

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095275.D
 Acq On : 30 Jan 2018 8:51
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 31 01:18:52 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 30 06:14:31 2018
 Response via : Initial Calibration

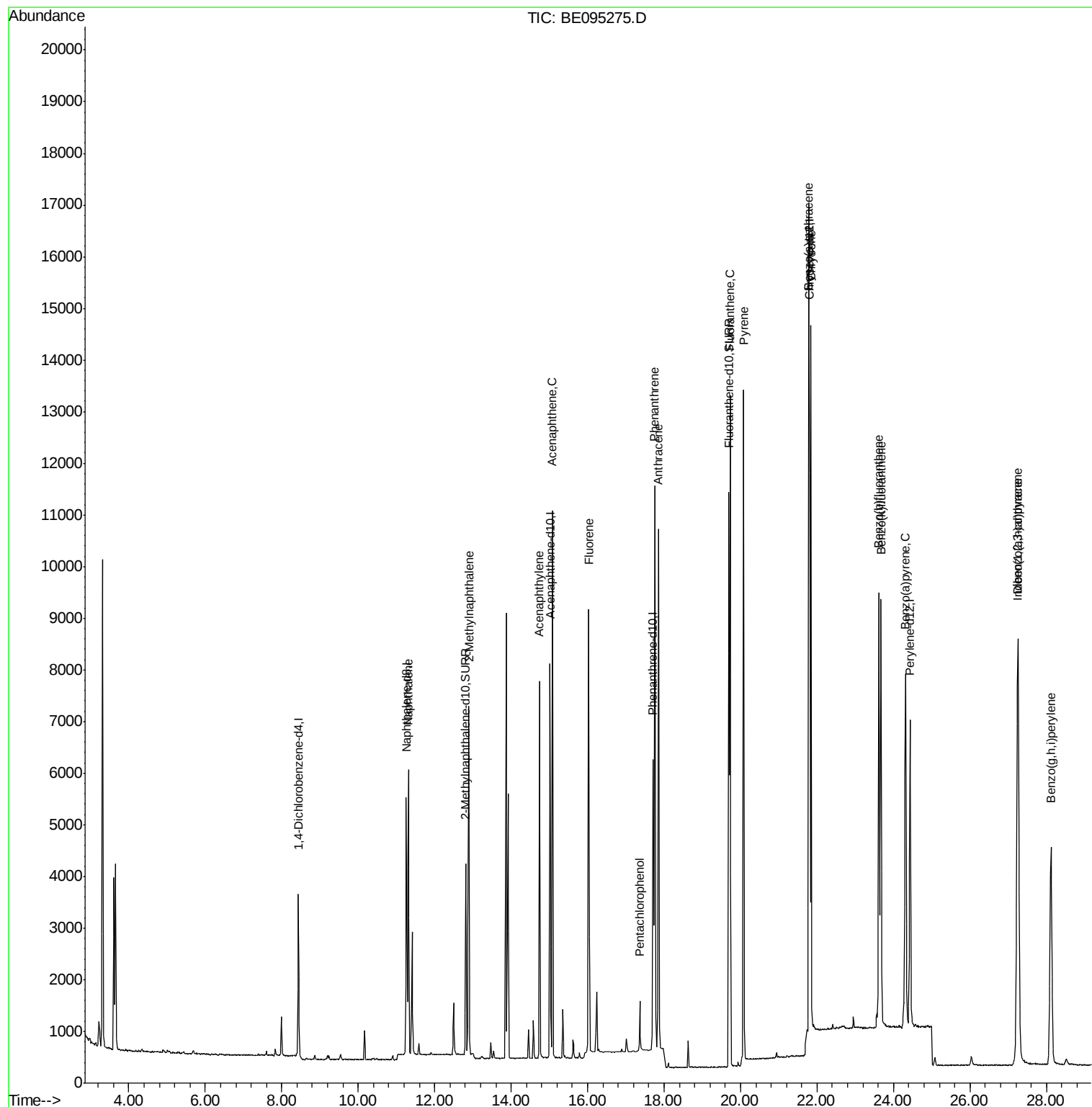
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2215	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	6776	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4114	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	8757	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	9646	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	9066	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	4749	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	12322	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	7684	0.405	ng/ul#	89
5) 2-Methylnaphthalene	12.89	142	5464	0.431	ng/ul	99
7) Acenaphthylene	14.74	152	8224	0.415	ng/ul	97
8) Acenaphthene	15.08	153	6155	0.401	ng/ul	94
9) Fluorene	16.03	166	6597	0.417	ng/ul#	75
11) Pentachlorophenol	17.36	266	672	0.396	ng/ul	97
12) Phenanthrene	17.75	178	12366	0.420	ng/ul#	88
13) Anthracene	17.85	178	11595	0.430	ng/ul#	92
15) Fluoranthene	19.72	202	13921	0.365	ng/ul	84
17) Pyrene	20.08	202	15040	0.465	ng/ul#	79
18) Benzo(a)anthracene	21.79	228	12935	0.429	ng/ul#	86
19) Chrysene	21.84	228	12724	0.406	ng/ul	96
21) Benzo(b)fluoranthene	23.62	252	12306	0.385	ng/ul	84
22) Benzo(k)fluoranthene	23.67	252	11801	0.403	ng/ul#	86
23) Benzo(a)pyrene	24.31	252	11753	0.412	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.24	276	13094	0.418	ng/ul#	80
25) Dibenzo(a,h)anthracene	27.27	278	10552	0.412	ng/ul#	88
26) Benzo(g,h,i)perylene	28.12	276	10951	0.413	ng/ul#	93

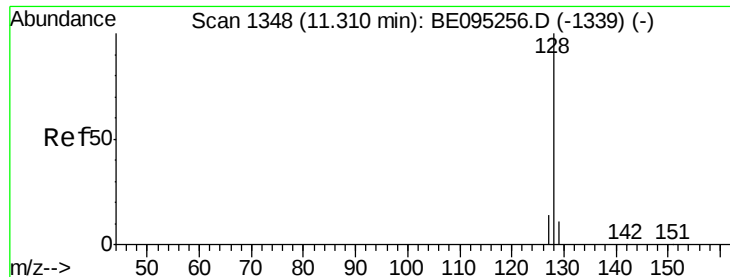
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.405 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

Instrument :

BNA_E

ClientSampleId :

