

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031318\
 Data File : BE095752.D
 Acq On : 13 Mar 2018 16:24
 Operator : SJ/JU
 Sample : SSTD1.613
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 13 17:04:09 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 13 16:24:15 2018
 Response via : Initial Calibration

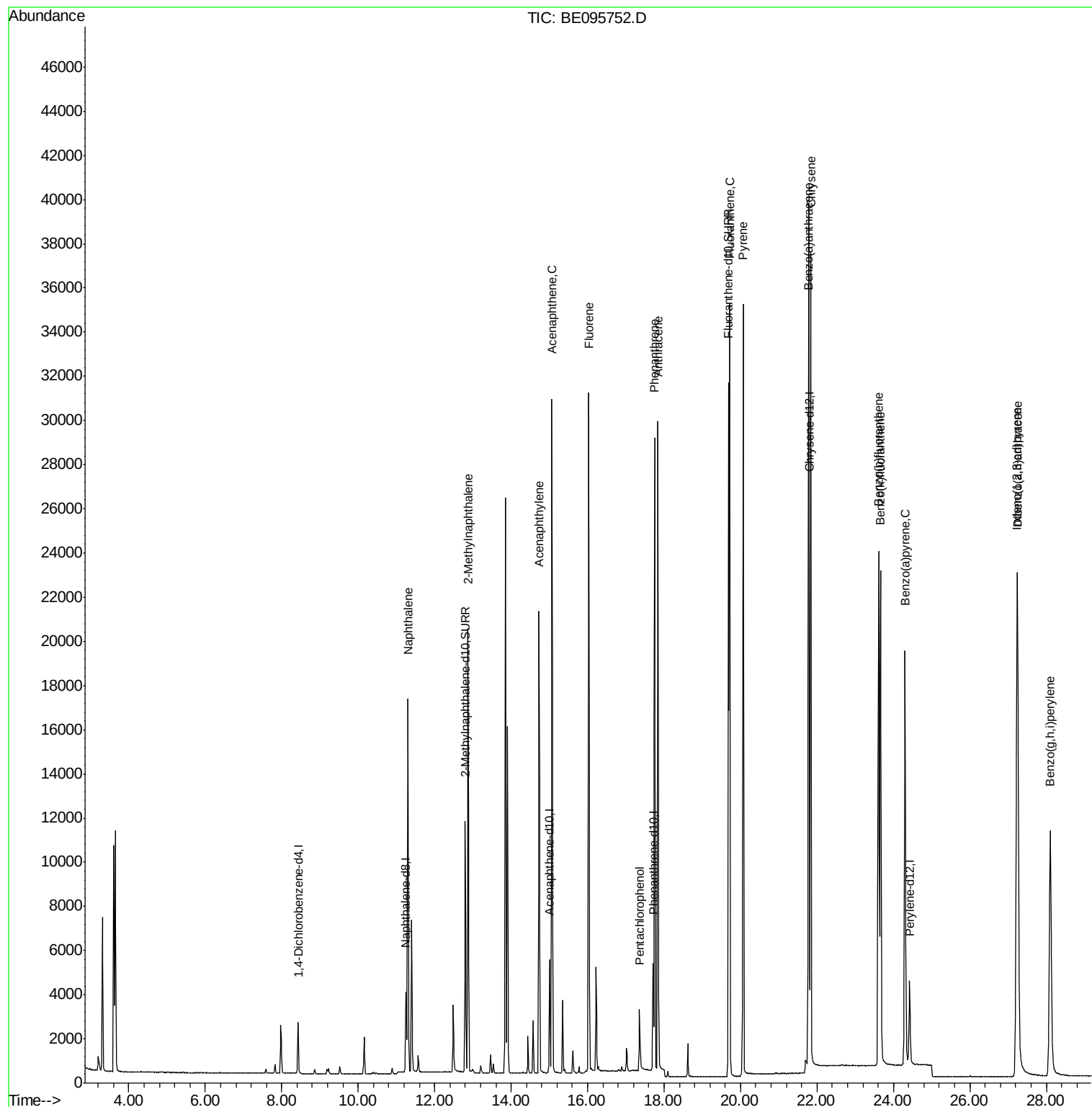
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1774	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	5004	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	2822	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6192	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	6569	0.40	ng/ul	0.00
20) Perylene-d12	24.42	264	5753	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.80	152	14107	1.73	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	34098	1.44	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.30	128	22893	1.634	ng/ul#	87
5) 2-Methylnaphthalene	12.87	142	16207	1.732	ng/ul	100
7) Acenaphthylene	14.73	152	24397	1.796	ng/ul	96
8) Acenaphthene	15.07	153	17858	1.695	ng/ul	94
9) Fluorene	16.03	166	19744	1.818	ng/ul#	89
11) Pentachlorophenol	17.36	266	1645	1.372	ng/ul	98
12) Phenanthrene	17.75	178	31181	1.497	ng/ul#	88
13) Anthracene	17.84	178	30647	1.608	ng/ul#	91
15) Fluoranthene	19.72	202	39171	1.453	ng/ul	83
17) Pyrene	20.07	202	41000	1.860	ng/ul#	77
18) Benzo(a)anthracene	21.78	228	35569	1.732	ng/ul#	86
19) Chrysene	21.84	228	35327	1.656	ng/ul	97
21) Benzo(b)fluoranthene	23.61	252	34258	1.688	ng/ul	81
22) Benzo(k)fluoranthene	23.66	252	32127	1.730	ng/ul#	84
23) Benzo(a)pyrene	24.31	252	31122	1.717	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	27.23	276	35120	1.767	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.25	278	28511	1.754	ng/ul#	86
26) Benzo(g,h,i)perylene	28.10	276	29460	1.751	ng/ul#	92

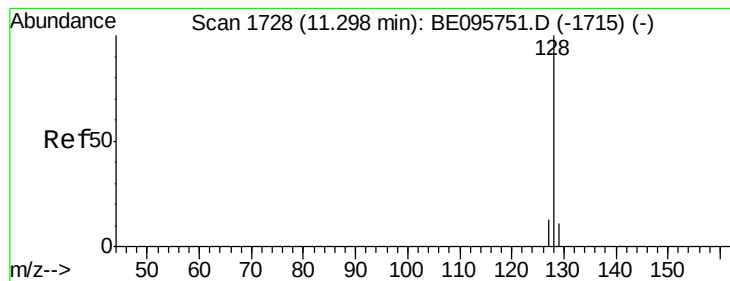
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.634 ng/ul

RT: 11.30 min Scan# 1728

Delta R.T. 0.00 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

Instrument :

BNA_E

ClientSampleId :

