

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012018\
 Data File : BE095089.D
 Acq On : 20 Jan 2018 14:46
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 22 04:30:53 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE011918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 04:29:25 2018
 Response via : Initial Calibration

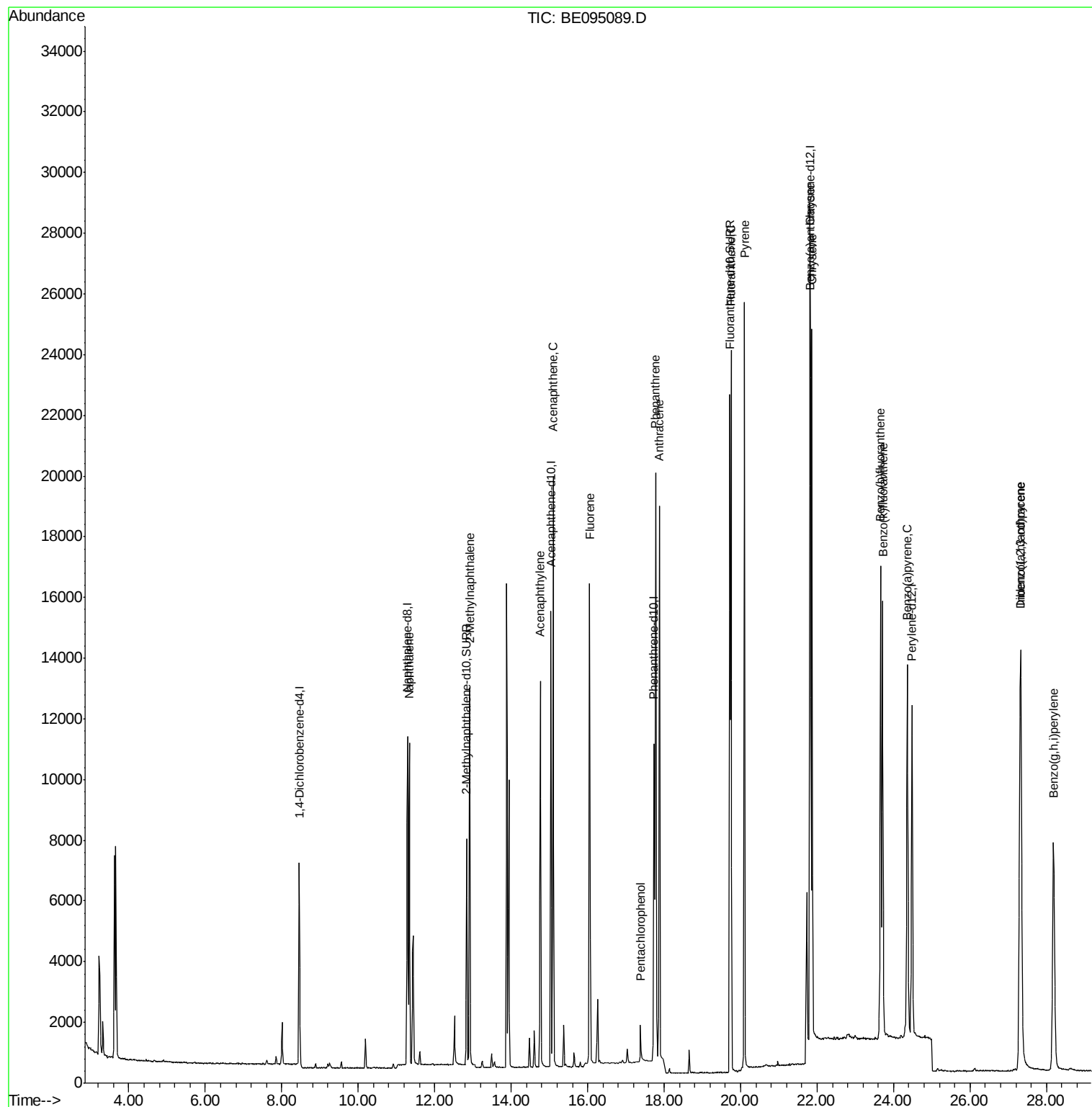
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	4339	0.40	ng/ul	0.00
2) Naphthalene-d8	11.28	136	14249	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.04	164	8129	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.73	188	17075	0.40	ng/ul	0.00
16) Chrysene-d12	21.83	240	19290	0.40	ng/ul	0.00
20) Perylene-d12	24.48	264	17585	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.84	152	9568	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.72	212	24207	0.46	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.33	128	14849	0.393	ng/ul#	88
5) 2-Methylnaphthalene	12.91	142	10622	0.404	ng/ul	100
7) Acenaphthylene	14.77	152	15268	0.419	ng/ul	96
8) Acenaphthene	15.10	153	11283	0.398	ng/ul	93
9) Fluorene	16.05	166	12363	0.409	ng/ul#	79
11) Pentachlorophenol	17.38	266	883	0.874	ng/ul	94
12) Phenanthrene	17.78	178	22196	0.490	ng/ul#	88
13) Anthracene	17.87	178	21299	0.539	ng/ul#	92
15) Fluoranthene	19.75	202	26091	0.450	ng/ul	84
17) Pyrene	20.10	202	26761	0.382	ng/ul#	80
18) Benzo(a)anthracene	21.81	228	23662	0.443	ng/ul#	85
19) Chrysene	21.87	228	22731	0.382	ng/ul	95
21) Benzo(b)fluoranthene	23.66	252	22965	0.388	ng/ul	83
22) Benzo(k)fluoranthene	23.72	252	20844	0.382	ng/ul#	84
23) Benzo(a)pyrene	24.36	252	21215	0.420	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	27.31	276	22899	0.510	ng/ul#	80
25) Dibenzo(a,h)anthracene	27.33	278	18480	0.576	ng/ul#	89
26) Benzo(g,h,i)perylene	28.19	276	19536	0.438	ng/ul#	93

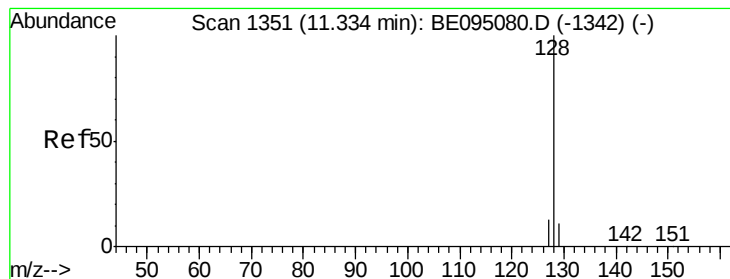
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.393 ng/ul

RT: 11.33 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

Instrument :

BNA_E

ClientSampleId :

