

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121917\
 Data File : BE095038.D
 Acq On : 19 Dec 2017 18:35
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 20 00:49:20 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	5699	0.40	ng	-0.01
7) Naphthalene-d8	11.31	136	14185	0.40	ng	-0.02
13) Acenaphthene-d10	15.05	164	7980	0.40	ng	-0.01
19) Phenanthrene-d10	17.74	188	19130	0.40	ng	-0.03
27) Chrysene-d12	21.84	240	20449	0.40	ng	-0.03
34) Perylene-d12	24.50	264	17508	0.40	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.94	112	3976	0.45	ng	-0.01
5) Phenol-d6	7.58	99	5944	0.45	ng	-0.01
8) Nitrobenzene-d5	9.63	82	4971	0.43	ng	-0.02
11) 2-Methylnaphthalene-d10	12.84	152	9229	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	16.50	330	978	0.53	ng	-0.03
15) 2-Fluorobiphenyl	13.68	172	14011	0.40	ng	-0.01
25) Fluoranthene-d10	19.72	212	97029	0.39	ng	-0.03
29) Terphenyl-d14	20.28	244	16003	0.42	ng	-0.03

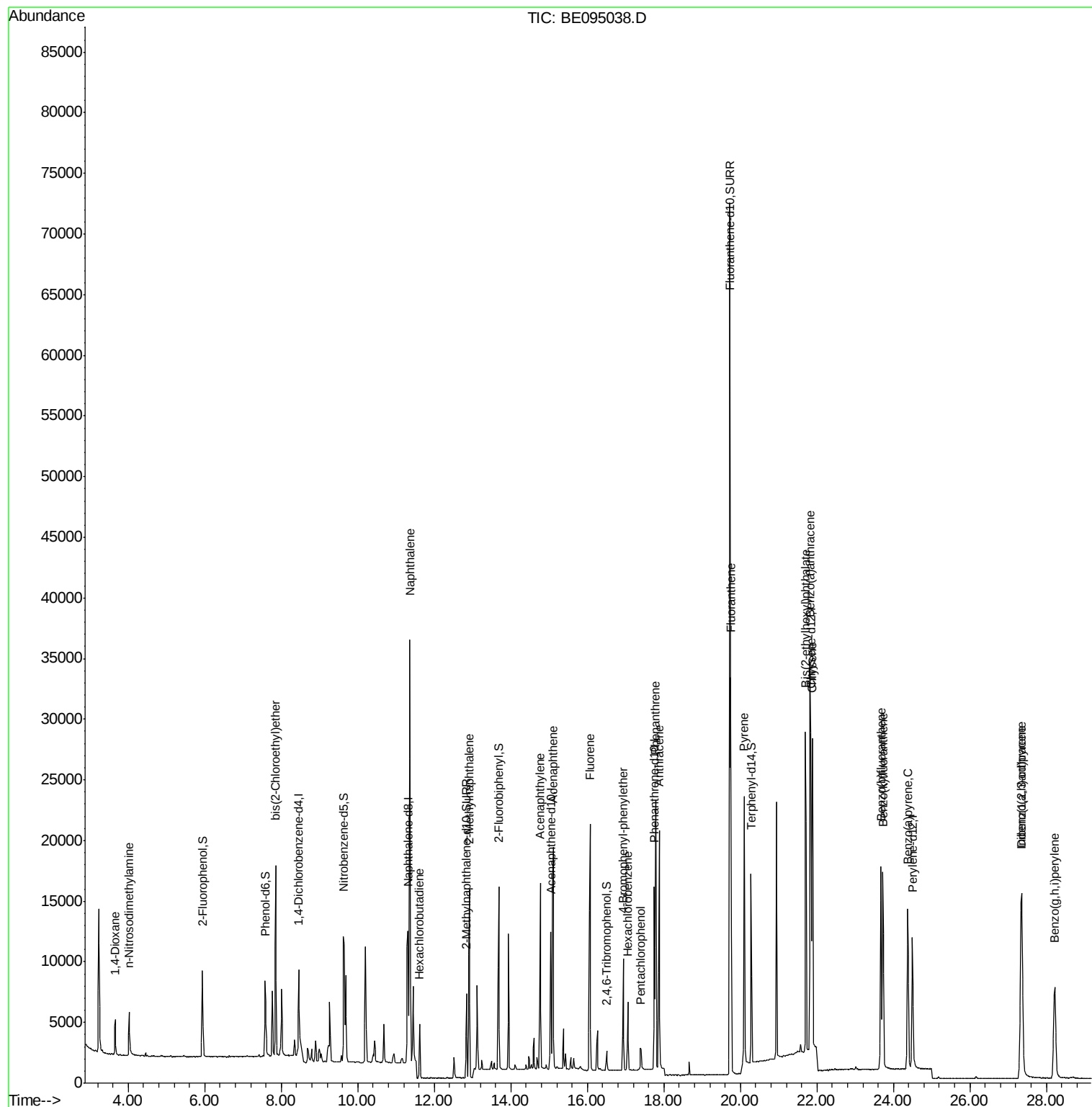
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	2225	0.396	ng	# 90
3) n-Nitrosodimethylamine	4.02	42	2746	0.414	ng	95
6) bis(2-Chloroethyl)ether	7.86	93	5320	0.415	ng	94
9) Naphthalene	11.36	128	63854	0.383	ng	99
10) Hexachlorobutadiene	11.61	225	2905	0.384	ng	98
12) 2-Methylnaphthalene	12.91	142	14816	0.357	ng	98
16) Acenaphthylene	14.77	152	16909	0.396	ng	99
17) Acenaphthene	15.11	154	11145	0.394	ng	96
18) Fluorene	16.07	166	13979	0.398	ng	# 78
20) 4-Bromophenyl-phenylether	16.94	248	4345	0.388	ng	# 88
21) Hexachlorobenzene	17.06	284	4332	0.378	ng	# 82
22) Pentachlorophenol	17.40	266	1259	0.524	ng	# 75
23) Phenanthrene	17.79	178	22946	0.385	ng	97
24) Anthracene	17.88	178	23345	0.382	ng	# 92
26) Fluoranthene	19.75	202	28889	0.393	ng	99
28) Pyrene	20.10	202	32796	0.473	ng	97
30) Benzo(a)anthracene	21.82	228	25841	0.432	ng	# 61
31) Chrysene	21.89	228	28283	0.421	ng	# 63
32) Bis(2-ethylhexyl)phthalate	21.70	149	40506	0.532	ng	100
33) Indeno(1,2,3-cd)pyrene	27.33	276	24517	0.448	ng	99
35) Benzo(b)fluoranthene	23.68	252	24992	0.389	ng	# 90
36) Benzo(k)fluoranthene	23.73	252	24139	0.371	ng	94
37) Benzo(a)pyrene	24.38	252	22485	0.394	ng	# 94
38) Dibenzo(a,h)anthracene	27.36	278	20187	0.382	ng	97
39) Benzo(g,h,i)perylene	28.22	276	20466	0.389	ng	# 93

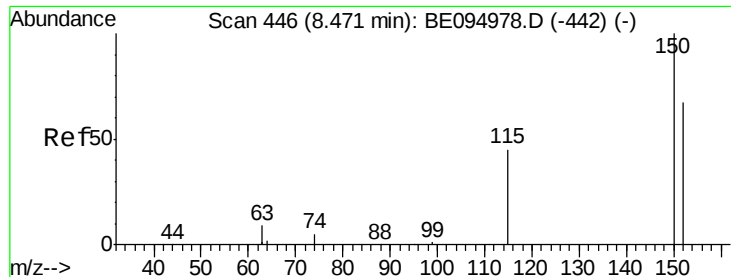
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121917\
Data File : BE095038.D
Acq On : 19 Dec 2017 18:35
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Dec 20 00:49:20 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.46 min Scan# 445

Delta R.T. -0.01 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampled :

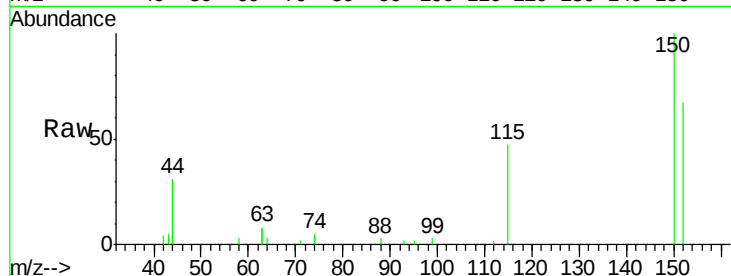
Tot Ion:152 Resp: 5699

Ion Ratio Lower Upper

152 100

150 149.4 117.2 175.8

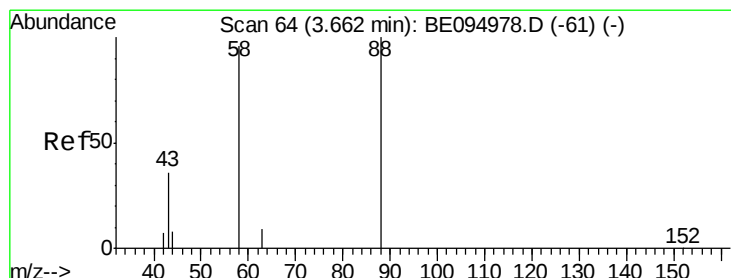
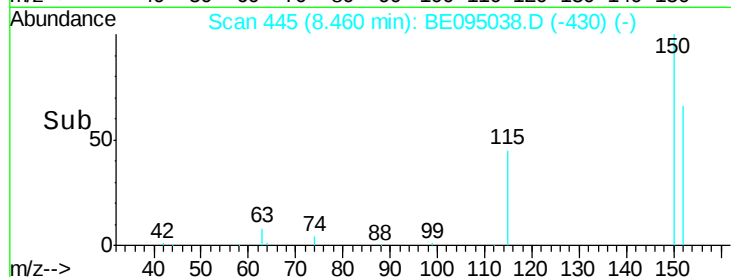
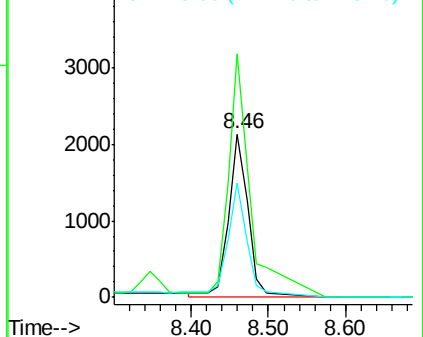
115 70.0 57.0 85.6



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: 0.396 ng

RT: 3.66 min Scan# 64

Delta R.T. 0.00 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

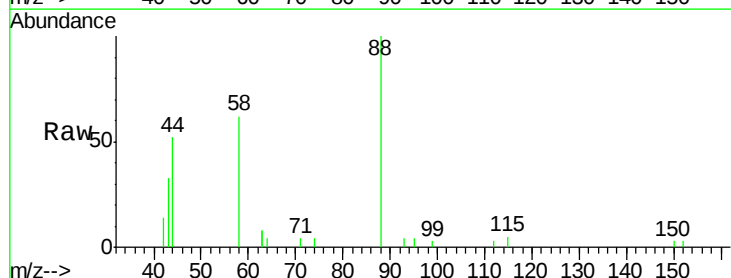
Tgt Ion: 88 Resp: 2225

Ion Ratio Lower Upper

88 100

58 80.7 63.2 94.8

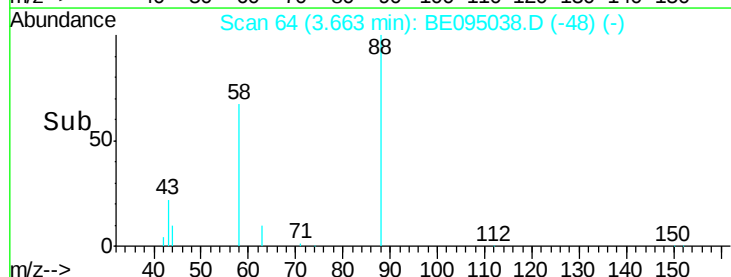
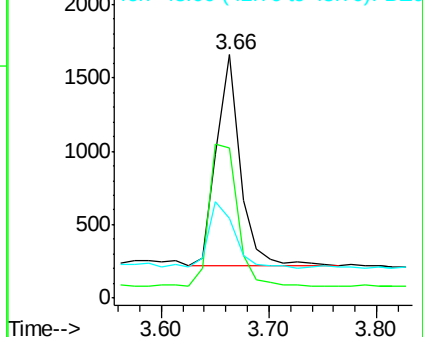
43 35.2 41.2 61.8

