

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013118\
 Data File : BE095338.D
 Acq On : 1 Feb 2018 3:43
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.429

Quant Time: Feb 01 06:25:10 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 04:05:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2482	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7786	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4492	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	9358	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	9991	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	9598	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	5298	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	13274	0.37	ng/ul	0.00

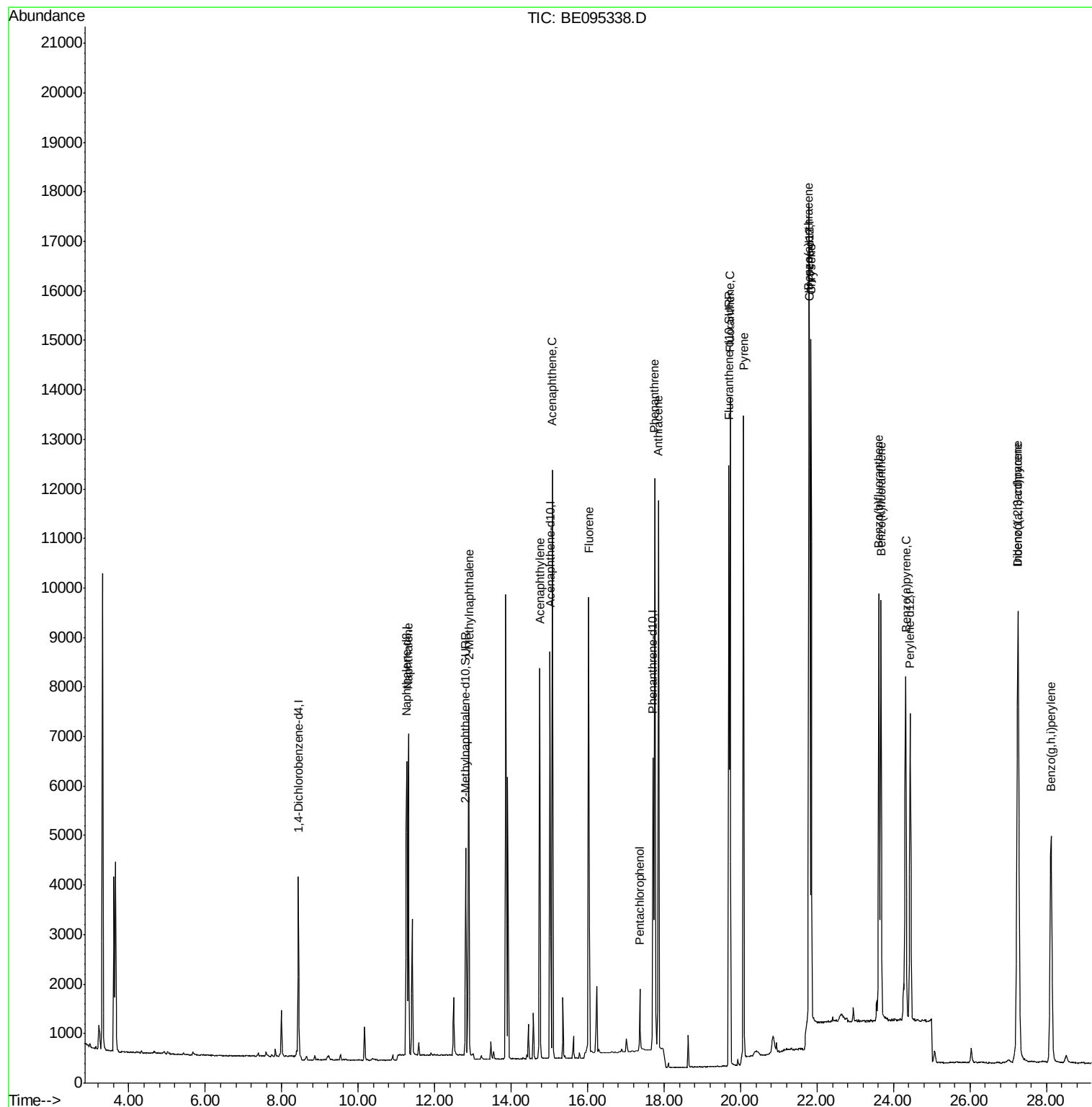
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	8648	0.397	ng/ul#	88
5) 2-Methylnaphthalene	12.89	142	6076	0.417	ng/ul	99
7) Acenaphthylene	14.75	152	9267	0.429	ng/ul	97
8) Acenaphthene	15.08	153	6803	0.406	ng/ul	95
9) Fluorene	16.02	166	7179	0.415	ng/ul#	78
11) Pentachlorophenol	17.36	266	864	0.477	ng/ul	98
12) Phenanthrene	17.75	178	13028	0.414	ng/ul#	88
13) Anthracene	17.84	178	12607	0.438	ng/ul#	92
15) Fluoranthene	19.72	202	14809	0.363	ng/ul	84
17) Pyrene	20.08	202	16229	0.484	ng/ul#	78
18) Benzo(a)anthracene	21.79	228	13689	0.438	ng/ul#	86
19) Chrysene	21.84	228	13020	0.401	ng/ul	96
21) Benzo(b)fluoranthene	23.62	252	12797	0.378	ng/ul	84
22) Benzo(k)fluoranthene	23.67	252	12439	0.402	ng/ul#	87
23) Benzo(a)pyrene	24.32	252	12240	0.405	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.25	276	13672	0.412	ng/ul#	79
25) Dibenzo(a,h)anthracene	27.27	278	11093	0.409	ng/ul#	89
26) Benzo(g,h,i)perylene	28.12	276	11431	0.407	ng/ul	95

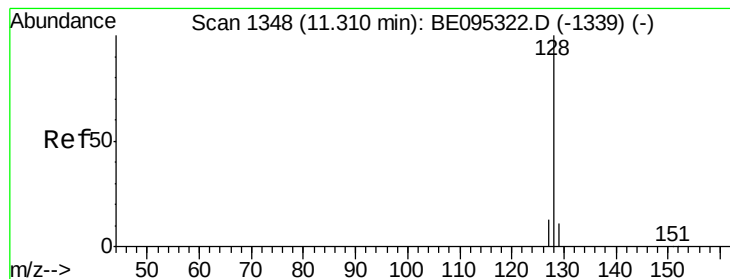
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.397 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.429

