

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022618\
 Data File : BE095688.D
 Acq On : 26 Feb 2018 14:42
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 26 17:49:51 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1324	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	5396	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	3200	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7427	0.40	ng	0.01
27) Chrysene-d12	21.79	240	8042	0.40	ng	0.00
34) Perylene-d12	24.42	264	7373	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	1469	0.42	ng	0.00
5) Phenol-d6	7.56	99	2031	0.42	ng	0.00
8) Nitrobenzene-d5	9.61	82	2122	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	3630	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	419	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	5494	0.38	ng	0.00
25) Fluoranthene-d10	19.69	212	37341	0.38	ng	0.00
29) Terphenyl-d14	20.25	244	6260	0.39	ng	0.00

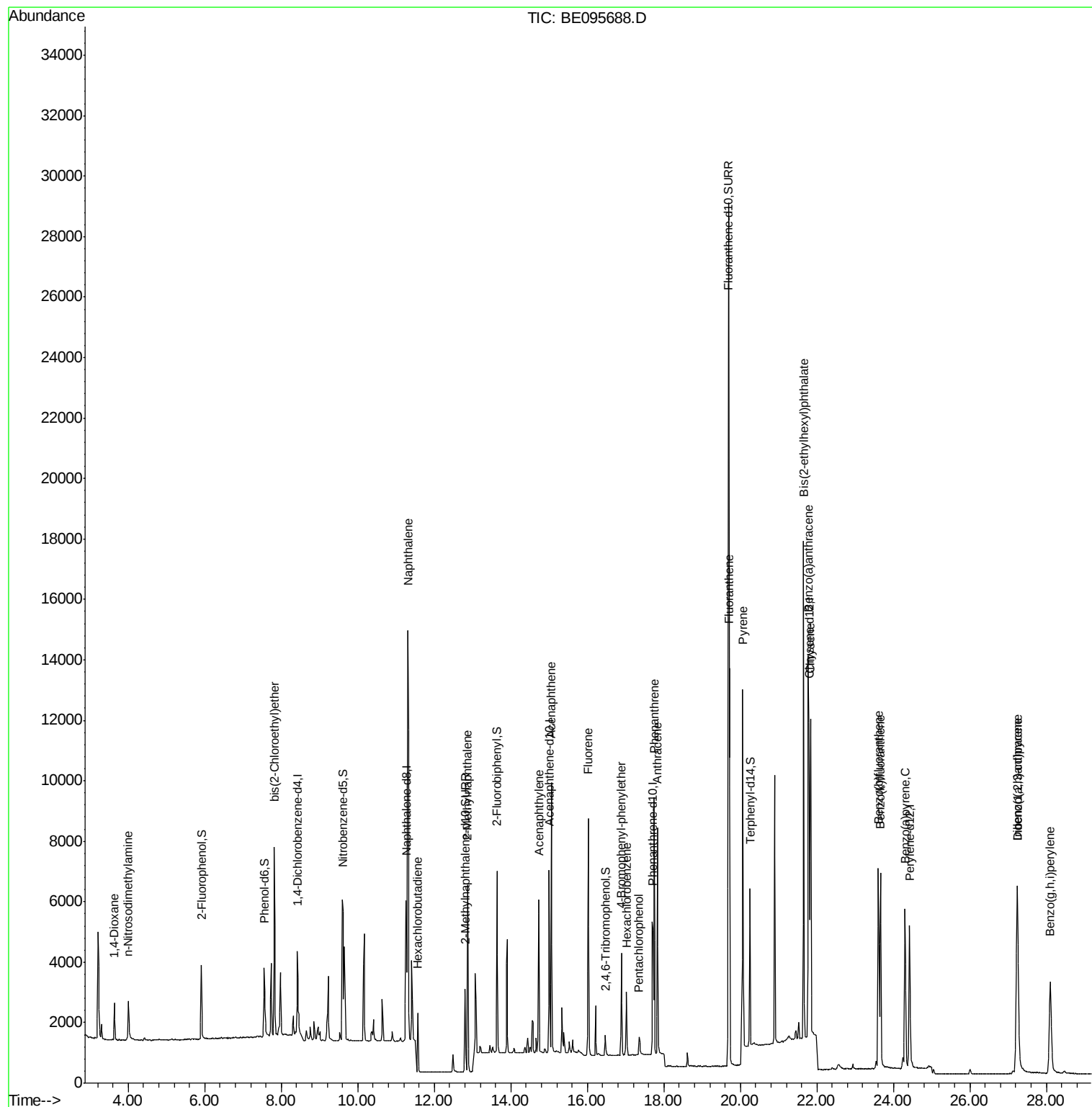
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.64	88	832	0.399	ng	93
3) n-Nitrosodimethylamine	3.99	42	1110	0.429	ng	80
6) bis(2-Chloroethyl)ether	7.82	93	2131	0.429	ng	95
9) Naphthalene	11.31	128	24916	0.401	ng	99
10) Hexachlorobutadiene	11.57	225	1503	0.414	ng	98
12) 2-Methylnaphthalene	12.88	142	4280	0.399	ng	98
16) Acenaphthylene	14.74	152	6956	0.387	ng	100
17) Acenaphthene	15.06	154	4305	0.381	ng	94
18) Fluorene	16.02	166	5453	0.390	ng	# 79
20) 4-Bromophenyl-phenylether	16.89	248	1719	0.369	ng	# 77
21) Hexachlorobenzene	17.03	284	1768	0.366	ng	# 81
22) Pentachlorophenol	17.36	266	403	0.406	ng	# 77
23) Phenanthrene	17.74	178	8820	0.380	ng	99
24) Anthracene	17.83	178	7947	0.373	ng	95
26) Fluoranthene	19.72	202	11098	0.389	ng	# 97
28) Pyrene	20.06	202	10833	0.329	ng	# 90
30) Benzo(a)anthracene	21.78	228	10229	0.390	ng	97
31) Chrysene	21.84	228	10017	0.384	ng	99
32) Bis(2-ethylhexyl)phthalate	21.65	149	18681	0.403	ng	100
33) Indeno(1,2,3-cd)pyrene	27.23	276	9886	0.391	ng	# 93
35) Benzo(b)fluoranthene	23.61	252	9775	0.372	ng	# 90
36) Benzo(k)fluoranthene	23.66	252	9839	0.377	ng	96
37) Benzo(a)pyrene	24.30	252	9212	0.389	ng	93
38) Dibenzo(a,h)anthracene	27.25	278	7977	0.379	ng	97
39) Benzo(g,h,i)perylene	28.10	276	8472	0.375	ng	# 92

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

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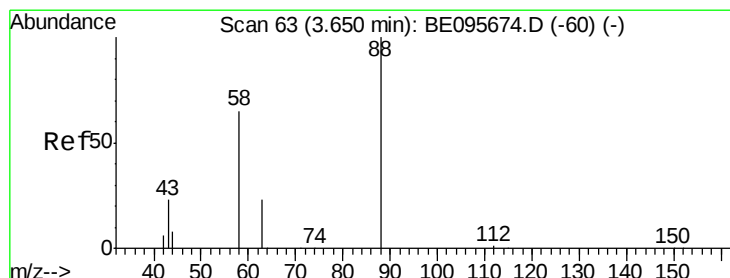
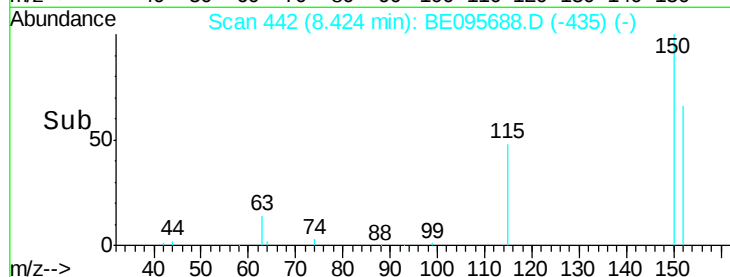
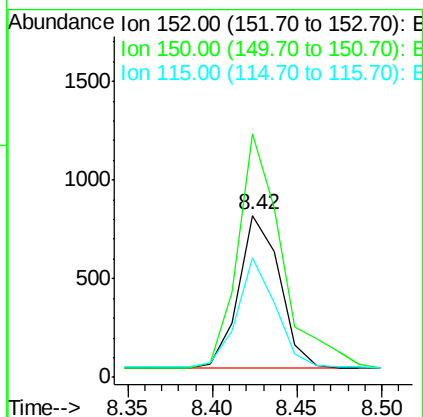
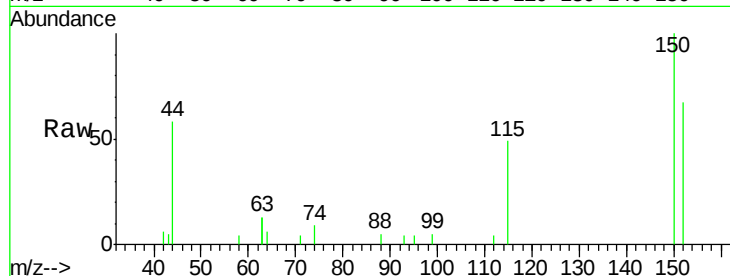


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.42 min Scan# 442
 Delta R.T. -0.01 min
 Lab File: BE095688.D
 Acq: 26 Feb 2018 14:42

Instrument :
 BNA_E
 ClientSampleId :

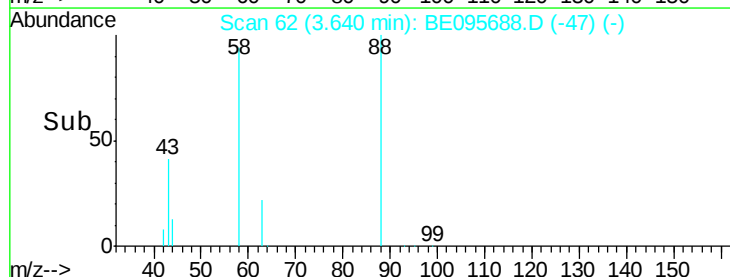
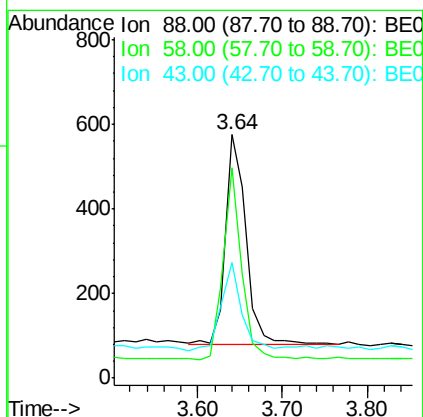
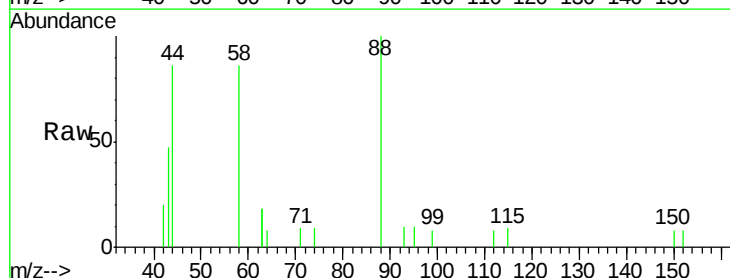
Tot Ion:152 Resp: 1324
 Ion Ratio Lower Upper
 152 100
 150 150.1 117.2 175.8
 115 73.8 57.0 85.6

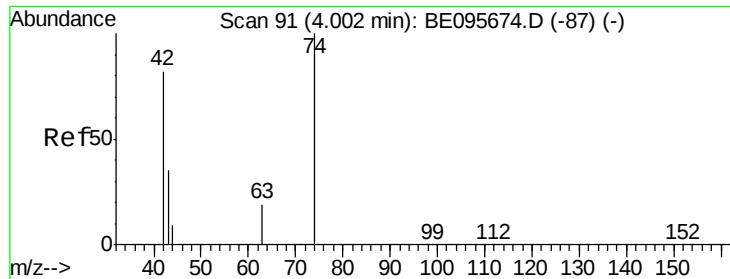


#2

1,4-Dioxane
 Concen: 0.399 ng
 RT: 3.64 min Scan# 62
 Delta R.T. -0.01 min
 Lab File: BE095688.D
 Acq: 26 Feb 2018 14:42

Tgt Ion: 88 Resp: 832
 Ion Ratio Lower Upper
 88 100
 58 81.7 63.2 94.8
 43 42.7 41.2 61.8



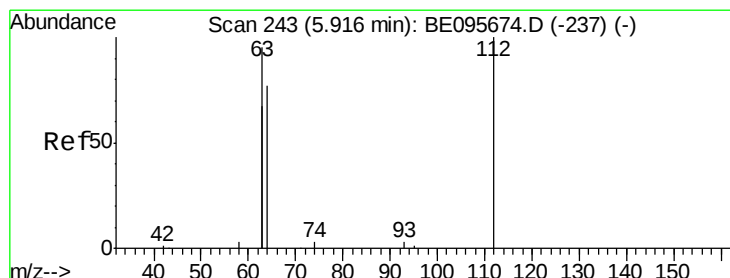
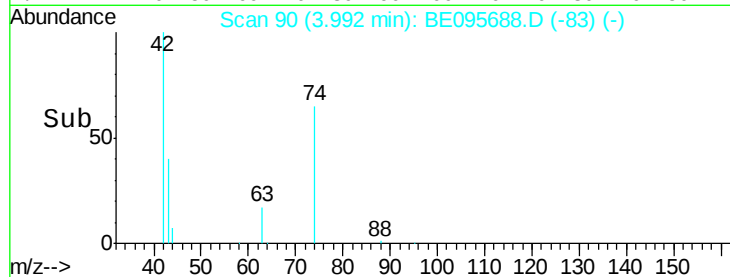
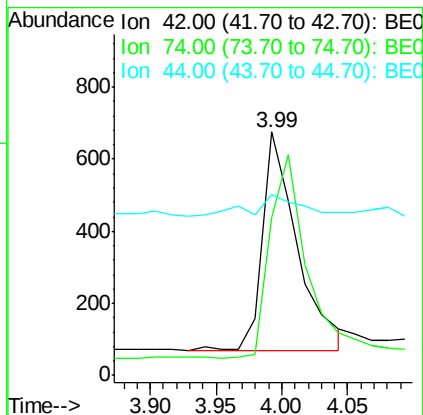
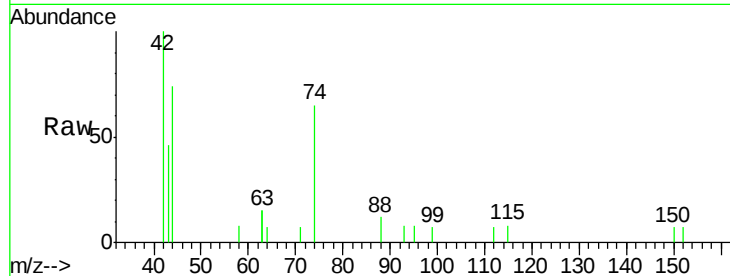


