

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112817\
 Data File : BE094885.D
 Acq On : 28 Nov 2017 15:47
 Operator : SJ/JU
 Sample : I6496-19DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB0DL

Quant Time: Nov 29 01:14:16 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 29 01:10:42 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	532	0.40	ng/ul	-0.04
2) Naphthalene-d8	10.71	136	3507	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	2531	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	6041	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	6179	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	6411	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.34	152	273	0.05	ng/ul	0.04
14) Fluoranthene-d10	19.28	212	917	0.04	ng/ul	-0.01

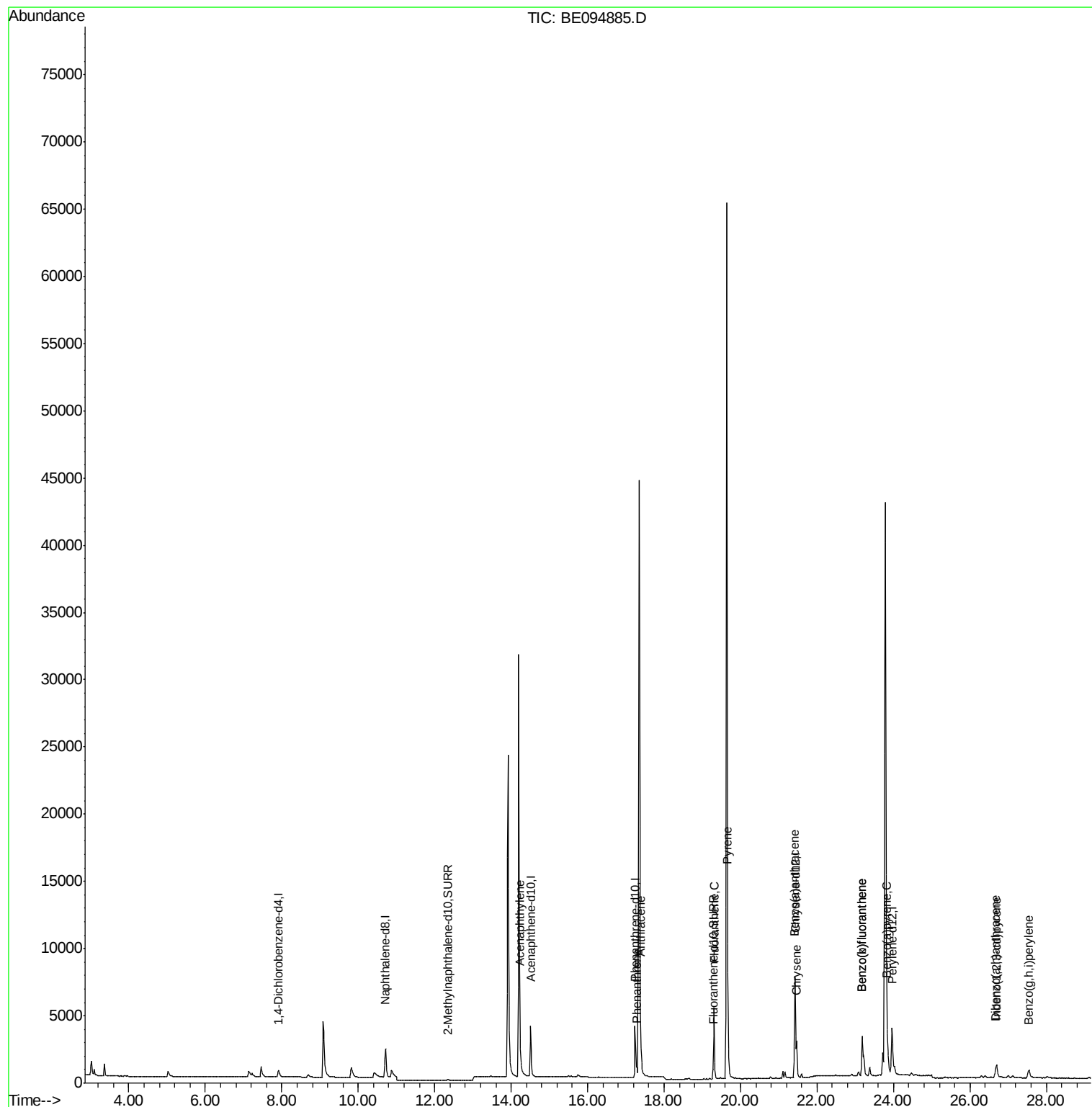
Target Compounds				Ovalue		
7) Acenaphthylene	14.24	152	480	0.04	ng/ul#	68
12) Phenanthrene	17.29	178	942	0.06	ng/ul#	90
13) Anthracene	17.38	178	477	0.03	ng/ul#	63
15) Fluoranthene	19.31	202	6821	0.32	ng/ul	84
17) Pyrene	19.67	202	6739	0.35	ng/ul#	79
18) Benzo(a)anthracene	21.41	228	4593	0.24	ng/ul#	89
19) Chrysene	21.47	228	3347	0.18	ng/ul	95
21) Benzo(b)fluoranthene	23.18	252	7527	0.39	ng/ul	90
22) Benzo(k)fluoranthene	23.18	252	7523	0.37	ng/ul#	91
23) Benzo(a)pyrene	23.84	252	3331	0.18	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	26.70	276	2278	0.11	ng/ul#	71
25) Dibenzo(a,h)anthracene	26.67	278	602	0.03	ng/ul#	58
26) Benzo(g,h,i)perylene	27.54	276	1730	0.10	ng/ul#	88

