

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095205.D
 Acq On : 28 Jan 2018 14:04
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 29 06:56:43 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 01:25:04 2018
 Response via : Initial Calibration

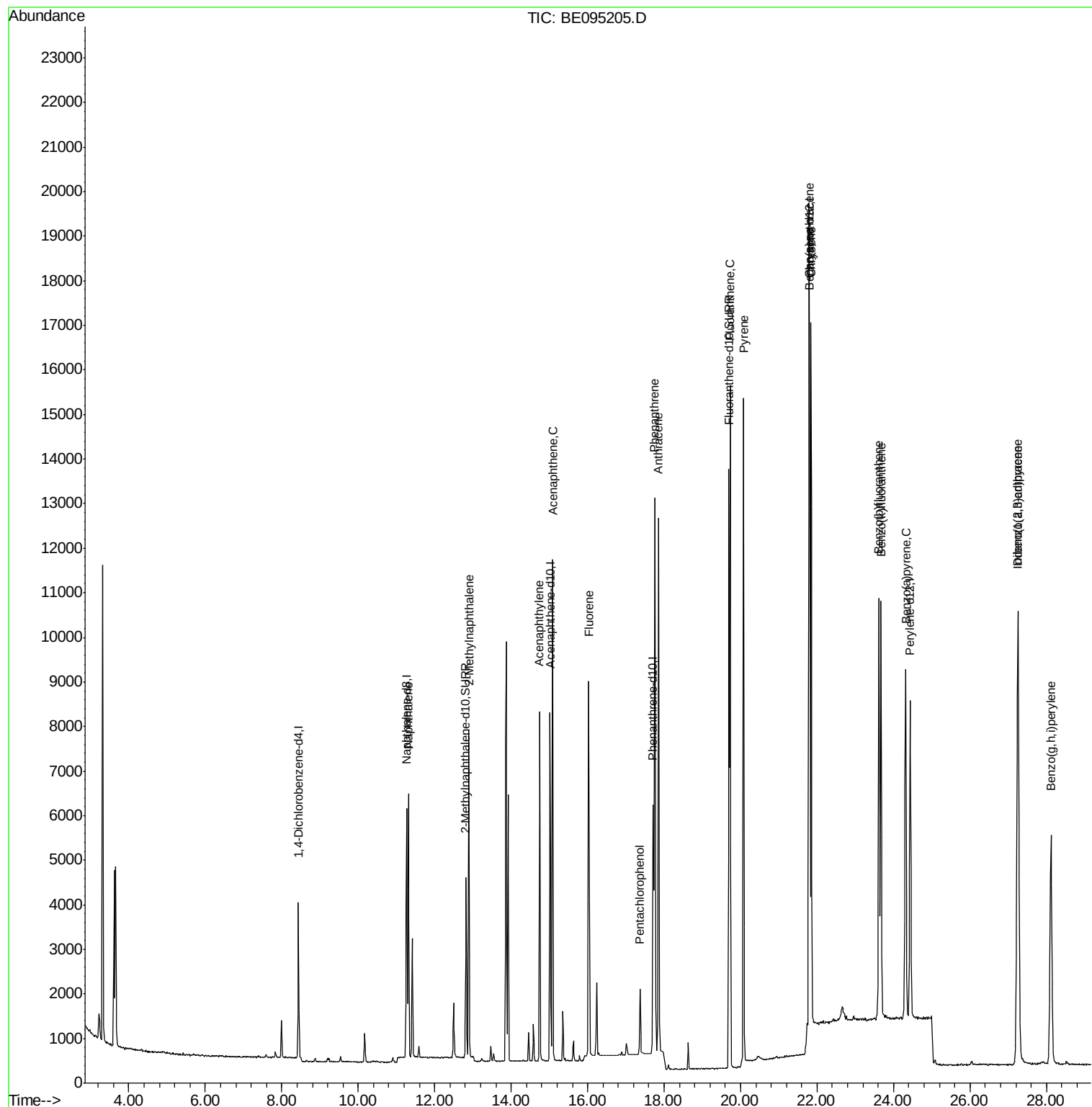
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2533	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	7588	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4494	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	9936	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	11356	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	10550	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.82	152	5163	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	14749	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	8438	0.397	ng/ul#	89
5) 2-Methylnaphthalene	12.89	142	5923	0.417	ng/ul	100
7) Acenaphthylene	14.74	152	9145	0.423	ng/ul	96
8) Acenaphthene	15.08	153	6824	0.407	ng/ul	97
9) Fluorene	16.02	166	7269	0.420	ng/ul#	75
11) Pentachlorophenol	17.36	266	907	0.471	ng/ul	95
12) Phenanthrene	17.75	178	14164	0.424	ng/ul#	87
13) Anthracene	17.85	178	13699	0.448	ng/ul#	91
15) Fluoranthene	19.72	202	16627	0.384	ng/ul	85
17) Pyrene	20.08	202	18571	0.487	ng/ul#	79
18) Benzo(a)anthracene	21.79	228	15352	0.432	ng/ul#	85
19) Chrysene	21.84	228	14807	0.402	ng/ul	96
21) Benzo(b)fluoranthene	23.62	252	14001	0.376	ng/ul	85
22) Benzo(k)fluoranthene	23.67	252	13891	0.408	ng/ul#	87
23) Benzo(a)pyrene	24.32	252	13431	0.404	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	27.24	276	15050	0.413	ng/ul#	80
25) Dibenzo(a,h)anthracene	27.27	278	12322	0.413	ng/ul#	90
26) Benzo(g,h,i)perylene	28.12	276	12609	0.409	ng/ul	96

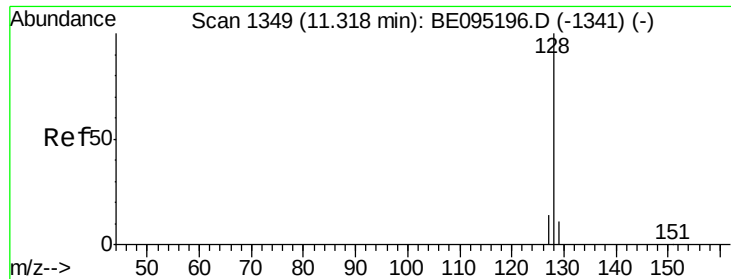
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_E
ClientSampled :

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#3

Naphthalene

Concen: 0.397 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

Instrument :

BNA_E

ClientSampleId :

