

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_E\DATA\BE020518\
 Data File : BE095529.D
 Acq On : 6 Feb 2018 14:16
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.446

Quant Time: Feb 06 15:02:51 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 04:22:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1601	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	4306	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2555	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6766	0.40	ng/ul	0.00
16) Chrysene-d12	21.79	240	6530	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	6219	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	2978	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	8623	0.33	ng/ul	0.00

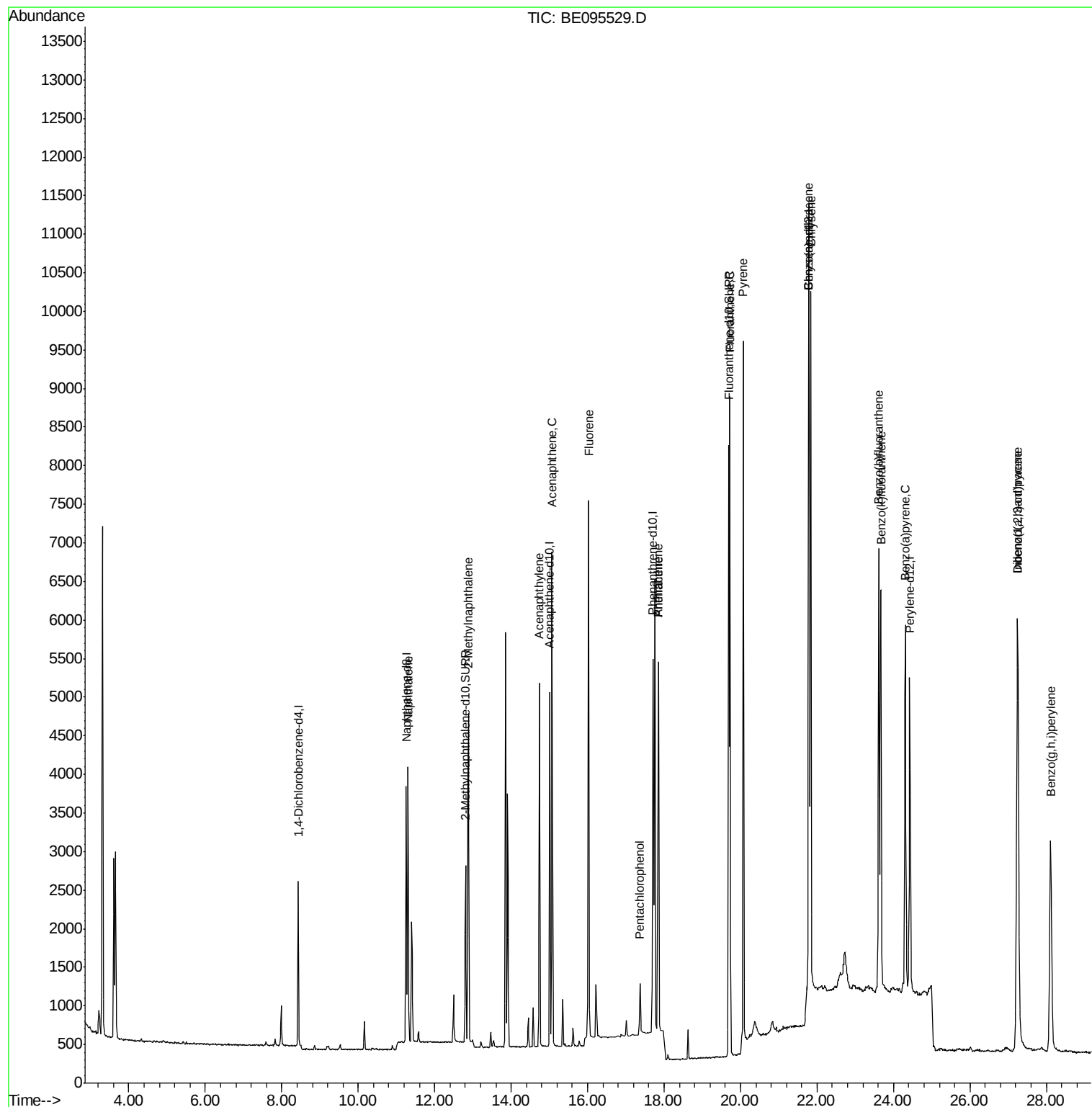
Target Compounds				Qvalue		
3) Naphthalene	11.30	128	4866	0.404	ng/ul#	88
5) 2-Methylnaphthalene	12.88	142	3393	0.421	ng/ul	100
7) Acenaphthylene	14.74	152	5269	0.428	ng/ul	98
8) Acenaphthene	15.07	153	3834	0.402	ng/ul	94
9) Fluorene	16.03	166	4792	0.487	ng/ul#	92
11) Pentachlorophenol	17.36	266	494	0.377	ng/ul	97
12) Phenanthrene	17.85	178	6949	0.305	ng/ul	94
13) Anthracene	17.85	178	6964	0.334	ng/ul	94
15) Fluoranthene	19.72	202	9787	0.332	ng/ul	85
17) Pyrene	20.07	202	10387	0.474	ng/ul#	80
18) Benzo(a)anthracene	21.78	228	8971	0.439	ng/ul#	84
19) Chrysene	21.84	228	8531	0.402	ng/ul	96
21) Benzo(b)fluoranthene	23.62	252	8546	0.390	ng/ul	86
22) Benzo(k)fluoranthene	23.67	252	7769	0.387	ng/ul#	89
23) Benzo(a)pyrene	24.31	252	7803	0.398	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	27.24	276	8554	0.398	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.26	278	6967	0.396	ng/ul#	91
26) Benzo(g,h,i)perylene	28.11	276	7288	0.401	ng/ul	95

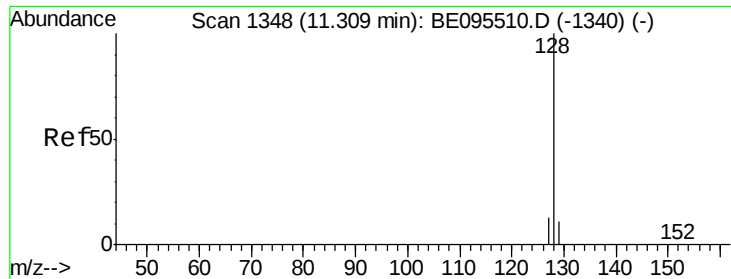
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.404 ng/ul

RT: 11.30 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

Instrument :

BNA_E

ClientSampleId :

