

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013118\
 Data File : BE095322.D
 Acq On : 31 Jan 2018 18:11
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.428

Quant Time: Feb 01 04:01:39 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 08:16:13 2018
 Response via : Initial Calibration

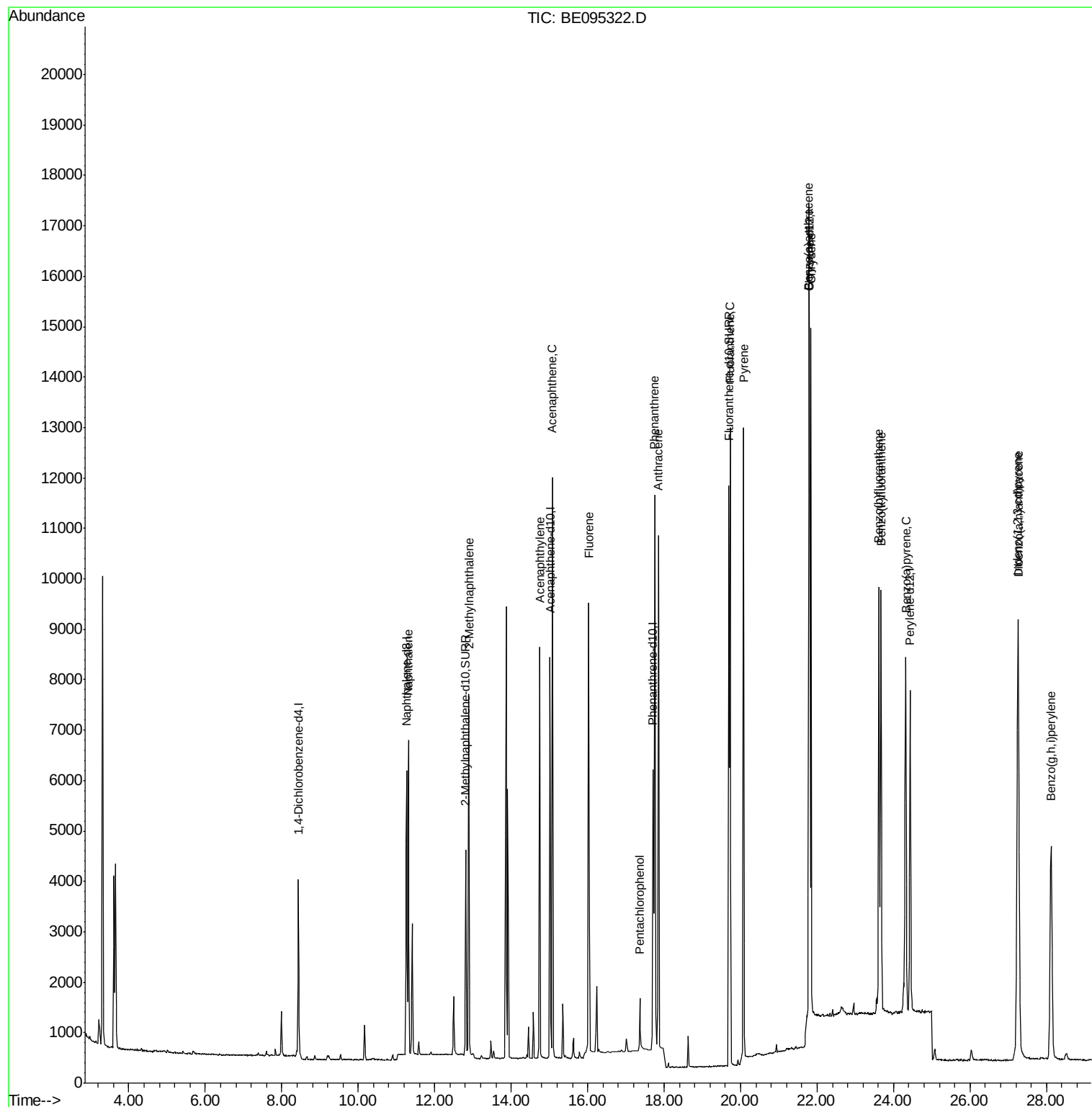
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2416	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7478	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4390	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	8975	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	9648	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	9423	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	5221	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	12636	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	8385	0.400	ng/ul#	89
5) 2-Methylnaphthalene	12.89	142	5993	0.429	ng/ul	99
7) Acenaphthylene	14.75	152	9085	0.430	ng/ul	96
8) Acenaphthene	15.08	153	6582	0.402	ng/ul	94
9) Fluorene	16.02	166	6958	0.412	ng/ul#	76
11) Pentachlorophenol	17.36	266	765	0.440	ng/ul	96
12) Phenanthrene	17.75	178	12412	0.411	ng/ul#	87
13) Anthracene	17.84	178	11717	0.424	ng/ul#	93
15) Fluoranthene	19.72	202	14169	0.363	ng/ul	84
17) Pyrene	20.08	202	15553	0.480	ng/ul#	78
18) Benzo(a)anthracene	21.79	228	13336	0.442	ng/ul#	85
19) Chrysene	21.84	228	12625	0.403	ng/ul	96
21) Benzo(b)fluoranthene	23.62	252	12281	0.369	ng/ul	86
22) Benzo(k)fluoranthene	23.67	252	12091	0.398	ng/ul#	88
23) Benzo(a)pyrene	24.32	252	11898	0.401	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.25	276	13338	0.410	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.27	278	10814	0.406	ng/ul#	89
26) Benzo(g,h,i)perylene	28.12	276	11182	0.406	ng/ul	95

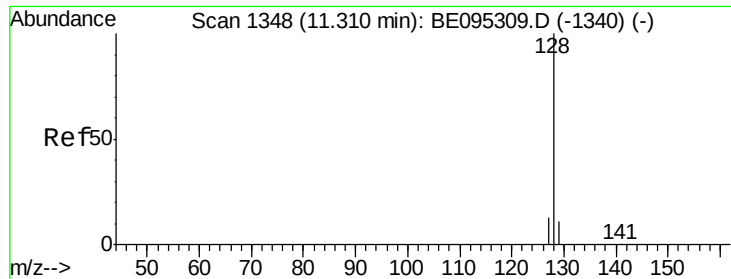
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
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#3

