

Data Path : Z:\HPCHEM1\BNA E\DATA\BM102617\
 Data File : BE094557.D
 Acq On : 26 Oct 2017 10:06
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 27 04:00:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
 Response via : Initial Calibration

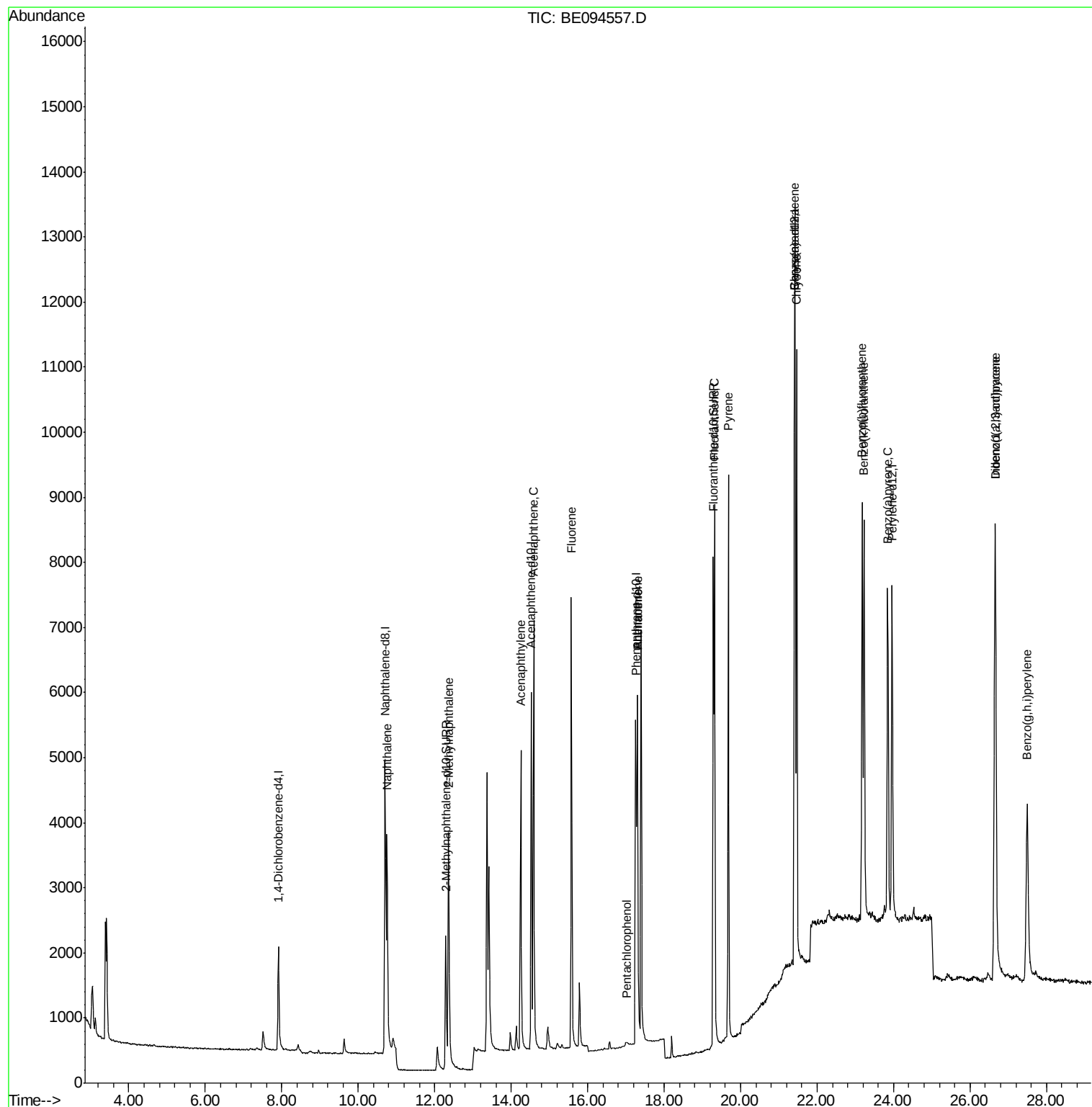
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1132	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6626	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3705	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8205	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	8373	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	8154	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	4165	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	10014	0.41	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	6244	0.39	ng/ul#	94
5) 2-Methylnaphthalene	12.36	142	4374	0.39	ng/ul	99
7) Acenaphthylene	14.25	152	6693	0.40	ng/ul	96
8) Acenaphthene	14.59	153	4747	0.39	ng/ul	98
9) Fluorene	15.57	166	5338	0.39	ng/ul	91
11) Pentachlorophenol	17.01	266	184	0.45	ng/ul	95
12) Phenanthrene	17.31	178	8428	0.39	ng/ul	94
13) Anthracene	17.31	178	8388	0.39	ng/ul	95
15) Fluoranthene	19.32	202	10242	0.41	ng/ul	84
17) Pyrene	19.68	202	10988	0.42	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	10097	0.42	ng/ul#	88
19) Chrysene	21.46	228	9796	0.40	ng/ul	94
21) Benzo(b)fluoranthene	23.18	252	9312	0.41	ng/ul	93
22) Benzo(k)fluoranthene	23.23	252	9625	0.39	ng/ul#	94
23) Benzo(a)pyrene	23.85	252	9295	0.41	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	26.65	276	9952	0.42	ng/ul#	81
25) Dibenzo(a,h)anthracene	26.66	278	8442	0.42	ng/ul#	93
26) Benzo(g,h,i)perylene	27.50	276	7788	0.41	ng/ul#	86

