

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\
 Data File : BE095273.D
 Acq On : 30 Jan 2018 6:52
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.422

Quant Time: Jan 30 07:28:50 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 Jan 30 06:14:31 2018
 Response via : Initial Calibration

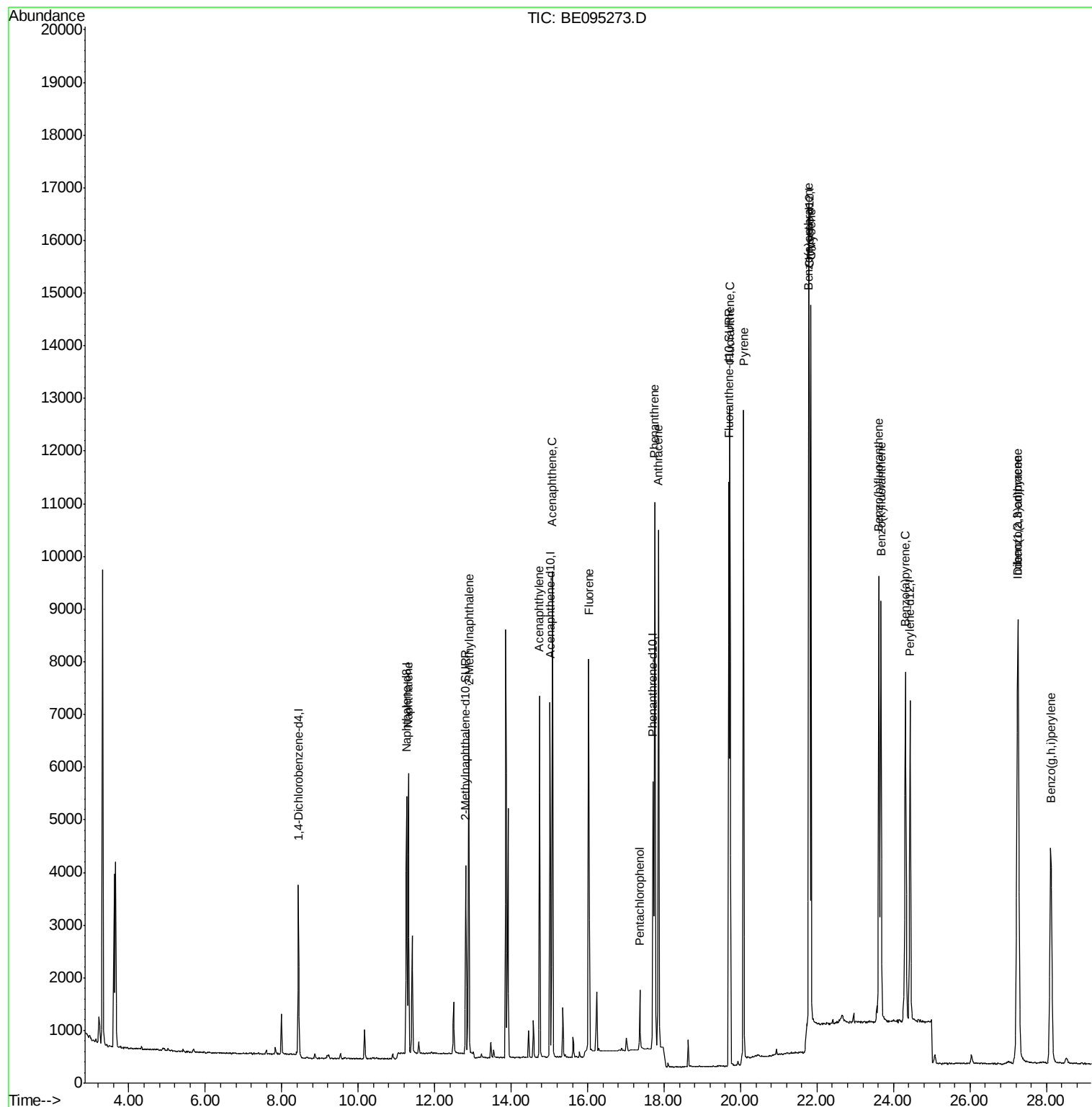
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2245	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	6550	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	3783	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	8212	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	9622	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	8961	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	4473	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	12297	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	7353	0.401	ng/ul#	88
5) 2-Methylnaphthalene	12.89	142	5122	0.418	ng/ul	99
7) Acenaphthylene	14.74	152	7683	0.422	ng/ul	97
8) Acenaphthene	15.07	153	5694	0.403	ng/ul	92
9) Fluorene	16.02	166	6102	0.419	ng/ul#	78
11) Pentachlorophenol	17.36	266	727	0.457	ng/ul	94
12) Phenanthrene	17.75	178	11728	0.425	ng/ul#	88
13) Anthracene	17.84	178	11282	0.446	ng/ul#	92
15) Fluoranthene	19.72	202	13845	0.387	ng/ul	84
17) Pyrene	20.08	202	14226	0.441	ng/ul#	78
18) Benzo(a)anthracene	21.79	228	12942	0.430	ng/ul#	86
19) Chrysene	21.84	228	12533	0.401	ng/ul	95
21) Benzo(b)fluoranthene	23.62	252	12091	0.382	ng/ul	85
22) Benzo(k)fluoranthene	23.67	252	11695	0.404	ng/ul#	87
23) Benzo(a)pyrene	24.32	252	11626	0.412	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.24	276	12852	0.415	ng/ul#	80
25) Dibenzo(a,h)anthracene	27.27	278	10416	0.411	ng/ul#	89
26) Benzo(g,h,i)perylene	28.11	276	10767	0.411	ng/ul	94

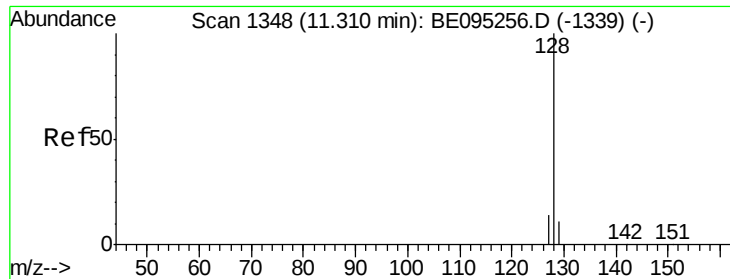
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.401 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

