

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094713.D
 Acq On : 3 Nov 2017 18:31
 Operator : SJ/JU
 Sample : I5825-11 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-5

Quant Time: Nov 04 00:00:19 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 23:54:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1569	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	9080	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.51	164	5116	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	10939	0.40	ng/ul	-0.03
16) Chrysene-d12	21.42	240	10739	0.40	ng/ul	-0.02
20) Perylene-d12	23.95	264	11426	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	703	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1649	0.05	ng/ul	-0.02

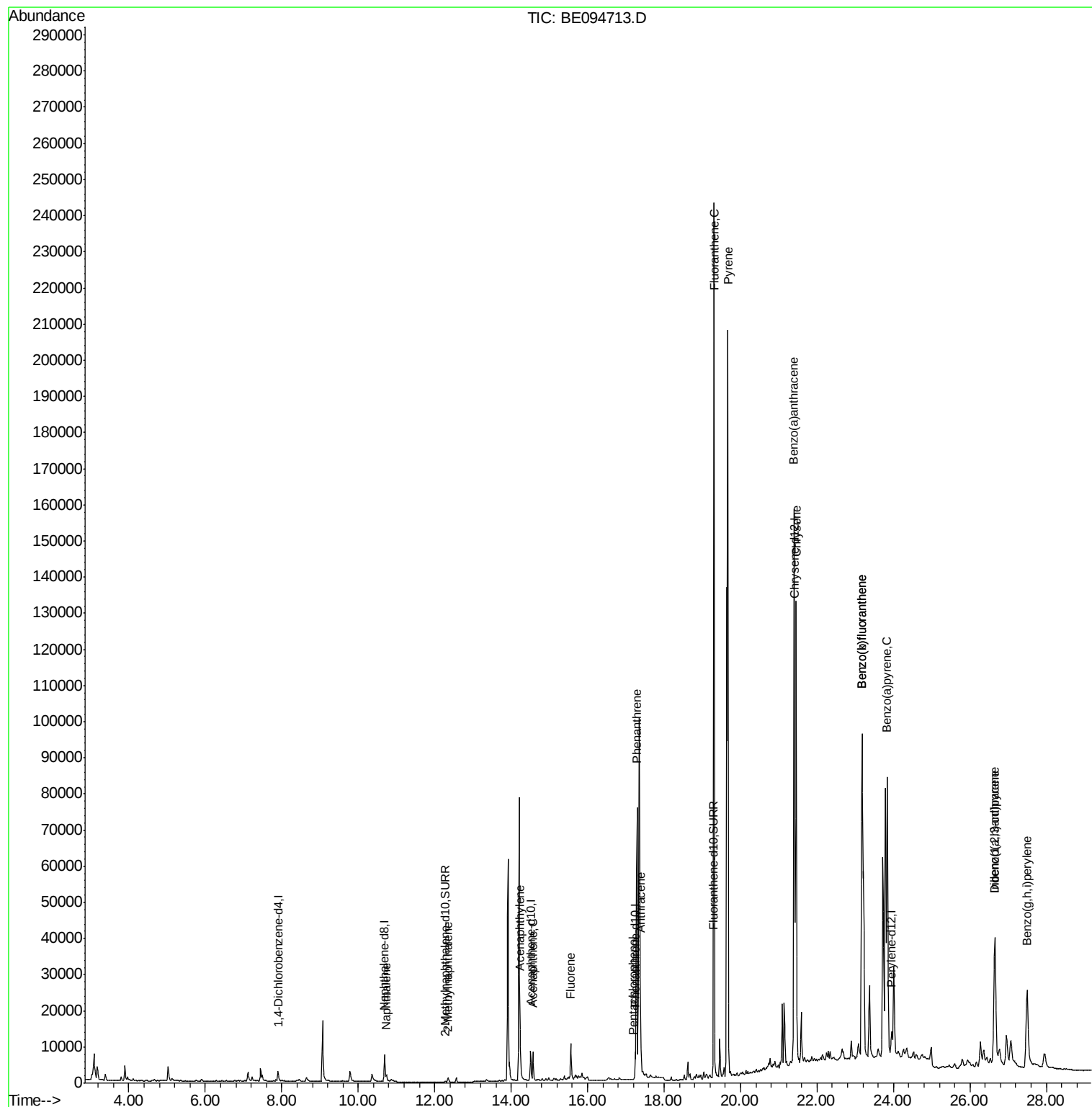
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	3000	0.14	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	1579	0.10	ng/ul	96
7) Acenaphthylene	14.24	152	16071	0.69	ng/ul	97
8) Acenaphthene	14.57	153	5127	0.31	ng/ul	98
9) Fluorene	15.56	166	7017	0.38	ng/ul	94
11) Pentachlorophenol	17.19	266	31	0.06	ng/ul	94
12) Phenanthrene	17.29	178	109768	3.80	ng/ul#	92
13) Anthracene	17.38	178	32484	1.14	ng/ul#	92
15) Fluoranthene	19.30	202	275857	8.26	ng/ul	84
17) Pyrene	19.67	202	237942	7.17	ng/ul#	79
18) Benzo(a)anthracene	21.40	228	142154	4.63	ng/ul#	86
19) Chrysene	21.46	228	134756	4.25	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	245265	7.63	ng/ul	88
22) Benzo(k)fluoranthene	23.18	252	245265	7.12	ng/ul#	90
23) Benzo(a)pyrene	23.84	252	126347	3.93	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.66	276	78263	2.35	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.64	278	19292	0.69	ng/ul#	87
26) Benzo(g,h,i)perylene	27.50	276	61594	2.31	ng/ul	96

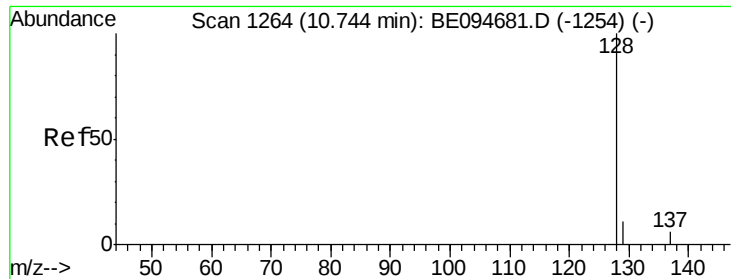
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.14 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

Instrument :

BNA_E

ClientSampleId :