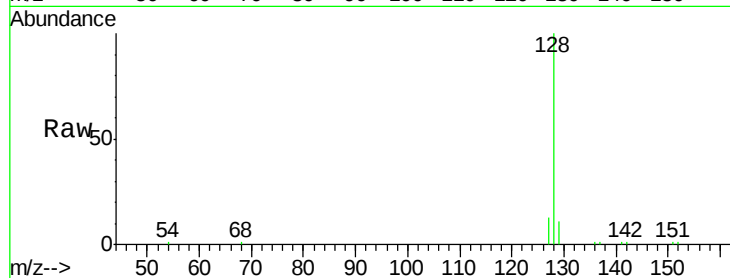
Tot Ion:128 Resp: 14849

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

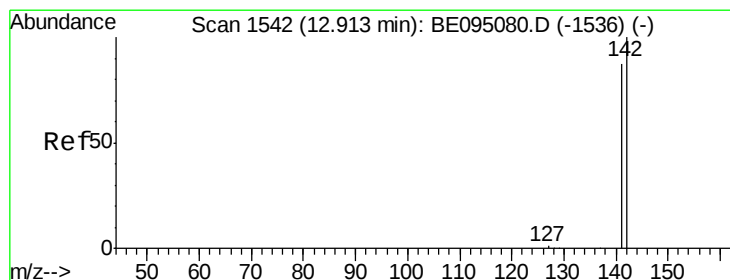
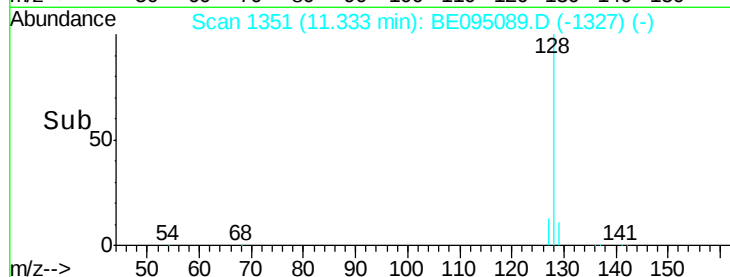
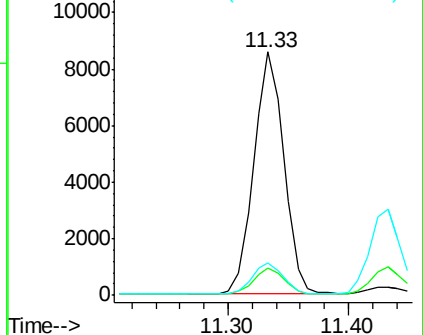
127 13.5 4.0 6.0#



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: 0.404 ng/ul

RT: 12.91 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BE095089.D

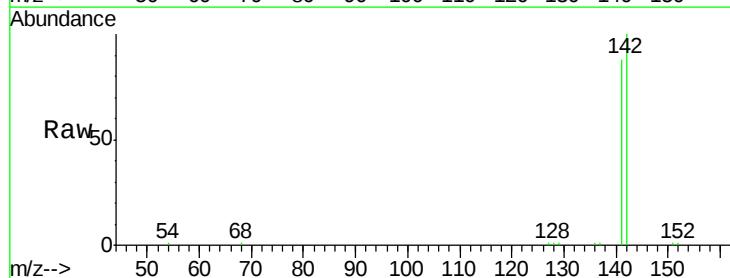
Acq: 20 Jan 2018 14:46

Tgt Ion:142 Resp: 10622

Ion Ratio Lower Upper

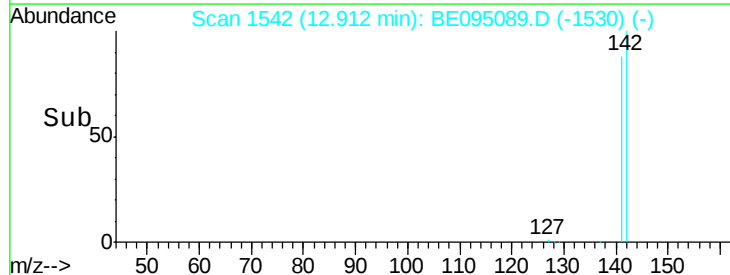
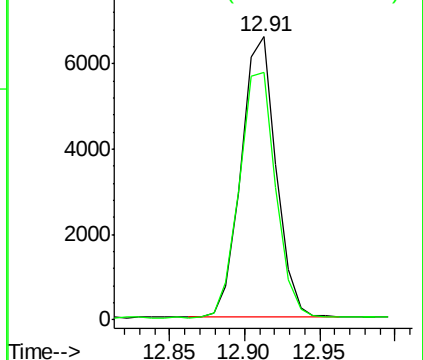
142 100

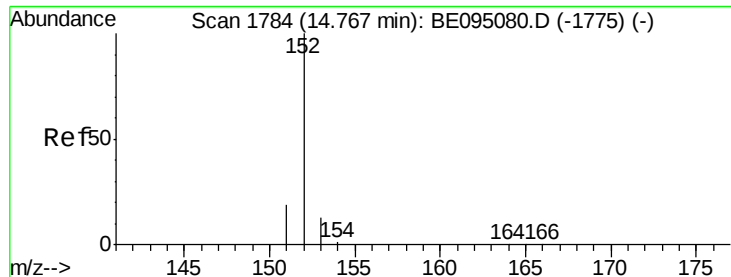
141 91.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.419 ng/ul

RT: 14.77 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

Instrument :

BNA_E

ClientSampleId :

