

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
 Data File : BE095465.D
 Acq On : 4 Feb 2018 7:40
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 05 04:54:37 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 Feb 05 04:46:10 2018
 Response via : Initial Calibration

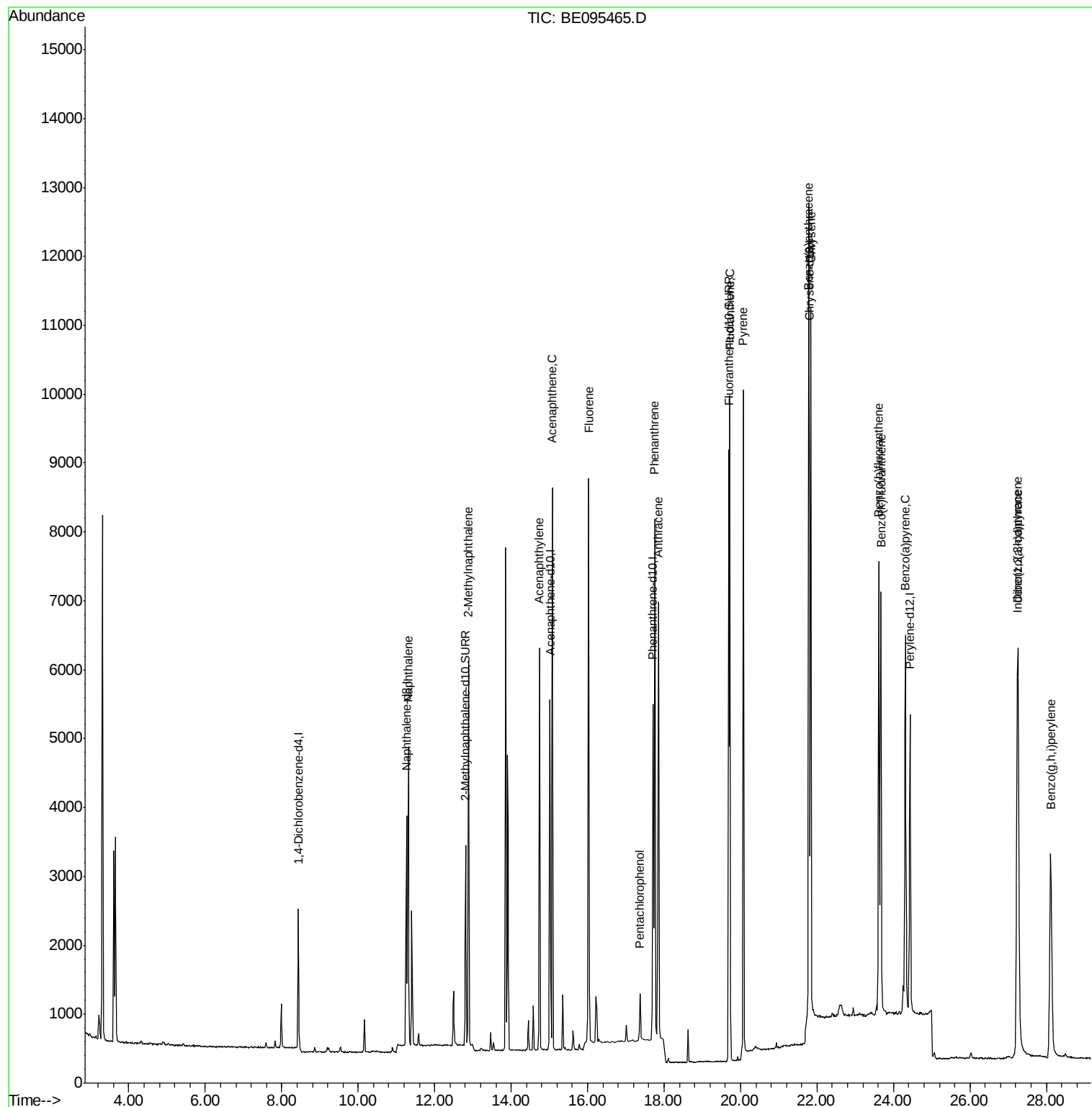
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	1603	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	4665	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	2888	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	6898	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	6941	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	6588	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	3821	0.50	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	9613	0.36	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.31	128	6319	0.484	ng/ul#	89
5) 2-Methylnaphthalene	12.88	142	4419	0.507	ng/ul	99
7) Acenaphthylene	14.74	152	6669	0.480	ng/ul	97
8) Acenaphthene	15.08	153	4877	0.452	ng/ul	96
9) Fluorene	16.03	166	5680	0.511	ng/ul#	86
11) Pentachlorophenol	17.36	266	500	0.374	ng/ul	97
12) Phenanthrene	17.75	178	8892	0.383	ng/ul#	91
13) Anthracene	17.85	178	8312	0.391	ng/ul#	93
15) Fluoranthene	19.72	202	10782	0.359	ng/ul	83
17) Pyrene	20.07	202	11421	0.490	ng/ul#	80
18) Benzo(a)anthracene	21.79	228	10089	0.465	ng/ul#	86
19) Chrysene	21.84	228	9645	0.428	ng/ul	97
21) Benzo(b)fluoranthene	23.62	252	9627	0.414	ng/ul	84
22) Benzo(k)fluoranthene	23.67	252	8989	0.423	ng/ul#	86
23) Benzo(a)pyrene	24.31	252	8986	0.433	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.24	276	9748	0.428	ng/ul#	78
25) Dibenzo(a,h)anthracene	27.26	278	7820	0.420	ng/ul	92
26) Benzo(g,h,i)perylene	28.11	276	8211	0.426	ng/ul	95

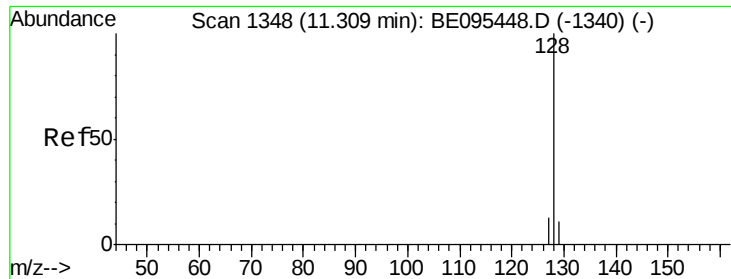
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.484 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

Instrument :

BNA_E

ClientSampleId :

