

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095305.D
 Acq On : 31 Jan 2018 7:49
 Operator : SJ/JU
 Sample : J1223-08DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 31 09:42:05 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 08:16:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2516	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7723	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4733	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	10583	0.40	ng/ul	0.00
16) Chrysene-d12	21.81	240	11119	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	10992	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.81	152	672	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	1923	0.05	ng/ul	0.00

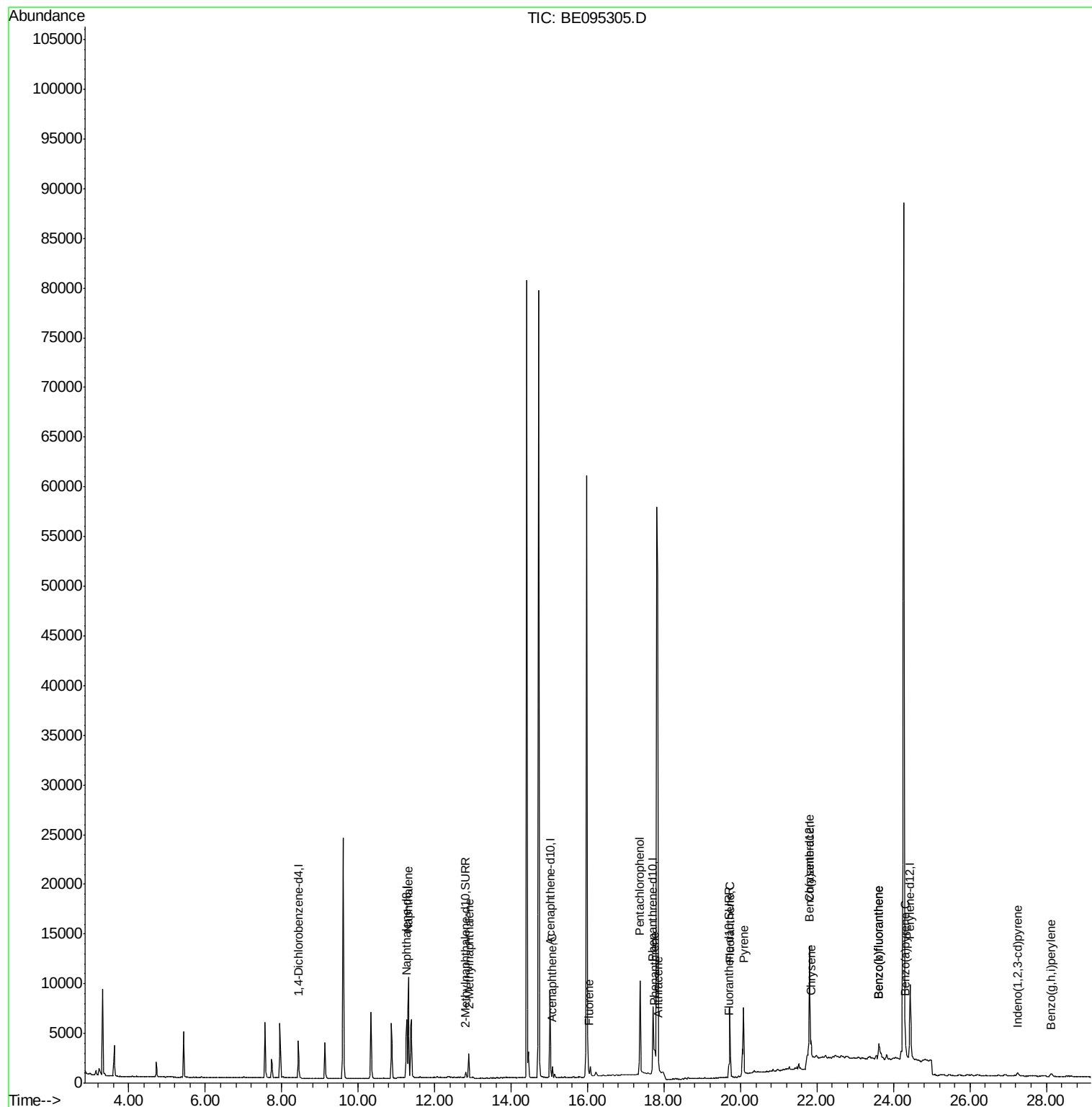
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.31	128	13745	0.636	ng/ul#	88
5) 2-Methylnaphthalene	12.89	142	2002	0.139	ng/ul	99
8) Acenaphthene	15.08	153	615	0.035	ng/ul#	88
9) Fluorene	16.03	166	415	0.023	ng/ul#	76
11) Pentachlorophenol	17.36	266	5978	2.916	ng/ul	95
12) Phenanthrene	17.75	178	2732	0.077	ng/ul#	91
13) Anthracene	17.85	178	658	0.020	ng/ul#	80
15) Fluoranthene	19.72	202	7806	0.169	ng/ul	84
17) Pyrene	20.08	202	8574	0.230	ng/ul#	79
18) Benzo(a)anthracene	21.79	228	2148	0.062	ng/ul#	79
19) Chrysene	21.84	228	2070	0.057	ng/ul#	77
21) Benzo(b)fluoranthene	23.62	252	3782	0.098	ng/ul#	71
22) Benzo(k)fluoranthene	23.62	252	3782	0.107	ng/ul#	69
23) Benzo(a)pyrene	24.32	252	1074	0.031	ng/ul#	26
24) Indeno(1,2,3-cd)pyrene	27.24	276	773	0.020	ng/ul#	81
26) Benzo(a,h,i)perylene	28.12	276	708	0.022	ng/ul#	43

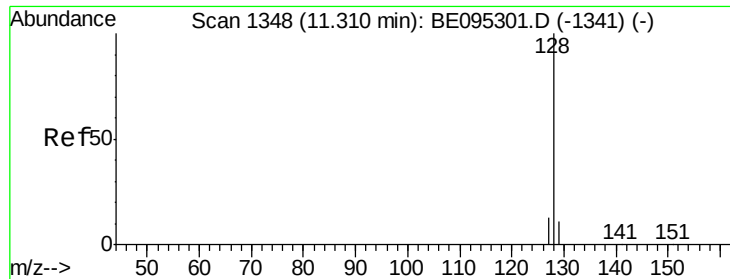
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.636 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095305.D

