

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
 Data File : BE093903.D
 Acq On : 1 Sep 2017 15:43
 Operator : SJ/JU
 Sample : PB101940BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB101940BS

Quant Time: Sep 02 01:19:13 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 01 16:31:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1761	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	7856	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	4113	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	9471	0.40	ng	0.00
27) Chrysene-d12	21.42	240	13966	0.40	ng	0.00
34) Perylene-d12	23.93	264	12044	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	1992	0.37	ng	0.00
5) Phenol-d6	7.10	99	2614	0.32	ng	0.01
8) Nitrobenzene-d5	9.06	82	2397	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	4434	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	401	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	5427	0.33	ng	0.00
25) Fluoranthene-d10	19.27	212	50887	0.47	ng	0.00
29) Terphenyl-d14	19.87	244	10890	0.43	ng	0.00

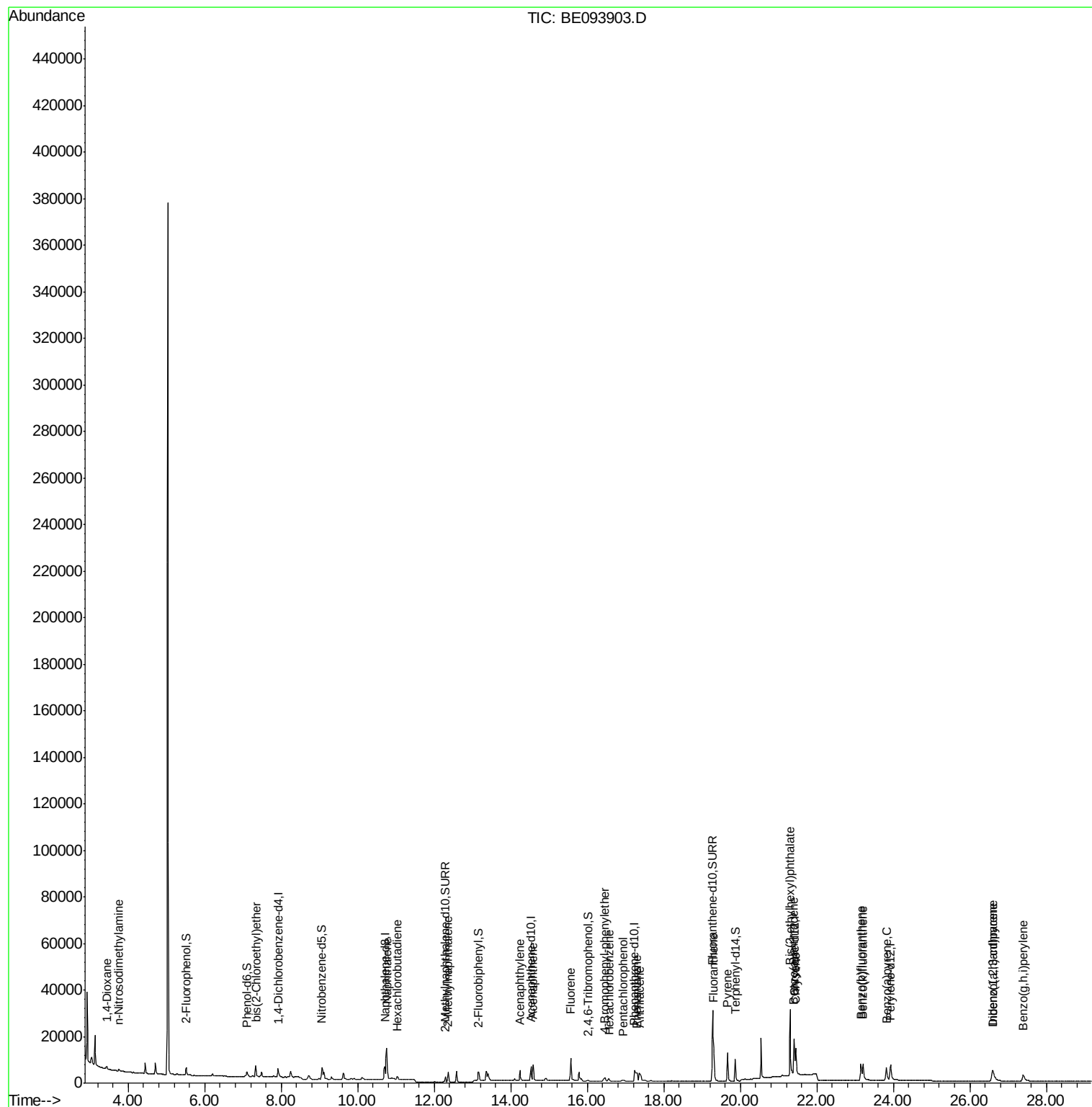
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	884	0.365	ng	# 18
3) n-Nitrosodimethylamine	3.74	42	983	0.365	ng	96
6) bis(2-Chloroethyl)ether	7.34	93	1919	0.301	ng	96
9) Naphthalene	10.76	128	25874	0.289	ng	100
10) Hexachlorobutadiene	11.04	225	1012	0.320	ng	99
12) 2-Methylnaphthalene	12.36	142	4209	0.282	ng	96
16) Acenaphthylene	14.24	152	6080	0.299	ng	99
17) Acenaphthene	14.58	154	4012	0.292	ng	98
18) Fluorene	15.56	166	5447	0.307	ng	100
20) 4-Bromophenyl-phenylether	16.45	248	1373	0.365	ng	88
21) Hexachlorobenzene	16.58	284	1080	0.312	ng	# 100
22) Pentachlorophenol	16.94	266	591	0.398	ng	98
23) Phenanthrene	17.30	178	7541	0.313	ng	# 99
24) Anthracene	17.36	178	8707	0.303	ng	# 98
26) Fluoranthene	19.30	202	12775	0.387	ng	100
28) Pyrene	19.67	202	13371	0.285	ng	99
30) Benzo(a)anthracene	21.39	228	12422	0.299	ng	97
31) Chrysene	21.45	228	13141	0.285	ng	99
32) Bis(2-ethylhexyl)phthalate	21.30	149	34296	0.392	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.59	276	10462	0.333	ng	97
35) Benzo(b)fluoranthene	23.15	252	10836	0.282	ng	97
36) Benzo(k)fluoranthene	23.21	252	13525	0.308	ng	95
37) Benzo(a)pyrene	23.82	252	11526	0.302	ng	96
38) Dibenzo(a,h)anthracene	26.61	278	8174	0.303	ng	# 93
39) Benzo(g,h,i)perylene	27.39	276	9342	0.318	ng	96

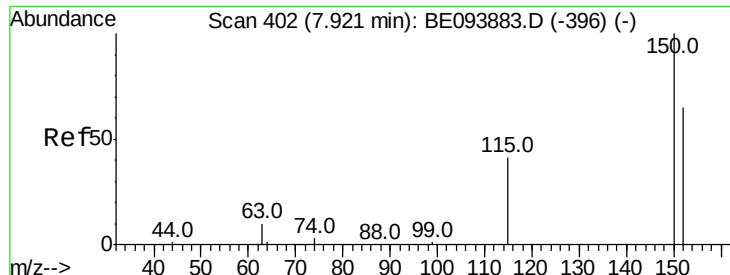
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

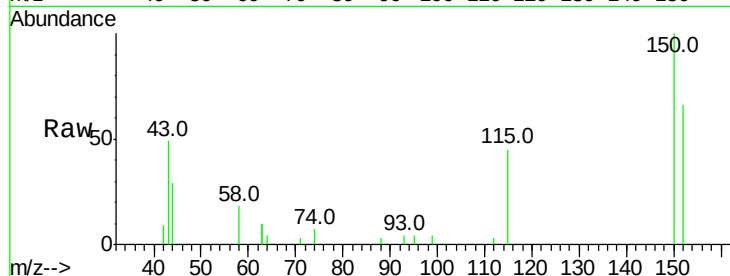
Tot Ion:152 Resp: 1761

Ion Ratio Lower Upper

152 100

150 151.2 121.8 182.6

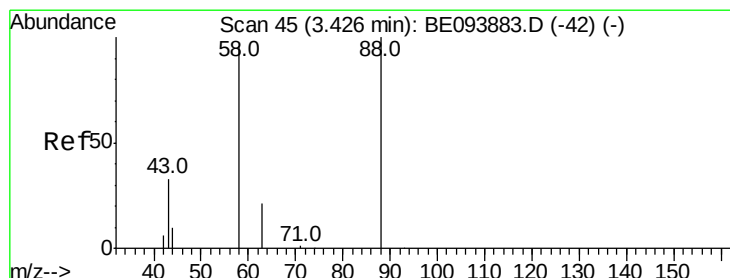
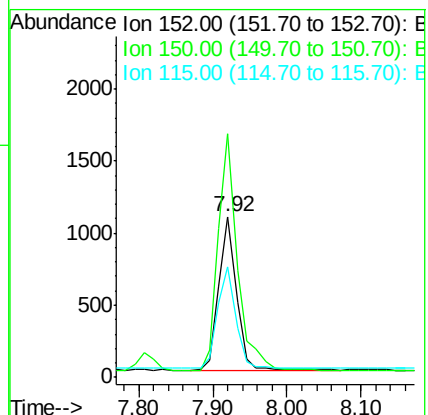
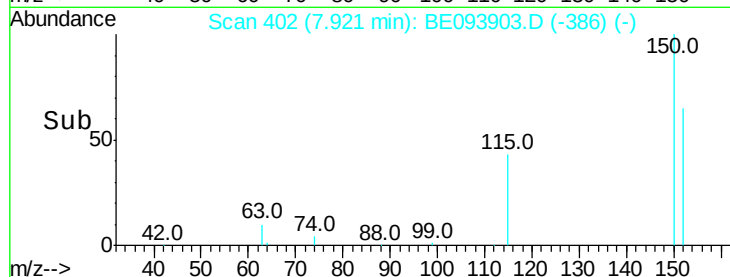
115 68.8 52.6 79.0



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: 0.365 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

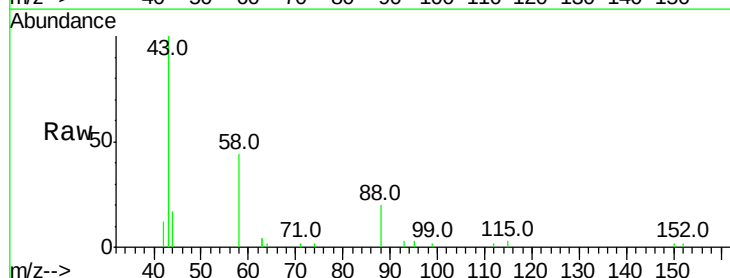
Tgt Ion: 88 Resp: 884

Ion Ratio Lower Upper

88 100

58 164.0 65.4 98.0#

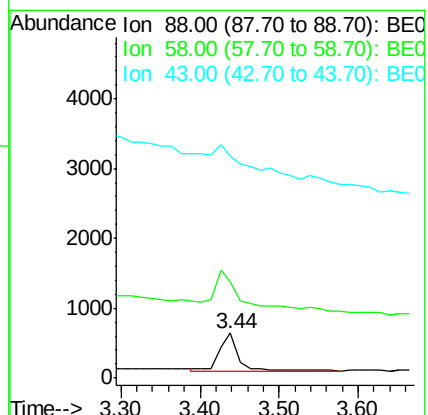
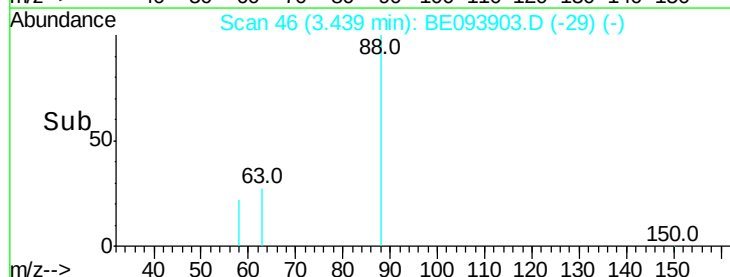
43 0.0 23.9 35.9#

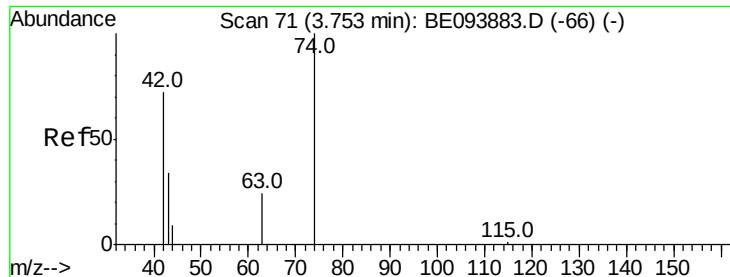


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.365 ng

RT: 3.74 min Scan# 70

Delta R.T. -0.01 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

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PB101940BS

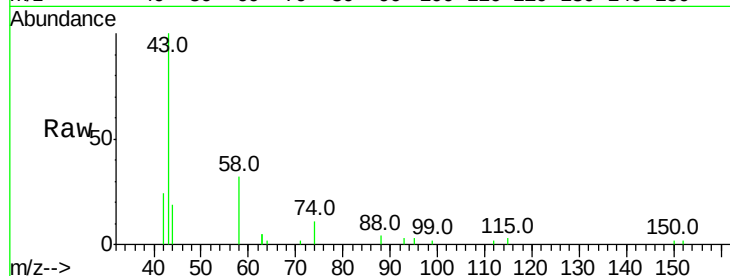
Tot Ion: 42 Resp: 983

Ion Ratio Lower Upper

42 100

74 124.7 104.0 156.0

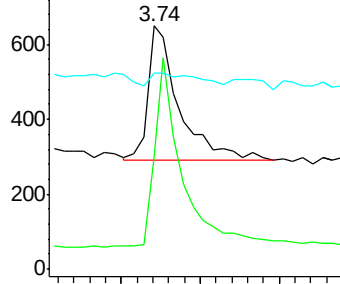
44 15.5 13.8 20.8



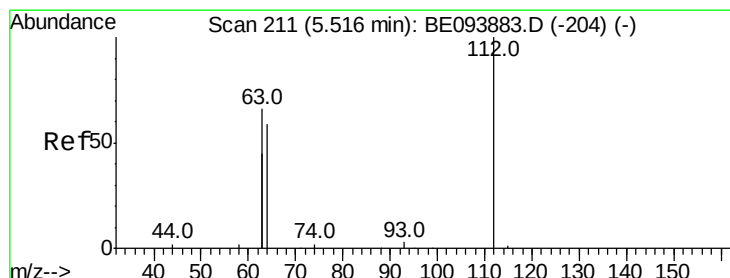
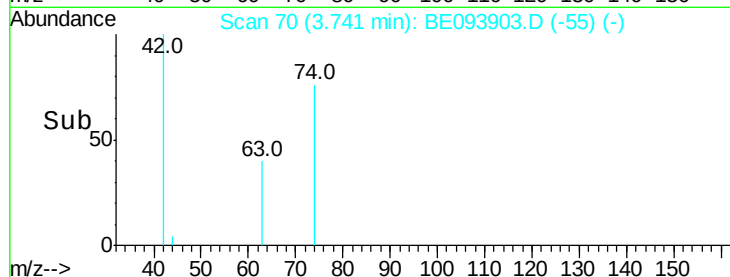
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.368 ng

