

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012018\
 Data File : BE095086.D
 Acq On : 20 Jan 2018 12:58
 Operator : SJ/JU
 Sample : J1216-04DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 22 04:30:18 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE011918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 04:29:25 2018
 Response via : Initial Calibration

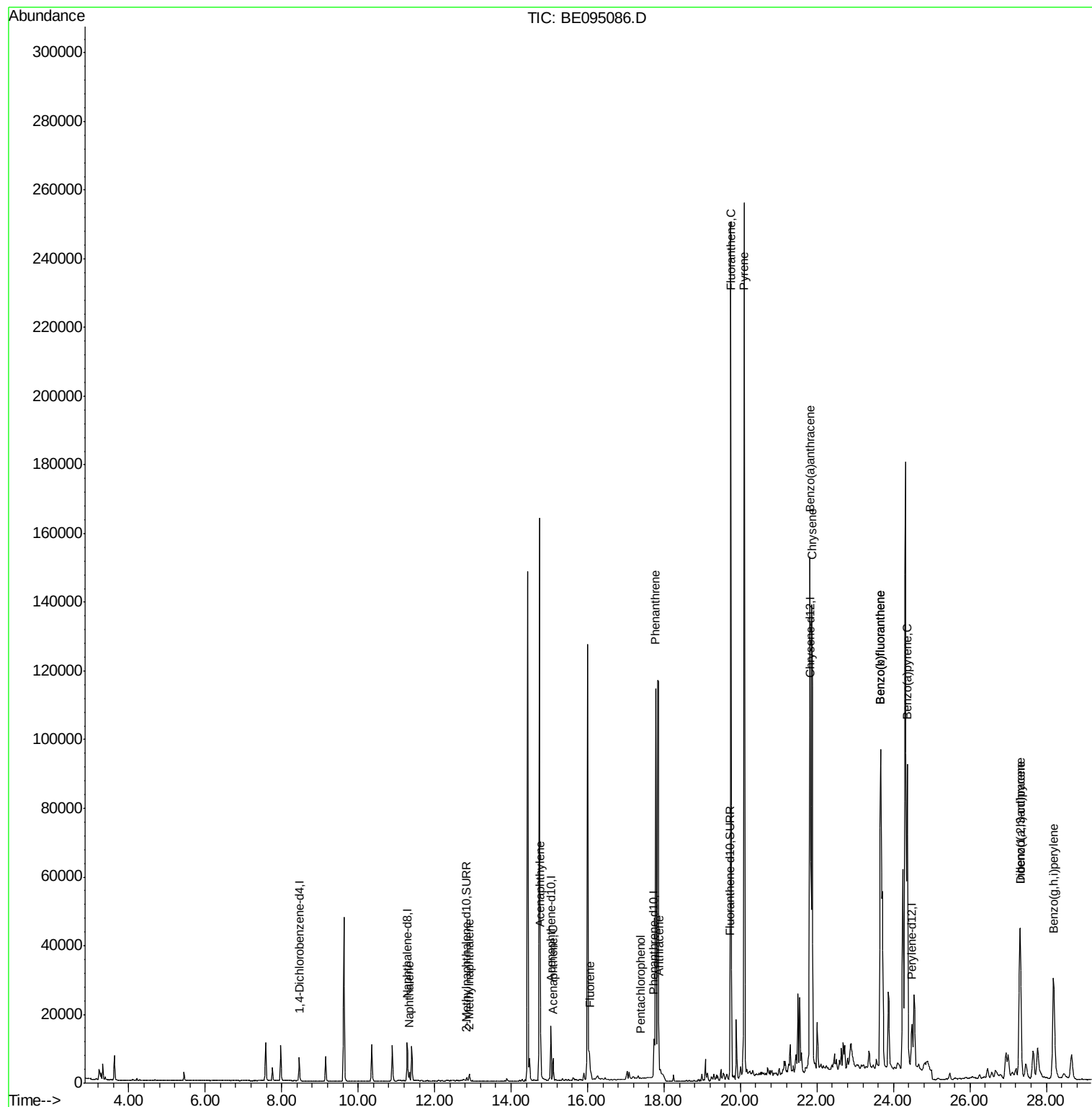
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	4394	0.40	ng/ul	0.00
2) Naphthalene-d8	11.28	136	14658	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.04	164	8693	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.73	188	18642	0.40	ng/ul	0.00
16) Chrysene-d12	21.83	240	21728	0.40	ng/ul	0.00
20) Perylene-d12	24.48	264	20903	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.84	152	1431	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.72	212	3802	0.07	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.33	128	3452	0.089	ng/ul#	91
5) 2-Methylnaphthalene	12.91	142	1739	0.064	ng/ul	98
7) Acenaphthylene	14.77	152	22934	0.589	ng/ul	96
8) Acenaphthene	15.10	153	3823	0.126	ng/ul	91
9) Fluorene	16.05	166	6561	0.203	ng/ul#	81
11) Pentachlorophenol	17.38	266	50	0.045	ng/ul	96
12) Phenanthrene	17.78	178	128016	2.586	ng/ul#	88
13) Anthracene	17.87	178	17893	0.414	ng/ul#	92
15) Fluoranthene	19.75	202	278313	4.399	ng/ul	84
17) Pyrene	20.10	202	279282	3.536	ng/ul#	80
18) Benzo(a)anthracene	21.81	228	163730	2.723	ng/ul#	84
19) Chrysene	21.87	228	143393	2.138	ng/ul	96
21) Benzo(b)fluoranthene	23.66	252	255521	3.631	ng/ul	83
22) Benzo(k)fluoranthene	23.66	252	255521	3.936	ng/ul#	85
23) Benzo(a)pyrene	24.36	252	140142	2.333	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	27.31	276	88437	1.658	ng/ul#	75
25) Dibenzo(a,h)anthracene	27.32	278	21234	0.557	ng/ul	91
26) Benzo(g,h,i)perylene	28.19	276	76302	1.438	ng/ul	94

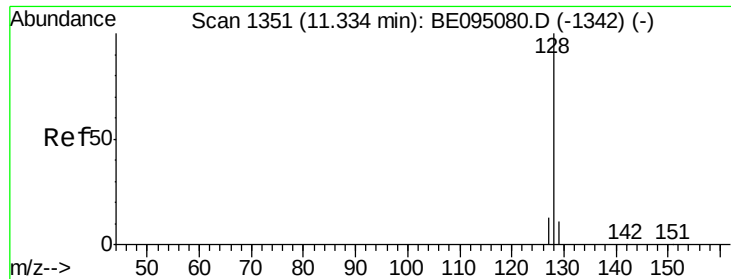
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.089 ng/ul

RT: 11.33 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

Instrument :

BNA_E

ClientSampleId :

