

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095297.D
 Acq On : 31 Jan 2018 3:02
 Operator : SJ/JU
 Sample : J1223-15DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 31 03:44:33 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 03:40:45 2018
 Response via : Initial Calibration

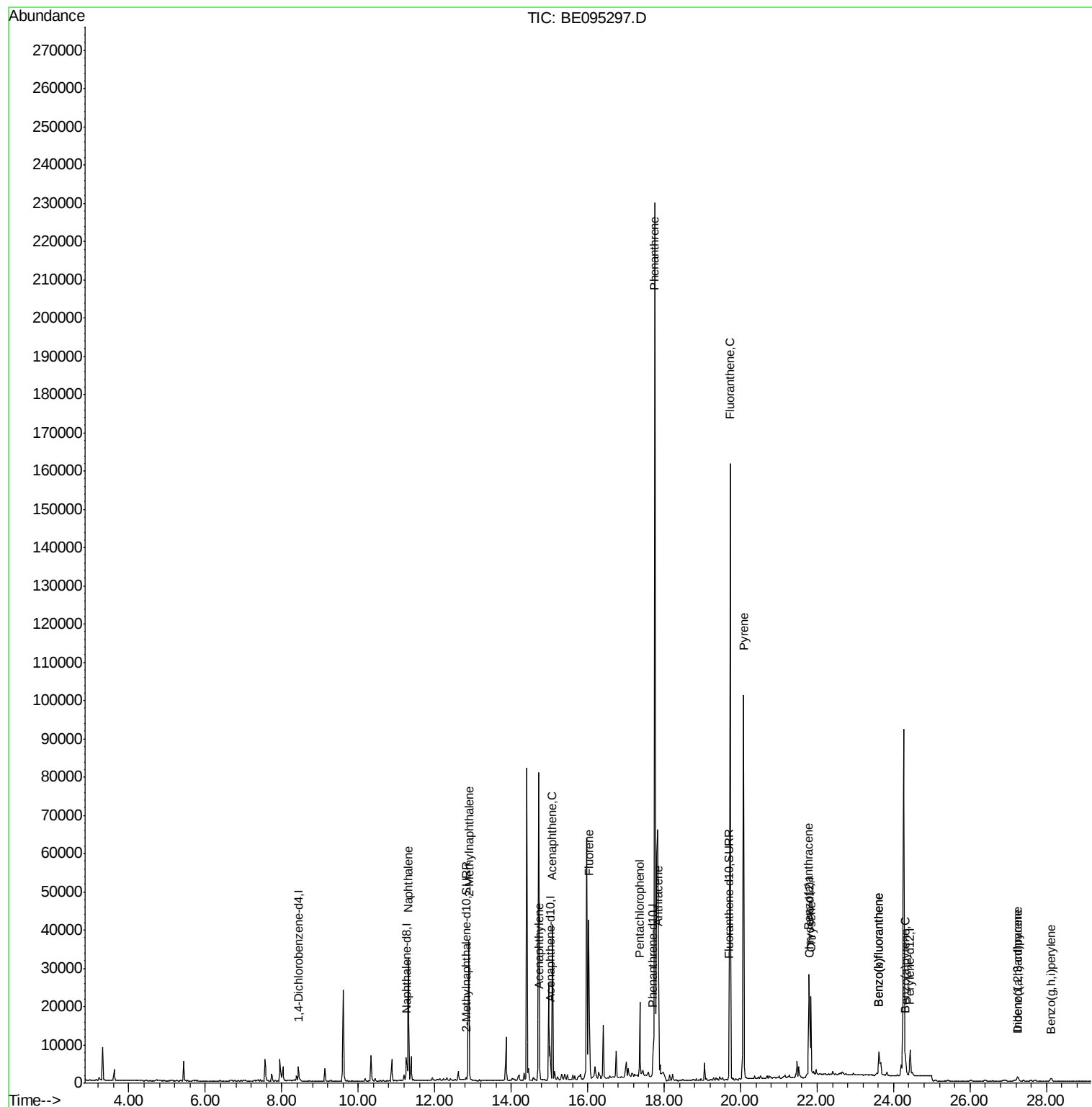
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2557	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7895	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	5493	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	10206	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	10718	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	10629	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	718	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	2046	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	44943	2.033	ng/ul#	88
5) 2-Methylnaphthalene	12.89	142	28459	1.928	ng/ul	99
7) Acenaphthylene	14.74	152	1221	0.046	ng/ul#	58
8) Acenaphthene	15.08	153	24086	1.175	ng/ul	93
9) Fluorene	16.02	166	35767	1.692	ng/ul#	77
11) Pentachlorophenol	17.36	266	11529	5.832	ng/ul	96
12) Phenanthrene	17.75	178	257196	7.493	ng/ul#	87
13) Anthracene	17.85	178	30123	0.959	ng/ul#	92
15) Fluoranthene	19.72	202	180641	4.064	ng/ul	83
17) Pyrene	20.08	202	142227	3.955	ng/ul#	77
18) Benzo(a)anthracene	21.79	228	29945	0.894	ng/ul#	87
19) Chrysene	21.84	228	19230	0.553	ng/ul	97
21) Benzo(b)fluoranthene	23.62	252	16697	0.445	ng/ul	91
22) Benzo(k)fluoranthene	23.62	252	16697	0.487	ng/ul	92
23) Benzo(a)pyrene	24.32	252	5763	0.172	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	27.24	276	2106	0.057	ng/ul#	76
25) Dibenzo(a,h)anthracene	27.27	278	620	0.021	ng/ul#	34
26) Benzo(g,h,i)perylene	28.12	276	1791	0.058	ng/ul#	85

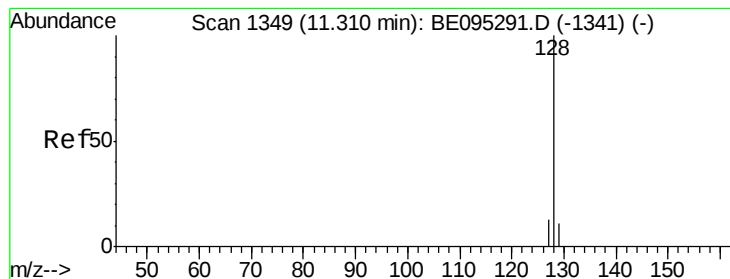
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.033 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

Instrument :

BNA_E

ClientSampleId :