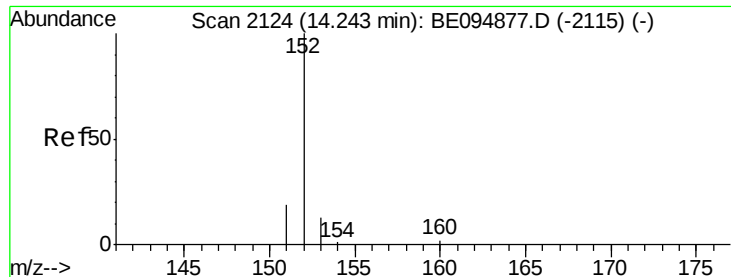
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094885.D

Acq: 28 Nov 2017 15:47

Instrument :

BNA_E

ClientSampleId :

C0AB0DL

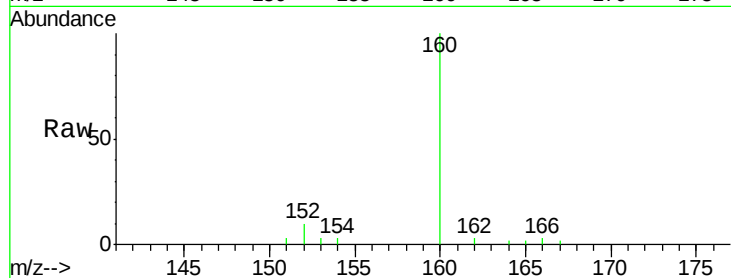
Tot Ion:152 Resp: 480

Ion Ratio Lower Upper

152 100

151 35.2 17.1 25.7#

153 30.8 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

14.24

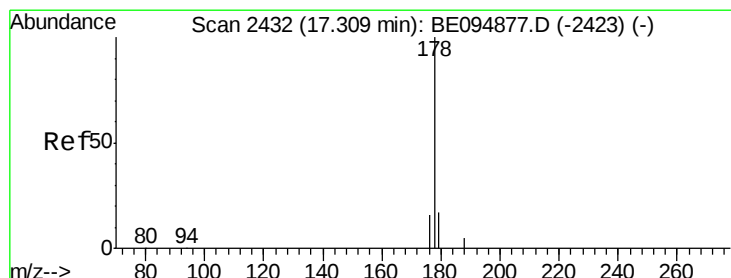
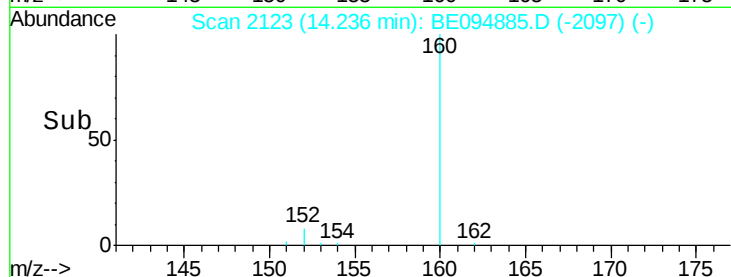
200

100

0

Time-->

14.10 14.20 14.30 14.40



#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094885.D

Acq: 28 Nov 2017 15:47

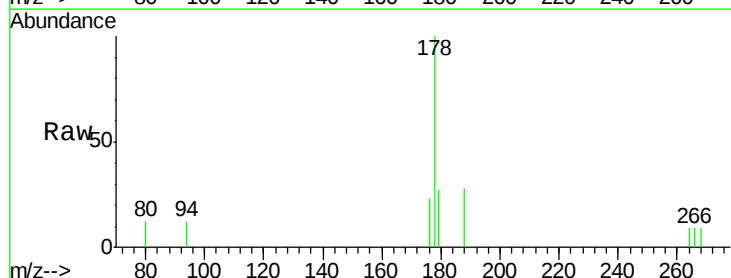
Tgt Ion:178 Resp: 942

Ion Ratio Lower Upper

178 100

179 26.7 18.4 27.6

176 23.0 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

17.29

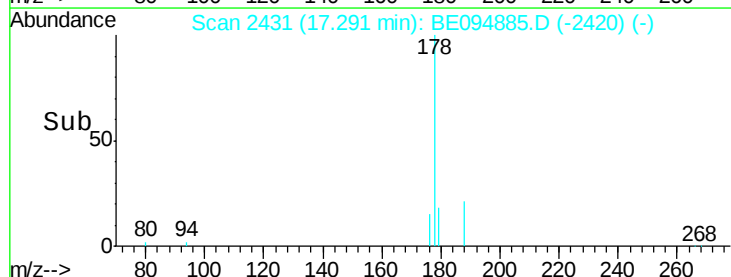
400

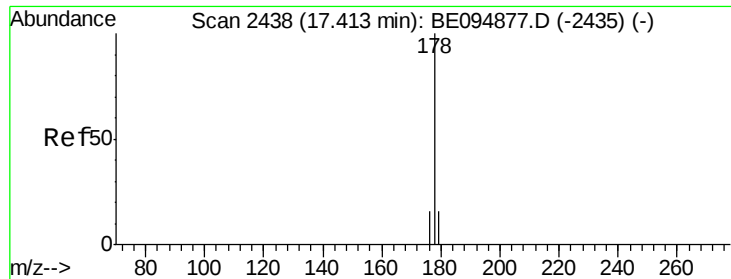
200

0

Time-->

17.20 17.30





#13

Anthracene

Concen: 0.03 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094885.D

Acq: 28 Nov 2017 15:47

Instrument :