RT: 5.52 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

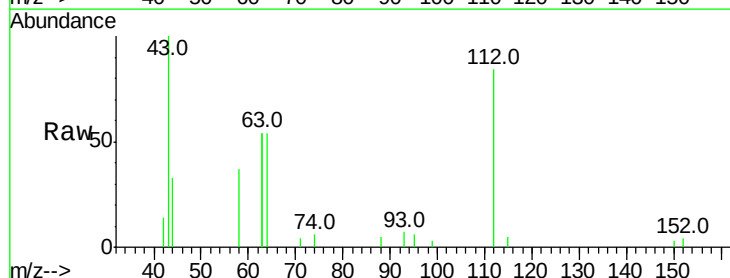
Tgt Ion: 112 Resp: 1992

Ion Ratio Lower Upper

112 100

64 71.5 57.7 86.5

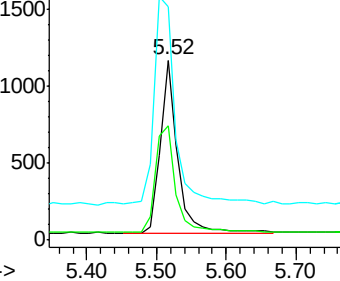
63 147.1 116.0 174.0



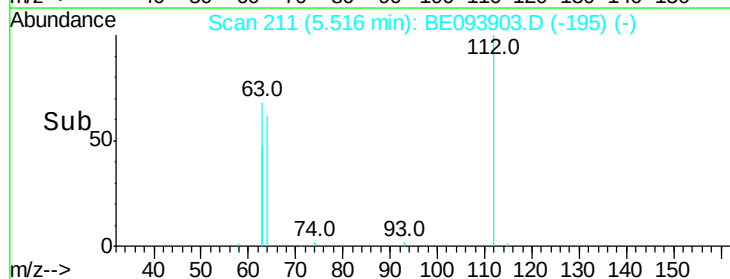
Abundance Ion 112.00 (111.70 to 112.70): E

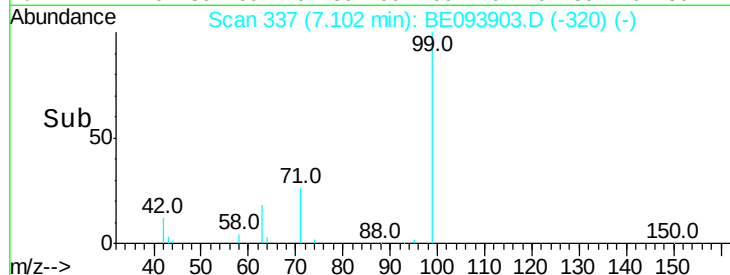
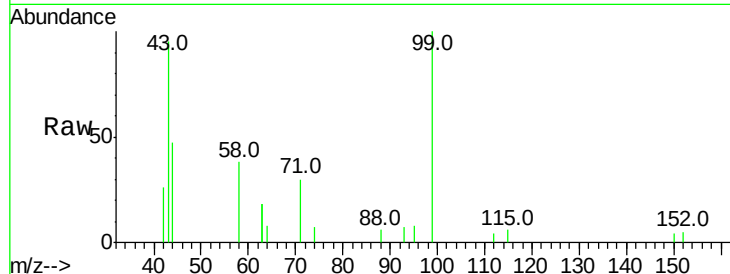
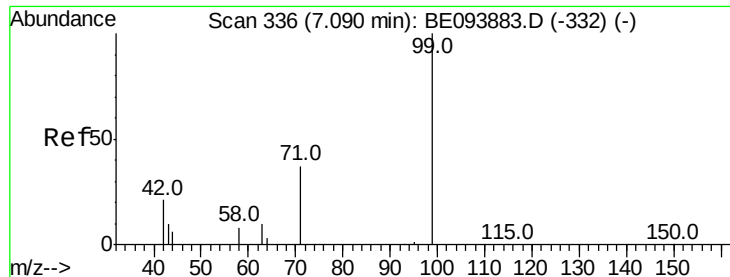
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.316 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

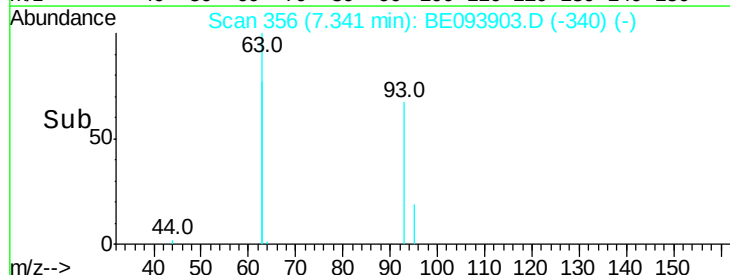
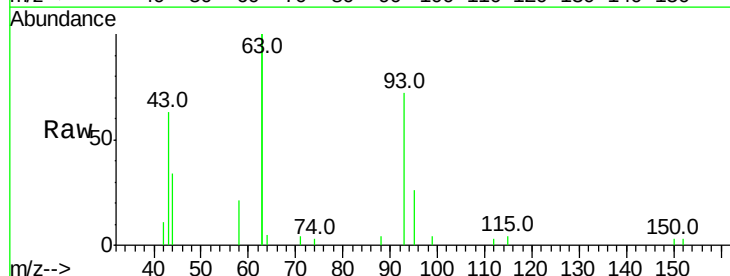
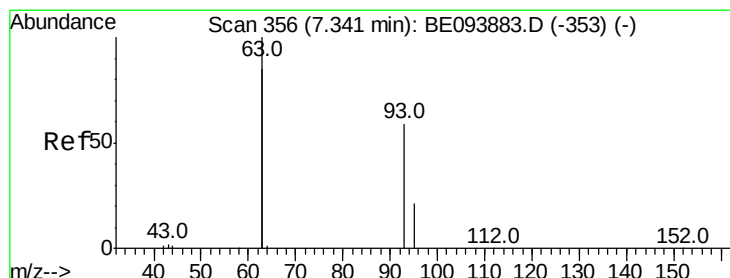
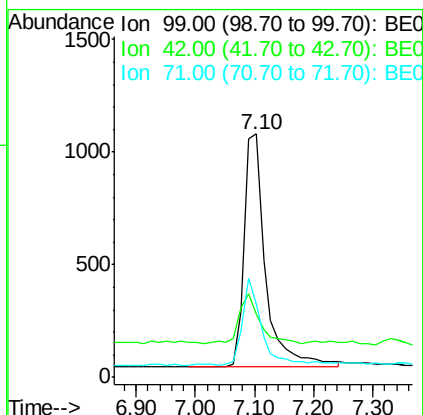
Tot Ion: 99 Resp: 2614

Ion Ratio Lower Upper

99 100

42 20.9 17.1 25.7

71 33.2 26.6 39.8



#6

bis(2-Chloroethyl)ether

Concen: 0.301 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

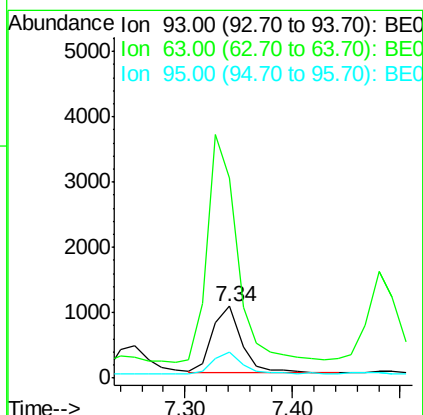
Tgt Ion: 93 Resp: 1919

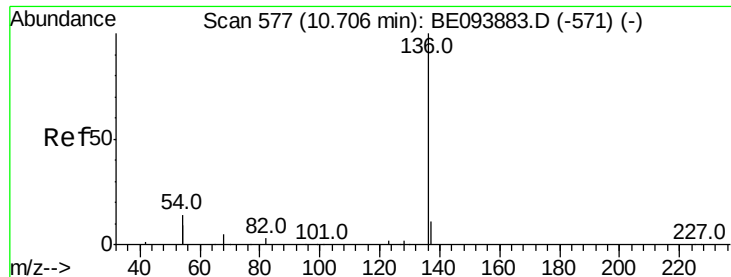
Ion Ratio Lower Upper

93 100

63 346.1 283.4 425.2

95 32.2 26.9 40.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

Tot Ion:136 Resp: 7856

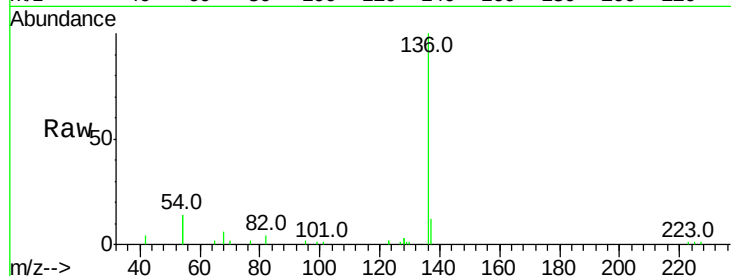
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 27.4 21.9 32.9

68 5.6 4.6 7.0

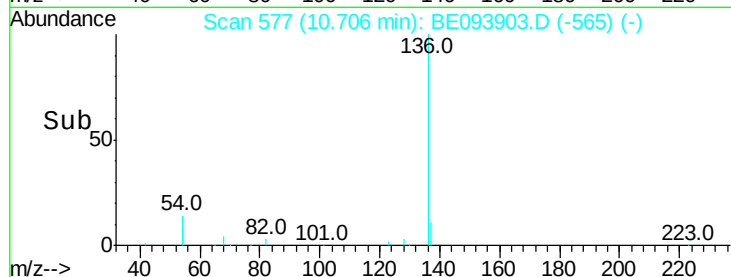


Abundance Ion 136.00 (135.70 to 136.70): E

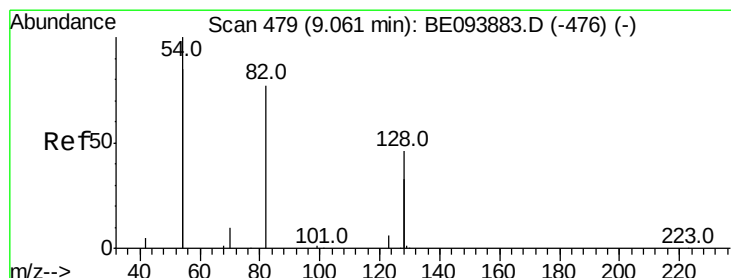
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.366 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

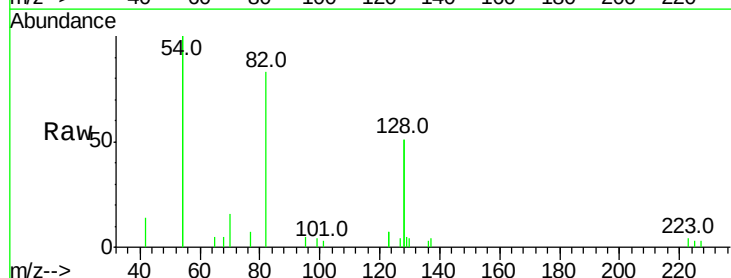
Tgt Ion: 82 Resp: 2397

Ion Ratio Lower Upper

82 100

128 121.8 91.4 137.0

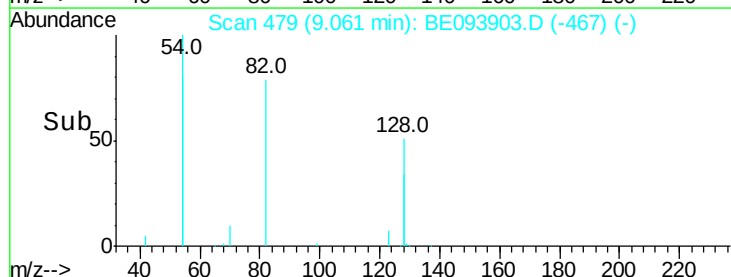
54 239.6 197.8 296.8



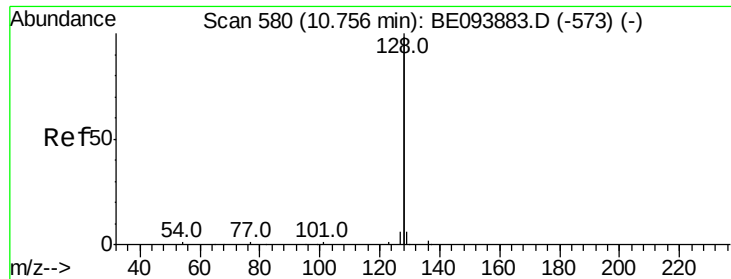
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.289 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