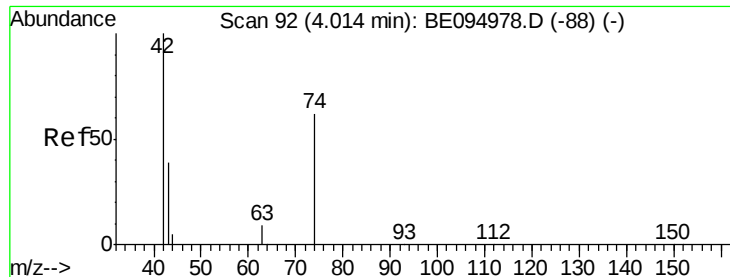


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



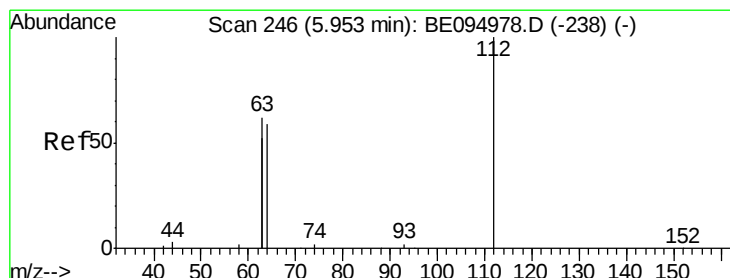
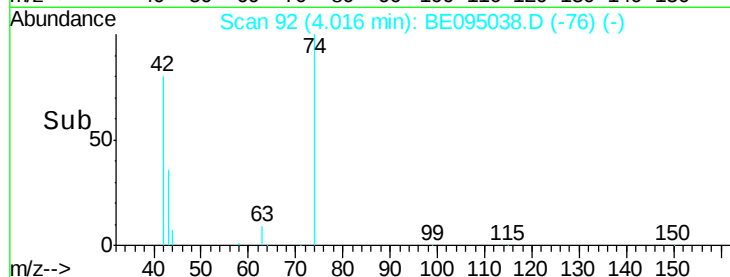
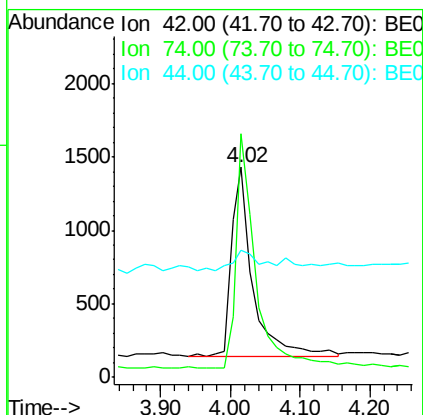
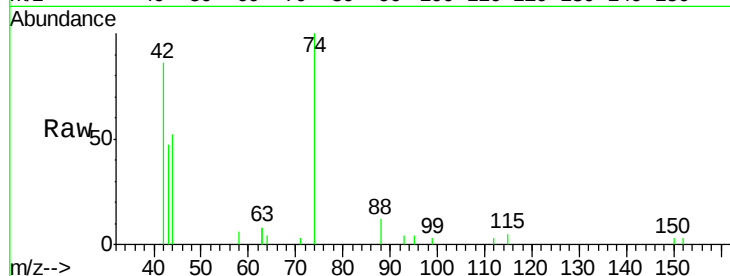


#3

n-Nitrosodimethylamine
Concen: 0.414 ng
RT: 4.02 min Scan# 92
Delta R.T. 0.00 min
Lab File: BE095038.D
Acq: 19 Dec 2017 18:35

Instrument :
BNA_E
ClientSampleId :

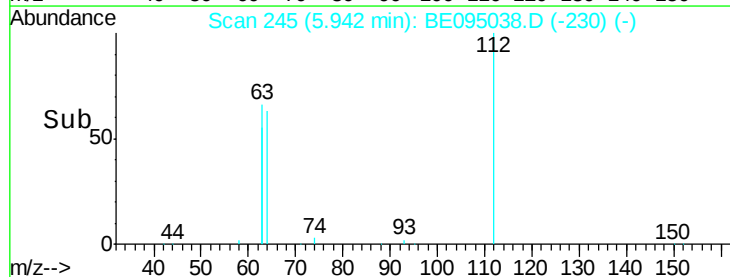
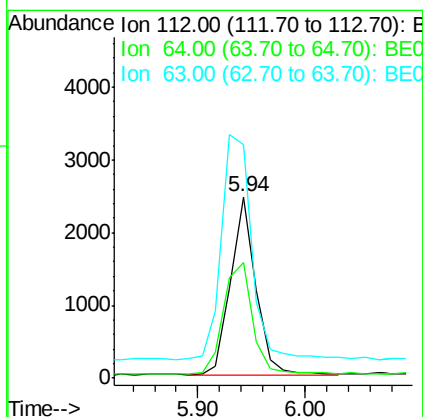
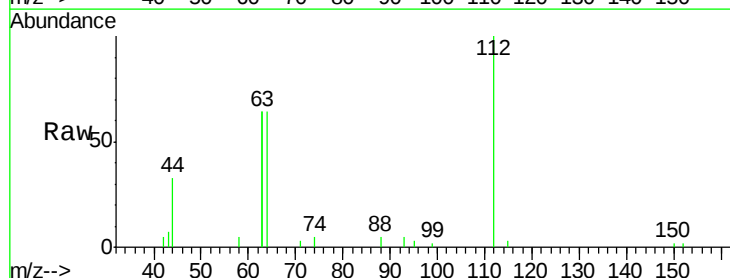
Tot Ion: 42 Resp: 2746
Ion Ratio Lower Upper
42 100
74 114.2 96.0 144.0
44 13.7 12.0 18.0

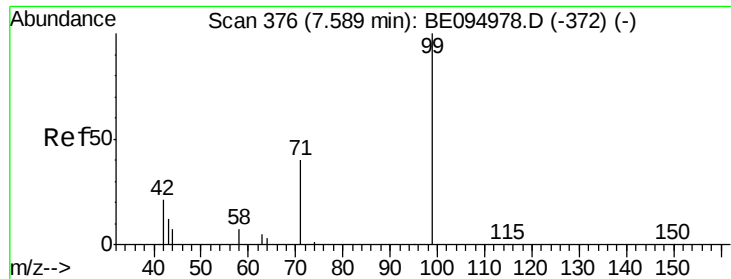


#4

2-Fluorophenol
Concen: 0.449 ng
RT: 5.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: BE095038.D
Acq: 19 Dec 2017 18:35

Tgt Ion: 112 Resp: 3976
Ion Ratio Lower Upper
112 100
64 71.0 60.1 90.1
63 151.9 116.8 175.2





#5

Phenol-d6

Concen: 0.452 ng

RT: 7.58 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

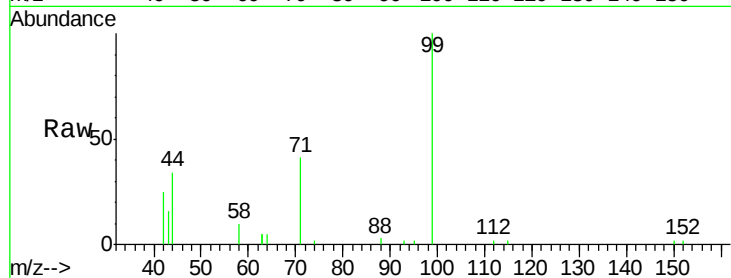
Tot Ion: 99 Resp: 5944

Ion Ratio Lower Upper

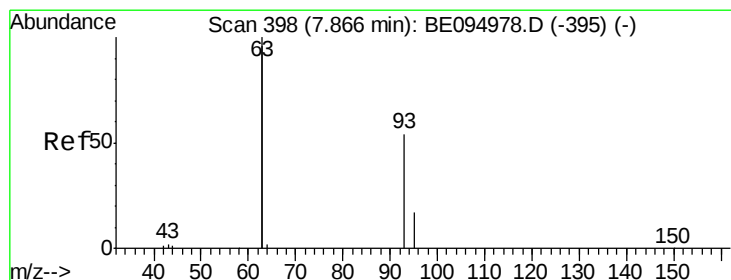
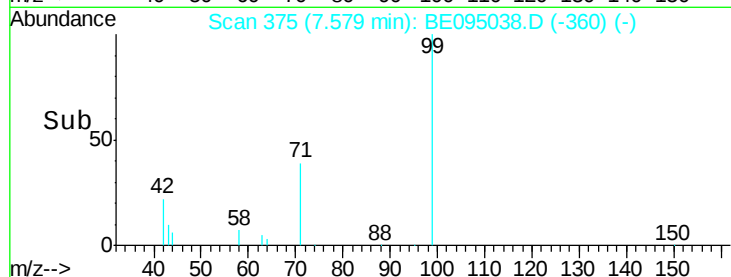
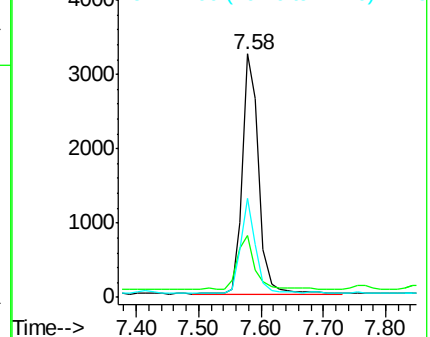
99 100

42 25.5 20.2 30.2

71 36.5 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: 0.415 ng

RT: 7.86 min Scan# 397

Delta R.T. -0.01 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

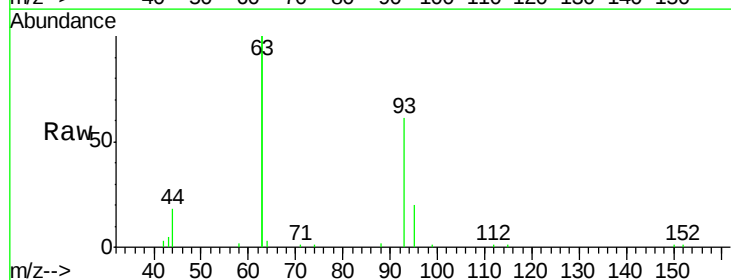
Tgt Ion: 93 Resp: 5320

Ion Ratio Lower Upper

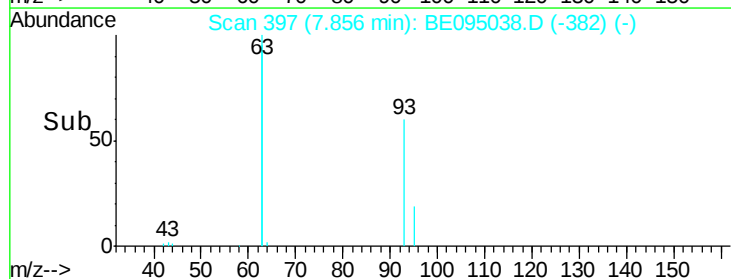
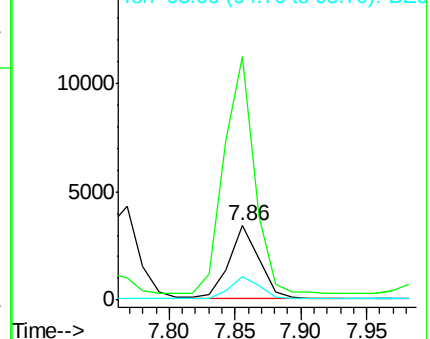
93 100

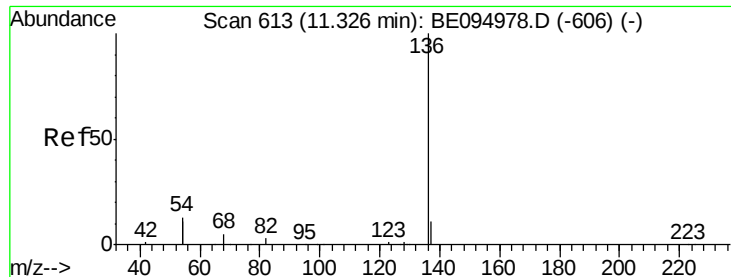
63 330.3 275.3 412.9

95 32.5 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: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 14185

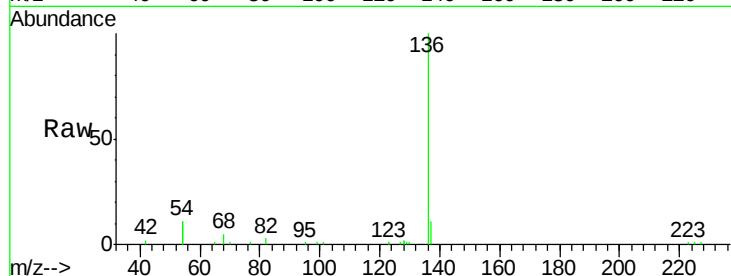
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 21.1 29.1 43.7#

68 4.7 6.2 9.2#

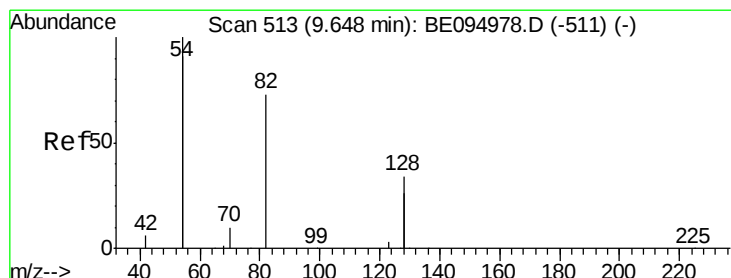
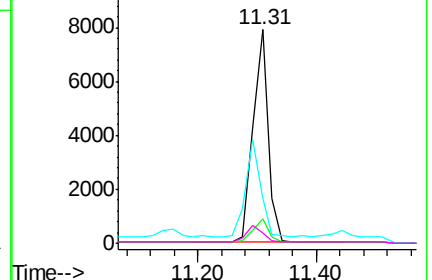
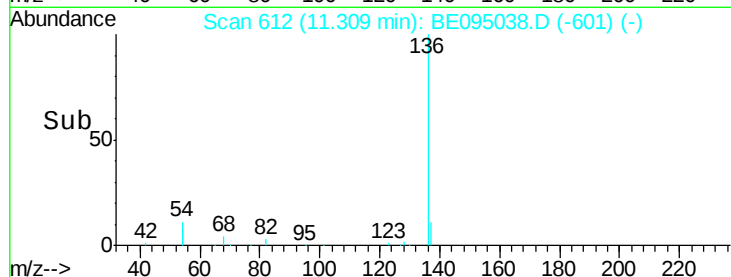


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.427 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.02 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

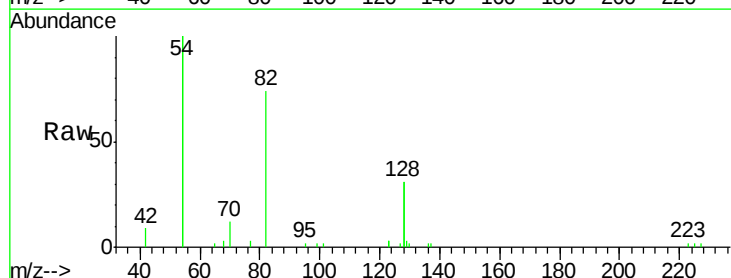
Tgt Ion: 82 Resp: 4971

Ion Ratio Lower Upper

82 100

128 84.3 150.0 225.0#

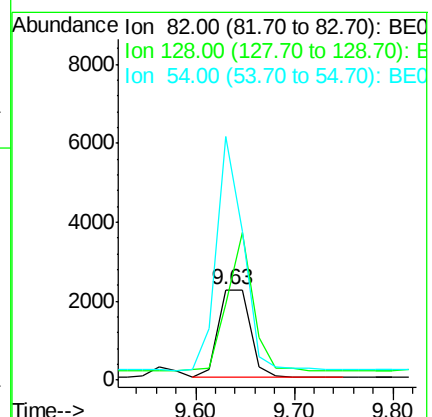
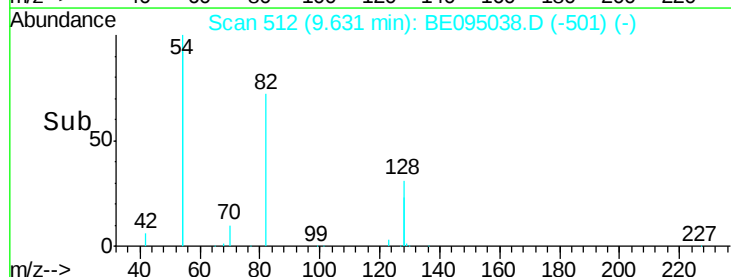
54 270.5 154.2 231.4#

