

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020518\
 Data File : BE095510.D
 Acq On : 6 Feb 2018 2:44
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 06 03:55:52 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 02:09:13 2018
 Response via : Initial Calibration

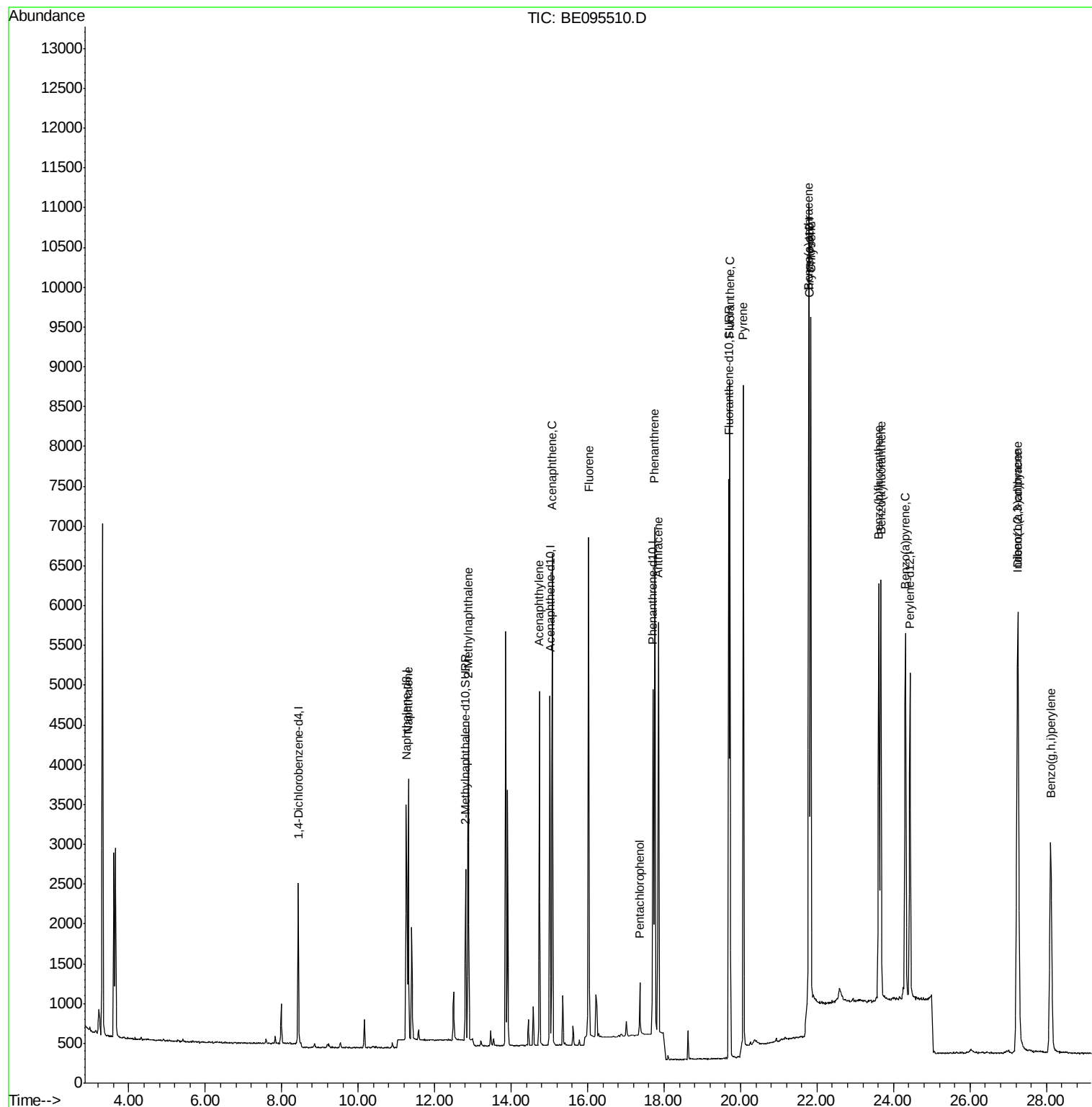
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1548	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	4102	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	2447	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6169	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	6408	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	6052	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	2867	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	8134	0.34	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.31	128	4654	0.405	ng/ul#	90
5) 2-Methylnaphthalene	12.88	142	3281	0.428	ng/ul	100
7) Acenaphthylene	14.74	152	5027	0.427	ng/ul	98
8) Acenaphthene	15.08	153	3705	0.406	ng/ul	96
9) Fluorene	16.02	166	4355	0.462	ng/ul#	87
11) Pentachlorophenol	17.36	266	455	0.381	ng/ul	93
12) Phenanthrene	17.75	178	7489	0.361	ng/ul#	92
13) Anthracene	17.85	178	6637	0.349	ng/ul#	93
15) Fluoranthene	19.72	202	9228	0.344	ng/ul	85
17) Pyrene	20.07	202	10127	0.471	ng/ul#	81
18) Benzo(a)anthracene	21.78	228	8741	0.436	ng/ul#	83
19) Chrysene	21.84	228	8391	0.403	ng/ul	97
21) Benzo(b)fluoranthene	23.62	252	8326	0.390	ng/ul	85
22) Benzo(k)fluoranthene	23.67	252	7560	0.387	ng/ul#	88
23) Benzo(a)pyrene	24.31	252	7616	0.399	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.24	276	8428	0.403	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.26	278	6834	0.400	ng/ul	91
26) Benzo(g,h,i)perylene	28.11	276	7222	0.408	ng/ul	95

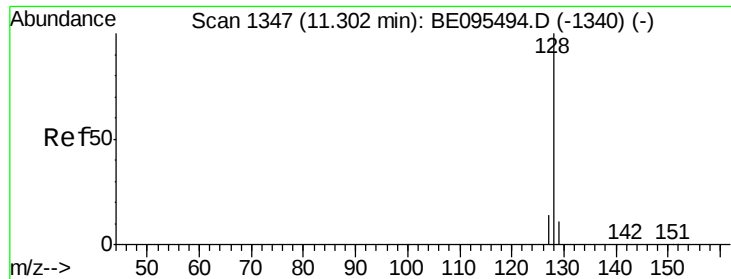
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.405 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

Instrument :

BNA_E

ClientSampleId :