SSTD0.446

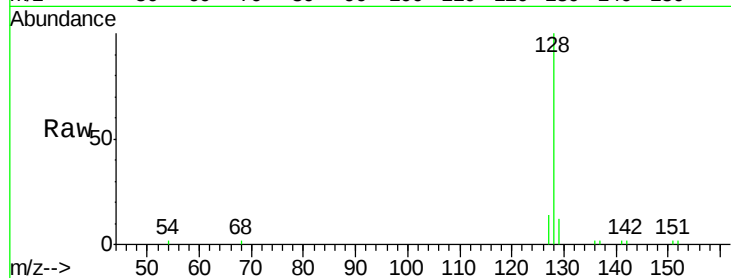
Tgt Ion:128 Resp: 4866

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

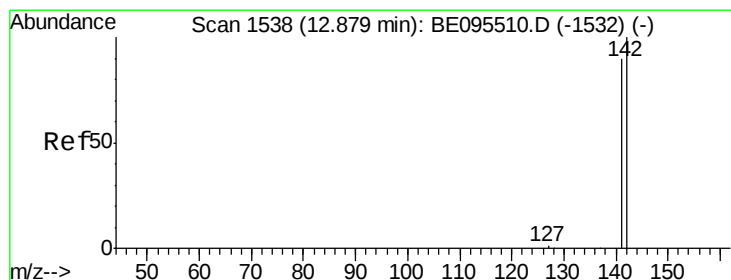
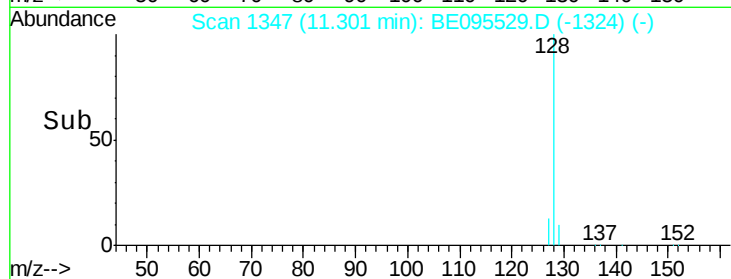
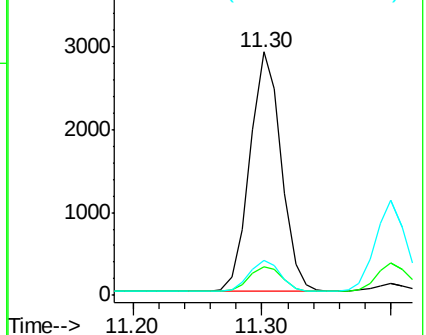
127 14.3 4.0 6.0#



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: 0.421 ng/ul

RT: 12.88 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BE095529.D

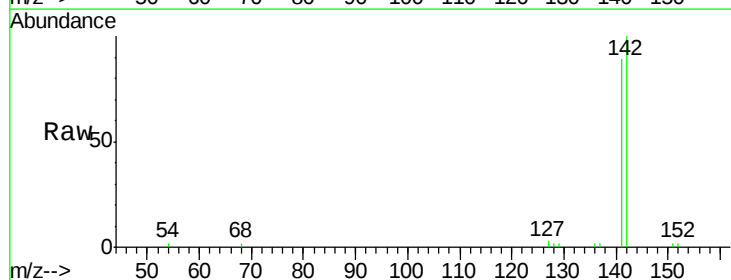
Acq: 6 Feb 2018 14:16

Tgt Ion:142 Resp: 3393

Ion Ratio Lower Upper

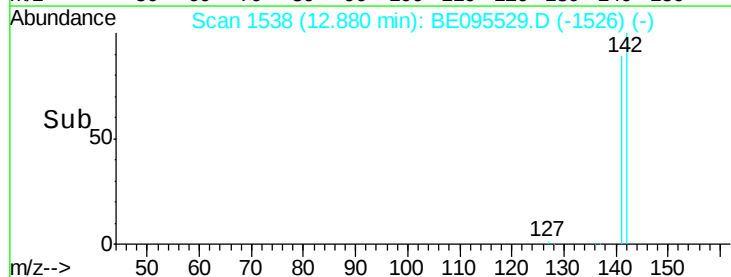
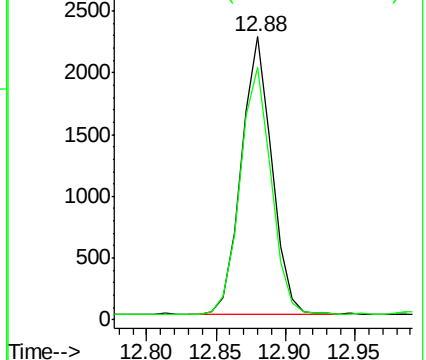
142 100

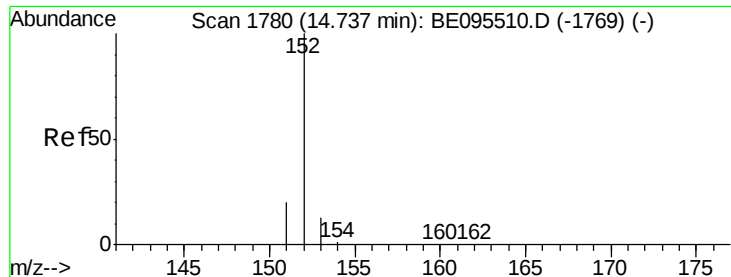
141 90.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.428 ng/ul

RT: 14.74 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

Instrument :

BNA_E

ClientSampleId :