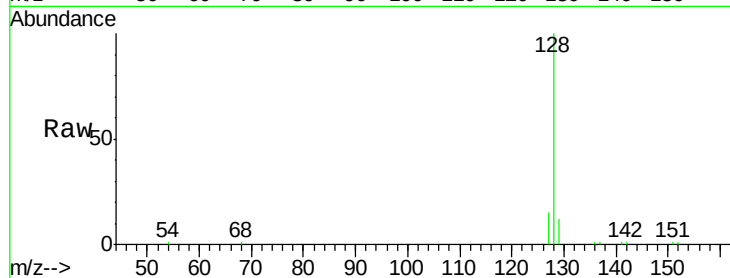
Tot Ion:128 Resp: 8648

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

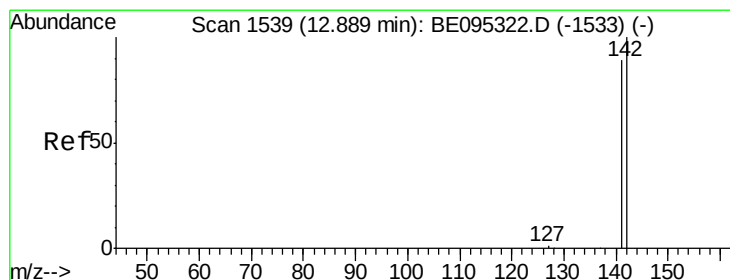
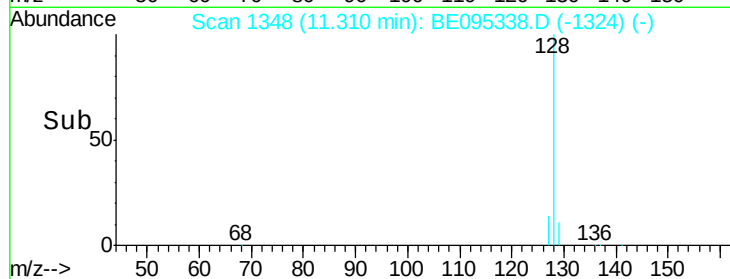
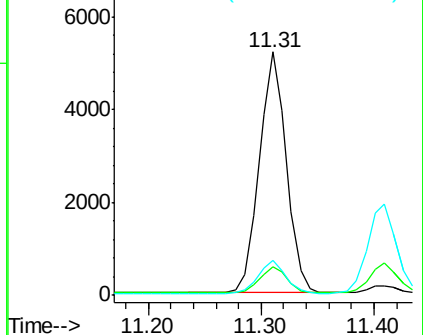
127 14.6 4.0 6.0#



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: 0.417 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE095338.D

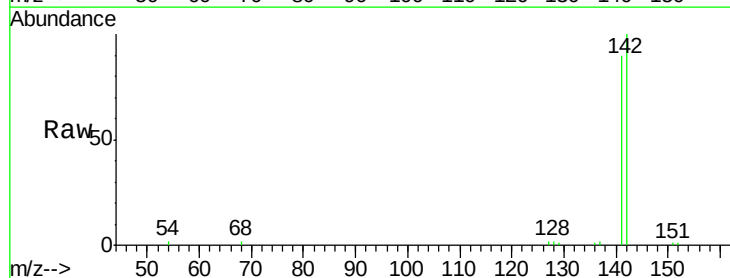
Acq: 1 Feb 2018 3:43

Tgt Ion:142 Resp: 6076

Ion Ratio Lower Upper

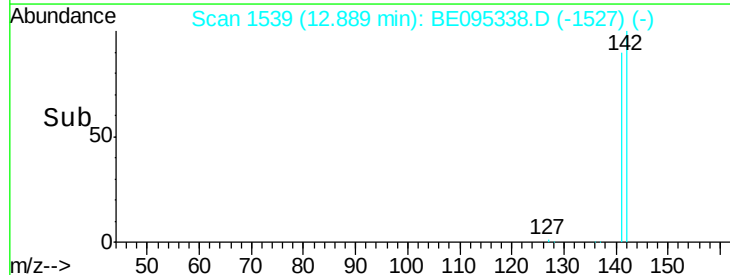
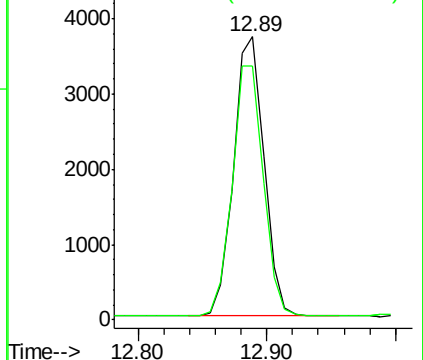
142 100

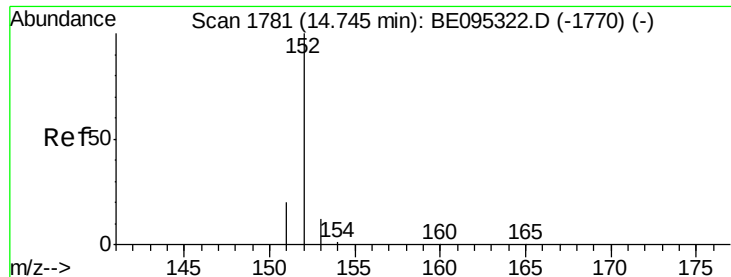
141 91.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.429 ng/ul

RT: 14.75 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Instrument :

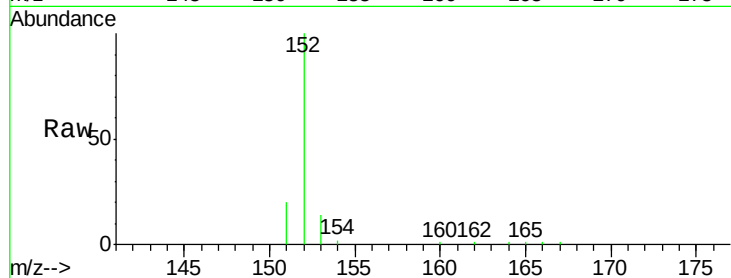
BNA_E

ClientSampleId :