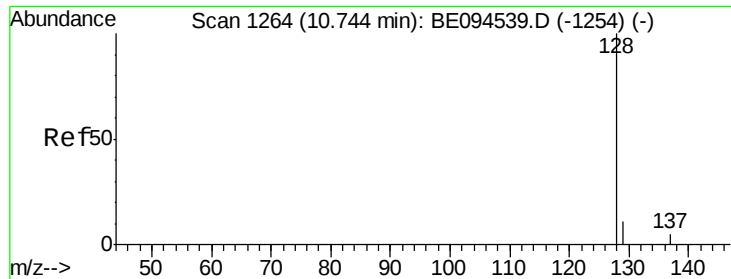
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

Instrument :

BNA_F

ClientSampleId :

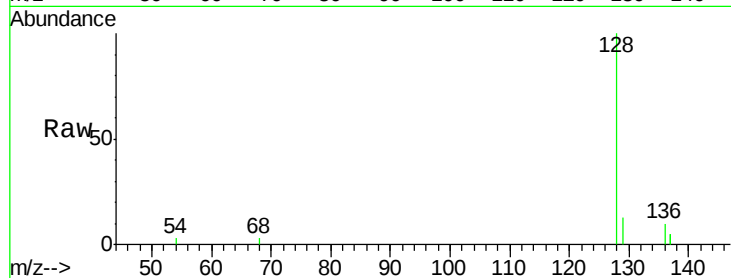
Tot Ion:128 Resp: 6244

Ion Ratio Lower Upper

128 100

129 13.0 11.3 16.9

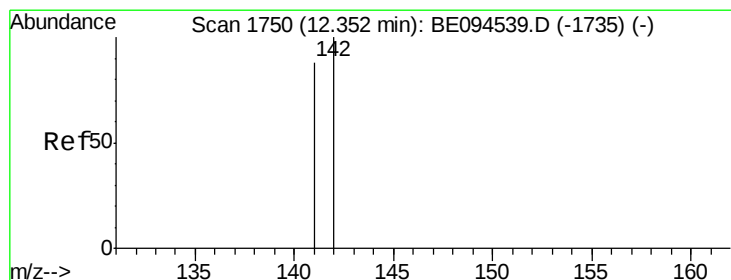
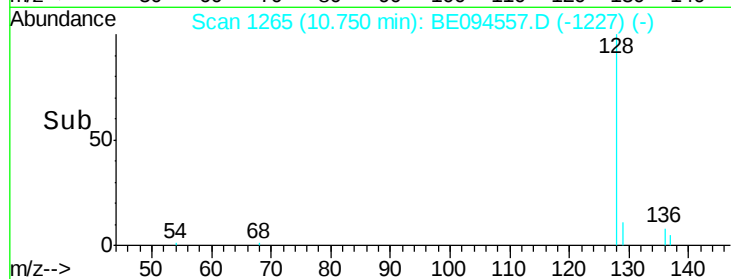
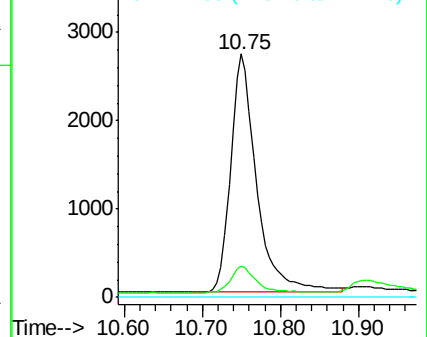
127 0.0 4.0 6.0#



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: 0.39 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BE094557.D

