

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122617\
 Data File : BE095048.D
 Acq On : 26 Dec 2017 10:28
 Operator : SJ/JU
 Sample : PB105315BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB105315BS

Quant Time: Dec 26 11:08:36 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	7754	0.40	ng	-0.01
7) Naphthalene-d8	11.31	136	16591	0.40	ng	-0.02
13) Acenaphthene-d10	15.05	164	7923	0.40	ng	-0.01
19) Phenanthrene-d10	17.74	188	16989	0.40	ng	-0.03
27) Chrysene-d12	21.84	240	18354	0.40	ng	-0.03
34) Perylene-d12	24.49	264	16024	0.40	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.94	112	3772	0.31	ng	-0.01
5) Phenol-d6	7.58	99	5177	0.29	ng	-0.01
8) Nitrobenzene-d5	9.63	82	5082	0.37	ng	-0.02
11) 2-Methylnaphthalene-d10	12.84	152	8810	0.32	ng	-0.02
14) 2,4,6-Tribromophenol	16.50	330	511	0.28	ng	-0.03
15) 2-Fluorobiphenyl	13.68	172	13689	0.39	ng	-0.01
25) Fluoranthene-d10	19.72	212	72092	0.33	ng	-0.03
29) Terphenyl-d14	20.28	244	14611	0.42	ng	-0.03

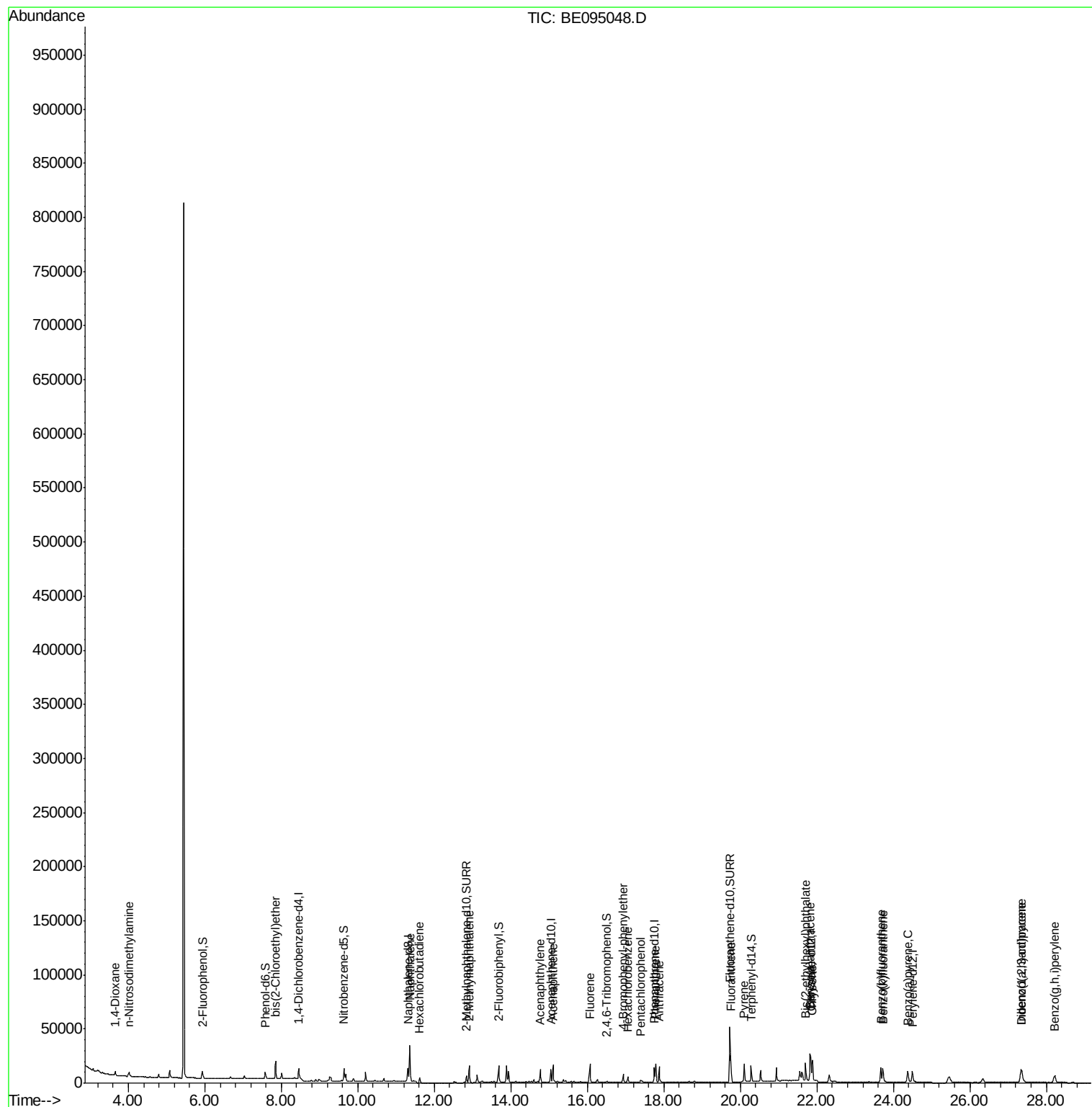
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	2316	0.303	ng	# 69
3) n-Nitrosodimethylamine	4.01	42	3060	0.339	ng	95
6) bis(2-Chloroethyl)ether	7.85	93	5792	0.332	ng	94
9) Naphthalene	11.36	128	63574	0.326	ng	99
10) Hexachlorobutadiene	11.61	225	2946	0.333	ng	98
12) 2-Methylnaphthalene	12.91	142	14424	0.297	ng	98
16) Acenaphthylene	14.77	152	12829	0.303	ng	99
17) Acenaphthene	15.11	154	8718	0.310	ng	95
18) Fluorene	16.07	166	10853	0.311	ng	# 78
20) 4-Bromophenyl-phenylether	16.94	248	3485	0.350	ng	88
21) Hexachlorobenzene	17.06	284	3493	0.344	ng	# 81
22) Pentachlorophenol	17.40	266	1222	0.565	ng	# 75
23) Phenanthrene	17.79	178	17581	0.332	ng	98
24) Anthracene	17.88	178	17413	0.321	ng	# 91
26) Fluoranthene	19.75	202	21170	0.324	ng	99
28) Pyrene	20.10	202	25001	0.402	ng	99
30) Benzo(a)anthracene	21.82	228	20112	0.375	ng	# 61
31) Chrysene	21.89	228	22667	0.376	ng	# 63
32) Bis(2-ethylhexyl)phthalate	21.70	149	20600	0.301	ng	100
33) Indeno(1,2,3-cd)pyrene	27.33	276	20927	0.426	ng	97
35) Benzo(b)fluoranthene	23.67	252	19824	0.337	ng	# 89
36) Benzo(k)fluoranthene	23.73	252	19449	0.326	ng	95
37) Benzo(a)pyrene	24.38	252	18747	0.359	ng	# 94
38) Dibenzo(a,h)anthracene	27.35	278	17001	0.351	ng	97
39) Benzo(g,h,i)perylene	28.21	276	17568	0.364	ng	# 94

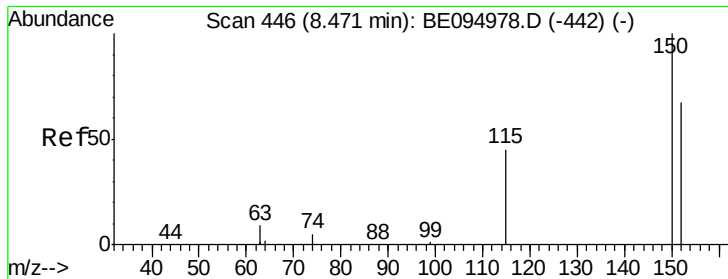
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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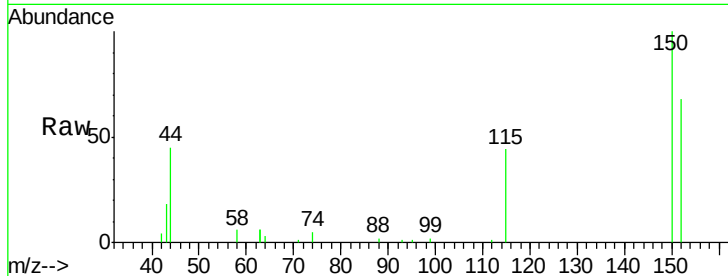




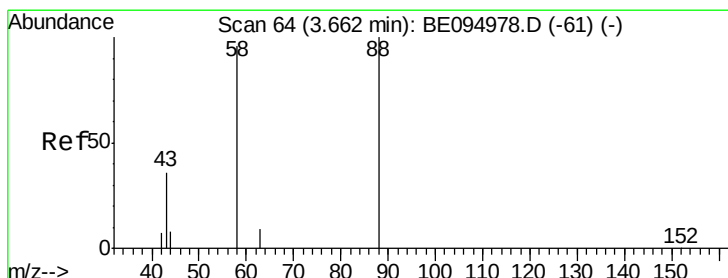
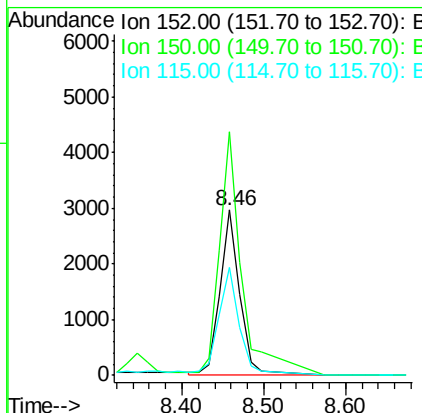
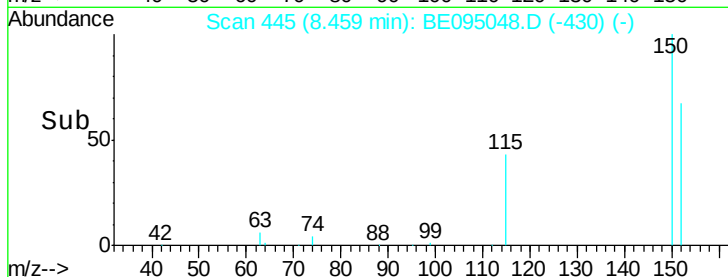
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.46 min Scan# 445
 Delta R.T. -0.01 min
 Lab File: BE095048.D
 Acq: 26 Dec 2017 10:28

Instrument :
 BNA_E
 ClientSampleId :
 PB105315BS

Tgt Ion: 152 Resp: 7754
 Ion Ratio Lower Upper
 152 100
 150 147.3 117.2 175.8
 115 64.9 57.0 85.6

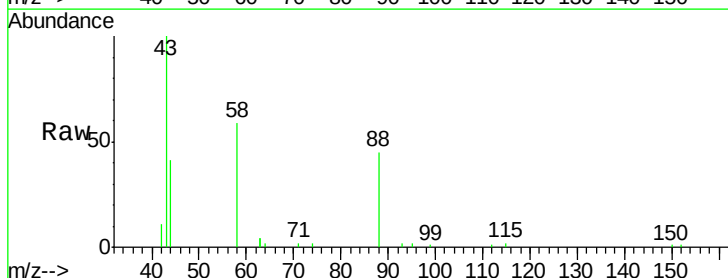


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

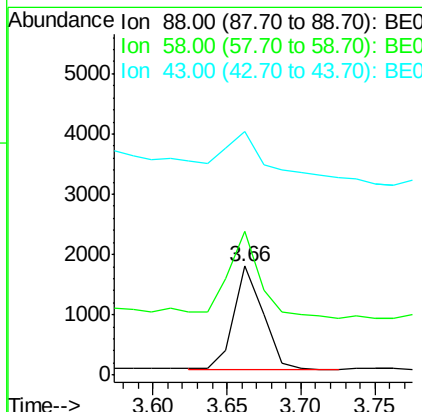
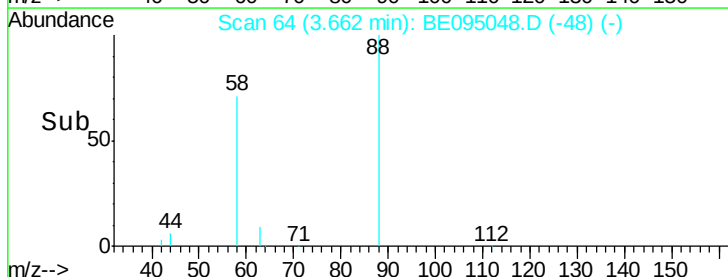


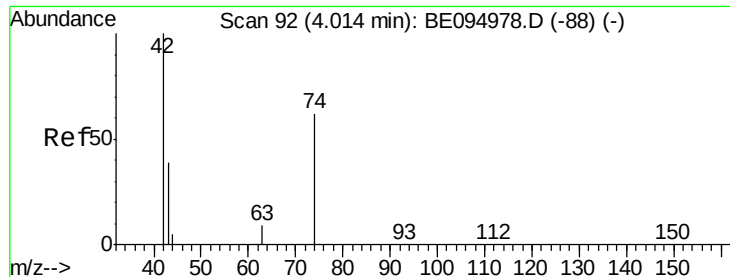
#2
 1,4-Dioxane
 Concen: 0.303 ng
 RT: 3.66 min Scan# 64
 Delta R.T. 0.00 min
 Lab File: BE095048.D
 Acq: 26 Dec 2017 10:28

Tgt Ion: 88 Resp: 2316
 Ion Ratio Lower Upper
 88 100
 58 93.8 63.2 94.8
 43 87.9 41.2 61.8#