SSTD0.446

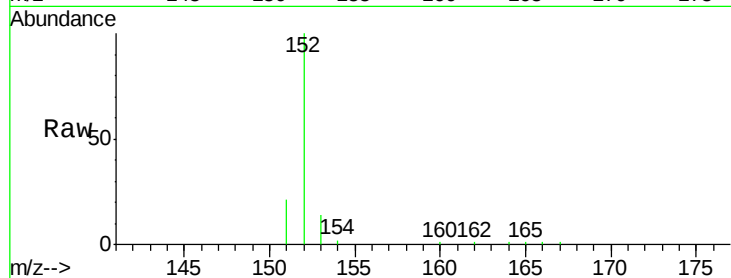
Tgt Ion:152 Resp: 5269

Ion Ratio Lower Upper

152 100

151 21.2 17.1 25.7

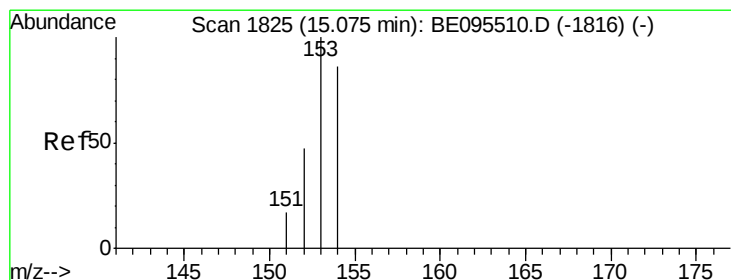
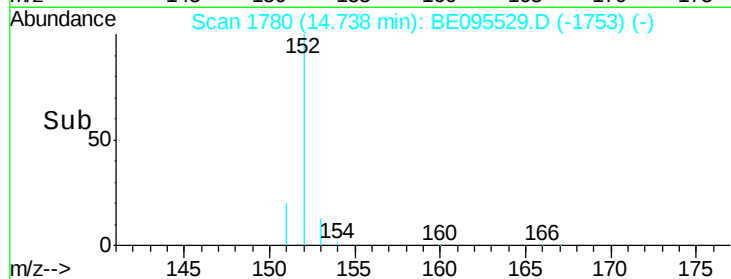
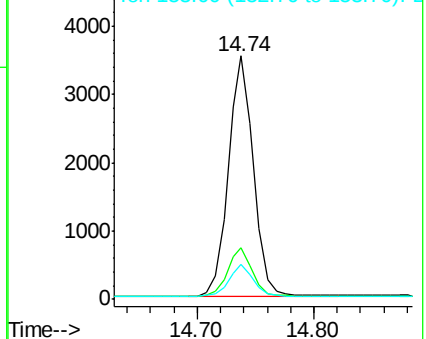
153 14.3 12.8 19.2



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: 0.402 ng/ul

RT: 15.07 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

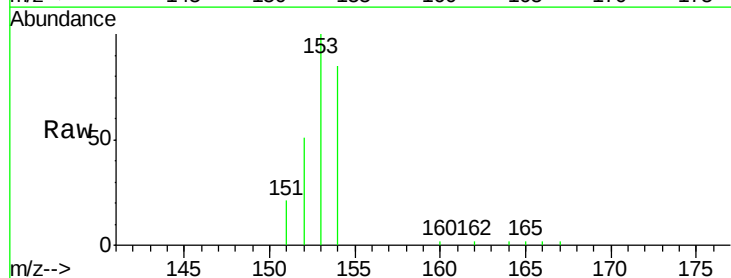
Tgt Ion:153 Resp: 3834

Ion Ratio Lower Upper

153 100

152 51.3 36.0 54.0

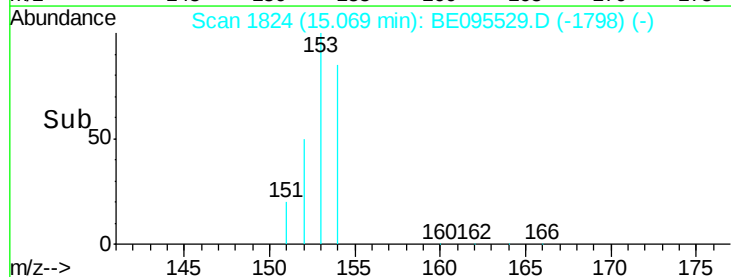
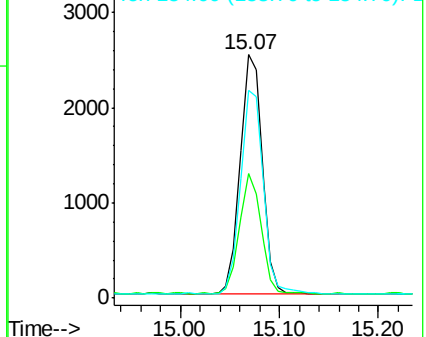
154 85.4 72.0 108.0

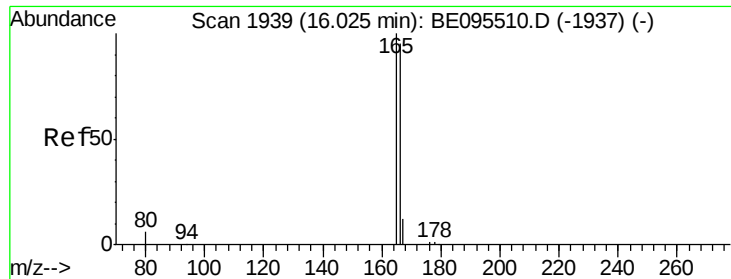


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.487 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

Instrument :

BNA_E

ClientSampleId :

SSTD0.446

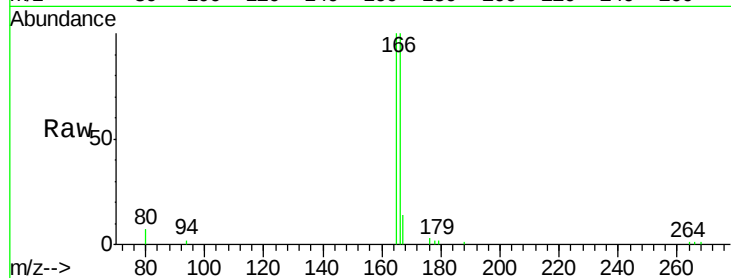
Tgt Ion:166 Resp: 4792

Ion Ratio Lower Upper

166 100

165 99.6 73.4 110.2

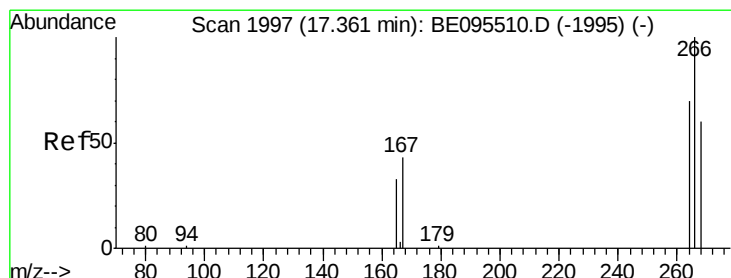
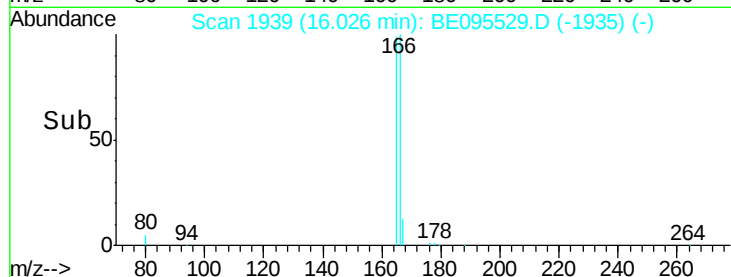
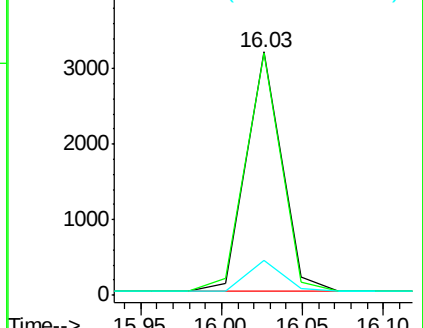
167 14.1 14.6 22.0#



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: 0.377 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