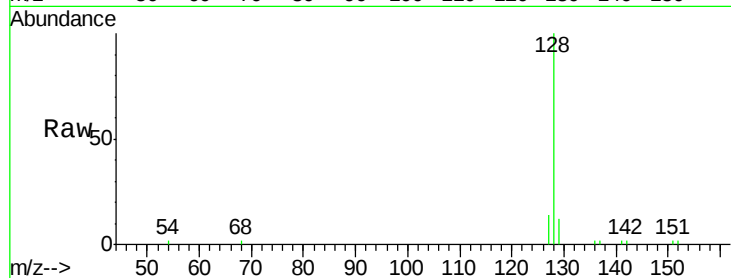
Tot Ion:128 Resp: 4654

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

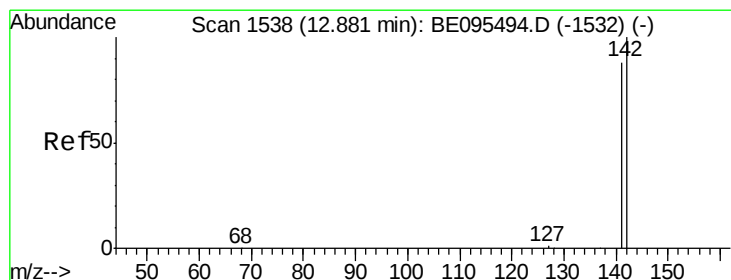
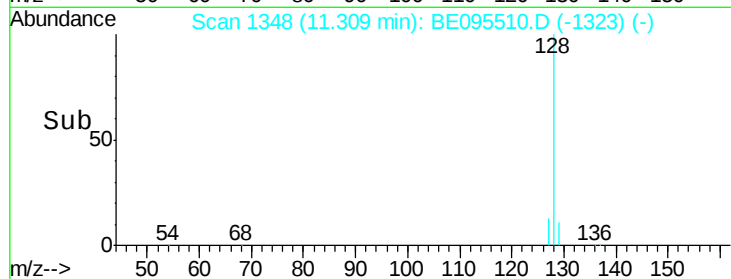
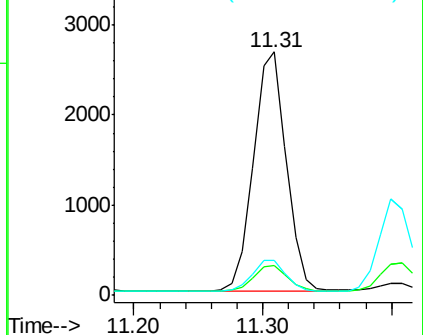
127 14.5 4.0 6.0#



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: 0.428 ng/ul

RT: 12.88 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE095510.D

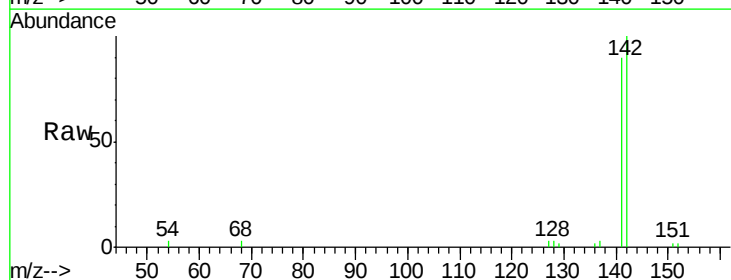
Acq: 6 Feb 2018 2:44

Tgt Ion:142 Resp: 3281

Ion Ratio Lower Upper

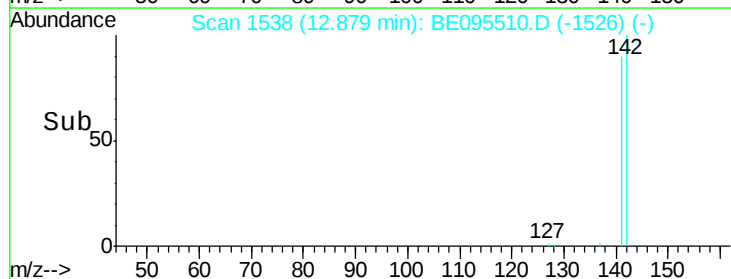
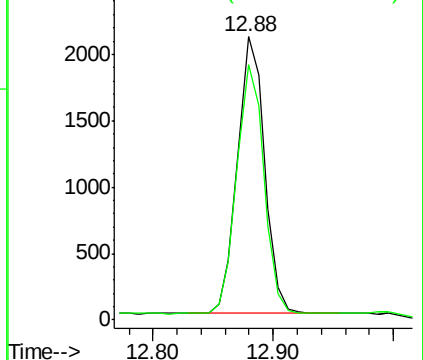
142 100

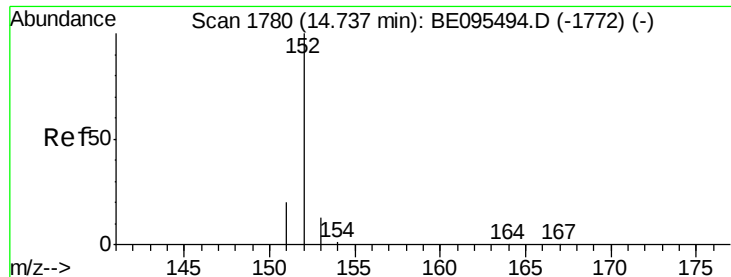
141 90.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.427 ng/ul

RT: 14.74 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

Instrument :

BNA_E

ClientSampleId :

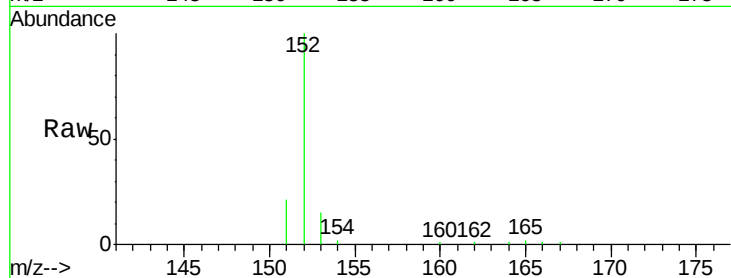
Tot Ion:152 Resp: 5027

Ion Ratio Lower Upper

152 100

151 21.1 17.1 25.7

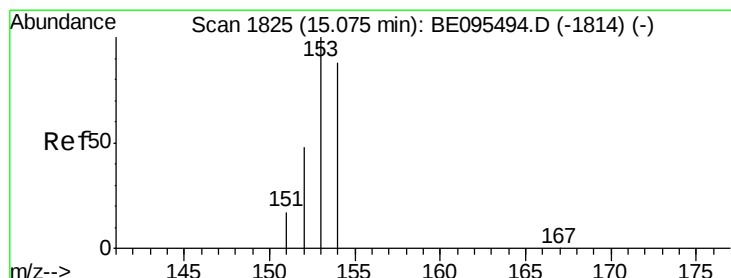
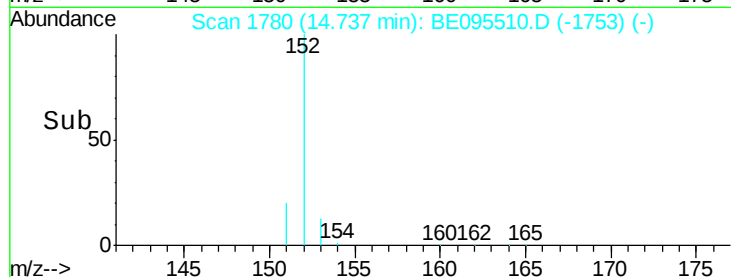
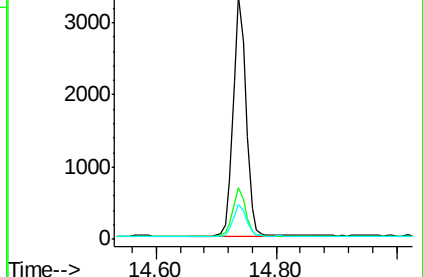
153 14.5 12.8 19.2