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

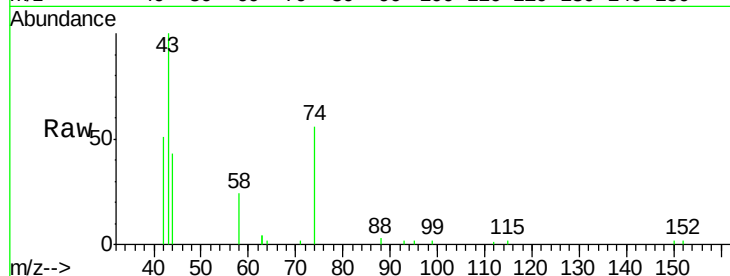




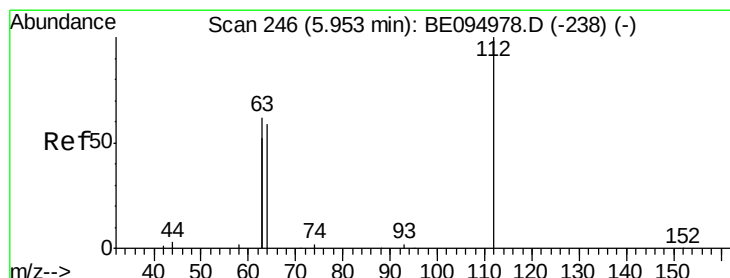
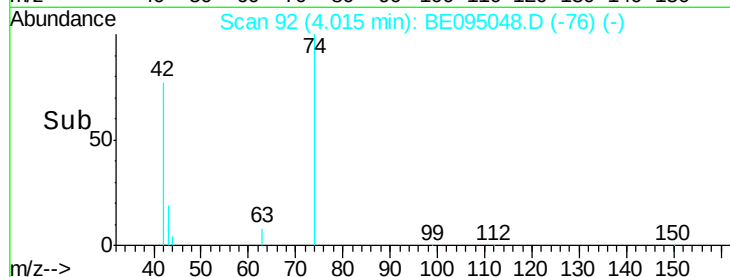
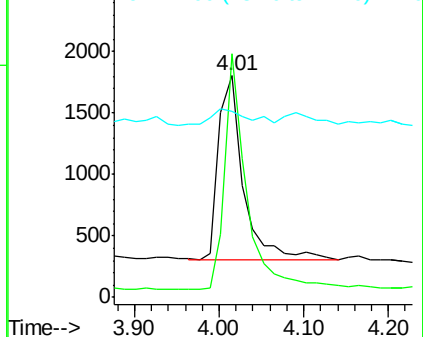
#3
n-Nitrosodimethylamine
Concen: 0.339 ng
RT: 4.01 min Scan# 92
Delta R.T. 0.00 min
Lab File: BE095048.D
Acq: 26 Dec 2017 10:28

Instrument :
BNA_E
ClientSampleId :
PB105315BS

Tgt Ion: 42 Resp: 3060
Ion Ratio Lower Upper
42 100
74 113.9 96.0 144.0
44 12.8 12.0 18.0

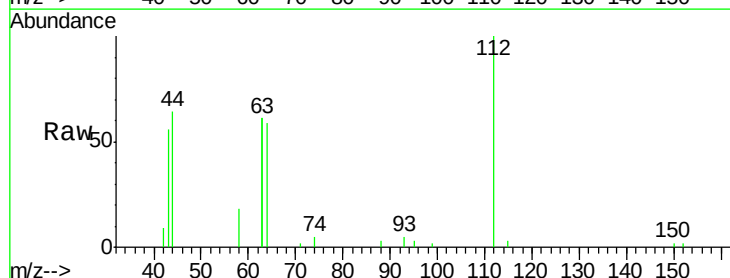


Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0

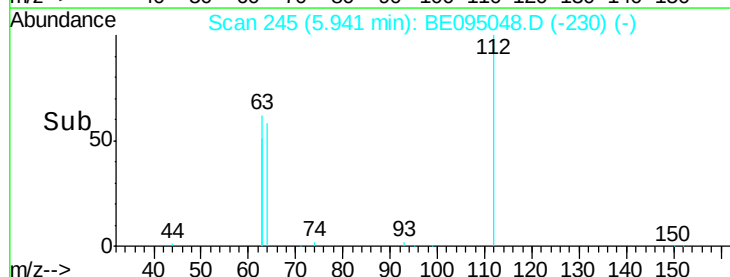
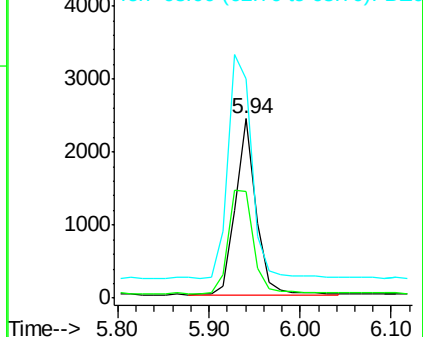


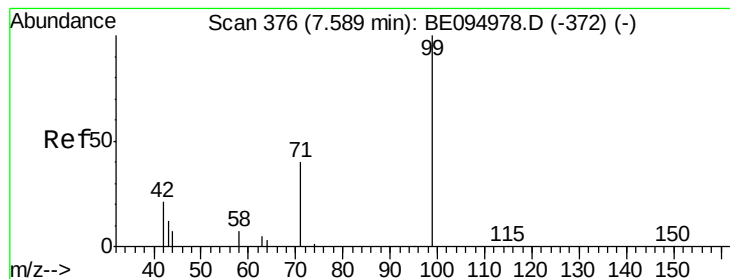
#4
2-Fluorophenol
Concen: 0.313 ng
RT: 5.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: BE095048.D
Acq: 26 Dec 2017 10:28

Tgt Ion: 112 Resp: 3772
Ion Ratio Lower Upper
112 100
64 72.7 60.1 90.1
63 151.4 116.8 175.2



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: 0.289 ng

RT: 7.58 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

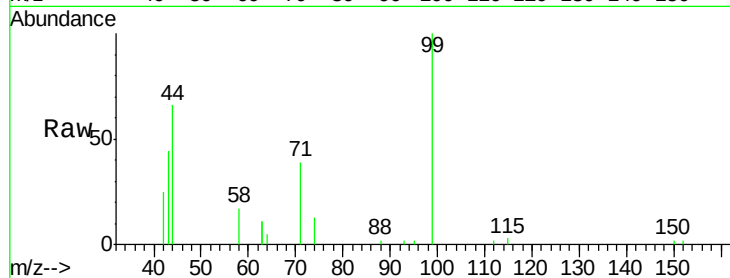
Tgt Ion: 99 Resp: 5177

Ion Ratio Lower Upper

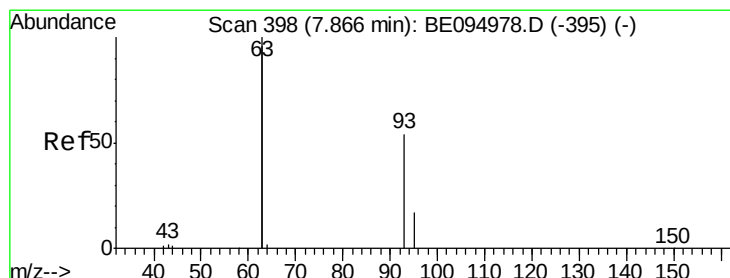
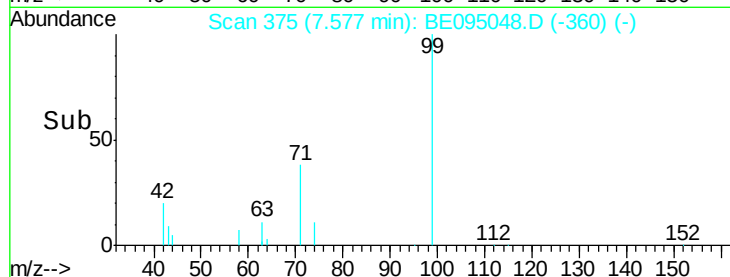
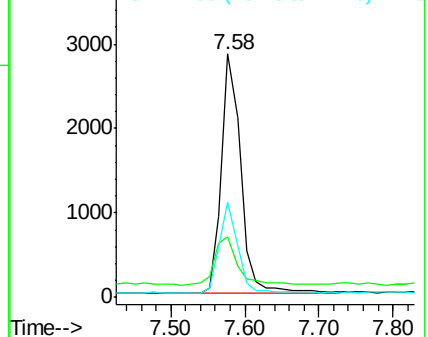
99 100

42 24.5 20.2 30.2

71 36.8 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.332 ng

RT: 7.85 min Scan# 397

Delta R.T. -0.01 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

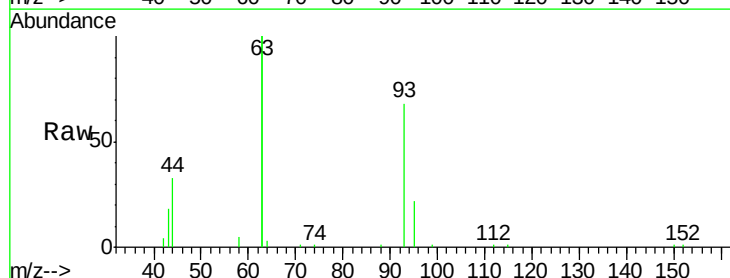
Tgt Ion: 93 Resp: 5792

Ion Ratio Lower Upper

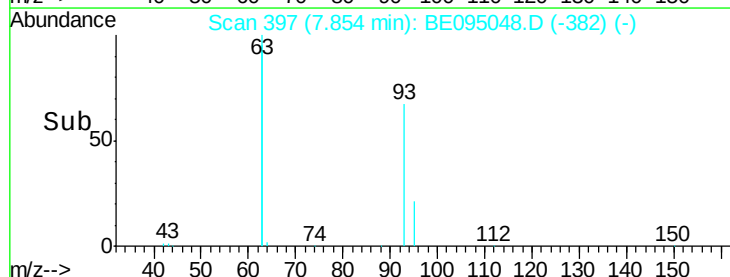
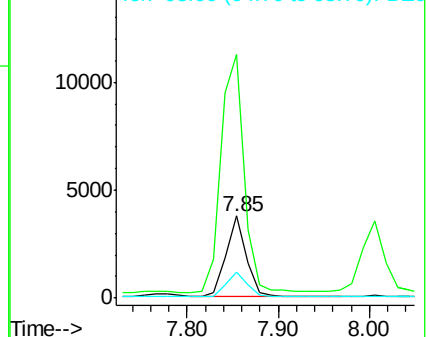
93 100

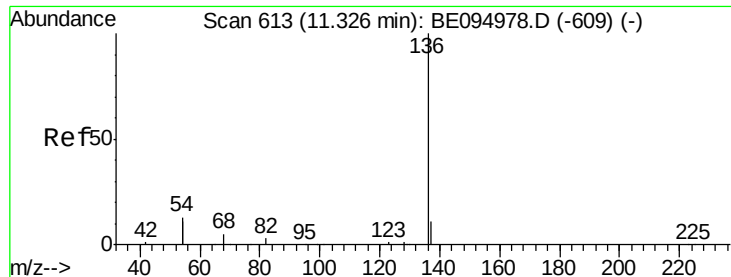
63 331.2 275.3 412.9

95 31.6 25.2 37.8



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: 0.400 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

Tgt Ion:136 Resp: 16591

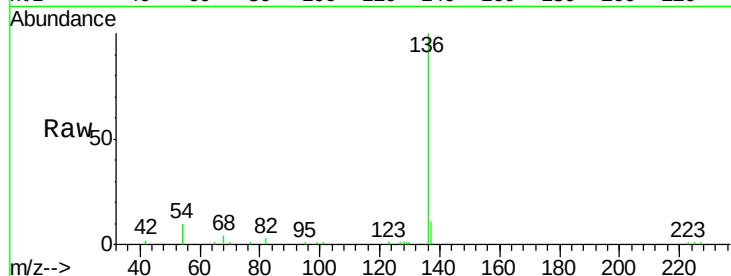
Ion Ratio Lower Upper

136 100

137 11.0 9.5 14.3

54 19.6 29.1 43.7#

68 4.1 6.2 9.2#

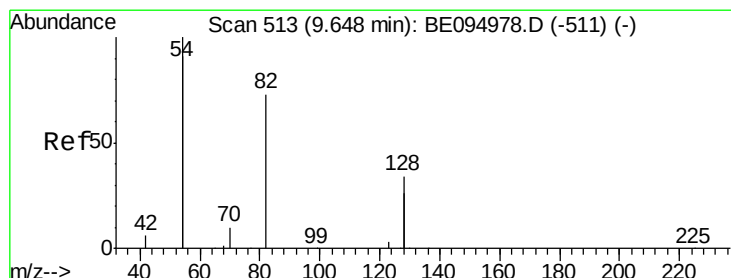
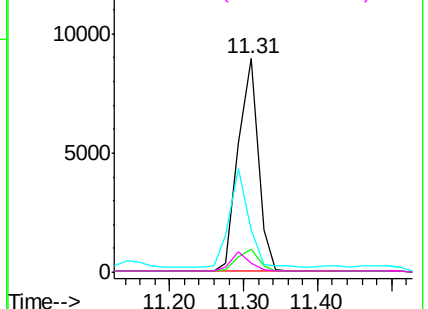
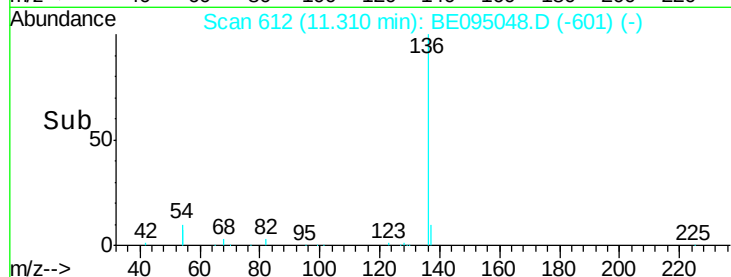


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.373 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.02 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