DUP-5

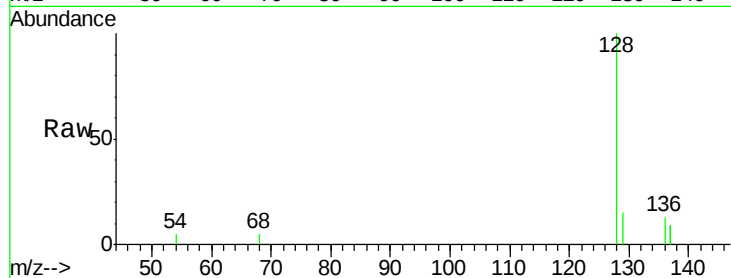
Tot Ion:128 Resp: 3000

Ion Ratio Lower Upper

128 100

129 15.1 11.3 16.9

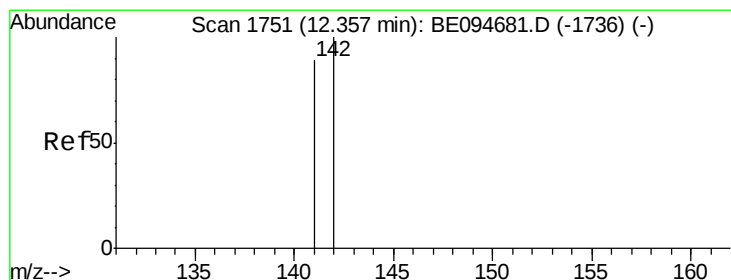
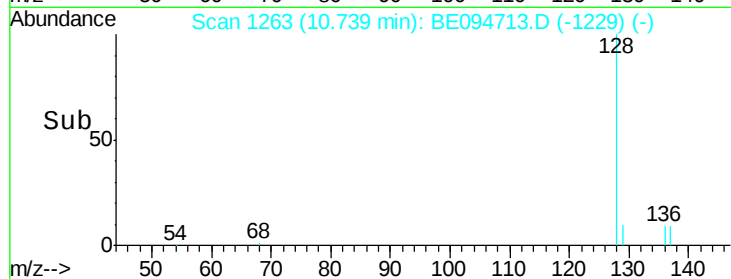
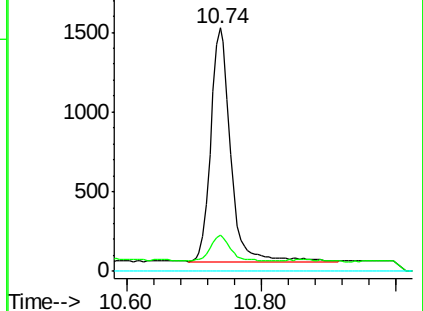
127 0.0 4.0 6.0#



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: 0.10 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BE094713.D

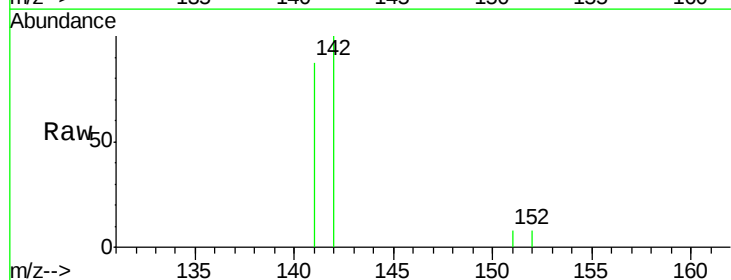
Acq: 3 Nov 2017 18:31

Tgt Ion:142 Resp: 1579

Ion Ratio Lower Upper

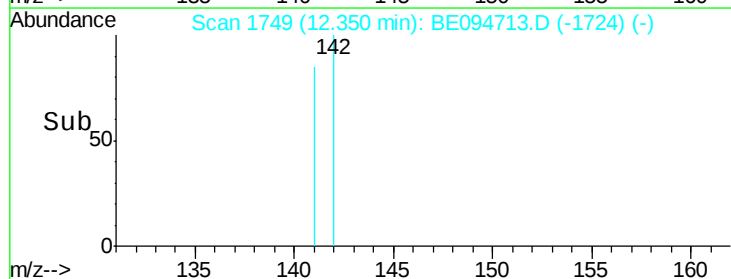
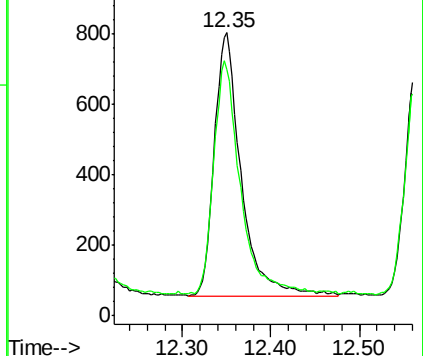
142 100

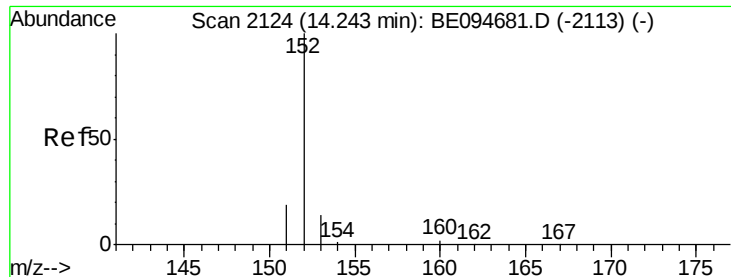
141 86.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.69 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

Instrument :

BNA_E

ClientSampleId :

DUP-5

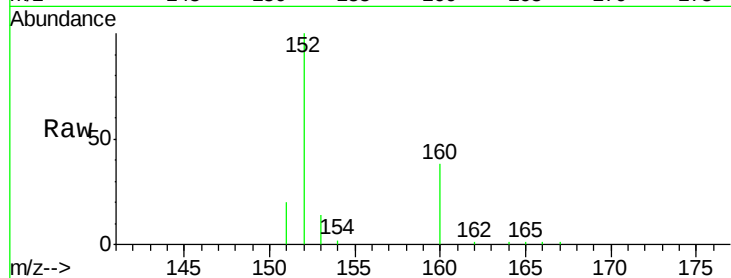
Tot Ion:152 Resp: 16071

Ion Ratio Lower Upper

152 100

151 20.1 17.1 25.7

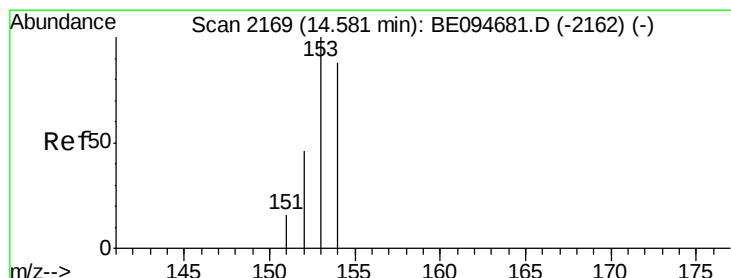
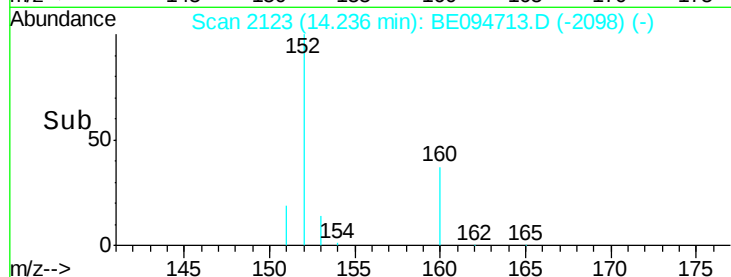
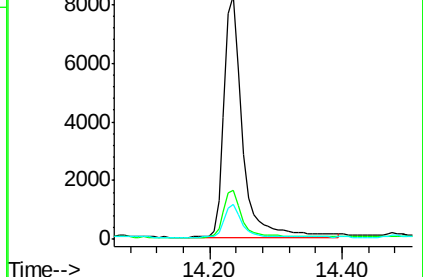
153 14.4 12.8 19.2