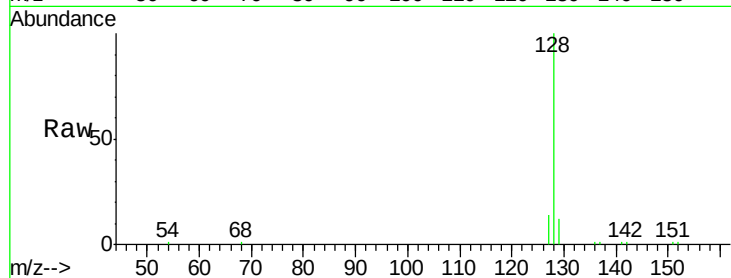
Tot Ion:128 Resp: 8438

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

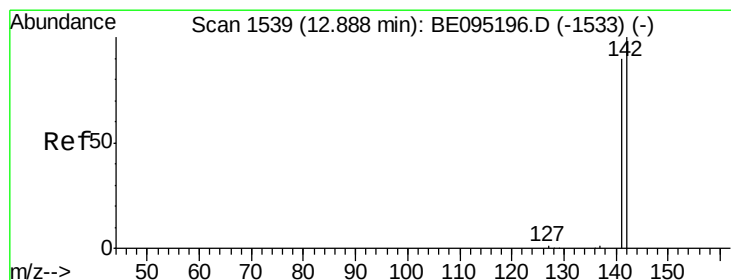
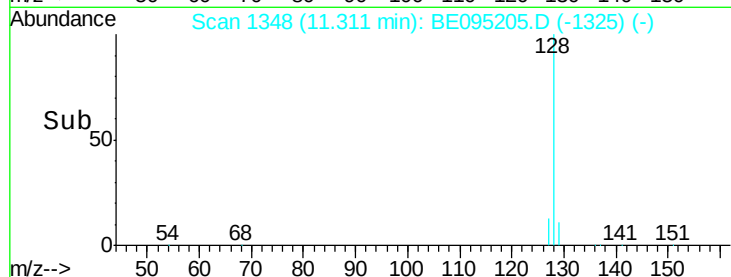
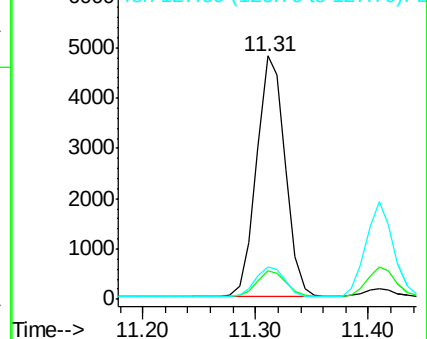
127 13.5 4.0 6.0#



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: 0.417 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE095205.D

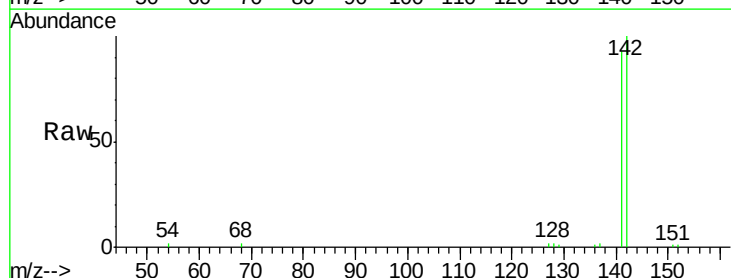
Acq: 28 Jan 2018 14:04

Tgt Ion:142 Resp: 5923

Ion Ratio Lower Upper

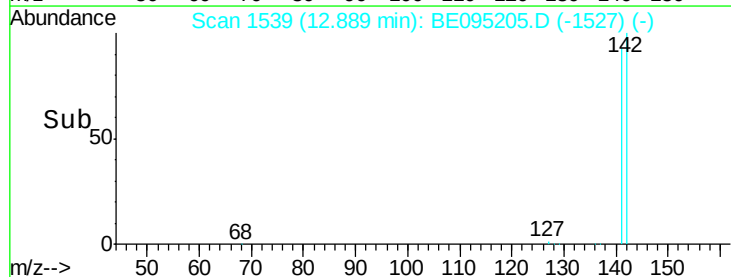
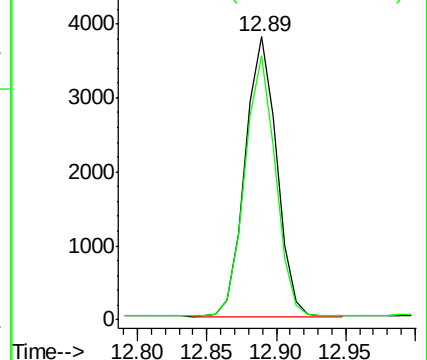
142 100

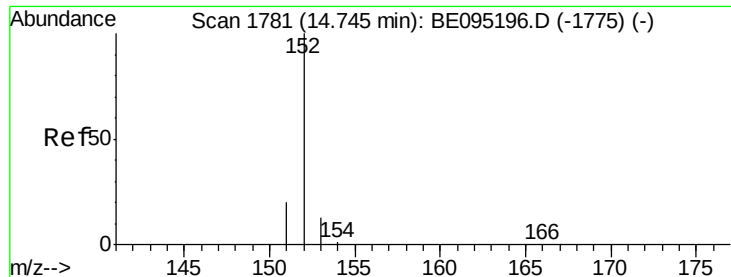
141 90.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.423 ng/ul

RT: 14.74 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

Instrument :

BNA_E

ClientSampleId :

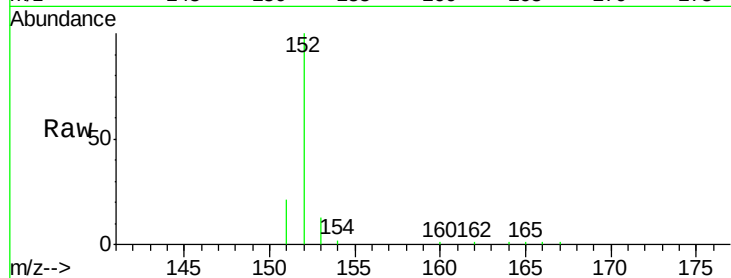
Tot Ion:152 Resp: 9145

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

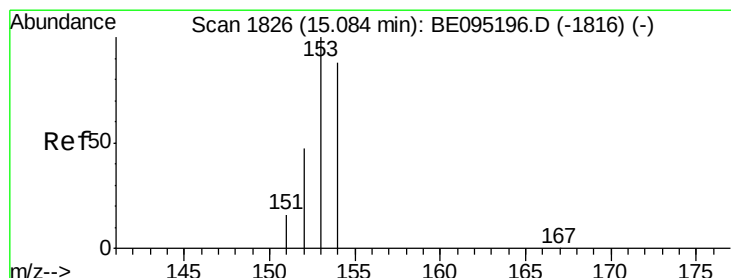
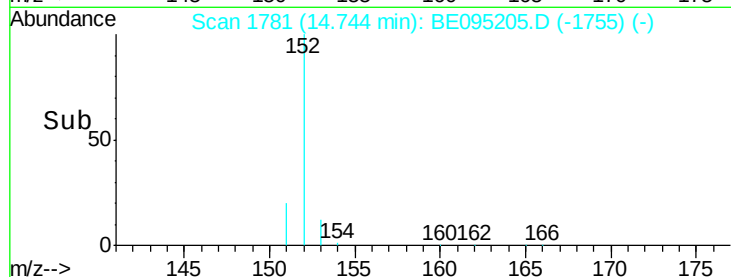
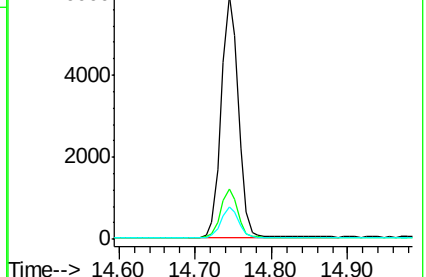
153 13.1 12.8 19.2