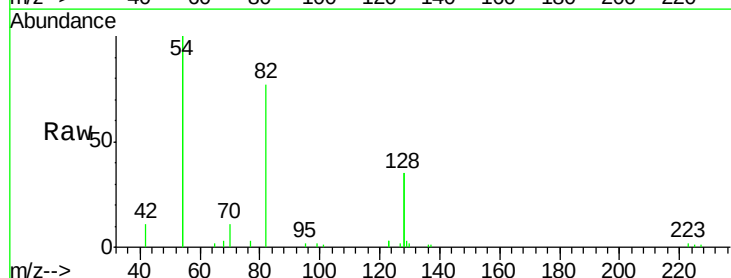
Tgt Ion: 82 Resp: 5082

Ion Ratio Lower Upper

82 100

128 91.6 150.0 225.0#

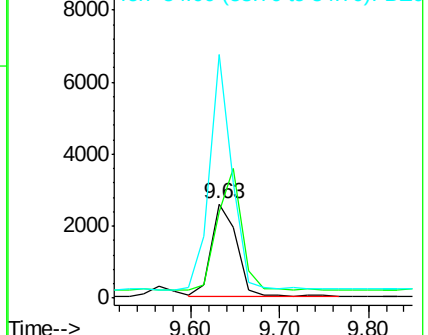
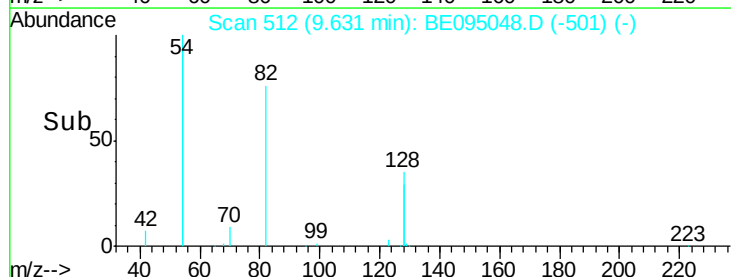
54 258.5 154.2 231.4#

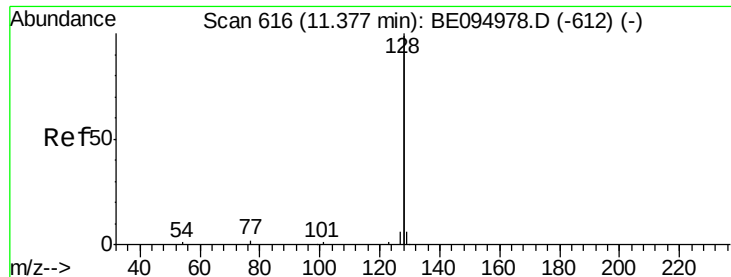


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.326 ng

RT: 11.36 min Scan# 615

Delta R.T. -0.02 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

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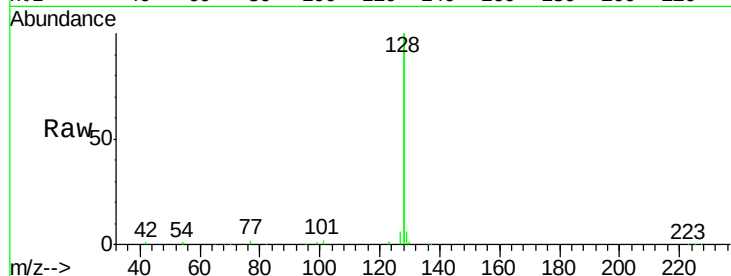
Tgt Ion:128 Resp: 63574

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

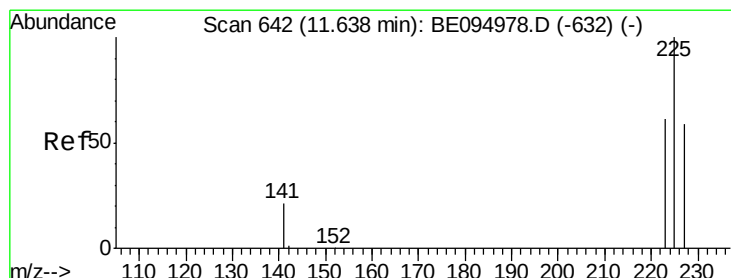
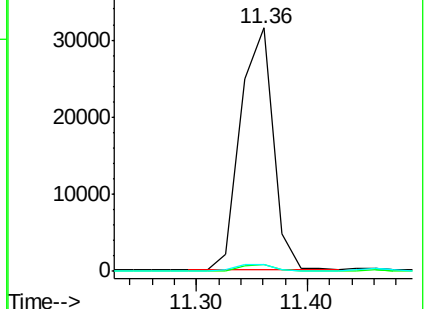
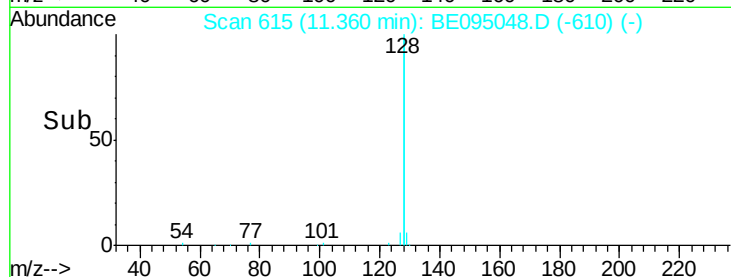
127 3.0 2.8 4.2



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: 0.333 ng

RT: 11.61 min Scan# 638

Delta R.T. -0.02 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

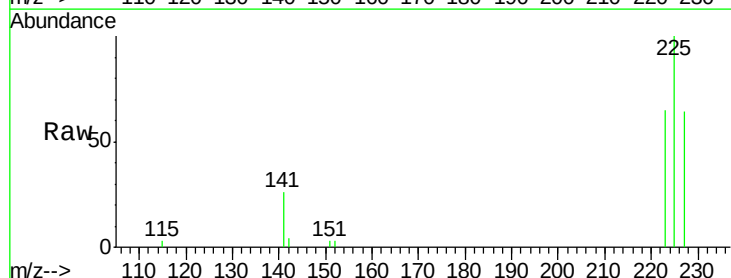
Tgt Ion:225 Resp: 2946

Ion Ratio Lower Upper

225 100

223 63.3 53.0 79.6

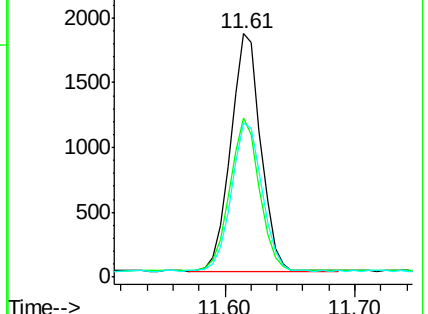
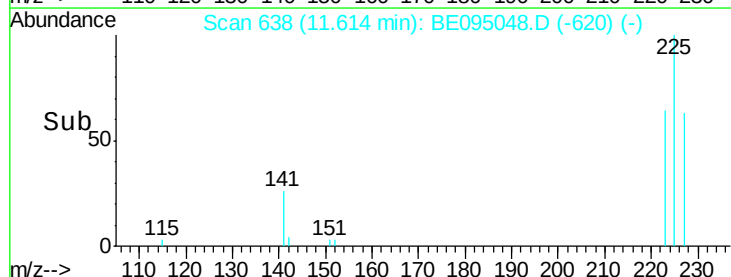
227 63.7 51.4 77.2

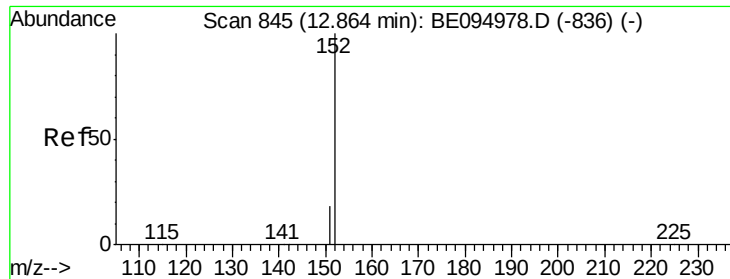


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

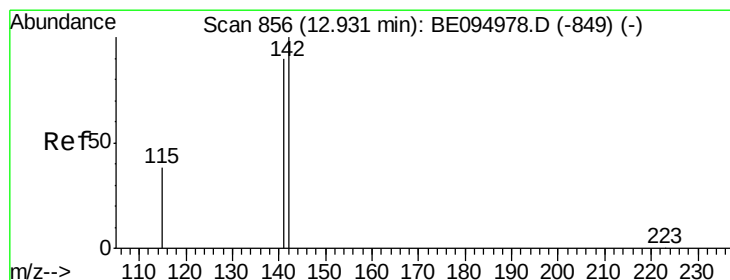
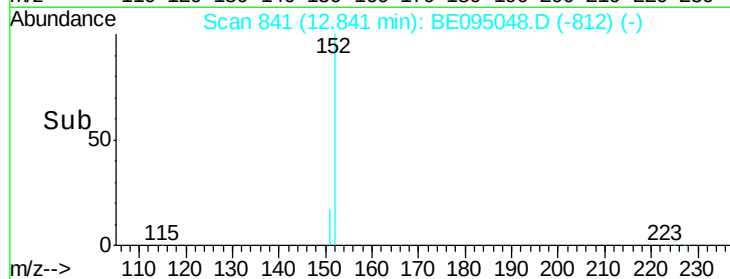
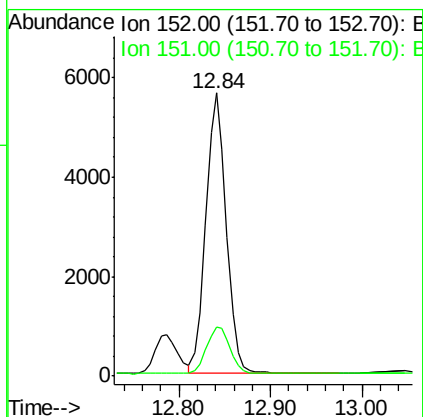
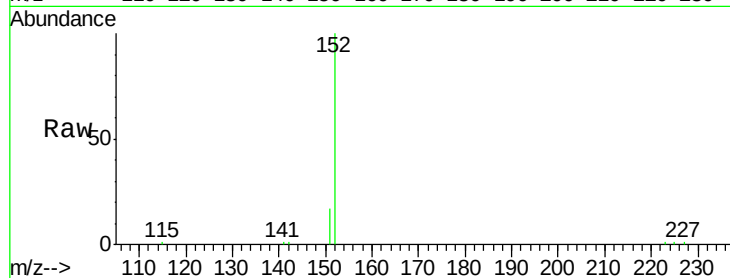




#11
 2-Methylnaphthalene-d10
 Concen: 0.324 ng
 RT: 12.84 min Scan# 841
 Delta R.T. -0.02 min
 Lab File: BE095048.D
 Acq: 26 Dec 2017 10:28

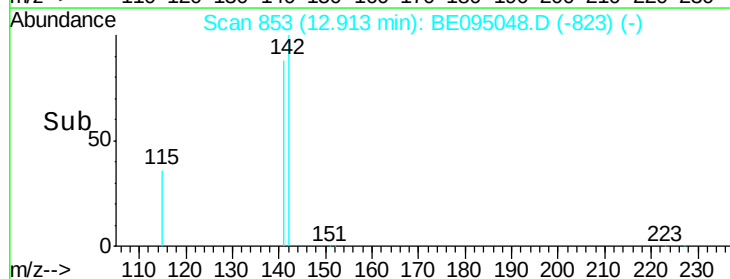
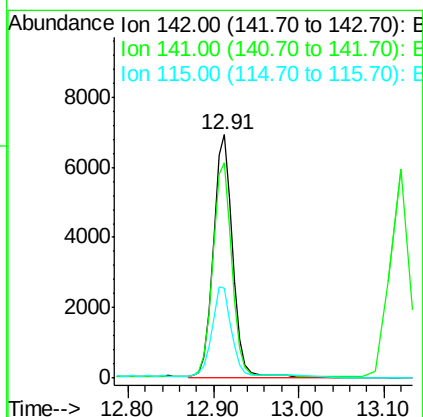
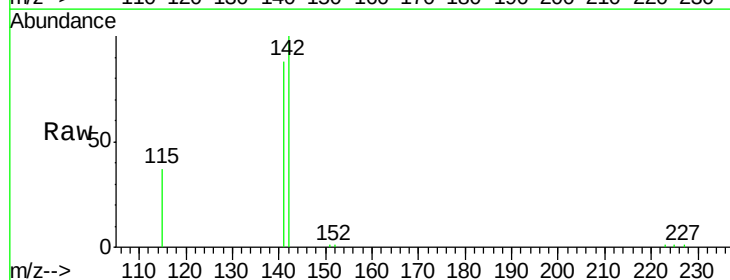
Instrument :
 BNA_E
 ClientSampleId :
 PB105315BS

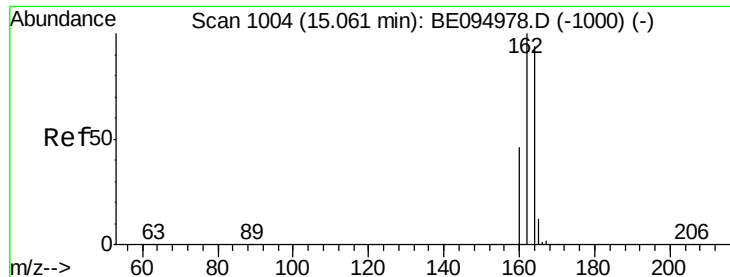
Tgt Ion:152 Resp: 8810
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.297 ng
 RT: 12.91 min Scan# 853
 Delta R.T. -0.02 min
 Lab File: BE095048.D
 Acq: 26 Dec 2017 10:28

Tgt Ion:142 Resp: 14424
 Ion Ratio Lower Upper
 142 100
 141 88.4 70.4 105.6
 115 36.9 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.05 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