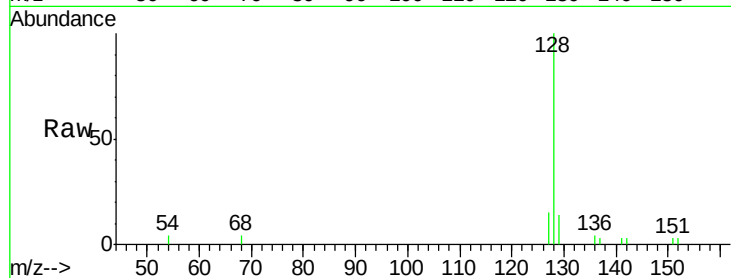
Tot Ion:128 Resp: 3452

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

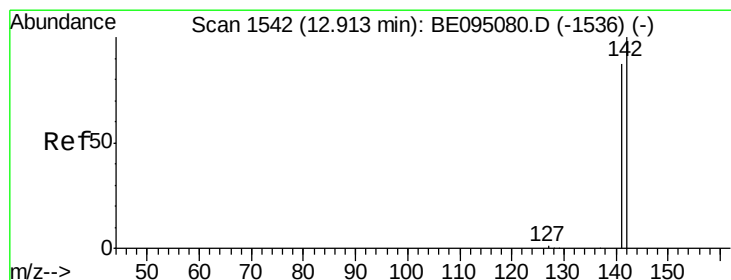
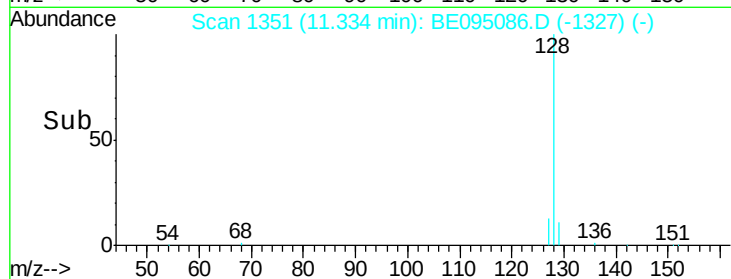
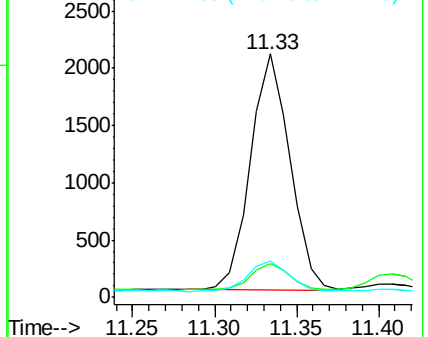
127 15.0 4.0 6.0#



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: 0.064 ng/ul

RT: 12.91 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BE095086.D

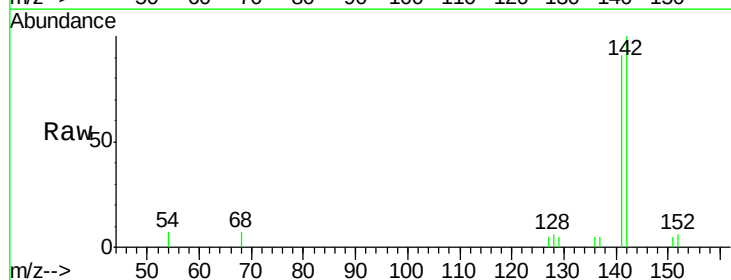
Acq: 20 Jan 2018 12:58

Tgt Ion:142 Resp: 1739

Ion Ratio Lower Upper

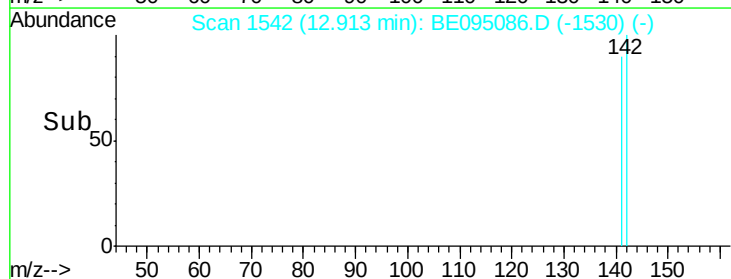
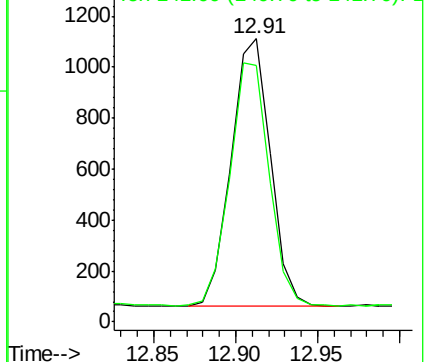
142 100

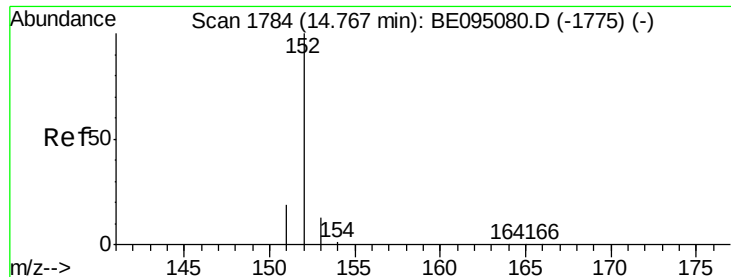
141 92.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.589 ng/ul

RT: 14.77 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

Instrument :

BNA_E

ClientSampleId :