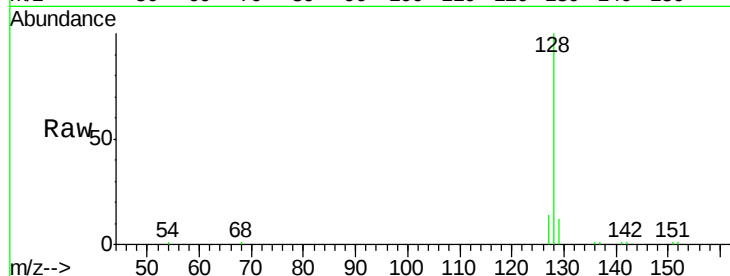
Tot Ion:128 Resp: 7684

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

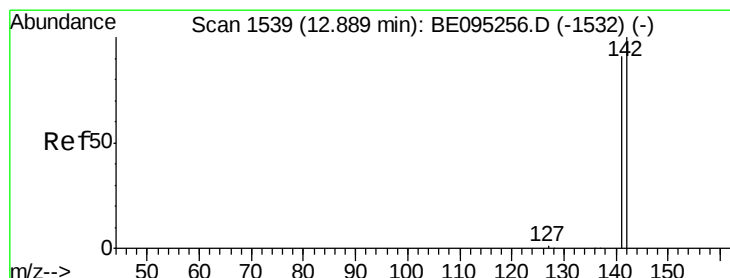
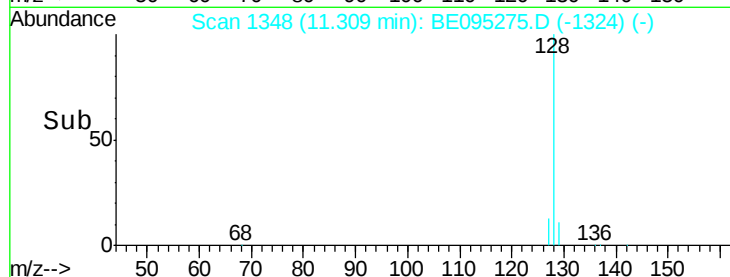
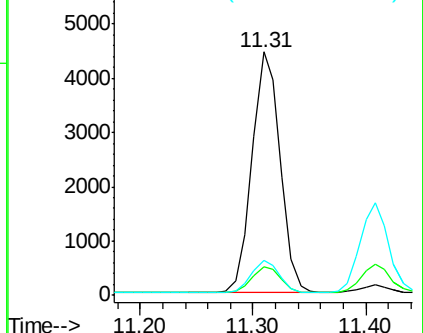
127 14.1 4.0 6.0#



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: 0.431 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE095275.D

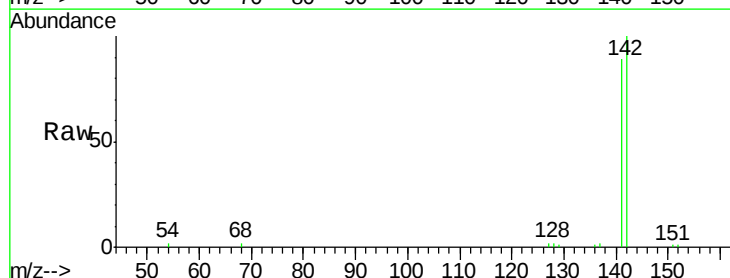
Acq: 30 Jan 2018 8:51

Tgt Ion:142 Resp: 5464

Ion Ratio Lower Upper

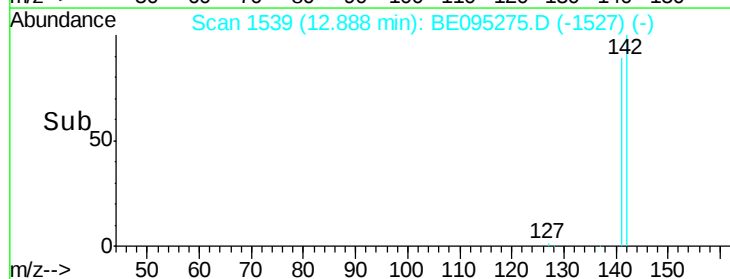
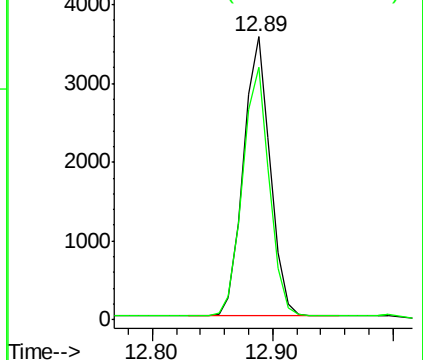
142 100

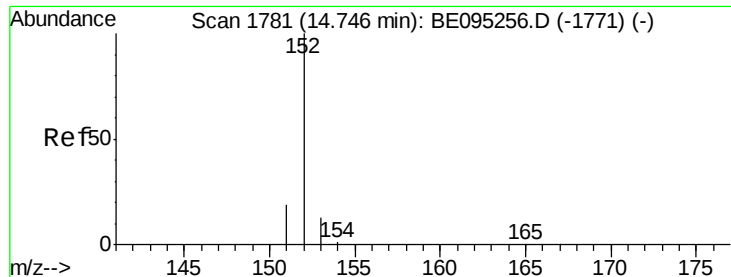
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.415 ng/ul

RT: 14.74 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

Instrument :

BNA_E

ClientSampleId :

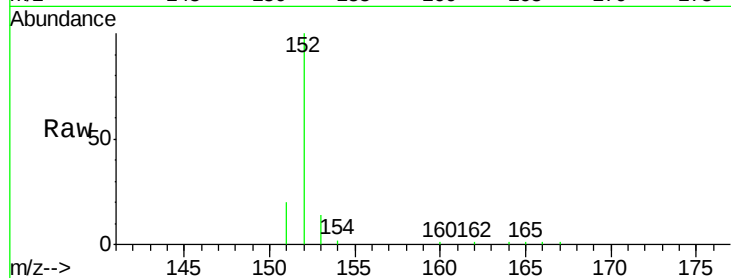
Tot Ion:152 Resp: 8224

Ion Ratio Lower Upper

152 100

151 20.2 17.1 25.7

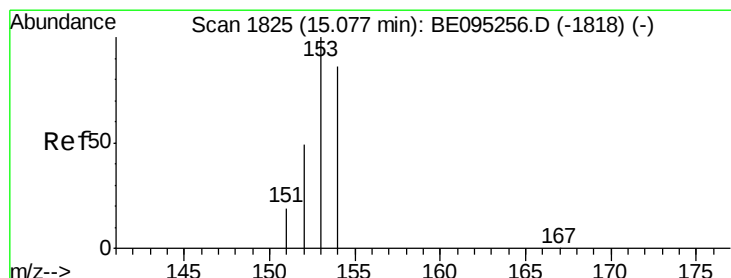
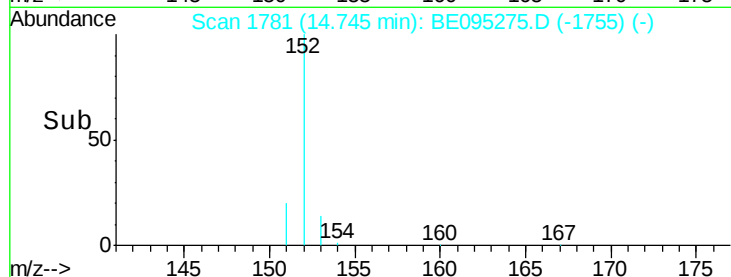
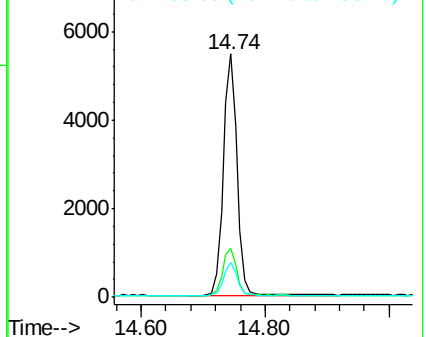
153 14.3 12.8 19.2