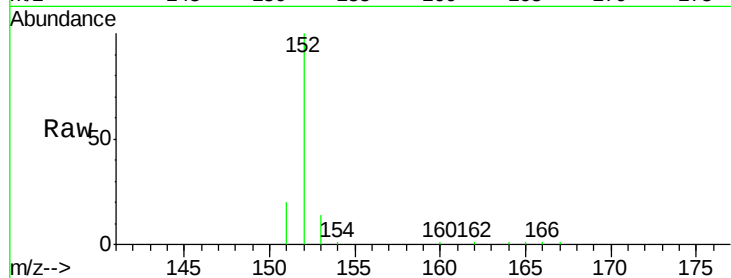
Tot Ion:152 Resp: 15268

Ion Ratio Lower Upper

152 100

151 20.1 17.1 25.7

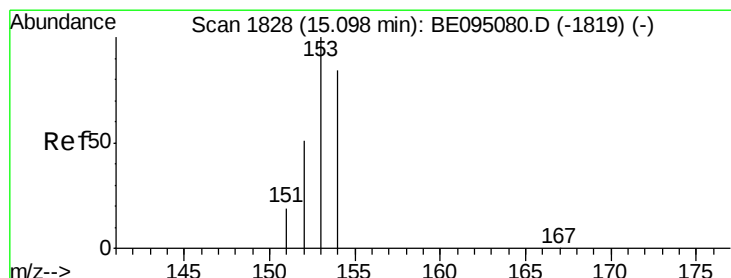
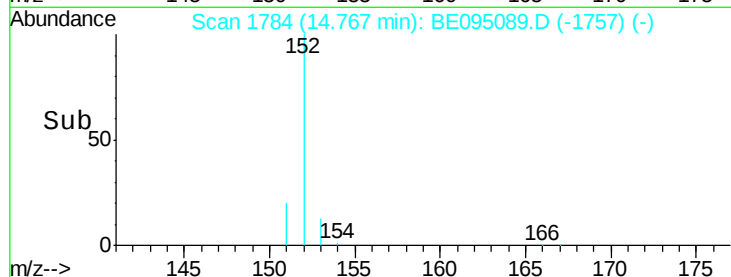
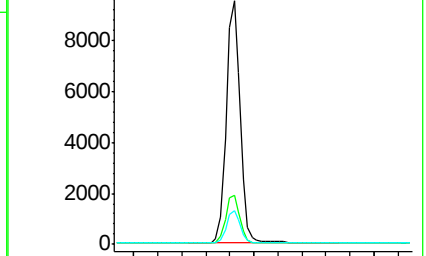
153 13.7 12.8 19.2



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: 0.398 ng/ul

RT: 15.10 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

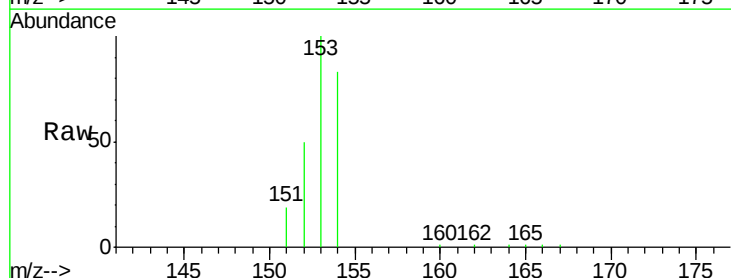
Tgt Ion:153 Resp: 11283

Ion Ratio Lower Upper

153 100

152 50.1 36.0 54.0

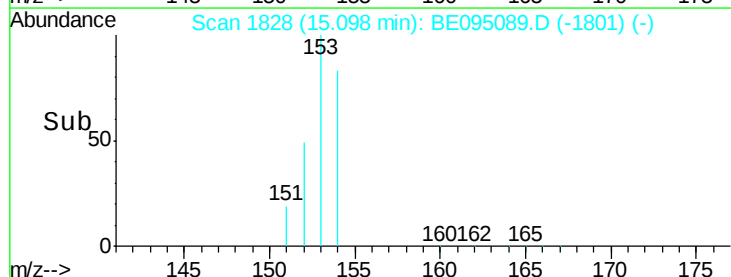
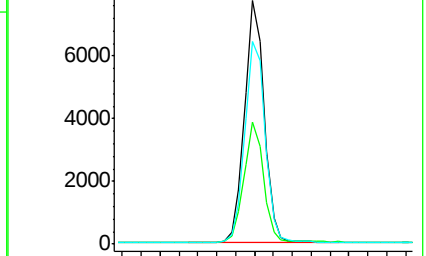
154 83.2 72.0 108.0

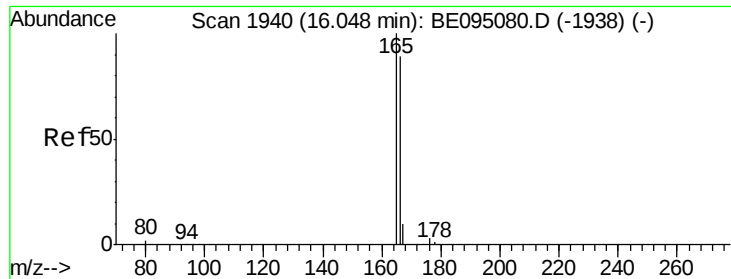


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.409 ng/ul

RT: 16.05 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

Instrument :

BNA_E

ClientSampleId :

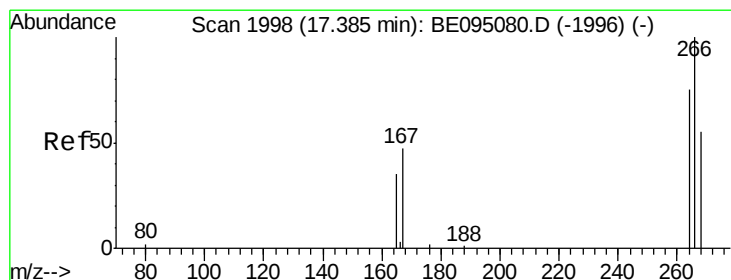
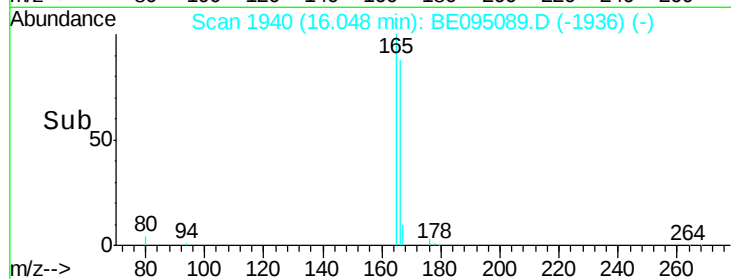
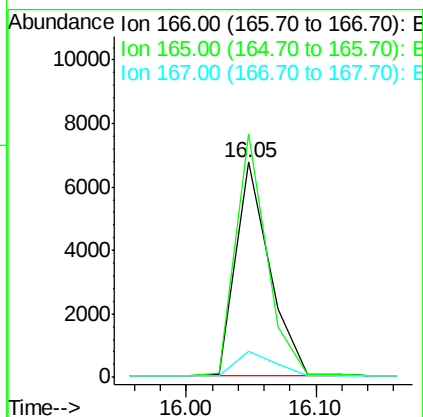
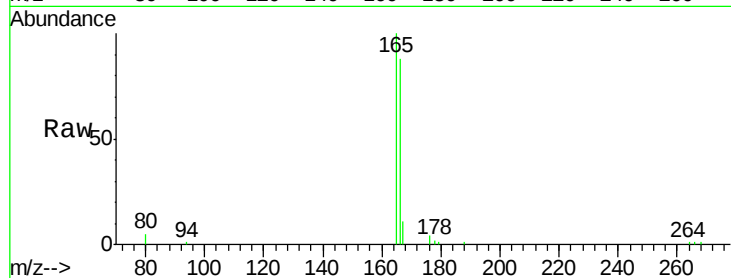
Tot Ion:166 Resp: 12363

