

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080717\
 Data File : BE093701.D
 Acq On : 7 Aug 2017 15:07
 Operator : SJ/JU
 Sample : PB101176BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB101176BS

Quant Time: Aug 08 00:46:08 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 14:30:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	5479	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	23988	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	12203	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	35911	0.40	ng	0.00
27) Chrysene-d12	21.40	240	40349	0.40	ng	0.00
34) Perylene-d12	23.91	264	31200	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	2494	0.14	ng	0.00
5) Phenol-d6	7.09	99	3414	0.13	ng	0.00
8) Nitrobenzene-d5	9.06	82	2623	0.13	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	4988	0.13	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	407	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	6780	0.14	ng	0.00
25) Fluoranthene-d10	19.27	212	53484	0.13	ng	0.00
29) Terphenyl-d14	19.86	244	9655	0.13	ng	0.00

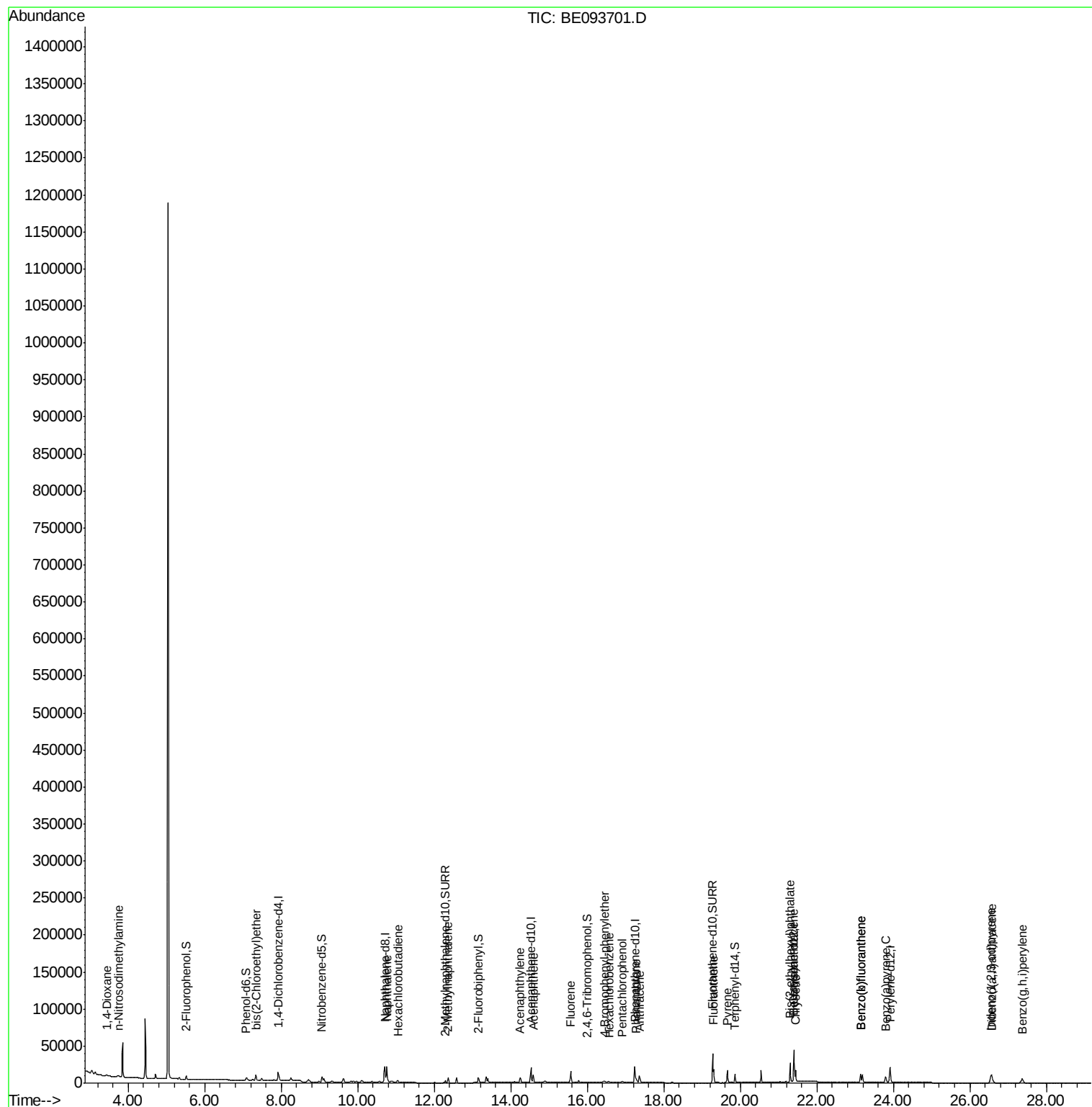
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	1267	0.154	ng	# 20
3) n-Nitrosodimethylamine	3.74	42	1778	0.208	ng	# 71
6) bis(2-Chloroethyl)ether	7.34	93	2683	0.128	ng	# 99
9) Naphthalene	10.76	128	34922	0.127	ng	99
10) Hexachlorobutadiene	11.04	225	1340	0.131	ng	98
12) 2-Methylnaphthalene	12.36	142	5750	0.124	ng	97
16) Acenaphthylene	14.24	152	7554	0.123	ng	# 87
17) Acenaphthene	14.58	154	5307	0.128	ng	99
18) Fluorene	15.56	166	6897	0.129	ng	# 87
20) 4-Bromophenyl-phenylether	16.45	248	1207	0.119	ng	# 95
21) Hexachlorobenzene	16.58	284	1224	0.113	ng	# 100
22) Pentachlorophenol	16.91	266	1561	0.206	ng	96
23) Phenanthrene	17.27	178	9756	0.128	ng	# 79
24) Anthracene	17.37	178	13629	0.117	ng	# 89
26) Fluoranthene	19.30	202	15915	0.127	ng	98
28) Pyrene	19.66	202	15867	0.120	ng	# 98
30) Benzo(a)anthracene	21.39	228	16122	0.126	ng	95
31) Chrysene	21.45	228	16559	0.127	ng	96
32) Bis(2-ethylhexyl)phthalate	21.30	149	26512	0.097	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	15625	0.124	ng	94
35) Benzo(b)fluoranthene	23.14	252	15606	0.144	ng	# 96
36) Benzo(k)fluoranthene	23.14	252	15606	0.144	ng	95
37) Benzo(a)pyrene	23.80	252	13493	0.132	ng	97
38) Dibenzo(a,h)anthracene	26.57	278	13551	0.142	ng	# 90
39) Benzo(g,h,i)perylene	27.37	276	13329	0.139	ng	# 91

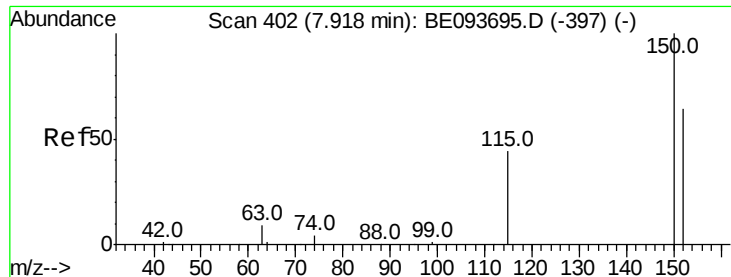
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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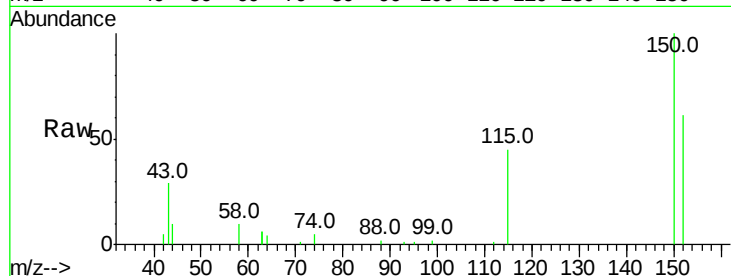


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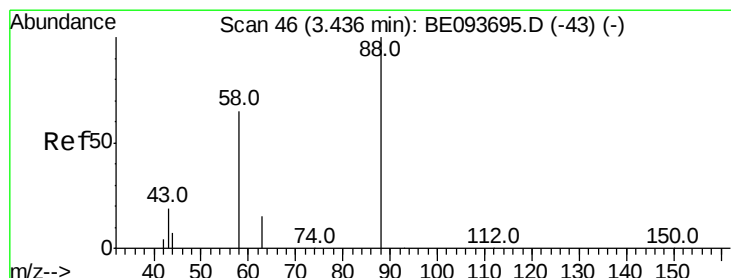
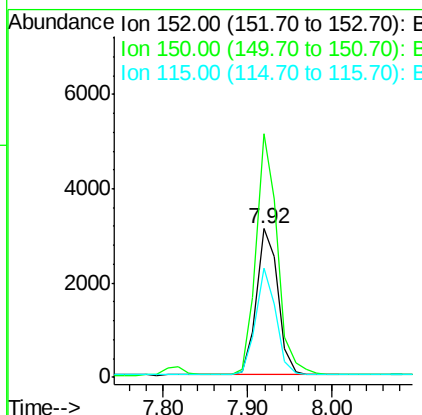
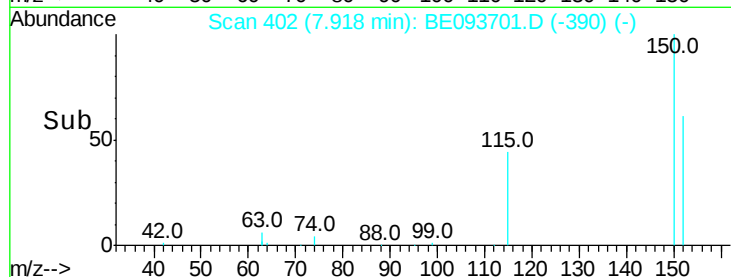
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. 0.00 min
Lab File: BE093701.D
Acq: 7 Aug 2017 15:07

Instrument :
BNA_E
ClientSampleId :
PB101176BS

Tot Ion:152 Resp: 5479
Ion Ratio Lower Upper
152 100
150 163.8 125.1 187.7
115 73.4 55.7 83.5



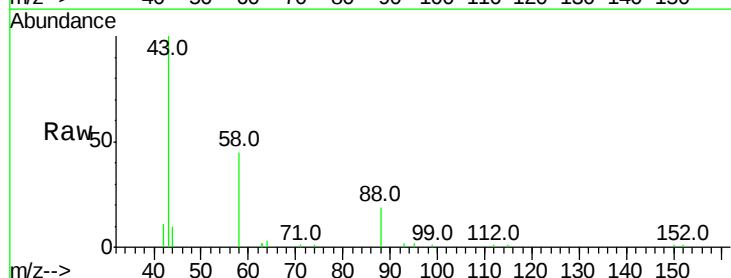
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



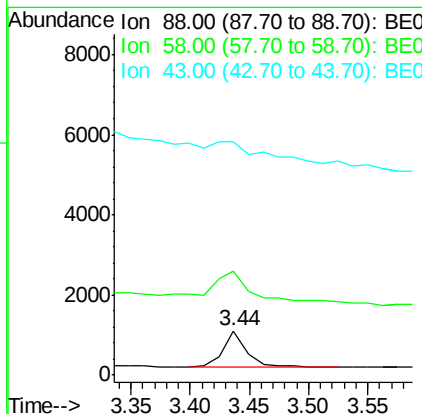
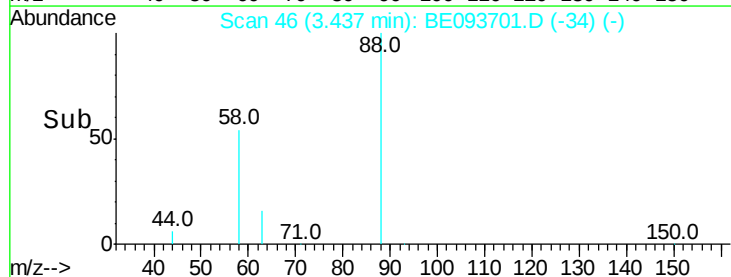
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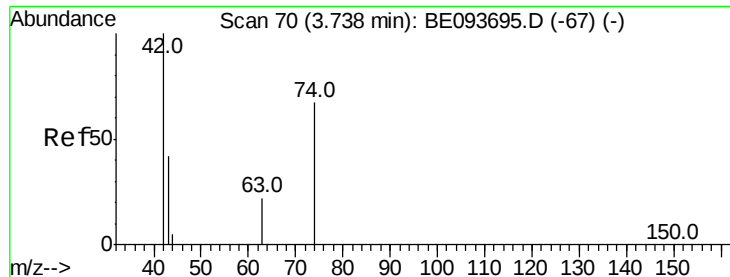
1,4-Dioxane
Concen: 0.154 ng
RT: 3.44 min Scan# 46
Delta R.T. 0.00 min
Lab File: BE093701.D
Acq: 7 Aug 2017 15:07

Tgt Ion: 88 Resp: 1267
Ion Ratio Lower Upper
88 100
58 156.0 62.2 93.4#
43 0.0 23.2 34.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0