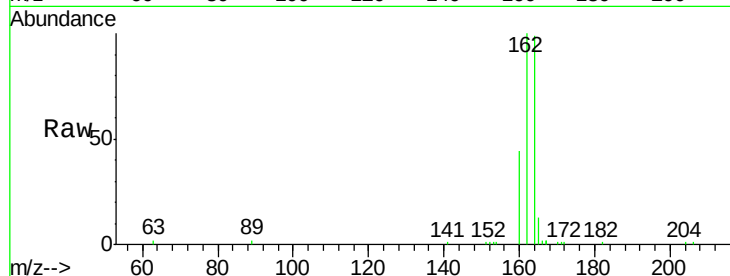
Tgt Ion:164 Resp: 7923

Ion Ratio Lower Upper

164 100

162 101.3 83.1 124.7

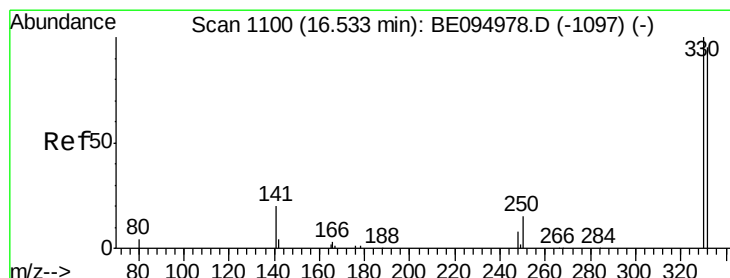
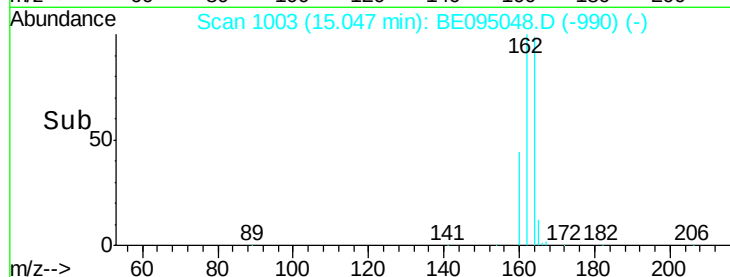
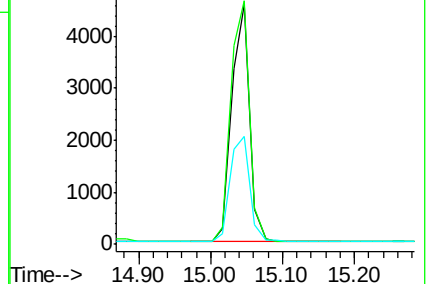
160 44.7 37.1 55.7



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: 0.278 ng

RT: 16.50 min Scan# 1098

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

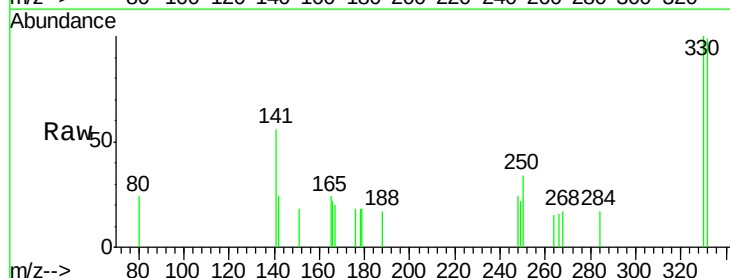
Tgt Ion:330 Resp: 511

Ion Ratio Lower Upper

330 100

332 104.3 152.7 229.1#

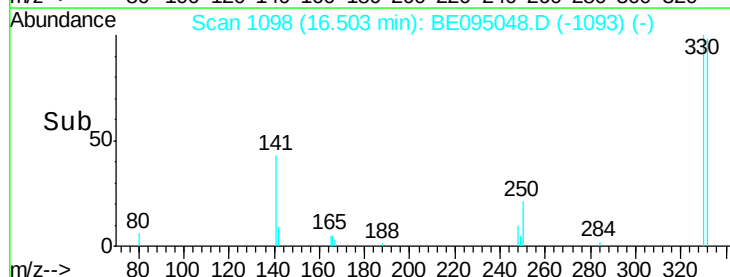
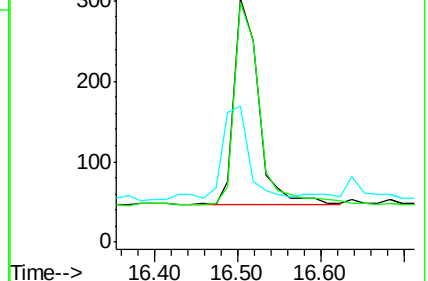
141 47.0 33.7 50.5

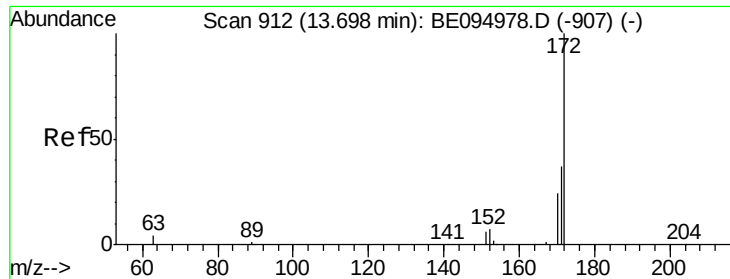


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

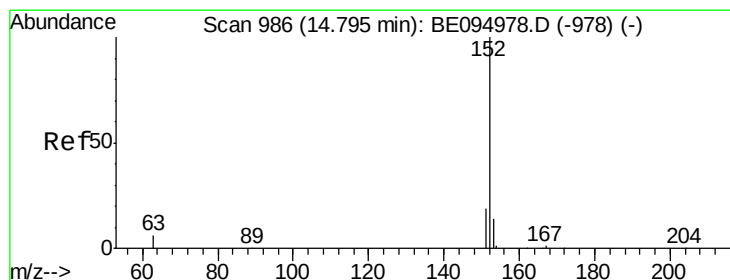
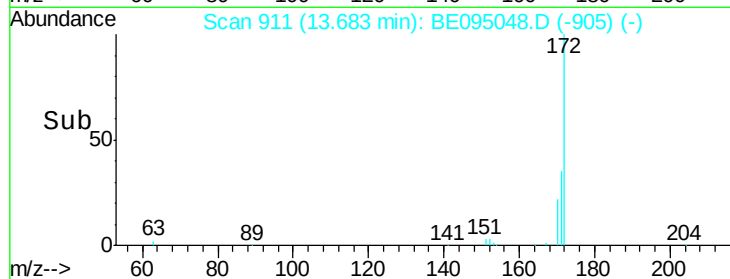
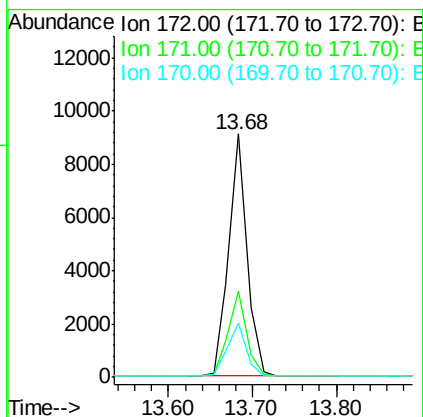
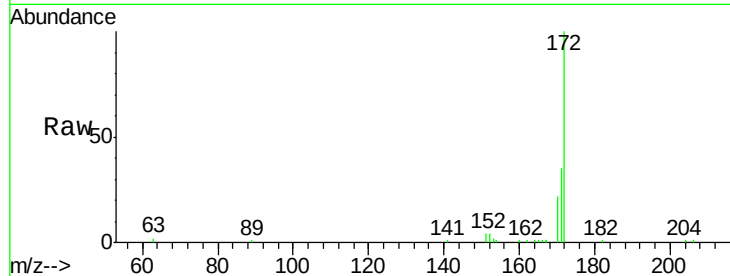




#15
 2-Fluorobiphenyl
 Concen: 0.390 ng
 RT: 13.68 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BE095048.D
 Acq: 26 Dec 2017 10:28

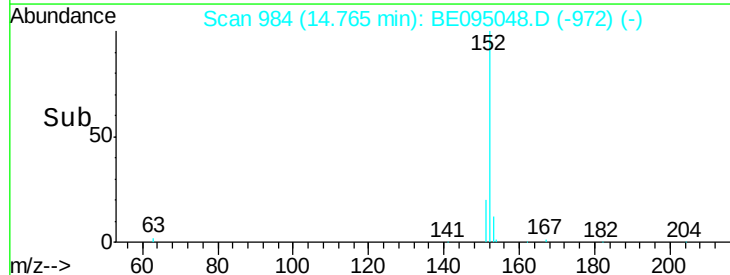
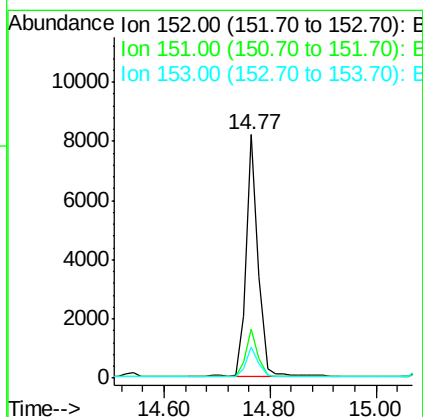
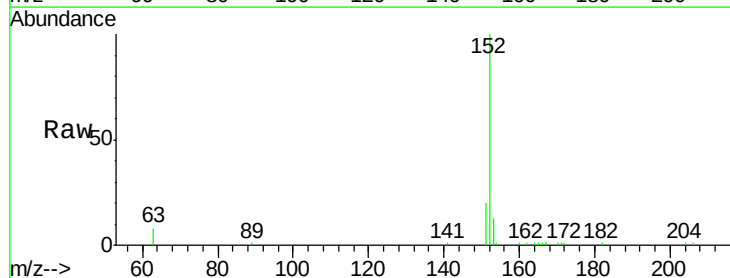
Instrument :
 BNA_E
 ClientSampleId :
 PB105315BS

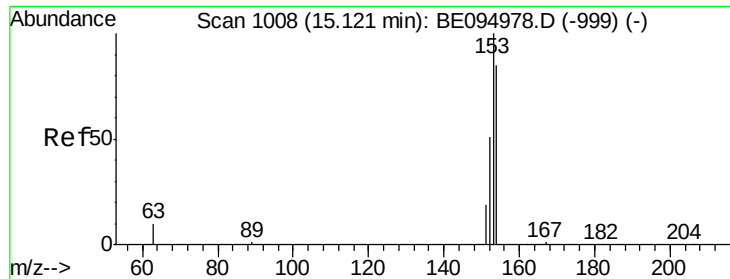
Tgt Ion:172 Resp: 13689
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.9 44.9
 170 22.2 21.8 32.8



#16
 Acenaphthylene
 Concen: 0.303 ng
 RT: 14.77 min Scan# 984
 Delta R.T. -0.03 min
 Lab File: BE095048.D
 Acq: 26 Dec 2017 10:28

Tgt Ion:152 Resp: 12829
 Ion Ratio Lower Upper
 152 100
 151 19.8 15.7 23.5
 153 12.7 10.5 15.7

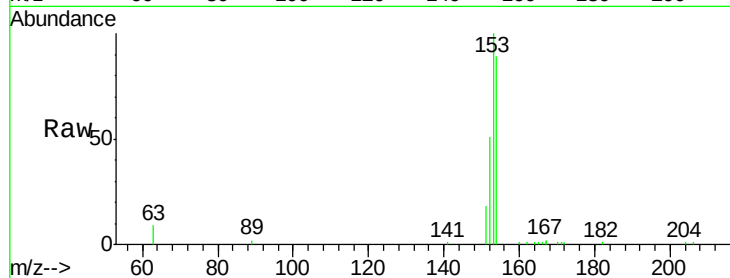




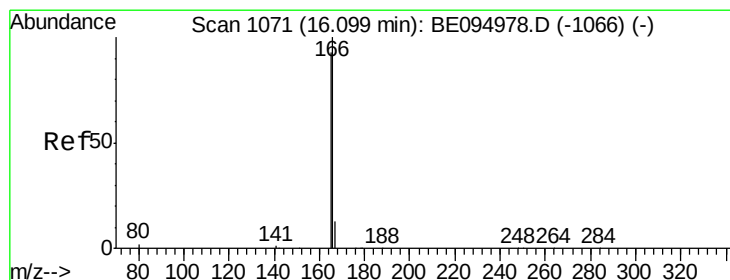
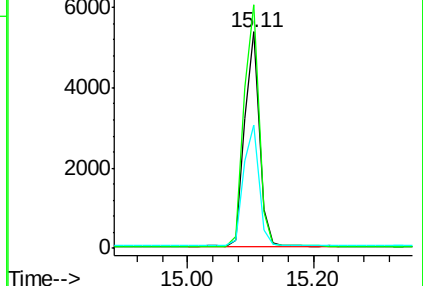
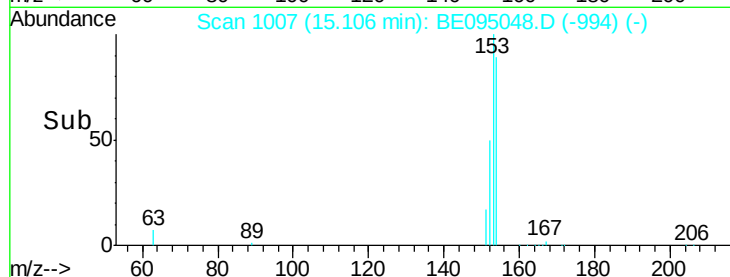
#17
Acenaphthene
Concen: 0.310 ng
RT: 15.11 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BE095048.D
Acq: 26 Dec 2017 10:28

Instrument :
BNA_E
ClientSampleId :
PB105315BS

Tgt Ion:154 Resp: 8718
Ion Ratio Lower Upper
154 100
153 114.1 89.2 133.8
152 59.3 42.0 63.0

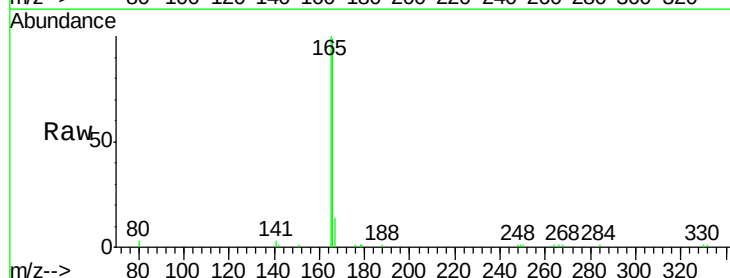


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

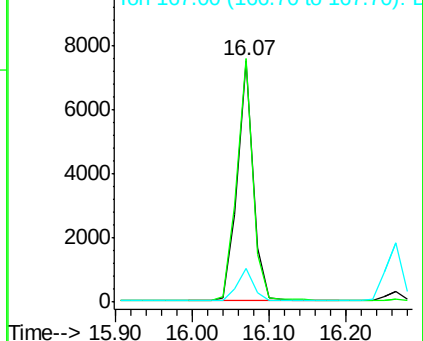
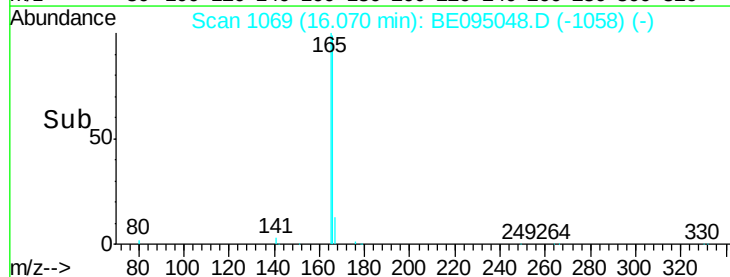


