

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095301.D
 Acq On : 31 Jan 2018 5:25
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 31 07:51:46 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 03:40:45 2018
 Response via : Initial Calibration

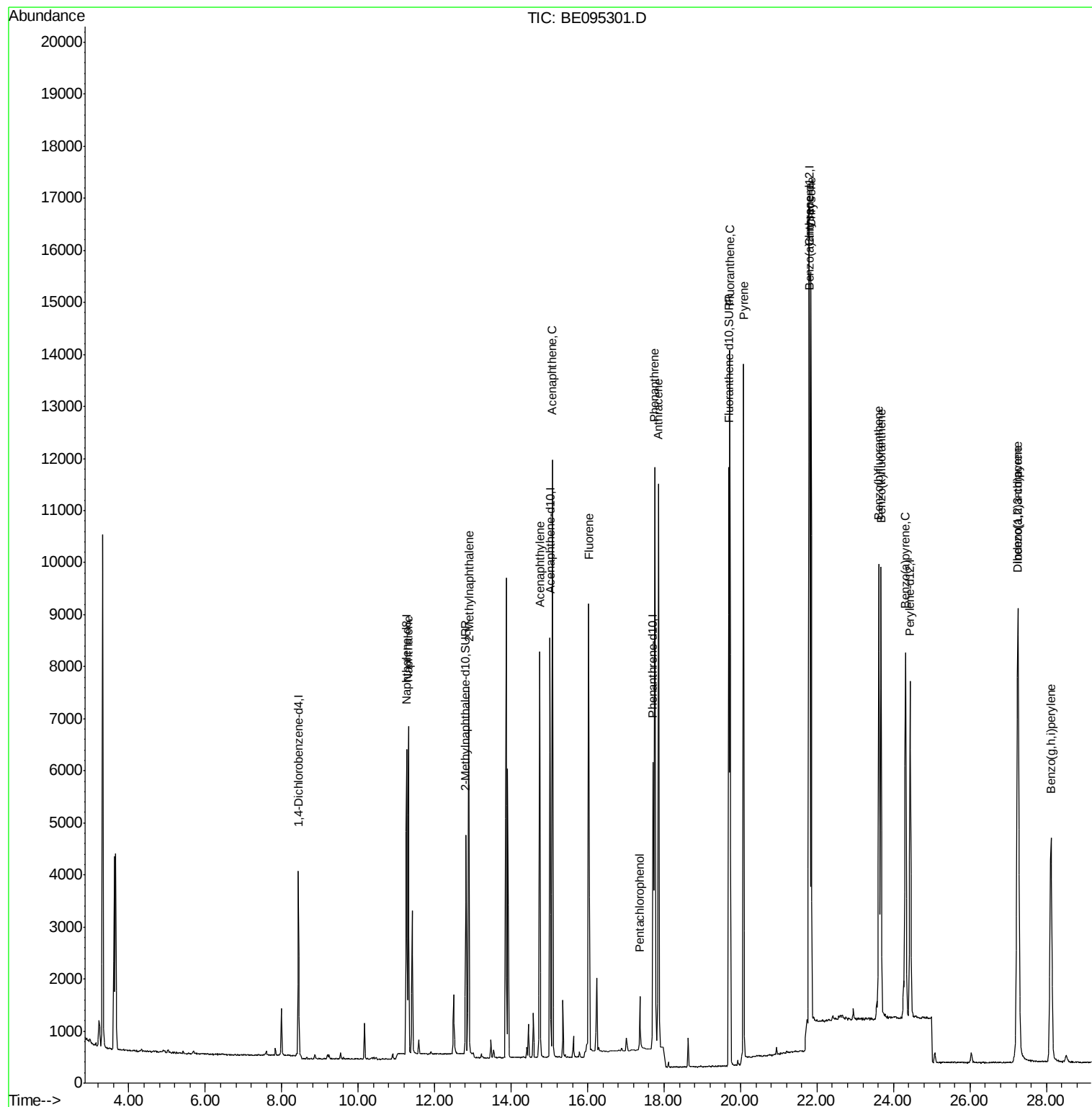
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2495	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7688	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4471	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	9327	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	10102	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	9439	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	5246	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	13104	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	8555	0.397	ng/ul#	89
5) 2-Methylnaphthalene	12.89	142	6027	0.419	ng/ul	99
7) Acenaphthylene	14.75	152	9023	0.419	ng/ul	96
8) Acenaphthene	15.08	153	6683	0.400	ng/ul	94
9) Fluorene	16.02	166	7094	0.412	ng/ul#	75
11) Pentachlorophenol	17.36	266	762	0.422	ng/ul	99
12) Phenanthrene	17.75	178	12680	0.404	ng/ul#	86
13) Anthracene	17.84	178	12395	0.432	ng/ul#	92
15) Fluoranthene	19.72	202	14622	0.360	ng/ul	84
17) Pyrene	20.08	202	16609	0.490	ng/ul#	78
18) Benzo(a)anthracene	21.79	228	13600	0.431	ng/ul#	86
19) Chrysene	21.84	228	13073	0.399	ng/ul	96
21) Benzo(b)fluoranthene	23.62	252	12812	0.385	ng/ul	84
22) Benzo(k)fluoranthene	23.67	252	12452	0.409	ng/ul#	86
23) Benzo(a)pyrene	24.31	252	12282	0.413	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.25	276	13525	0.415	ng/ul#	80
25) Dibenzo(a,h)anthracene	27.27	278	10907	0.409	ng/ul#	88
26) Benzo(g,h,i)perylene	28.12	276	11374	0.412	ng/ul	95

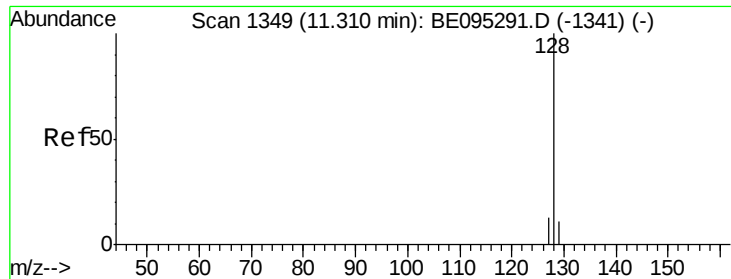
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE095301.D

Acq: 31 Jan 2018 5:25

Instrument :

BNA_E

ClientSampleId :

