

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092017\
 Data File : BE094054.D
 Acq On : 21 Sep 2017 4:50
 Operator : SJ/JU
 Sample : I5283-22 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CB3C5

Quant Time: Sep 21 07:30:36 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 21 07:18:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1227	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6071	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3831	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10277	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	12754	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	12228	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.30	152	101	0.01	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	316	0.01	ng/ul	-0.01

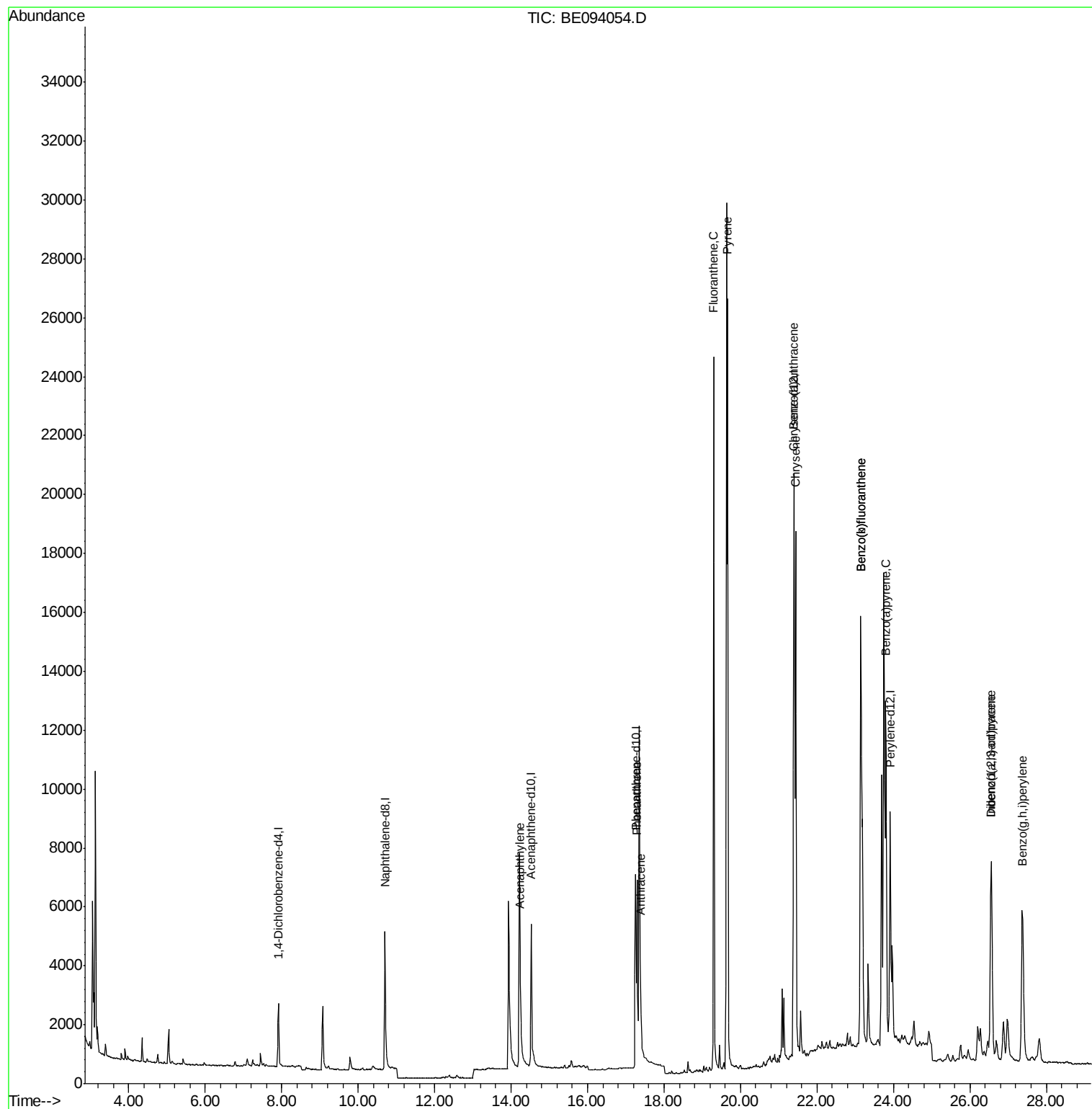
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	14.24	152	1464	0.098	ng/ul	93
12) Phenanthrene	17.29	178	7888	0.294	ng/ul#	89
13) Anthracene	17.38	178	1634	0.063	ng/ul#	92
15) Fluoranthene	19.30	202	28996	0.822	ng/ul	84
17) Pyrene	19.66	202	29752	0.838	ng/ul#	80
18) Benzo(a)anthracene	21.39	228	17202	0.508	ng/ul#	85
19) Chrysene	21.45	228	20829	0.533	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	38258	1.152	ng/ul	87
22) Benzo(k)fluoranthene	23.14	252	38258	0.996	ng/ul#	89
23) Benzo(a)pyrene	23.80	252	18365	0.532	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.56	276	13618	0.386	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.56	278	3267	0.110	ng/ul#	89
26) Benzo(g,h,i)perylene	27.38	276	13200	0.433	ng/ul	99