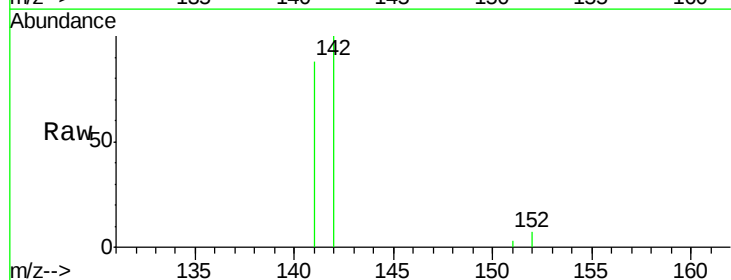
Acq: 26 Oct 2017 10:06

Tgt Ion:142 Resp: 4374

Ion Ratio Lower Upper

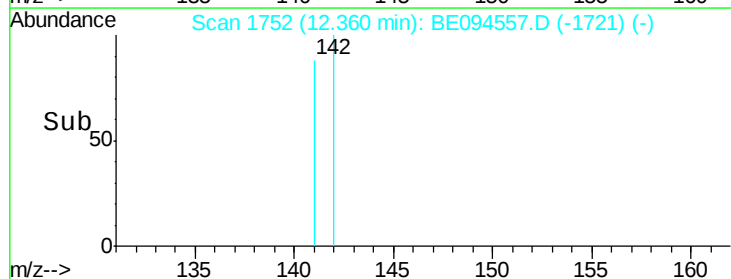
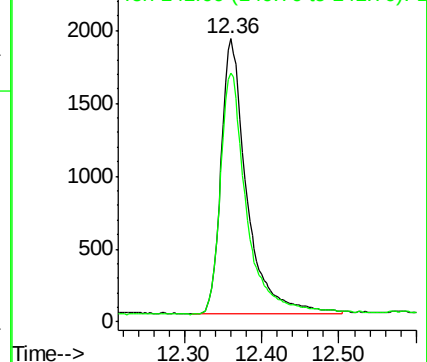
142 100

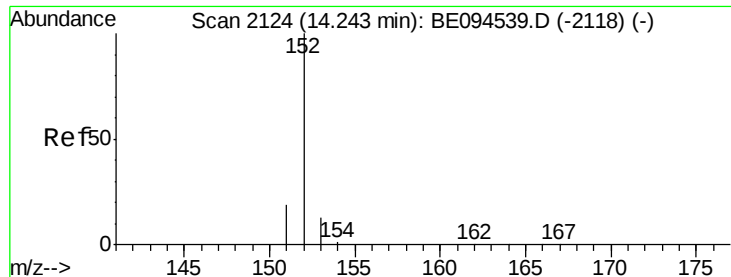
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.25 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

Instrument :

BNA_F

ClientSampleId :

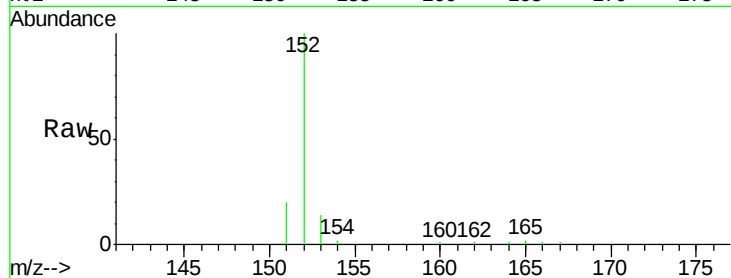
Tot Ion:152 Resp: 6693

Ion Ratio Lower Upper

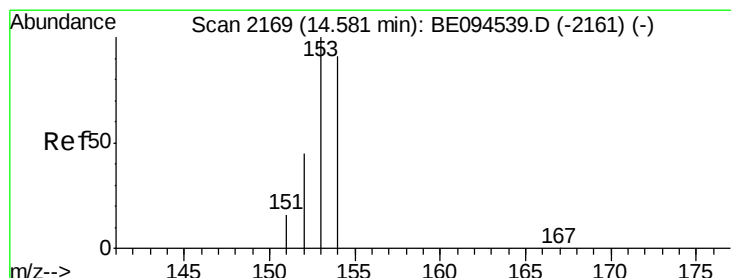
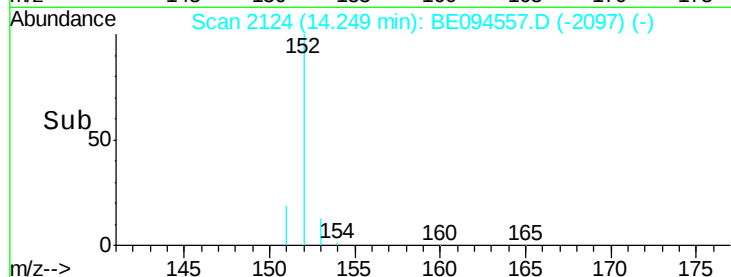
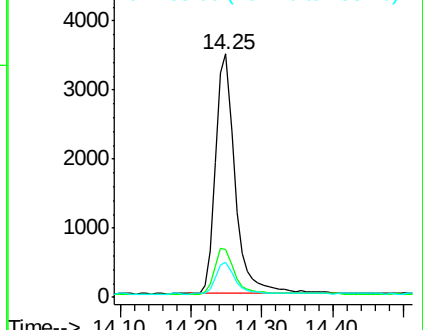
152 100