Acq: 31 Jan 2018 7:49

Instrument :

BNA_E

ClientSampleId :

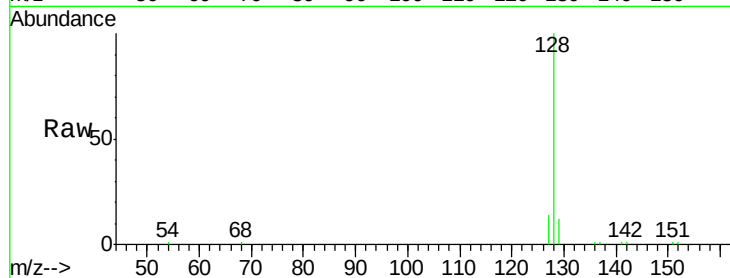
Tot Ion:128 Resp: 13745

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

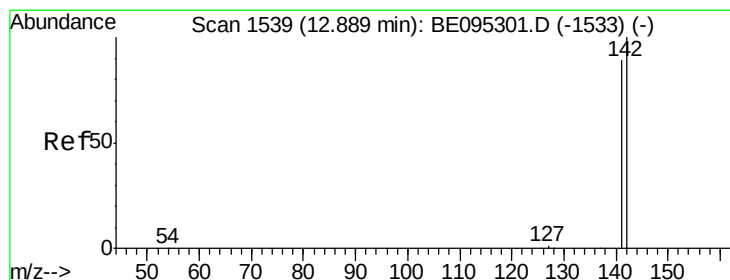
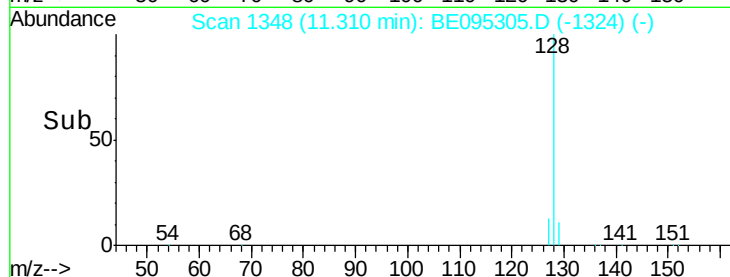
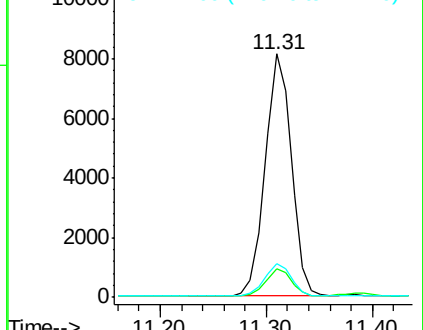
127 13.9 4.0 6.0#



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: 0.139 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE095305.D

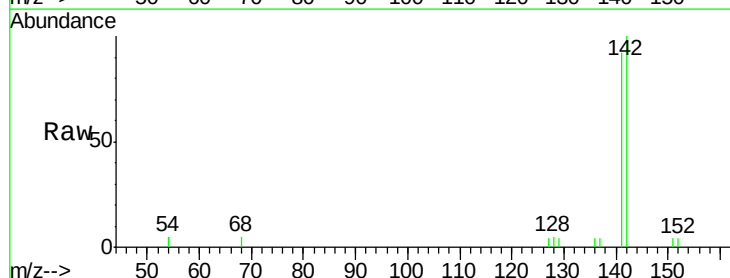
Acq: 31 Jan 2018 7:49

Tgt Ion:142 Resp: 2002

Ion Ratio Lower Upper

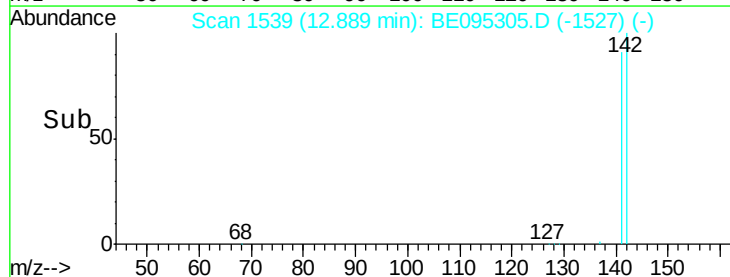
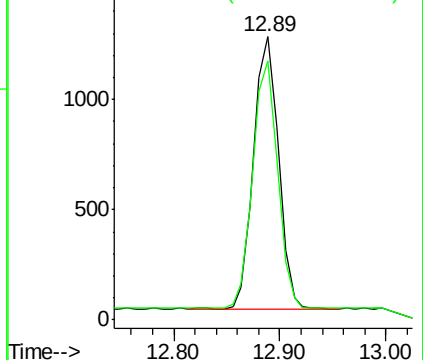
142 100

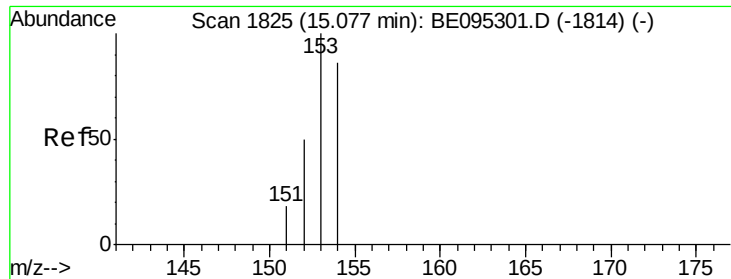
141 90.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.035 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095305.D

Acq: 31 Jan 2018 7:49

Instrument :

BNA_E

ClientSampleId :