BNA_E

ClientSampleId :

C0AB0DL

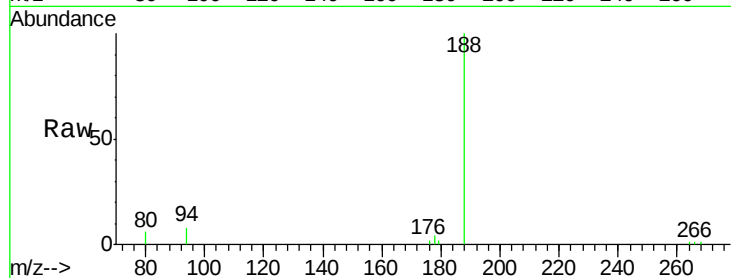
Tot Ion:178 Resp: 477

Ion Ratio Lower Upper

178 100

179 39.2 18.1 27.1#

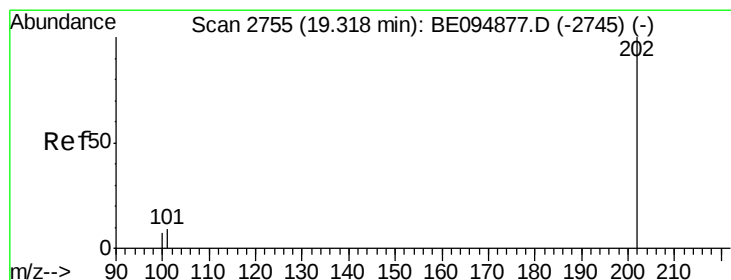
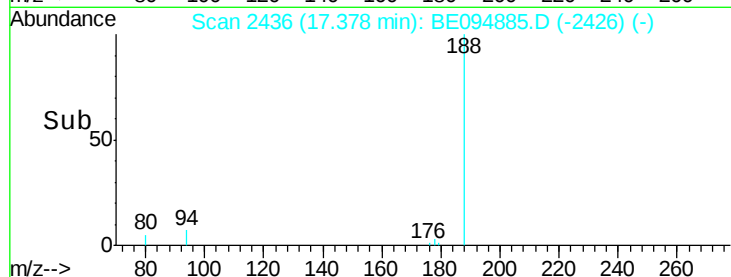
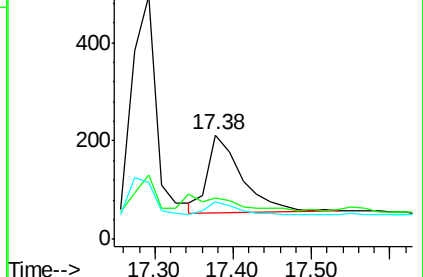
176 35.8 14.7 22.1#



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: 0.32 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094885.D

Acq: 28 Nov 2017 15:47

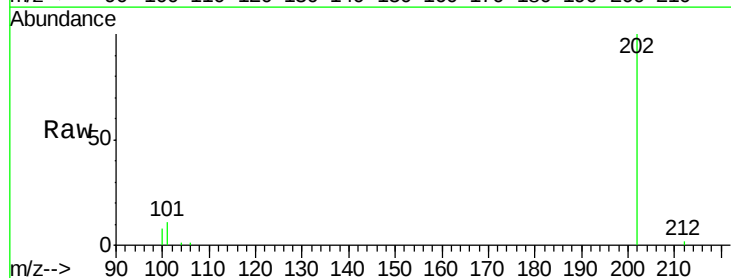
Tgt Ion:202 Resp: 6821

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

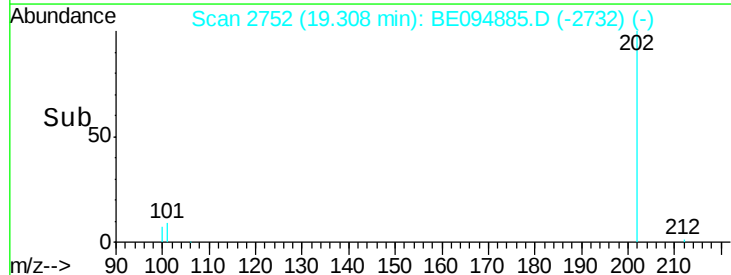
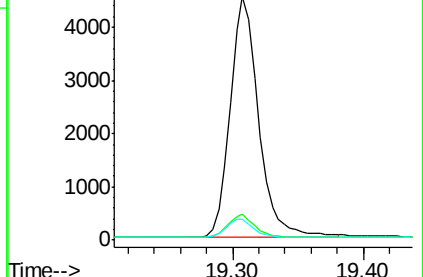
100 8.4 0.0 39.5