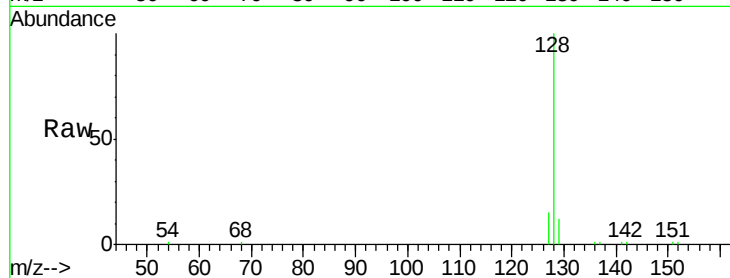
Tot Ion:128 Resp: 7353

Ion Ratio Lower Upper

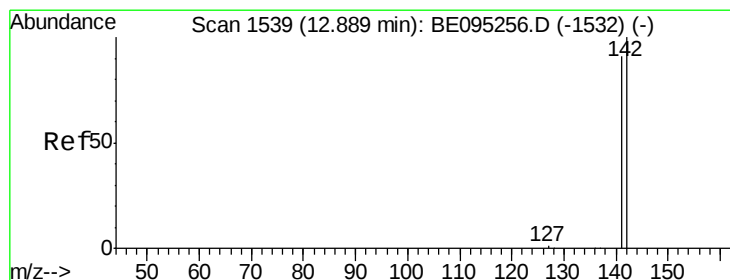
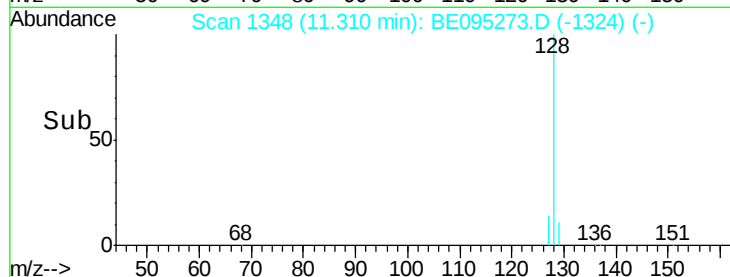
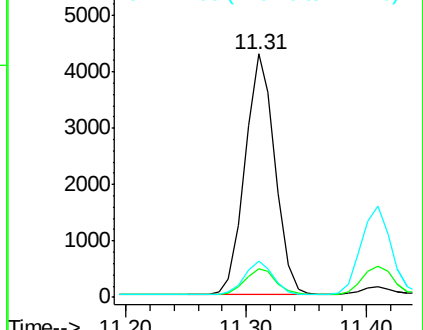
128 100

129 11.8 11.3 16.9

127 14.6 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: 0.418 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE095273.D

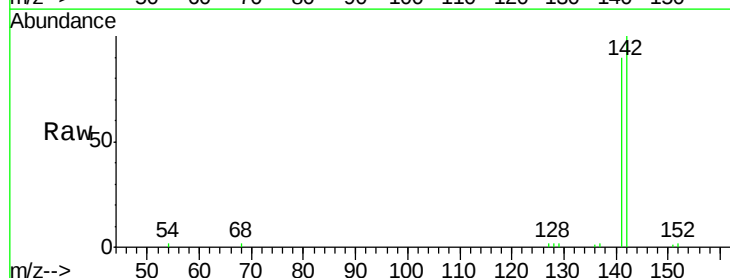
Acq: 30 Jan 2018 6:52

Tgt Ion:142 Resp: 5122

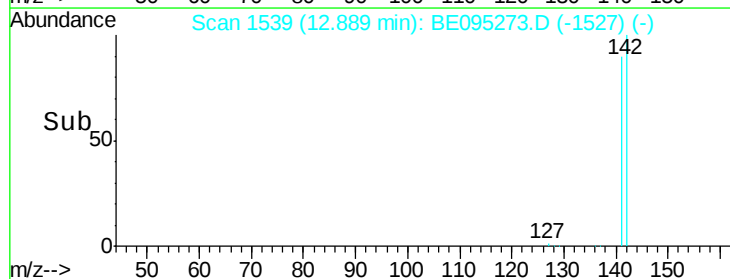
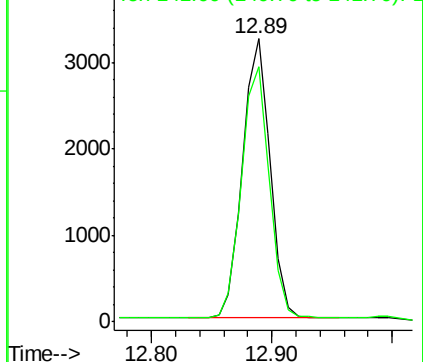
Ion Ratio Lower Upper