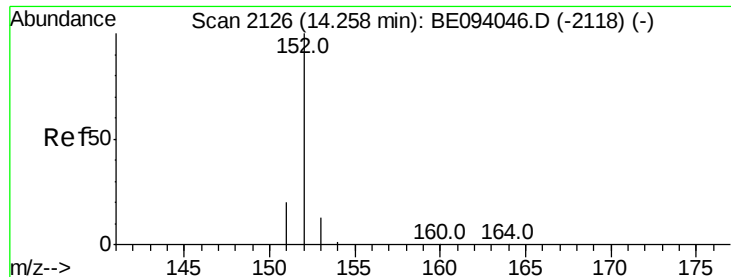
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.098 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

Instrument :

BNA_E

ClientSampleId :

CB3C5

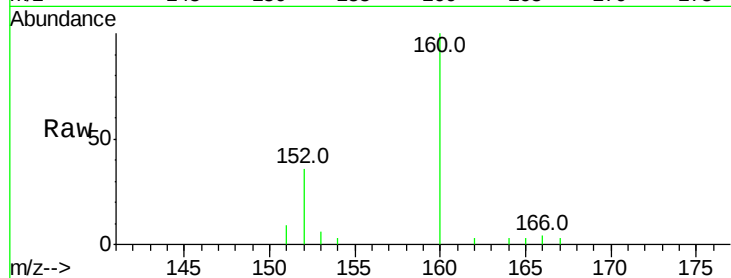
Tot Ion:152 Resp: 1464

Ion Ratio Lower Upper

152 100

151 25.5 17.1 25.7

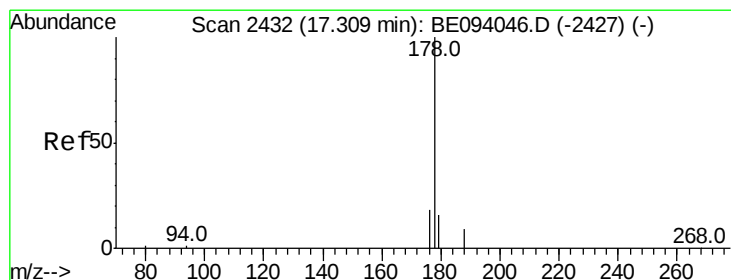
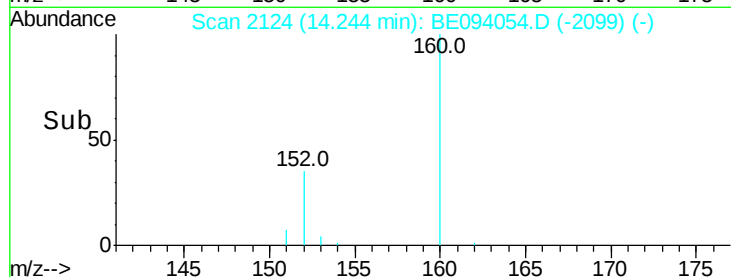
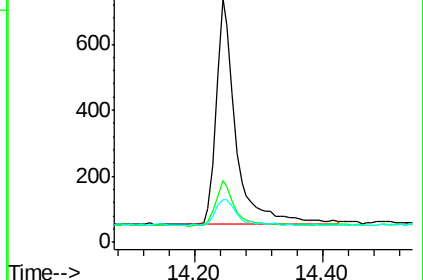
153 17.8 12.8 19.2



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



#12

Phenanthrene

Concen: 0.294 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

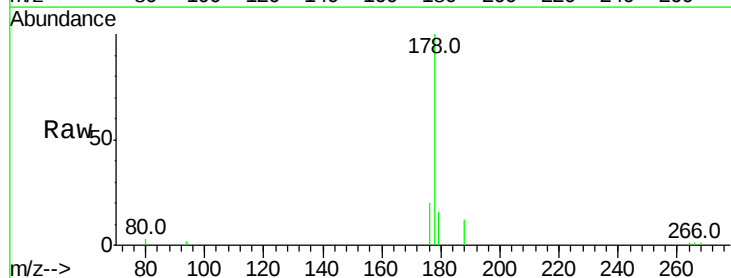
Tgt Ion:178 Resp: 7888

Ion Ratio Lower Upper

178 100

179 16.0 18.4 27.6#

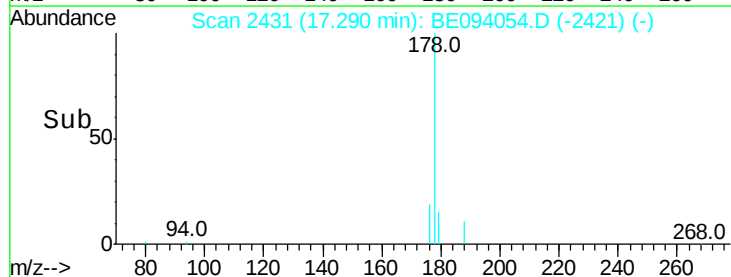
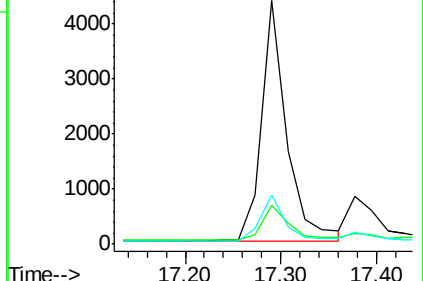
176 20.2 13.6 20.4