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: 0.407 ng/ul

RT: 15.08 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

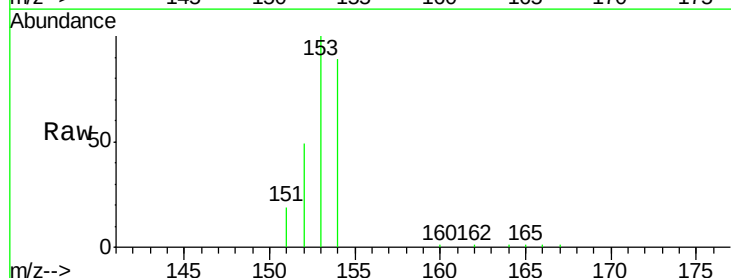
Tgt Ion:153 Resp: 6824

Ion Ratio Lower Upper

153 100

152 49.2 36.0 54.0

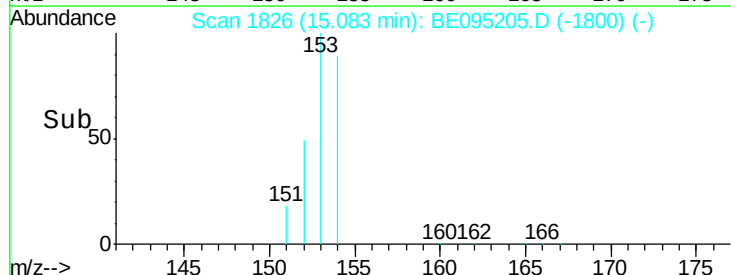
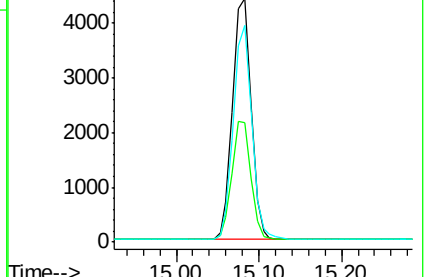
154 89.1 72.0 108.0

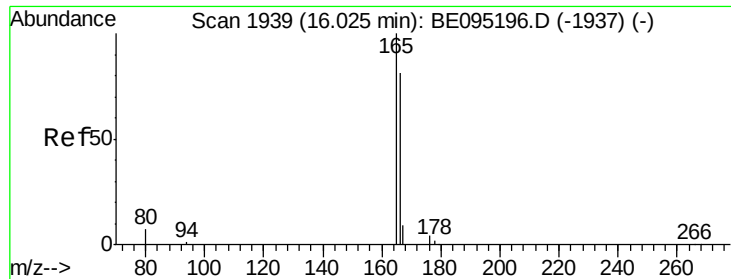


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.420 ng/ul

RT: 16.02 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

Instrument :

BNA_E

ClientSampleId :

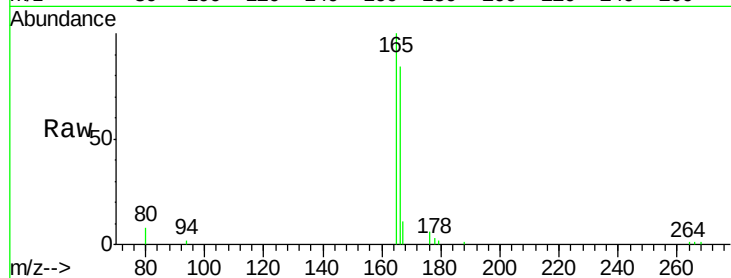
Tot Ion:166 Resp: 7269

Ion Ratio Lower Upper

166 100

165 118.4 73.4 110.2#

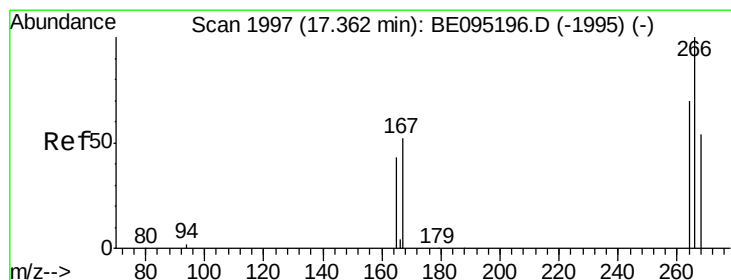
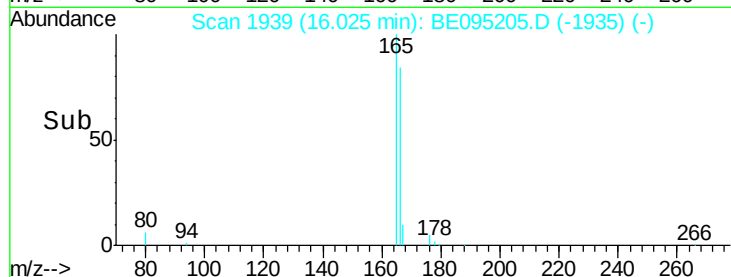
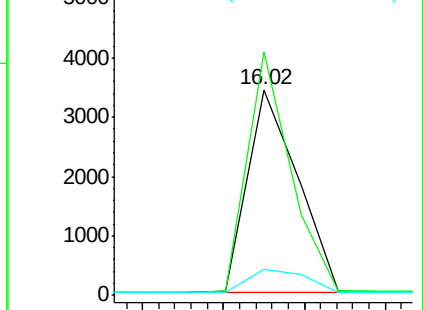
167 12.6 14.6 22.0#



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: 0.471 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