Ion Ratio Lower Upper

166 100

165 113.3 73.4 110.2#

167 12.3 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.874 ng/ul

RT: 17.38 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

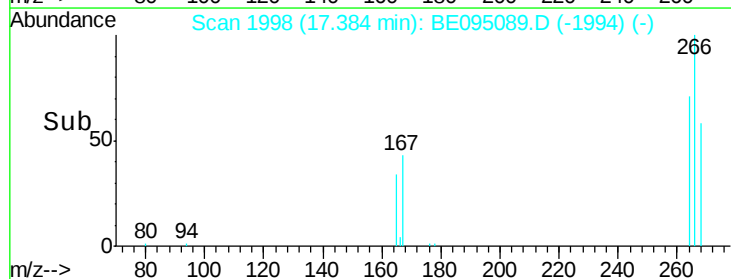
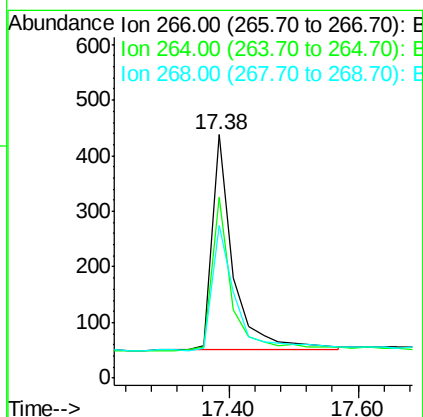
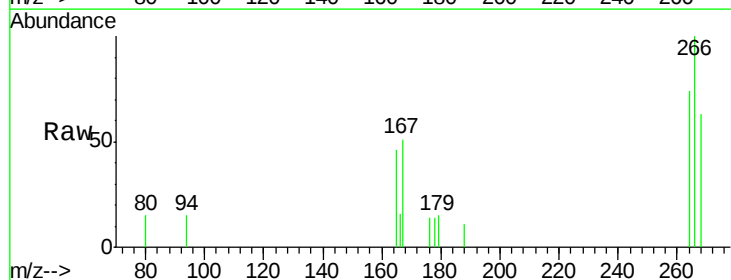
Tgt Ion:266 Resp: 883

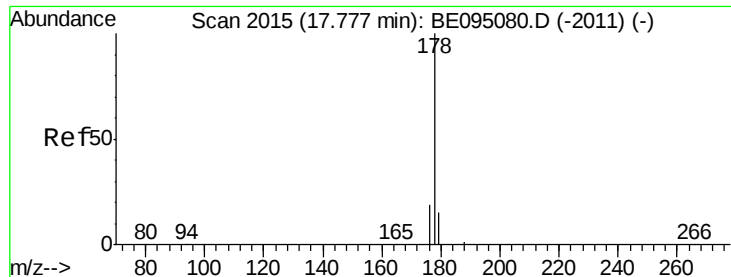
Ion Ratio Lower Upper

266 100

264 65.9 47.9 71.9

268 65.8 49.8 74.8





#12

Phenanthrene

Concen: 0.490 ng/ul

RT: 17.78 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

Instrument :

BNA_E

ClientSampleId :

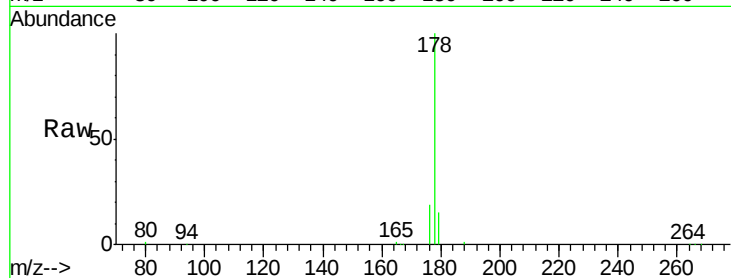
Tot Ion:178 Resp: 22196

Ion Ratio Lower Upper

178 100

179 15.2 18.4 27.6#

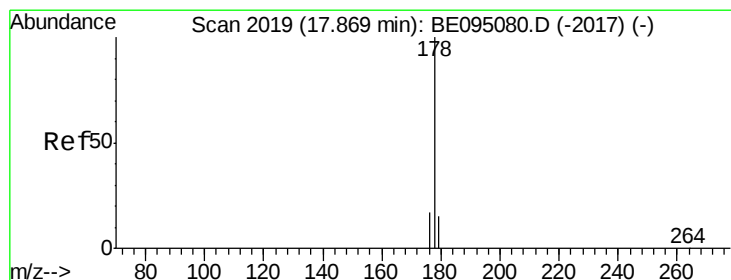
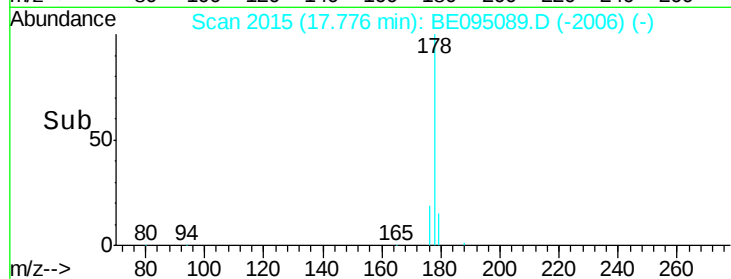
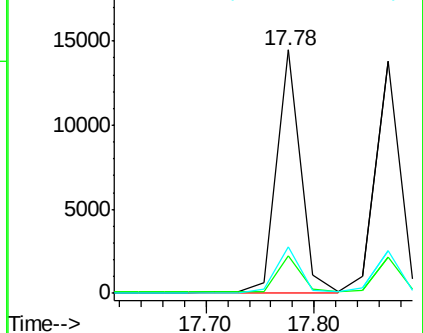
176 19.4 13.6 20.4



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: 0.539 ng/ul

RT: 17.87 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

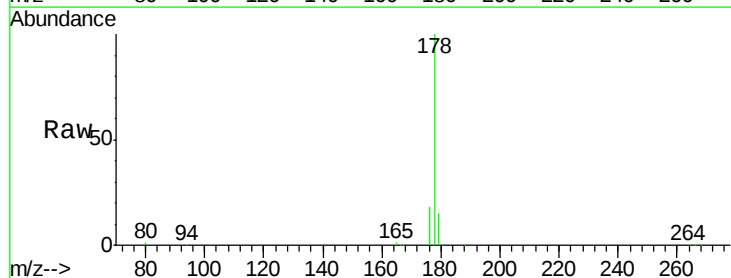
Tgt Ion:178 Resp: 21299

Ion Ratio Lower Upper

178 100

179 15.4 18.1 27.1#

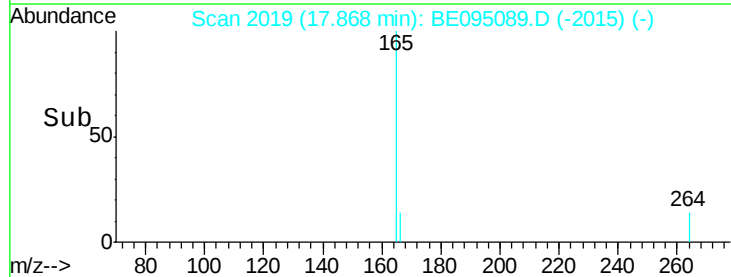
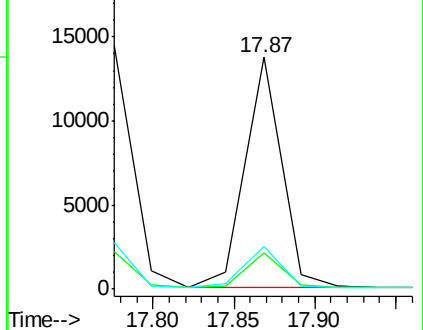
176 18.4 14.7 22.1