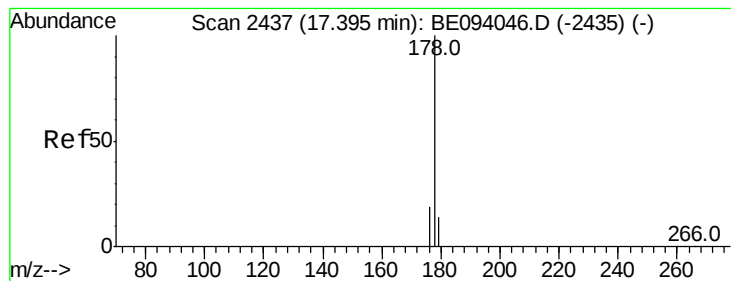


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.063 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

Instrument :

BNA_E

ClientSampleId :

CB3C5

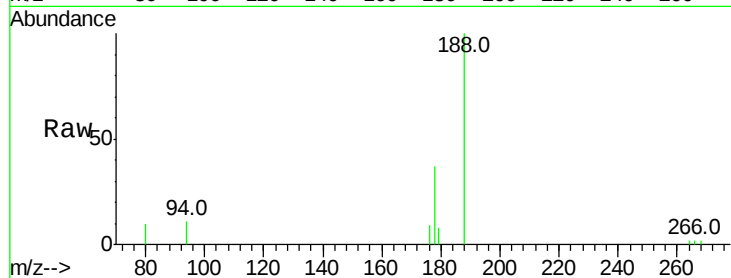
Tot Ion:178 Resp: 1634

Ion Ratio Lower Upper

178 100

179 21.6 18.1 27.1

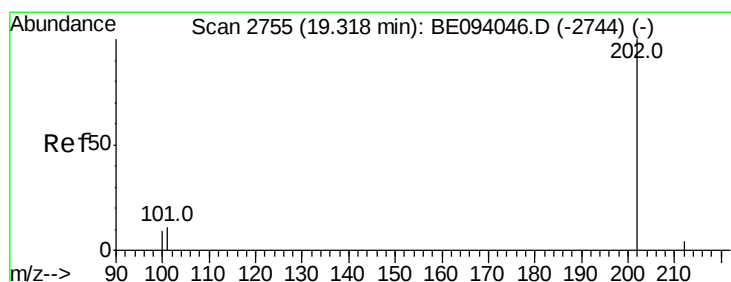
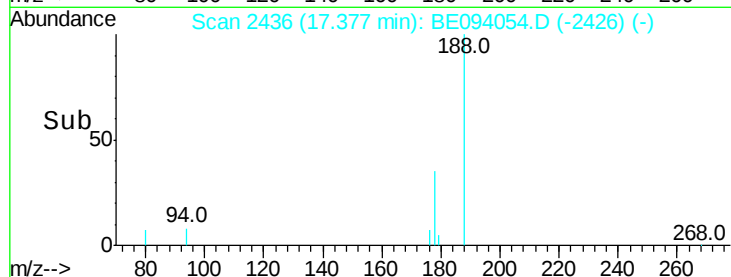
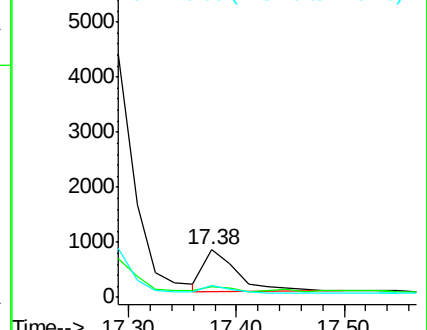
176 25.2 14.7 22.1#



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: 0.822 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