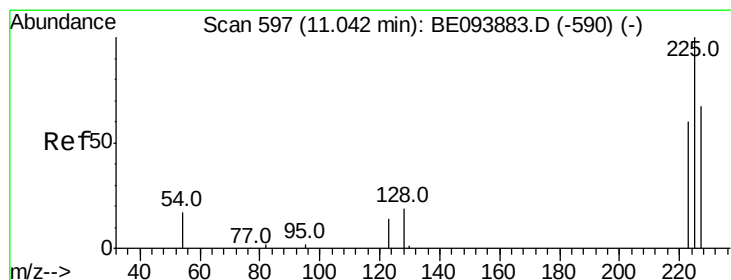
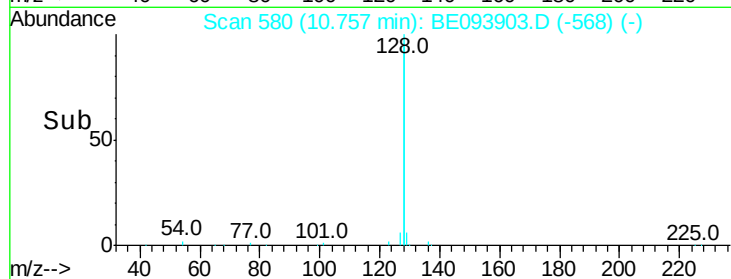
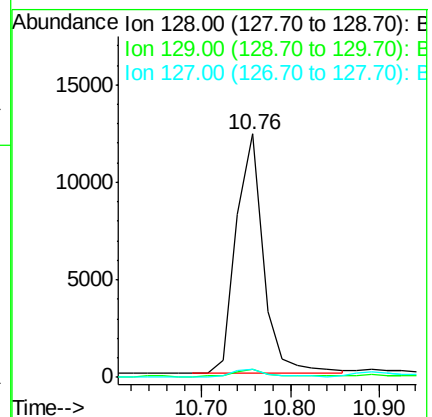
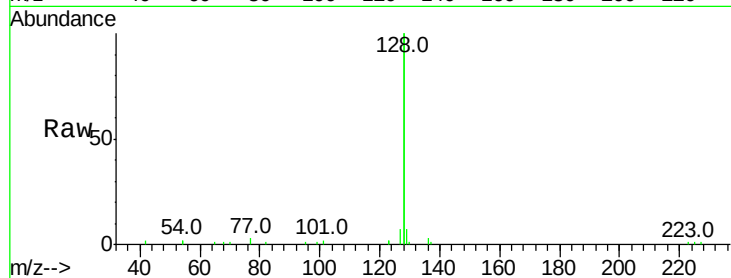
Tot Ion:128 Resp: 25874

Ion Ratio Lower Upper

128 100

129 3.3 2.5 3.7

127 3.4 2.6 4.0



#10

Hexachlorobutadiene

Concen: 0.320 ng

RT: 11.04 min Scan# 597

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

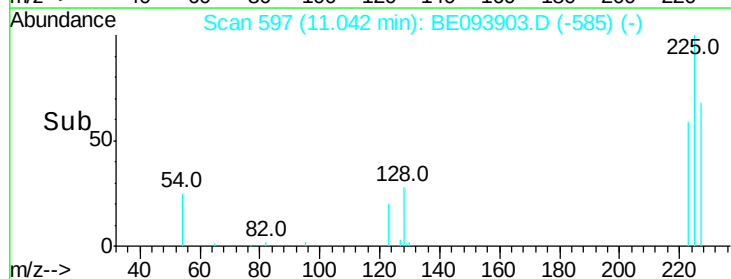
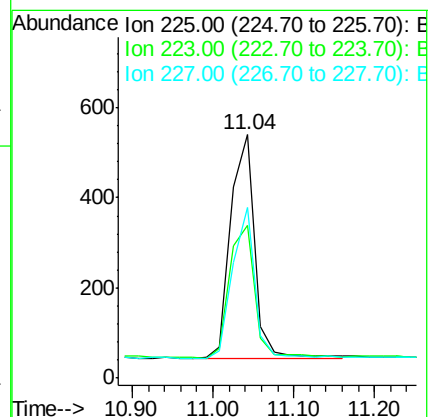
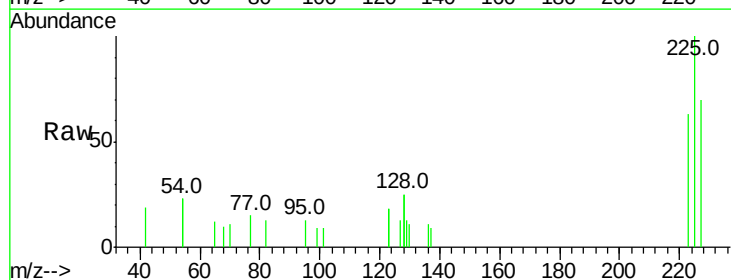
Tgt Ion:225 Resp: 1012

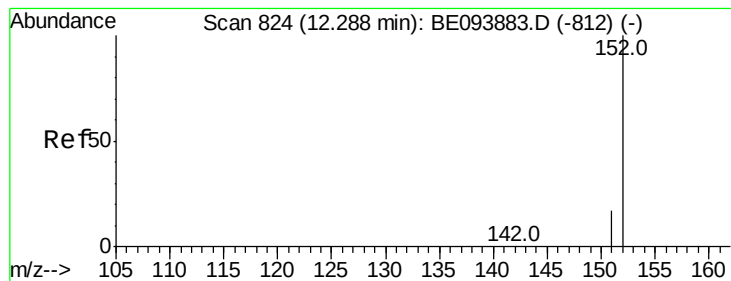
Ion Ratio Lower Upper

225 100

223 62.4 49.4 74.0

227 62.5 50.5 75.7





#11

2-Methylnaphthalene-d10

Concen: 0.357 ng

RT: 12.29 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

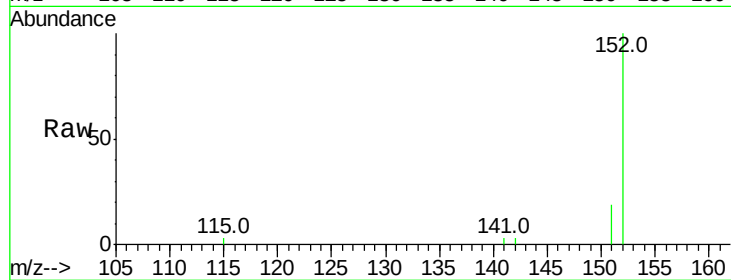
PB101940BS

Tot Ion:152 Resp: 4434

Ion Ratio Lower Upper

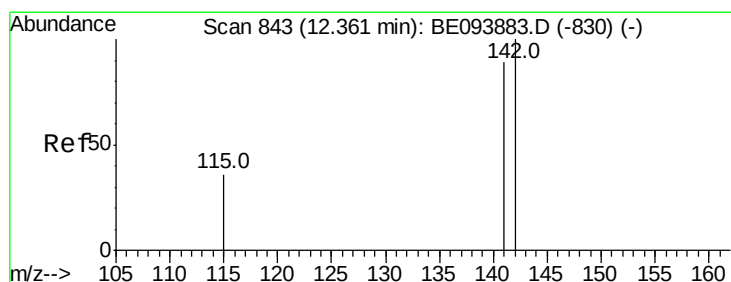
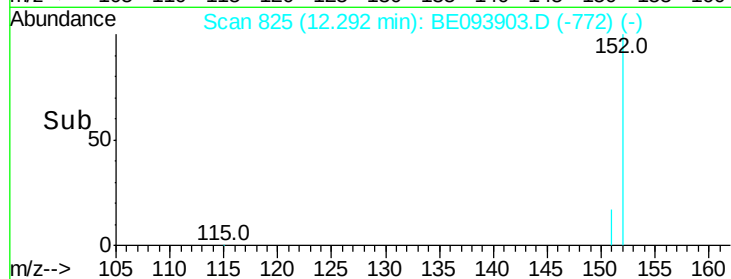
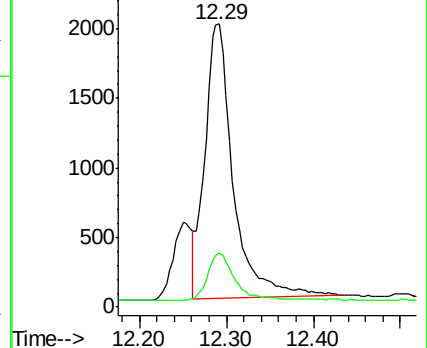
152 100

151 17.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.282 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

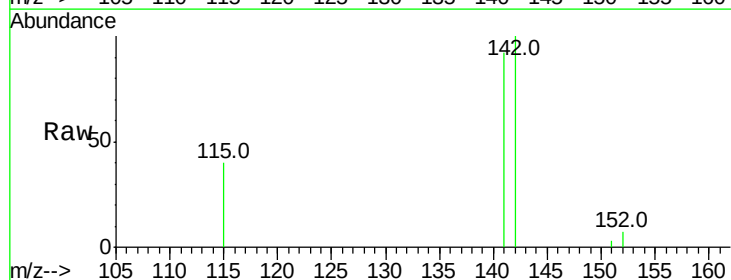
Tgt Ion:142 Resp: 4209

Ion Ratio Lower Upper

142 100

141 92.2 71.4 107.2

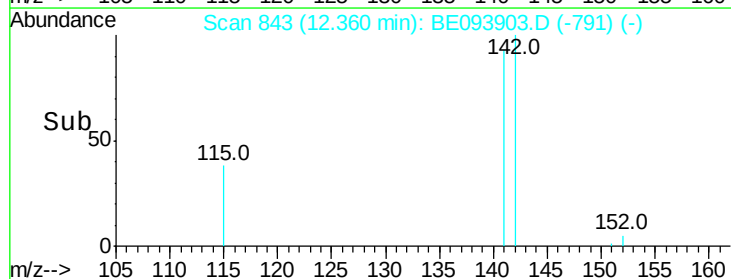
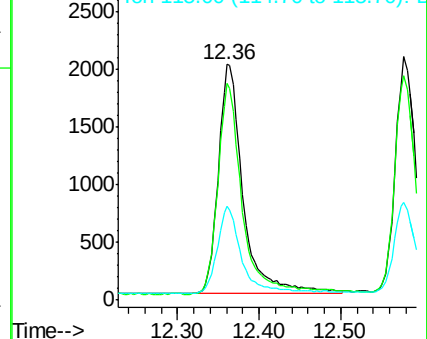
115 40.1 29.4 44.0

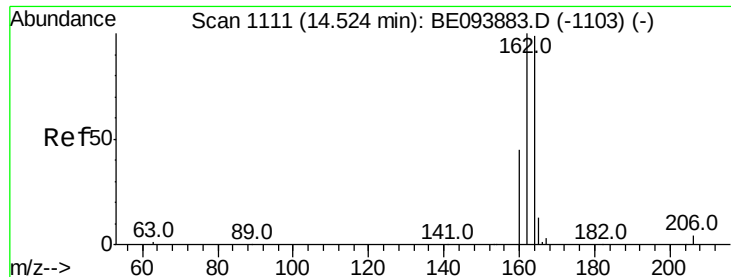


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

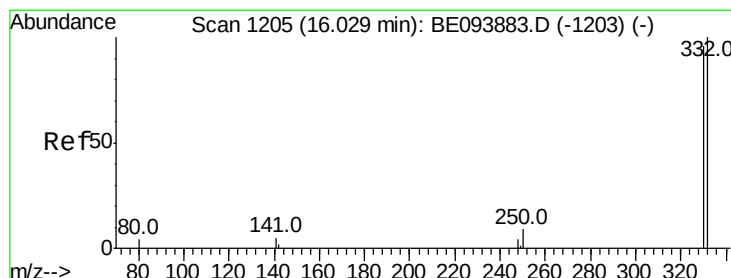
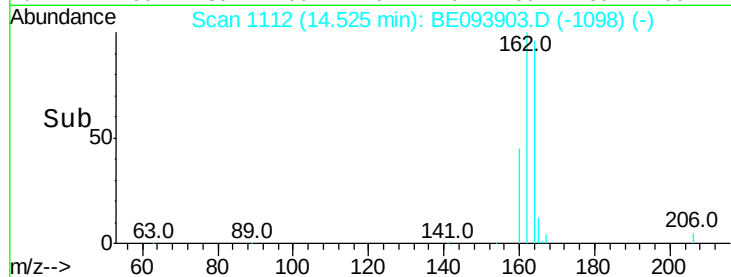
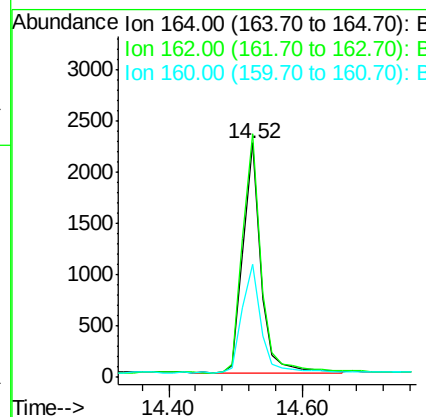
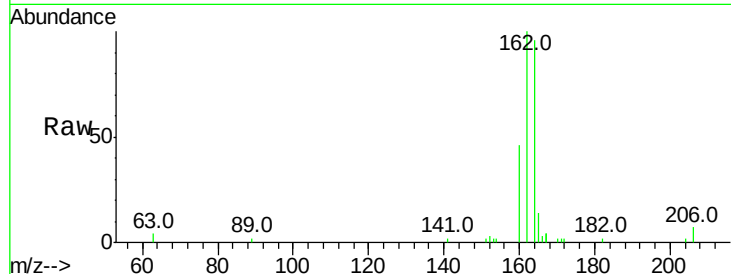




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BE093903.D
 Acq: 1 Sep 2017 15:43