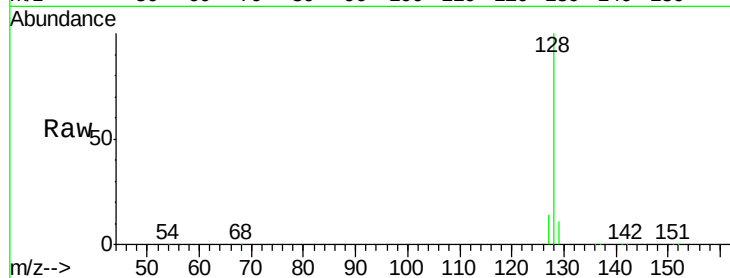
Tot Ion:128 Resp: 22893

Ion Ratio Lower Upper

128 100

129 11.0 11.3 16.9#

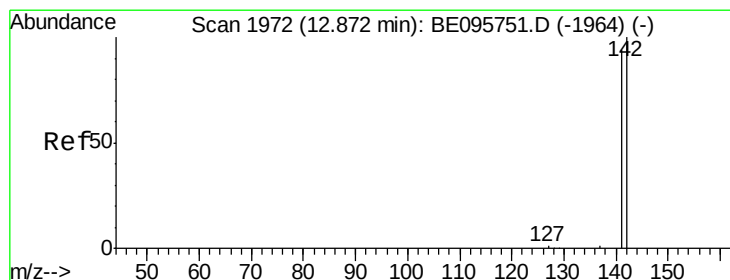
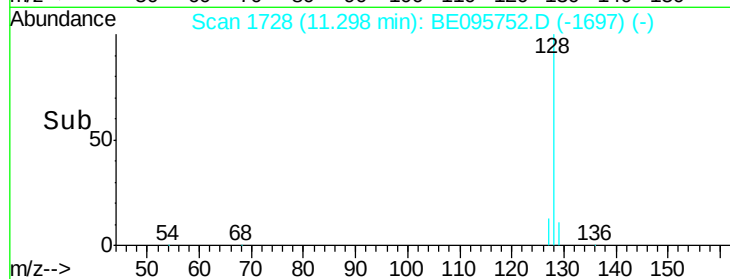
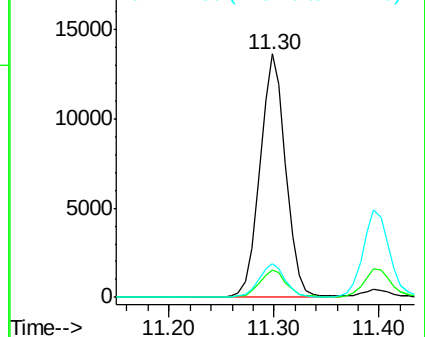
127 13.8 4.0 6.0#



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: 1.732 ng/ul

RT: 12.87 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BE095752.D

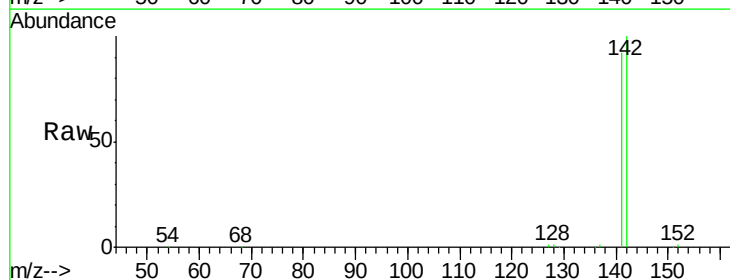
Acq: 13 Mar 2018 16:24

Tgt Ion:142 Resp: 16207

Ion Ratio Lower Upper

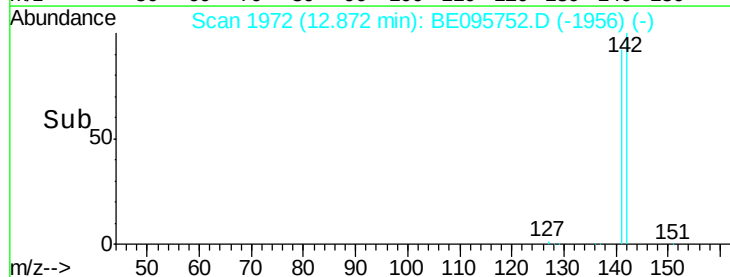
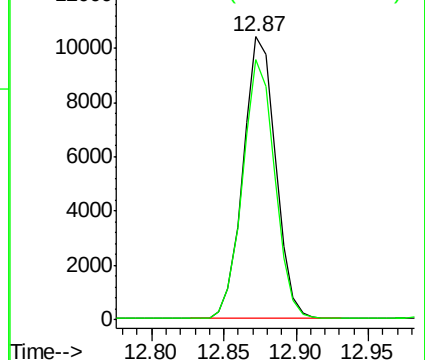
142 100

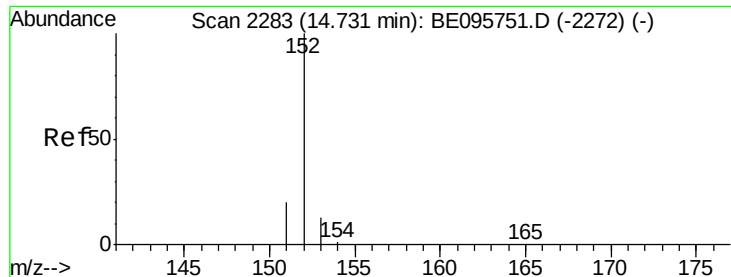
141 90.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.796 ng/ul

RT: 14.73 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

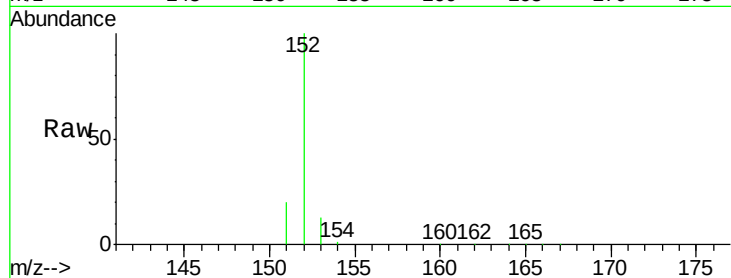
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 24397

Ion	Ratio	Lower	Upper
152	100		
151	20.4	17.1	25.7
153	13.2	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

