

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020218\
 Data File : BE095426.D
 Acq On : 3 Feb 2018 8:26
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 05 01:12:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 03 05:26:35 2018
 Response via : Initial Calibration

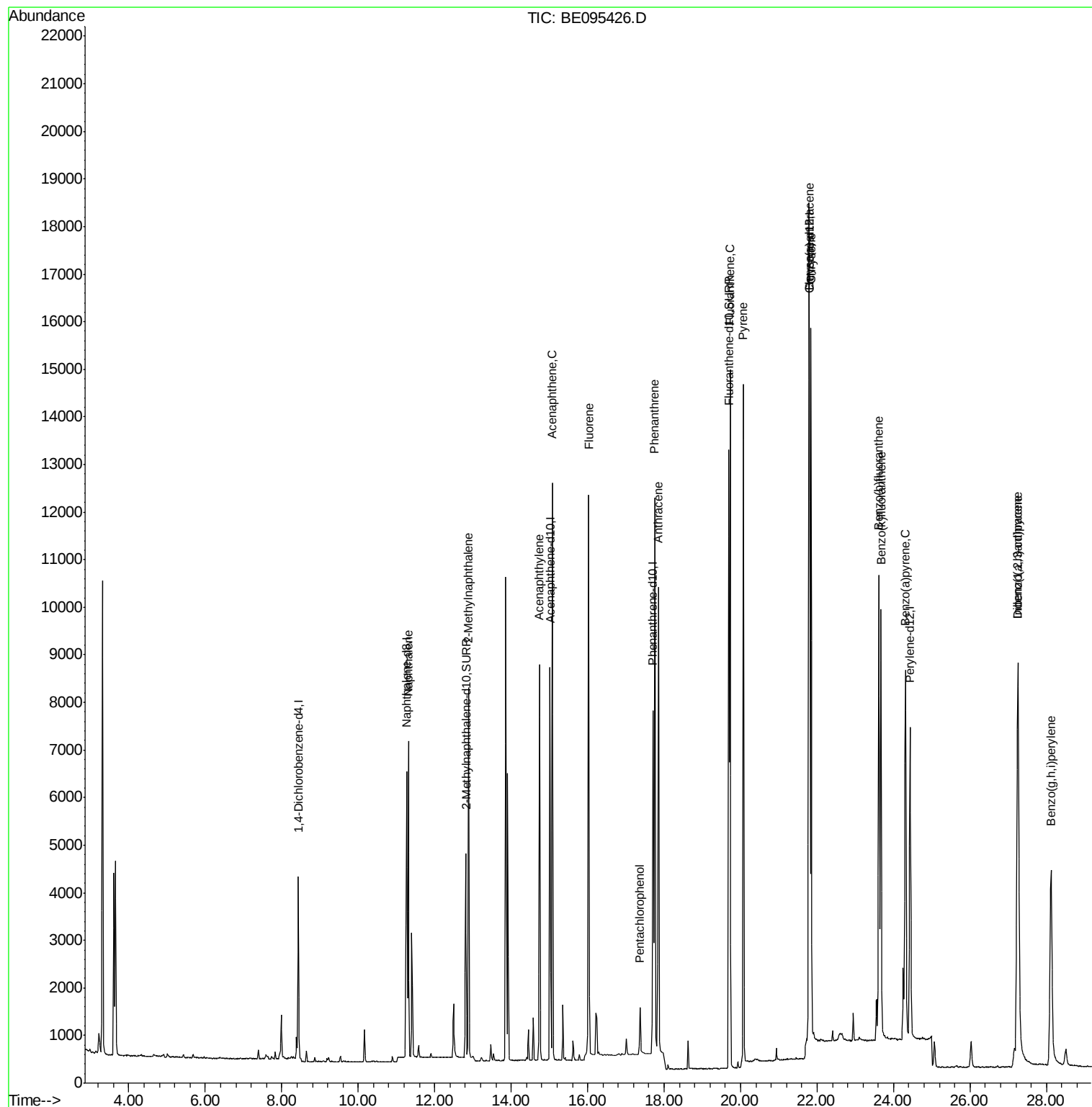
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2600	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	8140	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4639	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	10282	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	11012	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	10309	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	5509	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	14005	0.36	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.31	128	9088	0.399	ng/ul#	89
5) 2-Methylnaphthalene	12.88	142	6326	0.416	ng/ul	100
7) Acenaphthylene	14.74	152	9484	0.425	ng/ul	97
8) Acenaphthene	15.08	153	7005	0.405	ng/ul	97
9) Fluorene	16.03	166	8207	0.460	ng/ul#	86
11) Pentachlorophenol	17.36	266	715	0.359	ng/ul	98
12) Phenanthrene	17.75	178	13507	0.391	ng/ul#	90
13) Anthracene	17.85	178	12188	0.385	ng/ul#	93
15) Fluoranthene	19.72	202	15861	0.354	ng/ul	83
17) Pyrene	20.07	202	17491	0.473	ng/ul#	80
18) Benzo(a)anthracene	21.79	228	14794	0.430	ng/ul#	87
19) Chrysene	21.84	228	14267	0.399	ng/ul	97
21) Benzo(b)fluoranthene	23.62	252	14253	0.392	ng/ul	82
22) Benzo(k)fluoranthene	23.67	252	13252	0.398	ng/ul#	85
23) Benzo(a)pyrene	24.31	252	13267	0.409	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	27.24	276	14020	0.394	ng/ul#	77
25) Dibenzo(a,h)anthracene	27.26	278	11184	0.384	ng/ul	91
26) Benzo(g,h,i)perylene	28.12	276	11775	0.390	ng/ul#	94

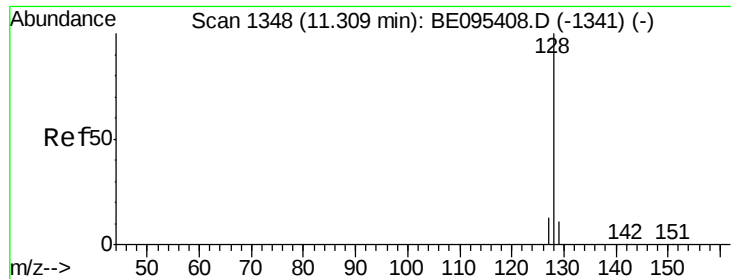
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.399 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

Instrument :

BNA_E

ClientSampleId :