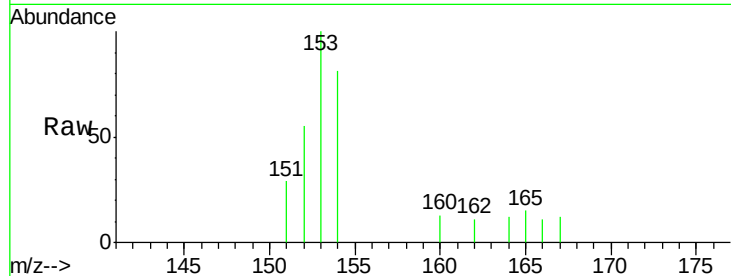
Tot Ion:153 Resp: 615

Ion Ratio Lower Upper

153 100

152 55.4 36.0 54.0#

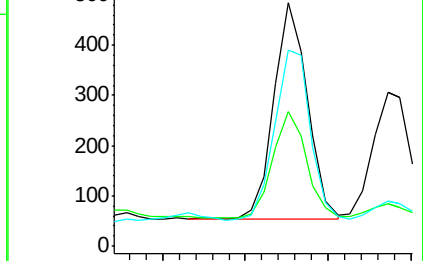
154 80.6 72.0 108.0



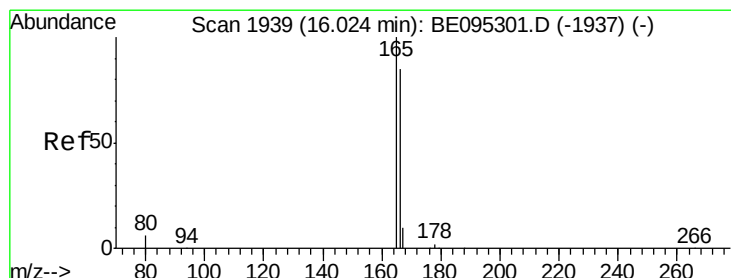
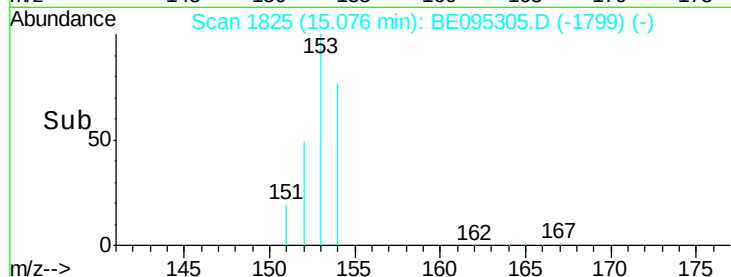
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.023 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095305.D

Acq: 31 Jan 2018 7:49

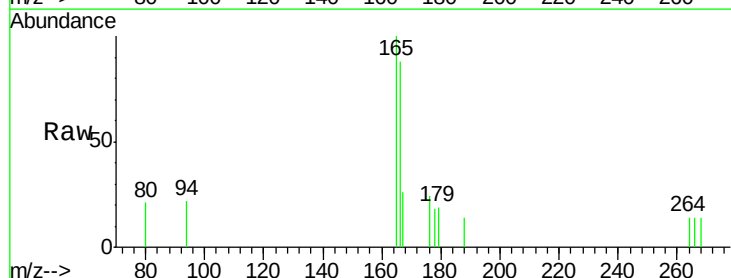
Tgt Ion:166 Resp: 415

Ion Ratio Lower Upper

166 100

165 114.2 73.4 110.2#

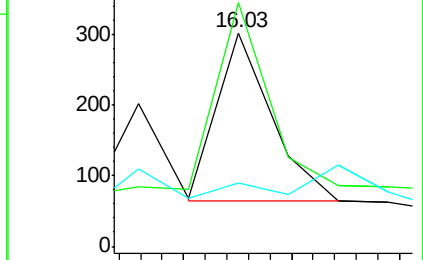
167 29.5 14.6 22.0#



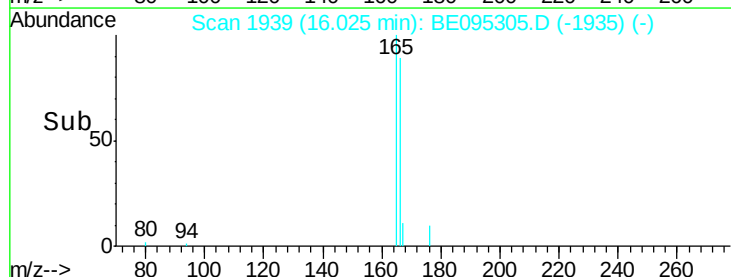
Abundance Ion 166.00 (165.70 to 166.70): E

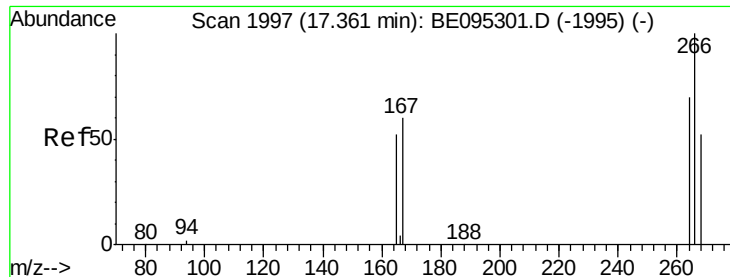
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