151 19.8 17.1 25.7

153 14.3 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: 0.39 ng/ul

RT: 14.59 min Scan# 2169

Delta R.T. 0.01 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

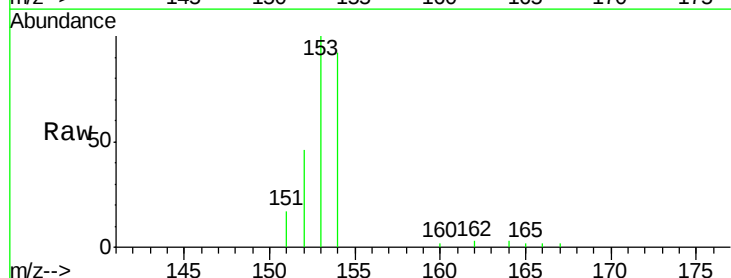
Tgt Ion:153 Resp: 4747

Ion Ratio Lower Upper

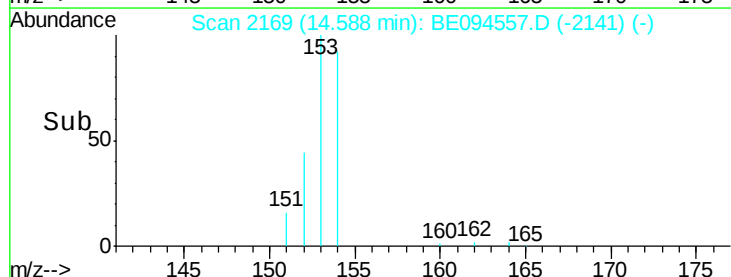
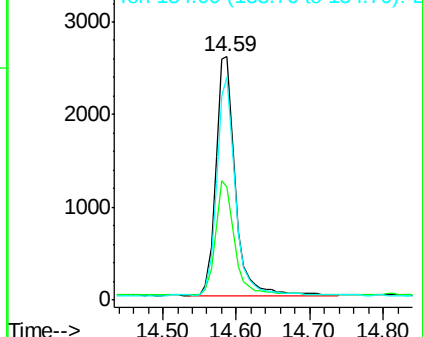
153 100

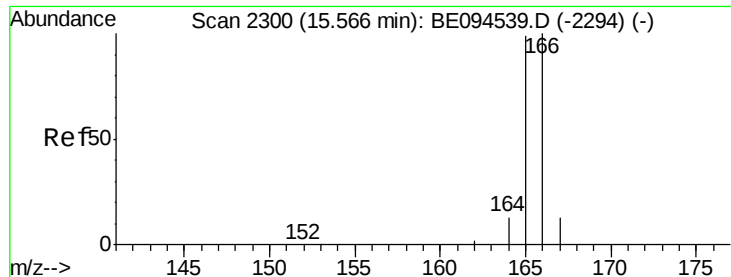
152 46.2 36.0 54.0

154 91.9 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: 0.39 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

Instrument :

BNA_F

ClientSampleId :

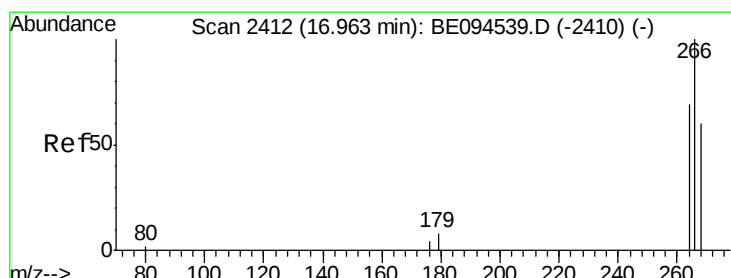
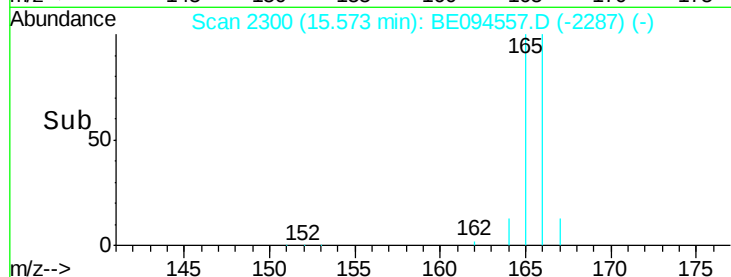
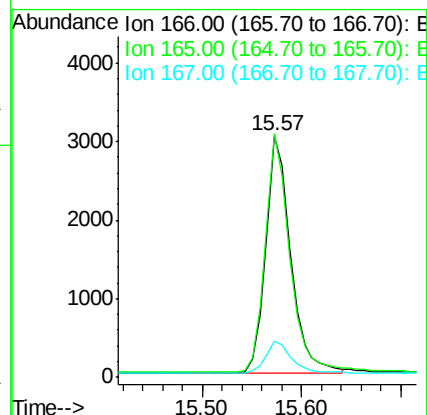
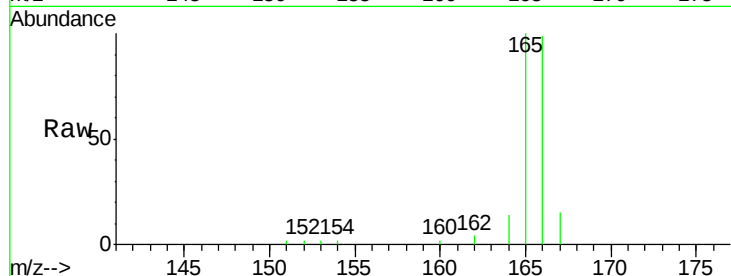
Tot Ion:166 Resp: 5338