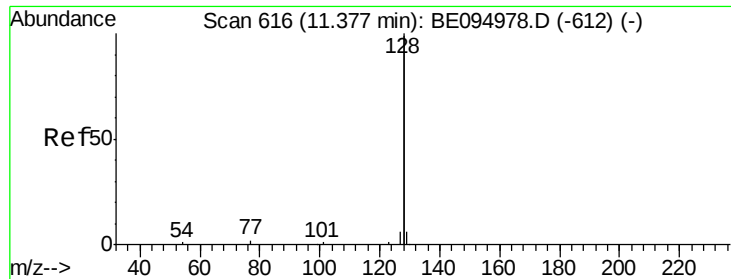


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.383 ng

RT: 11.36 min Scan# 615

Delta R.T. -0.02 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

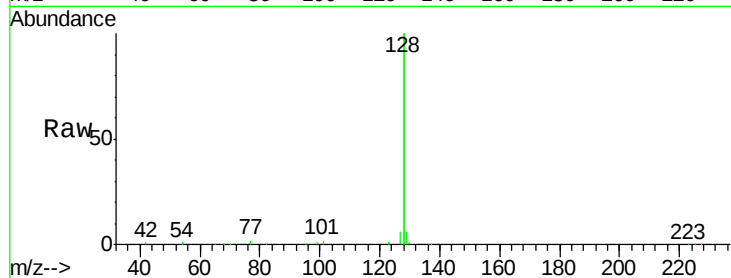
Tot Ion:128 Resp: 63854

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

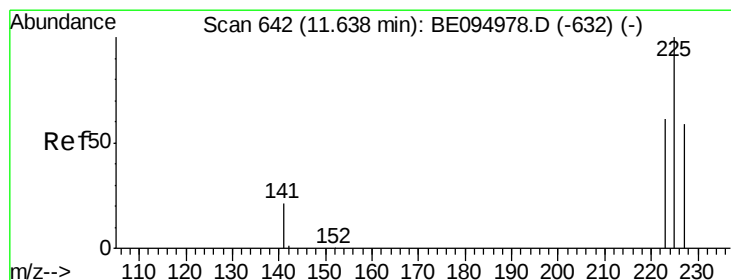
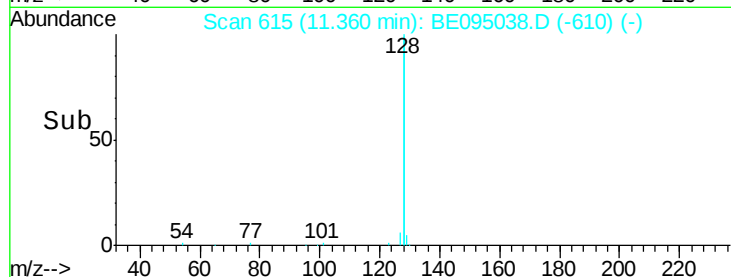
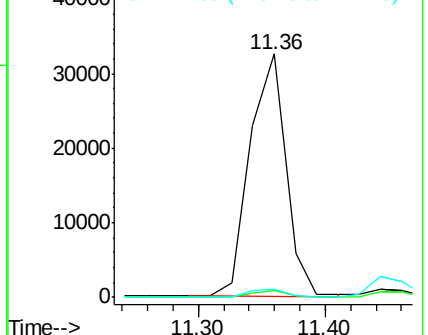
127 3.1 2.8 4.2



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: 0.384 ng

RT: 11.61 min Scan# 638

Delta R.T. -0.02 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

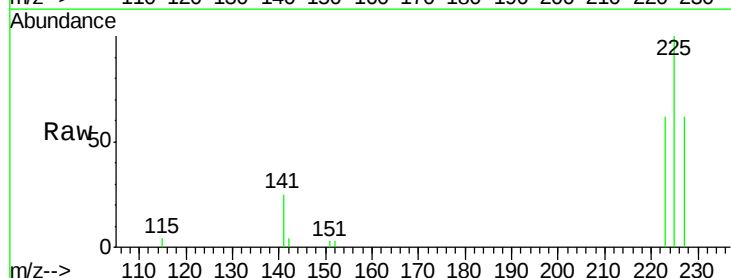
Tgt Ion:225 Resp: 2905

Ion Ratio Lower Upper

225 100

223 63.4 53.0 79.6

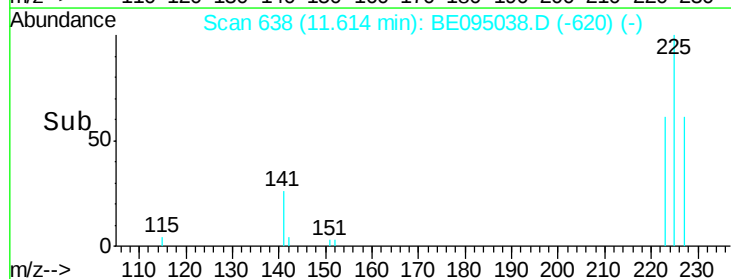
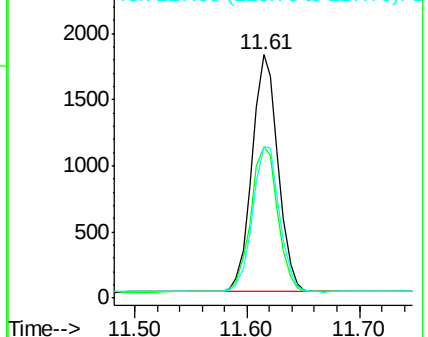
227 63.3 51.4 77.2

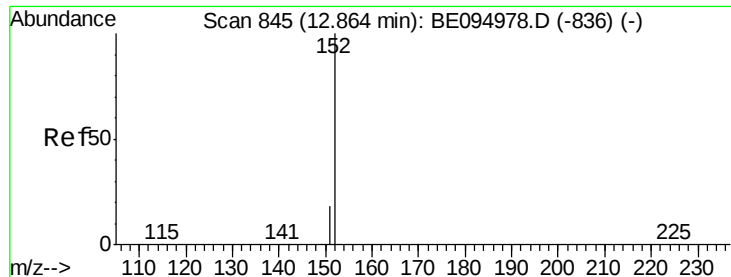


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

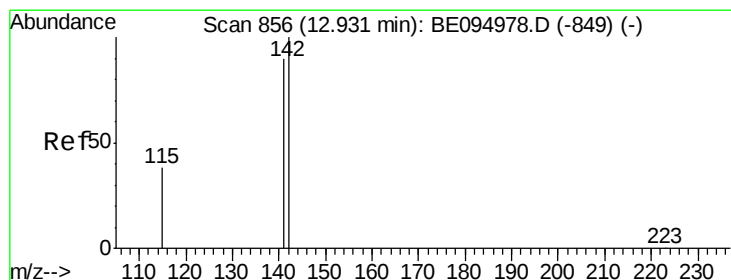
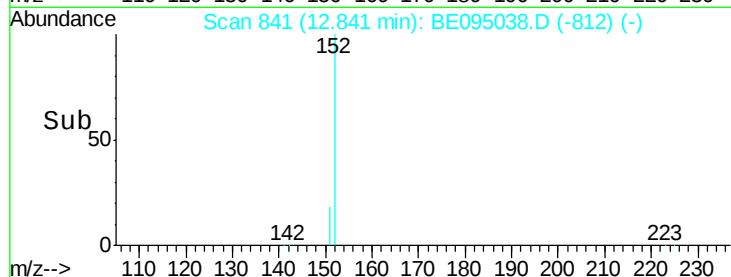
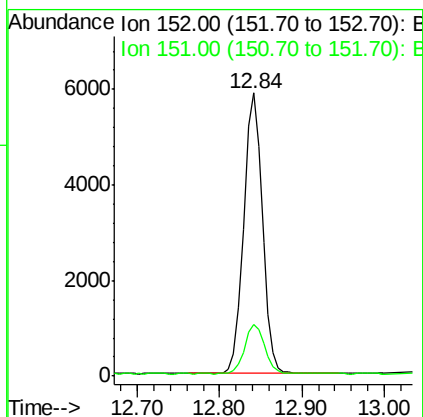
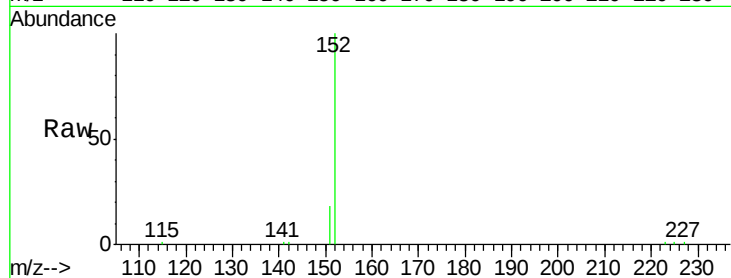




#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 12.84 min Scan# 841
Delta R.T. -0.02 min
Lab File: BE095038.D
Acq: 19 Dec 2017 18:35

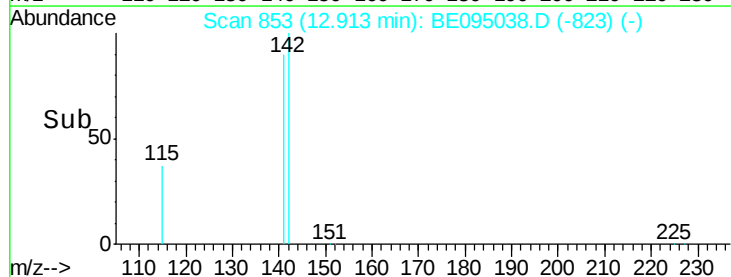
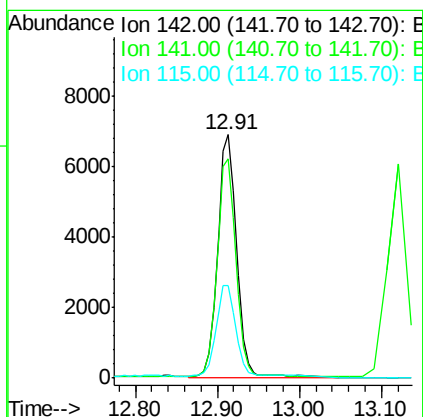
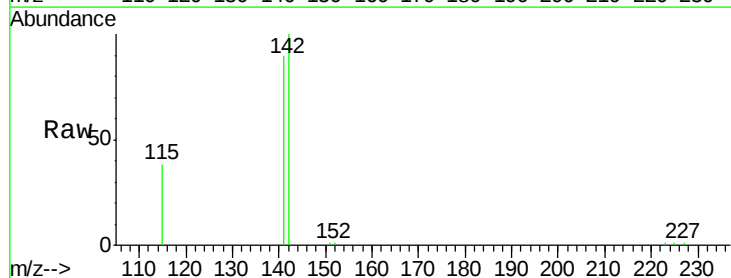
Instrument :
BNA_E
ClientSampleId :

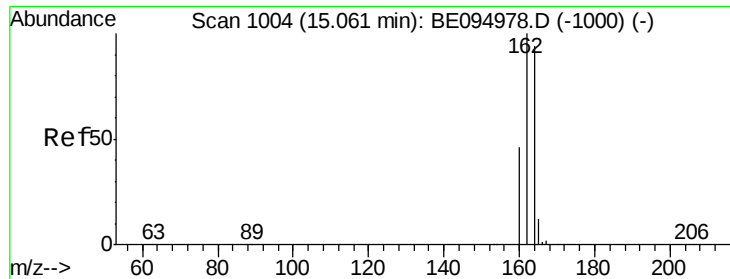
Tot Ion:152 Resp: 9229
Ion Ratio Lower Upper
152 100
151 18.9 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.357 ng
RT: 12.91 min Scan# 853
Delta R.T. -0.02 min
Lab File: BE095038.D
Acq: 19 Dec 2017 18:35

Tgt Ion:142 Resp: 14816
Ion Ratio Lower Upper
142 100
141 90.0 70.4 105.6
115 37.8 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: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

