

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121817\
 Data File : BE095011.D
 Acq On : 18 Dec 2017 15:55
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 19 04:03:13 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE121817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:40:43 2017
 Response via : Initial Calibration

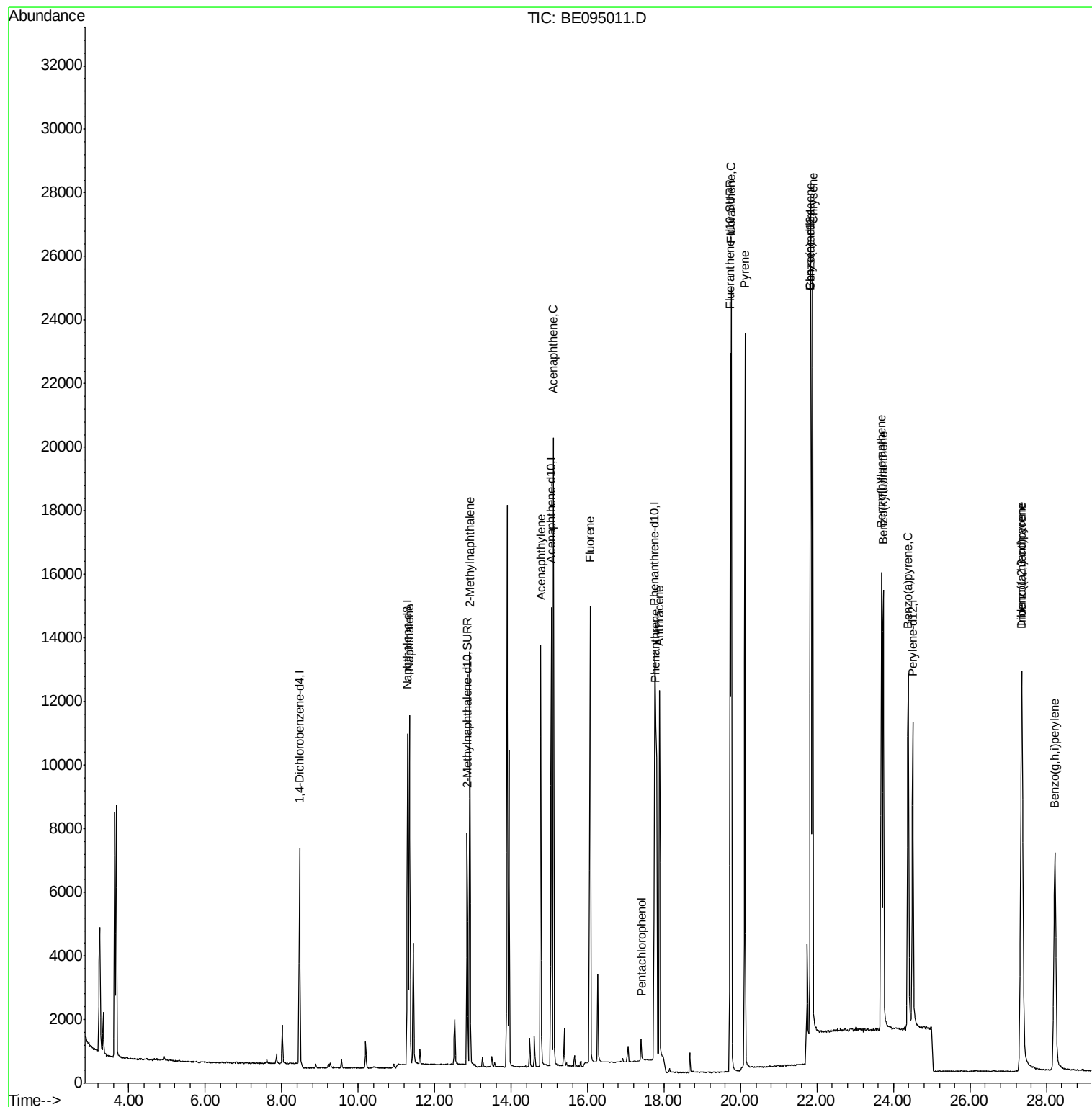
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	4564	0.40	ng/ul	0.00
2) Naphthalene-d8	11.29	136	14255	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.04	164	8133	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.75	188	19783	0.40	ng/ul	0.00
16) Chrysene-d12	21.84	240	18986	0.40	ng/ul	0.00
20) Perylene-d12	24.50	264	15346	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.85	152	9886	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.73	212	24873	0.40	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	15833	0.418	ng/ul#	89
5) 2-Methylnaphthalene	12.91	142	11047	0.377	ng/ul	100
7) Acenaphthylene	14.77	152	15037	0.404	ng/ul	95
8) Acenaphthene	15.10	153	11725	0.410	ng/ul	93
9) Fluorene	16.07	166	13010	0.410	ng/ul	93
11) Pentachlorophenol	17.41	266	684	0.340	ng/ul	98
12) Phenanthrene	17.78	178	20360	0.391	ng/ul#	80
13) Anthracene	17.87	178	18391	0.372	ng/ul#	85
15) Fluoranthene	19.76	202	27256	0.401	ng/ul	84
17) Pyrene	20.11	202	27198	0.412	ng/ul#	78
18) Benzo(a)anthracene	21.82	228	22808	0.418	ng/ul#	84
19) Chrysene	21.89	228	23662	0.409	ng/ul	97
21) Benzo(b)fluoranthene	23.68	252	22153	0.413	ng/ul	85
22) Benzo(k)fluoranthene	23.73	252	20470	0.419	ng/ul#	86
23) Benzo(a)pyrene	24.38	252	19279	0.419	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.34	276	20926	0.414	ng/ul#	82
25) Dibenzo(a,h)anthracene	27.37	278	16864	0.412	ng/ul#	90
26) Benzo(g,h,i)perylene	28.22	276	18253	0.417	ng/ul	95

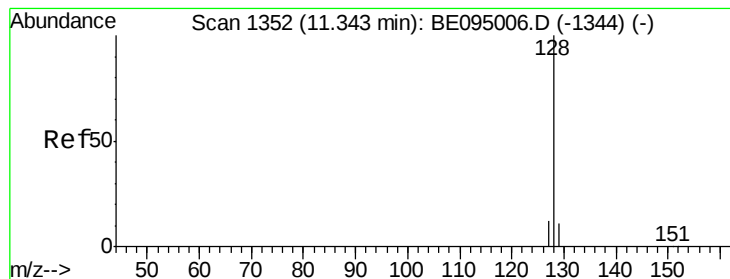
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.418 ng/ul

RT: 11.34 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

Instrument :

BNA_E

ClientSampleId :