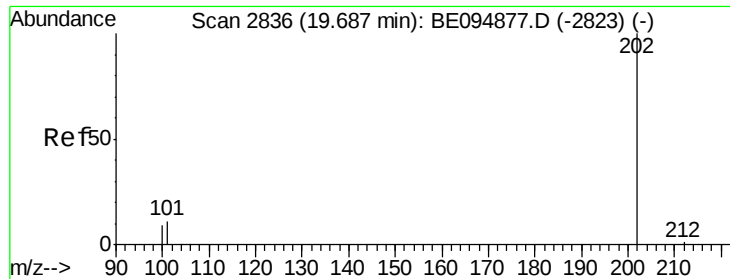


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

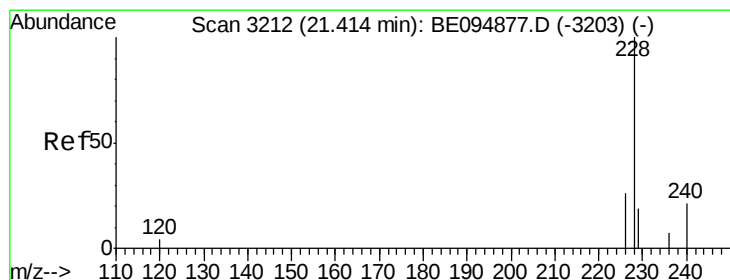
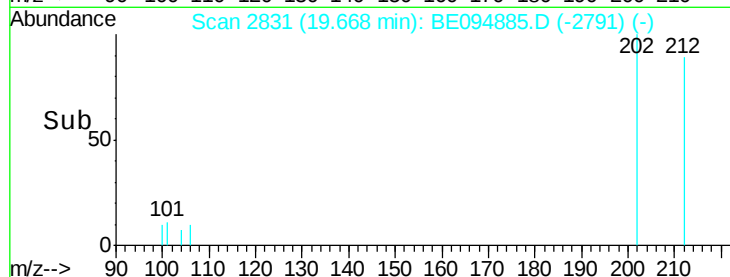
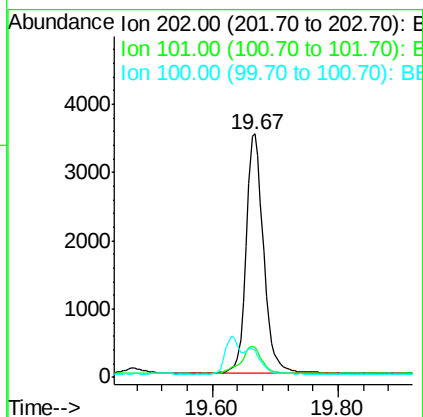
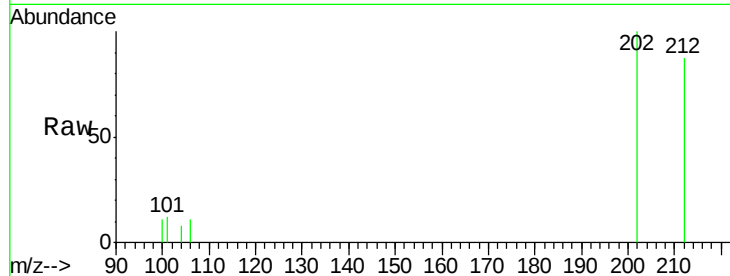




#17
Pvrene
Concen: 0.35 ng/ul
RT: 19.67 min Scan# 2831
Delta R.T. -0.02 min
Lab File: BE094885.D
Acq: 28 Nov 2017 15:47

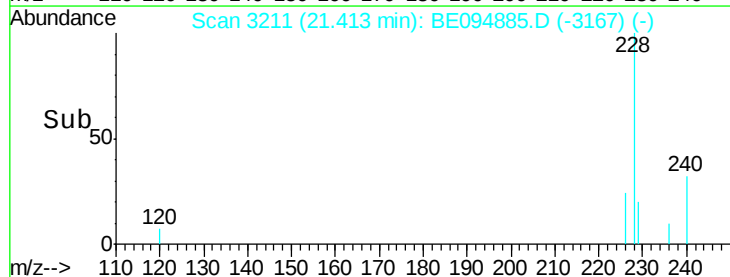
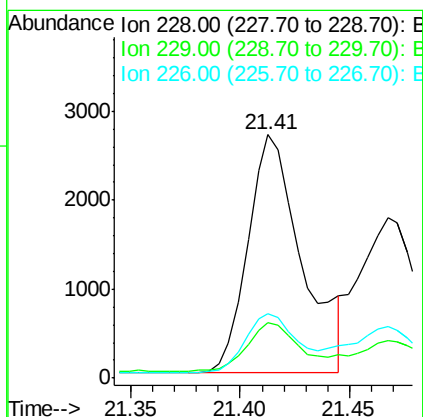
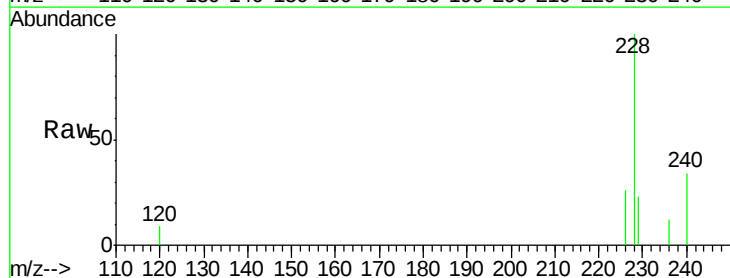
Instrument :
BNA_E
ClientSampleId :
C0AB0DL