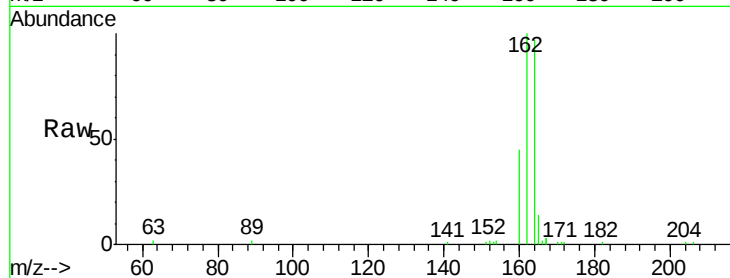
Tot Ion:164 Resp: 7980

Ion Ratio Lower Upper

164 100

162 102.9 83.1 124.7

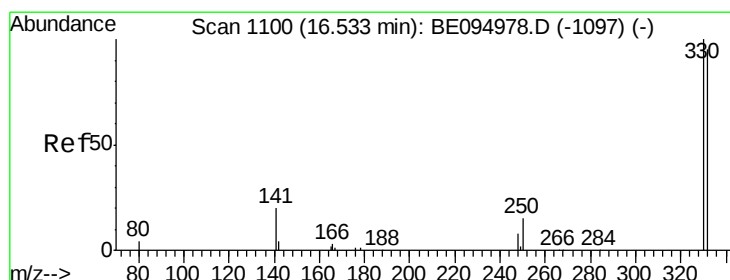
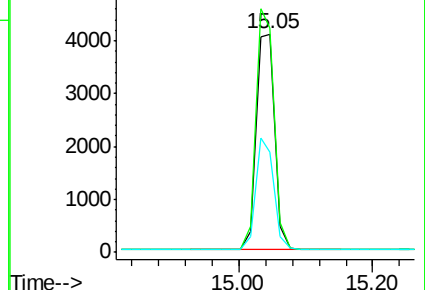
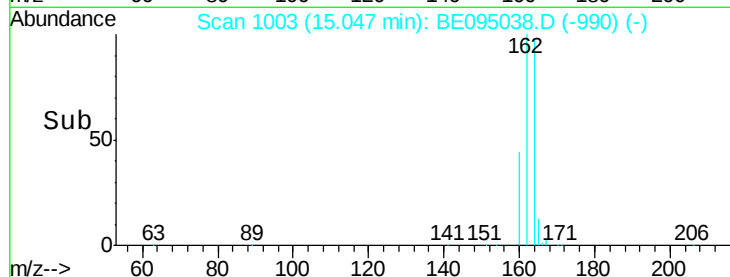
160 45.9 37.1 55.7



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: 0.527 ng

RT: 16.50 min Scan# 1098

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

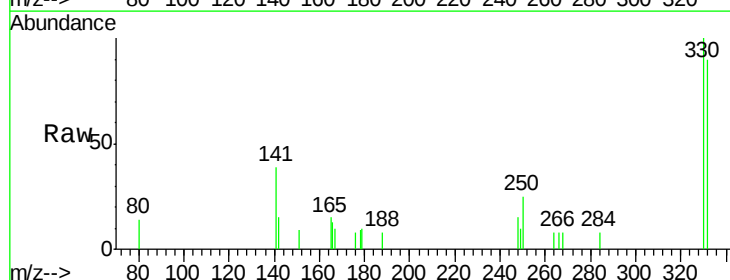
Tgt Ion:330 Resp: 978

Ion Ratio Lower Upper

330 100

332 91.6 152.7 229.1#

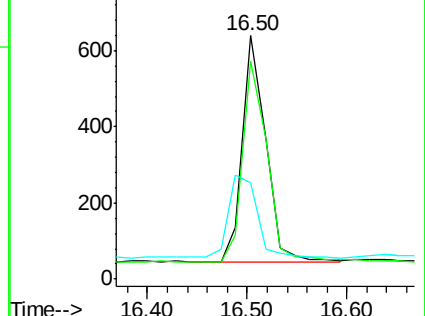
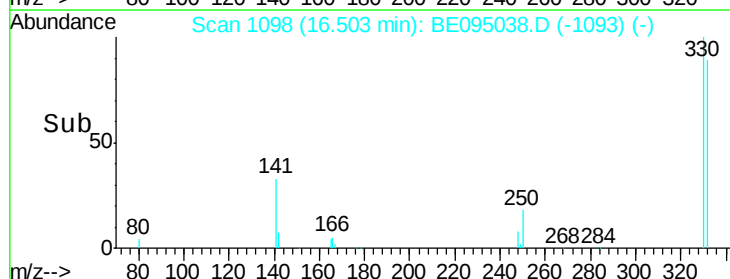
141 45.0 33.7 50.5

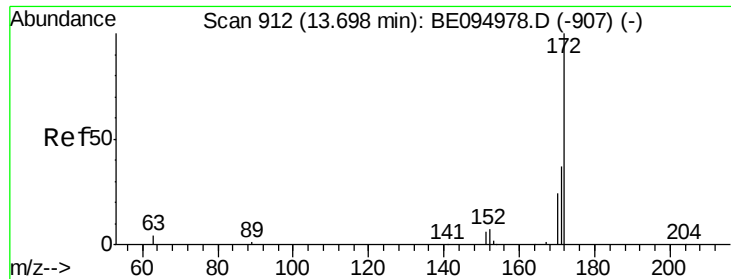


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

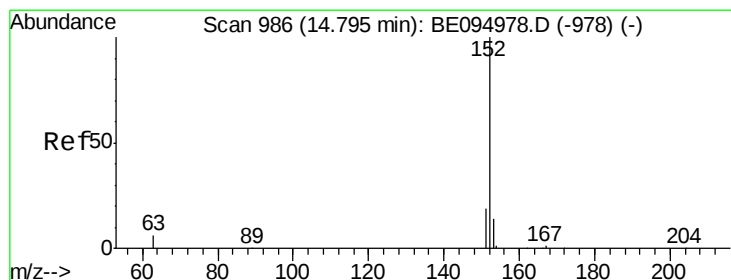
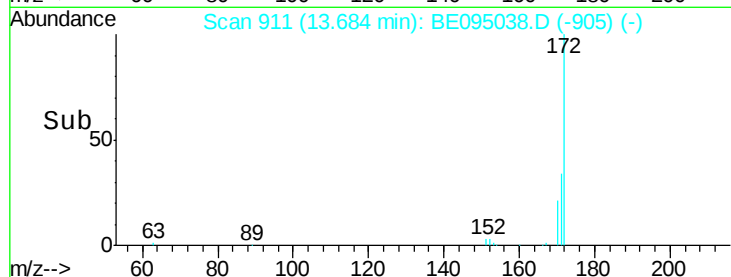
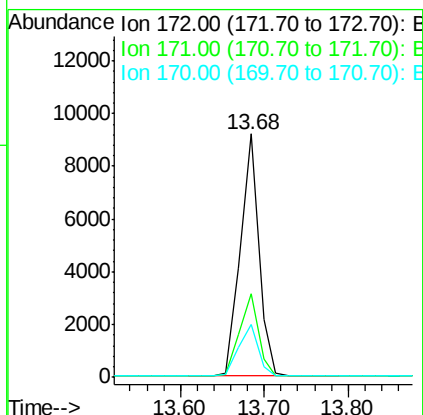
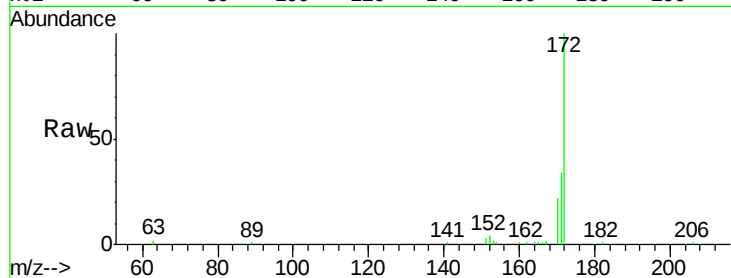




#15
2-Fluorobiphenyl
Concen: 0.396 ng
RT: 13.68 min Scan# 911
Delta R.T. -0.01 min
Lab File: BE095038.D
Acq: 19 Dec 2017 18:35

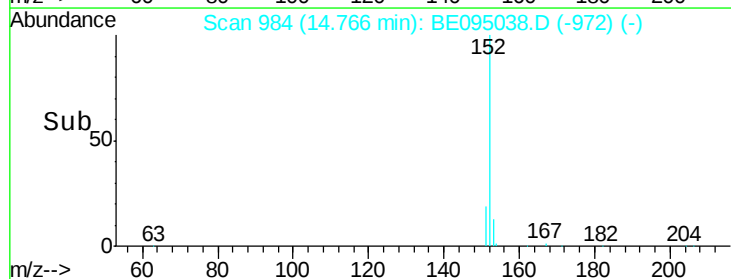
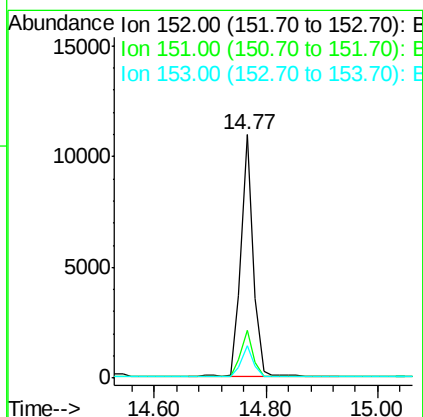
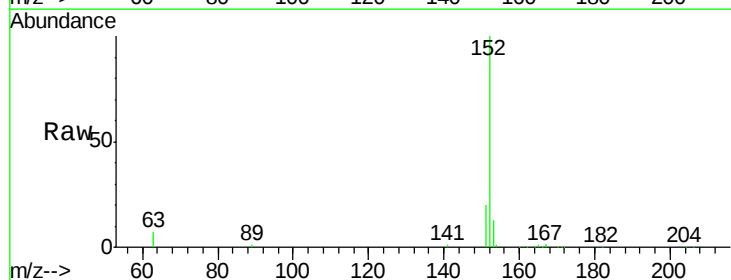
Instrument :
BNA_E
ClientSampleId :

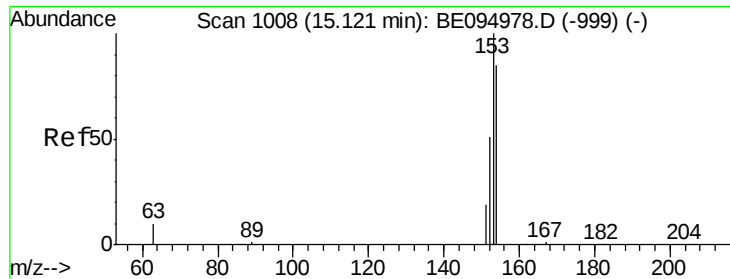
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.9	44.9
170	21.5	21.8	32.8



#16
Acenaphthylene
Concen: 0.396 ng
RT: 14.77 min Scan# 984
Delta R.T. -0.03 min
Lab File: BE095038.D
Acq: 19 Dec 2017 18:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.7	23.5
153	12.7	10.5	15.7

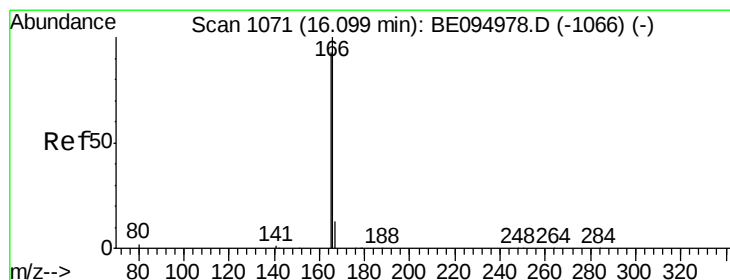
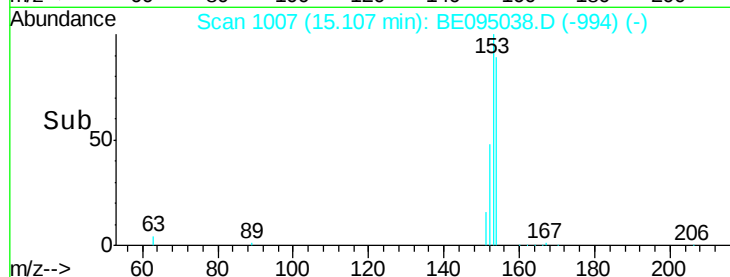
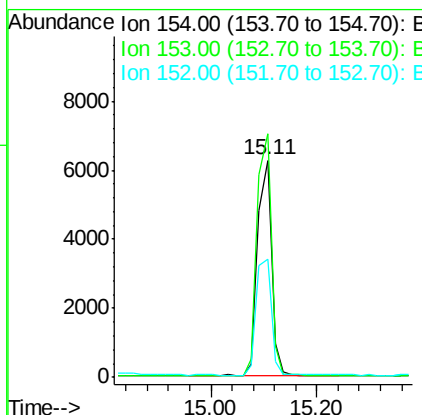
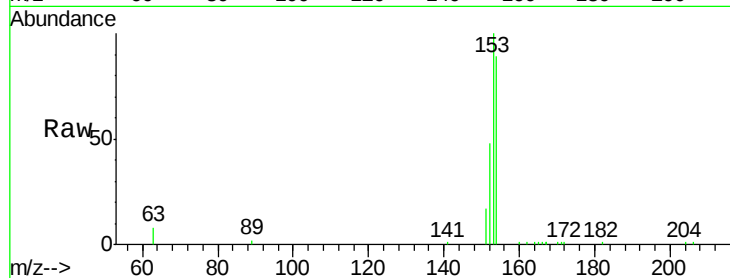




#17
Acenaphthene
Concen: 0.394 ng
RT: 15.11 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BE095038.D
Acq: 19 Dec 2017 18:35

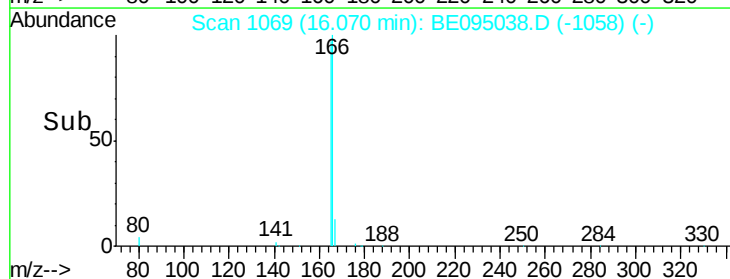
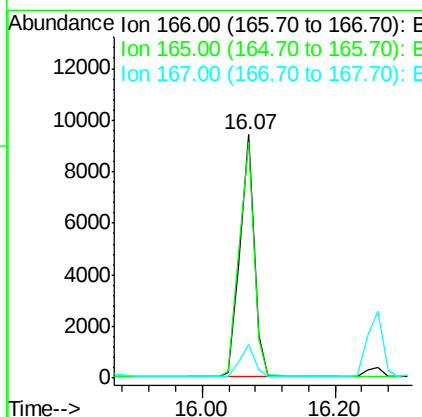
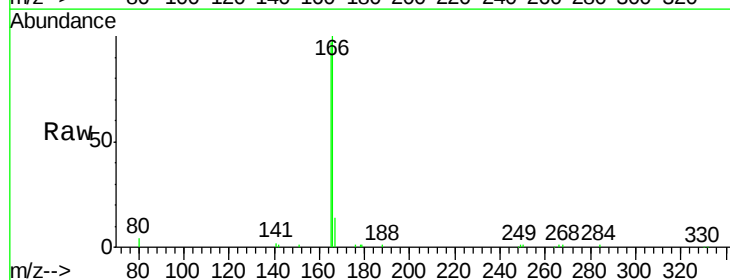
Instrument :
BNA_E
ClientSampleId :

