

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020818\
 Data File : BE095597.D
 Acq On : 9 Feb 2018 8:41
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.450

Quant Time: Feb 09 09:47:45 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 04:15:12 2018
 Response via : Initial Calibration

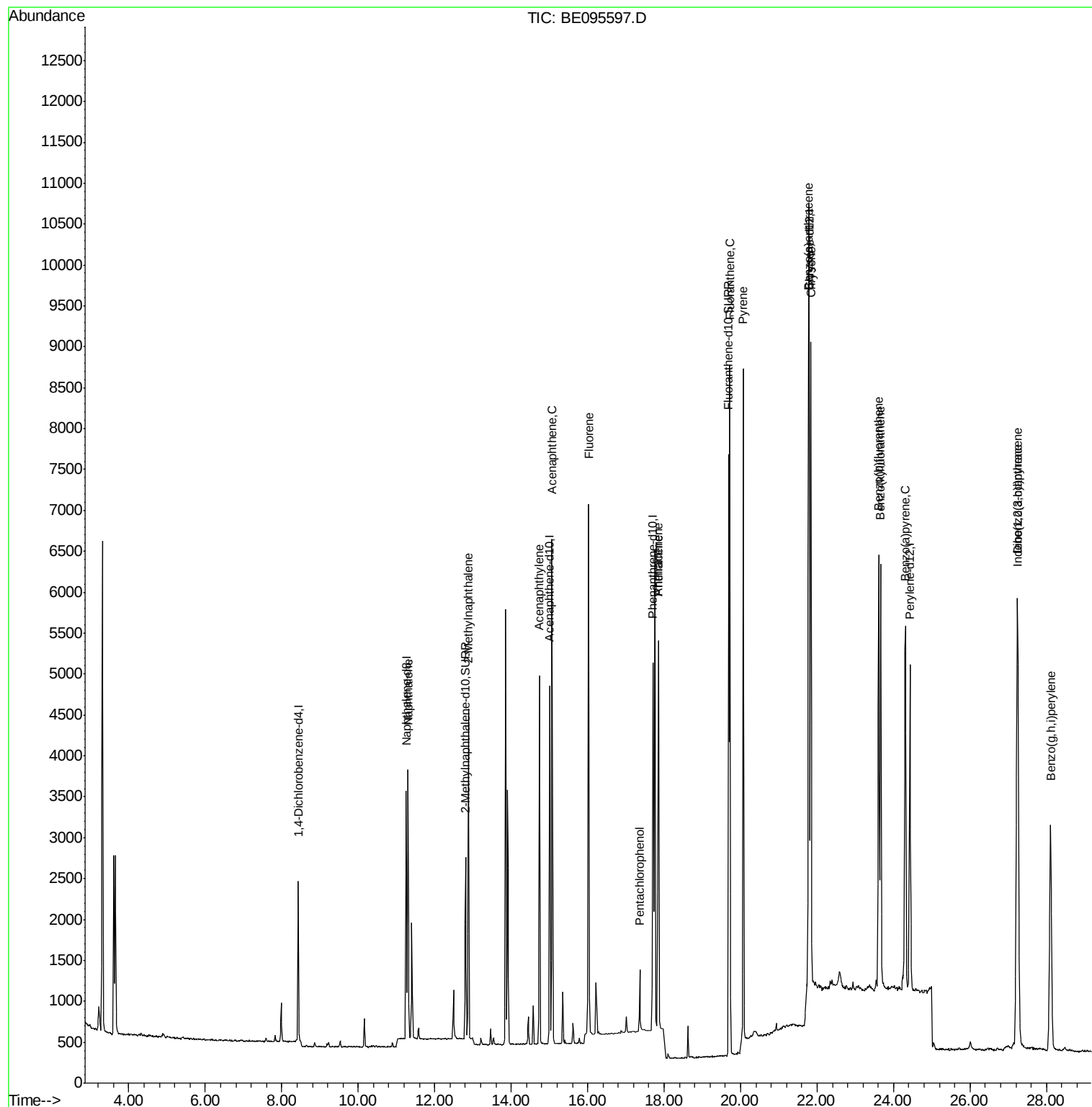
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1506	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	3985	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2478	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6300	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	6238	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	5984	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	2846	0.44	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	8238	0.34	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.30	128	4542	0.407	ng/ul#	90
5) 2-Methylnaphthalene	12.88	142	3248	0.436	ng/ul	99
7) Acenaphthylene	14.74	152	5097	0.427	ng/ul	97
8) Acenaphthene	15.07	153	3674	0.397	ng/ul	92
9) Fluorene	16.02	166	4510	0.473	ng/ul#	89
11) Pentachlorophenol	17.36	266	510	0.418	ng/ul	97
12) Phenanthrene	17.84	178	6666	0.315	ng/ul	94
13) Anthracene	17.84	178	6677	0.344	ng/ul	94
15) Fluoranthene	19.72	202	9143	0.333	ng/ul	83
17) Pyrene	20.07	202	10678	0.510	ng/ul#	79
18) Benzo(a)anthracene	21.78	228	8443	0.433	ng/ul#	85
19) Chrysene	21.84	228	8096	0.400	ng/ul	98
21) Benzo(b)fluoranthene	23.61	252	7803	0.370	ng/ul	86
22) Benzo(k)fluoranthene	23.66	252	7724	0.400	ng/ul#	89
23) Benzo(a)pyrene	24.31	252	7403	0.393	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	27.23	276	8406	0.407	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.25	278	6897	0.408	ng/ul	92
26) Benzo(g,h,i)perylene	28.10	276	7022	0.401	ng/ul#	93

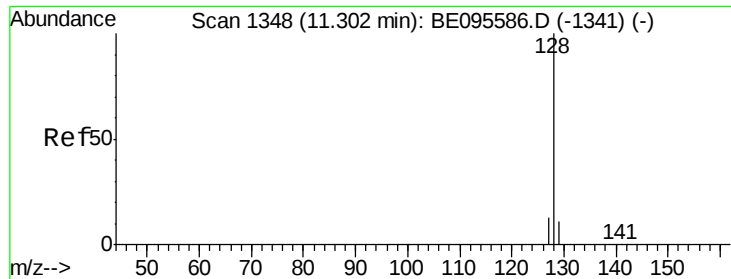
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.407 ng/ul