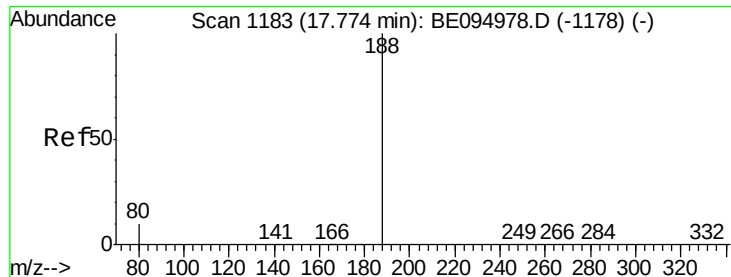
#18
Fluorene
Concen: 0.311 ng
RT: 16.07 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BE095048.D
Acq: 26 Dec 2017 10:28

Tgt Ion:166 Resp: 10853
Ion Ratio Lower Upper
166 100
165 101.3 77.8 116.6
167 13.8 42.4 63.6#



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: 17.74 min Scan# 1181

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

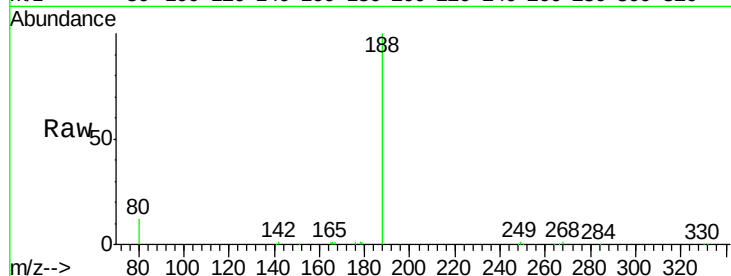
Tgt Ion:188 Resp: 16989

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

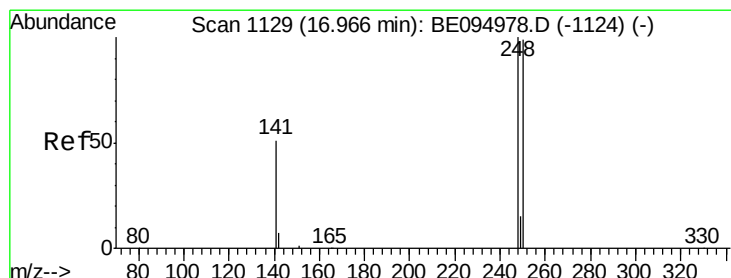
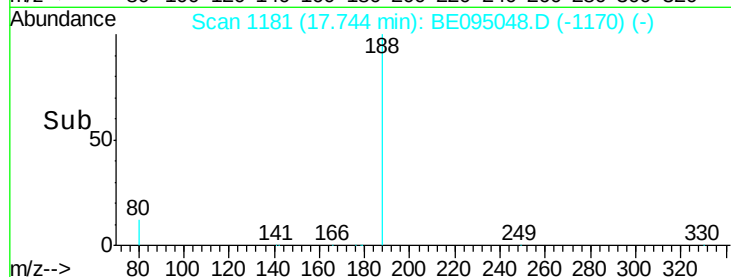
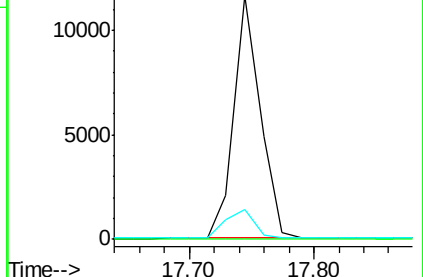
80 12.1 3.6 5.4#



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: 0.350 ng

RT: 16.94 min Scan# 1127

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

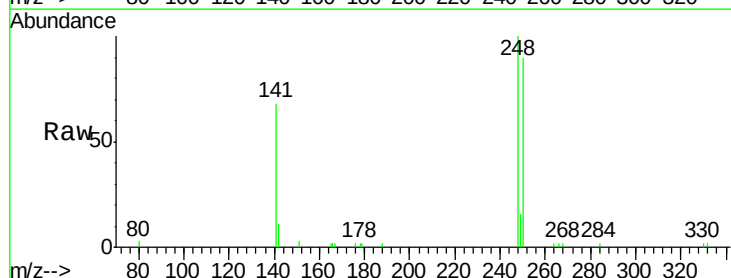
Tgt Ion:248 Resp: 3485

Ion Ratio Lower Upper

248 100

250 89.7 62.7 94.1

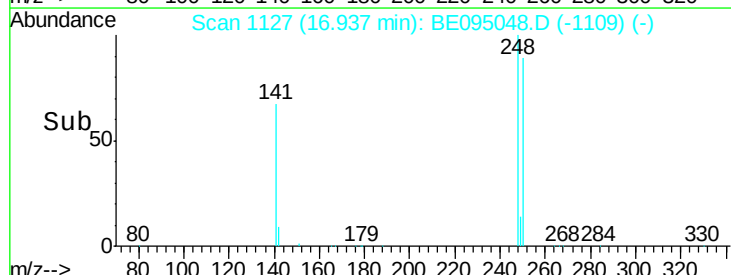
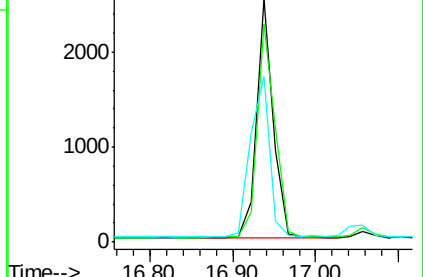
141 67.8 48.2 72.2

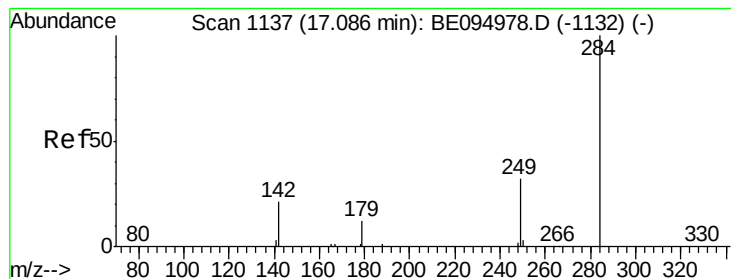


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.344 ng

RT: 17.06 min Scan# 1135

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

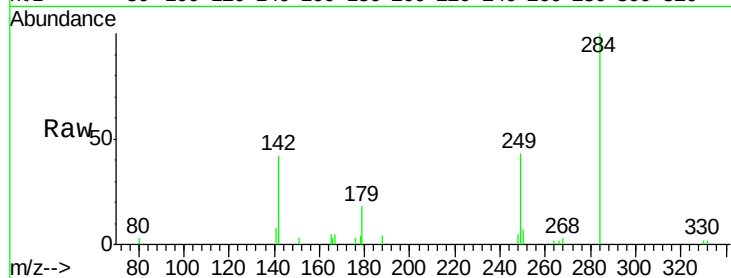
Tgt Ion:284 Resp: 3493

Ion Ratio Lower Upper

284 100

142 41.5 22.1 33.1#

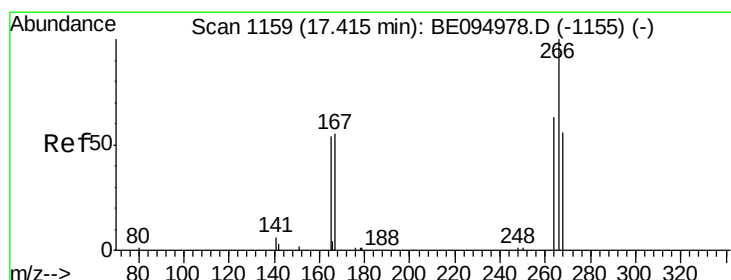
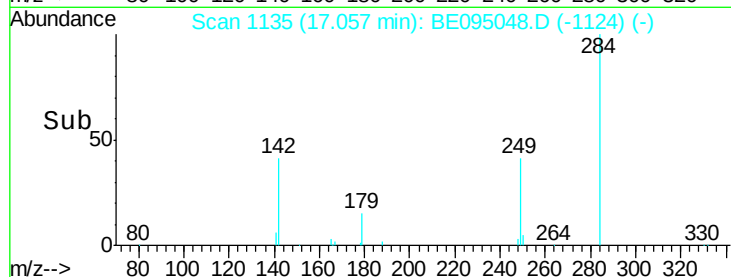
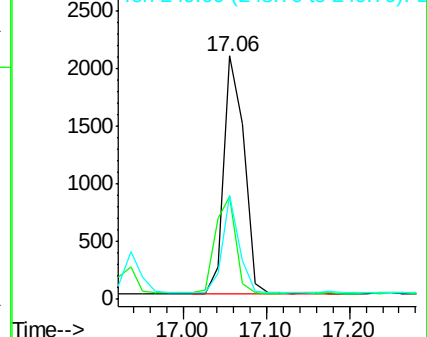
249 34.4 34.8 52.2#



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: 0.565 ng

RT: 17.40 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

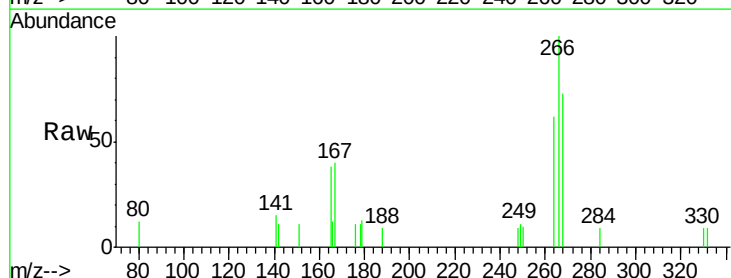
Tgt Ion:266 Resp: 1222

Ion Ratio Lower Upper

266 100

264 61.6 72.5 108.7#

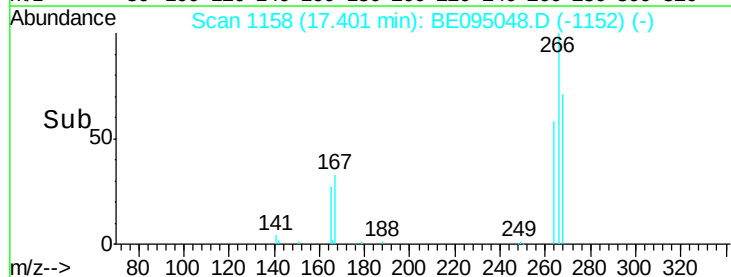
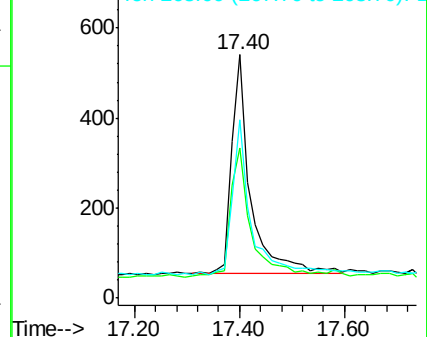
268 73.2 73.8 110.6#

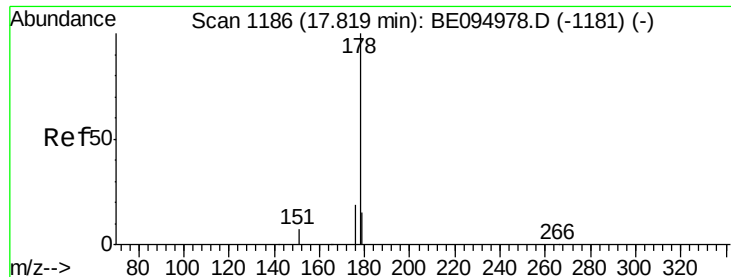


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.332 ng

RT: 17.79 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

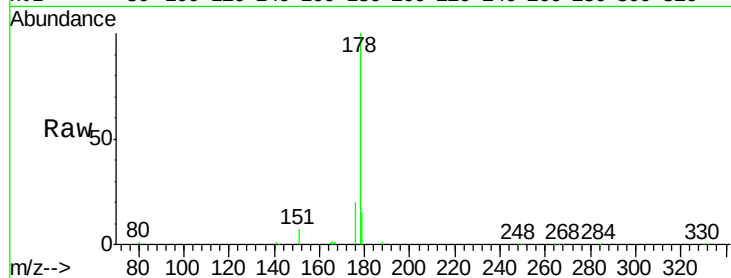
Tgt Ion:178 Resp: 17581

Ion Ratio Lower Upper

178 100

176 20.1 15.1 22.7

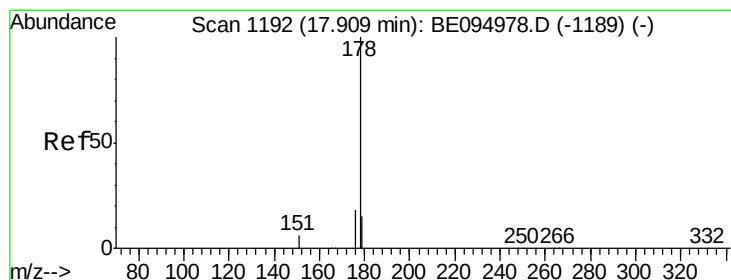
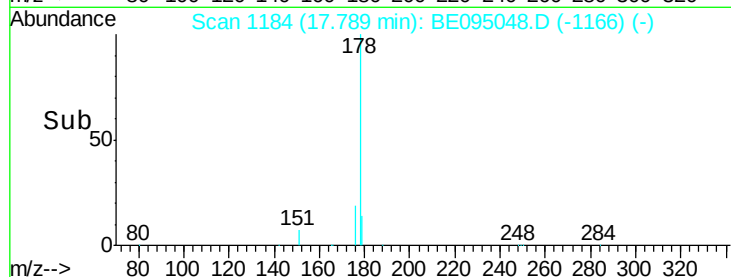
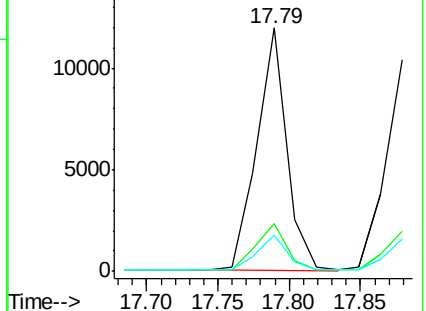
179 15.1 11.8 17.6