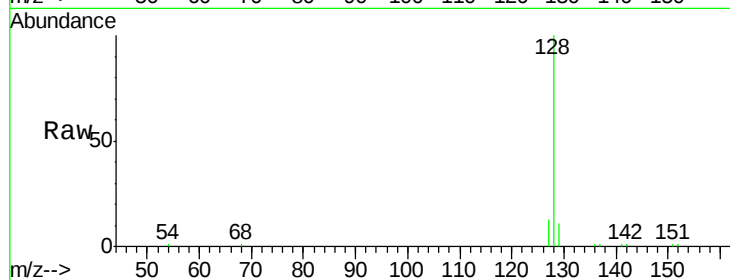
Tot Ion:128 Resp: 15833

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

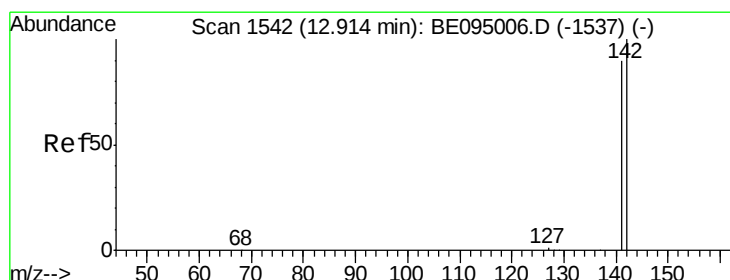
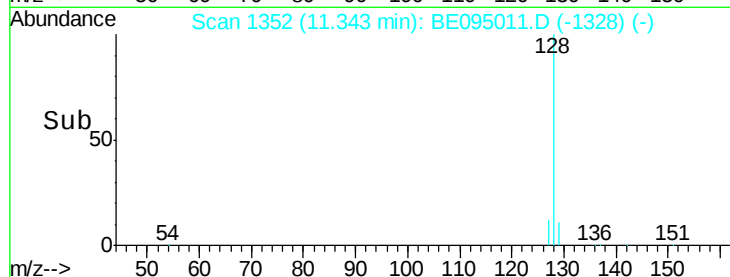
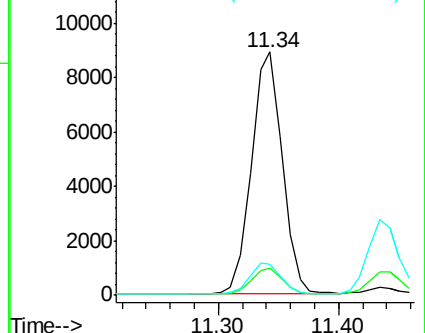
127 12.9 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.377 ng/ul

RT: 12.91 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BE095011.D

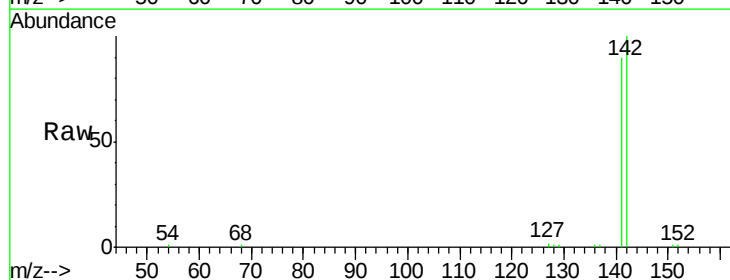
Acq: 18 Dec 2017 15:55

Tgt Ion:142 Resp: 11047

Ion Ratio Lower Upper

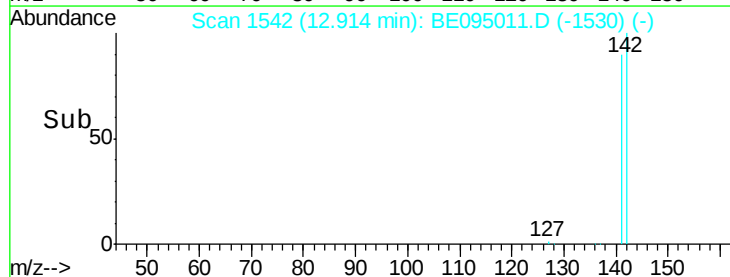
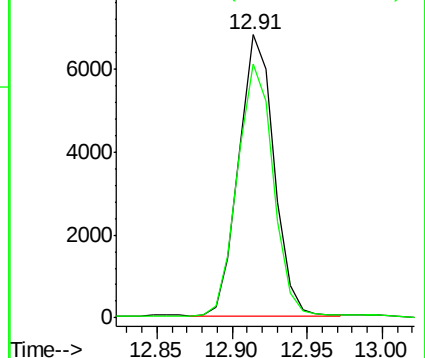
142 100

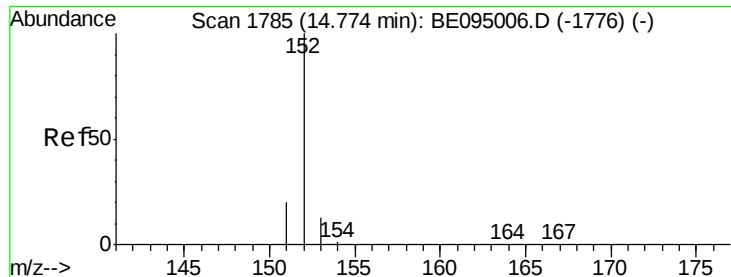
141 90.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.404 ng/ul

RT: 14.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

Instrument :

BNA_E

ClientSampled :

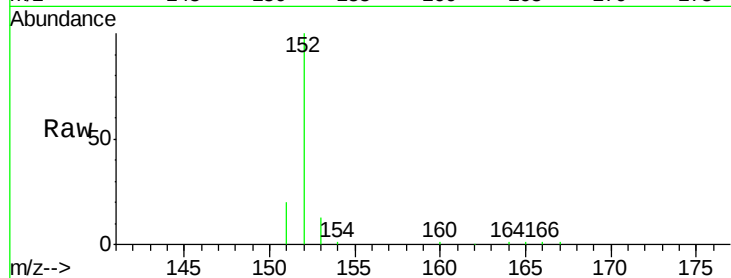
Tot Ion:152 Resp: 15037

Ion Ratio Lower Upper

152 100

151 20.0 17.1 25.7

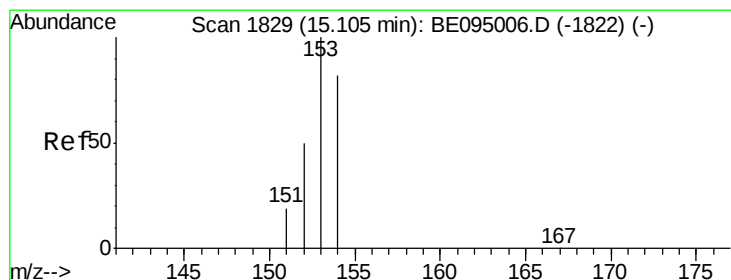
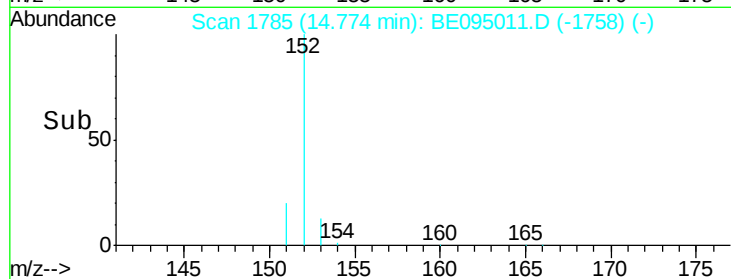
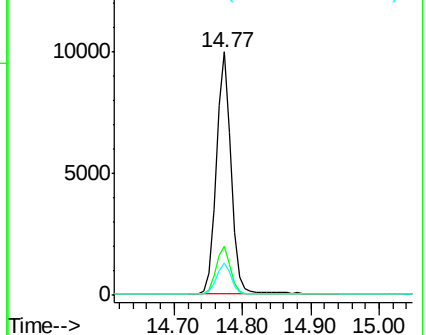
153 13.2 12.8 19.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.410 ng/ul