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: 0.401 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

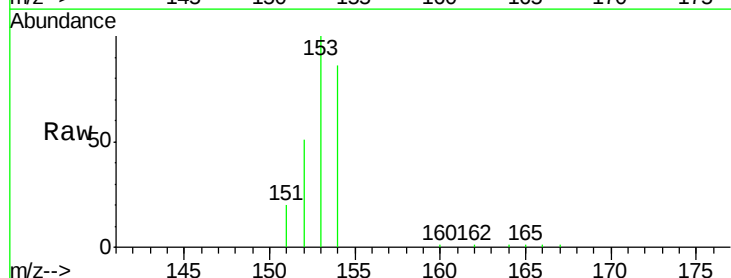
Tgt Ion:153 Resp: 6155

Ion Ratio Lower Upper

153 100

152 51.3 36.0 54.0

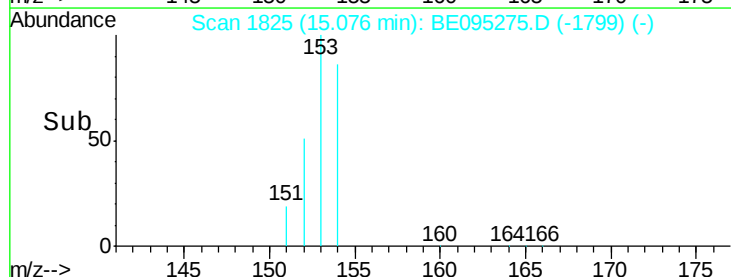
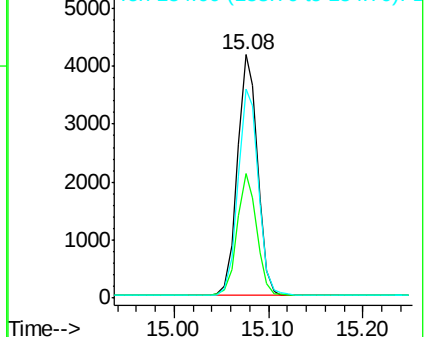
154 85.9 72.0 108.0

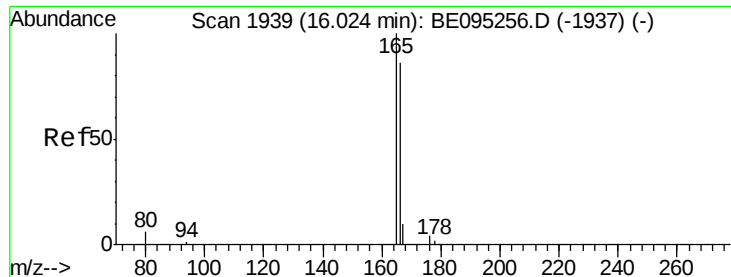


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

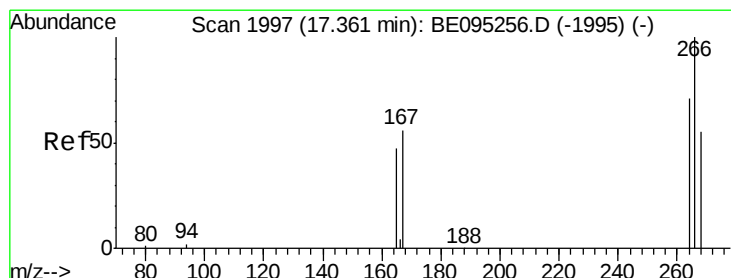
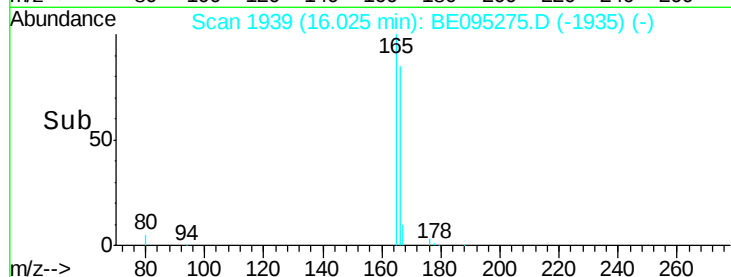
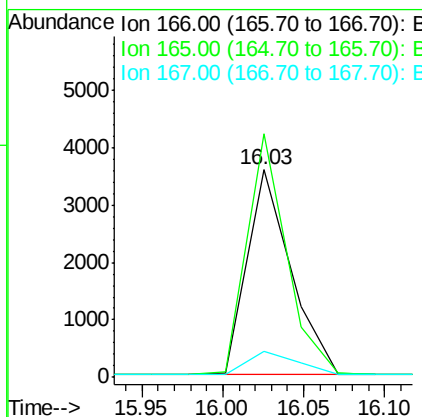
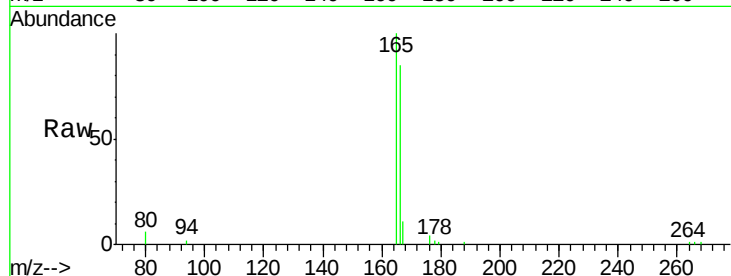




#9
Fluorene
 Concen: 0.417 ng/ul
 RT: 16.03 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: BE095275.D
 Acq: 30 Jan 2018 8:51

