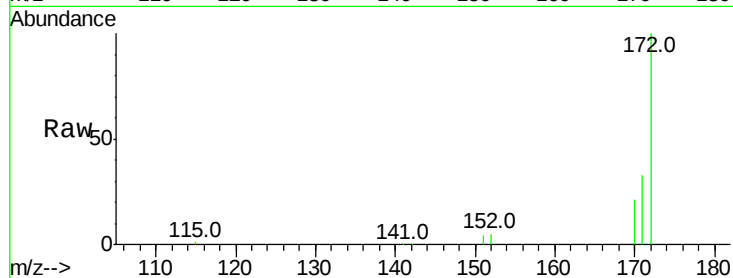




#15
2-Fluorobiphenyl
Concen: 3.15 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093030.D
Acq: 15 May 2017 12:14

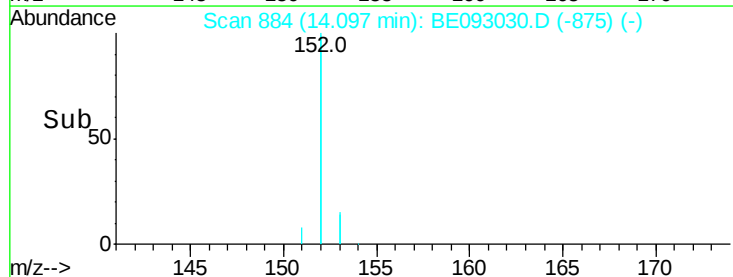
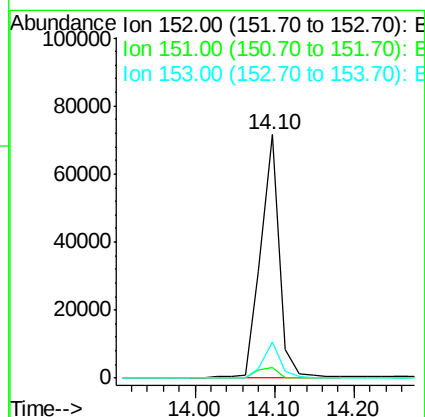
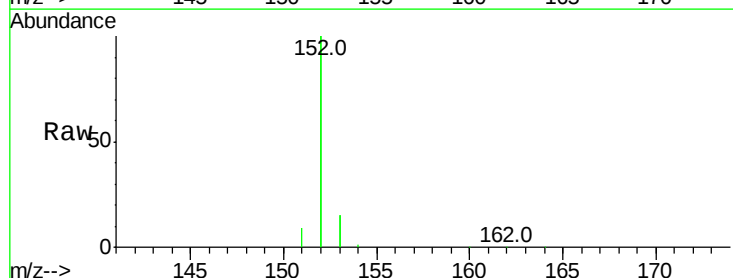
Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion:172 Resp: 24001
Ion Ratio Lower Upper
172 100
171 33.3 29.8 44.6
170 20.7 20.7 31.1



#16
Acenaphthylene
Concen: 3.71 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093030.D
Acq: 15 May 2017 12:14

Tgt Ion:152 Resp: 117105
Ion Ratio Lower Upper
152 100
151 4.9 4.0 6.0
153 13.2 10.3 15.5





#17

Acenaphthene

Concen: 3.18 ng

RT: 14.44 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

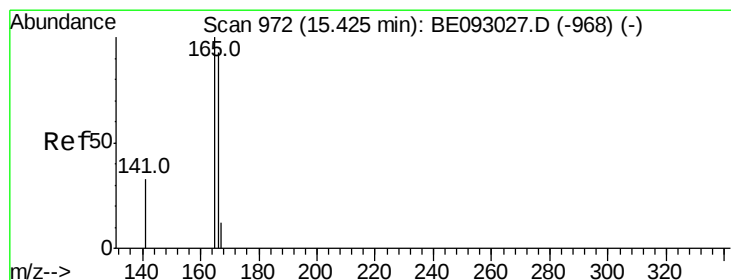
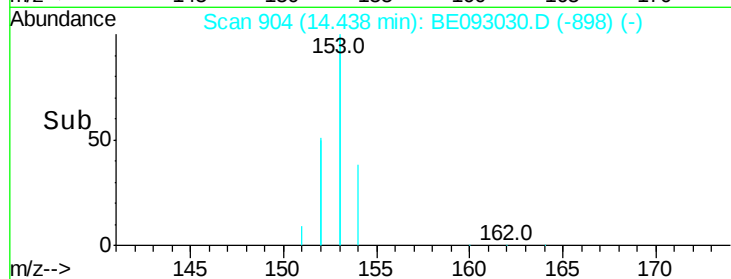
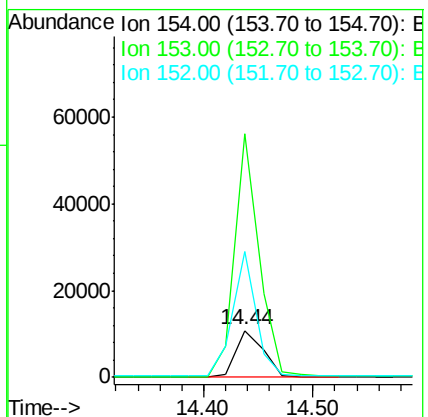
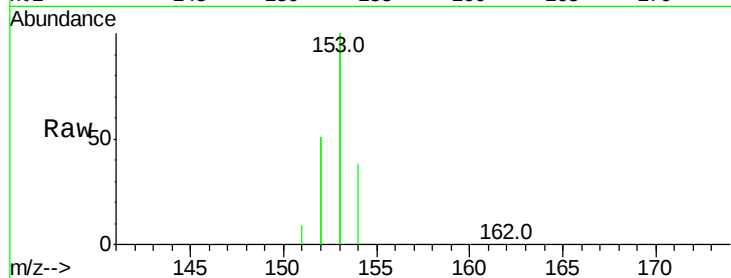
Tot Ion:154 Resp: 18548

Ion Ratio Lower Upper

154 100

153 462.0 367.8 551.6

152 229.7 188.2 282.2



#18

Fluorene

Concen: 3.32 ng

RT: 15.42 min Scan# 972

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

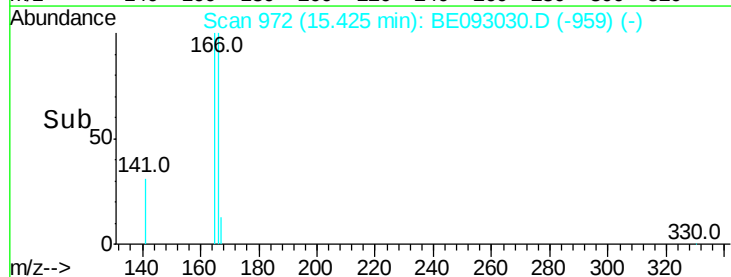
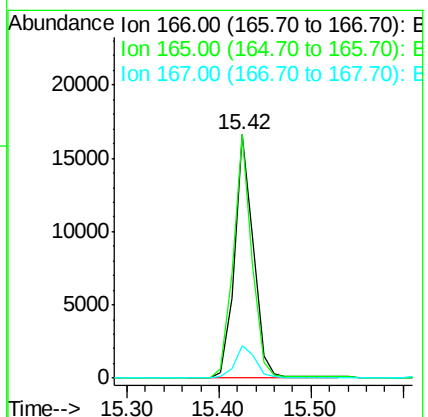
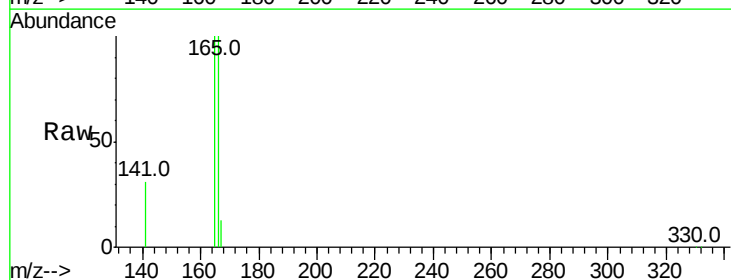
Tgt Ion:166 Resp: 23563