Naphthalene

Concen: 0.400 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.428

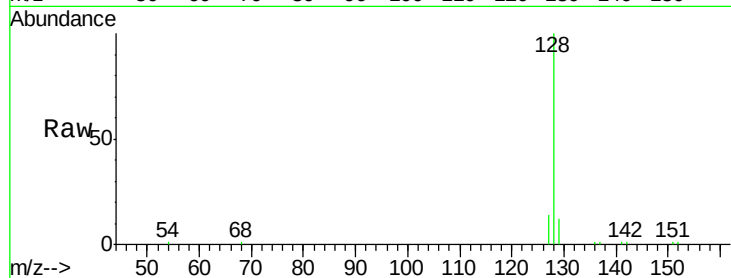
Tot Ion:128 Resp: 8385

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

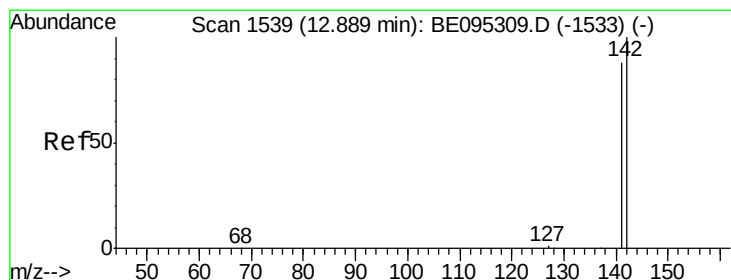
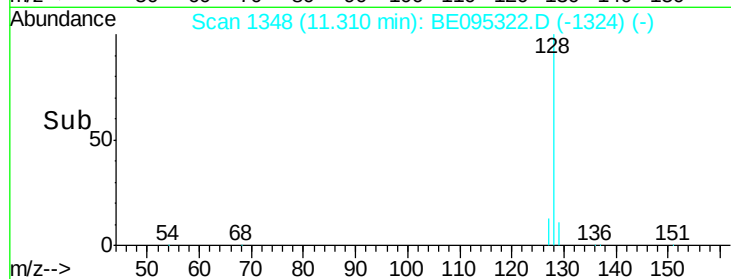
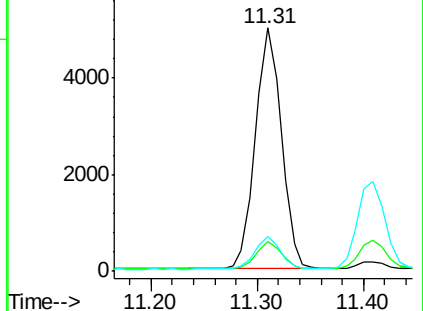
127 14.1 4.0 6.0#



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: 0.429 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE095322.D

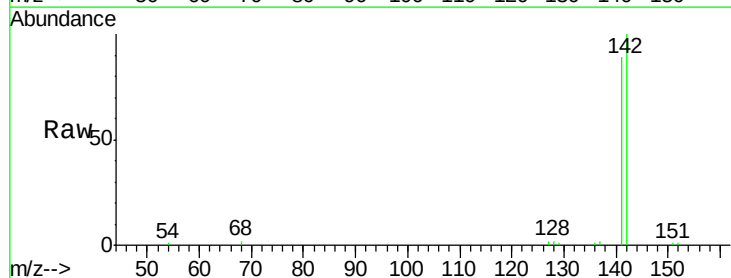
Acq: 31 Jan 2018 18:11

Tgt Ion:142 Resp: 5993

Ion Ratio Lower Upper

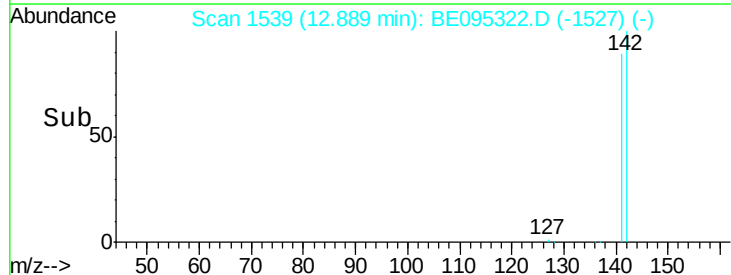
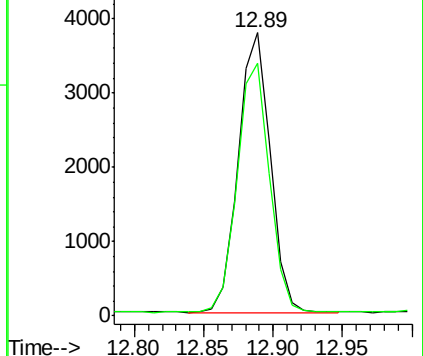
142 100

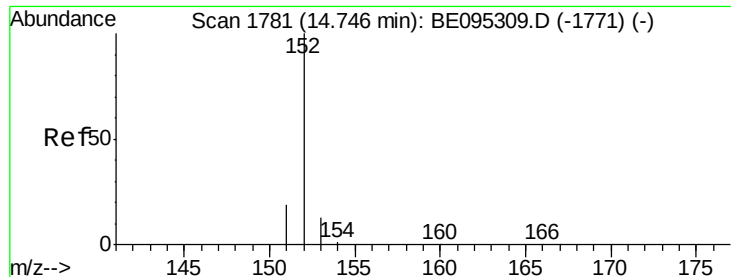
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.430 ng/ul

RT: 14.75 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.428

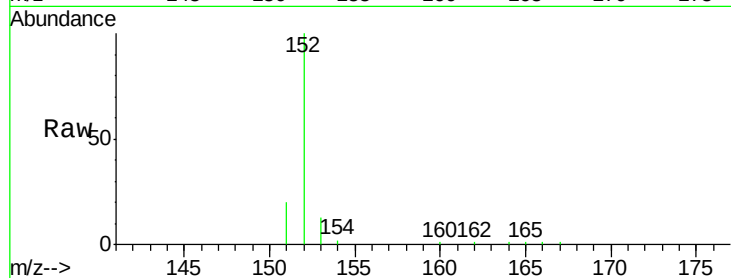
Tot Ion:152 Resp: 9085

Ion Ratio Lower Upper

152 100

151 20.3 17.1 25.7

153 13.0 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

14.75

6000

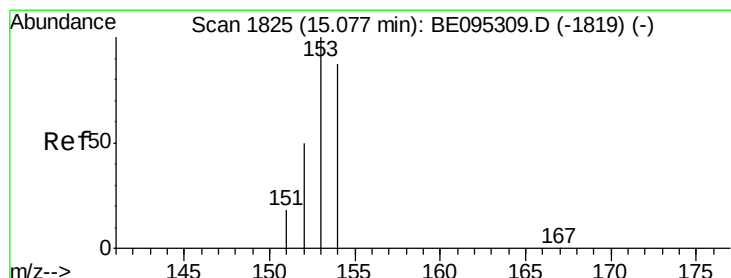
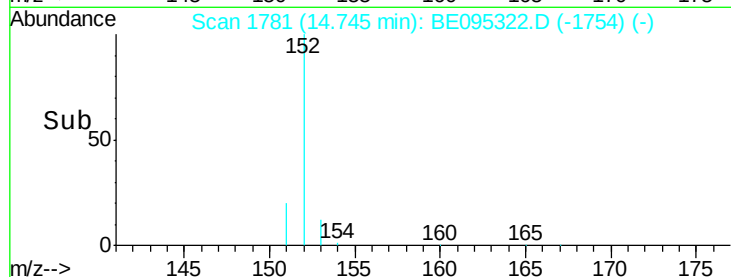
4000