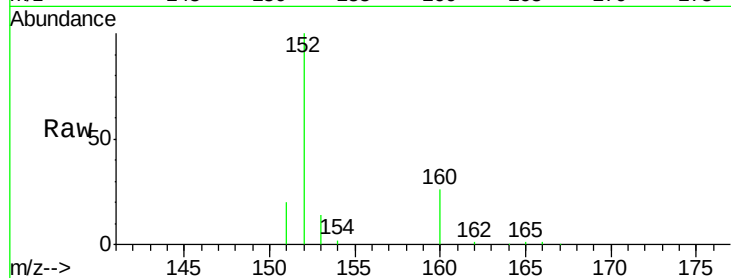
Tot Ion:152 Resp: 22934

Ion Ratio Lower Upper

152 100

151 20.0 17.1 25.7

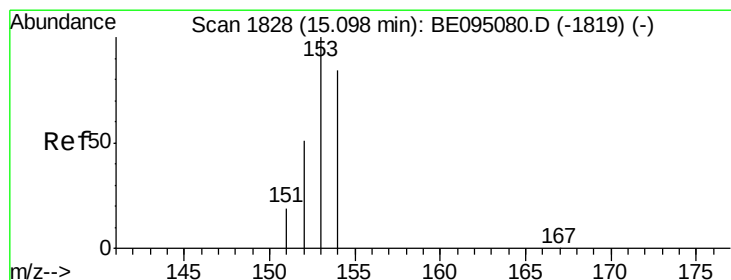
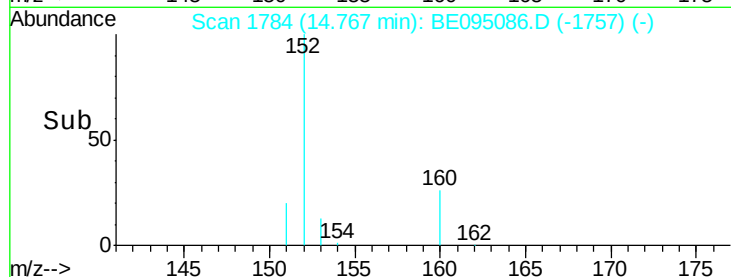
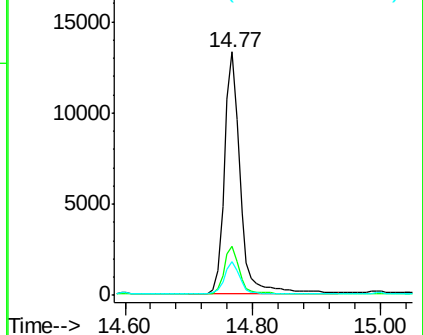
153 13.7 12.8 19.2



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: 0.126 ng/ul

RT: 15.10 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

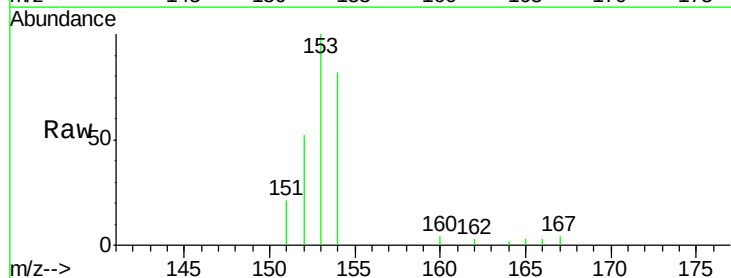
Tgt Ion:153 Resp: 3823

Ion Ratio Lower Upper

153 100

152 52.1 36.0 54.0

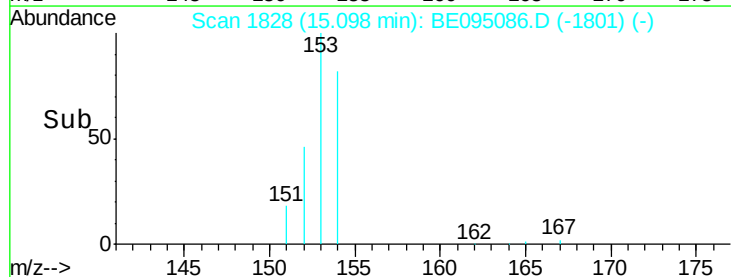
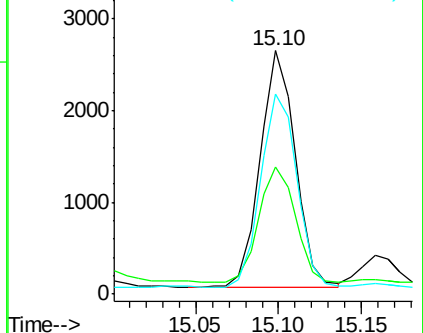
154 82.4 72.0 108.0

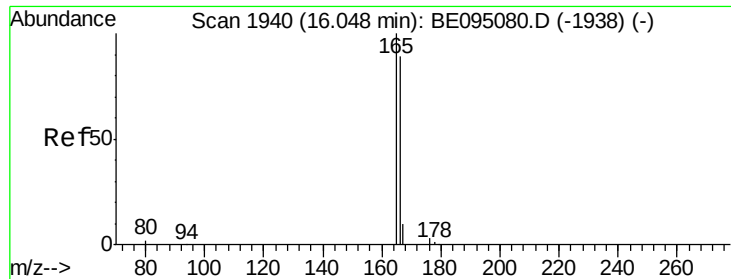


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.203 ng/ul

RT: 16.05 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

Instrument :

BNA_E

ClientSampleId :

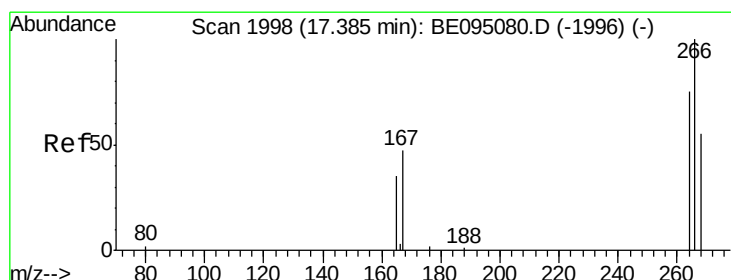
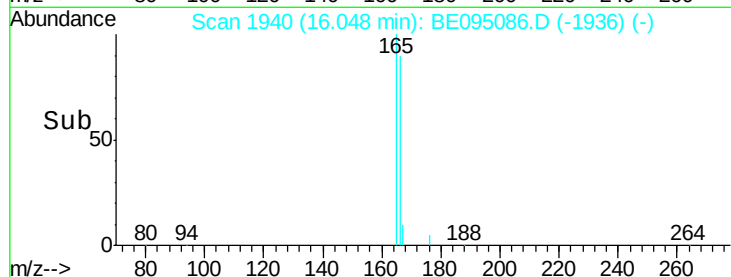
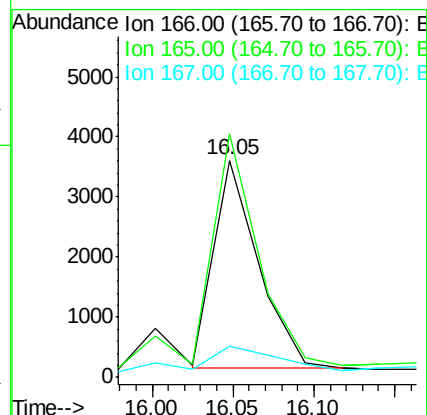
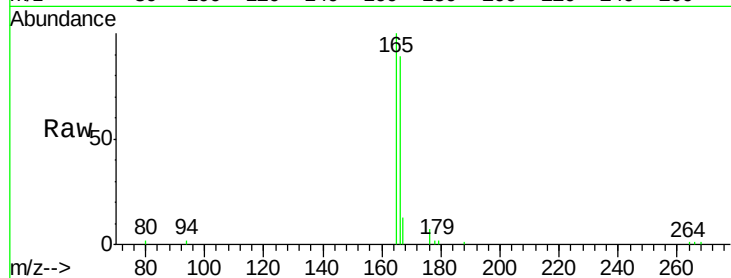
Tot Ion:166 Resp: 6561