RT: 11.30 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

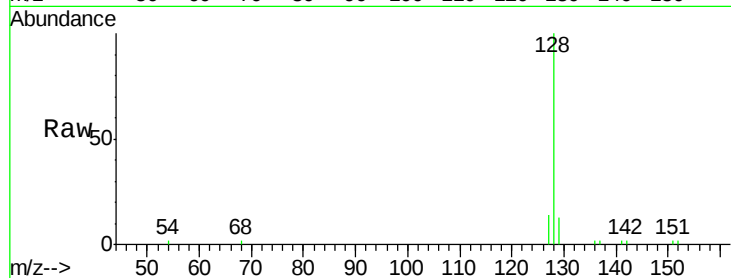
Tot Ion:128 Resp: 4542

Ion Ratio Lower Upper

128 100

129 12.5 11.3 16.9

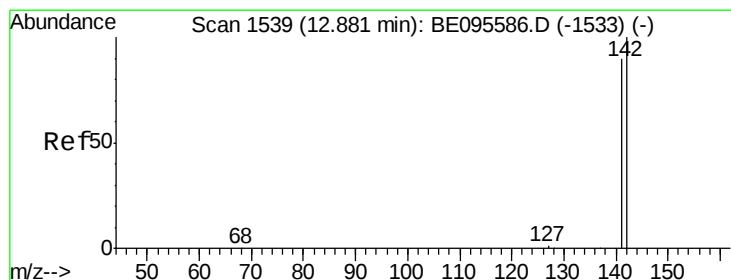
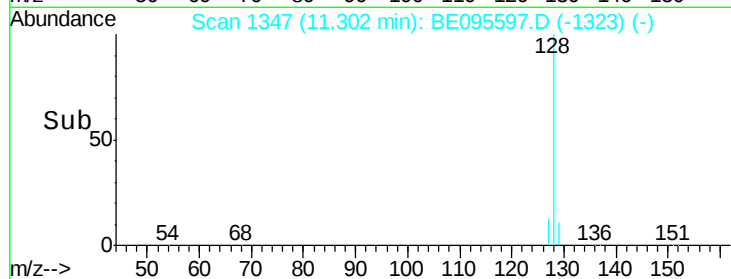
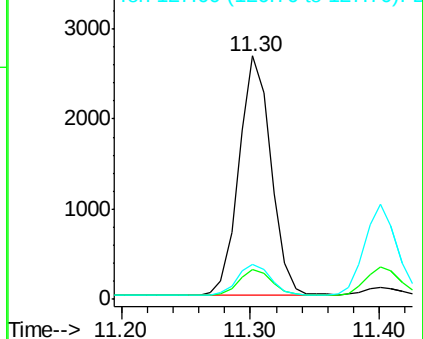
127 14.4 4.0 6.0#



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: 0.436 ng/ul

RT: 12.88 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE095597.D

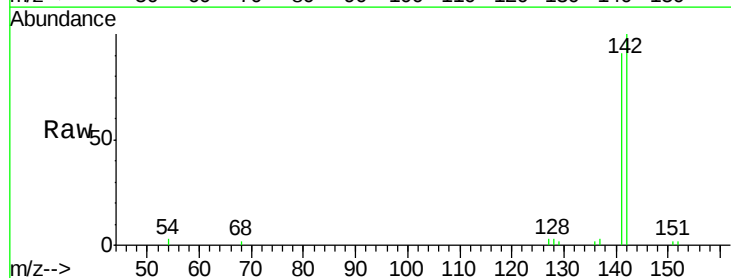
Acq: 9 Feb 2018 8:41

Tgt Ion:142 Resp: 3248

Ion Ratio Lower Upper

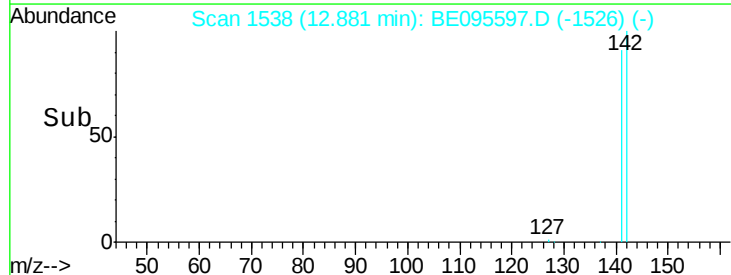
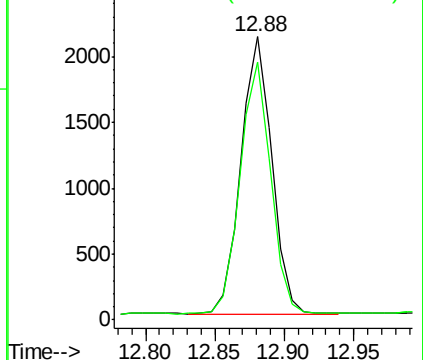
142 100