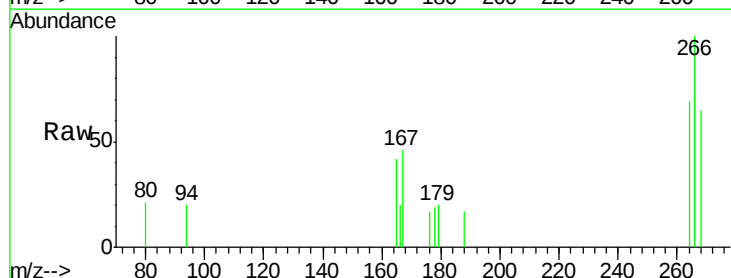
Tgt Ion:266 Resp: 494

Ion Ratio Lower Upper

266 100

264 63.0 47.9 71.9

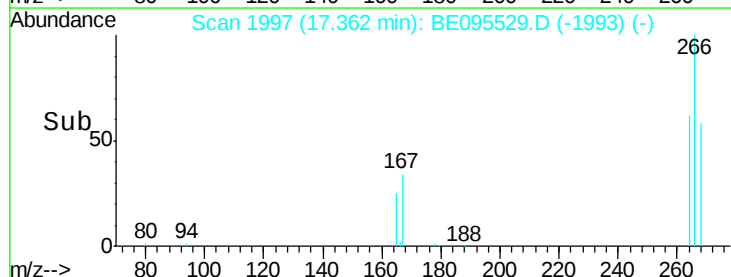
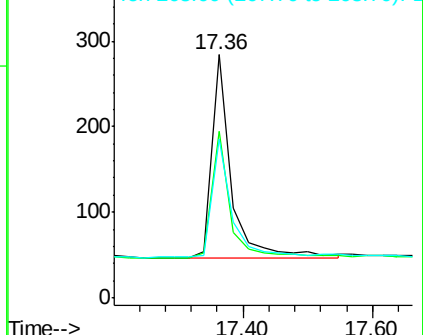
268 60.1 49.8 74.8

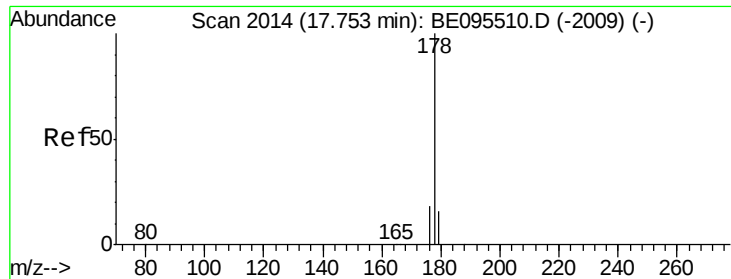


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.305 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.09 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

Instrument :

BNA_E

ClientSampleId :

SSTD0.446

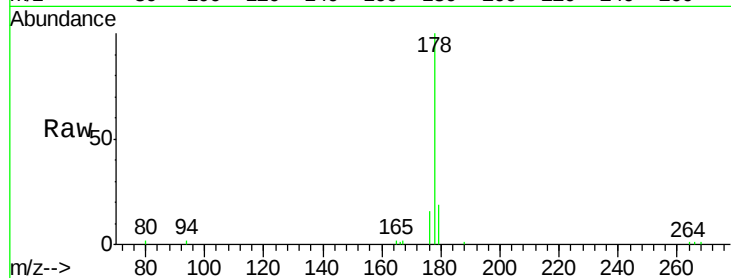
Tgt Ion:178 Resp: 6949

Ion Ratio Lower Upper

178 100

179 18.7 18.4 27.6

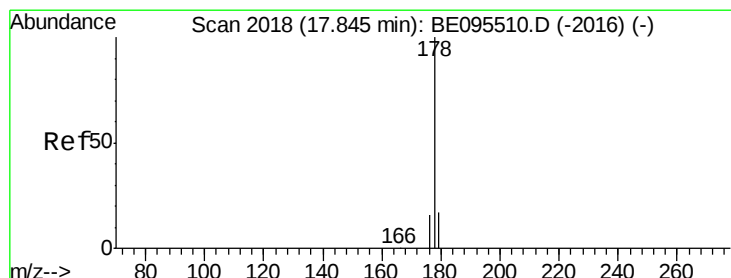
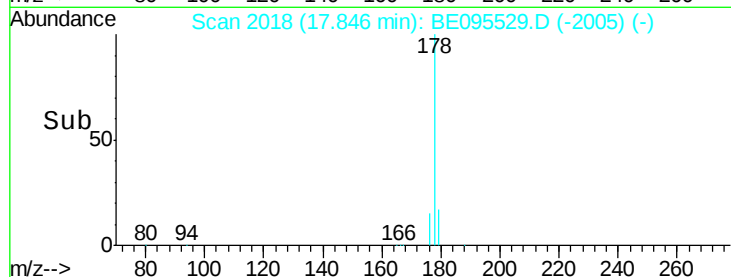
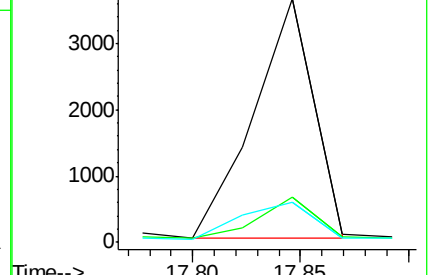
176 16.5 13.6 20.4



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: 0.334 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

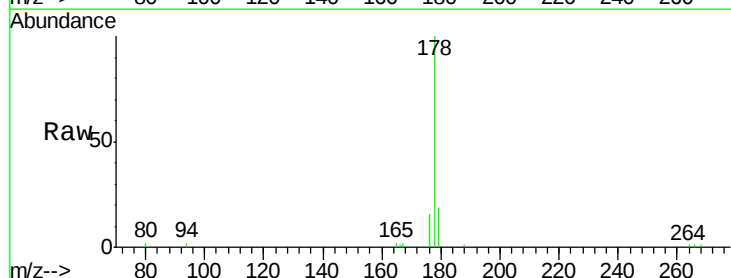
Tgt Ion:178 Resp: 6964

Ion Ratio Lower Upper

178 100

179 18.7 18.1 27.1

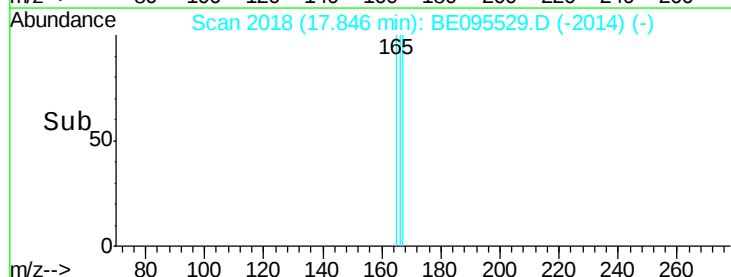
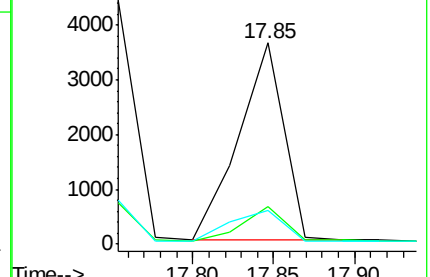
176 16.5 14.7 22.1