Ion Ratio Lower Upper

166 100

165 112.2 73.4 110.2#

167 14.5 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.045 ng/ul

RT: 17.38 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

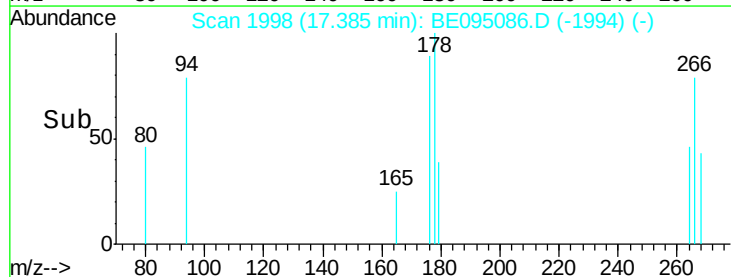
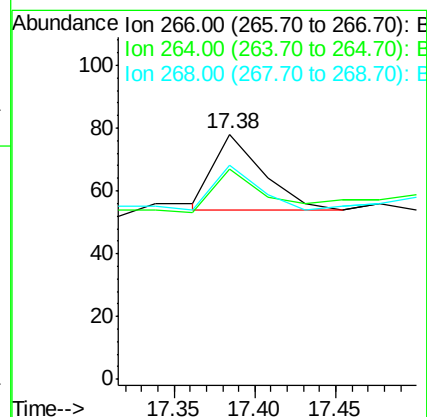
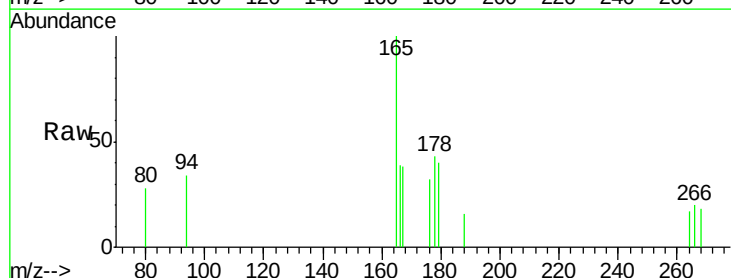
Tgt Ion:266 Resp: 50

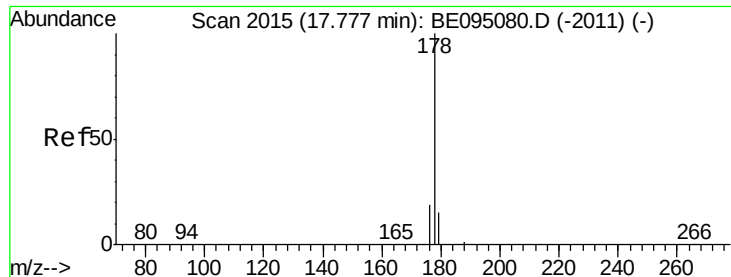
Ion Ratio Lower Upper

266 100

264 60.0 47.9 71.9

268 56.0 49.8 74.8





#12

Phenanthrene

Concen: 2.586 ng/ul

RT: 17.78 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

Instrument :

BNA_E

ClientSampleId :

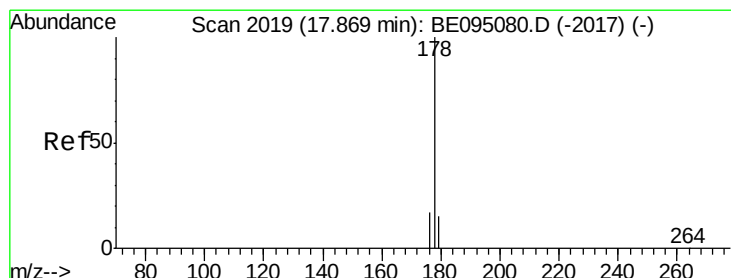
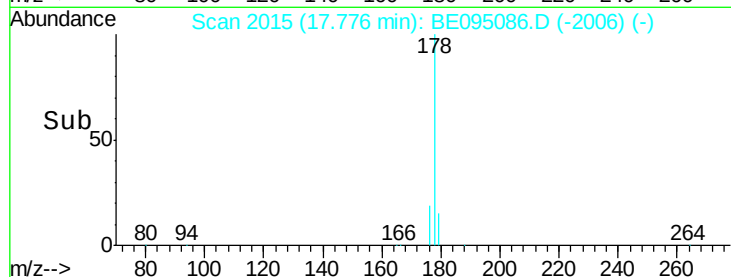
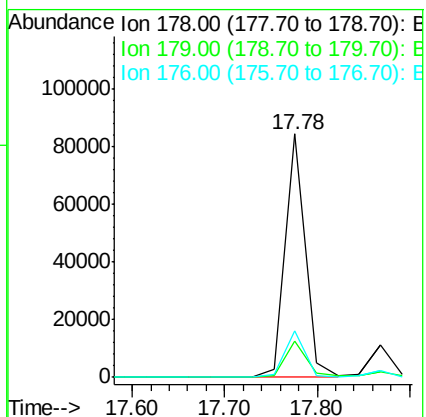
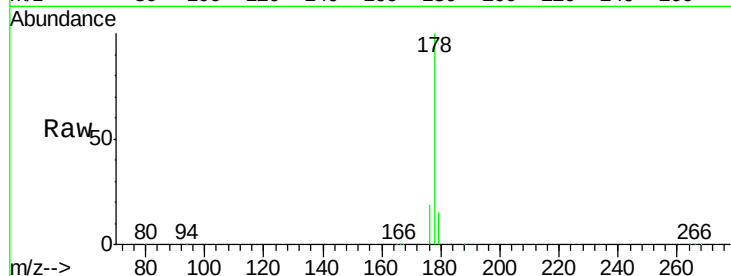
Tot Ion:178 Resp: 128016

Ion Ratio Lower Upper

178 100

179 15.1 18.4 27.6#

176 19.4 13.6 20.4



#13

Anthracene

Concen: 0.414 ng/ul

RT: 17.87 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

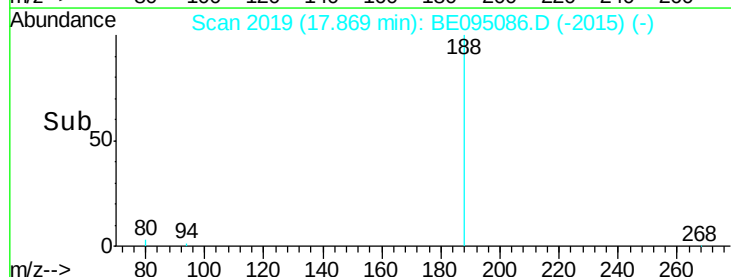
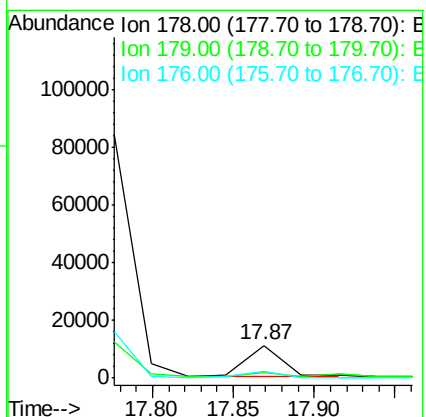
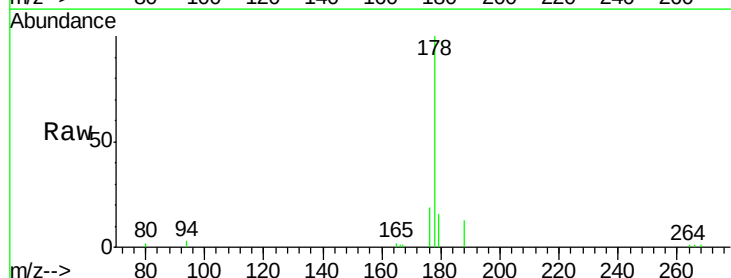
Tgt Ion:178 Resp: 17893