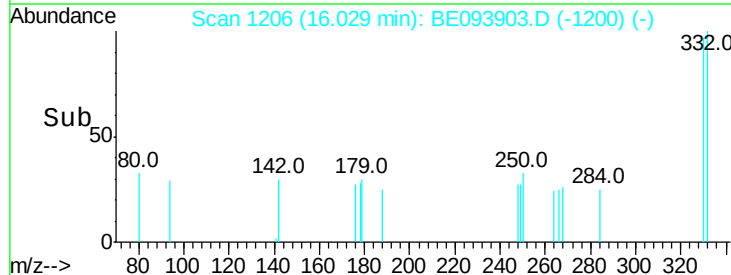
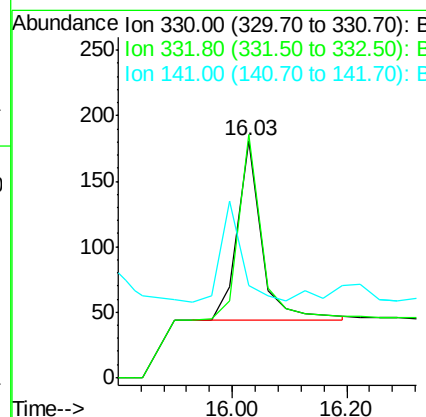
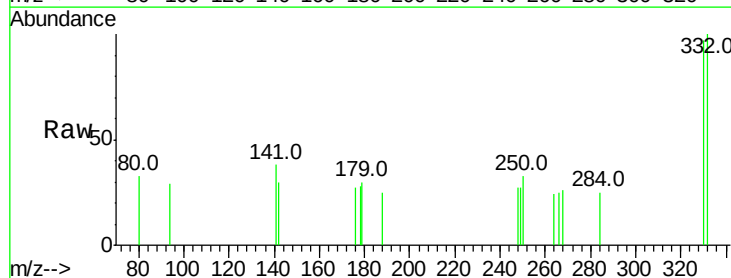
Instrument :
 BNA_E
 ClientSampleId :
 PB101940BS

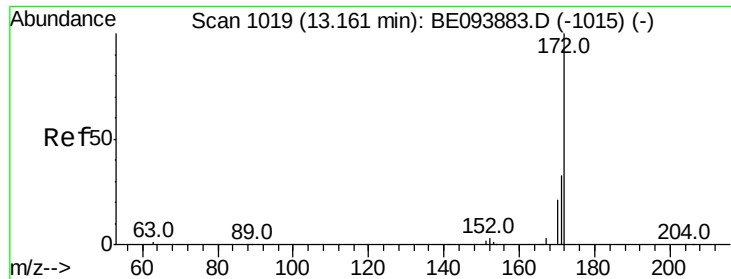
Tot Ion:164 Resp: 4113
 Ion Ratio Lower Upper
 164 100
 162 103.9 80.8 121.2
 160 48.2 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.364 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE093903.D
 Acq: 1 Sep 2017 15:43

Tgt Ion:330 Resp: 401
 Ion Ratio Lower Upper
 330 100
 332 99.0 76.9 115.3
 141 0.0 0.0 0.0

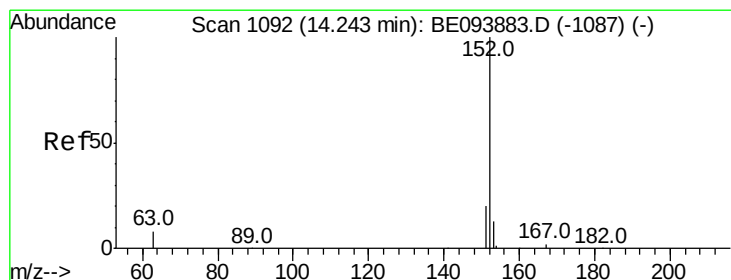
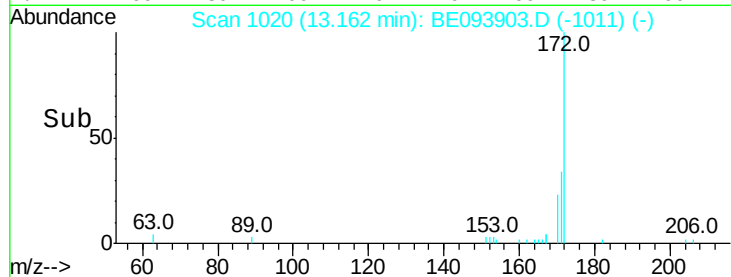
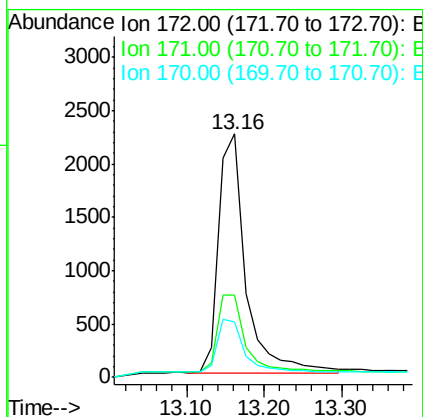
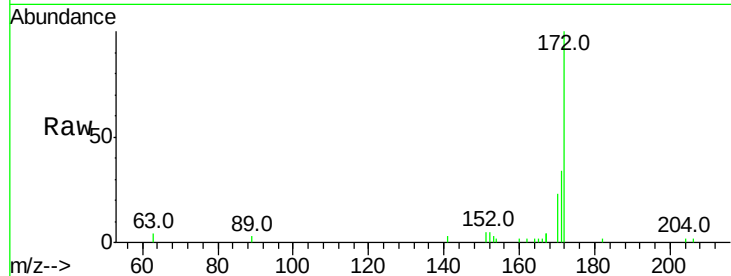




#15
2-Fluorobiphenyl
Concen: 0.332 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE093903.D
Acq: 1 Sep 2017 15:43

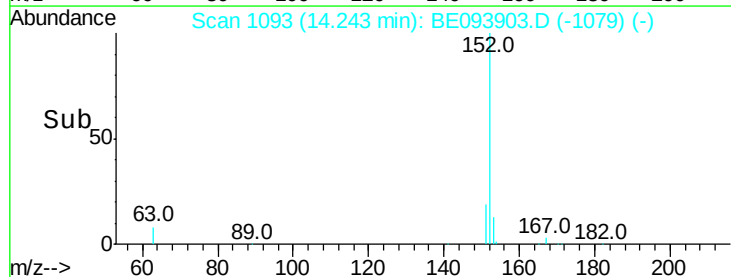
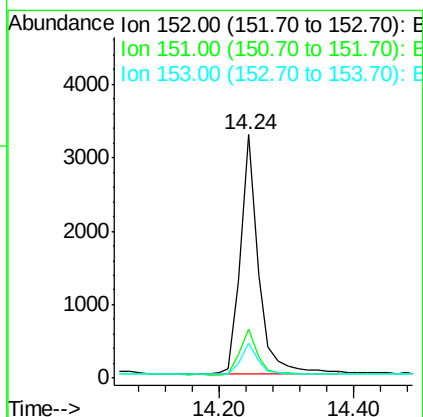
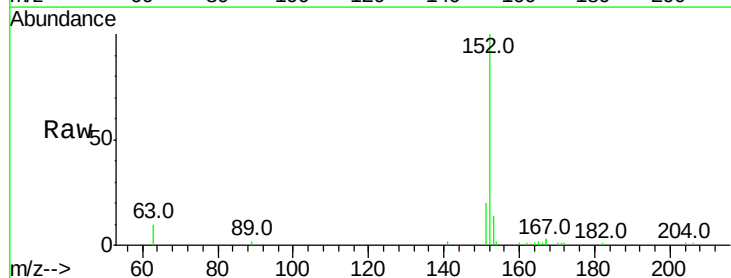
Instrument :
BNA_E
ClientSampleId :
PB101940BS

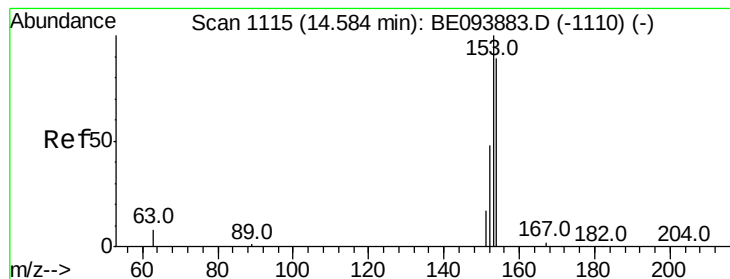
Tot Ion:172 Resp: 5427
Ion Ratio Lower Upper
172 100
171 34.0 26.9 40.3
170 22.8 17.3 25.9



#16
Acenaphthylene
Concen: 0.299 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093903.D
Acq: 1 Sep 2017 15:43

Tgt Ion:152 Resp: 6080
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.3 10.6 16.0





#17

Acenaphthene

Concen: 0.292 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

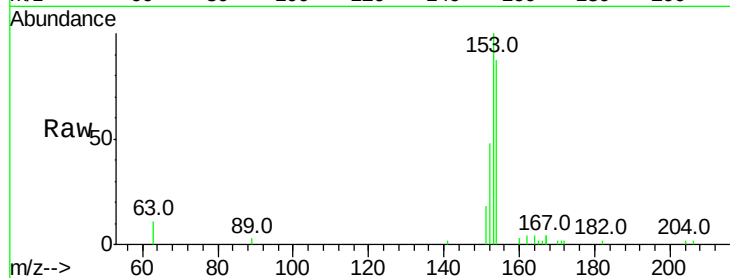
Tot Ion:154 Resp: 4012

Ion Ratio Lower Upper

154 100

153 113.5 91.8 137.6

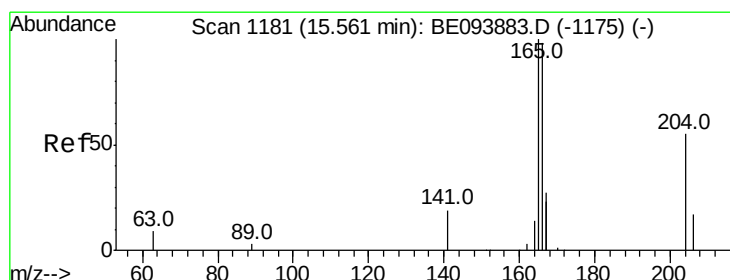
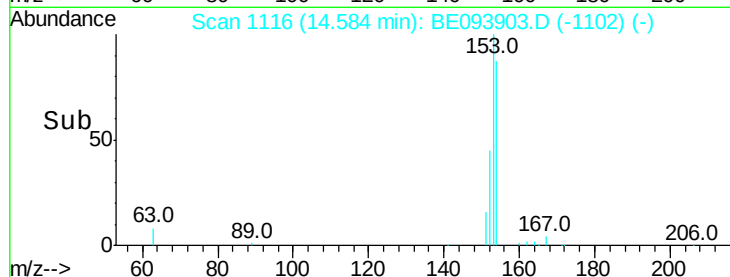
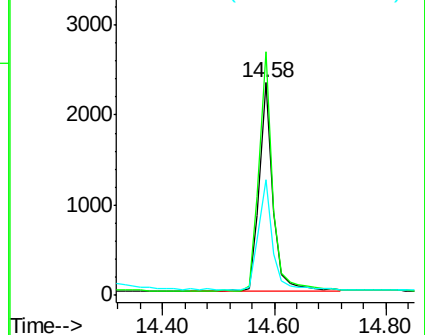
152 54.2 44.9 67.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.307 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

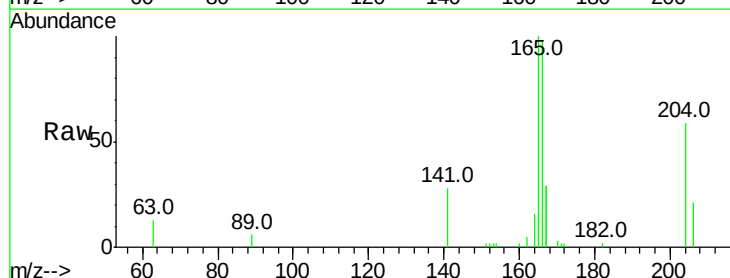
Tgt Ion:166 Resp: 5447

Ion Ratio Lower Upper

166 100

165 98.5 79.4 119.0

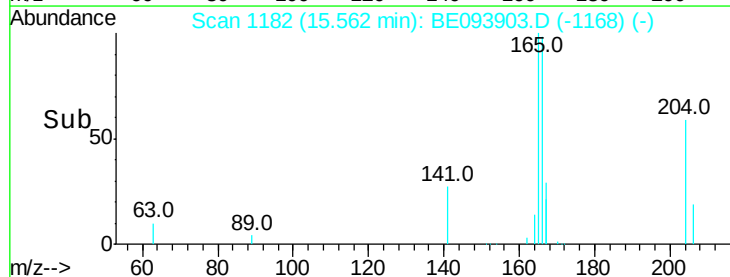
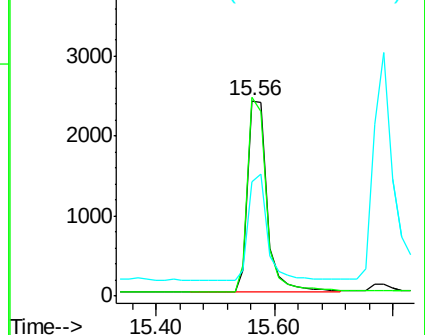
167 54.3 43.5 65.3