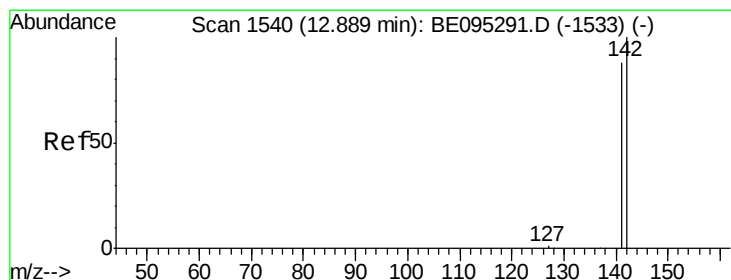
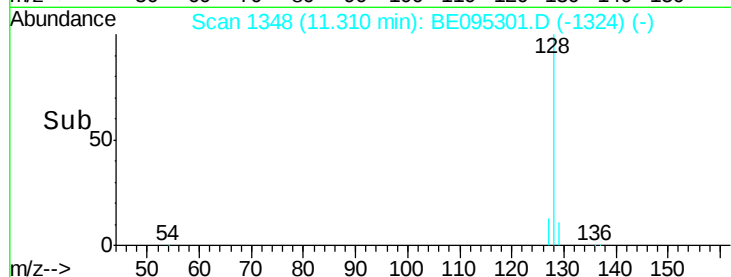
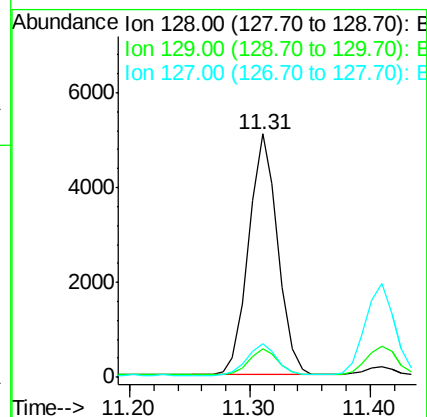
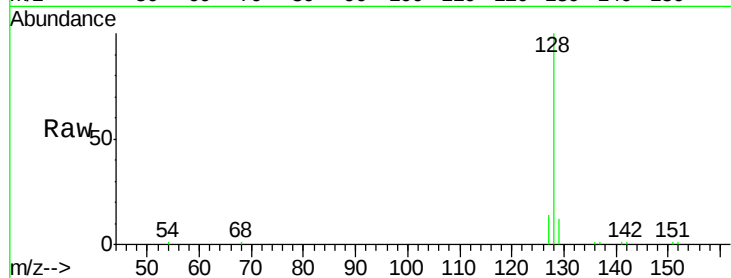
Tot Ion:128 Resp: 8555

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

127 13.7 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.419 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE095301.D

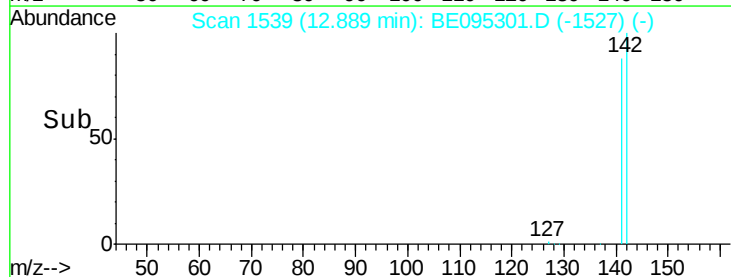
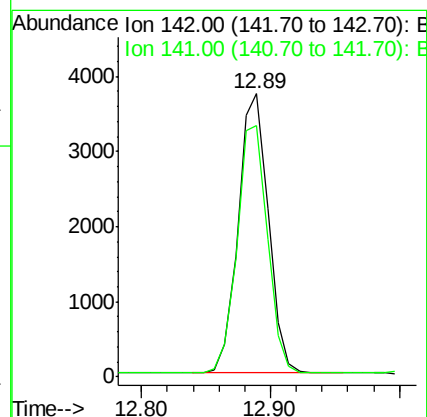
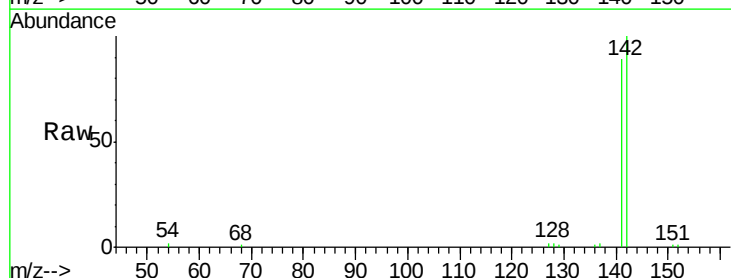
Acq: 31 Jan 2018 5:25

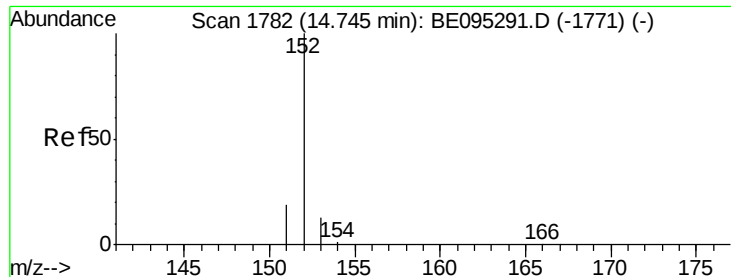
Tgt Ion:142 Resp: 6027

Ion Ratio Lower Upper

142 100

141 89.8 72.6 108.8





#7

Acenaphthylene

Concen: 0.419 ng/ul

RT: 14.75 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

Instrument :

BNA_E

ClientSampleId :