RT: 15.10 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

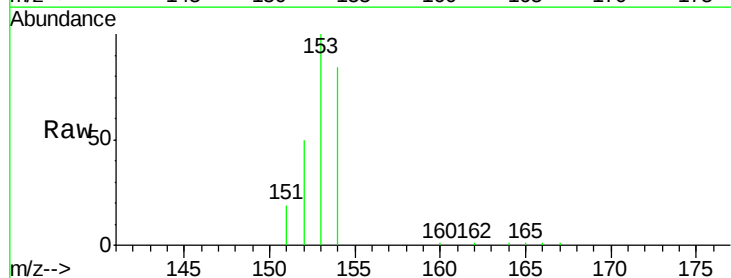
Tgt Ion:153 Resp: 11725

Ion Ratio Lower Upper

153 100

152 49.7 36.0 54.0

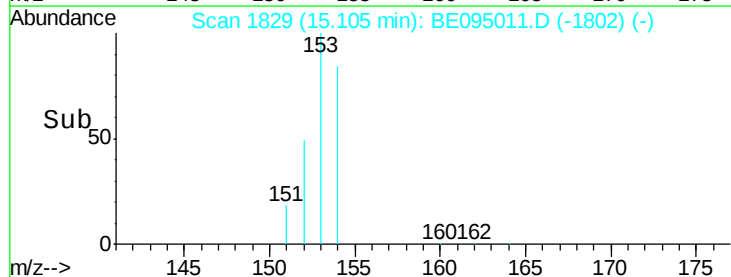
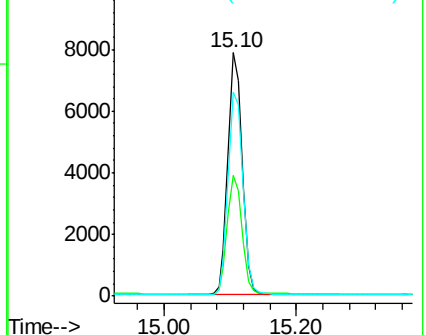
154 83.7 72.0 108.0

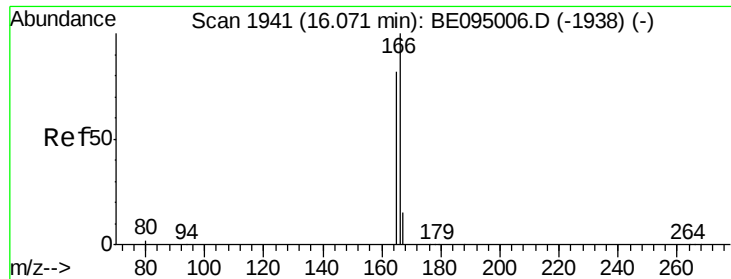


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.410 ng/ul

RT: 16.07 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

Instrument :

BNA_E

ClientSampleId :

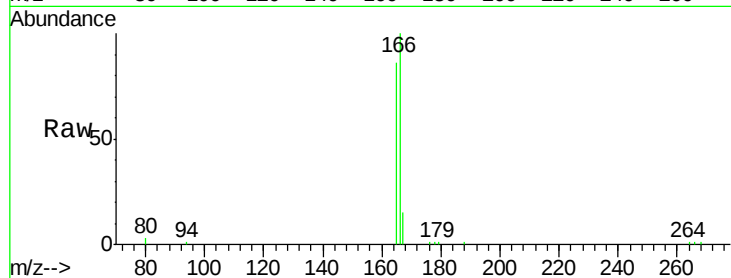
Tot Ion:166 Resp: 13010

Ion Ratio Lower Upper

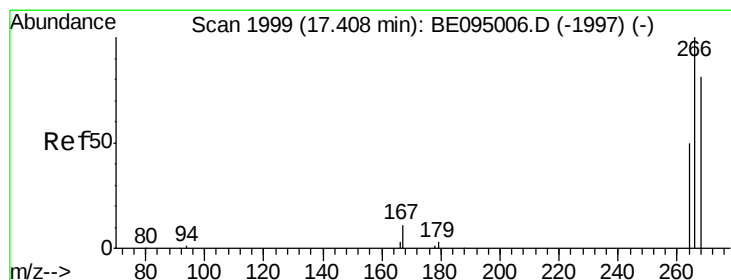
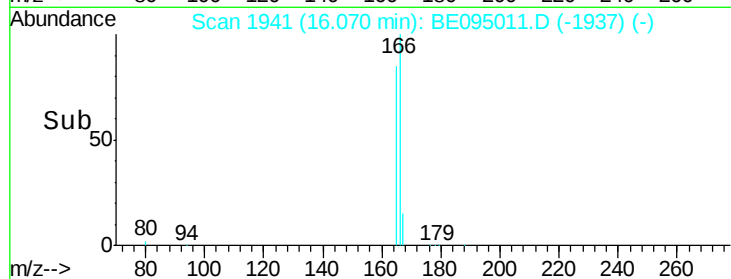
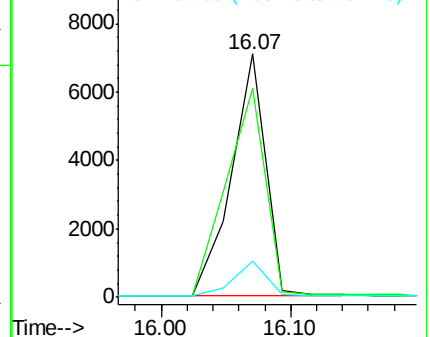
166 100