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: 0.406 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

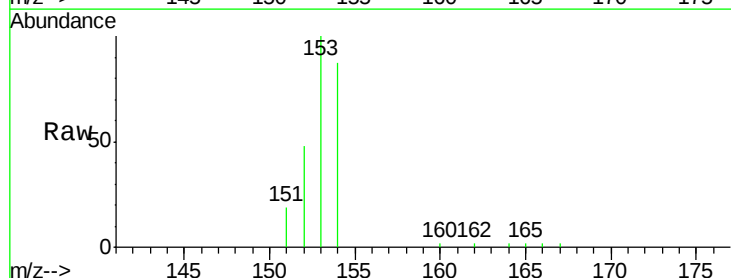
Tgt Ion:153 Resp: 3705

Ion Ratio Lower Upper

153 100

152 48.3 36.0 54.0

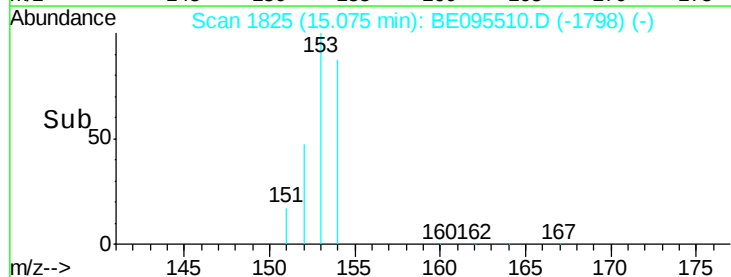
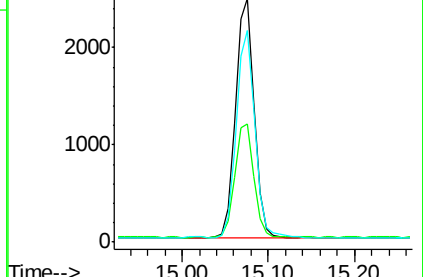
154 86.9 72.0 108.0

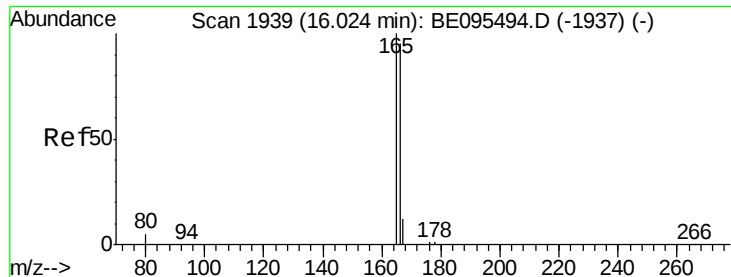


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

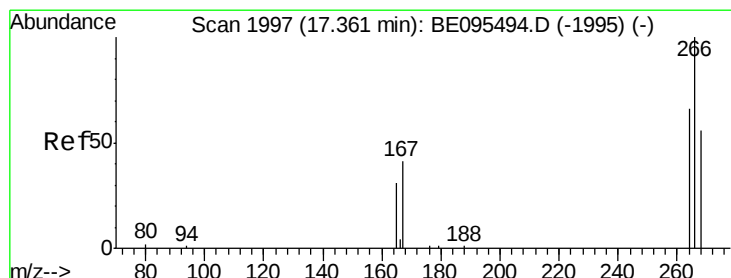
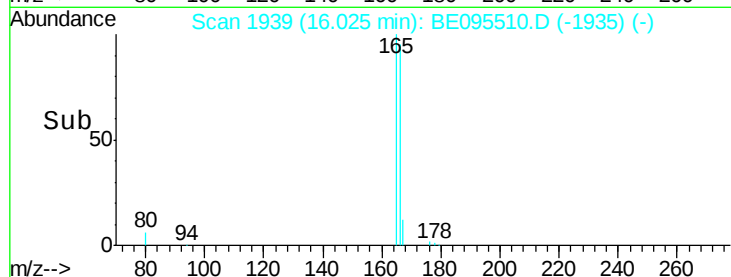
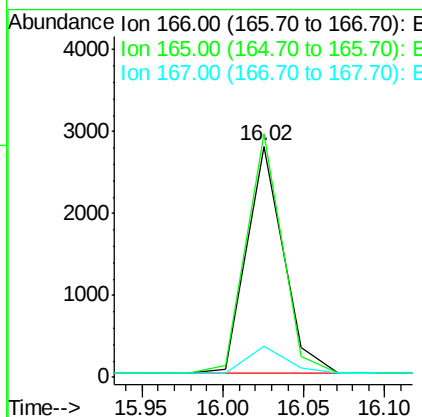
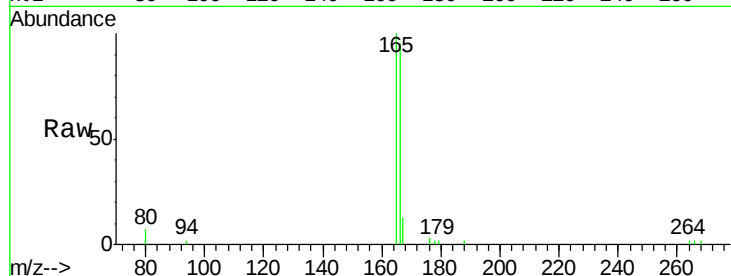




#9
Fluorene
 Concen: 0.462 ng/ul
 RT: 16.02 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: BE095510.D
 Acq: 6 Feb 2018 2:44

