

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094393.D
 Acq On : 15 Oct 2017 15:04
 Operator : SJ/JU
 Sample : I5548-21DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 16 06:55:43 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 06:50:03 2017
 Response via : Initial Calibration

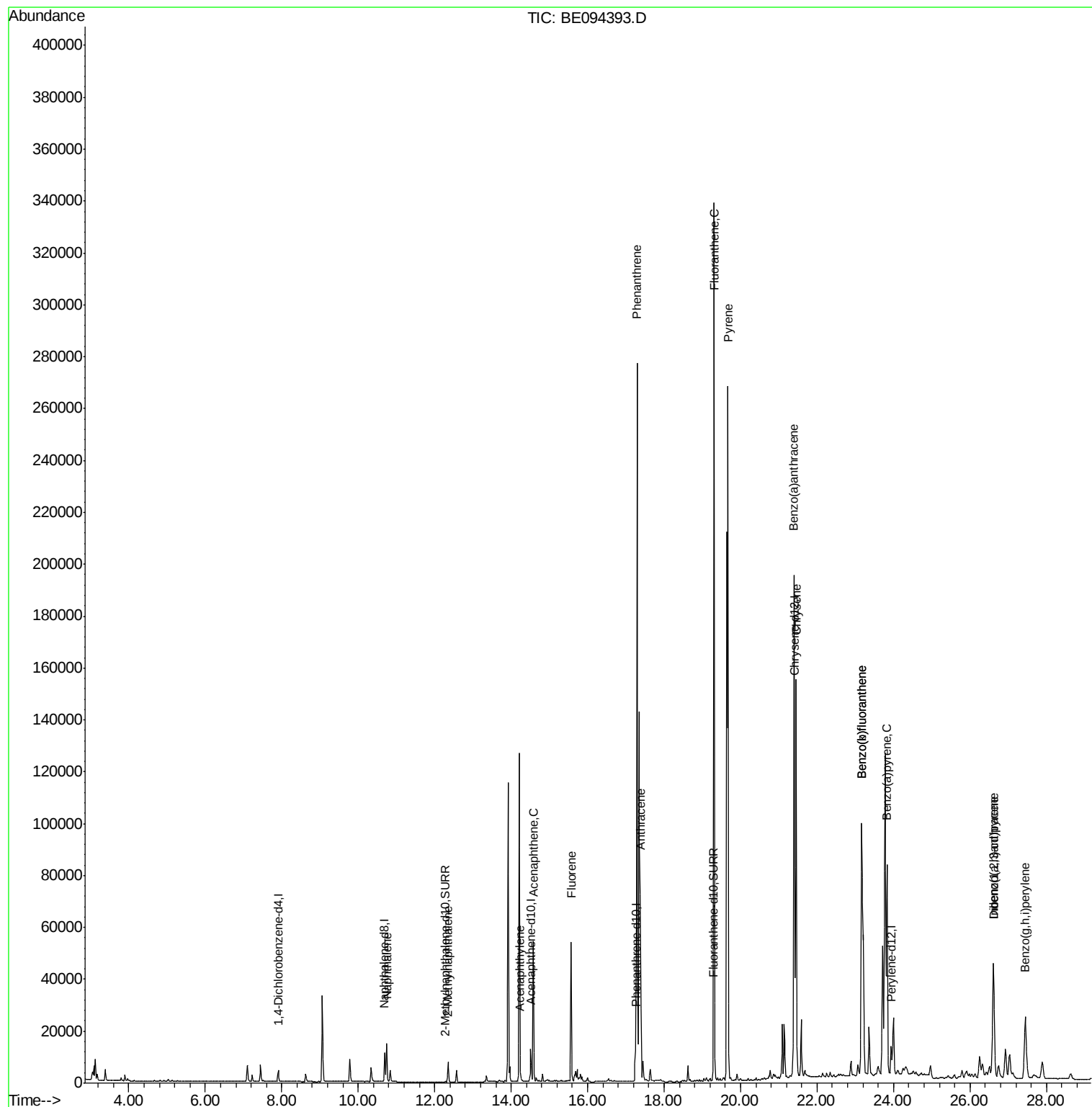
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2263	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12115	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	7317	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	16436	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	16470	0.40	ng/ul	0.00
20) Perylene-d12	23.94	264	15444	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	1016	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	2673	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	22904	0.772	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	7899	0.410	ng/ul	98
7) Acenaphthylene	14.24	152	1884	0.066	ng/ul#	88
8) Acenaphthene	14.58	153	33900	1.443	ng/ul	97
9) Fluorene	15.57	166	34962	1.271	ng/ul#	94
12) Phenanthrene	17.29	178	299356	6.970	ng/ul#	89
13) Anthracene	17.38	178	84074	2.013	ng/ul#	90
15) Fluoranthene	19.31	202	376398	6.670	ng/ul	84
17) Pyrene	19.67	202	290105	6.331	ng/ul#	83
18) Benzo(a)anthracene	21.40	228	183266	4.194	ng/ul#	86
19) Chrysene	21.45	228	152753	3.027	ng/ul	99
21) Benzo(b)fluoranthene	23.17	252	250776	5.977	ng/ul	86
22) Benzo(k)fluoranthene	23.17	252	250776	5.171	ng/ul#	87
23) Benzo(a)pyrene	23.83	252	125054	2.869	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.61	276	76397	1.713	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.62	278	22471	0.601	ng/ul	97
26) Benzo(a,h,i)perylene	27.44	276	57858	1.504	ng/ul	98

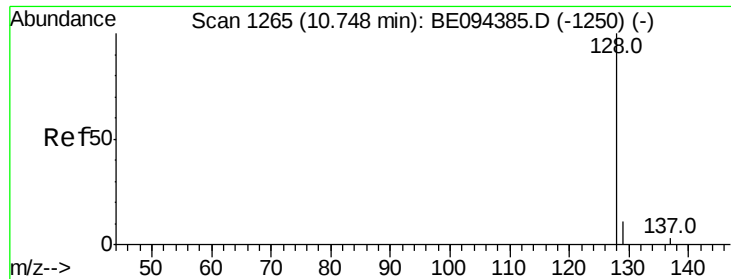
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.772 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

Instrument :

BNA_E

ClientSampleId :