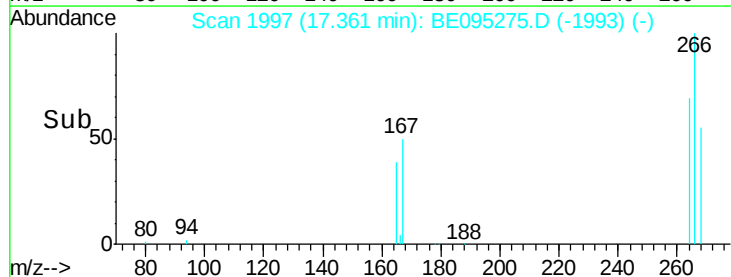
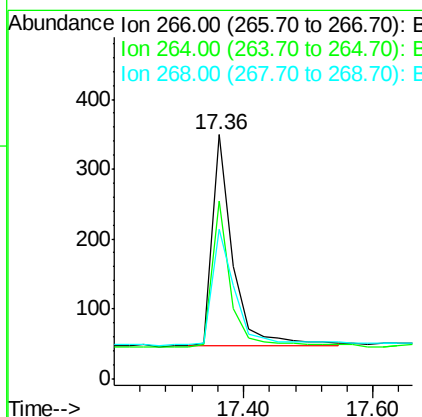
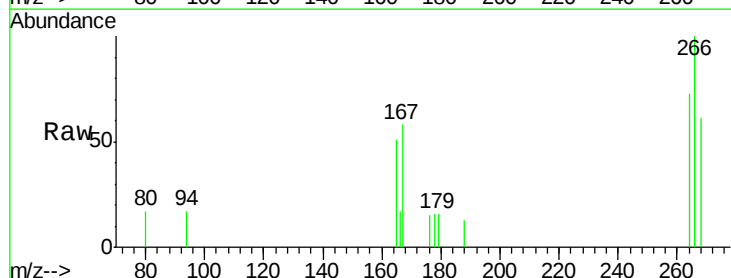
Instrument :
 BNA_E
 ClientSampleId :

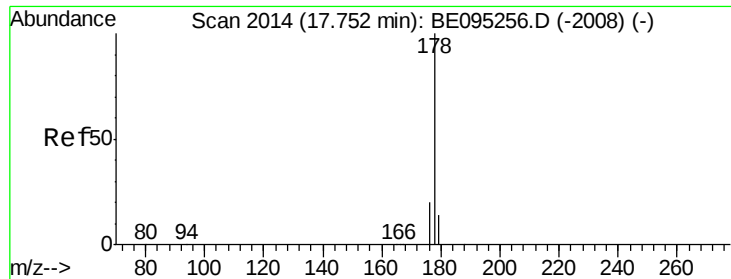
Tot Ion	Ratio	Lower	Upper
166	100		
165	117.4	73.4	110.2#
167	12.4	14.6	22.0#



#11
Pentachlorophenol
 Concen: 0.396 ng/ul
 RT: 17.36 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BE095275.D
 Acq: 30 Jan 2018 8:51

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.0	47.9	71.9
268	62.2	49.8	74.8

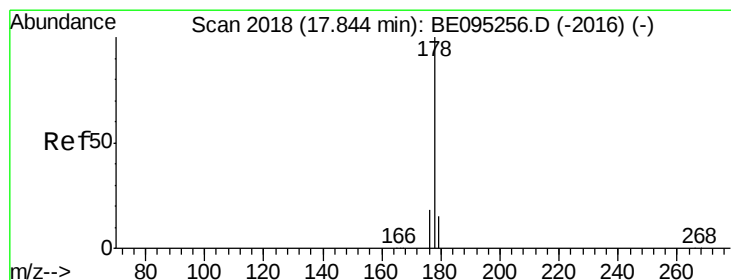
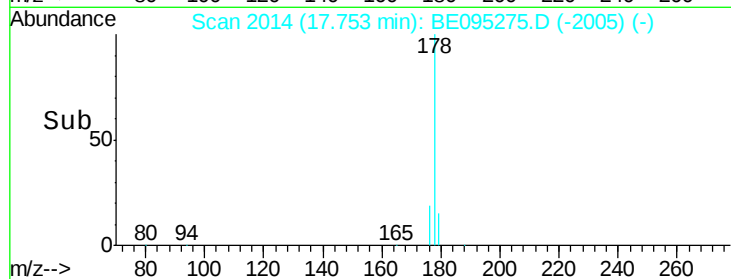
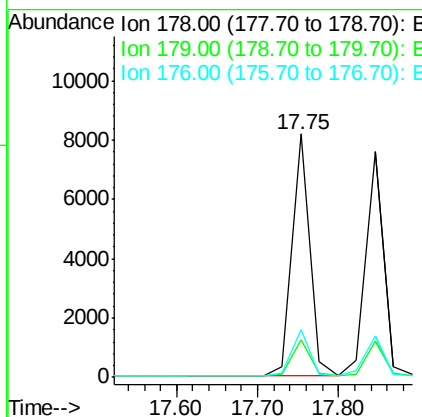
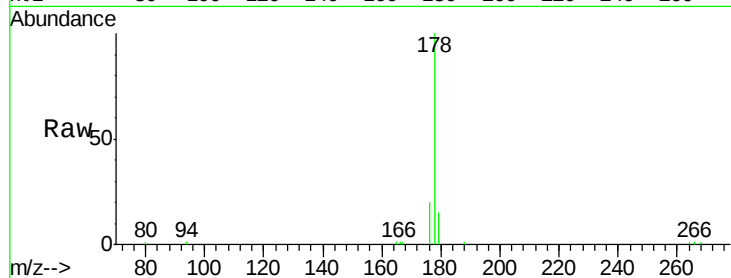




#12
 Phenanthrene
 Concen: 0.420 ng/ul
 RT: 17.75 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: BE095275.D
 Acq: 30 Jan 2018 8:51

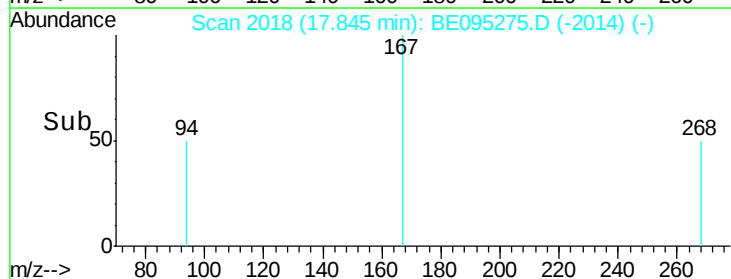
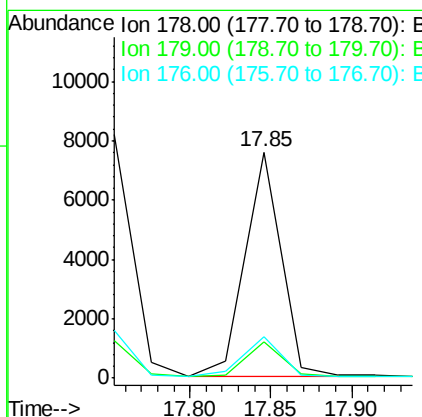
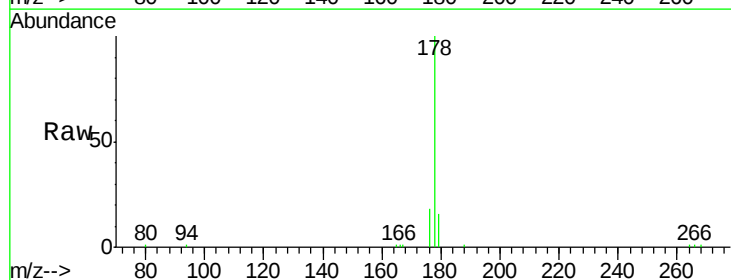
Instrument :
 BNA_E
 ClientSampleId :