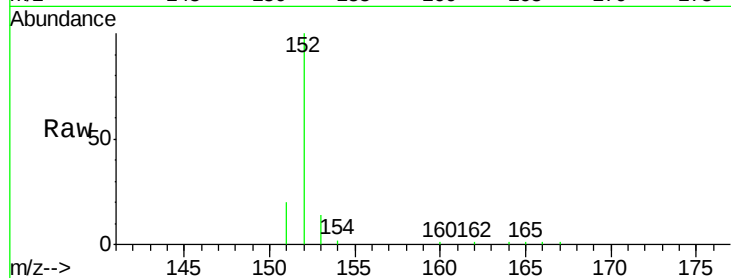
Tot Ion:152 Resp: 9023

Ion Ratio Lower Upper

152 100

151 20.0 17.1 25.7

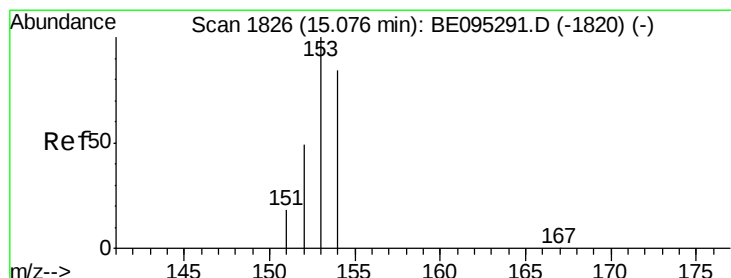
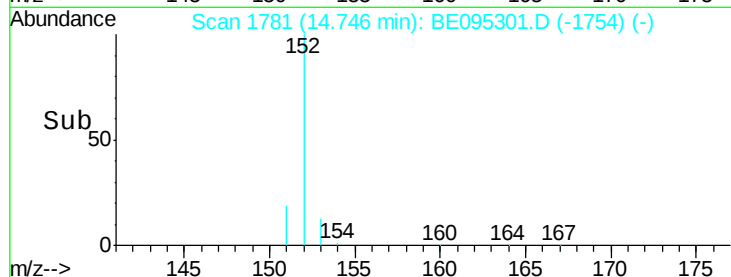
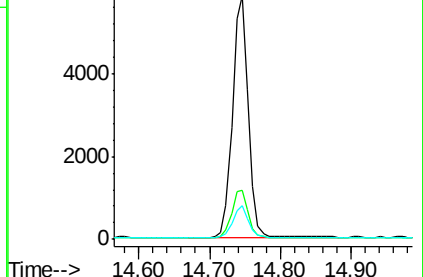
153 14.1 12.8 19.2



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: 0.400 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

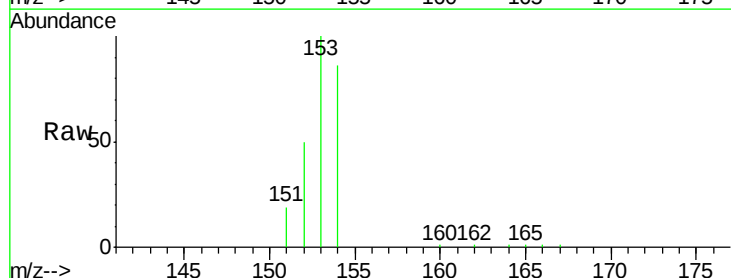
Tgt Ion:153 Resp: 6683

Ion Ratio Lower Upper

153 100

152 50.5 36.0 54.0

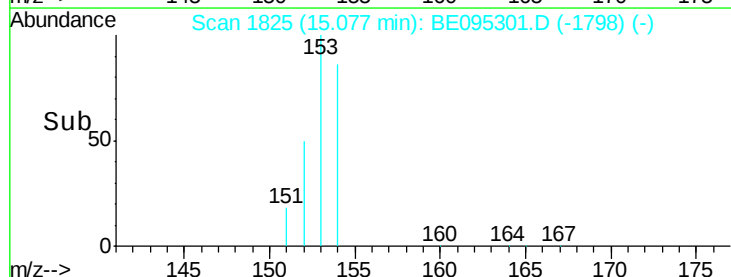
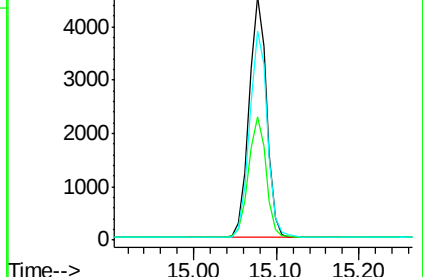
154 86.0 72.0 108.0

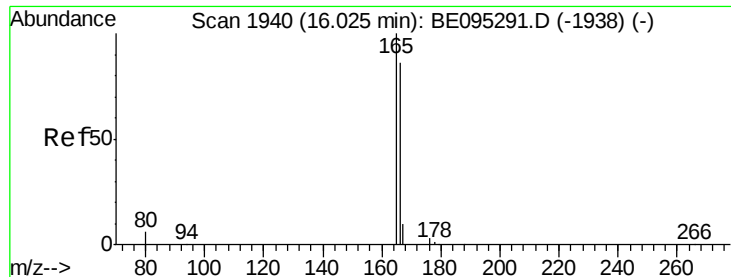


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

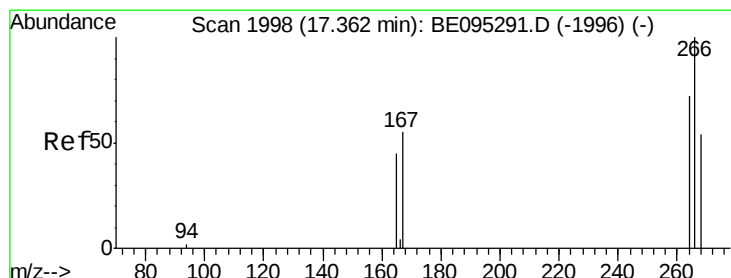
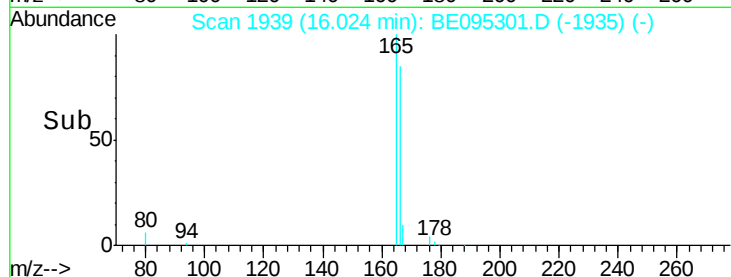
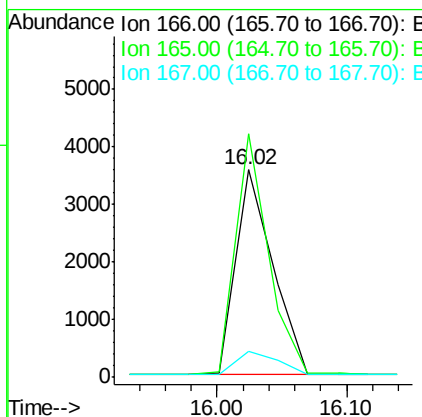
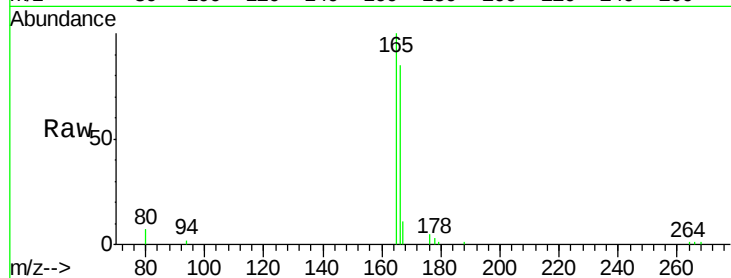




#9
Fluorene
 Concen: 0.412 ng/ul
 RT: 16.02 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: BE095301.D
 Acq: 31 Jan 2018 5:25