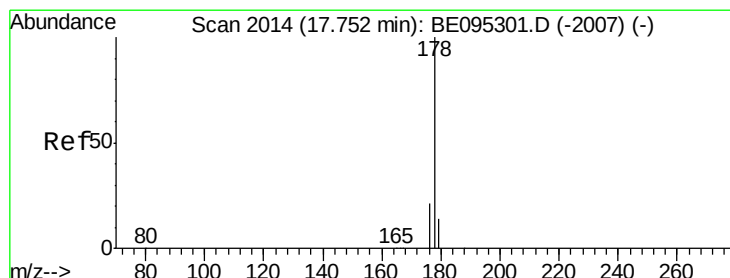
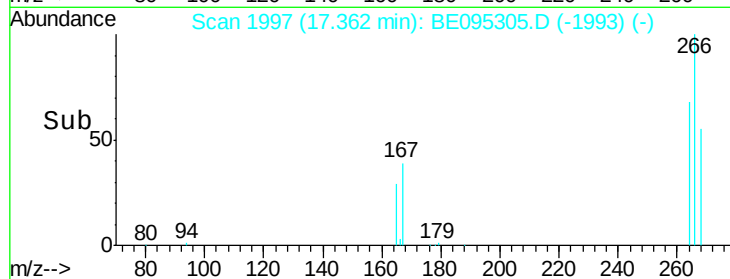
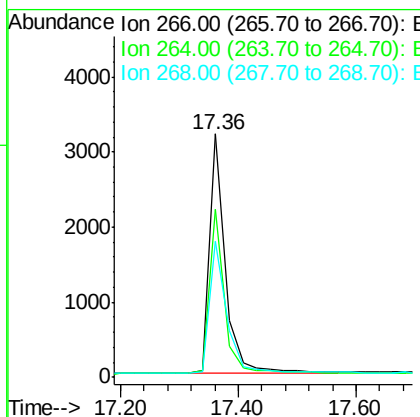
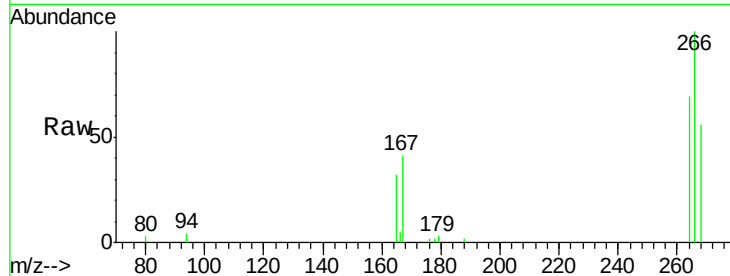




#11
 Pentachlorophenol
 Concen: 2.916 ng/ul
 RT: 17.36 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BE095305.D
 Acq: 31 Jan 2018 7:49

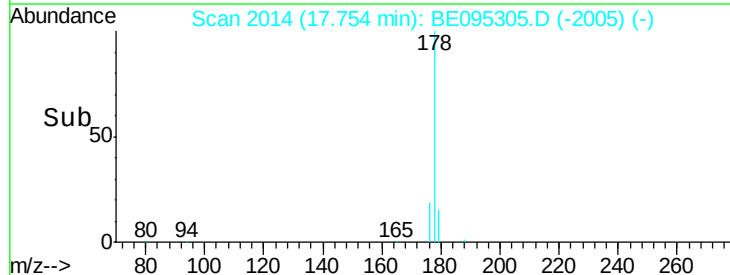
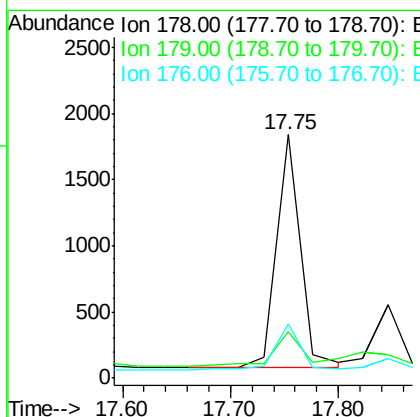
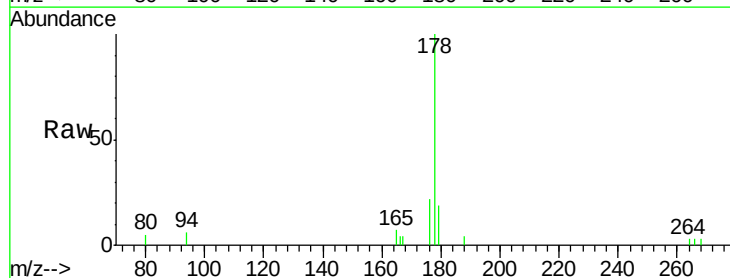
Instrument :
 BNA_E
 ClientSampleId :

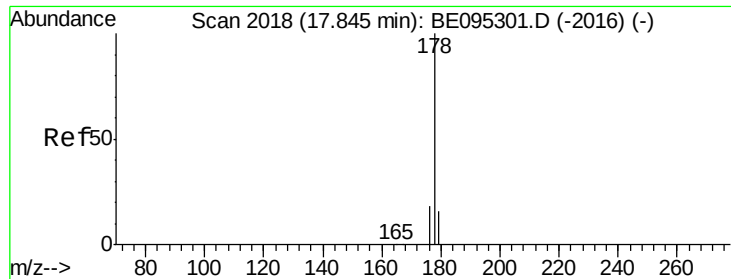
Tot Ion:266 Resp: 5978
 Ion Ratio Lower Upper
 266 100
 264 65.4 47.9 71.9
 268 60.4 49.8 74.8



#12
 Phenanthrene
 Concen: 0.077 ng/ul
 RT: 17.75 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: BE095305.D
 Acq: 31 Jan 2018 7:49

Tgt Ion:178 Resp: 2732
 Ion Ratio Lower Upper
 178 100
 179 19.3 18.4 27.6
 176 22.1 13.6 20.4#





#13

Anthracene

Concen: 0.020 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095305.D

Acq: 31 Jan 2018 7:49

Instrument :

BNA_E

ClientSampleId :