Ion Ratio Lower Upper

166 100

165 100.7 73.4 110.2

167 15.0 14.6 22.0



#11

Pentachlorophenol

Concen: 0.45 ng/ul

RT: 17.01 min Scan# 2414

Delta R.T. -0.02 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

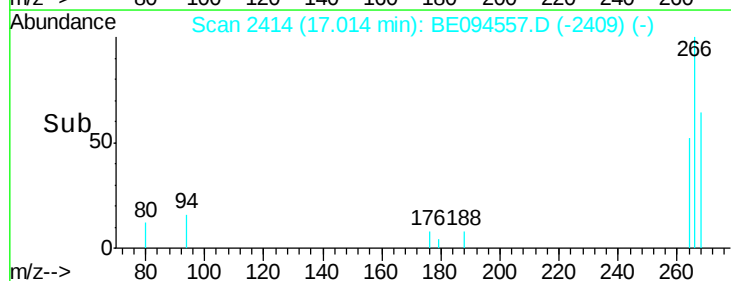
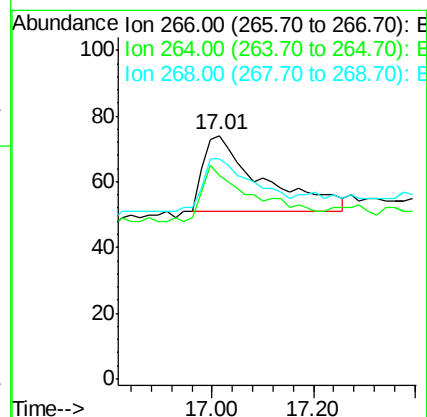
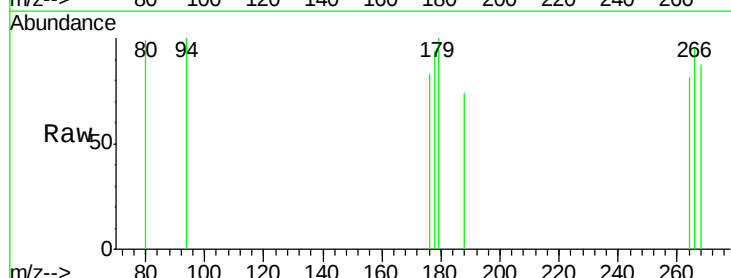
Tgt Ion:266 Resp: 184

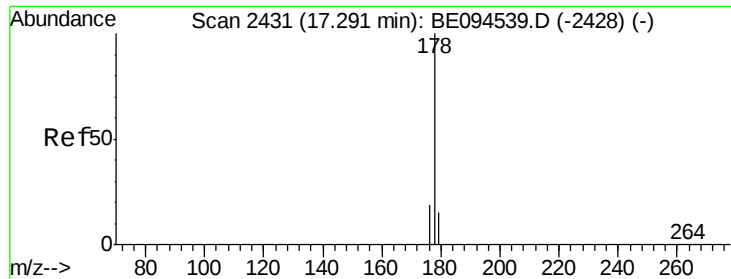
Ion Ratio Lower Upper

266 100

264 57.6 47.9 71.9

268 67.4 49.8 74.8





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.31 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

Instrument :

BNA_F

ClientSampleId :

