

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121817\
 Data File : BE095026.D
 Acq On : 19 Dec 2017 00:46
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 19 04:23:11 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE121817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:08:16 2017
 Response via : Initial Calibration

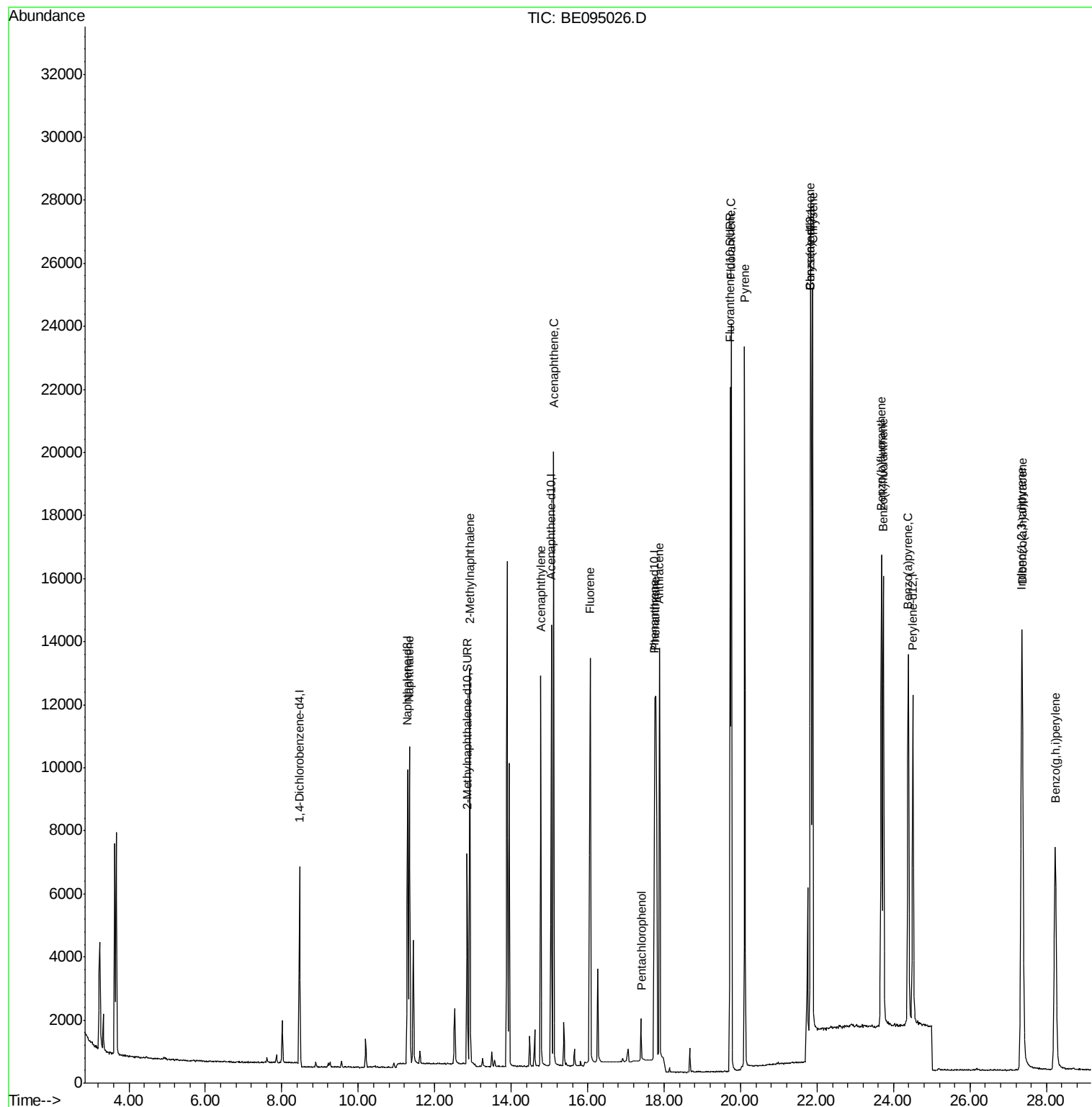
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	4056	0.40	ng/ul	0.00
2) Naphthalene-d8	11.29	136	13086	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.05	164	7519	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.75	188	18244	0.40	ng/ul	0.00
16) Chrysene-d12	21.84	240	18279	0.40	ng/ul	0.00
20) Perylene-d12	24.51	264	16054	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.85	152	9170	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.73	212	23846	0.42	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	14329	0.412	ng/ul#	88
5) 2-Methylnaphthalene	12.91	142	10226	0.380	ng/ul	99
7) Acenaphthylene	14.77	152	15118	0.440	ng/ul	95
8) Acenaphthene	15.11	153	11189	0.424	ng/ul	96
9) Fluorene	16.07	166	12231	0.417	ng/ul	91
11) Pentachlorophenol	17.41	266	1000	0.540	ng/ul#	60
12) Phenanthrene	17.78	178	19741	0.411	ng/ul#	81
13) Anthracene	17.87	178	18660	0.409	ng/ul#	87
15) Fluoranthene	19.76	202	26017	0.415	ng/ul	84
17) Pyrene	20.11	202	26379	0.415	ng/ul#	78
18) Benzo(a)anthracene	21.82	228	23326	0.444	ng/ul#	84
19) Chrysene	21.89	228	22786	0.409	ng/ul	98
21) Benzo(b)fluoranthene	23.68	252	21903	0.391	ng/ul	84
22) Benzo(k)fluoranthene	23.73	252	21152	0.414	ng/ul#	87
23) Benzo(a)pyrene	24.38	252	20533	0.426	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.35	276	21952	0.415	ng/ul#	81
25) Dibenzo(a,h)anthracene	27.37	278	18049	0.422	ng/ul#	88
26) Benzo(g,h,i)perylene	28.23	276	18706	0.408	ng/ul	94

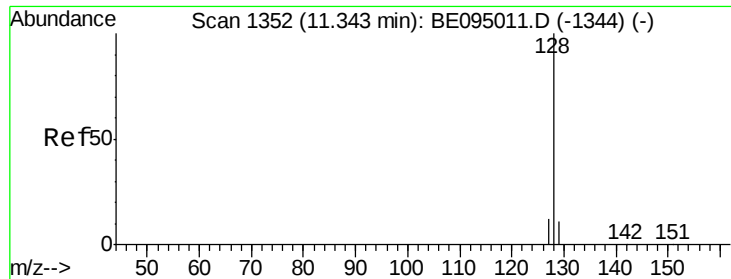
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.412 ng/ul

RT: 11.34 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

Instrument :

BNA_E

ClientSampleId :