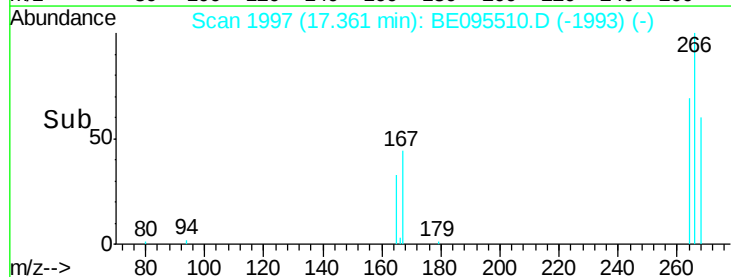
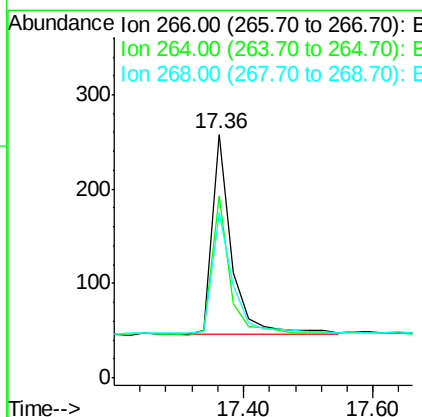
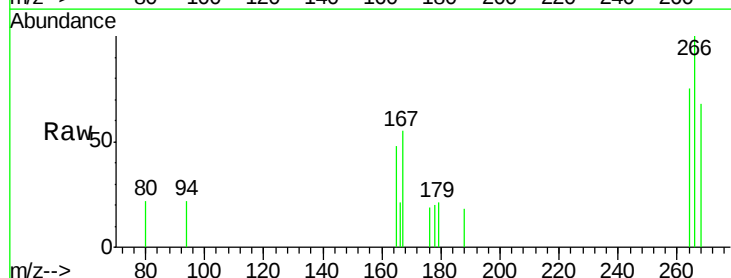
Instrument :
 BNA_E
 ClientSampleId :

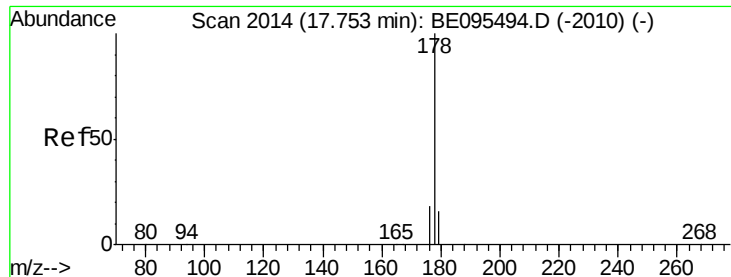
Tot Ion:166 Resp: 4355
 Ion Ratio Lower Upper
 166 100
 165 105.2 73.4 110.2
 167 13.7 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.381 ng/ul
 RT: 17.36 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BE095510.D
 Acq: 6 Feb 2018 2:44

Tgt Ion:266 Resp: 455
 Ion Ratio Lower Upper
 266 100
 264 68.4 47.9 71.9
 268 64.4 49.8 74.8





#12

Phenanthrene

Concen: 0.361 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

Instrument :

BNA_E

ClientSampleId :

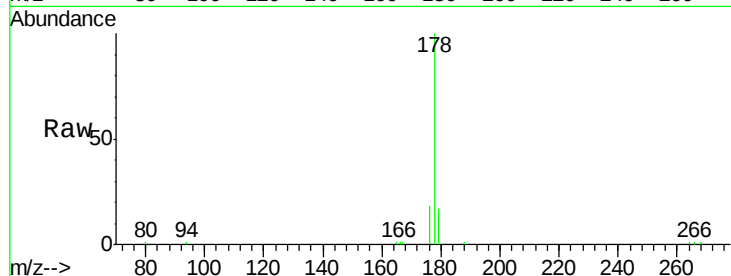
Tot Ion:178 Resp: 7489

Ion Ratio Lower Upper

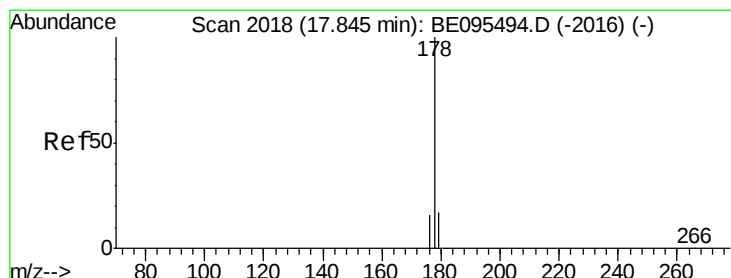
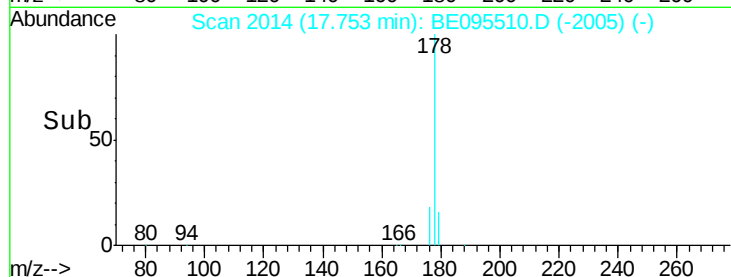
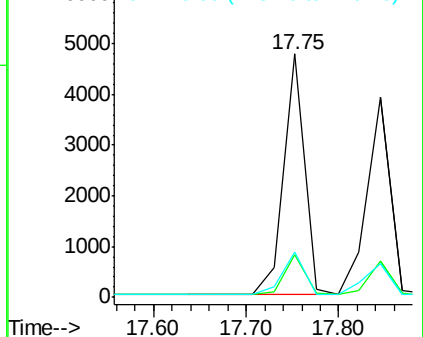
178 100

179 17.3 18.4 27.6#

176 18.4 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: 0.349 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

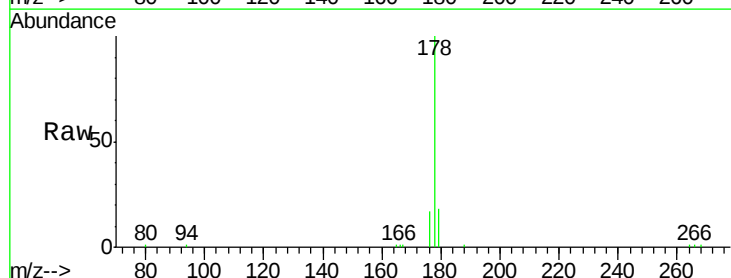
Tgt Ion:178 Resp: 6637

Ion Ratio Lower Upper

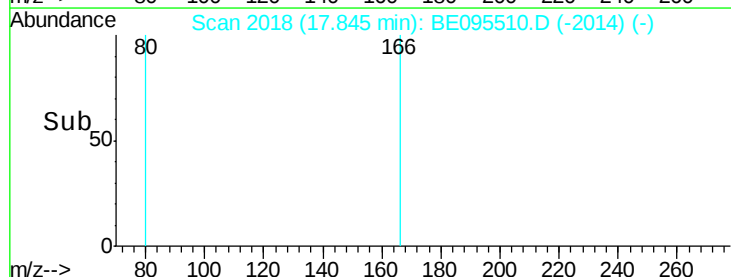
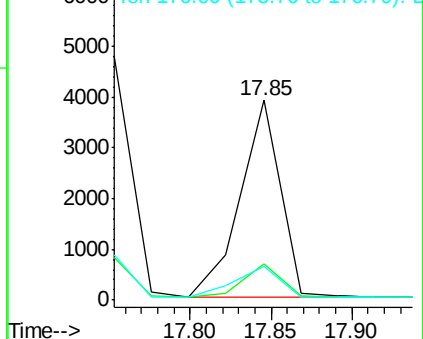
178 100