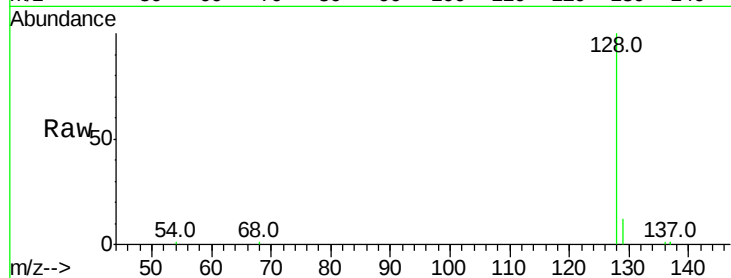
Tot Ion:128 Resp: 22904

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

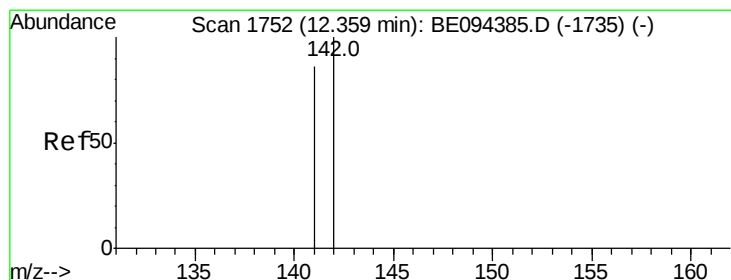
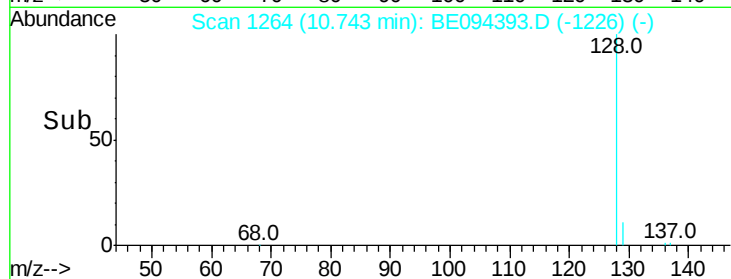
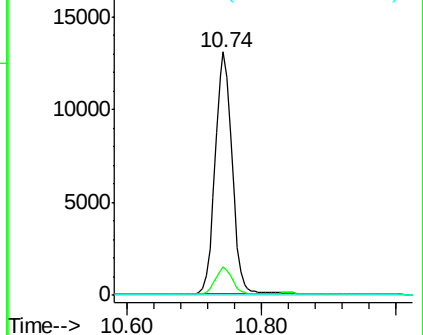
127 0.0 4.0 6.0#



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: 0.410 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094393.D

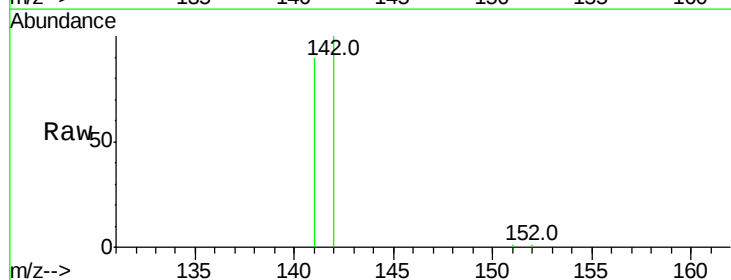
Acq: 15 Oct 2017 15:04

Tgt Ion:142 Resp: 7899

Ion Ratio Lower Upper

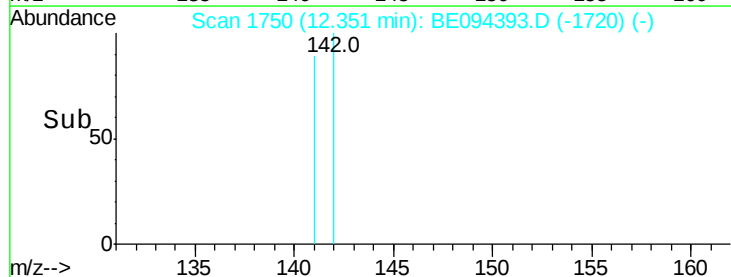
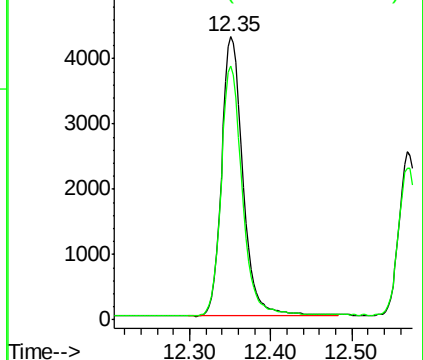
142 100

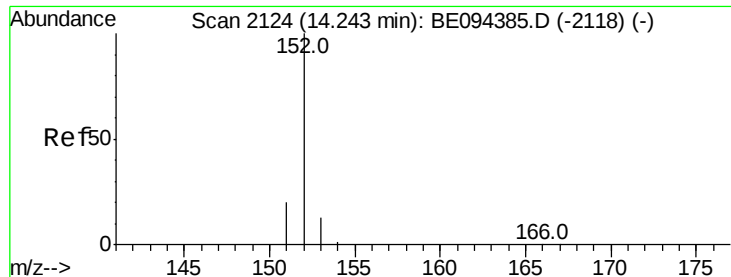
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.066 ng/ul

RT: 14.24 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

Instrument :

BNA_E

ClientSampleId :

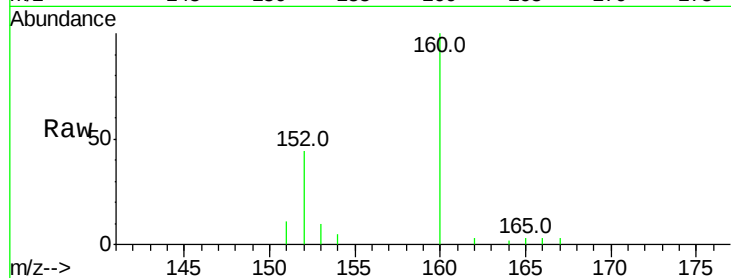
Tot Ion:152 Resp: 1884

Ion Ratio Lower Upper

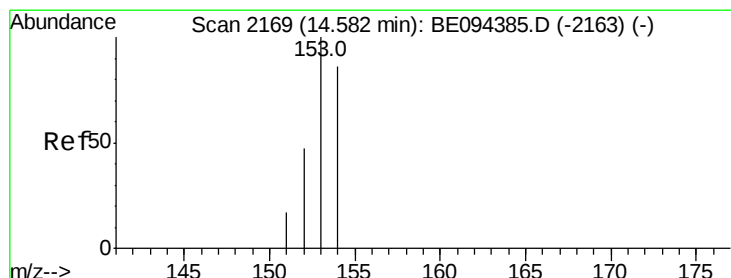
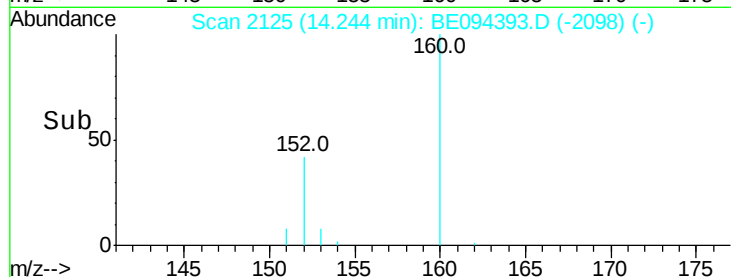
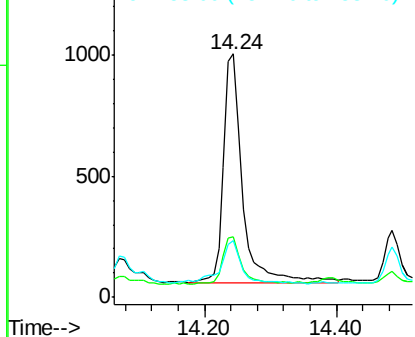
152 100