#3

n-Nitrosodimethylamine
 Concen: 0.429 ng
 RT: 3.99 min Scan# 90
 Delta R.T. -0.01 min
 Lab File: BE095688.D
 Acq: 26 Feb 2018 14:42

Instrument :
 BNA_E
 ClientSampleId :

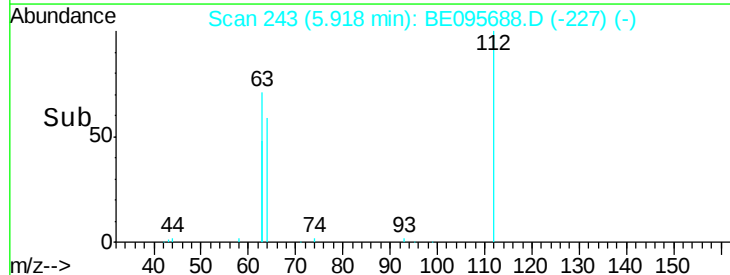
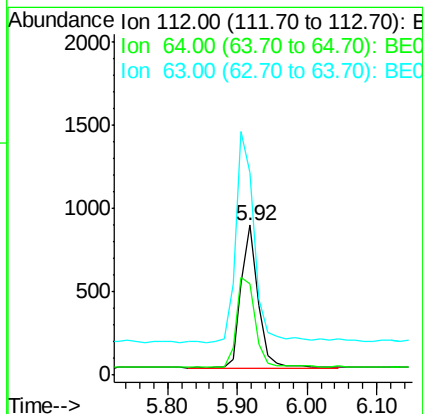
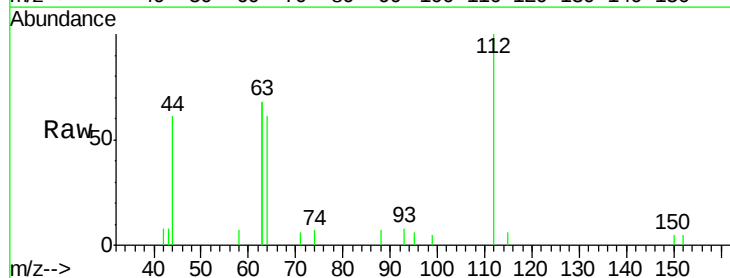
Tot Ion: 42 Resp: 1110
 Ion Ratio Lower Upper
 42 100
 74 96.4 96.0 144.0
 44 12.4 12.0 18.0

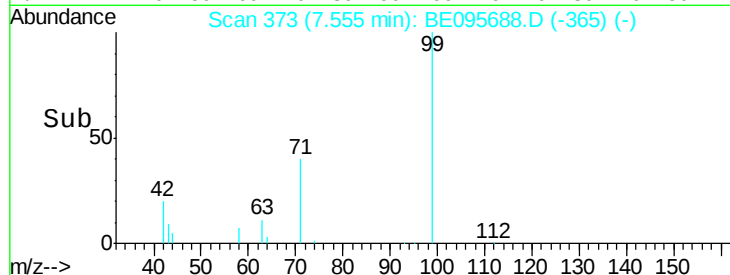
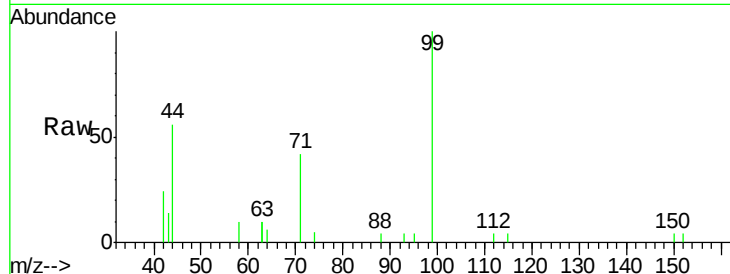
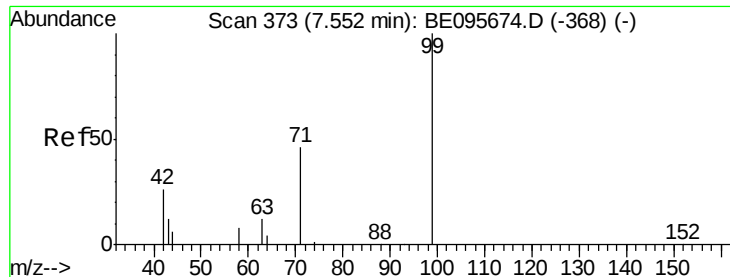


#4

2-Fluorophenol
 Concen: 0.420 ng
 RT: 5.92 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: BE095688.D
 Acq: 26 Feb 2018 14:42

Tgt Ion: 112 Resp: 1469
 Ion Ratio Lower Upper
 112 100
 64 71.4 60.1 90.1
 63 160.1 116.8 175.2





#5

Phenol-d6

Concen: 0.420 ng

RT: 7.56 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :

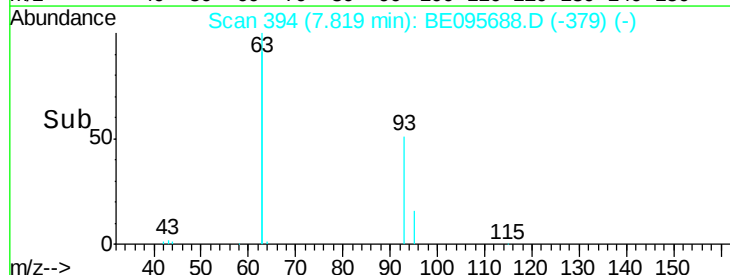
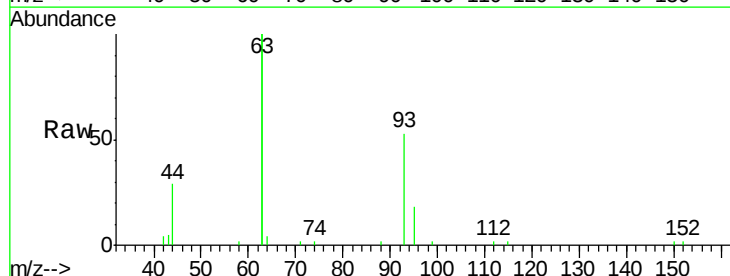
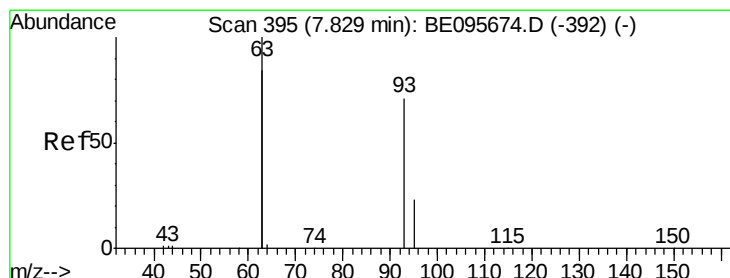
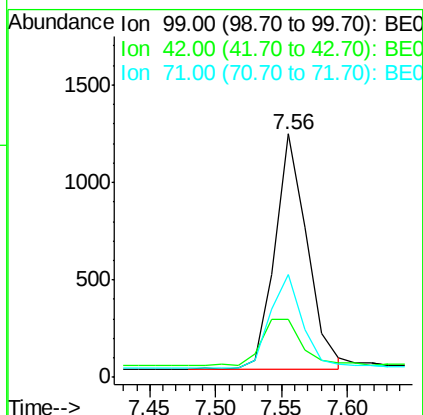
Tot Ion: 99 Resp: 2031

Ion Ratio Lower Upper

99 100

42 25.5 20.2 30.2

71 40.6 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.429 ng

RT: 7.82 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

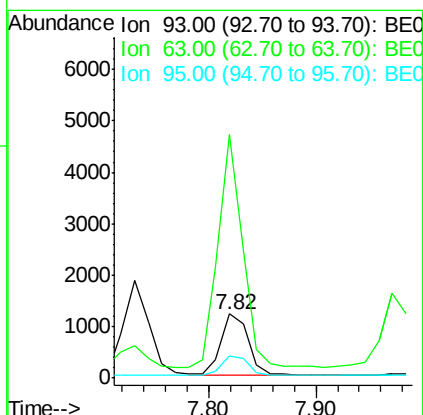
Tgt Ion: 93 Resp: 2131

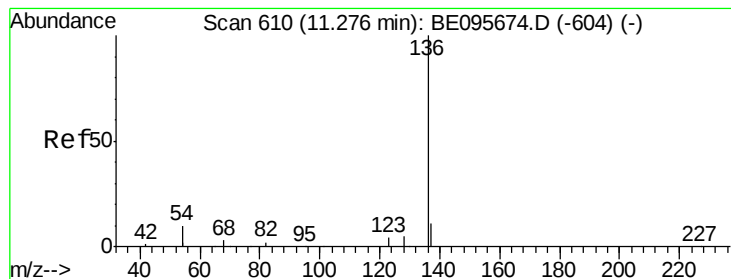
Ion Ratio Lower Upper

93 100

63 332.8 275.3 412.9

95 32.1 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE095688.D

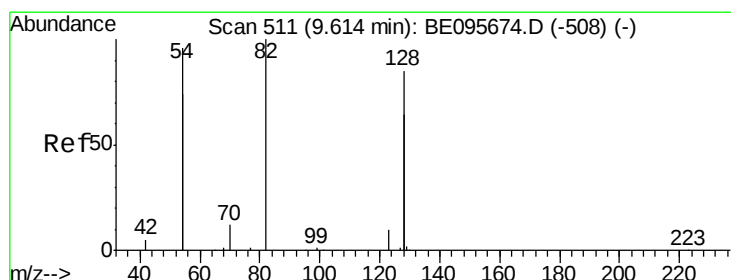
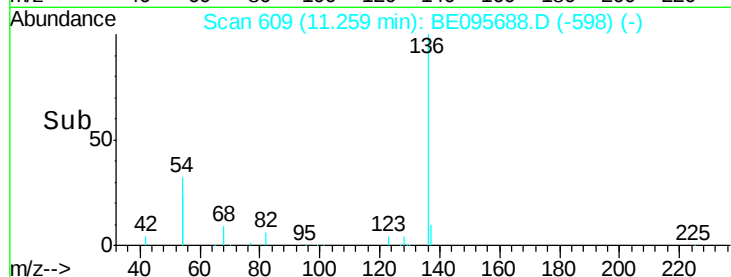
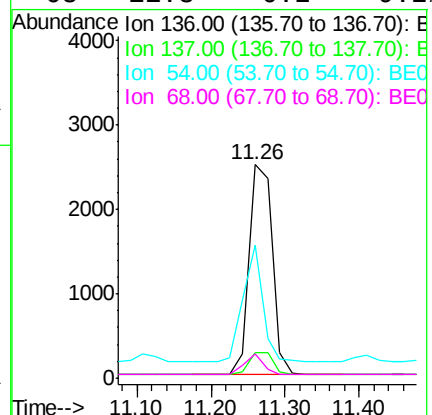
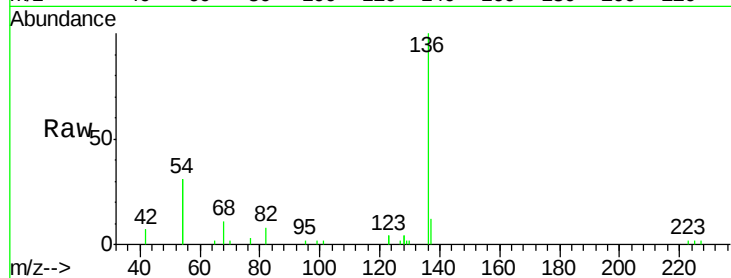
Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	5396
Ion Ratio	Lower	Upper
136	100	
137	12.0	9.5 14.3
54	62.3	29.1 43.7#
68	11.3	6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.382 ng