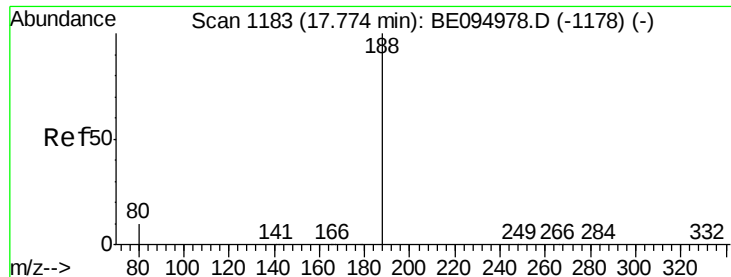
Tot Ion:154 Resp: 11145
Ion Ratio Lower Upper
154 100
153 114.0 89.2 133.8
152 58.1 42.0 63.0



#18
Fluorene
Concen: 0.398 ng
RT: 16.07 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BE095038.D
Acq: 19 Dec 2017 18:35

Tgt Ion:166 Resp: 13979
Ion Ratio Lower Upper
166 100
165 100.9 77.8 116.6
167 13.6 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

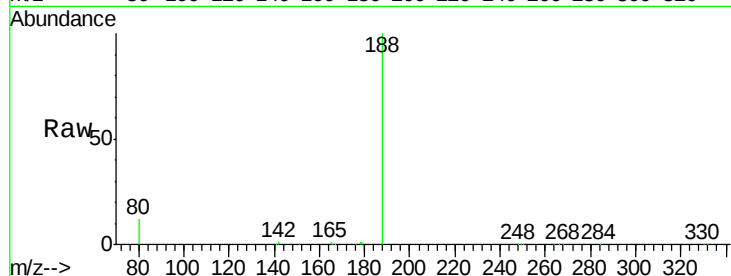
Tot Ion:188 Resp: 19130

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

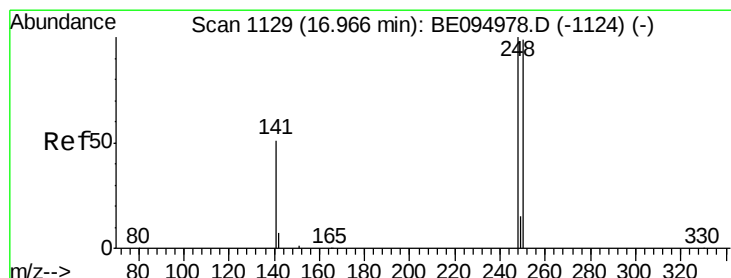
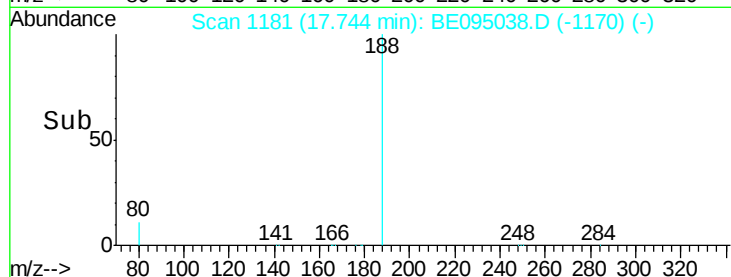
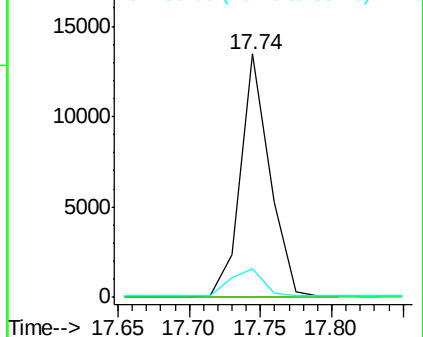
80 11.9 3.6 5.4#



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: 0.388 ng

RT: 16.94 min Scan# 1127

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

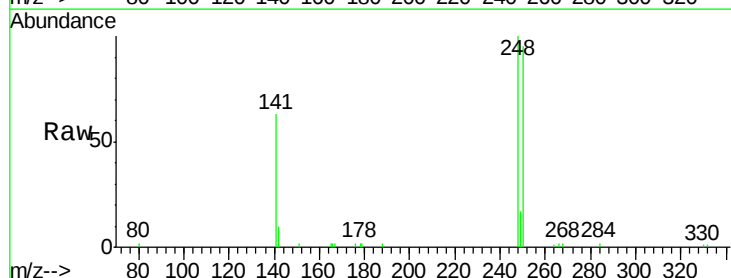
Tgt Ion:248 Resp: 4345

Ion Ratio Lower Upper

248 100

250 95.0 62.7 94.1#

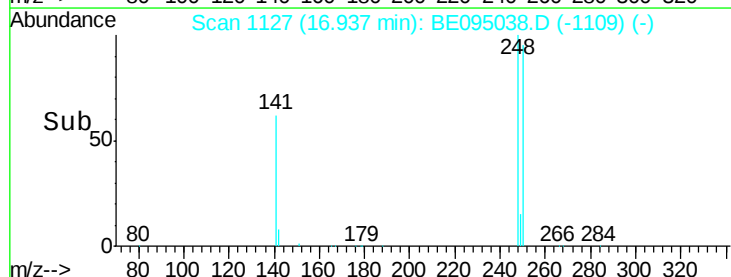
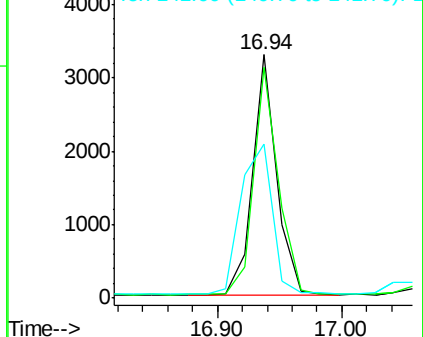
141 63.1 48.2 72.2

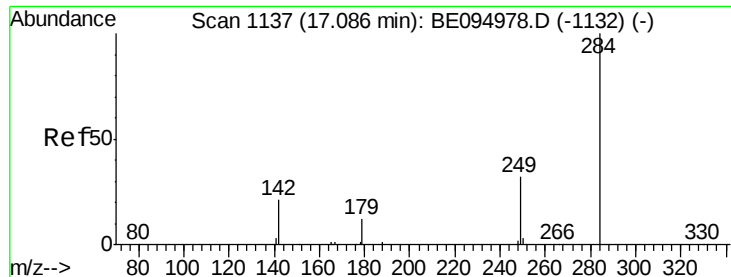


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.378 ng

RT: 17.06 min Scan# 1135

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

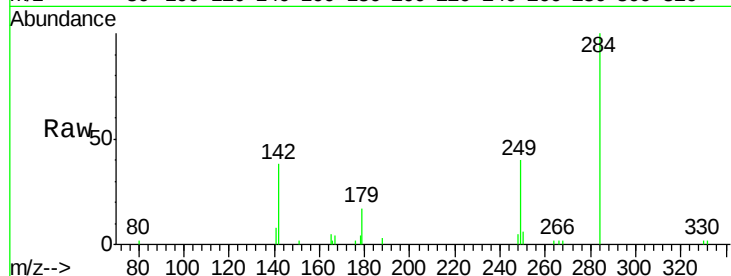
Tot Ion:284 Resp: 4332

Ion Ratio Lower Upper

284 100

142 41.4 22.1 33.1#

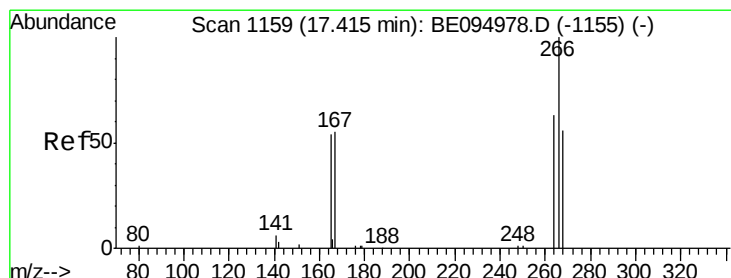
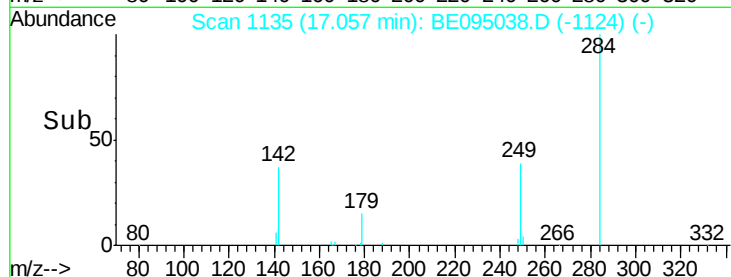
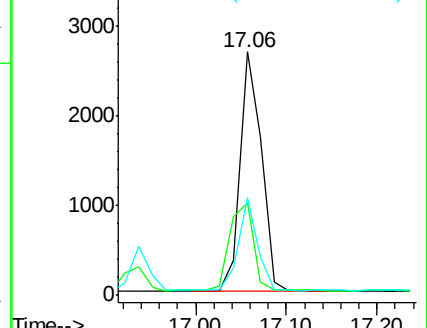
249 34.9 34.8 52.2



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: 0.524 ng

RT: 17.40 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

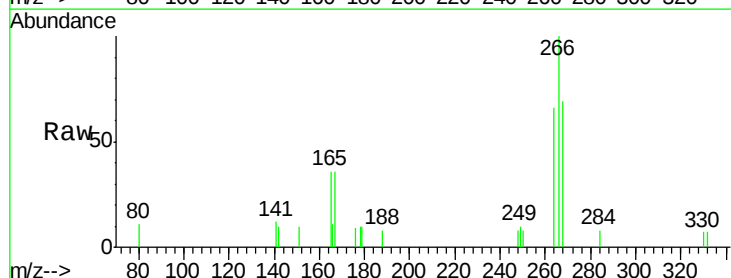
Tgt Ion:266 Resp: 1259

Ion Ratio Lower Upper

266 100

264 66.5 72.5 108.7#

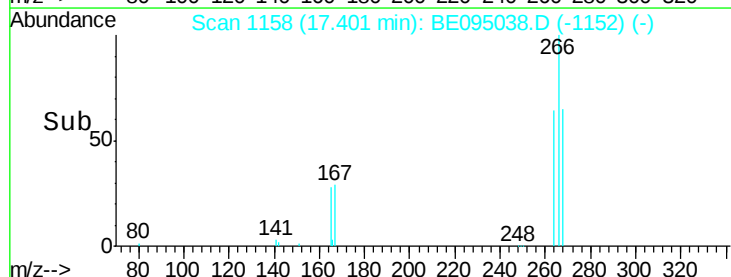
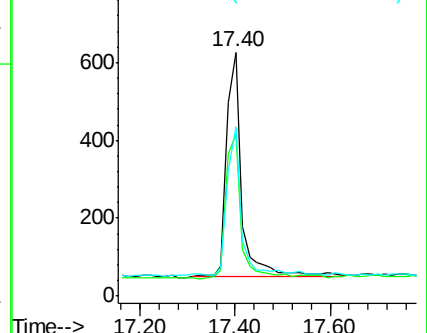
268 69.3 73.8 110.6#

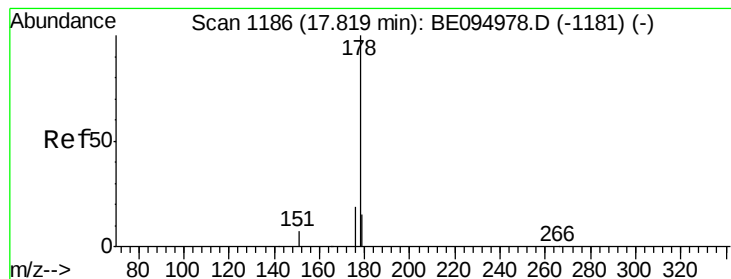


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.385 ng

RT: 17.79 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

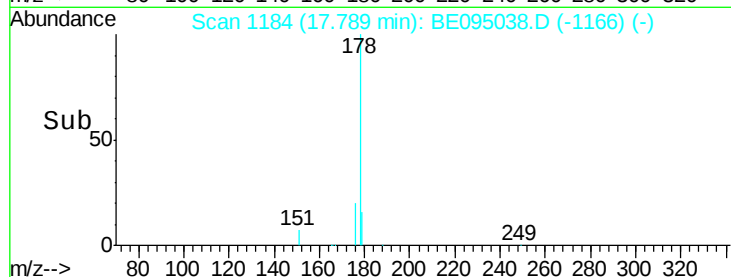
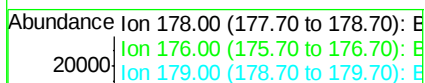
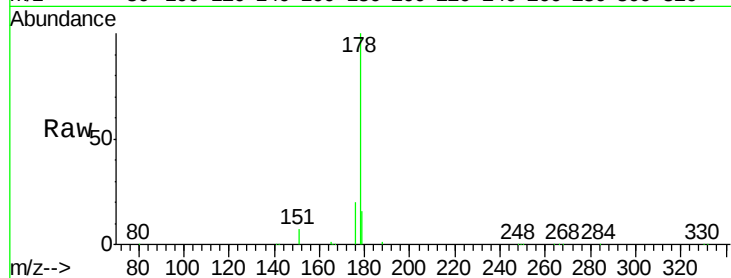
Tot Ion:178 Resp: 22946