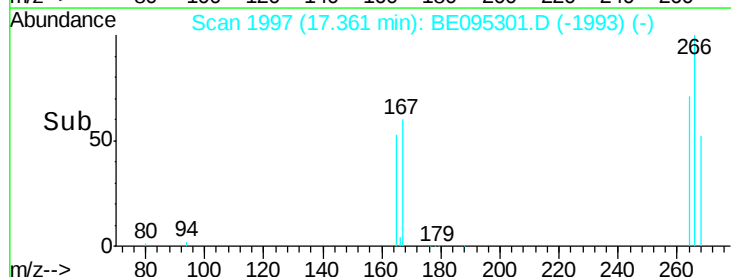
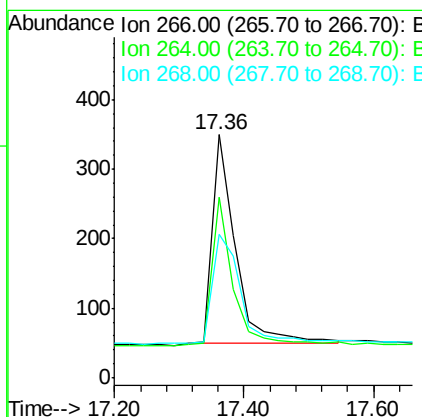
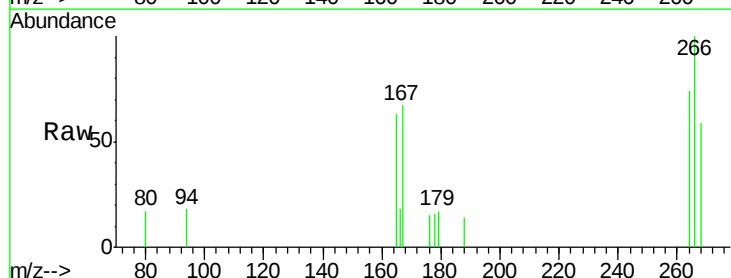
Instrument :
 BNA_E
 ClientSampleID :

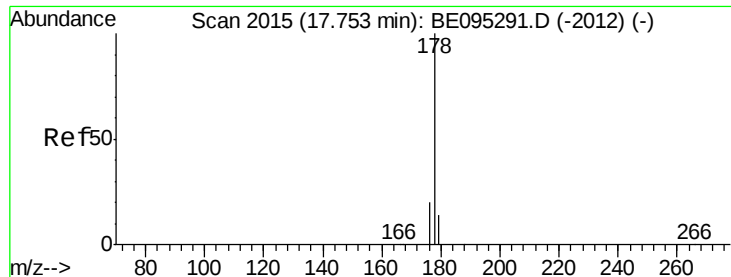
Tot Ion	Ratio	Lower	Upper
166	100		
165	117.5	73.4	110.2#
167	12.4	14.6	22.0#



#11
Pentachlorophenol
 Concen: 0.422 ng/ul
 RT: 17.36 min Scan# 1997
 Delta R.T. -0.00 min
 Lab File: BE095301.D
 Acq: 31 Jan 2018 5:25

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.5	47.9	71.9
268	61.8	49.8	74.8





#12

Phenanthrene

Concen: 0.404 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

Instrument :

BNA_E

ClientSampleId :

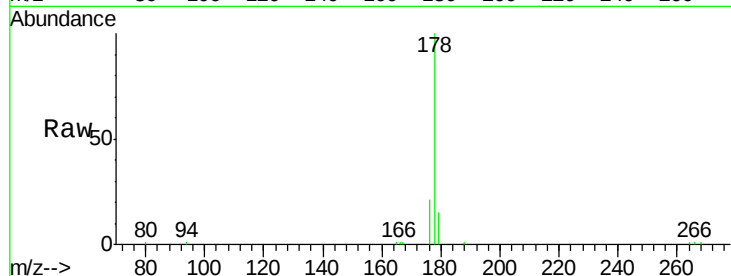
Tot Ion:178 Resp: 12680

Ion Ratio Lower Upper

178 100

179 14.7 18.4 27.6#

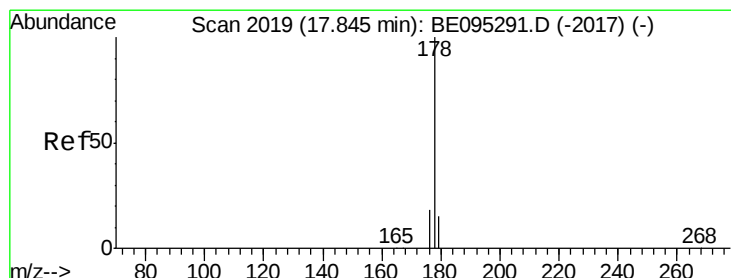
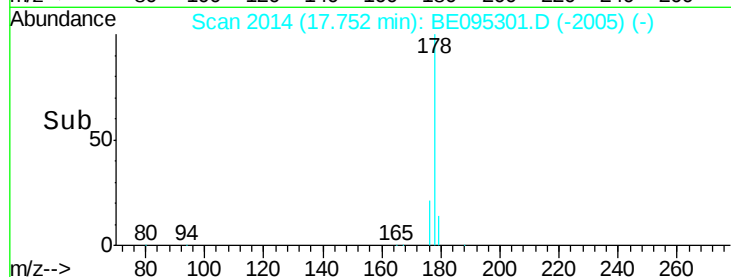
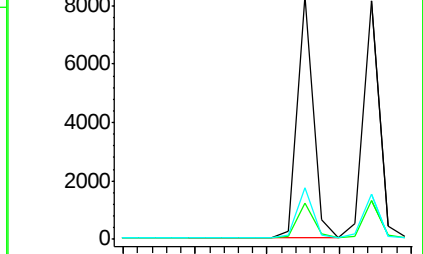
176 21.1 13.6 20.4#