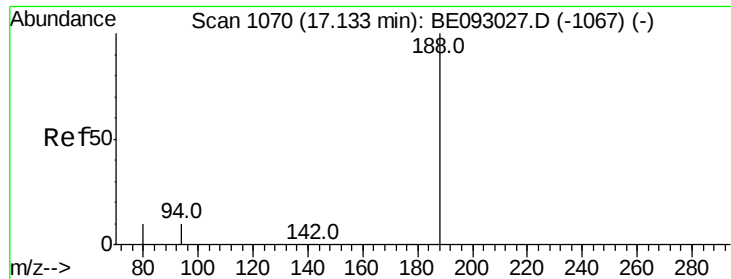
Ion Ratio Lower Upper

166 100

165 98.5 78.6 117.8

167 13.9 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: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

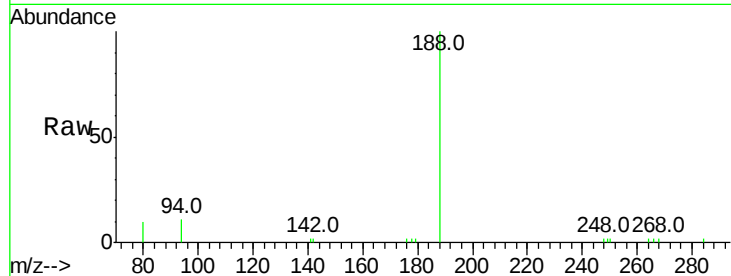
Tot Ion:188 Resp: 5198

Ion Ratio Lower Upper

188 100

94 10.6 11.3 16.9#

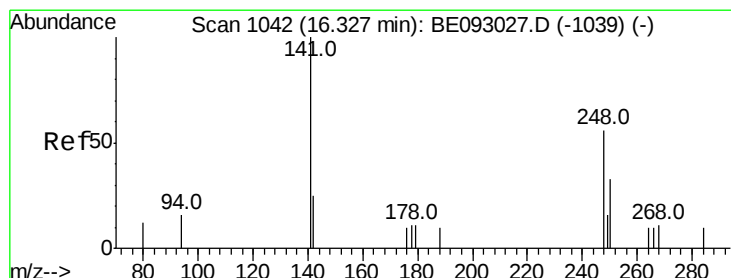
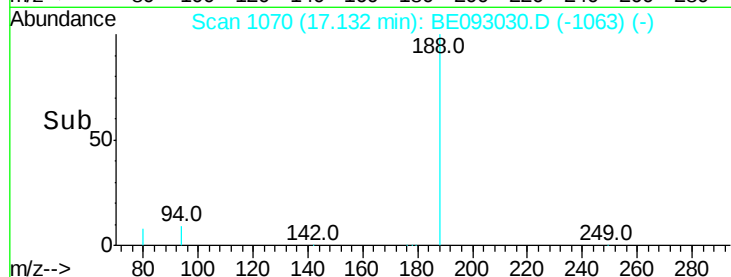
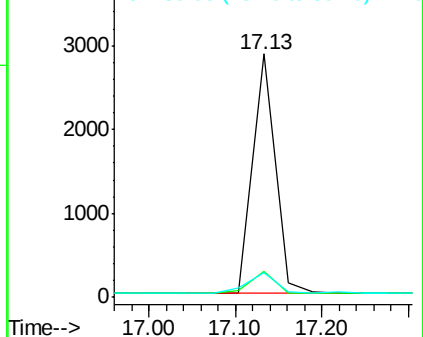
80 10.3 11.7 17.5#



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: 2.98 ng

RT: 16.33 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

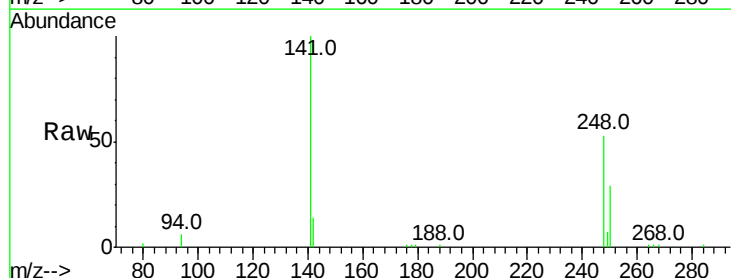
Tgt Ion:248 Resp: 4865

Ion Ratio Lower Upper

248 100

250 55.8 100.0 150.0#

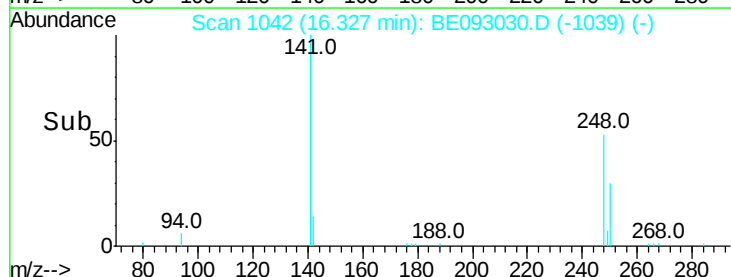
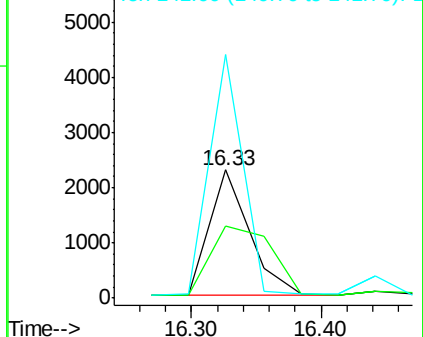
141 189.7 40.0 60.0#



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: 2.51 ng

RT: 16.47 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

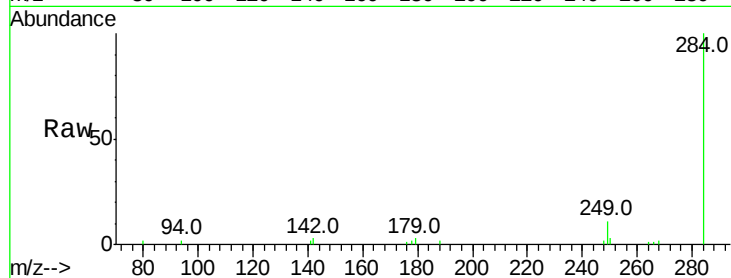
Tot Ion:284 Resp: 5860

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

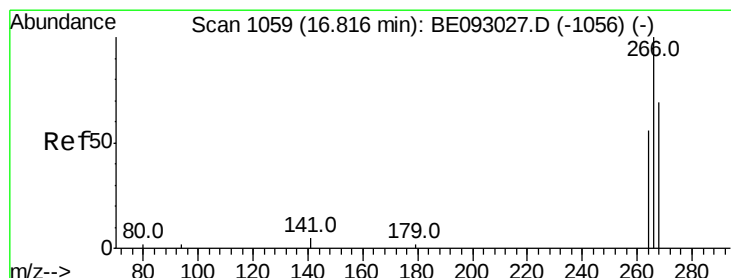
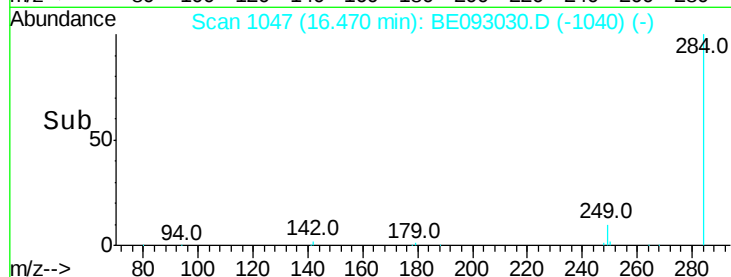
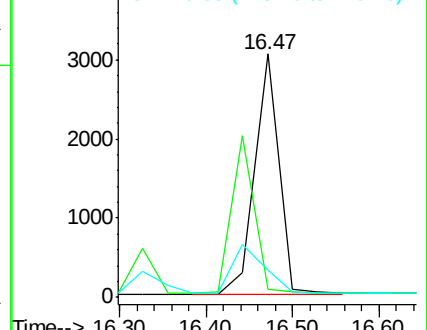
249 0.0 0.0 0.0