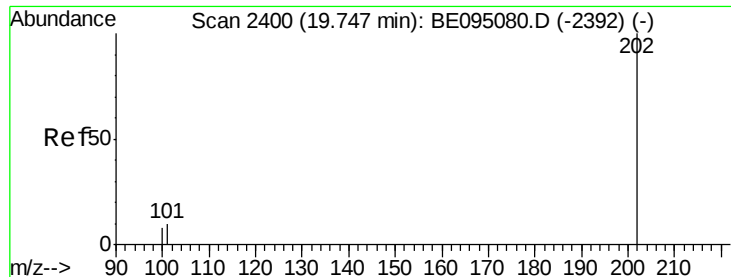


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.450 ng/ul

RT: 19.75 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

Instrument :

BNA_E

ClientSampleId :

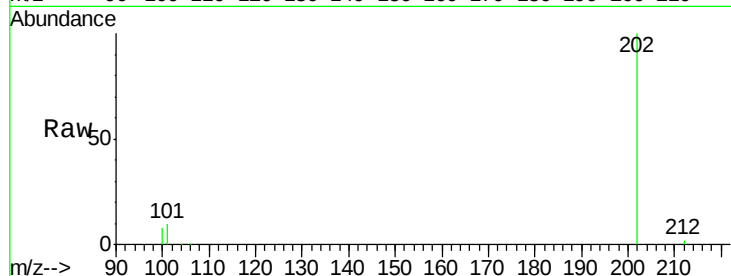
Tot Ion:202 Resp: 26091

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.3

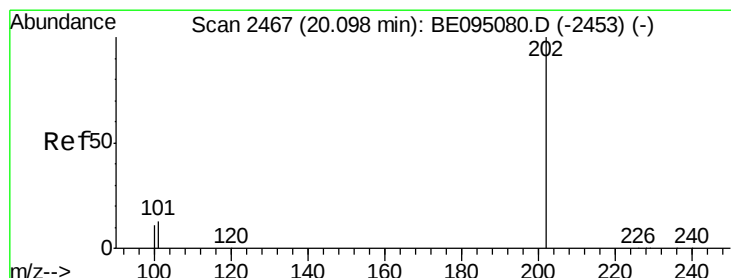
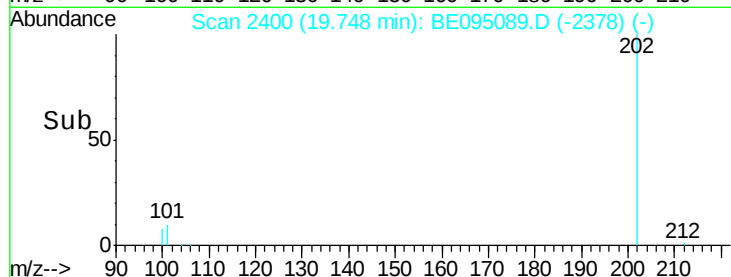
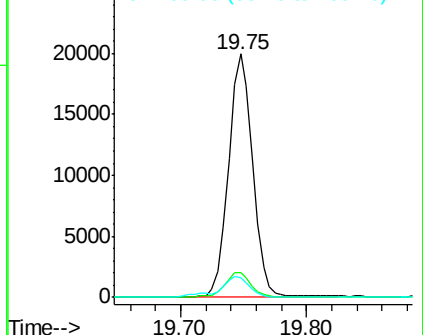
100 8.1 0.0 39.5



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: 0.382 ng/ul

RT: 20.10 min Scan# 2467

Delta R.T. 0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

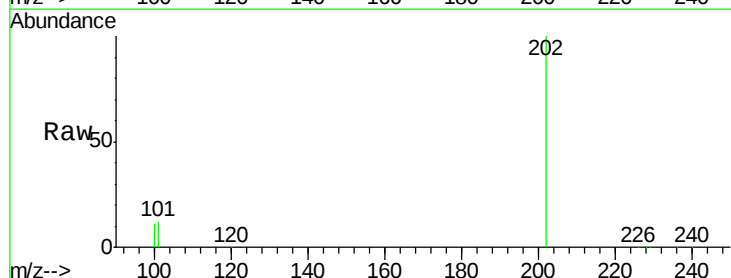
Tgt Ion:202 Resp: 26761

Ion Ratio Lower Upper

202 100

101 12.3 18.2 27.4#

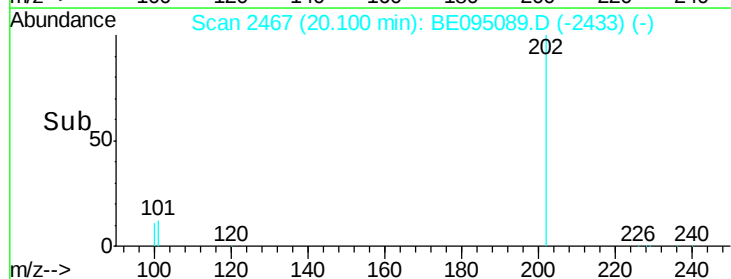
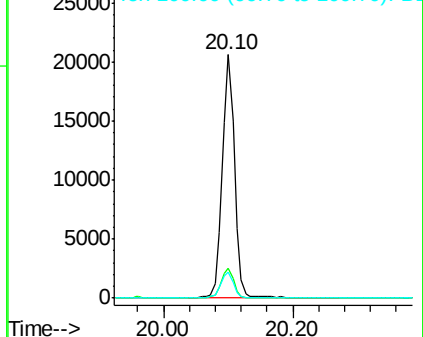
100 10.9 15.6 23.4#