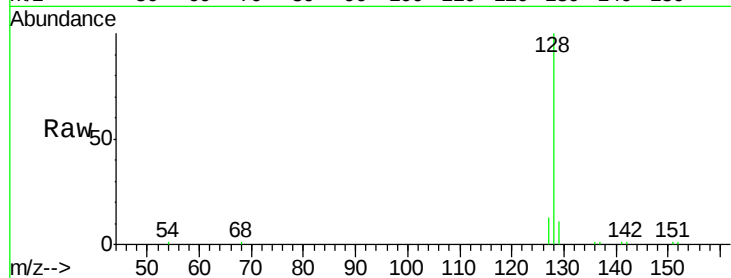
Tot Ion:128 Resp: 14329

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9#

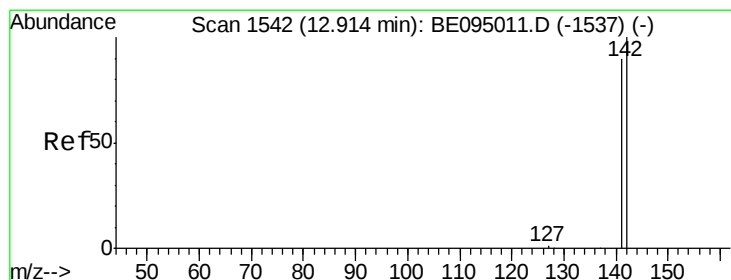
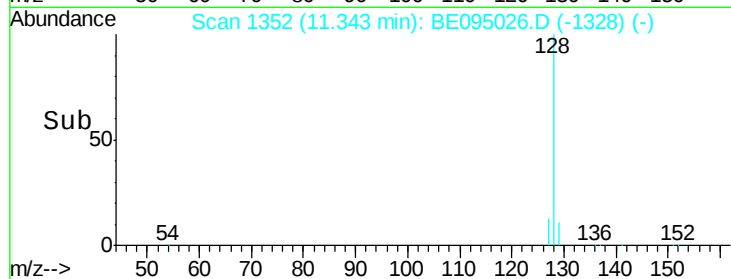
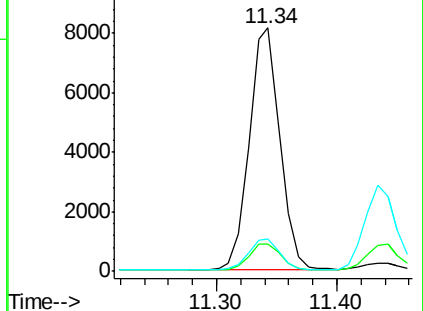
127 13.4 4.0 6.0#



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: 0.380 ng/ul

RT: 12.91 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BE095026.D

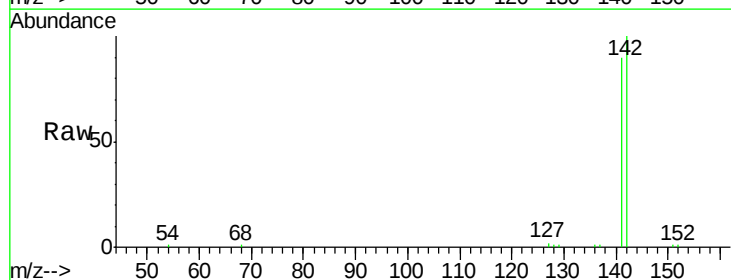
Acq: 19 Dec 2017 00:46

Tgt Ion:142 Resp: 10226

Ion Ratio Lower Upper

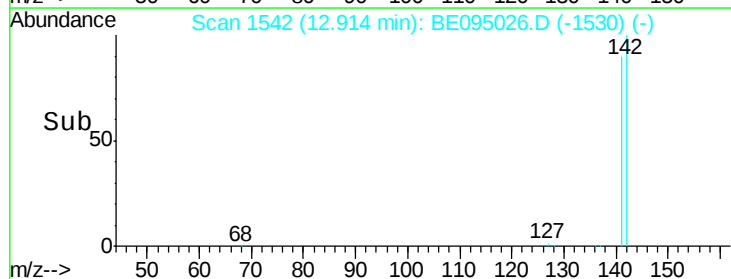
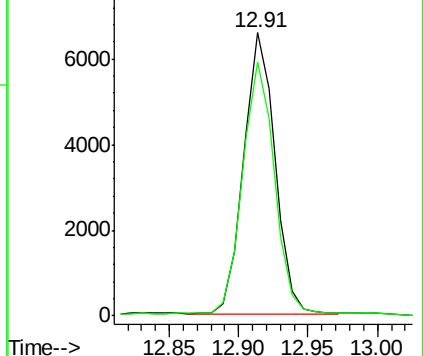
142 100

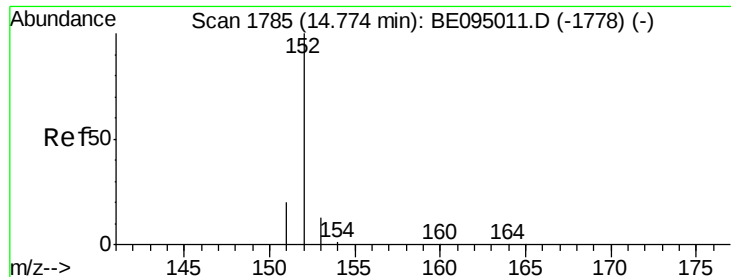
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.440 ng/ul

RT: 14.77 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

Instrument :

BNA_E

ClientSampleId :

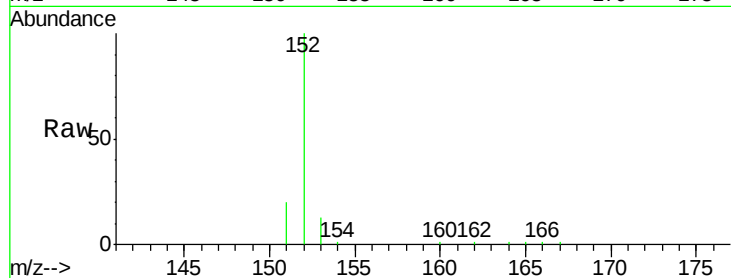
Tot Ion:152 Resp: 15118

Ion Ratio Lower Upper

152 100

151 19.8 17.1 25.7

153 13.4 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

12000

10000

8000

6000

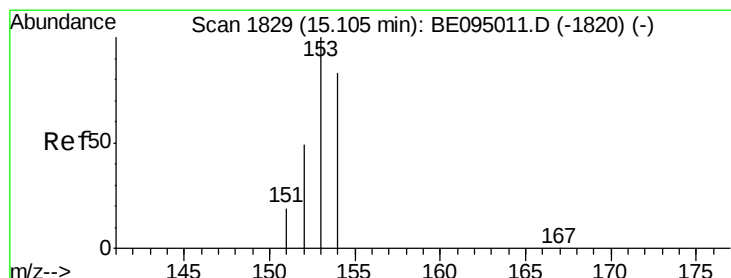
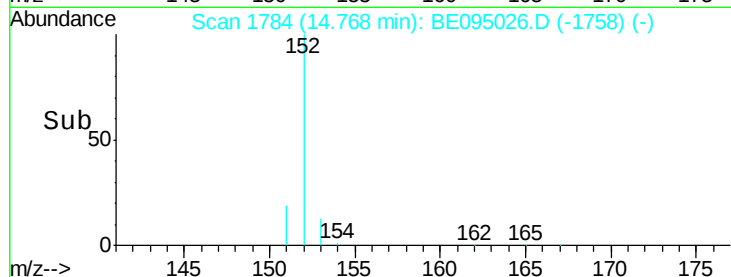
4000