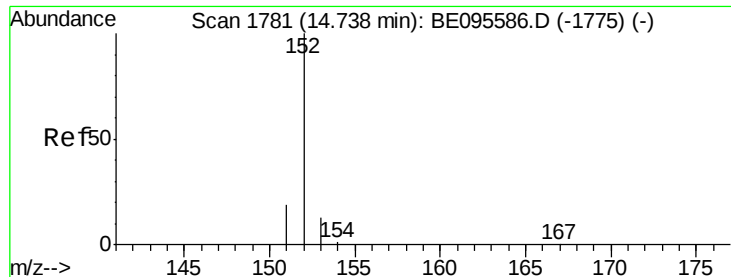
141 89.6 72.6 108.8



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: BE095597.D

Acq: 9 Feb 2018 8:41

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

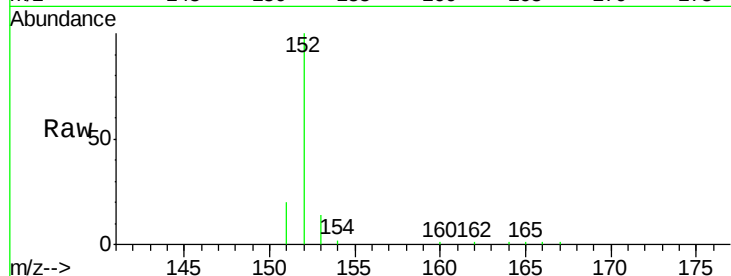
Tot Ion:152 Resp: 5097

Ion Ratio Lower Upper

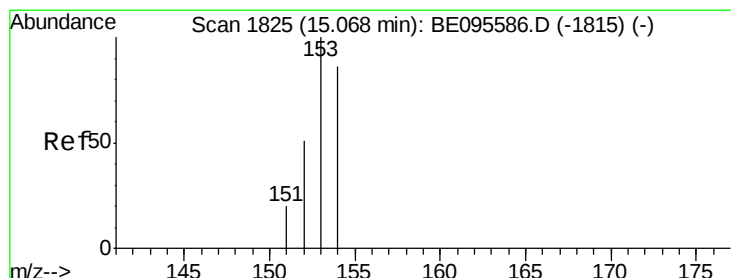
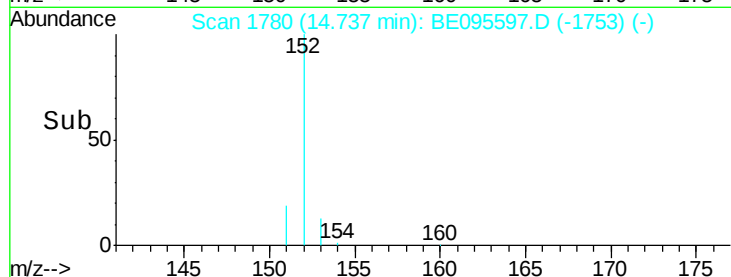
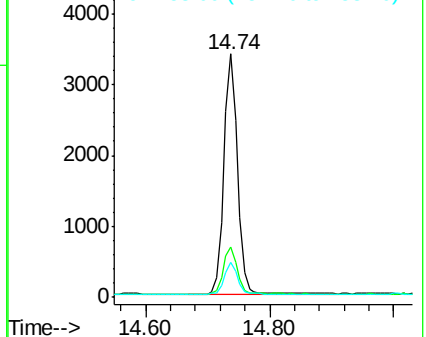
152 100

151 20.4 17.1 25.7

153 14.3 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: 0.397 ng/ul

RT: 15.07 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

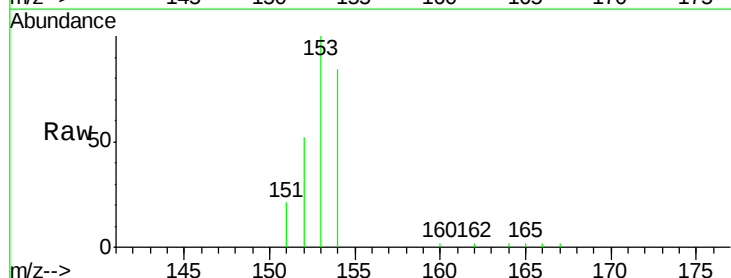
Tgt Ion:153 Resp: 3674

Ion Ratio Lower Upper

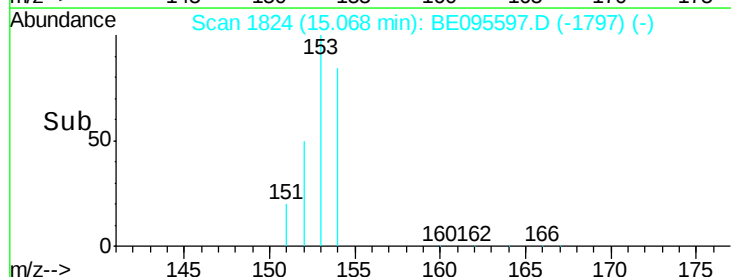
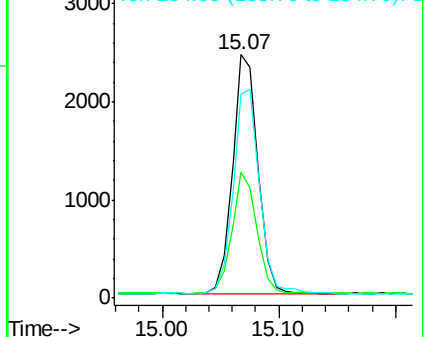
153 100

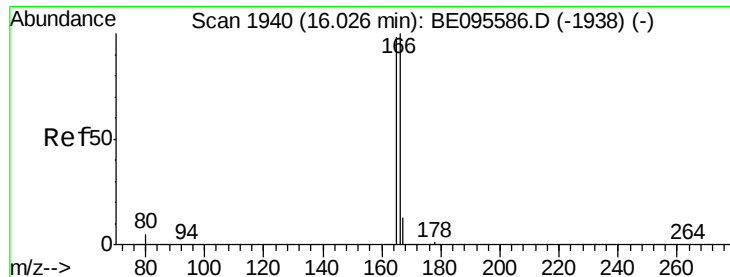
152 51.6 36.0 54.0

154 83.8 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: 0.473 ng/ul

RT: 16.02 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

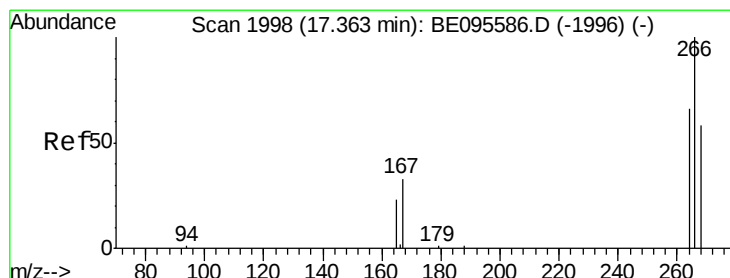
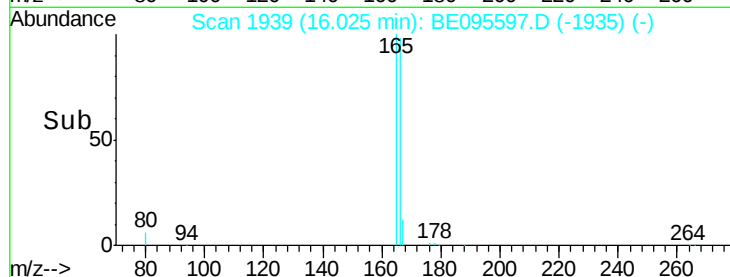
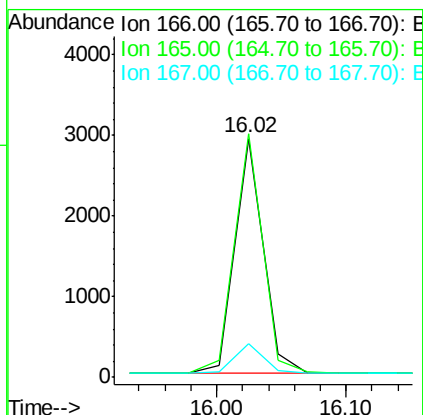
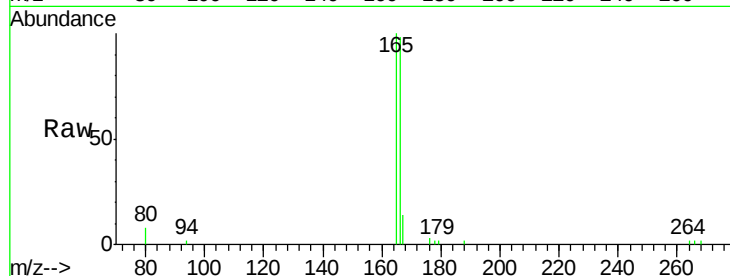
Tot Ion:166 Resp: 4510

Ion Ratio Lower Upper

166 100

165 102.0 73.4 110.2

167 13.9 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.418 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