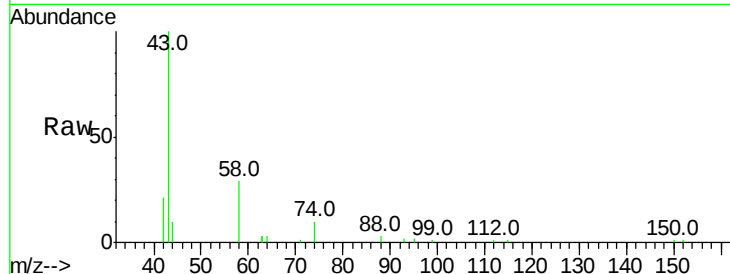




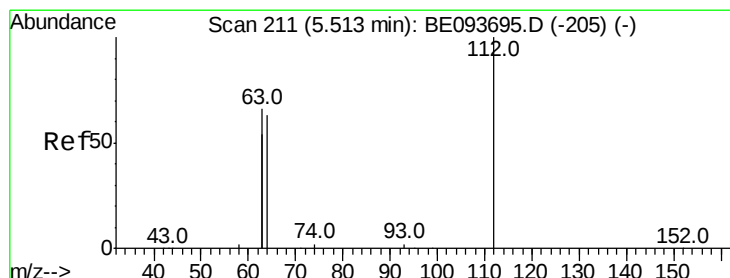
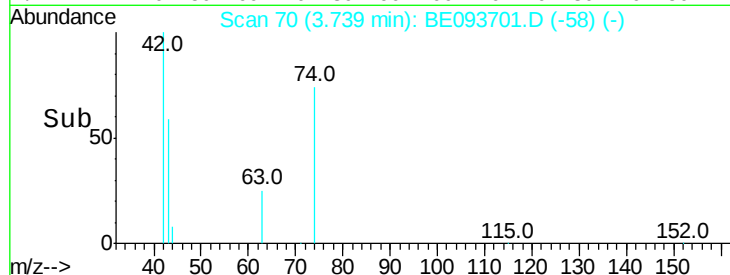
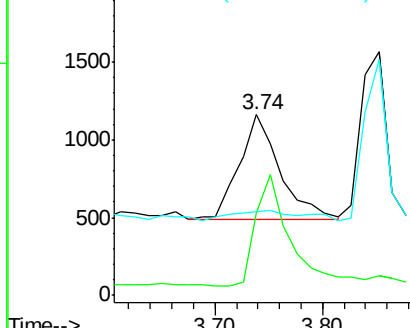
#3
n-Nitrosodimethylamine
Concen: 0.208 ng
RT: 3.74 min Scan# 70
Delta R.T. 0.00 min
Lab File: BE093701.D
Acq: 7 Aug 2017 15:07

Instrument :
BNA_E
ClientSampleId :
PB101176BS

Tot Ion: 42 Resp: 1778
Ion Ratio Lower Upper
42 100
74 91.1 99.1 148.7#
44 18.3 7.4 11.2#

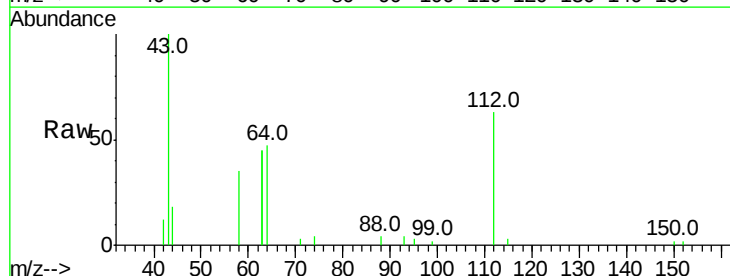


Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0

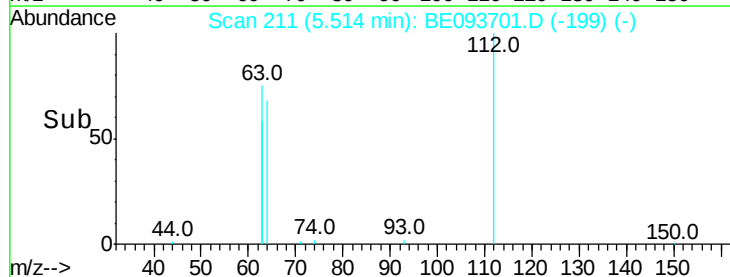
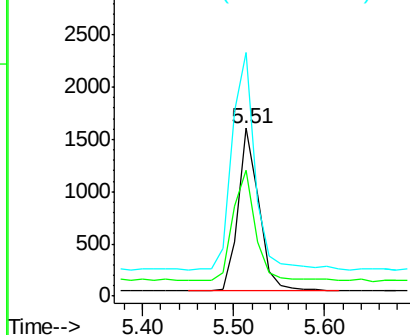


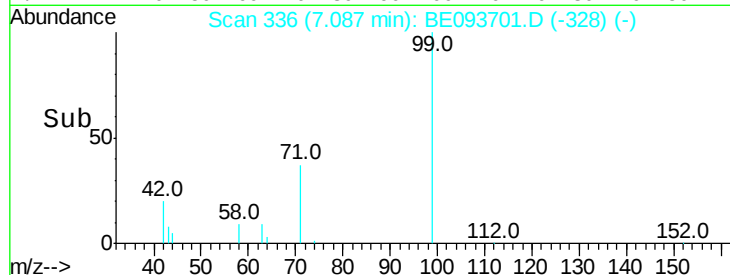
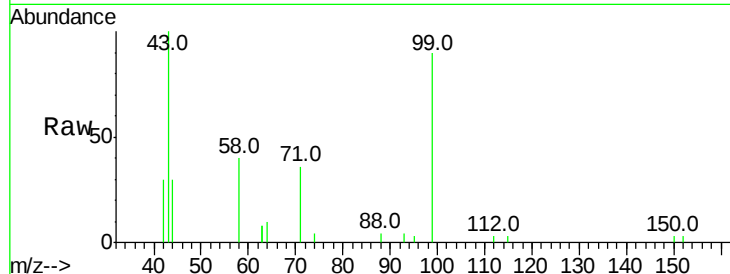
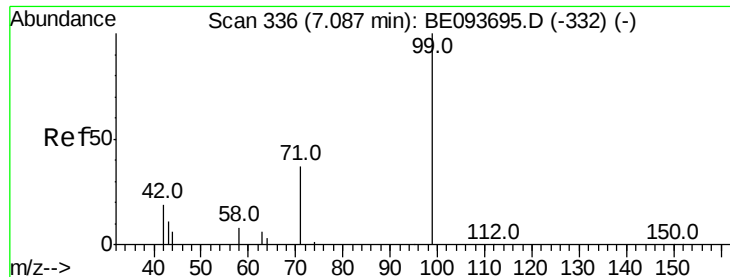
#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.51 min Scan# 211
Delta R.T. 0.00 min
Lab File: BE093701.D
Acq: 7 Aug 2017 15:07

Tgt Ion: 112 Resp: 2494
Ion Ratio Lower Upper
112 100
64 73.9 56.4 84.6
63 145.0 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: 0.126 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

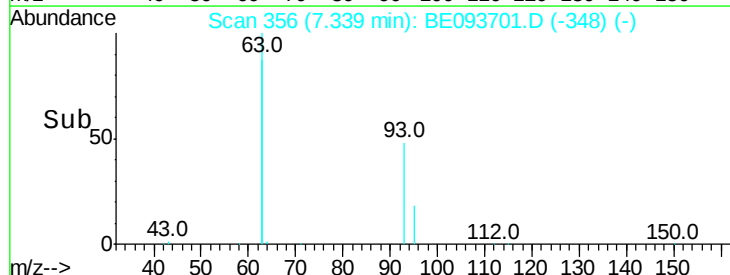
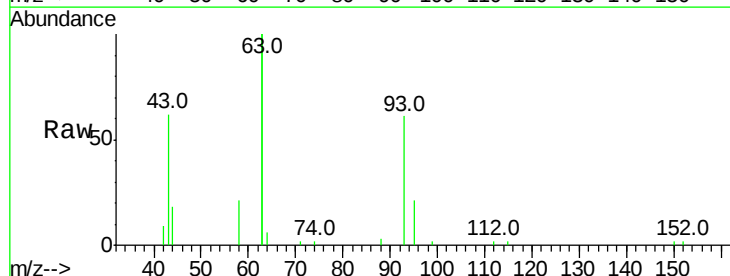
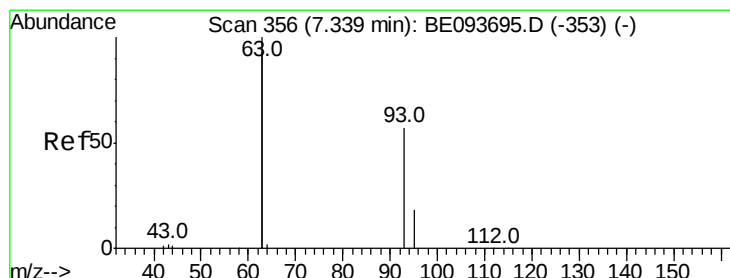
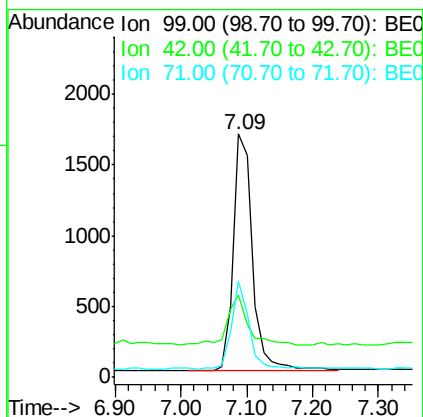
Tot Ion: 99 Resp: 3414

Ion Ratio Lower Upper

99 100

42 22.6 0.0 0.0#

71 32.9 0.0 0.0#



#6

bis(2-Chloroethyl)ether

Concen: 0.128 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

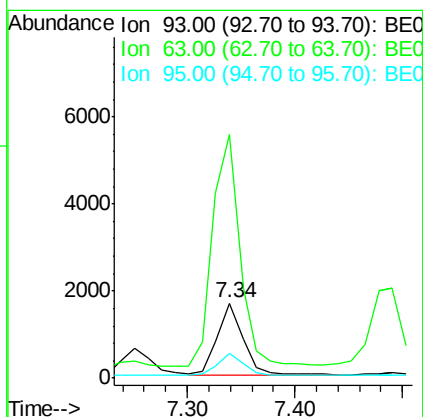
Tgt Ion: 93 Resp: 2683

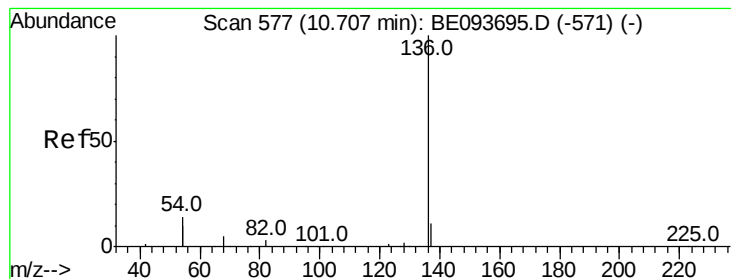
Ion Ratio Lower Upper

93 100

63 349.2 0.0 0.0#

95 32.5 25.4 38.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

Tot Ion:136 Resp: 23988

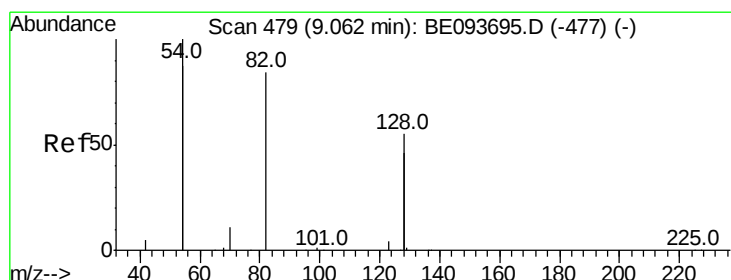
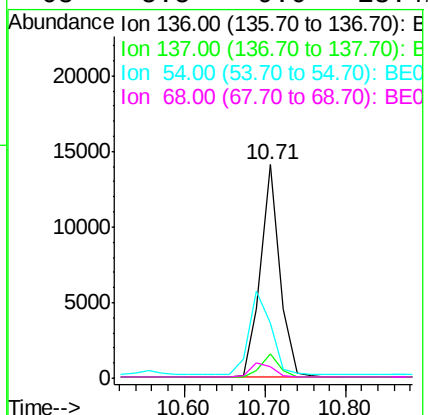
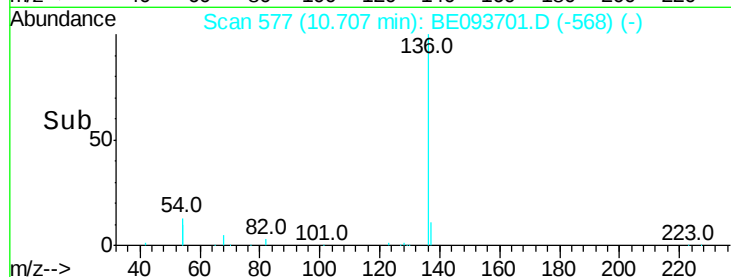
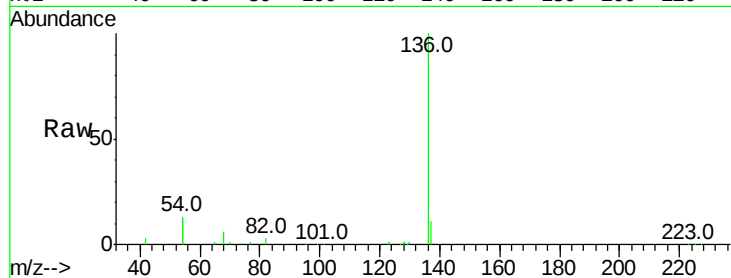
Ion Ratio Lower Upper