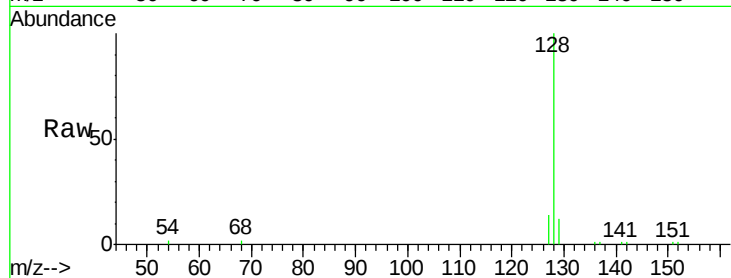
Tot Ion:128 Resp: 6319

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

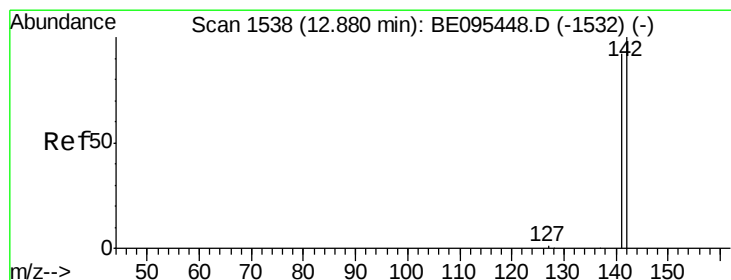
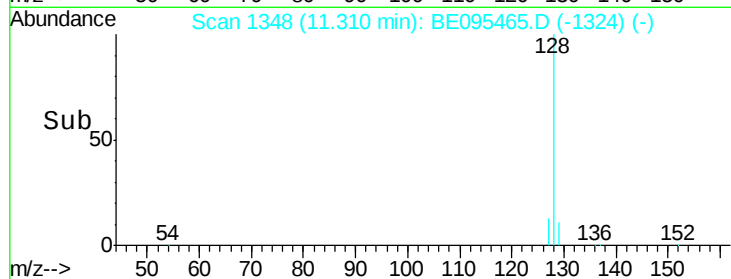
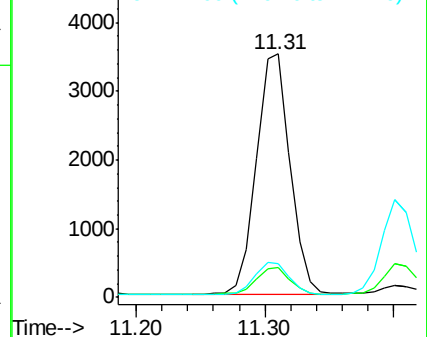
127 14.0 4.0 6.0#



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: 0.507 ng/ul

RT: 12.88 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BE095465.D

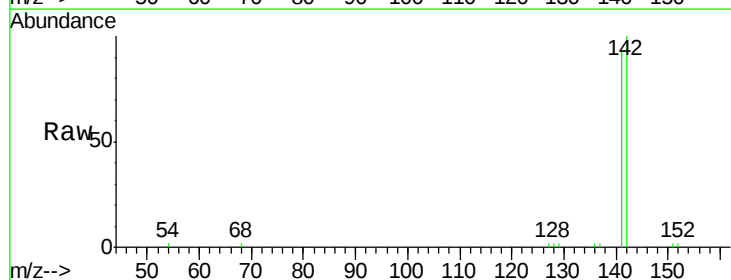
Acq: 4 Feb 2018 7:40

Tgt Ion:142 Resp: 4419

Ion Ratio Lower Upper

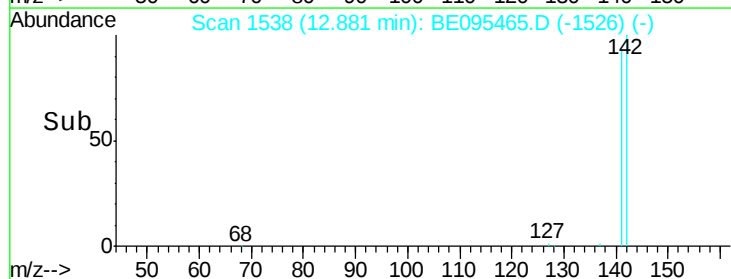
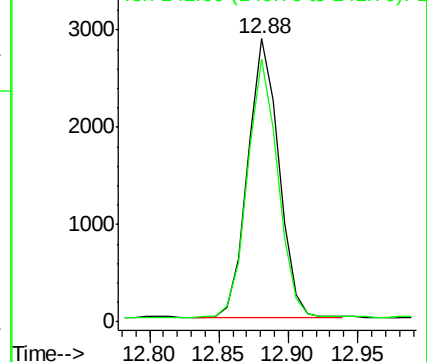
142 100

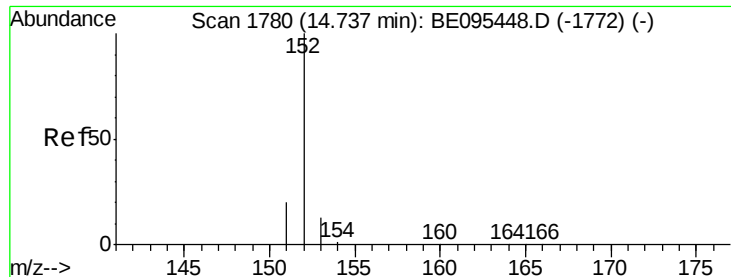
141 91.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.480 ng/ul

RT: 14.74 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

Instrument :

BNA_E

ClientSampleId :

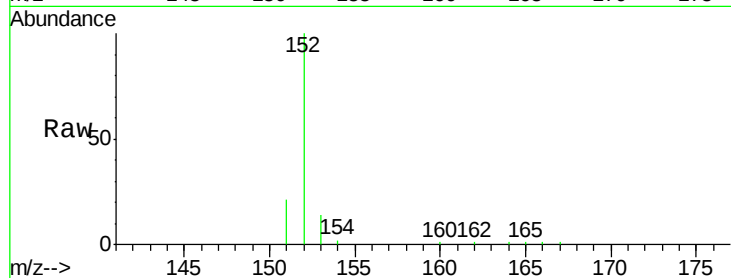
Tot Ion:152 Resp: 6669

Ion Ratio Lower Upper

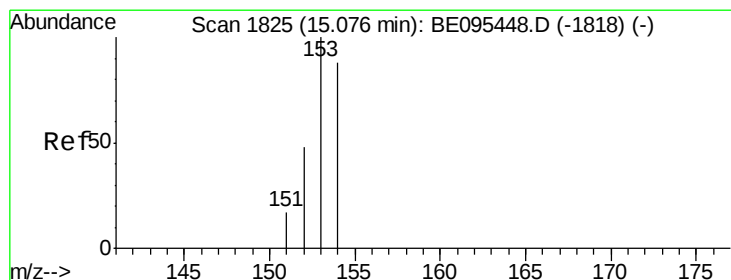
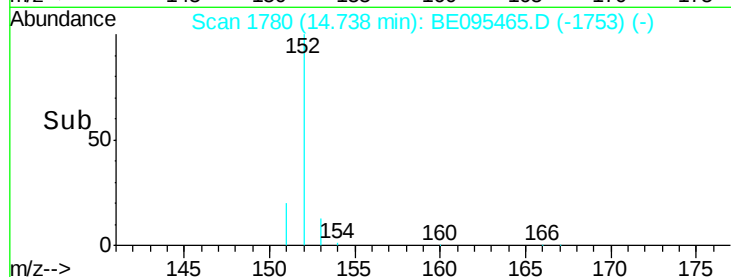
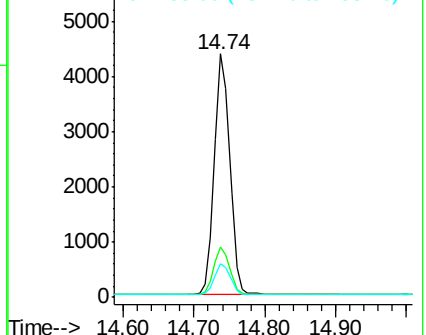
152 100