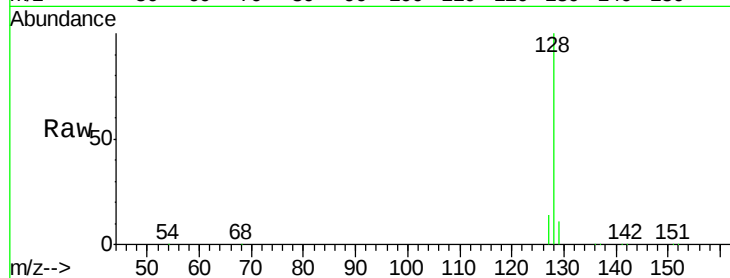
Tot Ion:128 Resp: 44943

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

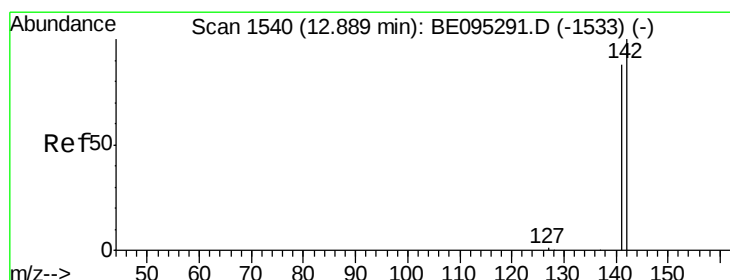
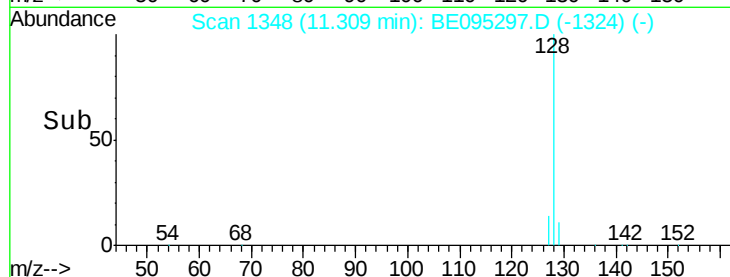
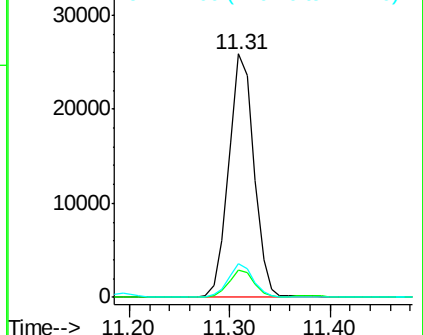
127 13.7 4.0 6.0#



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: 1.928 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE095297.D

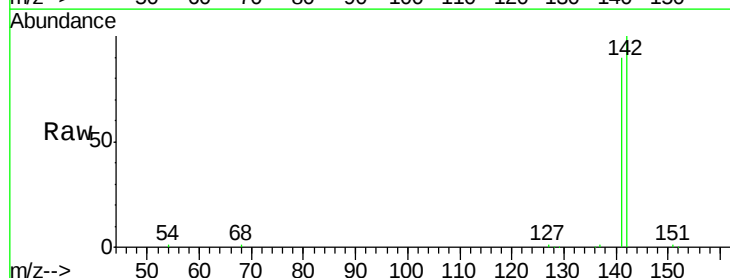
Acq: 31 Jan 2018 3:02

Tgt Ion:142 Resp: 28459

Ion Ratio Lower Upper

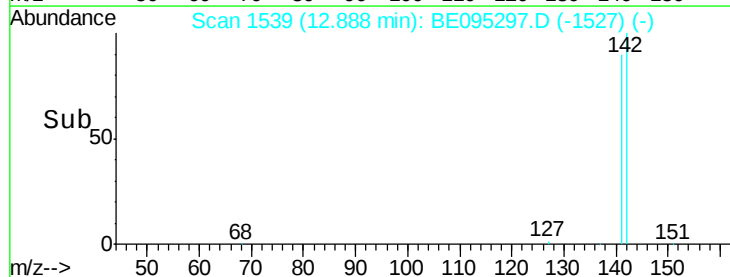
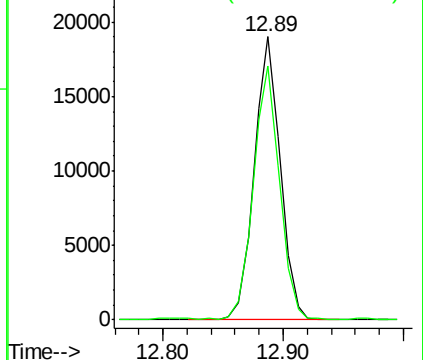
142 100

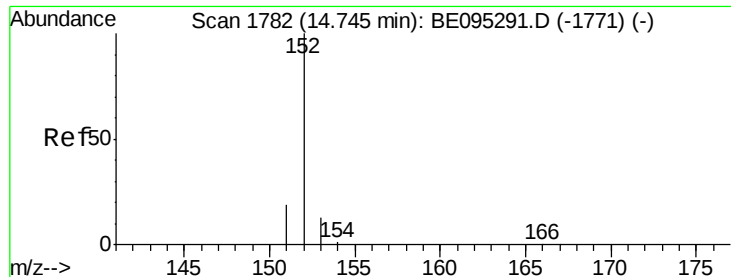
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.046 ng/ul

RT: 14.74 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

Instrument :

BNA_E

ClientSampled :

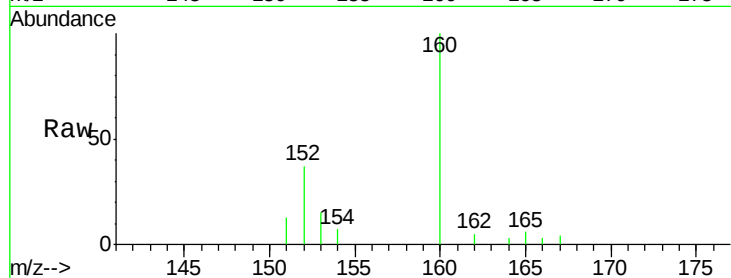
Tot Ion:152 Resp: 1221

Ion Ratio Lower Upper

152 100

151 36.2 17.1 25.7#

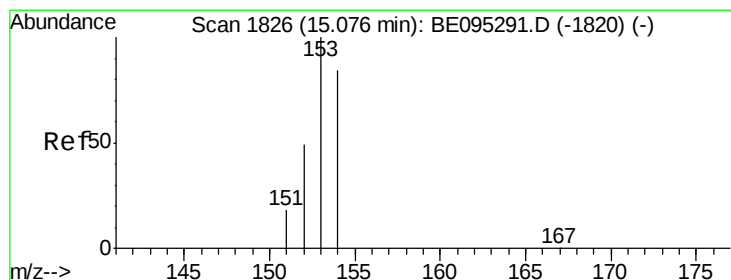
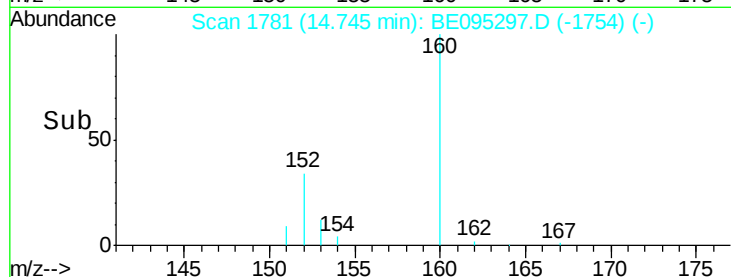
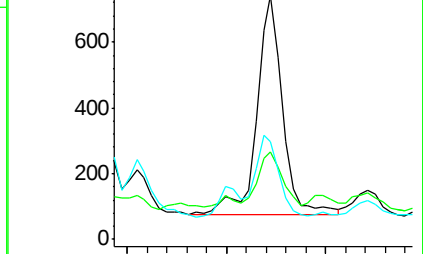
153 40.1 12.8 19.2#