151 24.7 17.1 25.7

153 23.5 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: 1.443 ng/ul

RT: 14.58 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

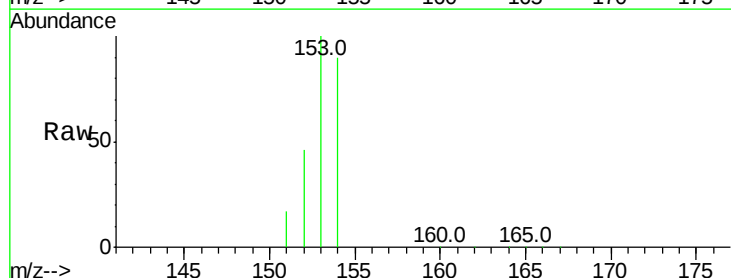
Tgt Ion:153 Resp: 33900

Ion Ratio Lower Upper

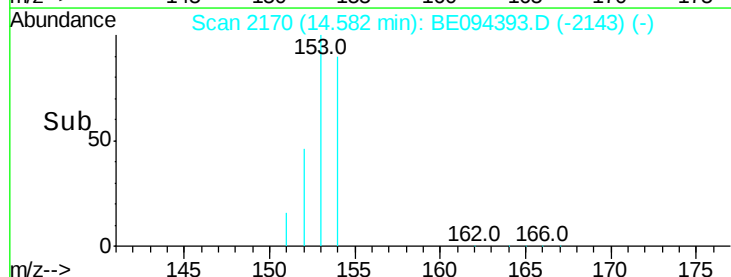
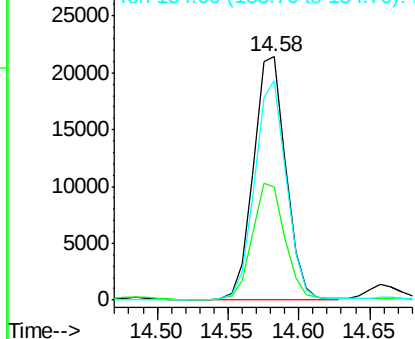
153 100

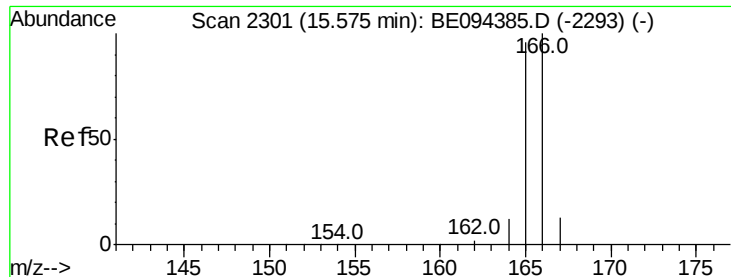
152 46.3 40.3 60.5

154 90.0 71.4 107.2



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

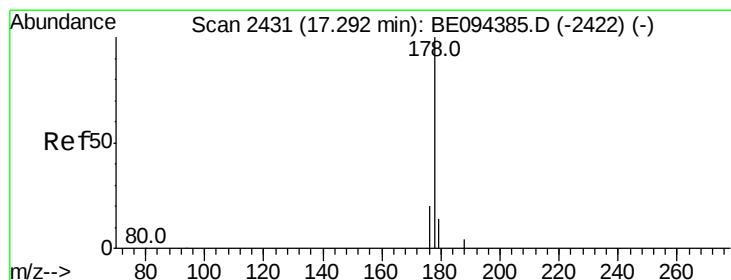
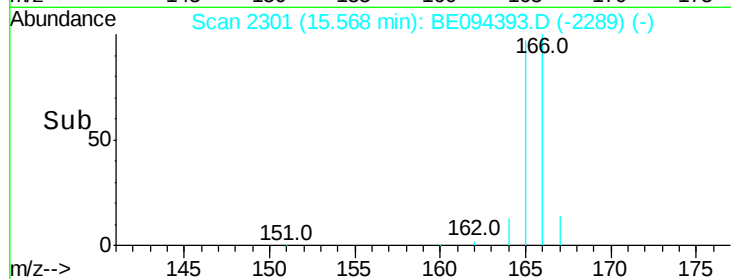
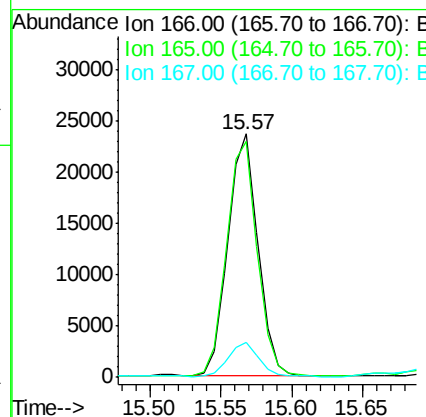
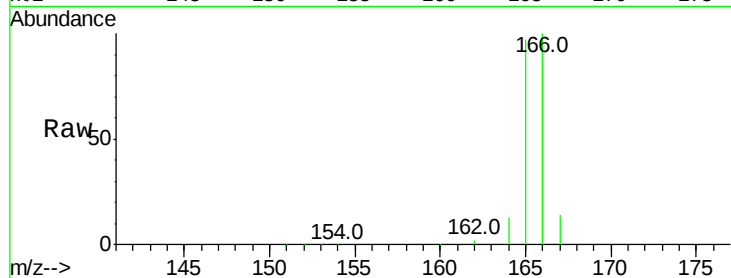




#9
Fluorene
 Concen: 1.271 ng/ul
 RT: 15.57 min Scan# 2301
 Delta R.T. -0.01 min
 Lab File: BE094393.D
 Acq: 15 Oct 2017 15:04