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: 0.432 ng/ul

RT: 17.84 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

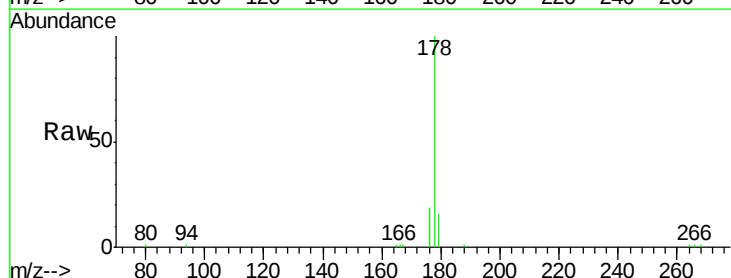
Tgt Ion:178 Resp: 12395

Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

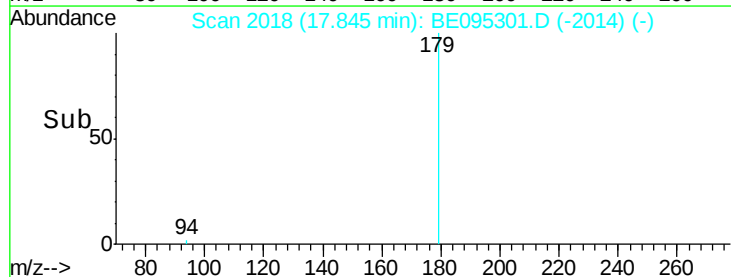
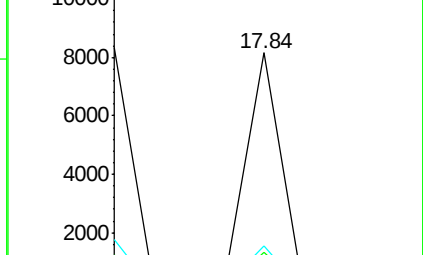
176 18.8 14.7 22.1

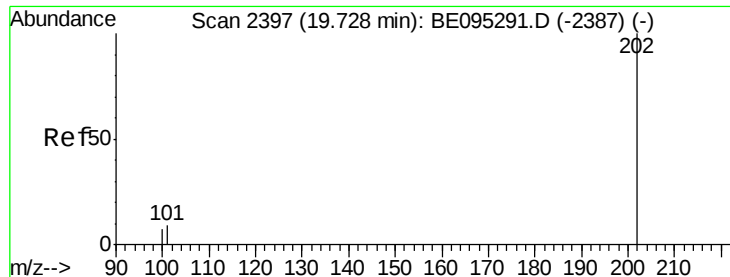


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.360 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

Instrument :

BNA_E

ClientSampleId :

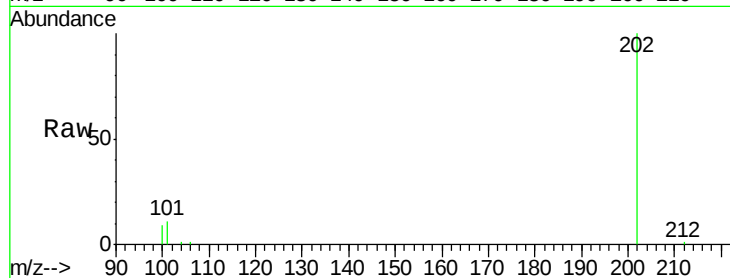
Tot Ion:202 Resp: 14622

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.3

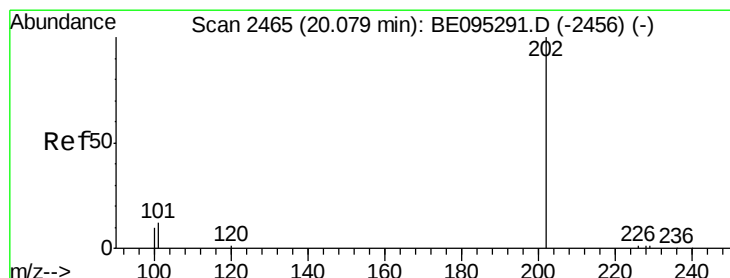
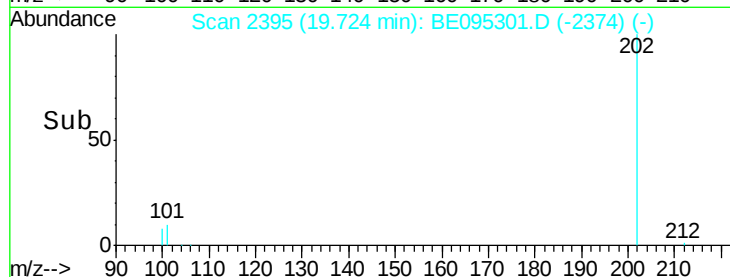
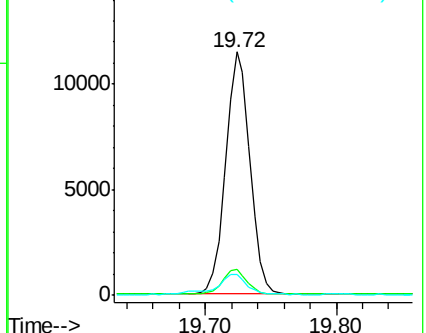
100 8.8 0.0 39.5



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: 0.490 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

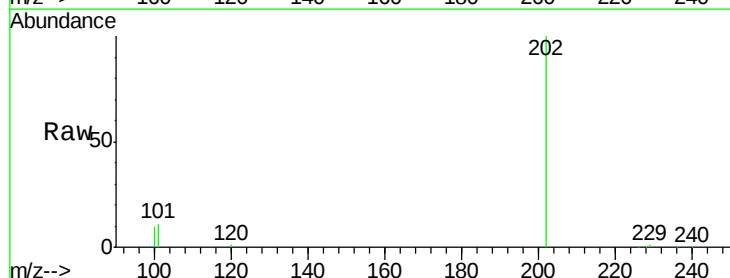
Tgt Ion:202 Resp: 16609

Ion Ratio Lower Upper

202 100

101 11.5 18.2 27.4#

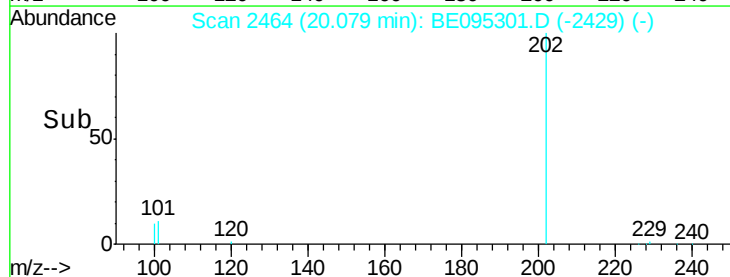
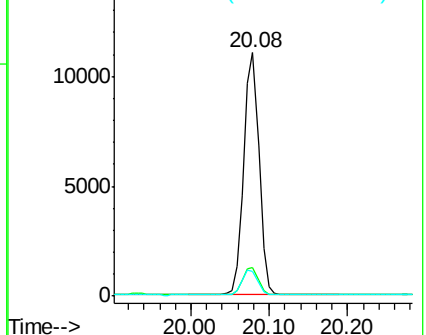
100 10.1 15.6 23.4#