20000

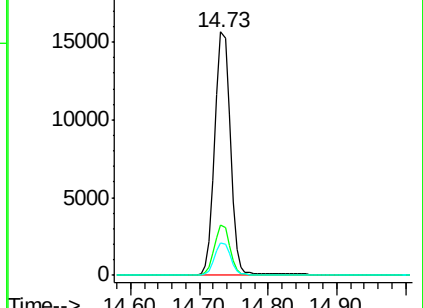
15000

10000

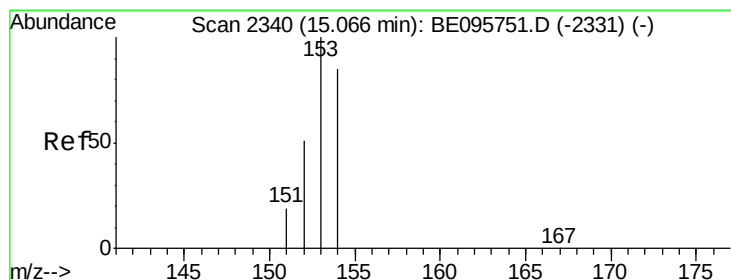
5000

0

14.60 14.70 14.80 14.90



Time-->



#8

Acenaphthene

Concen: 1.695 ng/ul

RT: 15.07 min Scan# 2340

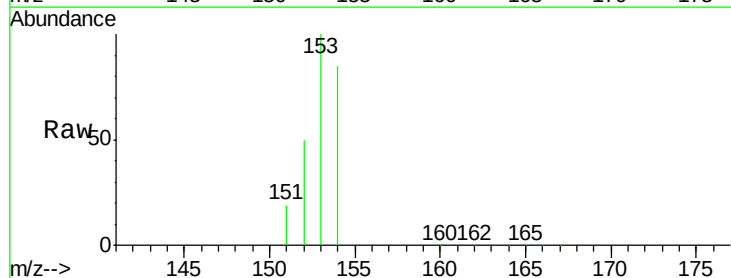
Delta R.T. 0.00 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

Tgt Ion:153 Resp: 17858

Ion	Ratio	Lower	Upper
153	100		
152	49.5	36.0	54.0
154	84.8	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

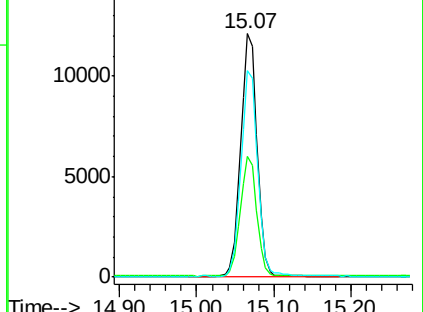
15000

10000

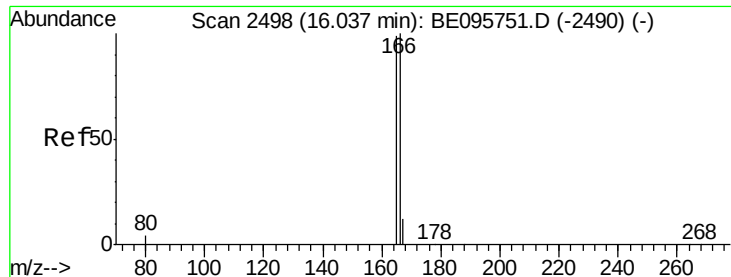
5000

0

14.90 15.00 15.10 15.20



Time-->



#9

Fluorene

Concen: 1.818 ng/ul

RT: 16.03 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

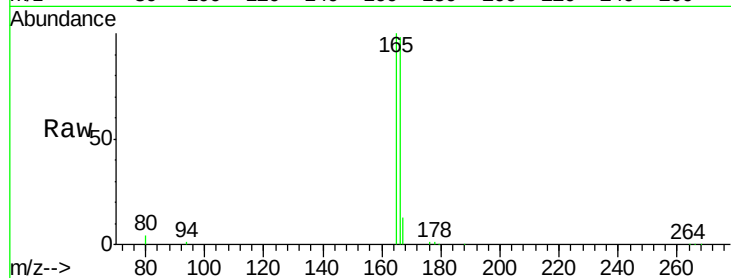
Instrument :

BNA_E

ClientSampleId :

Tot Ion:166 Resp: 19744

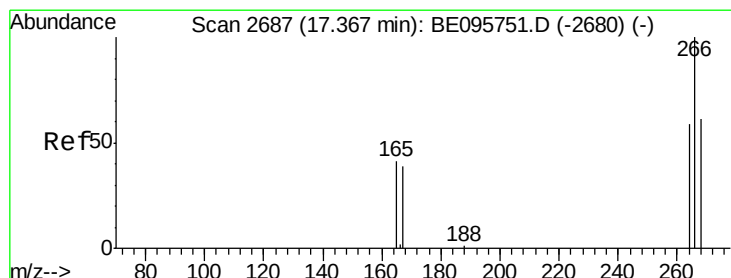
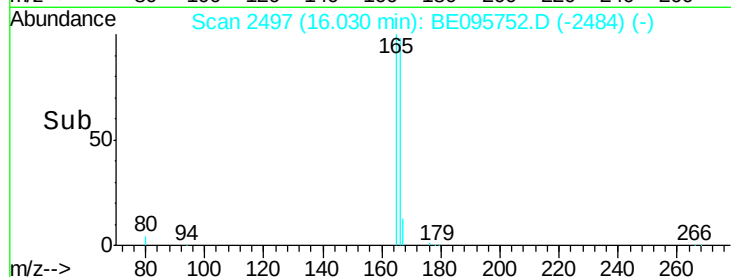
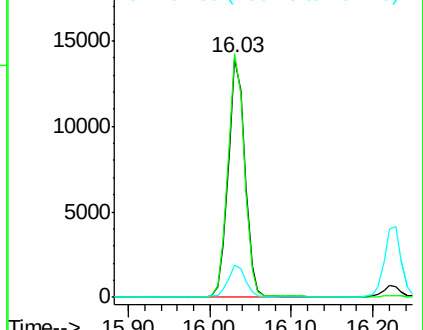
Ion	Ratio	Lower	Upper
166	100		
165	102.1	73.4	110.2
167	13.5	14.6	22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 1.372 ng/ul

RT: 17.36 min Scan# 2686

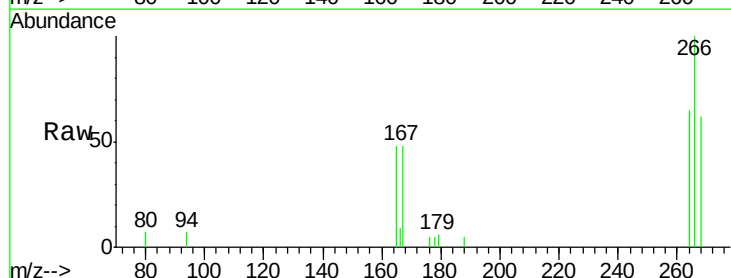
Delta R.T. -0.01 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