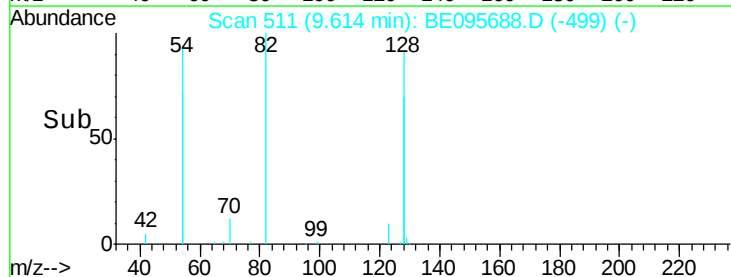
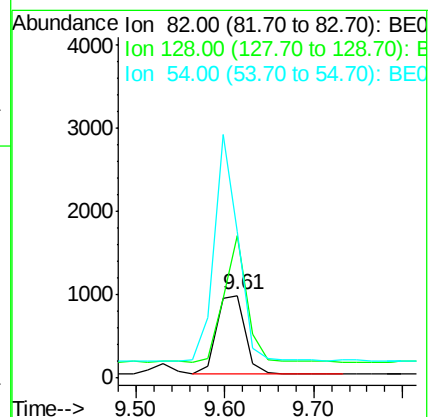
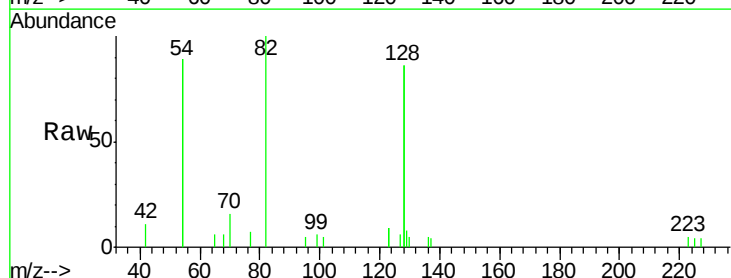
RT: 9.61 min Scan# 511

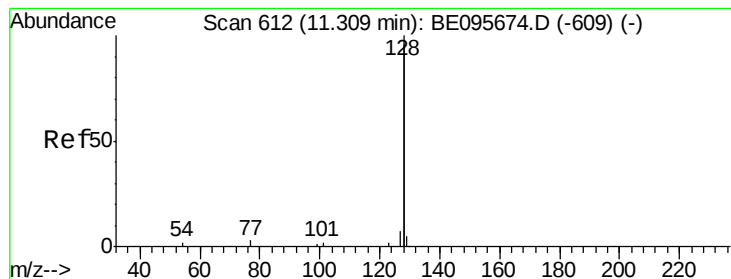
Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Tgt Ion: 82	Resp:	2122
Ion Ratio	Lower	Upper
82	100	
128	172.2	150.0 225.0
54	177.8	154.2 231.4





#9

Naphthalene

Concen: 0.401 ng

RT: 11.31 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :

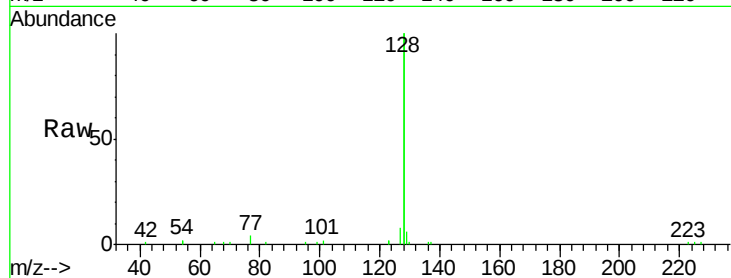
Tot Ion:128 Resp: 24916

Ion Ratio Lower Upper

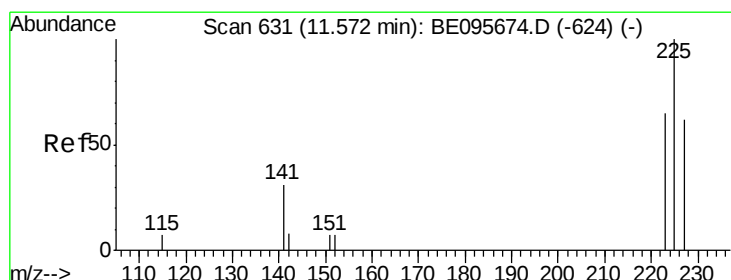
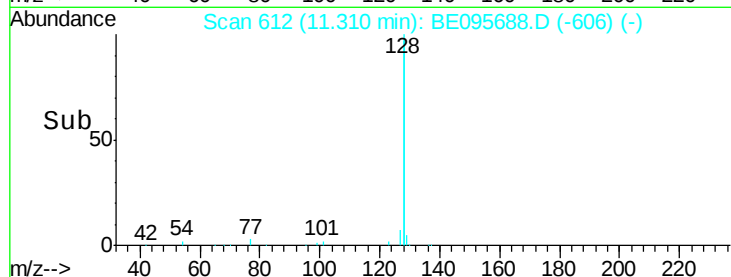
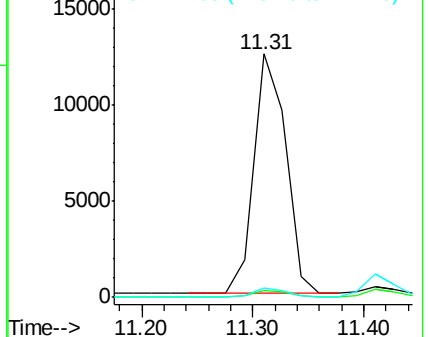
128 100

129 2.9 2.6 3.8

127 3.8 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: 0.414 ng

RT: 11.57 min Scan# 631

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

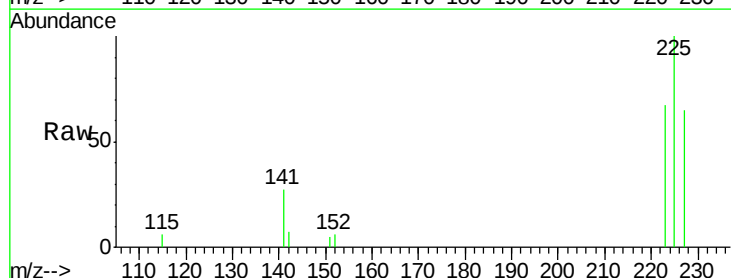
Tgt Ion:225 Resp: 1503

Ion Ratio Lower Upper

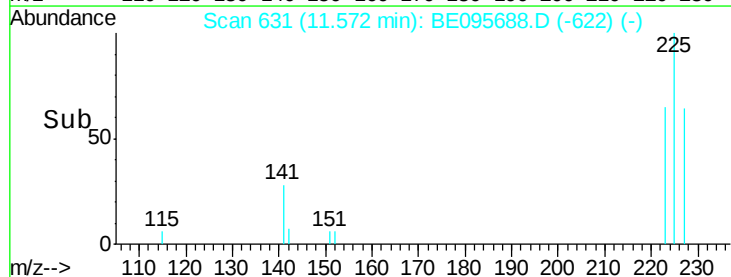
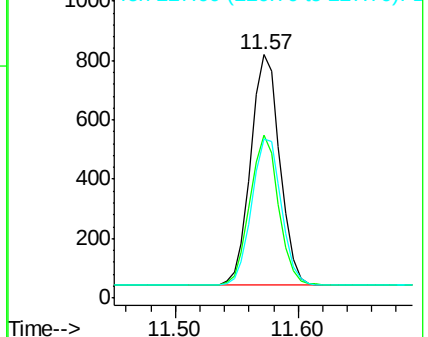
225 100

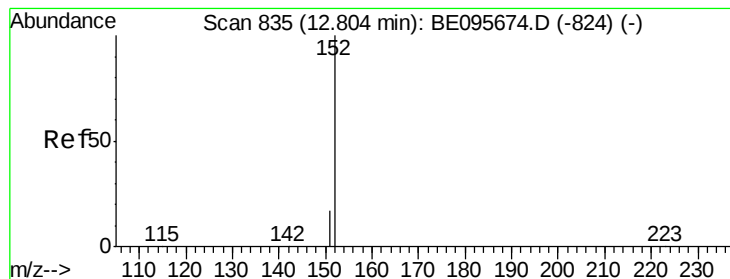
223 64.0 53.0 79.6

227 65.0 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: 0.402 ng

RT: 12.80 min Scan# 835

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

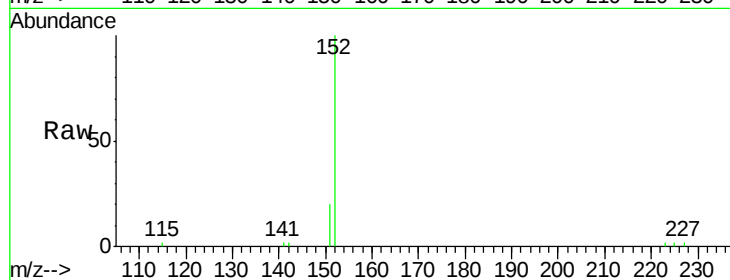
ClientSampled :

Tot Ion:152 Resp: 3630

Ion Ratio Lower Upper

152 100

151 19.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

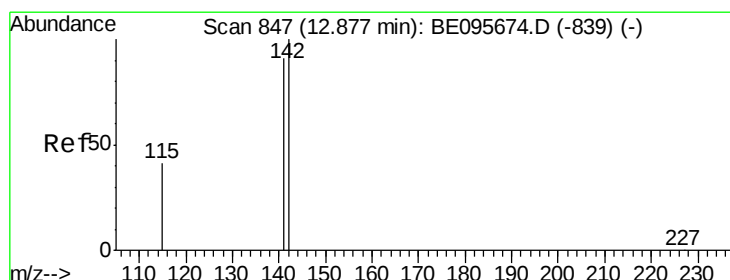
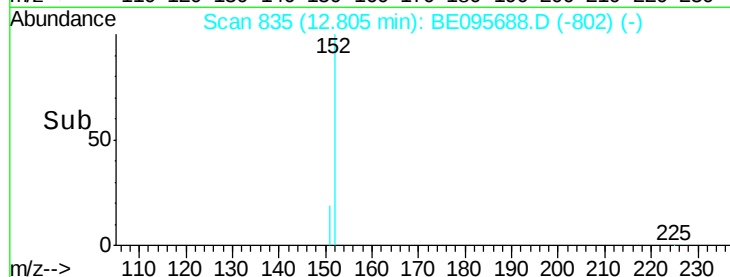
1500

1000

500

0

Time--> 12.70 12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.399 ng

RT: 12.88 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

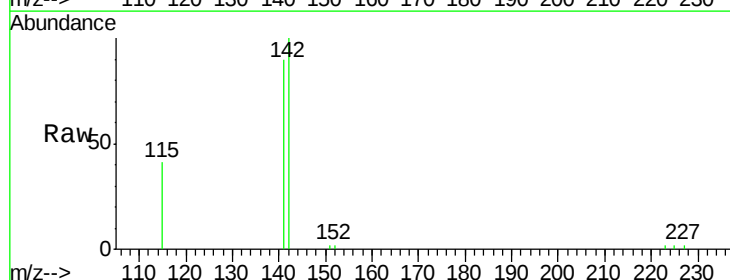
Tgt Ion:142 Resp: 4280

Ion Ratio Lower Upper

142 100

141 90.1 70.4 105.6

115 40.7 31.7 47.5



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

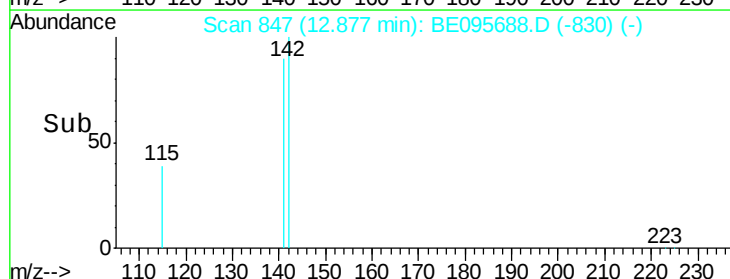
3000

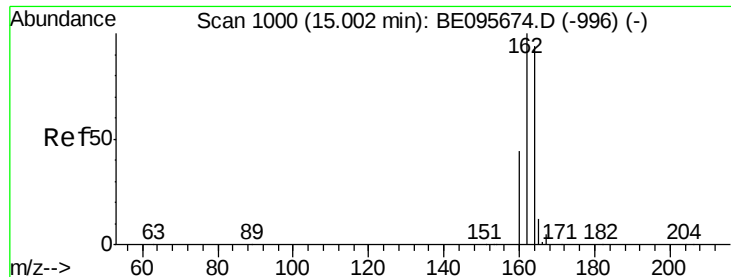
2000

1000

0

Time--> 12.80 12.85 12.90 12.95





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :

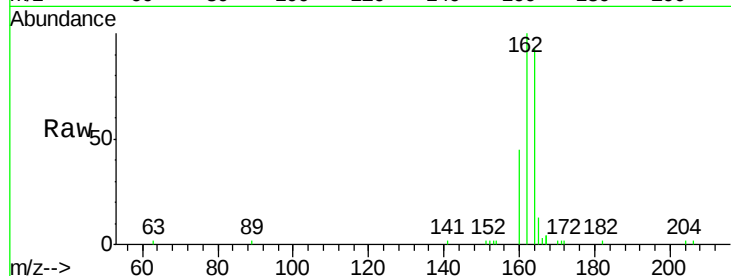
Tot Ion:164 Resp: 3200

Ion Ratio Lower Upper

164 100

162 107.9 83.1 124.7

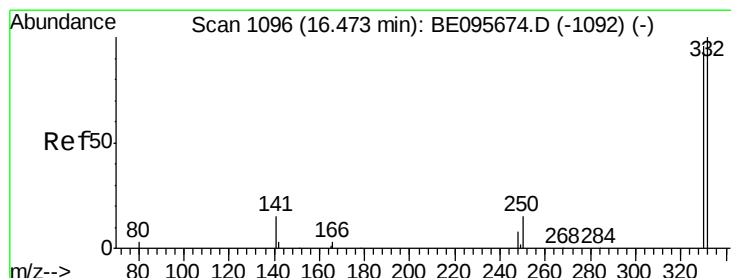
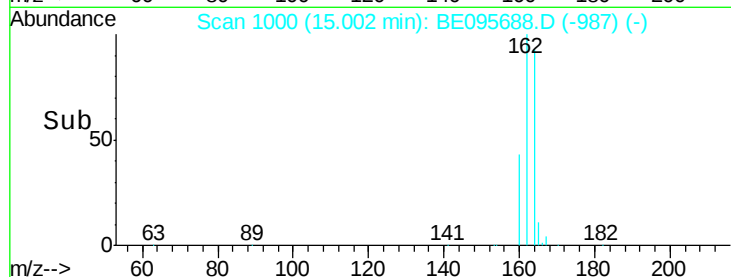
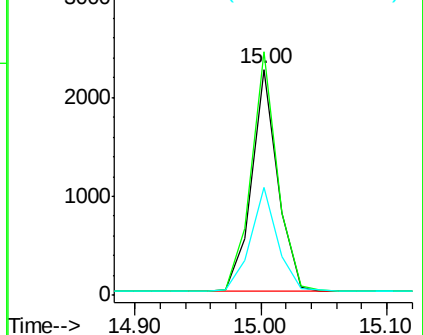
160 48.0 37.1 55.7