136 100

137 11.2 9.8 14.8

54 26.0 10.3 15.5#

68 5.5 9.0 13.4#



#8

Nitrobenzene-d5

Concen: 0.128 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

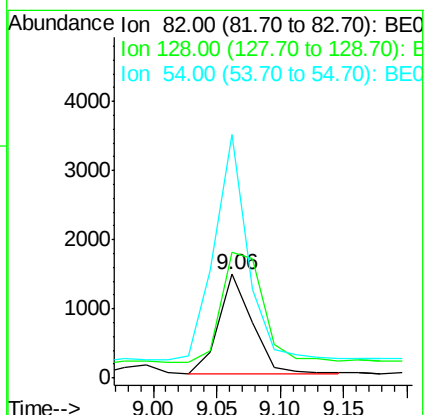
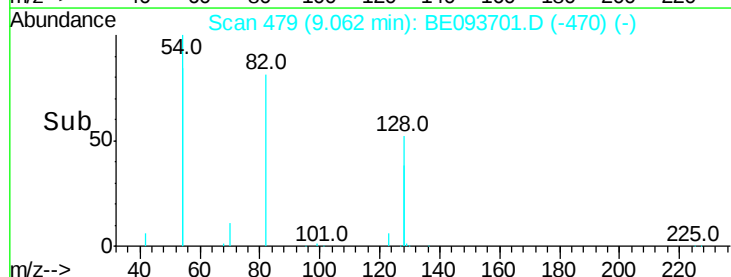
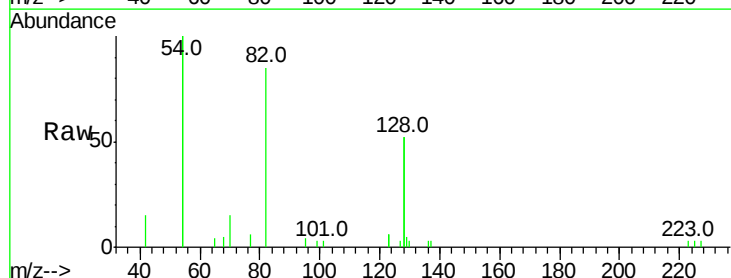
Tgt Ion: 82 Resp: 2623

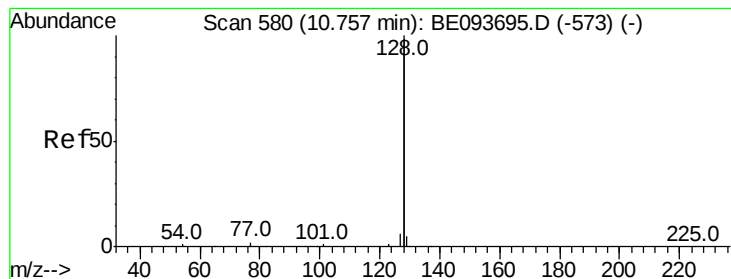
Ion Ratio Lower Upper

82 100

128 121.4 17.0 25.4#

54 235.0 53.8 80.6#





#9

Naphthalene

Concen: 0.127 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

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ClientSampleId :

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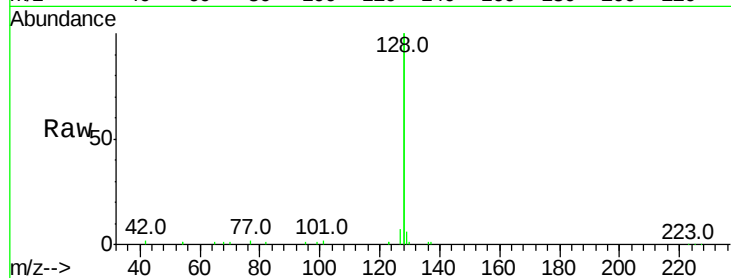
Tot Ion:128 Resp: 34922

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

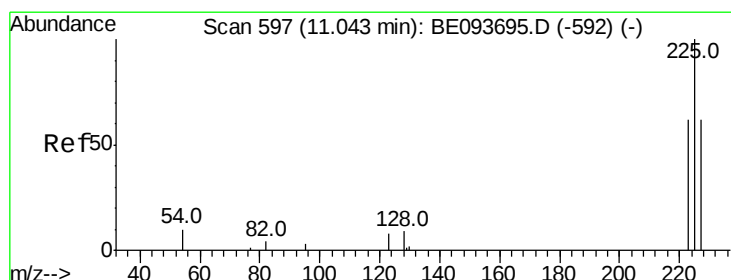
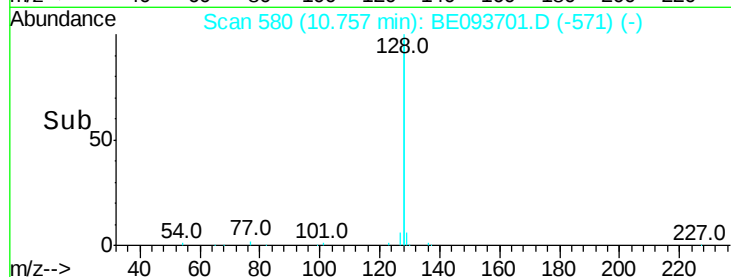
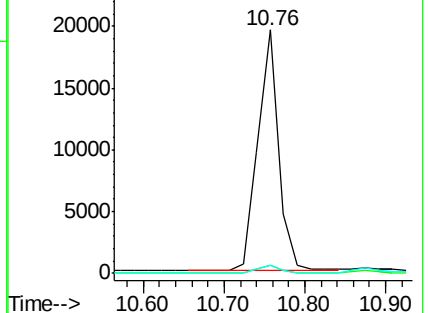
127 3.4 2.4 3.6



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: 0.131 ng

RT: 11.04 min Scan# 597

Delta R.T. -0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

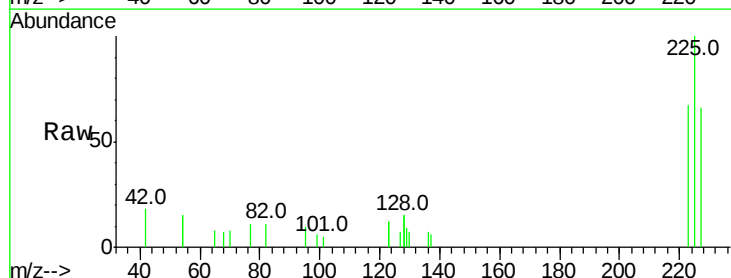
Tgt Ion:225 Resp: 1340

Ion Ratio Lower Upper

225 100

223 63.2 49.7 74.5

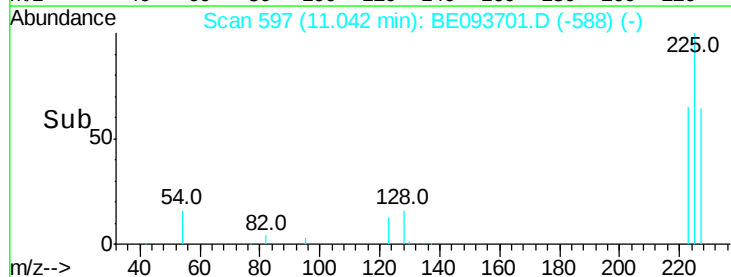
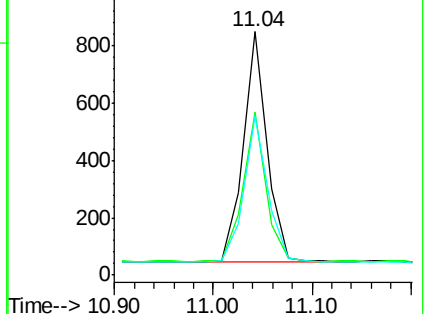
227 64.6 50.3 75.5

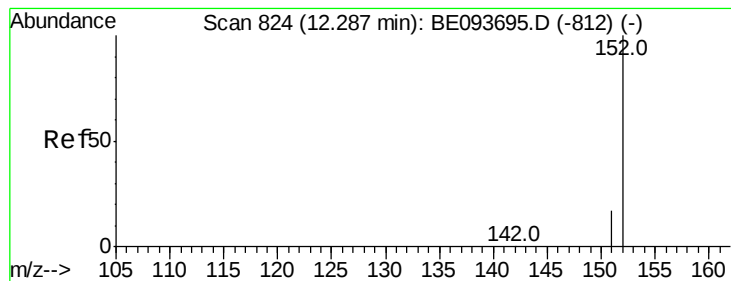


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.129 ng

RT: 12.29 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

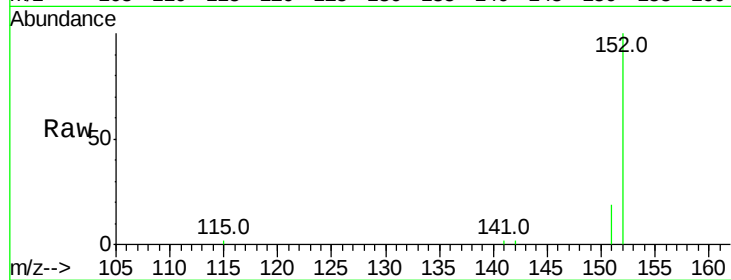
PB101176BS

Tot Ion:152 Resp: 4988

Ion Ratio Lower Upper

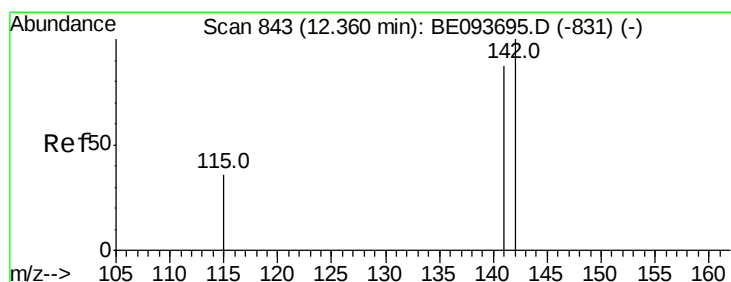
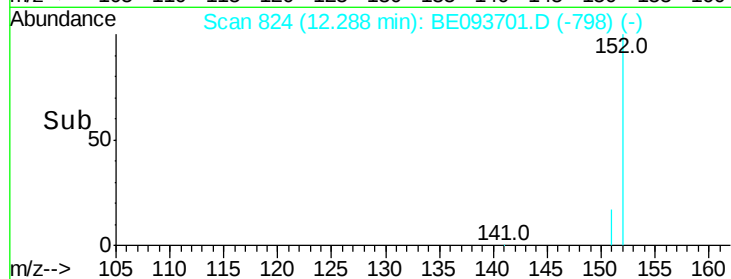
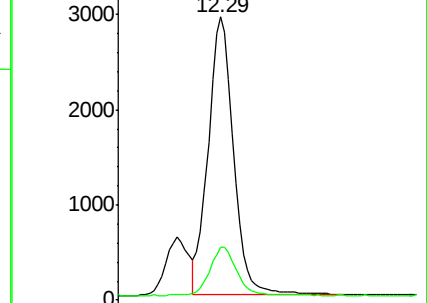
152 100

151 18.5 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.124 ng

RT: 12.36 min Scan# 843

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

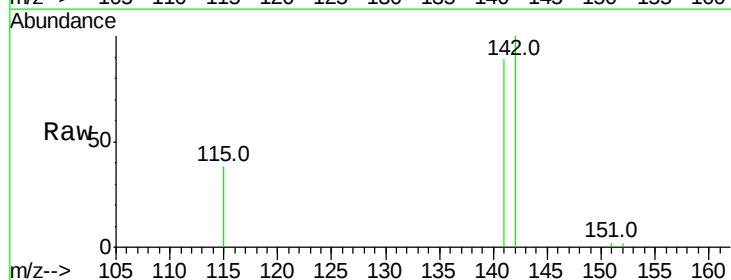
Tgt Ion:142 Resp: 5750

Ion Ratio Lower Upper

142 100

141 88.7 72.6 108.8

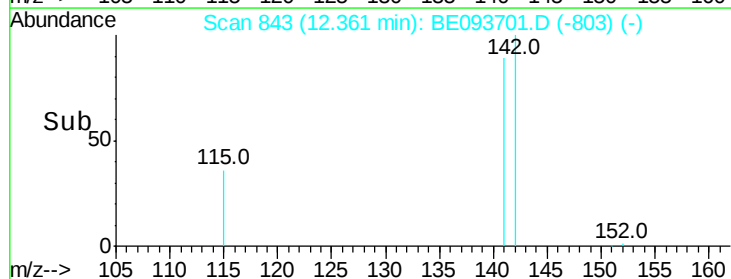
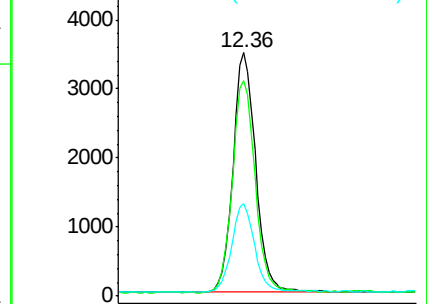
115 37.8 32.2 48.2