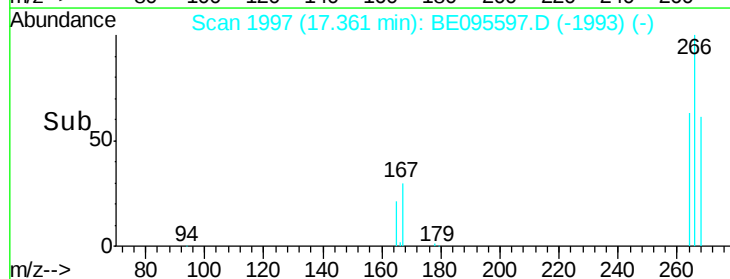
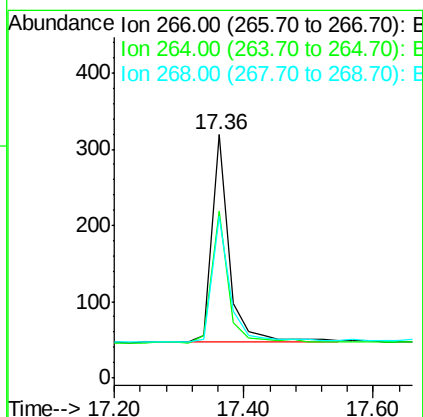
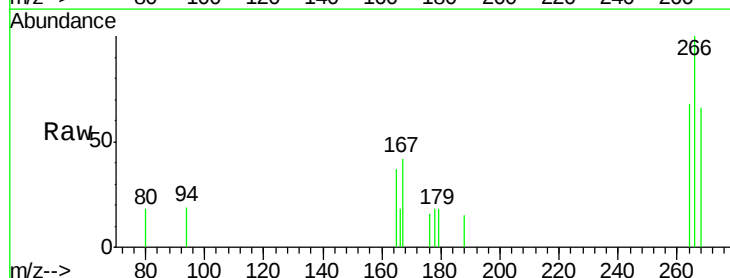
Tgt Ion:266 Resp: 510

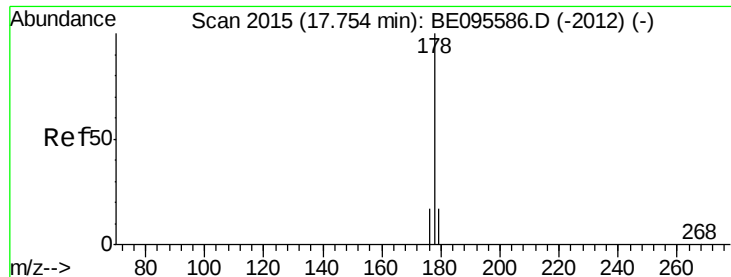
Ion Ratio Lower Upper

266 100

264 62.4 47.9 71.9

268 63.9 49.8 74.8





#12

Phenanthrene

Concen: 0.315 ng/ul

RT: 17.84 min Scan# 2018

Delta R.T. 0.09 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

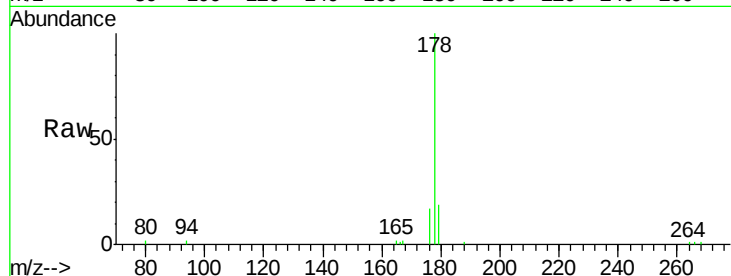
Tot Ion:178 Resp: 6666

Ion Ratio Lower Upper

178 100

179 18.5 18.4 27.6

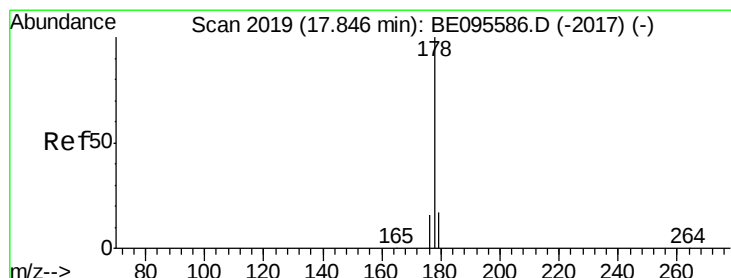
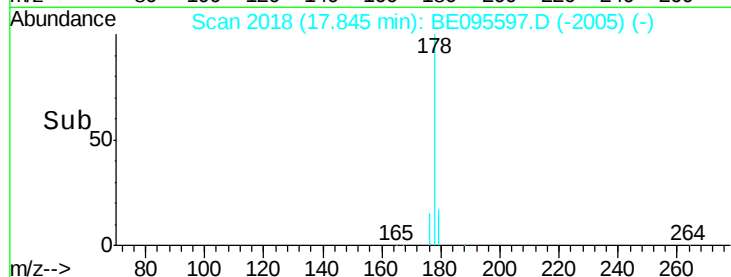
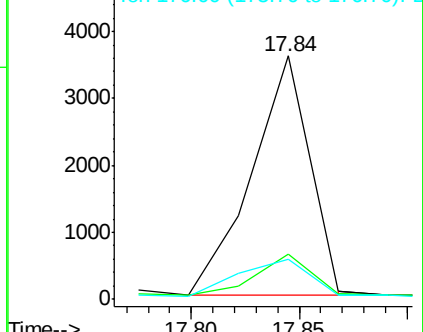
176 16.7 13.6 20.4



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: 0.344 ng/ul

RT: 17.84 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

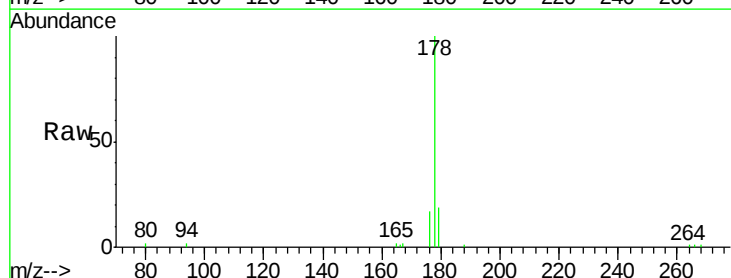
Tgt Ion:178 Resp: 6677

Ion Ratio Lower Upper

178 100

179 18.5 18.1 27.1

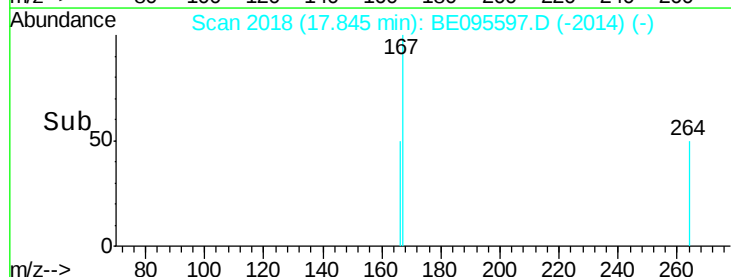
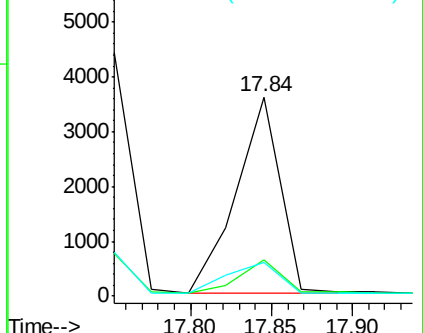
176 16.7 14.7 22.1