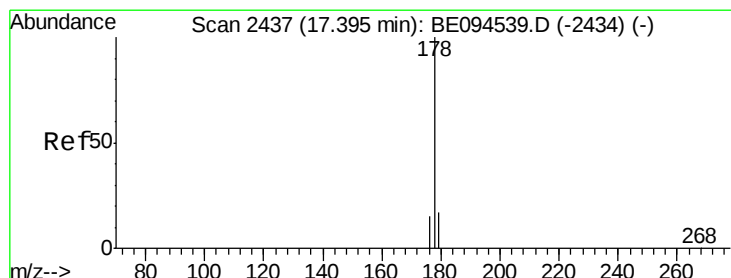
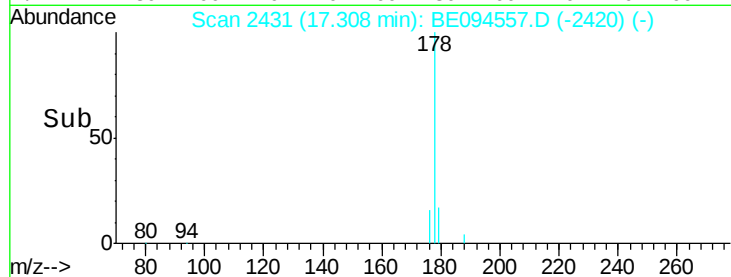
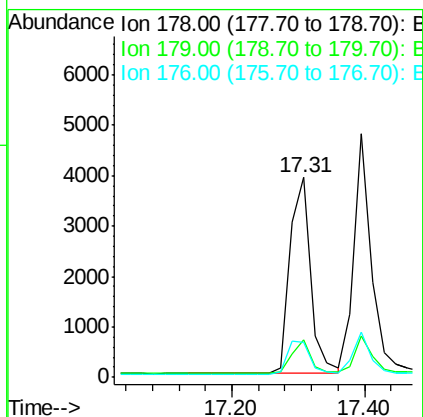
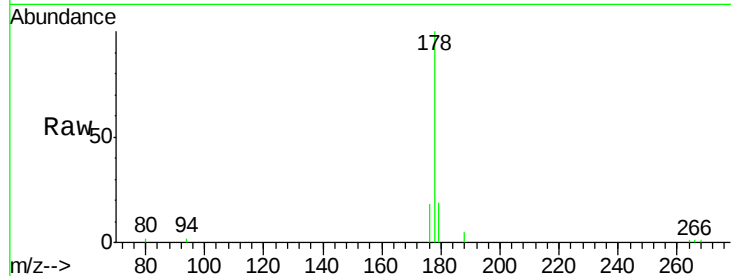
Tot Ion:178 Resp: 8428

Ion Ratio Lower Upper

178 100

179 18.6 18.4 27.6

176 17.7 13.6 20.4



#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.31 min Scan# 2431

Delta R.T. -0.09 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

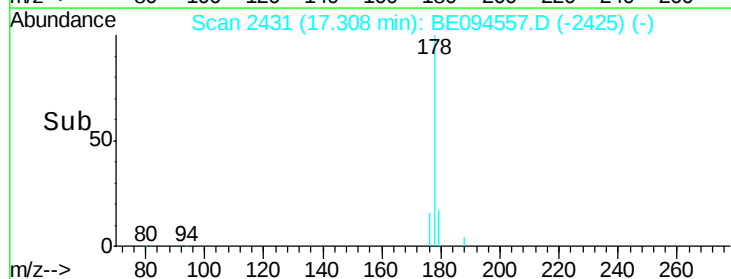
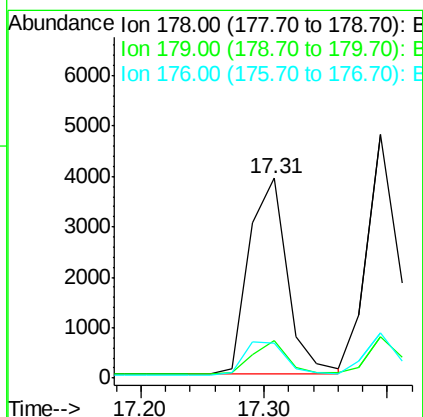
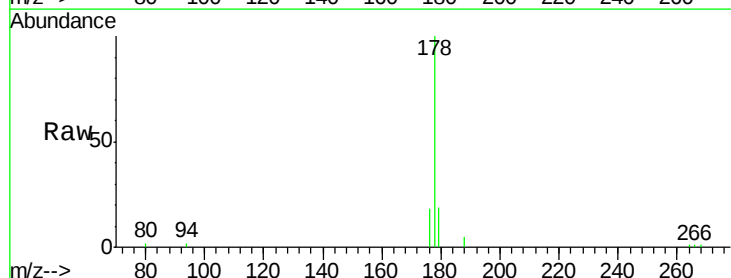
Tgt Ion:178 Resp: 8388