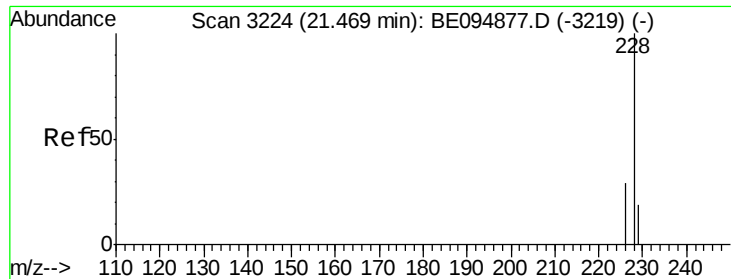
Tot Ion:202 Resp: 6739
Ion Ratio Lower Upper
202 100
101 12.1 18.2 27.4#
100 11.0 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.24 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BE094885.D
Acq: 28 Nov 2017 15:47

Tgt Ion:228 Resp: 4593
Ion Ratio Lower Upper
228 100
229 22.6 22.8 34.2#
226 26.3 17.0 25.6#





#19

Chrysene

Concen: 0.18 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094885.D

Acq: 28 Nov 2017 15:47

Instrument :

BNA_E

ClientSampleId :

C0AB0DL

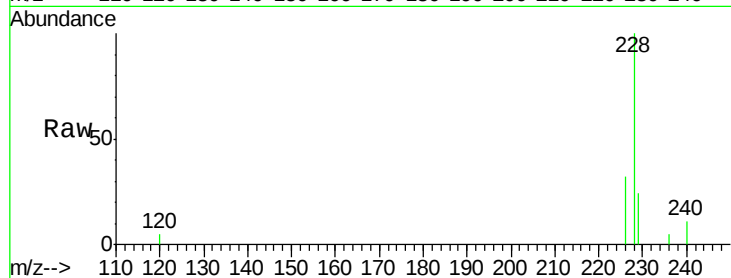
Tot Ion:228 Resp: 3347

Ion Ratio Lower Upper

228 100

226 32.4 23.4 35.0

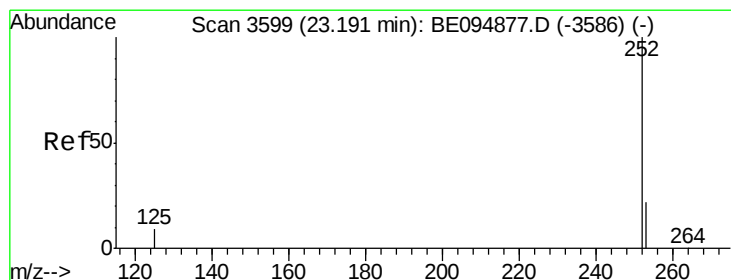
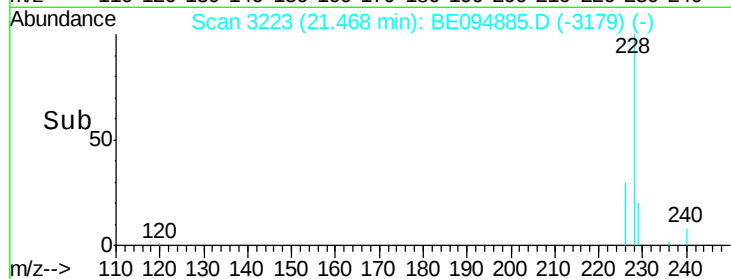
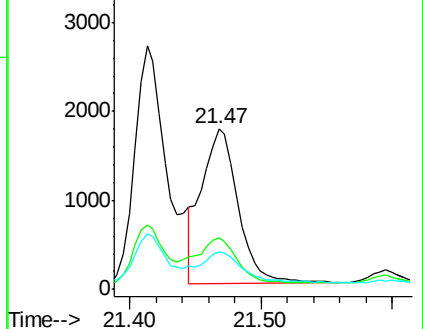
229 23.6 17.7 26.5



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: 0.39 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.01 min