151 20.8 17.1 25.7

153 14.1 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: 0.452 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

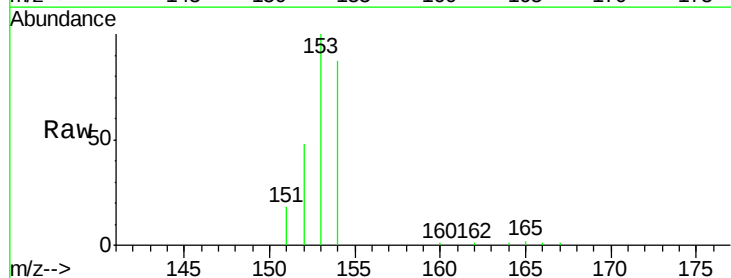
Tgt Ion:153 Resp: 4877

Ion Ratio Lower Upper

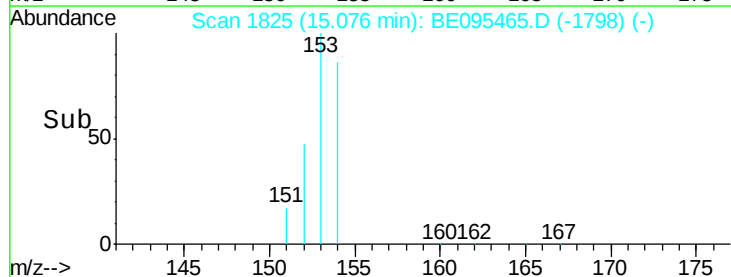
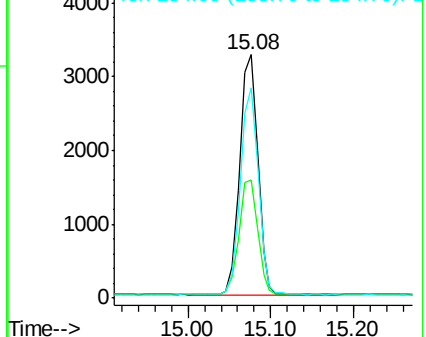
153 100

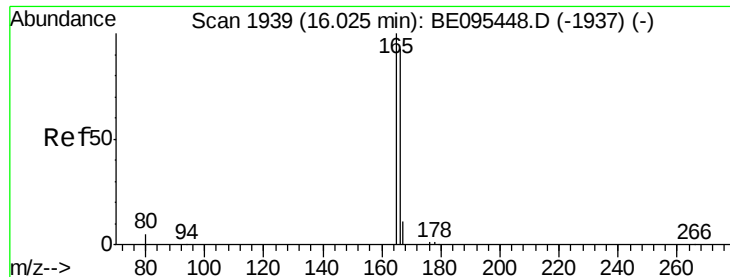
152 48.3 36.0 54.0

154 86.5 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: 0.511 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

Instrument :

BNA_E

ClientSampleId :

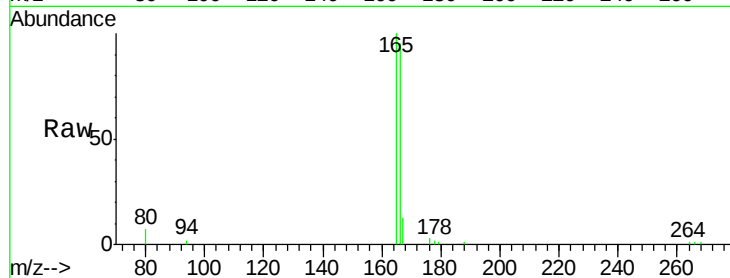
Tot Ion:166 Resp: 5680

Ion Ratio Lower Upper

166 100

165 105.6 73.4 110.2

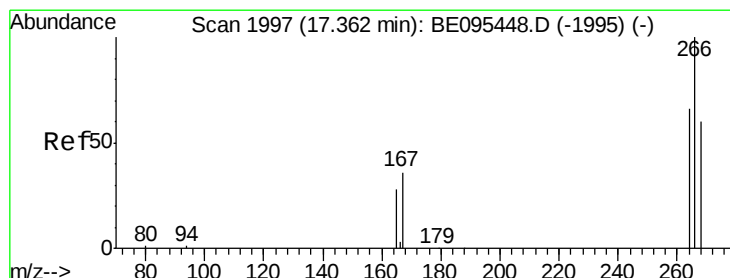
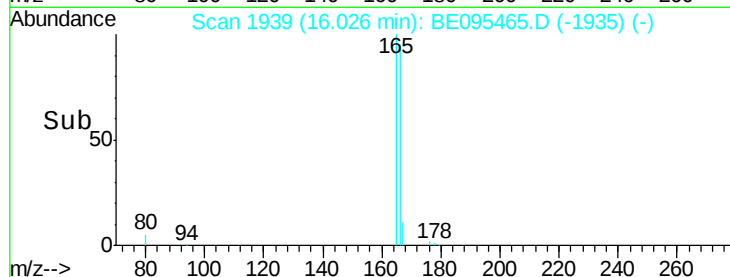
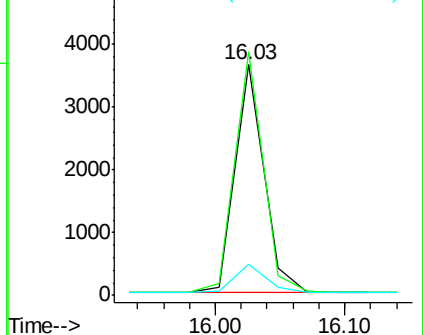
167 13.3 14.6 22.0#



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: 0.374 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