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: 0.31 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

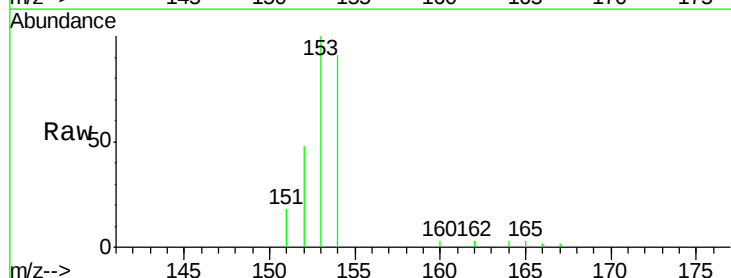
Tgt Ion:153 Resp: 5127

Ion Ratio Lower Upper

153 100

152 48.4 36.0 54.0

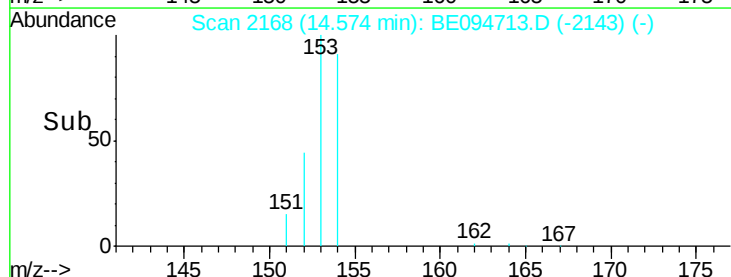
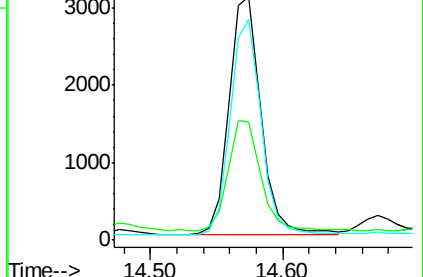
154 90.8 72.0 108.0

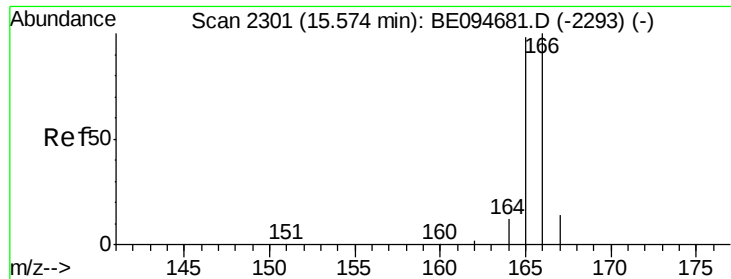


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

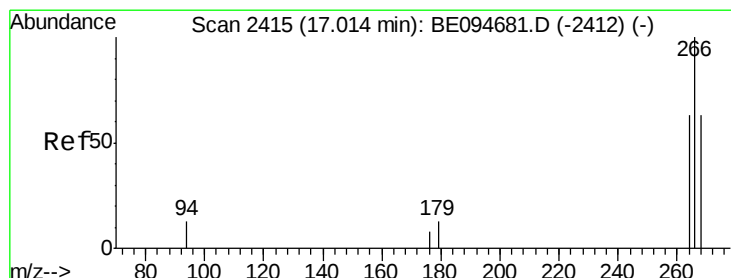
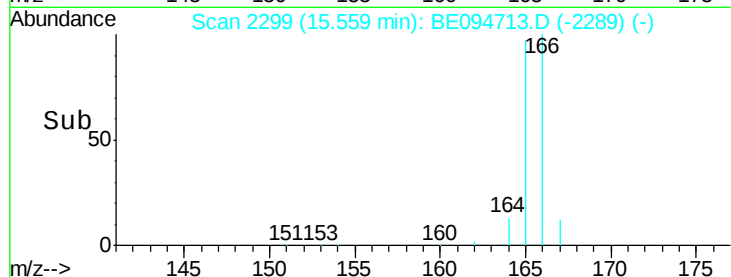
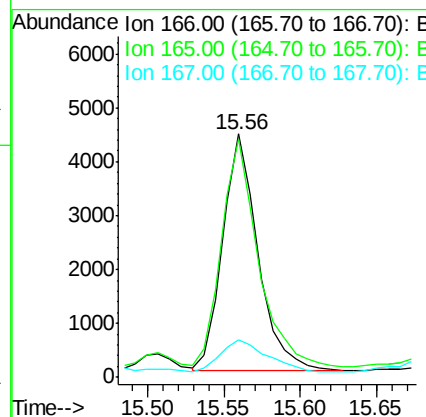
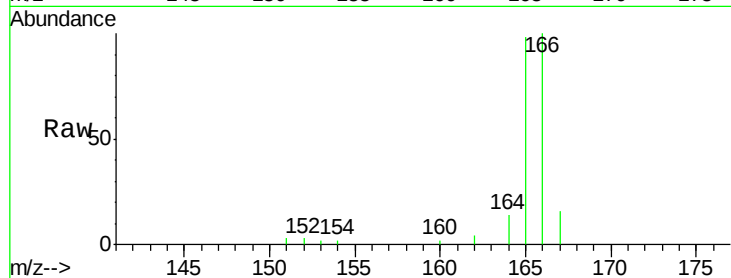




#9
Fluorene
 Concen: 0.38 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094713.D
 Acq: 3 Nov 2017 18:31