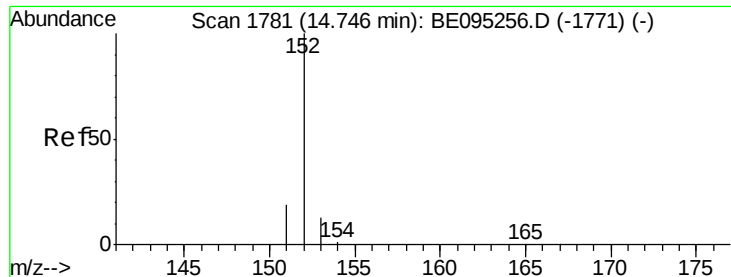
142 100

141 91.2 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: 0.422 ng/ul

RT: 14.74 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

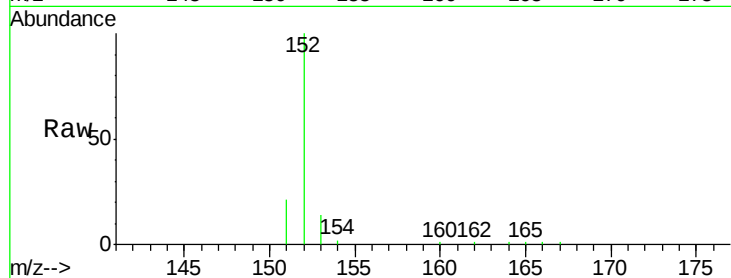
Tot Ion:152 Resp: 7683

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

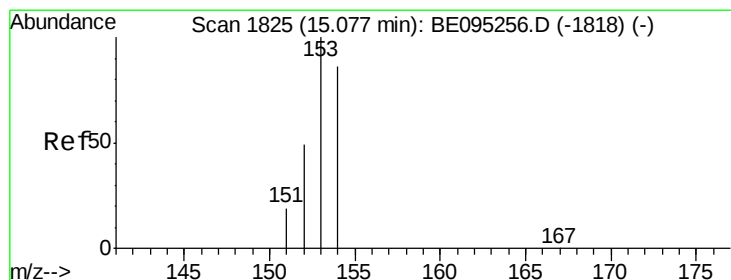
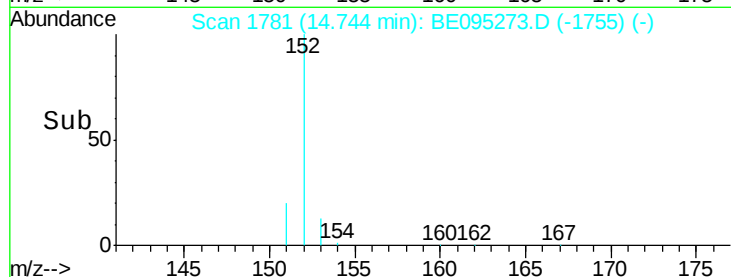
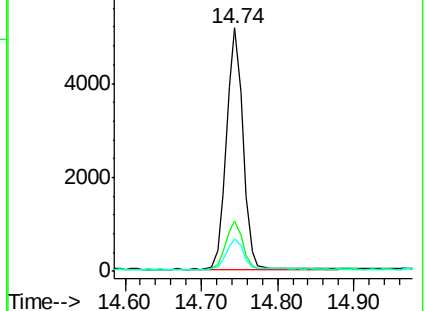
153 13.5 12.8 19.2



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: 0.403 ng/ul

RT: 15.07 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

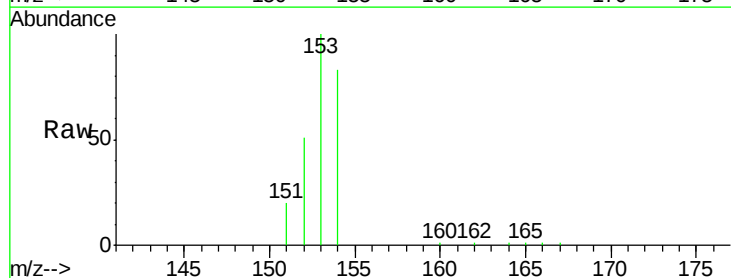
Tgt Ion:153 Resp: 5694

Ion Ratio Lower Upper

153 100

152 50.7 36.0 54.0

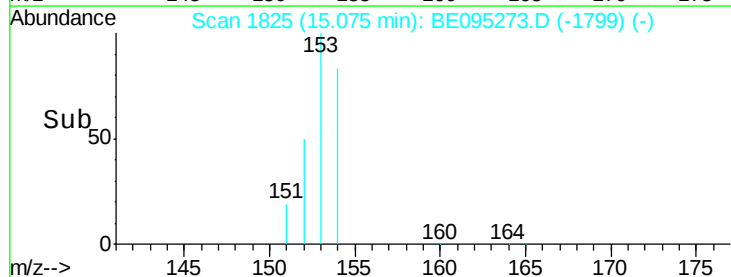
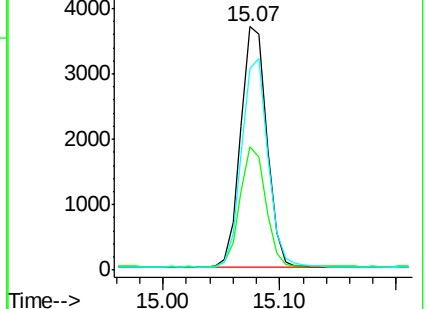
154 82.7 72.0 108.0

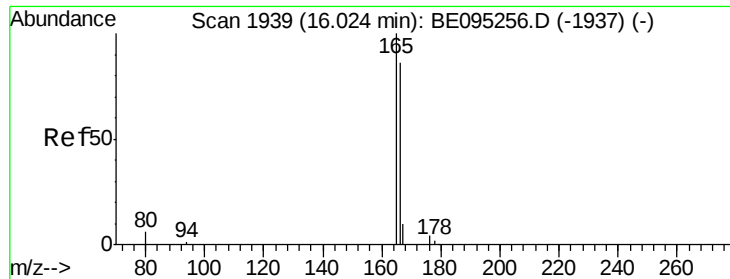


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.419 ng/ul

RT: 16.02 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

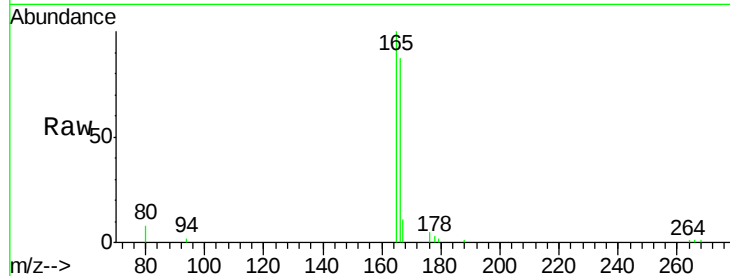
Tot Ion:166 Resp: 6102

Ion Ratio Lower Upper

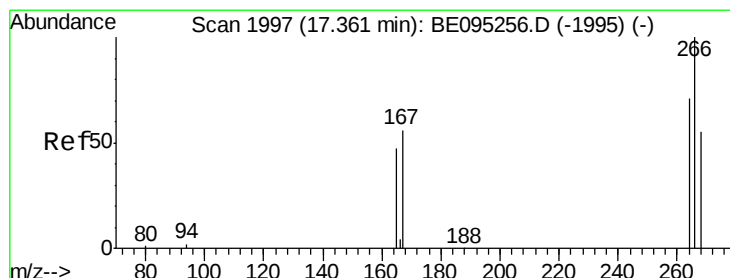
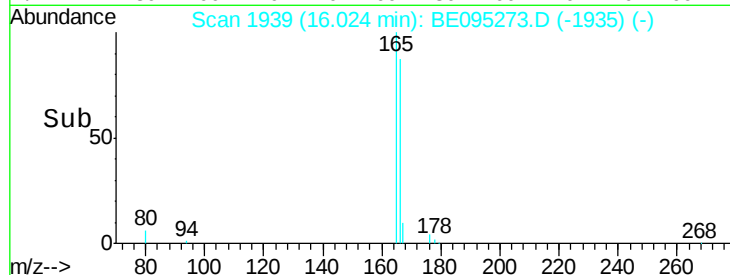
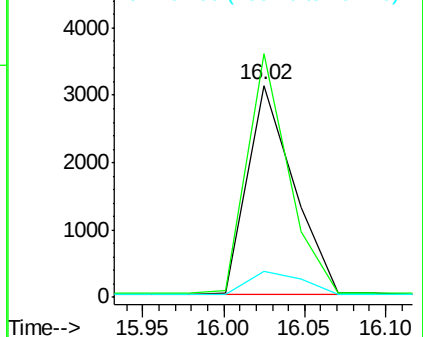
166 100

165 115.0 73.4 110.2#

167 12.5 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: 0.457 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