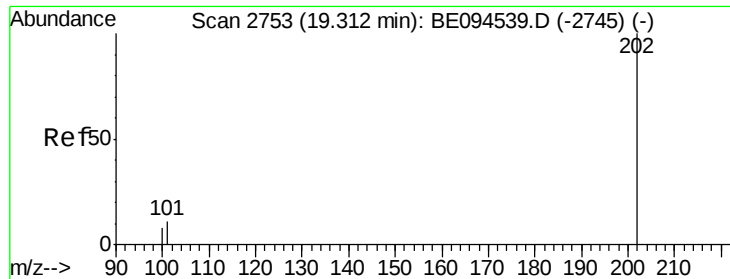
Ion Ratio Lower Upper

178 100

179 18.6 18.1 27.1

176 17.7 14.7 22.1





#15

Fluoranthene

Concen: 0.41 ng/ul

RT: 19.32 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE094557.D

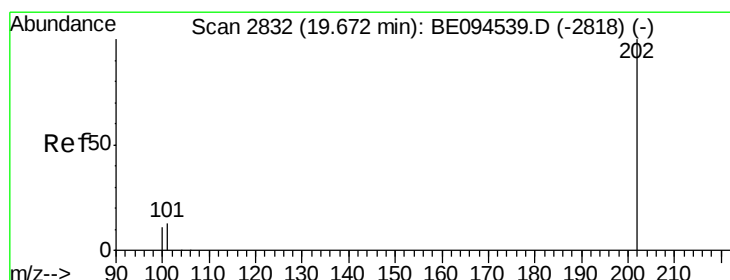
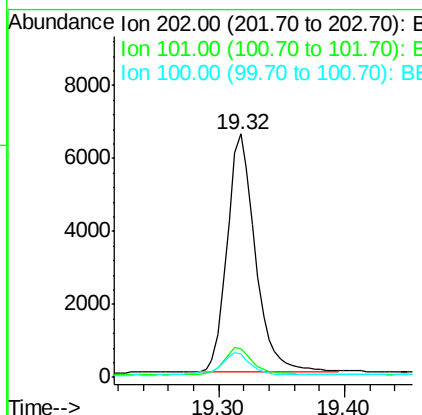
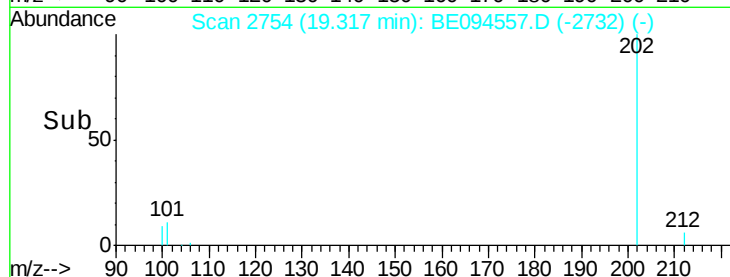
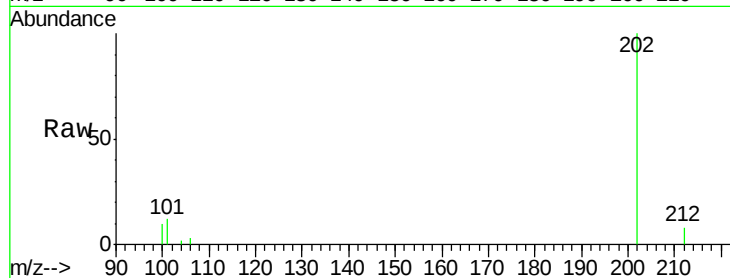
Acq: 26 Oct 2017 10:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	10242
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	30.3
100	9.5	0.0	39.5



#17

Pyrene

Concen: 0.42 ng/ul

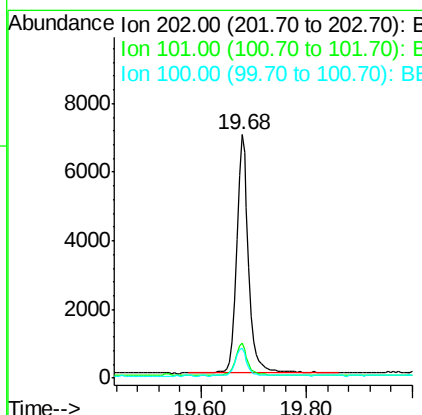
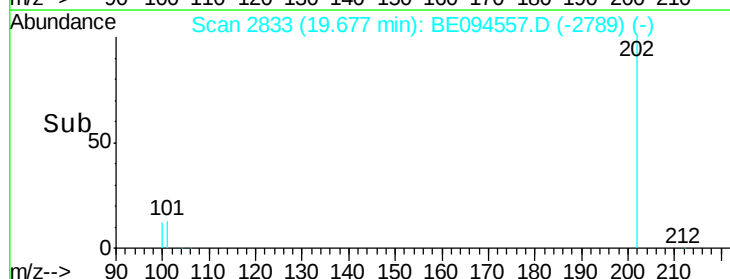
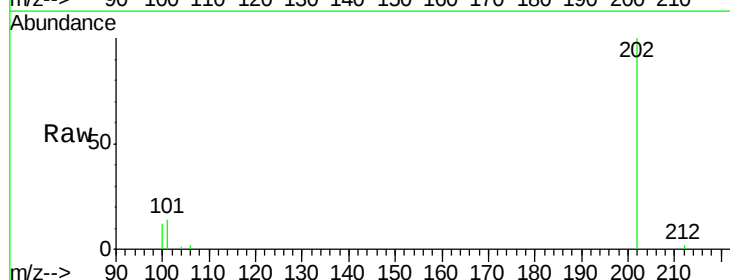
RT: 19.68 min Scan# 2833