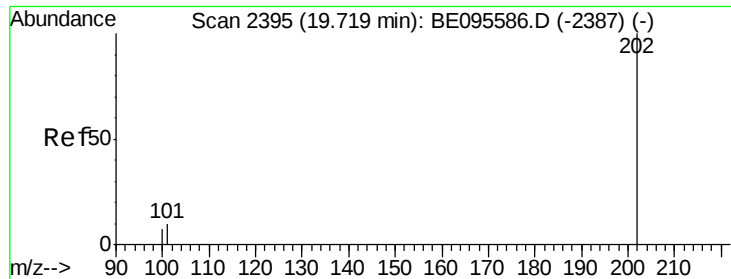


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.333 ng/ul

RT: 19.72 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

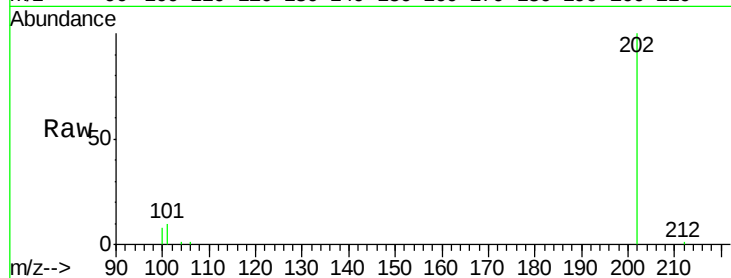
Tot Ion:202 Resp: 9143

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.3

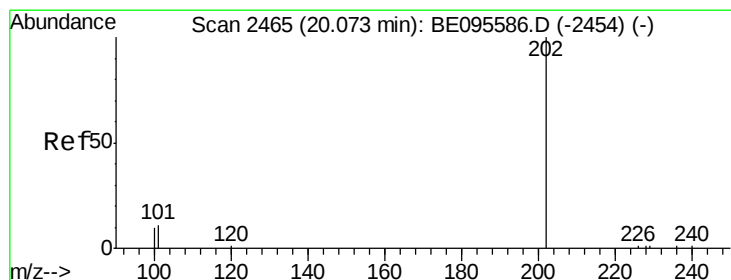
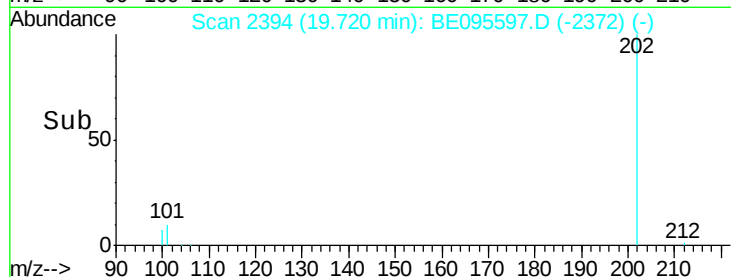
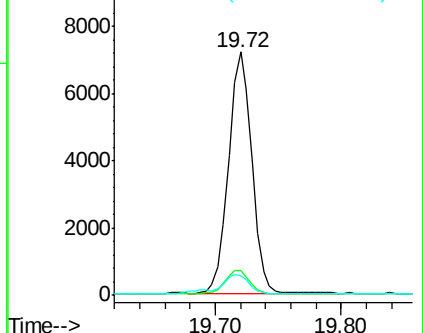
100 8.0 0.0 39.5



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: 0.510 ng/ul

RT: 20.07 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

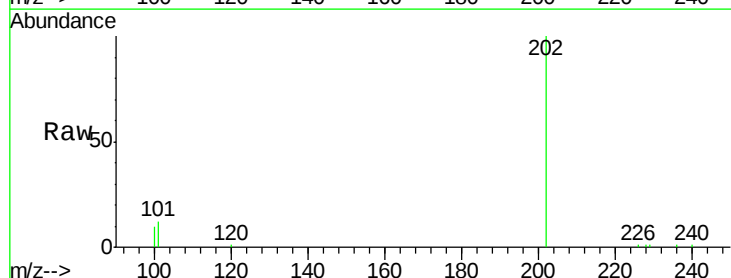
Tgt Ion:202 Resp: 10678

Ion Ratio Lower Upper

202 100

101 11.8 18.2 27.4#

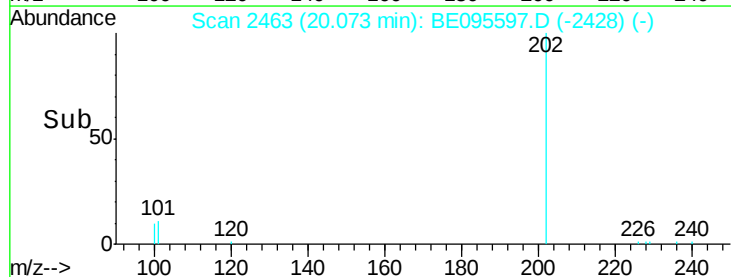
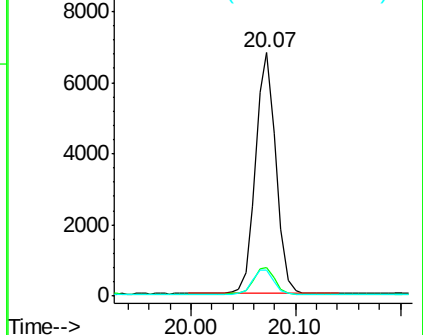
100 10.5 15.6 23.4#