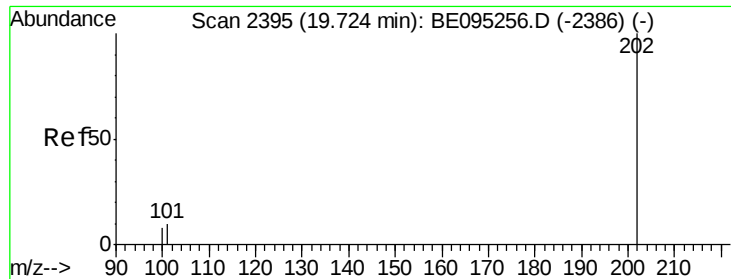
Tot Ion:178 Resp: 12366
 Ion Ratio Lower Upper
 178 100
 179 15.2 18.4 27.6#
 176 19.6 13.6 20.4



#13
 Anthracene
 Concen: 0.430 ng/ul
 RT: 17.85 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BE095275.D
 Acq: 30 Jan 2018 8:51

Tgt Ion:178 Resp: 11595
 Ion Ratio Lower Upper
 178 100
 179 16.1 18.1 27.1#
 176 18.2 14.7 22.1





#15

Fluoranthene

Concen: 0.365 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

Instrument :

BNA_E

ClientSampleId :

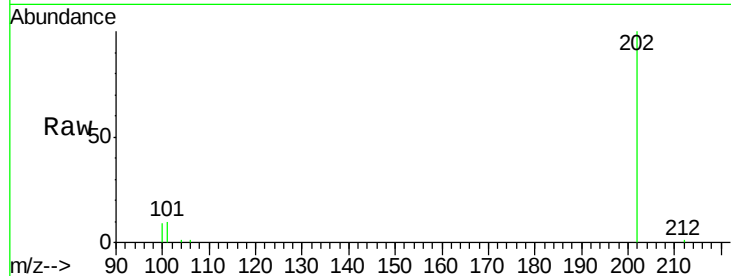
Tot Ion:202 Resp: 13921

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.3

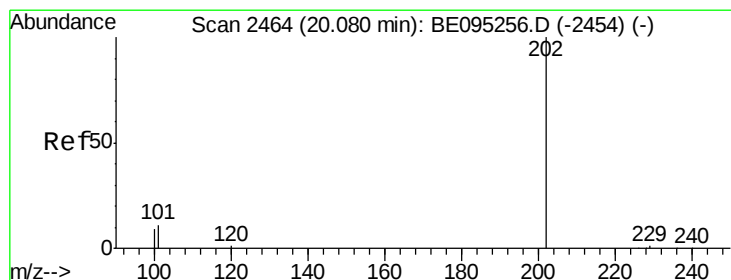
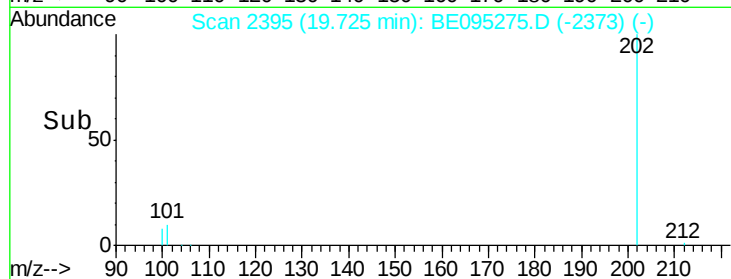
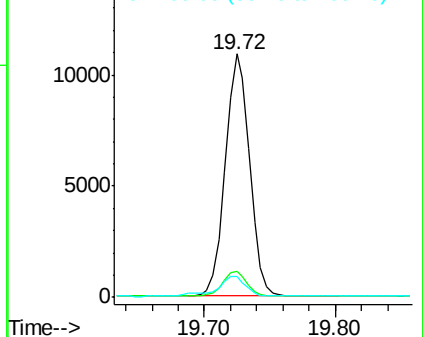
100 8.6 0.0 39.5



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: 0.465 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. -0.00 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

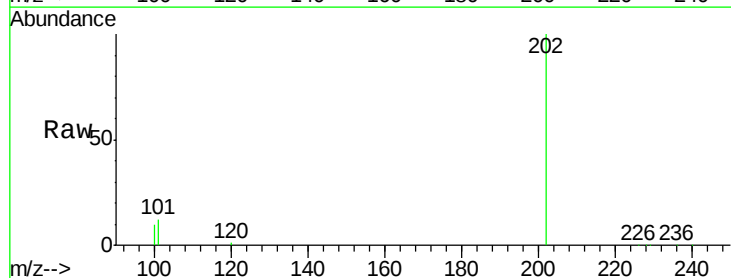
Tgt Ion:202 Resp: 15040

Ion Ratio Lower Upper

202 100

101 12.1 18.2 27.4#

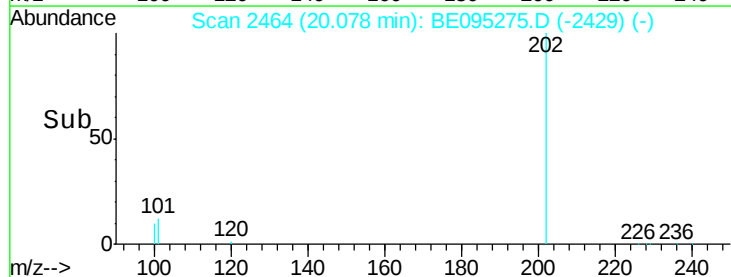
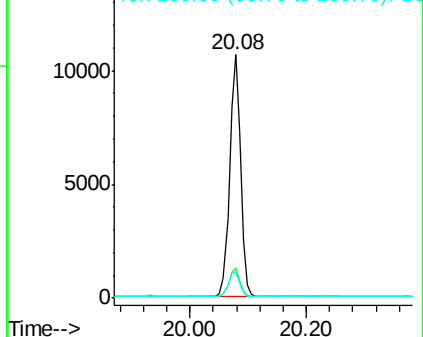
100 10.5 15.6 23.4#