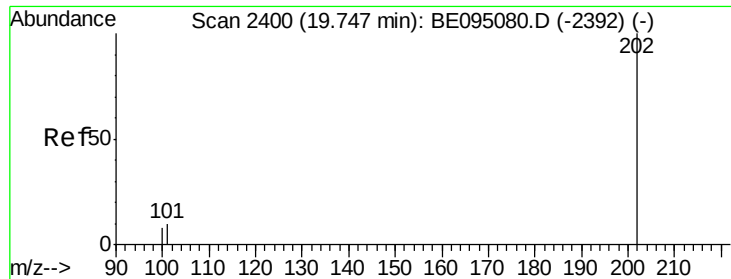
Ion Ratio Lower Upper

178 100

179 16.1 18.1 27.1#

176 19.0 14.7 22.1

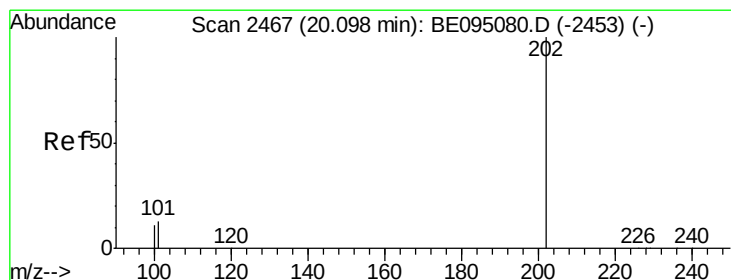
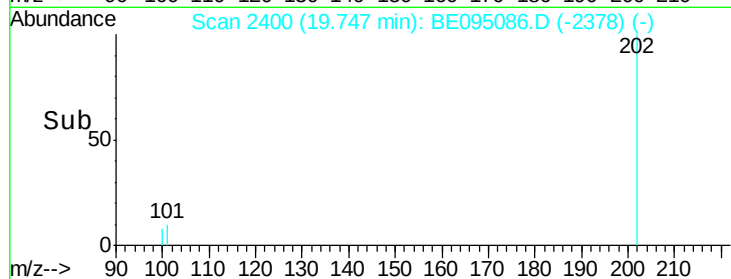
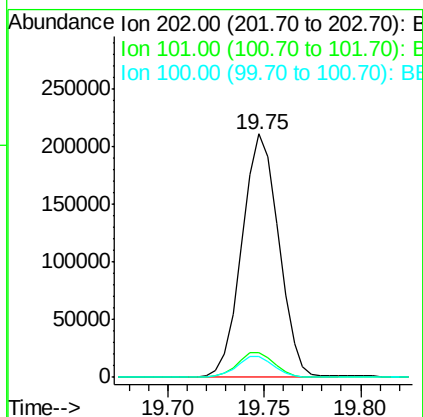
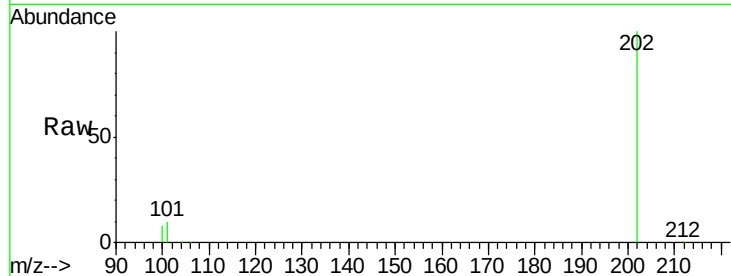




#15
 Fluoranthene
 Concen: 4.399 ng/ul
 RT: 19.75 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BE095086.D
 Acq: 20 Jan 2018 12:58

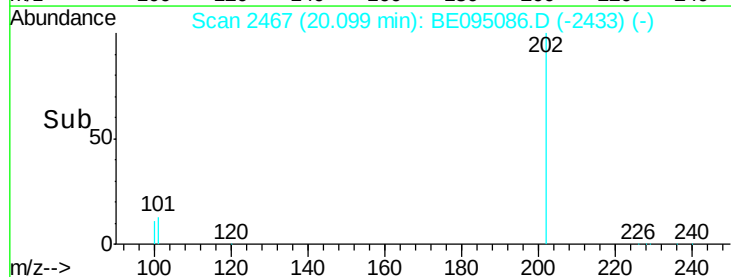
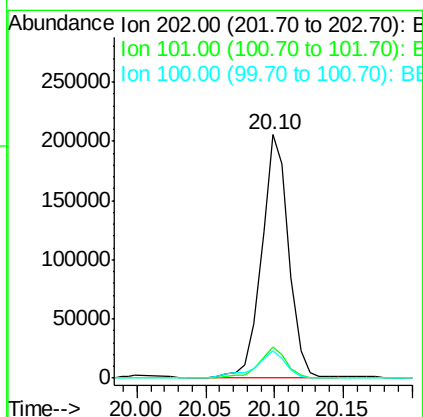
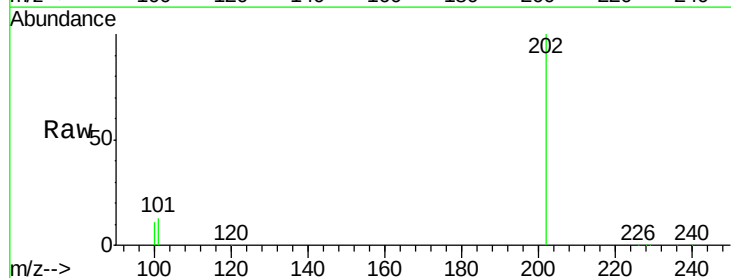
Instrument :
 BNA_E
 ClientSampleId :

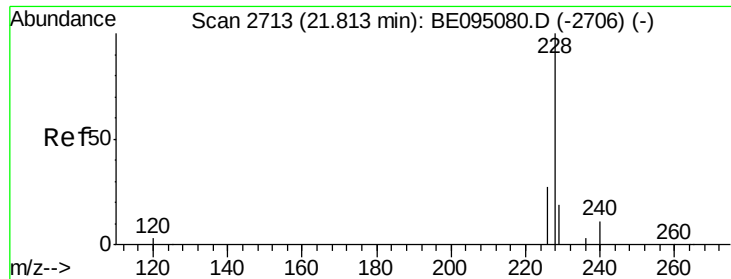
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.3
100	8.4	0.0	39.5