Lab File: BE094885.D

Acq: 28 Nov 2017 15:47

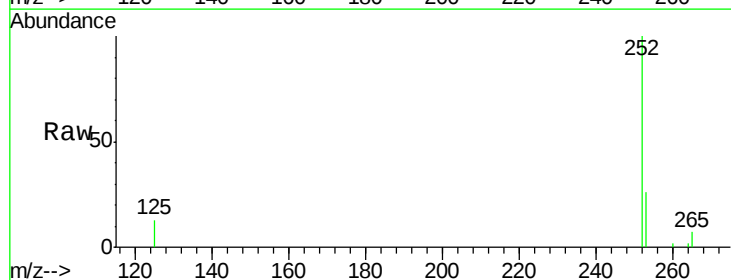
Tgt Ion:252 Resp: 7527

Ion Ratio Lower Upper

252 100

253 25.9 0.0 64.2

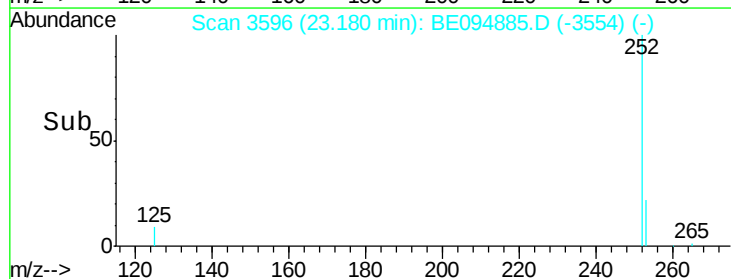
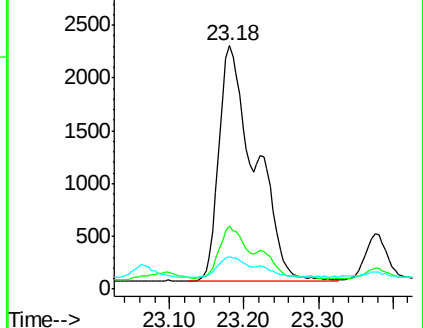
125 13.4 0.0 35.0

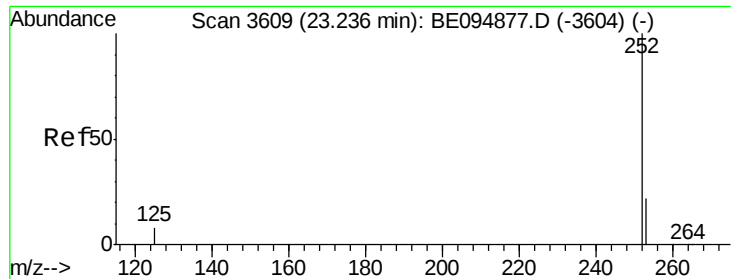


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.06 min

Lab File: BE094885.D

Acq: 28 Nov 2017 15:47

Instrument :

BNA_E

ClientSampleId :

C0AB0DL

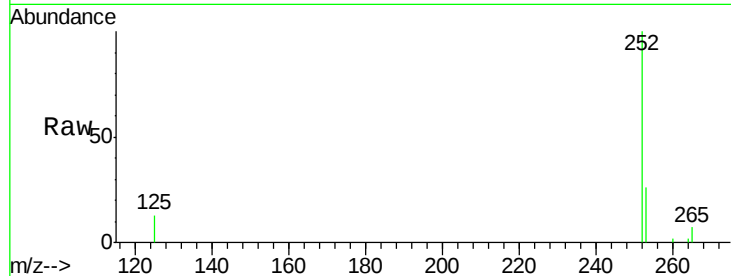
Tot Ion:252 Resp: 7523

Ion Ratio Lower Upper

252 100

253 25.9 24.5 36.7

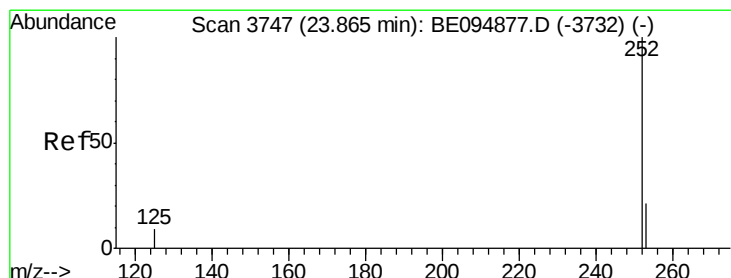
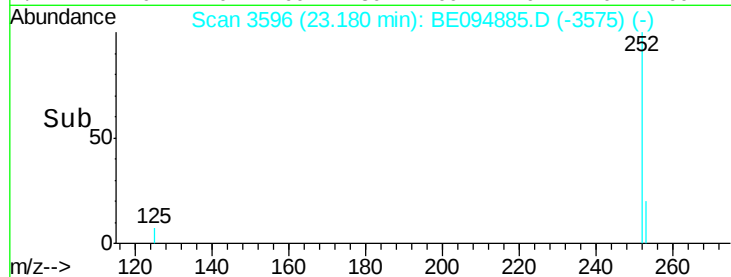
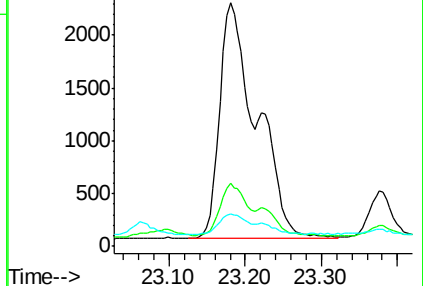
125 13.4 13.7 20.5#



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: 0.18 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.02 min