SSTD0.429

Tot Ion:152 Resp: 9267

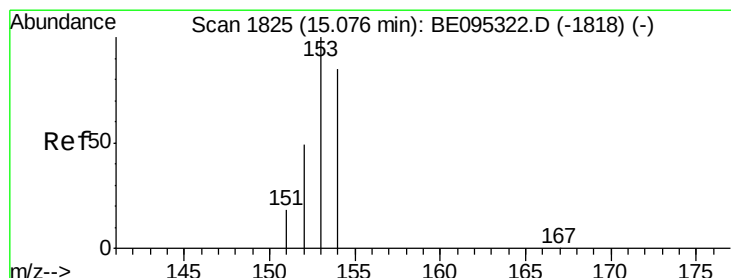
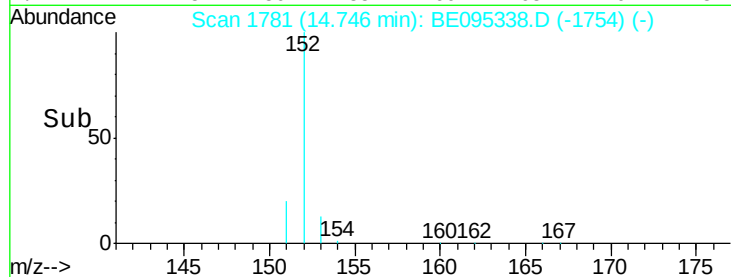
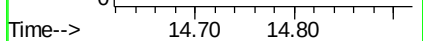
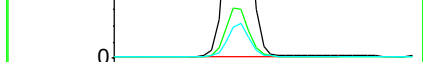
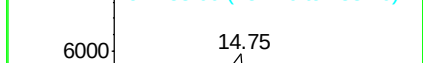
Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.1	25.7
153	14.1	12.8	19.2



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

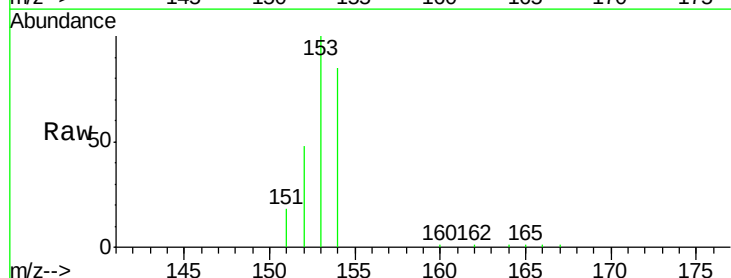
Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Tgt Ion:153 Resp: 6803

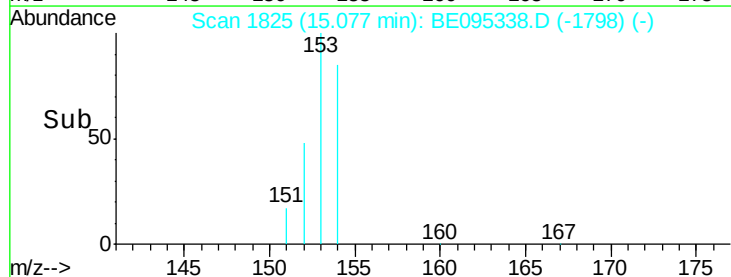
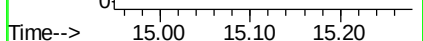
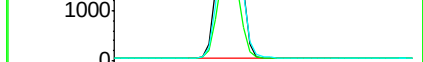
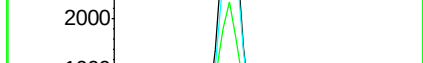
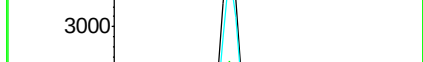
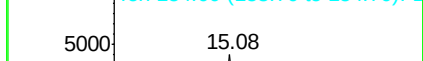
Ion	Ratio	Lower	Upper
153	100		
152	48.3	36.0	54.0
154	85.2	72.0	108.0

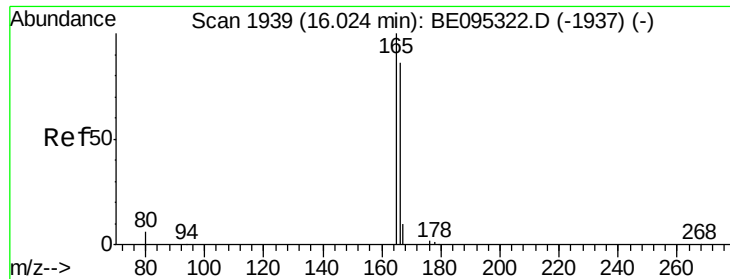


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.415 ng/ul

RT: 16.02 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.429

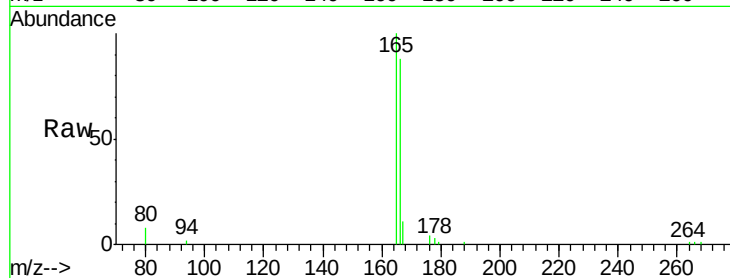
Tot Ion:166 Resp: 7179

Ion Ratio Lower Upper

166 100

165 113.9 73.4 110.2#

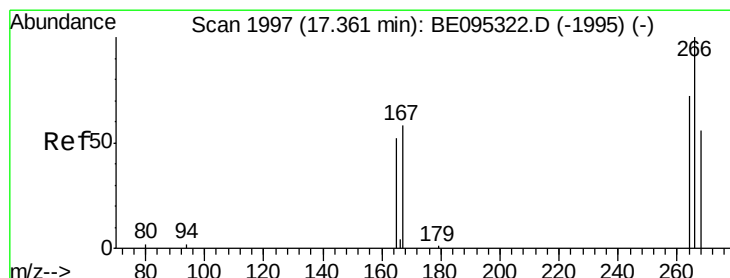
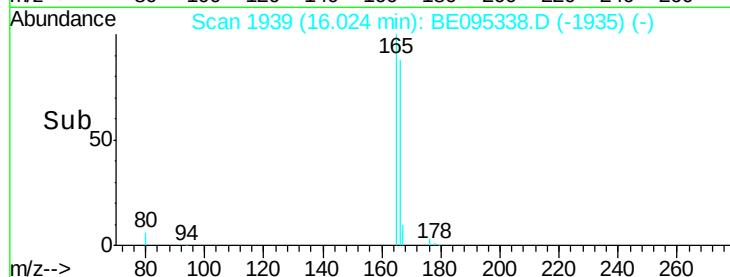
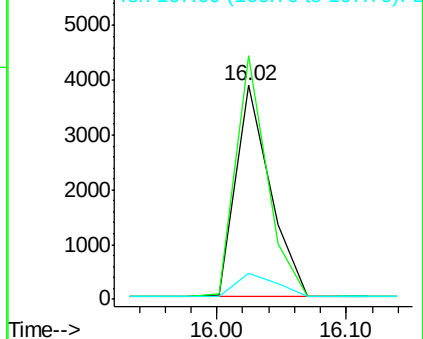
167 12.3 14.6 22.0#



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: 0.477 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