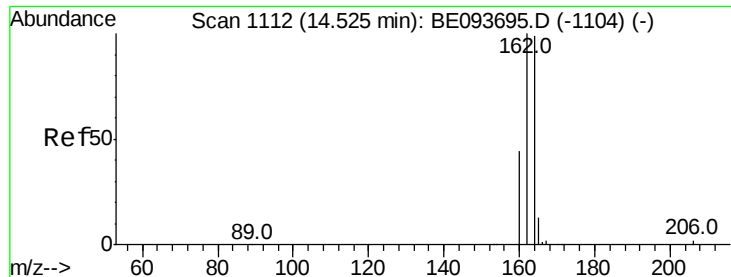


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

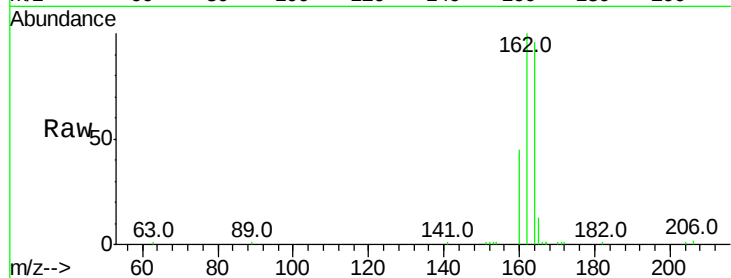
Tot Ion:164 Resp: 12203

Ion Ratio Lower Upper

164 100

162 104.0 84.6 127.0

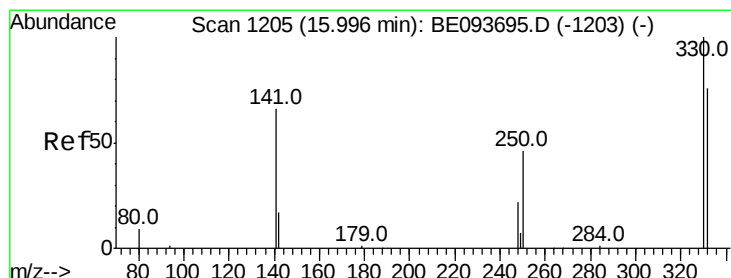
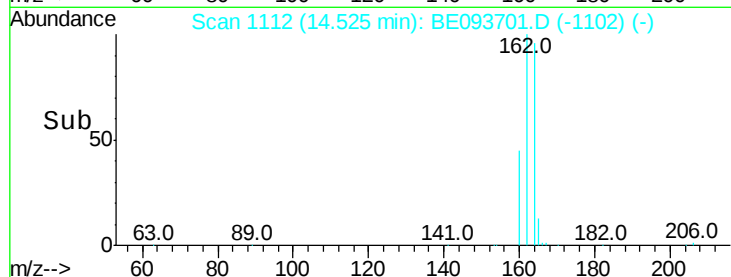
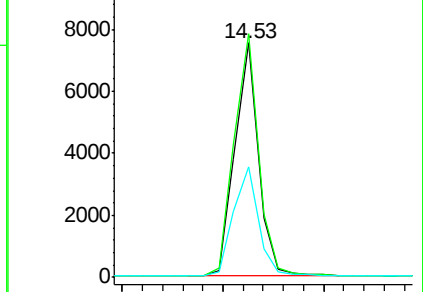
160 46.9 41.8 62.6



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: 0.122 ng

RT: 16.00 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

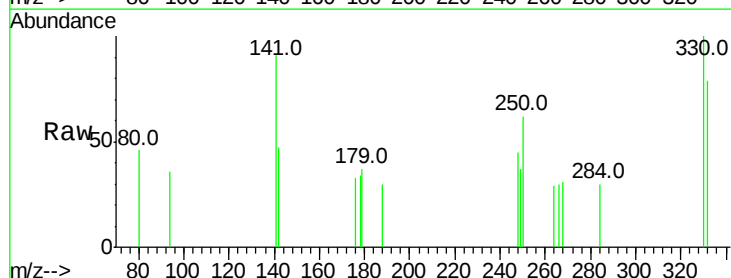
Tgt Ion:330 Resp: 407

Ion Ratio Lower Upper

330 100

332 0.0 77.7 116.5#

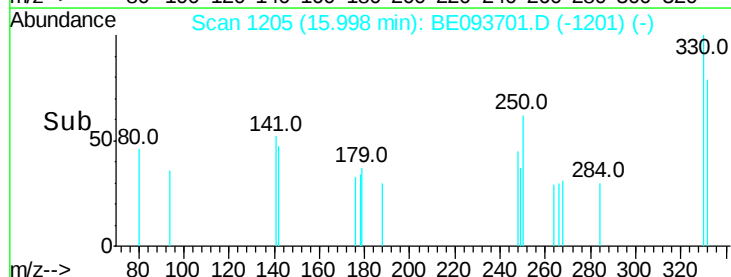
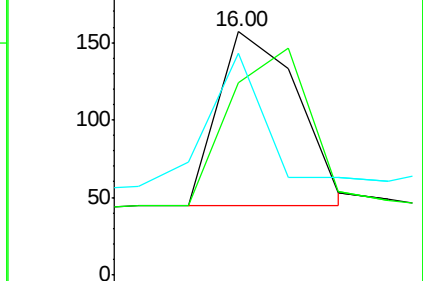
141 51.8 56.2 84.4#

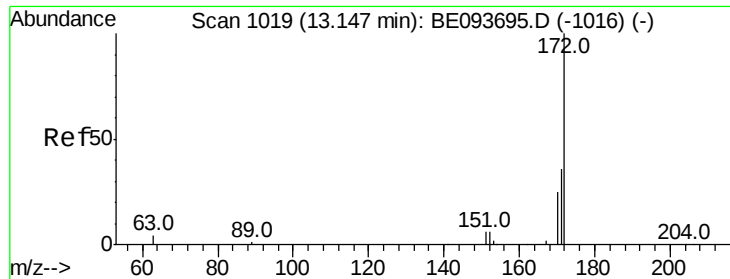


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

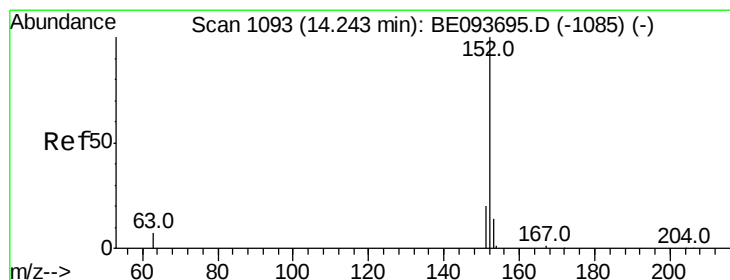
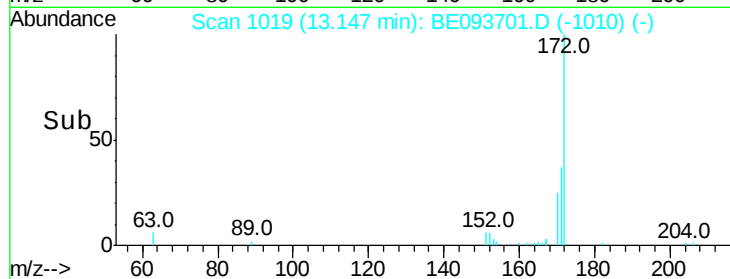
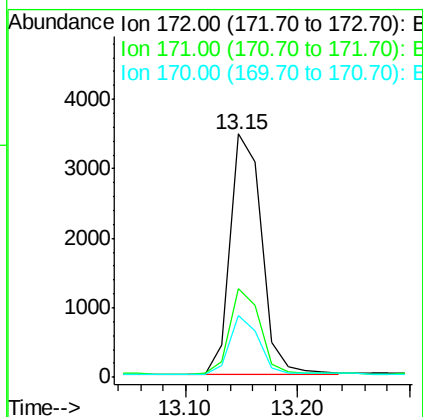
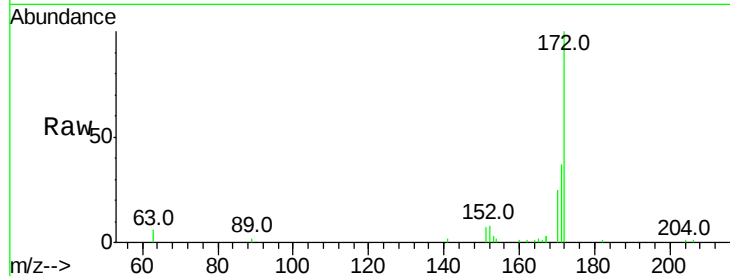




#15
2-Fluorobiphenyl
Concen: 0.141 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE093701.D
Acq: 7 Aug 2017 15:07

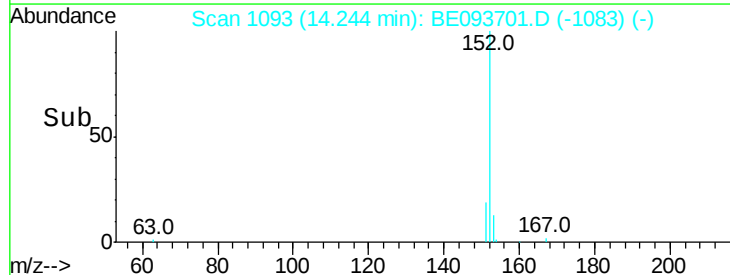
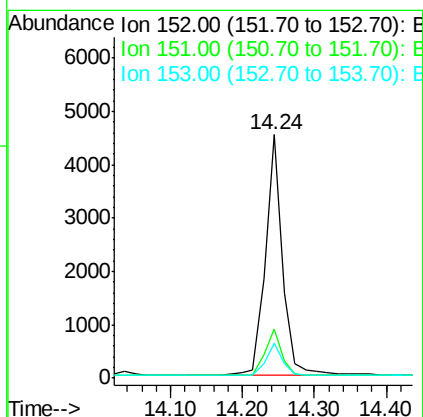
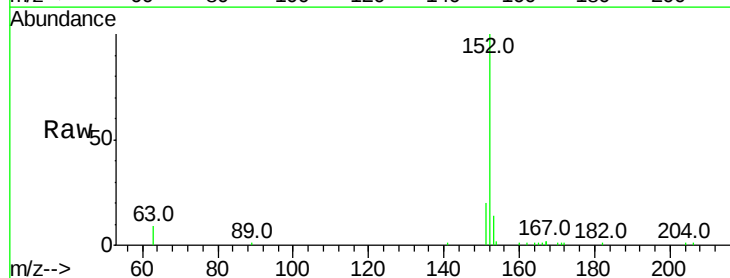
Instrument :
BNA_E
ClientSampleId :
PB101176BS

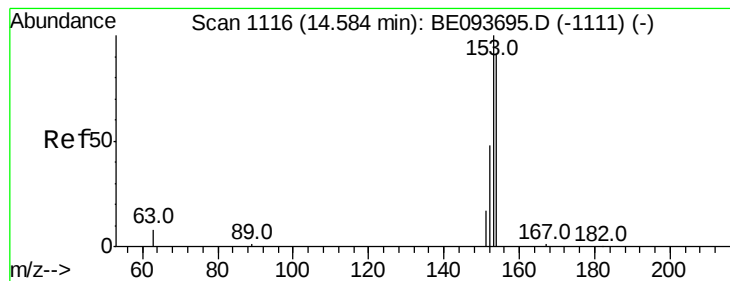
Tot Ion:172 Resp: 6780
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 25.1 20.7 31.1



#16
Acenaphthylene
Concen: 0.123 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093701.D
Acq: 7 Aug 2017 15:07

Tgt Ion:152 Resp: 7554
Ion Ratio Lower Upper
152 100
151 19.5 4.0 6.0#
153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 0.128 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

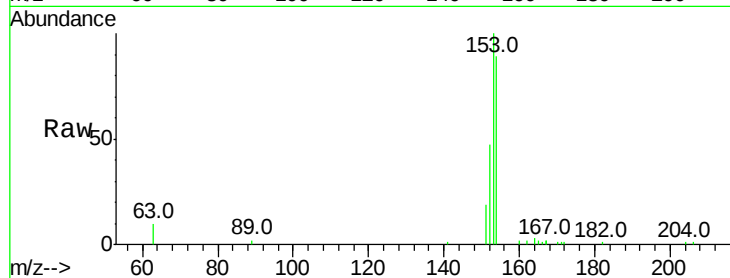
Tot Ion:154 Resp: 5307

Ion Ratio Lower Upper

154 100

153 115.2 91.2 136.8

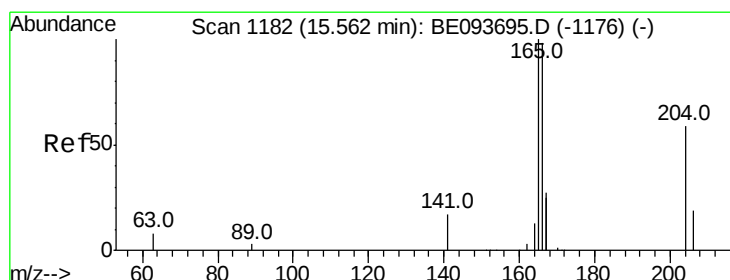
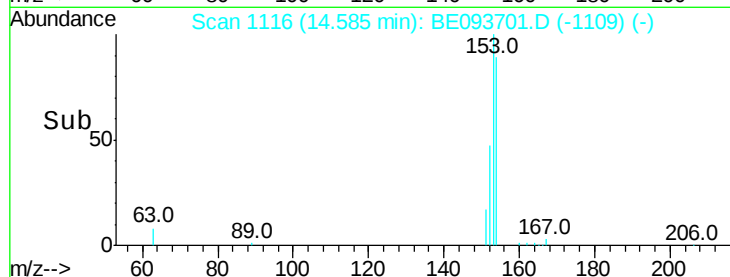
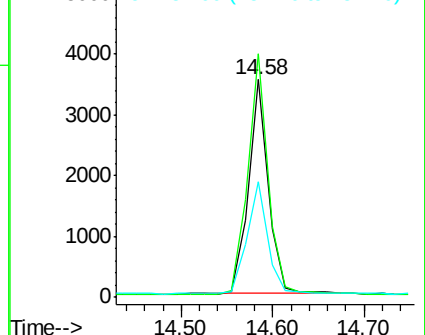
152 54.9 44.8 67.2



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: 0.129 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

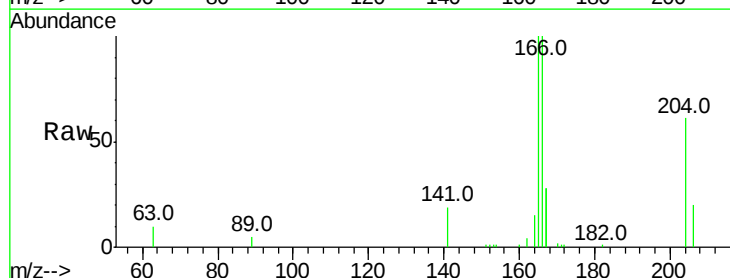
Tgt Ion:166 Resp: 6897

Ion Ratio Lower Upper

166 100

165 97.5 78.6 117.8

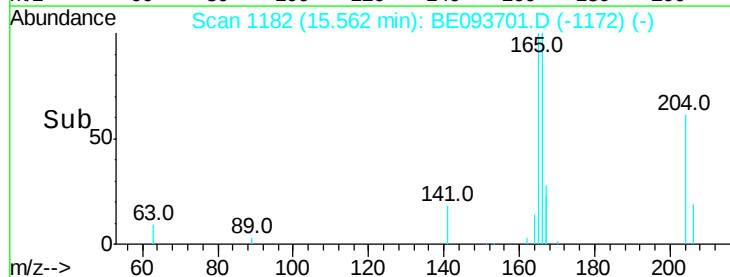
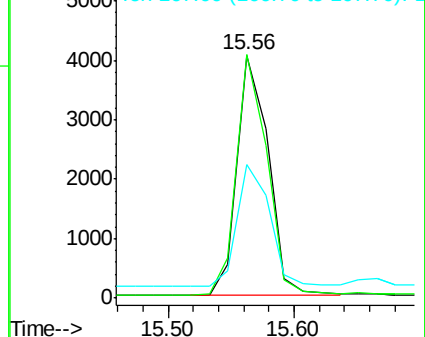
167 54.0 11.1 16.7#