Ion Ratio Lower Upper

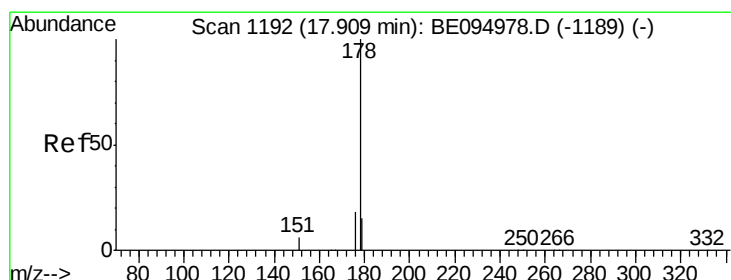
178 100

176 20.2 15.1 22.7

179 15.9 11.8 17.6



Time-->



#24

Anthracene

Concen: 0.382 ng

RT: 17.88 min Scan# 1190

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

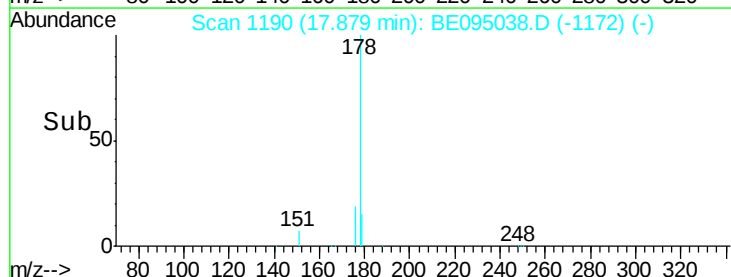
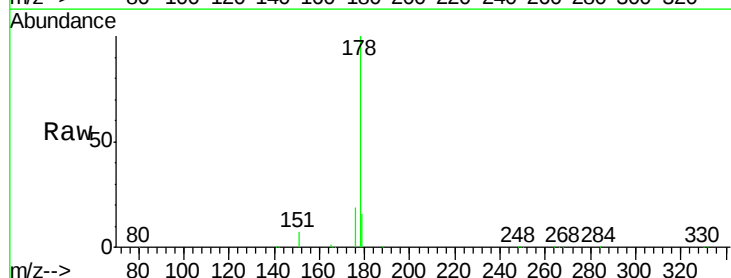
Tgt Ion:178 Resp: 23345

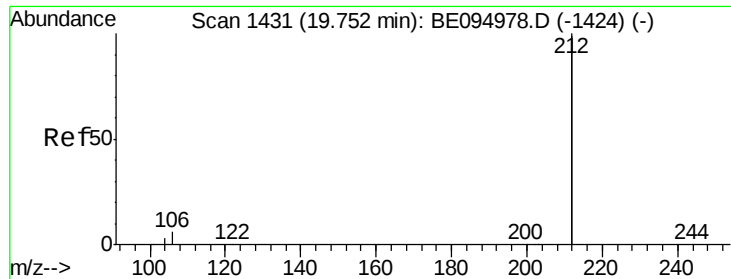
Ion Ratio Lower Upper

178 100

176 21.2 12.8 19.2#

179 18.3 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.391 ng

RT: 19.72 min Scan# 1427

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

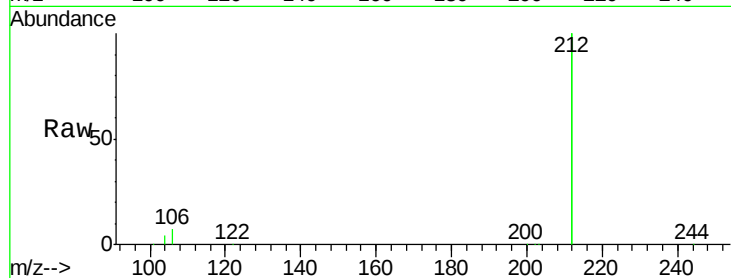
Tot Ion:212 Resp: 97029

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

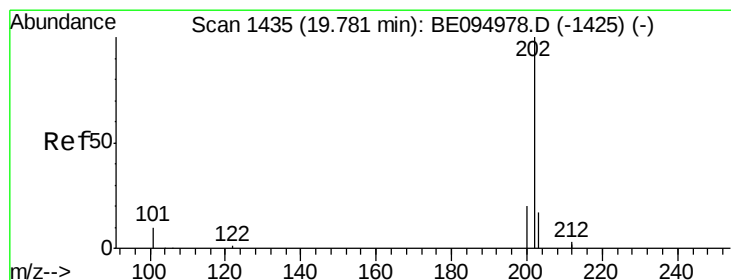
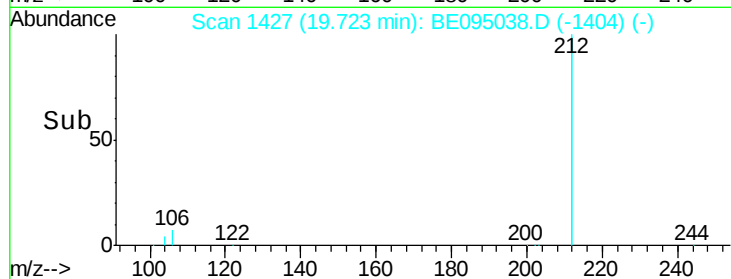
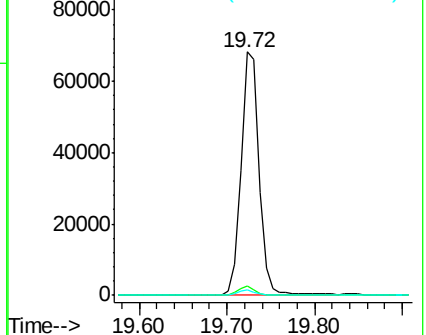
104 1.9 1.6 2.4



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: 0.393 ng

RT: 19.75 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

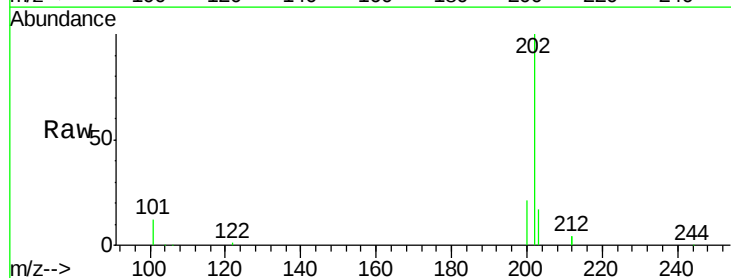
Tgt Ion:202 Resp: 28889

Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.8

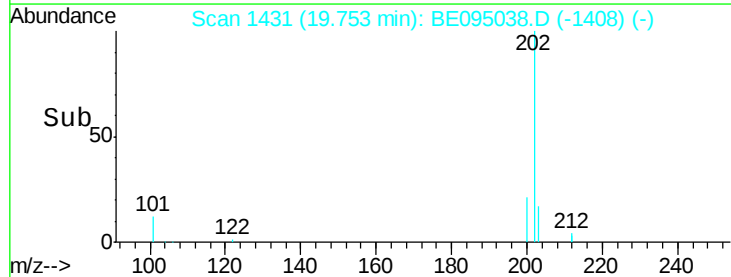
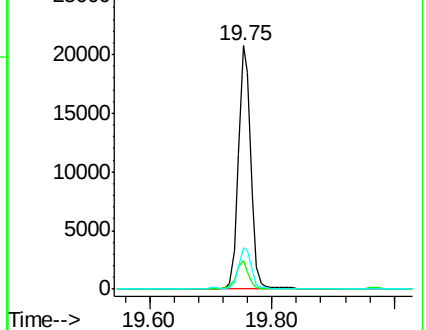
203 16.9 13.7 20.5

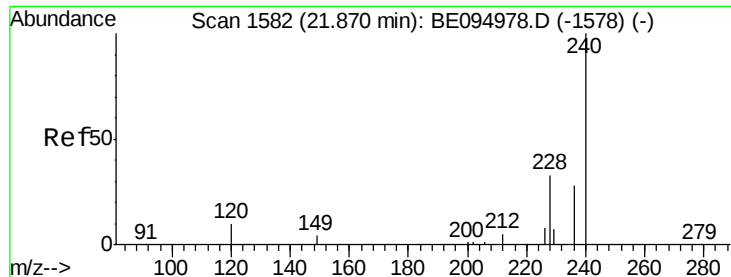


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

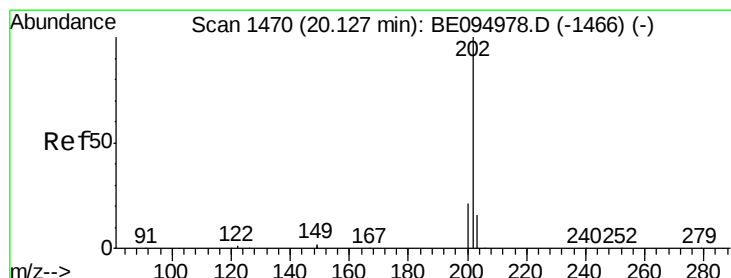
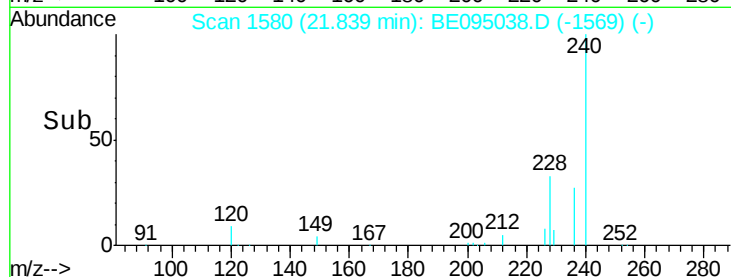
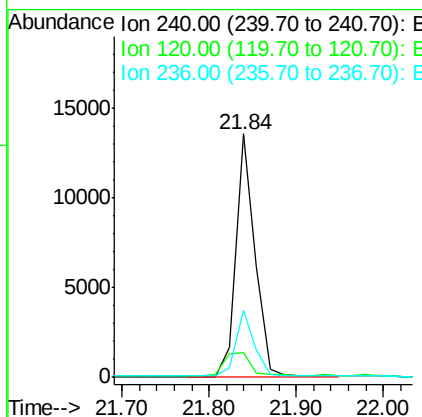
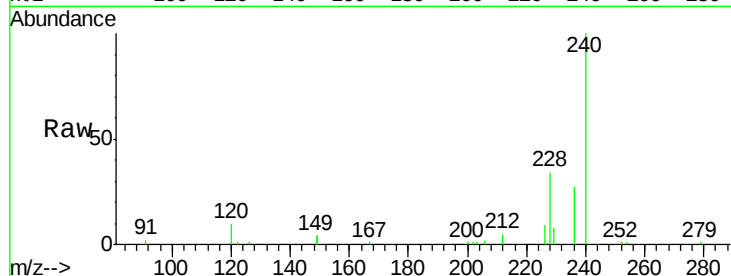




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.84 min Scan# 1580
Delta R.T. -0.03 min
Lab File: BE095038.D
Acq: 19 Dec 2017 18:35

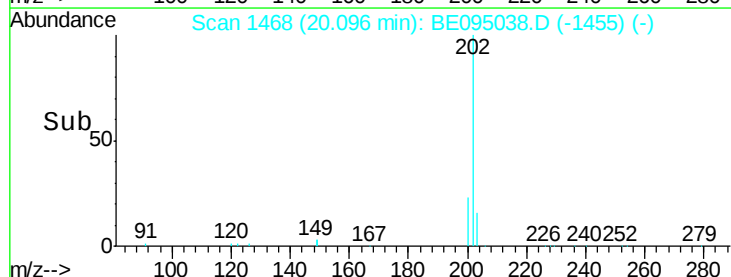
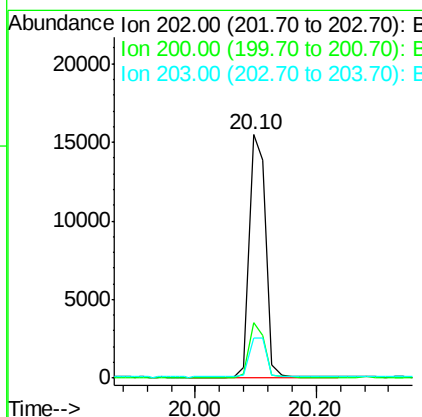
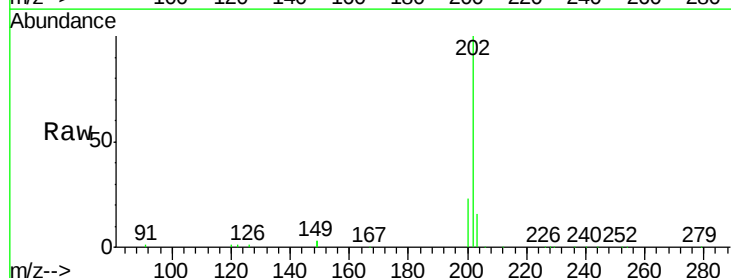
Instrument :
BNA_E
ClientSampleId :

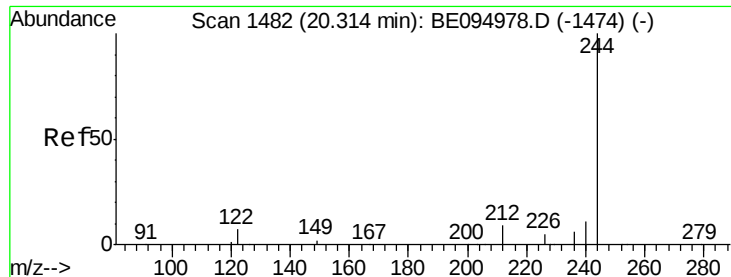
Tot Ion:240 Resp: 20449
Ion Ratio Lower Upper
240 100
120 10.3 5.5 8.3#
236 27.5 20.7 31.1



#28
Pyrene
Concen: 0.473 ng
RT: 20.10 min Scan# 1468
Delta R.T. -0.03 min
Lab File: BE095038.D
Acq: 19 Dec 2017 18:35

Tgt Ion:202 Resp: 32796
Ion Ratio Lower Upper
202 100
200 18.8 16.6 25.0
203 17.6 13.8 20.8