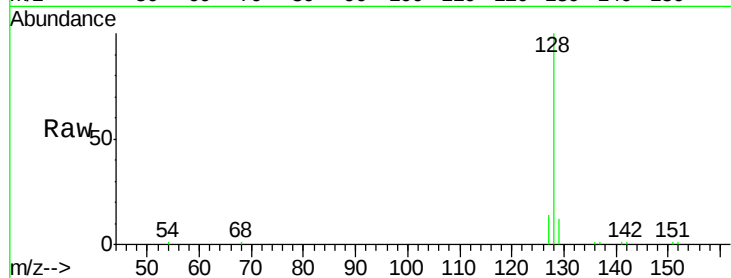
Tot Ion:128 Resp: 9088

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

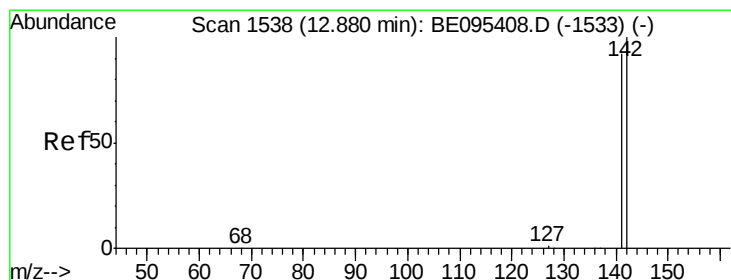
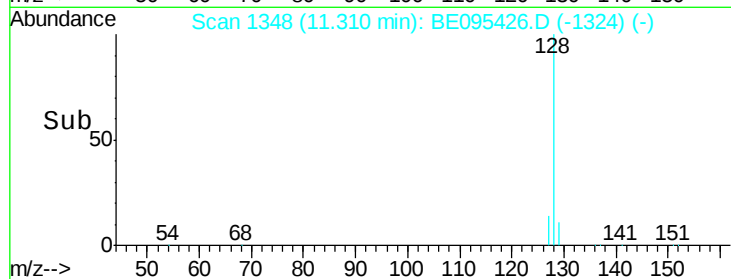
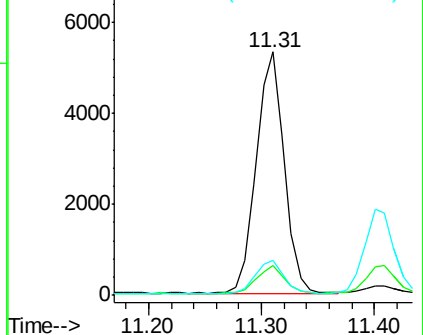
127 14.3 4.0 6.0#



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: 0.416 ng/ul

RT: 12.88 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BE095426.D

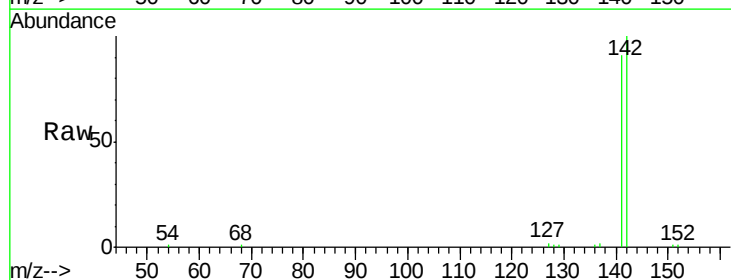
Acq: 3 Feb 2018 8:26

Tgt Ion:142 Resp: 6326

Ion Ratio Lower Upper

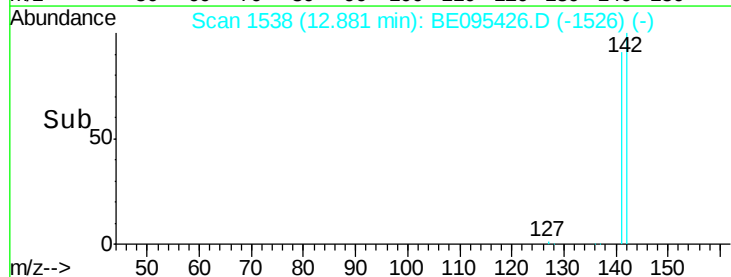
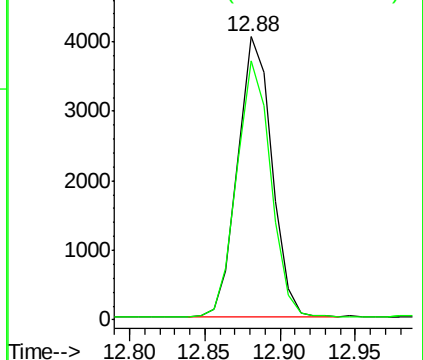
142 100

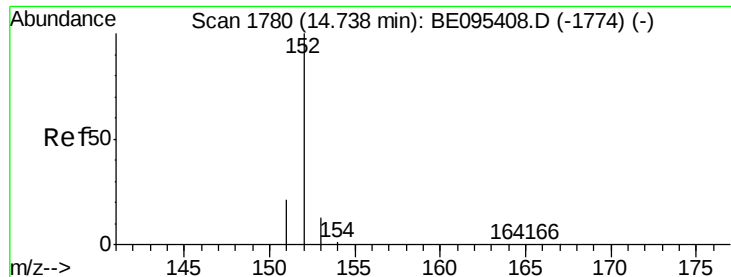
141 90.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.425 ng/ul

RT: 14.74 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

Instrument :

BNA_E

ClientSampleId :

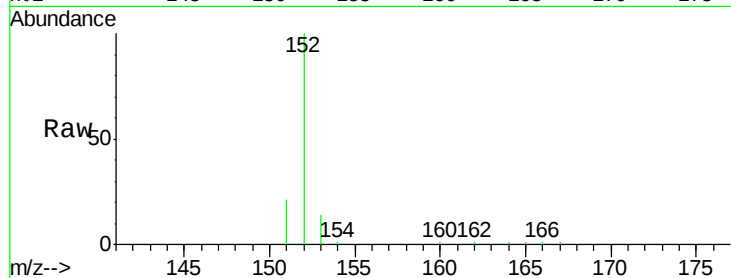
Tot Ion:152 Resp: 9484

Ion Ratio Lower Upper

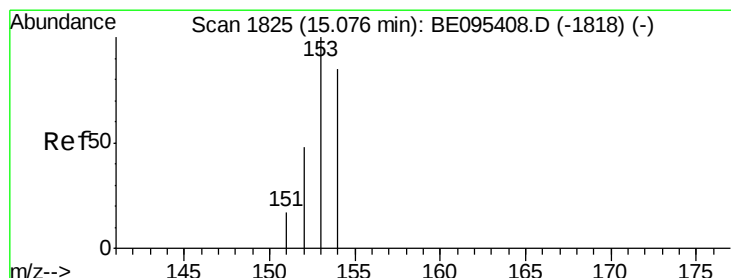
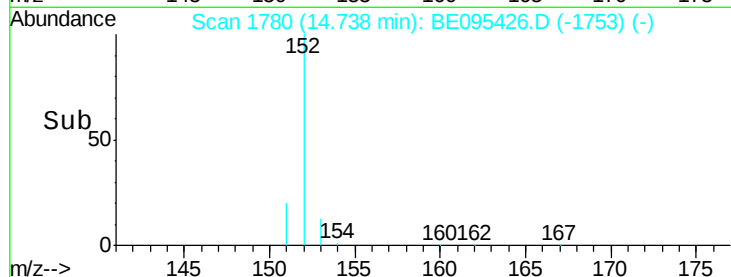
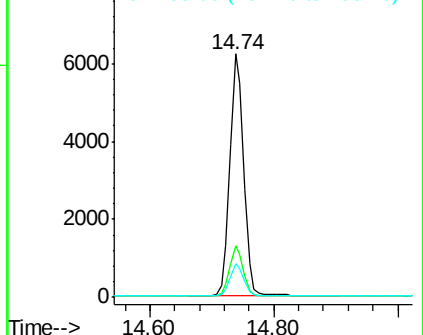
152 100