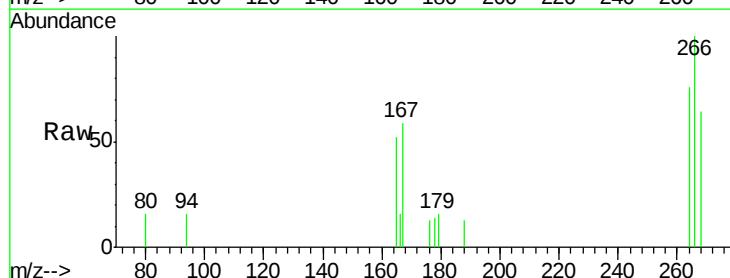
Tgt Ion:266 Resp: 727

Ion Ratio Lower Upper

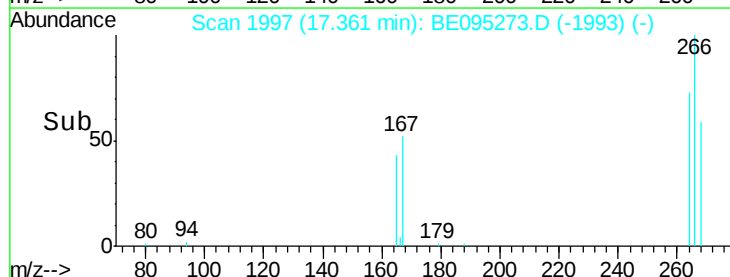
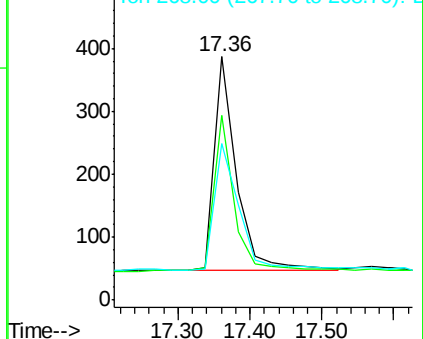
266 100

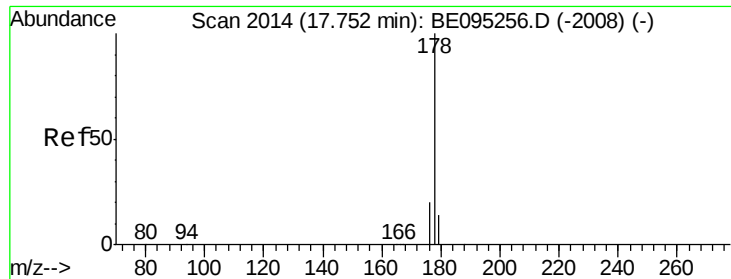
264 64.8 47.9 71.9

268 67.0 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: 0.425 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

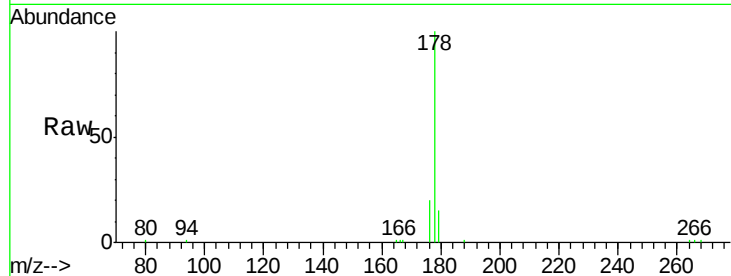
Tot Ion:178 Resp: 11728

Ion Ratio Lower Upper

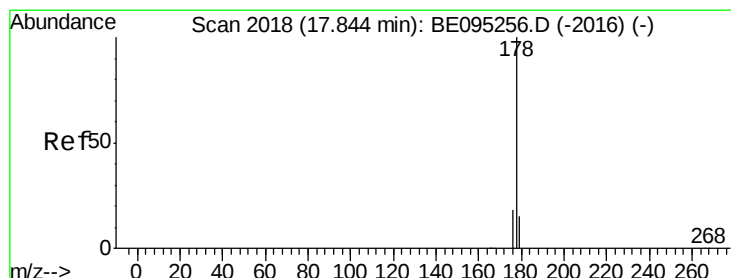
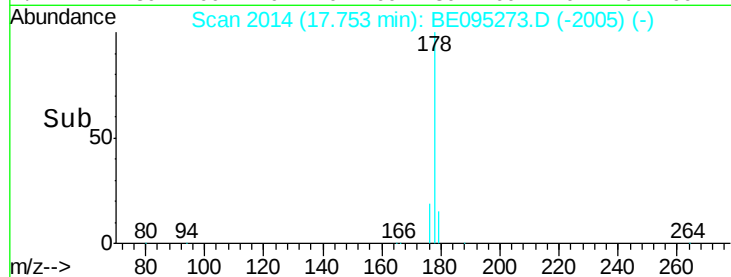
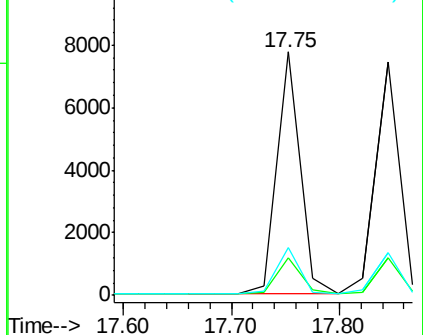
178 100

179 15.3 18.4 27.6#

176 19.8 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: 0.446 ng/ul

RT: 17.84 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

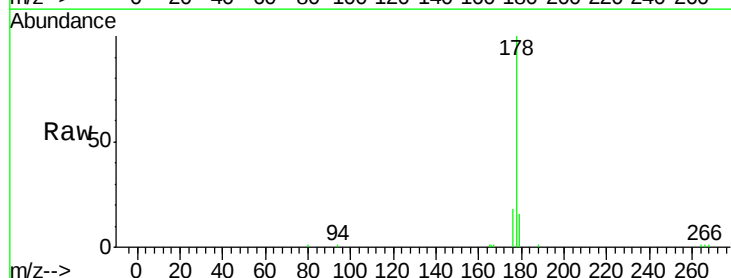
Tgt Ion:178 Resp: 11282

Ion Ratio Lower Upper

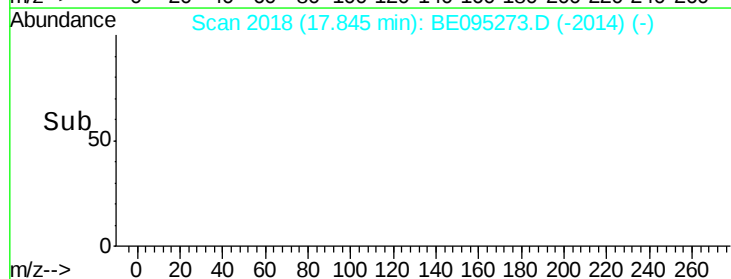
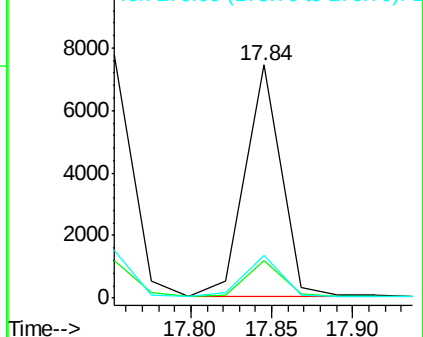
178 100