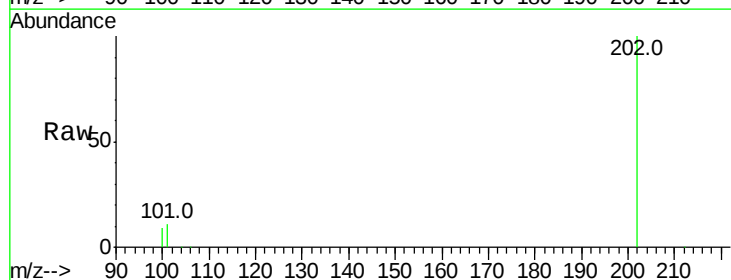
Tgt Ion:202 Resp: 28996

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

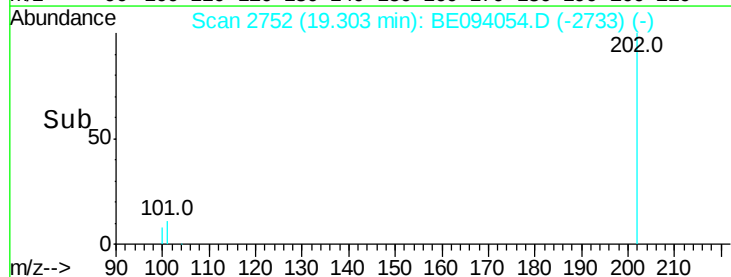
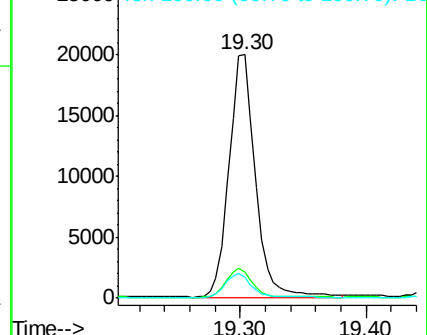
100 8.6 0.0 39.5

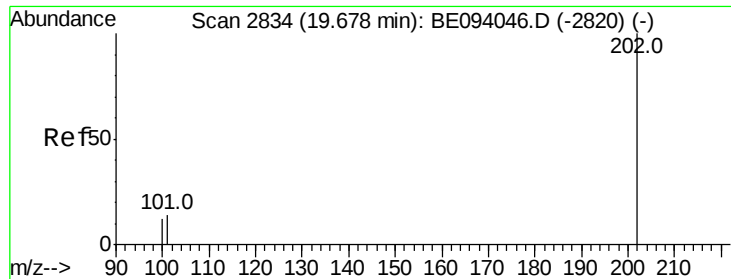


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.838 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

Instrument :

BNA_E

ClientSampleId :

CB3C5

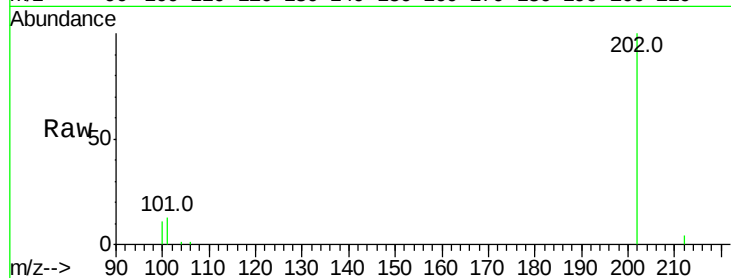
Tot Ion:202 Resp: 29752

Ion Ratio Lower Upper

202 100

101 12.9 18.2 27.4#

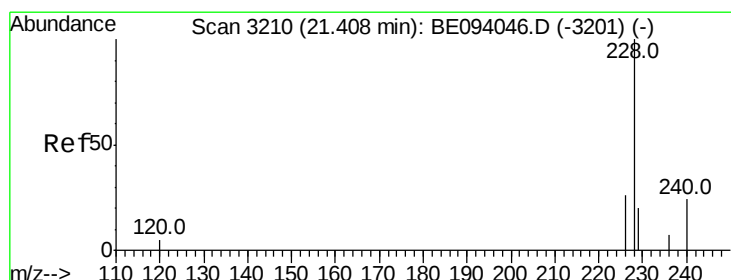
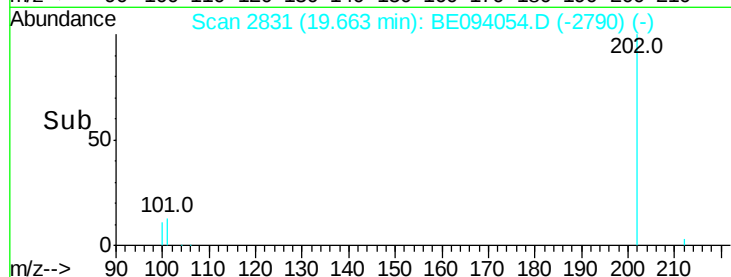
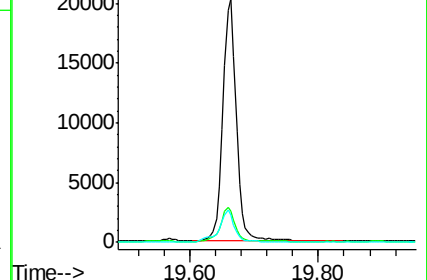
100 11.0 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 0.508 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