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: 0.321 ng

RT: 17.88 min Scan# 1190

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

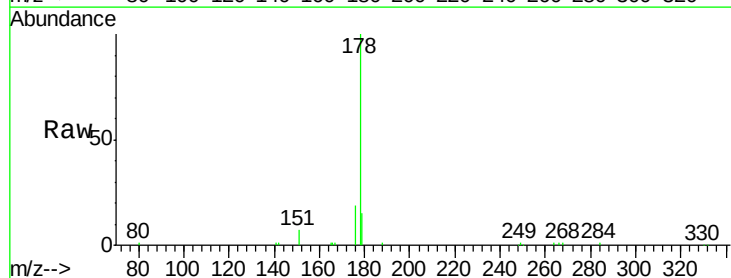
Tgt Ion:178 Resp: 17413

Ion Ratio Lower Upper

178 100

176 21.7 12.8 19.2#

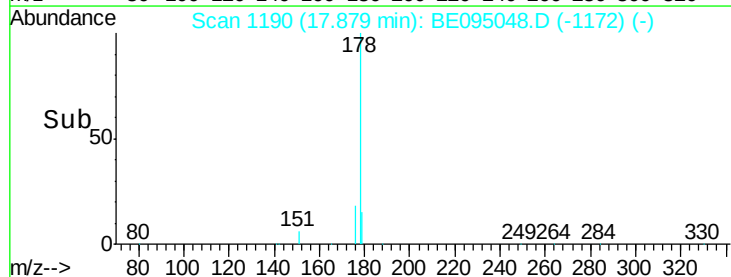
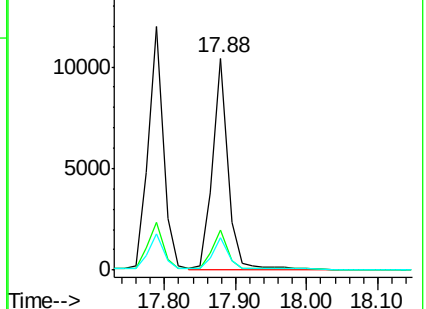
179 18.1 13.0 19.6

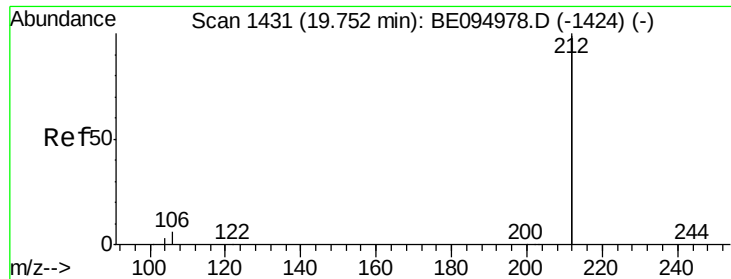


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.327 ng

RT: 19.72 min Scan# 1427

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

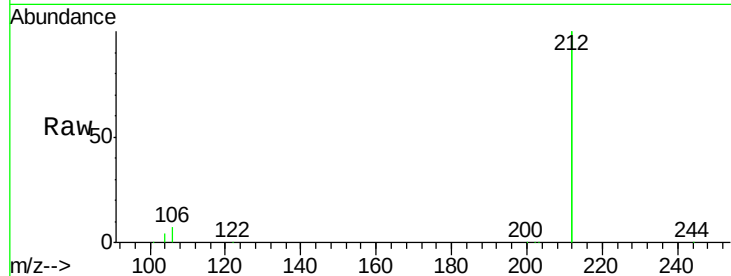
Tgt Ion:212 Resp: 72092

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

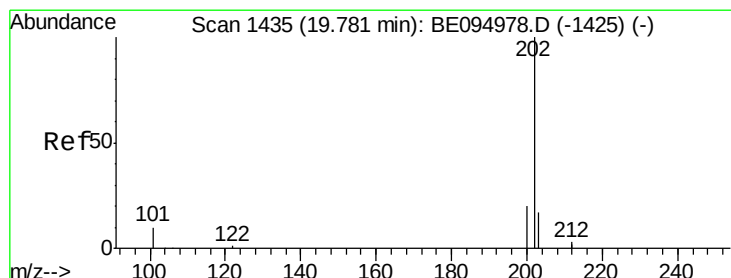
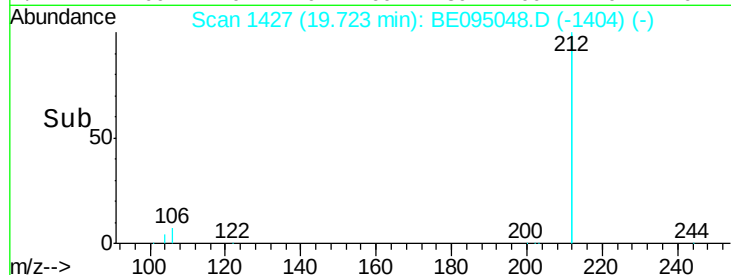
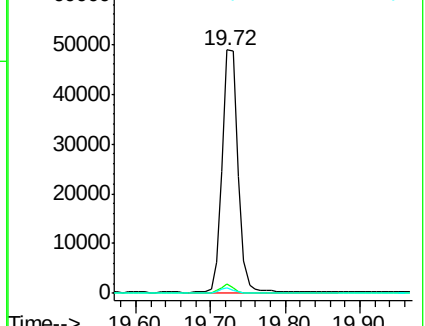
104 1.8 1.6 2.4



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: 0.324 ng

RT: 19.75 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

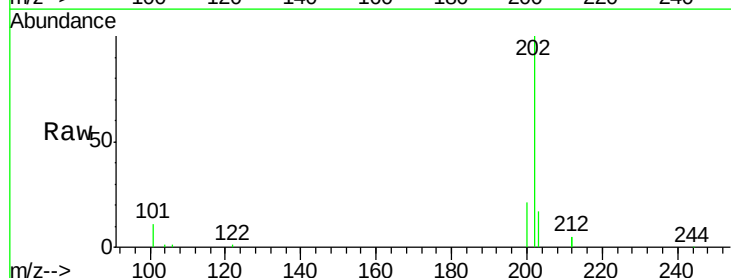
Tgt Ion:202 Resp: 21170

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

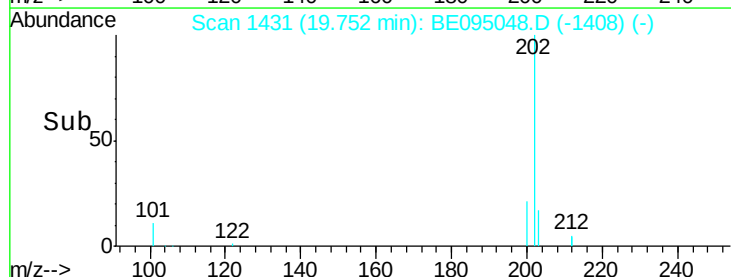
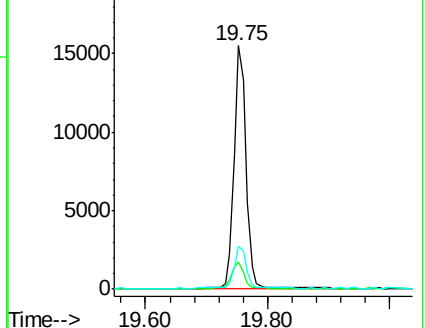
203 17.0 13.7 20.5

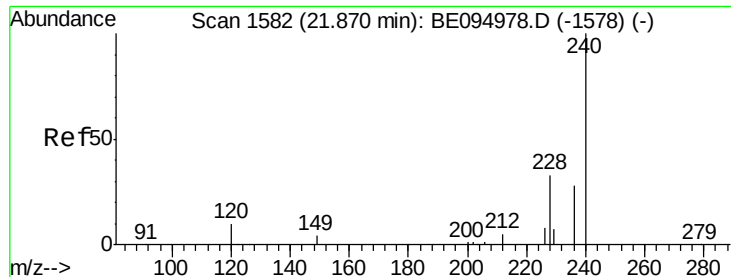


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.84 min Scan# 1580

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

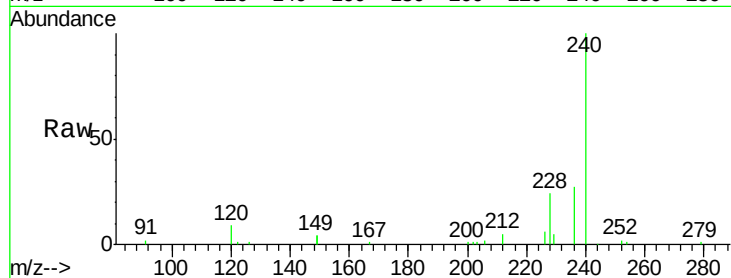
Tgt Ion:240 Resp: 18354

Ion Ratio Lower Upper

240 100

120 8.5 5.5 8.3#

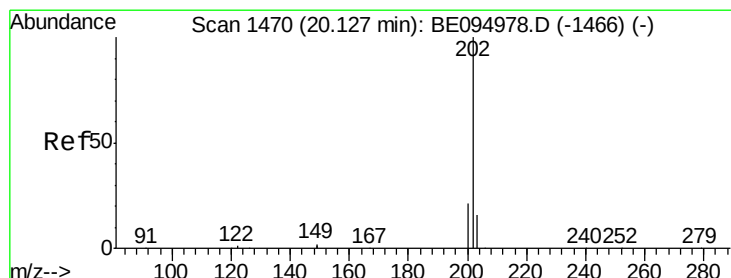
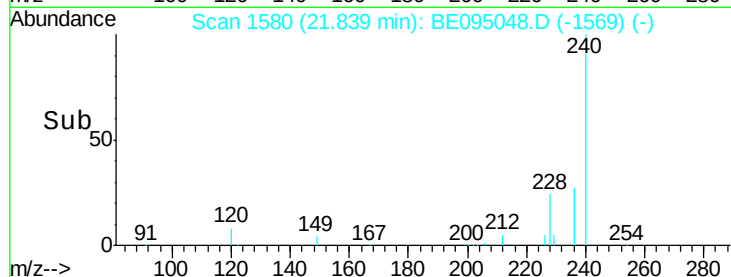
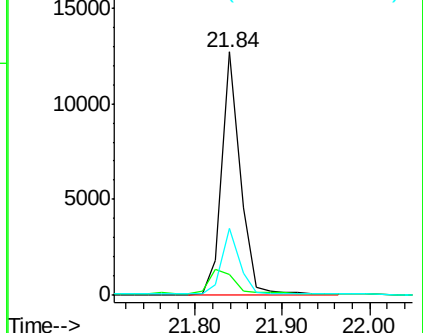
236 27.4 20.7 31.1



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: 0.402 ng

RT: 20.10 min Scan# 1468

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

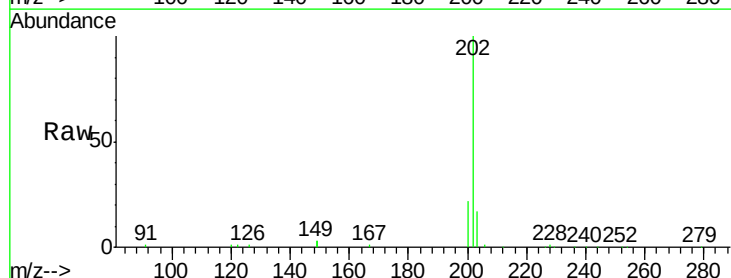
Tgt Ion:202 Resp: 25001

Ion Ratio Lower Upper

202 100

200 20.0 16.6 25.0

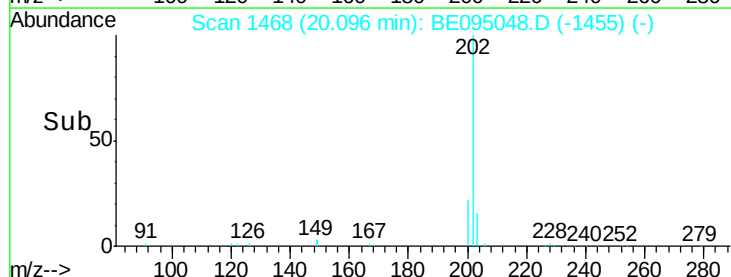
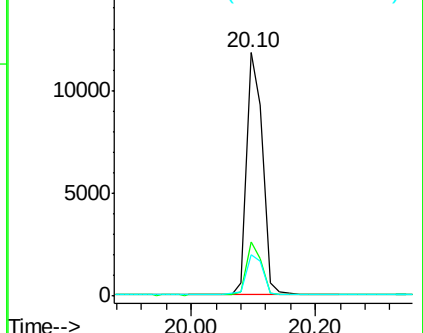
203 16.9 13.8 20.8