#17
 Pyrene
 Concen: 3.536 ng/ul
 RT: 20.10 min Scan# 2467
 Delta R.T. 0.00 min
 Lab File: BE095086.D
 Acq: 20 Jan 2018 12:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	18.2	27.4#
100	11.2	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 2.723 ng/ul

RT: 21.81 min Scan# 2713

Delta R.T. 0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

Instrument :

BNA_E

ClientSampleId :

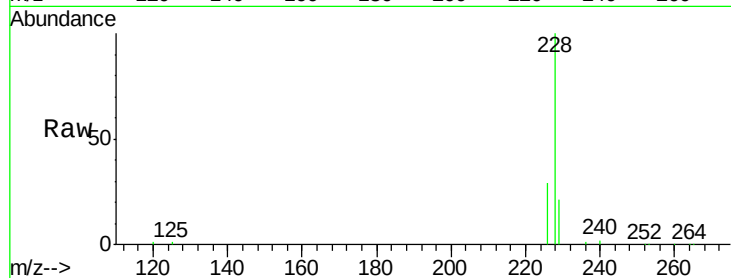
Tot Ion:228 Resp: 163730

Ion Ratio Lower Upper

228 100

229 20.9 22.8 34.2#

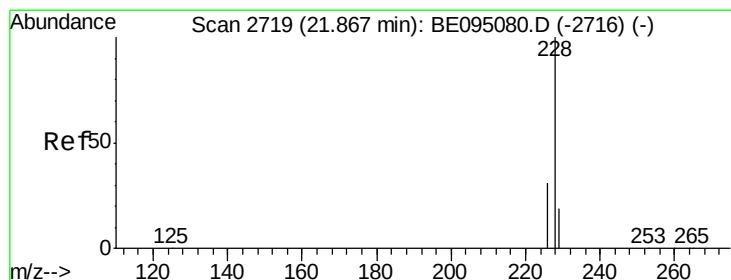
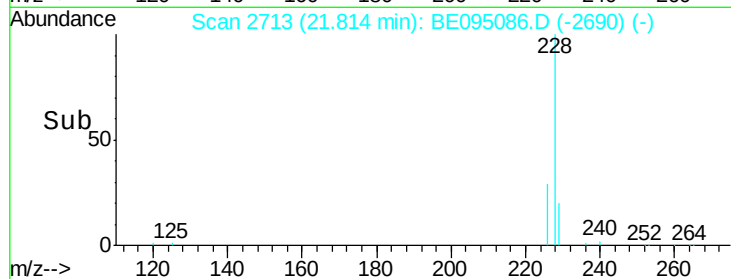
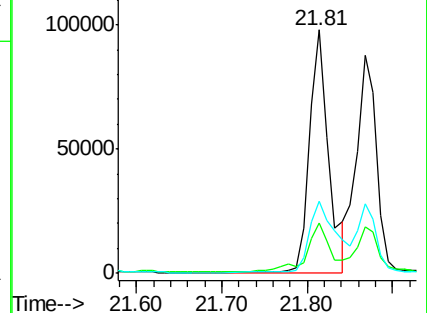
226 29.5 17.0 25.6#



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: 2.138 ng/ul

RT: 21.87 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

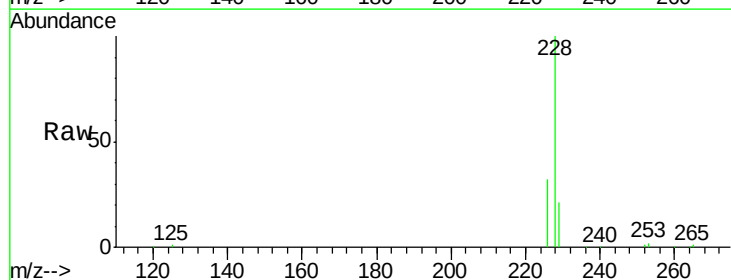
Tgt Ion:228 Resp: 143393

Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.0

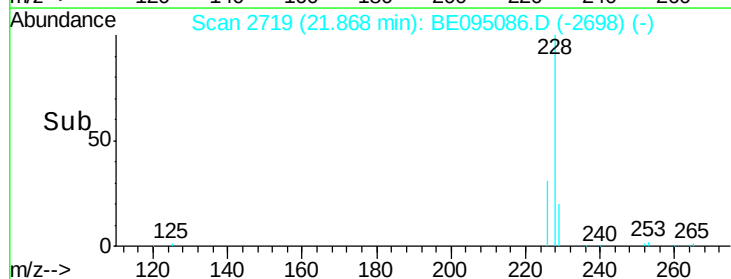
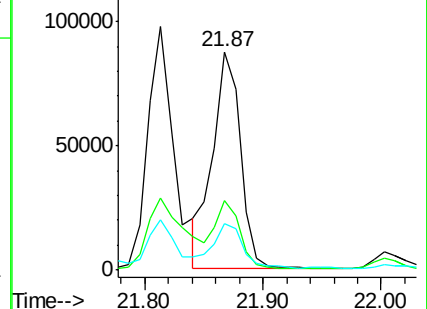
229 21.1 17.7 26.5

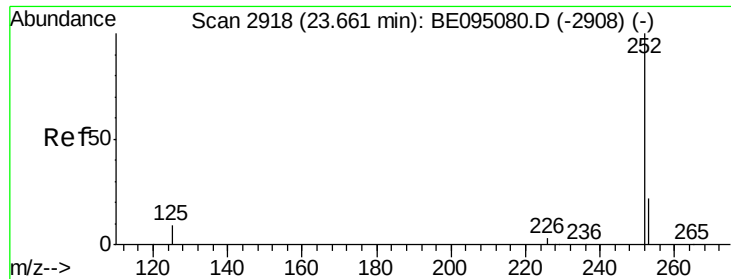


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 3.631 ng/ul

RT: 23.66 min Scan# 2918

Delta R.T. 0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

Instrument :

BNA_E

ClientSampleId :