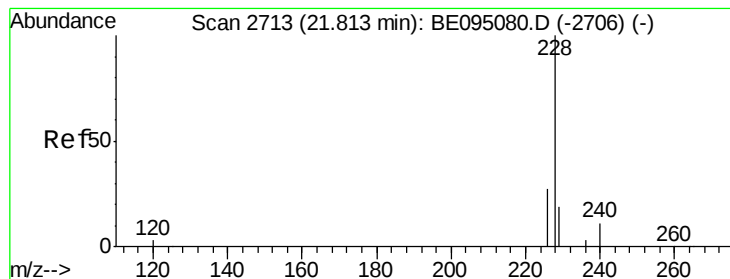


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.443 ng/ul

RT: 21.81 min Scan# 2713

Delta R.T. 0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

Instrument :

BNA_E

ClientSampleId :

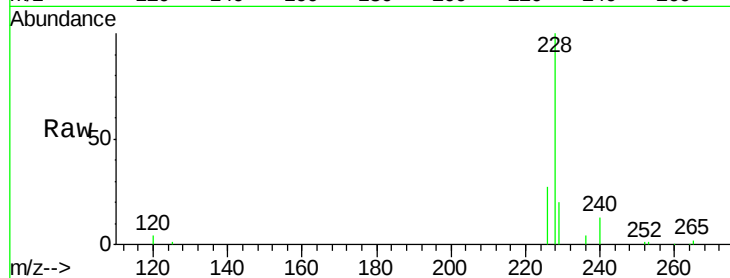
Tot Ion:228 Resp: 23662

Ion Ratio Lower Upper

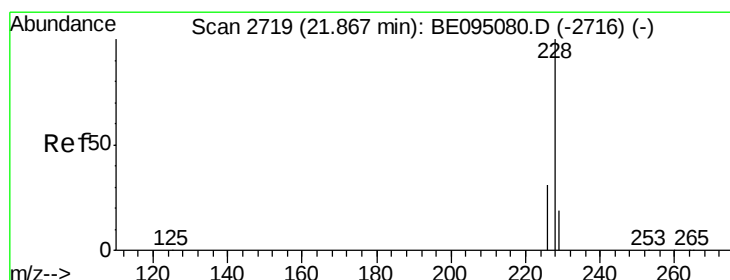
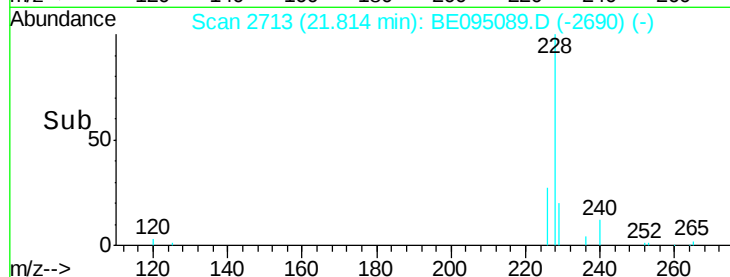
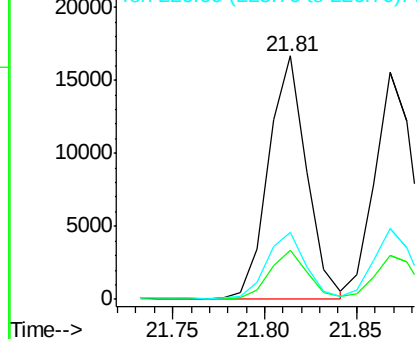
228 100

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: 0.382 ng/ul

RT: 21.87 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

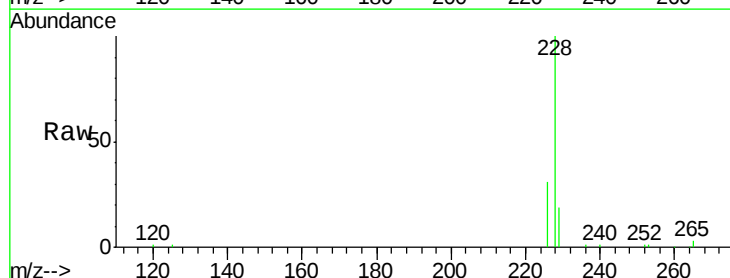
Tgt Ion:228 Resp: 22731

Ion Ratio Lower Upper

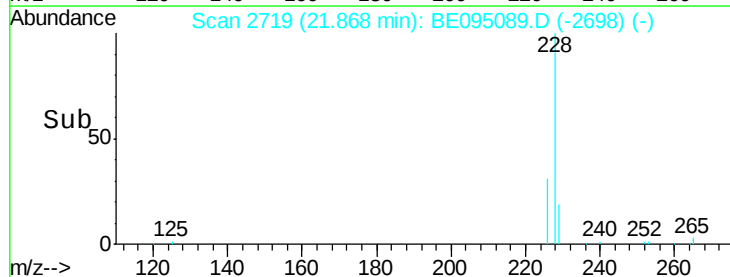
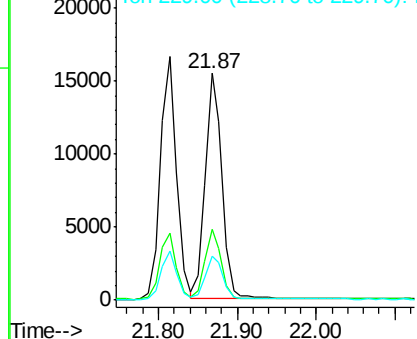
228 100

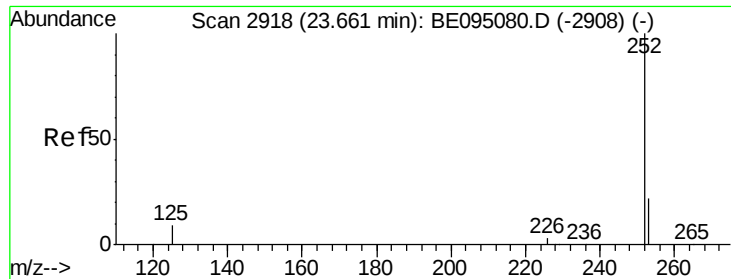
226 31.4 23.4 35.0

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: 0.388 ng/ul

RT: 23.66 min Scan# 2918

Delta R.T. 0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

Instrument :

BNA_E

ClientSampleId :