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: 0.389 ng

RT: 16.47 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

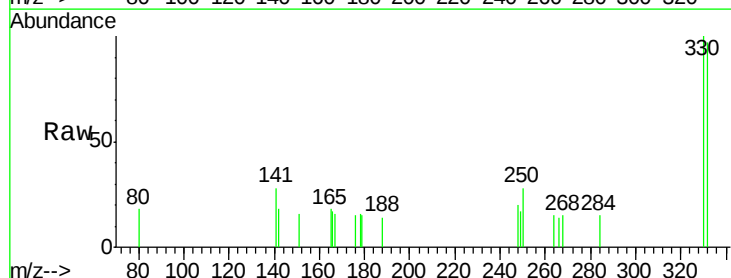
Tgt Ion:330 Resp: 419

Ion Ratio Lower Upper

330 100

332 100.0 152.7 229.1#

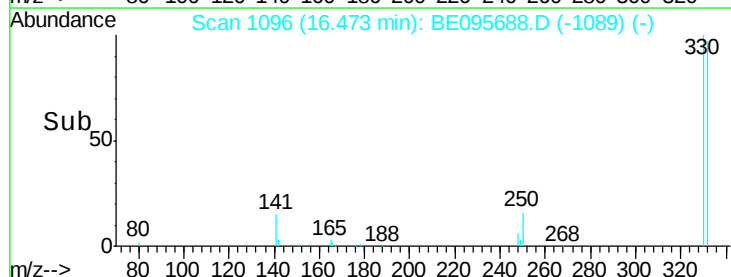
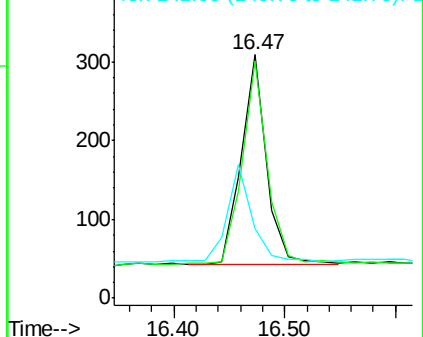
141 44.4 33.7 50.5

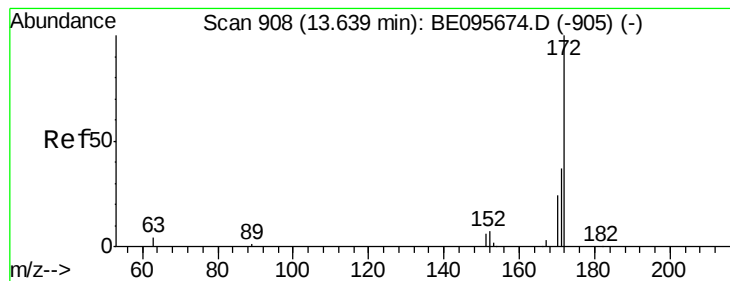


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

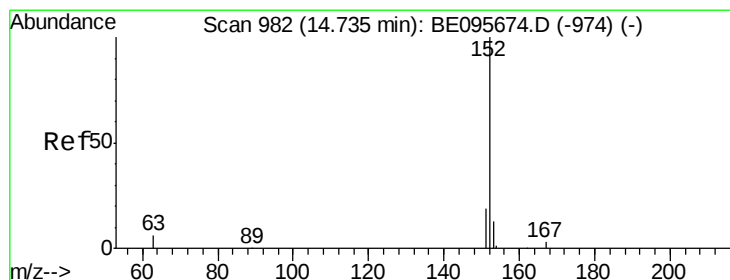
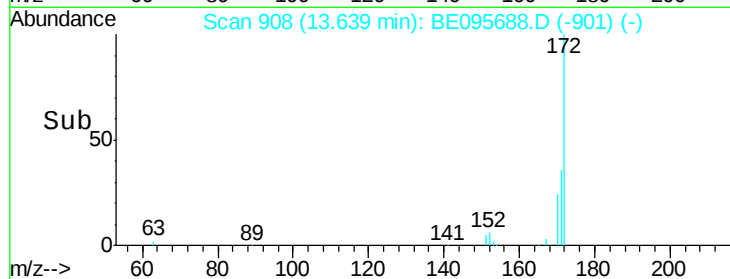
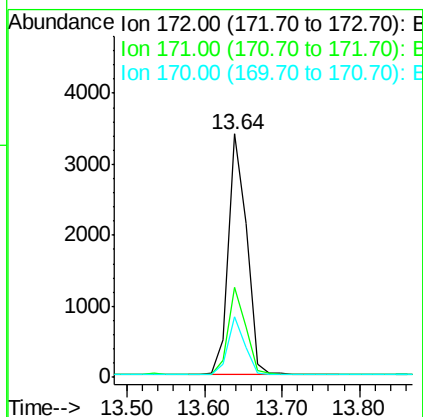
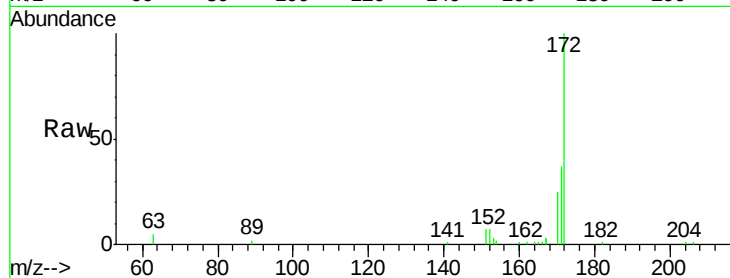




#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 13.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE095688.D
Acq: 26 Feb 2018 14:42

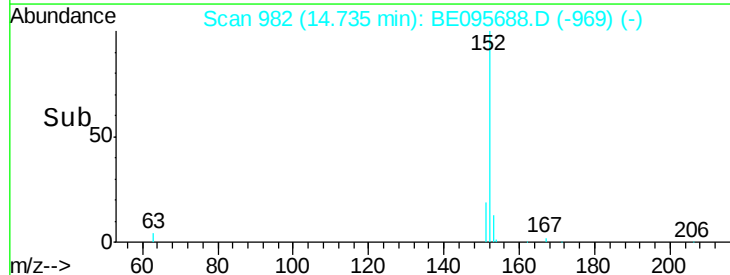
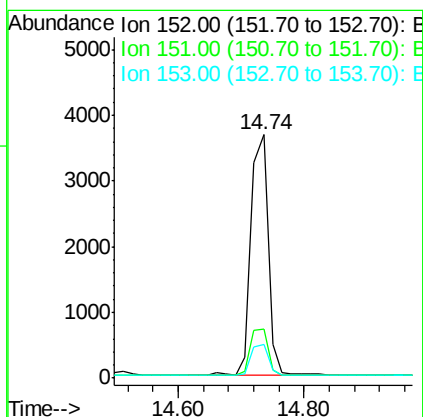
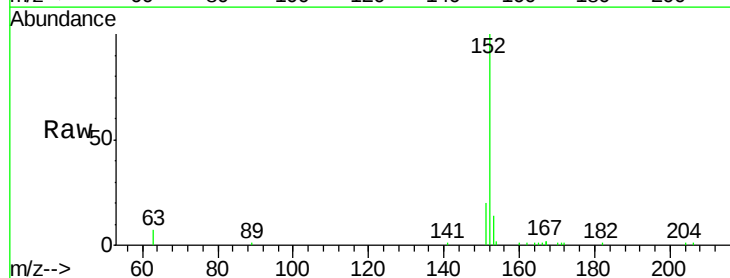
Instrument :
BNA_E
ClientSampleId :

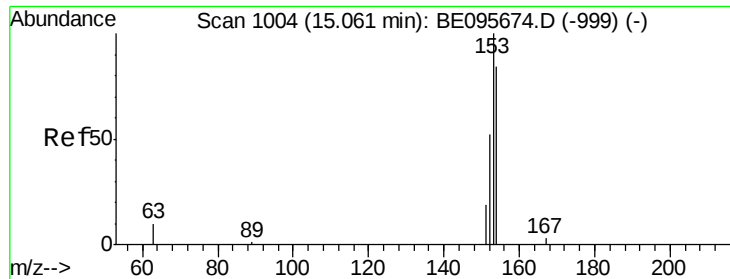
Tot Ion:172 Resp: 5494
Ion Ratio Lower Upper
172 100
171 37.1 29.9 44.9
170 25.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.387 ng
RT: 14.74 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095688.D
Acq: 26 Feb 2018 14:42

Tgt Ion:152 Resp: 6956
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.3 10.5 15.7

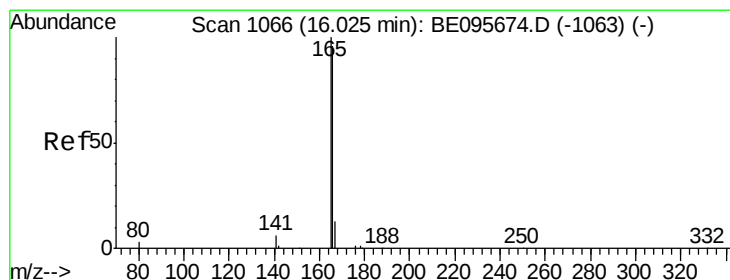
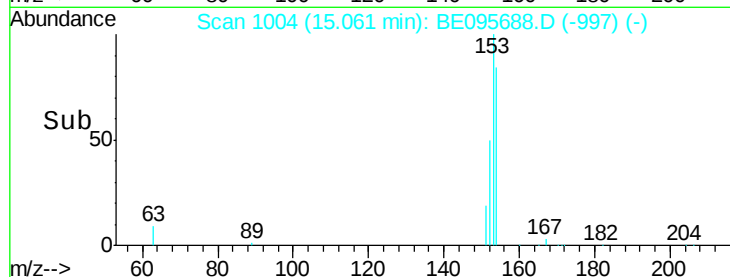
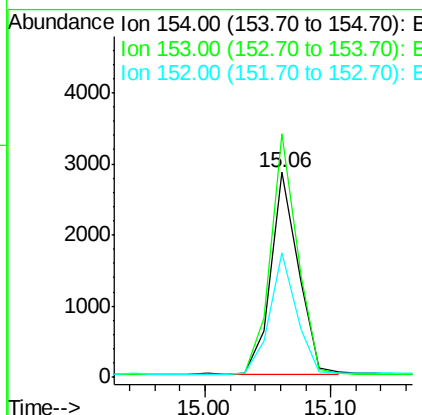
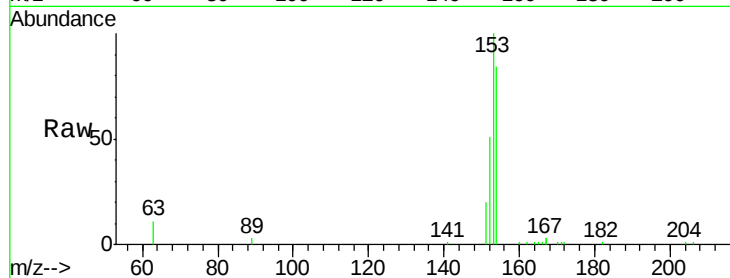




#17
Acenaphthene
Concen: 0.381 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE095688.D
Acq: 26 Feb 2018 14:42

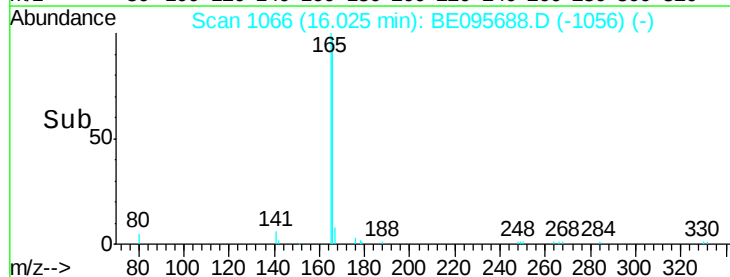
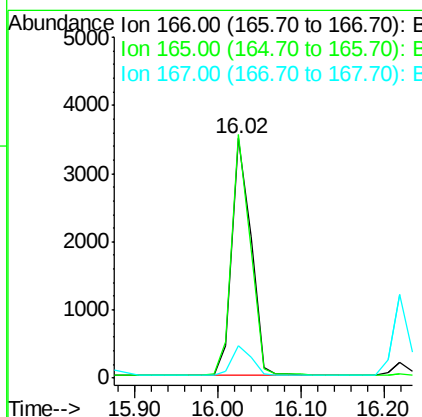
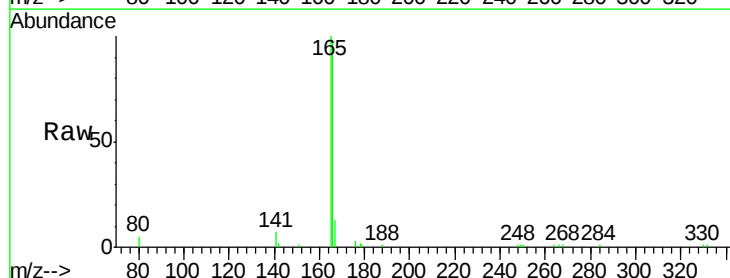
Instrument :
BNA_E
ClientSampleId :