#29

Terphenyl-d14

Concen: 0.416 ng

RT: 20.28 min Scan# 1480

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

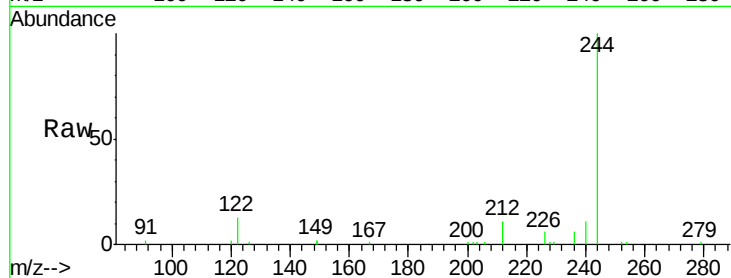
Tot Ion:244 Resp: 16003

Ion Ratio Lower Upper

244 100

212 10.9 25.4 38.0#

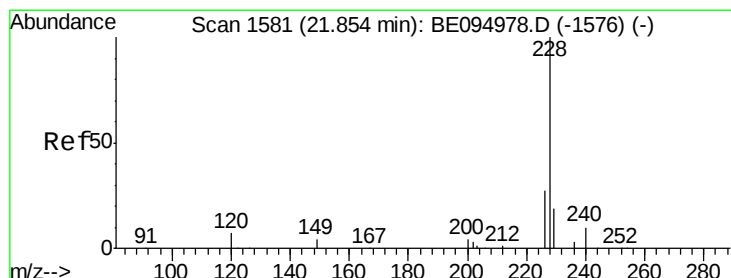
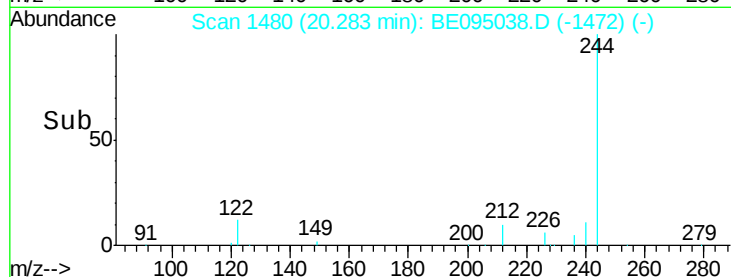
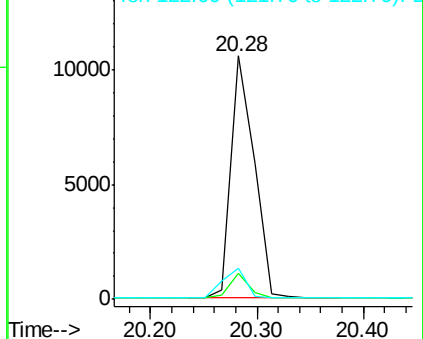
122 12.6 8.1 12.1#



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: 0.432 ng

RT: 21.82 min Scan# 1579

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

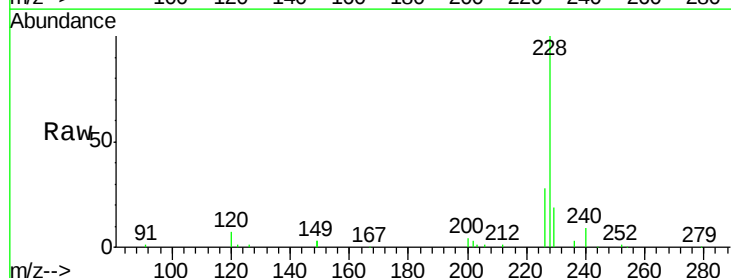
Tgt Ion:228 Resp: 25841

Ion Ratio Lower Upper

228 100

226 27.6 40.0 60.0#

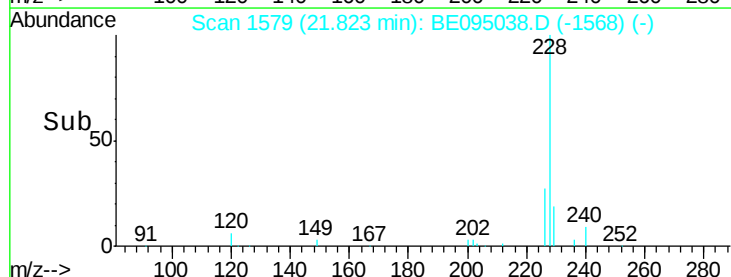
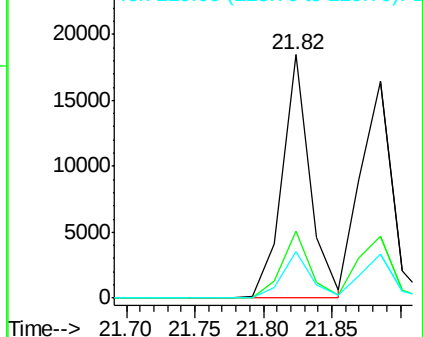
229 19.2 40.0 60.0#

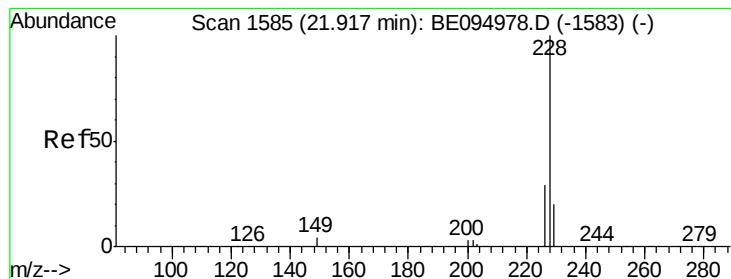


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.421 ng

RT: 21.89 min Scan# 1583

Delta R.T. -0.03 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampled :

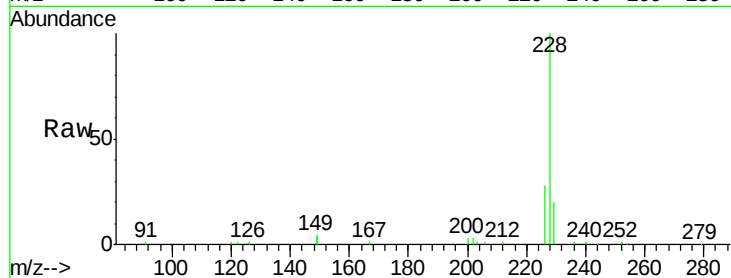
Tot Ion:228 Resp: 28283

Ion Ratio Lower Upper

228 100

226 28.5 40.0 60.0#

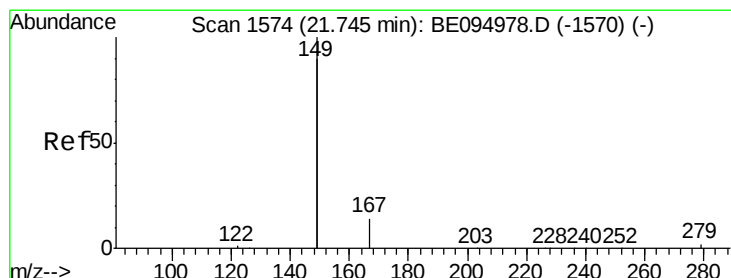
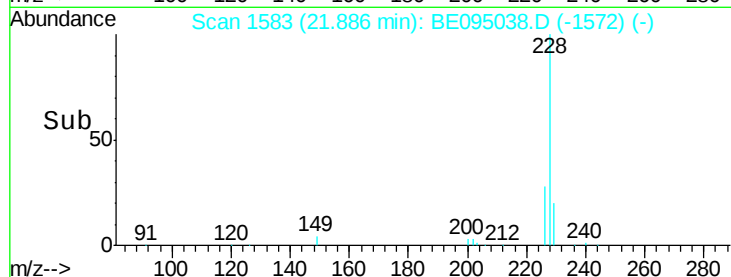
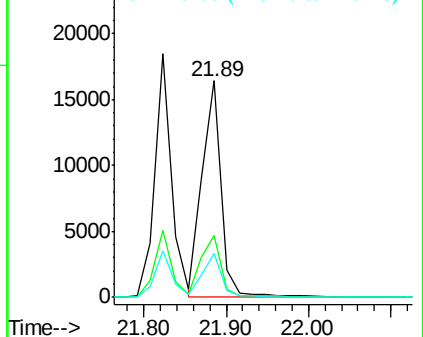
229 20.1 40.0 60.0#



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: 0.532 ng

RT: 21.70 min Scan# 1571

Delta R.T. -0.05 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

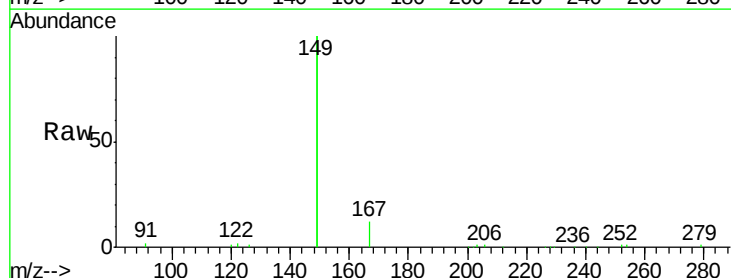
Tgt Ion:149 Resp: 40506

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

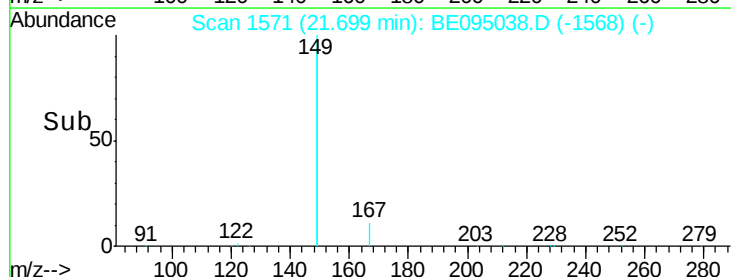
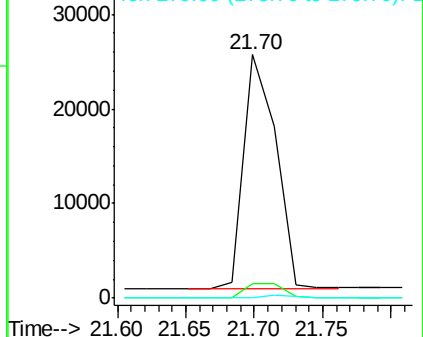
279 0.9 0.7 1.1

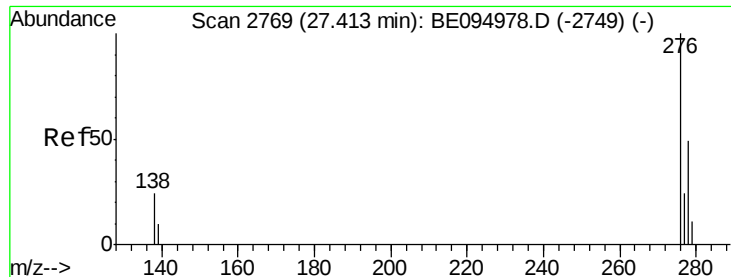


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.448 ng

RT: 27.33 min Scan# 2752

Delta R.T. -0.08 min

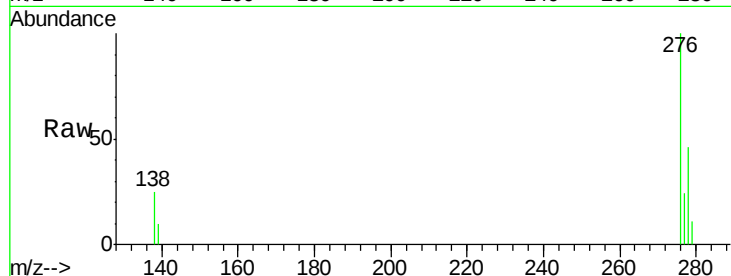
Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :



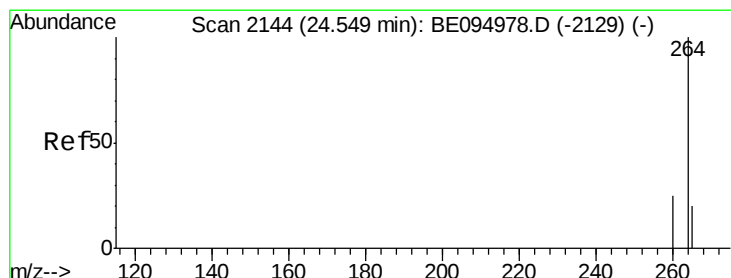
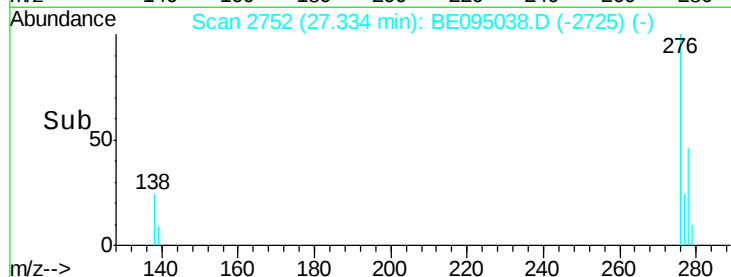
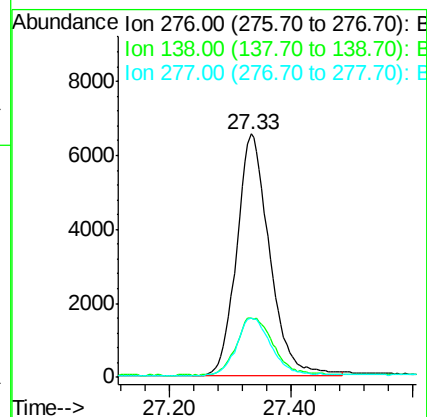
Tot Ion:276 Resp: 24517