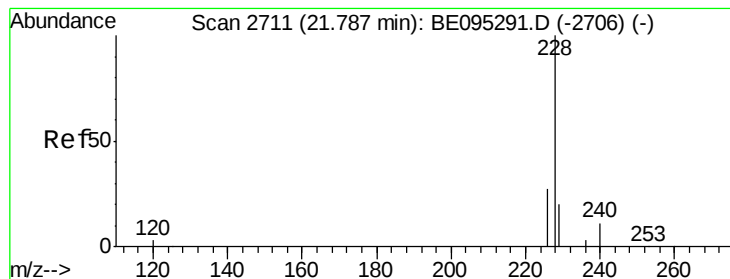


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.431 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

Instrument :

BNA_E

ClientSampleId :

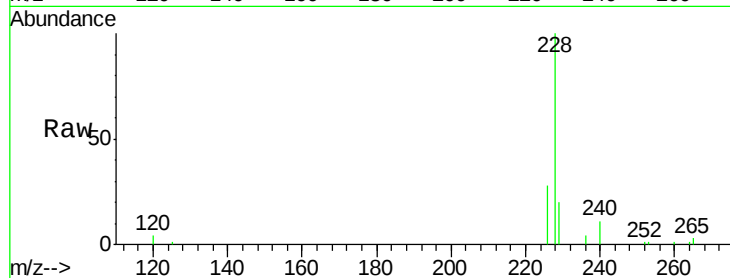
Tot Ion:228 Resp: 13600

Ion Ratio Lower Upper

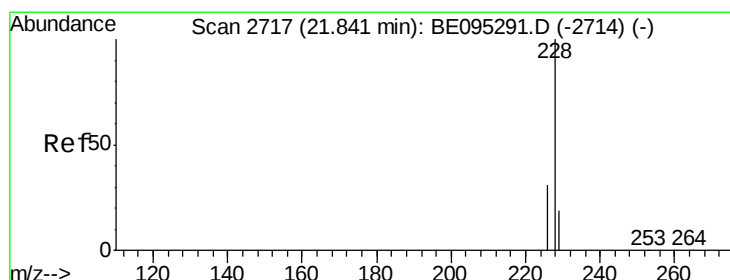
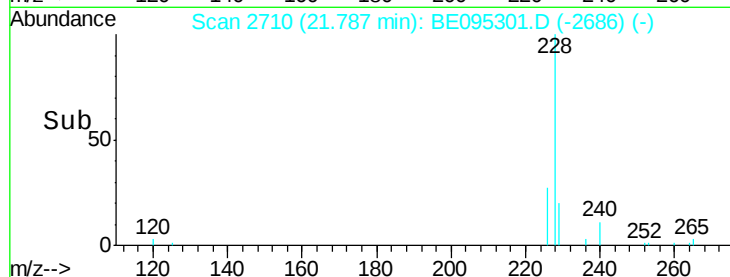
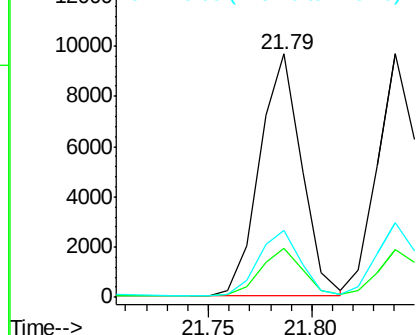
228 100

229 20.3 22.8 34.2#

226 27.5 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: BE095301.D

Acq: 31 Jan 2018 5:25

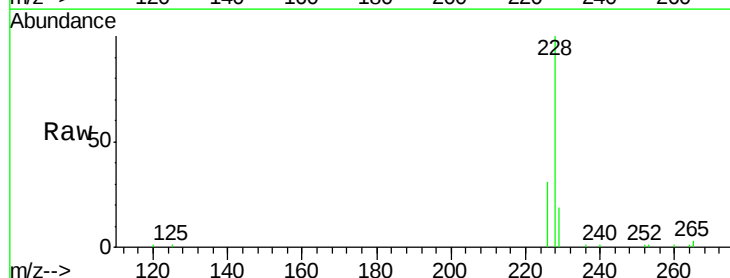
Tgt Ion:228 Resp: 13073

Ion Ratio Lower Upper

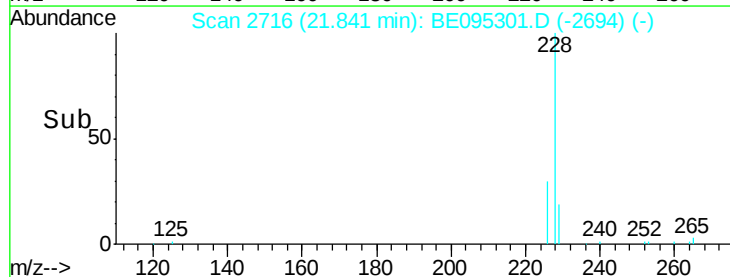
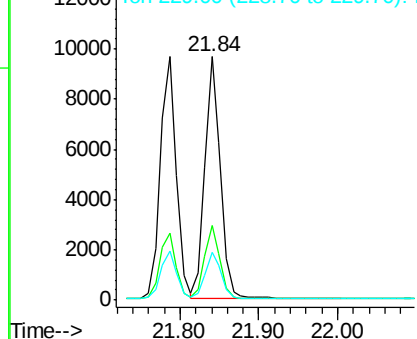
228 100

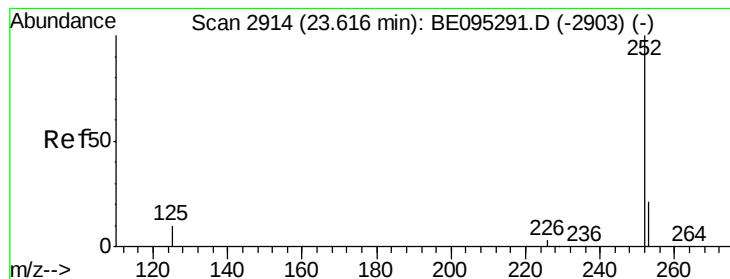
226 30.8 23.4 35.0

229 19.5 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: 0.385 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

Instrument :

BNA_E

ClientSampleId :