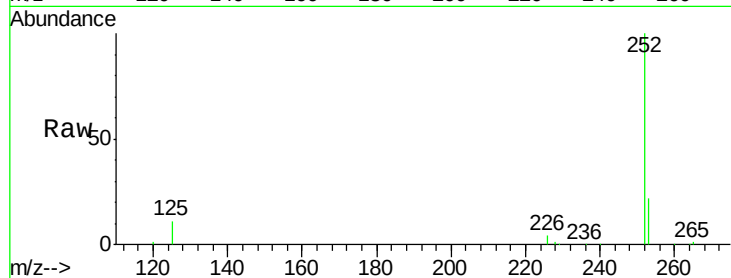
Tot Ion:252 Resp: 255521

Ion Ratio Lower Upper

252 100

253 22.4 0.0 64.2

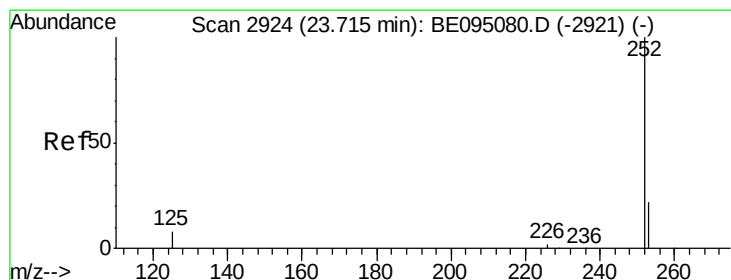
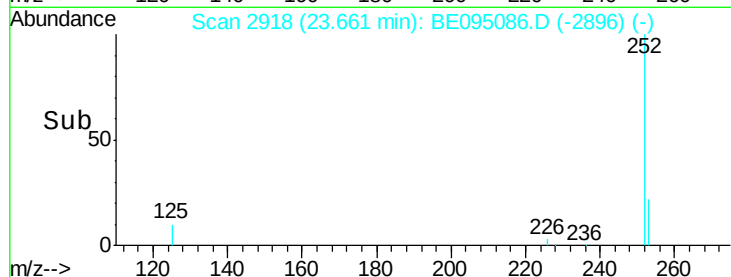
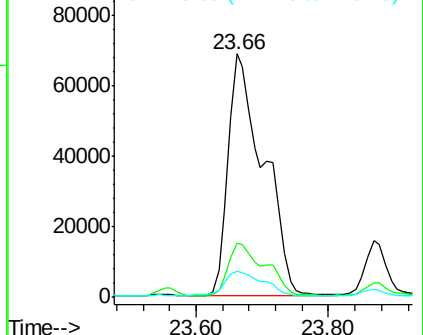
125 10.9 0.0 35.0



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: 3.936 ng/ul

RT: 23.66 min Scan# 2918

Delta R.T. -0.05 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

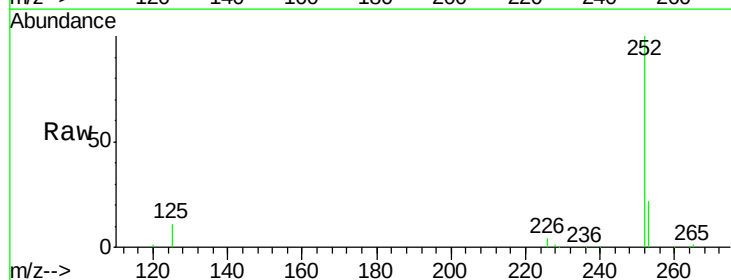
Tgt Ion:252 Resp: 255521

Ion Ratio Lower Upper

252 100

253 22.4 24.5 36.7#

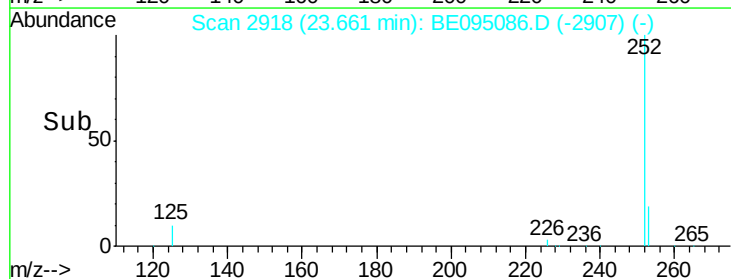
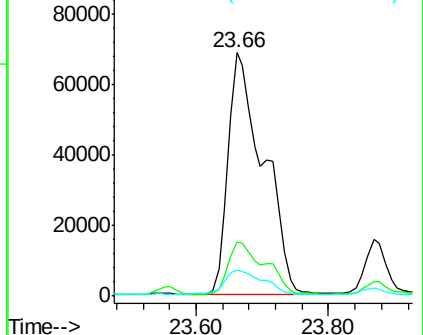
125 10.9 13.7 20.5#

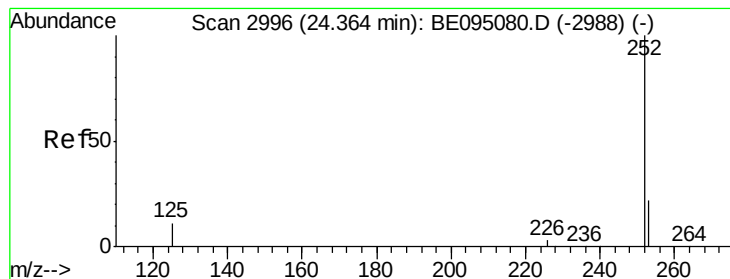


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.333 ng/ul

RT: 24.36 min Scan# 2996

Delta R.T. 0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

Instrument :

BNA_E

ClientSampleId :

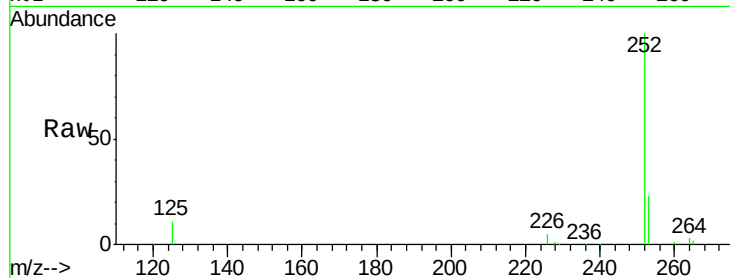
Tot Ion:252 Resp: 140142

Ion Ratio Lower Upper

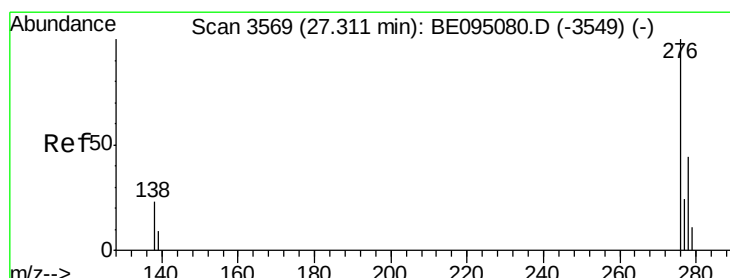
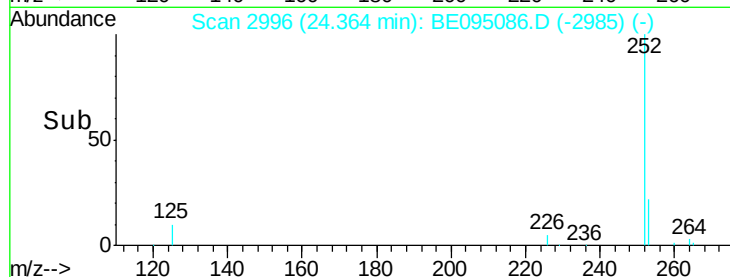
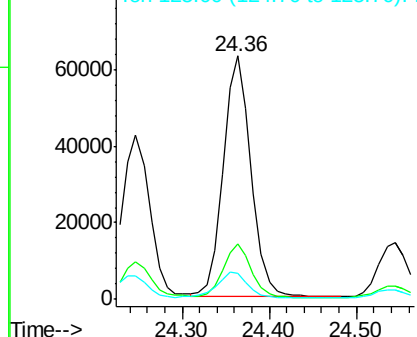
252 100