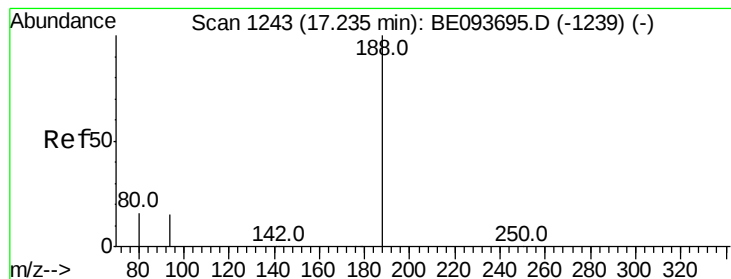


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

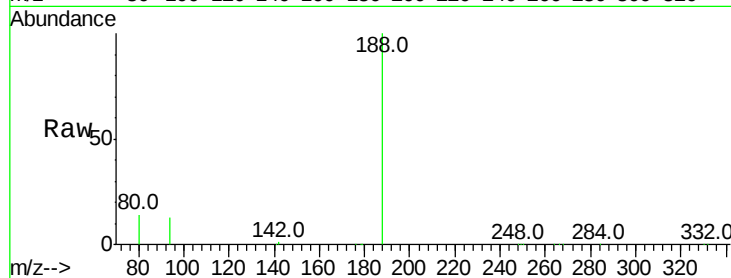
Tot Ion:188 Resp: 35911

Ion Ratio Lower Upper

188 100

94 13.1 11.3 16.9

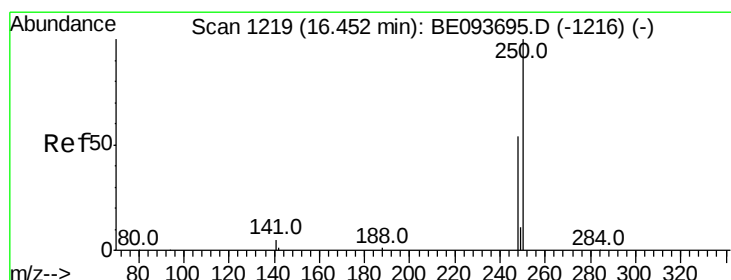
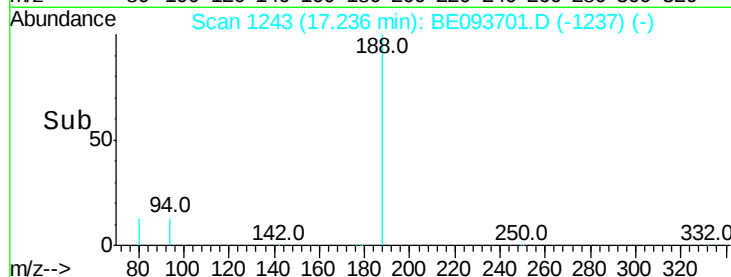
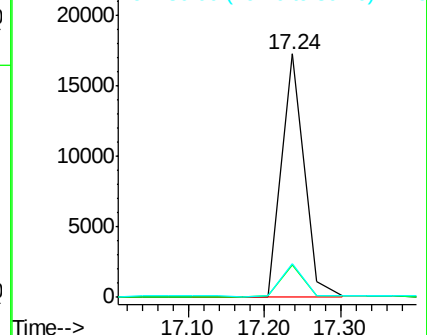
80 13.8 11.7 17.5



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: 0.119 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

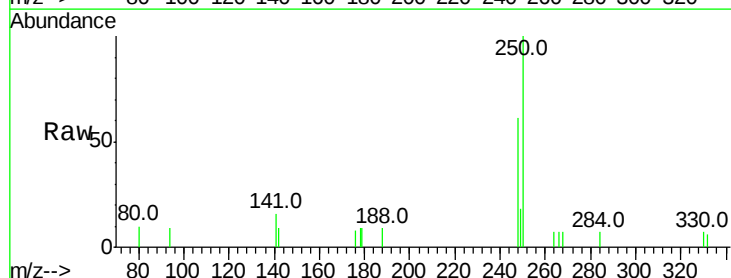
Tgt Ion:248 Resp: 1207

Ion Ratio Lower Upper

248 100

250 163.6 128.0 192.0

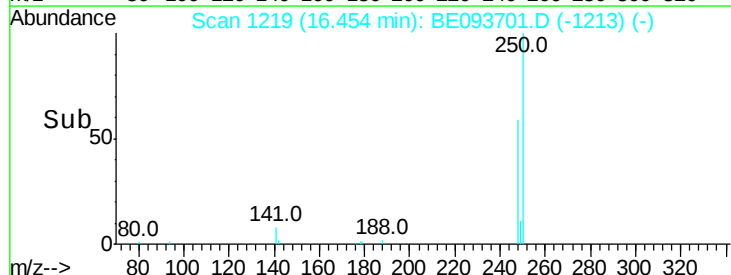
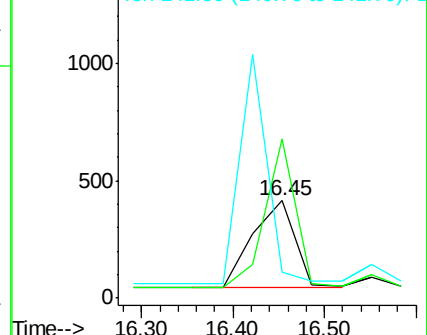
141 27.0 12.0 18.0#

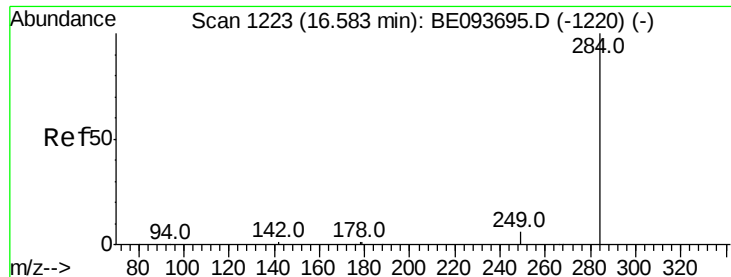


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.113 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

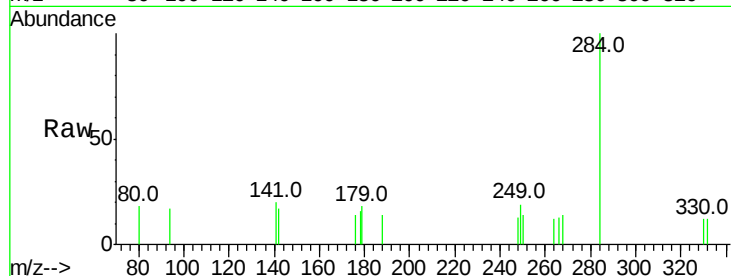
Tot Ion:284 Resp: 1224

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

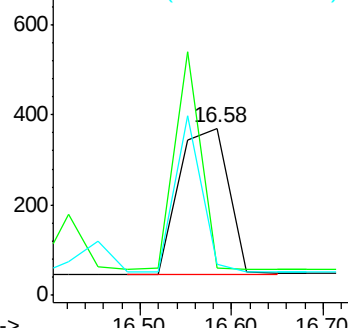
249 0.0 0.0 0.0



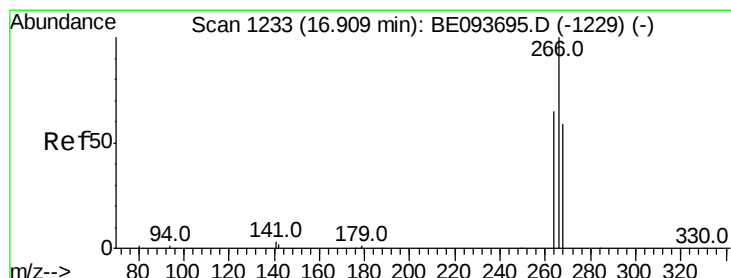
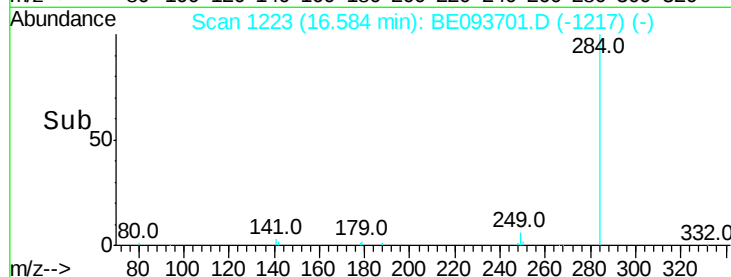
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.206 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

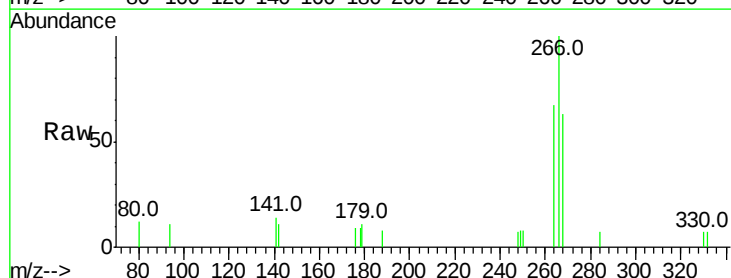
Tgt Ion:266 Resp: 1561

Ion Ratio Lower Upper

266 100

264 66.7 56.0 84.0

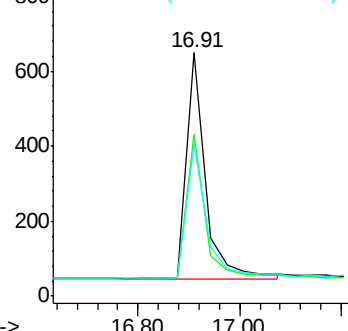
268 62.6 52.0 78.0



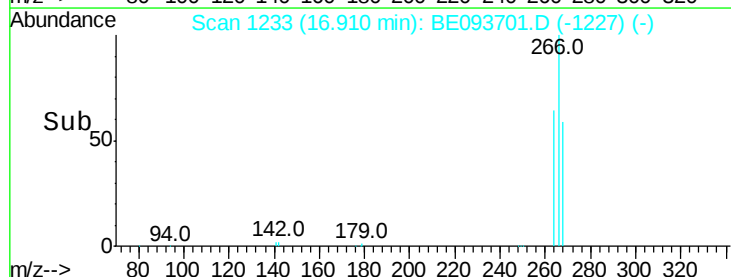
Abundance Ion 266.00 (265.70 to 266.70): E

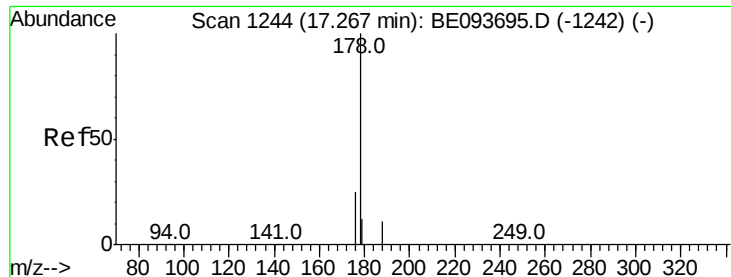
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.128 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

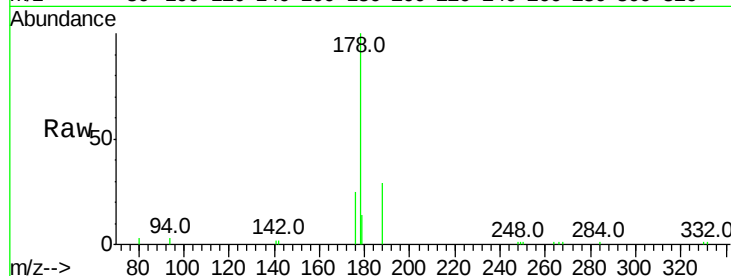
Tot Ion:178 Resp: 9756

Ion Ratio Lower Upper

178 100

176 21.8 15.0 22.4

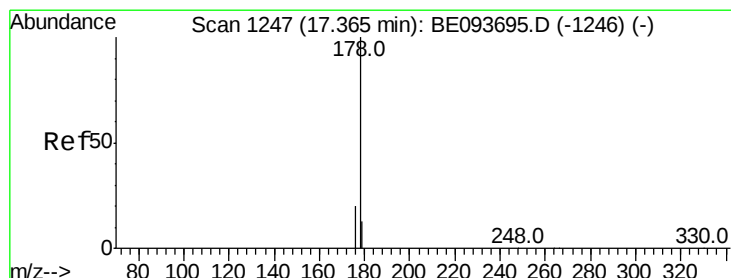
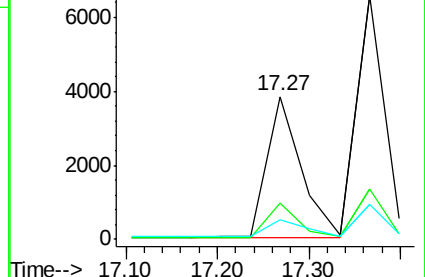
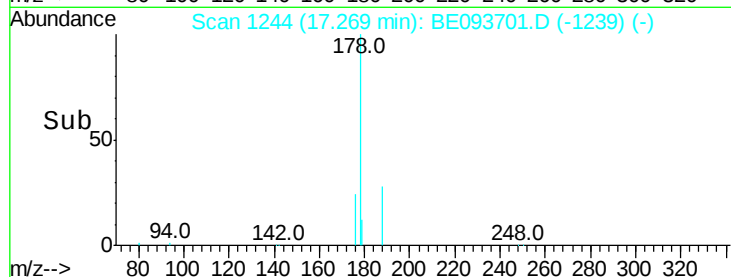
179 0.0 12.7 19.1#