151 21.0 17.1 25.7

153 13.6 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: 0.405 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

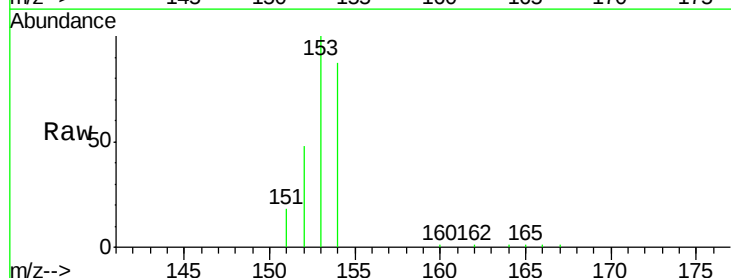
Tgt Ion:153 Resp: 7005

Ion Ratio Lower Upper

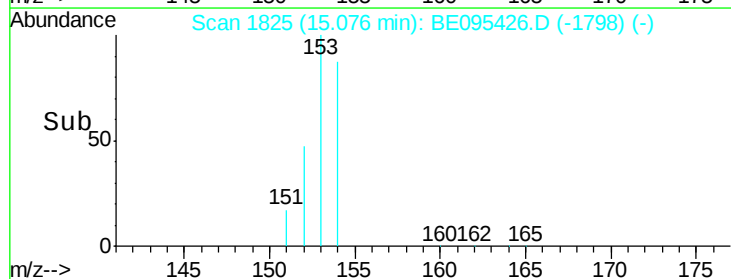
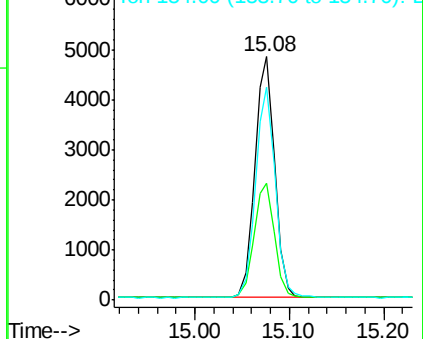
153 100

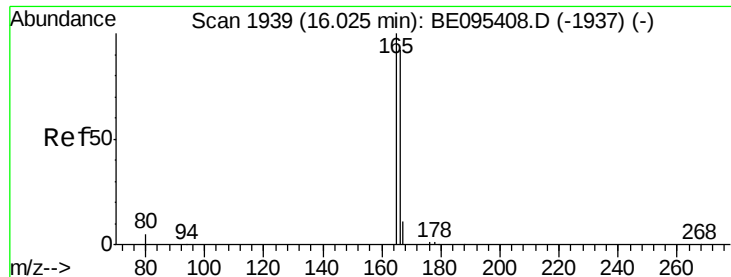
152 48.0 36.0 54.0

154 87.3 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

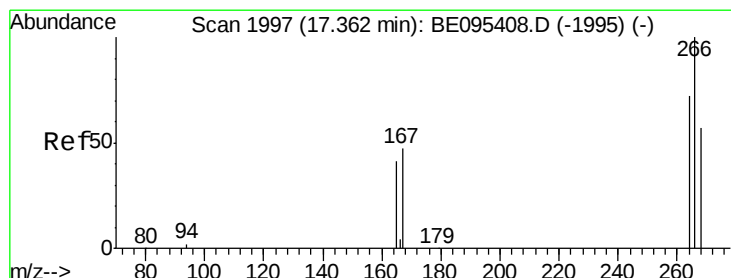
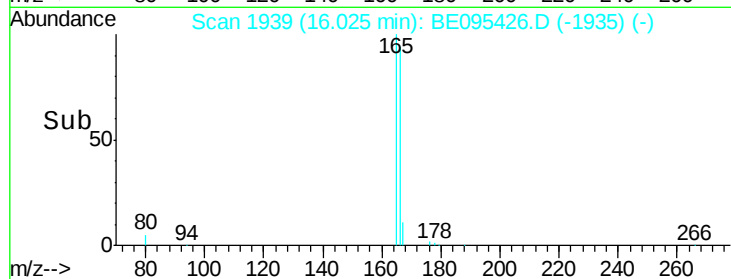
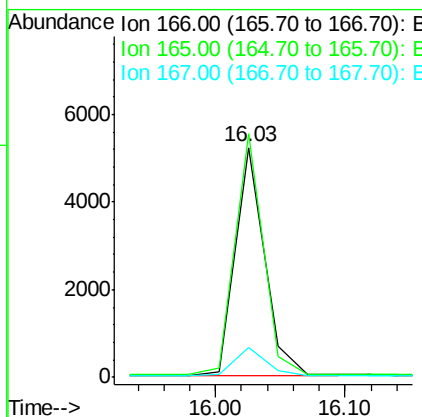
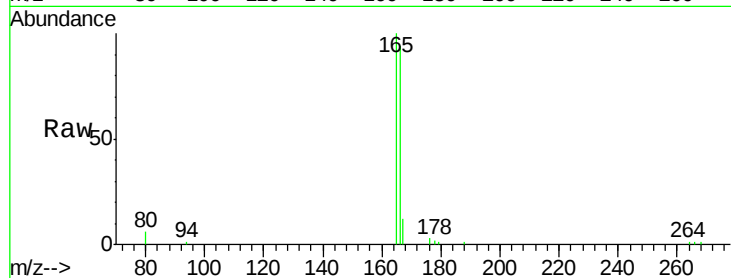




#9
Fluorene
 Concen: 0.460 ng/ul
 RT: 16.03 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: BE095426.D
 Acq: 3 Feb 2018 8:26