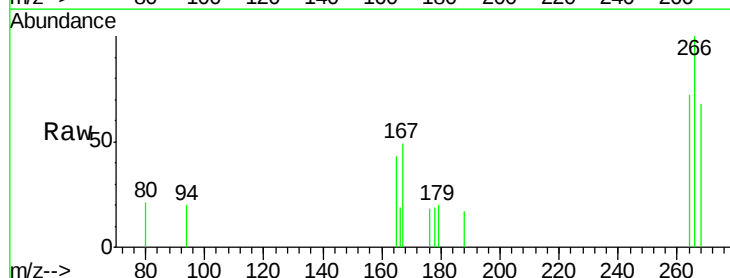
Tgt Ion:266 Resp: 500

Ion Ratio Lower Upper

266 100

264 62.2 47.9 71.9

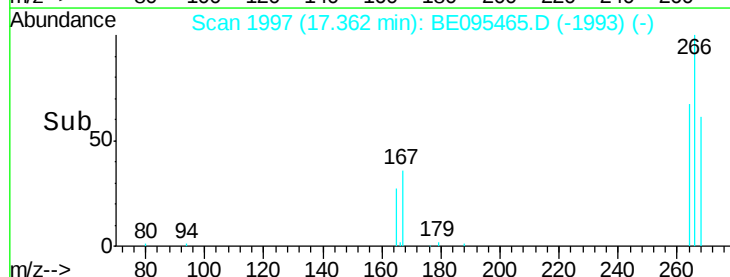
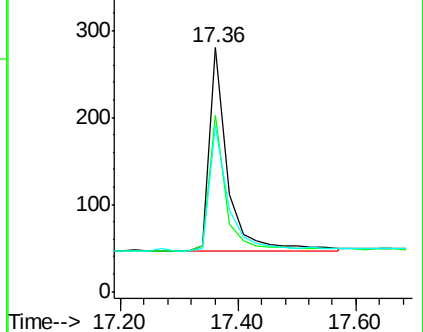
268 65.2 49.8 74.8

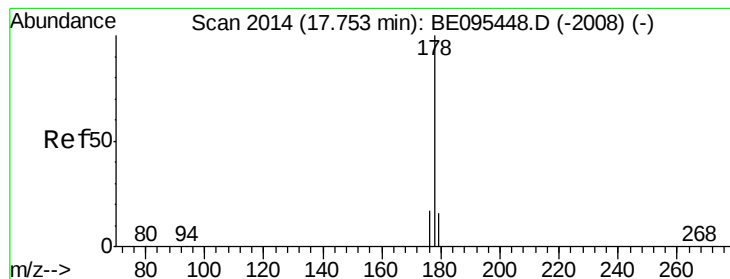


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.383 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

Instrument :

BNA_E

ClientSampleId :

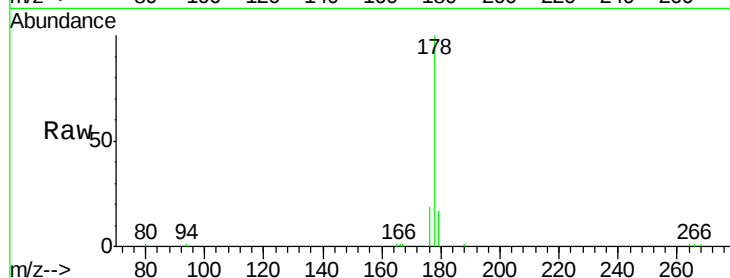
Tot Ion:178 Resp: 8892

Ion Ratio Lower Upper

178 100

179 16.6 18.4 27.6#

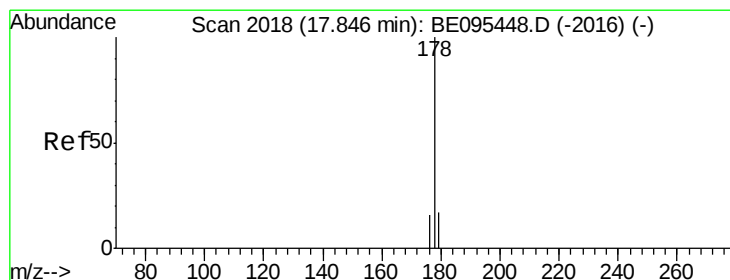
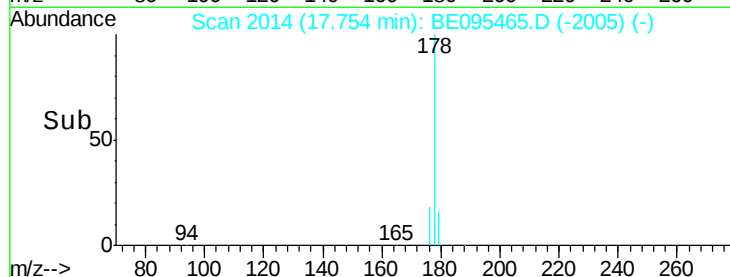
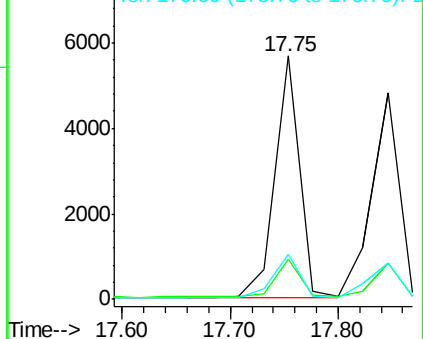
176 18.6 13.6 20.4



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: 0.391 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

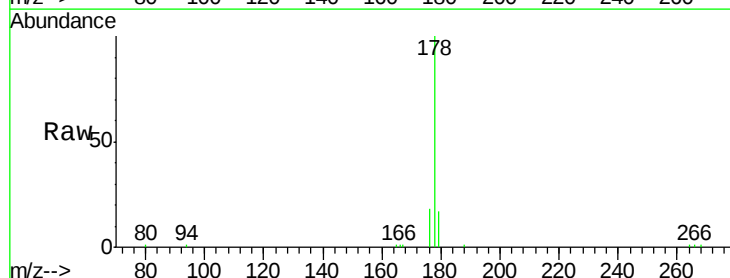
Tgt Ion:178 Resp: 8312

Ion Ratio Lower Upper

178 100

179 17.5 18.1 27.1#

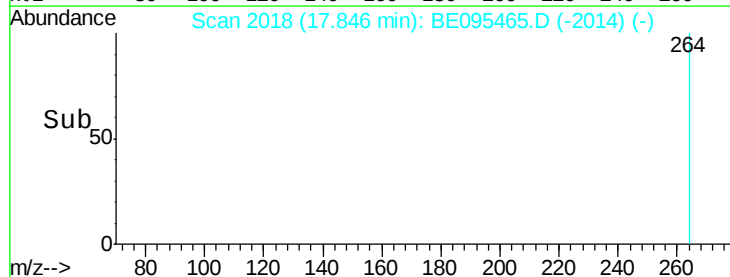
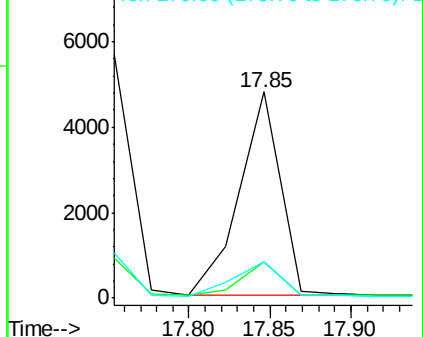
176 17.6 14.7 22.1