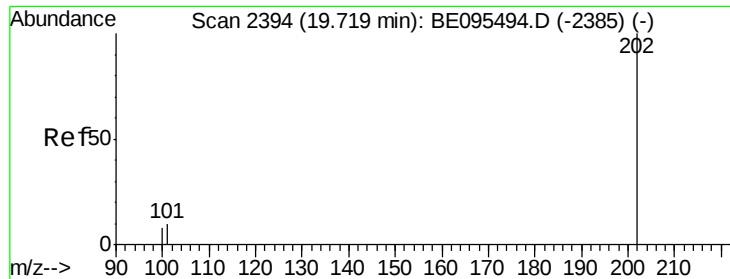
179 18.1 18.1 27.1#

176 16.9 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: 0.344 ng/ul

RT: 19.72 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

Instrument :

BNA_E

ClientSampleId :

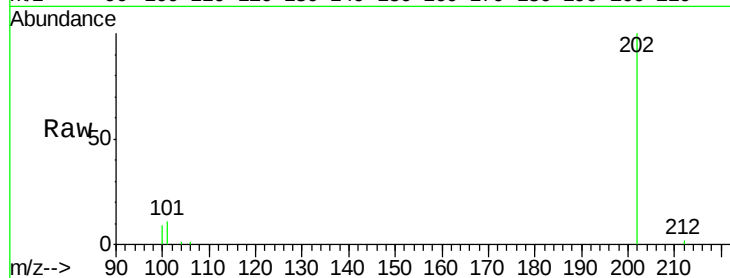
Tot Ion:202 Resp: 9228

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.3

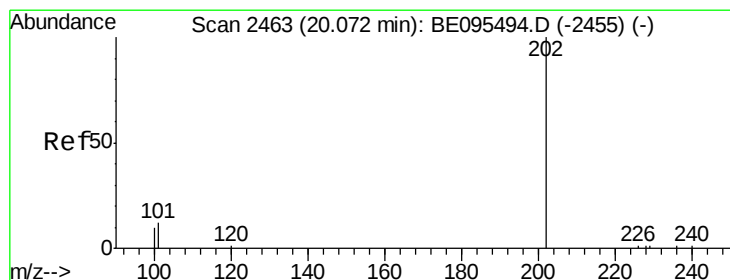
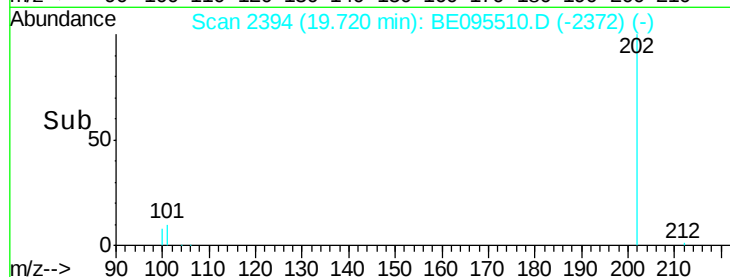
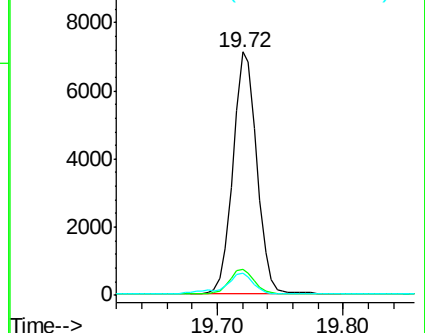
100 9.0 0.0 39.5



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: 0.471 ng/ul

RT: 20.07 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

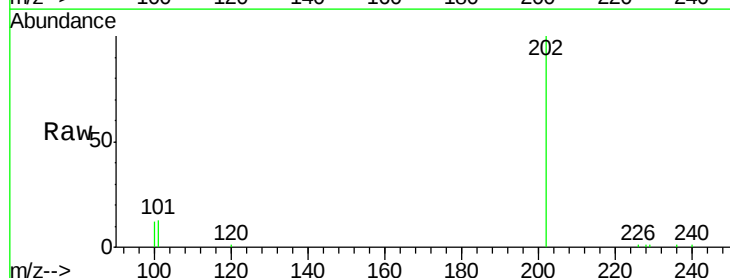
Tgt Ion:202 Resp: 10127

Ion Ratio Lower Upper

202 100

101 12.9 18.2 27.4#

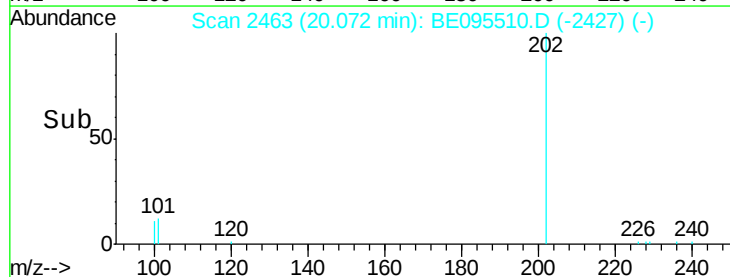
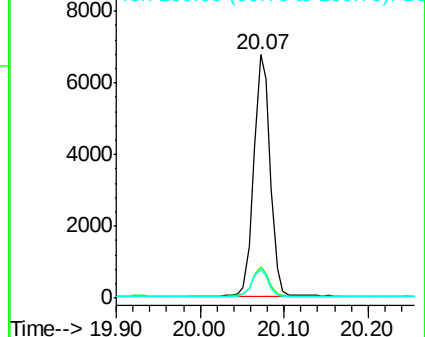
100 11.7 15.6 23.4#