Tgt Ion:266 Resp: 1645

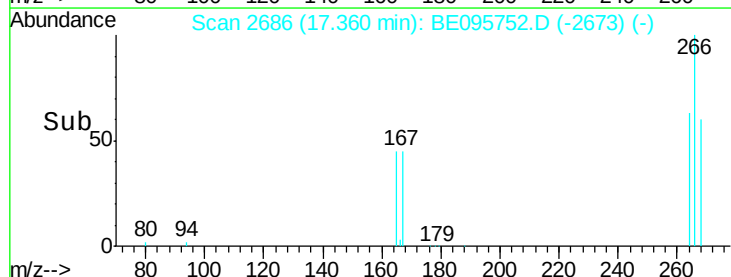
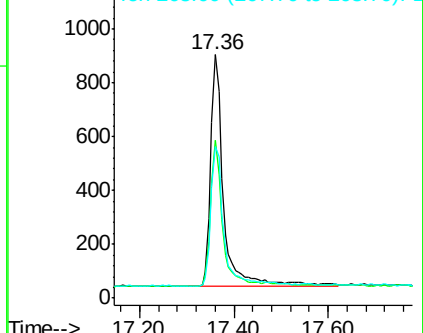
Ion	Ratio	Lower	Upper
266	100		
264	61.4	47.9	71.9
268	64.2	49.8	74.8

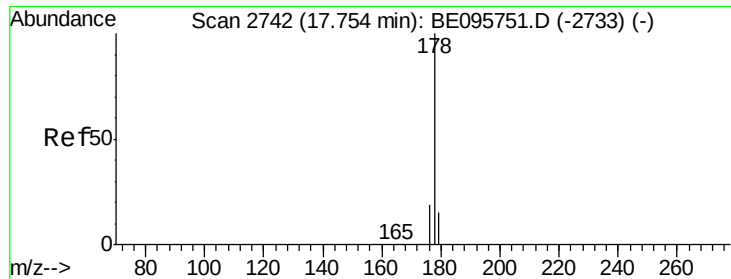


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

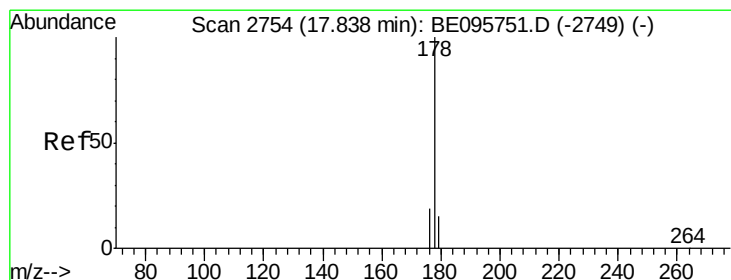
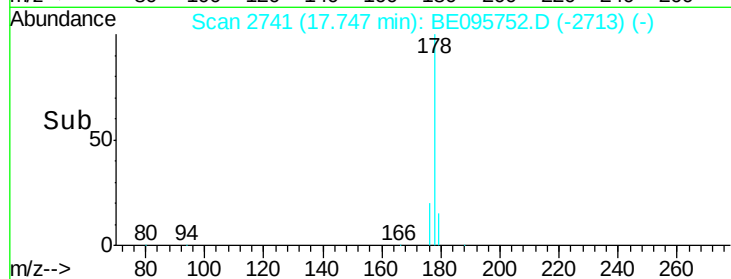
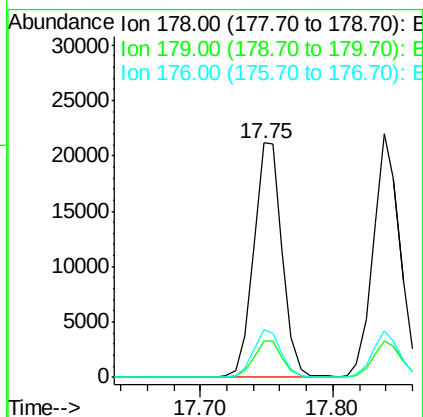
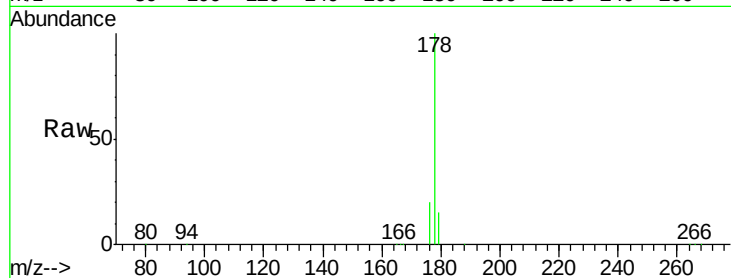




#12
 Phenanthrene
 Concen: 1.497 ng/ul
 RT: 17.75 min Scan# 2741
 Delta R.T. -0.01 min
 Lab File: BE095752.D
 Acq: 13 Mar 2018 16:24

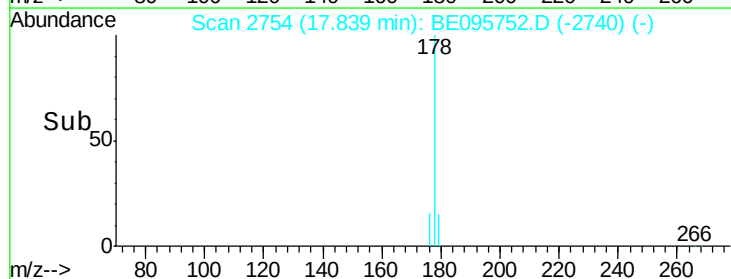
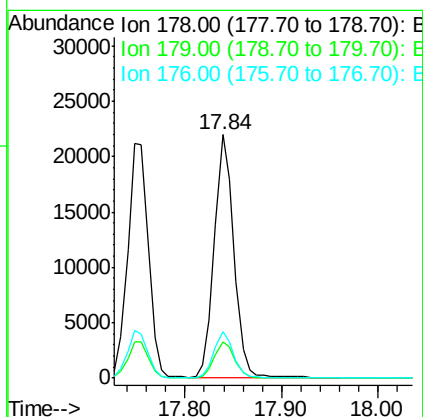
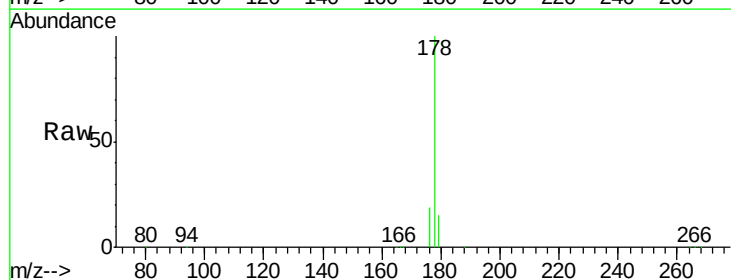
Instrument :
 BNA_E
 ClientSampleId :