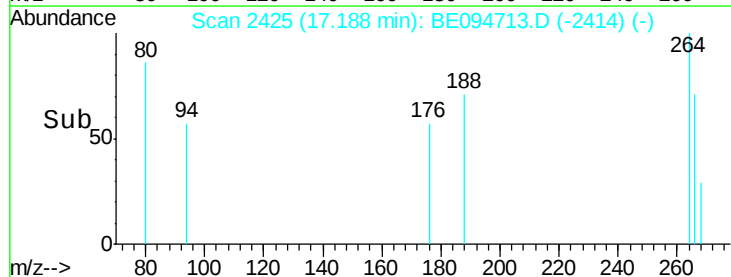
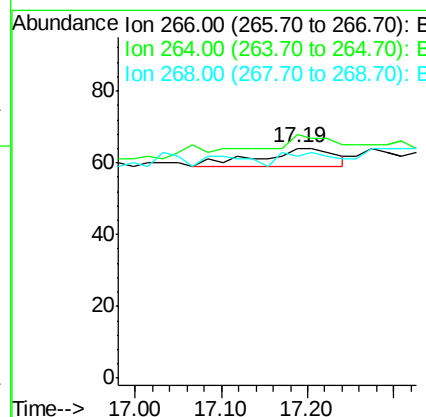
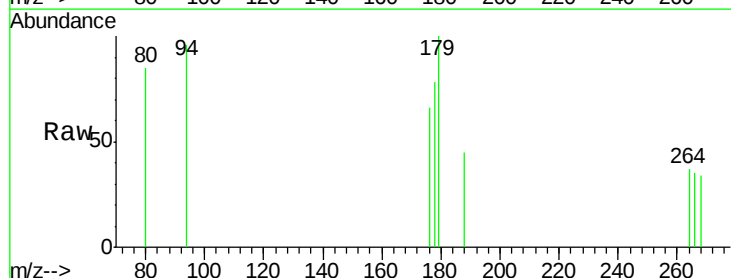
Instrument :
 BNA_E
 ClientSampleId :
 DUP-5

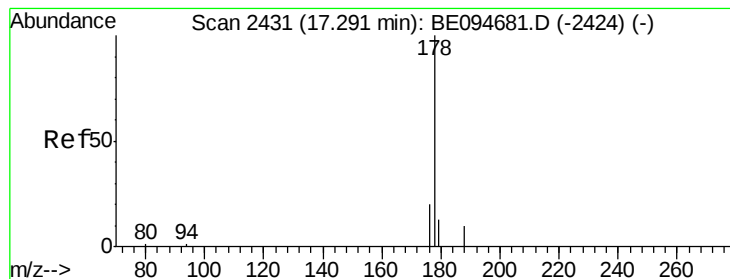
Tot Ion:166 Resp: 7017
 Ion Ratio Lower Upper
 166 100
 165 98.0 73.4 110.2
 167 15.6 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.06 ng/ul
 RT: 17.19 min Scan# 2425
 Delta R.T. 0.09 min
 Lab File: BE094713.D
 Acq: 3 Nov 2017 18:31

Tgt Ion:266 Resp: 31
 Ion Ratio Lower Upper
 266 100
 264 58.1 47.9 71.9
 268 54.8 49.8 74.8





#12

Phenanthrene

Concen: 3.80 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

Instrument :

BNA_E

ClientSampleId :

DUP-5

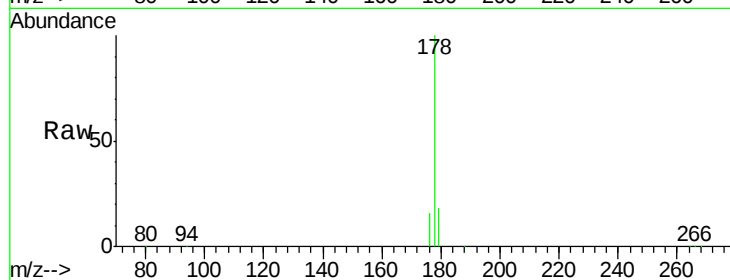
Tot Ion:178 Resp: 109768

Ion Ratio Lower Upper

178 100

179 17.5 18.4 27.6#

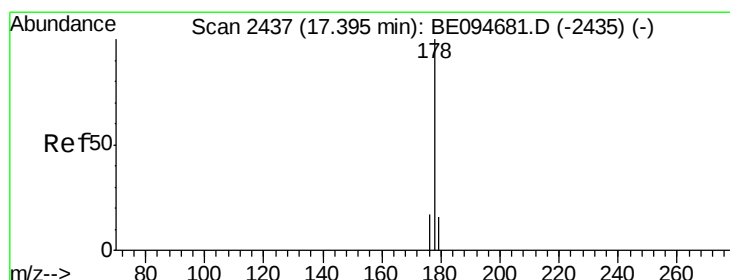
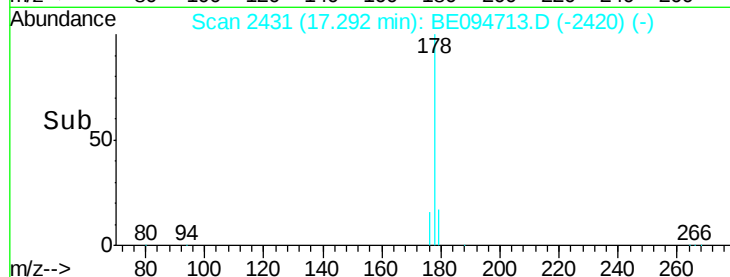
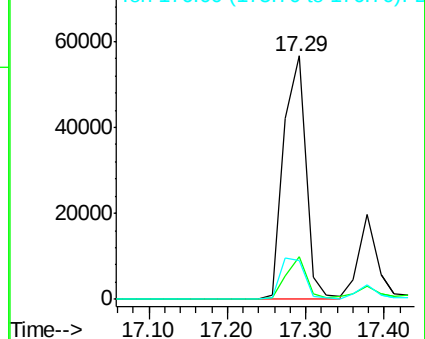
176 15.8 13.6 20.4



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: 1.14 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

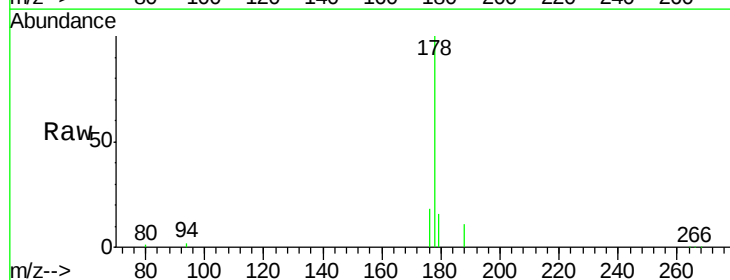
Tgt Ion:178 Resp: 32484

Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

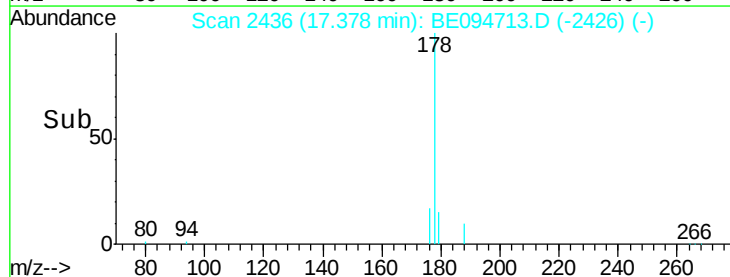
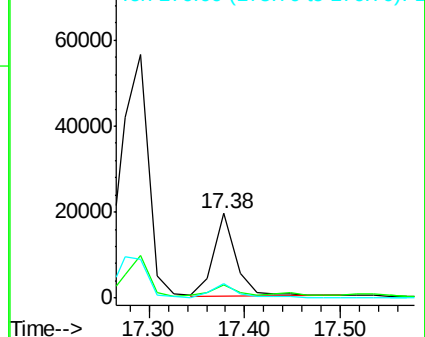
176 17.9 14.7 22.1