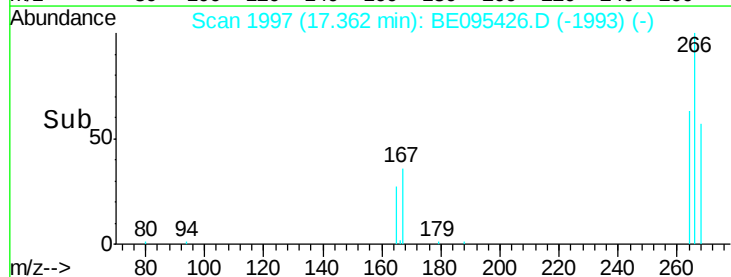
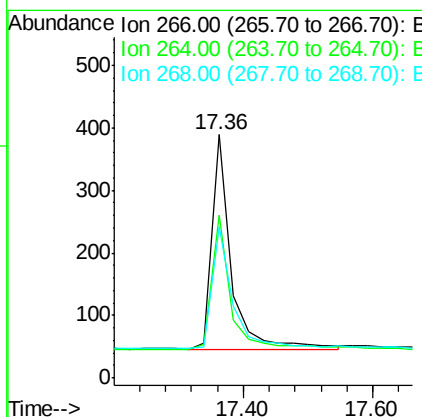
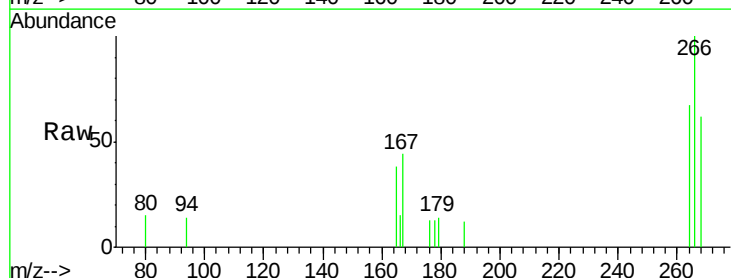
Instrument :
 BNA_E
 ClientSampleId :

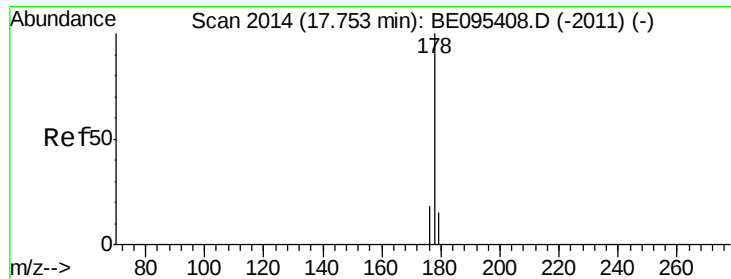
Tot Ion:166 Resp: 8207
 Ion Ratio Lower Upper
 166 100
 165 105.9 73.4 110.2
 167 12.9 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.359 ng/ul
 RT: 17.36 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BE095426.D
 Acq: 3 Feb 2018 8:26

Tgt Ion:266 Resp: 715
 Ion Ratio Lower Upper
 266 100
 264 61.5 47.9 71.9
 268 60.6 49.8 74.8





#12

Phenanthrene

Concen: 0.391 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

Instrument :

BNA_E

ClientSampleId :

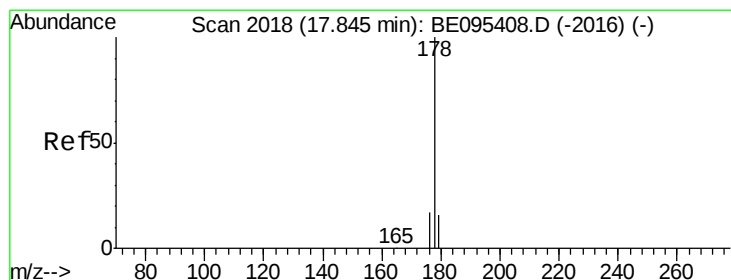
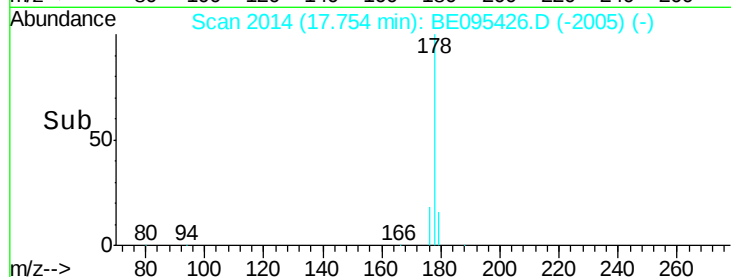
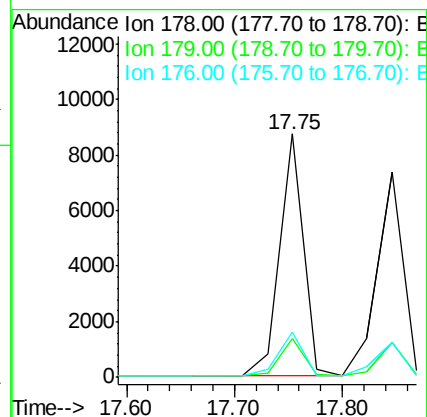
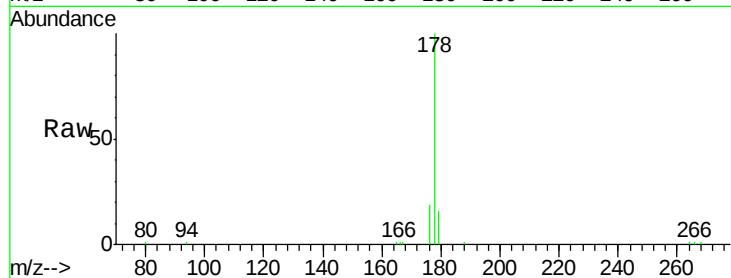
Tot Ion:178 Resp: 13507

Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

176 18.7 13.6 20.4



#13

Anthracene

Concen: 0.385 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

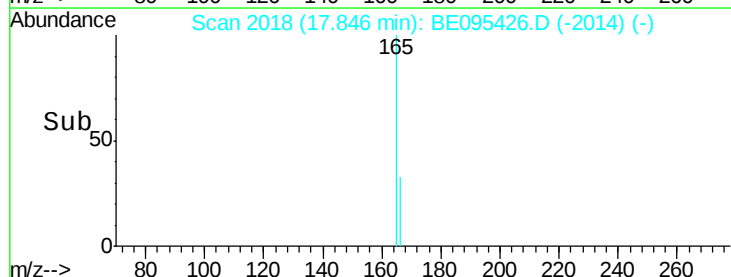
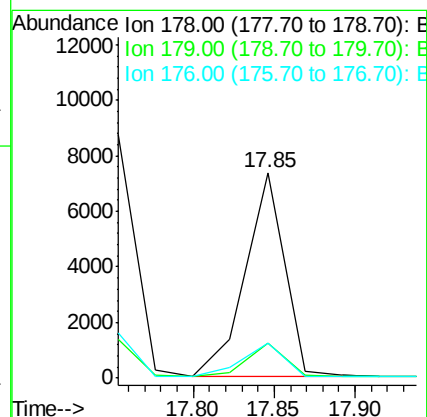
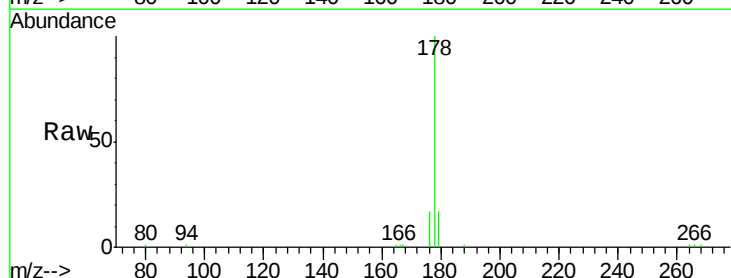
Tgt Ion:178 Resp: 12188