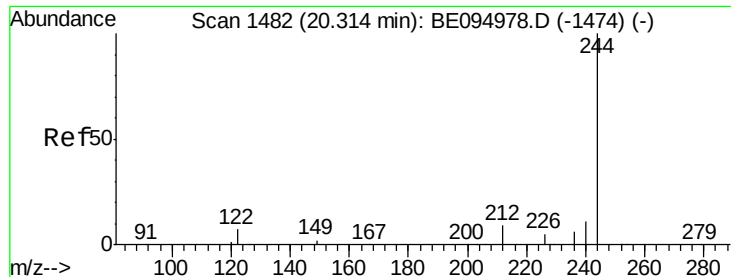


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.423 ng

RT: 20.28 min Scan# 1480

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

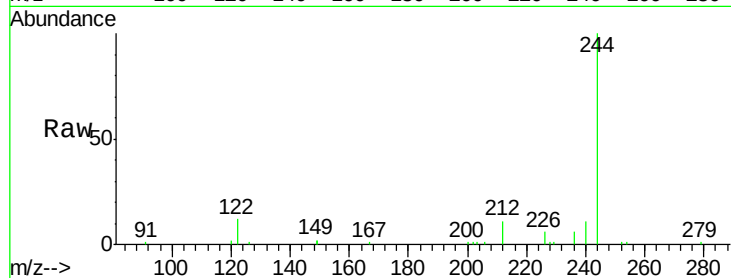
Tgt Ion:244 Resp: 14611

Ion Ratio Lower Upper

244 100

212 11.2 25.4 38.0#

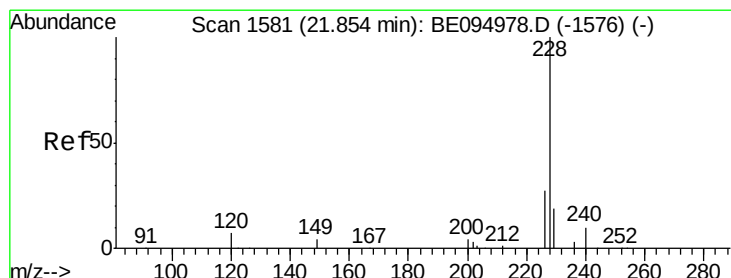
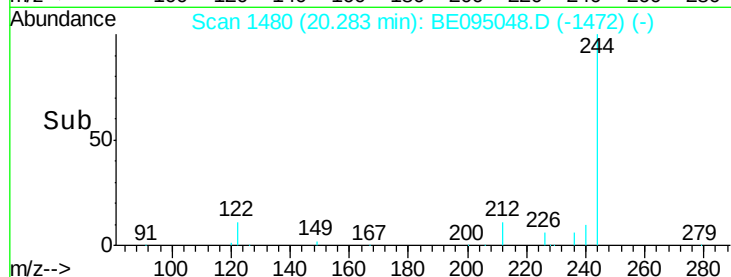
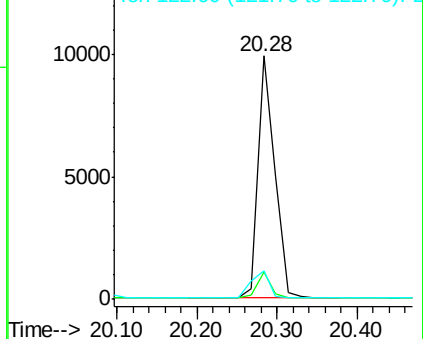
122 11.9 8.1 12.1



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: 0.375 ng

RT: 21.82 min Scan# 1579

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

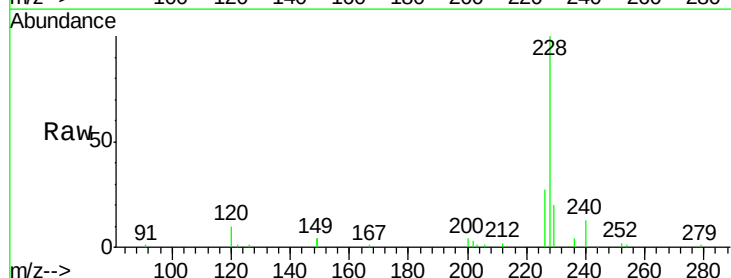
Tgt Ion:228 Resp: 20112

Ion Ratio Lower Upper

228 100

226 26.6 40.0 60.0#

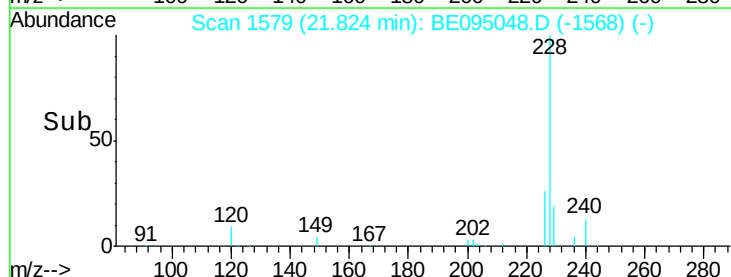
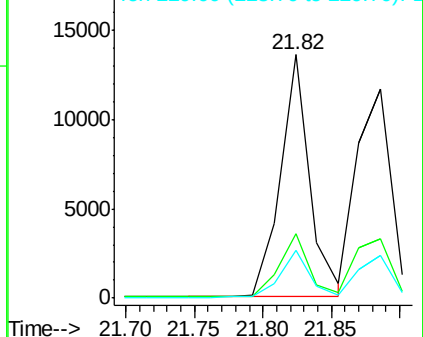
229 19.6 40.0 60.0#

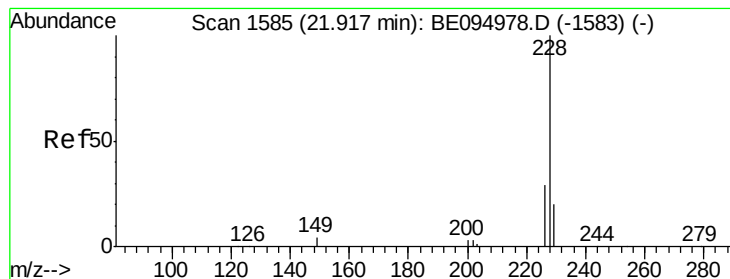


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.376 ng

RT: 21.89 min Scan# 1583

Delta R.T. -0.03 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

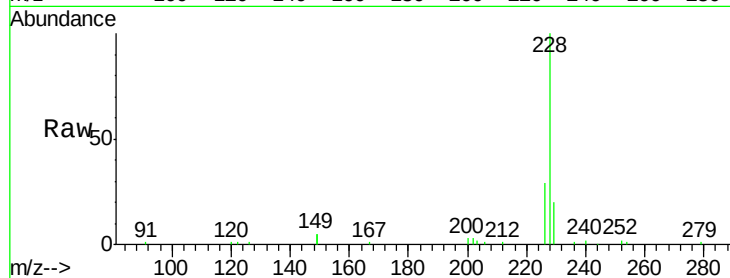
Tgt Ion:228 Resp: 22667

Ion Ratio Lower Upper

228 100

226 28.6 40.0 60.0#

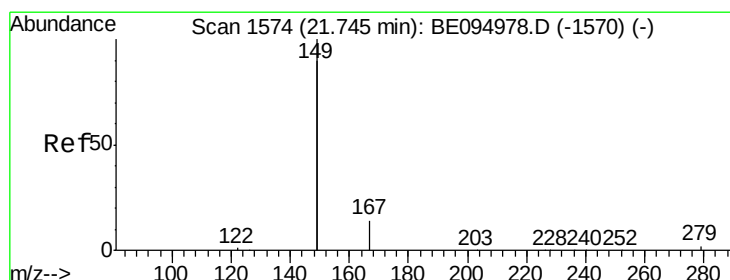
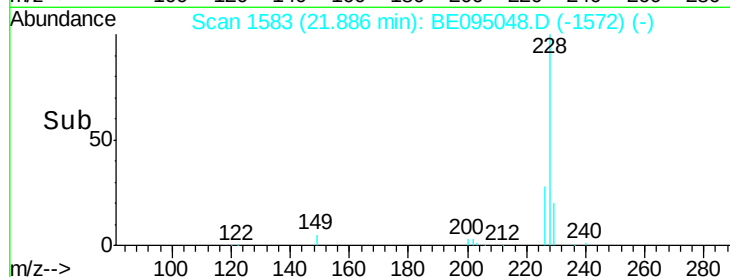
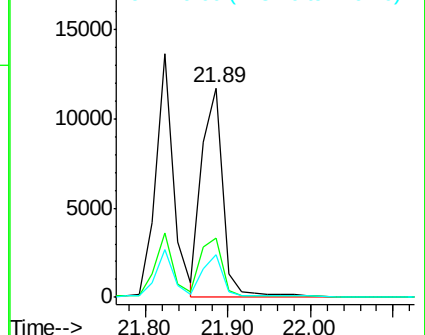
229 20.2 40.0 60.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.301 ng

RT: 21.70 min Scan# 1571

Delta R.T. -0.05 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

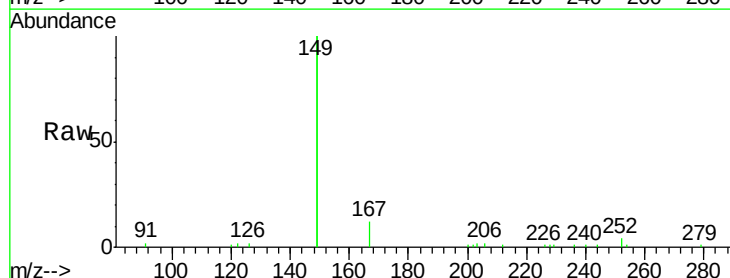
Tgt Ion:149 Resp: 20600

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

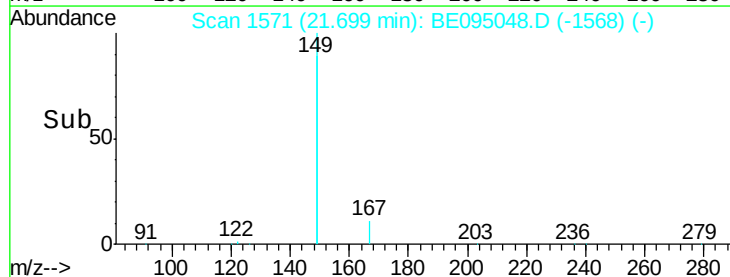
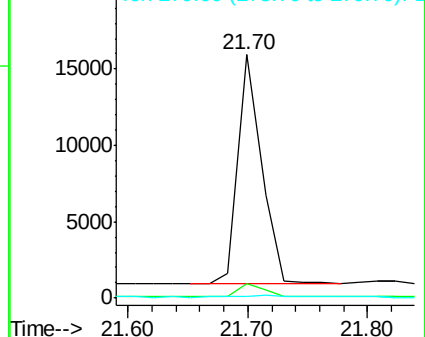
279 1.0 0.7 1.1

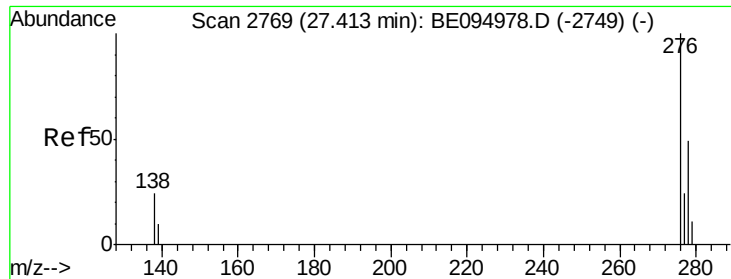


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.426 ng

RT: 27.33 min Scan# 2751

Delta R.T. -0.08 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

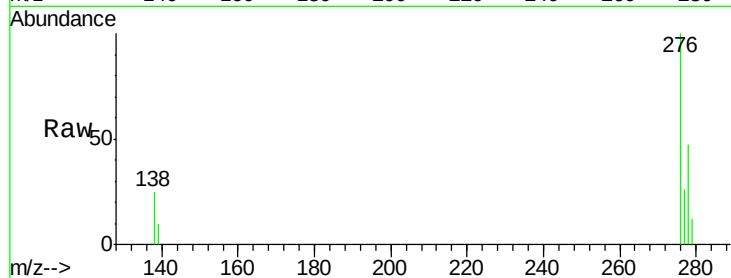
Tgt Ion:276 Resp: 20927

Ion Ratio Lower Upper

276 100

138 25.7 22.5 33.7

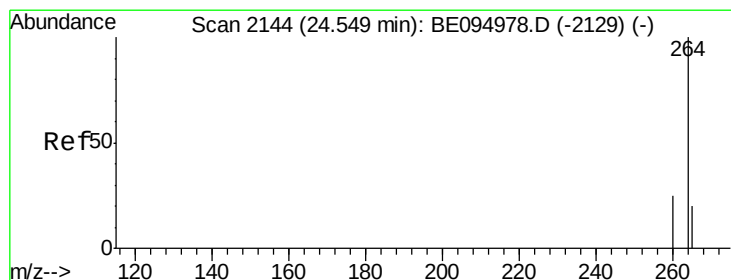
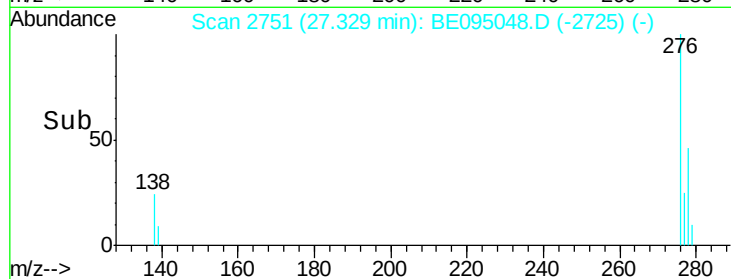
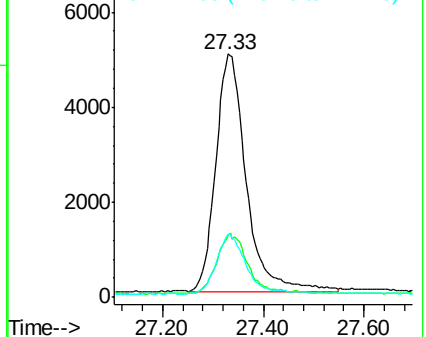
277 24.4 19.9 29.9



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: 24.49 min Scan# 2132

Delta R.T. -0.05 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

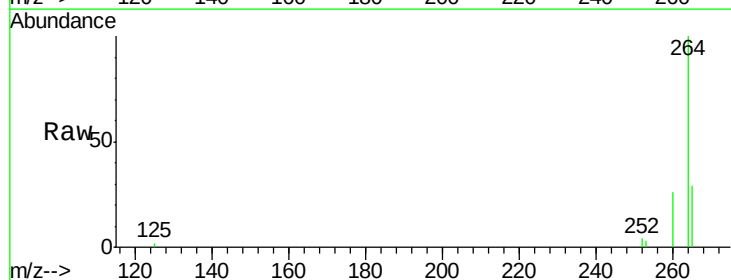
Tgt Ion:264 Resp: 16024

Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

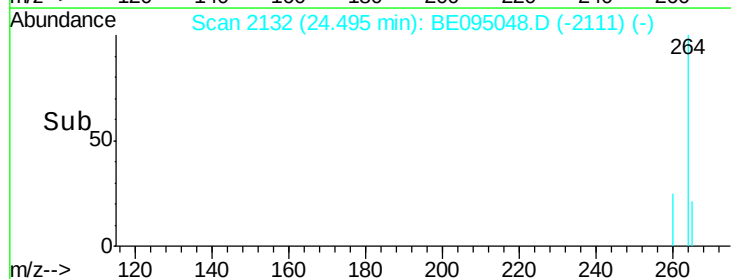
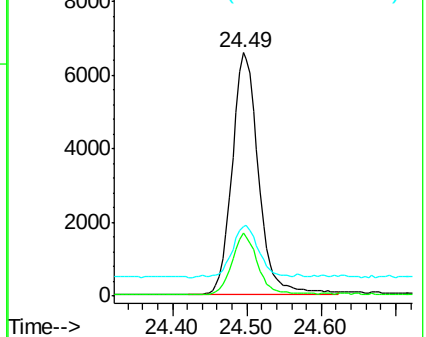
265 28.6 22.8 34.2