2000

0

Time-->

14.60 14.70 14.80 14.90



#8

Acenaphthene

Concen: 0.402 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

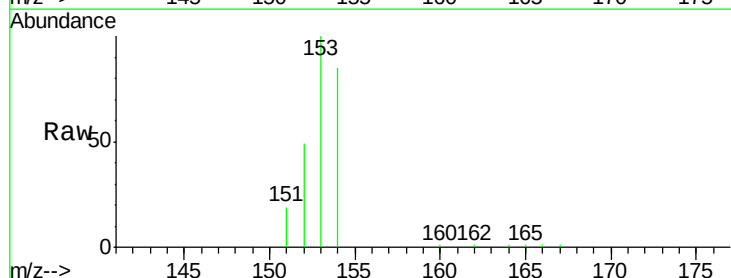
Tgt Ion:153 Resp: 6582

Ion Ratio Lower Upper

153 100

152 49.4 36.0 54.0

154 84.8 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

15.08

6000

5000

4000

3000

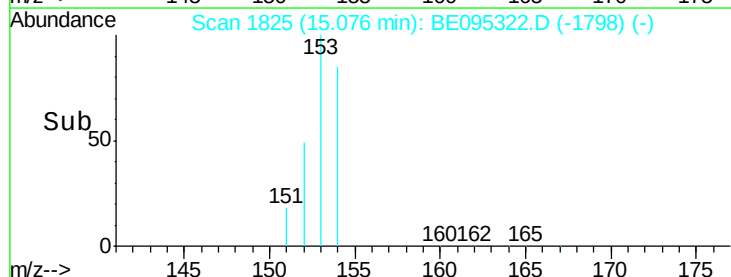
2000

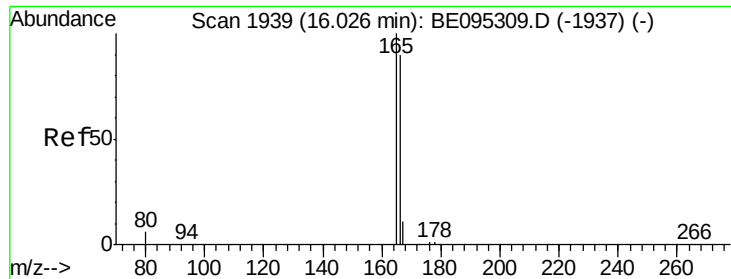
1000

0

Time-->

15.00 15.10 15.20





#9

Fluorene

Concen: 0.412 ng/ul

RT: 16.02 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.428

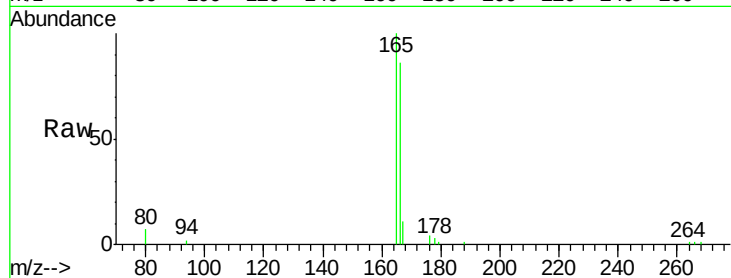
Tot Ion:166 Resp: 6958

Ion Ratio Lower Upper

166 100

165 116.5 73.4 110.2#

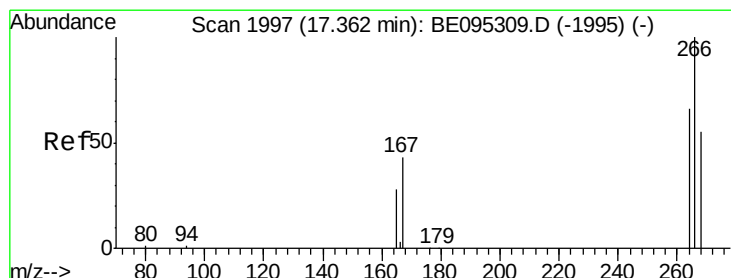
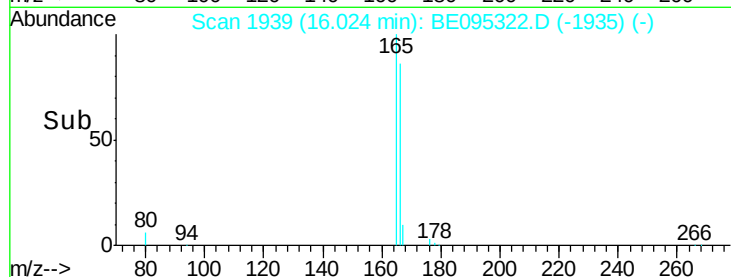
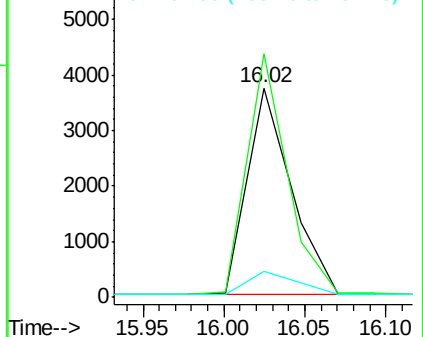
167 12.6 14.6 22.0#



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: 0.440 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