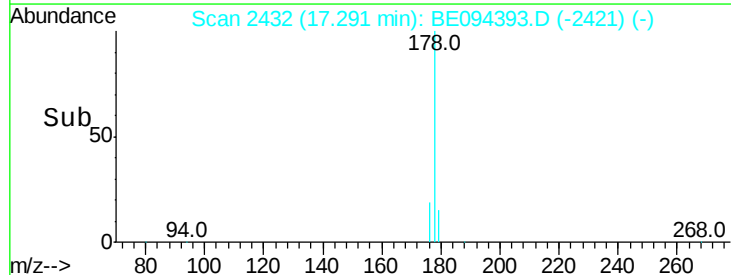
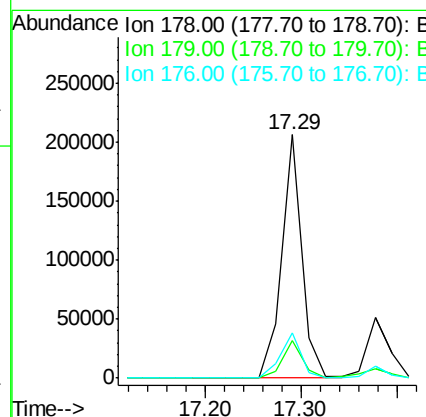
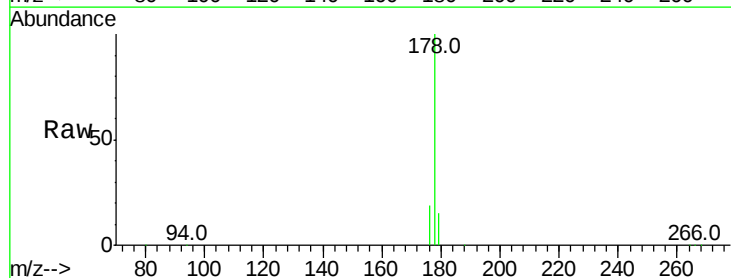
Instrument :
 BNA_E
 ClientSampleId :

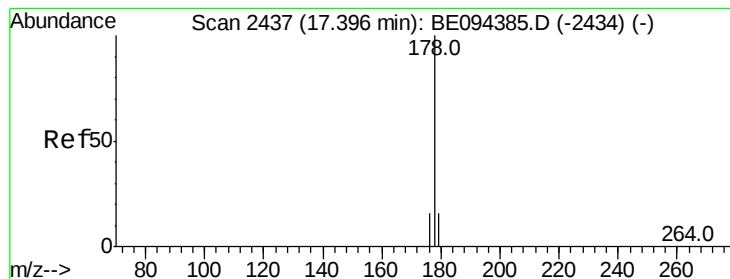
Tot Ion:166 Resp: 34962
 Ion Ratio Lower Upper
 166 100
 165 97.0 73.4 110.2
 167 14.2 14.6 22.0#



#12
Phenanthrene
 Concen: 6.970 ng/ul
 RT: 17.29 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BE094393.D
 Acq: 15 Oct 2017 15:04

Tgt Ion:178 Resp: 299356
 Ion Ratio Lower Upper
 178 100
 179 15.4 18.4 27.6#
 176 18.7 13.6 20.4





#13

Anthracene

Concen: 2.013 ng/ul

RT: 17.38 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

Instrument :

BNA_E

ClientSampleId :

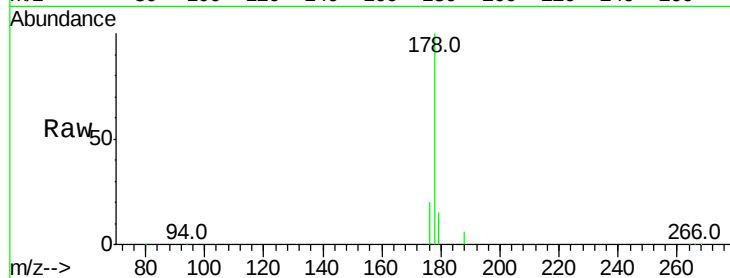
Tot Ion:178 Resp: 84074

Ion Ratio Lower Upper

178 100

179 14.7 18.1 27.1#

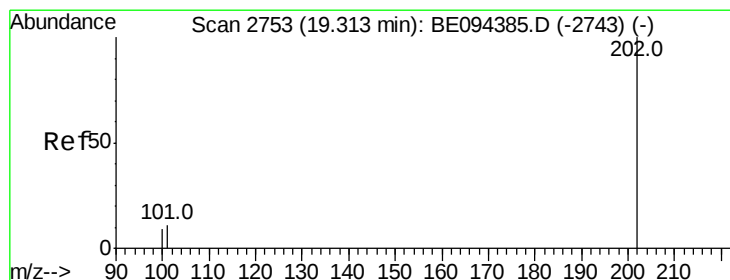
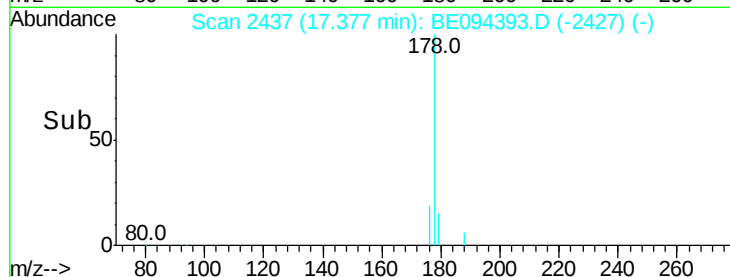
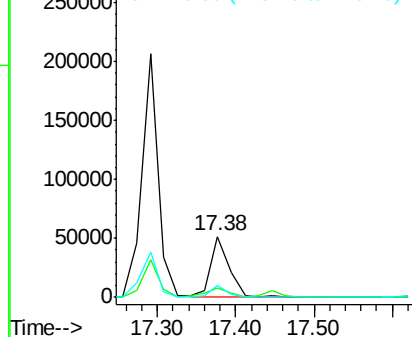
176 19.5 14.7 22.1



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: 6.670 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