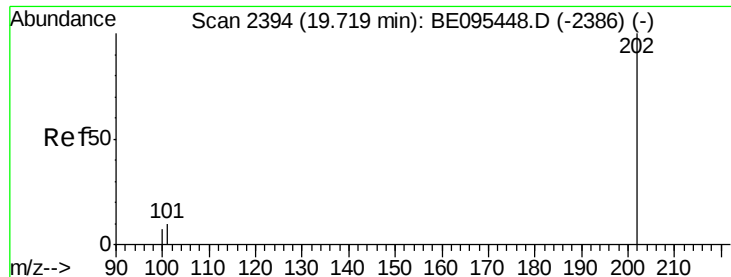


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.359 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

Instrument :

BNA_E

ClientSampleId :

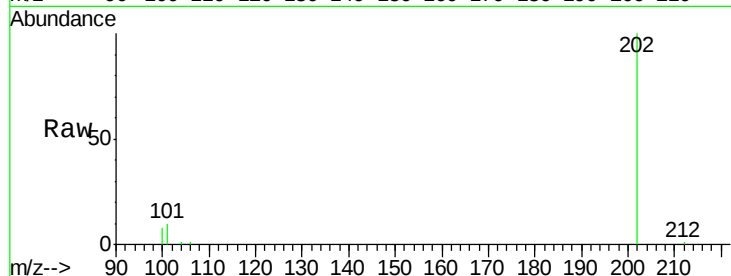
Tot Ion:202 Resp: 10782

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.3

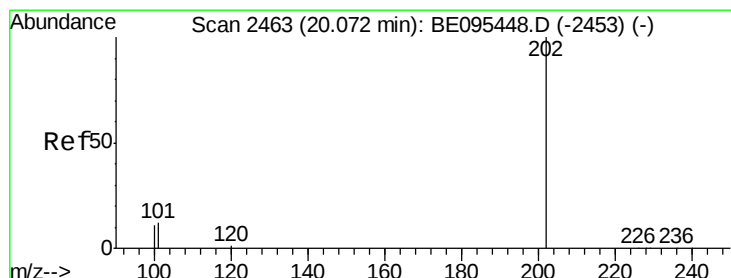
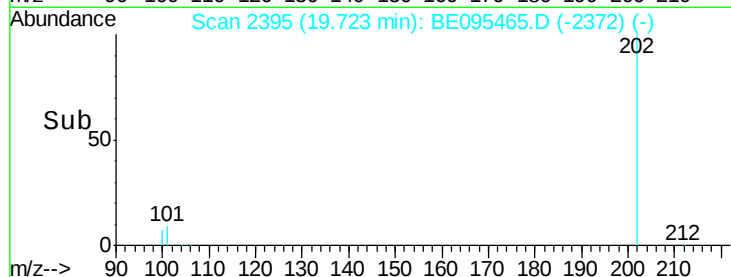
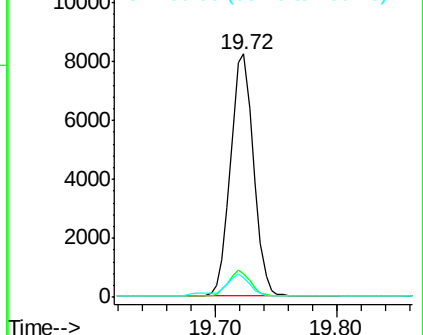
100 8.0 0.0 39.5



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: 0.490 ng/ul

RT: 20.07 min Scan# 2463

Delta R.T. 0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

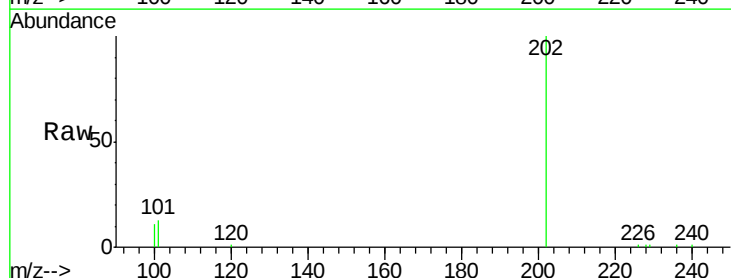
Tgt Ion:202 Resp: 11421

Ion Ratio Lower Upper

202 100

101 12.6 18.2 27.4#

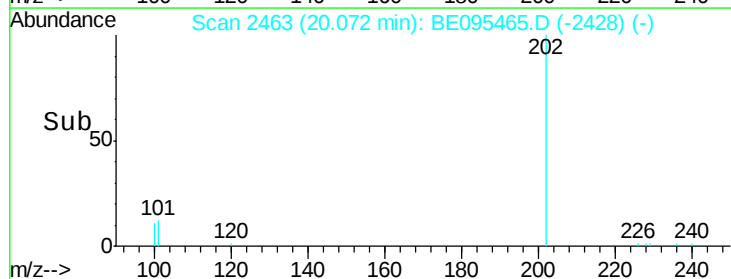
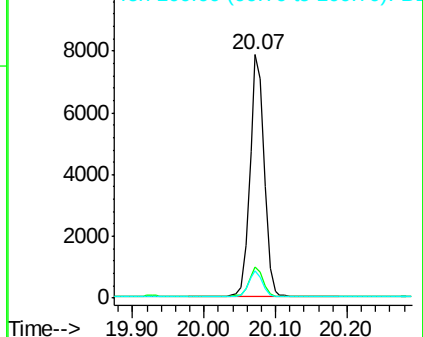
100 11.1 15.6 23.4#