2000

0

14.77

Time--> 14.60 14.80 15.00



#8

Acenaphthene

Concen: 0.424 ng/ul

RT: 15.11 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

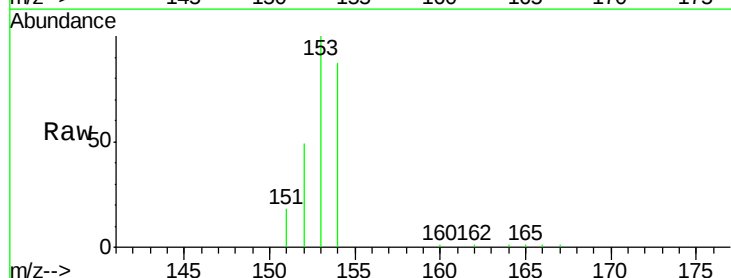
Tgt Ion:153 Resp: 11189

Ion Ratio Lower Upper

153 100

152 49.0 36.0 54.0

154 87.1 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

10000

8000

6000

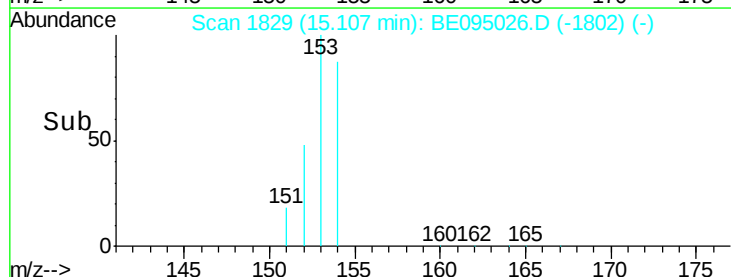
4000

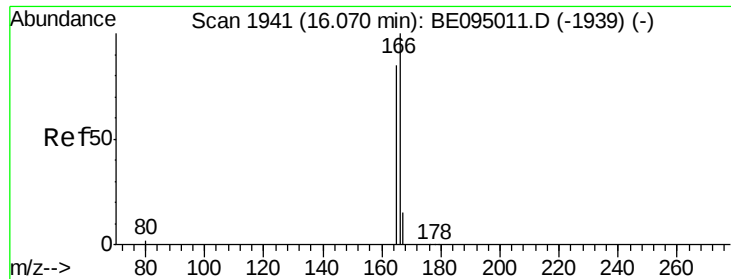
2000

0

15.11

Time--> 15.00 15.10 15.20

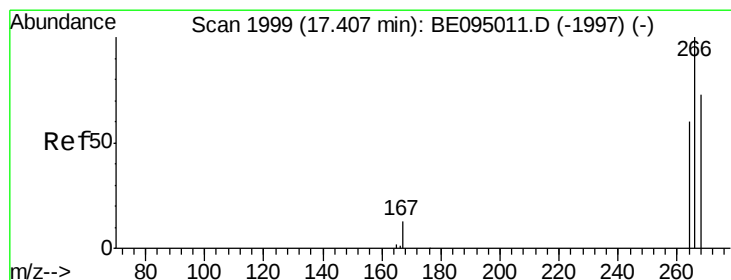
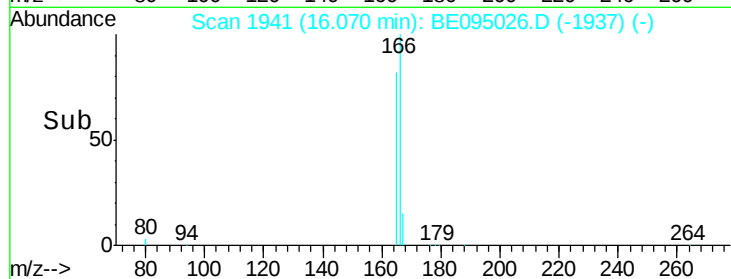
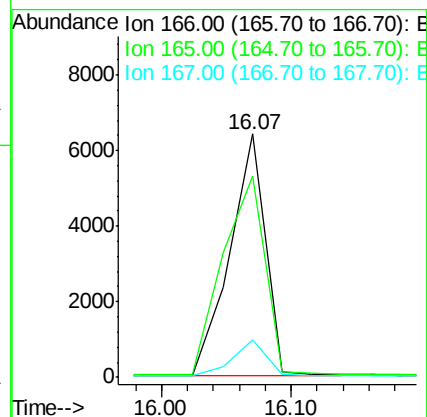
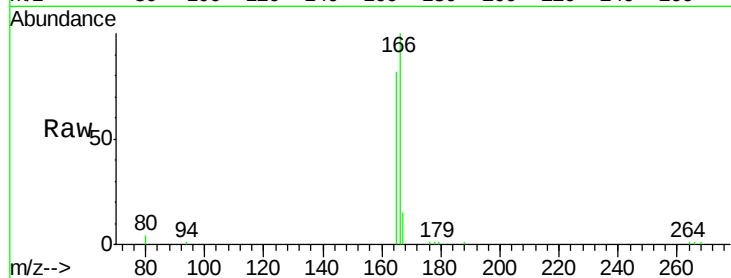




#9
Fluorene
 Concen: 0.417 ng/ul
 RT: 16.07 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: BE095026.D
 Acq: 19 Dec 2017 00:46