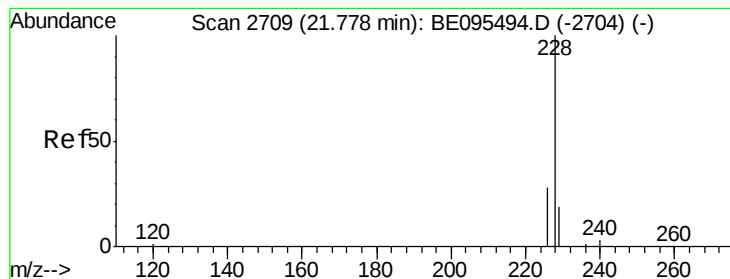


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.436 ng/ul

RT: 21.78 min Scan# 2709

Delta R.T. -0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

Instrument :

BNA_E

ClientSampleId :

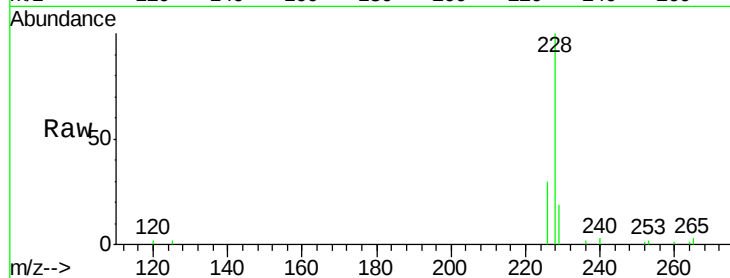
Tot Ion:228 Resp: 8741

Ion Ratio Lower Upper

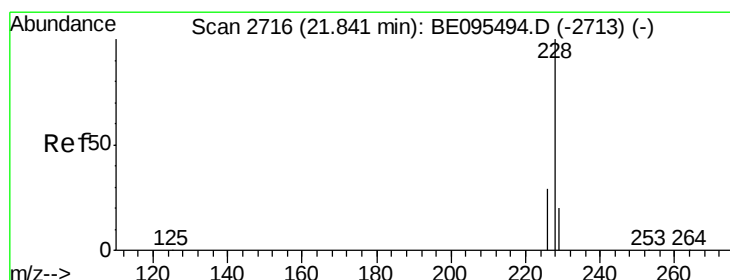
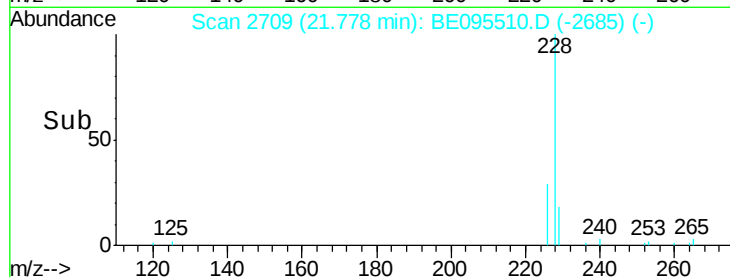
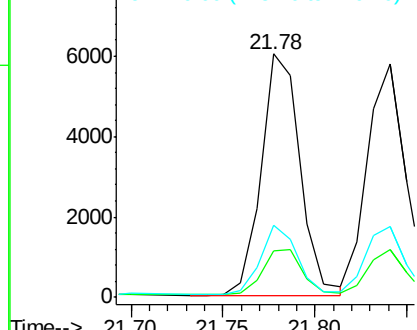
228 100

229 19.3 22.8 34.2#

226 29.6 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: 0.403 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. -0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

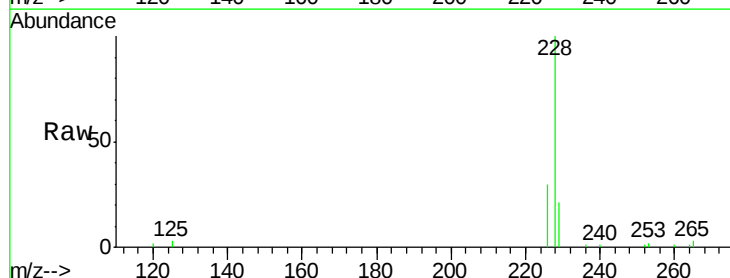
Tgt Ion:228 Resp: 8391

Ion Ratio Lower Upper

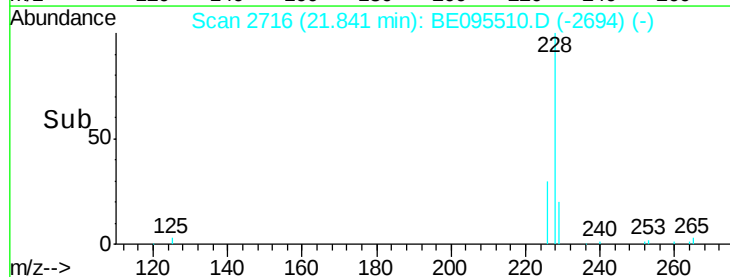
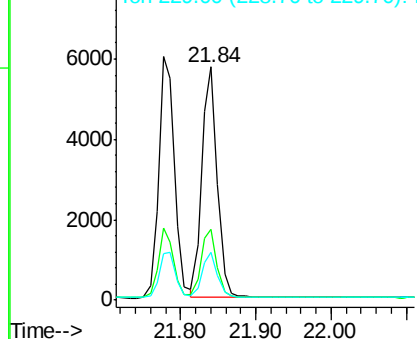
228 100

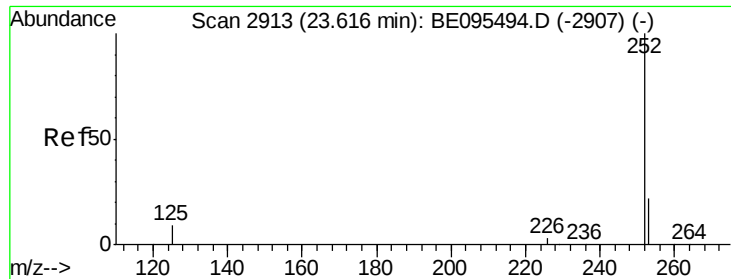
226 30.4 23.4 35.0

229 20.6 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: 0.390 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

Instrument :

BNA_E

ClientSampleId :