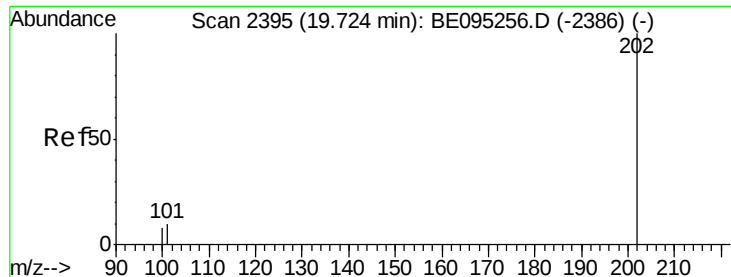
179 15.8 18.1 27.1#

176 18.4 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: 0.387 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

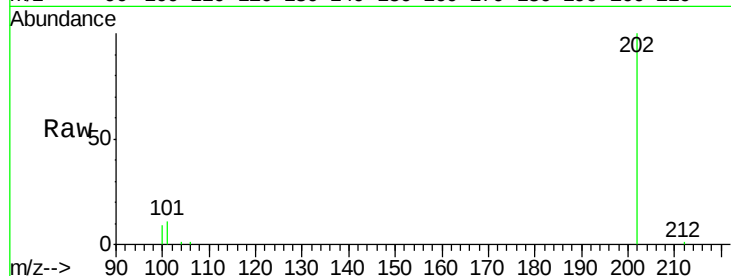
Tot Ion:202 Resp: 13845

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

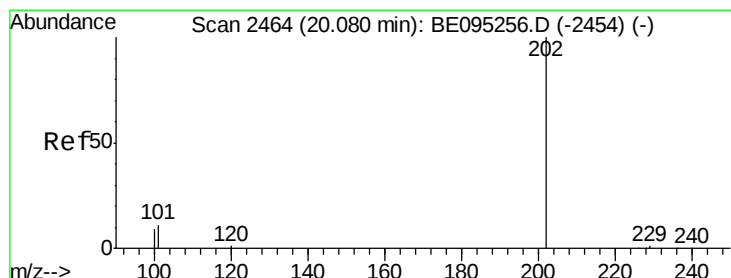
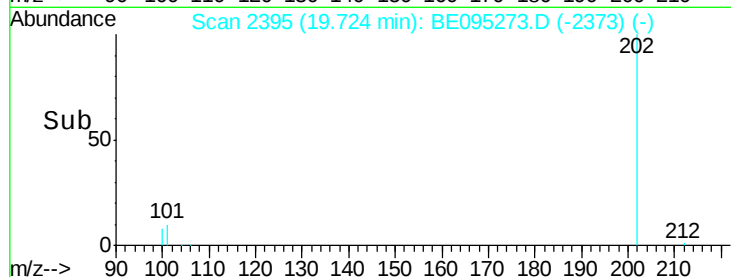
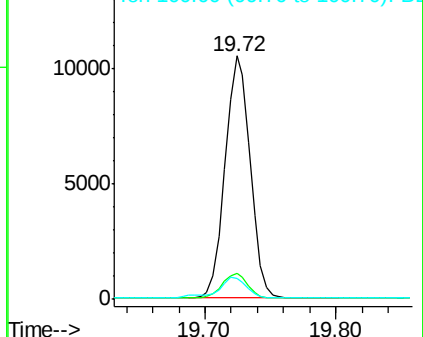
100 8.6 0.0 39.5



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: 0.441 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

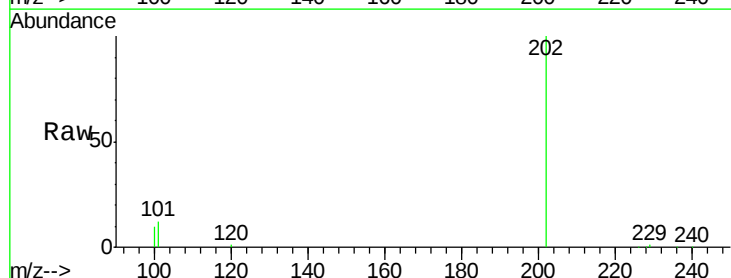
Tgt Ion:202 Resp: 14226

Ion Ratio Lower Upper

202 100

101 11.9 18.2 27.4#

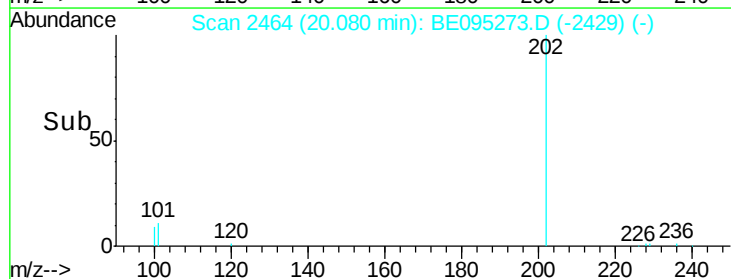
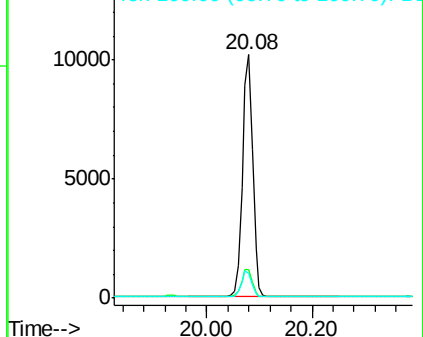
100 9.9 15.6 23.4#