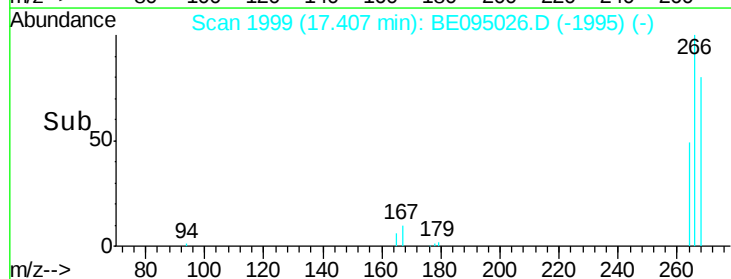
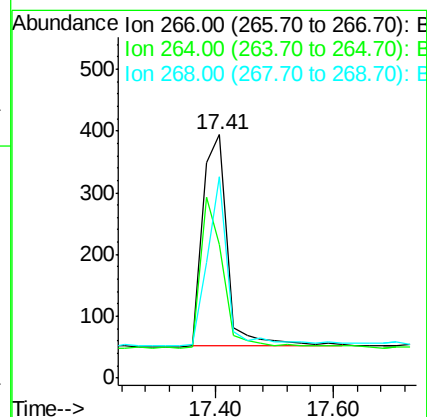
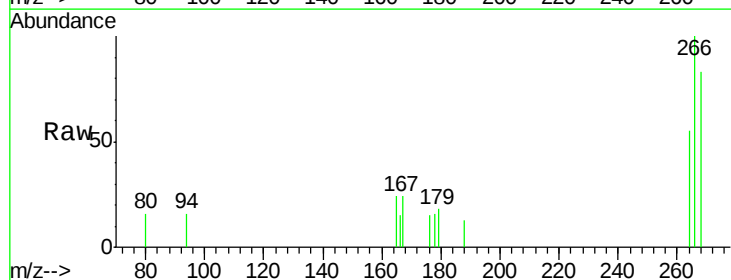
Instrument :
 BNA_E
 ClientSampleId :

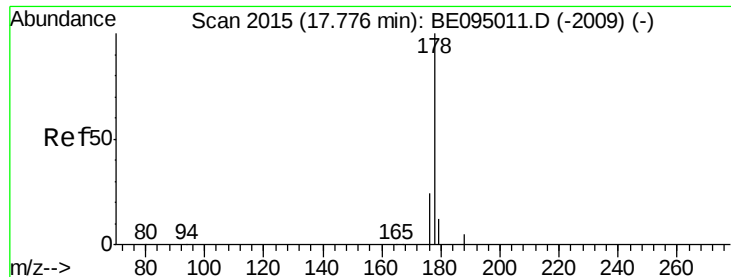
Tot Ion:166 Resp: 12231
 Ion Ratio Lower Upper
 166 100
 165 82.5 73.4 110.2
 167 15.5 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.540 ng/ul
 RT: 17.41 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: BE095026.D
 Acq: 19 Dec 2017 00:46

Tgt Ion:266 Resp: 1000
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 64.6 49.8 74.8





#12

Phenanthrene

Concen: 0.411 ng/ul

RT: 17.78 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

Instrument :

BNA_E

ClientSampleId :

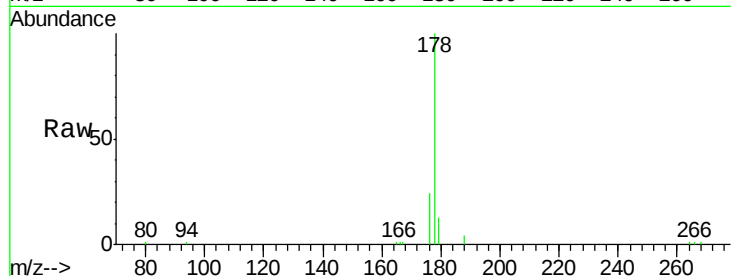
Tot Ion:178 Resp: 19741

Ion Ratio Lower Upper

178 100

179 12.9 18.4 27.6#

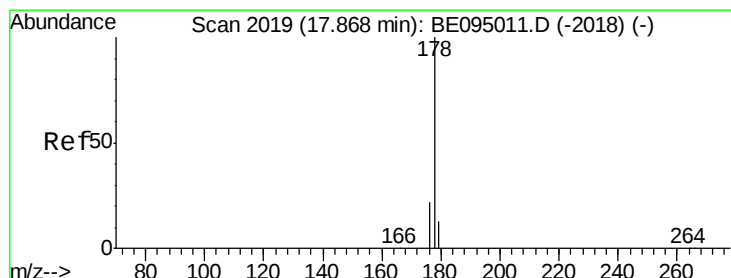
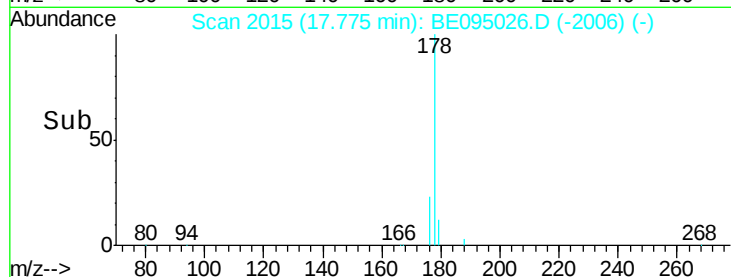
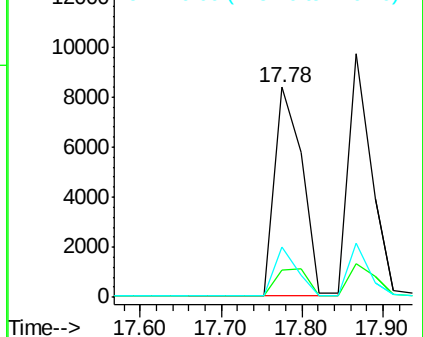
176 23.9 13.6 20.4#



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: 0.409 ng/ul

RT: 17.87 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

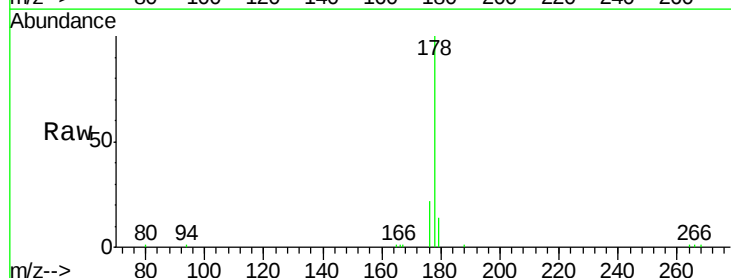
Tgt Ion:178 Resp: 18660

Ion Ratio Lower Upper

178 100

179 14.0 18.1 27.1#

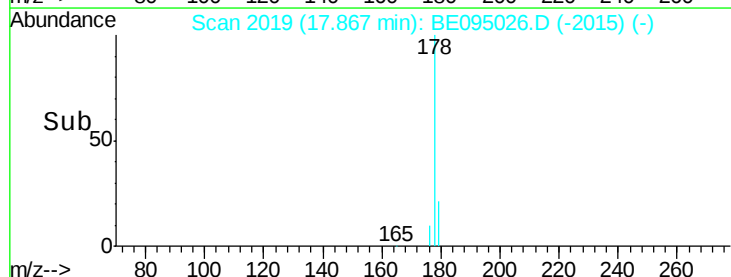
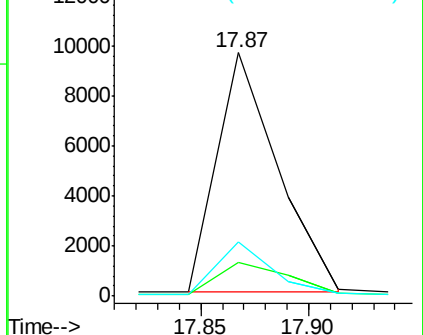
176 22.0 14.7 22.1