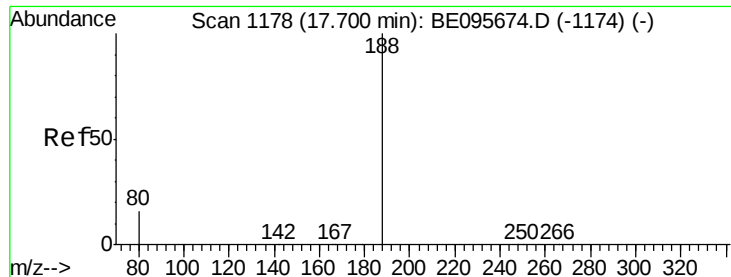
Tot Ion:154 Resp: 4305
Ion Ratio Lower Upper
154 100
153 116.5 89.2 133.8
152 58.5 42.0 63.0



#18
Fluorene
Concen: 0.390 ng
RT: 16.02 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BE095688.D
Acq: 26 Feb 2018 14:42

Tgt Ion:166 Resp: 5453
Ion Ratio Lower Upper
166 100
165 98.5 77.8 116.6
167 12.7 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampled :

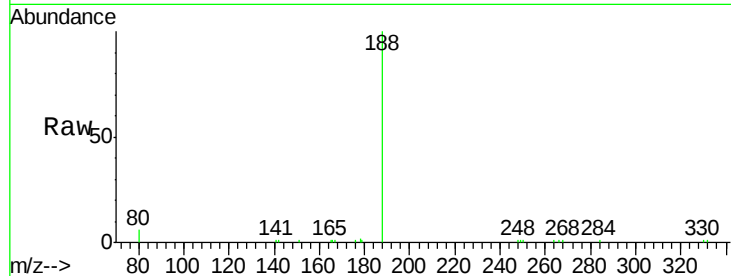
Tot Ion:188 Resp: 7427

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

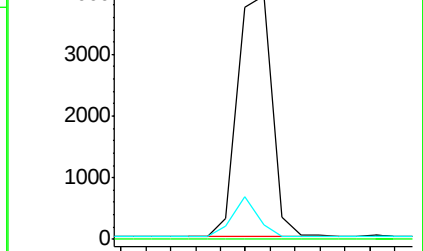
80 5.8 3.6 5.4#



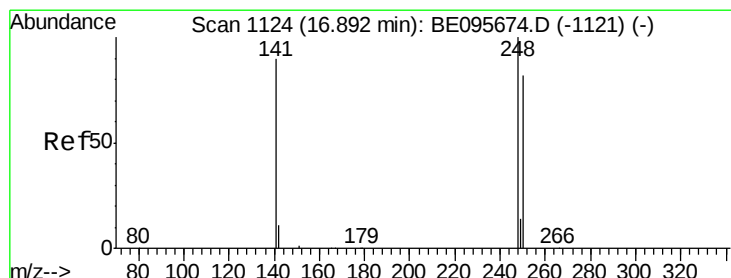
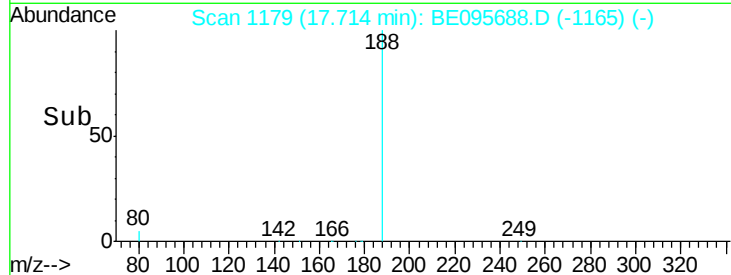
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time--> 17.60 17.70 17.80



#20

4-Bromophenyl-phenylether

Concen: 0.369 ng

RT: 16.89 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

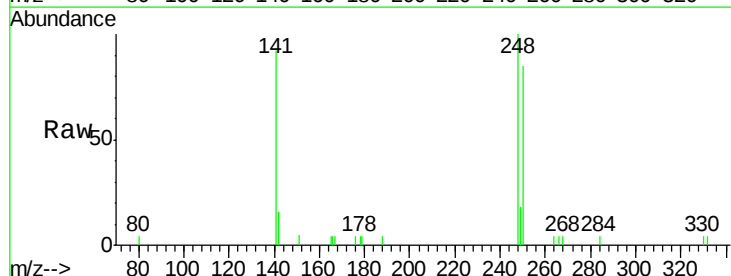
Tgt Ion:248 Resp: 1719

Ion Ratio Lower Upper

248 100

250 85.1 62.7 94.1

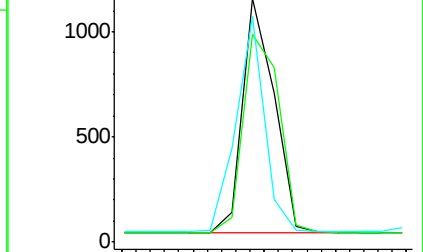
141 92.5 48.2 72.2#



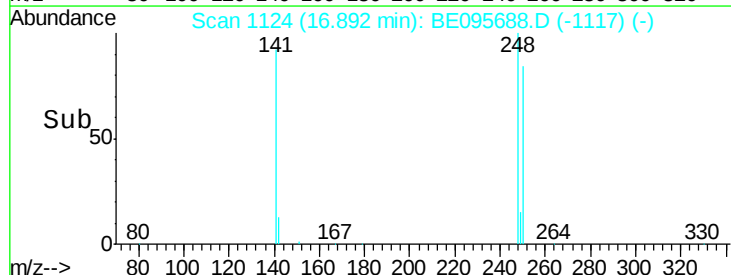
Abundance Ion 248.00 (247.70 to 248.70): E

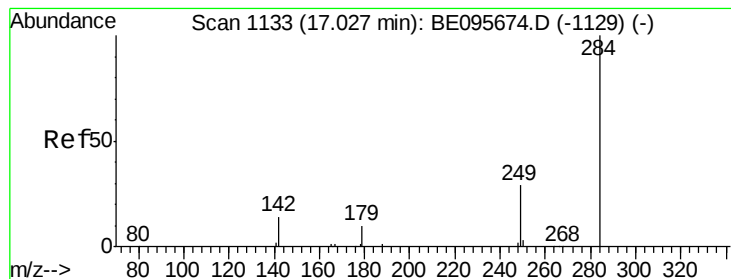
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.80 16.85 16.90 16.95





#21

Hexachlorobenzene

Concen: 0.366 ng

RT: 17.03 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :

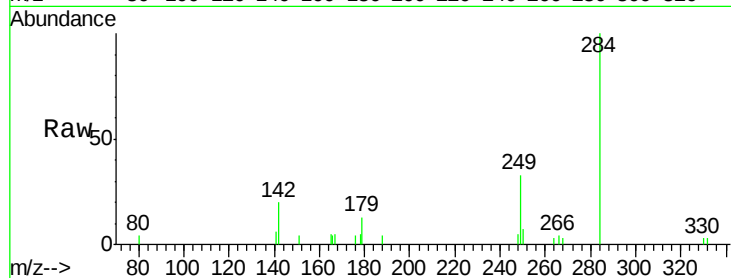
Tot Ion:284 Resp: 1768

Ion Ratio Lower Upper

284 100

142 42.3 22.1 33.1#

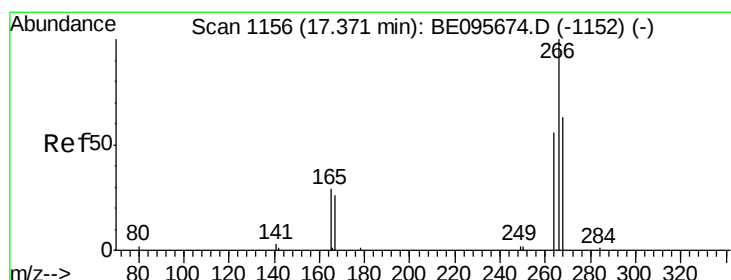
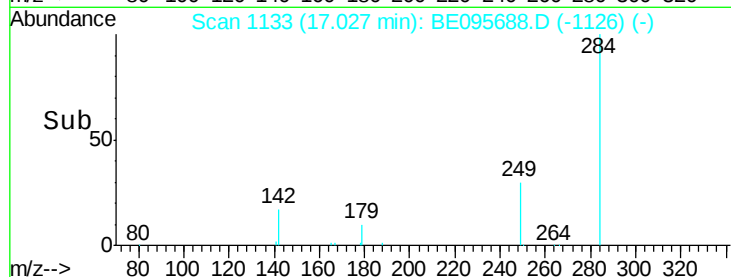
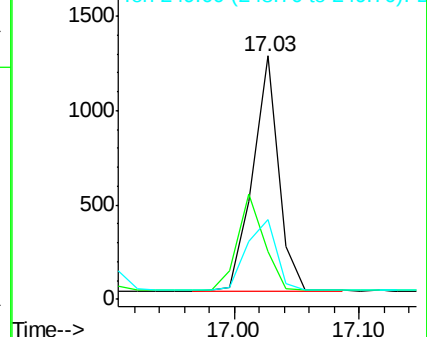
249 35.5 34.8 52.2



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: 0.406 ng

RT: 17.36 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

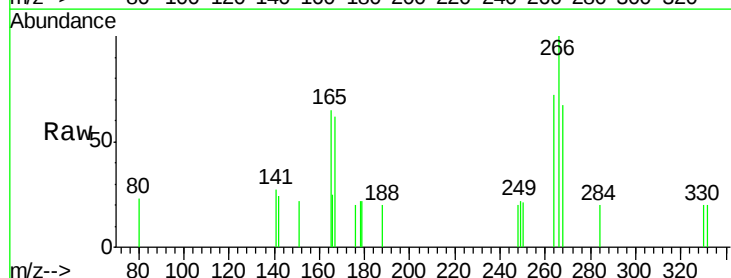
Tgt Ion:266 Resp: 403

Ion Ratio Lower Upper

266 100

264 72.3 72.5 108.7#

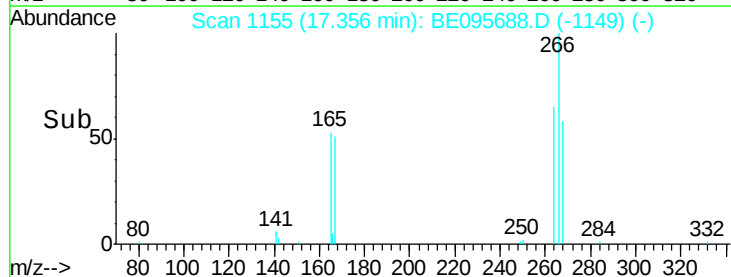
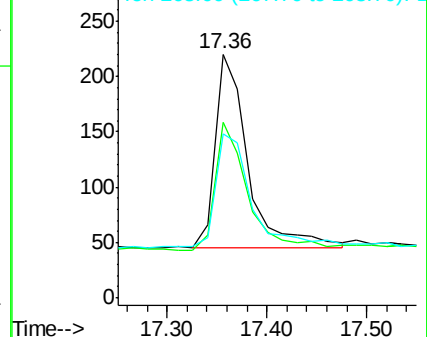
268 67.3 73.8 110.6#

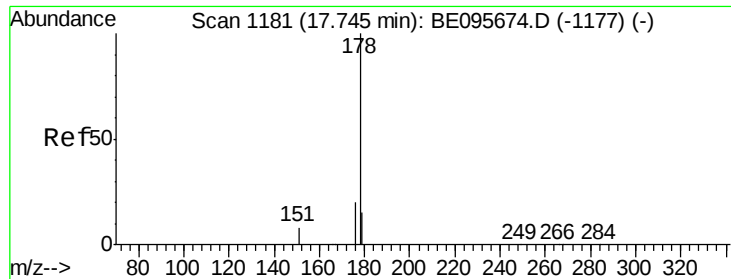


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.380 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :

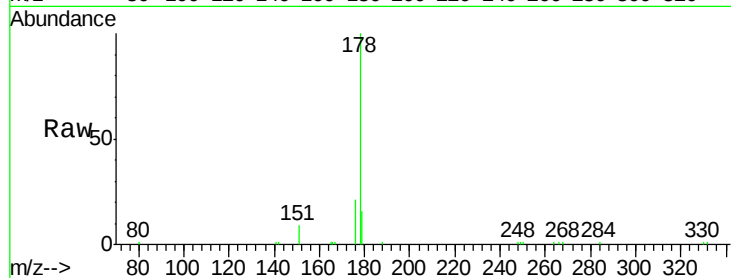
Tot Ion:178 Resp: 8820

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

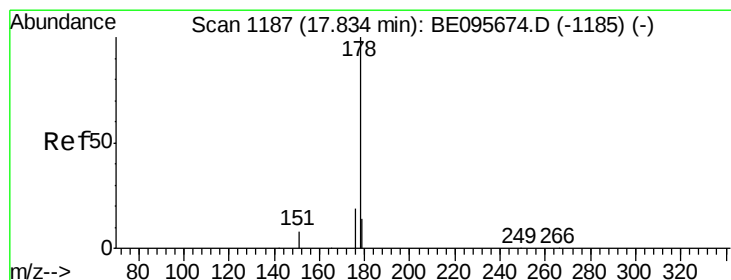
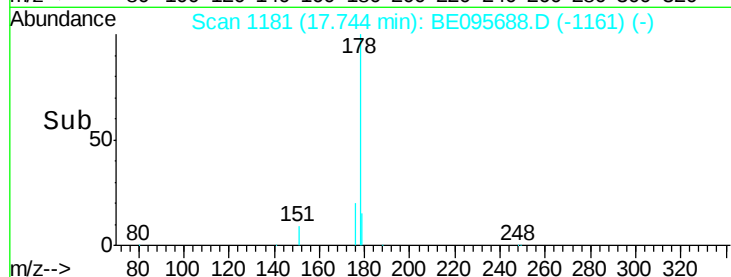
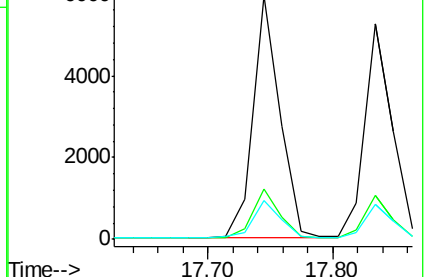
179 15.0 11.8 17.6