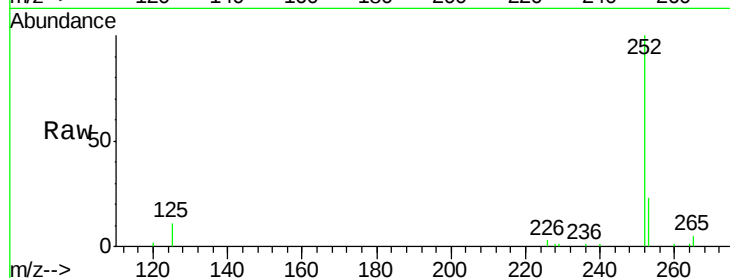
Tot Ion:252 Resp: 12812

Ion Ratio Lower Upper

252 100

253 22.6 0.0 64.2

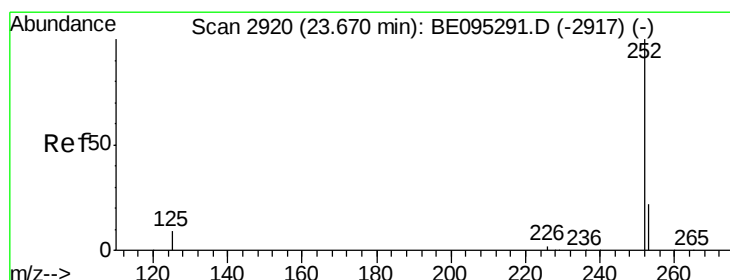
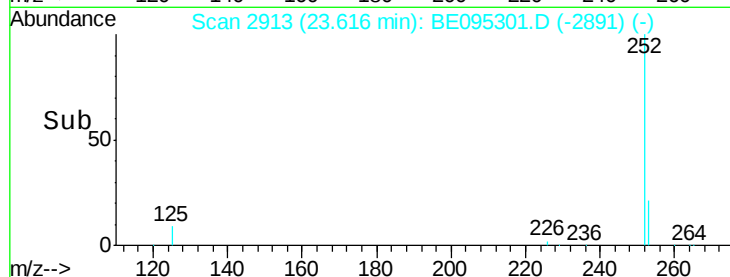
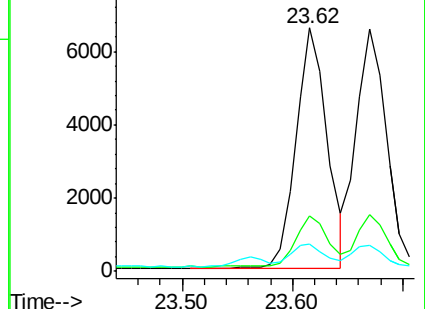
125 11.4 0.0 35.0



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: 0.409 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

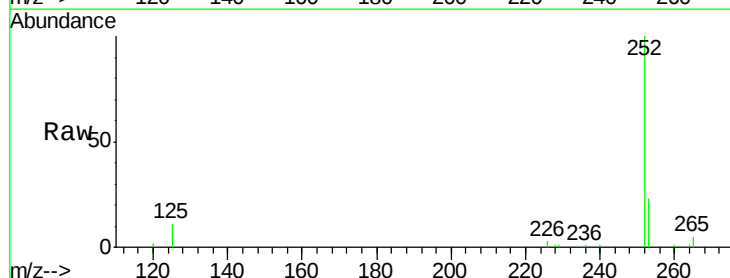
Tgt Ion:252 Resp: 12452

Ion Ratio Lower Upper

252 100

253 23.2 24.5 36.7#

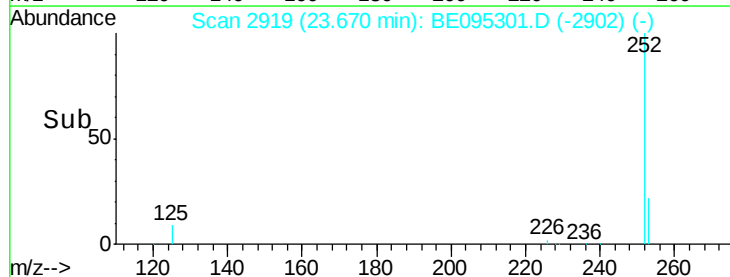
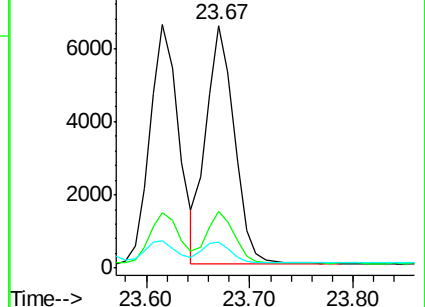
125 10.9 13.7 20.5#

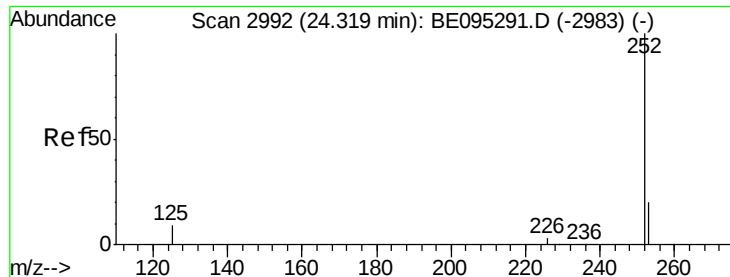


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.413 ng/ul

RT: 24.31 min Scan# 2990

Delta R.T. -0.01 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

Instrument :

BNA_E

ClientSampleId :

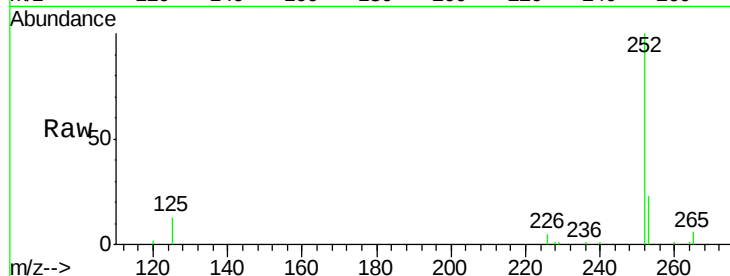
Tot Ion:252 Resp: 12282

Ion Ratio Lower Upper

252 100

253 23.1 28.5 42.7#

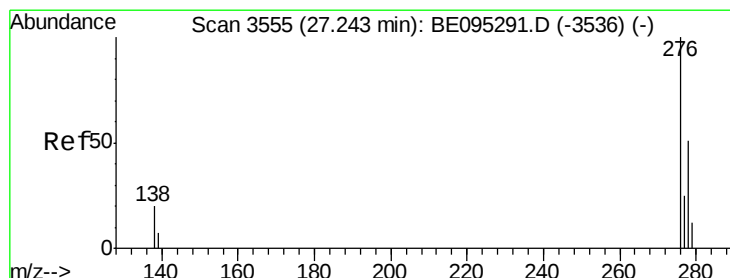
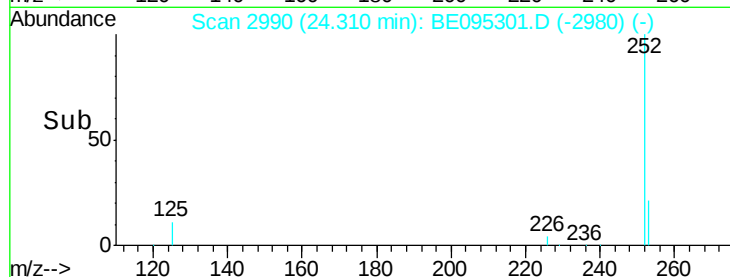
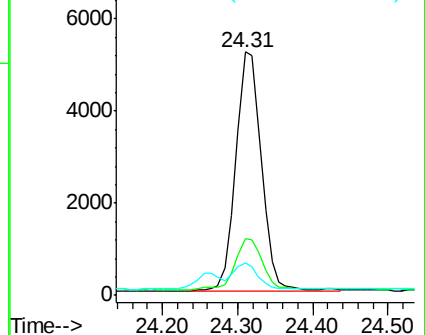
125 13.4 18.1 27.1#