165 85.7 73.4 110.2

167 15.1 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.340 ng/ul

RT: 17.41 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

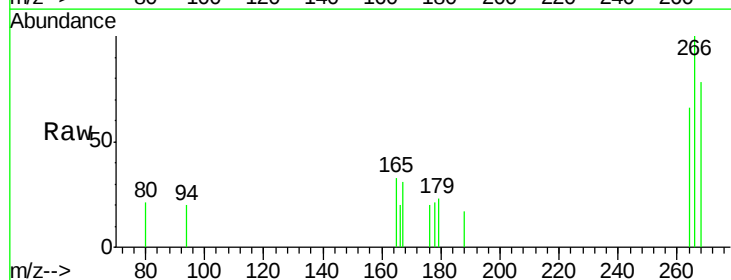
Tgt Ion:266 Resp: 684

Ion Ratio Lower Upper

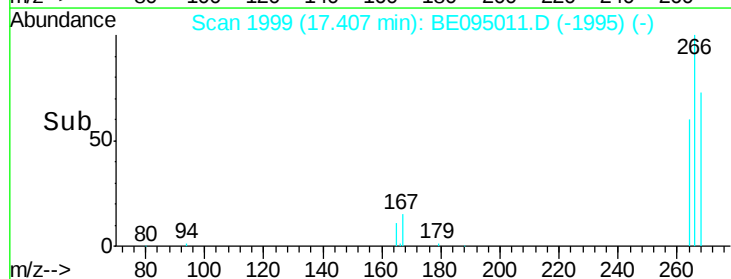
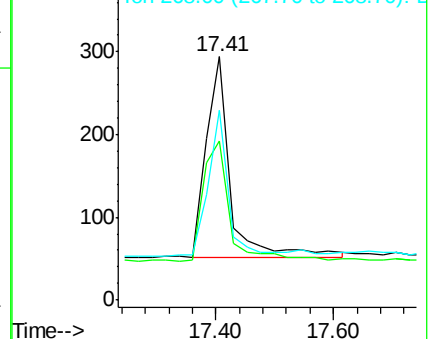
266 100

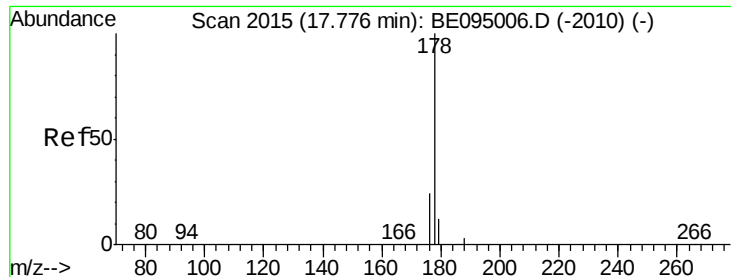
264 62.7 47.9 71.9

268 61.4 49.8 74.8



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





#12

Phenanthrene

Concen: 0.391 ng/ul

RT: 17.78 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

Instrument :

BNA_E

ClientSampleId :

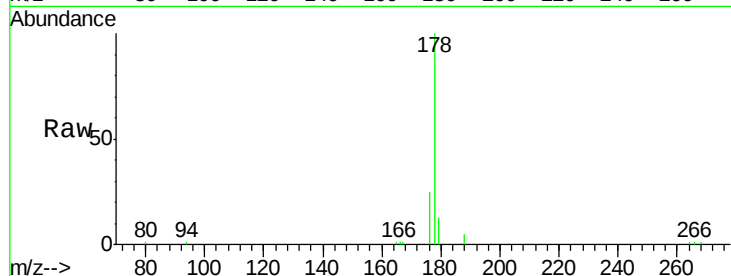
Tot Ion:178 Resp: 20360

Ion Ratio Lower Upper

178 100

179 12.7 18.4 27.6#

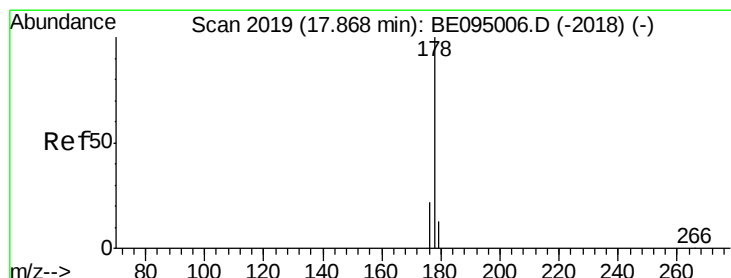
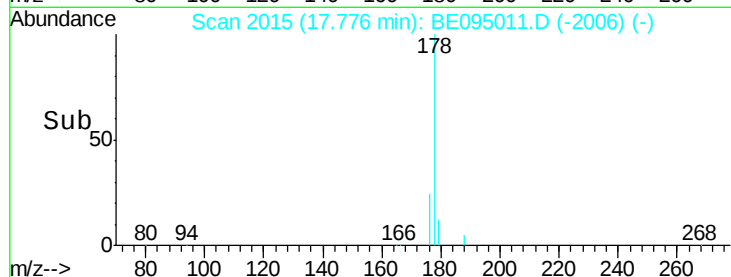
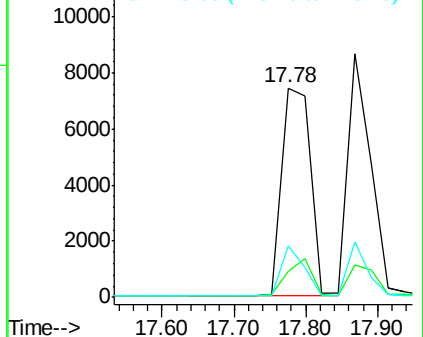
176 24.8 13.6 20.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.372 ng/ul

RT: 17.87 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

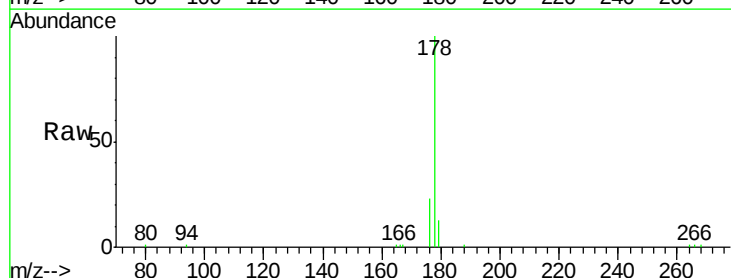
Tgt Ion:178 Resp: 18391

Ion Ratio Lower Upper

178 100

179 13.3 18.1 27.1#

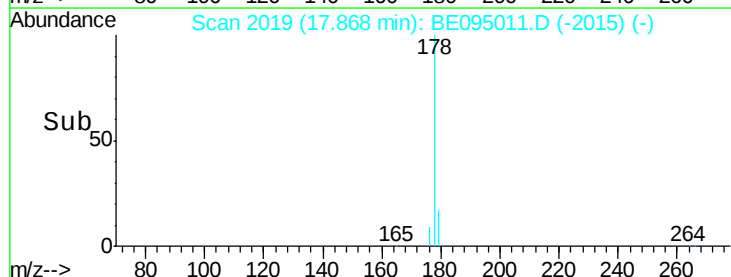
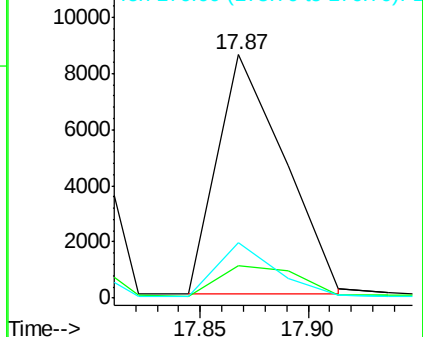
176 22.6 14.7 22.1#