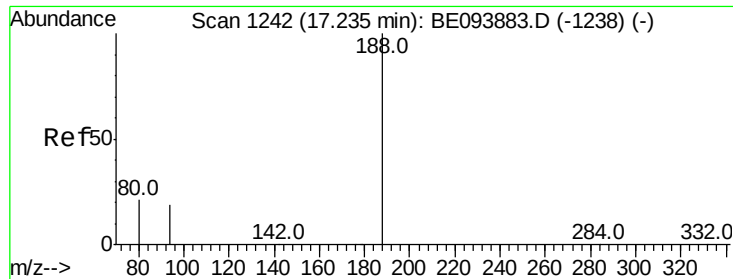


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

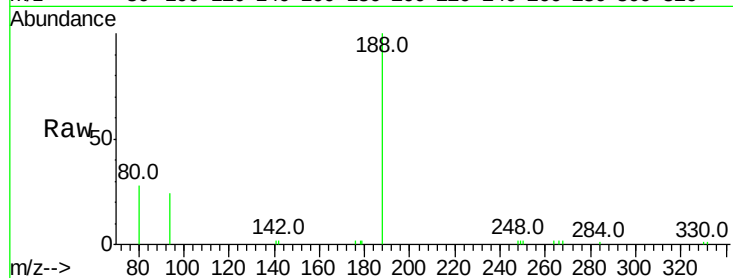
Tot Ion:188 Resp: 9471

Ion Ratio Lower Upper

188 100

94 24.3 16.1 24.1#

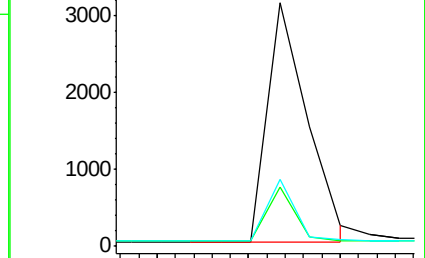
80 27.8 18.2 27.2#



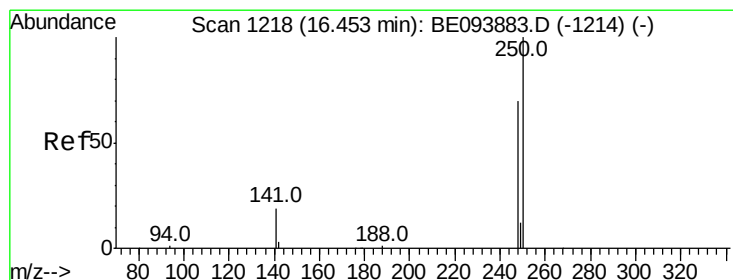
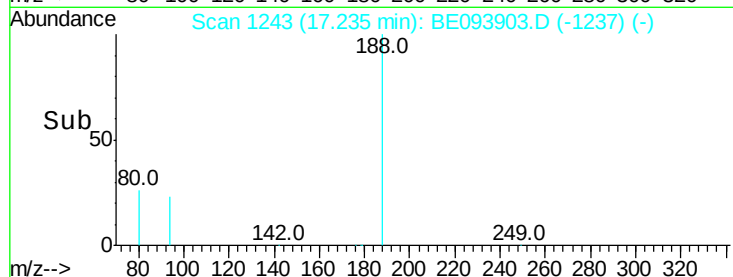
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.365 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

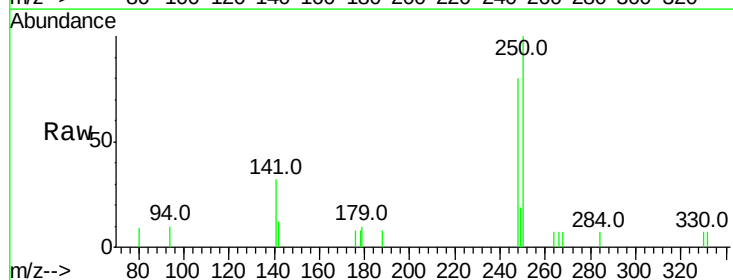
Tgt Ion:248 Resp: 1373

Ion Ratio Lower Upper

248 100

250 125.2 111.8 167.8

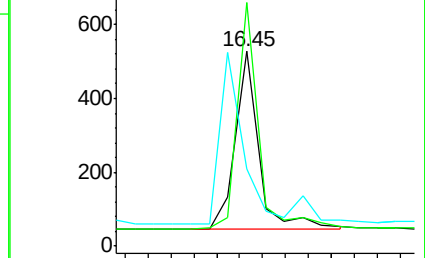
141 39.7 27.1 40.7



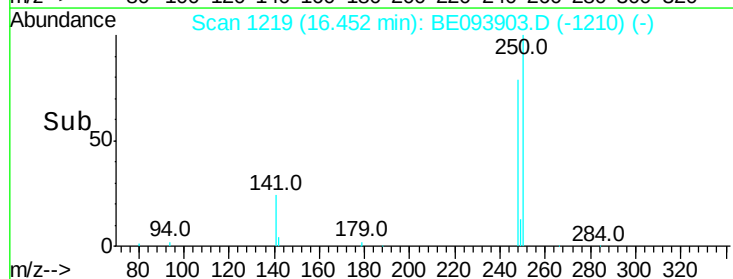
Abundance Ion 248.00 (247.70 to 248.70): E

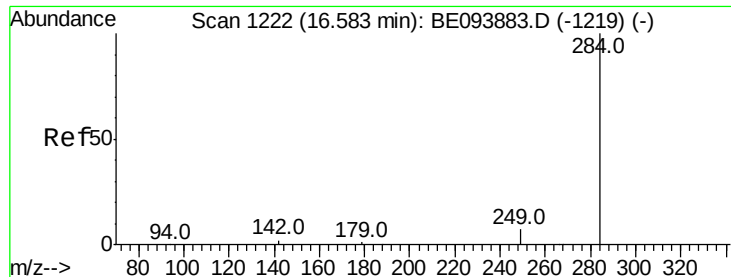
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#21

Hexachlorobenzene

Concen: 0.312 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

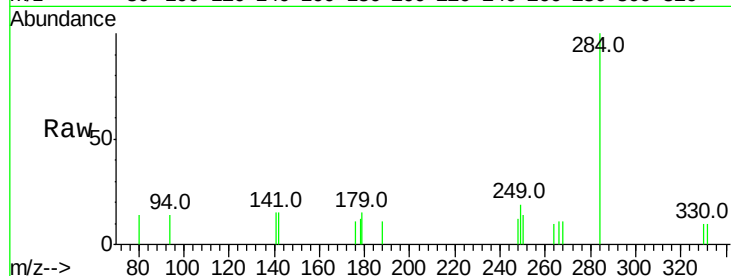
Tot Ion:284 Resp: 1080

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

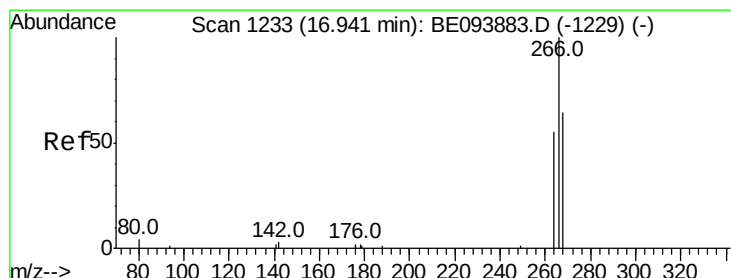
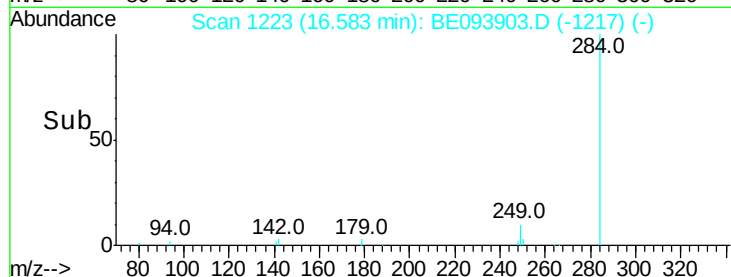
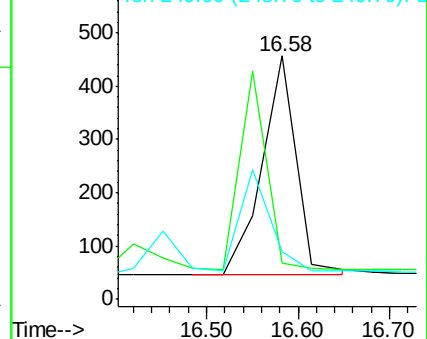
249 0.0 0.0 0.0



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: 0.398 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

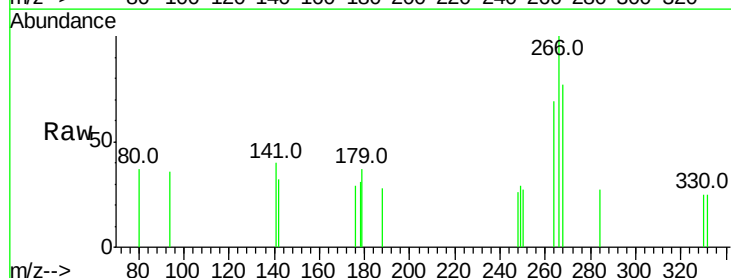
Tgt Ion:266 Resp: 591

Ion Ratio Lower Upper

266 100

264 69.1 53.5 80.3

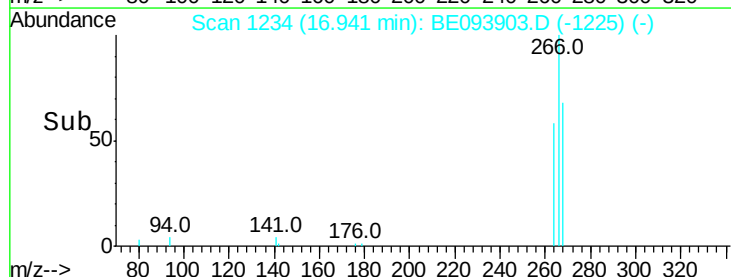
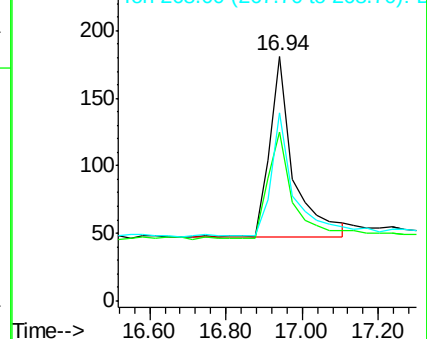
268 76.8 60.0 90.0

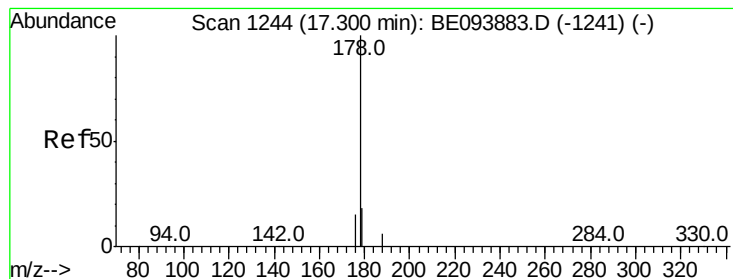


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.313 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

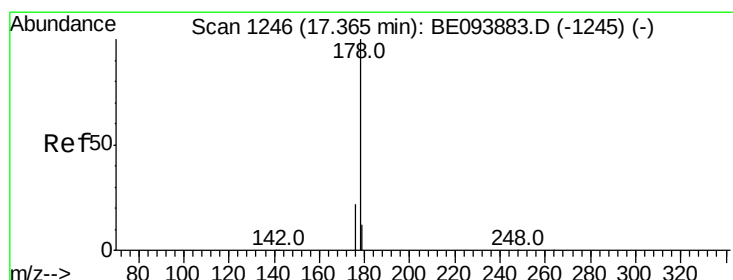
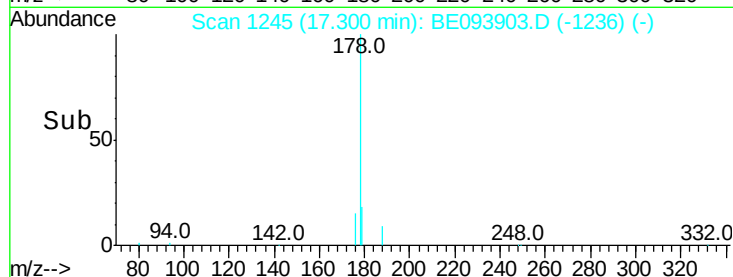
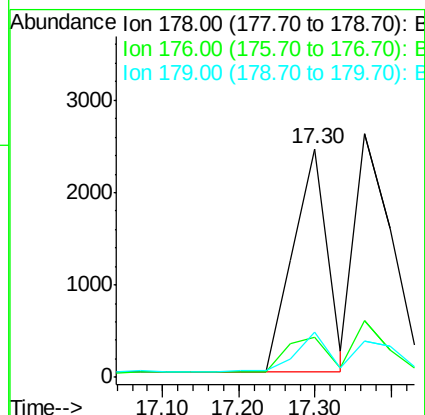
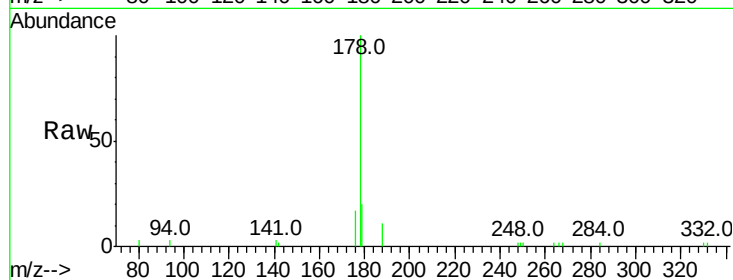
Tot Ion:178 Resp: 7541

Ion Ratio Lower Upper

178 100

176 18.9 0.0 0.0#

179 16.0 12.6 18.8



#24

Anthracene

Concen: 0.303 ng

RT: 17.36 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

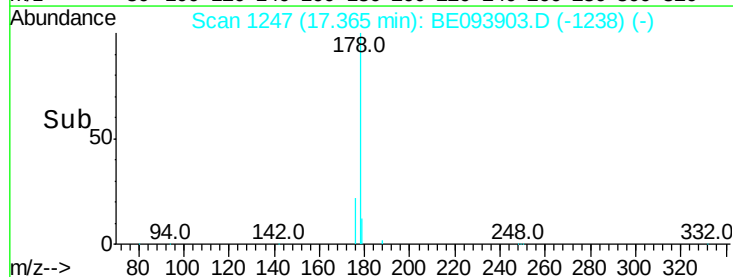
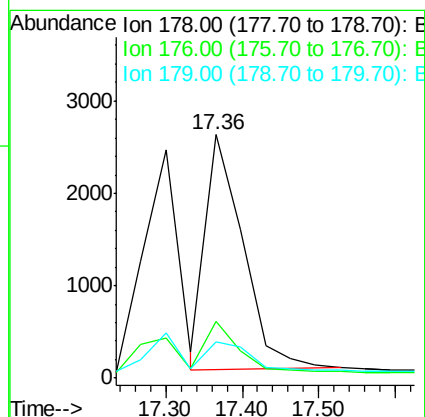
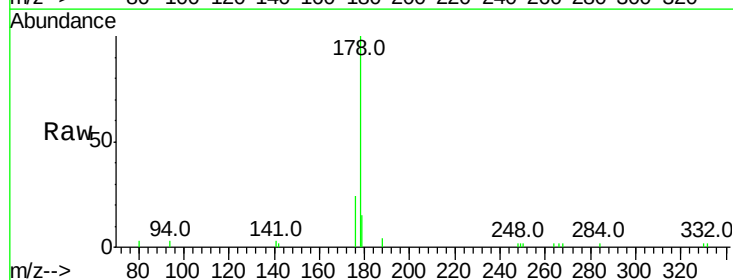
Tgt Ion:178 Resp: 8707