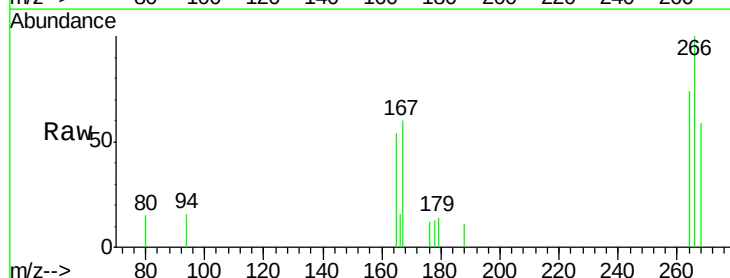
Tgt Ion:266 Resp: 864

Ion Ratio Lower Upper

266 100

264 62.0 47.9 71.9

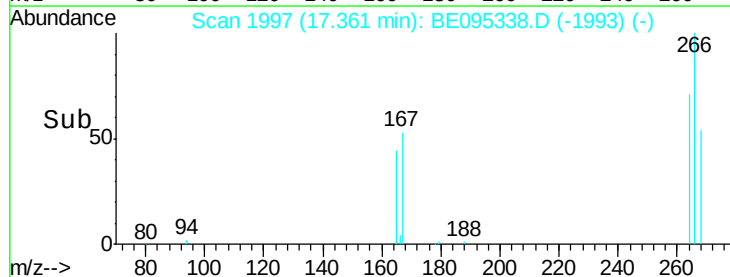
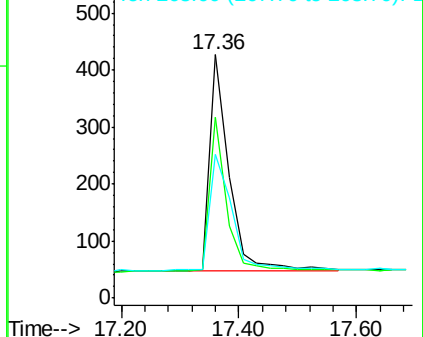
268 61.8 49.8 74.8

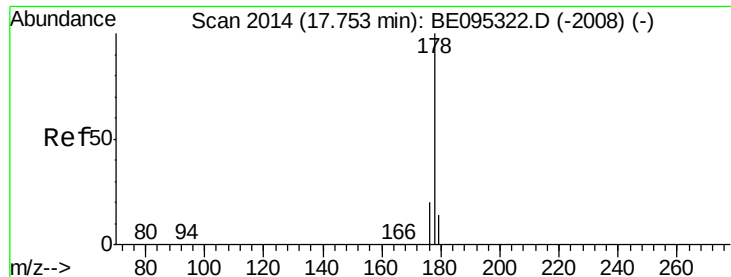


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.414 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.429

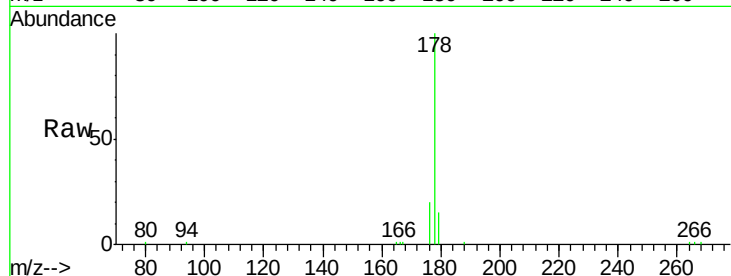
Tot Ion:178 Resp: 13028

Ion Ratio Lower Upper

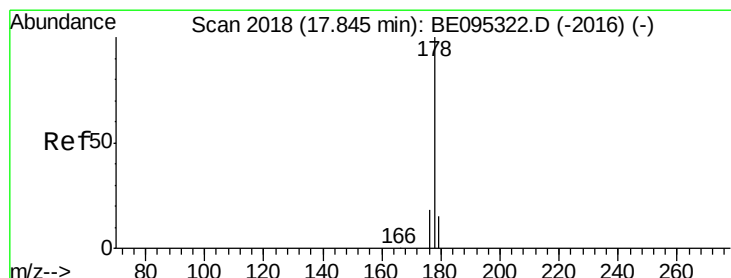
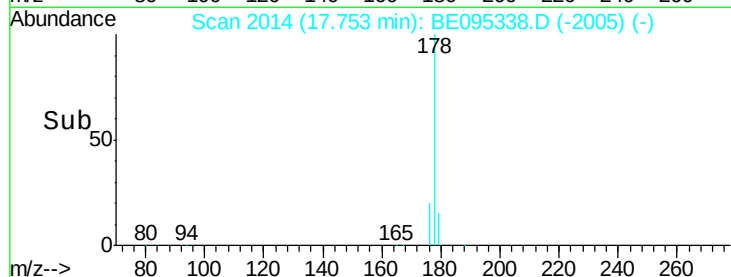
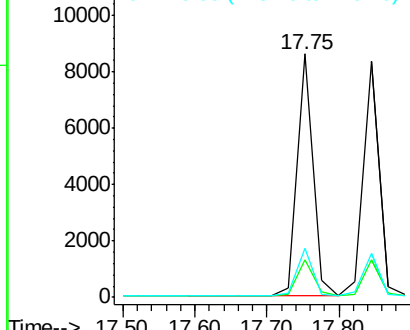
178 100

179 15.4 18.4 27.6#

176 20.1 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: 0.438 ng/ul

RT: 17.84 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

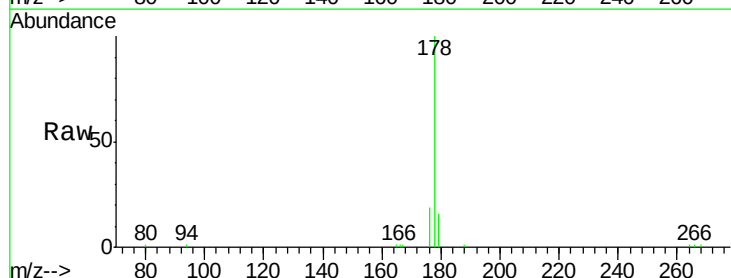
Tgt Ion:178 Resp: 12607

Ion Ratio Lower Upper

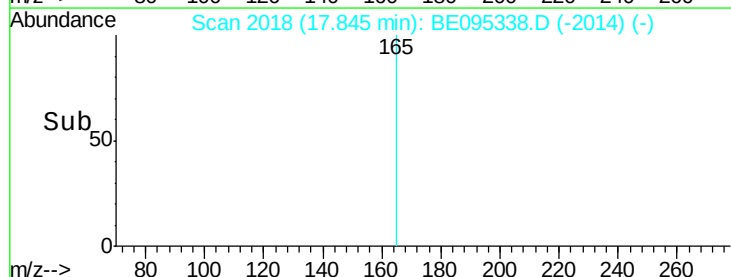
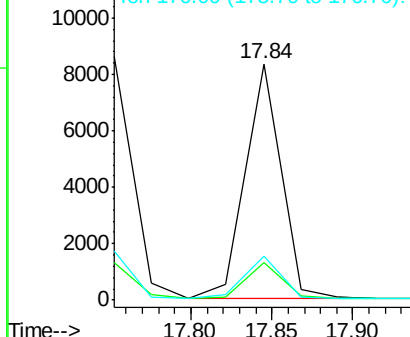
178 100