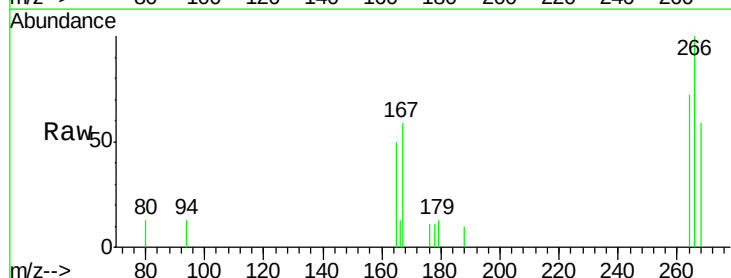
Tgt Ion:266 Resp: 907

Ion Ratio Lower Upper

266 100

264 64.8 47.9 71.9

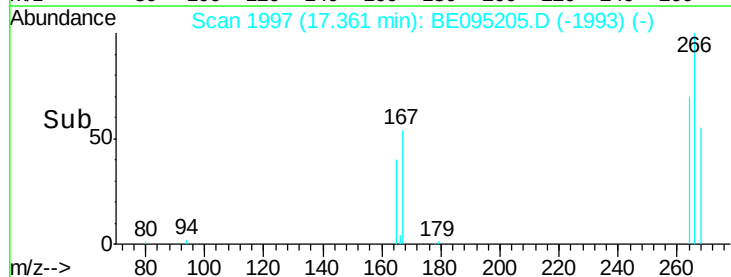
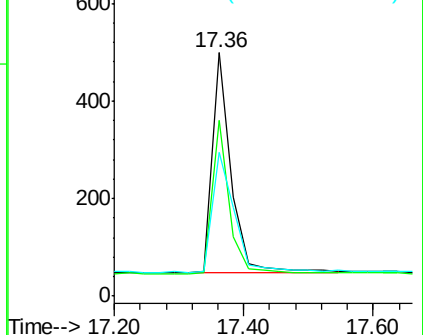
268 65.7 49.8 74.8

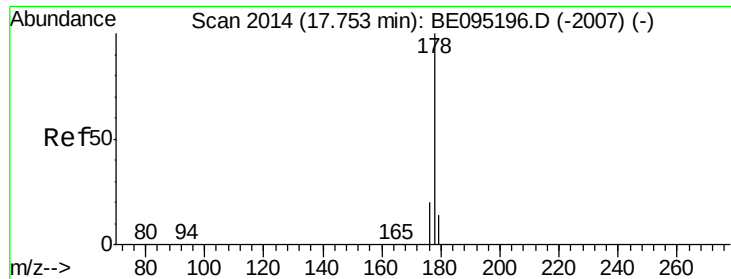


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.424 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

Instrument :

BNA_E

ClientSampleId :

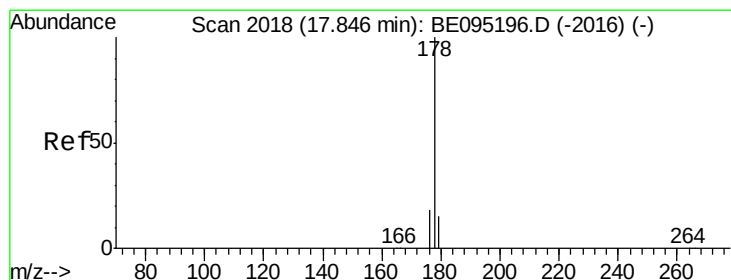
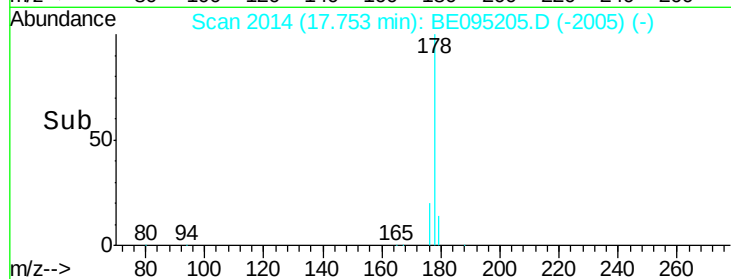
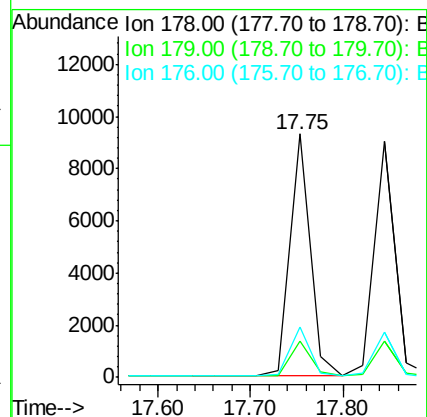
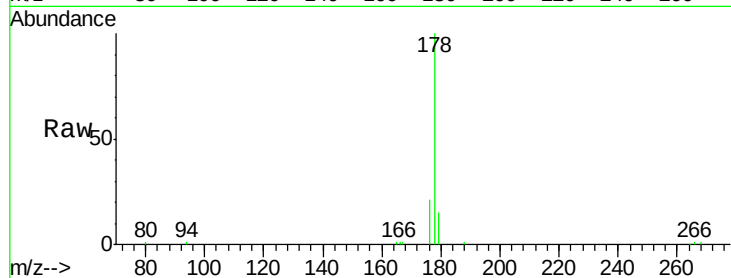
Tot Ion:178 Resp: 14164

Ion Ratio Lower Upper

178 100

179 14.6 18.4 27.6#

176 20.5 13.6 20.4#



#13

Anthracene

Concen: 0.448 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

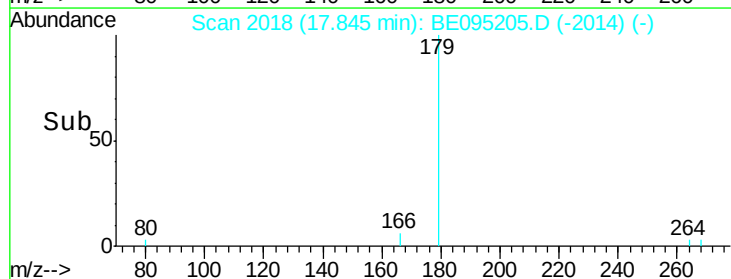
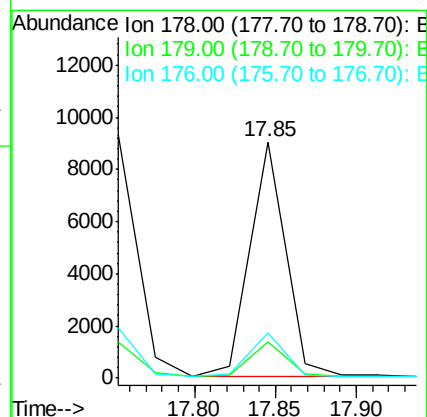
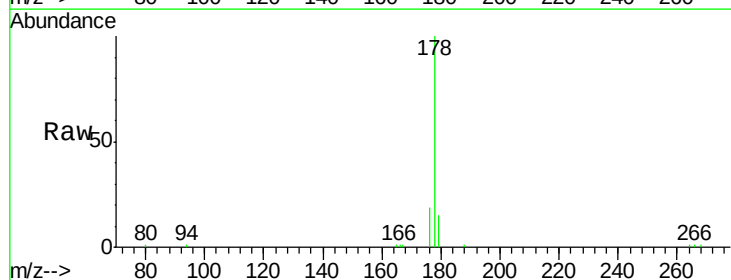
Tgt Ion:178 Resp: 13699