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: 1.175 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

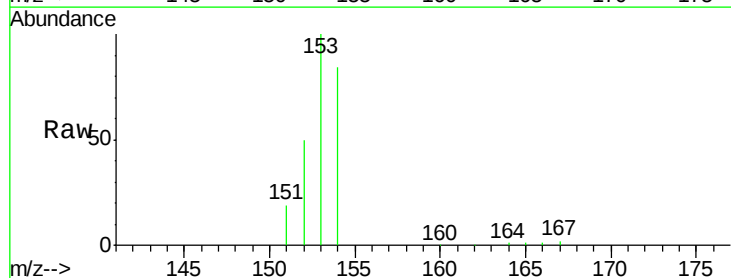
Tgt Ion:153 Resp: 24086

Ion Ratio Lower Upper

153 100

152 50.4 36.0 54.0

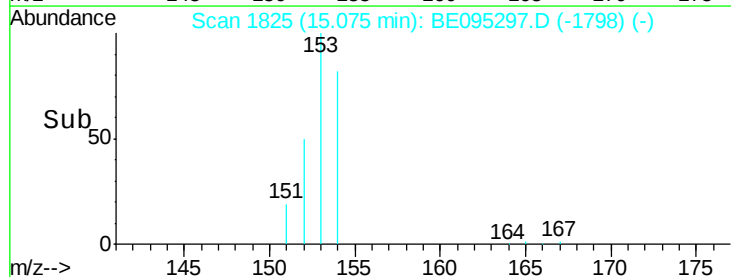
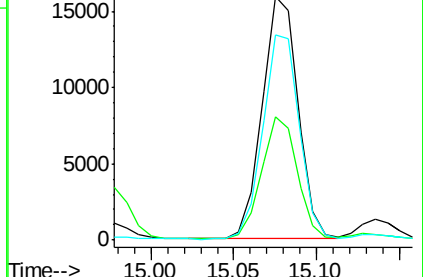
154 84.1 72.0 108.0

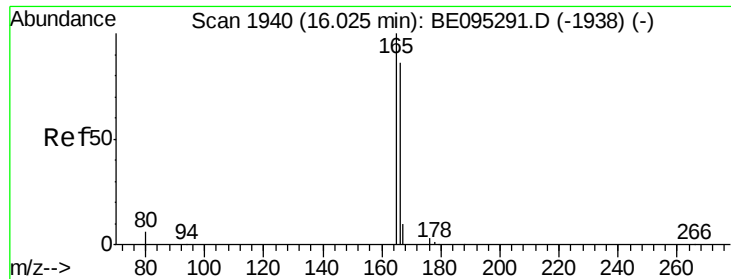


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.692 ng/ul

RT: 16.02 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

Instrument :

BNA_E

ClientSampleId :

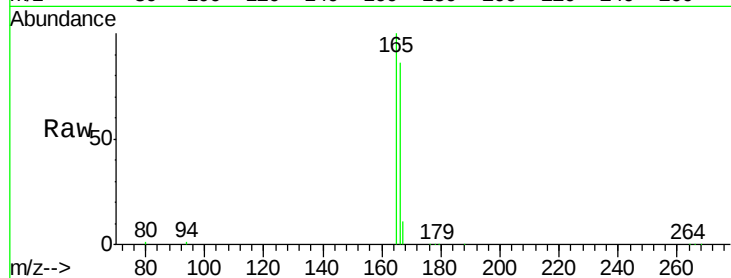
Tot Ion:166 Resp: 35767

Ion Ratio Lower Upper

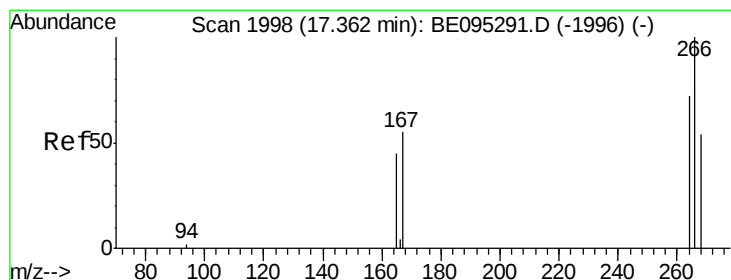
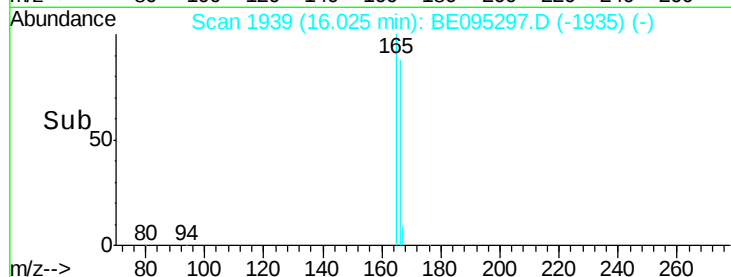
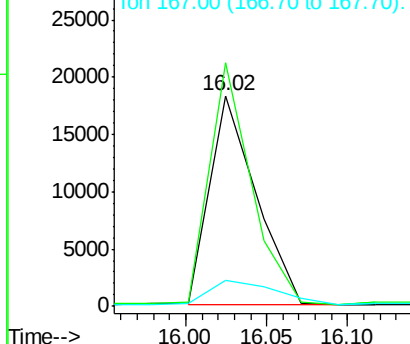
166 100

165 115.6 73.4 110.2#

167 12.5 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: 5.832 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