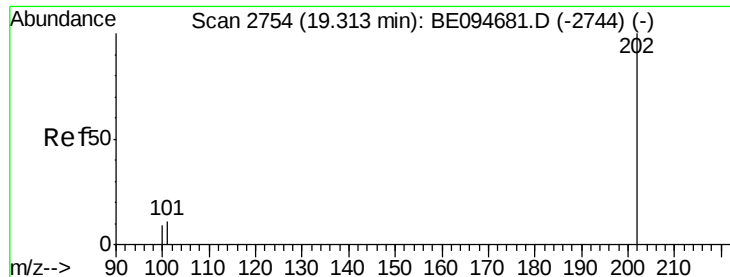


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

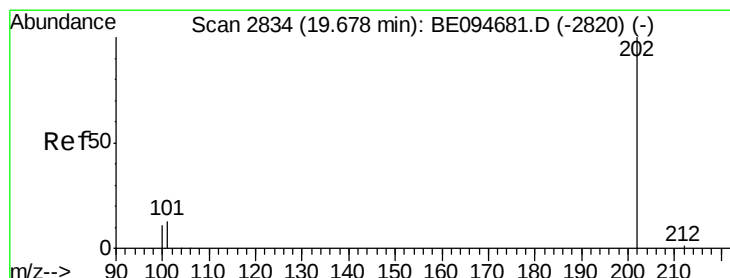
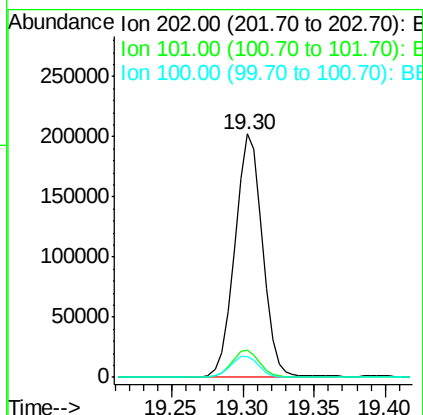
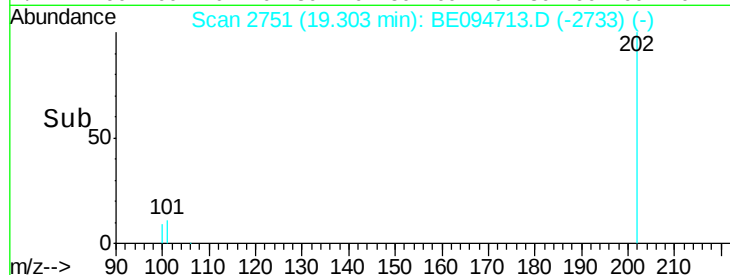
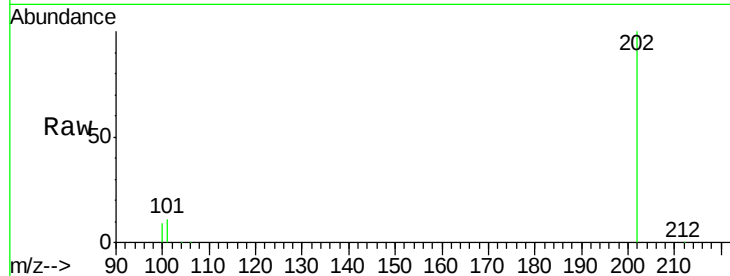




#15
Fluoranthene
Concen: 8.26 ng/ul
RT: 19.30 min Scan# 2751
Delta R.T. -0.02 min
Lab File: BE094713.D
Acq: 3 Nov 2017 18:31

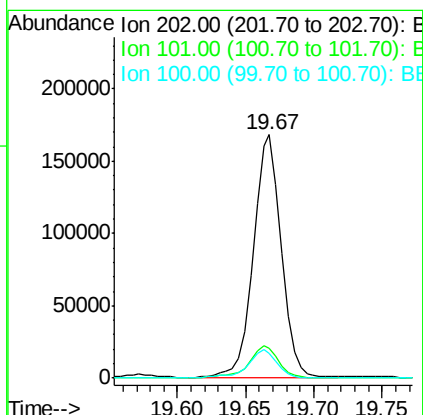
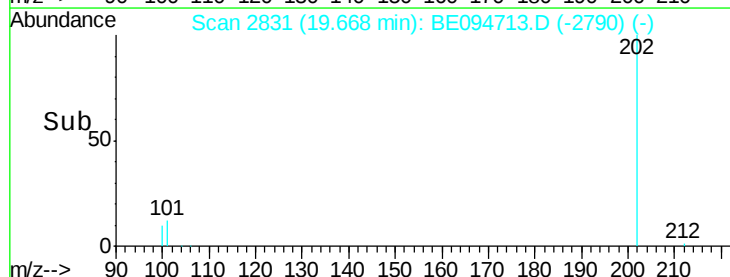
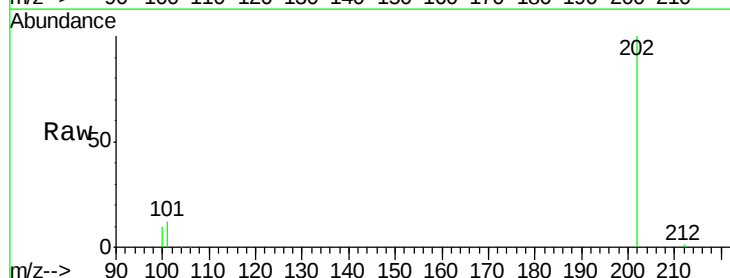
Instrument :
BNA_E
ClientSampleId :
DUP-5

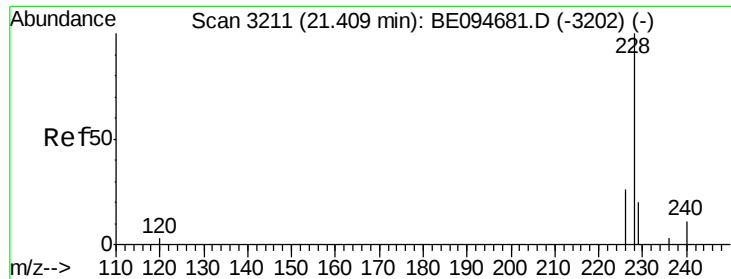
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	30.3
100	8.9	0.0	39.5