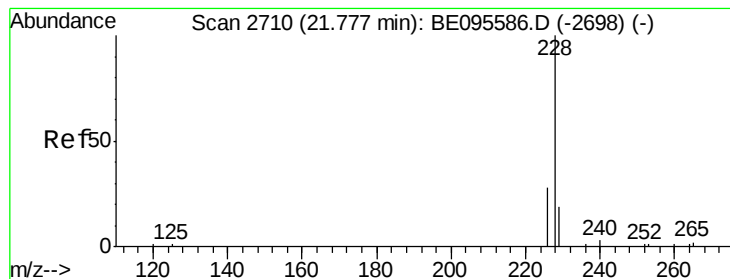


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.433 ng/ul

RT: 21.78 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

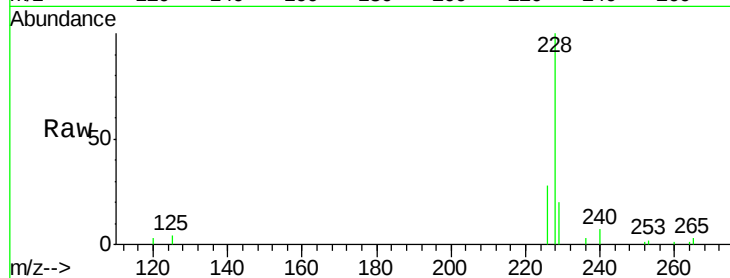
Tot Ion:228 Resp: 8443

Ion Ratio Lower Upper

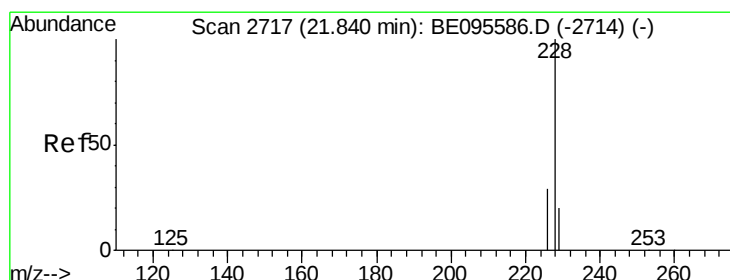
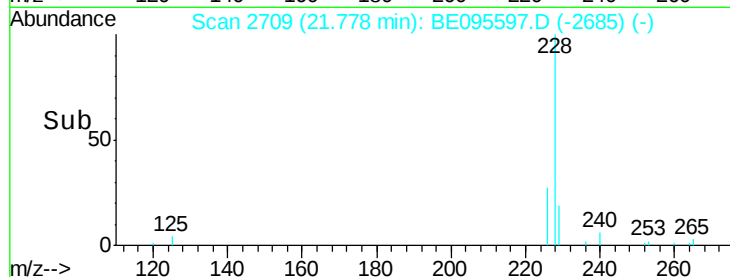
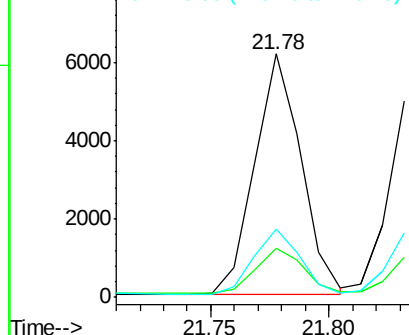
228 100

229 20.4 22.8 34.2#

226 28.2 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: 0.400 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

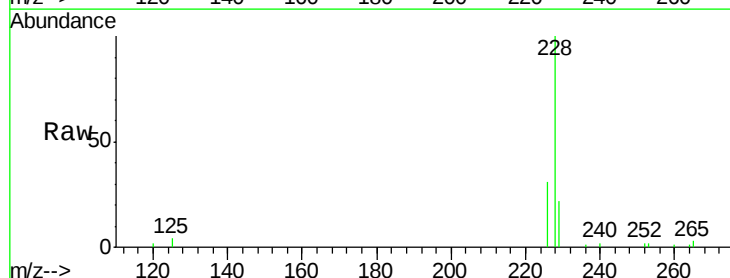
Tgt Ion:228 Resp: 8096

Ion Ratio Lower Upper

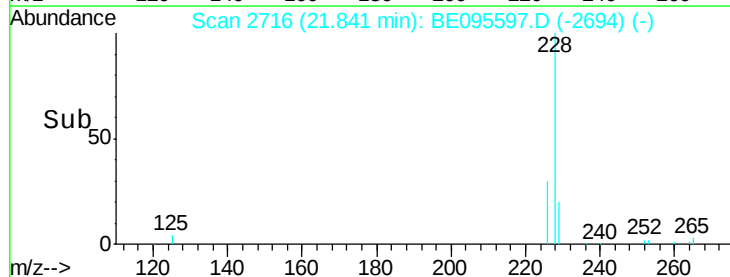
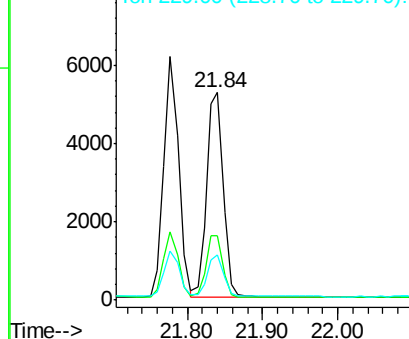
228 100