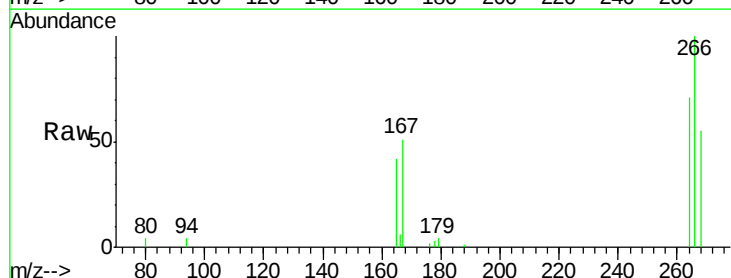
Tgt Ion:266 Resp: 11529

Ion Ratio Lower Upper

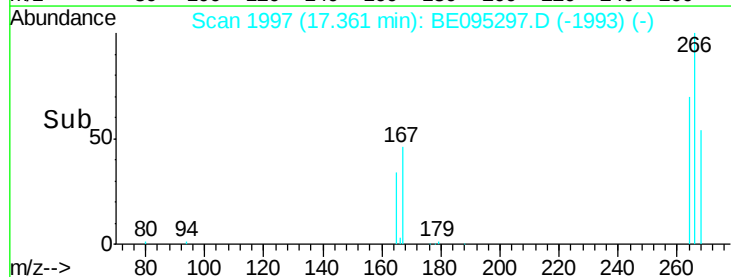
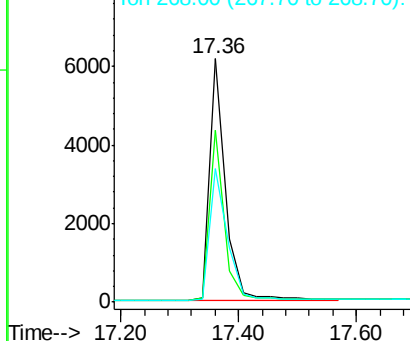
266 100

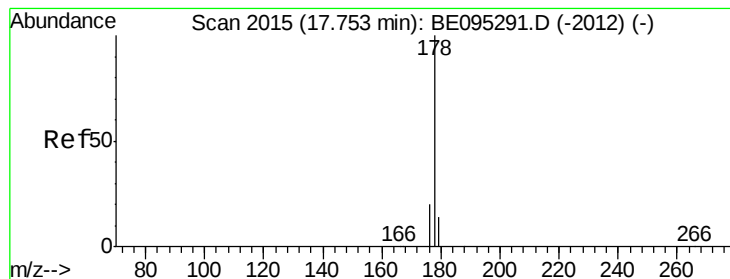
264 65.4 47.9 71.9

268 61.2 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: 7.493 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

Instrument :

BNA_E

ClientSampleId :

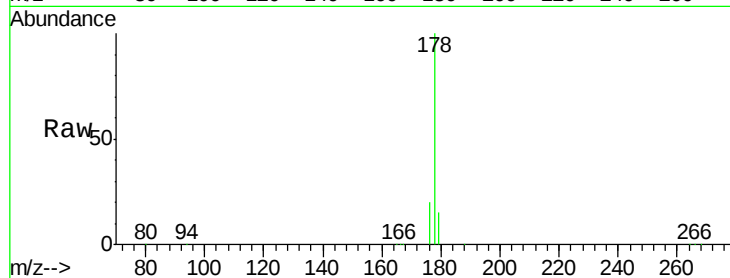
Tot Ion:178 Resp: 257196

Ion Ratio Lower Upper

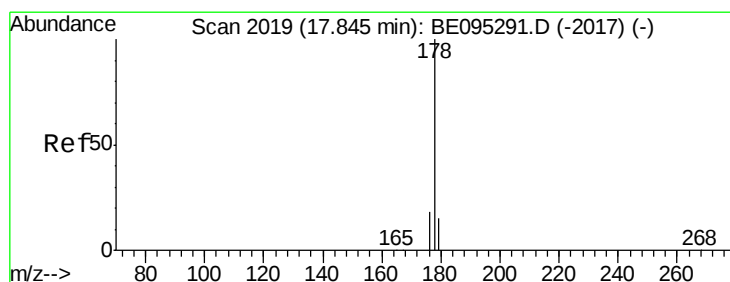
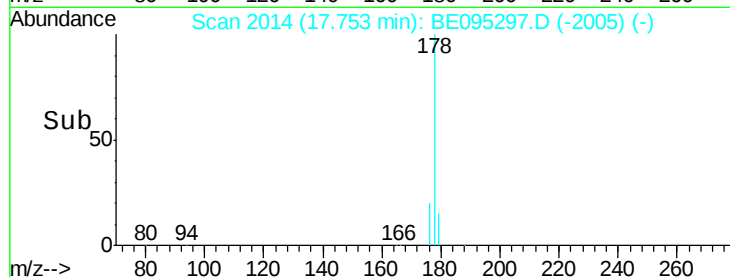
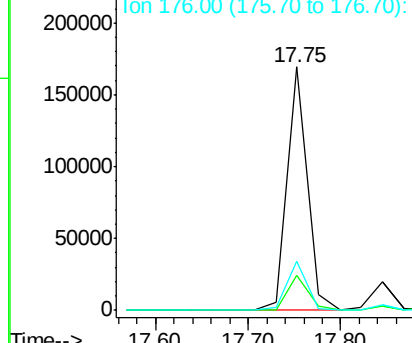
178 100

179 14.6 18.4 27.6#

176 20.3 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: 0.959 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

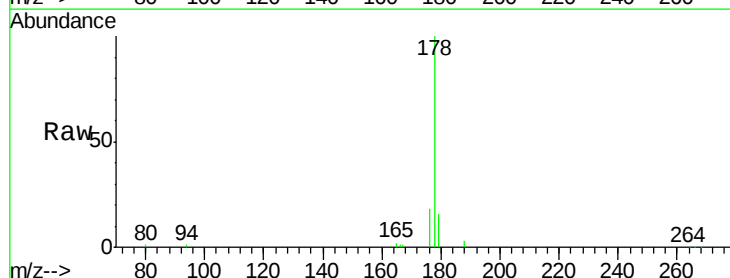
Tgt Ion:178 Resp: 30123

Ion Ratio Lower Upper

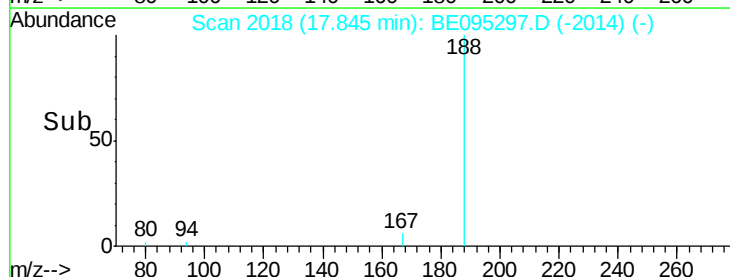
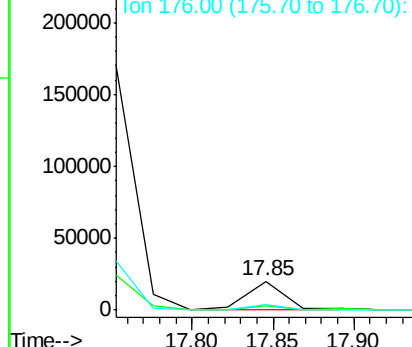
178 100