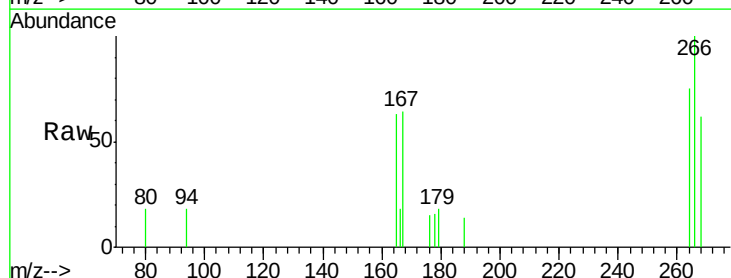
Tgt Ion:266 Resp: 765

Ion Ratio Lower Upper

266 100

264 64.7 47.9 71.9

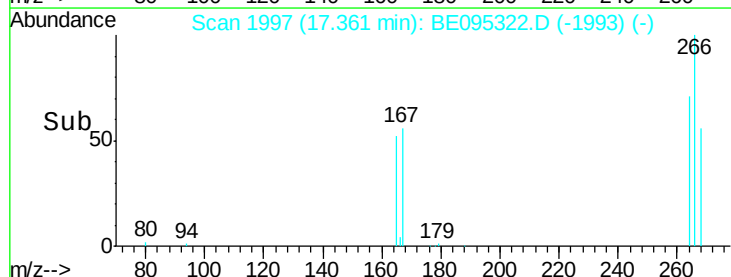
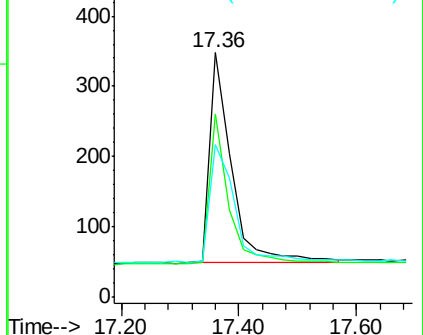
268 63.7 49.8 74.8

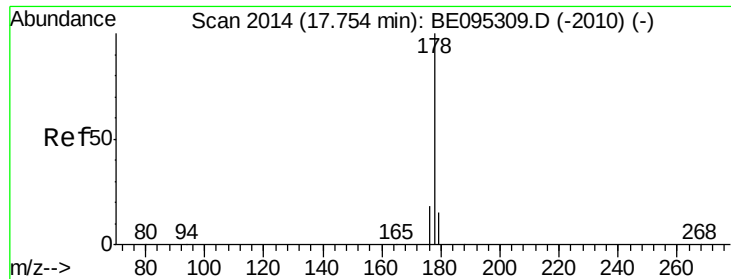


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.411 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.428

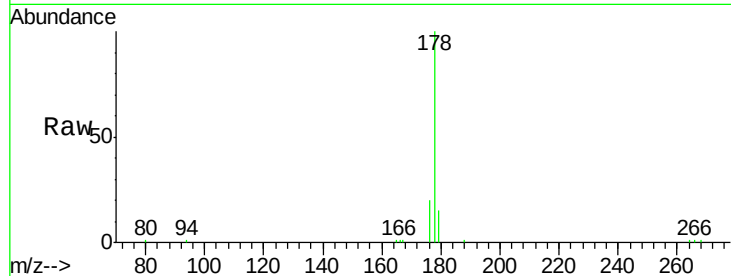
Tot Ion:178 Resp: 12412

Ion Ratio Lower Upper

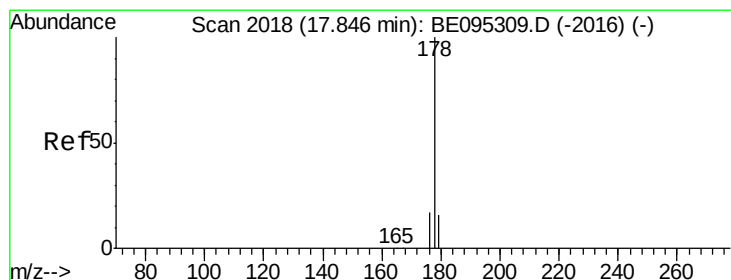
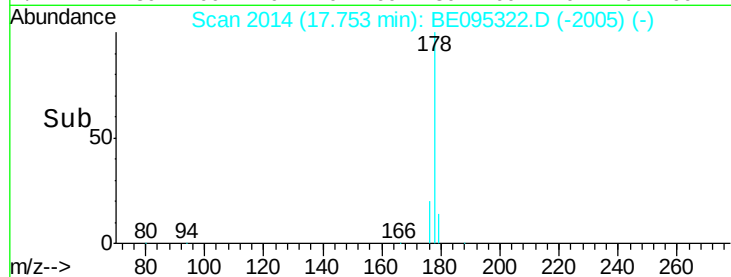
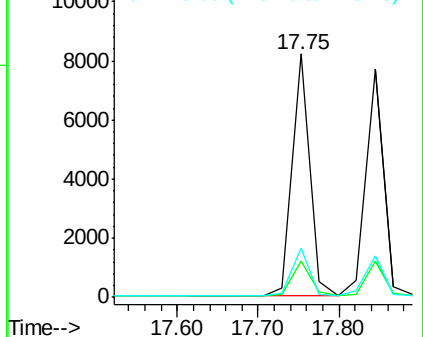
178 100

179 15.1 18.4 27.6#

176 20.2 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: 0.424 ng/ul

RT: 17.84 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

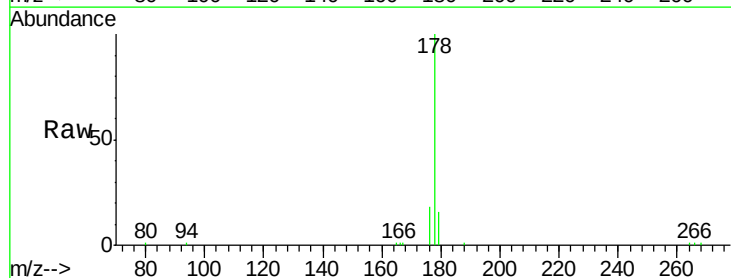
Tgt Ion:178 Resp: 11717

Ion Ratio Lower Upper

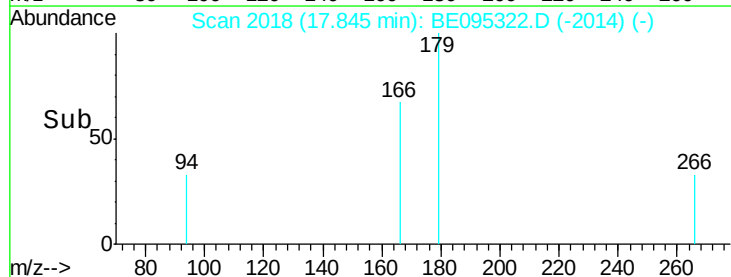
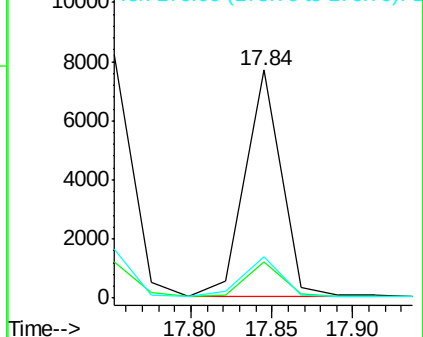
178 100