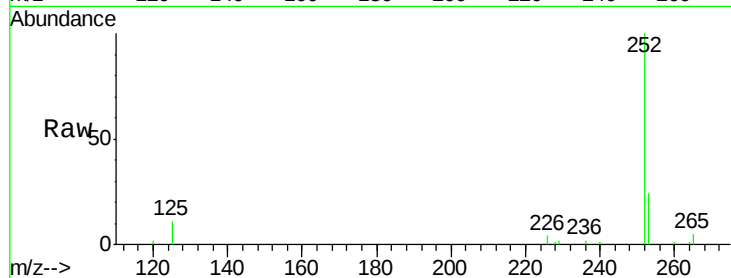
Tot Ion:252 Resp: 8326

Ion Ratio Lower Upper

252 100

253 23.6 0.0 64.2

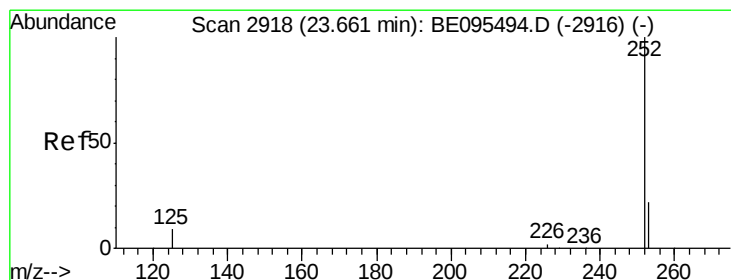
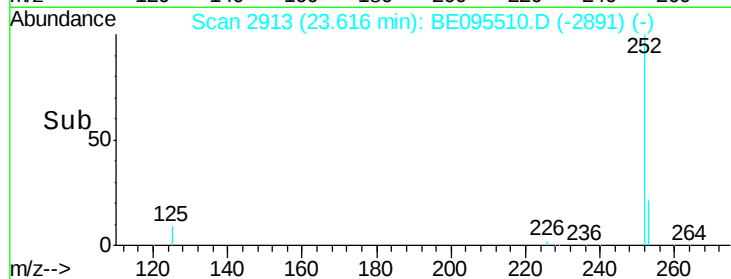
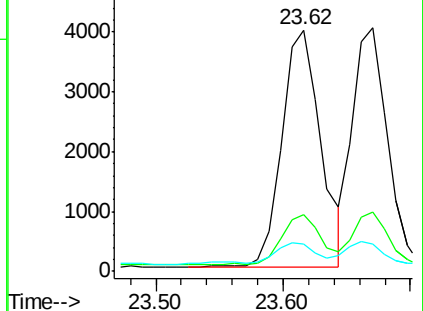
125 11.4 0.0 35.0



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: 0.387 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. 0.01 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

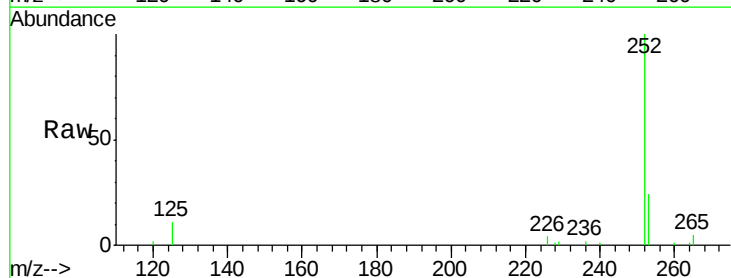
Tgt Ion:252 Resp: 7560

Ion Ratio Lower Upper

252 100

253 24.1 24.5 36.7#

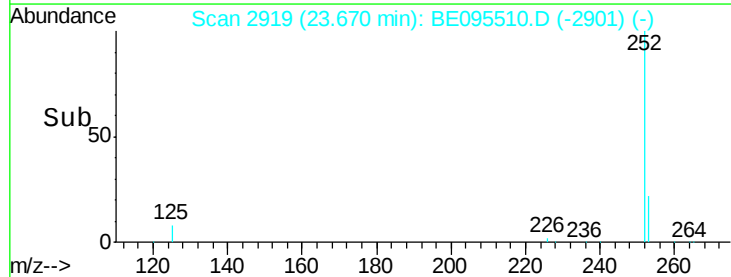
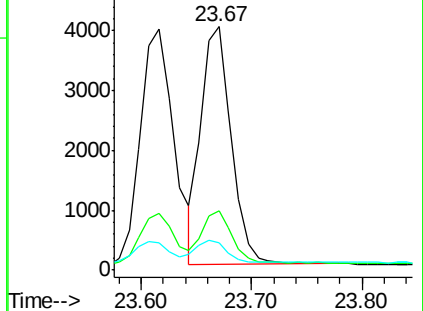
125 11.2 13.7 20.5#

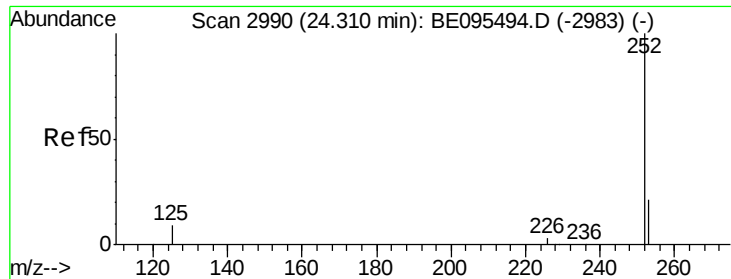


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.399 ng/u1

RT: 24.31 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

Instrument :

BNA_E

ClientSampleId :

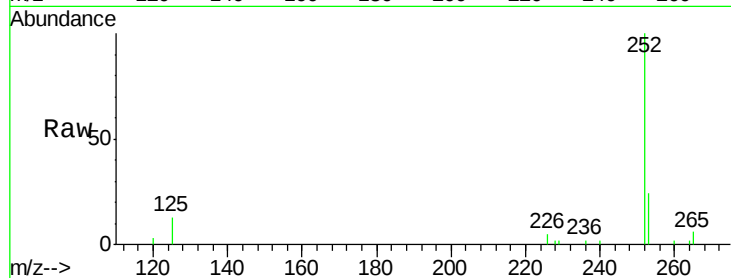
Tot Ion:252 Resp: 7616

Ion Ratio Lower Upper

252 100

253 24.1 28.5 42.7#

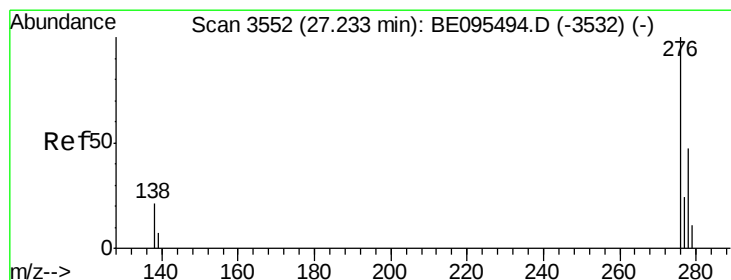
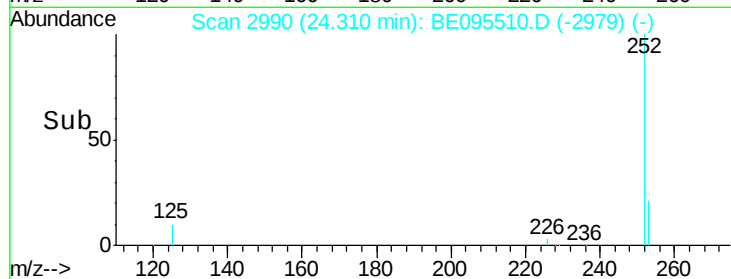
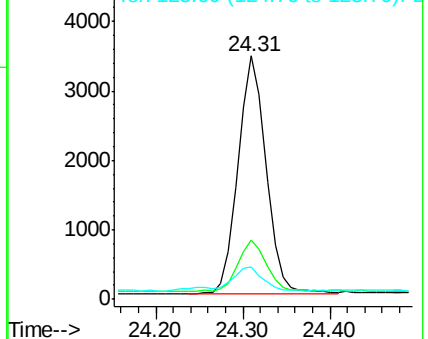
125 13.3 18.1 27.1#