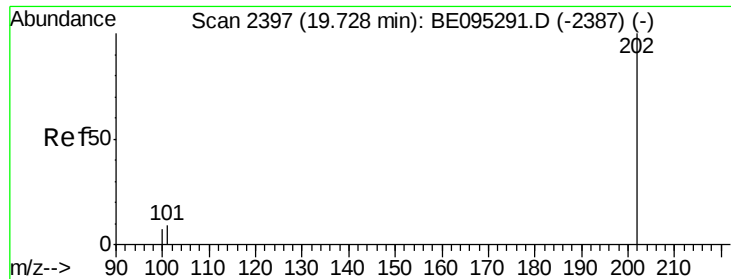
179 16.0 18.1 27.1#

176 18.2 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: 4.064 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

Instrument :

BNA_E

ClientSampleId :

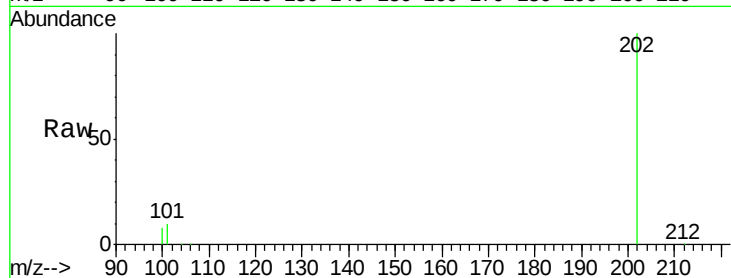
Tot Ion:202 Resp: 180641

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.3

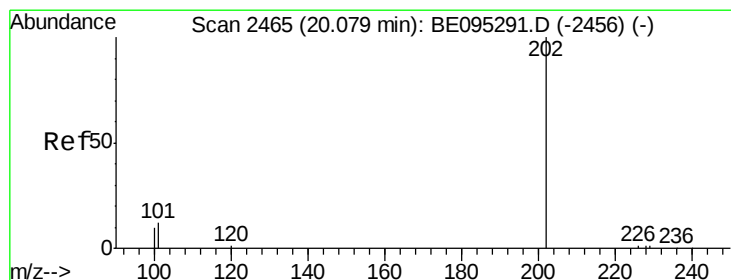
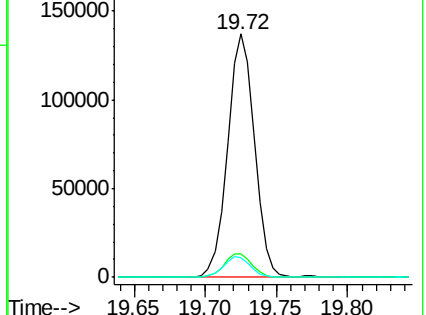
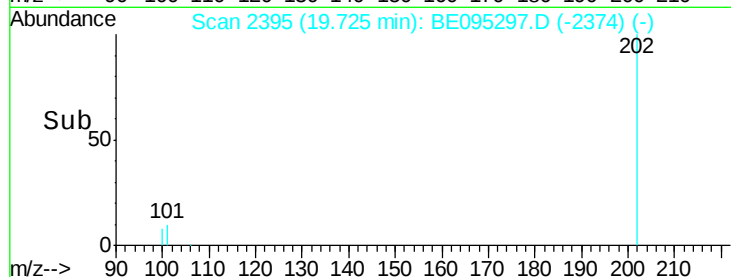
100 8.0 0.0 39.5



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: 3.955 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

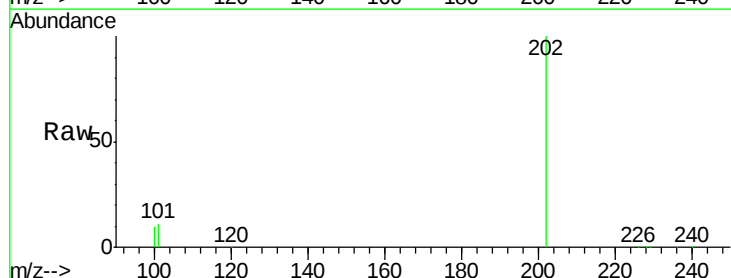
Tgt Ion:202 Resp: 142227

Ion Ratio Lower Upper

202 100

101 11.0 18.2 27.4#

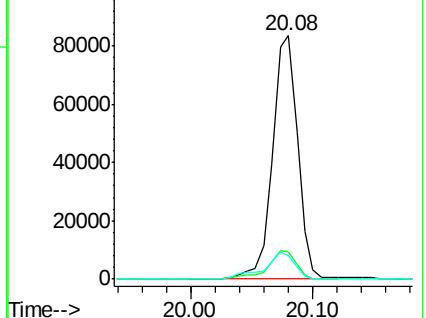
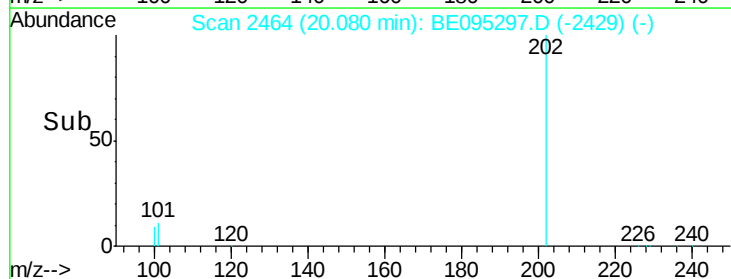
100 9.5 15.6 23.4#

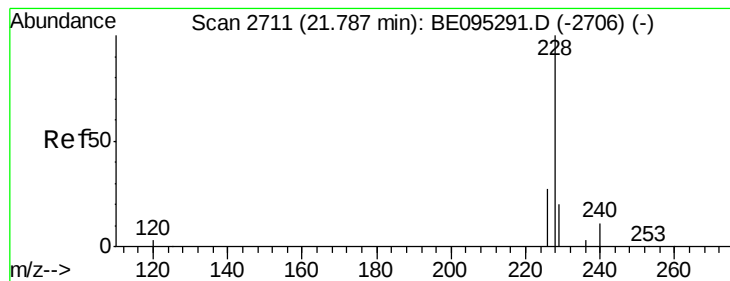


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.894 ng/ul

RT: 21.79 min Scan# 2709

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

Instrument :

BNA_E

ClientSampleId :