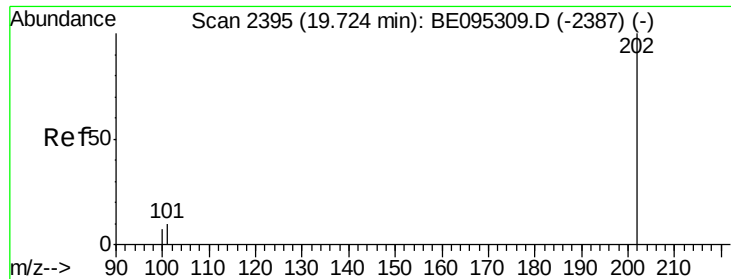
179 16.2 18.1 27.1#

176 18.3 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: BE095322.D

Acq: 31 Jan 2018 18:11

Instrument :

BNA_E

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SSTD0.428

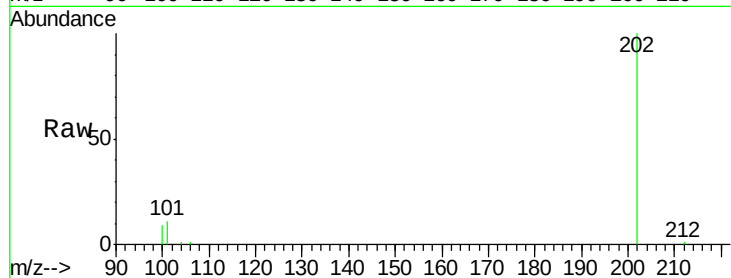
Tot Ion:202 Resp: 14169

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

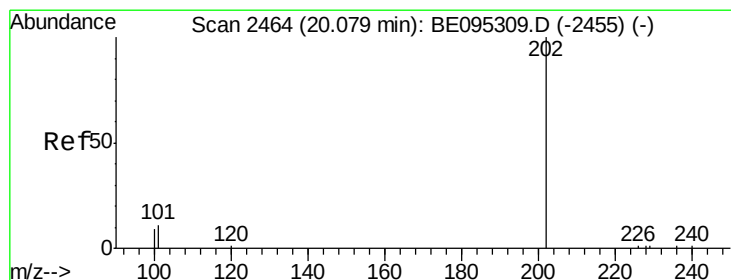
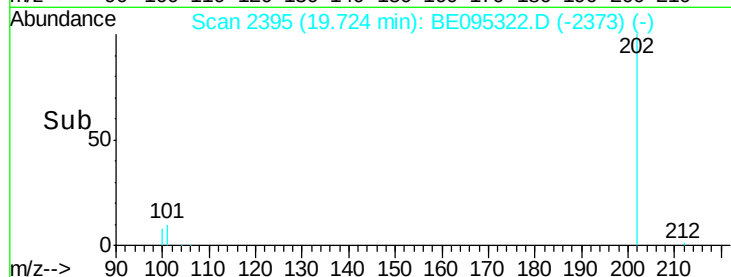
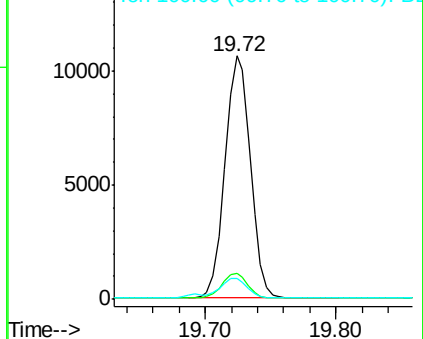
100 8.8 0.0 39.5



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: 0.480 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

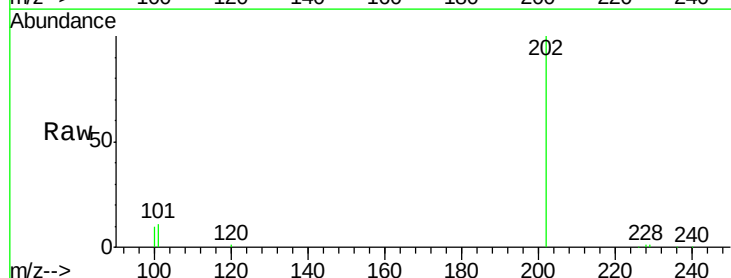
Tgt Ion:202 Resp: 15553

Ion Ratio Lower Upper

202 100

101 11.3 18.2 27.4#

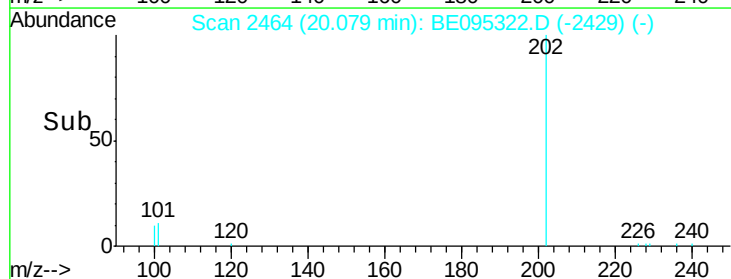
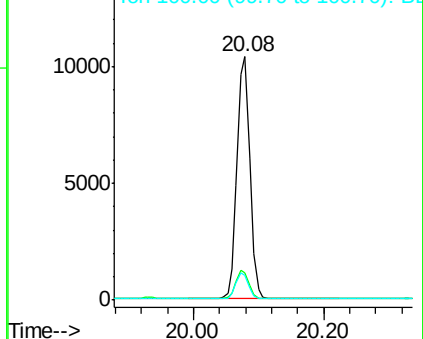
100 10.1 15.6 23.4#

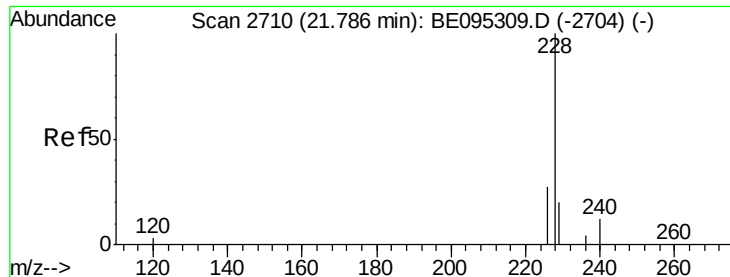


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.442 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

Instrument :

BNA_E

ClientSampleId :