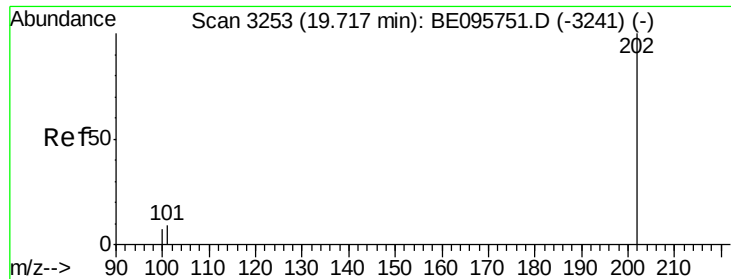
Tot Ion:178 Resp: 31181
 Ion Ratio Lower Upper
 178 100
 179 15.4 18.4 27.6#
 176 20.3 13.6 20.4



#13
 Anthracene
 Concen: 1.608 ng/ul
 RT: 17.84 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: BE095752.D
 Acq: 13 Mar 2018 16:24

Tgt Ion:178 Resp: 30647
 Ion Ratio Lower Upper
 178 100
 179 15.1 18.1 27.1#
 176 19.1 14.7 22.1





#15

Fluoranthene

Concen: 1.453 ng/ul

RT: 19.72 min Scan# 3252

Delta R.T. -0.00 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

Instrument :

BNA_E

ClientSampleId :

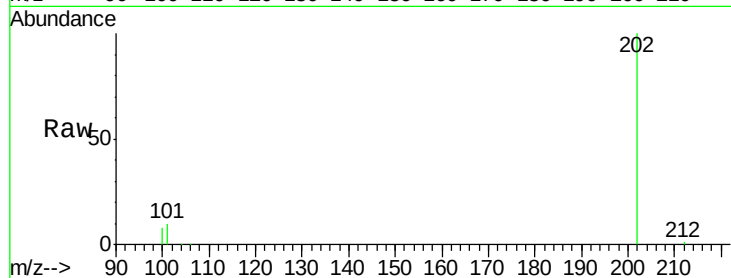
Tot Ion:202 Resp: 39171

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.3

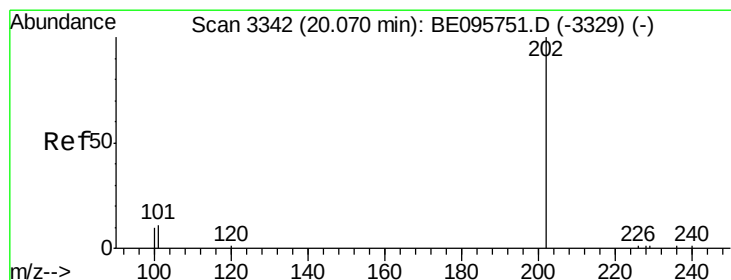
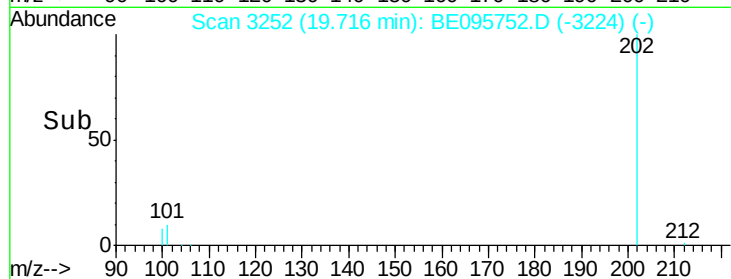
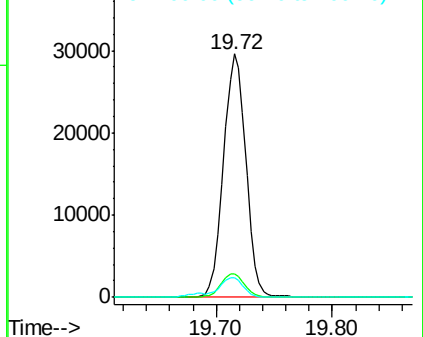
100 8.0 0.0 39.5



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: 1.860 ng/ul

RT: 20.07 min Scan# 3341

Delta R.T. 0.00 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

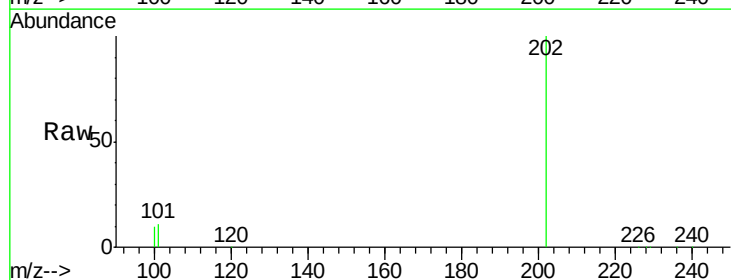
Tgt Ion:202 Resp: 41000

Ion Ratio Lower Upper

202 100

101 11.1 18.2 27.4#

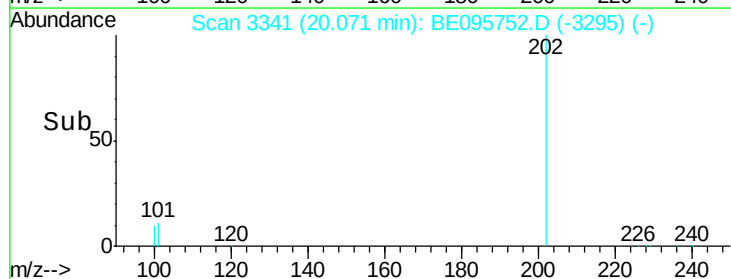
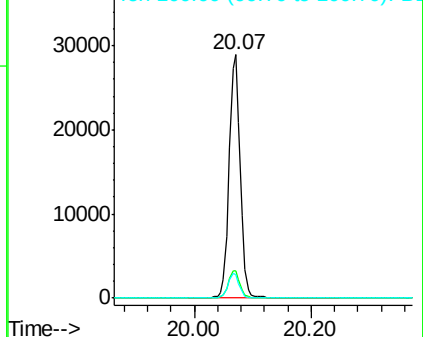
100 9.7 15.6 23.4#

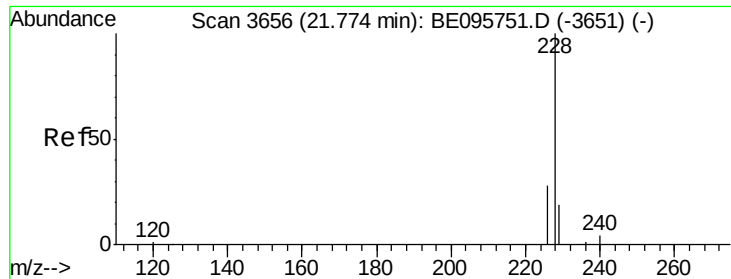


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 1.732 ng/ul

RT: 21.78 min Scan# 3656

Delta R.T. 0.01 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

Instrument :

BNA_E

ClientSampleId :