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: 0.117 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

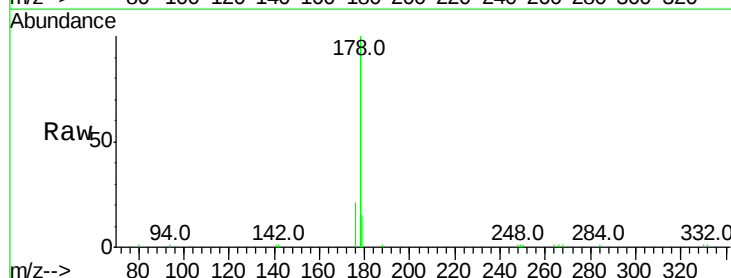
Tgt Ion:178 Resp: 13629

Ion Ratio Lower Upper

178 100

176 19.9 14.6 22.0

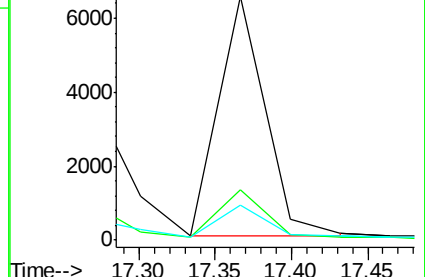
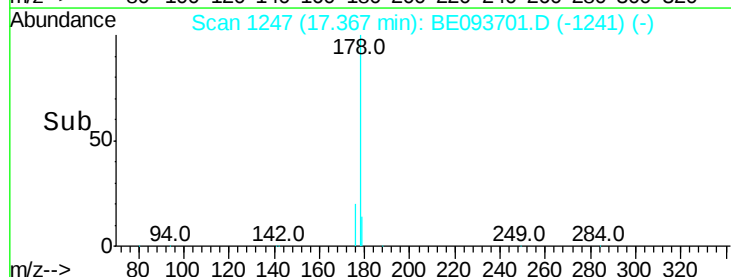
179 23.6 12.0 18.0#

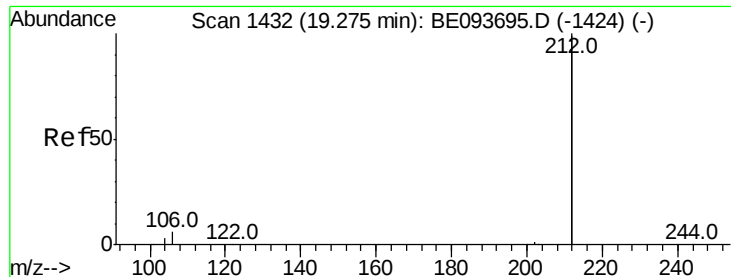


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.131 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

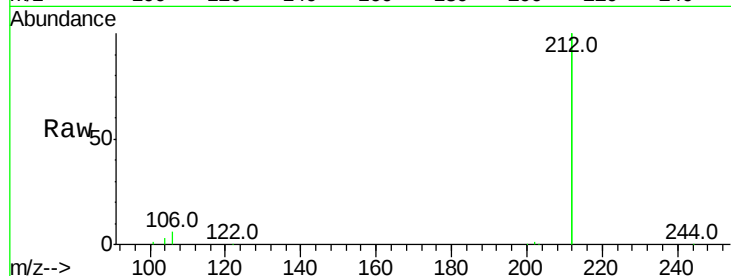
Tot Ion:212 Resp: 53484

Ion Ratio Lower Upper

212 100

106 3.4 2.4 3.6

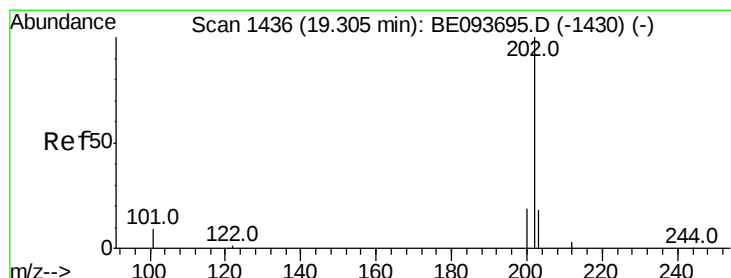
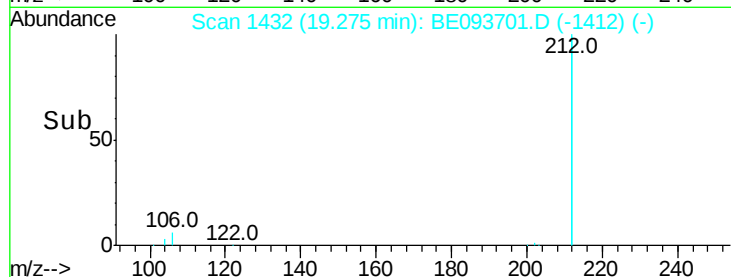
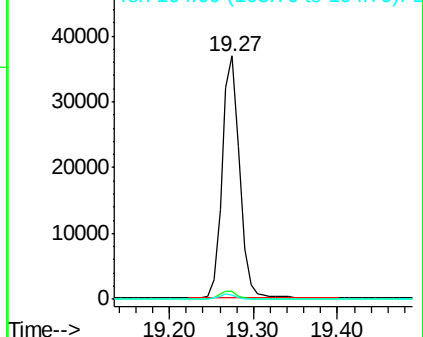
104 1.9 1.6 2.4



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: 0.127 ng

RT: 19.30 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

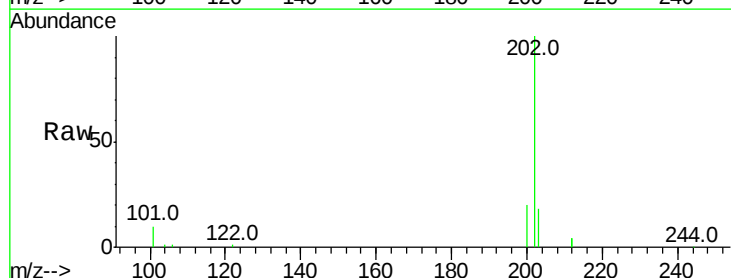
Tgt Ion:202 Resp: 15915

Ion Ratio Lower Upper

202 100

101 12.2 9.6 14.4

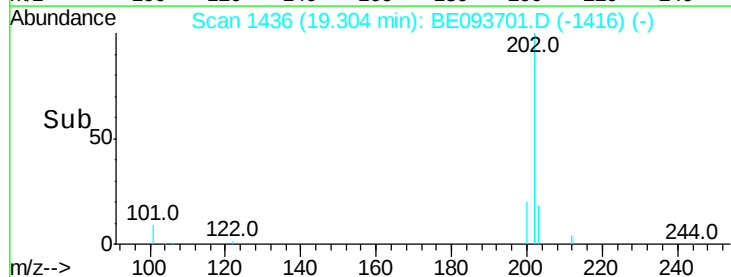
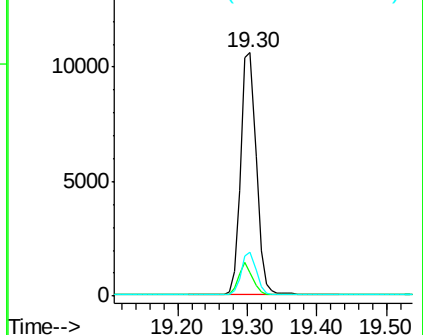
203 16.8 14.4 21.6

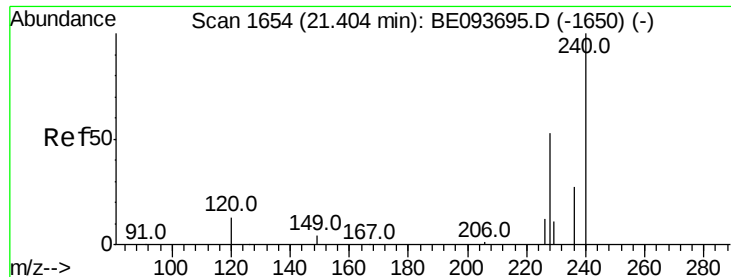


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

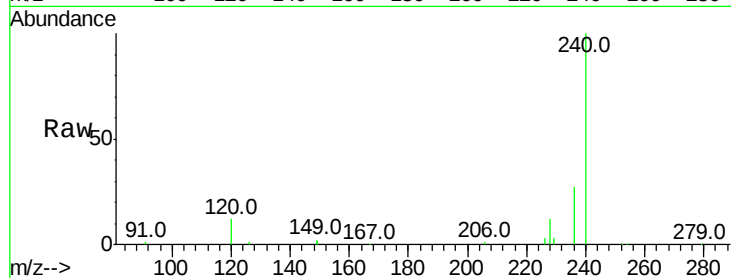
Tot Ion:240 Resp: 40349

Ion Ratio Lower Upper

240 100

120 11.9 4.6 7.0#

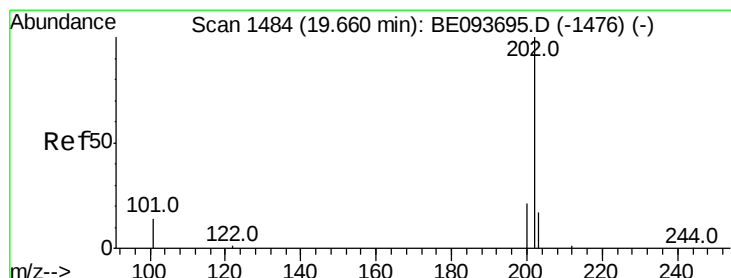
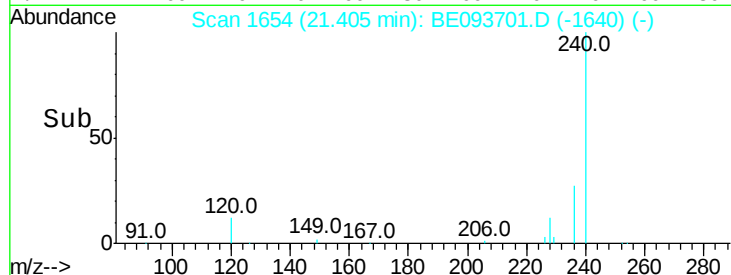
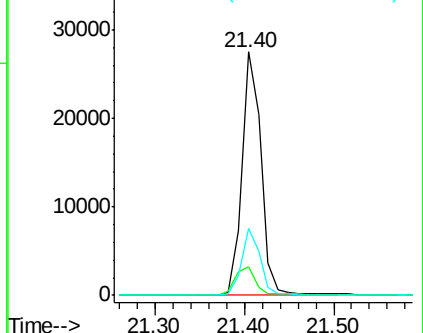
236 27.4 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.120 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

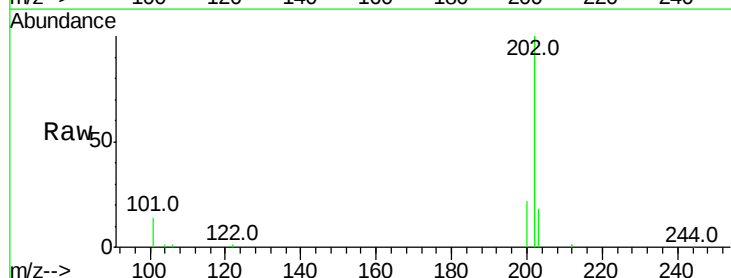
Tgt Ion:202 Resp: 15867

Ion Ratio Lower Upper

202 100

200 20.7 0.0 0.0#

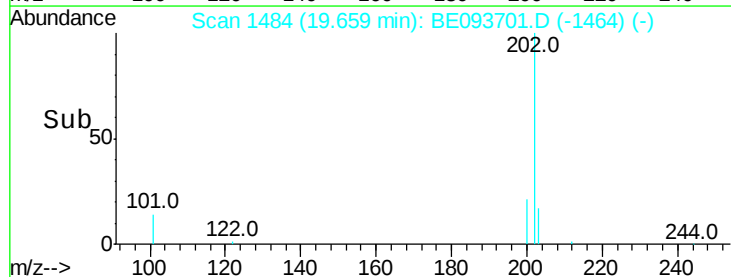
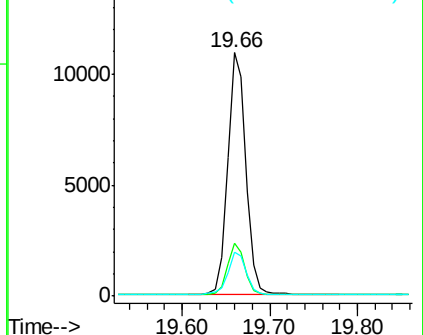
203 17.9 13.7 20.5

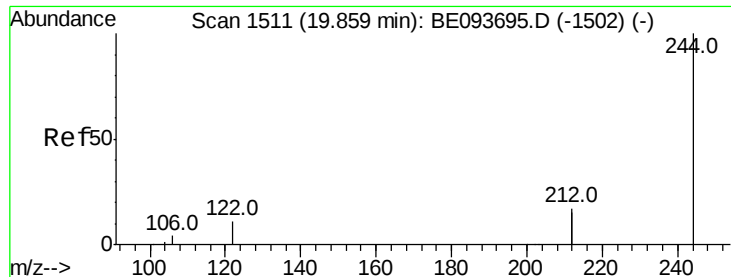


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.134 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