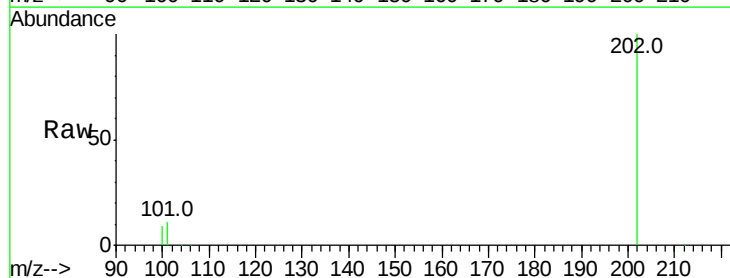
Tgt Ion:202 Resp: 376398

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.3

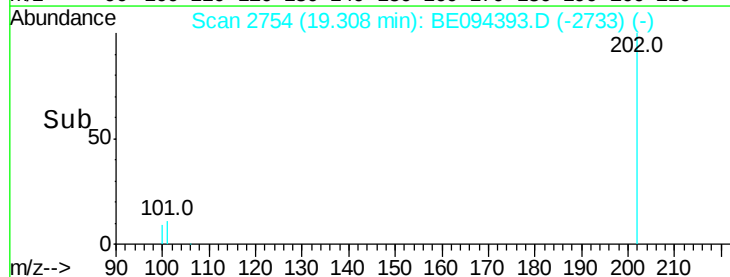
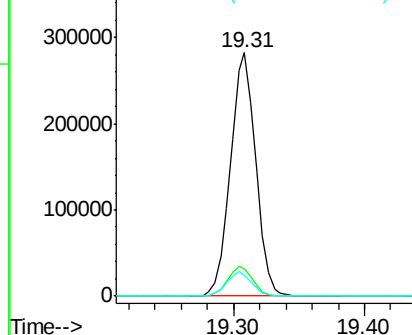
100 8.7 0.0 39.5

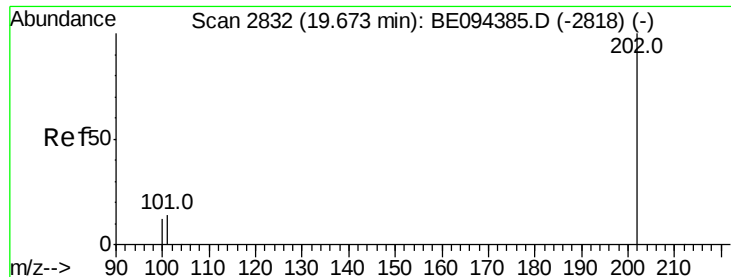


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

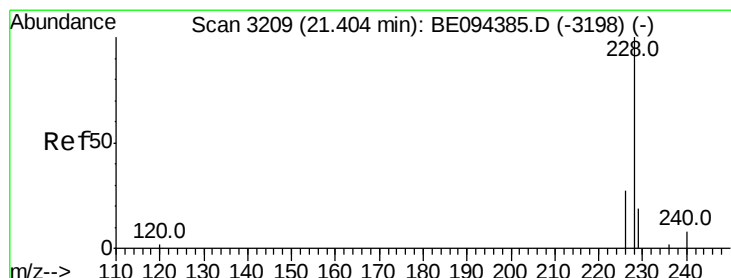
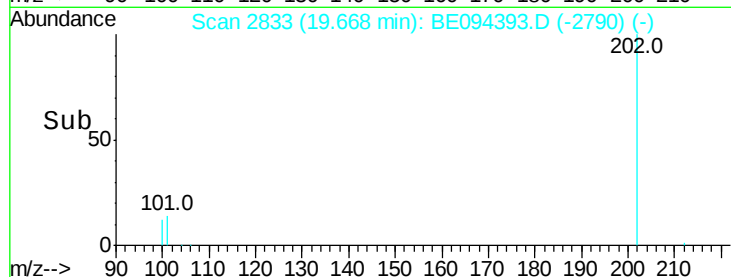
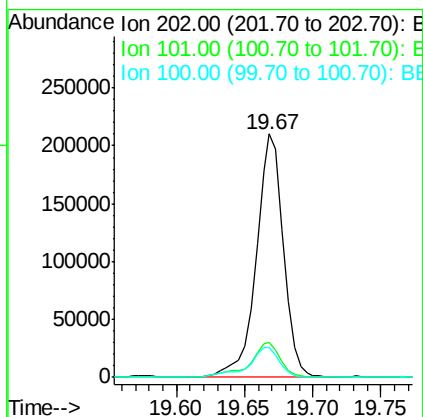
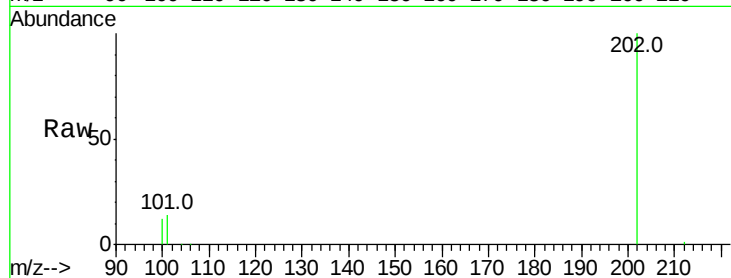




#17
Pvrene
Concen: 6.331 ng/ul
RT: 19.67 min Scan# 2833
Delta R.T. -0.00 min
Lab File: BE094393.D
Acq: 15 Oct 2017 15:04

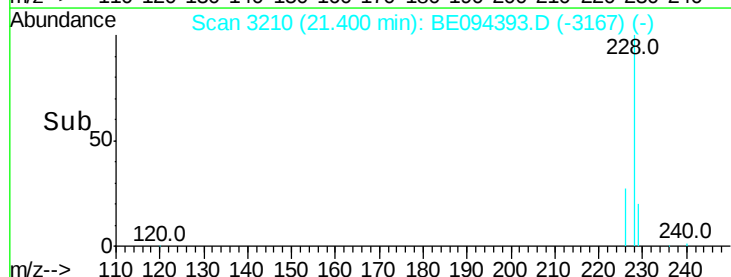
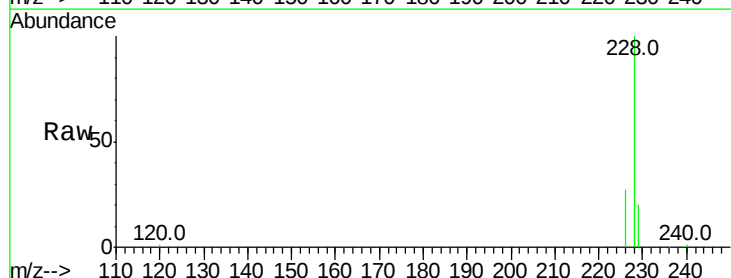
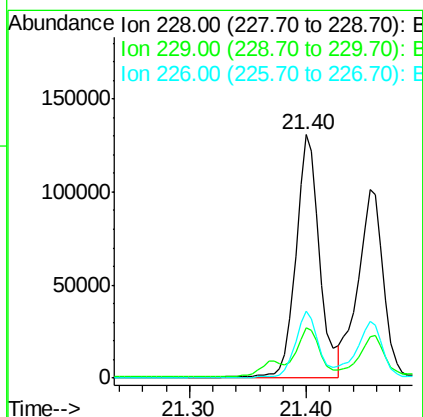
Instrument :
BNA_E
ClientSampleId :