#17
Pyrene
Concen: 7.17 ng/ul
RT: 19.67 min Scan# 2831
Delta R.T. -0.02 min
Lab File: BE094713.D
Acq: 3 Nov 2017 18:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	18.2	27.4#
100	10.2	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 4.63 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.02 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

Instrument :

BNA_E

ClientSampleId :

DUP-5

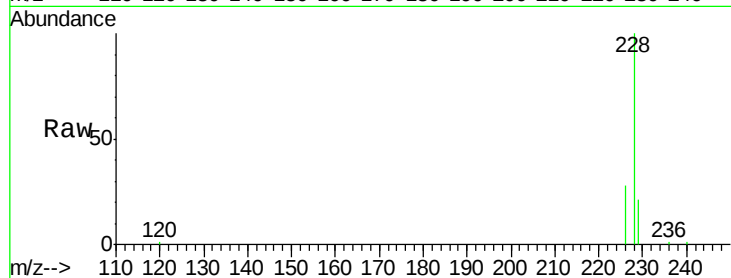
Tot Ion:228 Resp: 142154

Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

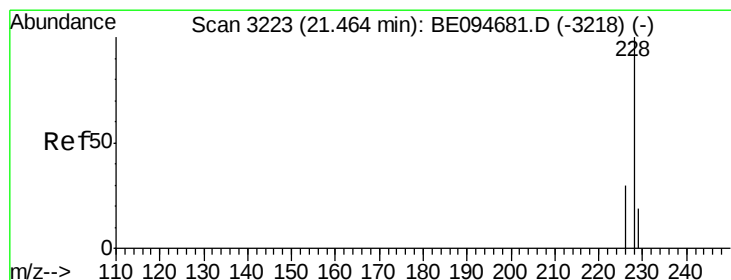
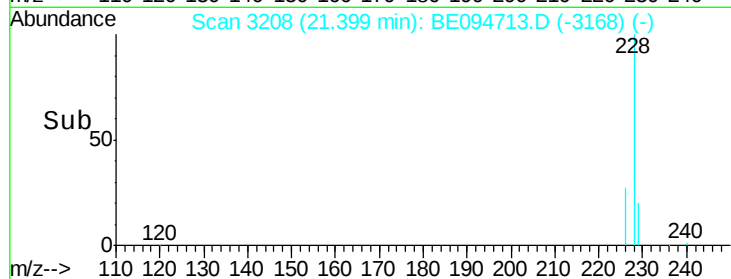
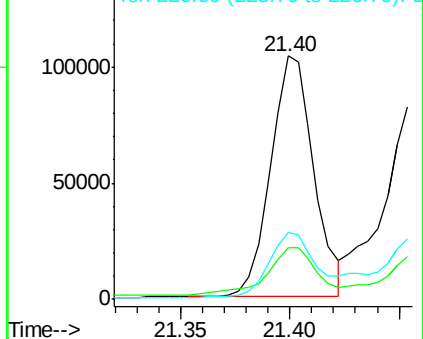
226 27.6 17.0 25.6#



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: 4.25 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

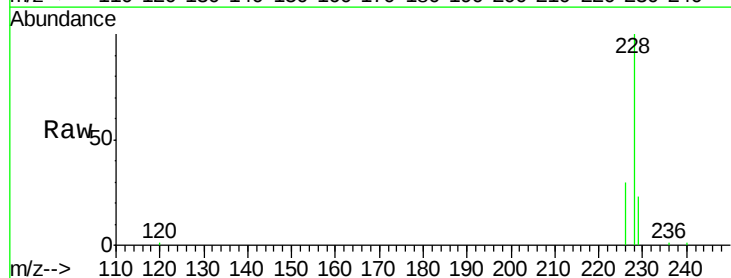
Tgt Ion:228 Resp: 134756

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

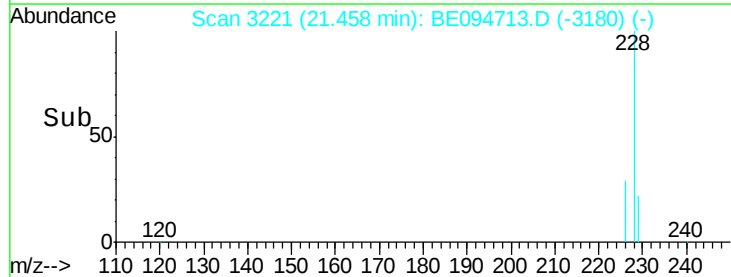
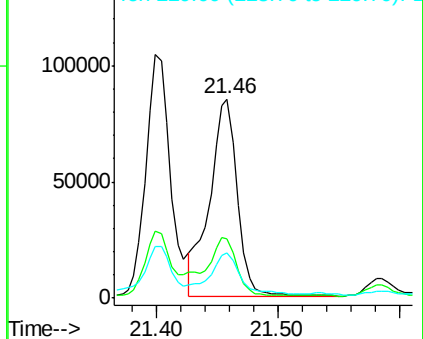
229 22.9 17.7 26.5

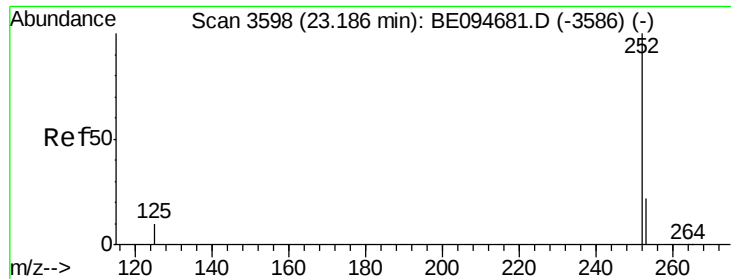


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 7.63 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

Instrument :

BNA_E

ClientSampleId :