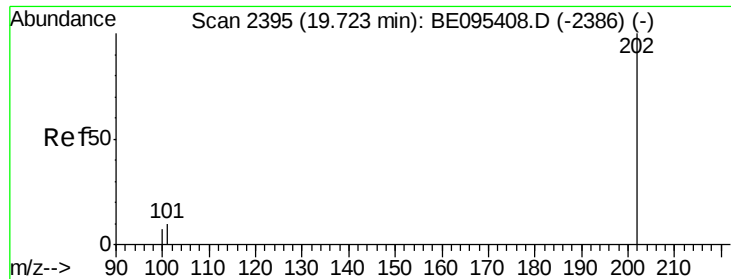
Ion Ratio Lower Upper

178 100

179 17.2 18.1 27.1#

176 17.2 14.7 22.1





#15

Fluoranthene

Concen: 0.354 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

Instrument :

BNA_E

ClientSampleId :

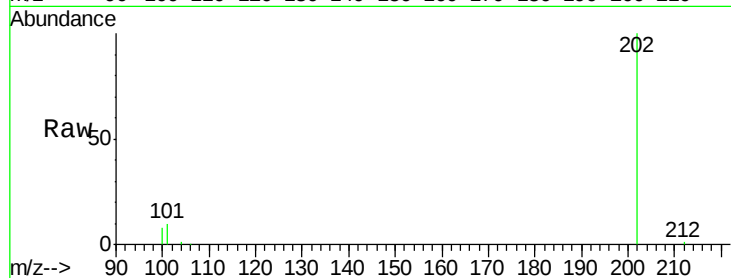
Tot Ion:202 Resp: 15861

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.3

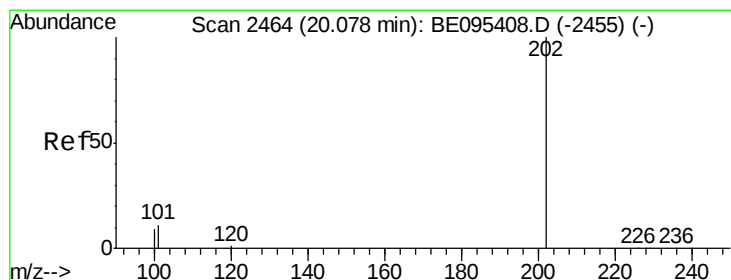
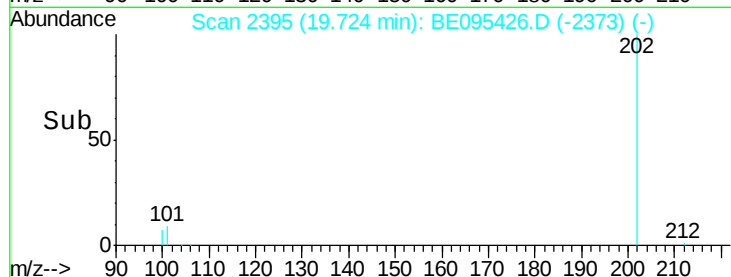
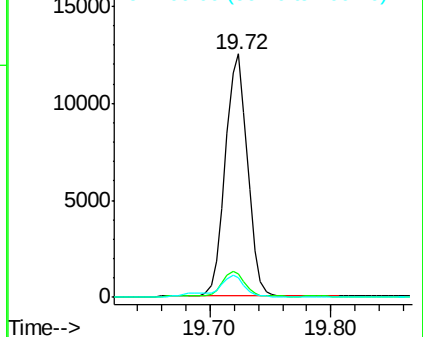
100 7.8 0.0 39.5



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: 0.473 ng/ul

RT: 20.07 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

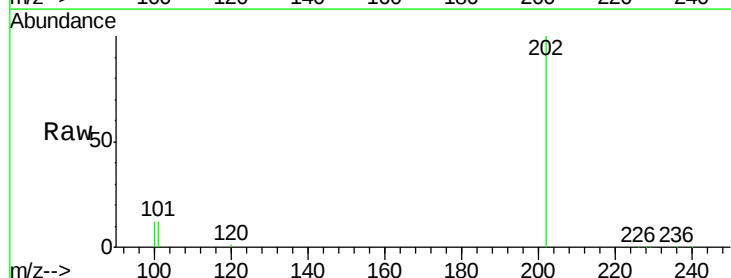
Tgt Ion:202 Resp: 17491

Ion Ratio Lower Upper

202 100

101 12.5 18.2 27.4#

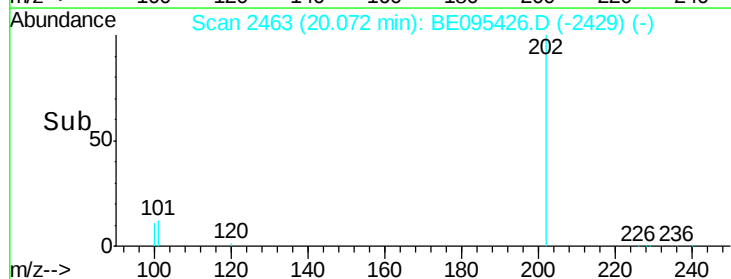
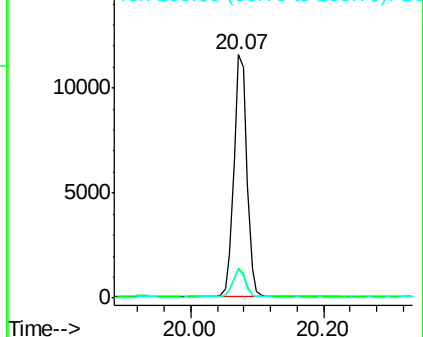
100 11.5 15.6 23.4#