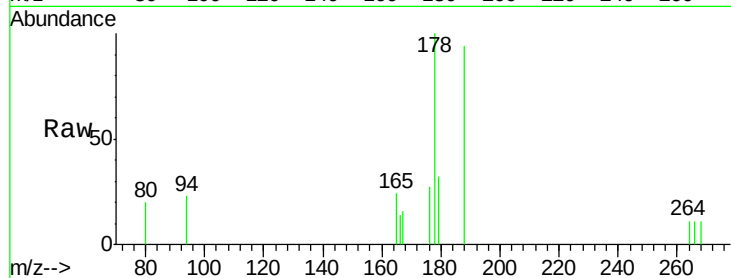
Tot Ion:178 Resp: 658

Ion Ratio Lower Upper

178 100

179 31.9 18.1 27.1#

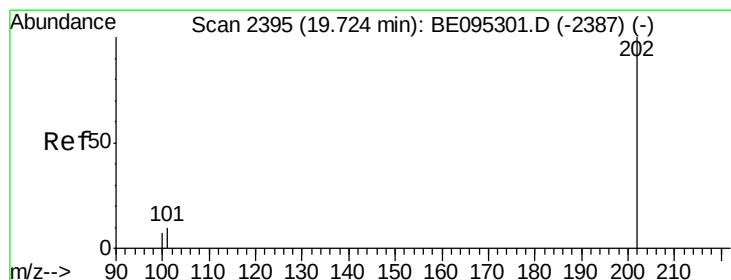
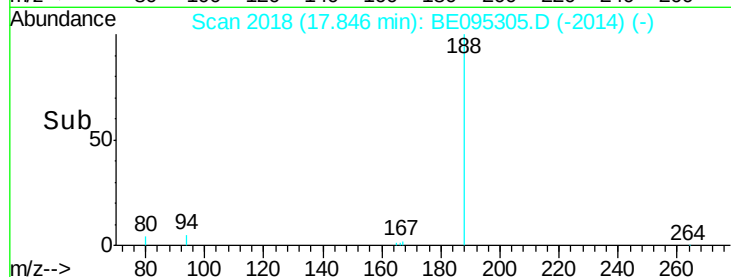
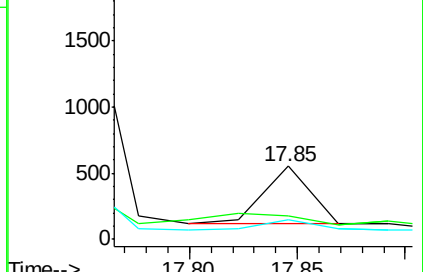
176 27.3 14.7 22.1#



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: 0.169 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BE095305.D

Acq: 31 Jan 2018 7:49

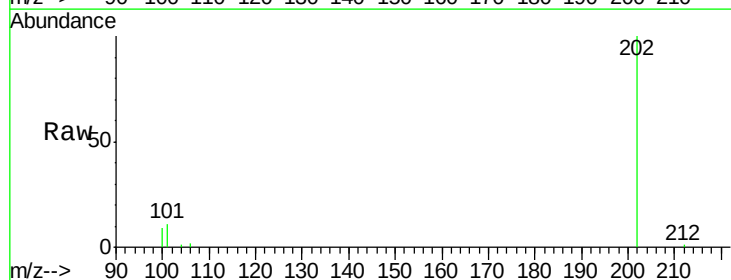
Tgt Ion:202 Resp: 7806

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

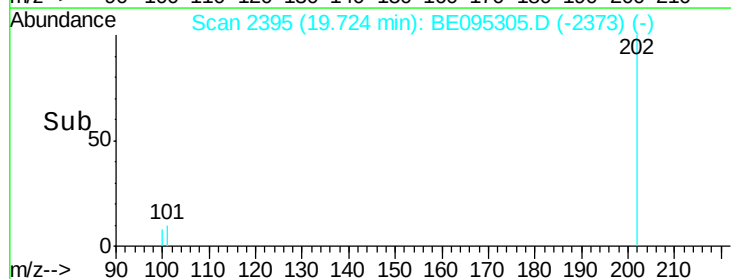
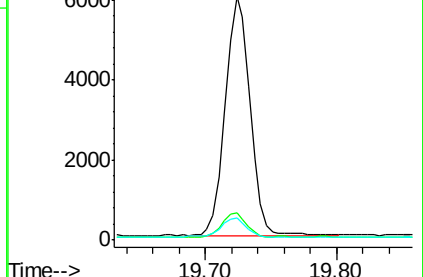
100 9.0 0.0 39.5

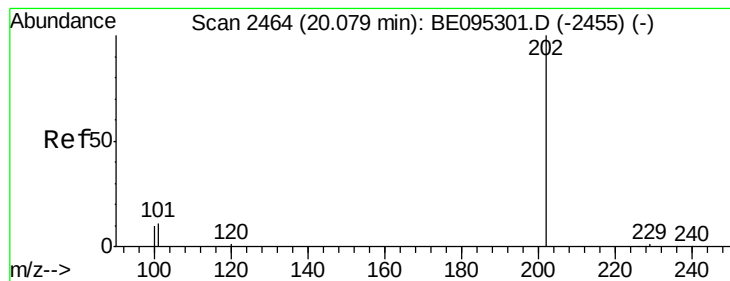


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.230 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. -0.00 min

Lab File: BE095305.D

Acq: 31 Jan 2018 7:49

Instrument :

BNA_E

ClientSampleId :

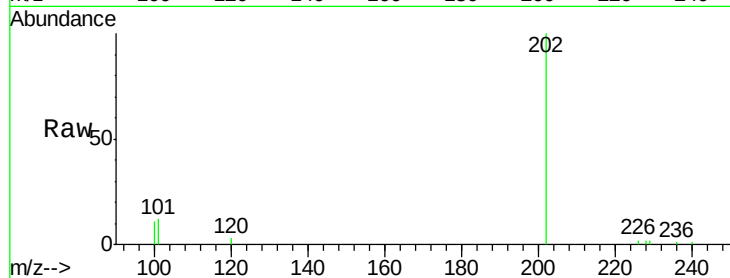
Tot Ion:202 Resp: 8574

Ion Ratio Lower Upper

202 100

101 12.3 18.2 27.4#

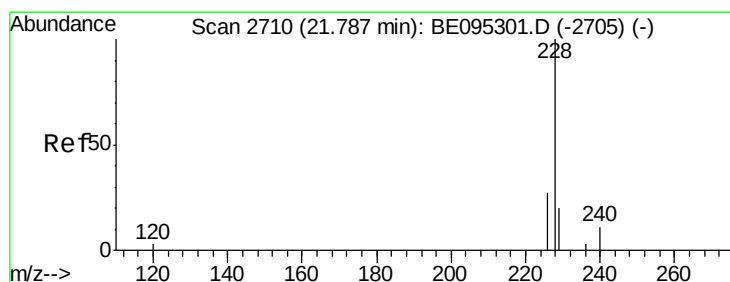
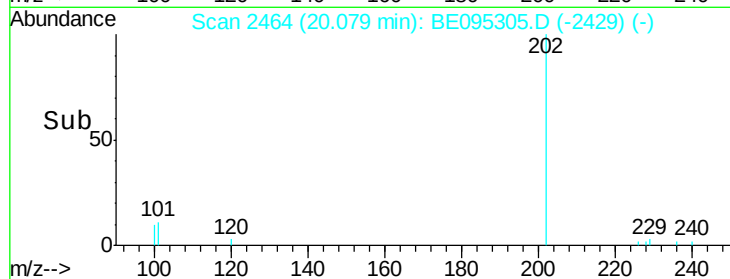
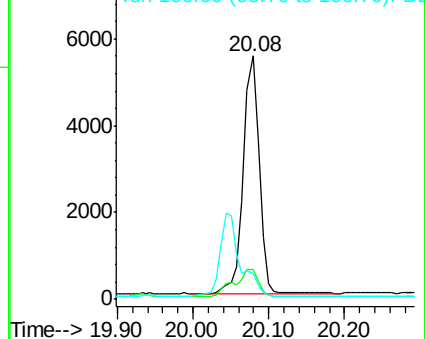
100 10.7 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 0.062 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE095305.D