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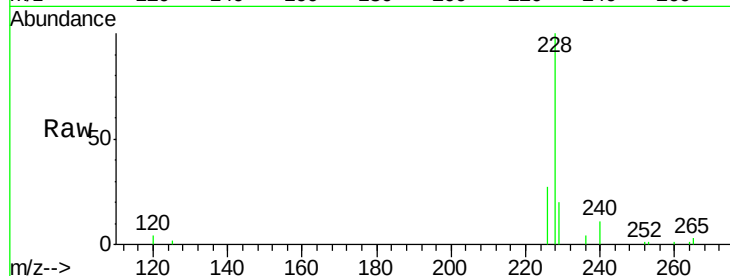
Tot Ion:228 Resp: 13336

Ion Ratio Lower Upper

228 100

229 20.2 22.8 34.2#

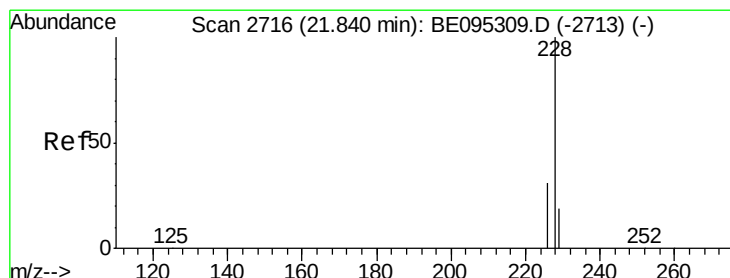
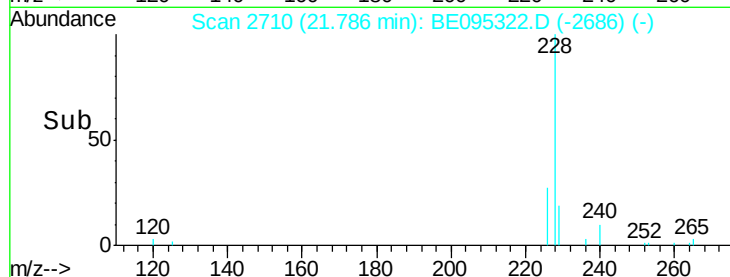
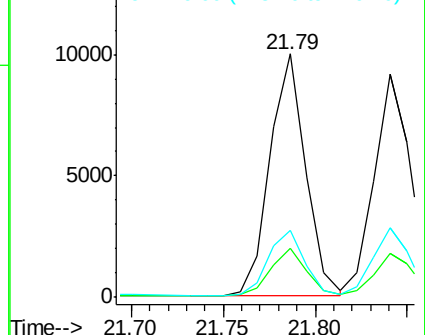
226 27.4 17.0 25.6#



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: BE095322.D

Acq: 31 Jan 2018 18:11

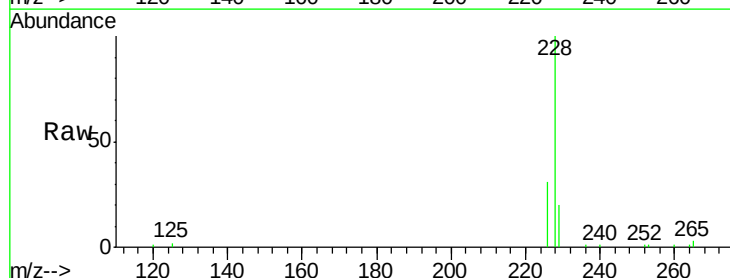
Tgt Ion:228 Resp: 12625

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

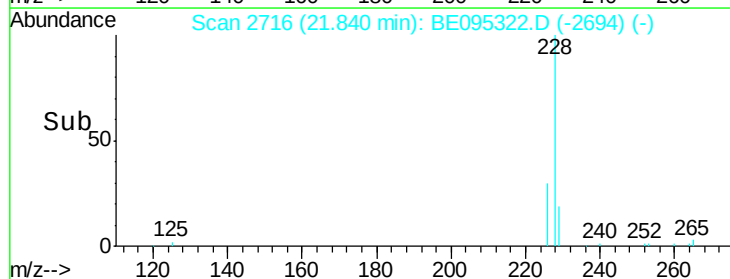
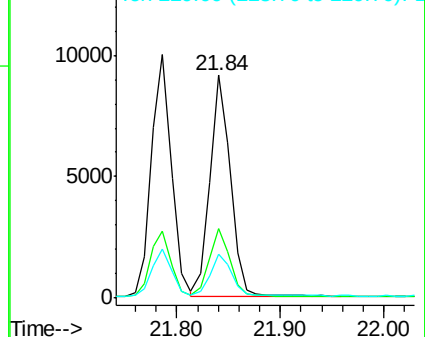
229 19.9 17.7 26.5

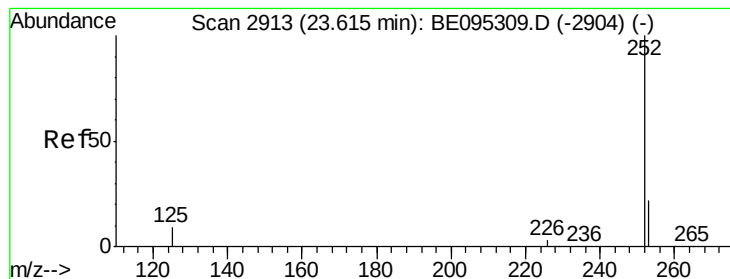


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.369 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.428