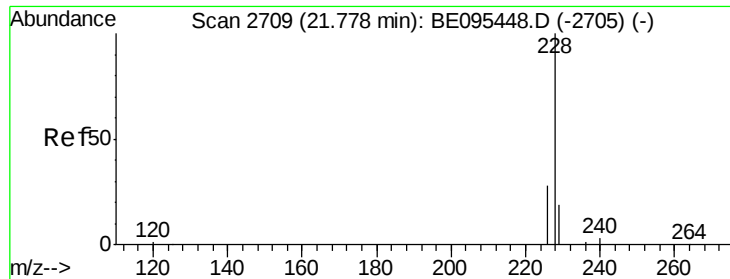


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

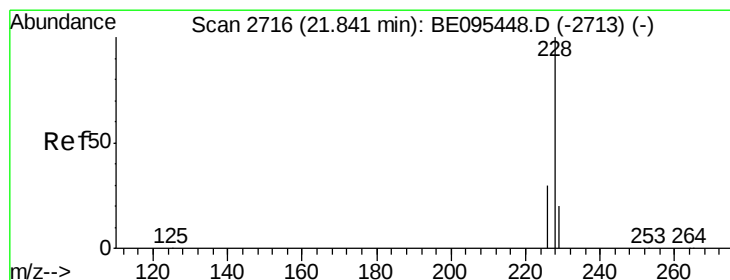
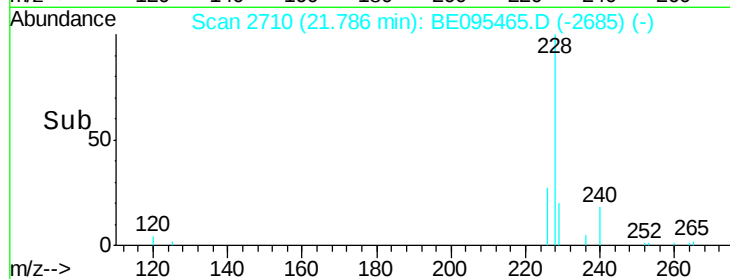
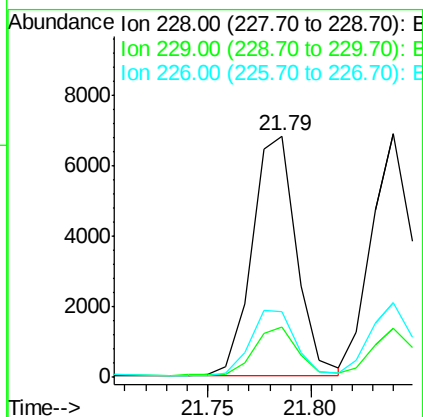
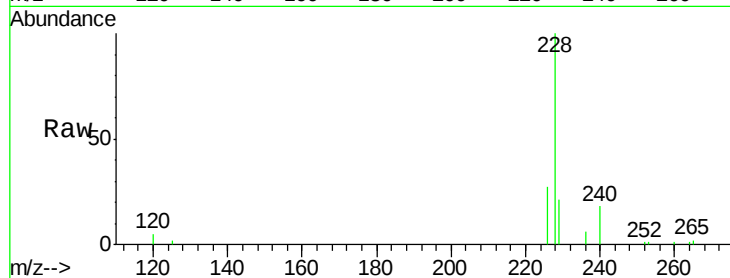




#18
Benzo(a)anthracene
Concen: 0.465 ng/ul
RT: 21.79 min Scan# 2710
Delta R.T. 0.01 min
Lab File: BE095465.D
Acq: 4 Feb 2018 7:40

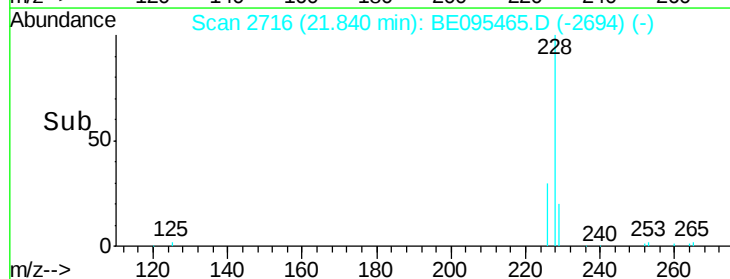
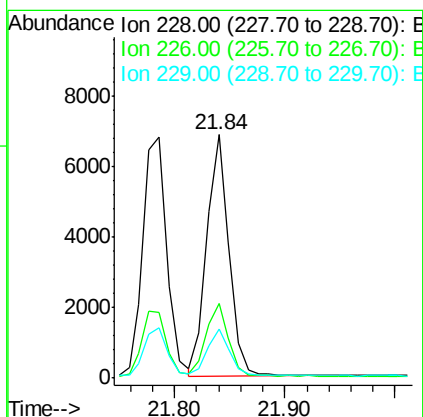
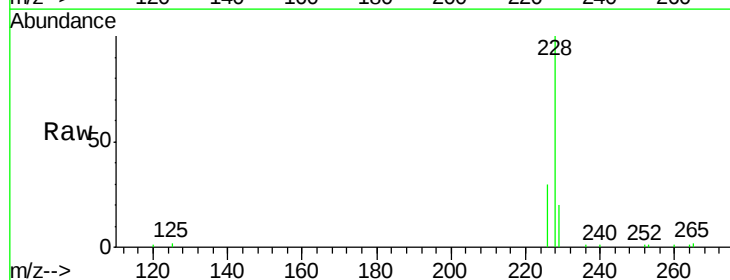
Instrument :
BNA_E
ClientSampleId :

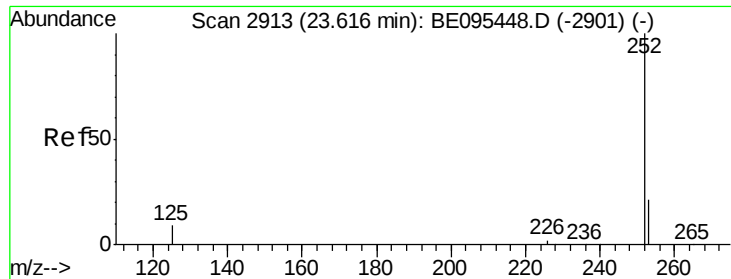
Tot Ion:228 Resp: 10089
Ion Ratio Lower Upper
228 100
229 20.6 22.8 34.2#
226 27.4 17.0 25.6#



#19
Chrysene
Concen: 0.428 ng/ul
RT: 21.84 min Scan# 2716
Delta R.T. -0.00 min
Lab File: BE095465.D
Acq: 4 Feb 2018 7:40

Tgt Ion:228 Resp: 9645
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.0
229 20.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.414 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

Instrument :

BNA_E

ClientSampleId :