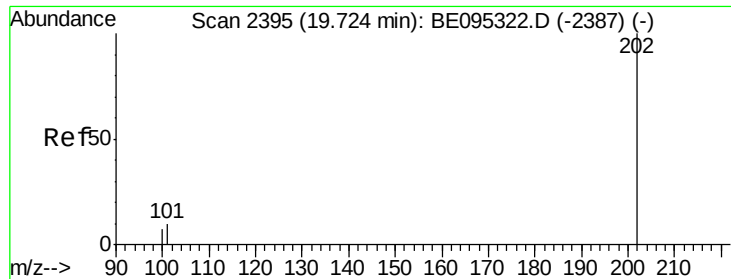
179 15.7 18.1 27.1#

176 18.6 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: 0.363 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.429

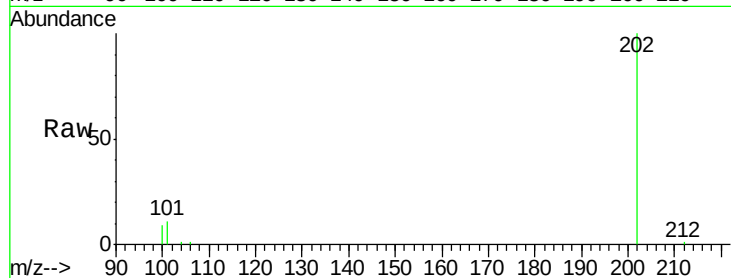
Tot Ion:202 Resp: 14809

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.3

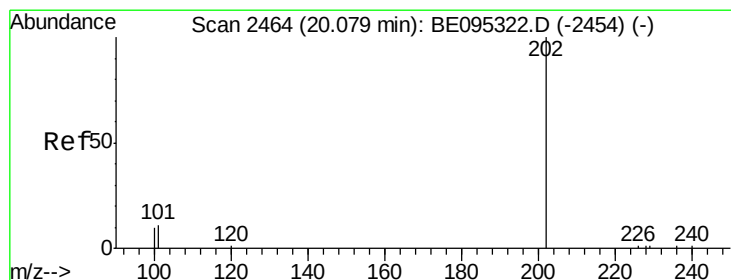
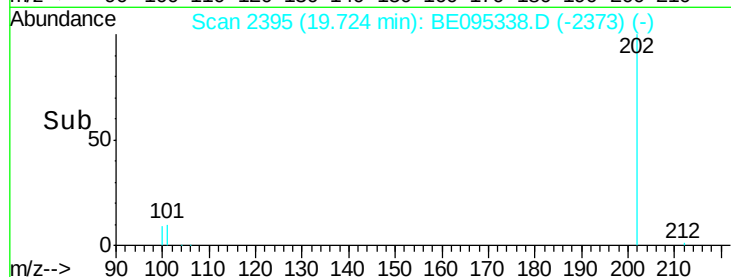
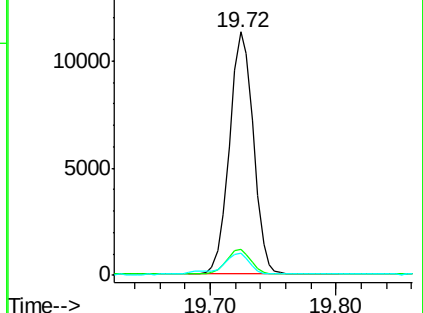
100 8.9 0.0 39.5



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: 0.484 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

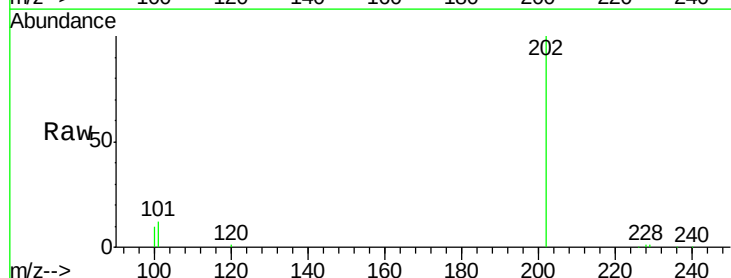
Tgt Ion:202 Resp: 16229

Ion Ratio Lower Upper

202 100

101 12.0 18.2 27.4#

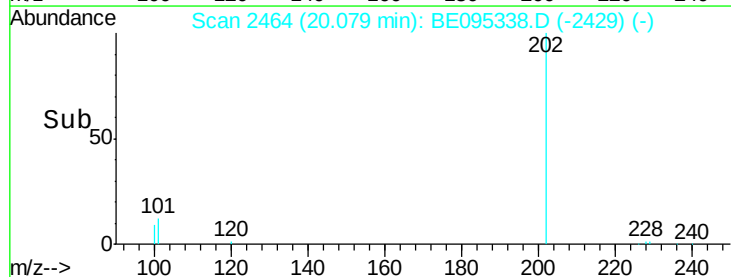
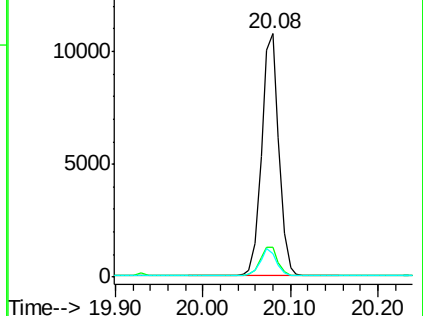
100 9.8 15.6 23.4#

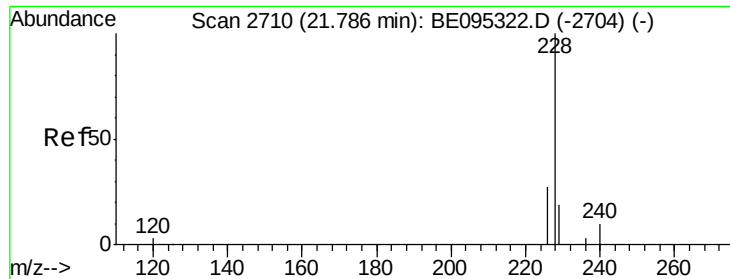


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.438 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.429