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: 1.66 ng

RT: 16.82 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

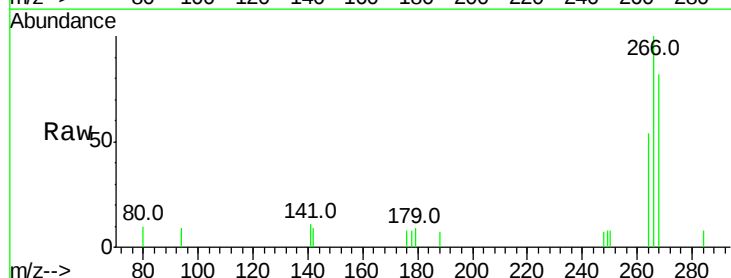
Tgt Ion:266 Resp: 1875

Ion Ratio Lower Upper

266 100

264 54.4 58.2 87.2#

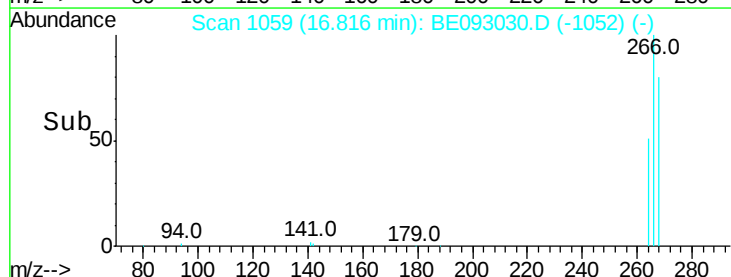
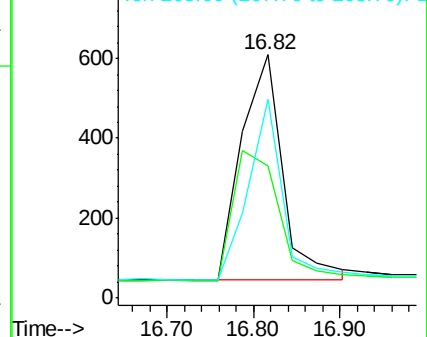
268 81.8 71.9 107.9

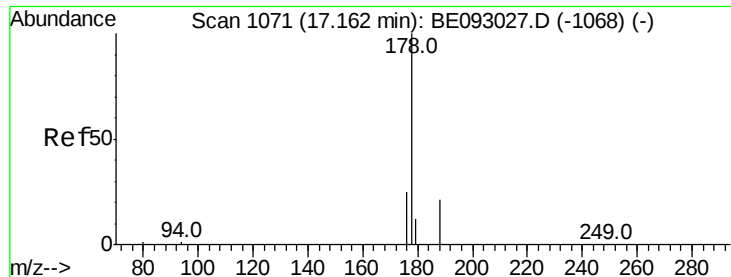


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 2.50 ng

RT: 17.16 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

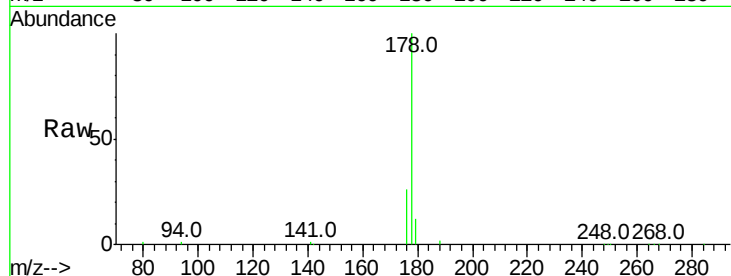
Tot Ion:178 Resp: 29243

Ion Ratio Lower Upper

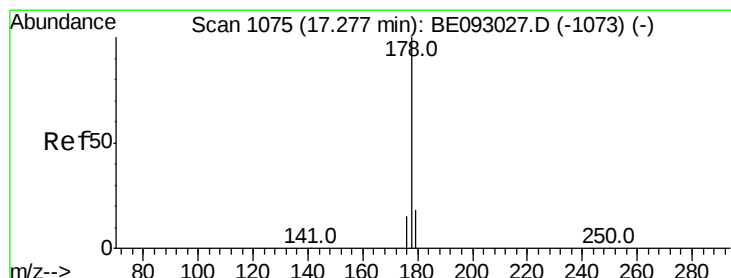
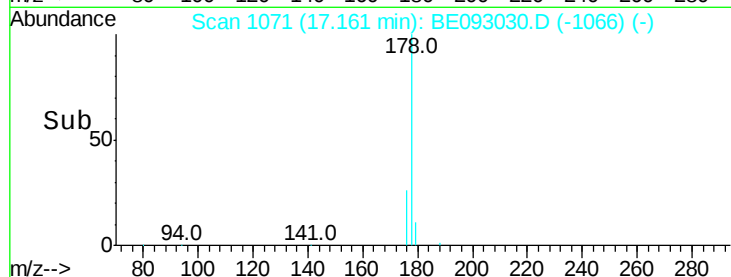
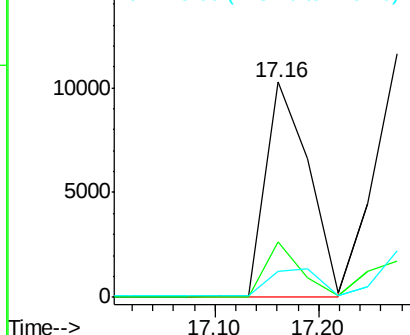
178 100

176 21.0 15.0 22.4

179 0.0 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: 2.58 ng

RT: 17.28 min Scan# 1075

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

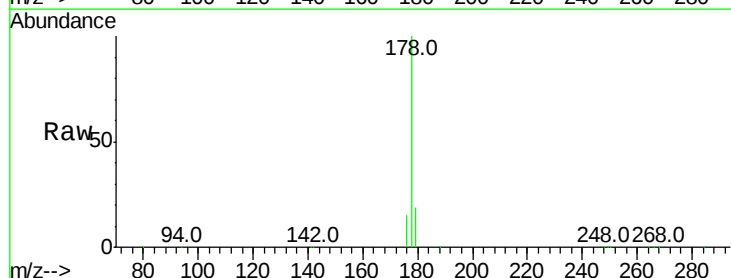
Tgt Ion:178 Resp: 28236

Ion Ratio Lower Upper

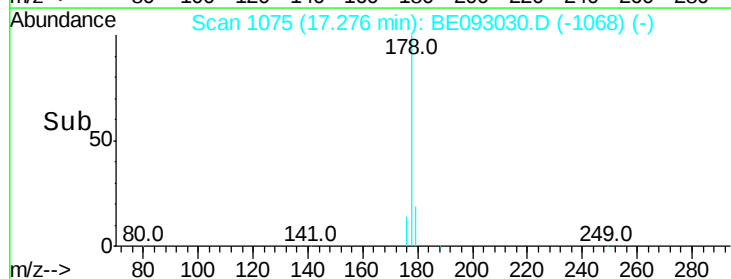
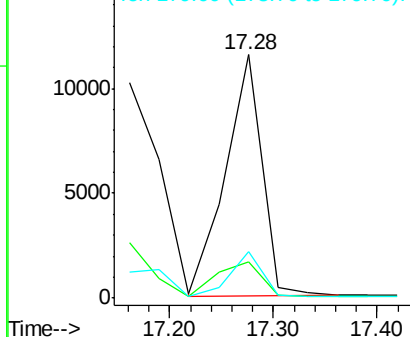
178 100