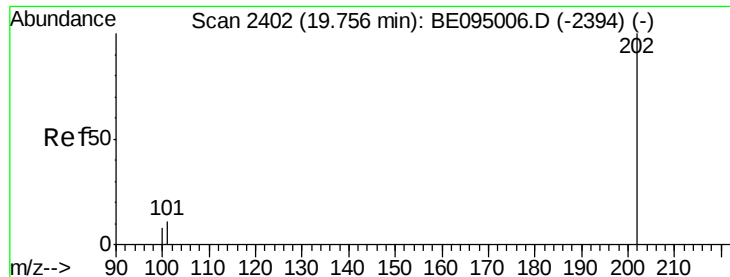


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.401 ng/ul

RT: 19.76 min Scan# 2402

Delta R.T. -0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

Instrument :

BNA_E

ClientSampleId :

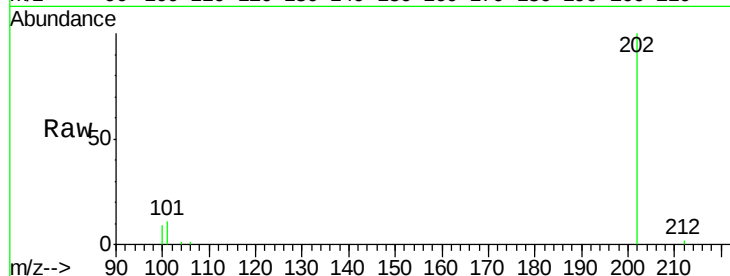
Tot Ion:202 Resp: 27256

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

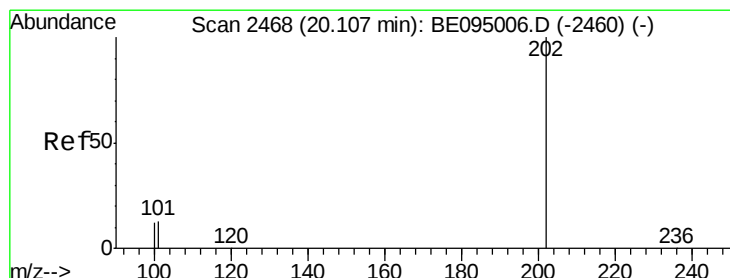
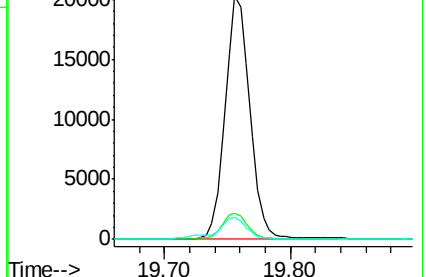
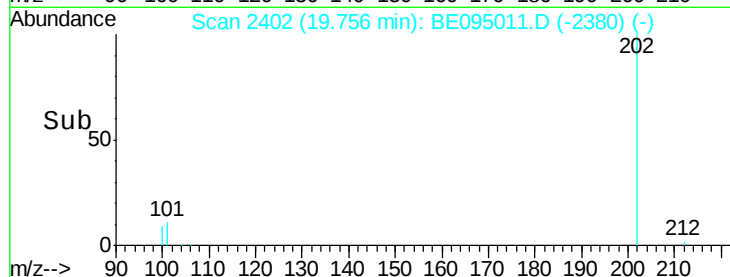
100 9.0 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE



#17

Pyrene

Concen: 0.412 ng/ul

RT: 20.11 min Scan# 2469

Delta R.T. 0.01 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

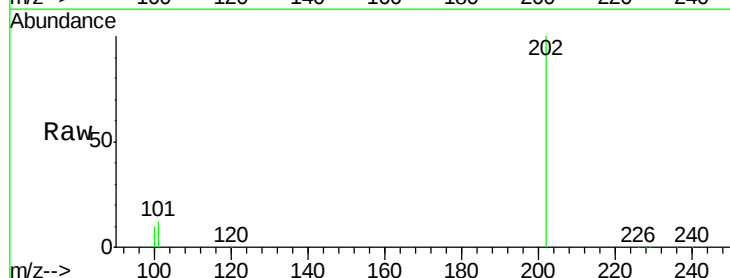
Tgt Ion:202 Resp: 27198

Ion Ratio Lower Upper

202 100

101 11.9 18.2 27.4#

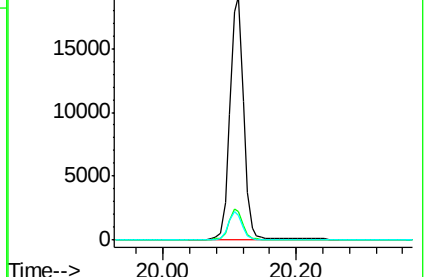
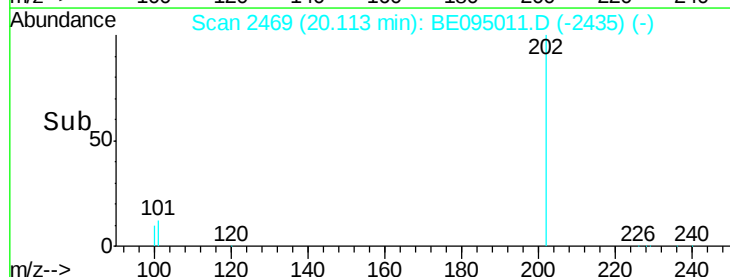
100 10.1 15.6 23.4#

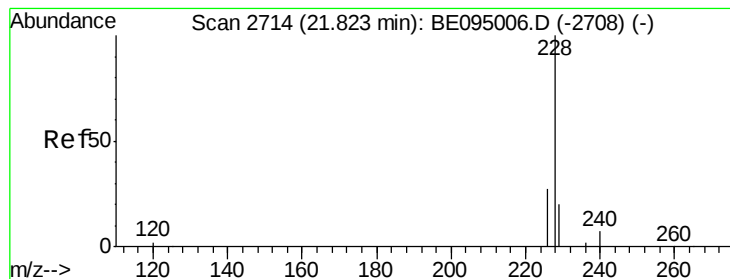


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.418 ng/ul

RT: 21.82 min Scan# 2714

Delta R.T. -0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

Instrument :

BNA_E

ClientSampleId :