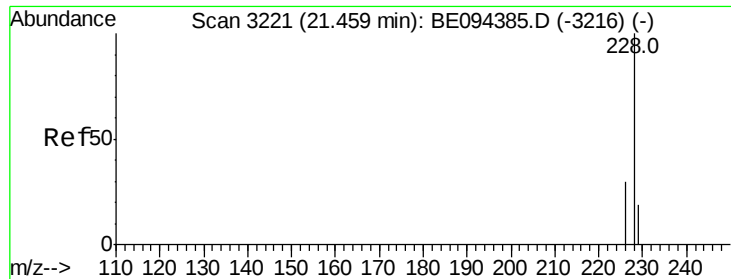
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.2	18.2	27.4#
100	12.3	15.6	23.4#



#18
Benzo(a)anthracene
Concen: 4.194 ng/ul
RT: 21.40 min Scan# 3210
Delta R.T. -0.00 min
Lab File: BE094393.D
Acq: 15 Oct 2017 15:04

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	22.8	34.2#
226	27.3	17.0	25.6#





#19

Chrysene

Concen: 3.027 ng/ul

RT: 21.45 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

Instrument :

BNA_E

ClientSampleId :

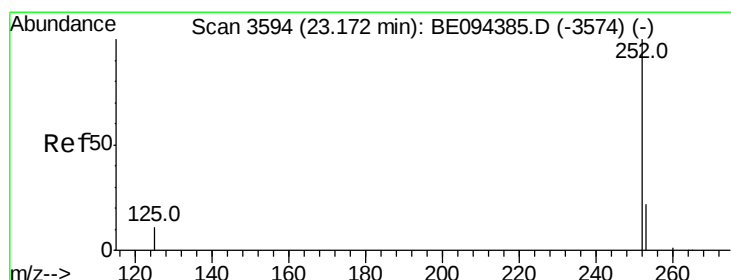
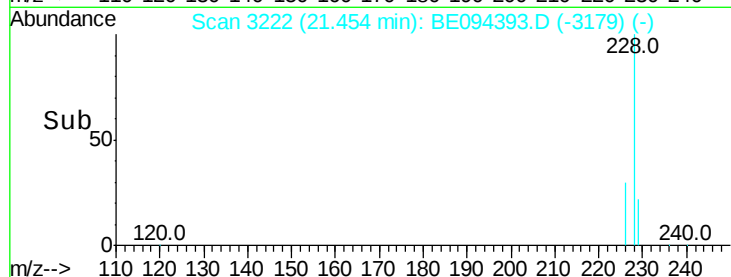
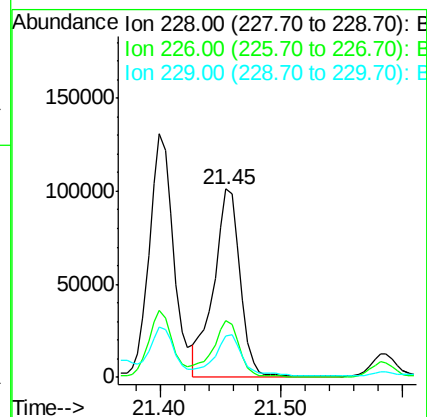
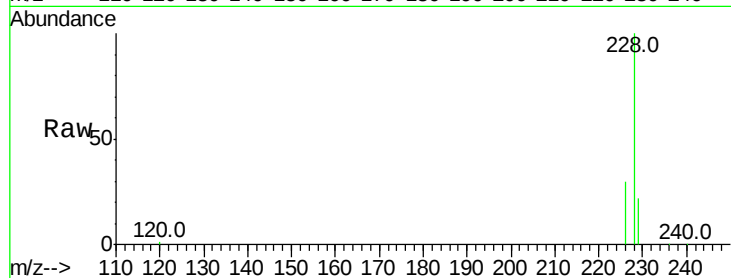
Tot Ion:228 Resp: 152753

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

229 22.2 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 5.977 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.00 min

Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

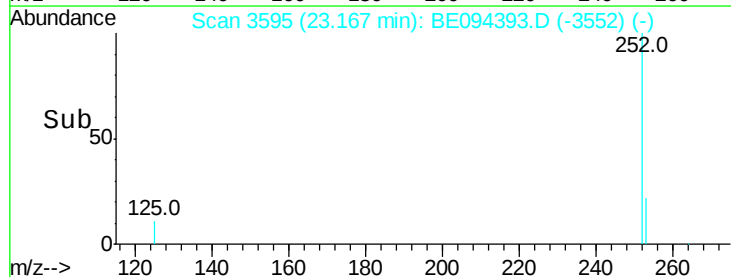
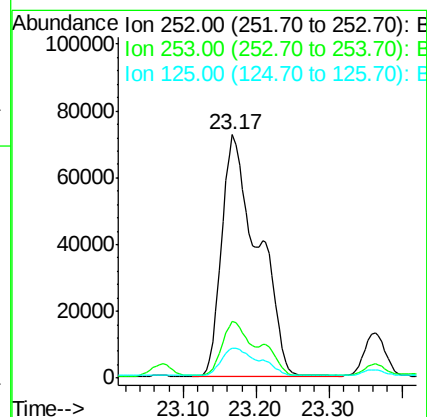
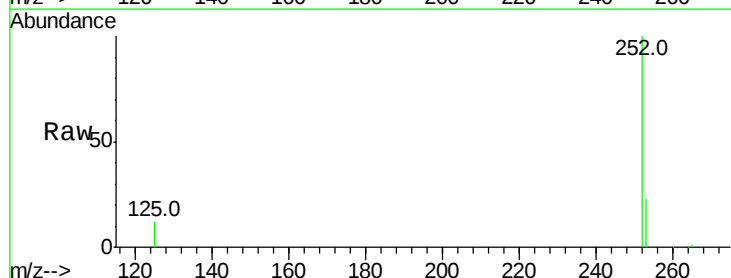
Tgt Ion:252 Resp: 250776

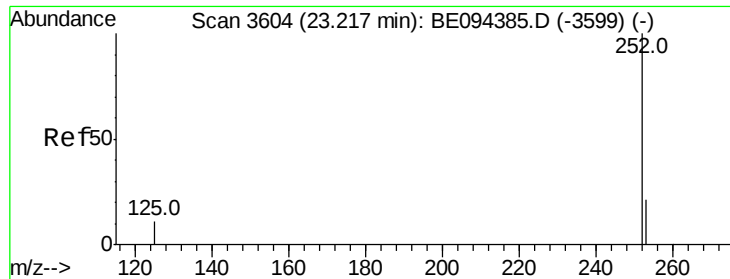
Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