Lab File: BE094885.D

Acq: 28 Nov 2017 15:47

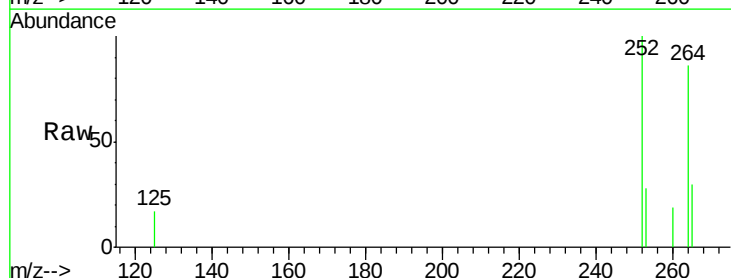
Tgt Ion:252 Resp: 3331

Ion Ratio Lower Upper

252 100

253 28.1 28.5 42.7#

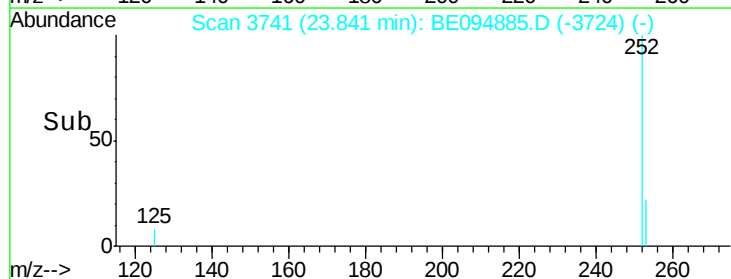
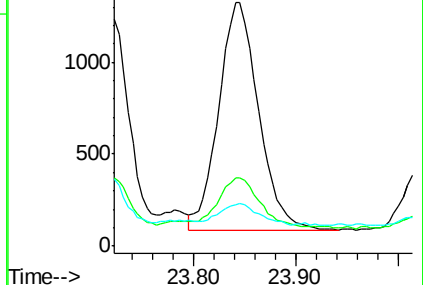
125 16.9 18.1 27.1#

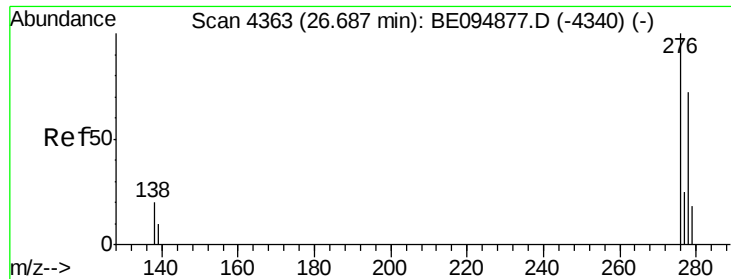


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

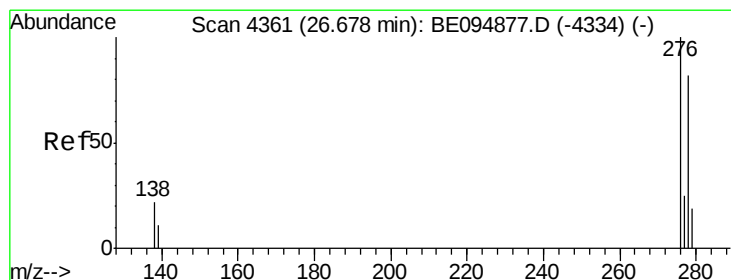
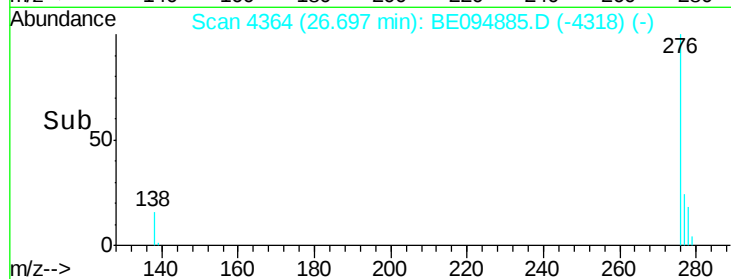
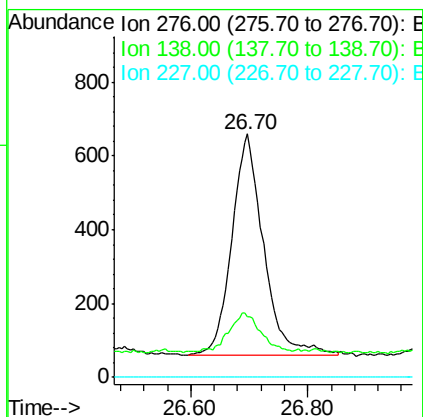
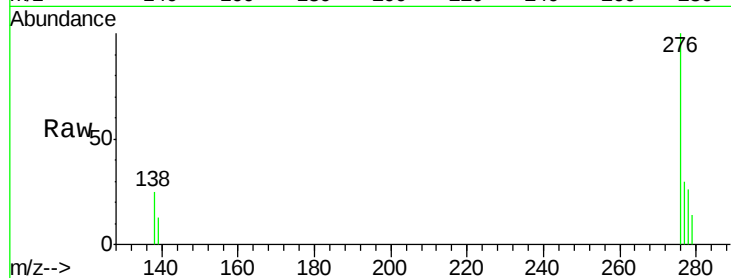