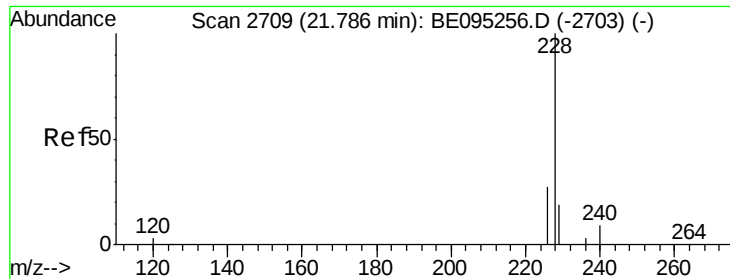


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.429 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

Instrument :

BNA_E

ClientSampleId :

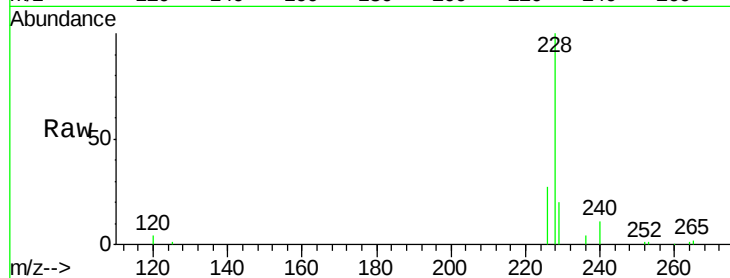
Tot Ion:228 Resp: 12935

Ion Ratio Lower Upper

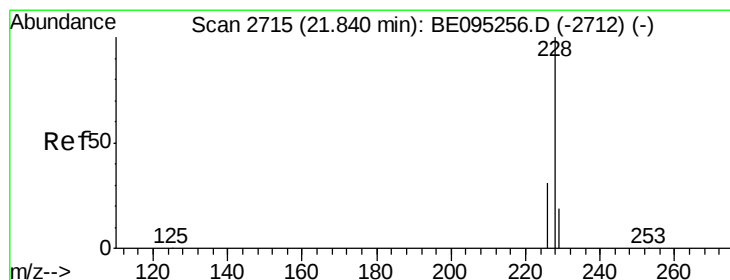
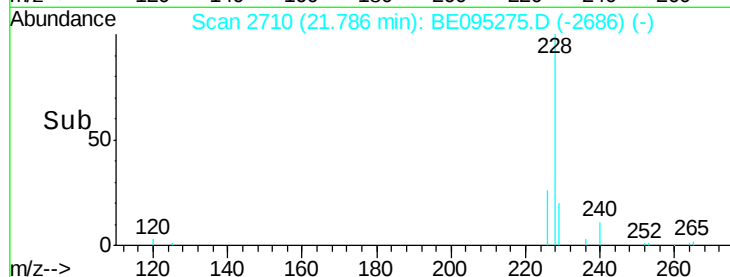
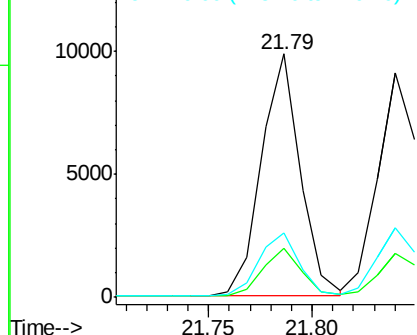
228 100

229 20.2 22.8 34.2#

226 26.6 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: 0.406 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

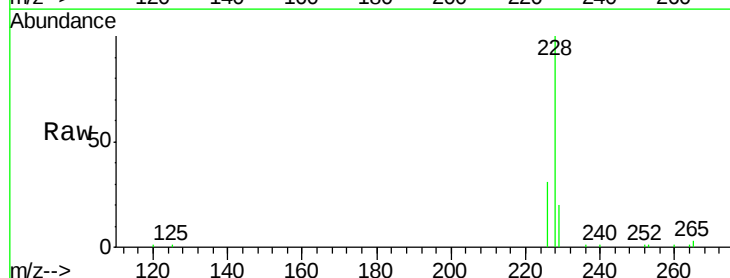
Tgt Ion:228 Resp: 12724

Ion Ratio Lower Upper

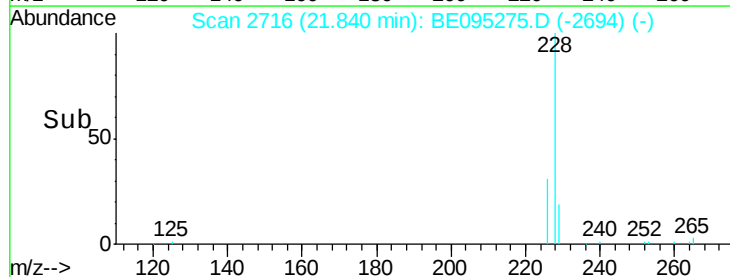
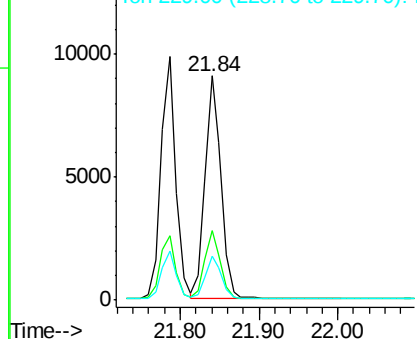
228 100

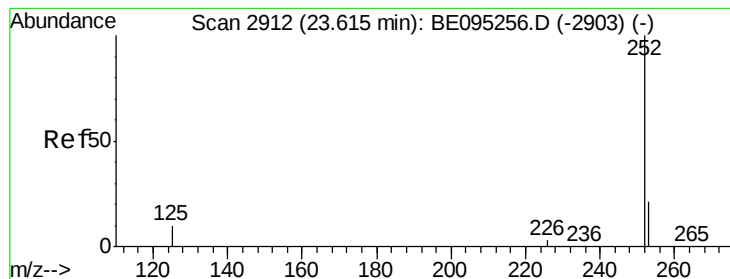
226 31.0 23.4 35.0

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: 0.385 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

Instrument :

BNA_E

ClientSampleId :