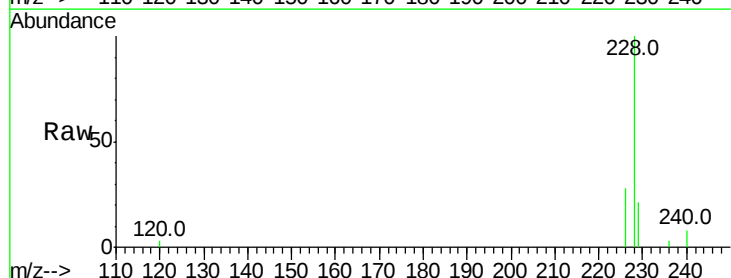
Tgt Ion:228 Resp: 17202

Ion Ratio Lower Upper

228 100

229 21.0 22.8 34.2#

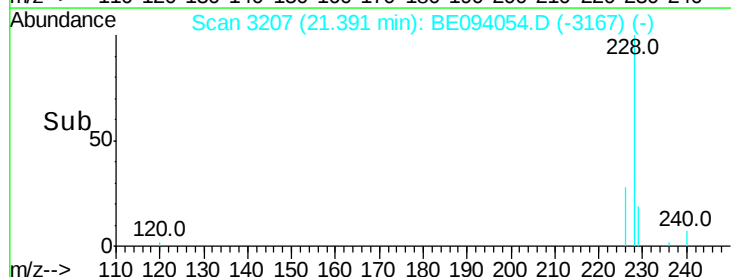
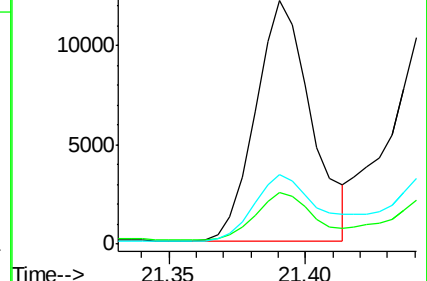
226 28.5 17.0 25.6#

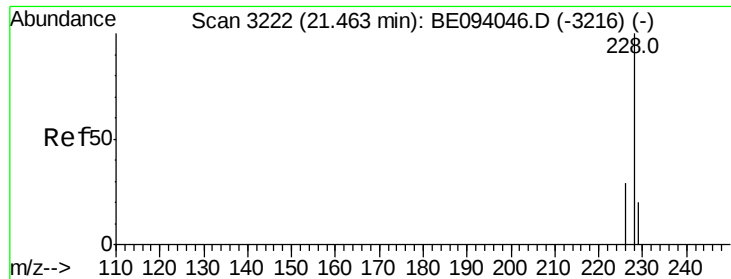


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.533 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

Instrument :

BNA_E

ClientSampleId :

CB3C5

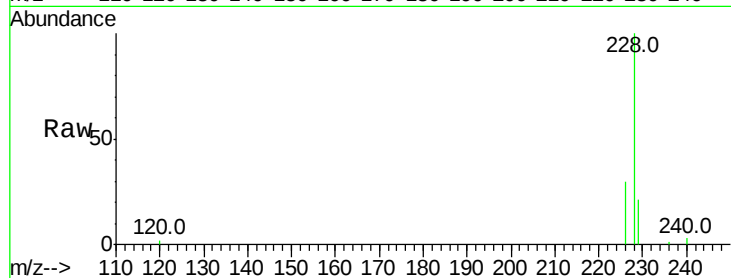
Tot Ion:228 Resp: 20829

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

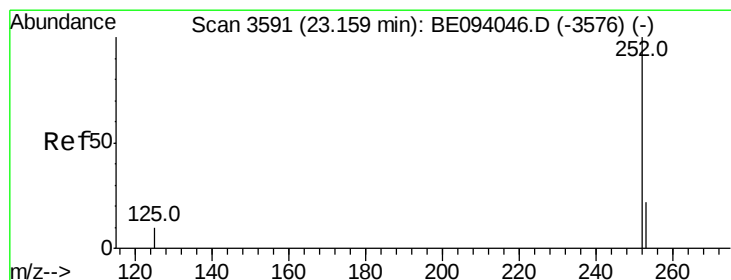
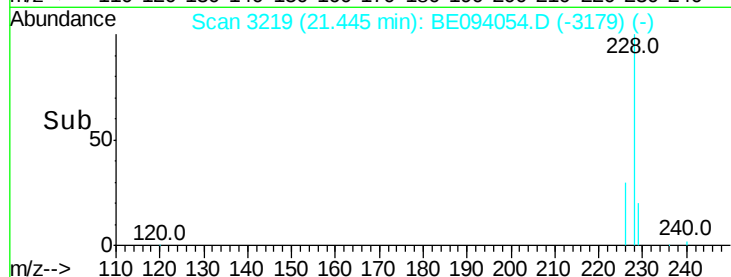
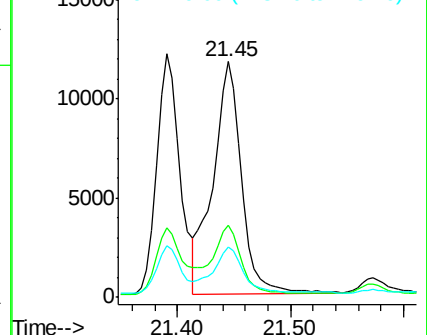
229 21.3 17.7 26.5