DUP-5

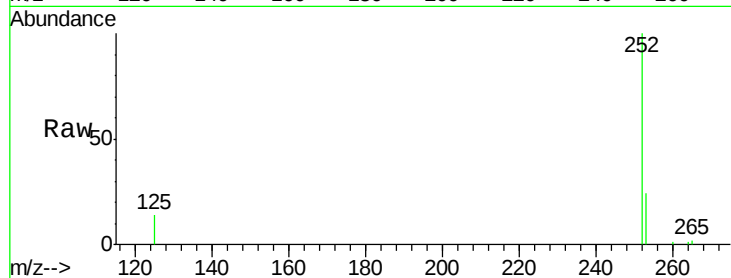
Tot Ion:252 Resp: 245265

Ion Ratio Lower Upper

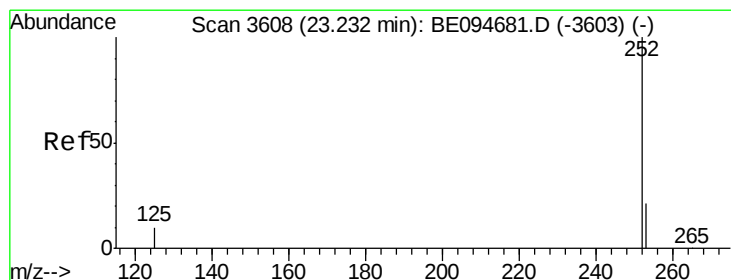
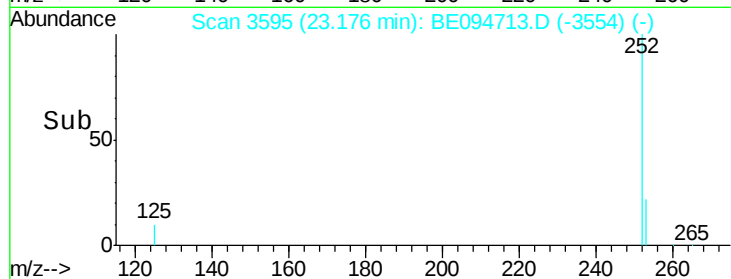
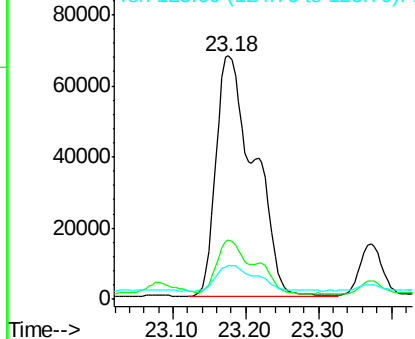
252 100

253 24.3 0.0 64.2

125 13.9 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: 7.12 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

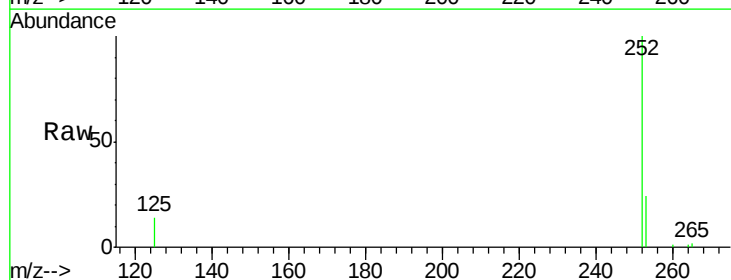
Tgt Ion:252 Resp: 245265

Ion Ratio Lower Upper

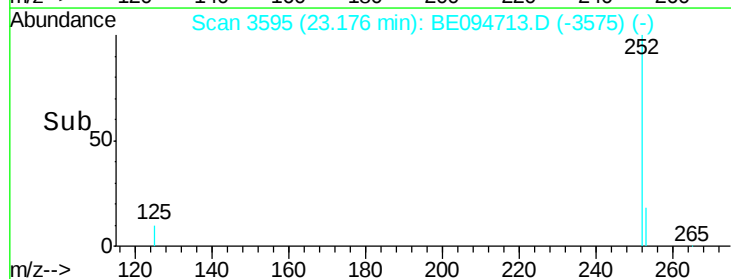
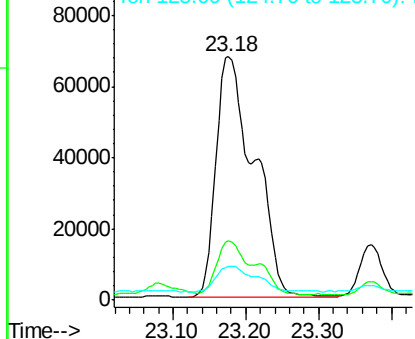
252 100

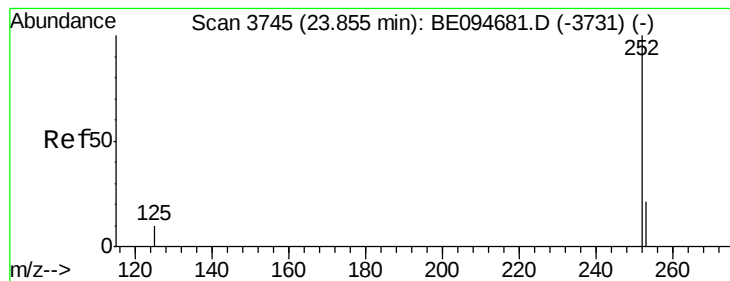
253 24.3 24.5 36.7#

125 13.9 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: 3.93 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.02 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

Instrument :

BNA_E

ClientSampleId :

DUP-5

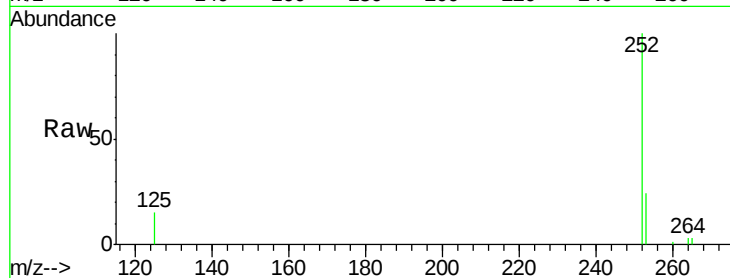
Tot Ion:252 Resp: 126347

Ion Ratio Lower Upper

252 100

253 23.9 28.5 42.7#

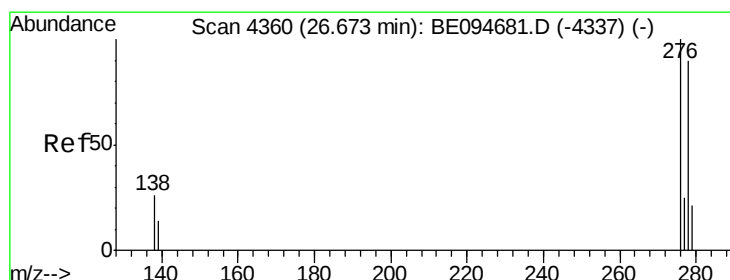
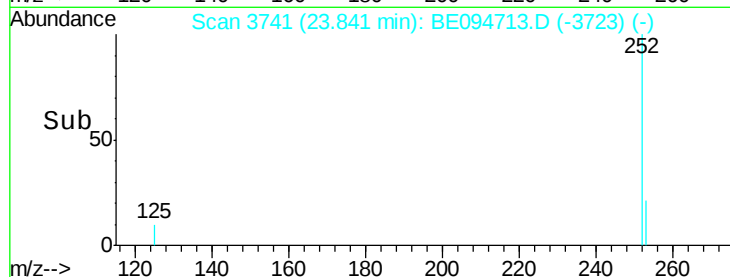
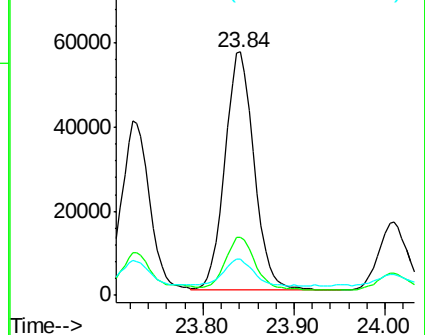
125 14.7 18.1 27.1#