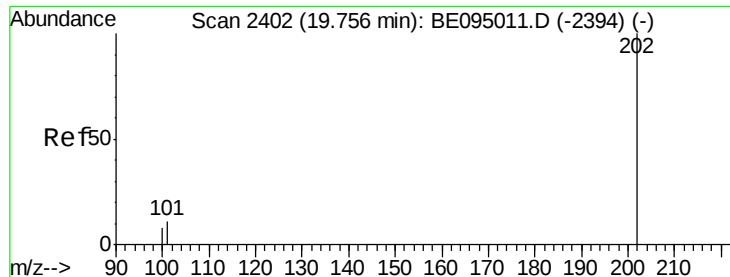


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.415 ng/ul

RT: 19.76 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

Instrument :

BNA_E

ClientSampleId :

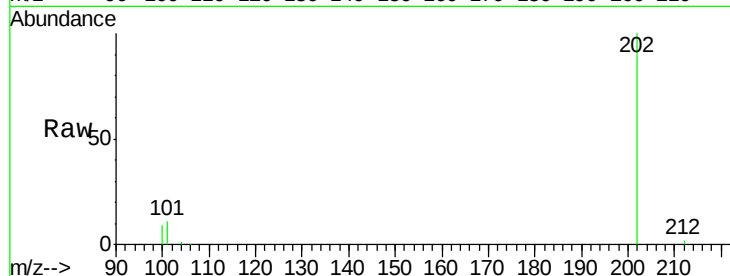
Tot Ion:202 Resp: 26017

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.3

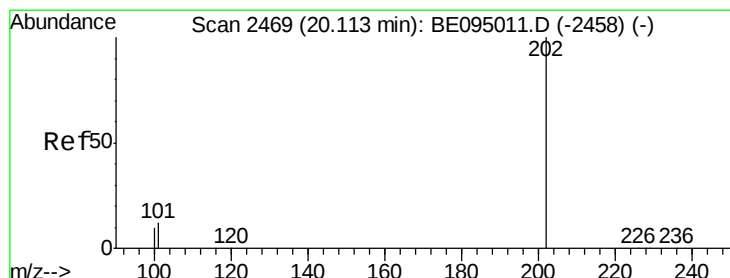
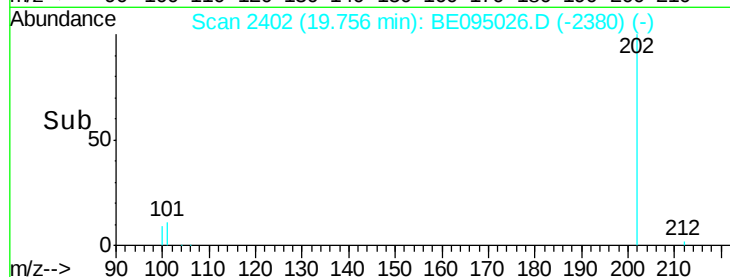
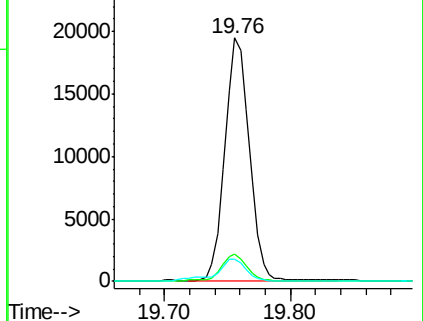
100 9.1 0.0 39.5



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: 0.415 ng/ul

RT: 20.11 min Scan# 2469

Delta R.T. -0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

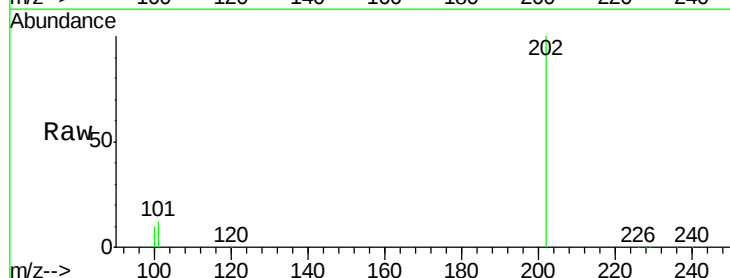
Tgt Ion:202 Resp: 26379

Ion Ratio Lower Upper

202 100

101 12.0 18.2 27.4#

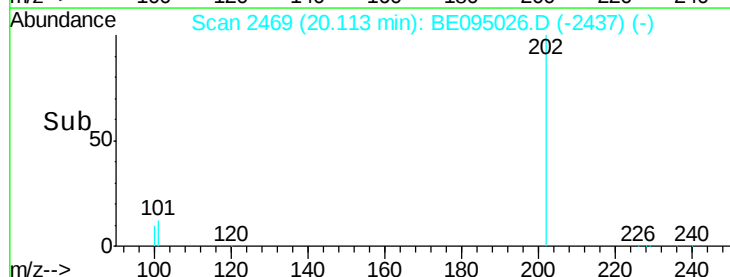
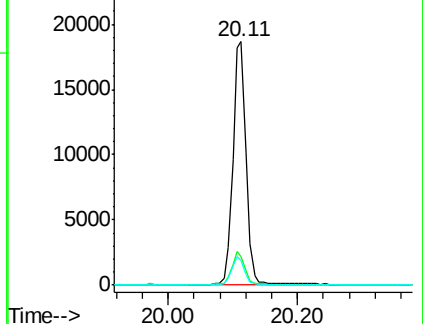
100 10.1 15.6 23.4#

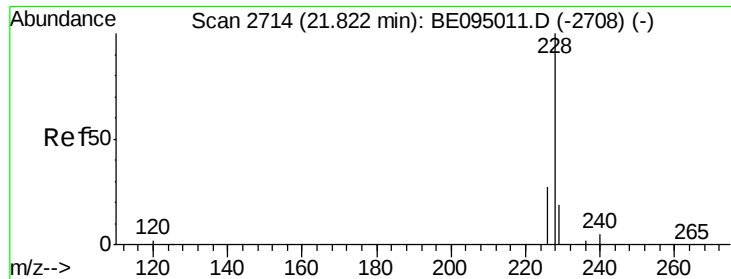


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.444 ng/ul

RT: 21.82 min Scan# 2714

Delta R.T. -0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

Instrument :