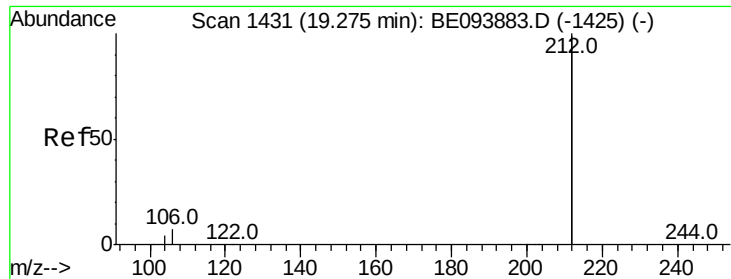
Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

179 0.0 0.0 0.0





#25

Fluoranthene-d10

Concen: 0.466 ng

RT: 19.27 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

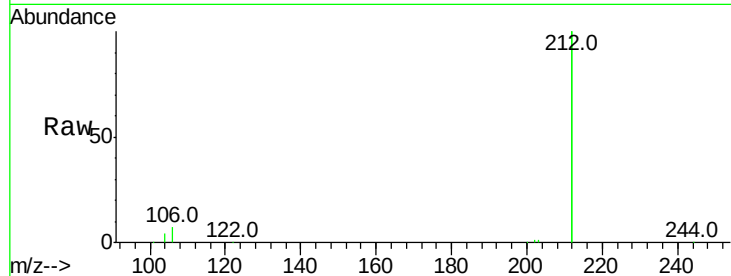
Tot Ion:212 Resp: 50887

Ion Ratio Lower Upper

212 100

106 3.3 2.7 4.1

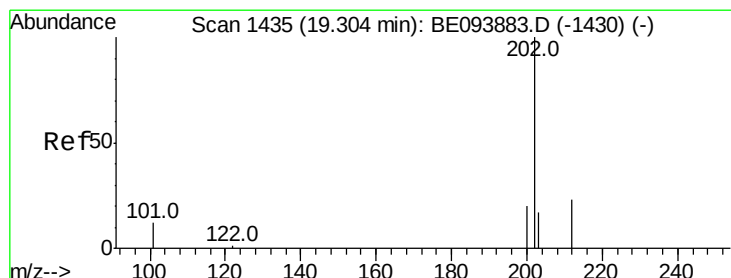
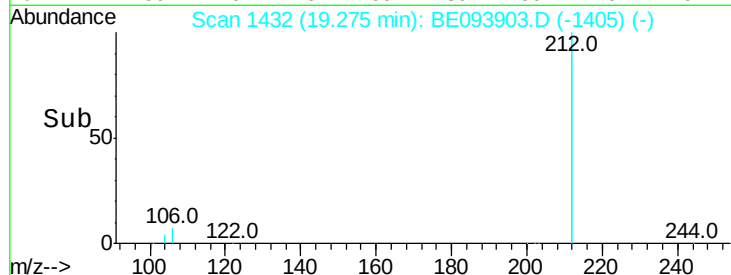
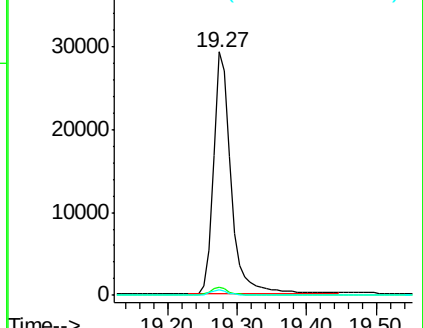
104 1.9 1.6 2.4



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: 0.387 ng

RT: 19.30 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

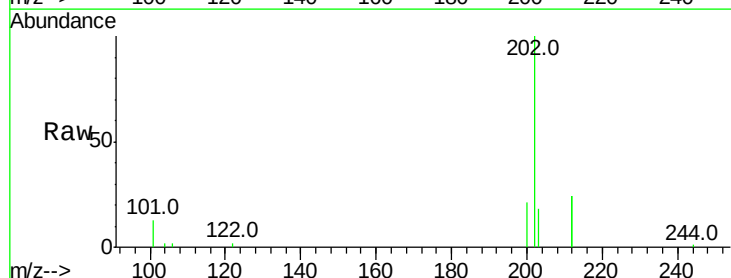
Tgt Ion:202 Resp: 12775

Ion Ratio Lower Upper

202 100

101 12.0 9.7 14.5

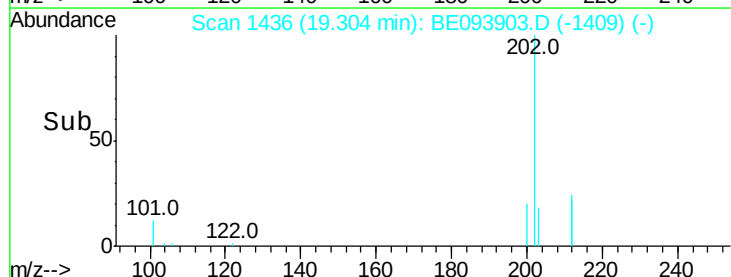
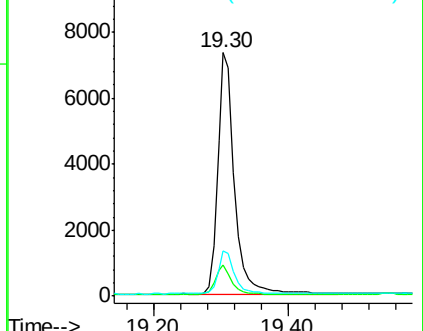
203 17.0 13.7 20.5

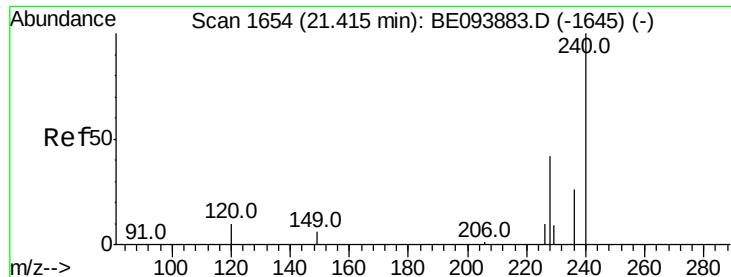


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

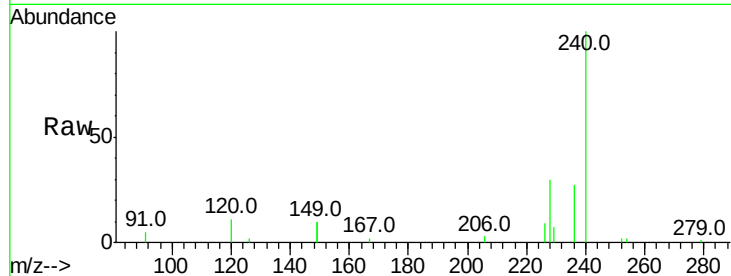




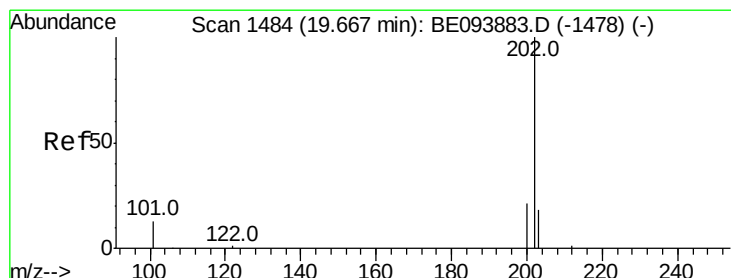
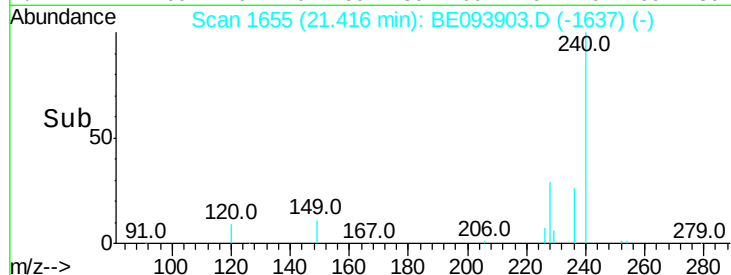
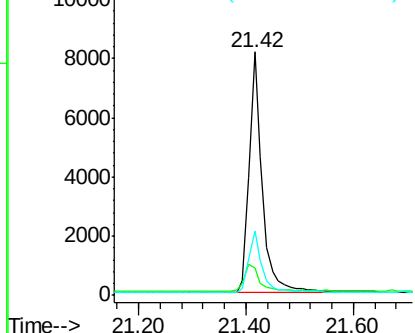
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE093903.D
Acq: 1 Sep 2017 15:43

Instrument :
BNA_E
ClientSampleId :
PB101940BS

Tot Ion:240 Resp: 13966
Ion Ratio Lower Upper
240 100
120 11.1 8.7 13.1
236 26.7 21.3 31.9

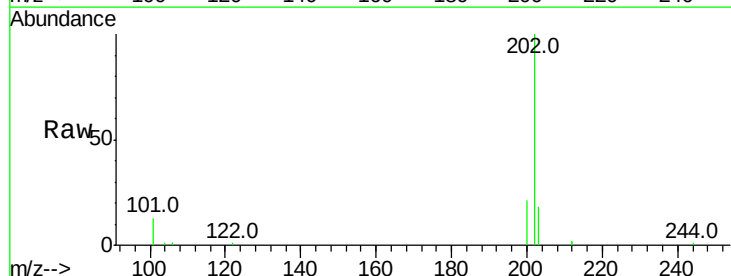


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

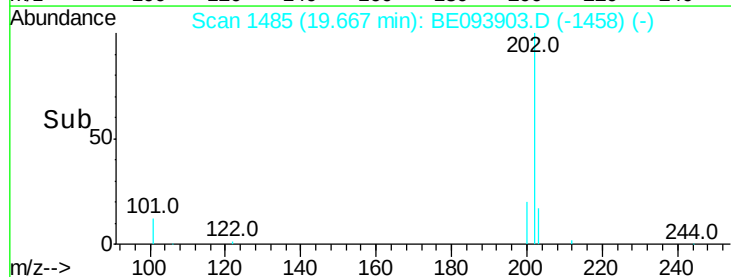
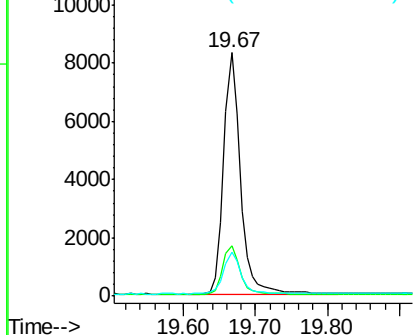


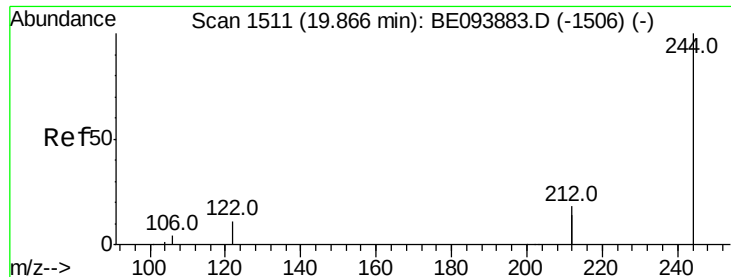
#28
Pyrene
Concen: 0.285 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE093903.D
Acq: 1 Sep 2017 15:43

Tgt Ion:202 Resp: 13371
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 18.3 14.2 21.4



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: 0.431 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

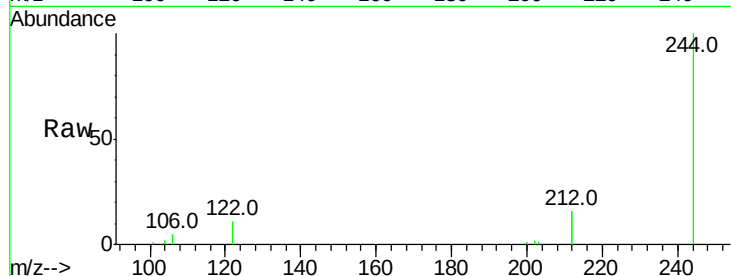
Tot Ion:244 Resp: 10890

Ion Ratio Lower Upper

244 100

212 32.5 28.3 42.5

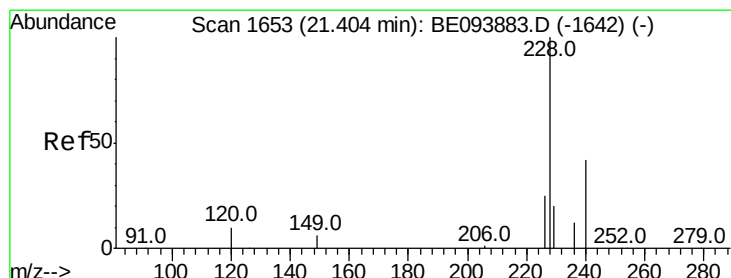
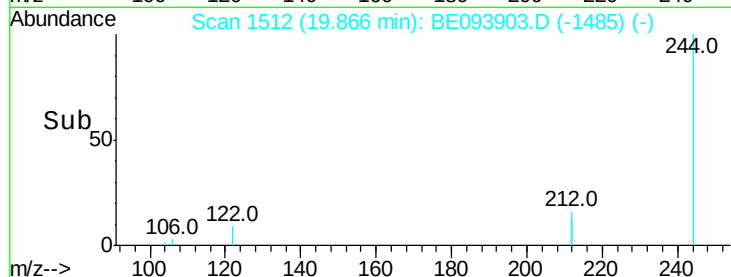
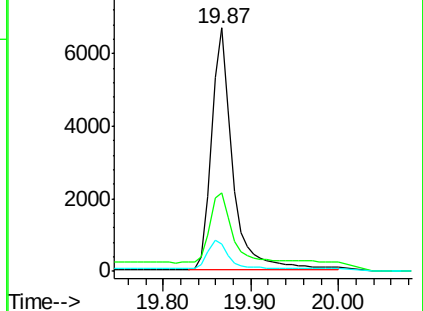
122 11.1 9.4 14.0