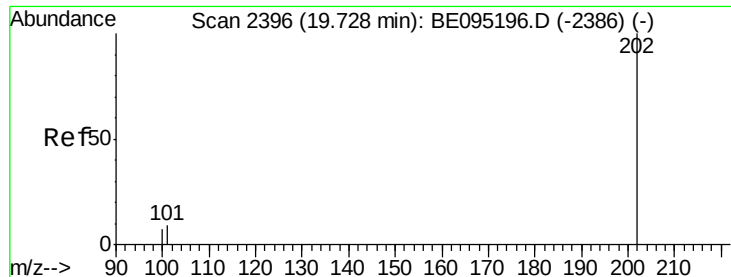
Ion Ratio Lower Upper

178 100

179 15.5 18.1 27.1#

176 19.0 14.7 22.1





#15

Fluoranthene

Concen: 0.384 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

Instrument :

BNA_E

ClientSampleId :

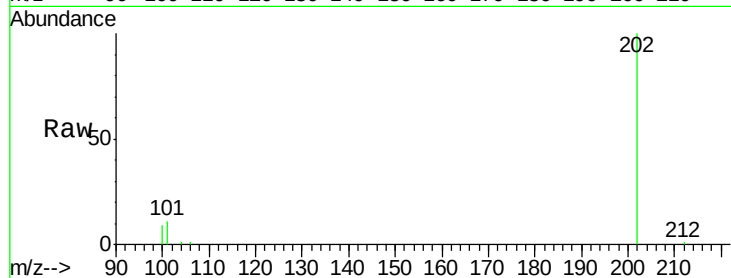
Tot Ion:202 Resp: 16627

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

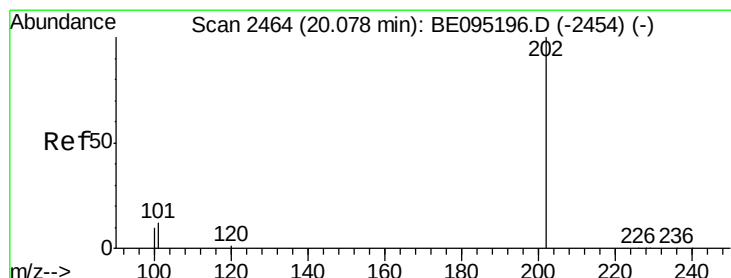
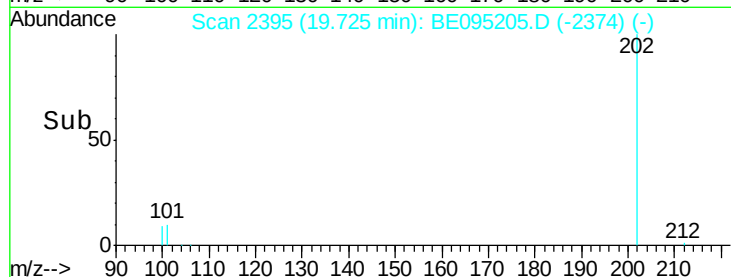
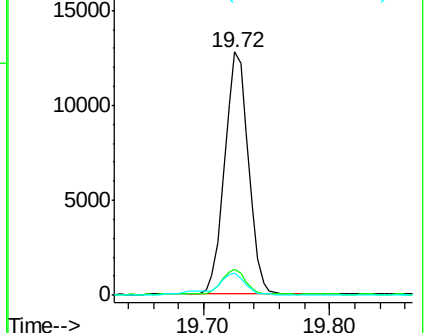
100 9.1 0.0 39.5



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: 0.487 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

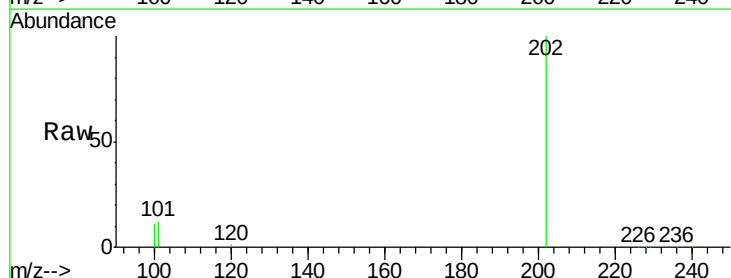
Tgt Ion:202 Resp: 18571

Ion Ratio Lower Upper

202 100

101 11.8 18.2 27.4#

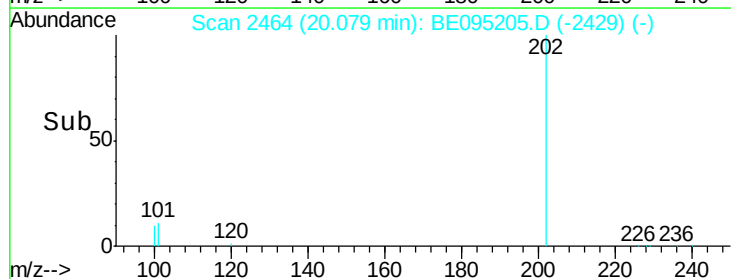
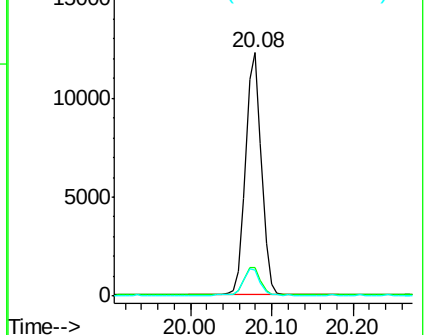
100 10.5 15.6 23.4#

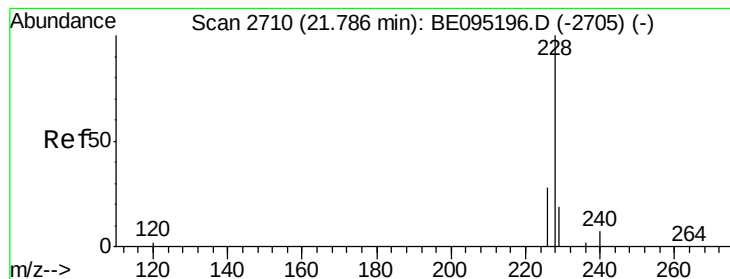


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.432 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