Acq: 31 Jan 2018 7:49

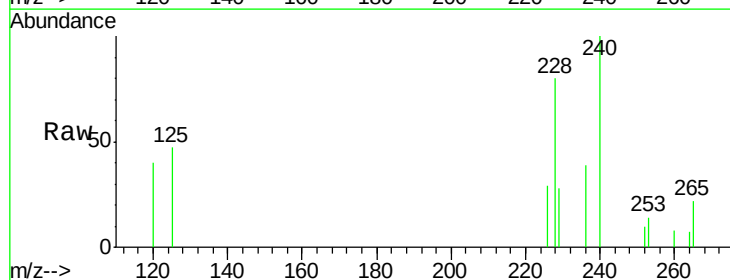
Tgt Ion:228 Resp: 2148

Ion Ratio Lower Upper

228 100

229 35.4 22.8 34.2#

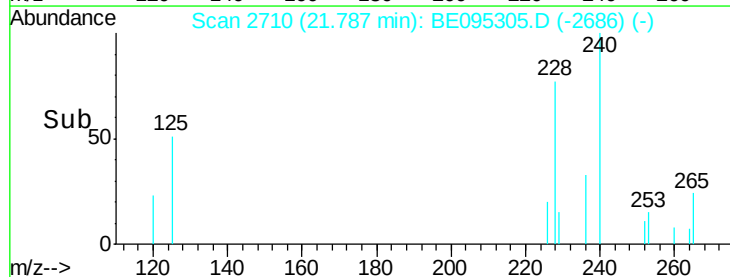
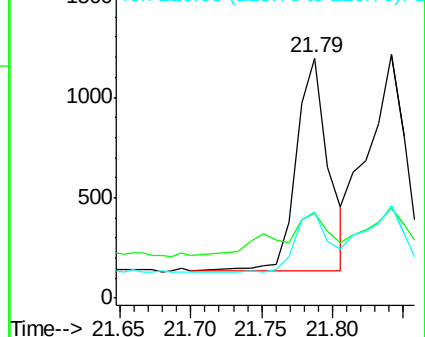
226 35.9 17.0 25.6#

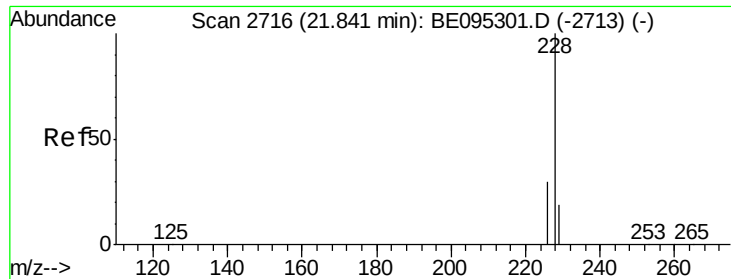


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.057 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE095305.D

Acq: 31 Jan 2018 7:49

Instrument :

BNA_E

ClientSampleId :

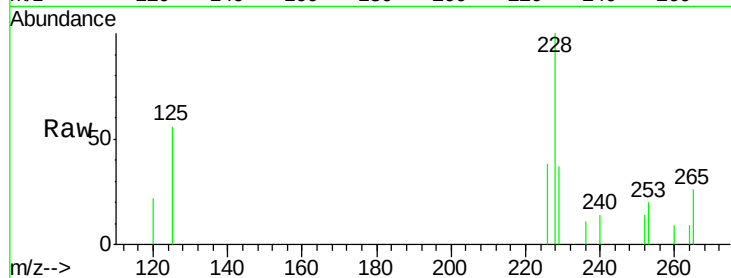
Tot Ion:228 Resp: 2070

Ion Ratio Lower Upper

228 100

226 38.2 23.4 35.0#

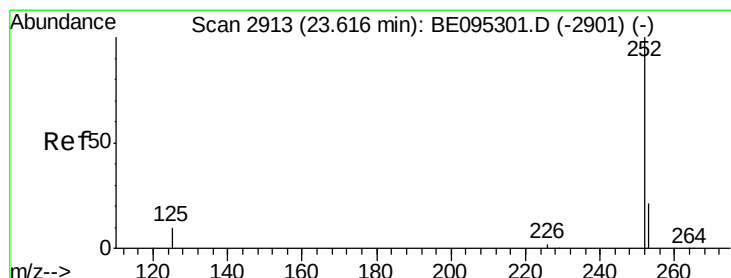
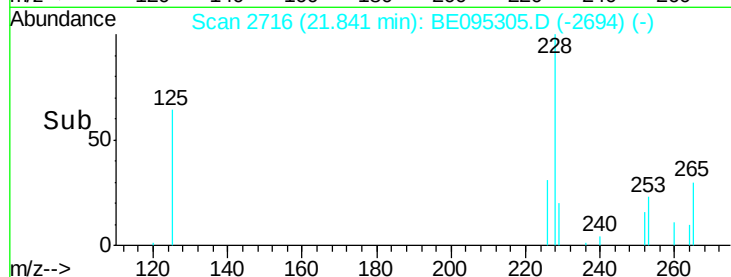
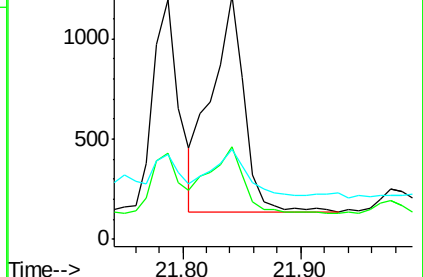
229 36.9 17.7 26.5#