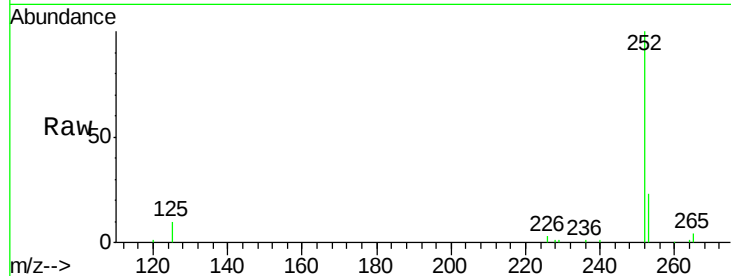
Tot Ion:252 Resp: 22965

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

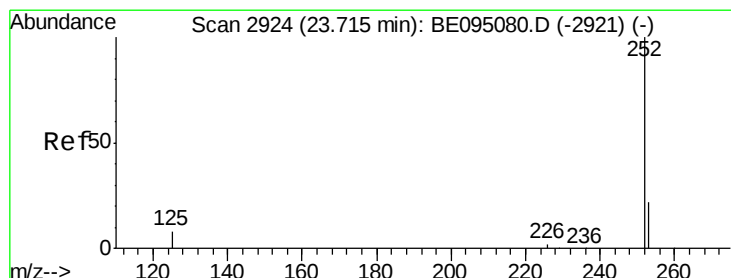
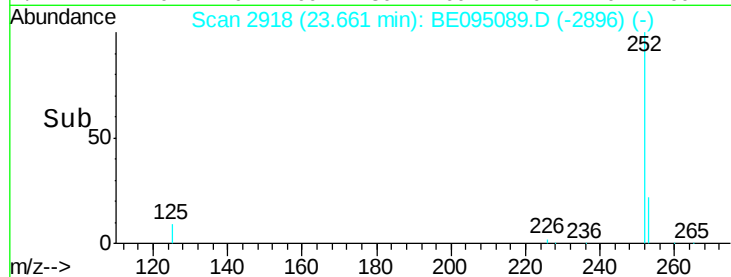
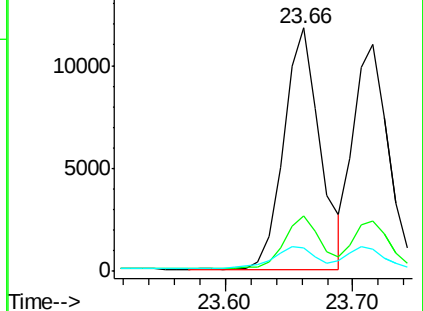
125 9.8 0.0 35.0



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: 0.382 ng/ul

RT: 23.72 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

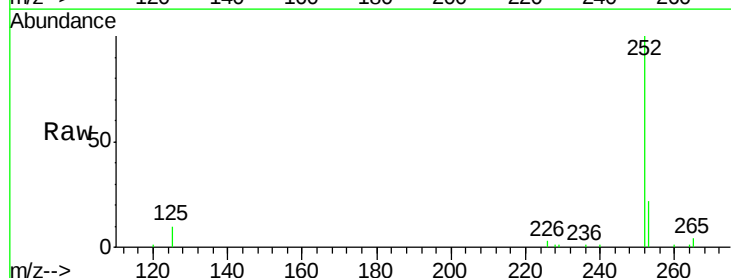
Tgt Ion:252 Resp: 20844

Ion Ratio Lower Upper

252 100

253 21.9 24.5 36.7#

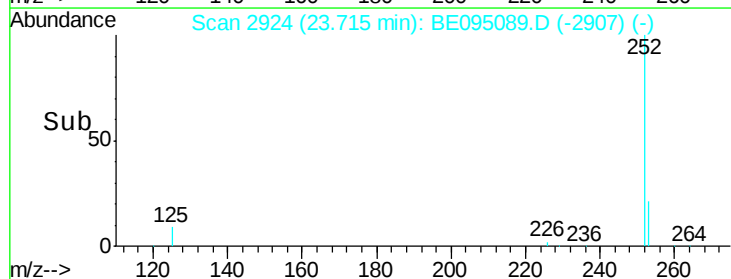
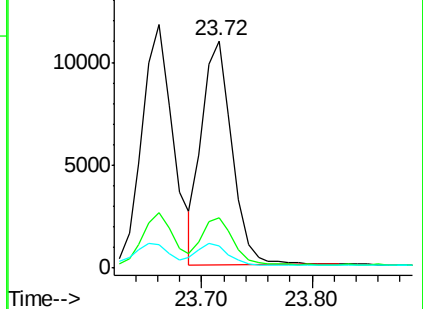
125 9.7 13.7 20.5#

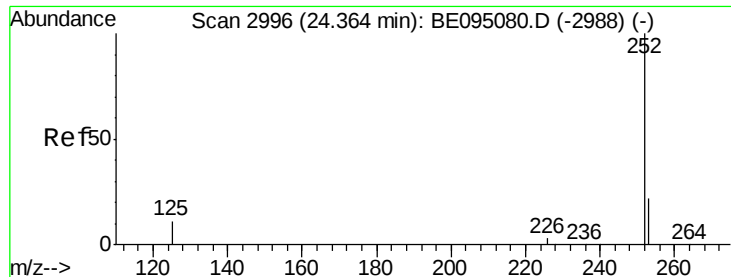


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.420 ng/ul

RT: 24.36 min Scan# 2996

Delta R.T. 0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

Instrument :

BNA_E

ClientSampleId :

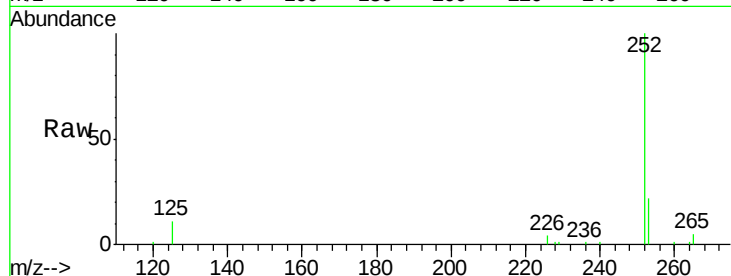
Tot Ion:252 Resp: 21215

Ion Ratio Lower Upper

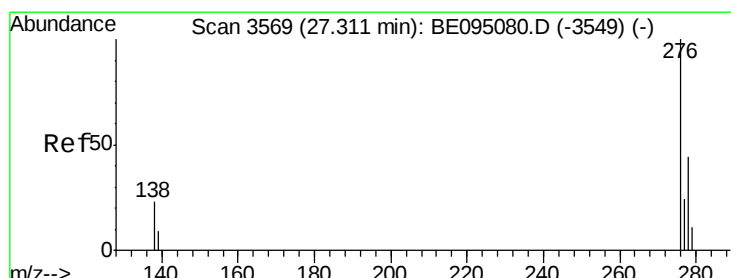
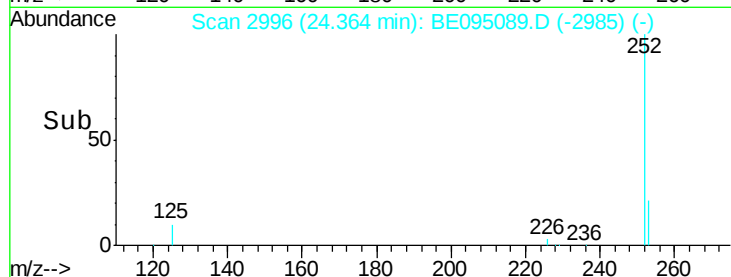
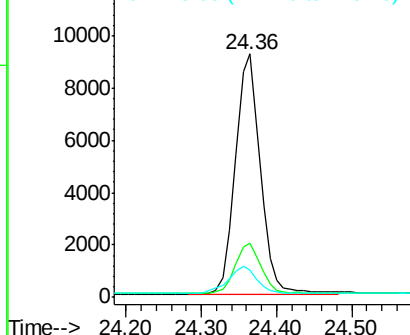
252 100