Instrument :

BNA_E

ClientSampleId :

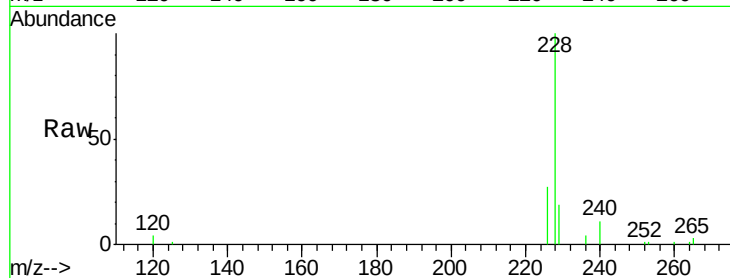
Tot Ion:228 Resp: 15352

Ion Ratio Lower Upper

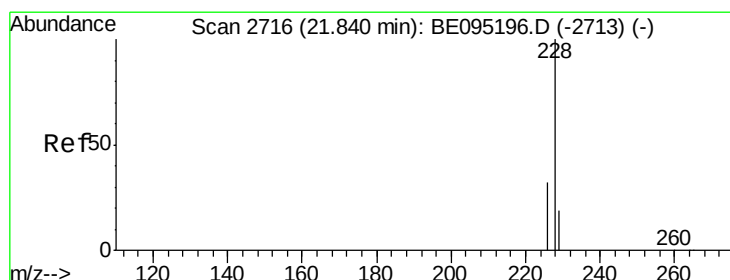
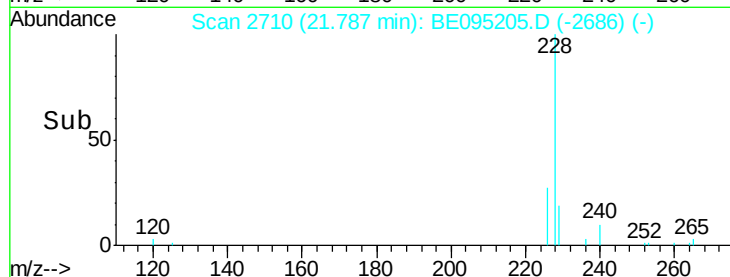
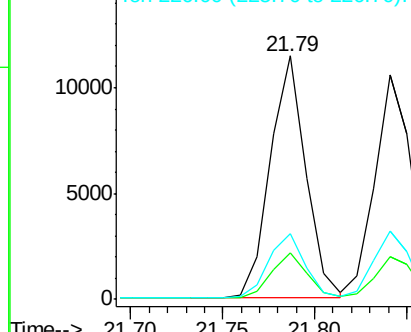
228 100

229 19.2 22.8 34.2#

226 26.9 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: 0.402 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

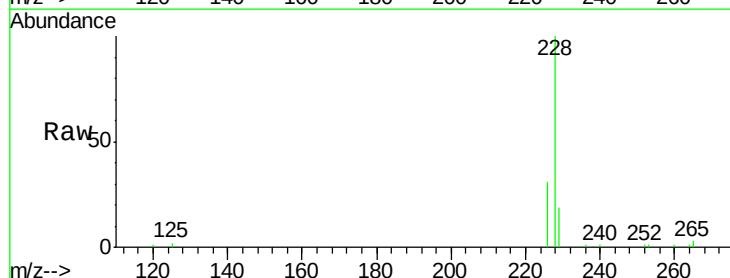
Tgt Ion:228 Resp: 14807

Ion Ratio Lower Upper

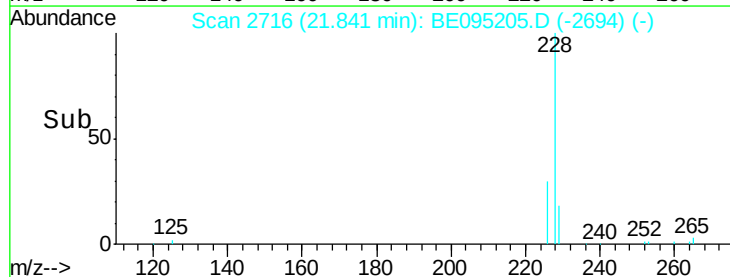
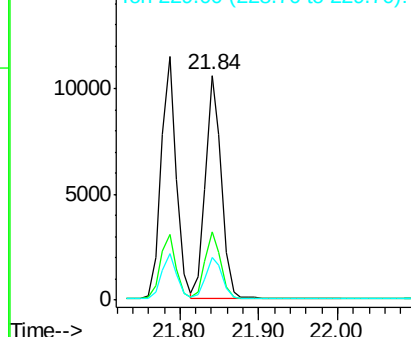
228 100