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: 0.098 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BE095305.D

Acq: 31 Jan 2018 7:49

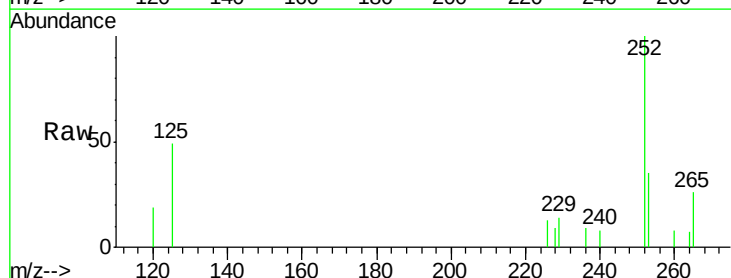
Tgt Ion:252 Resp: 3782

Ion Ratio Lower Upper

252 100

253 34.7 0.0 64.2

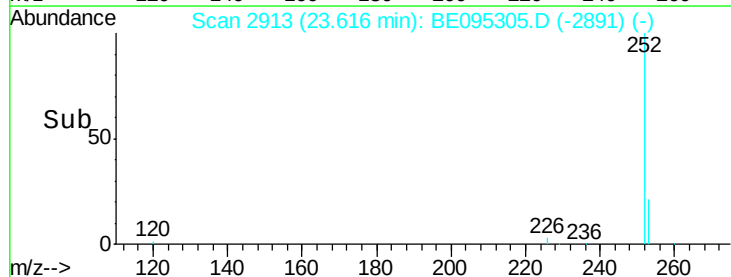
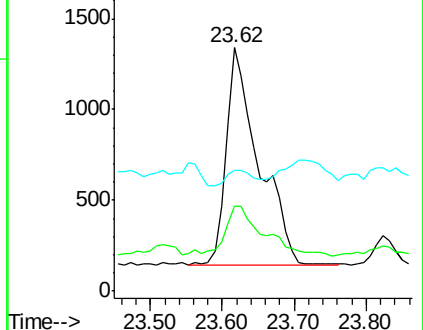
125 49.4 0.0 35.0#

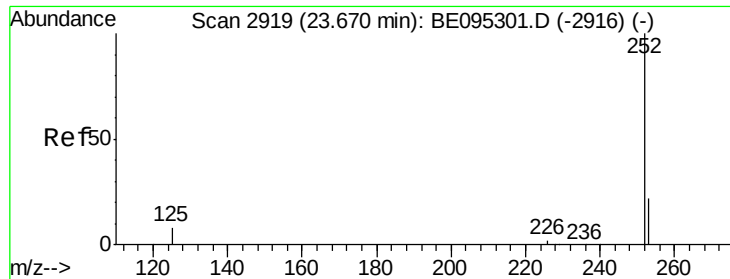


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

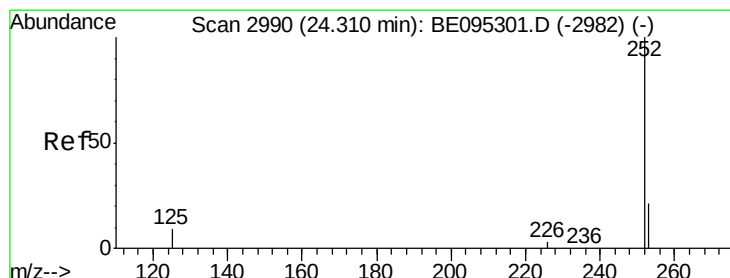
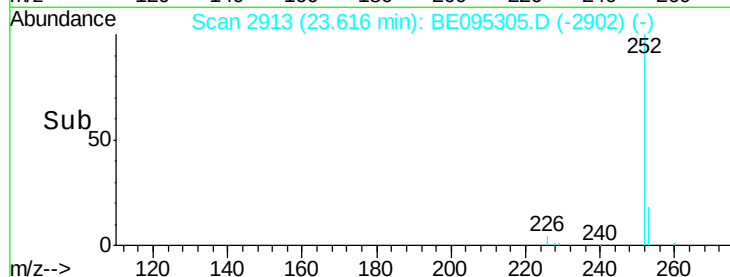
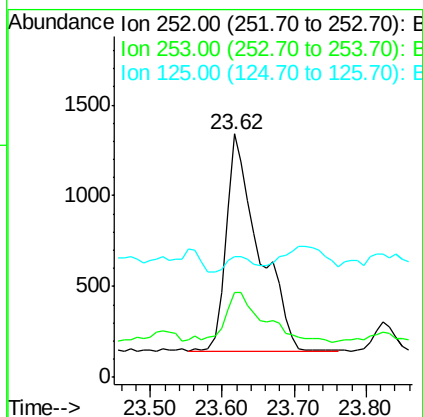
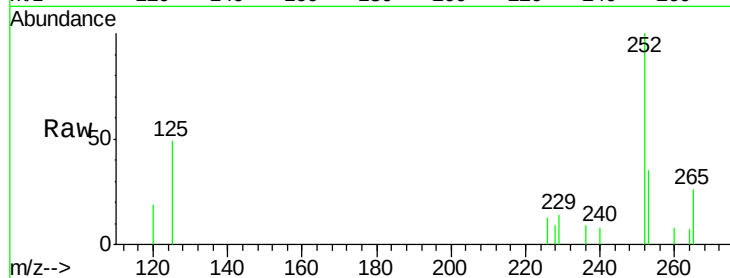




#22
Benzo(k)fluoranthene
Concen: 0.107 ng/ul
RT: 23.62 min Scan# 2913
Delta R.T. -0.05 min
Lab File: BE095305.D
Acq: 31 Jan 2018 7:49