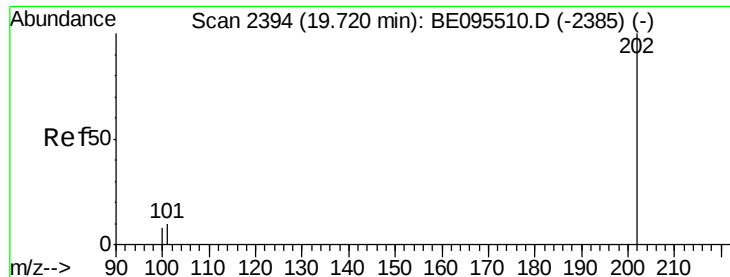


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.332 ng/ul

RT: 19.72 min Scan# 2394

Delta R.T. -0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

Instrument :

BNA_E

ClientSampleId :

SSTD0.446

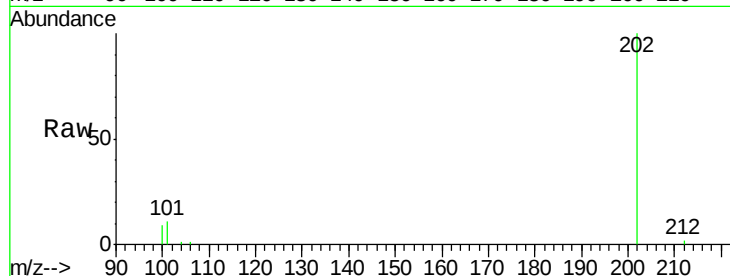
Tgt Ion:202 Resp: 9787

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

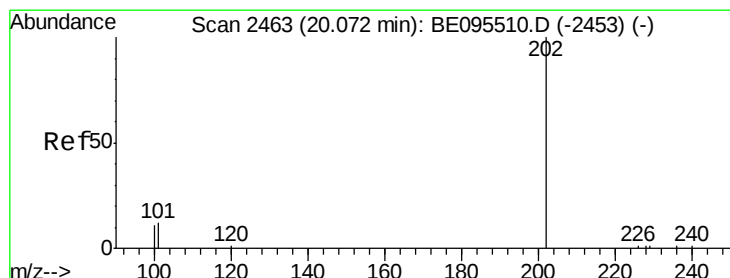
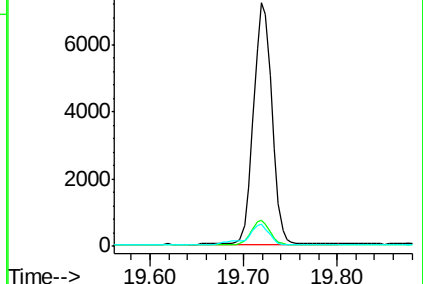
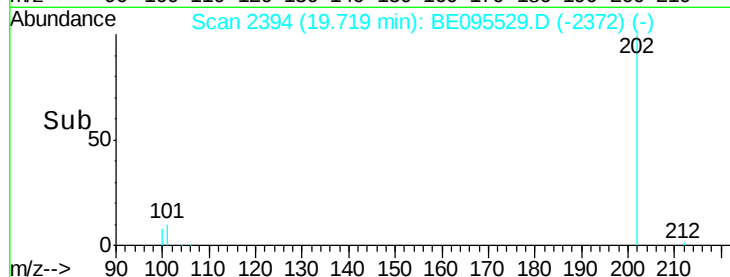
100 9.1 0.0 39.5



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: 0.474 ng/ul

RT: 20.07 min Scan# 2463

Delta R.T. 0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

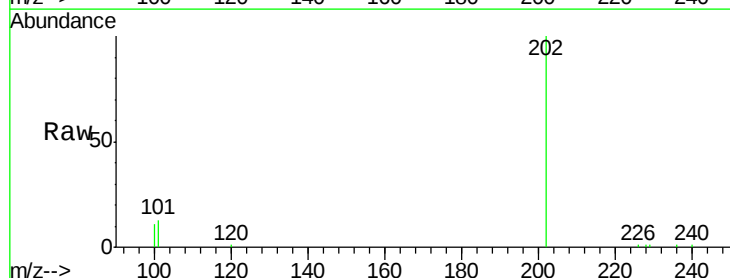
Tgt Ion:202 Resp: 10387

Ion Ratio Lower Upper

202 100

101 12.6 18.2 27.4#

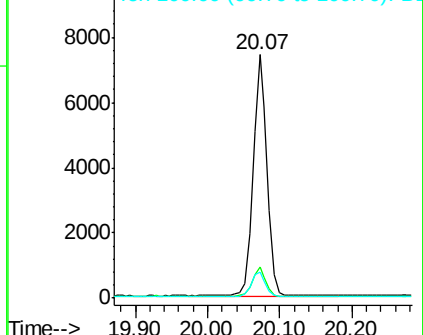
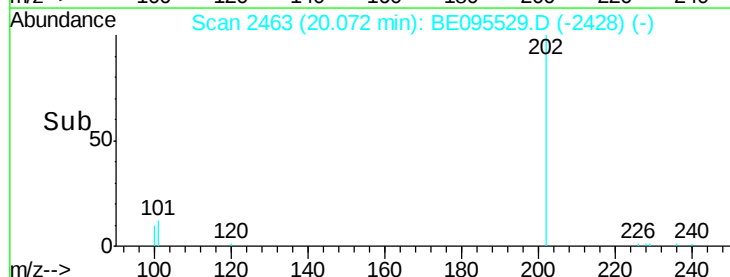
100 10.9 15.6 23.4#

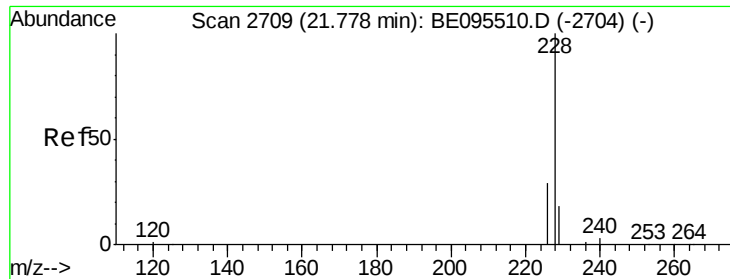


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.439 ng/ul

RT: 21.78 min Scan# 2709

Delta R.T. -0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

Instrument :