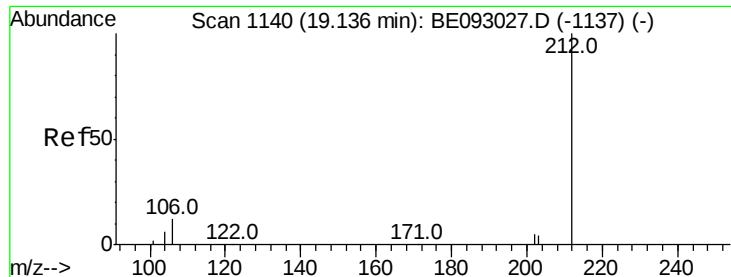
176 17.7 14.6 22.0

179 16.6 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: 2.84 ng

RT: 19.14 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

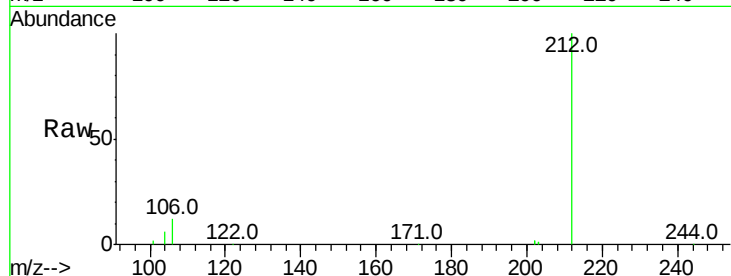
Tot Ion:212 Resp: 39549

Ion Ratio Lower Upper

212 100

106 15.3 0.0 0.0#

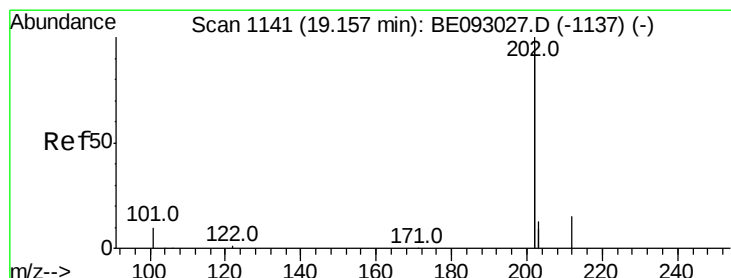
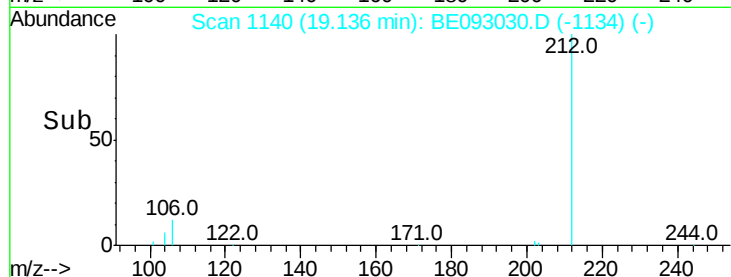
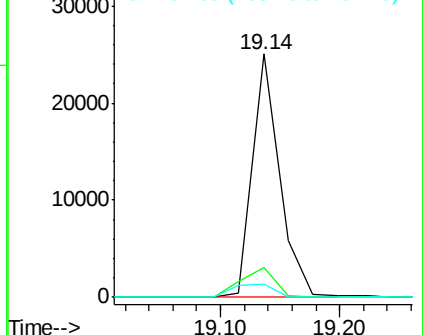
104 8.4 0.0 0.0#



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: 2.91 ng

RT: 19.16 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

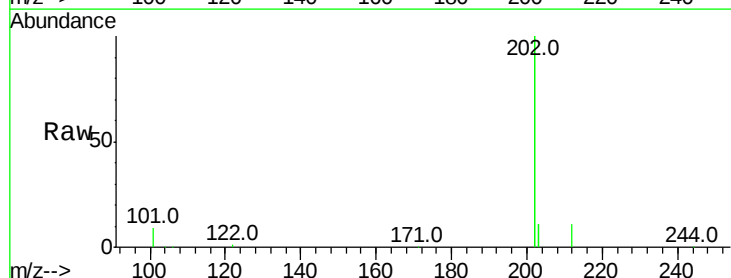
Tgt Ion:202 Resp: 189127

Ion Ratio Lower Upper

202 100

101 3.4 0.0 0.0#

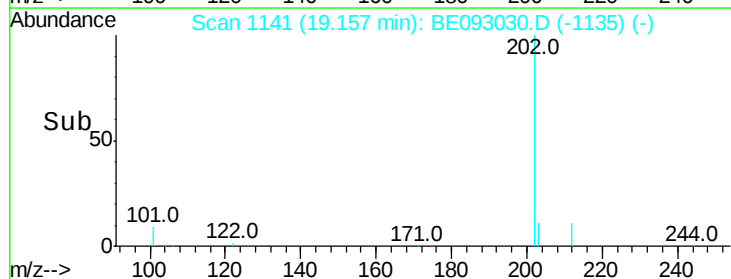
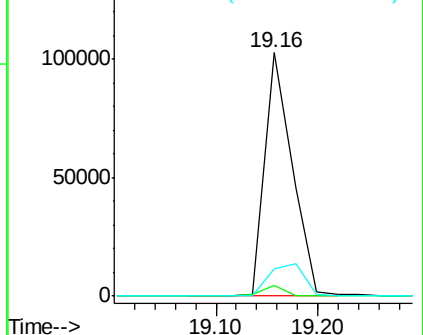
203 0.0 14.4 21.6#

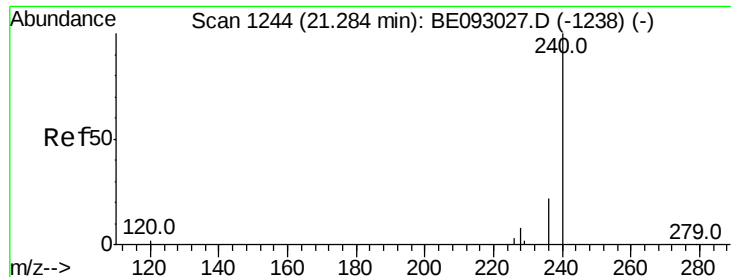


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1244

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

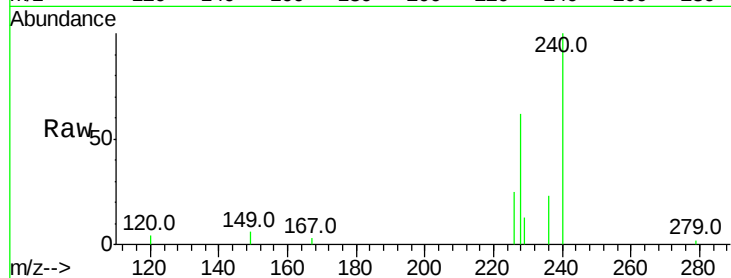
Tot Ion:240 Resp: 4661

Ion Ratio Lower Upper

240 100

120 4.1 4.6 7.0#

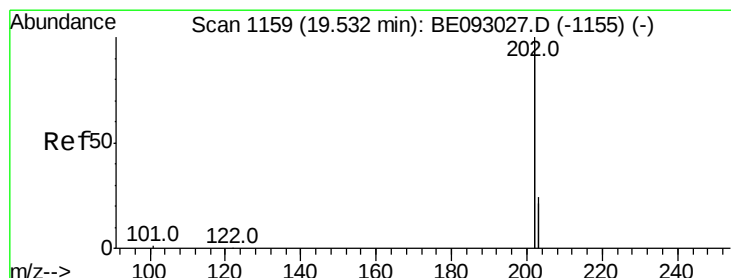
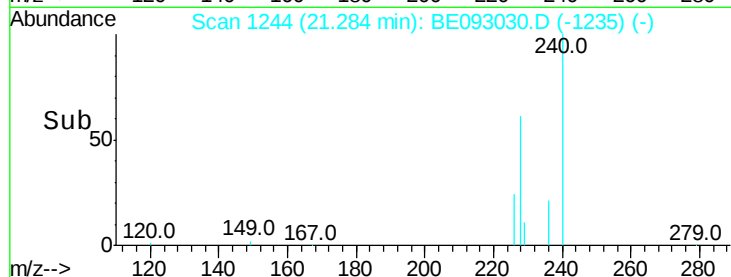
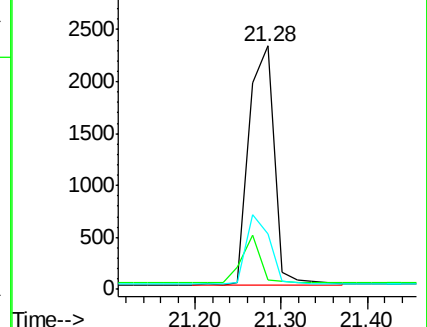
236 22.7 20.8 31.2