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: 0.373 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

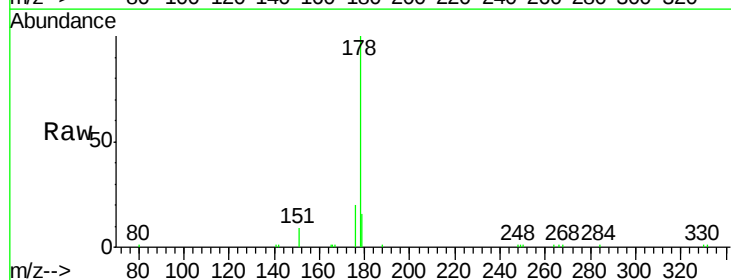
Tgt Ion:178 Resp: 7947

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

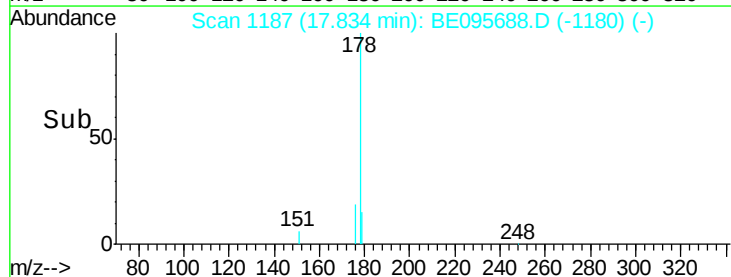
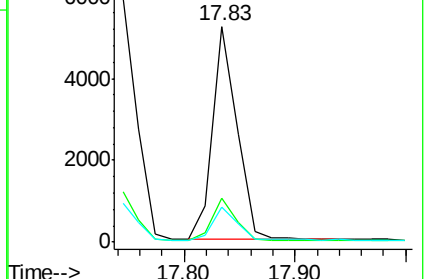
179 15.4 13.0 19.6

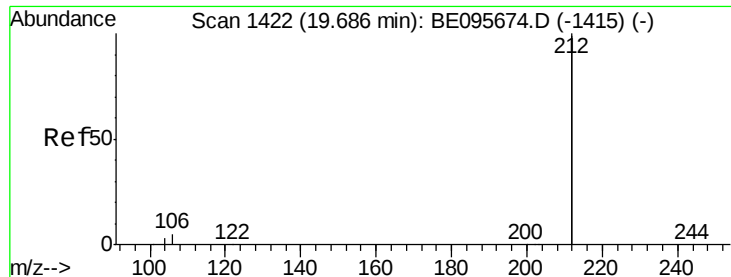


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.69 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :

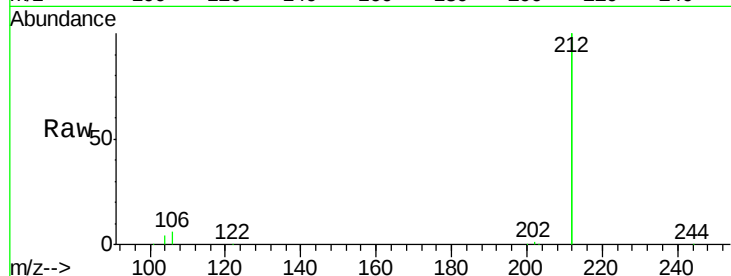
Tot Ion:212 Resp: 37341

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

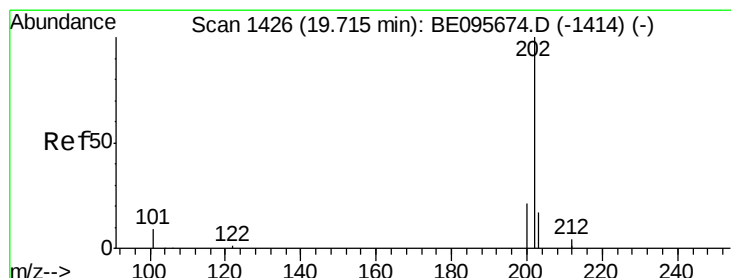
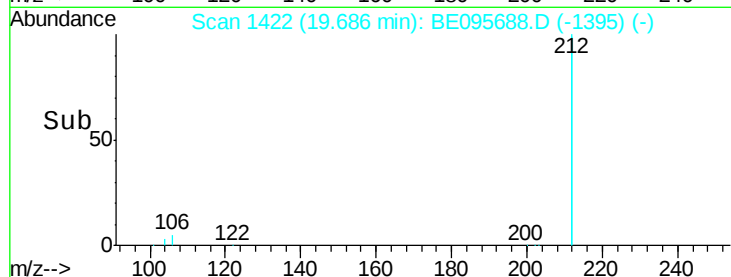
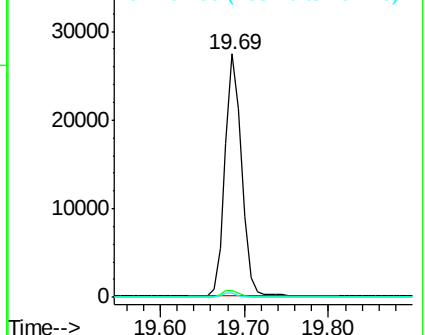
104 1.6 1.6 2.4



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: 0.389 ng

RT: 19.72 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

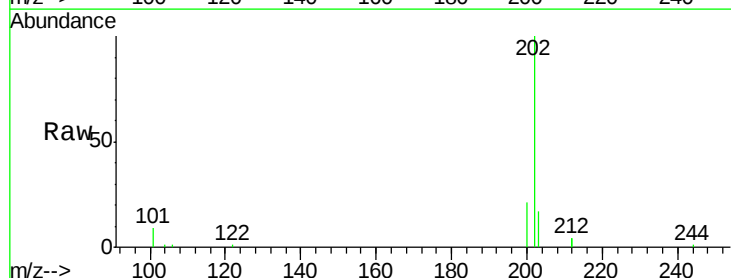
Tgt Ion:202 Resp: 11098

Ion Ratio Lower Upper

202 100

101 9.8 9.8 14.8#

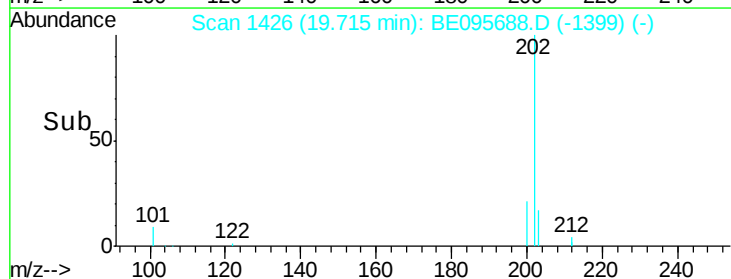
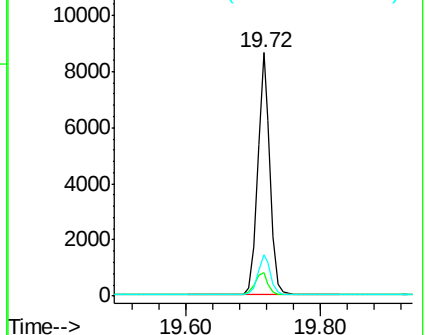
203 17.0 13.7 20.5

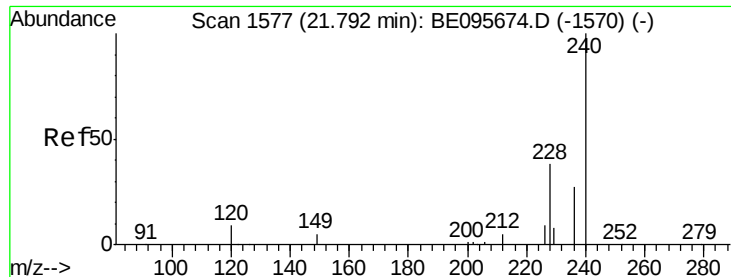


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.79 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :

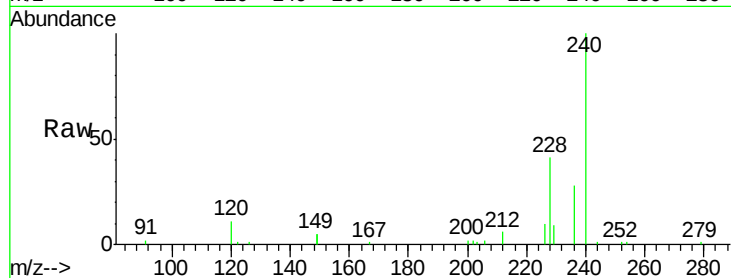
Tot Ion:240 Resp: 8042

Ion Ratio Lower Upper

240 100

120 10.7 5.5 8.3#

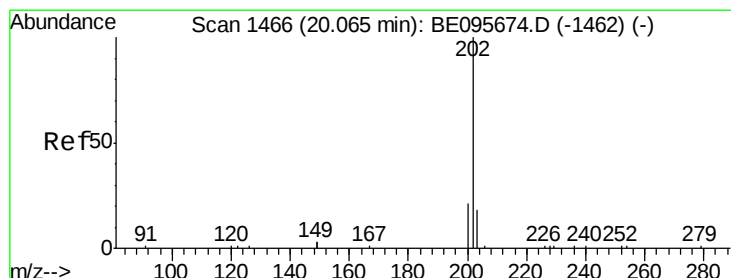
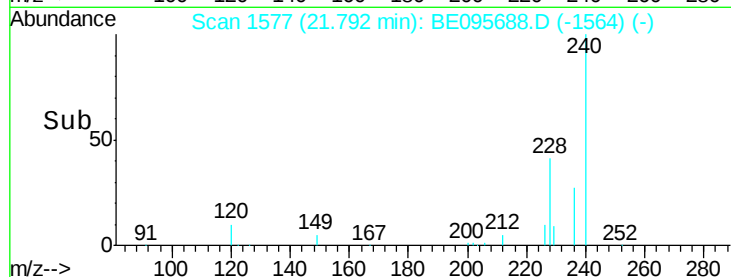
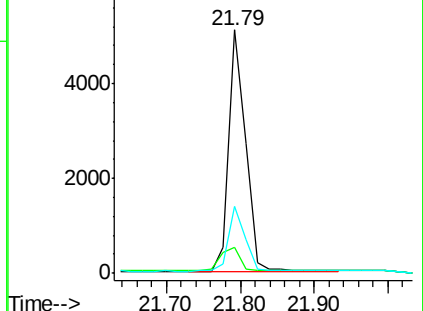
236 27.7 20.7 31.1



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: 0.329 ng

RT: 20.06 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

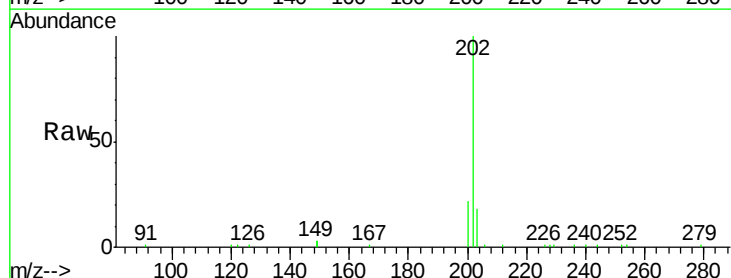
Tgt Ion:202 Resp: 10833

Ion Ratio Lower Upper

202 100

200 26.7 16.6 25.0#

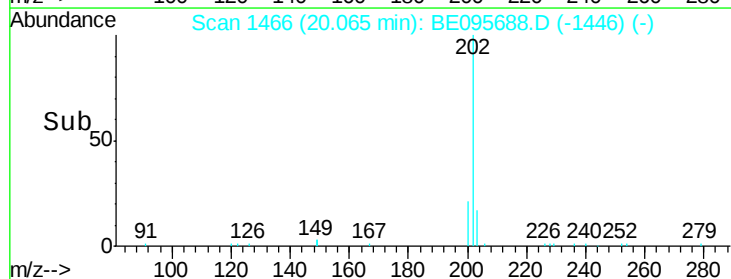
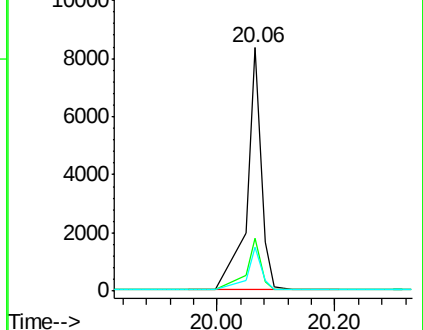
203 20.6 13.8 20.8



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: 0.391 ng

RT: 20.25 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampled :