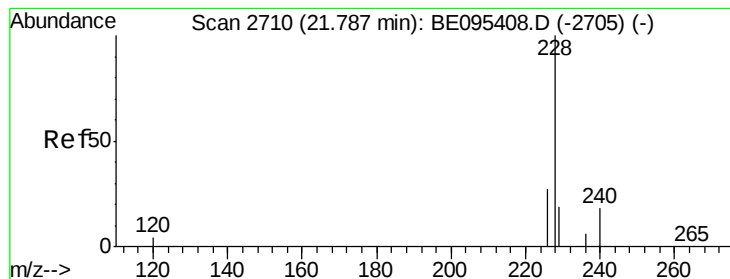


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.430 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

Instrument :

BNA_E

ClientSampleId :

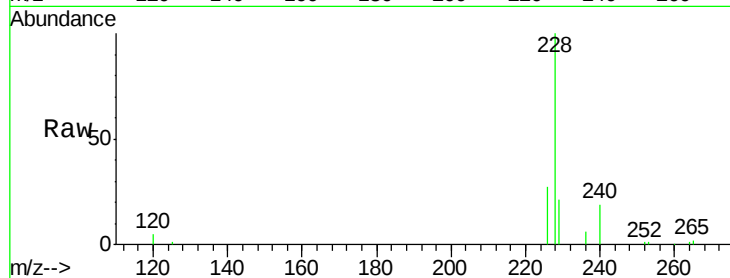
Tot Ion:228 Resp: 14794

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

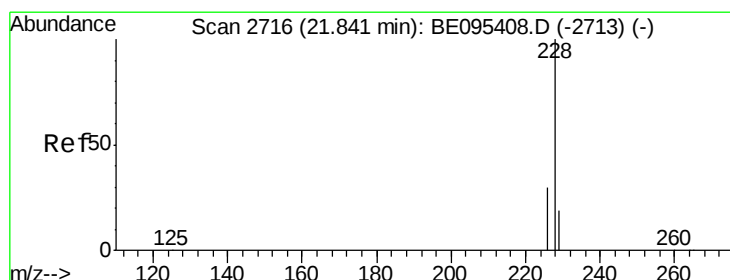
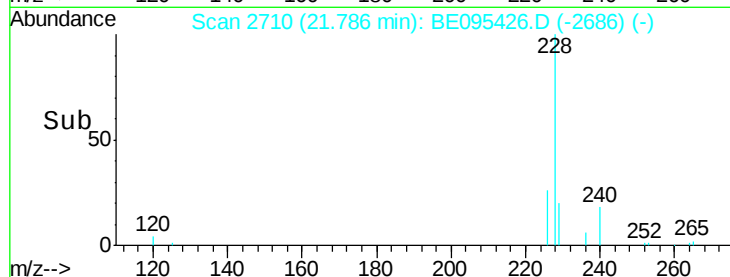
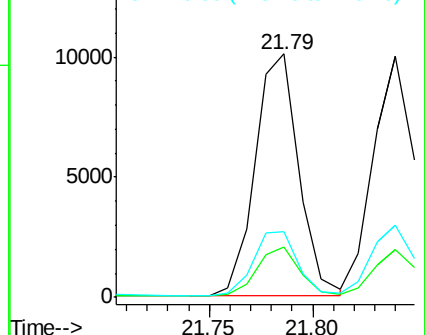
226 26.7 17.0 25.6#



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: 0.399 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. -0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

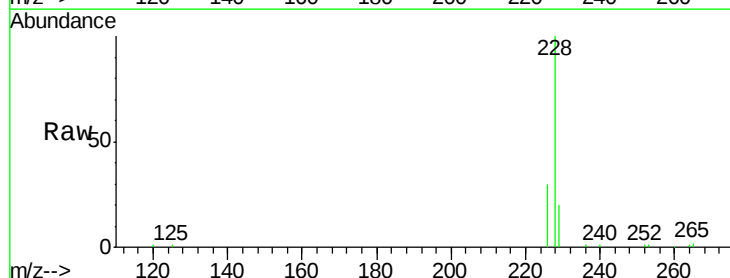
Tgt Ion:228 Resp: 14267

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

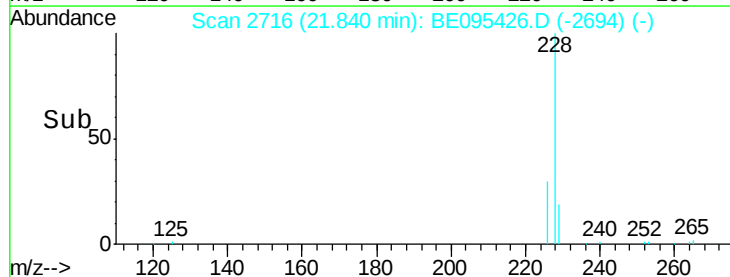
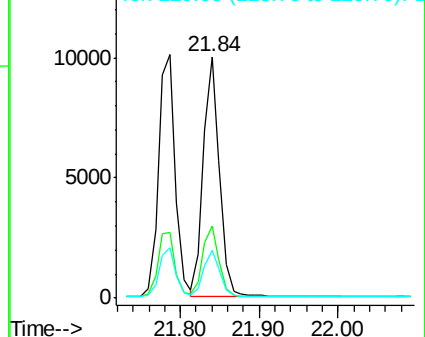
229 19.8 17.7 26.5

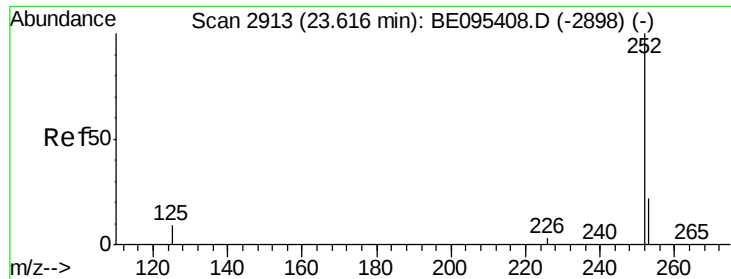


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.392 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

Instrument :

BNA_E

ClientSampleId :