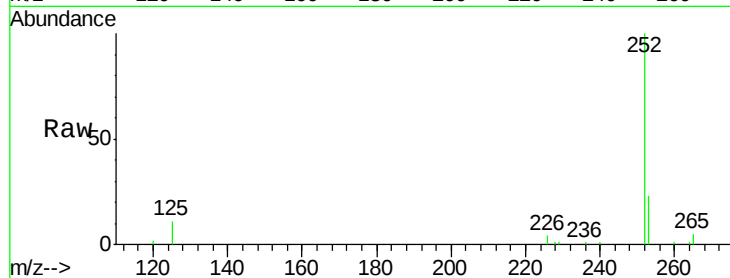
Tot Ion:252 Resp: 12306

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

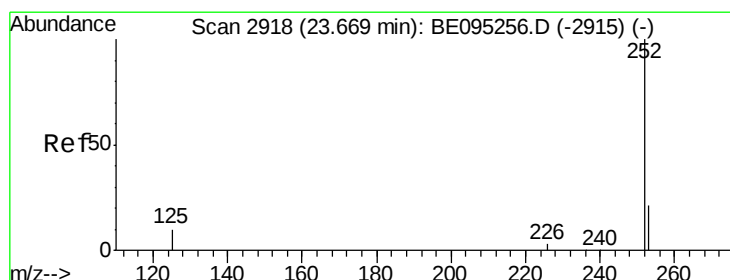
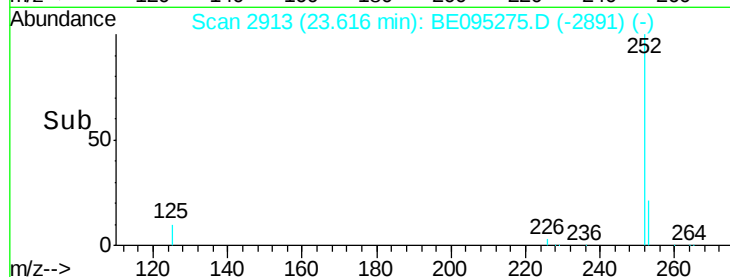
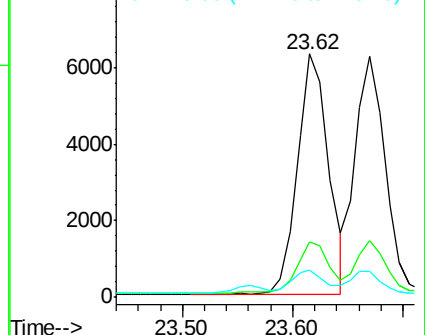
125 11.4 0.0 35.0



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: 0.403 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. 0.00 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

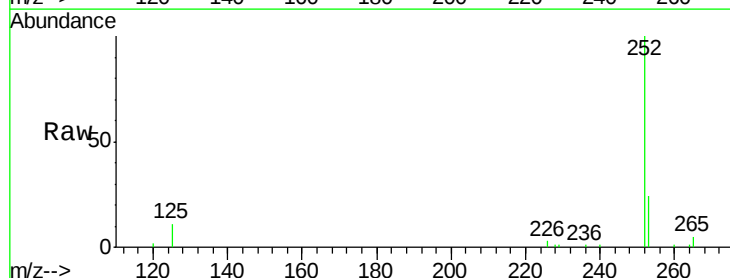
Tgt Ion:252 Resp: 11801

Ion Ratio Lower Upper

252 100

253 23.5 24.5 36.7#

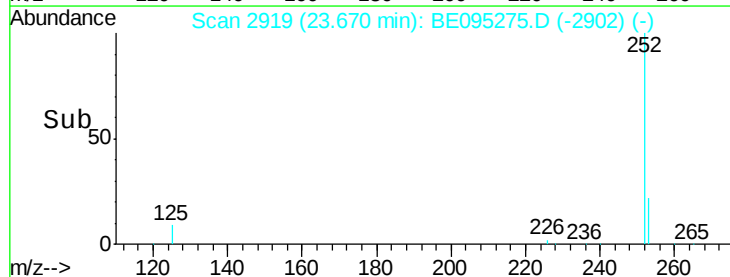
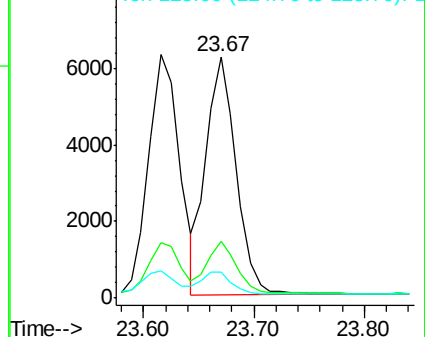
125 10.6 13.7 20.5#

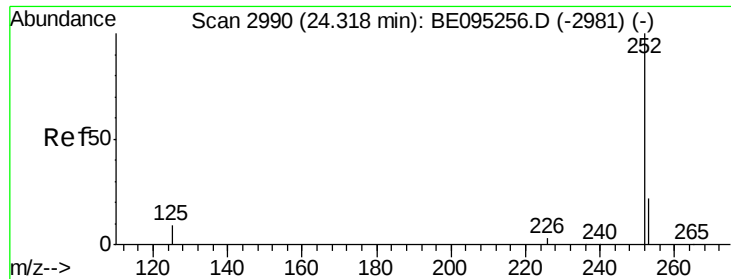


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.412 ng/ul

RT: 24.31 min Scan# 2990

Delta R.T. -0.01 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

Instrument :

BNA_E

ClientSampleId :

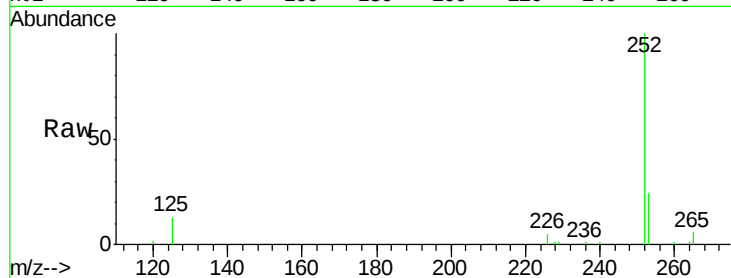
Tot Ion:252 Resp: 11753

Ion Ratio Lower Upper

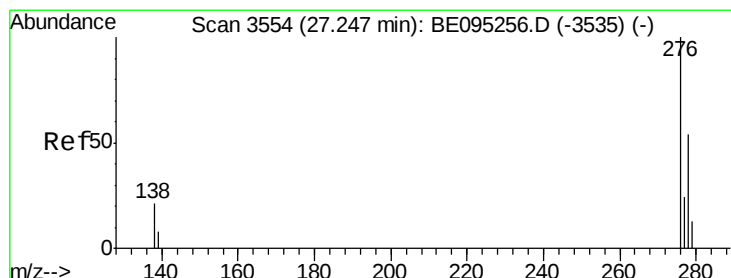
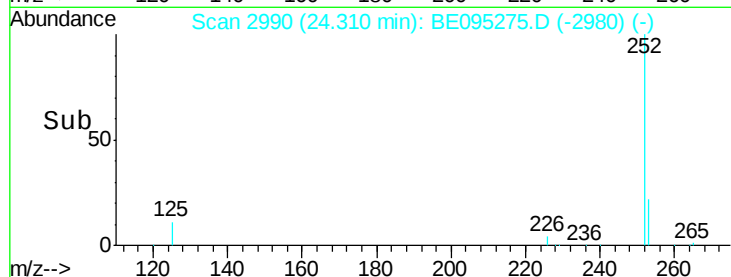
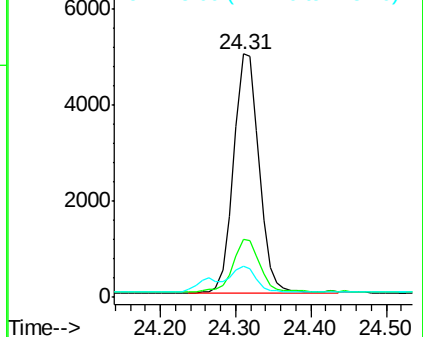
252 100