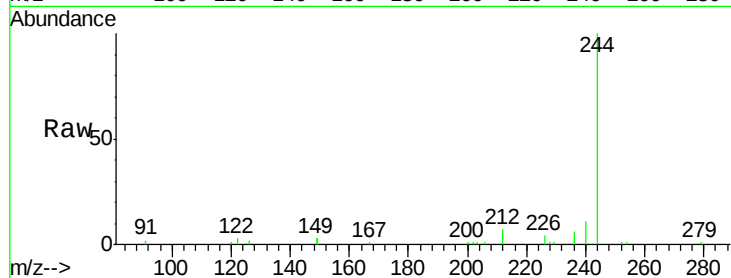
Tot Ion:244 Resp: 6260

Ion Ratio Lower Upper

244 100

212 6.6 25.4 38.0#

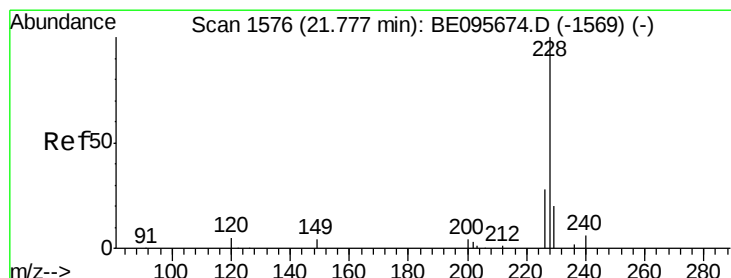
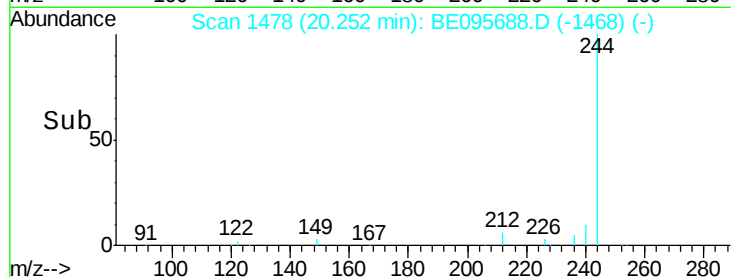
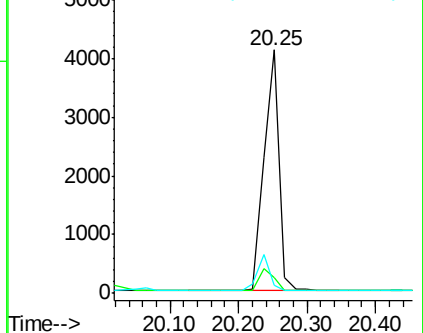
122 3.1 8.1 12.1#



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: 0.390 ng

RT: 21.78 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

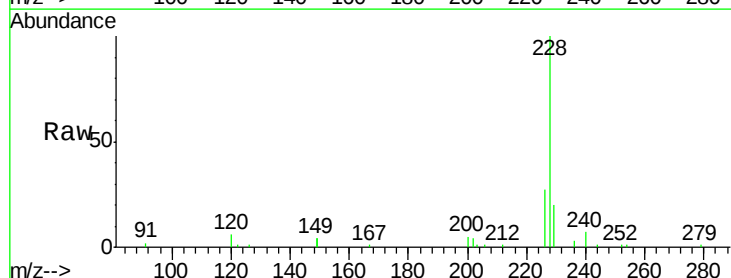
Tgt Ion:228 Resp: 10229

Ion Ratio Lower Upper

228 100

226 27.5 24.0 36.0

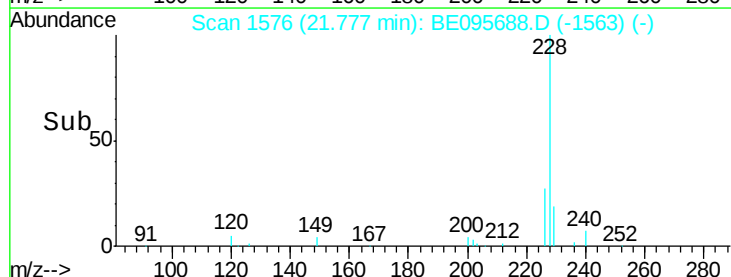
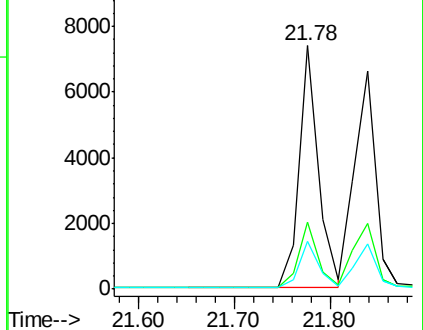
229 19.8 16.0 24.0

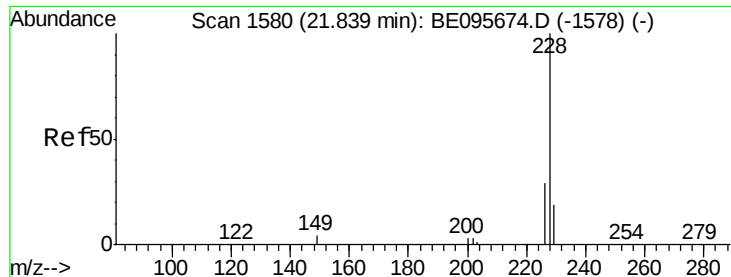


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.384 ng

RT: 21.84 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

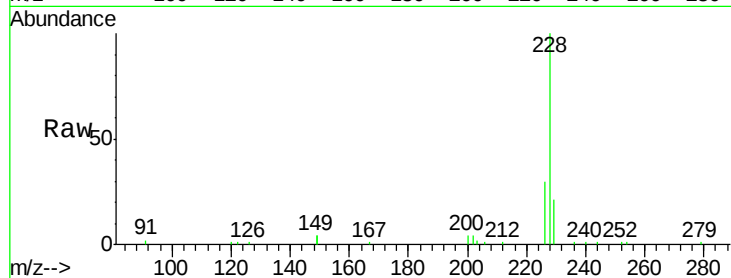
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 10017

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	20.6	16.0	24.0

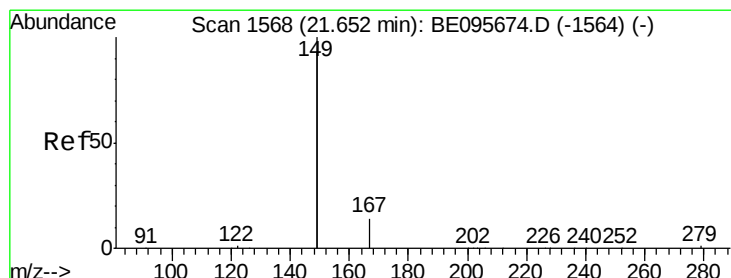
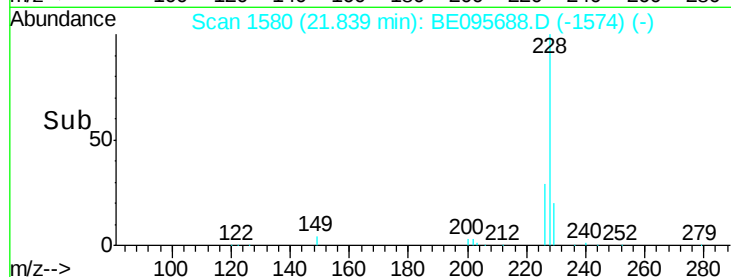
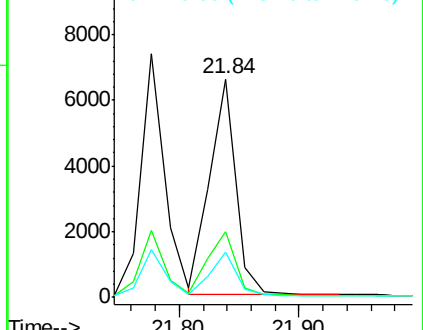


Abundance

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: 0.403 ng

RT: 21.65 min Scan# 1568

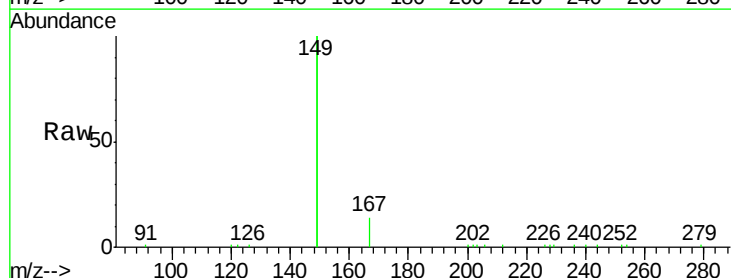
Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Tgt Ion:149 Resp: 18681

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	0.8	0.7	1.1

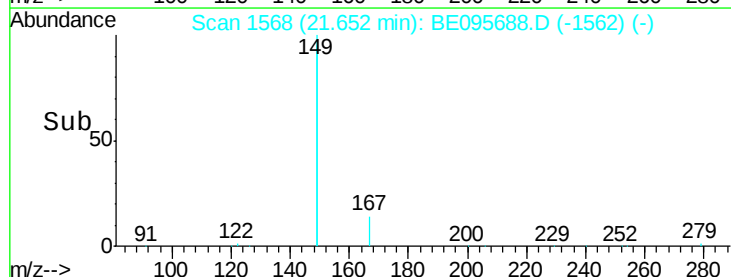
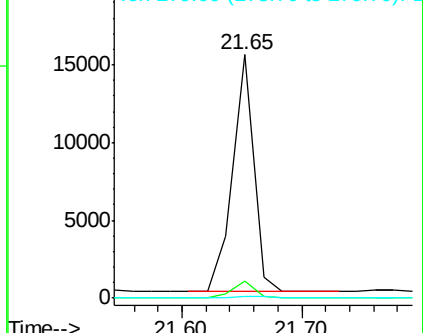


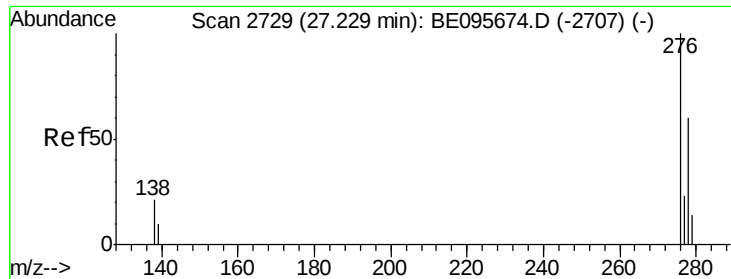
Abundance

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

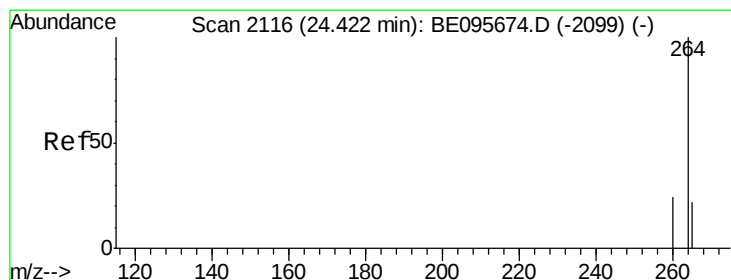
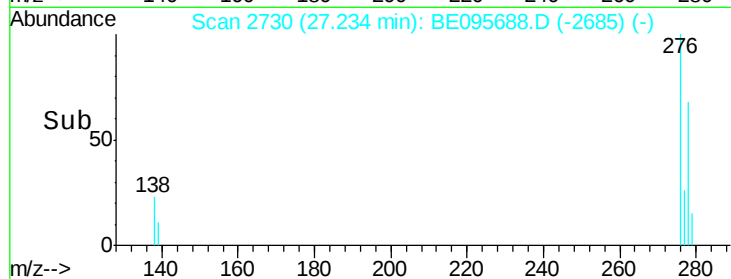
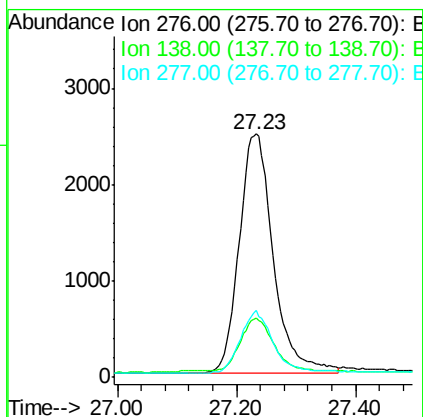
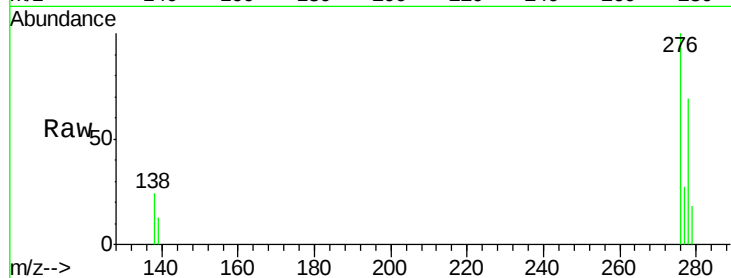




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.391 ng
 RT: 27.23 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: BE095688.D
 Acq: 26 Feb 2018 14:42

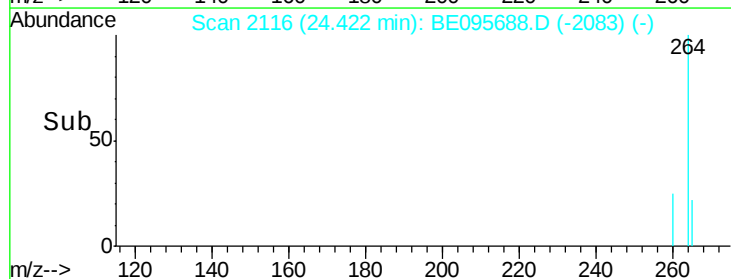
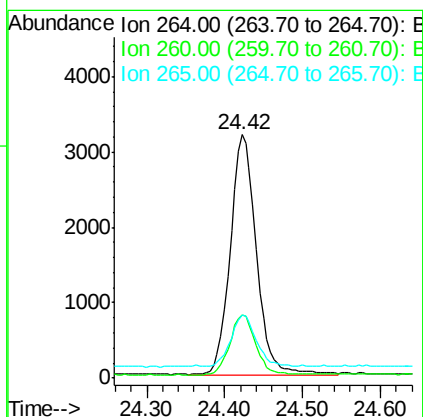
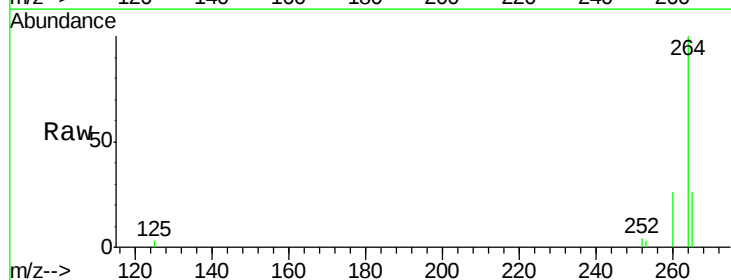
Instrument :
 BNA_E
 ClientSampleId :