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: 3.29 ng

RT: 19.53 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

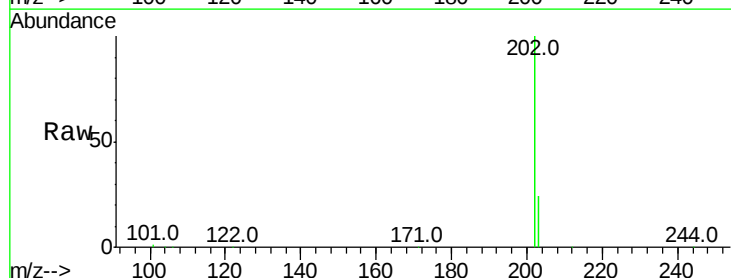
Tgt Ion:202 Resp: 183773

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

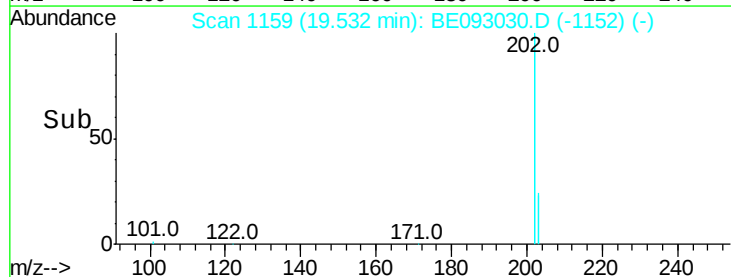
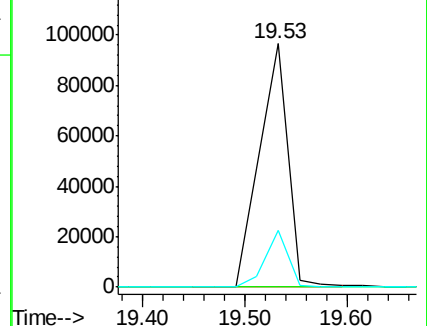
203 18.9 13.7 20.5

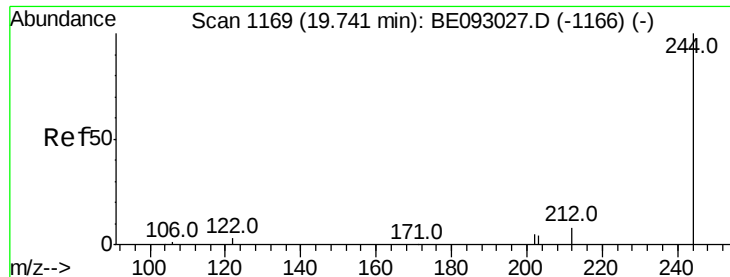


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.48 ng

RT: 19.74 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

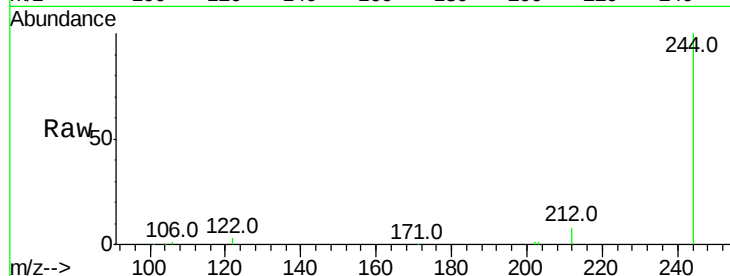
Tot Ion:244 Resp: 29836

Ion Ratio Lower Upper

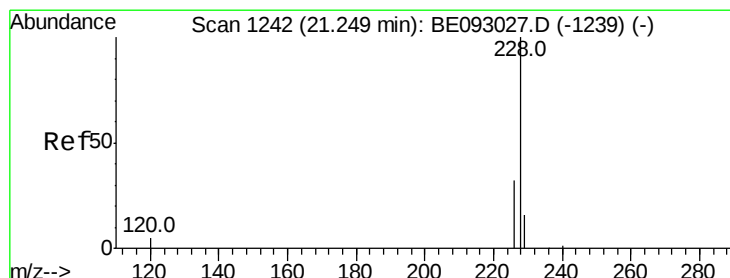
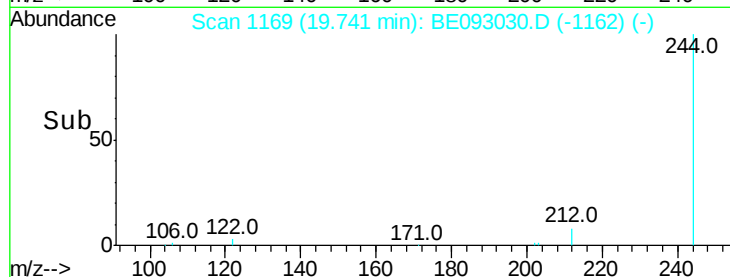
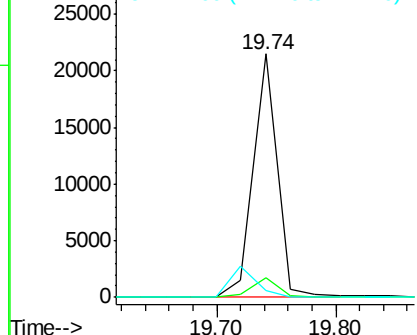
244 100

212 8.1 10.6 16.0#

122 2.8 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: 3.51 ng

RT: 21.25 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

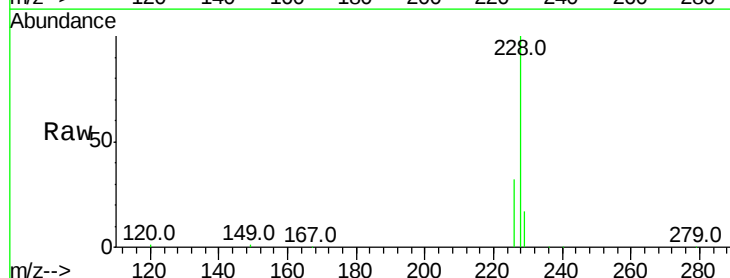
Tgt Ion:228 Resp: 43788

Ion Ratio Lower Upper

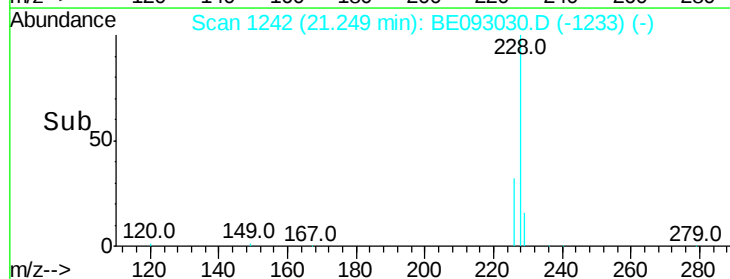
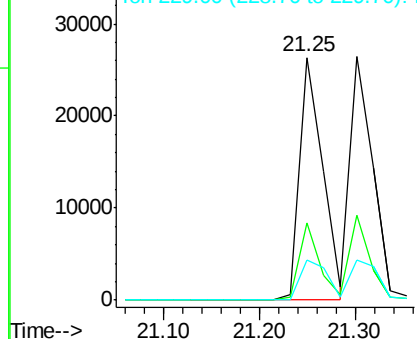
228 100