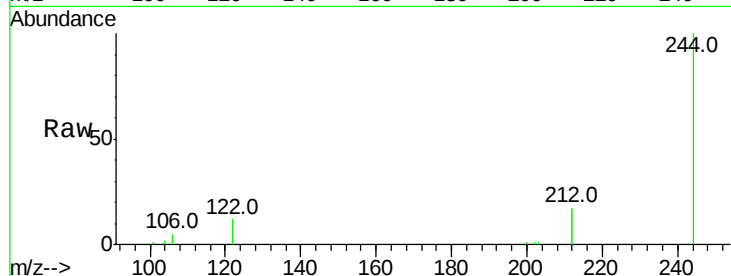
Tot Ion:244 Resp: 9655

Ion Ratio Lower Upper

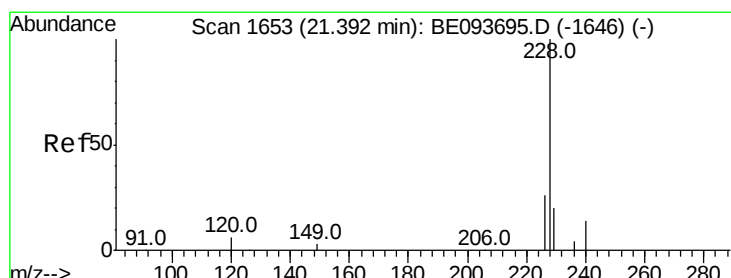
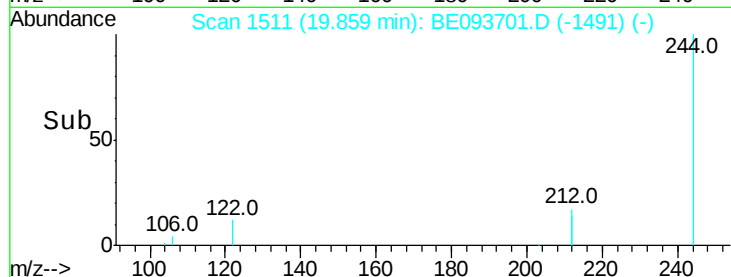
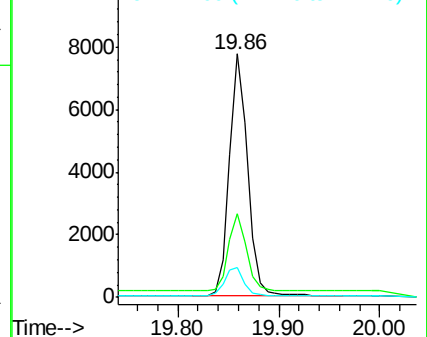
244 100

212 34.4 10.6 16.0#

122 12.3 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: 0.126 ng

RT: 21.39 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

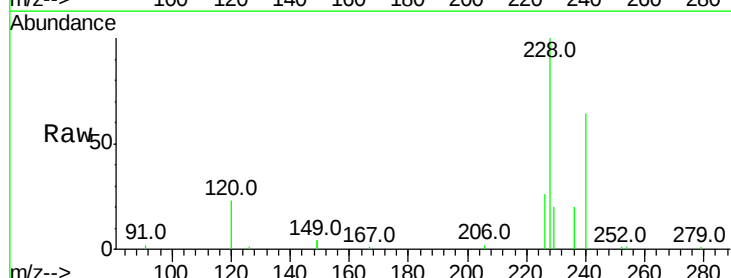
Tgt Ion:228 Resp: 16122

Ion Ratio Lower Upper

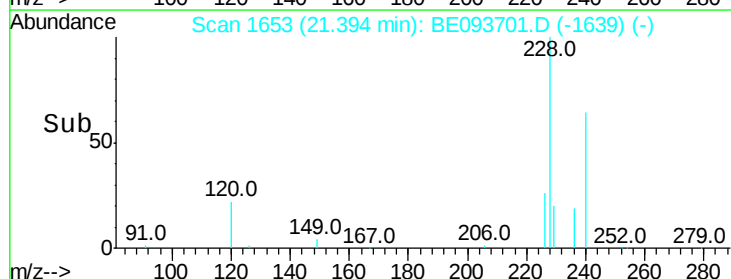
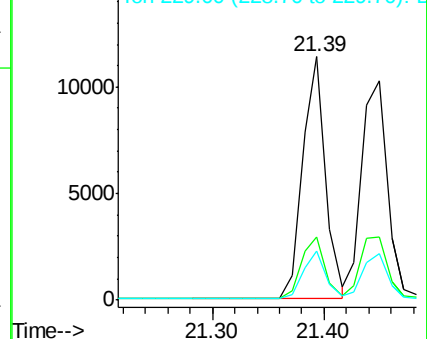
228 100

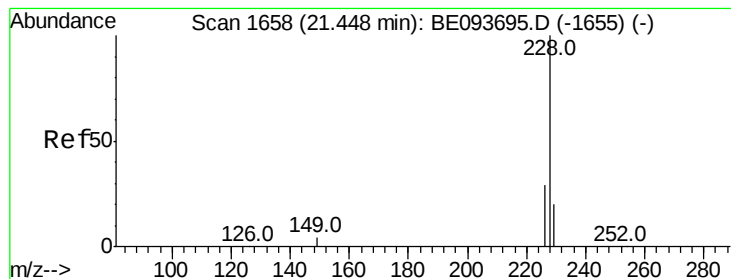
226 26.1 19.7 29.5

229 20.2 19.2 28.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.127 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

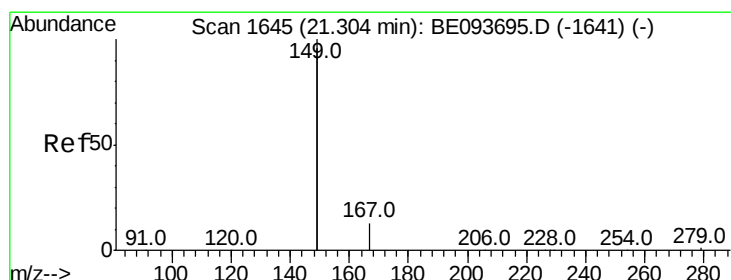
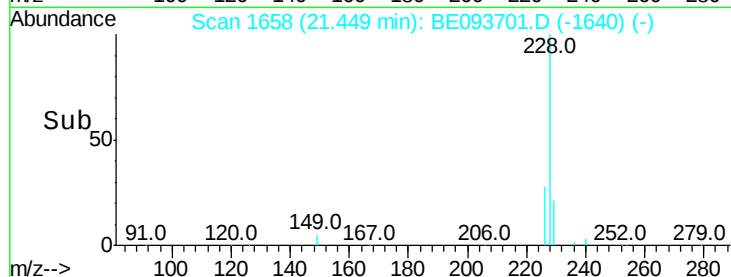
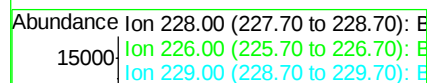
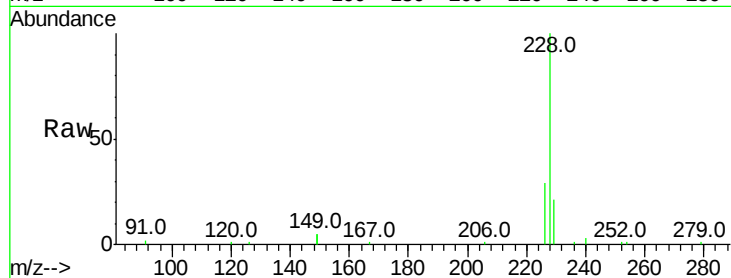
Tot Ion:228 Resp: 16559

Ion Ratio Lower Upper

228 100

226 28.8 21.5 32.3

229 21.1 18.6 28.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.097 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

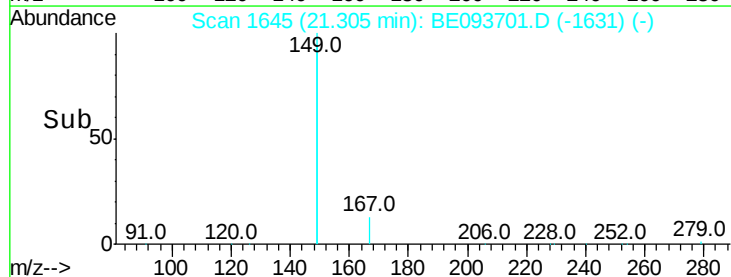
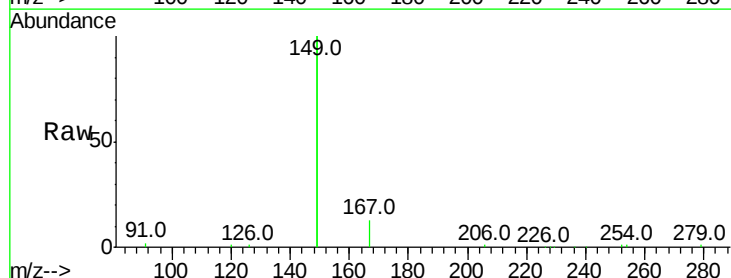
Tgt Ion:149 Resp: 26512

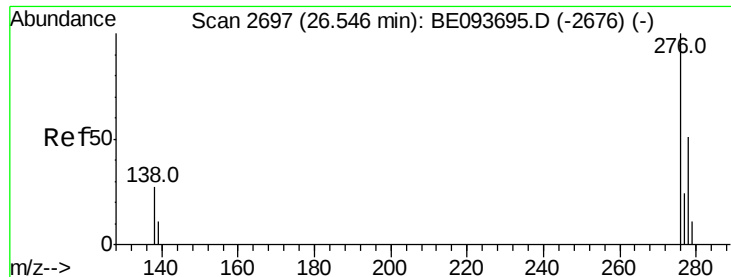
Ion Ratio Lower Upper

149 100

167 6.6 4.8 7.2

279 0.9 0.8 1.2





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.124 ng

RT: 26.55 min Scan# 2698

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

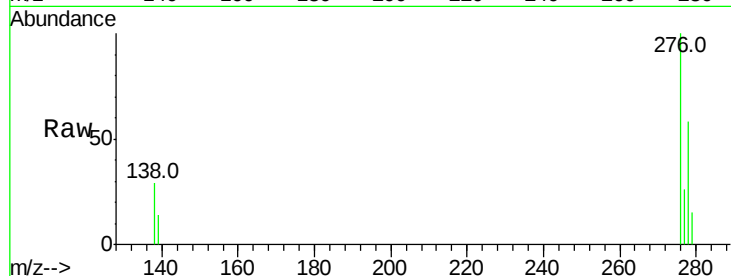
Tot Ion:276 Resp: 15625

Ion Ratio Lower Upper

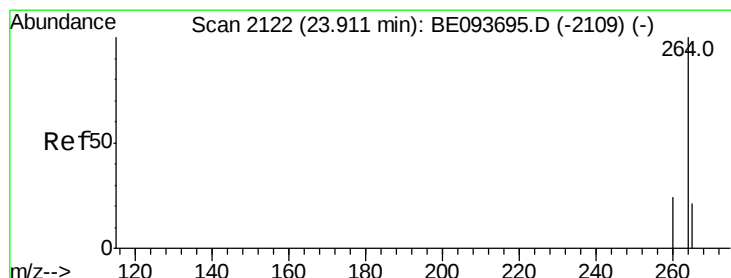
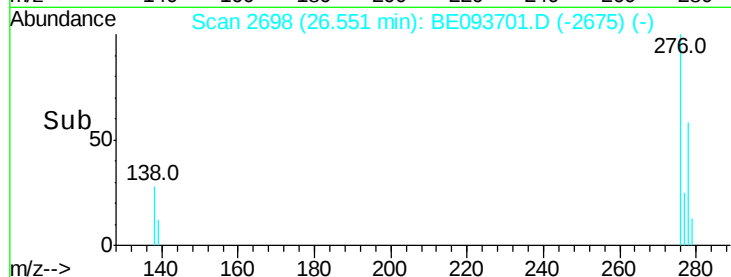
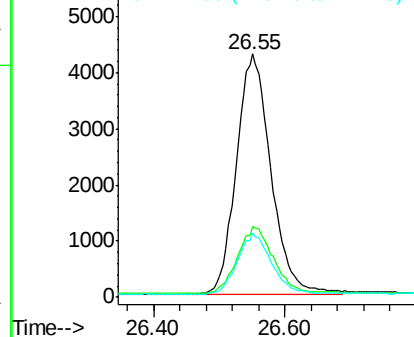
276 100

138 28.8 27.4 41.2

277 24.9 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: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

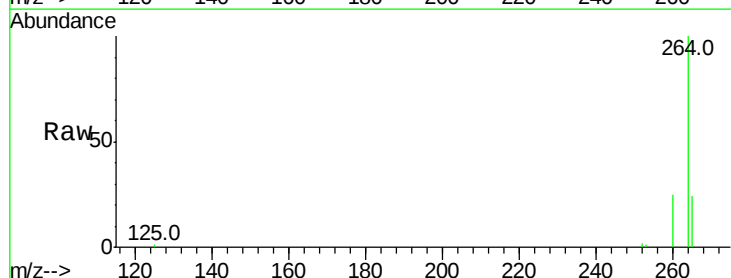
Tgt Ion:264 Resp: 31200

Ion Ratio Lower Upper

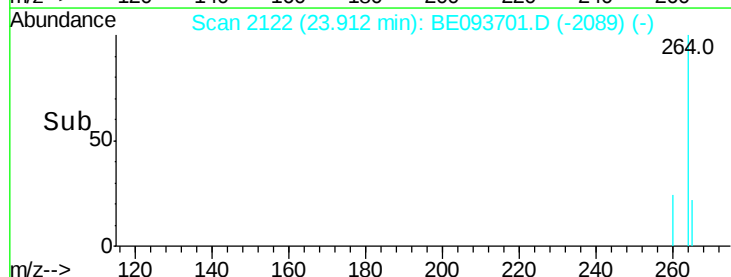
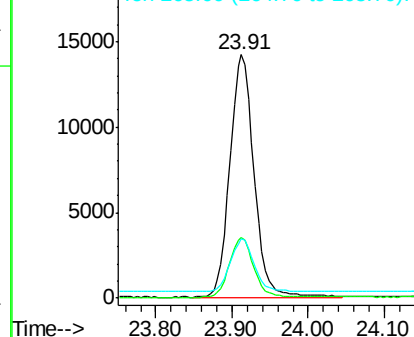
264 100