BNA_E

ClientSampleId :

SSTD0.446

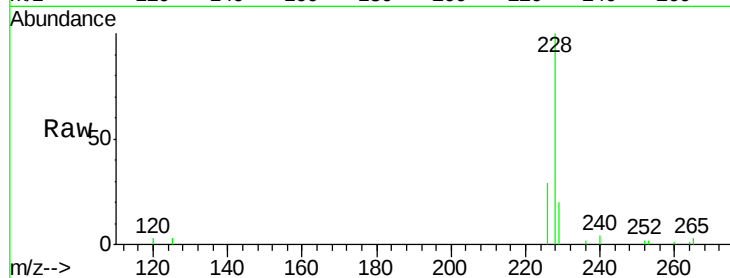
Tgt Ion:228 Resp: 8971

Ion Ratio Lower Upper

228 100

229 20.0 22.8 34.2#

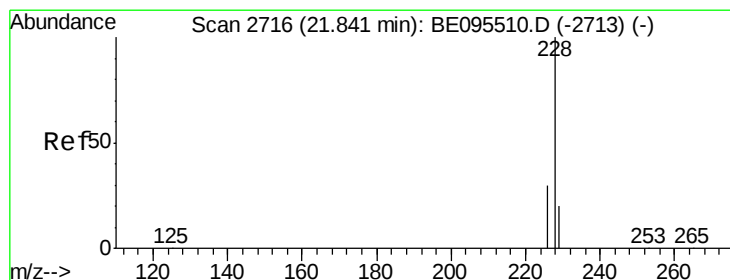
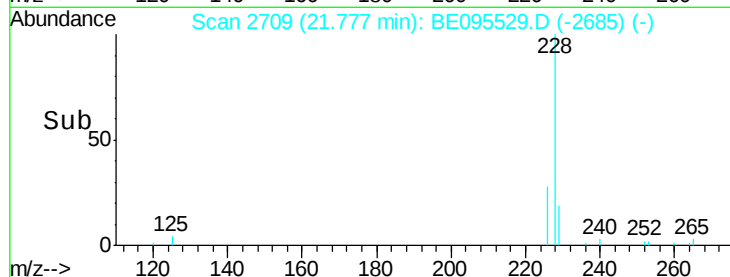
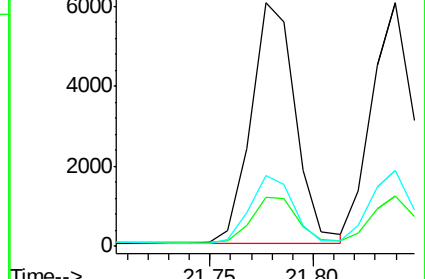
226 28.9 17.0 25.6#



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: 0.402 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. -0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

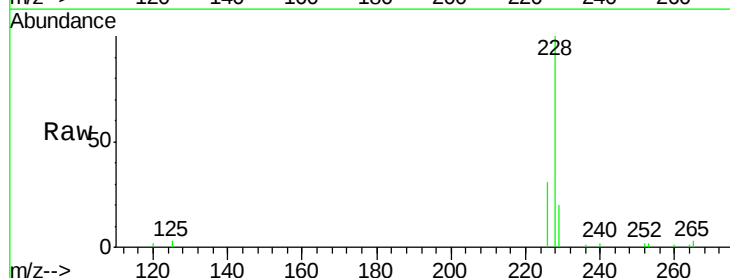
Tgt Ion:228 Resp: 8531

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.0

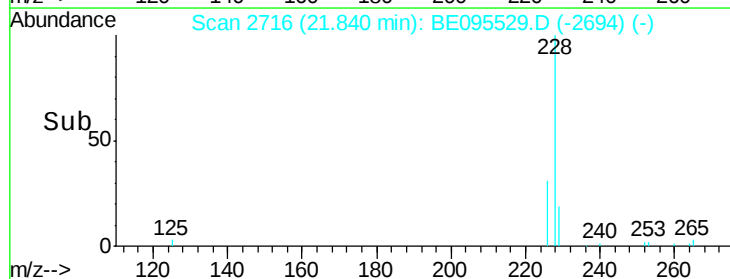
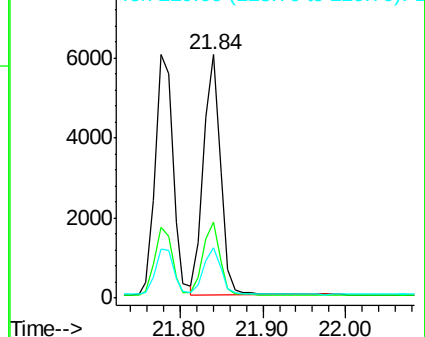
229 20.4 17.7 26.5

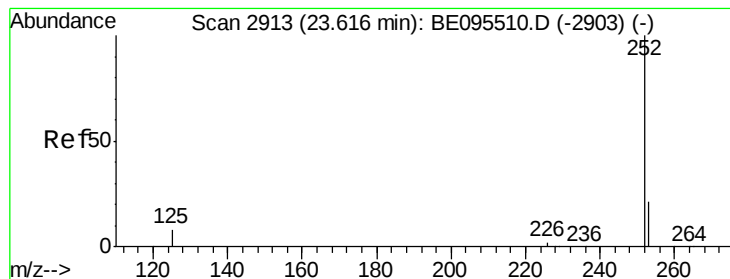


Abundance Ion 228.00 (227.70 to 228.70): E

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: BE095529.D

Acq: 6 Feb 2018 14:16

Instrument :

BNA_E

ClientSampleId :