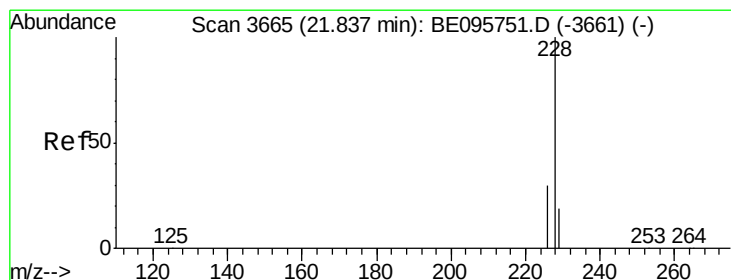
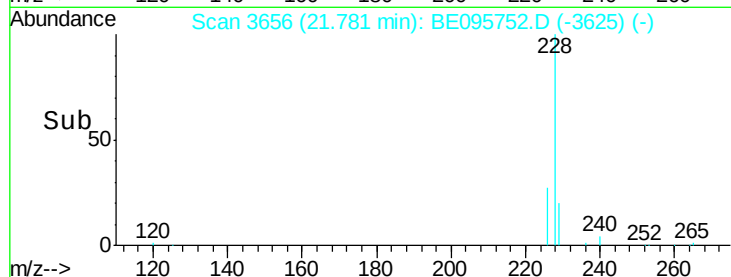
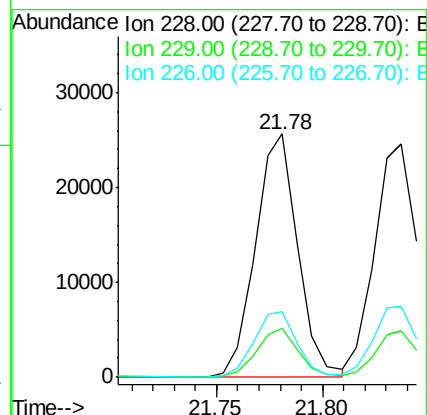
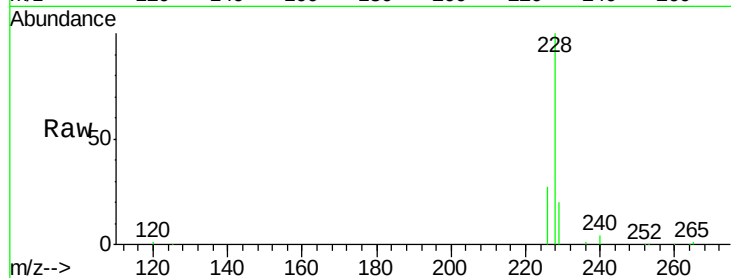
Tot Ion:228 Resp: 35569

Ion Ratio Lower Upper

228 100

229 19.9 22.8 34.2#

226 26.8 17.0 25.6#



#19

Chrysene

Concen: 1.656 ng/ul

RT: 21.84 min Scan# 3664

Delta R.T. 0.00 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

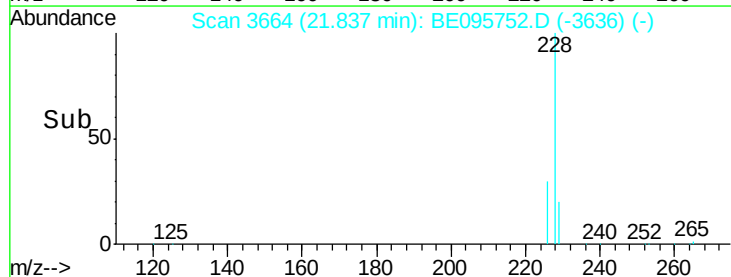
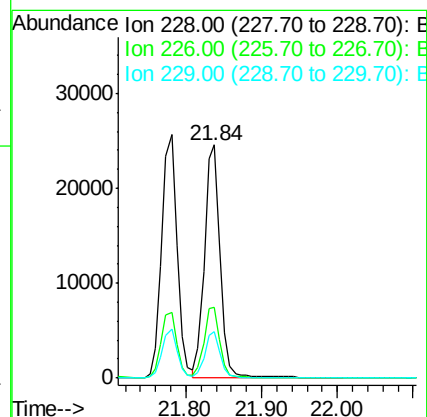
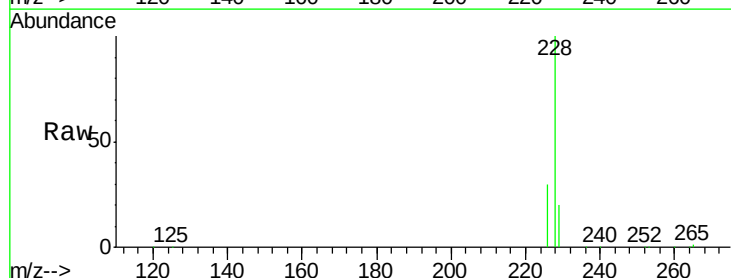
Tgt Ion:228 Resp: 35327

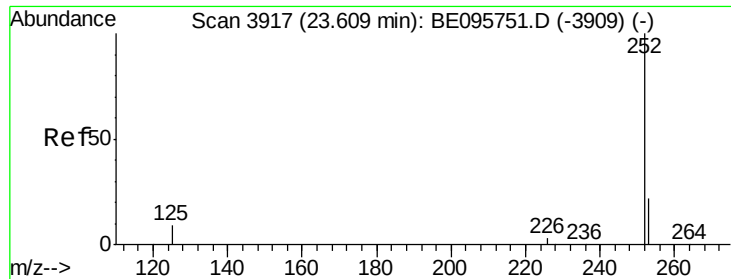
Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

229 20.0 17.7 26.5

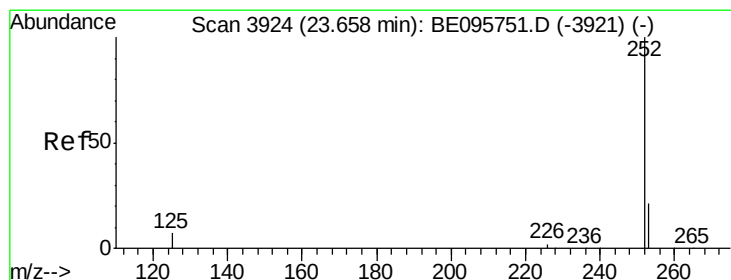
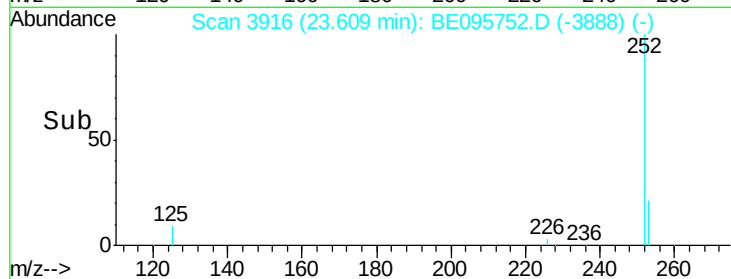
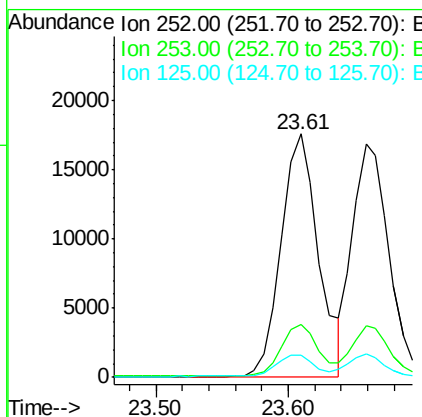
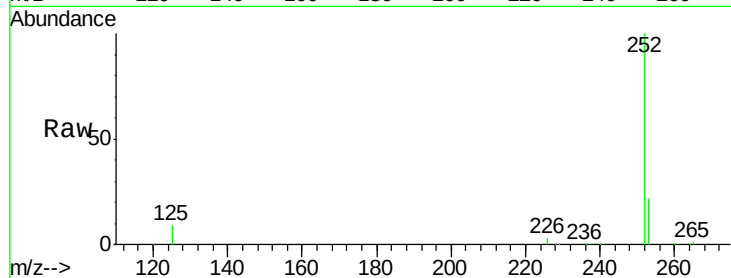