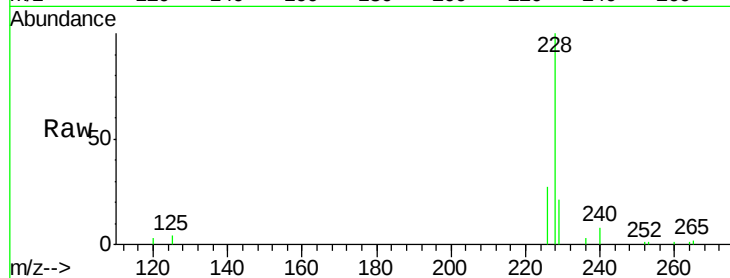
Tot Ion:228 Resp: 29945

Ion Ratio Lower Upper

228 100

229 21.2 22.8 34.2#

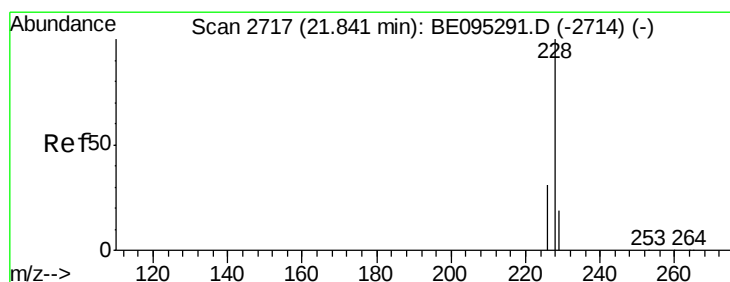
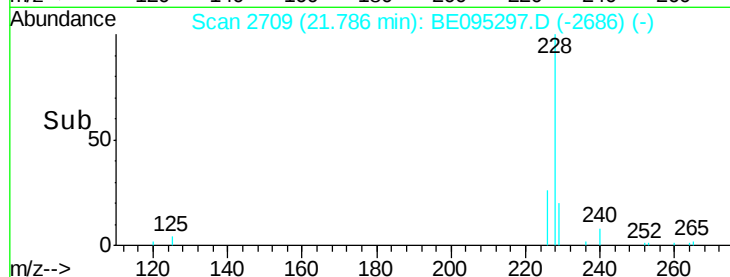
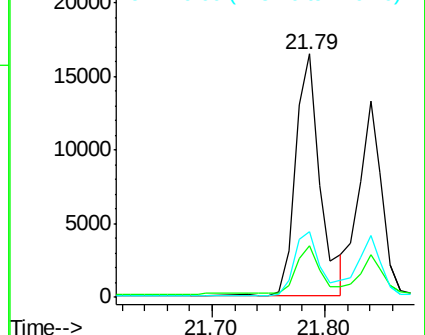
226 27.0 17.0 25.6#



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: 0.553 ng/ul

RT: 21.84 min Scan# 2715

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

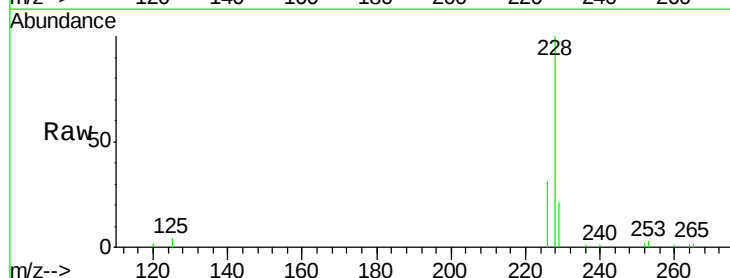
Tgt Ion:228 Resp: 19230

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

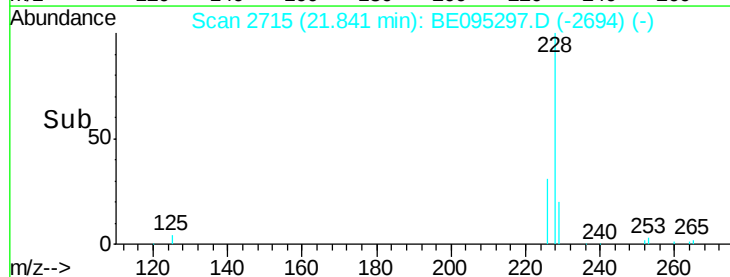
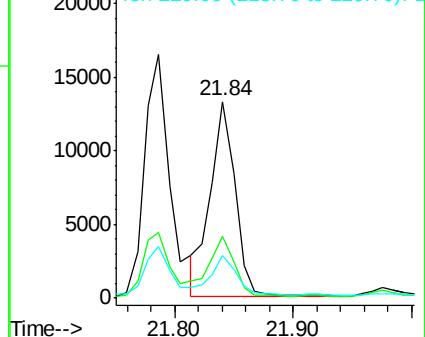
229 21.5 17.7 26.5

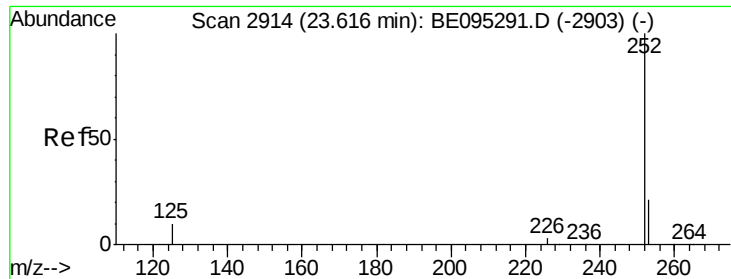


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.445 ng/ul

RT: 23.62 min Scan# 2912

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

Instrument :

BNA_E

ClientSampleId :