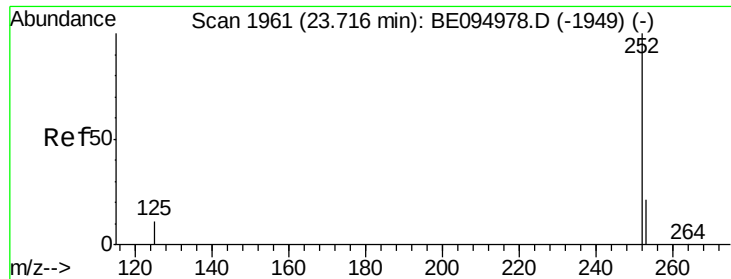


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.337 ng

RT: 23.67 min Scan# 1951

Delta R.T. -0.05 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

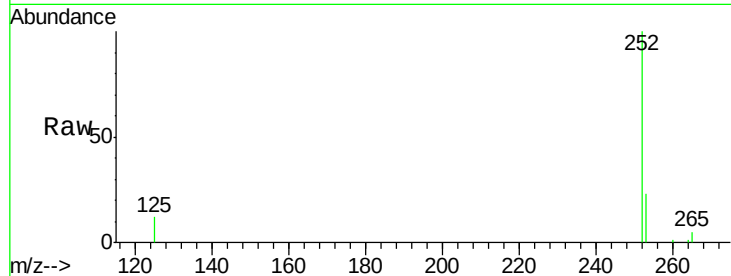
Tgt Ion:252 Resp: 19824

Ion Ratio Lower Upper

252 100

253 22.5 20.0 30.0

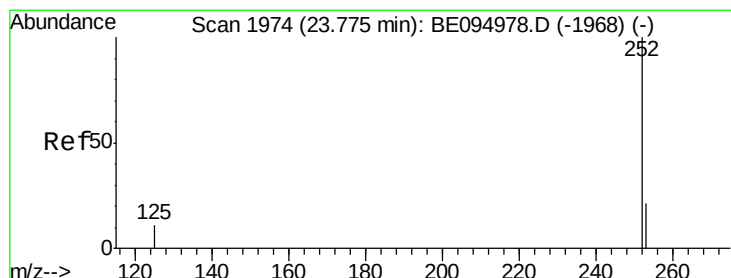
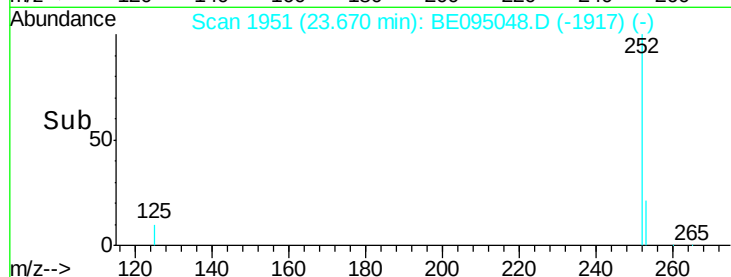
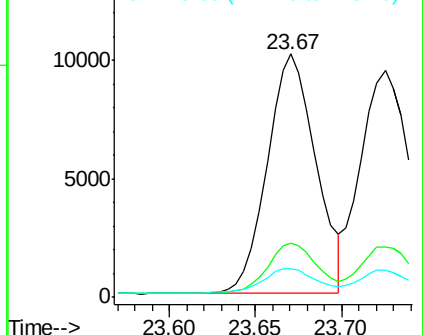
125 11.7 16.0 24.0#



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: 0.326 ng

RT: 23.73 min Scan# 1963

Delta R.T. -0.05 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

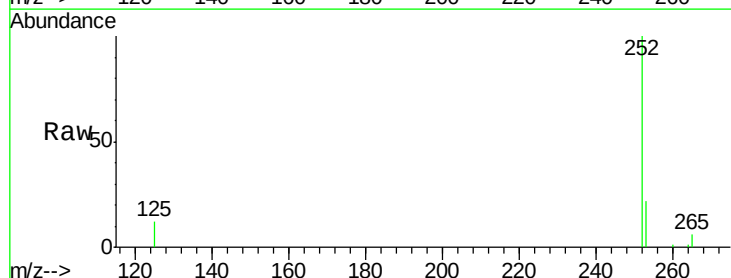
Tgt Ion:252 Resp: 19449

Ion Ratio Lower Upper

252 100

253 22.4 16.0 24.0

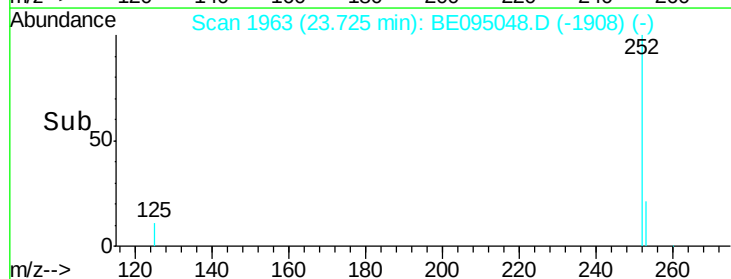
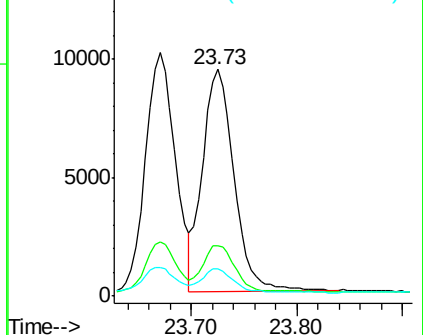
125 12.0 8.0 12.0

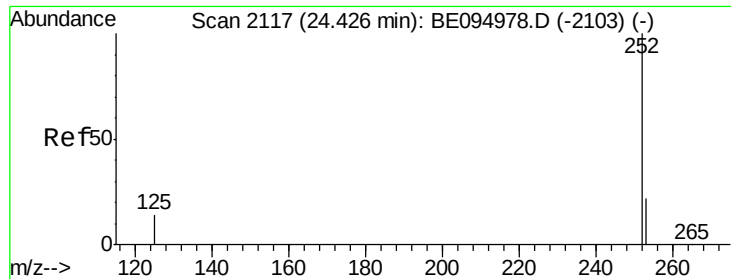


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.359 ng

RT: 24.38 min Scan# 2106

Delta R.T. -0.05 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS

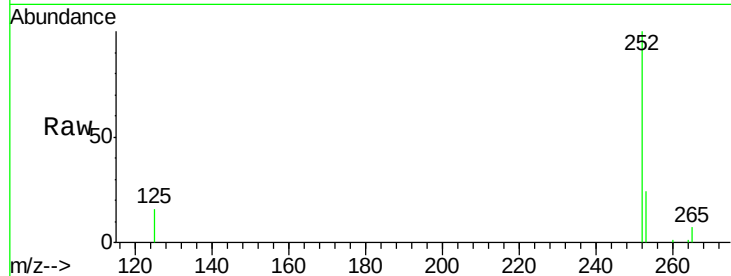
Tgt Ion:252 Resp: 18747

Ion Ratio Lower Upper

252 100

253 24.1 16.0 24.0#

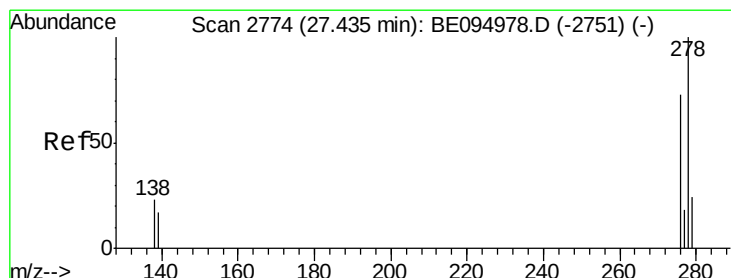
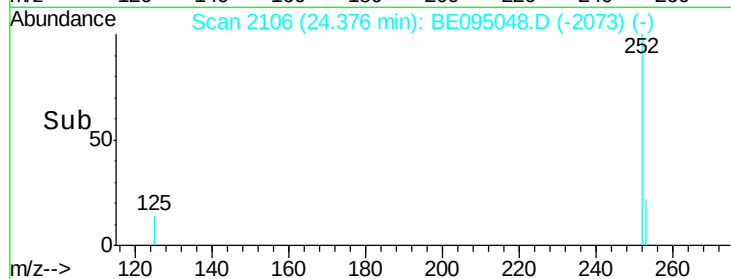
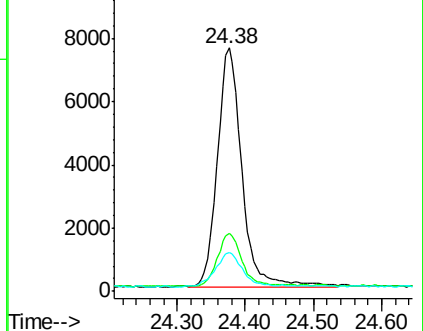
125 16.2 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.351 ng

RT: 27.35 min Scan# 2756

Delta R.T. -0.08 min

Lab File: BE095048.D

Acq: 26 Dec 2017 10:28

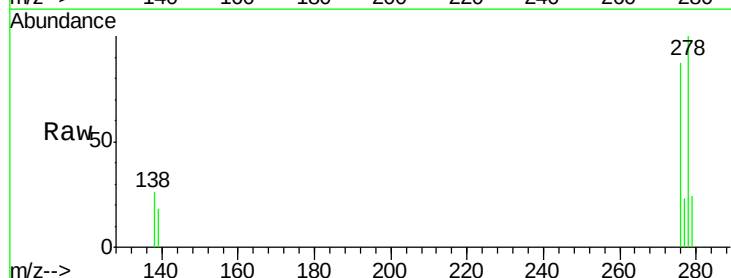
Tgt Ion:278 Resp: 17001

Ion Ratio Lower Upper

278 100

139 18.3 16.0 24.0

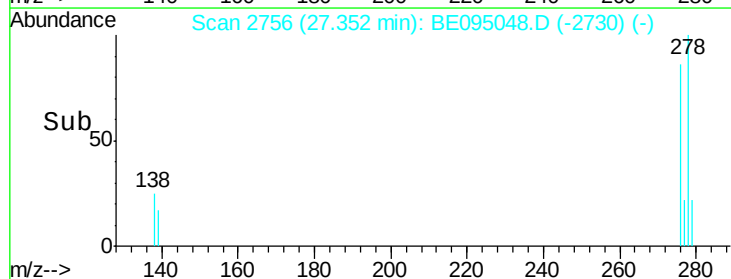
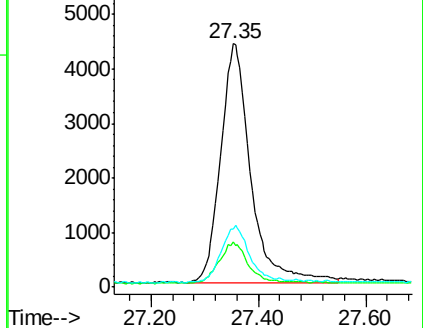
279 23.9 20.0 30.0

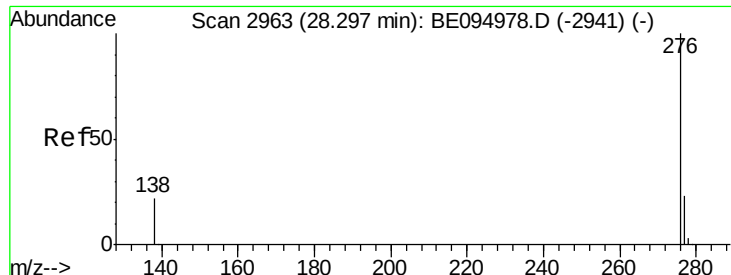


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.364 ng

RT: 28.21 min Scan# 2945

Delta R.T. -0.08 min

Lab File: BE095048.D

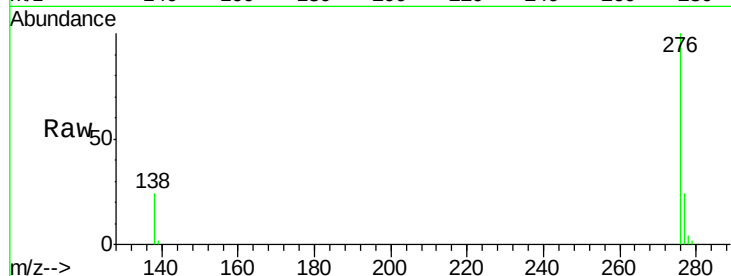
Acq: 26 Dec 2017 10:28

Instrument :

BNA_E

ClientSampleId :

PB105315BS



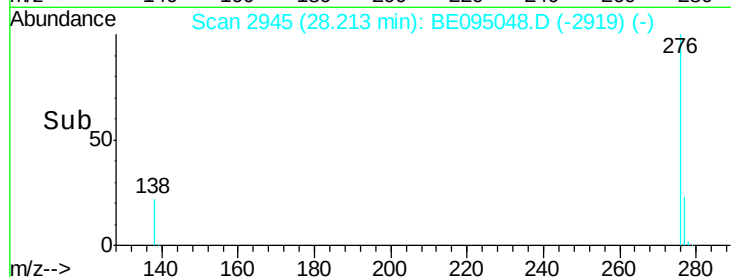
Tgt Ion: 276 Resp: 17568

Ion Ratio Lower Upper

276 100

277 24.2 16.0 24.0#

138 23.6 20.0 30.0



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