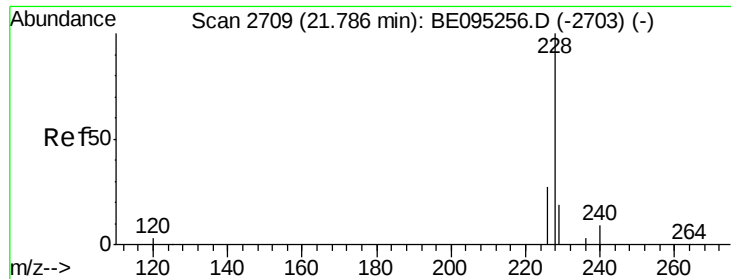


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.430 ng/ul

RT: 21.79 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

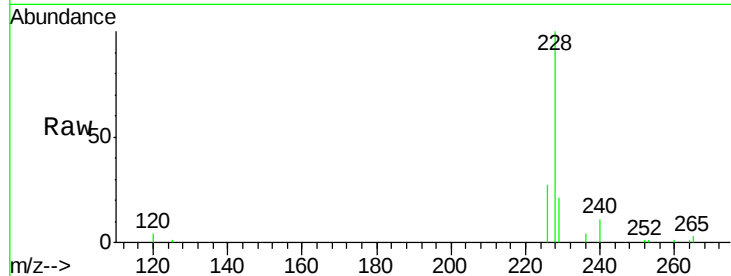
Tot Ion:228 Resp: 12942

Ion Ratio Lower Upper

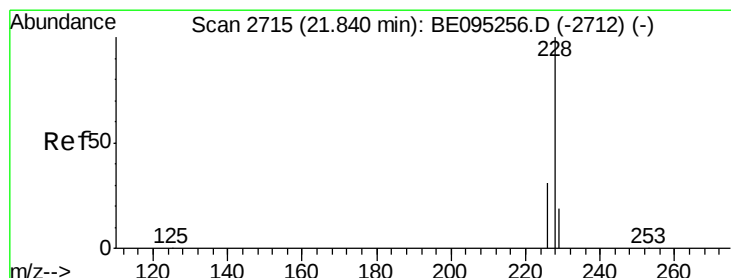
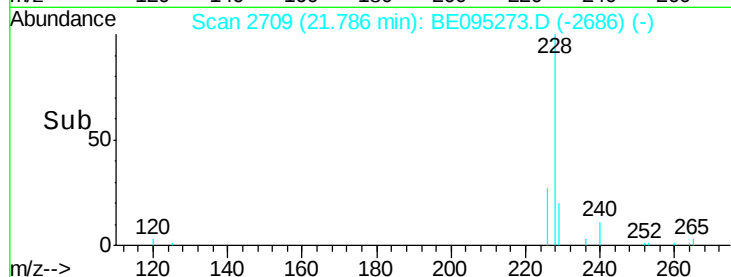
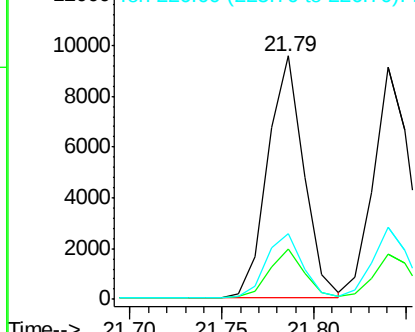
228 100

229 20.8 22.8 34.2#

226 27.2 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: 0.401 ng/ul

RT: 21.84 min Scan# 2715

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

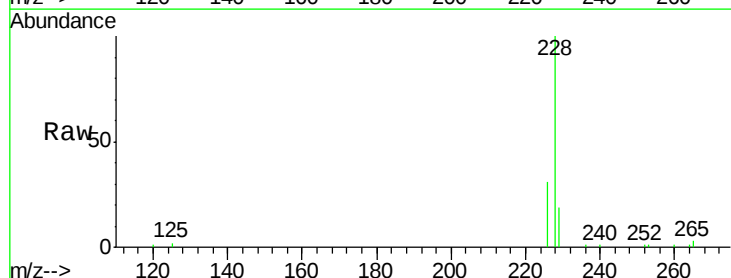
Tgt Ion:228 Resp: 12533

Ion Ratio Lower Upper

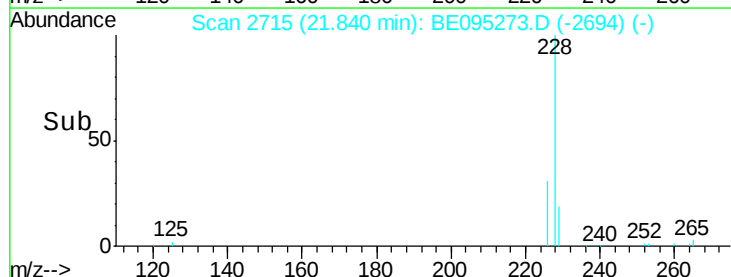
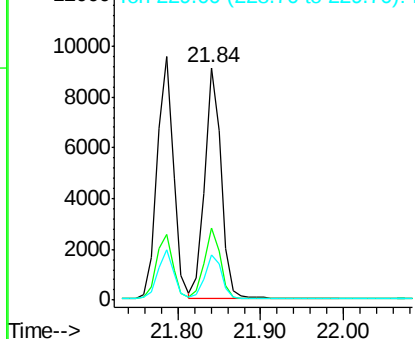
228 100