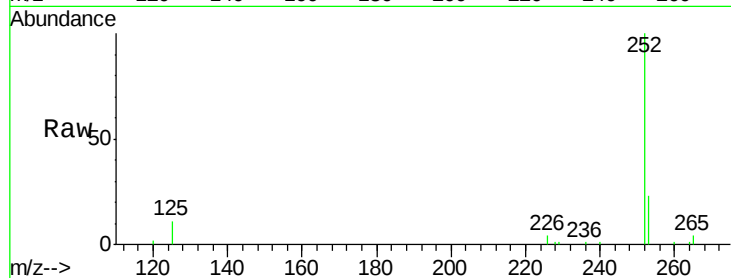
Tot Ion:252 Resp: 9627

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

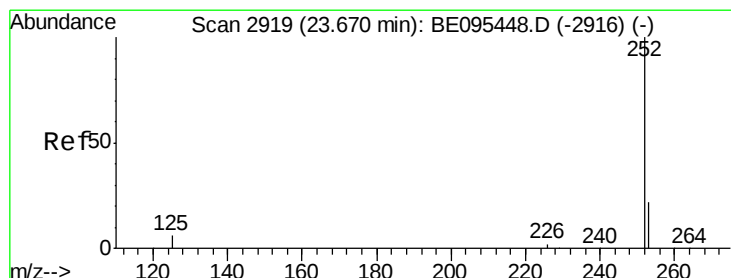
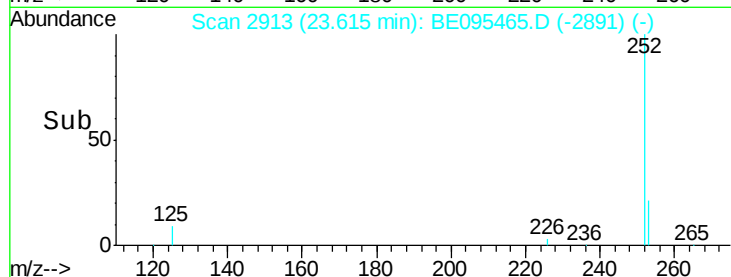
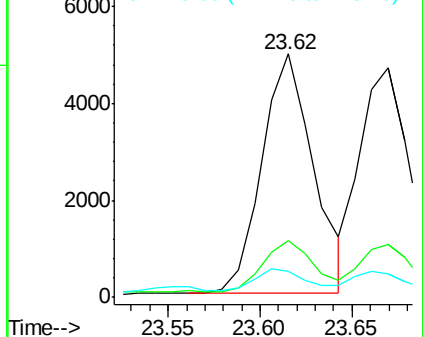
125 10.8 0.0 35.0



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: 0.423 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

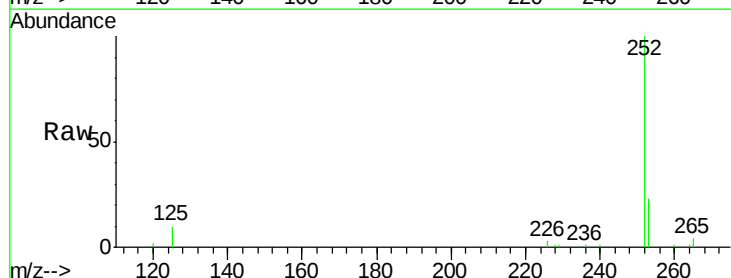
Tgt Ion:252 Resp: 8989

Ion Ratio Lower Upper

252 100

253 23.3 24.5 36.7#

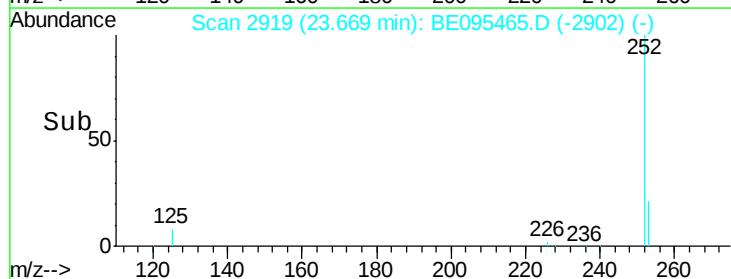
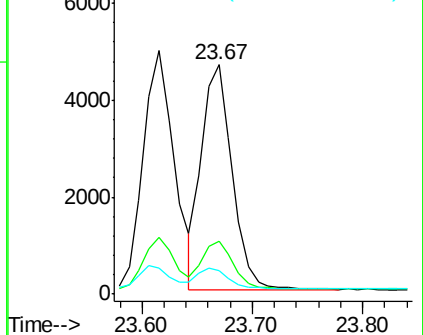
125 10.5 13.7 20.5#

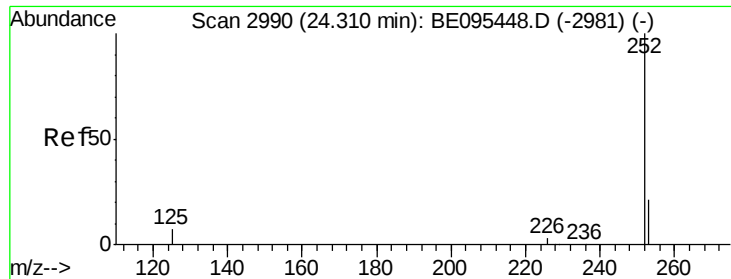


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.433 ng/ul

RT: 24.31 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

Instrument :

BNA_E

ClientSampleId :

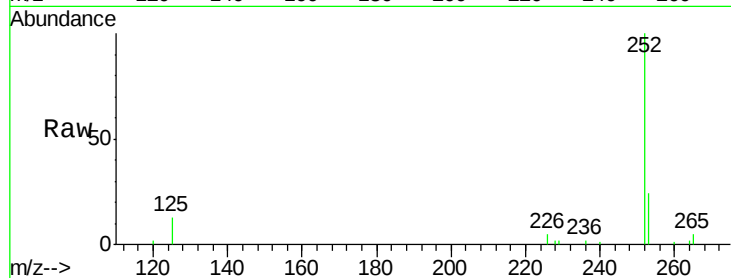
Tot Ion:252 Resp: 8986

Ion Ratio Lower Upper

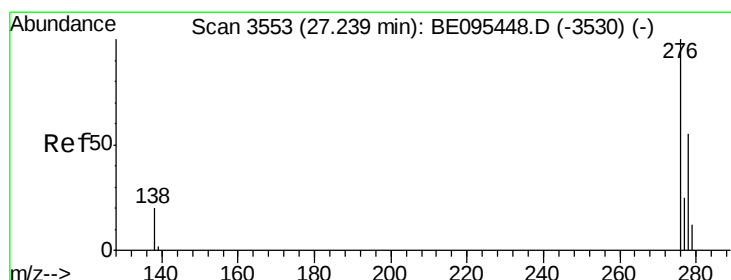
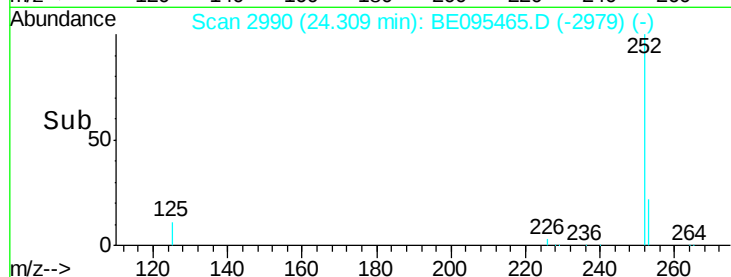
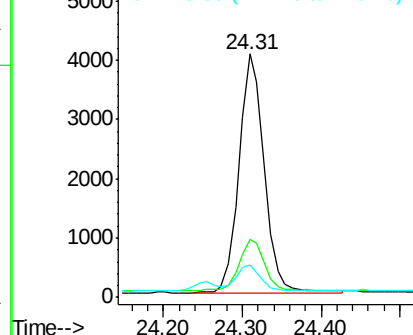
252 100