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.11 ng/ul
 RT: 26.70 min Scan# 4364
 Delta R.T. 0.01 min
 Lab File: BE094885.D
 Acq: 28 Nov 2017 15:47

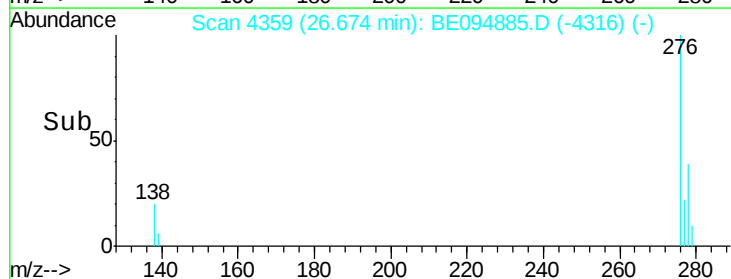
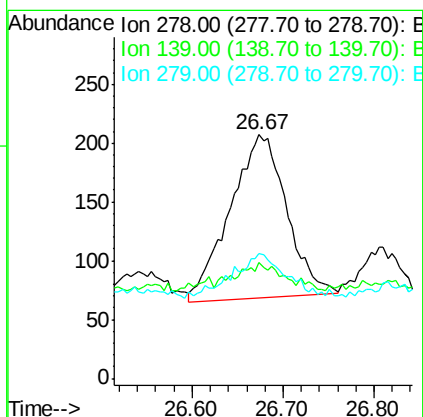
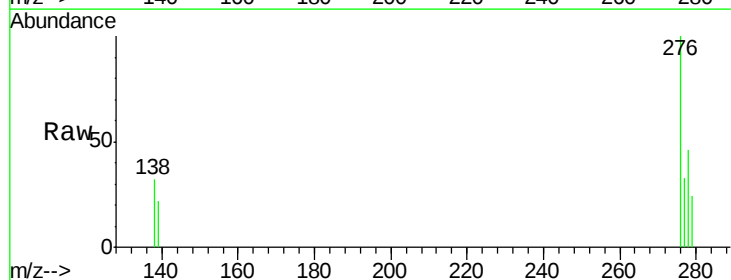
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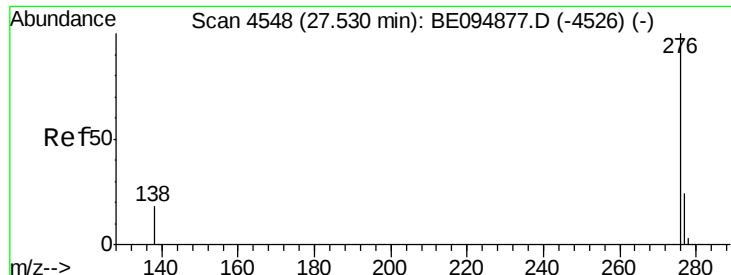
Tot Ion:276 Resp: 2278
 Ion Ratio Lower Upper
 276 100
 138 17.7 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.03 ng/ul
 RT: 26.67 min Scan# 4359
 Delta R.T. -0.00 min
 Lab File: BE094885.D
 Acq: 28 Nov 2017 15:47

Tgt Ion:278 Resp: 602
 Ion Ratio Lower Upper
 278 100
 139 47.3 17.4 26.0#
 279 51.2 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.10 ng/ul

RT: 27.54 min Scan# 4549

Delta R.T. 0.01 min

Lab File: BE094885.D

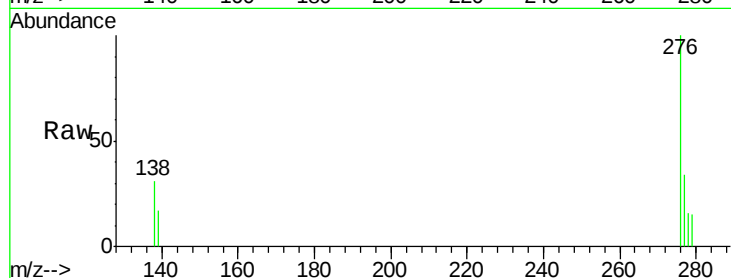
Acq: 28 Nov 2017 15:47

Instrument :

BNA_E

ClientSampleId :

C0AB0DL



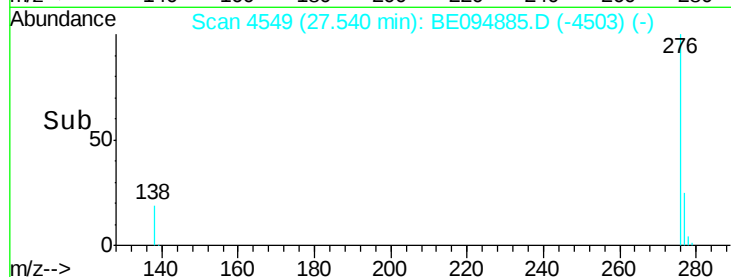
Tot Ion: 276 Resp: 1730

Ion Ratio Lower Upper

276 100

138 30.8 21.8 32.8

277 34.5 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