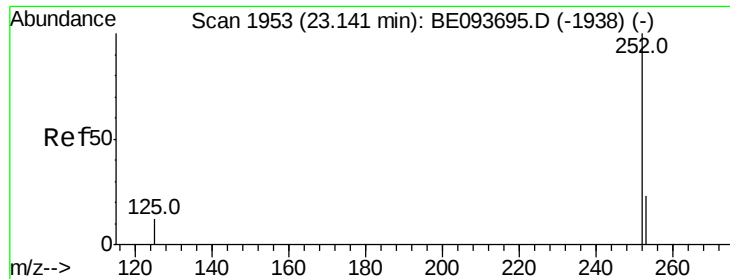
260 24.7 21.0 31.4

265 24.1 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: 0.144 ng

RT: 23.14 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

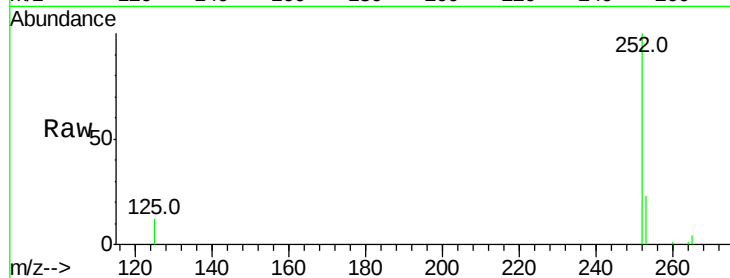
Tot Ion:252 Resp: 15606

Ion Ratio Lower Upper

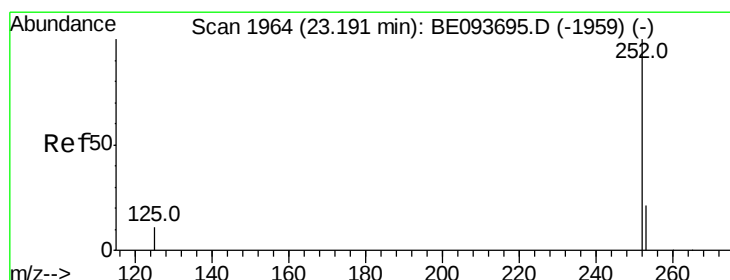
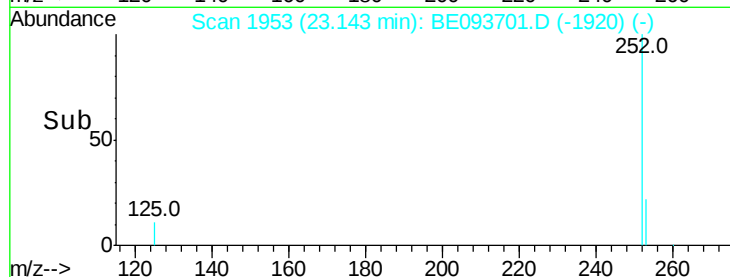
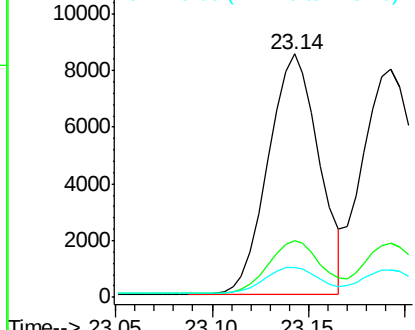
252 100

253 23.3 18.5 27.7

125 12.5 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: 0.144 ng

RT: 23.14 min Scan# 1953

Delta R.T. -0.05 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

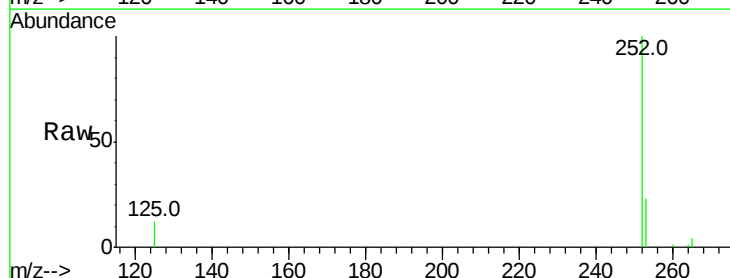
Tgt Ion:252 Resp: 15606

Ion Ratio Lower Upper

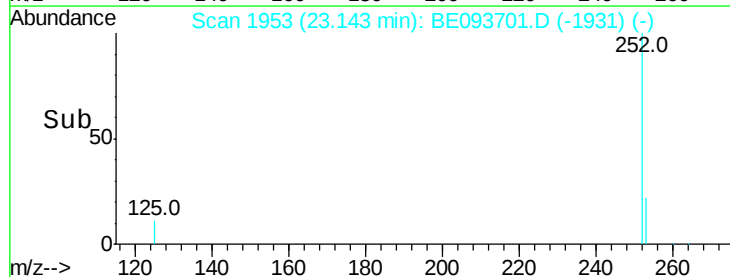
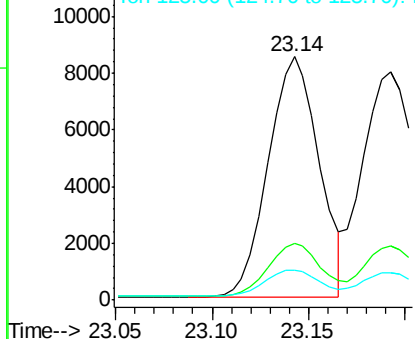
252 100

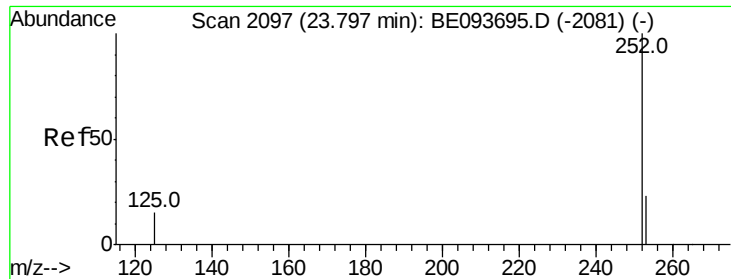
253 23.3 20.3 30.5

125 12.5 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: 0.132 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS

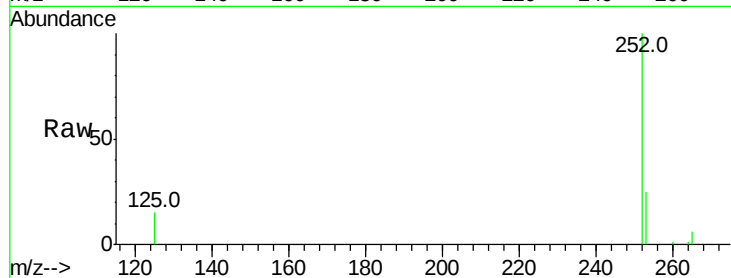
Tot Ion:252 Resp: 13493

Ion Ratio Lower Upper

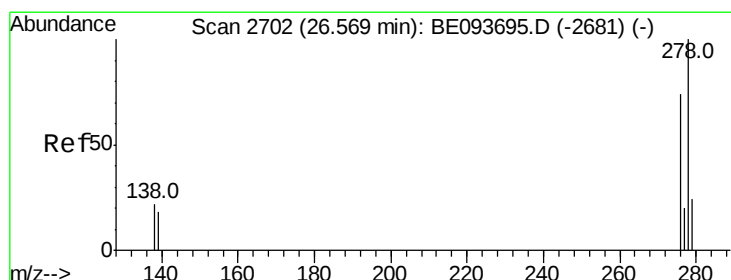
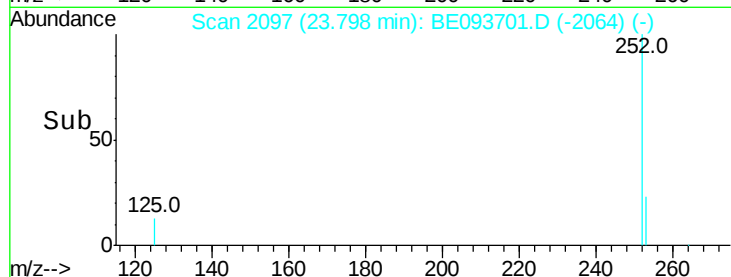
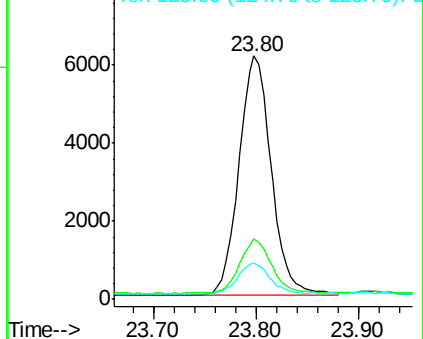
252 100

253 24.9 19.9 29.9

125 15.0 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: 0.142 ng

RT: 26.57 min Scan# 2703

Delta R.T. 0.00 min

Lab File: BE093701.D

Acq: 7 Aug 2017 15:07

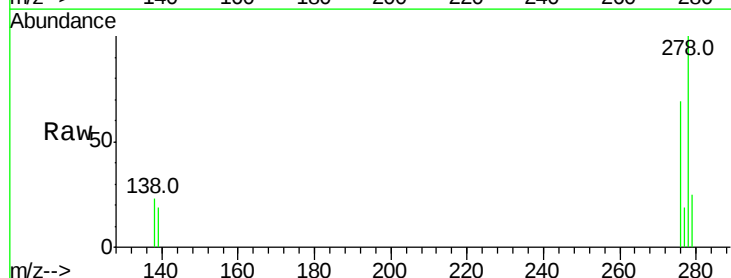
Tgt Ion:278 Resp: 13551

Ion Ratio Lower Upper

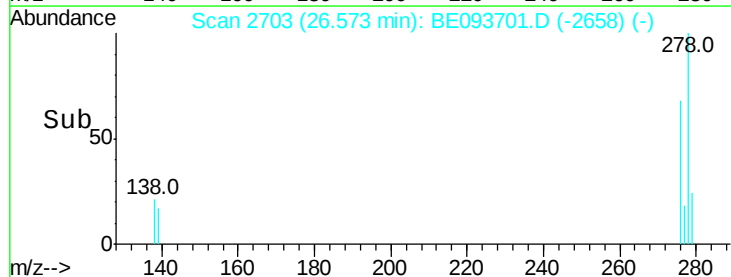
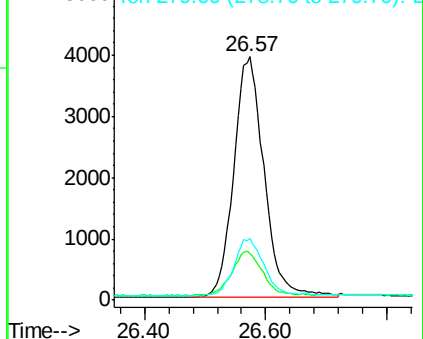
278 100

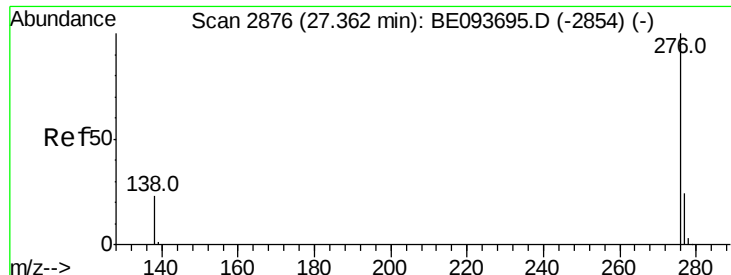
139 18.9 21.4 32.0#

279 25.3 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: 0.139 ng

RT: 27.37 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BE093701.D

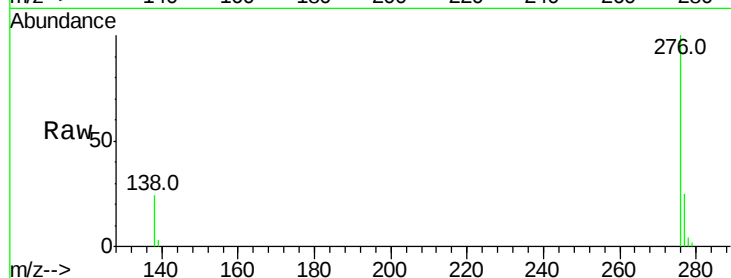
Acq: 7 Aug 2017 15:07

Instrument :

BNA_E

ClientSampleId :

PB101176BS



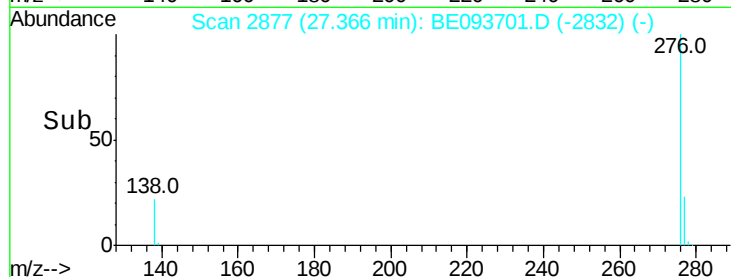
Tot Ion:276 Resp: 13329

Ion Ratio Lower Upper

276 100

277 24.6 21.2 31.8

138 23.6 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