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: 0.299 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

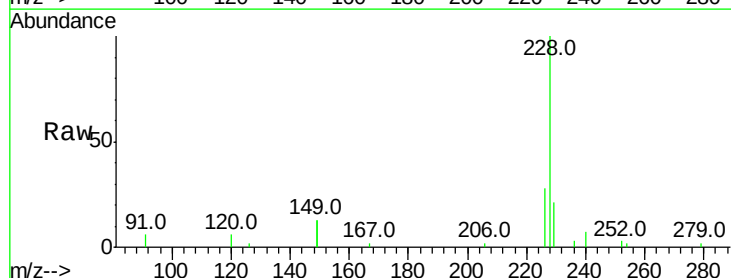
Tgt Ion:228 Resp: 12422

Ion Ratio Lower Upper

228 100

226 28.5 20.8 31.2

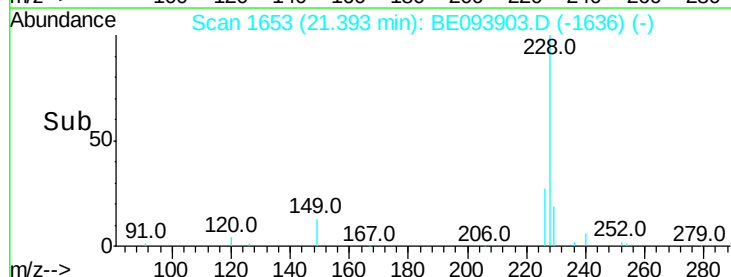
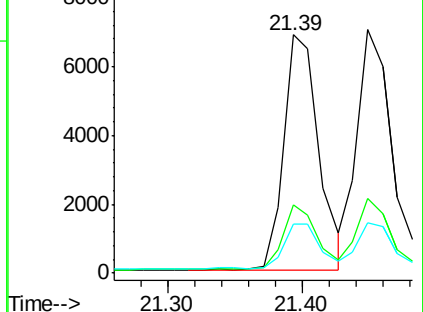
229 20.6 16.6 25.0

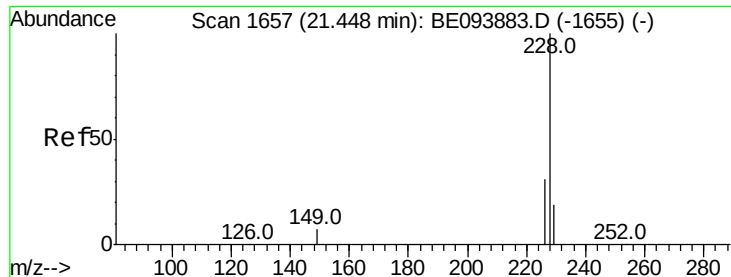


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.285 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

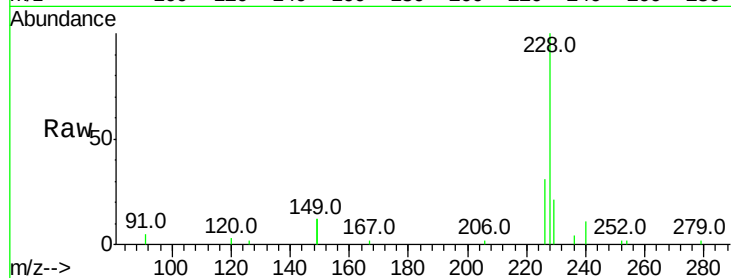
Tot Ion:228 Resp: 13141

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

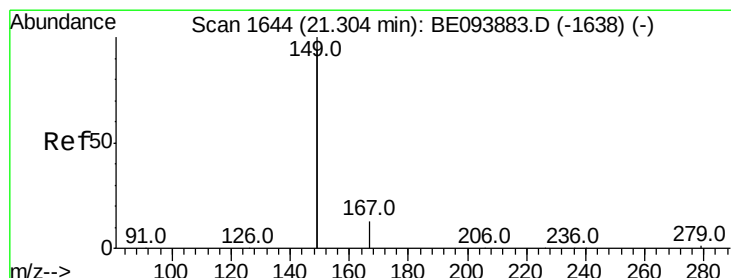
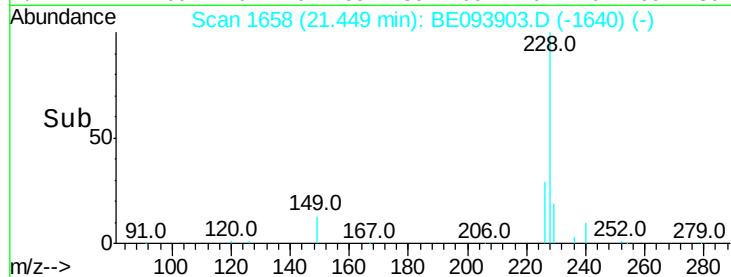
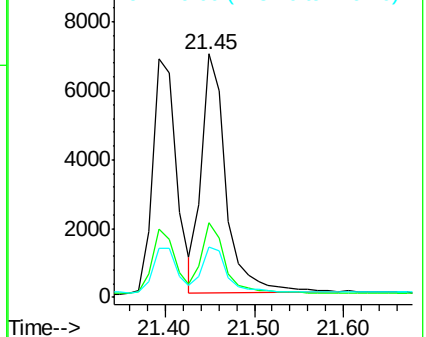
229 20.8 15.8 23.8



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.392 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

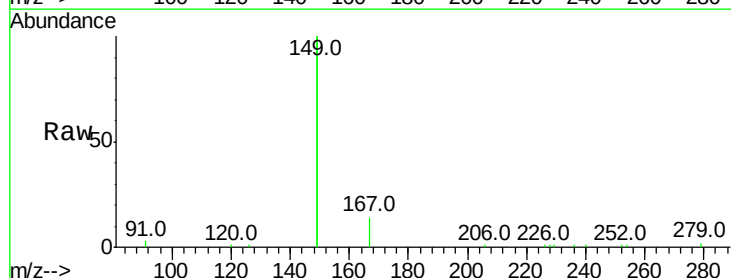
Tgt Ion:149 Resp: 34296

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

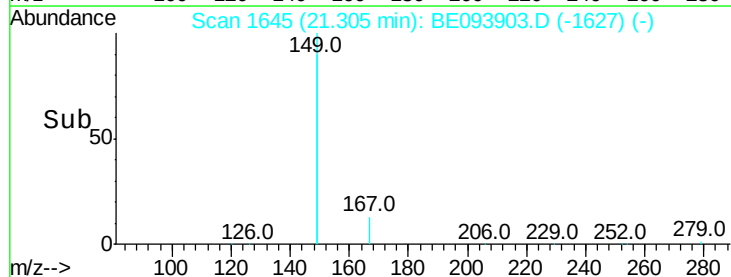
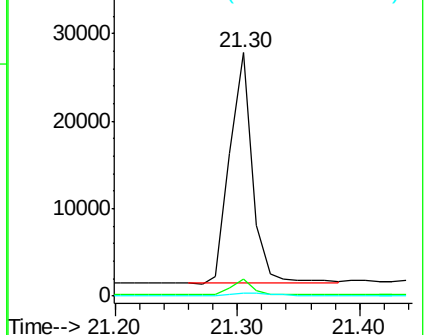
279 1.1 0.7 1.1#

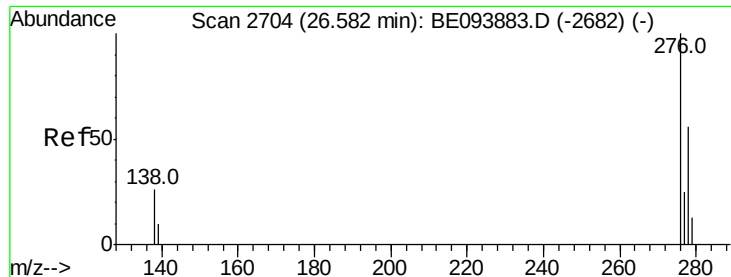


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.333 ng

RT: 26.59 min Scan# 2706

Delta R.T. 0.01 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS

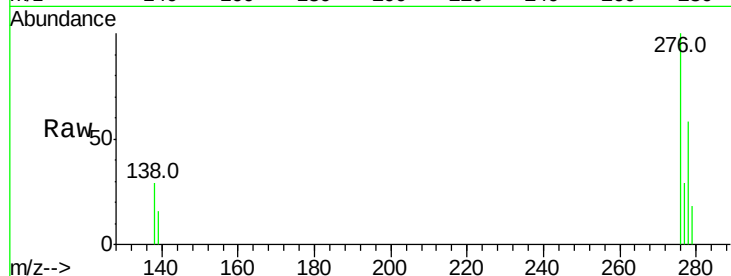
Tot Ion:276 Resp: 10462

Ion Ratio Lower Upper

276 100

138 25.6 22.2 33.2

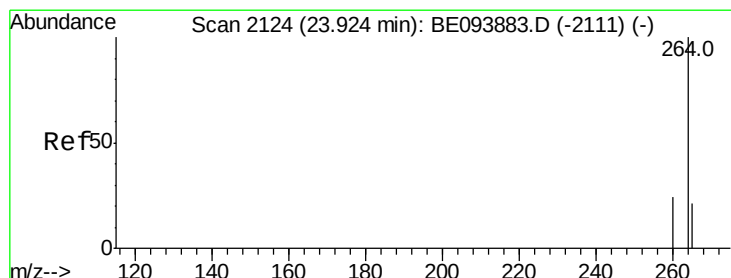
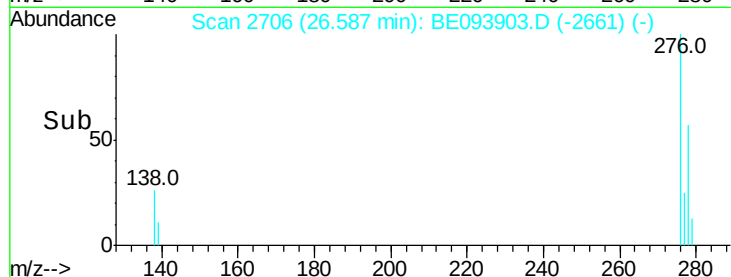
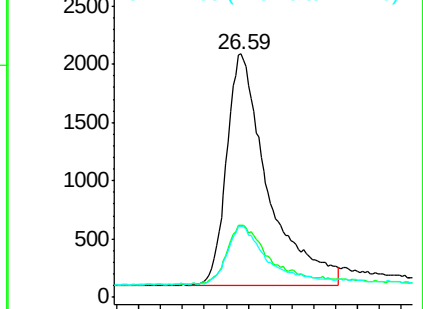
277 24.0 19.5 29.3



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: 0.400 ng

RT: 23.93 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BE093903.D

Acq: 1 Sep 2017 15:43

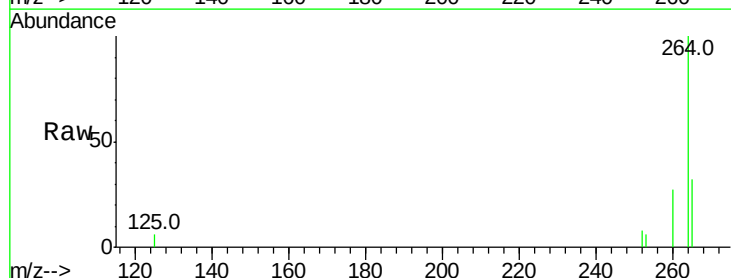
Tgt Ion:264 Resp: 12044

Ion Ratio Lower Upper

264 100

260 26.7 20.0 30.0

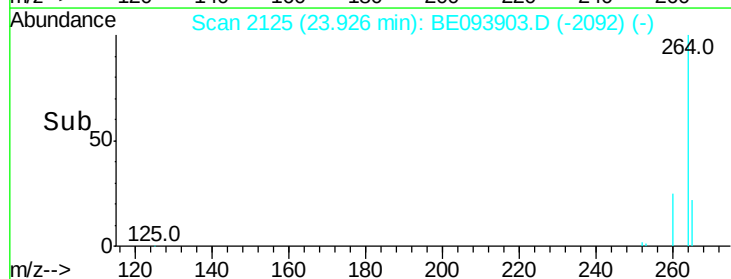
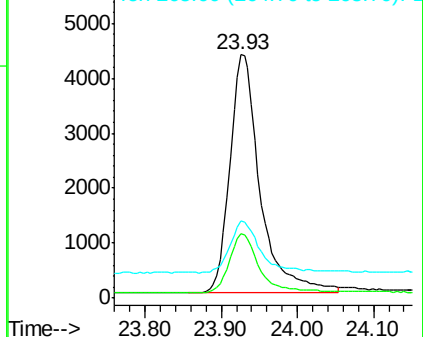
265 31.7 24.0 36.0