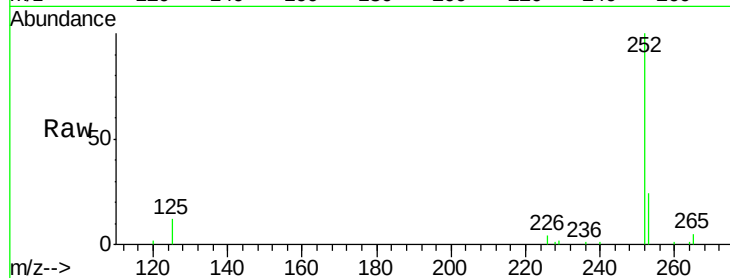
Tot Ion:252 Resp: 12281

Ion Ratio Lower Upper

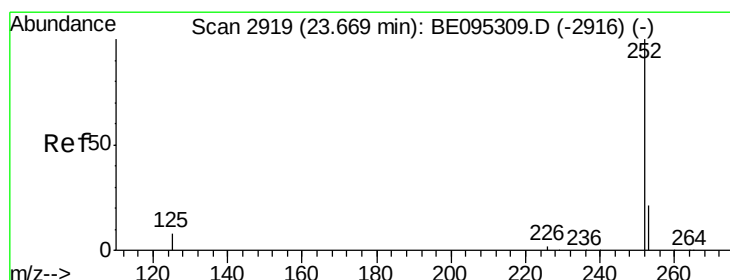
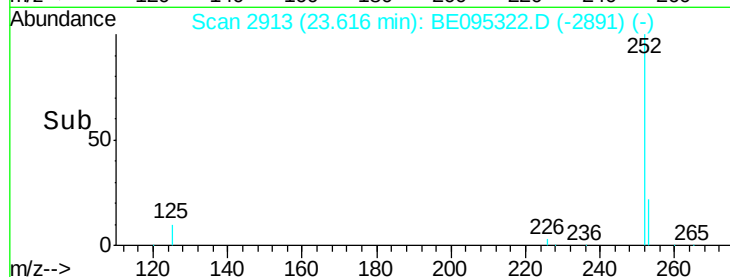
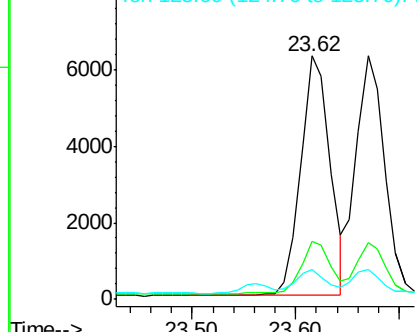
252 100

253 23.6 0.0 64.2

125 12.2 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: 0.398 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

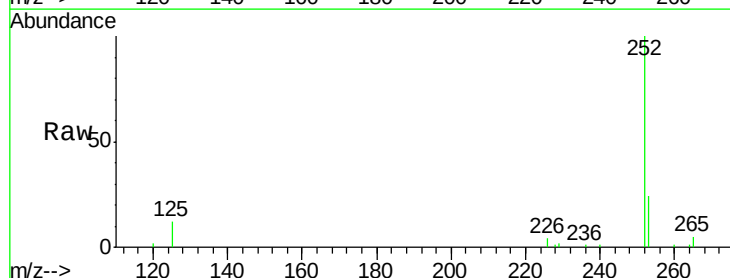
Tgt Ion:252 Resp: 12091

Ion Ratio Lower Upper

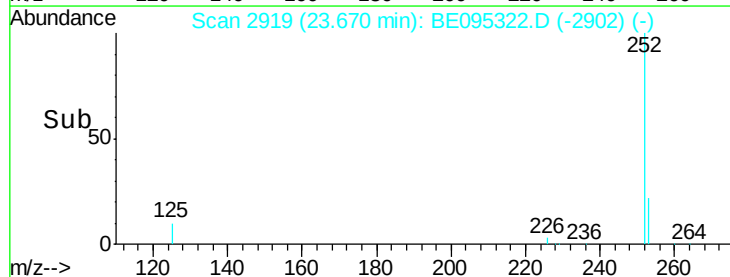
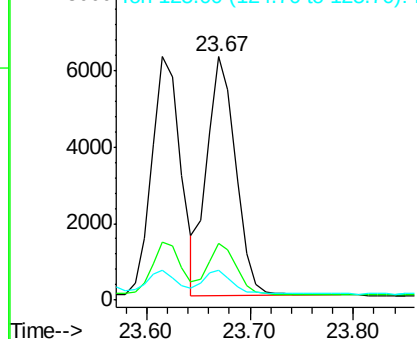
252 100

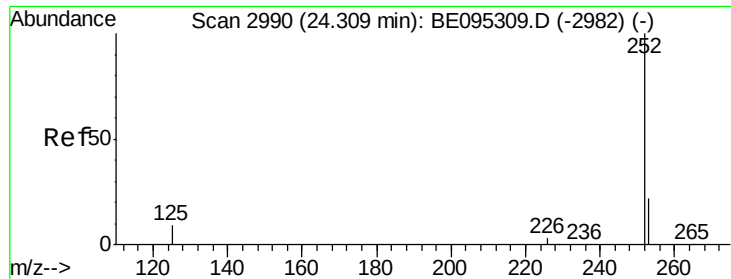
253 23.5 24.5 36.7#

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: 0.401 ng/ul

RT: 24.32 min Scan# 2991

Delta R.T. 0.01 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.428

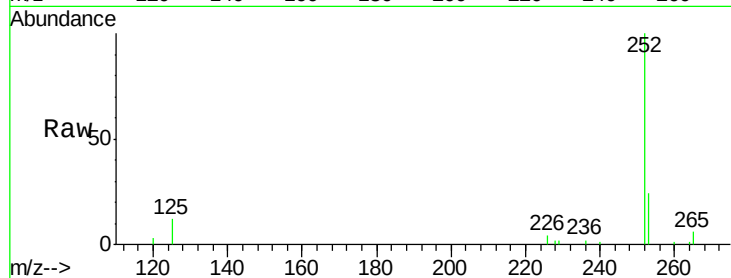
Tot Ion:252 Resp: 11898

Ion Ratio Lower Upper

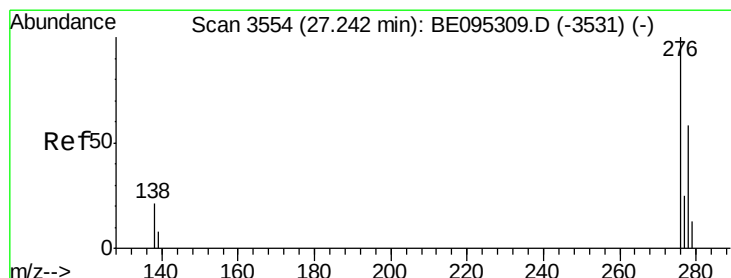
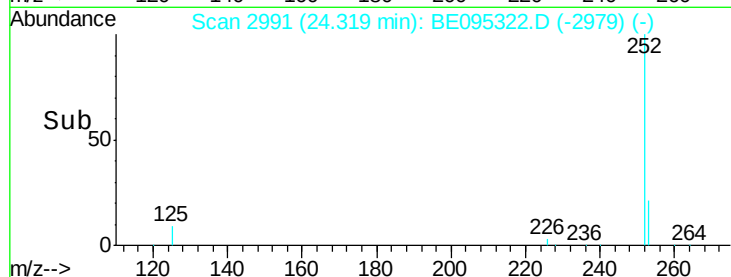
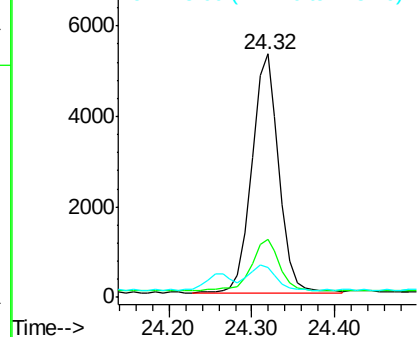
252 100