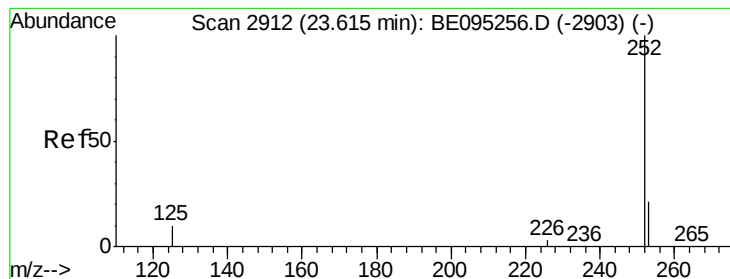
226 31.2 23.4 35.0

229 19.4 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: 0.382 ng/ul

RT: 23.62 min Scan# 2912

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

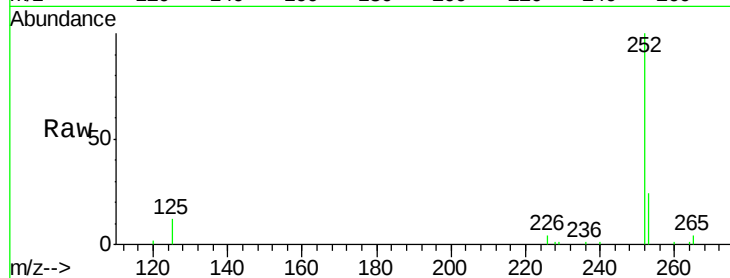
Tot Ion:252 Resp: 12091

Ion Ratio Lower Upper

252 100

253 23.6 0.0 64.2

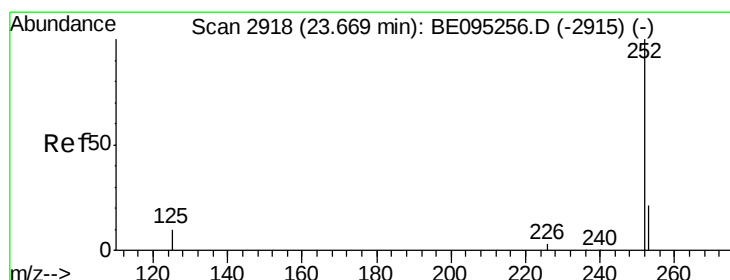
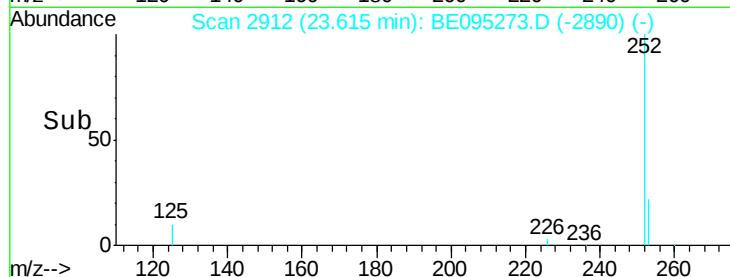
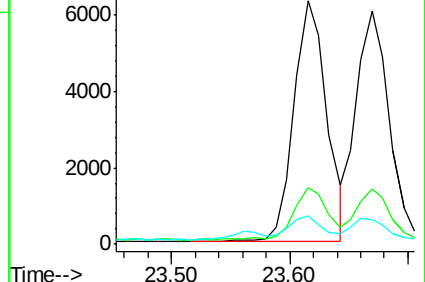
125 11.8 0.0 35.0



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: 0.404 ng/ul

RT: 23.67 min Scan# 2918

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

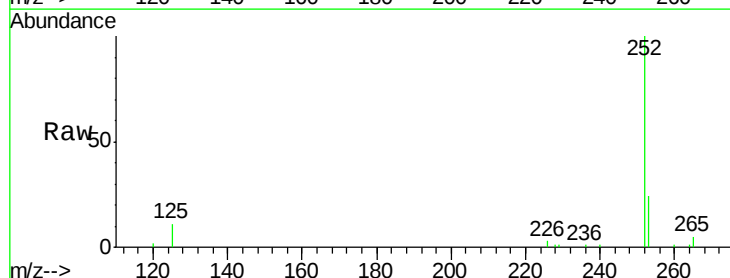
Tgt Ion:252 Resp: 11695

Ion Ratio Lower Upper

252 100

253 23.8 24.5 36.7#

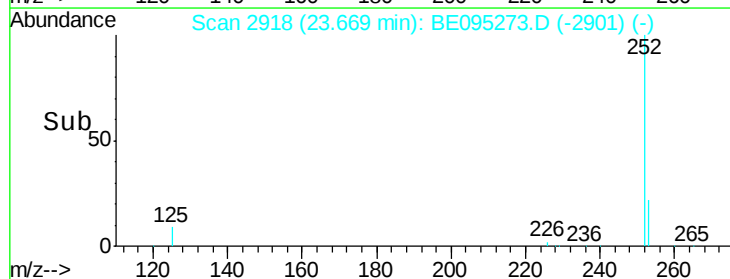
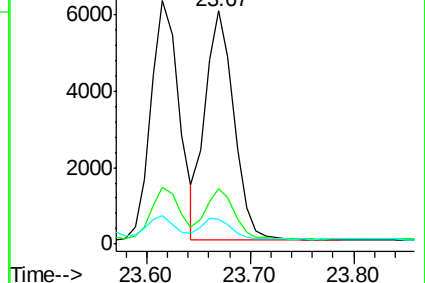
125 10.7 13.7 20.5#

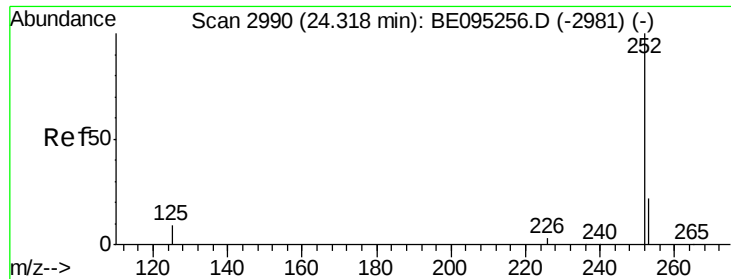


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.412 ng/ul

RT: 24.32 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

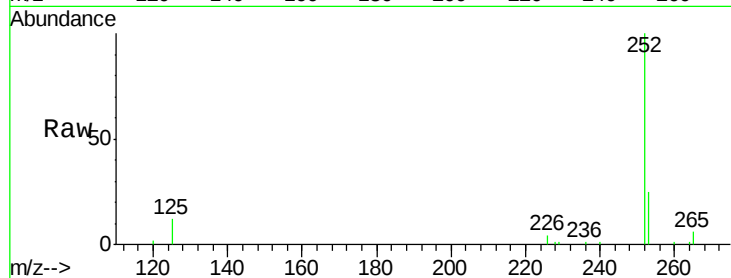
Tot Ion:252 Resp: 11626

Ion Ratio Lower Upper

252 100

253 24.6 28.5 42.7#

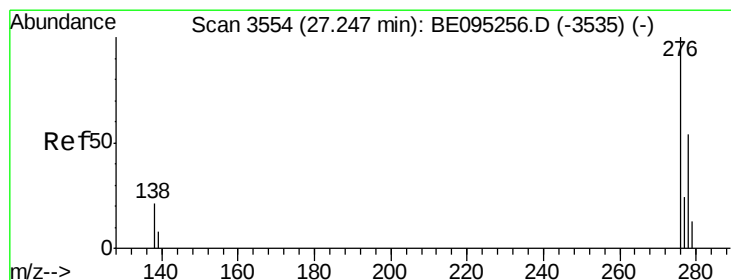
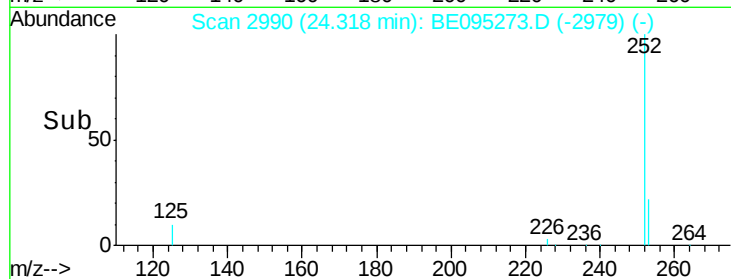
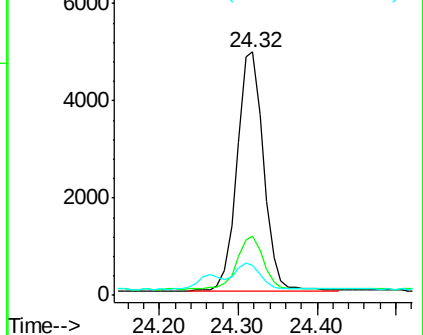
125 12.0 18.1 27.1#