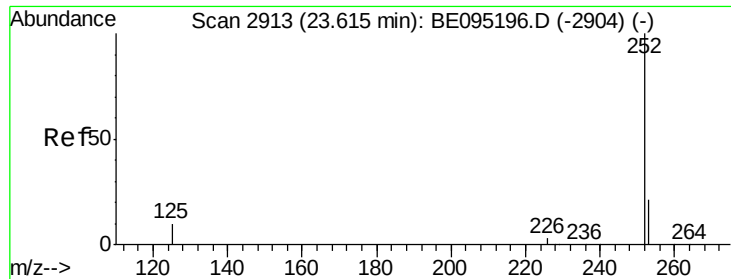
226 30.5 23.4 35.0

229 18.9 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

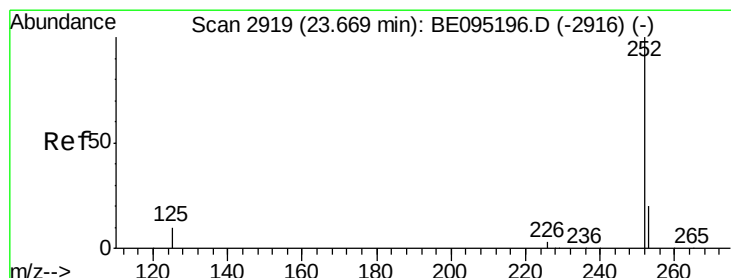
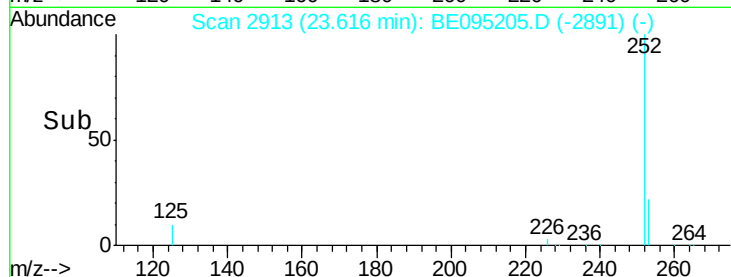
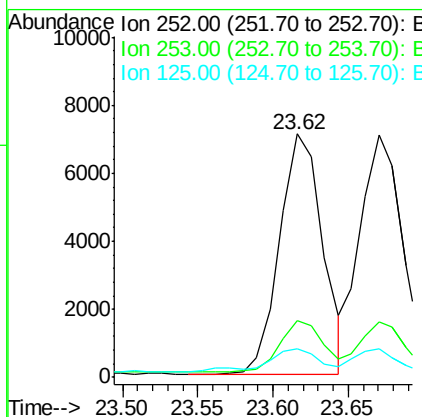
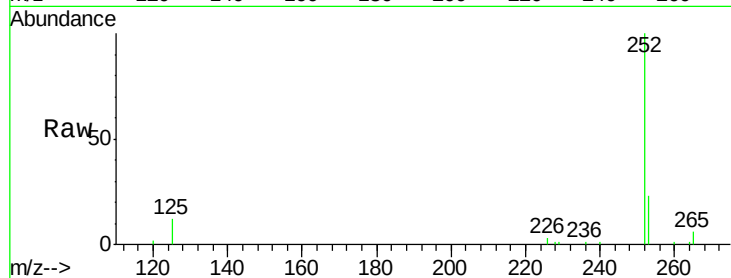




#21
Benzo(b)fluoranthene
Concen: 0.376 ng/ul
RT: 23.62 min Scan# 2913
Delta R.T. 0.00 min
Lab File: BE095205.D
Acq: 28 Jan 2018 14:04

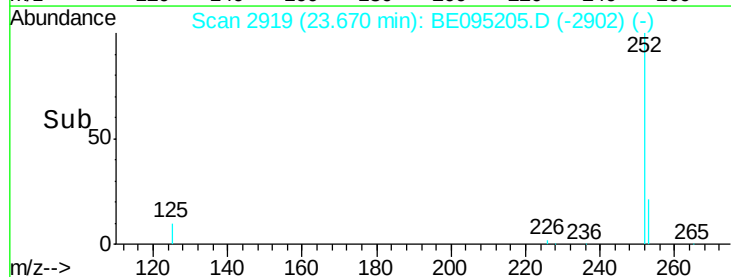
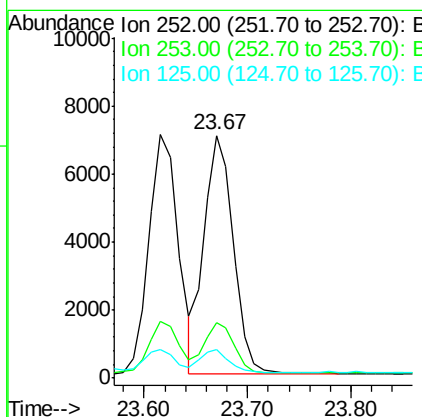
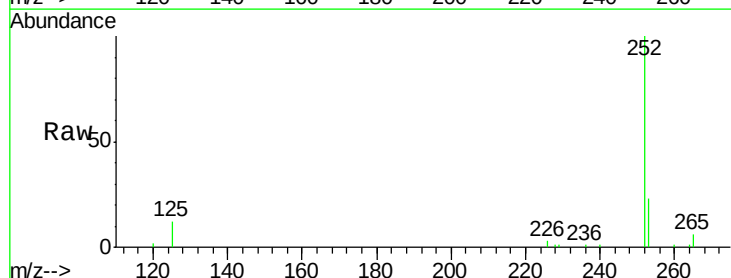
Instrument :
BNA_E
ClientSampleId :

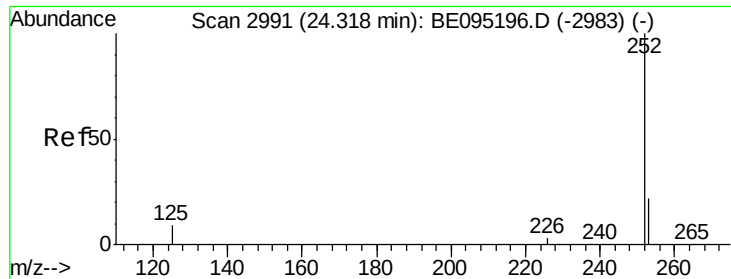
Tot Ion:252 Resp: 14001
Ion Ratio Lower Upper
252 100
253 23.3 0.0 64.2
125 11.6 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.408 ng/ul
RT: 23.67 min Scan# 2919
Delta R.T. 0.00 min
Lab File: BE095205.D
Acq: 28 Jan 2018 14:04

Tgt Ion:252 Resp: 13891
Ion Ratio Lower Upper
252 100
253 22.8 24.5 36.7#
125 11.9 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.404 ng/ul

RT: 24.32 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

Instrument :

BNA_E

ClientSampleId :

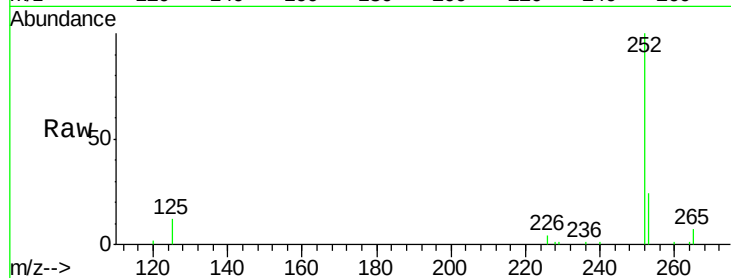
Tot Ion:252 Resp: 13431

Ion Ratio Lower Upper

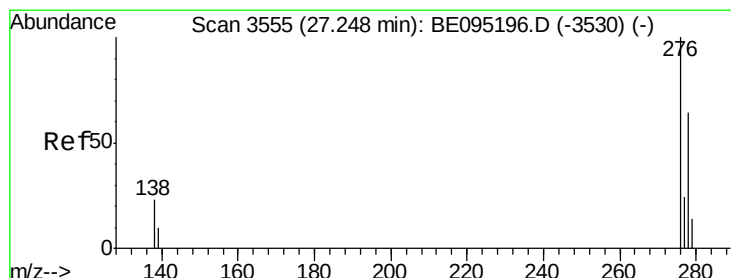
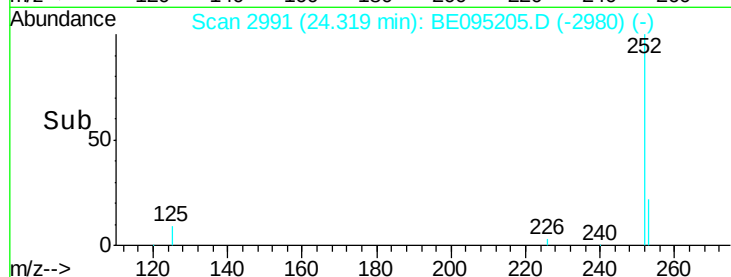
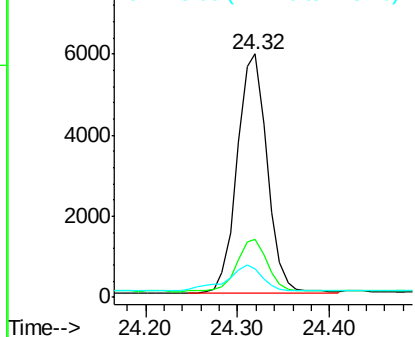
252 100