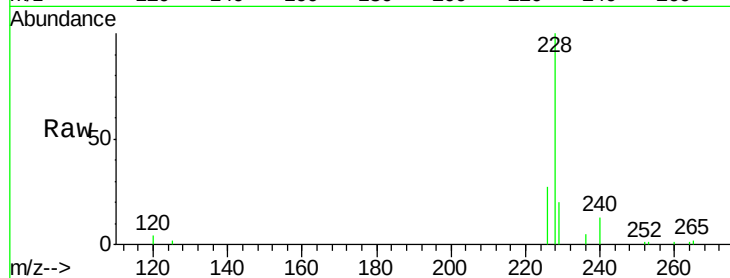
Tot Ion:228 Resp: 13689

Ion Ratio Lower Upper

228 100

229 20.1 22.8 34.2#

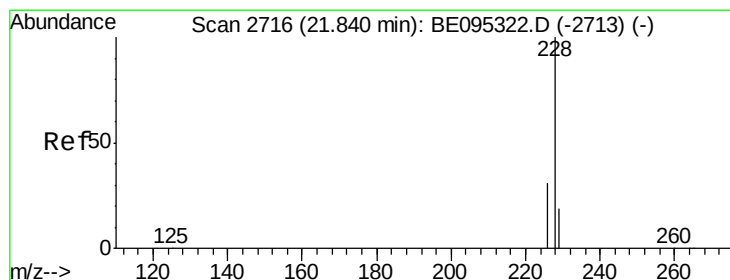
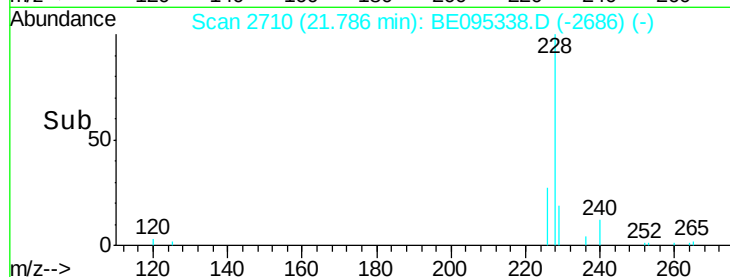
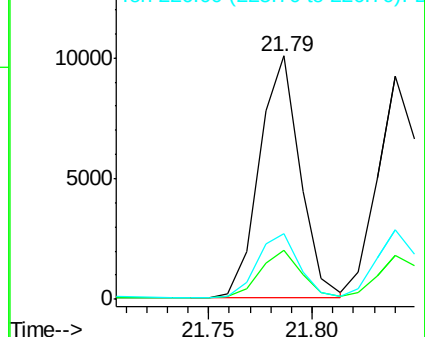
226 27.2 17.0 25.6#



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# 2716

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

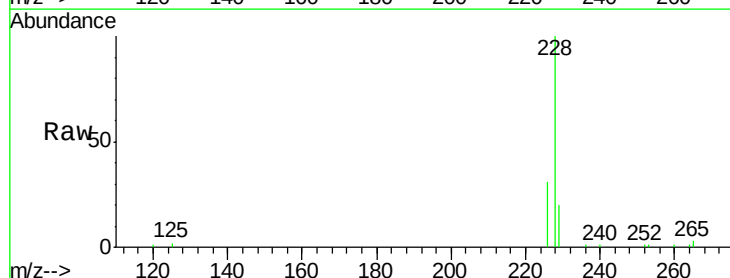
Tgt Ion:228 Resp: 13020

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.0

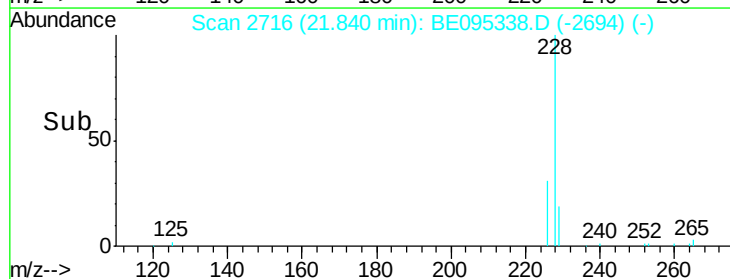
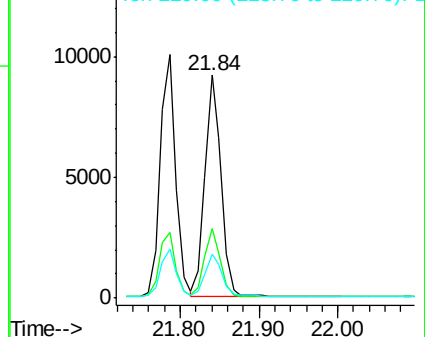
229 19.9 17.7 26.5

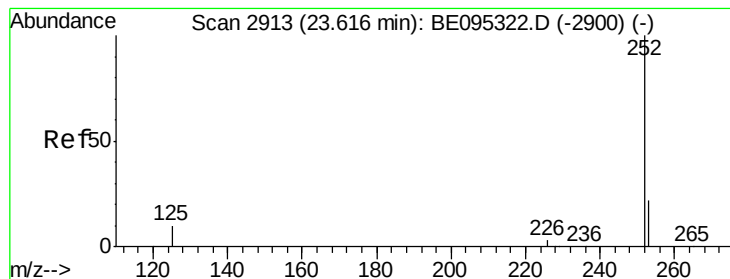


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.378 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.429