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: 27.25 min Scan# 3555

Delta R.T. 0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

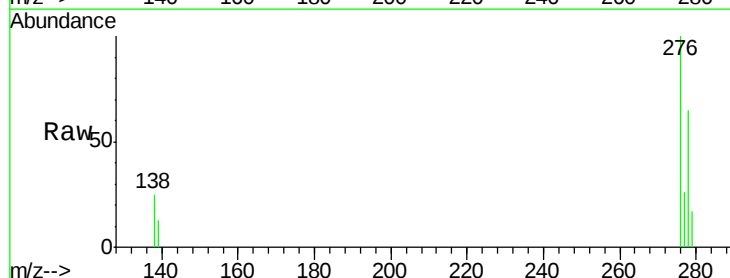
Tgt Ion:276 Resp: 13525

Ion Ratio Lower Upper

276 100

138 24.4 28.0 42.0#

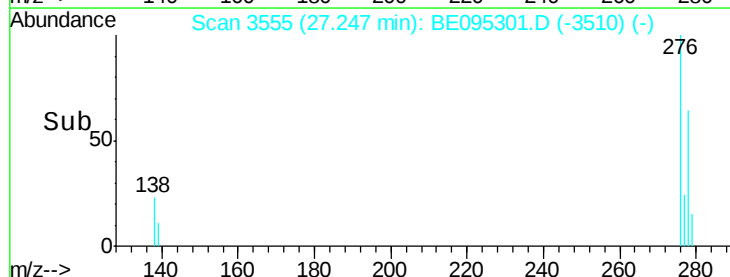
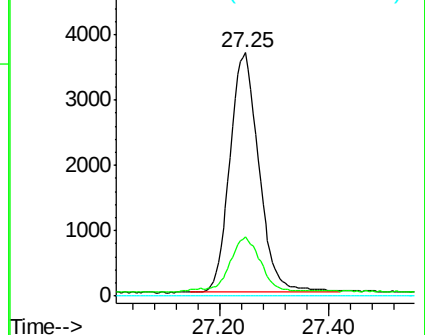
227 0.0 8.0 12.0#

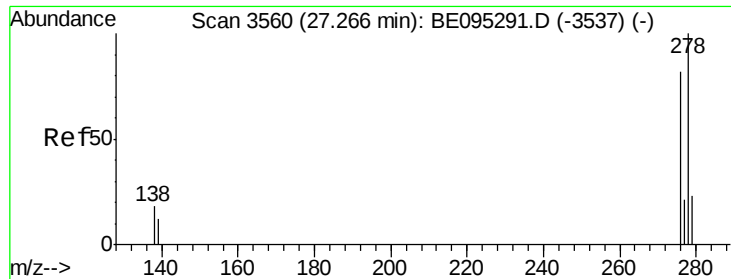


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.409 ng/ul

RT: 27.27 min Scan# 3559

Delta R.T. -0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

Instrument :

BNA_E

ClientSampleId :

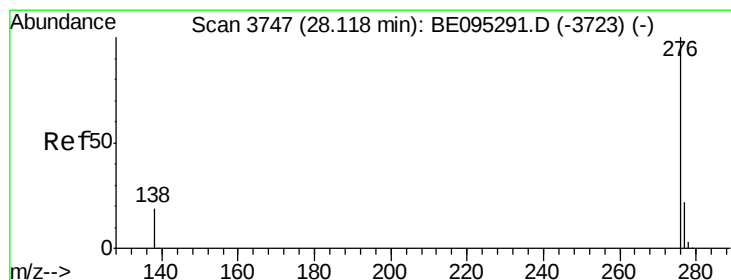
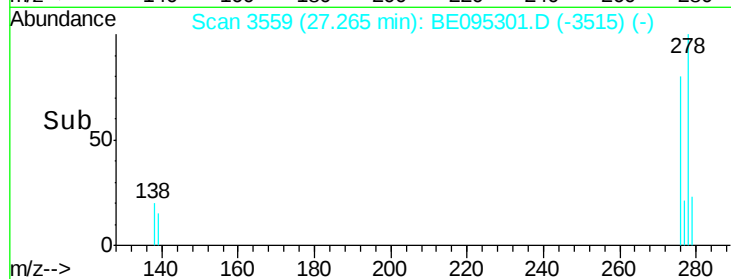
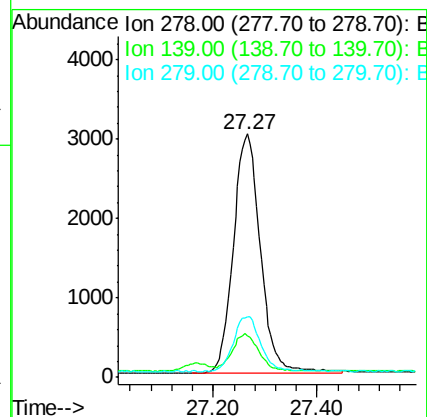
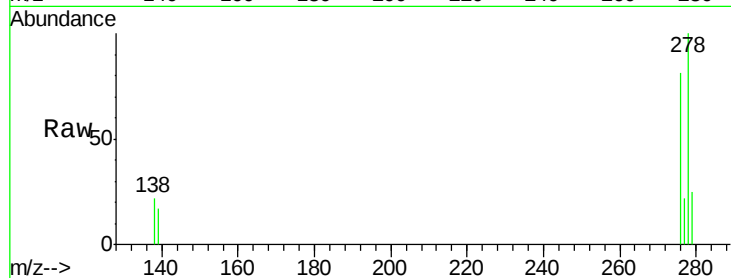
Tot Ion:278 Resp: 10907

Ion Ratio Lower Upper

278 100

139 17.3 17.4 26.0#

279 25.0 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.412 ng/ul

RT: 28.12 min Scan# 3746

Delta R.T. -0.00 min

Lab File: BE095301.D

Acq: 31 Jan 2018 5:25

Tgt Ion:276 Resp: 11374

Ion Ratio Lower Upper

276 100

138 22.4 21.8 32.8

277 25.1 20.5 30.7