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: 0.403 ng/u1

RT: 27.24 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

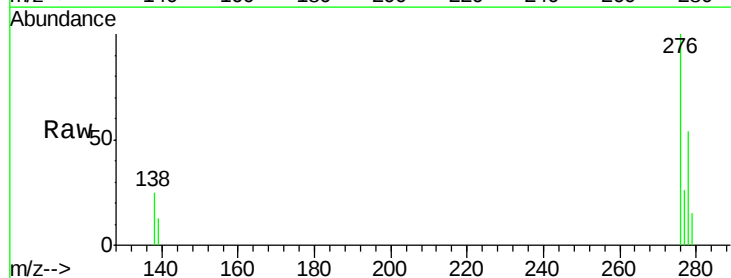
Tgt Ion:276 Resp: 8428

Ion Ratio Lower Upper

276 100

138 22.4 28.0 42.0#

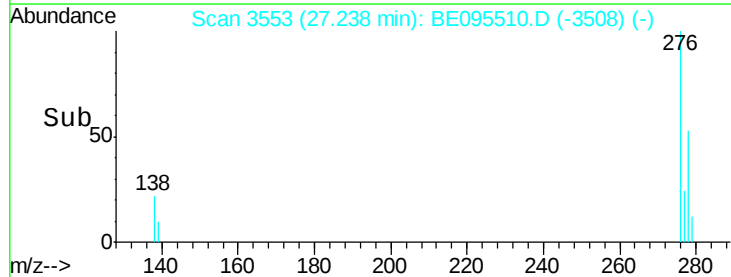
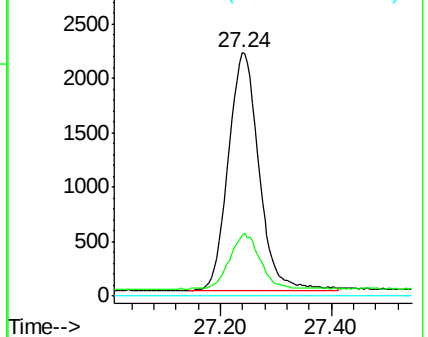
227 0.0 8.0 12.0#

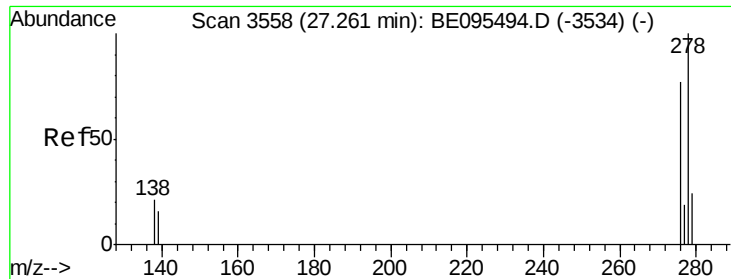


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.400 ng/ul

RT: 27.26 min Scan# 3557

Delta R.T. -0.00 min

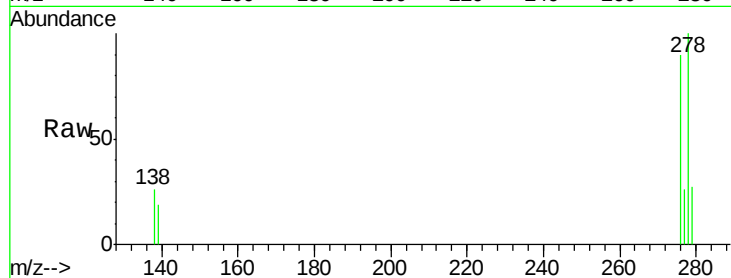
Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

Instrument :

BNA_E

ClientSampled :



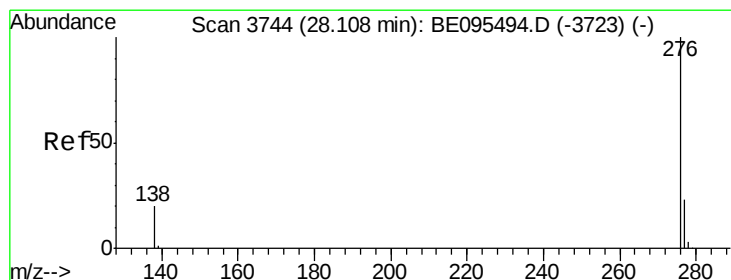
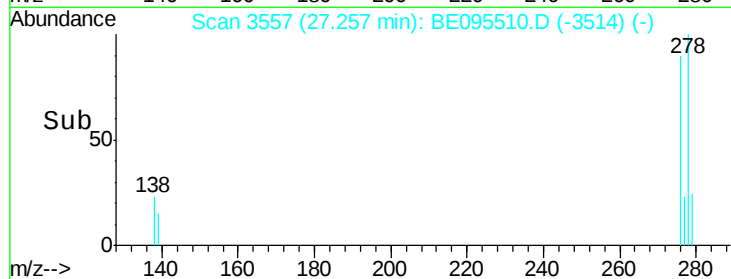
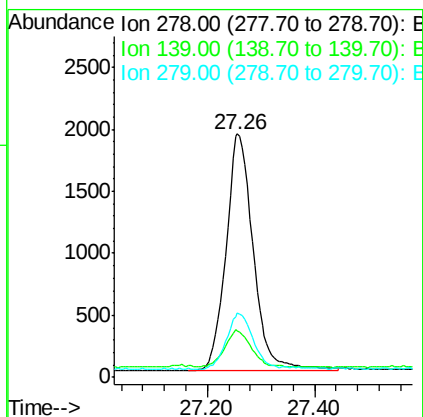
Tot Ion:278 Resp: 6834

Ion Ratio Lower Upper

278 100

139 18.8 17.4 26.0

279 26.6 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 0.408 ng/ul

RT: 28.11 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BE095510.D

Acq: 6 Feb 2018 2:44

Tgt Ion:276 Resp: 7222

Ion Ratio Lower Upper

276 100

138 22.7 21.8 32.8

277 24.7 20.5 30.7