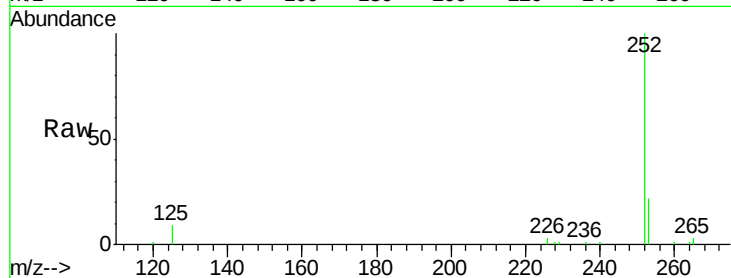
Tot Ion:252 Resp: 14253

Ion Ratio Lower Upper

252 100

253 22.4 0.0 64.2

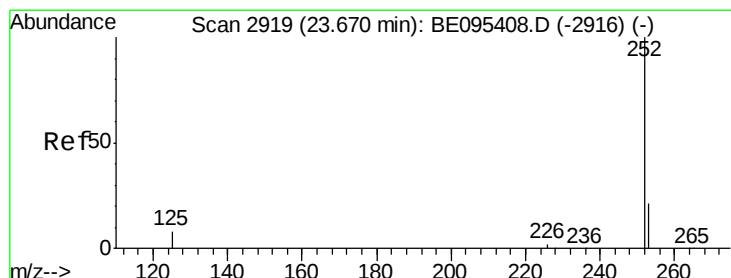
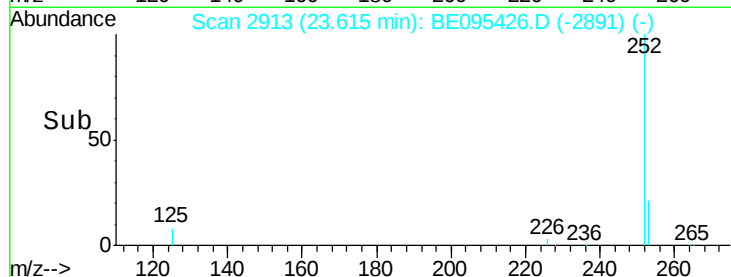
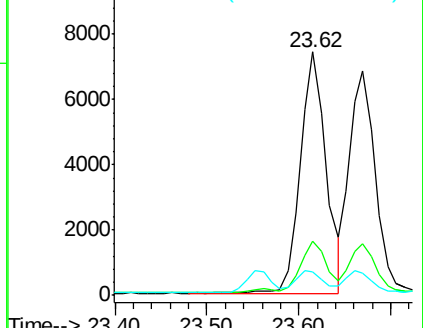
125 9.4 0.0 35.0



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: BE095426.D

Acq: 3 Feb 2018 8:26

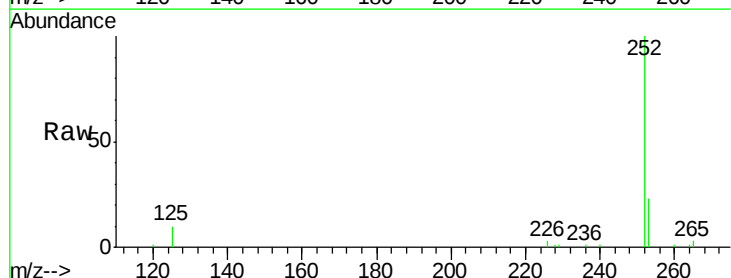
Tgt Ion:252 Resp: 13252

Ion Ratio Lower Upper

252 100

253 22.8 24.5 36.7#

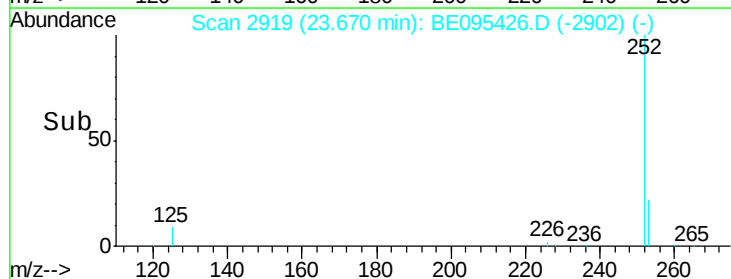
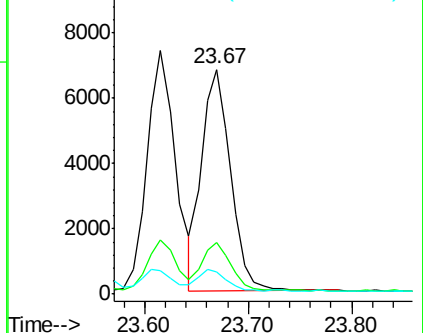
125 9.8 13.7 20.5#

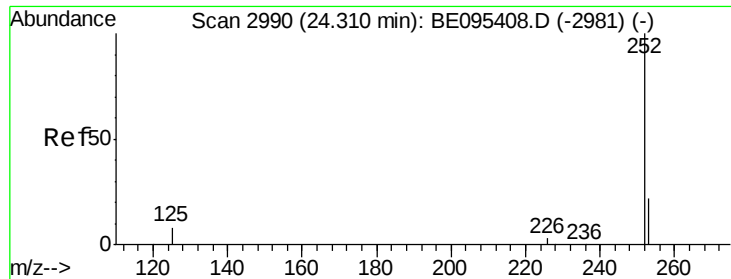


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.409 ng/ul

RT: 24.31 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

Instrument :

BNA_E

ClientSampleId :

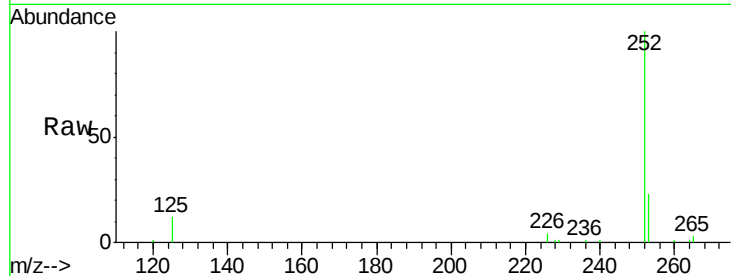
Tot Ion:252 Resp: 13267

Ion Ratio Lower Upper

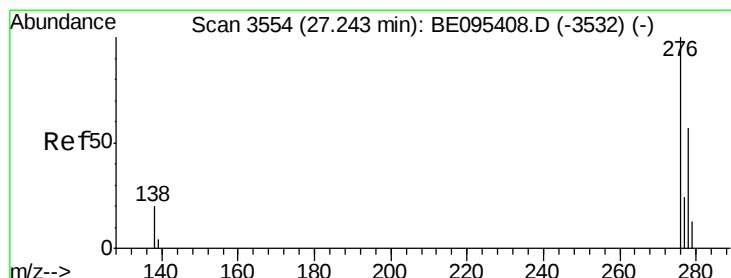
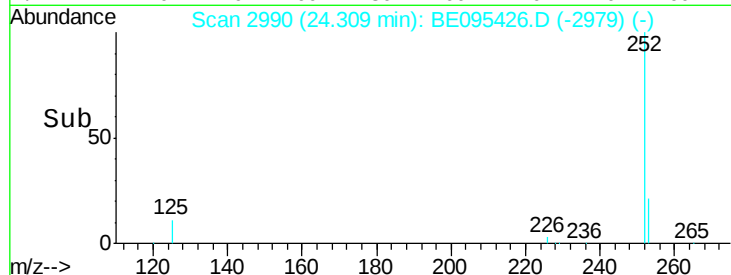
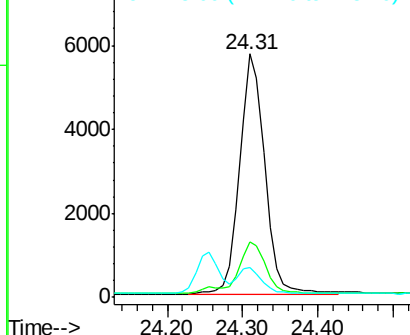
252 100