SSTD0.446

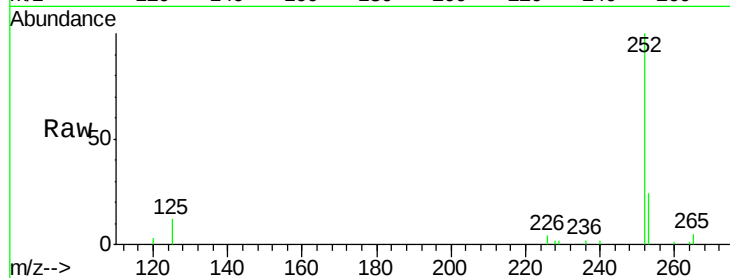
Tgt Ion:252 Resp: 8546

Ion Ratio Lower Upper

252 100

253 24.0 0.0 64.2

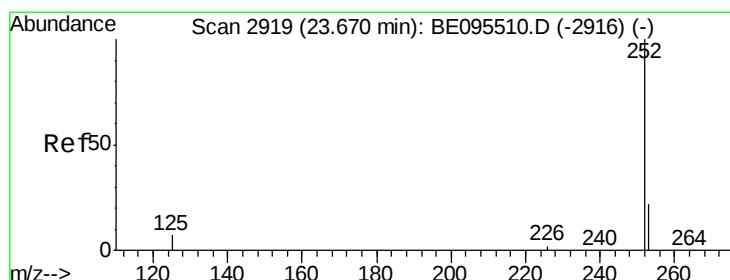
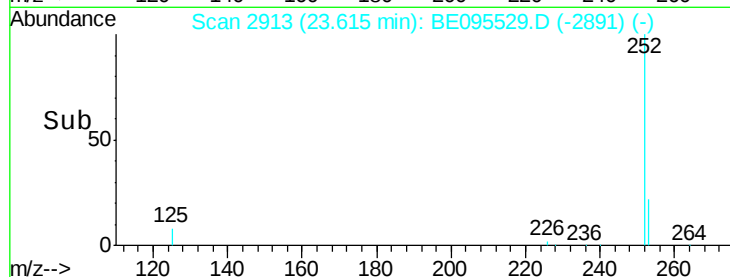
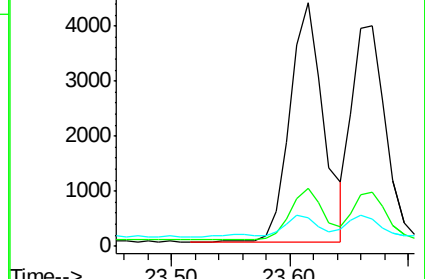
125 11.8 0.0 35.0



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. -0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

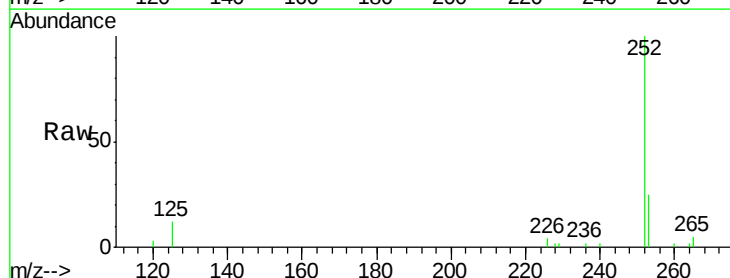
Tgt Ion:252 Resp: 7769

Ion Ratio Lower Upper

252 100

253 24.7 24.5 36.7

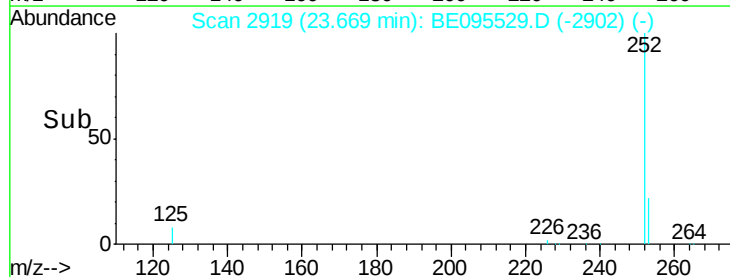
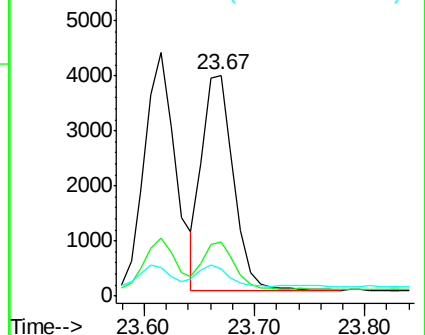
125 12.3 13.7 20.5#

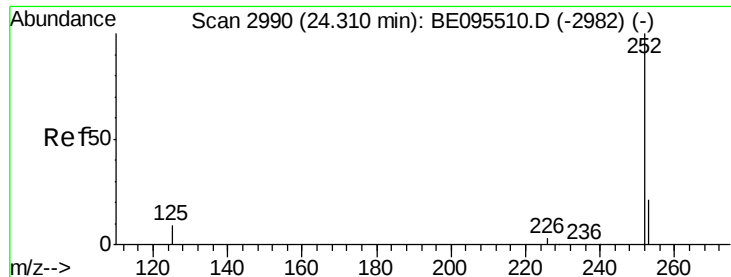


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.398 ng/u1

RT: 24.31 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

Instrument :

BNA_E

ClientSampleId :

SSTD0.446

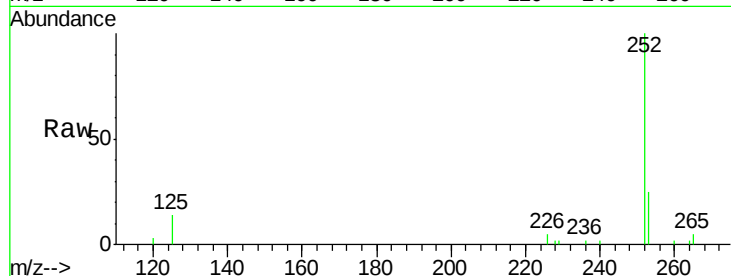
Tgt Ion:252 Resp: 7803

Ion Ratio Lower Upper

252 100

253 24.7 28.5 42.7#

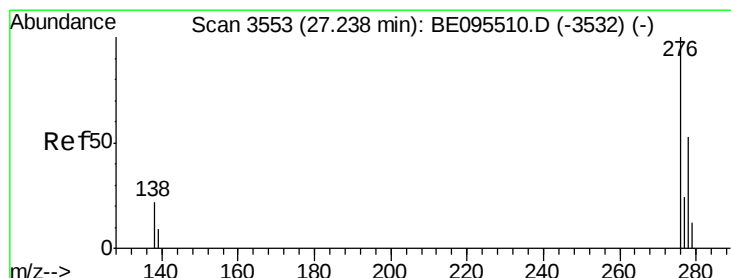
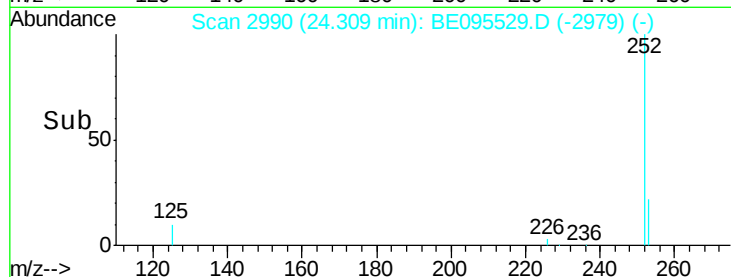
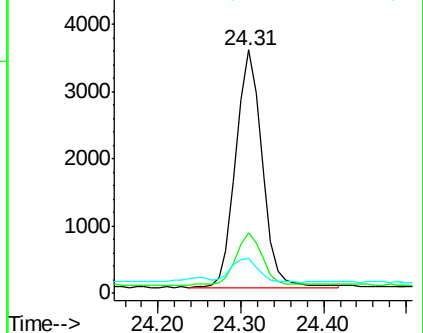
125 14.5 18.1 27.1#