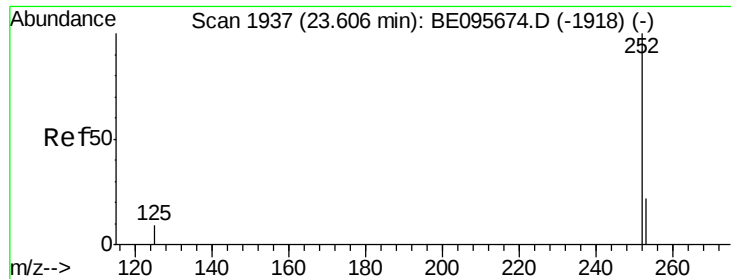
Tot Ion:276 Resp: 9886
 Ion Ratio Lower Upper
 276 100
 138 21.6 22.5 33.7#
 277 24.8 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.42 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BE095688.D
 Acq: 26 Feb 2018 14:42

Tgt Ion:264 Resp: 7373
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.5 30.7
 265 26.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.372 ng

RT: 23.61 min Scan# 1937

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :

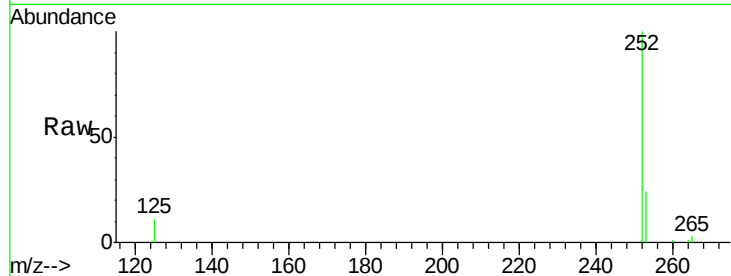
Tot Ion:252 Resp: 9775

Ion Ratio Lower Upper

252 100

253 23.9 20.0 30.0

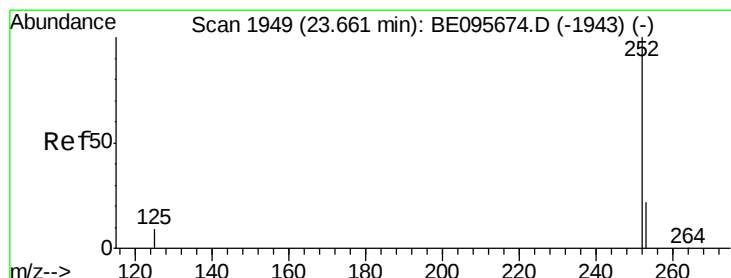
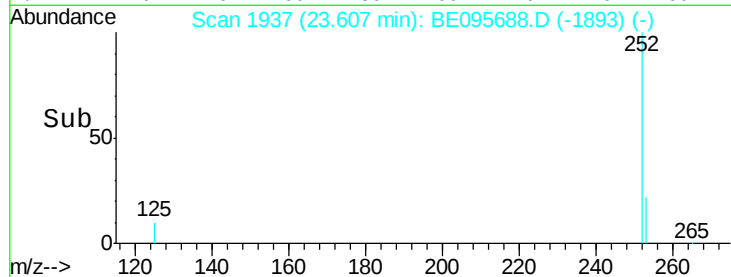
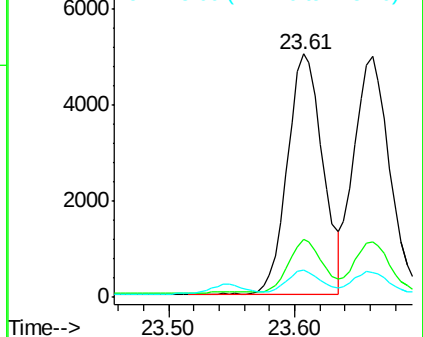
125 11.4 16.0 24.0#



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: 0.377 ng

RT: 23.66 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

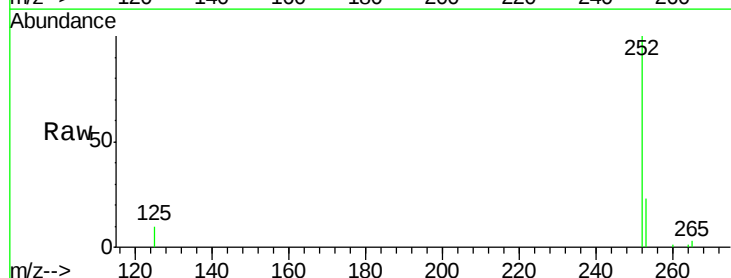
Tgt Ion:252 Resp: 9839

Ion Ratio Lower Upper

252 100

253 22.8 16.0 24.0

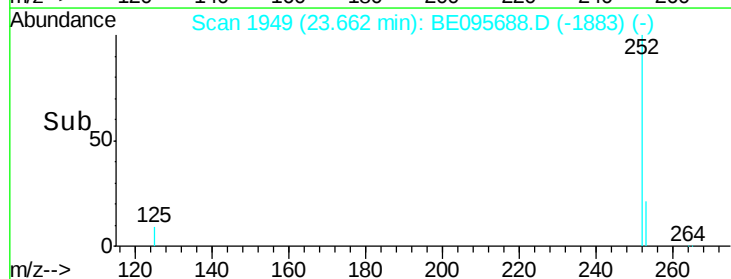
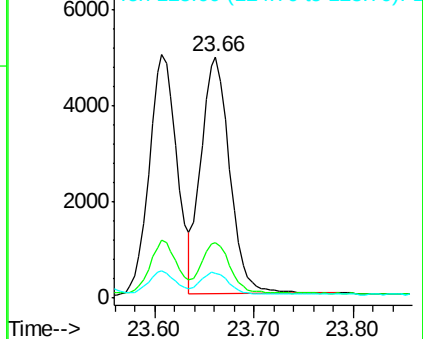
125 10.3 8.0 12.0

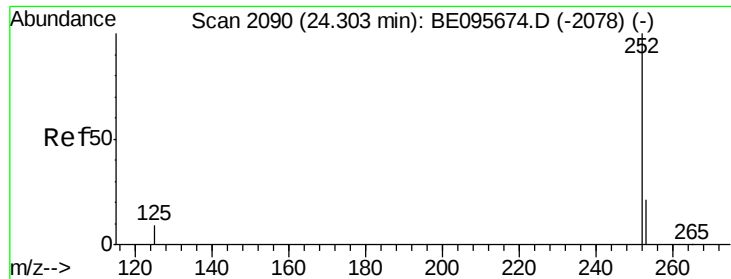


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.389 ng

RT: 24.30 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :

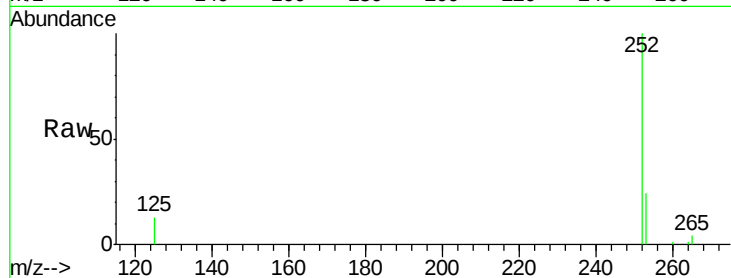
Tot Ion:252 Resp: 9212

Ion Ratio Lower Upper

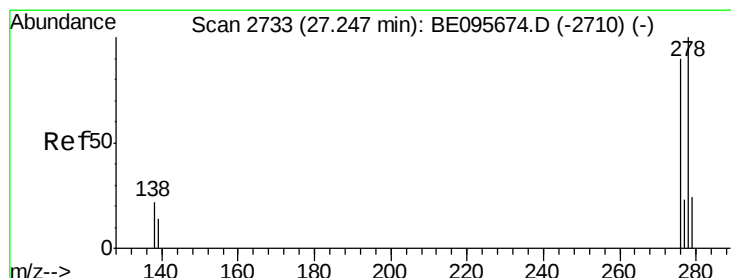
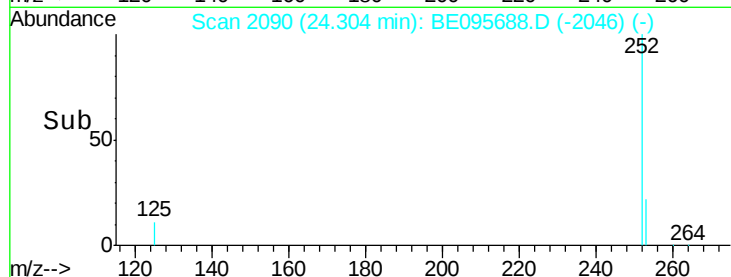
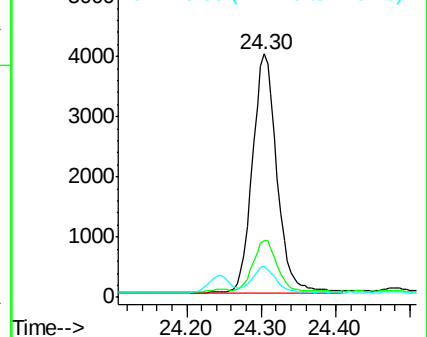
252 100

253 23.5 16.0 24.0

125 12.9 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: 0.379 ng

RT: 27.25 min Scan# 2733

Delta R.T. 0.00 min

Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

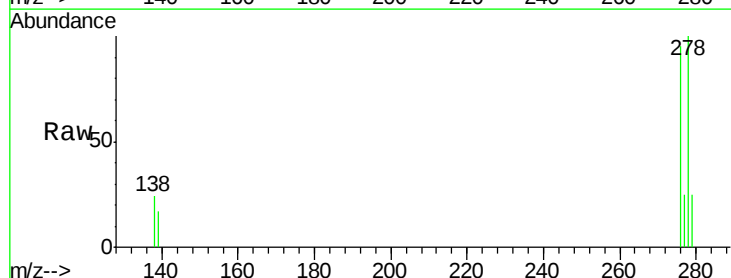
Tgt Ion:278 Resp: 7977

Ion Ratio Lower Upper

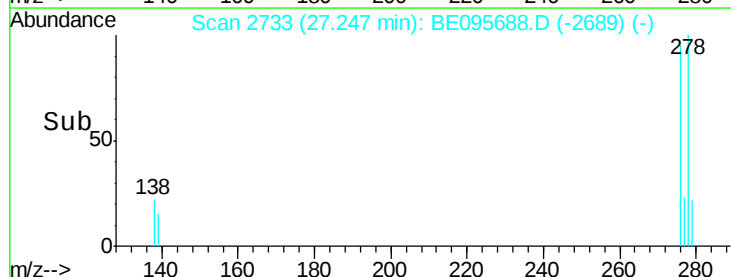
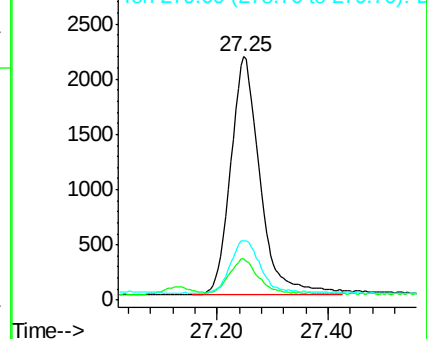
278 100

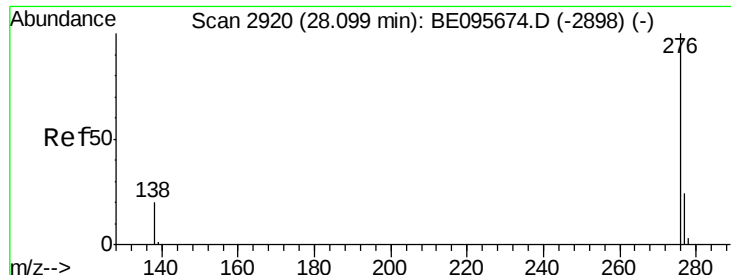
139 17.2 16.0 24.0

279 24.6 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: 0.375 ng

RT: 28.10 min Scan# 2920

Delta R.T. 0.00 min

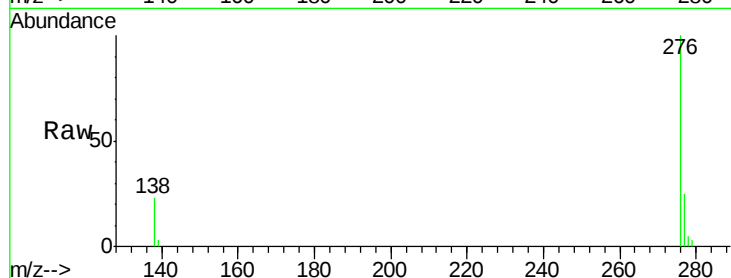
Lab File: BE095688.D

Acq: 26 Feb 2018 14:42

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 8472

Ion Ratio Lower Upper

276 100

277 25.4 16.0 24.0#

138 22.5 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