125 12.4 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 5.171 ng/ul

RT: 23.17 min Scan# 3595

Delta R.T. -0.05 min

Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

Instrument :

BNA_E

ClientSampleId :

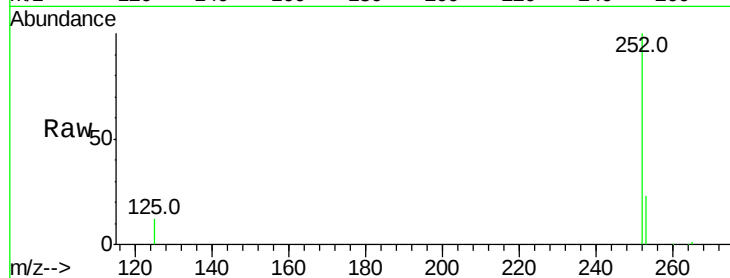
Tot Ion:252 Resp: 250776

Ion Ratio Lower Upper

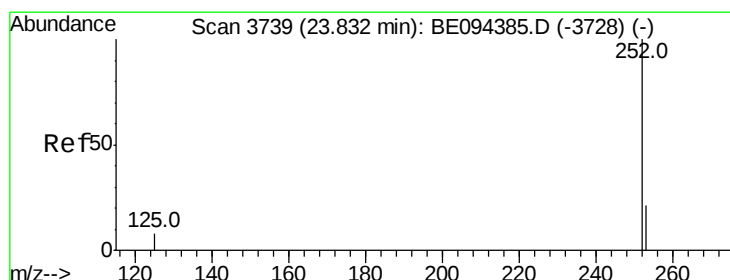
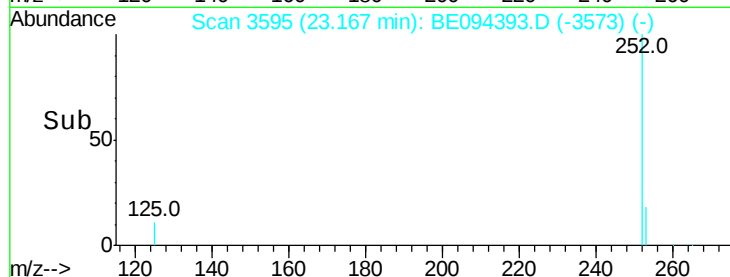
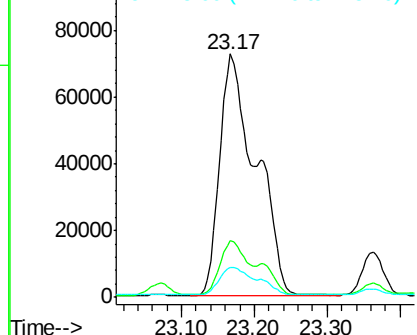
252 100

253 23.1 24.5 36.7#

125 12.4 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: 2.869 ng/ul

RT: 23.83 min Scan# 3740

Delta R.T. -0.00 min

Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

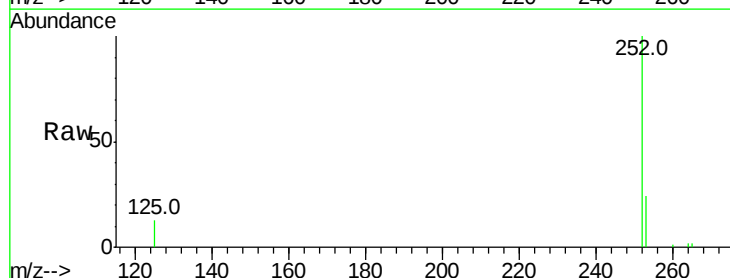
Tgt Ion:252 Resp: 125054

Ion Ratio Lower Upper

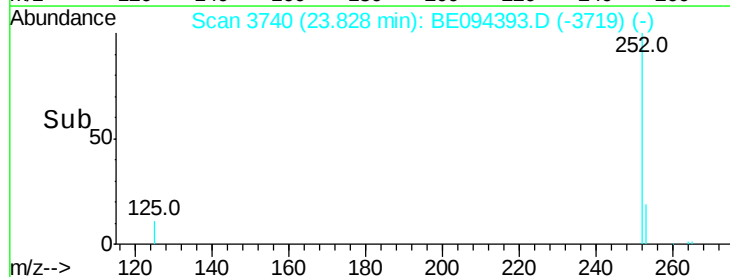
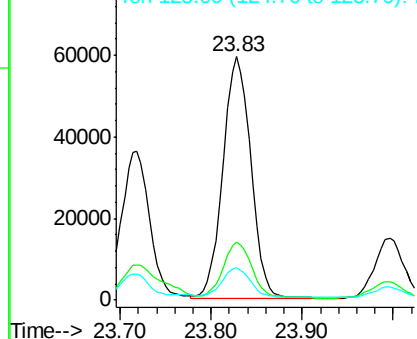
252 100

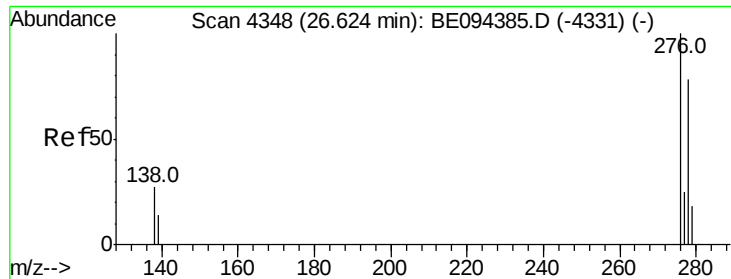
253 23.7 28.5 42.7#

125 13.1 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: 1.713 ng/ul

RT: 26.61 min Scan# 4348

Delta R.T. -0.01 min

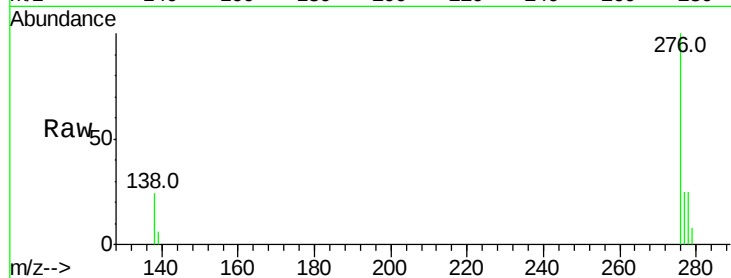
Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

Instrument :

BNA_E

ClientSampleId :