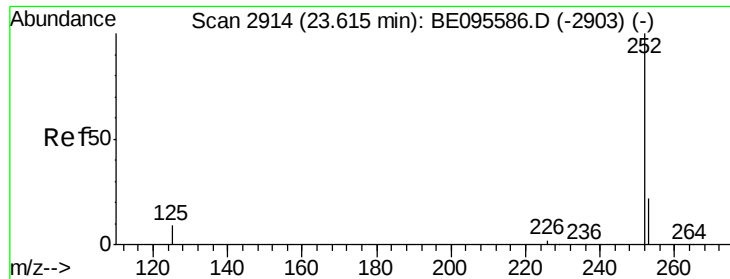
226 30.8 23.4 35.0

229 21.6 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: 0.370 ng/ul

RT: 23.61 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

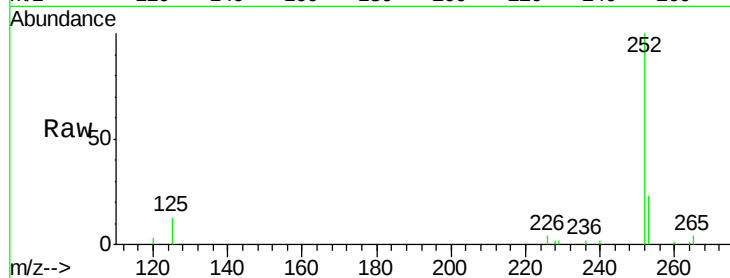
Tot Ion:252 Resp: 7803

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

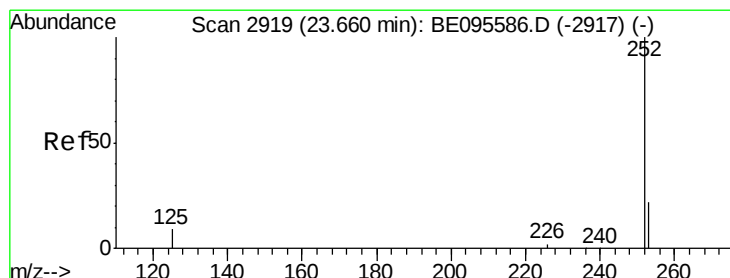
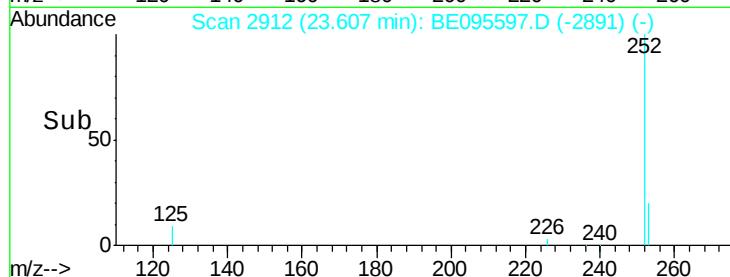
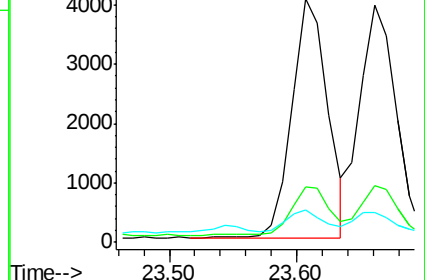
125 13.2 0.0 35.0



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: 0.400 ng/ul

RT: 23.66 min Scan# 2918

Delta R.T. 0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

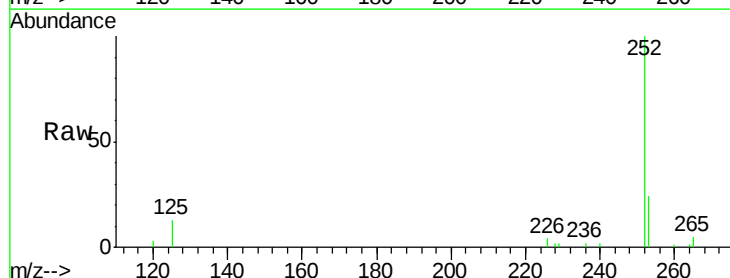
Tgt Ion:252 Resp: 7724

Ion Ratio Lower Upper

252 100

253 24.0 24.5 36.7#

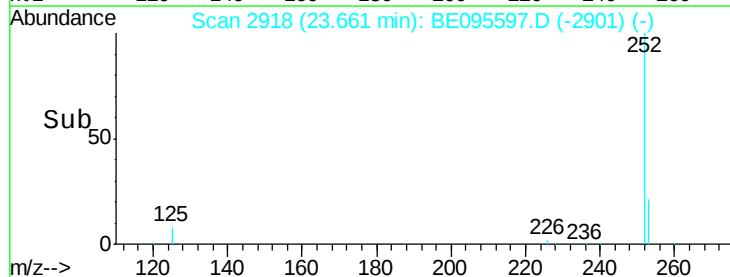
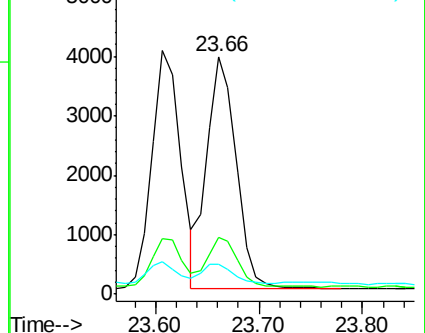
125 12.7 13.7 20.5#

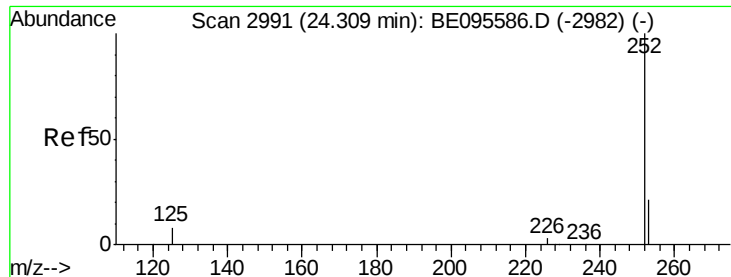


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.393 ng/ul

RT: 24.31 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

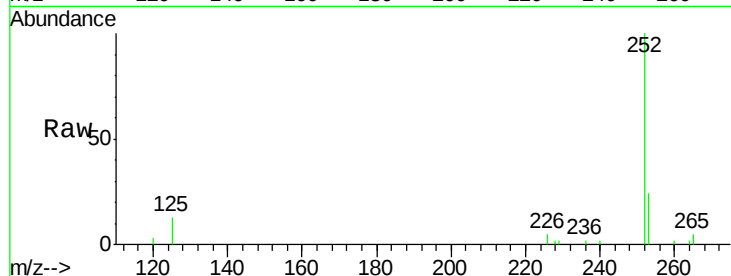
Tot Ion:252 Resp: 7403

Ion Ratio Lower Upper

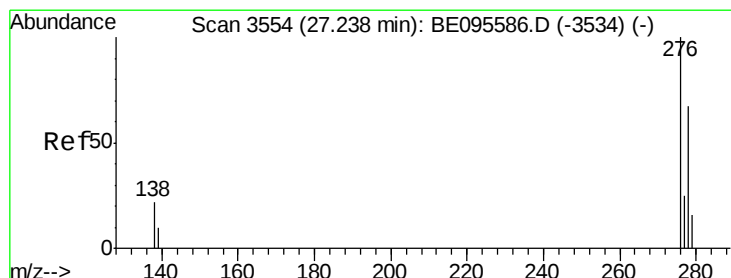
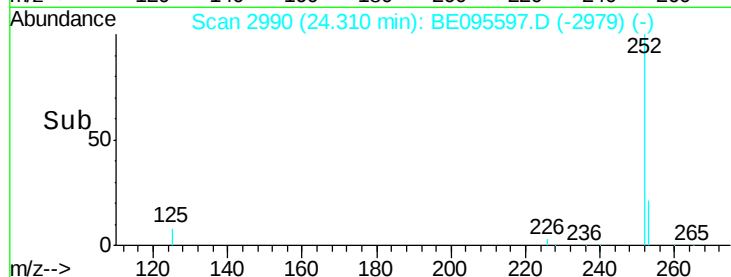
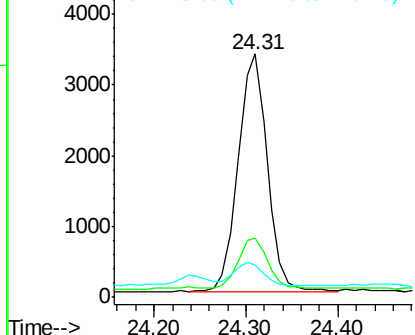
252 100