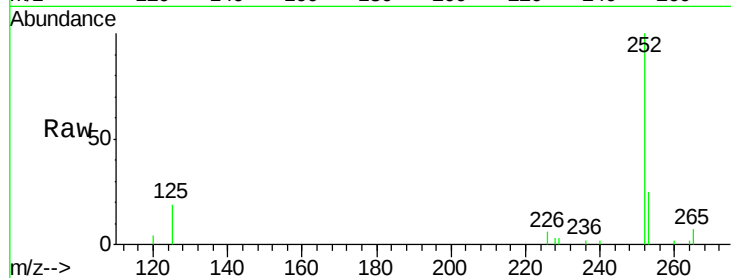
Tot Ion:252 Resp: 16697

Ion Ratio Lower Upper

252 100

253 25.3 0.0 64.2

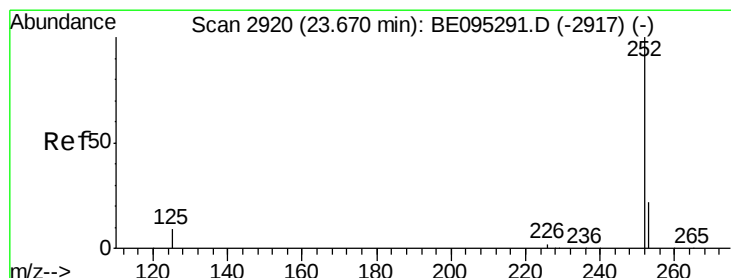
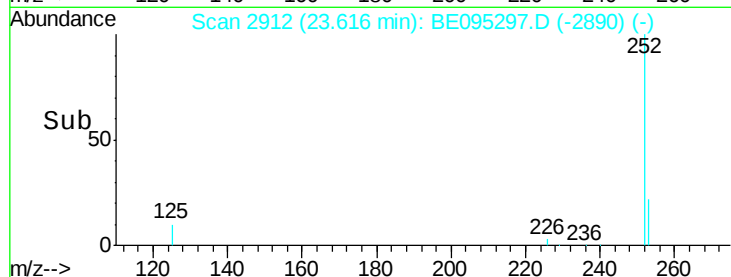
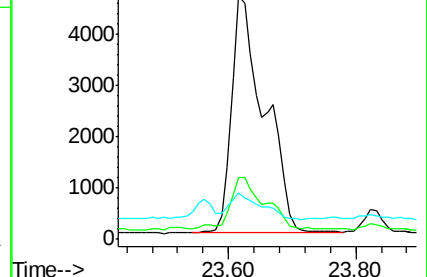
125 18.9 0.0 35.0



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: 0.487 ng/ul

RT: 23.62 min Scan# 2912

Delta R.T. -0.05 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

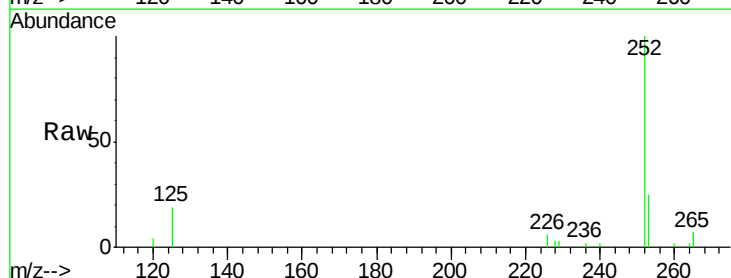
Tgt Ion:252 Resp: 16697

Ion Ratio Lower Upper

252 100

253 25.3 24.5 36.7

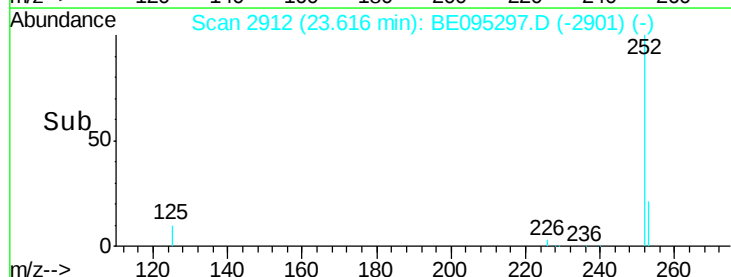
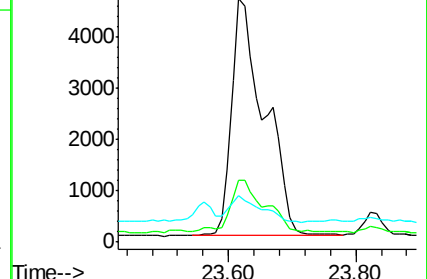
125 18.9 13.7 20.5

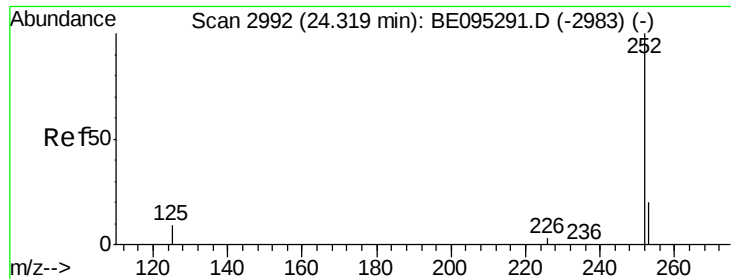


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.172 ng/ul

RT: 24.32 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

Instrument :

BNA_E

ClientSampleId :

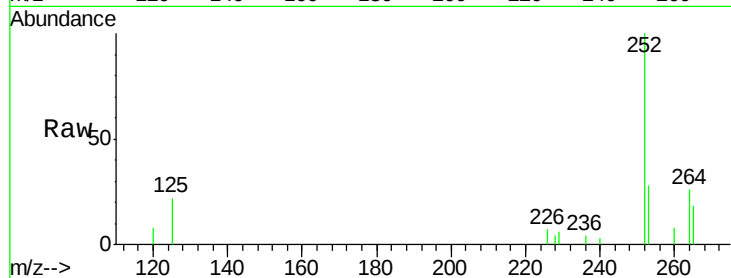
Tot Ion:252 Resp: 5763

Ion Ratio Lower Upper

252 100

253 27.6 28.5 42.7#

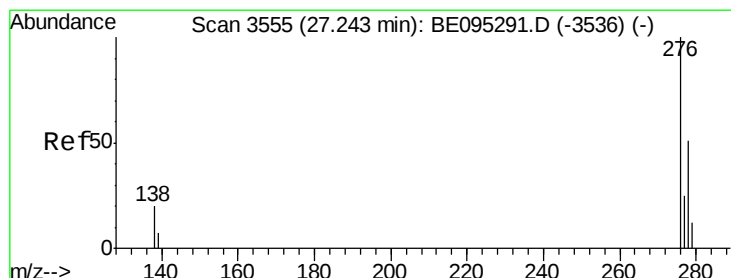
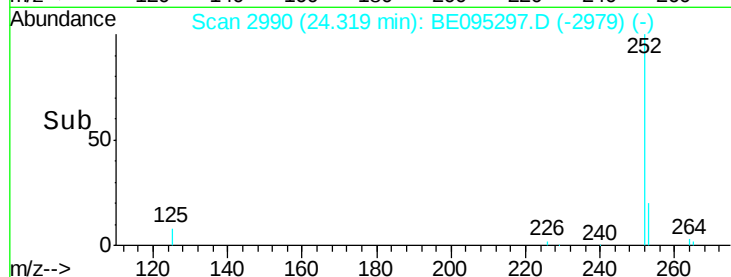
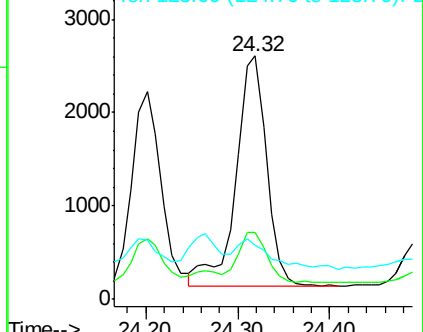
125 22.4 18.1 27.1