253 24.0 28.5 42.7#

125 13.3 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: 0.428 ng/ul

RT: 27.24 min Scan# 3552

Delta R.T. -0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

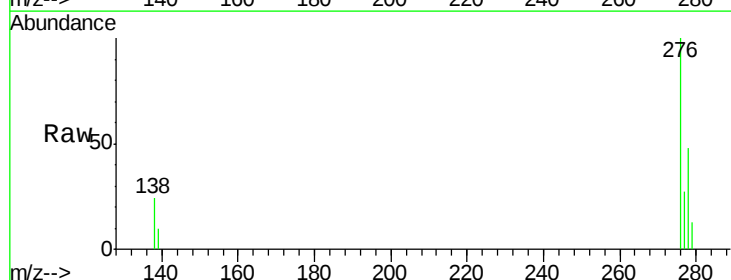
Tgt Ion:276 Resp: 9748

Ion Ratio Lower Upper

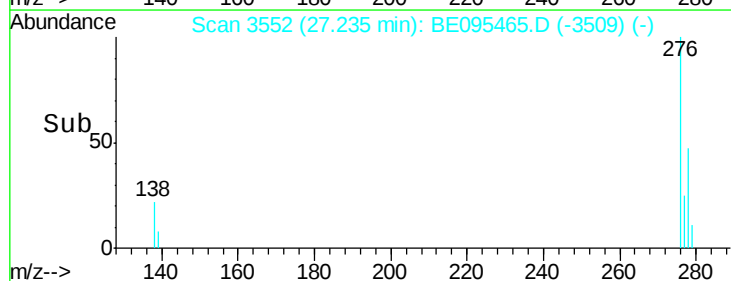
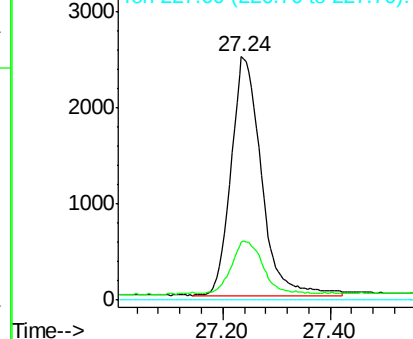
276 100

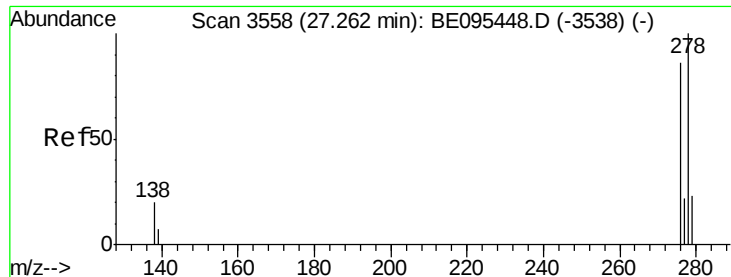
138 22.8 28.0 42.0#

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: 0.420 ng/ul

RT: 27.26 min Scan# 3558

Delta R.T. 0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

Instrument :

BNA_E

ClientSampleId :

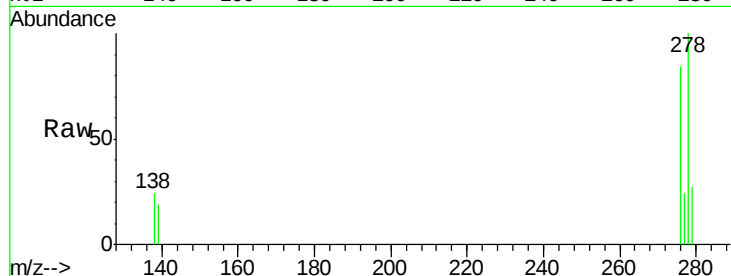
Tot Ion:278 Resp: 7820

Ion Ratio Lower Upper

278 100

139 18.6 17.4 26.0

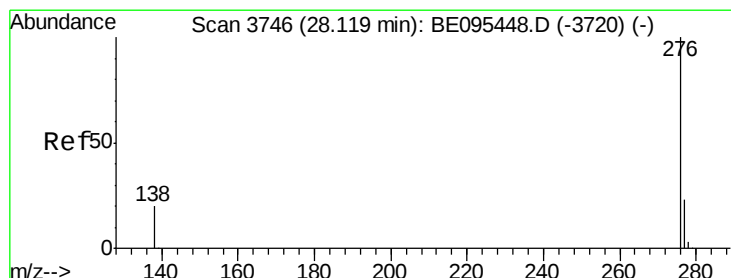
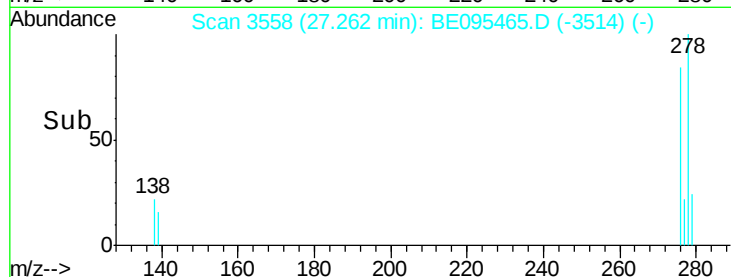
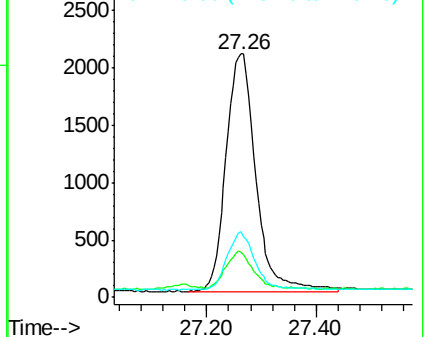
279 27.0 25.9 38.9



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: 0.426 ng/ul

RT: 28.11 min Scan# 3745

Delta R.T. -0.00 min

Lab File: BE095465.D

Acq: 4 Feb 2018 7:40

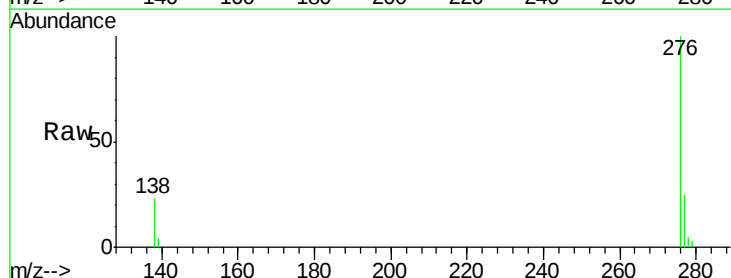
Tgt Ion:276 Resp: 8211

Ion Ratio Lower Upper

276 100

138 22.9 21.8 32.8

277 25.5 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