Ion Ratio Lower Upper

276 100

138 26.8 22.5 33.7

277 24.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.50 min Scan# 2133

Delta R.T. -0.05 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

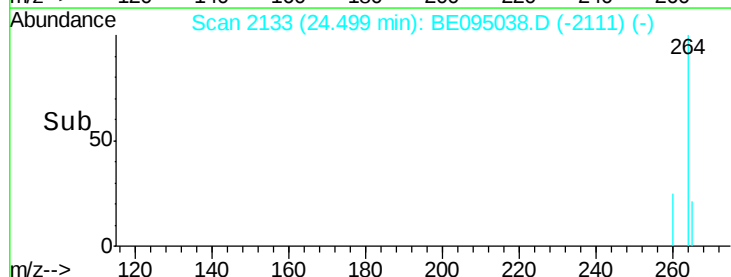
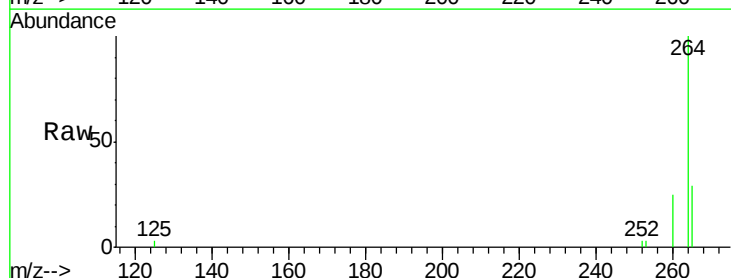
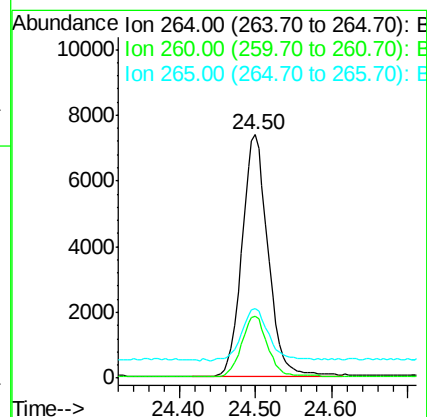
Tgt Ion:264 Resp: 17508

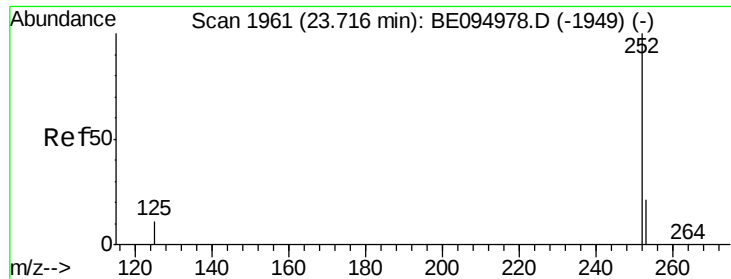
Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

265 28.6 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.389 ng

RT: 23.68 min Scan# 1952

Delta R.T. -0.04 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

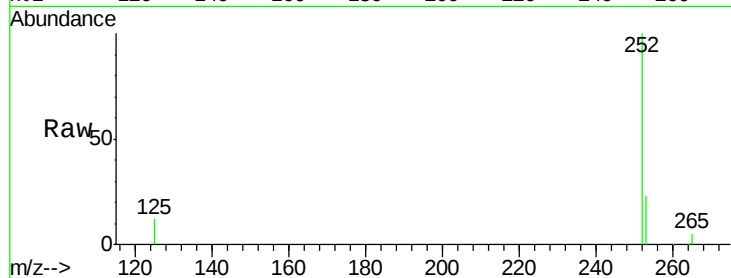
Tot Ion:252 Resp: 24992

Ion Ratio Lower Upper

252 100

253 23.1 20.0 30.0

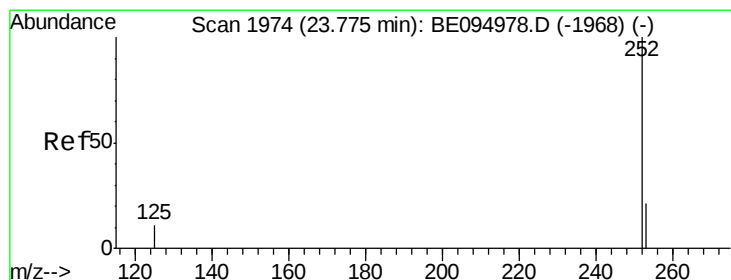
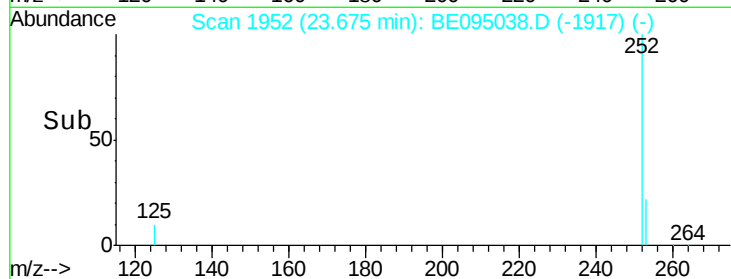
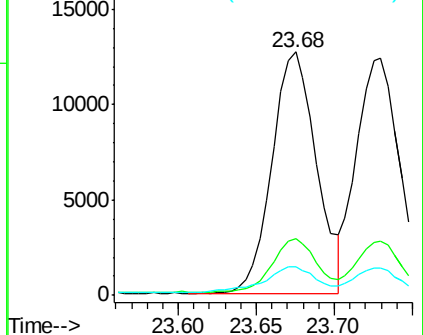
125 11.6 16.0 24.0#



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: 0.371 ng

RT: 23.73 min Scan# 1964

Delta R.T. -0.05 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

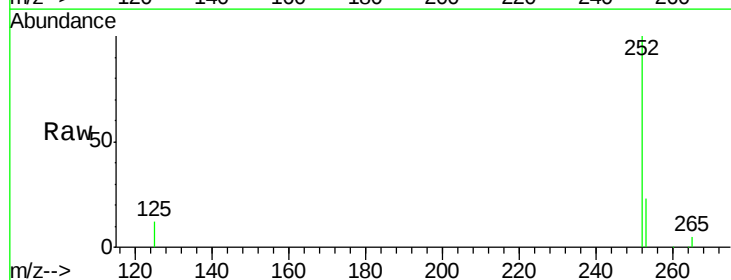
Tgt Ion:252 Resp: 24139

Ion Ratio Lower Upper

252 100

253 23.1 16.0 24.0

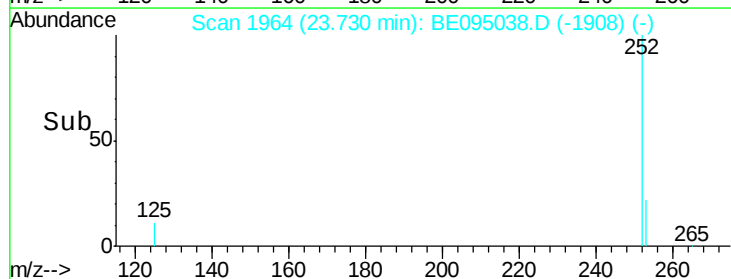
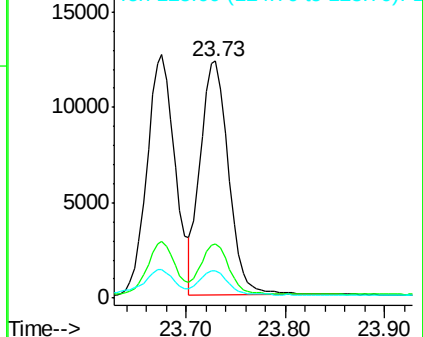
125 11.7 8.0 12.0

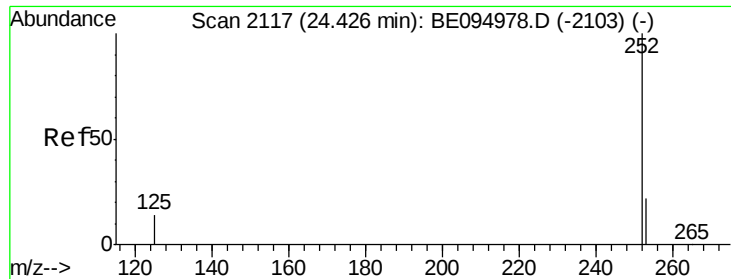


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.394 ng

RT: 24.38 min Scan# 2106

Delta R.T. -0.05 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :

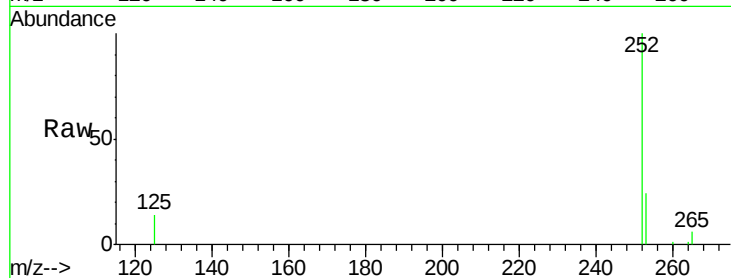
Tot Ion:252 Resp: 22485

Ion Ratio Lower Upper

252 100

253 24.3 16.0 24.0#

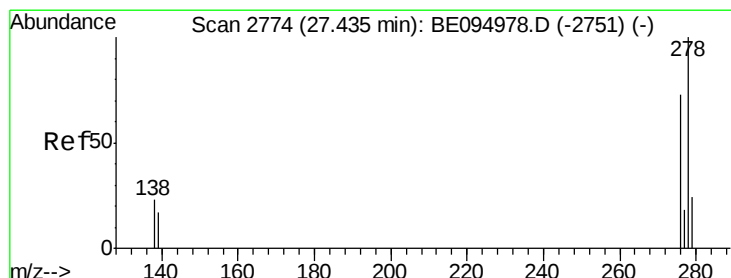
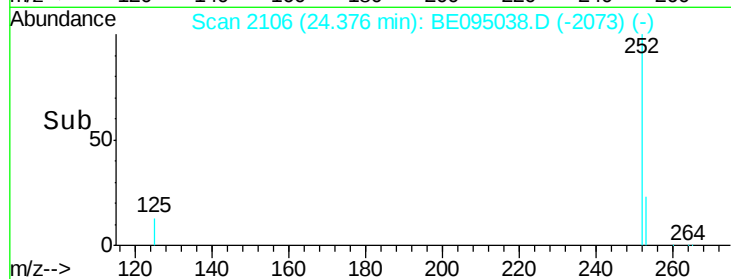
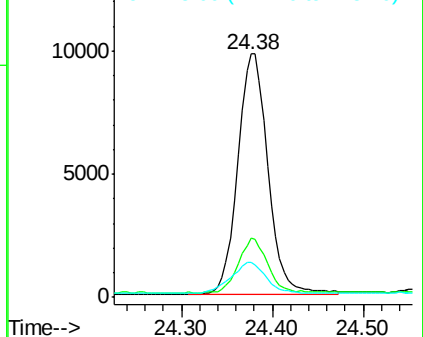
125 14.1 12.0 18.0



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: 0.382 ng

RT: 27.36 min Scan# 2757

Delta R.T. -0.08 min

Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

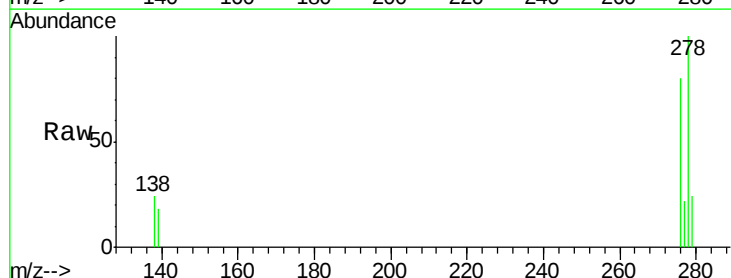
Tgt Ion:278 Resp: 20187

Ion Ratio Lower Upper

278 100

139 17.6 16.0 24.0

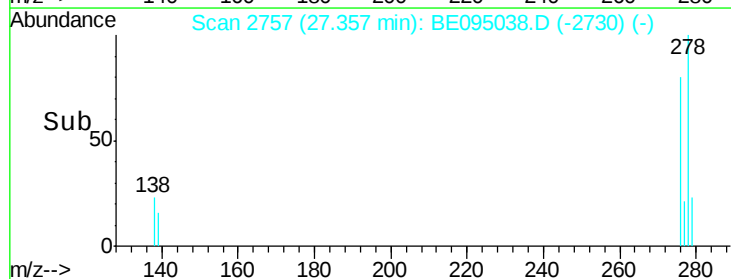
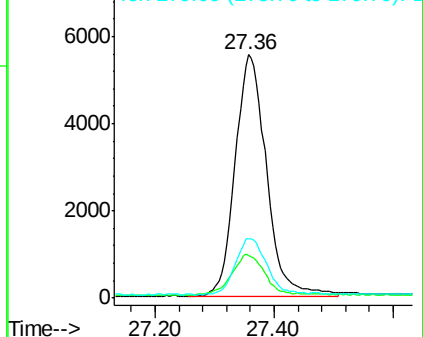
279 24.3 20.0 30.0

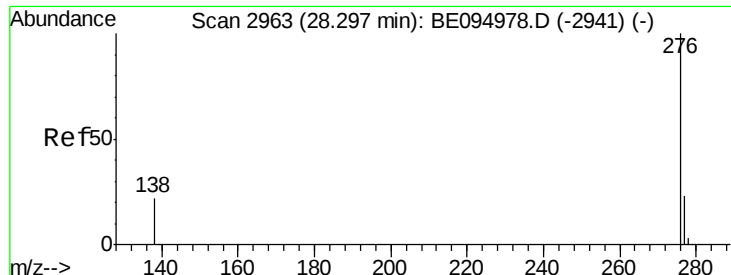


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.389 ng

RT: 28.22 min Scan# 2947

Delta R.T. -0.07 min

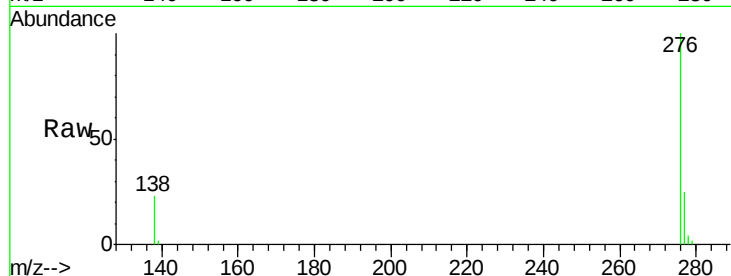
Lab File: BE095038.D

Acq: 19 Dec 2017 18:35

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 20466

Ion Ratio Lower Upper

276 100

277 24.5 16.0 24.0#

138 22.8 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