BNA_E

ClientSampleId :

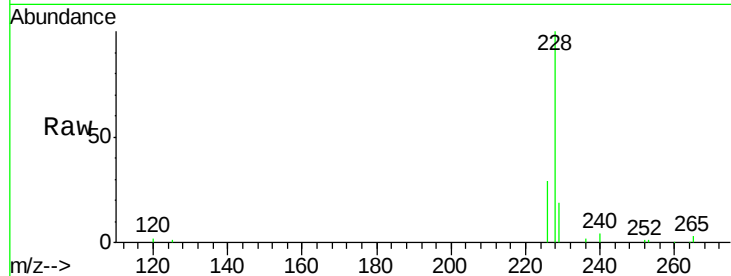
Tot Ion:228 Resp: 23326

Ion Ratio Lower Upper

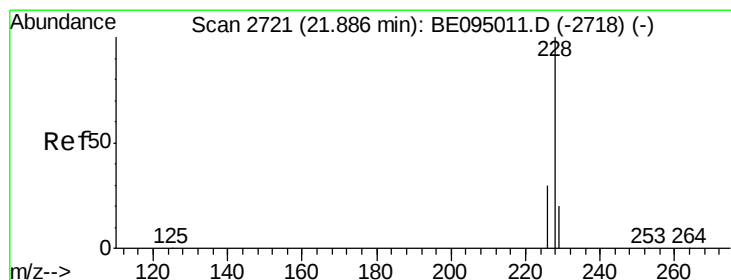
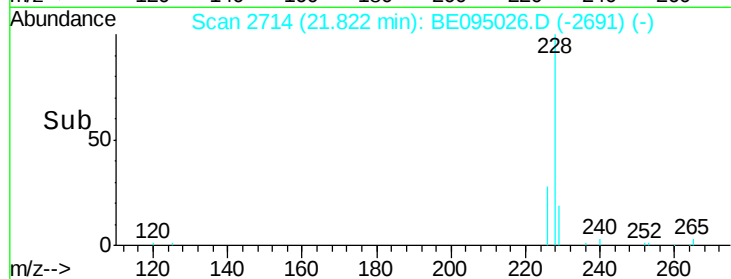
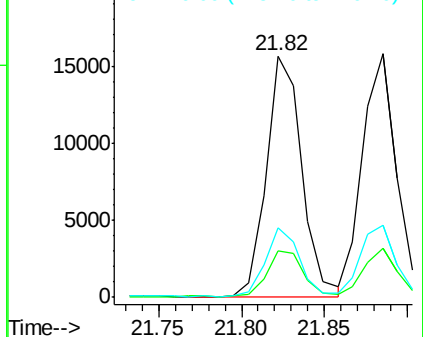
228 100

229 19.5 22.8 34.2#

226 28.6 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: 0.409 ng/ul

RT: 21.89 min Scan# 2721

Delta R.T. -0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

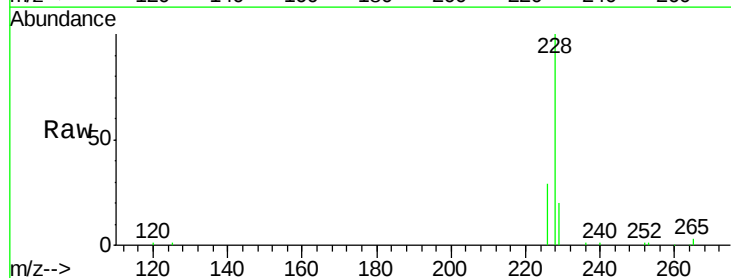
Tgt Ion:228 Resp: 22786

Ion Ratio Lower Upper

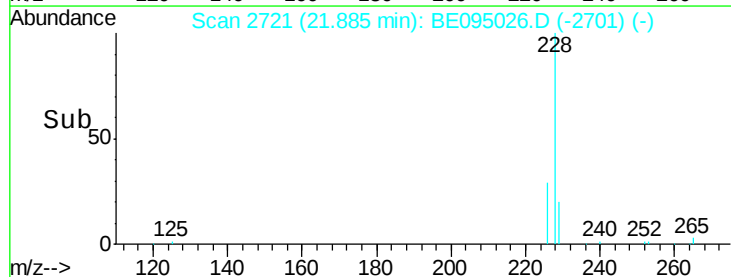
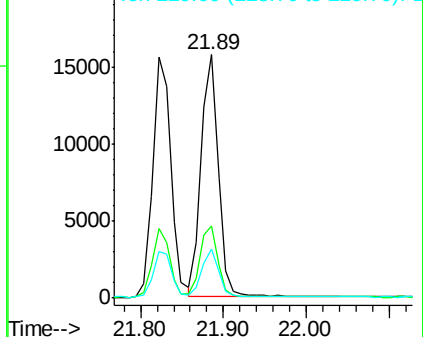
228 100

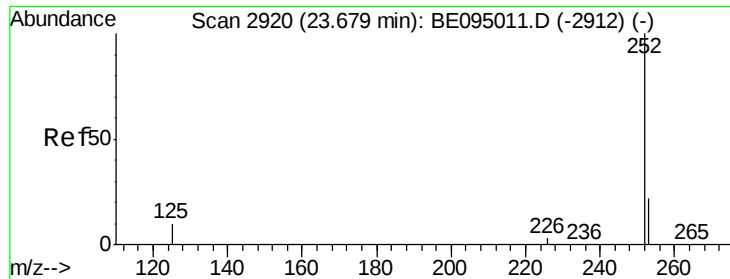
226 29.4 23.4 35.0

229 20.1 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: 0.391 ng/ul

RT: 23.68 min Scan# 2920

Delta R.T. -0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

Instrument :

BNA_E

ClientSampleId :