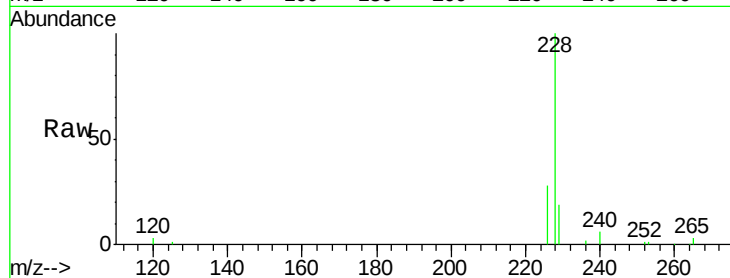
Tot Ion:228 Resp: 22808

Ion Ratio Lower Upper

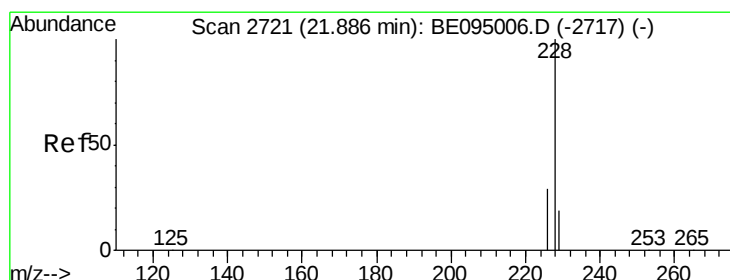
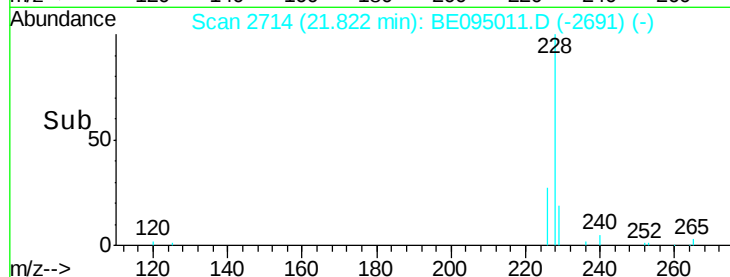
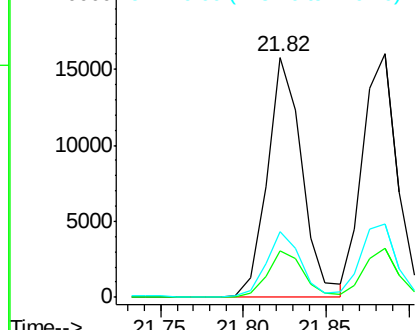
228 100

229 19.3 22.8 34.2#

226 27.6 17.0 25.6#



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



#19

Chrysene

Concen: 0.409 ng/ul

RT: 21.89 min Scan# 2721

Delta R.T. -0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

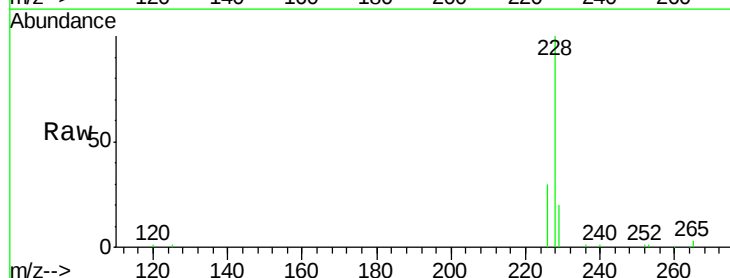
Tgt Ion:228 Resp: 23662

Ion Ratio Lower Upper

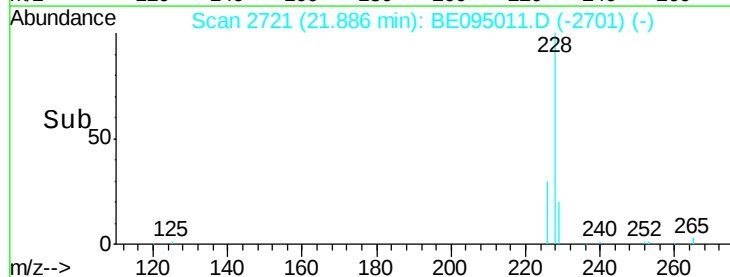
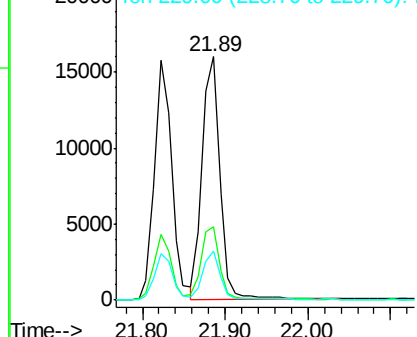
228 100

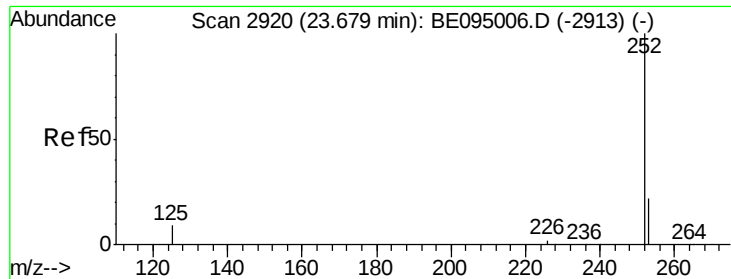
226 30.0 23.4 35.0

229 20.1 17.7 26.5



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





#21

Benzo(b)fluoranthene

Concen: 0.413 ng/ul

RT: 23.68 min Scan# 2920

Delta R.T. -0.00 min

Lab File: BE095011.D

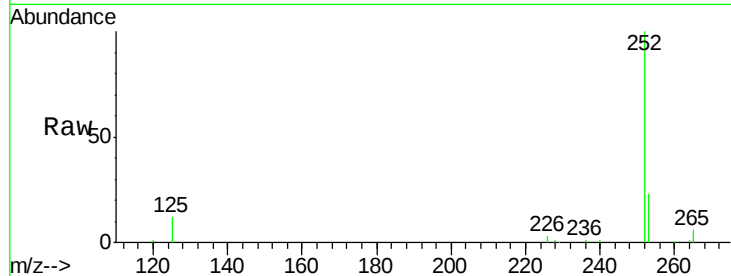
Acq: 18 Dec 2017 15:55

Instrument :