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: 1.152 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

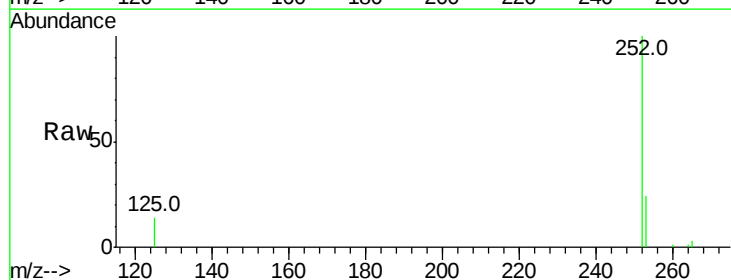
Tgt Ion:252 Resp: 38258

Ion Ratio Lower Upper

252 100

253 23.6 0.0 64.2

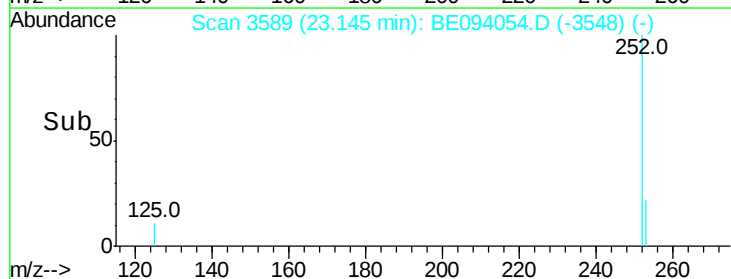
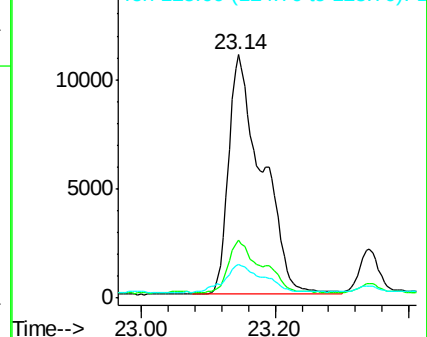
125 13.6 0.0 35.0

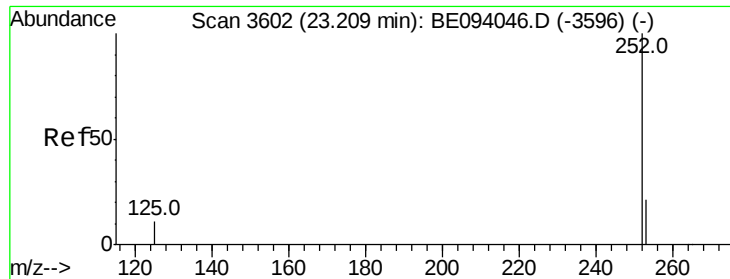


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.996 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.06 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

Instrument :

BNA_E

ClientSampleId :

CB3C5

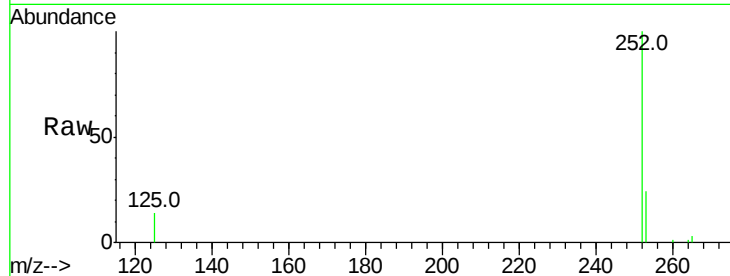
Tot Ion:252 Resp: 38258

Ion Ratio Lower Upper

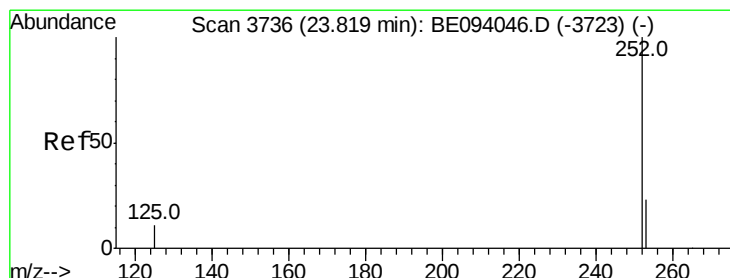
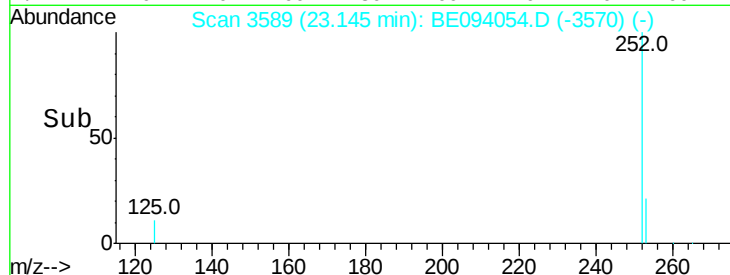
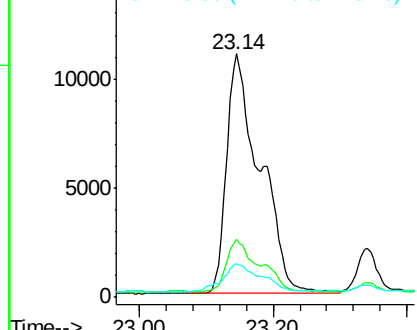
252 100