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: 0.057 ng/ul

RT: 27.24 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

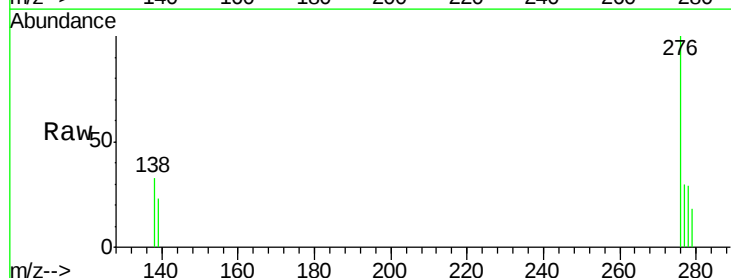
Tgt Ion:276 Resp: 2106

Ion Ratio Lower Upper

276 100

138 21.4 28.0 42.0#

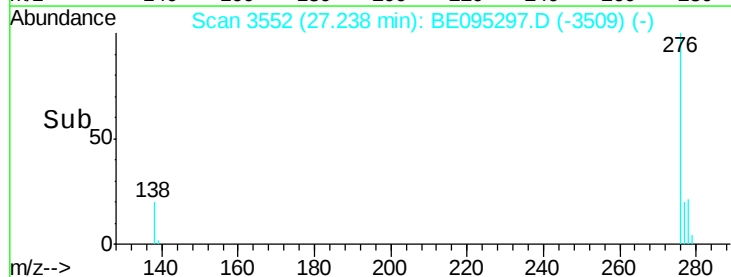
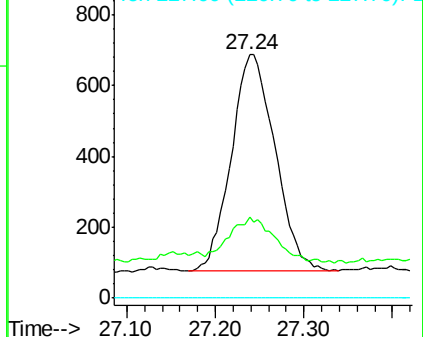
227 0.0 8.0 12.0#

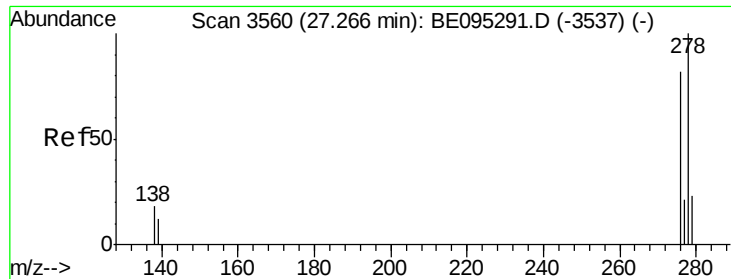


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.021 ng/ul

RT: 27.27 min Scan# 3558

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

Instrument :

BNA_E

ClientSampled :

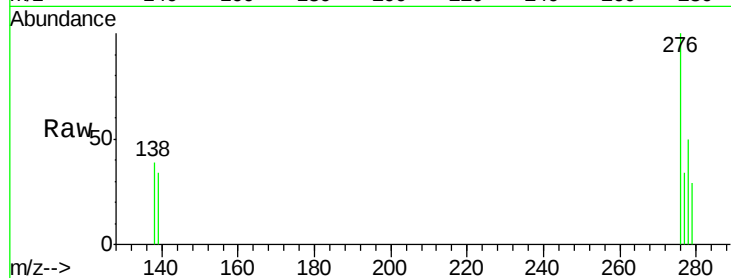
Tot Ion:278 Resp: 620

Ion Ratio Lower Upper

278 100

139 67.8 17.4 26.0#

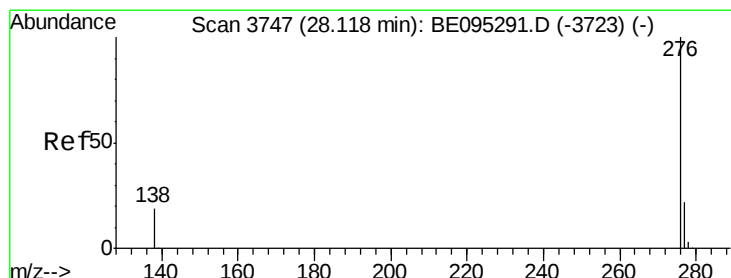
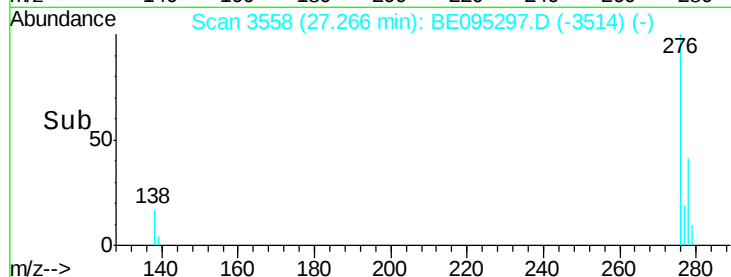
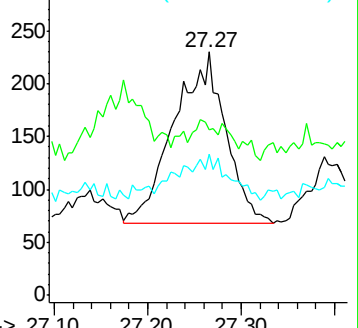
279 57.8 25.9 38.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.058 ng/ul

RT: 28.12 min Scan# 3745

Delta R.T. -0.00 min

Lab File: BE095297.D

Acq: 31 Jan 2018 3:02

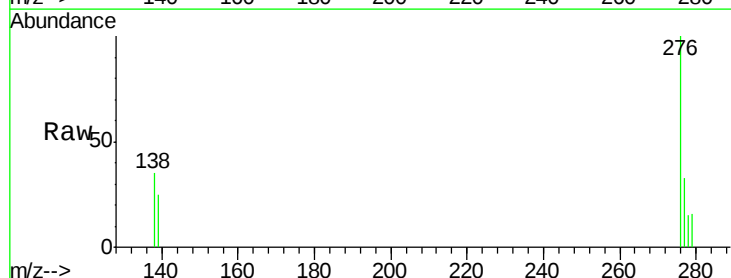
Tgt Ion:276 Resp: 1791

Ion Ratio Lower Upper

276 100

138 34.7 21.8 32.8#

277 33.4 20.5 30.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