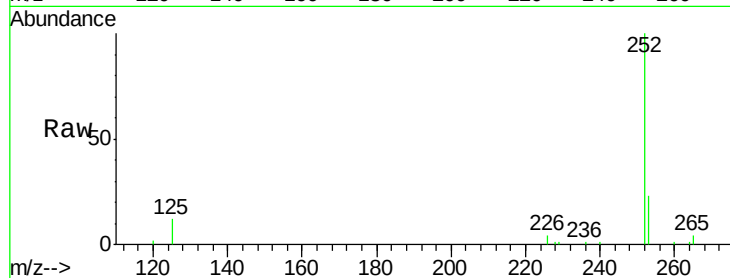
Tot Ion:252 Resp: 12797

Ion Ratio Lower Upper

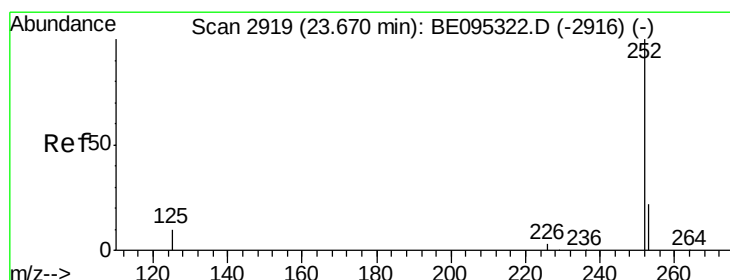
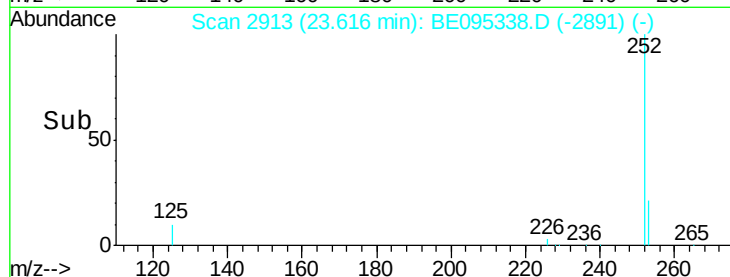
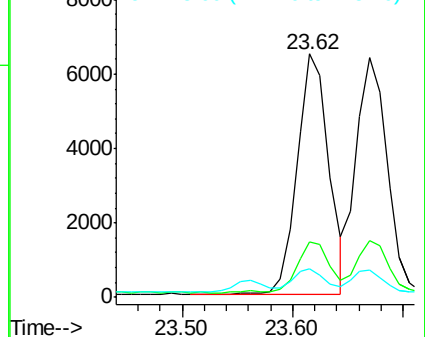
252 100

253 22.6 0.0 64.2

125 11.9 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: 0.402 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

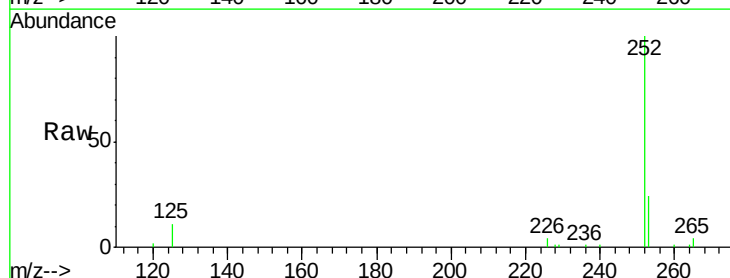
Tgt Ion:252 Resp: 12439

Ion Ratio Lower Upper

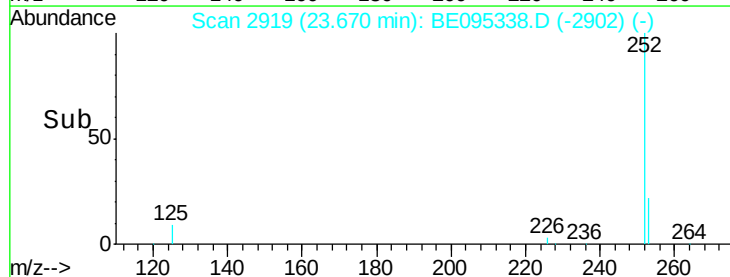
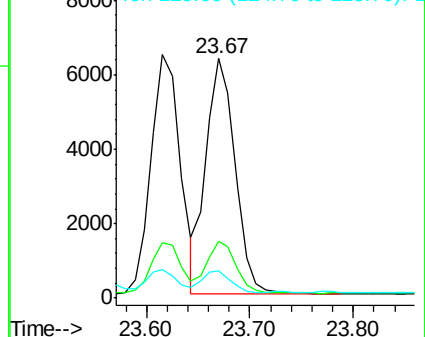
252 100

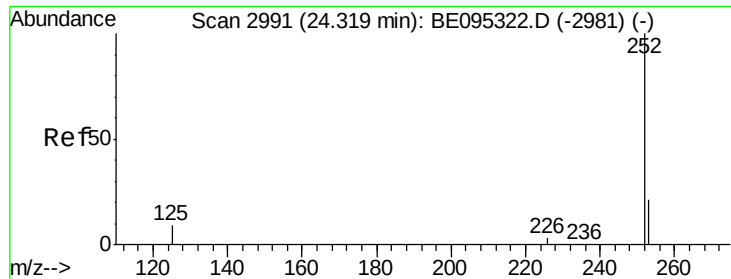
253 23.9 24.5 36.7#

125 11.3 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: 0.405 ng/ul

RT: 24.32 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.429

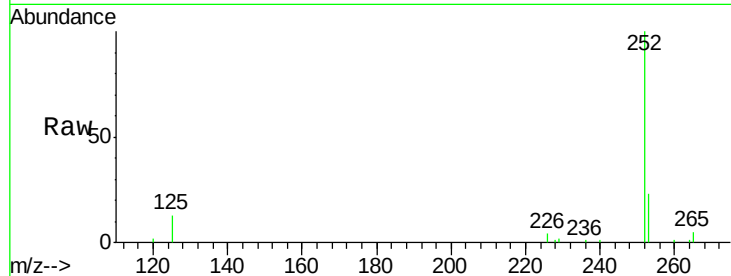
Tot Ion:252 Resp: 12240

Ion Ratio Lower Upper

252 100

253 23.5 28.5 42.7#

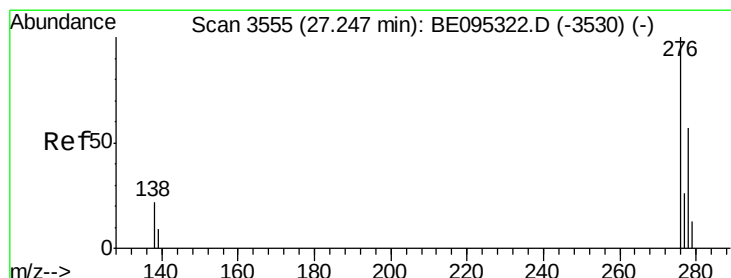
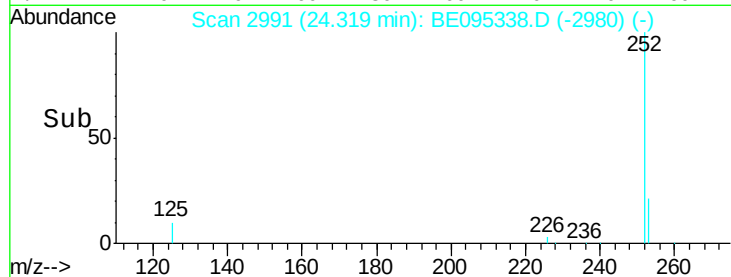
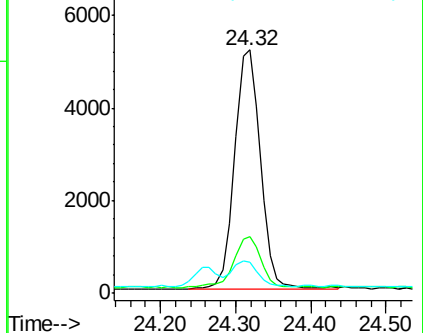
125 12.8 18.1 27.1#