253 22.8 28.5 42.7#

125 12.2 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: 0.394 ng/ul

RT: 27.24 min Scan# 3554

Delta R.T. -0.00 min

Lab File: BE095426.D

Acq: 3 Feb 2018 8:26

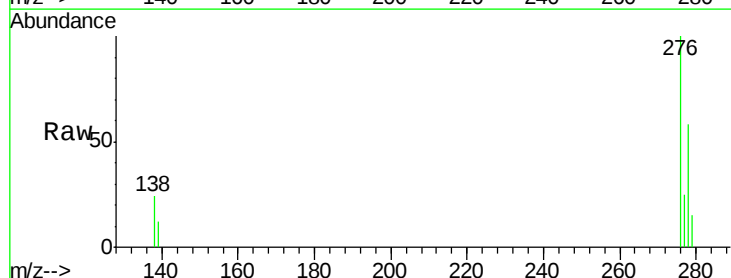
Tgt Ion:276 Resp: 14020

Ion Ratio Lower Upper

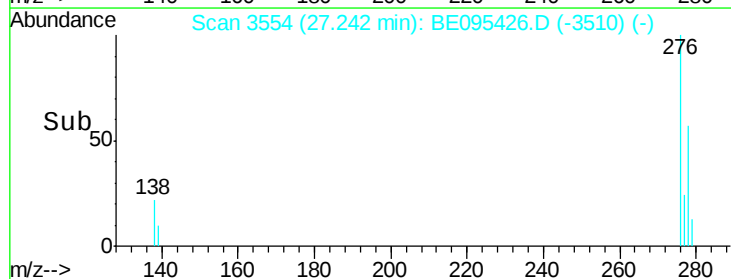
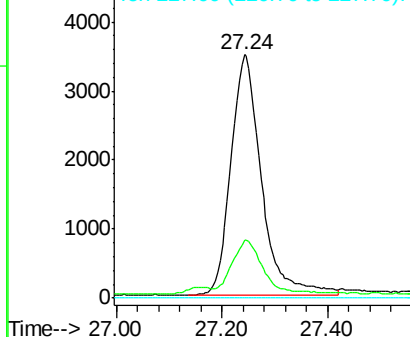
276 100

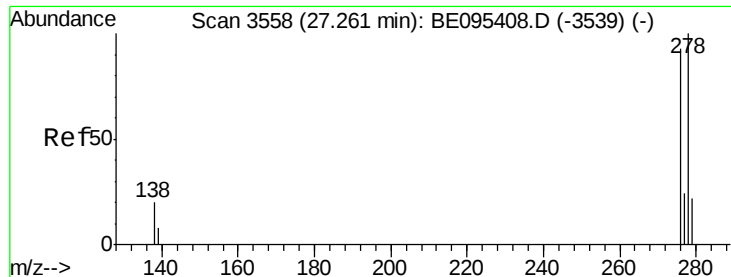
138 22.1 28.0 42.0#

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

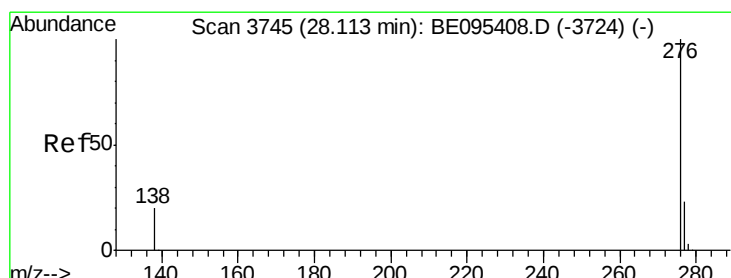
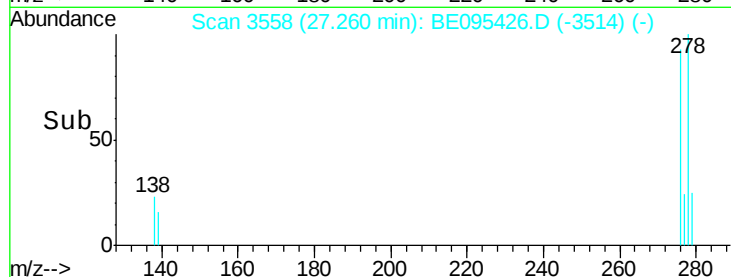
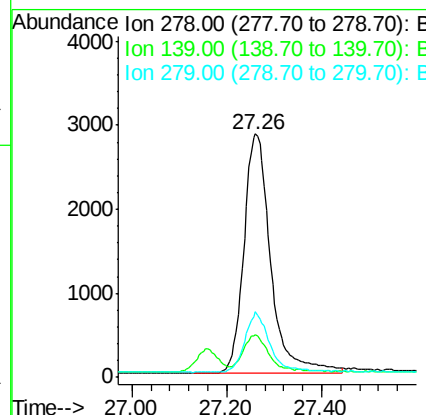
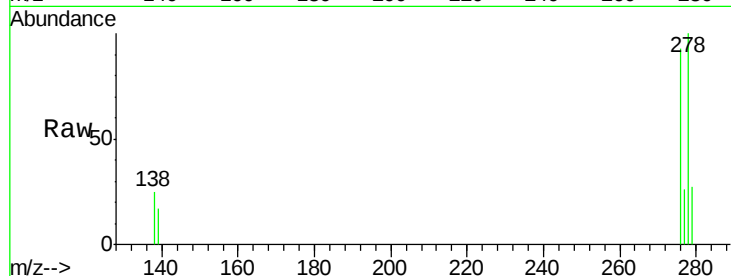




#25
Dibenzo(a,h)anthracene
Concen: 0.384 ng/ul
RT: 27.26 min Scan# 3558
Delta R.T. -0.00 min
Lab File: BE095426.D
Acq: 3 Feb 2018 8:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 11184
Ion Ratio Lower Upper
278 100
139 17.4 17.4 26.0
279 27.0 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.390 ng/ul
RT: 28.12 min Scan# 3746
Delta R.T. 0.00 min
Lab File: BE095426.D
Acq: 3 Feb 2018 8:26

Tgt Ion:276 Resp: 11775
Ion Ratio Lower Upper
276 100
138 21.6 21.8 32.8#
277 25.2 20.5 30.7