253 23.6 24.5 36.7#

125 13.6 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: 0.532 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

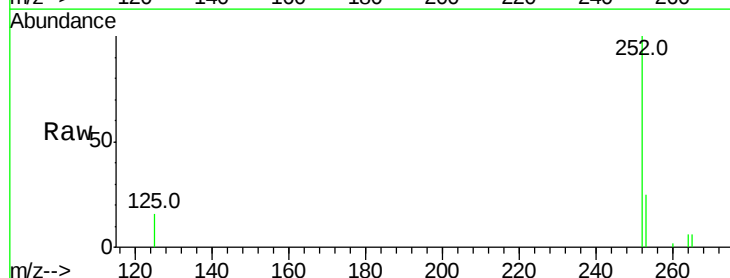
Tgt Ion:252 Resp: 18365

Ion Ratio Lower Upper

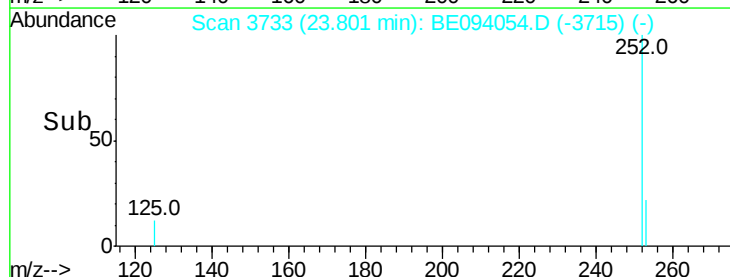
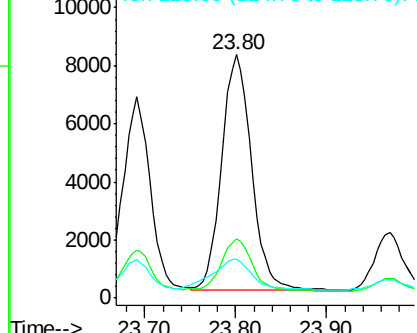
252 100

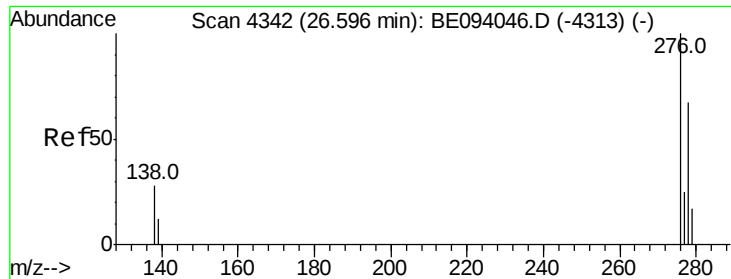
253 24.5 28.5 42.7#

125 15.9 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: 0.386 ng/ul

RT: 26.56 min Scan# 4335

Delta R.T. -0.04 min

Lab File: BE094054.D

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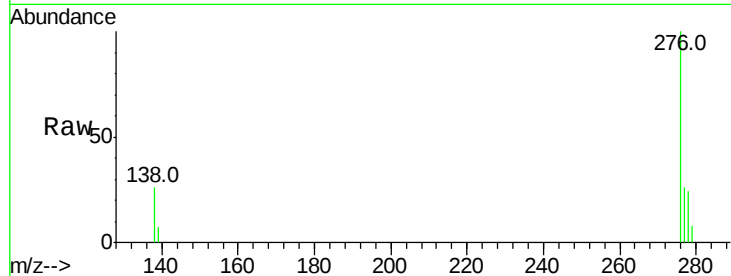
Tot Ion:276 Resp: 13618