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: 0.412 ng/ul

RT: 27.25 min Scan# 3555

Delta R.T. -0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

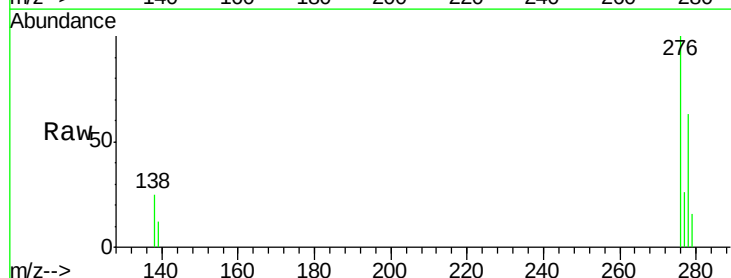
Tgt Ion:276 Resp: 13672

Ion Ratio Lower Upper

276 100

138 23.6 28.0 42.0#

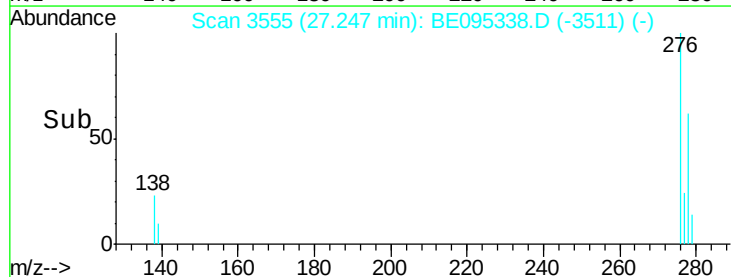
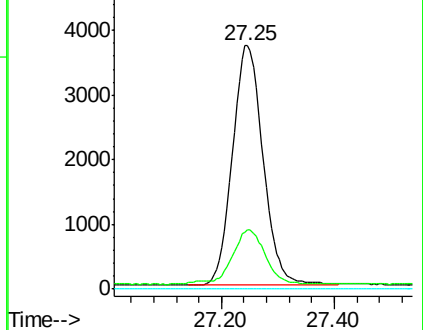
227 0.0 8.0 12.0#

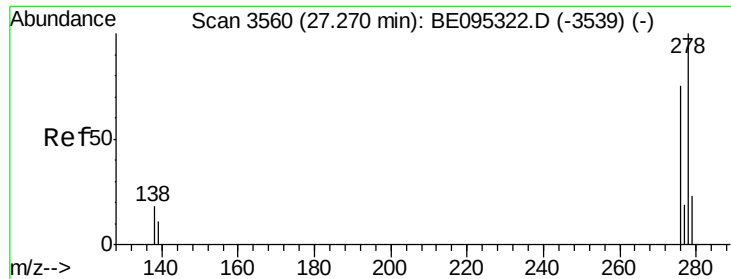


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.409 ng/ul

RT: 27.27 min Scan# 3559

Delta R.T. -0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Instrument :

BNA_E

ClientSampleId :

SSTD0.429

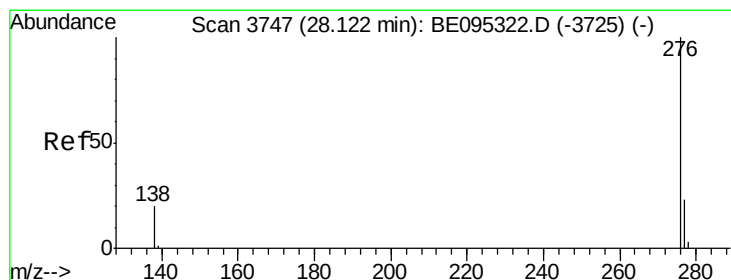
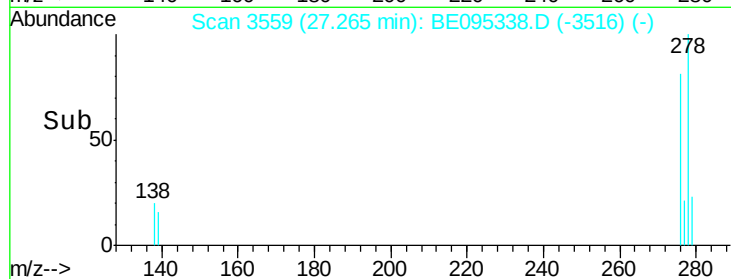
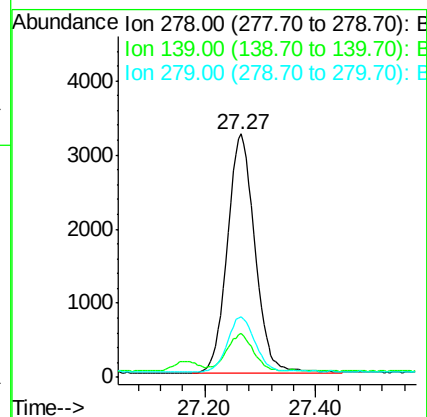
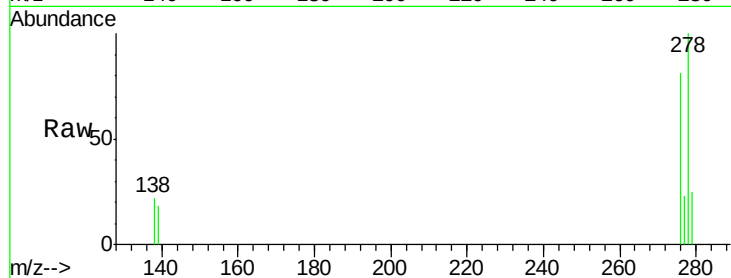
Tot Ion:278 Resp: 11093

Ion Ratio Lower Upper

278 100

139 18.2 17.4 26.0

279 24.6 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.407 ng/ul

RT: 28.12 min Scan# 3746

Delta R.T. -0.00 min

Lab File: BE095338.D

Acq: 1 Feb 2018 3:43

Tgt Ion:276 Resp: 11431

Ion Ratio Lower Upper

276 100

138 22.5 21.8 32.8

277 25.3 20.5 30.7