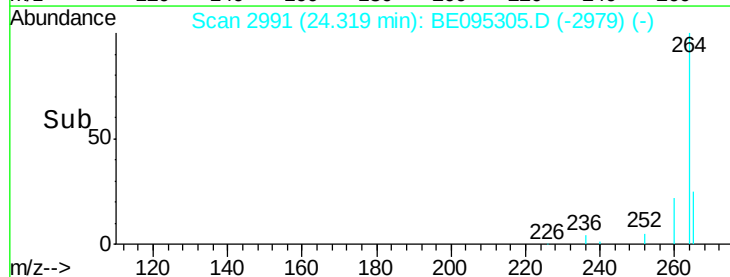
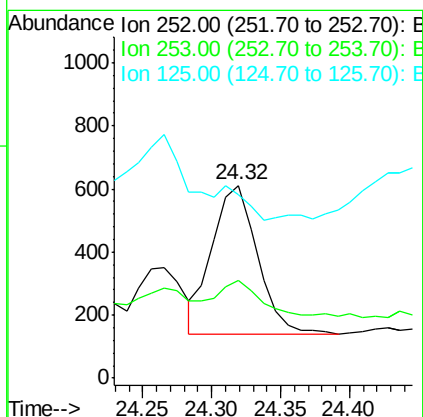
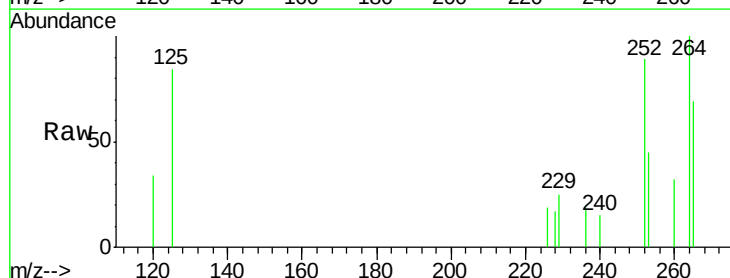
Instrument :
BNA_E
ClientSampleId :

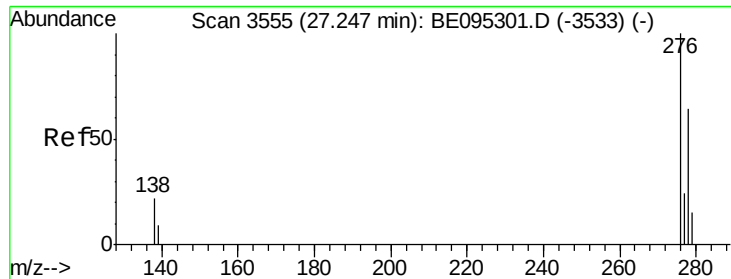
Tot Ion:252 Resp: 3782
Ion Ratio Lower Upper
252 100
253 34.7 24.5 36.7
125 49.4 13.7 20.5#



#23
Benzo(a)pyrene
Concen: 0.031 ng/ul
RT: 24.32 min Scan# 2991
Delta R.T. 0.01 min
Lab File: BE095305.D
Acq: 31 Jan 2018 7:49

Tgt Ion:252 Resp: 1074
Ion Ratio Lower Upper
252 100
253 50.3 28.5 42.7#
125 94.8 18.1 27.1#



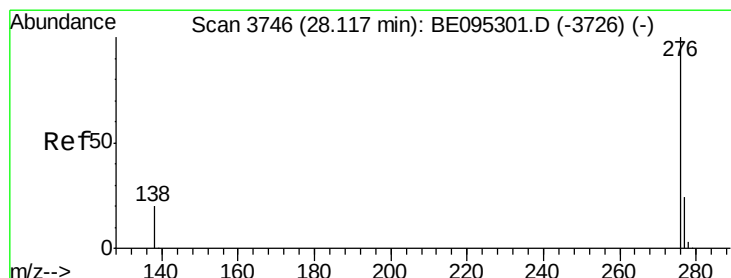
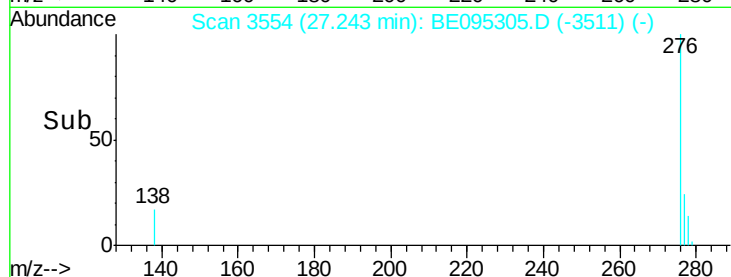
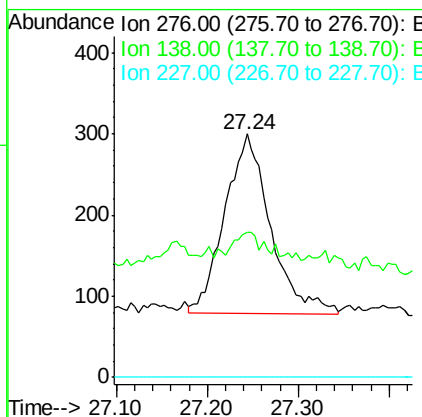
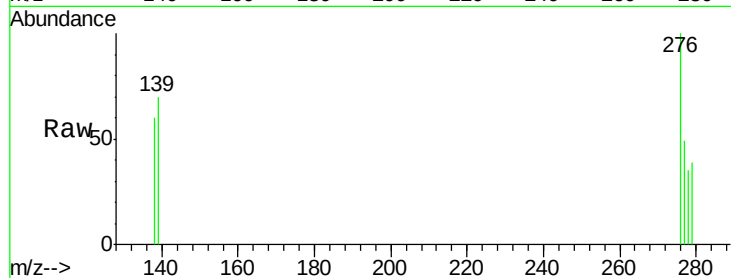


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.020 ng/ul
RT: 27.24 min Scan# 3554
Delta R.T. -0.00 min
Lab File: BE095305.D
Acq: 31 Jan 2018 7:49

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 773
Ion Ratio Lower Upper
276 100
138 25.1 28.0 42.0#
227 0.0 8.0 12.0#



#26

Benzo(g,h,i)perylene
Concen: 0.022 ng/ul
RT: 28.12 min Scan# 3747
Delta R.T. 0.01 min
Lab File: BE095305.D
Acq: 31 Jan 2018 7:49

Tgt Ion:276 Resp: 708
Ion Ratio Lower Upper
276 100
138 59.1 21.8 32.8#
277 52.4 20.5 30.7#