Ion Ratio Lower Upper

276 100

138 23.3 28.0 42.0#

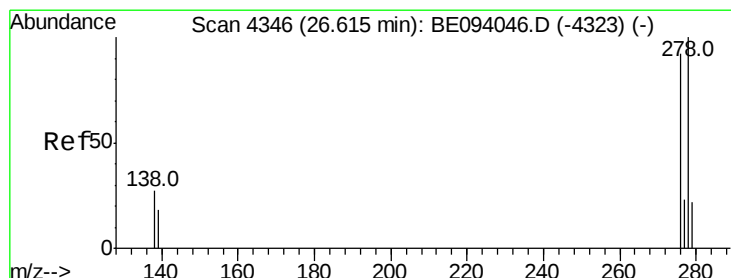
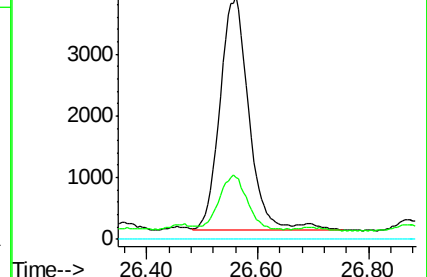
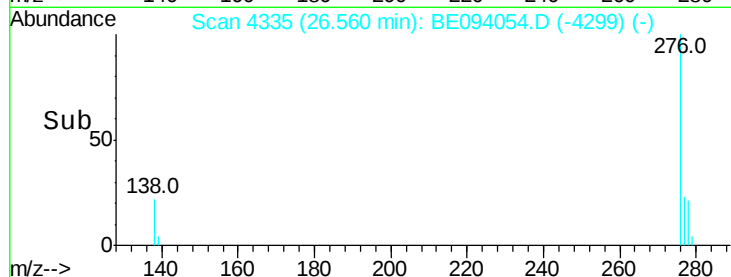
227 0.0 8.0 12.0#



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: 0.110 ng/ul

RT: 26.56 min Scan# 4336

Delta R.T. -0.05 min

Lab File: BE094054.D

Acq: 21 Sep 2017 4:50

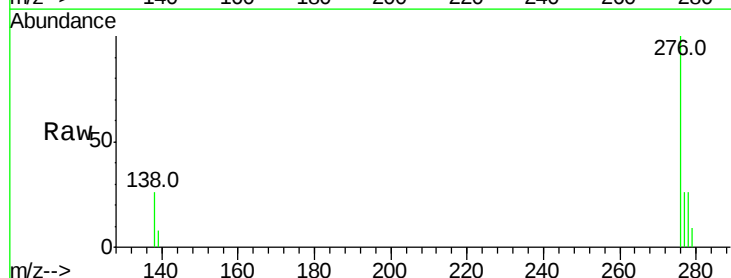
Tgt Ion:278 Resp: 3267

Ion Ratio Lower Upper

278 100

139 31.6 17.4 26.0#

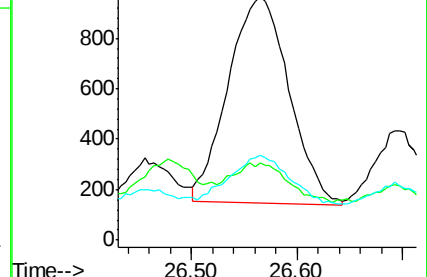
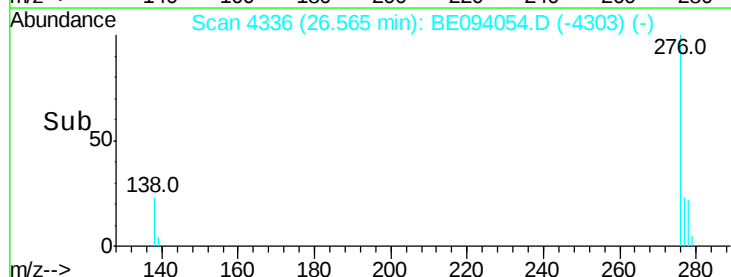
279 34.6 25.9 38.9

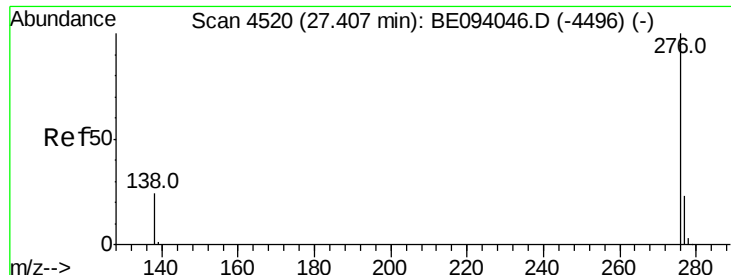


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.433 ng/ul

RT: 27.38 min Scan# 4514

Delta R.T. -0.03 min

Lab File: BE094054.D

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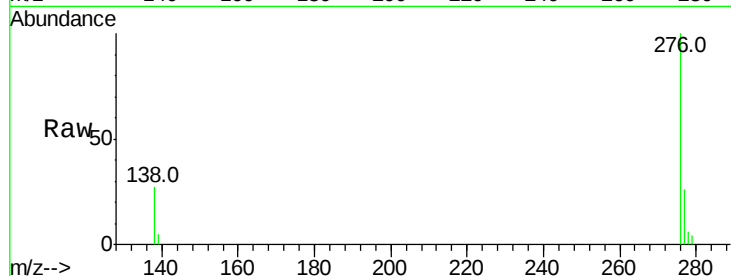
Tot Ion:276 Resp: 13200

Ion Ratio Lower Upper

276 100

138 26.5 21.8 32.8

277 25.8 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