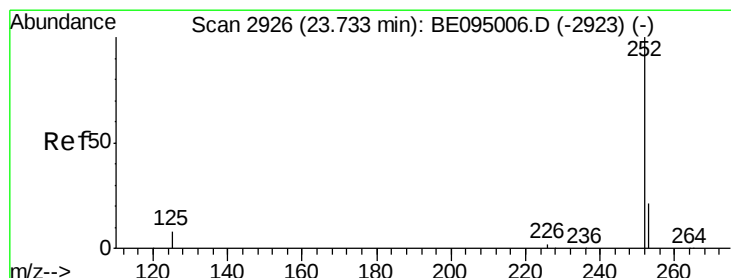
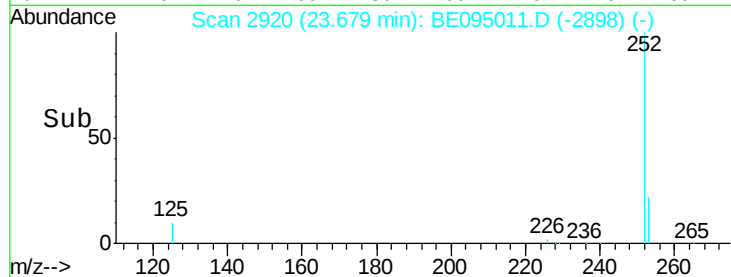
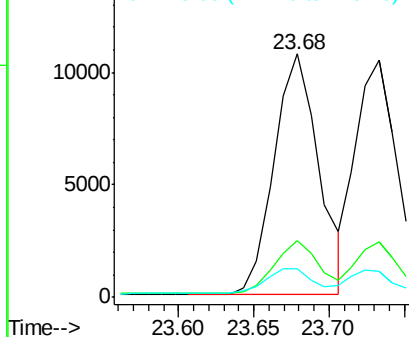
BNA_E

ClientSampleId :

Tot Ion:252	Resp:	22153
Ion Ratio	Lower	Upper
252	100	
253	23.2	0.0 64.2
125	11.6	0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.419 ng/ul

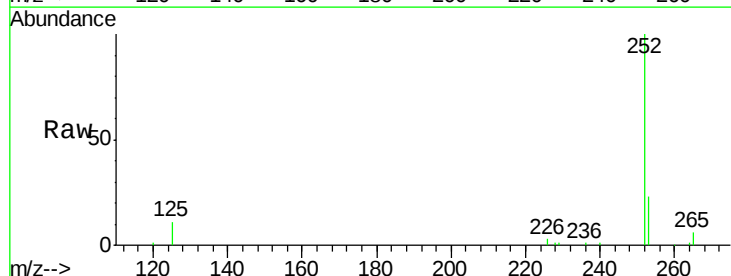
RT: 23.73 min Scan# 2926

Delta R.T. -0.00 min

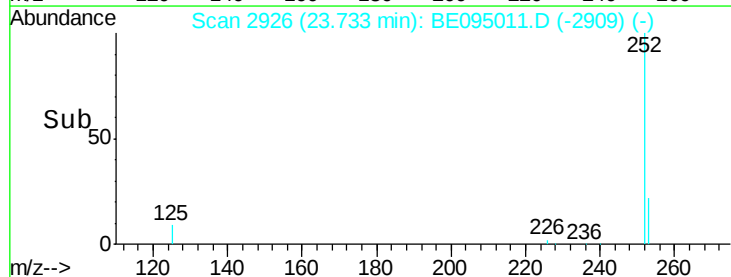
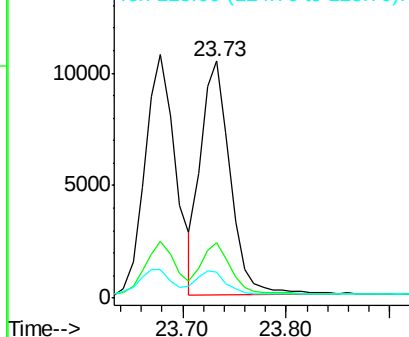
Lab File: BE095011.D

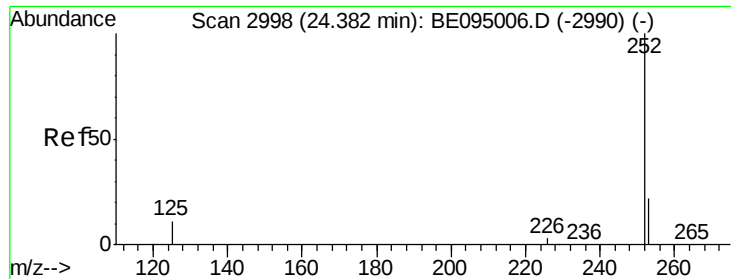
Acq: 18 Dec 2017 15:55

Tgt Ion:252	Resp:	20470
Ion Ratio	Lower	Upper
252	100	
253	23.2	24.5 36.7#
125	10.7	13.7 20.5#



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





#23

Benzo(a)pyrene

Concen: 0.419 ng/ul

RT: 24.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

Instrument :

BNA_E

ClientSampleId :

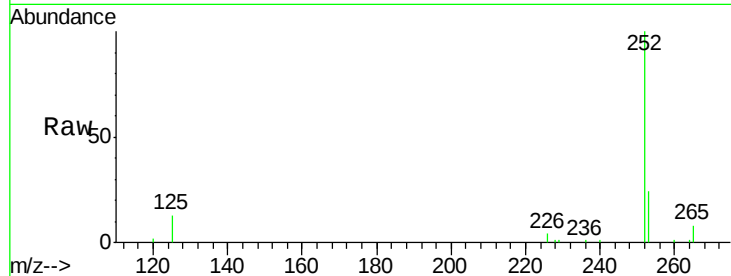
Tot Ion:252 Resp: 19279

Ion Ratio Lower Upper

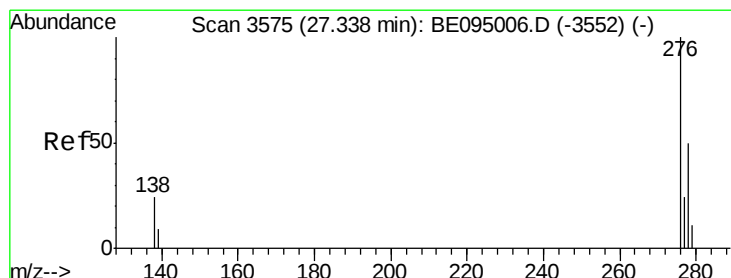
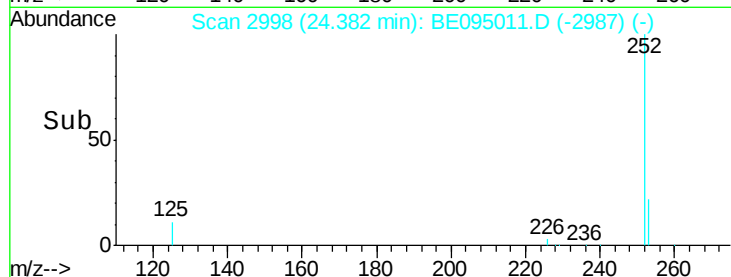
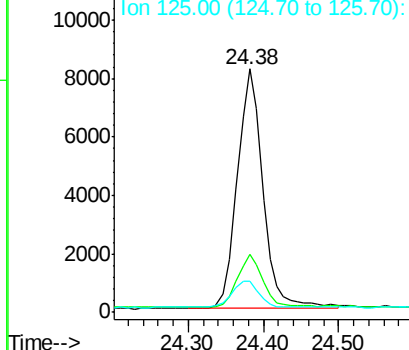
252 100