253 23.7 28.5 42.7#

125 12.1 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: 0.410 ng/ul

RT: 27.25 min Scan# 3555

Delta R.T. 0.00 min

Lab File: BE095322.D

Acq: 31 Jan 2018 18:11

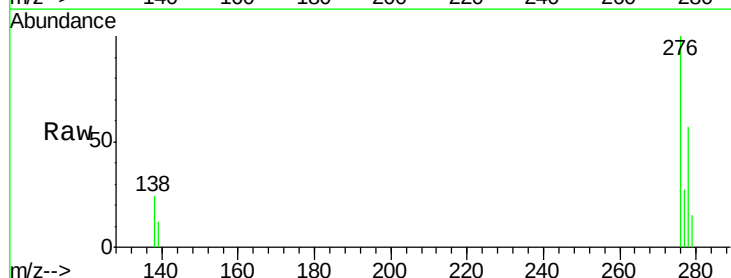
Tgt Ion:276 Resp: 13338

Ion Ratio Lower Upper

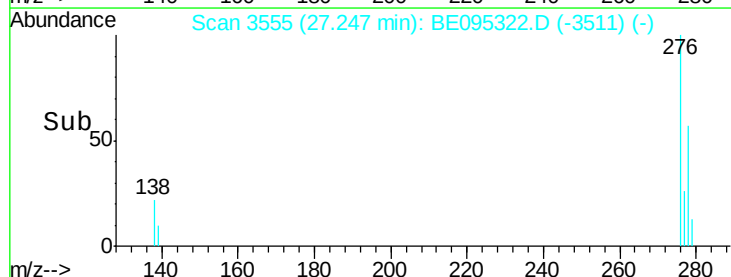
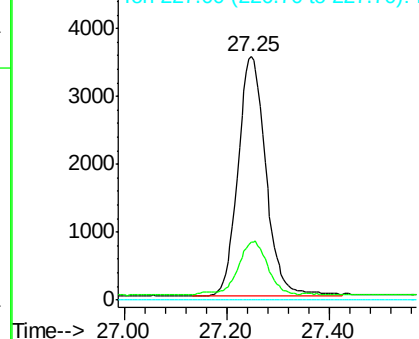
276 100

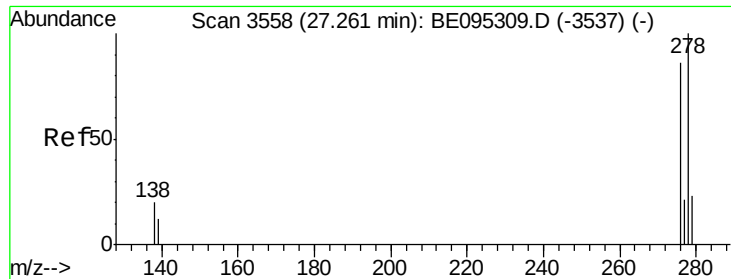
138 23.0 28.0 42.0#

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

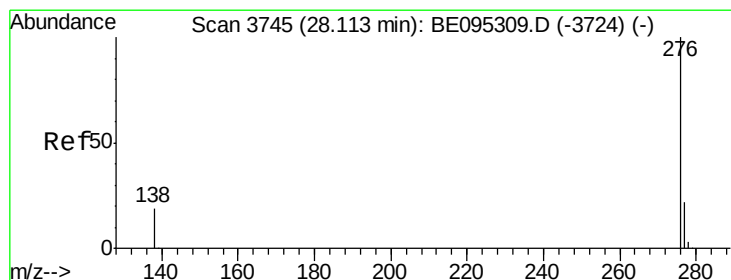
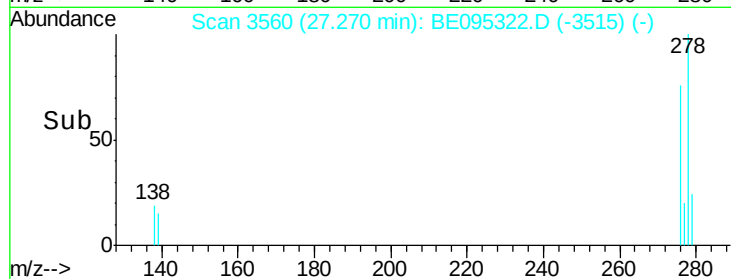
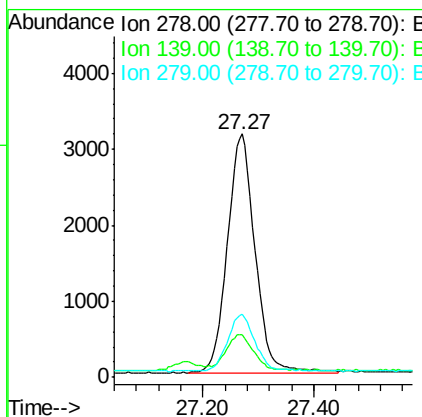
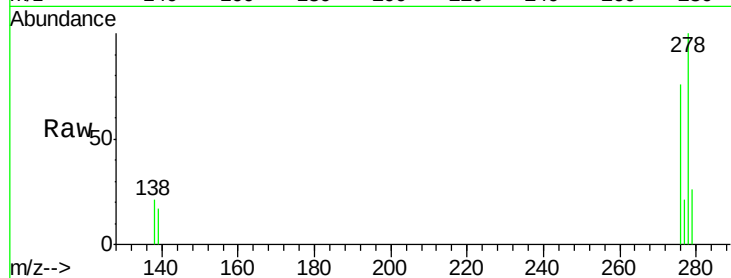




#25
Dibenzo(a,h)anthracene
Concen: 0.406 ng/ul
RT: 27.27 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE095322.D
Acq: 31 Jan 2018 18:11

Instrument :
BNA_E
ClientSampleId :
SSTD0.428

Tot Ion:278 Resp: 10814
Ion Ratio Lower Upper
278 100
139 17.3 17.4 26.0#
279 25.8 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.406 ng/ul
RT: 28.12 min Scan# 3747
Delta R.T. 0.00 min
Lab File: BE095322.D
Acq: 31 Jan 2018 18:11

Tgt Ion:276 Resp: 11182
Ion Ratio Lower Upper
276 100
138 22.1 21.8 32.8
277 25.2 20.5 30.7