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: 2.35 ng/ul

RT: 26.66 min Scan# 4355

Delta R.T. -0.03 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

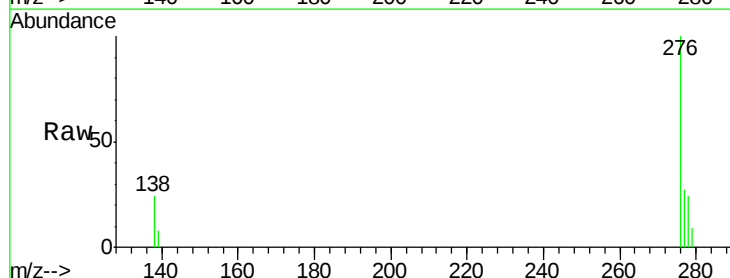
Tgt Ion:276 Resp: 78263

Ion Ratio Lower Upper

276 100

138 19.9 28.0 42.0#

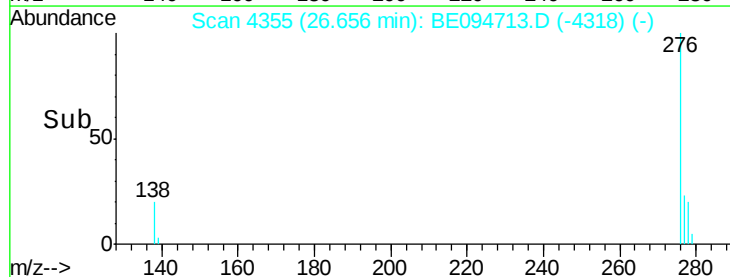
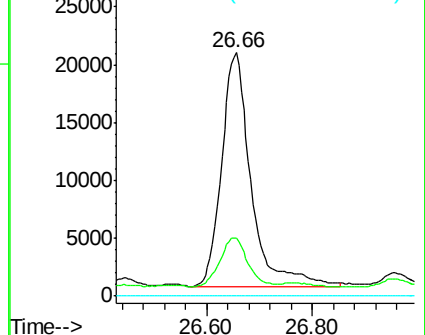
227 0.0 8.0 12.0#

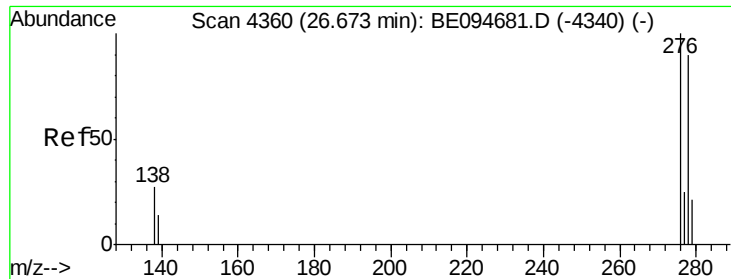


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.69 ng/ul

RT: 26.64 min Scan# 4352

Delta R.T. -0.03 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

Instrument :

BNA_E

ClientSampleId :

DUP-5

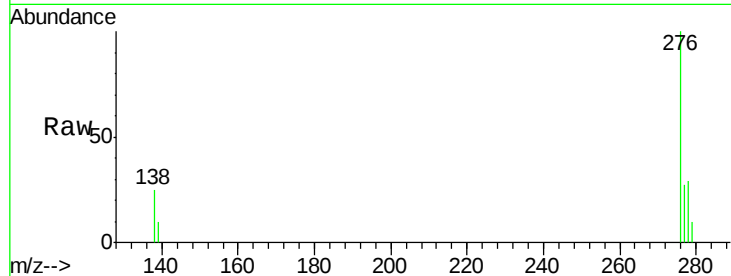
Tot Ion:278 Resp: 19292

Ion Ratio Lower Upper

278 100

139 33.3 17.4 26.0#

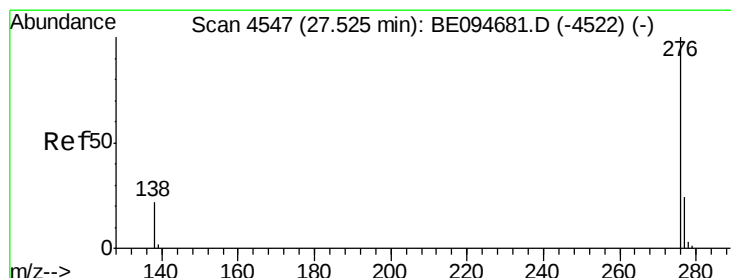
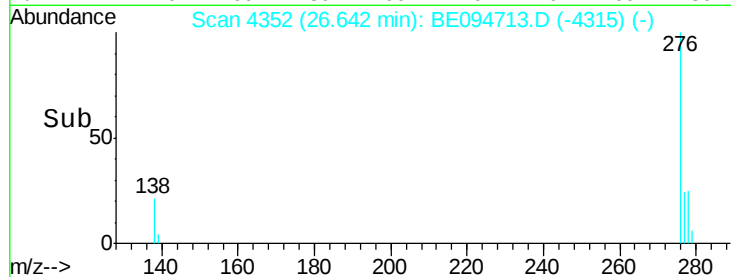
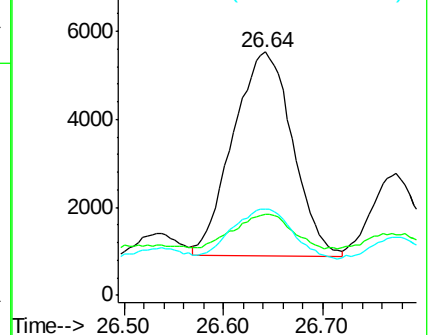
279 35.2 25.9 38.9



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: 2.31 ng/ul

RT: 27.50 min Scan# 4540

Delta R.T. -0.02 min

Lab File: BE094713.D

Acq: 3 Nov 2017 18:31

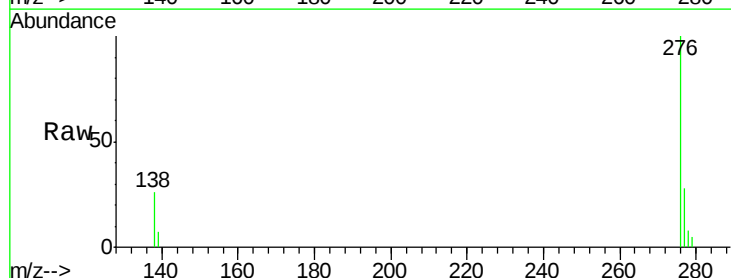
Tgt Ion:276 Resp: 61594

Ion Ratio Lower Upper

276 100

138 25.6 21.8 32.8

277 27.7 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