253 24.4 28.5 42.7#

125 13.4 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: 0.407 ng/ul

RT: 27.23 min Scan# 3551

Delta R.T. -0.01 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

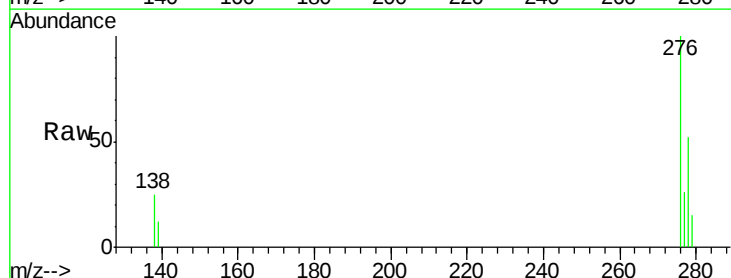
Tgt Ion:276 Resp: 8406

Ion Ratio Lower Upper

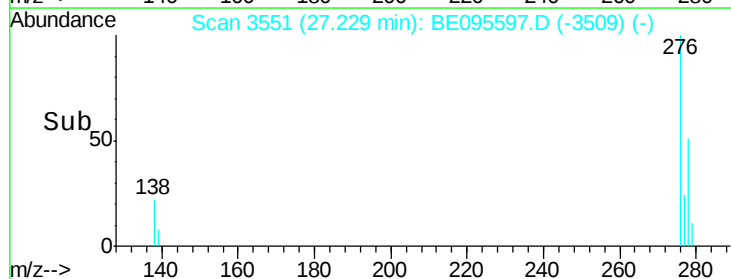
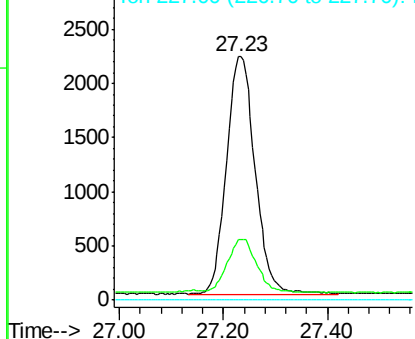
276 100

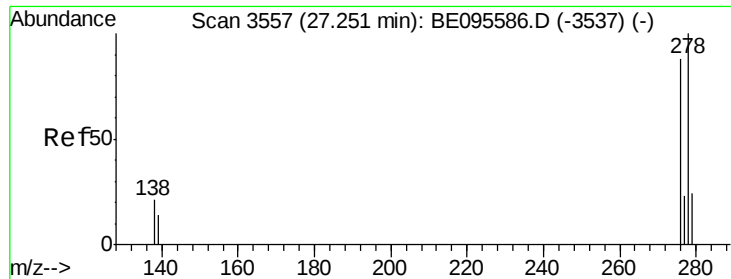
138 22.1 28.0 42.0#

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: 0.408 ng/ul

RT: 27.25 min Scan# 3556

Delta R.T. 0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

Instrument :

BNA_E

ClientSampleId :

SSTD0.450

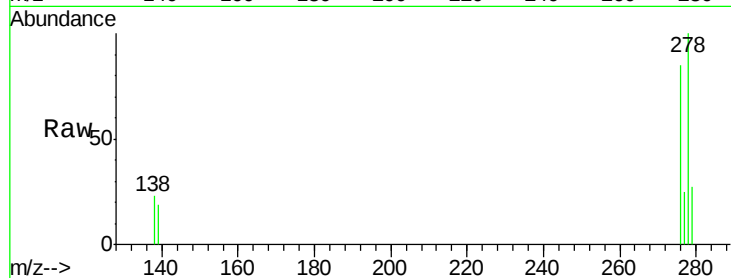
Tot Ion:278 Resp: 6897

Ion Ratio Lower Upper

278 100

139 18.9 17.4 26.0

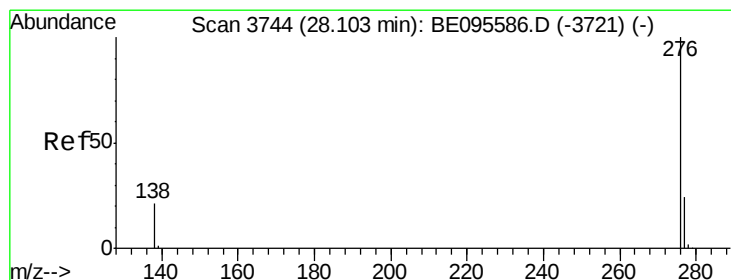
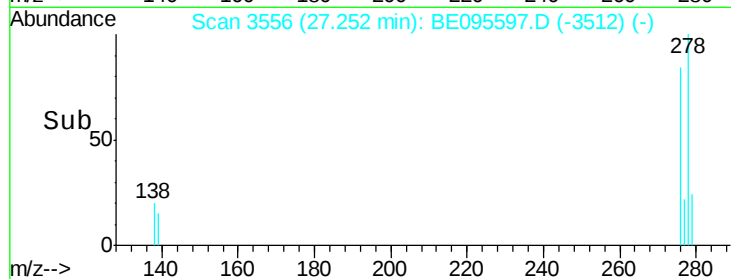
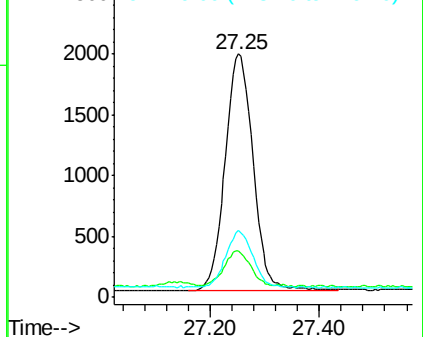
279 27.5 25.9 38.9



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: 0.401 ng/ul

RT: 28.10 min Scan# 3743

Delta R.T. 0.00 min

Lab File: BE095597.D

Acq: 9 Feb 2018 8:41

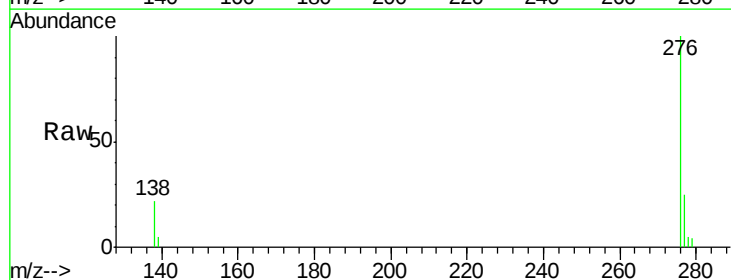
Tgt Ion:276 Resp: 7022

Ion Ratio Lower Upper

276 100

138 21.5 21.8 32.8#

277 24.6 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