253 22.4 28.5 42.7#

125 11.5 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: 0.510 ng/ul

RT: 27.31 min Scan# 3569

Delta R.T. -0.00 min

Lab File: BE095089.D

Acq: 20 Jan 2018 14:46

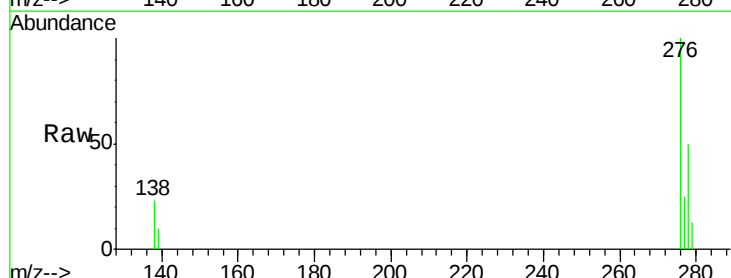
Tgt Ion:276 Resp: 22899

Ion Ratio Lower Upper

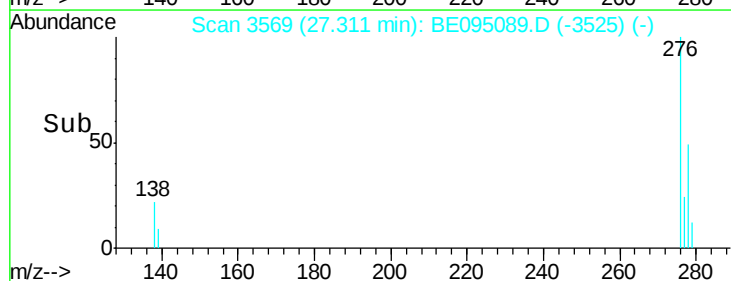
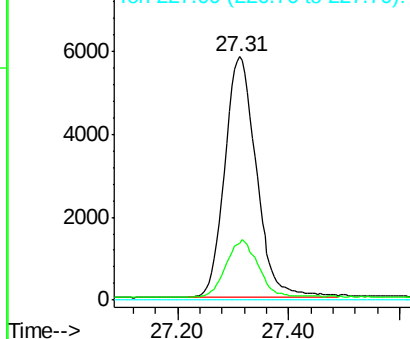
276 100

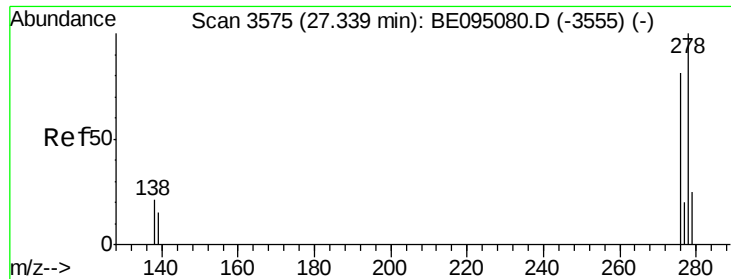
138 24.9 28.0 42.0#

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

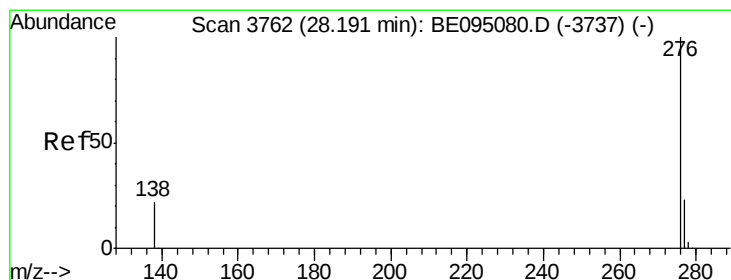
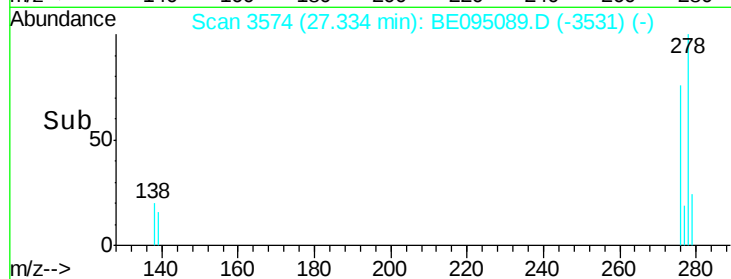
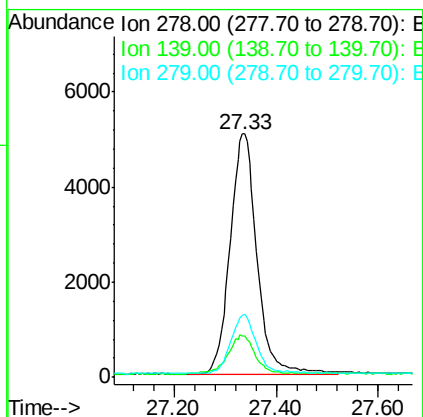
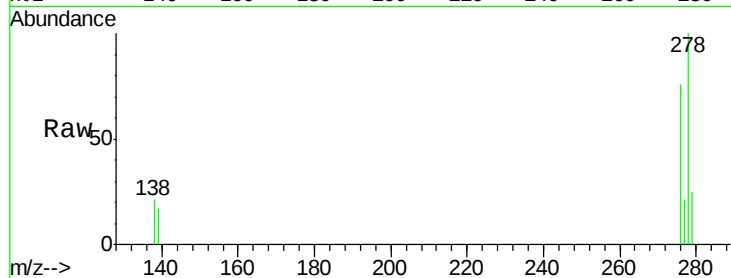




#25
Dibenzo(a,h)anthracene
Concen: 0.576 ng/ul
RT: 27.33 min Scan# 3574
Delta R.T. -0.00 min
Lab File: BE095089.D
Acq: 20 Jan 2018 14:46

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 18480
Ion Ratio Lower Upper
278 100
139 17.0 17.4 26.0#
279 25.4 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.438 ng/ul
RT: 28.19 min Scan# 3761
Delta R.T. -0.00 min
Lab File: BE095089.D
Acq: 20 Jan 2018 14:46

Tgt Ion:276 Resp: 19536
Ion Ratio Lower Upper
276 100
138 21.6 21.8 32.8#
277 23.7 20.5 30.7