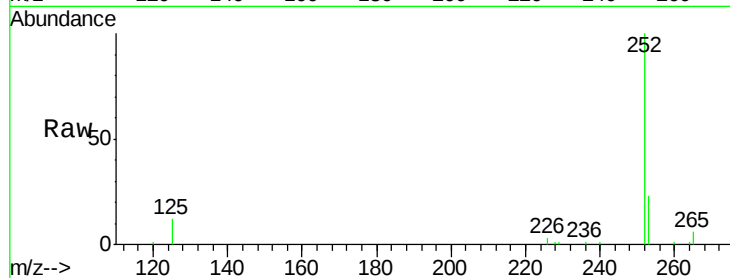
Tot Ion:252 Resp: 21903

Ion Ratio Lower Upper

252 100

253 22.5 0.0 64.2

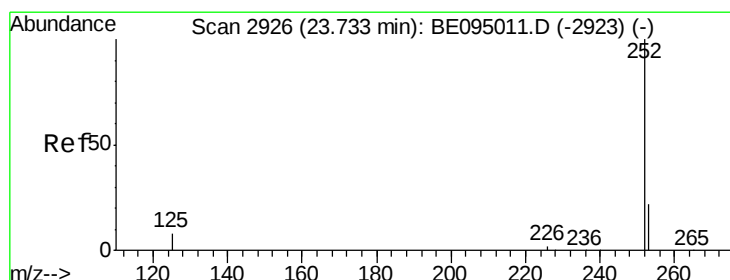
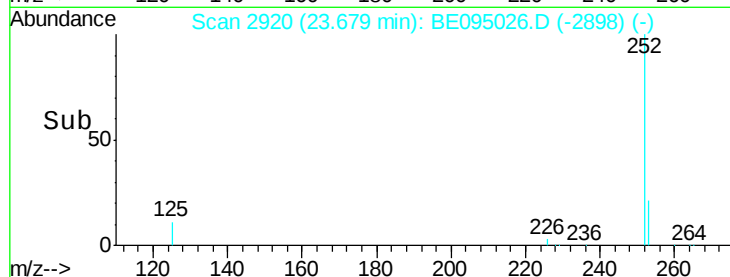
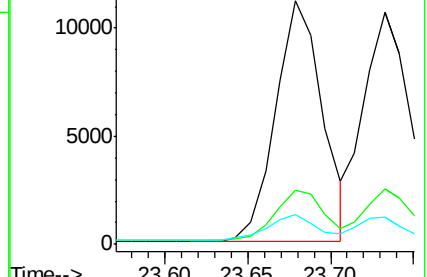
125 12.0 0.0 35.0



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: 0.414 ng/ul

RT: 23.73 min Scan# 2926

Delta R.T. -0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

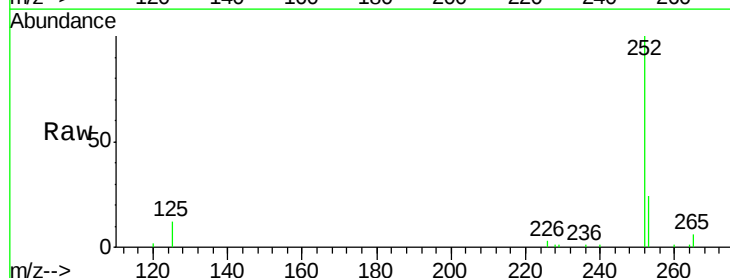
Tgt Ion:252 Resp: 21152

Ion Ratio Lower Upper

252 100

253 23.7 24.5 36.7#

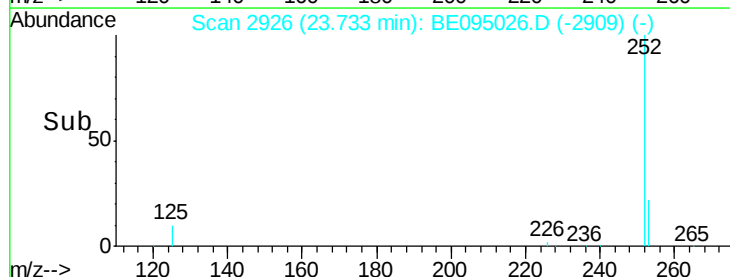
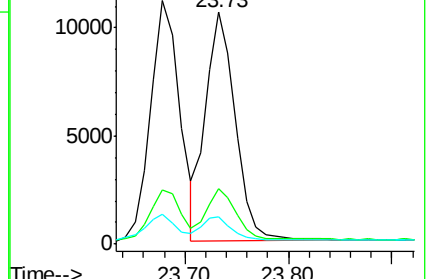
125 11.6 13.7 20.5#

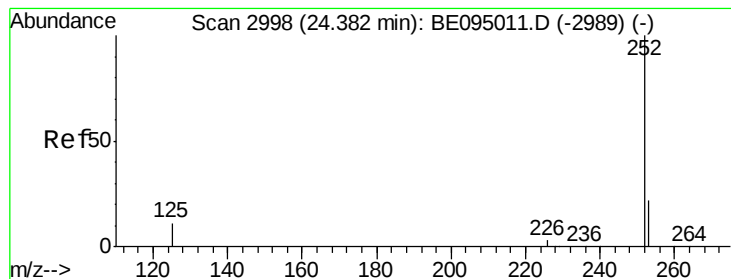


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.426 ng/ul

RT: 24.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

Instrument :

BNA_E

ClientSampleId :

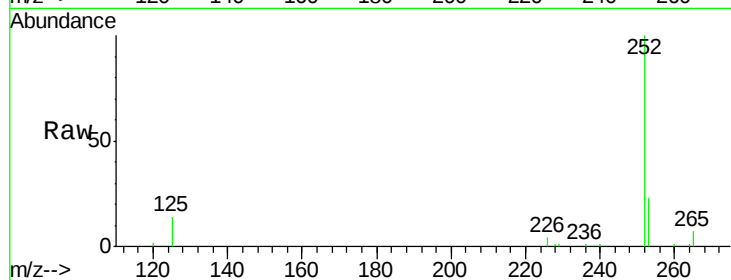
Tot Ion:252 Resp: 20533

Ion Ratio Lower Upper

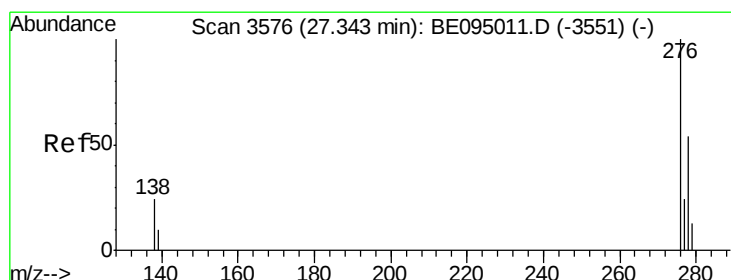
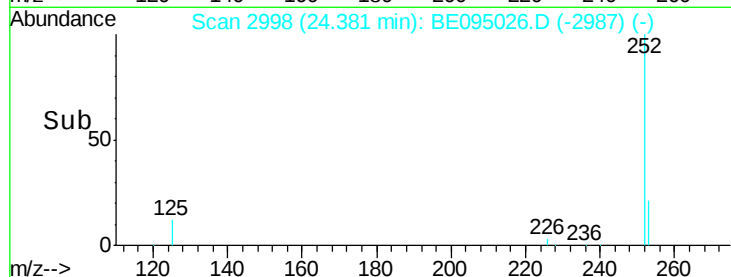
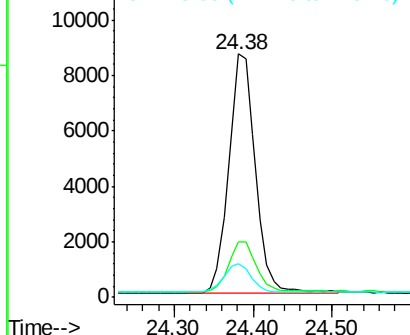
252 100