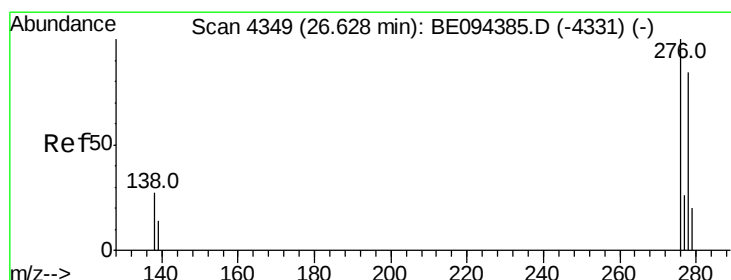
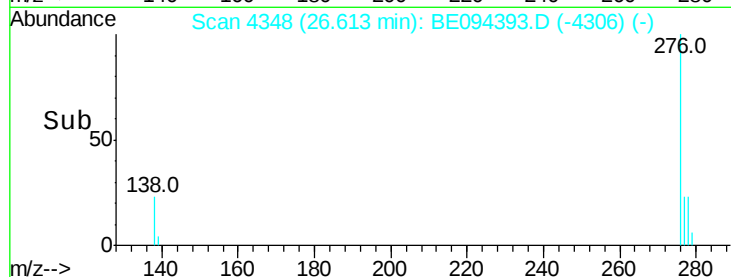
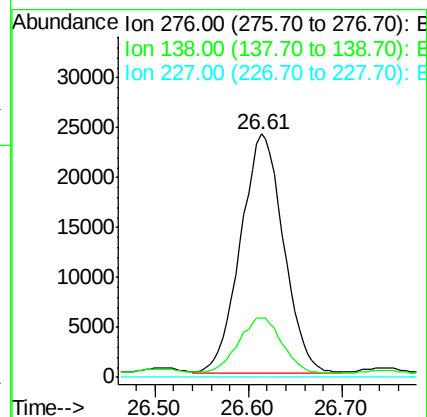
Tot Ion:276 Resp: 76397

Ion Ratio Lower Upper

276 100

138 23.9 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.601 ng/ul

RT: 26.62 min Scan# 4349

Delta R.T. -0.01 min

Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

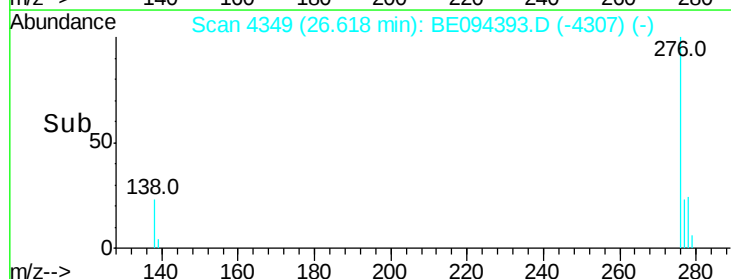
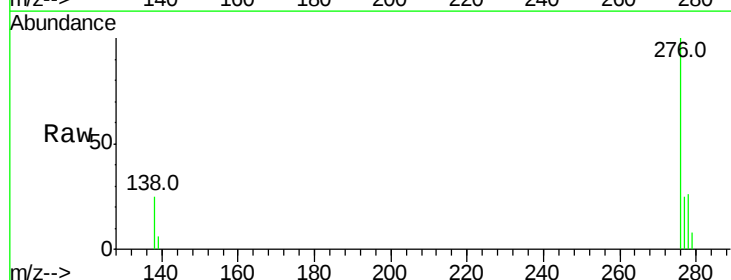
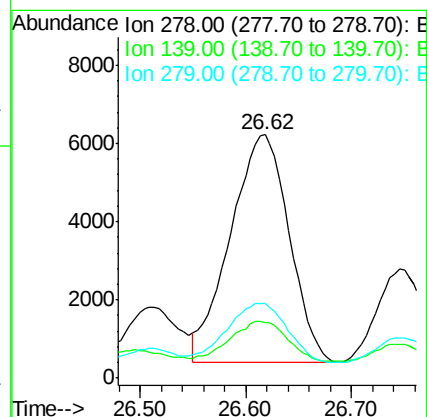
Tgt Ion:278 Resp: 22471

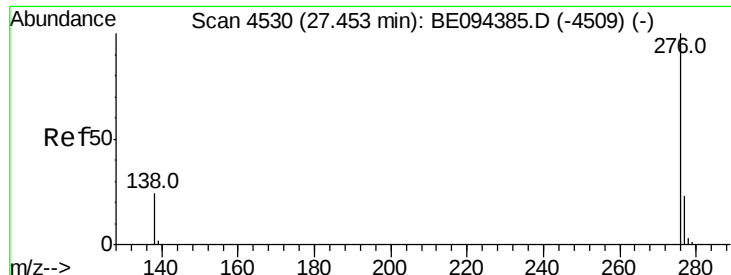
Ion Ratio Lower Upper

278 100

139 23.0 17.4 26.0

279 30.8 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.504 ng/ul

RT: 27.44 min Scan# 4530

Delta R.T. -0.01 min

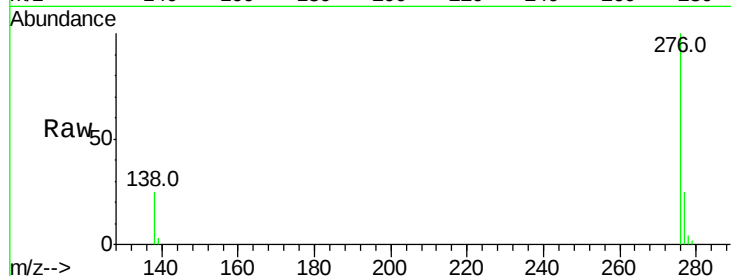
Lab File: BE094393.D

Acq: 15 Oct 2017 15:04

Instrument :

BNA_E

ClientSampleId :



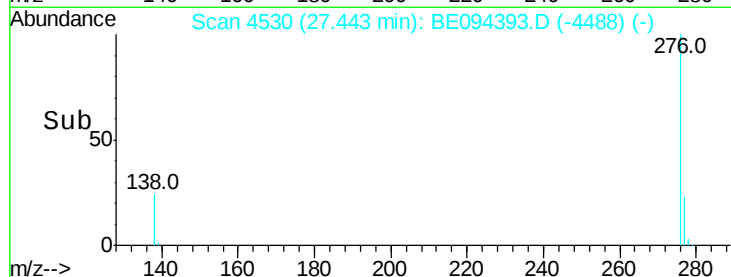
Tot Ion:276 Resp: 57858

Ion Ratio Lower Upper

276 100

138 25.4 21.8 32.8

277 25.0 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