#21
Benzo(b)fluoranthene
Concen: 1.688 ng/ul
RT: 23.61 min Scan# 3916
Delta R.T. 0.00 min
Lab File: BE095752.D
Acq: 13 Mar 2018 16:24

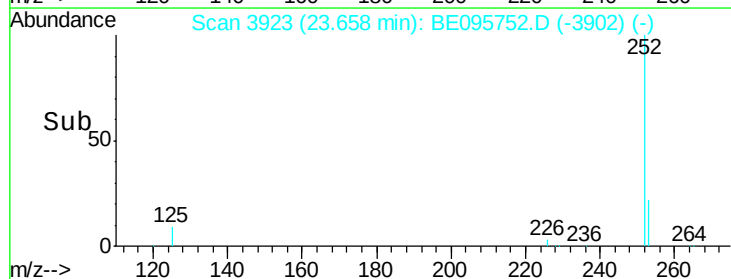
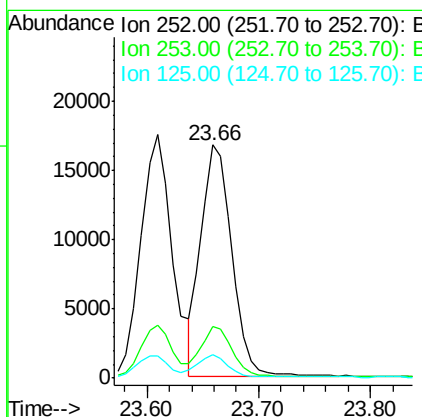
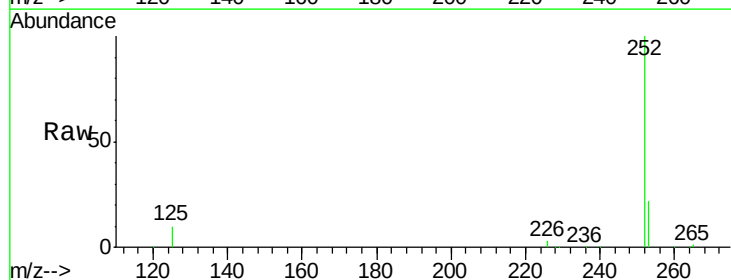
Instrument :
BNA_E
ClientSampleId :

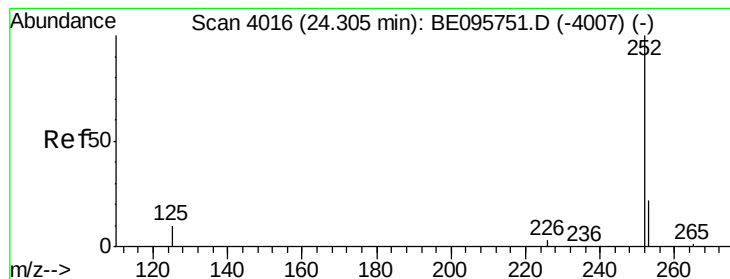
Tot Ion:252 Resp: 34258
Ion Ratio Lower Upper
252 100
253 21.8 0.0 64.2
125 9.2 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 1.730 ng/ul
RT: 23.66 min Scan# 3923
Delta R.T. 0.00 min
Lab File: BE095752.D
Acq: 13 Mar 2018 16:24

Tgt Ion:252 Resp: 32127
Ion Ratio Lower Upper
252 100
253 22.1 24.5 36.7#
125 9.8 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 1.717 ng/ul

RT: 24.31 min Scan# 4015

Delta R.T. 0.00 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

Instrument :

BNA_E

ClientSampleId :

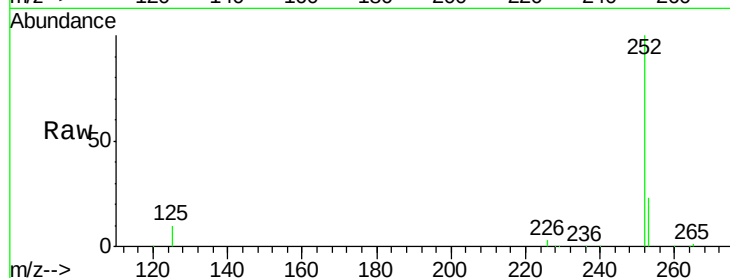
Tot Ion:252 Resp: 31122

Ion Ratio Lower Upper

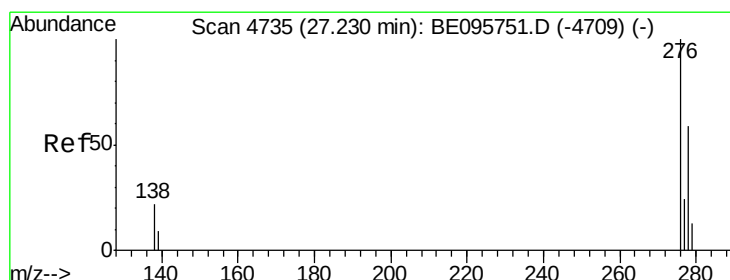
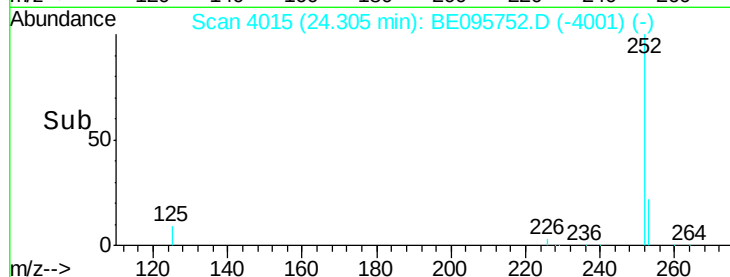
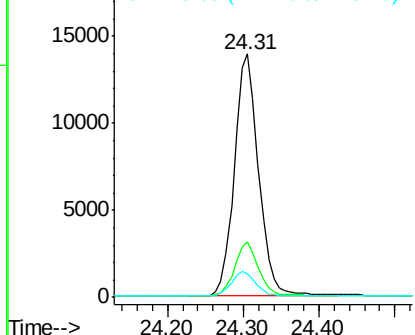
252 100