253 24.0 28.5 42.7#

125 12.9 18.1 27.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.414 ng/ul

RT: 27.34 min Scan# 3576

Delta R.T. 0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

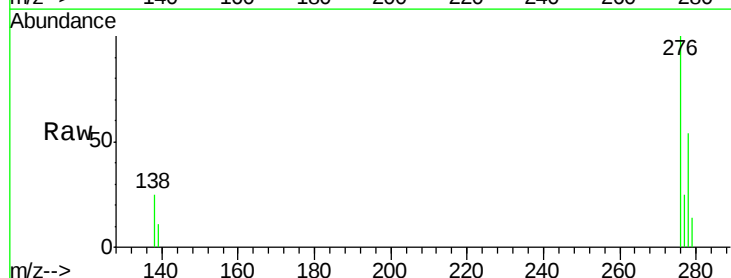
Tgt Ion:276 Resp: 20926

Ion Ratio Lower Upper

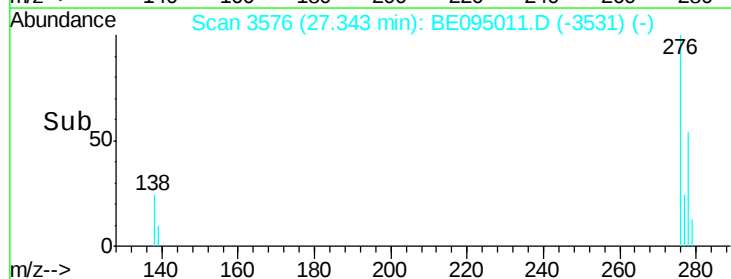
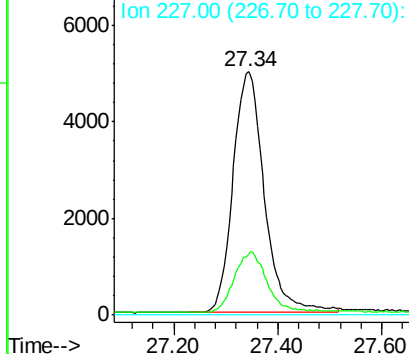
276 100

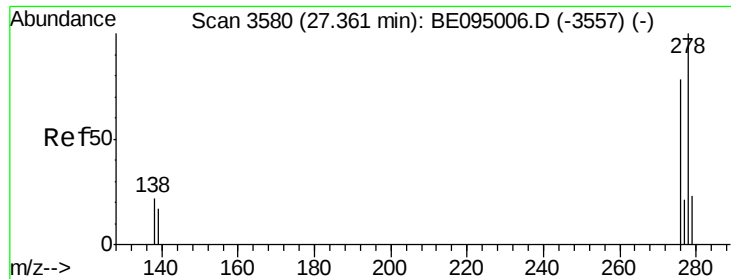
138 26.4 28.0 42.0#

227 0.0 8.0 12.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.412 ng/ul

RT: 27.37 min Scan# 3581

Delta R.T. 0.00 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

Instrument :

BNA_E

ClientSampleId :

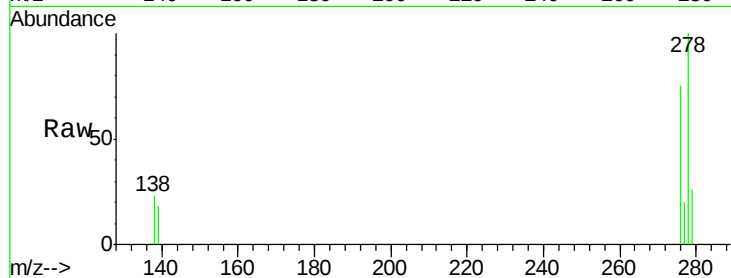
Tot Ion:278 Resp: 16864

Ion Ratio Lower Upper

278 100

139 18.2 17.4 26.0

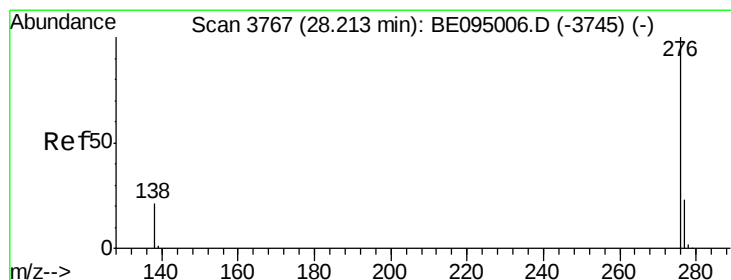
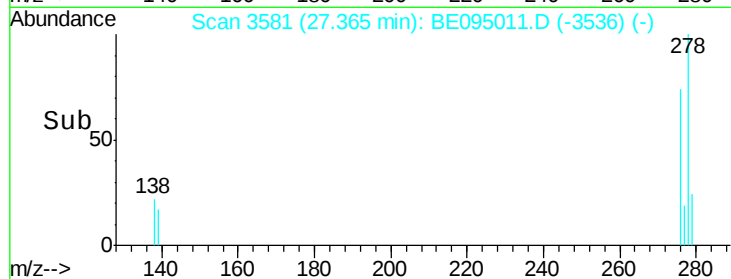
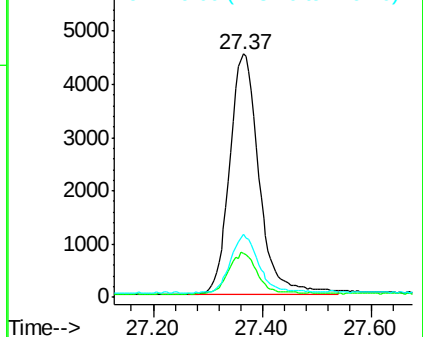
279 25.8 25.9 38.9#



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



#26

Benzo(g,h,i)perylene

Concen: 0.417 ng/ul

RT: 28.22 min Scan# 3769

Delta R.T. 0.01 min

Lab File: BE095011.D

Acq: 18 Dec 2017 15:55

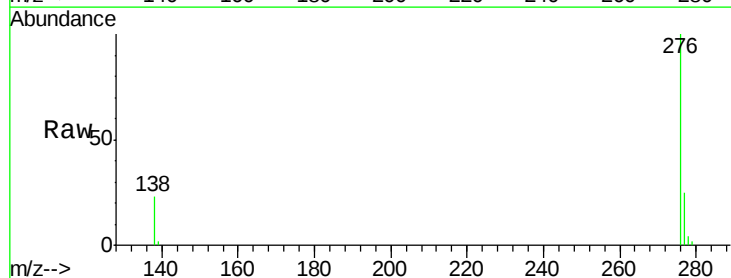
Tgt Ion:276 Resp: 18253

Ion Ratio Lower Upper

276 100

138 22.8 21.8 32.8

277 25.1 20.5 30.7



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