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: 0.398 ng/u1

RT: 27.24 min Scan# 3553

Delta R.T. 0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

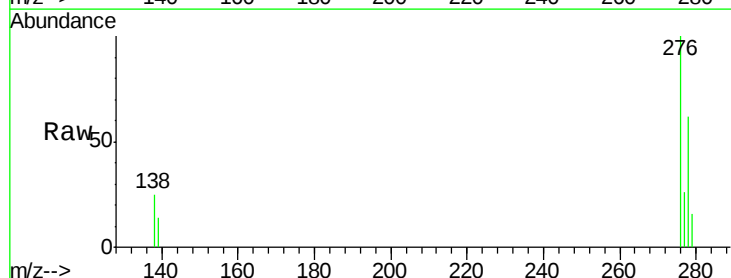
Tgt Ion:276 Resp: 8554

Ion Ratio Lower Upper

276 100

138 23.2 28.0 42.0#

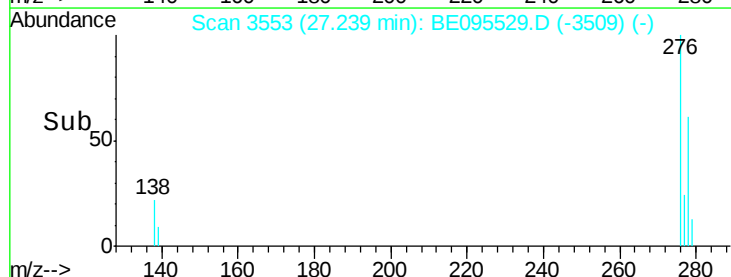
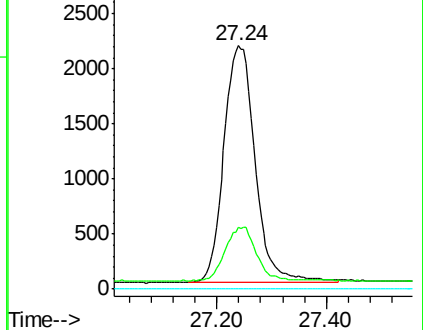
227 0.0 8.0 12.0#

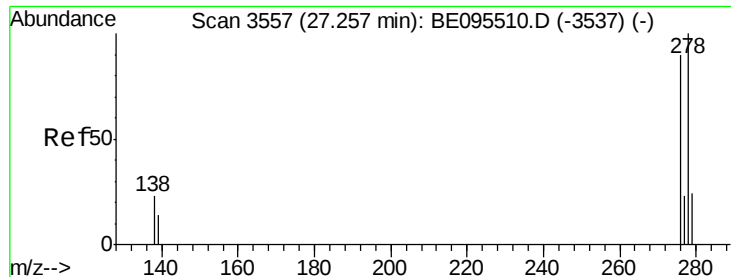


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.396 ng/ul

RT: 27.26 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

Instrument :

BNA_E

ClientSampleId :

SSTD0.446

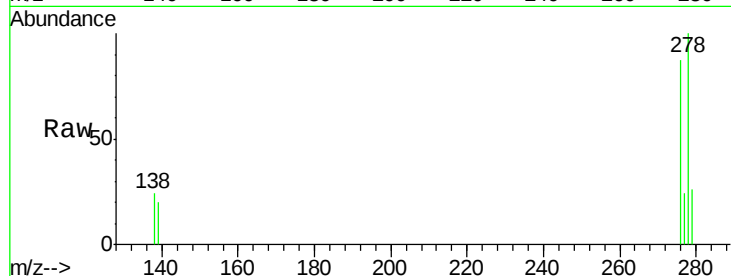
Tgt Ion:278 Resp: 6967

Ion Ratio Lower Upper

278 100

139 19.7 17.4 26.0

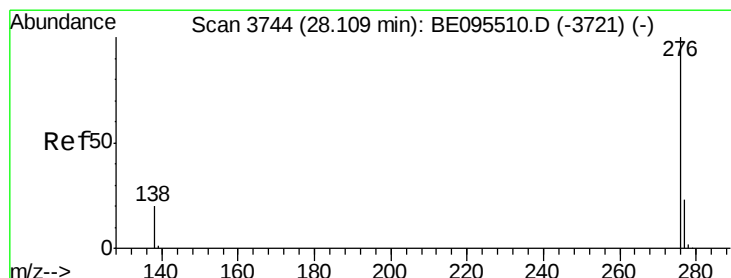
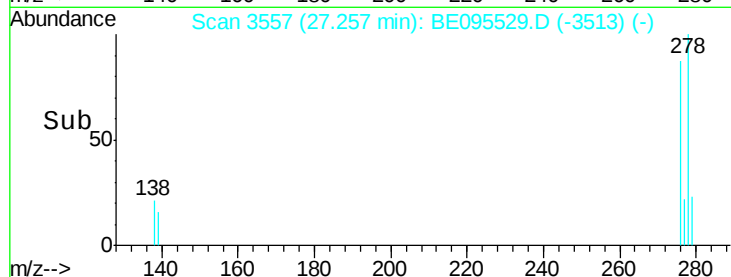
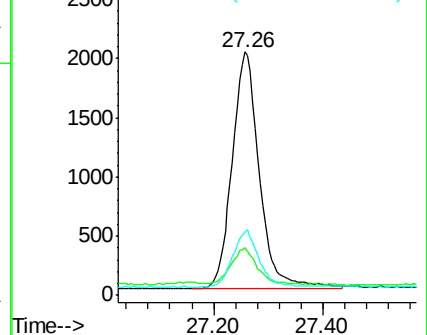
279 25.8 25.9 38.9#



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: 0.401 ng/ul

RT: 28.11 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BE095529.D

Acq: 6 Feb 2018 14:16

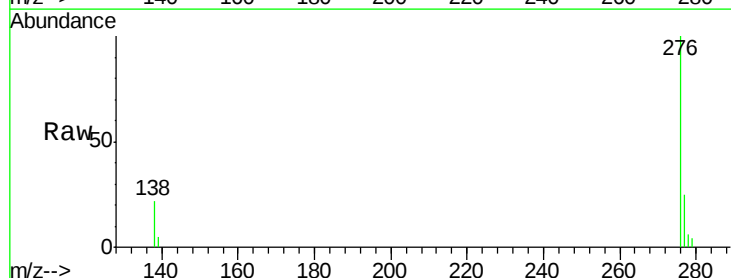
Tgt Ion:276 Resp: 7288

Ion Ratio Lower Upper

276 100

138 22.5 21.8 32.8

277 25.4 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