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: 0.415 ng/ul

RT: 27.24 min Scan# 3553

Delta R.T. -0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

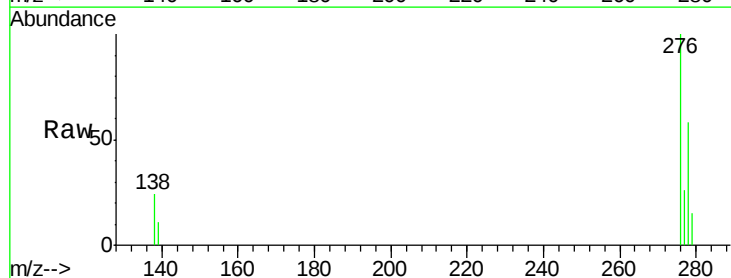
Tgt Ion:276 Resp: 12852

Ion Ratio Lower Upper

276 100

138 24.4 28.0 42.0#

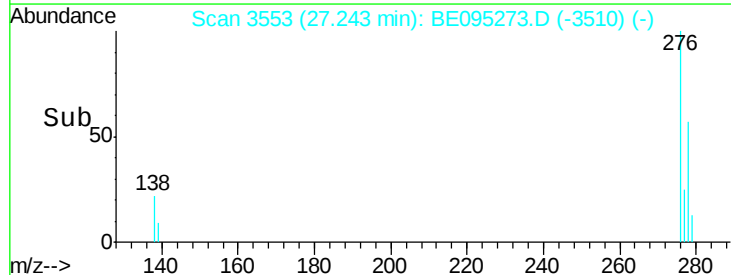
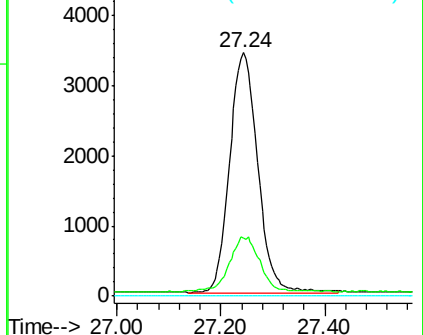
227 0.0 8.0 12.0#

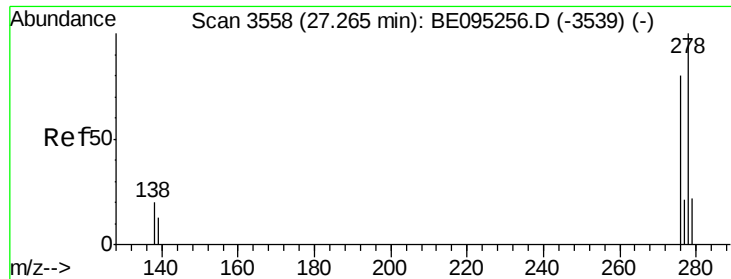


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.411 ng/ul

RT: 27.27 min Scan# 3558

Delta R.T. 0.00 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

Instrument :

BNA_E

ClientSampleId :

SSTD0.422

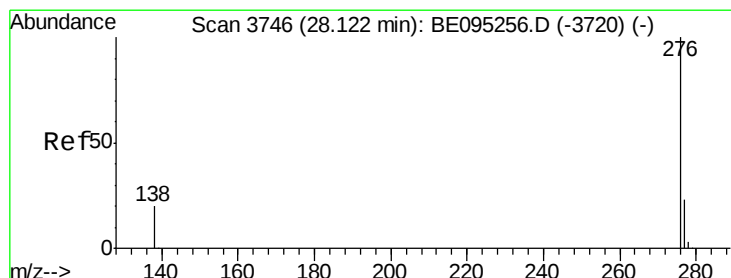
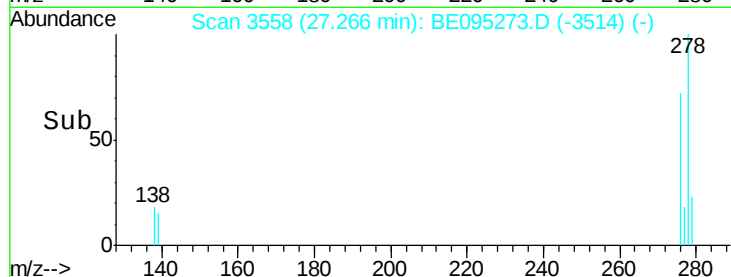
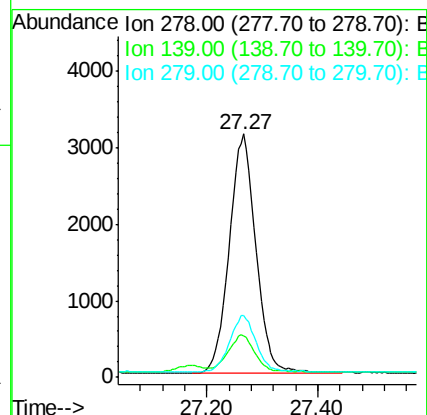
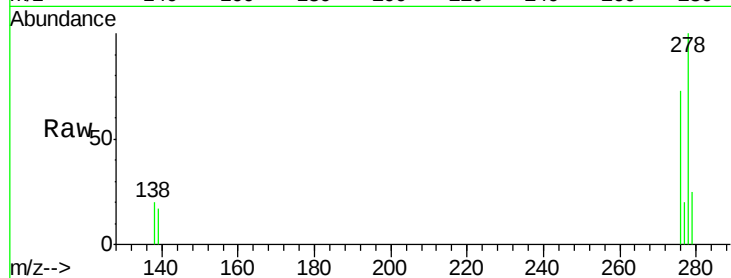
Tot Ion:278 Resp: 10416

Ion Ratio Lower Upper

278 100

139 17.1 17.4 26.0#

279 25.4 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.411 ng/ul

RT: 28.11 min Scan# 3744

Delta R.T. -0.01 min

Lab File: BE095273.D

Acq: 30 Jan 2018 6:52

Tgt Ion:276 Resp: 10767

Ion Ratio Lower Upper

276 100

138 21.9 21.8 32.8

277 24.6 20.5 30.7