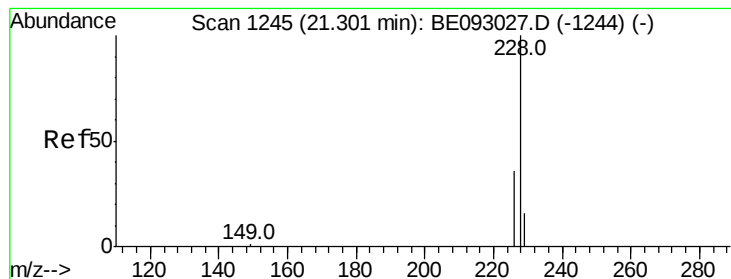
226 32.1 19.7 29.5#

229 16.5 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: 3.25 ng

RT: 21.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

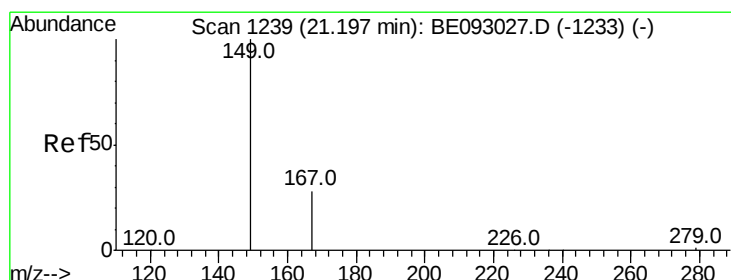
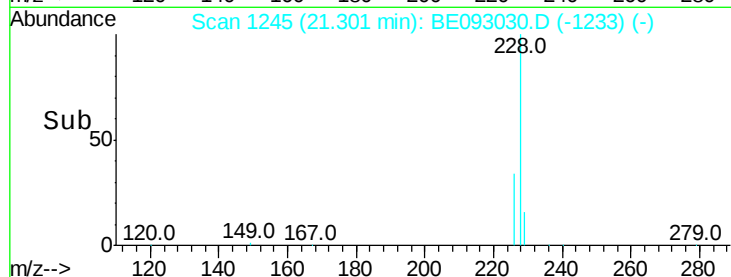
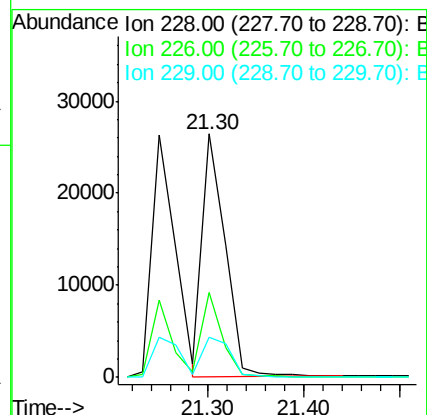
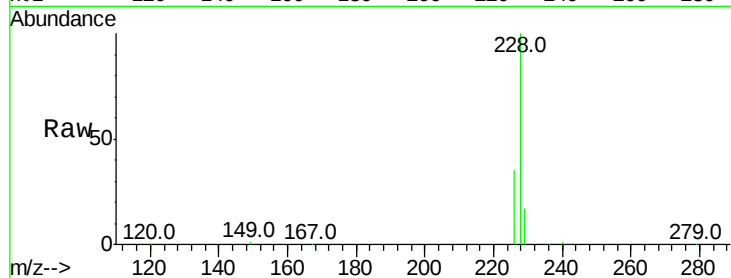
Tot Ion:228 Resp: 43890

Ion Ratio Lower Upper

228 100

226 34.6 21.5 32.3#

229 16.5 18.6 28.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 3.29 ng

RT: 21.20 min Scan# 1239

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

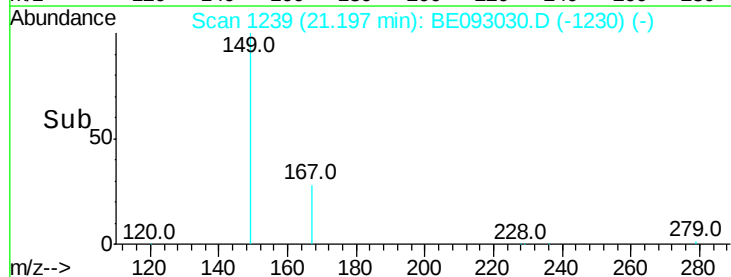
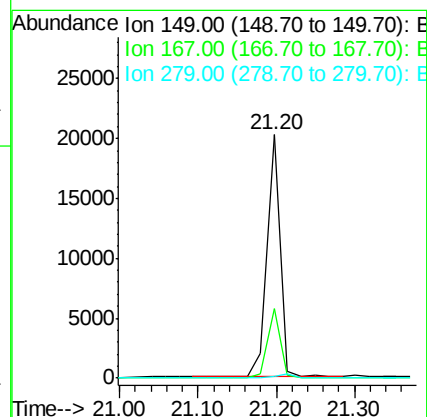
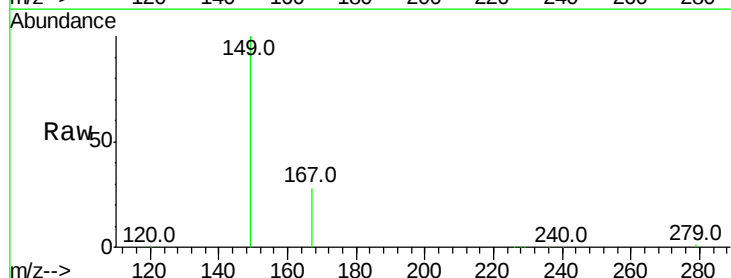
Tgt Ion:149 Resp: 23919