253 22.6 28.5 42.7#

125 10.6 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: 1.658 ng/ul

RT: 27.31 min Scan# 3568

Delta R.T. -0.00 min

Lab File: BE095086.D

Acq: 20 Jan 2018 12:58

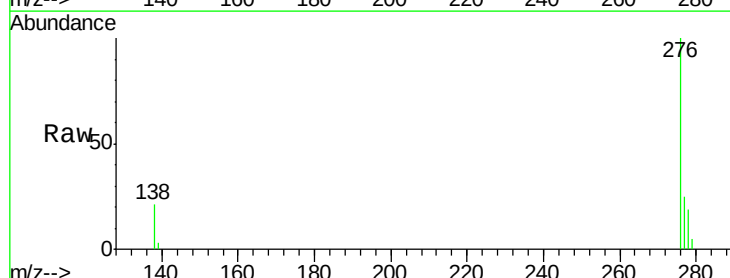
Tgt Ion:276 Resp: 88437

Ion Ratio Lower Upper

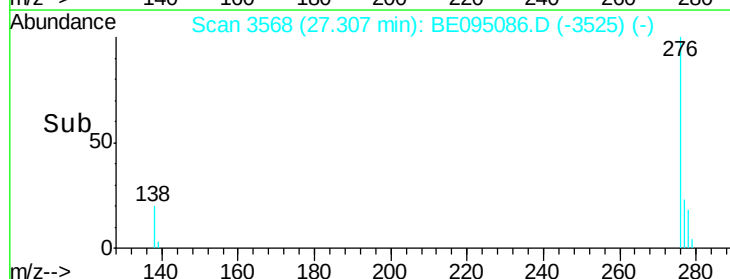
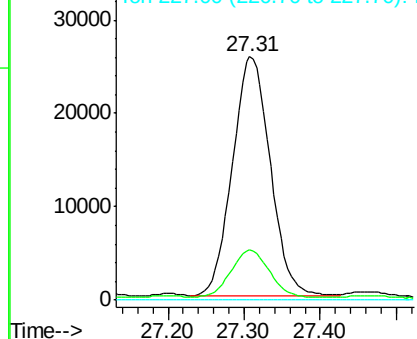
276 100

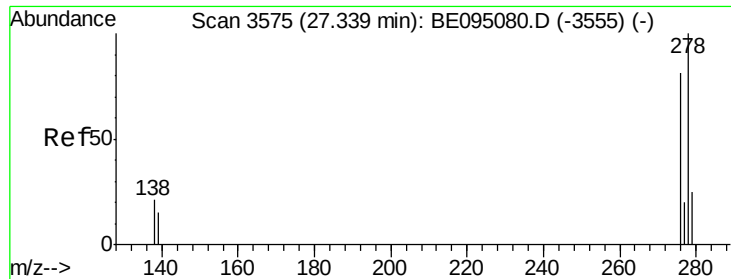
138 20.5 28.0 42.0#

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

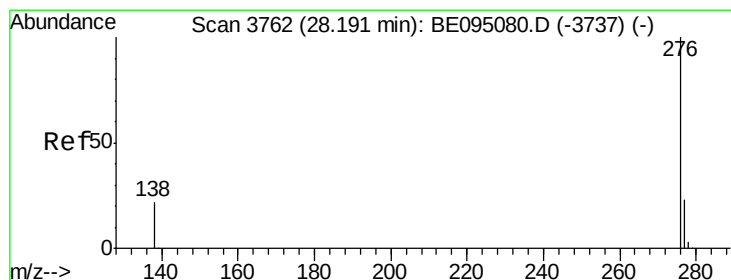
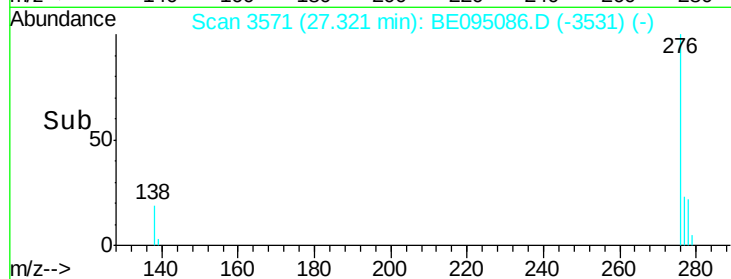
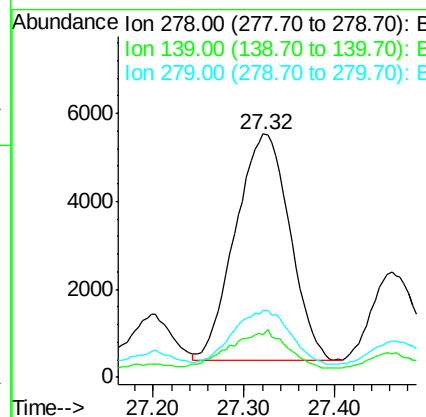
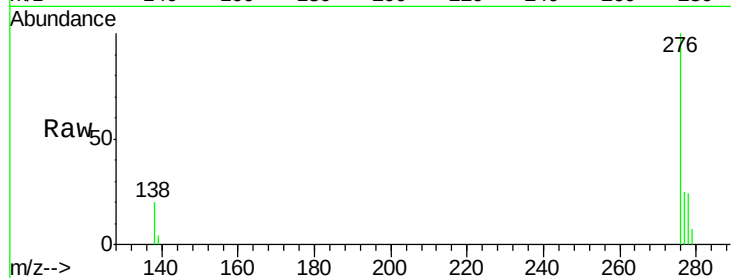




#25
Dibenzo(a,h)anthracene
Concen: 0.557 ng/ul
RT: 27.32 min Scan# 3571
Delta R.T. -0.02 min
Lab File: BE095086.D
Acq: 20 Jan 2018 12:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 21234
Ion Ratio Lower Upper
278 100
139 17.7 17.4 26.0
279 27.6 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 1.438 ng/ul
RT: 28.19 min Scan# 3761
Delta R.T. -0.00 min
Lab File: BE095086.D
Acq: 20 Jan 2018 12:58

Tgt Ion:276 Resp: 76302
Ion Ratio Lower Upper
276 100
138 22.1 21.8 32.8
277 24.7 20.5 30.7