253 23.7 28.5 42.7#

125 11.7 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: 0.413 ng/ul

RT: 27.24 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

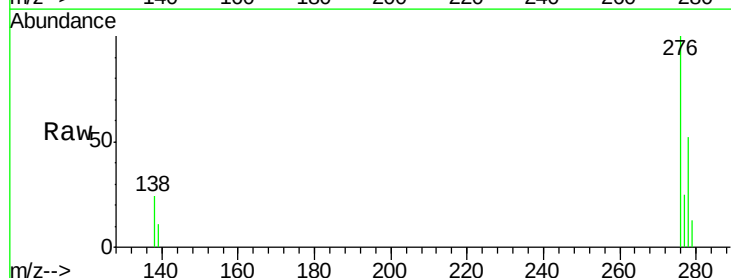
Tgt Ion:276 Resp: 15050

Ion Ratio Lower Upper

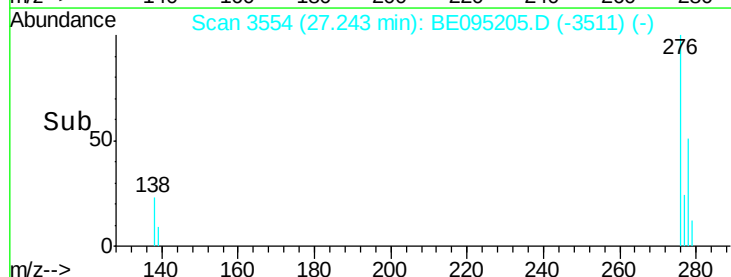
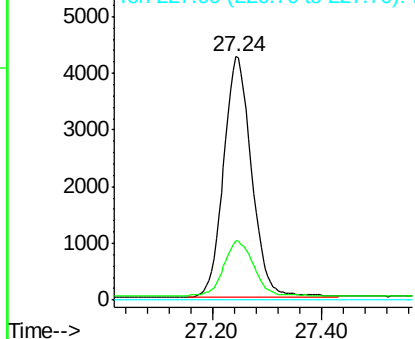
276 100

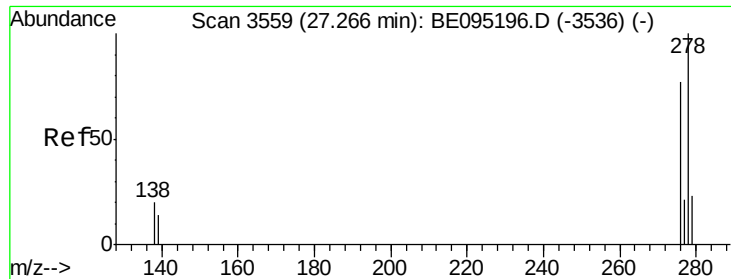
138 24.4 28.0 42.0#

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: 0.413 ng/ul

RT: 27.27 min Scan# 3559

Delta R.T. -0.00 min

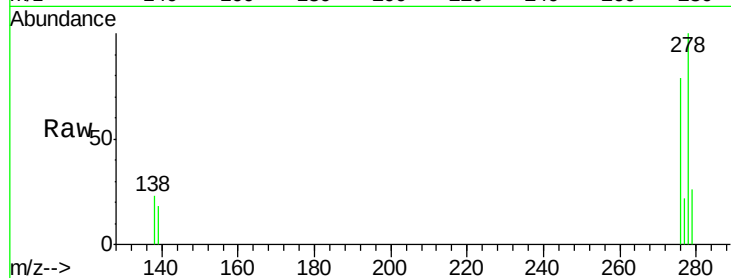
Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

Instrument :

BNA_E

ClientSampleId :



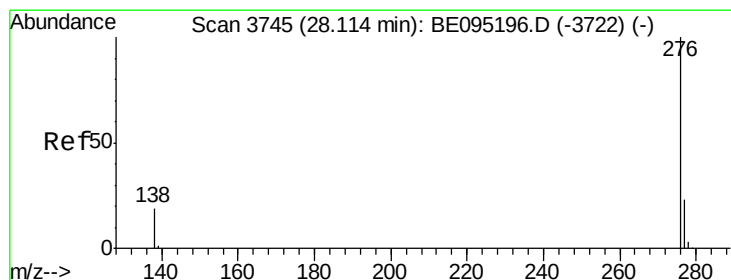
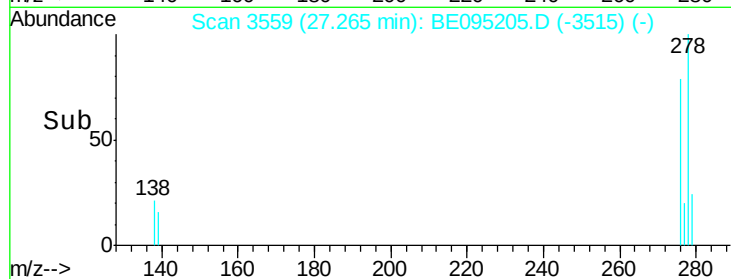
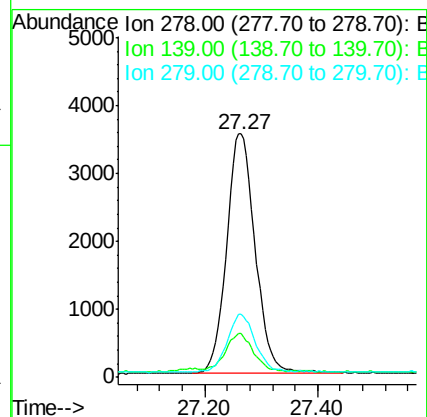
Tot Ion:278 Resp: 12322

Ion Ratio Lower Upper

278 100

139 18.0 17.4 26.0

279 25.8 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.409 ng/ul

RT: 28.12 min Scan# 3746

Delta R.T. 0.00 min

Lab File: BE095205.D

Acq: 28 Jan 2018 14:04

Tgt Ion:276 Resp: 12609

Ion Ratio Lower Upper

276 100

138 23.1 21.8 32.8

277 25.3 20.5 30.7