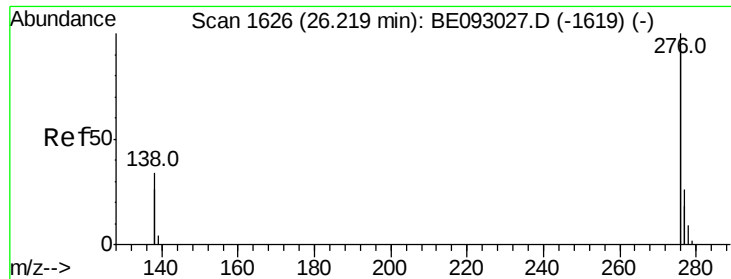
Ion Ratio Lower Upper

149 100

167 27.2 20.1 30.1

279 2.2 2.2 3.4#





#33

Indeno(1,2,3-cd)pyrene

Concen: 3.24 ng

RT: 26.22 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

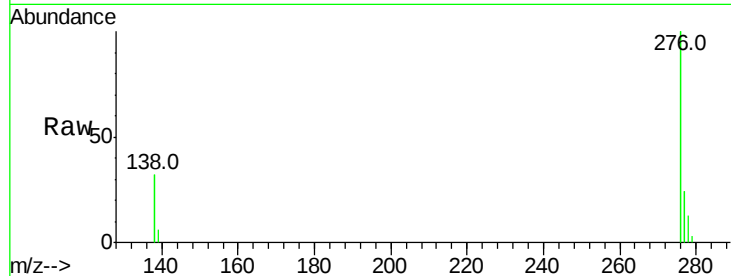
Tot Ion:276 Resp: 160258

Ion Ratio Lower Upper

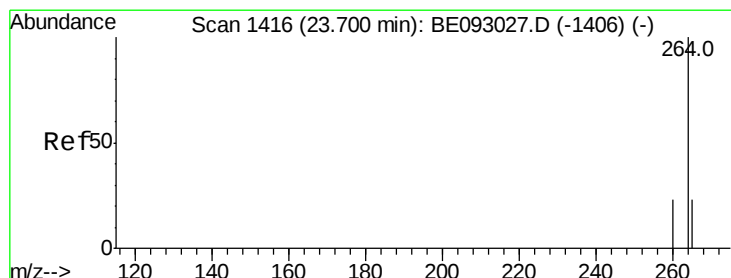
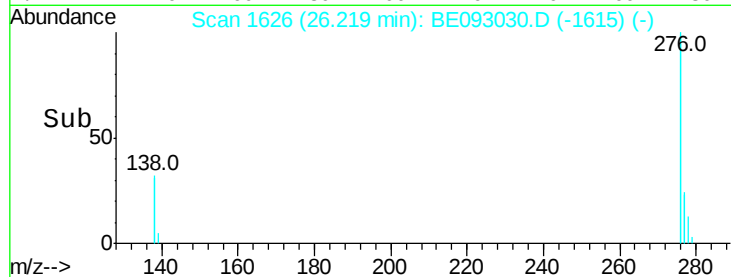
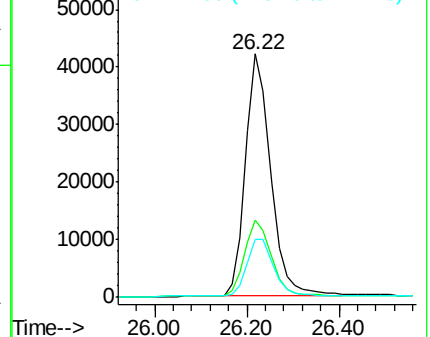
276 100

138 33.3 27.4 41.2

277 25.1 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: BE093030.D

Acq: 15 May 2017 12:14

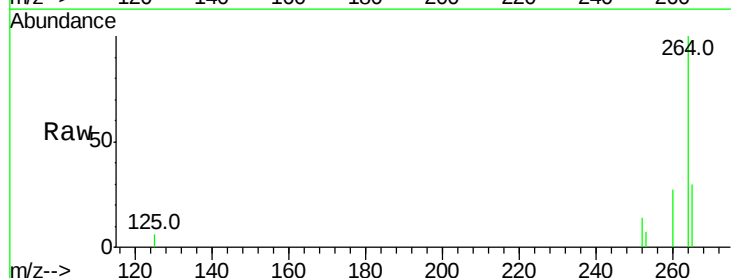
Tgt Ion:264 Resp: 3674

Ion Ratio Lower Upper

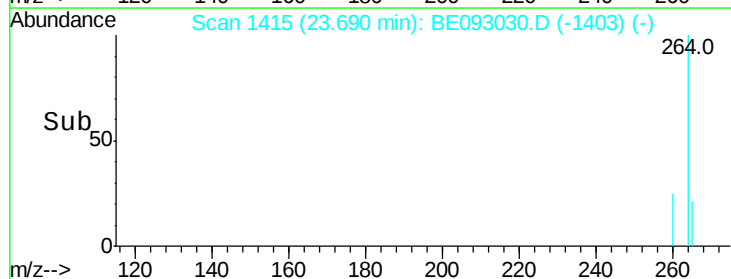
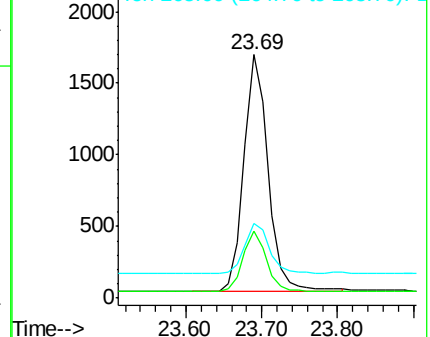
264 100

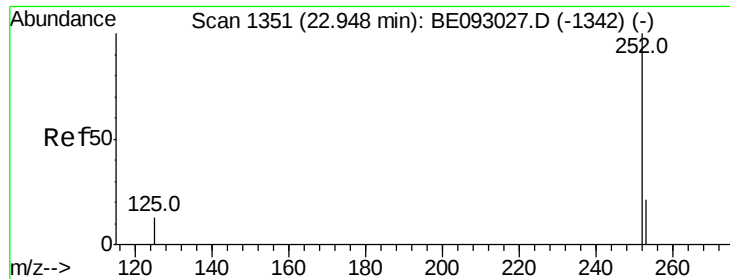
260 27.3 21.0 31.4

265 30.5 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: 3.57 ng

RT: 22.95 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

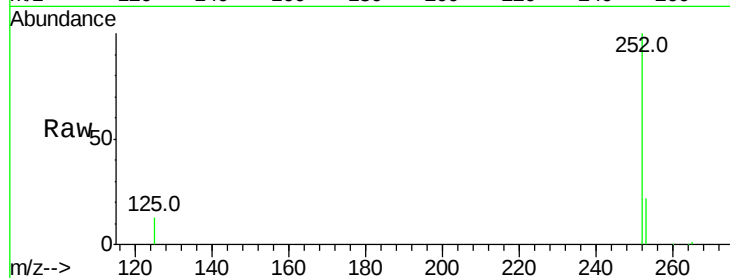
Tot Ion:252 Resp: 40661

Ion Ratio Lower Upper

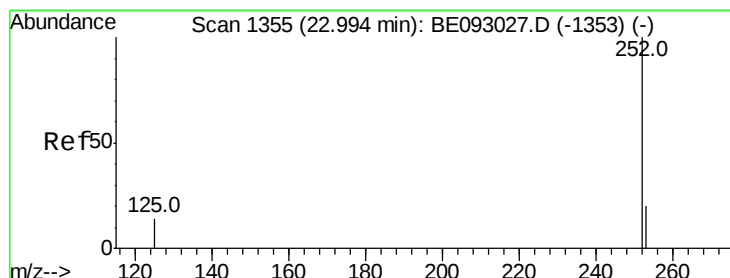
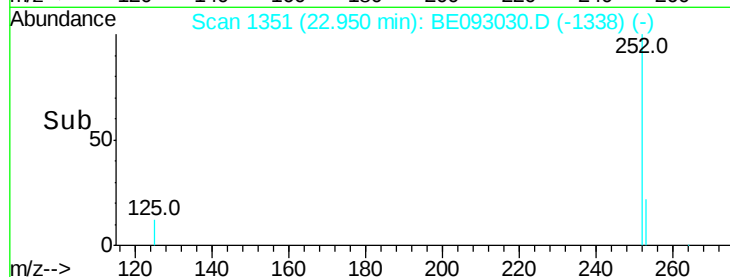
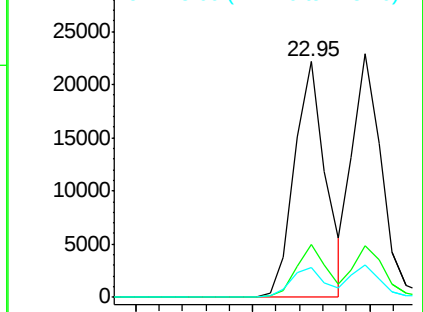
252 100

253 22.2 18.5 27.7

125 12.6 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: 3.35 ng

RT: 23.00 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

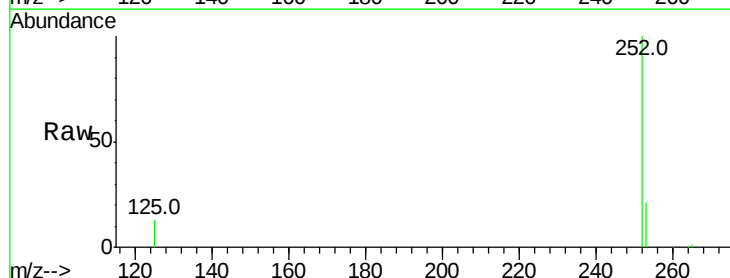
Tgt Ion:252 Resp: 38683

Ion Ratio Lower Upper

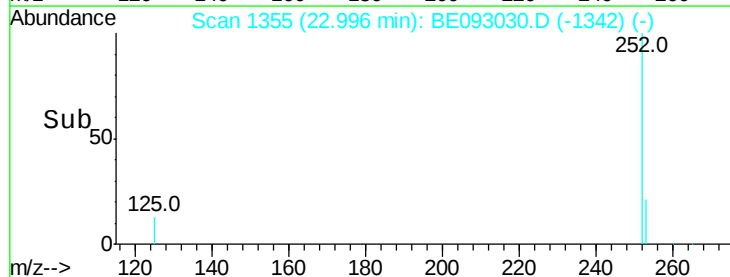
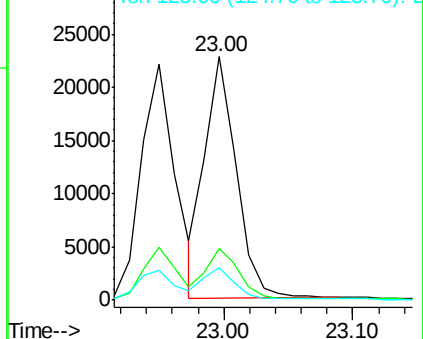
252 100