253 23.0 28.5 42.7#

125 14.1 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: 0.415 ng/ul

RT: 27.35 min Scan# 3577

Delta R.T. 0.00 min

Lab File: BE095026.D

Acq: 19 Dec 2017 00:46

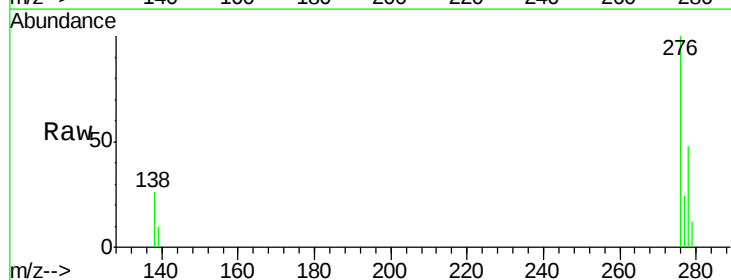
Tgt Ion:276 Resp: 21952

Ion Ratio Lower Upper

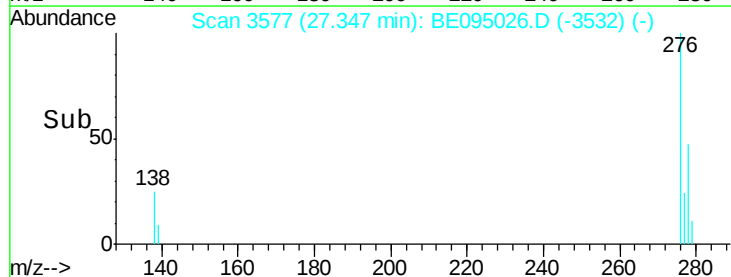
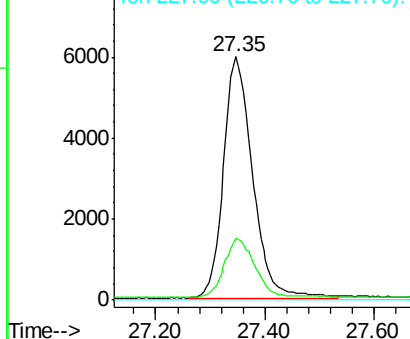
276 100

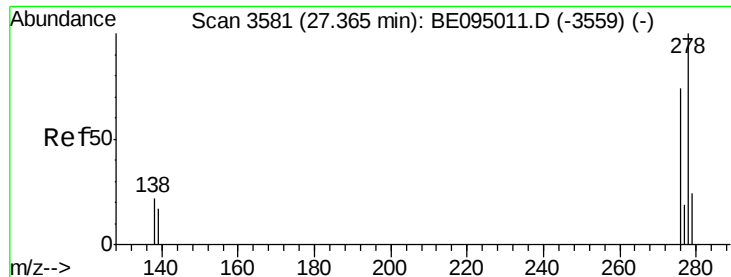
138 25.7 28.0 42.0#

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

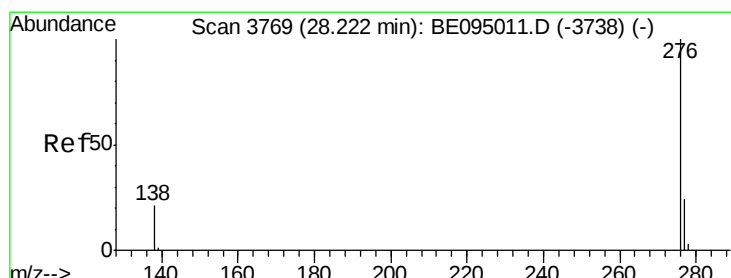
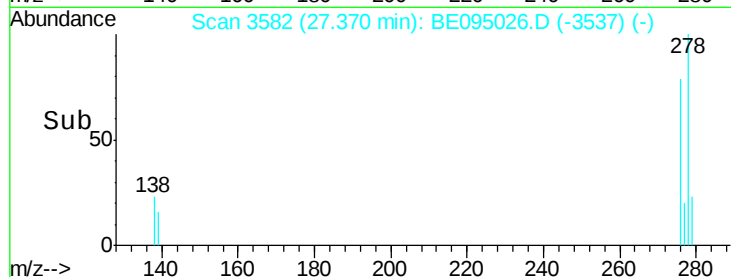
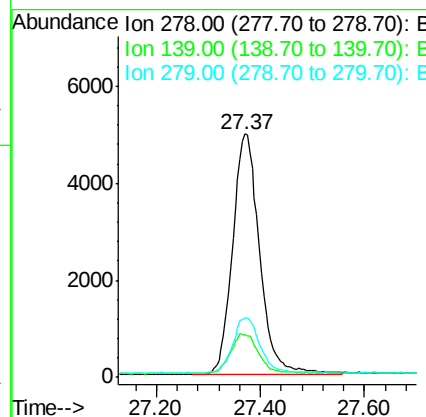
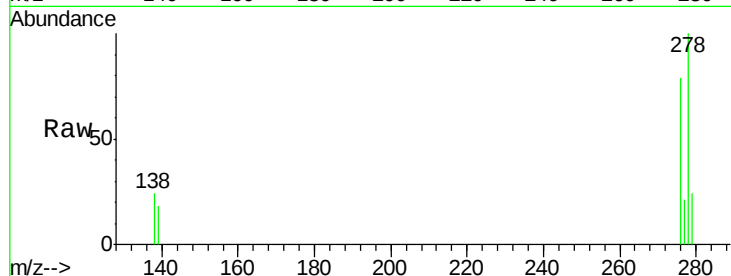




#25
Dibenzo(a,h)anthracene
Concen: 0.422 ng/ul
RT: 27.37 min Scan# 3582
Delta R.T. 0.00 min
Lab File: BE095026.D
Acq: 19 Dec 2017 00:46

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 18049
Ion Ratio Lower Upper
278 100
139 17.6 17.4 26.0
279 24.2 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.408 ng/ul
RT: 28.23 min Scan# 3771
Delta R.T. 0.01 min
Lab File: BE095026.D
Acq: 19 Dec 2017 00:46

Tgt Ion:276 Resp: 18706
Ion Ratio Lower Upper
276 100
138 22.7 21.8 32.8
277 24.6 20.5 30.7