253 24.0 28.5 42.7#

125 13.0 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: 0.418 ng/ul

RT: 27.24 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BE095275.D

Acq: 30 Jan 2018 8:51

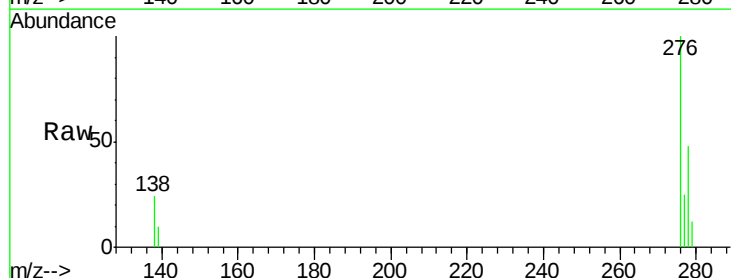
Tgt Ion:276 Resp: 13094

Ion Ratio Lower Upper

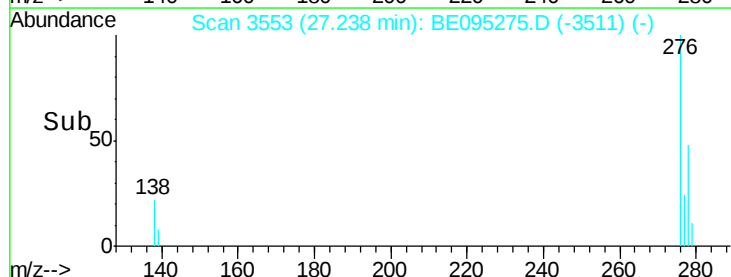
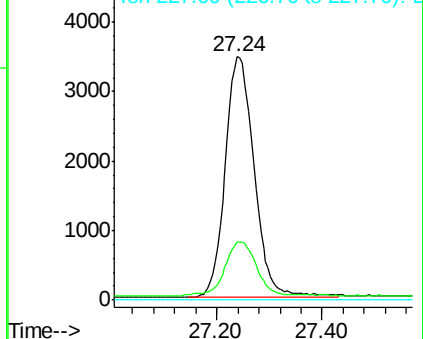
276 100

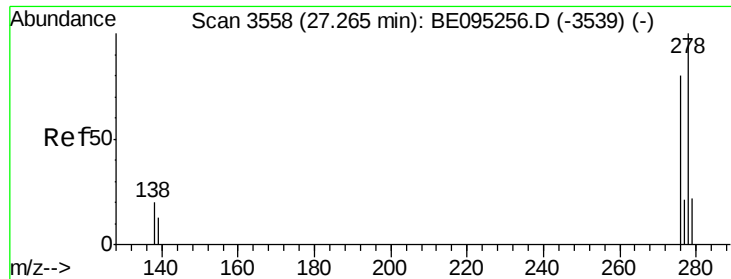
138 24.6 28.0 42.0#

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

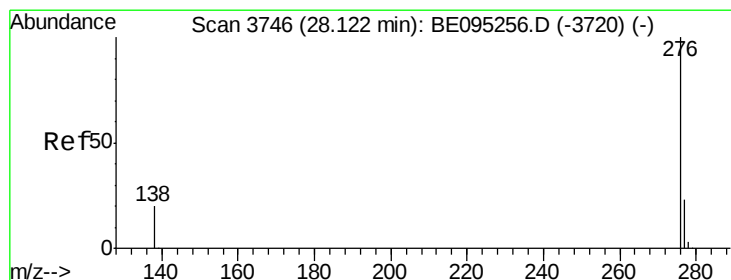
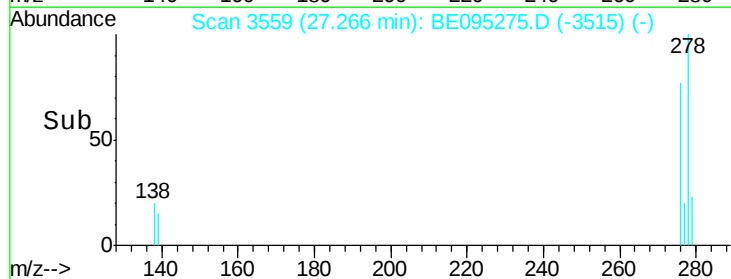
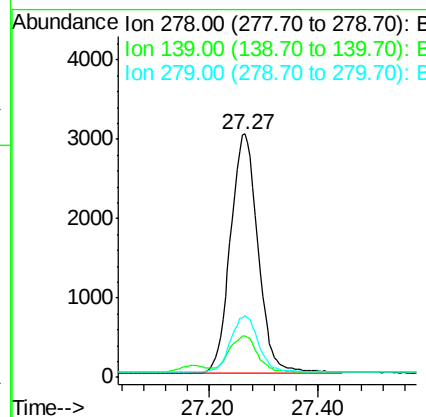
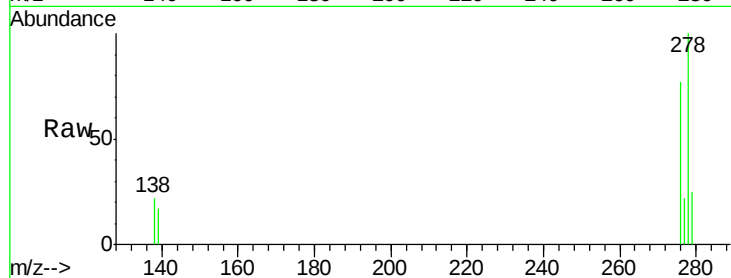




#25
Dibenzo(a,h)anthracene
Concen: 0.412 ng/ul
RT: 27.27 min Scan# 3559
Delta R.T. 0.00 min
Lab File: BE095275.D
Acq: 30 Jan 2018 8:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 10552
Ion Ratio Lower Upper
278 100
139 16.9 17.4 26.0#
279 25.3 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.413 ng/ul
RT: 28.12 min Scan# 3746
Delta R.T. -0.00 min
Lab File: BE095275.D
Acq: 30 Jan 2018 8:51

Tgt Ion:276 Resp: 10951
Ion Ratio Lower Upper
276 100
138 21.1 21.8 32.8#
277 24.3 20.5 30.7