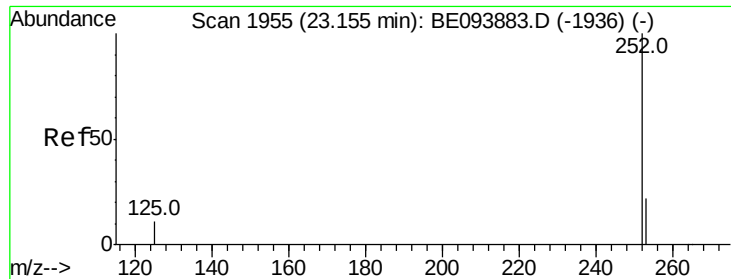


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

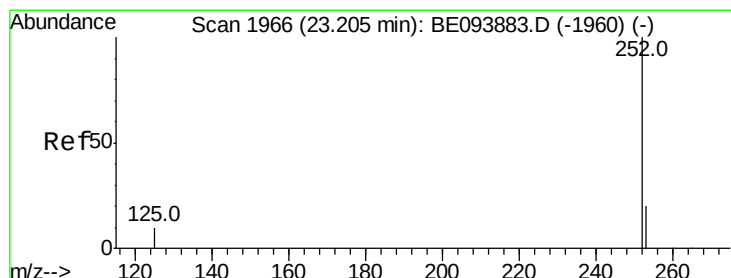
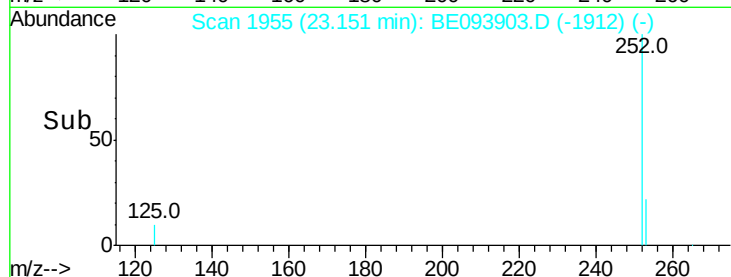
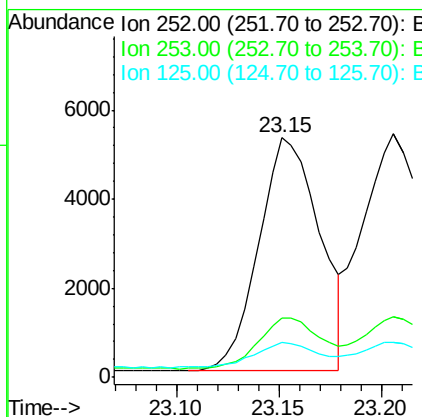
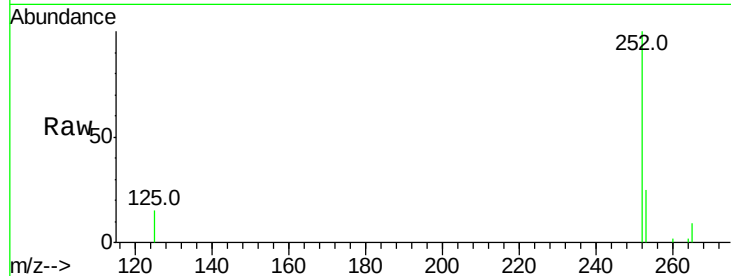




#35
Benzo(b)fluoranthene
Concen: 0.282 ng
RT: 23.15 min Scan# 1955
Delta R.T. -0.00 min
Lab File: BE093903.D
Acq: 1 Sep 2017 15:43

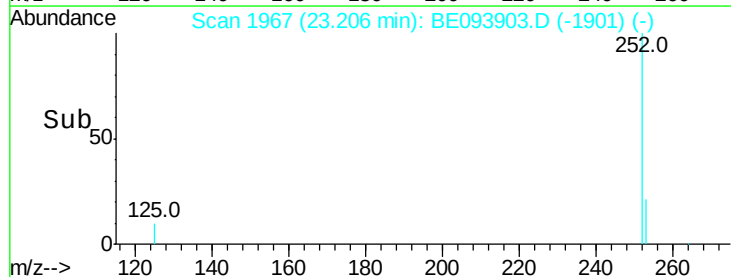
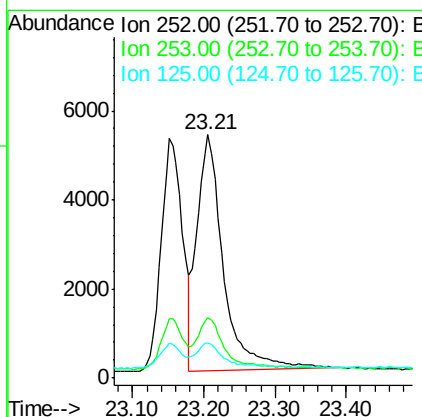
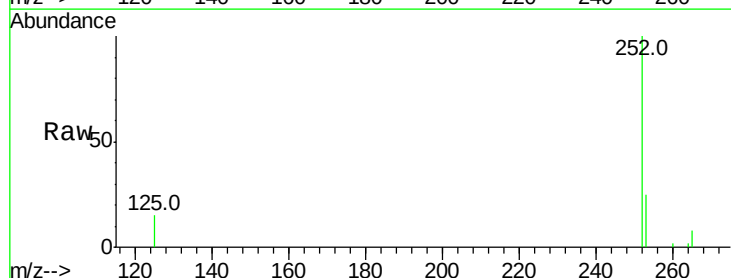
Instrument :
BNA_E
ClientSampleId :
PB101940BS

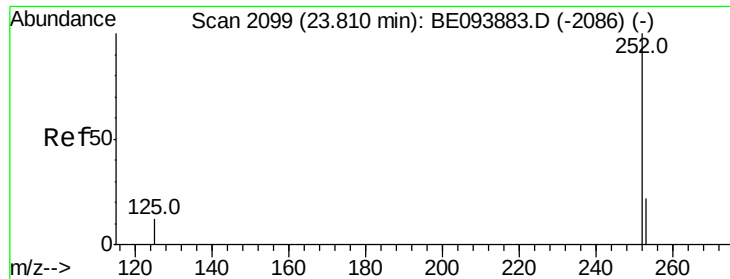
Tot Ion:252 Resp: 10836
Ion Ratio Lower Upper
252 100
253 24.8 19.4 29.0
125 14.7 10.0 15.0



#36
Benzo(k)fluoranthene
Concen: 0.308 ng
RT: 23.21 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BE093903.D
Acq: 1 Sep 2017 15:43

Tgt Ion:252 Resp: 13525
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 14.6 9.8 14.6

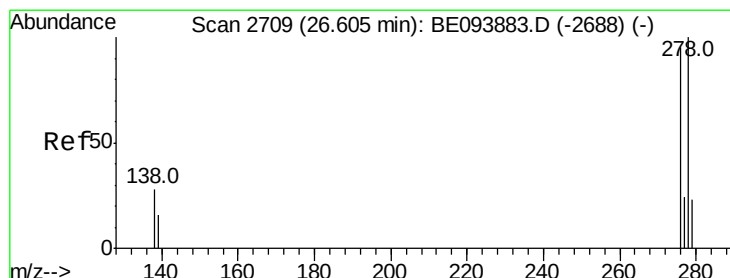
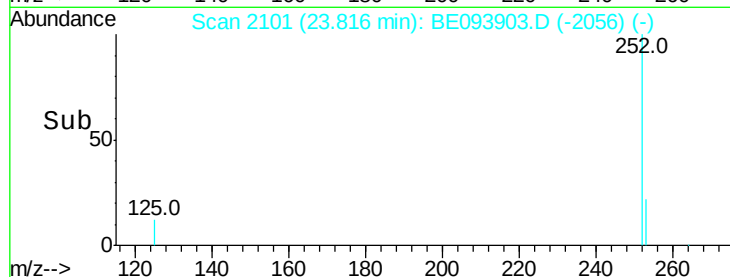
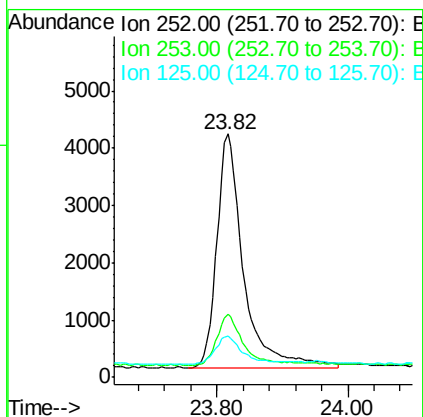
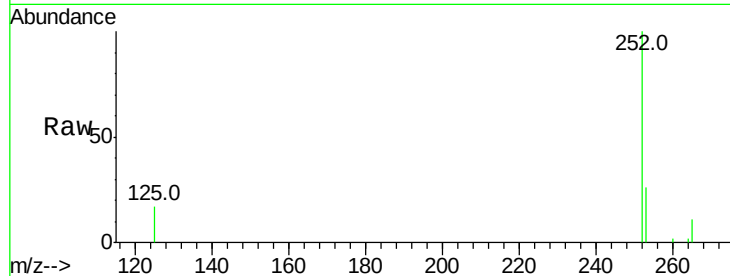




#37
Benzo(a)pyrene
Concen: 0.302 ng
RT: 23.82 min Scan# 2101
Delta R.T. 0.01 min
Lab File: BE093903.D
Acq: 1 Sep 2017 15:43

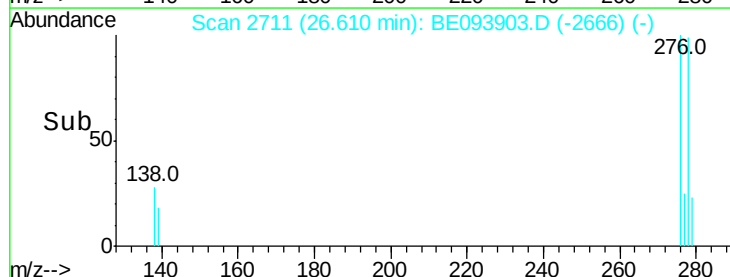
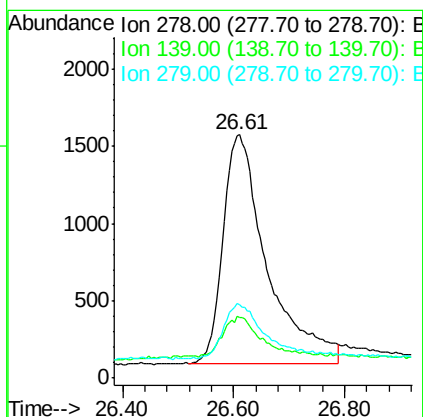
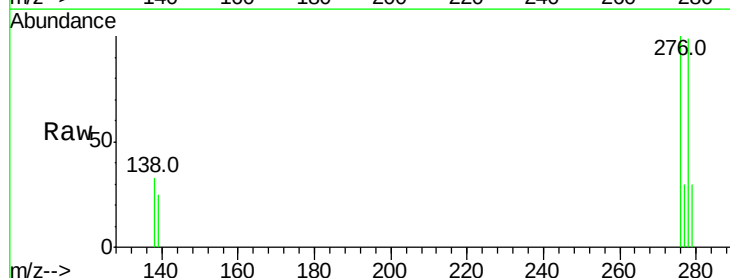
Instrument :
BNA_E
ClientSampleId :
PB101940BS

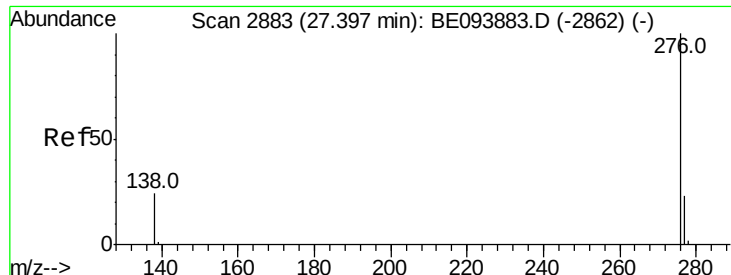
Tot Ion:252 Resp: 11526
Ion Ratio Lower Upper
252 100
253 26.0 19.6 29.4
125 17.0 11.8 17.8



#38
Dibenzo(a,h)anthracene
Concen: 0.303 ng
RT: 26.61 min Scan# 2711
Delta R.T. 0.01 min
Lab File: BE093903.D
Acq: 1 Sep 2017 15:43

Tgt Ion:278 Resp: 8174
Ion Ratio Lower Upper
278 100
139 25.1 16.7 25.1#
279 30.2 21.6 32.4





#39

Benzo(a,h,i)perylene

Concen: 0.318 ng

RT: 27.39 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BE093903.D

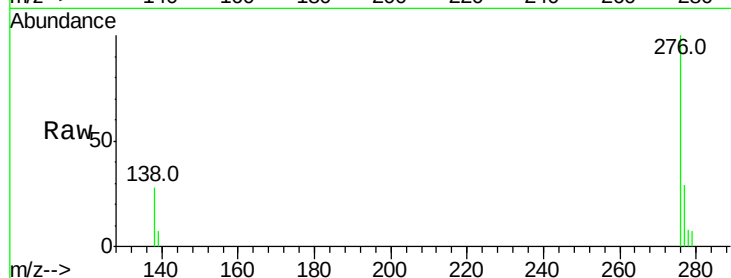
Acq: 1 Sep 2017 15:43

Instrument :

BNA_E

ClientSampleId :

PB101940BS



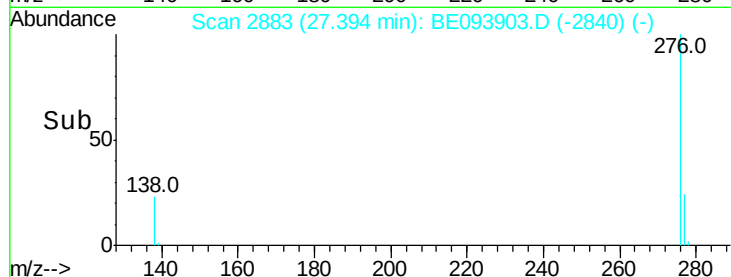
Tot Ion:276 Resp: 9342

Ion Ratio Lower Upper

276 100

277 28.7 20.6 30.8

138 28.2 21.9 32.9



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