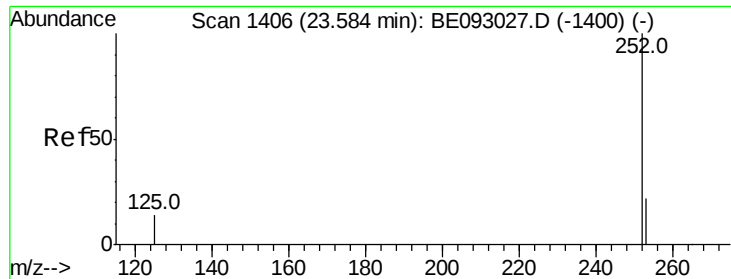
253 21.4 20.3 30.5

125 13.1 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: 3.42 ng

RT: 23.57 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

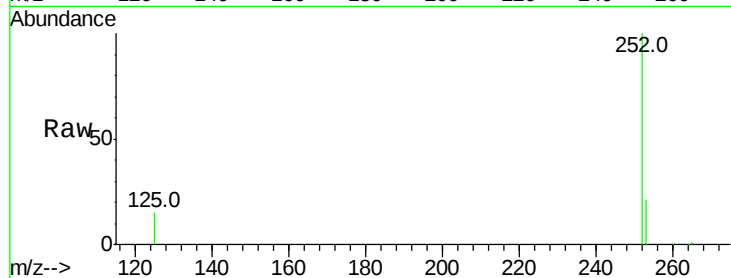
Tot Ion:252 Resp: 35976

Ion Ratio Lower Upper

252 100

253 21.2 19.9 29.9

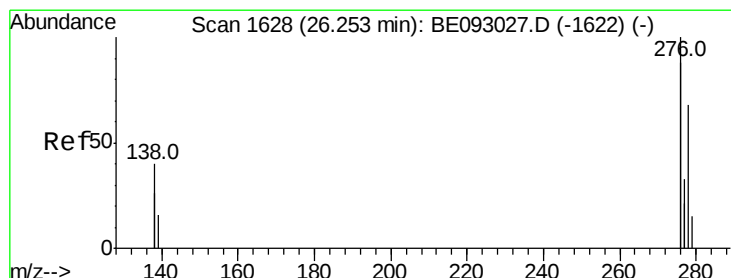
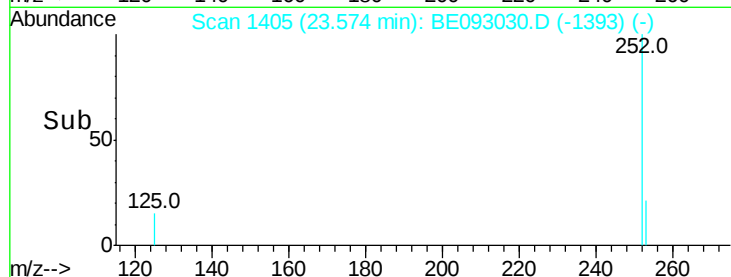
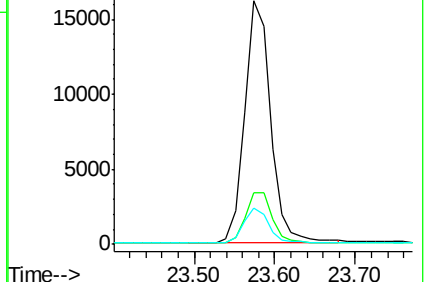
125 15.1 14.6 21.8



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: 3.54 ng

RT: 26.25 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

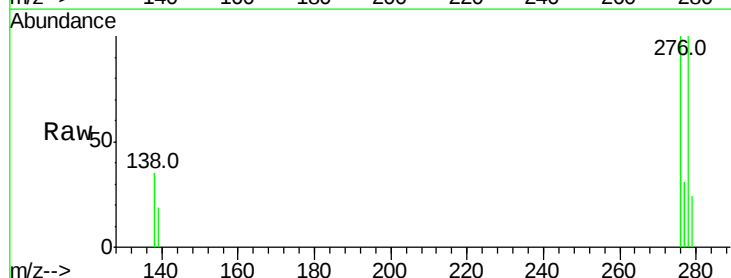
Tgt Ion:278 Resp: 34327

Ion Ratio Lower Upper

278 100

139 19.0 21.4 32.0#

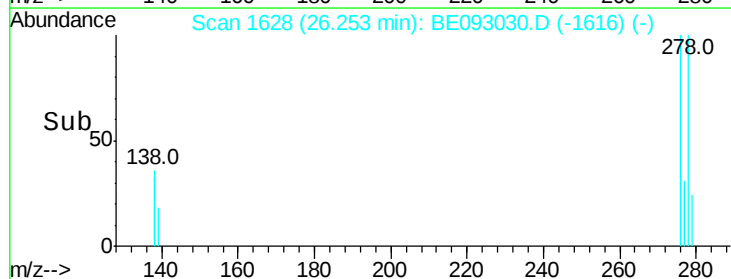
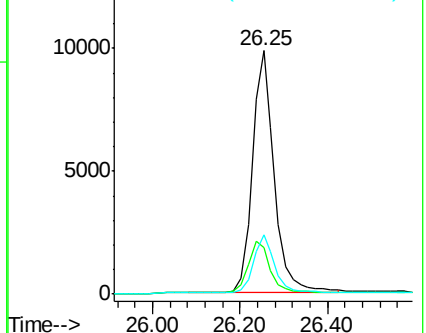
279 24.4 22.2 33.2

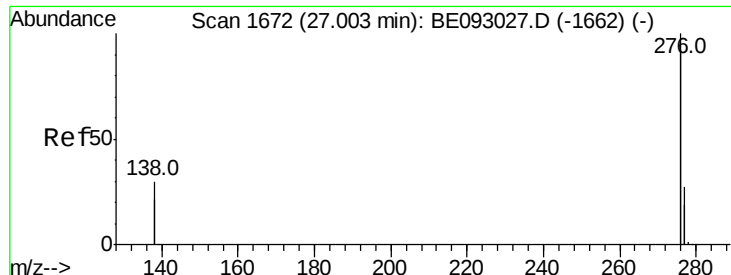


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.35 ng

RT: 27.00 min Scan# 1672

Delta R.T. -0.00 min

Lab File: BE093030.D

Acq: 15 May 2017 12:14

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

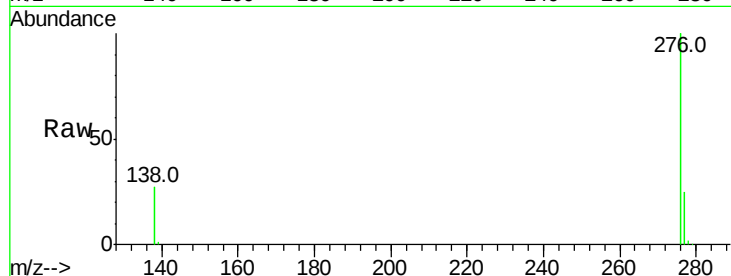
Tot Ion:276 Resp: 143007

Ion Ratio Lower Upper

276 100

277 25.2 21.2 31.8

138 27.0 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