253 22.8 28.5 42.7#

125 9.8 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: 1.767 ng/ul

RT: 27.23 min Scan# 4734

Delta R.T. 0.00 min

Lab File: BE095752.D

Acq: 13 Mar 2018 16:24

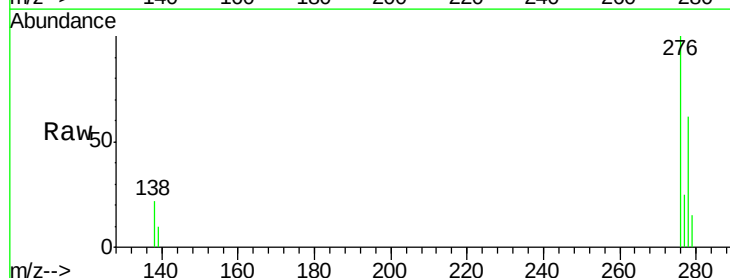
Tgt Ion:276 Resp: 35120

Ion Ratio Lower Upper

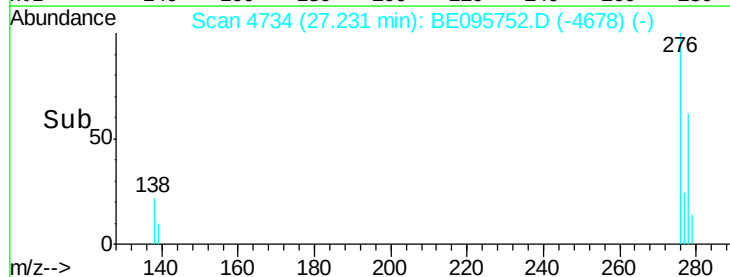
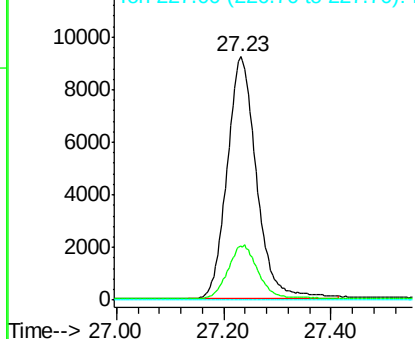
276 100

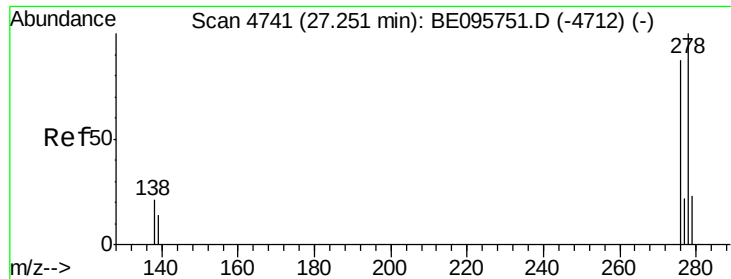
138 22.9 28.0 42.0#

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



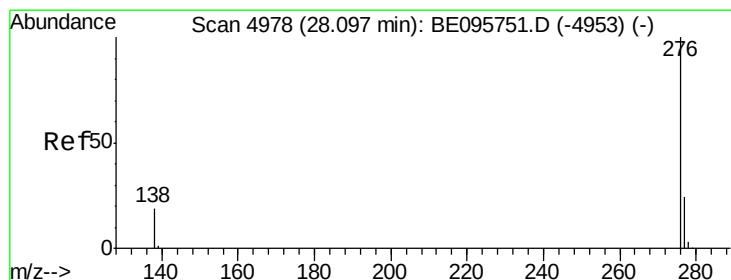
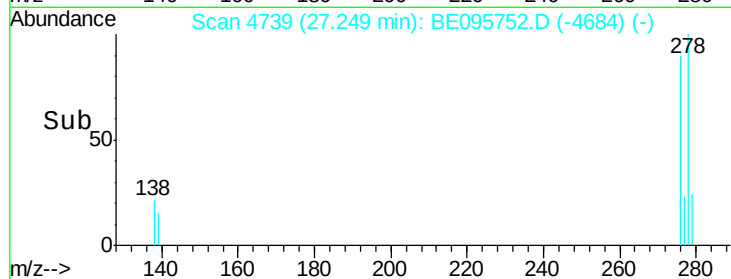
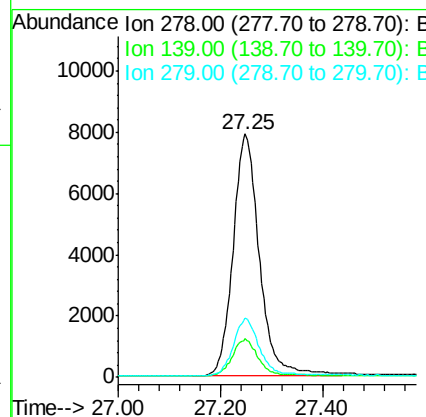
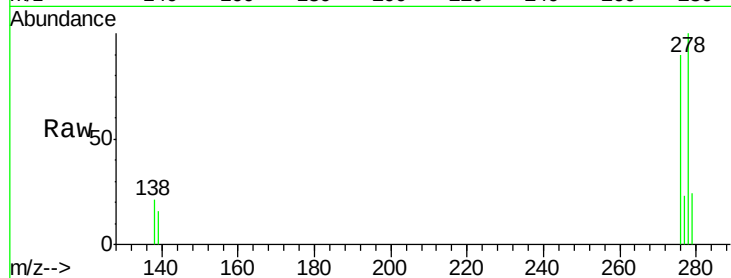


#25
Dibenzo(a,h)anthracene
Concen: 1.754 ng/ul
RT: 27.25 min Scan# 4739
Delta R.T. -0.00 min
Lab File: BE095752.D
Acq: 13 Mar 2018 16:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 28511

Ion	Ratio	Lower	Upper
278	100		
139	15.7	17.4	26.0#
279	24.3	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 1.751 ng/ul
RT: 28.10 min Scan# 4978
Delta R.T. 0.00 min
Lab File: BE095752.D
Acq: 13 Mar 2018 16:24

Tgt Ion:276 Resp: 29460

Ion	Ratio	Lower	Upper
276	100		
138	20.7	21.8	32.8#
277	24.1	20.5	30.7