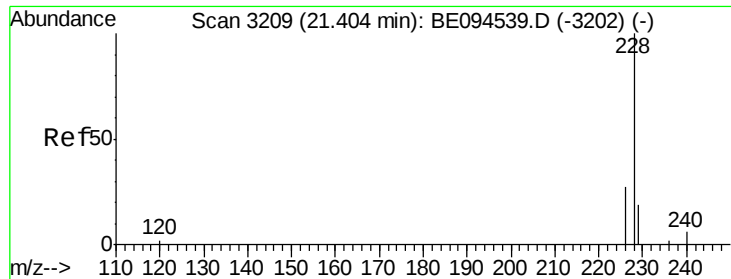
Delta R.T. 0.00 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

Tgt Ion:	202	Resp:	10988
Ion Ratio	Lower	Upper	
202	100		
101	14.2	18.2	27.4#
100	12.5	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 21.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

Instrument :

BNA_F

ClientSampleId :

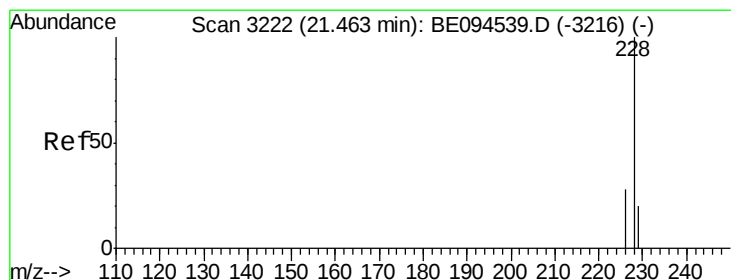
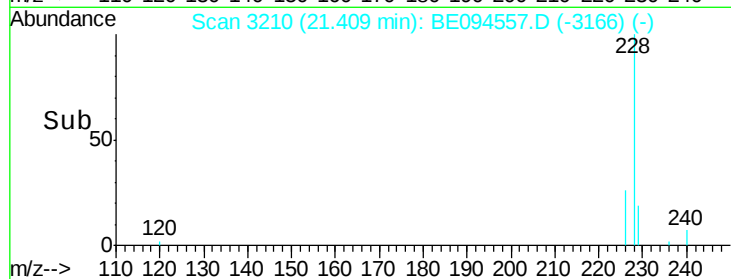
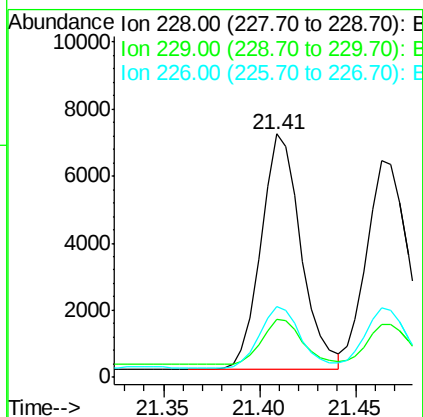
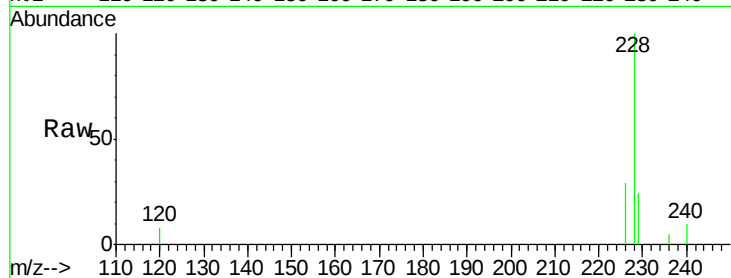
Tot Ion:228 Resp: 10097

Ion Ratio Lower Upper

228 100

229 24.0 22.8 34.2

226 29.3 17.0 25.6#



#19

Chrysene

Concen: 0.40 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

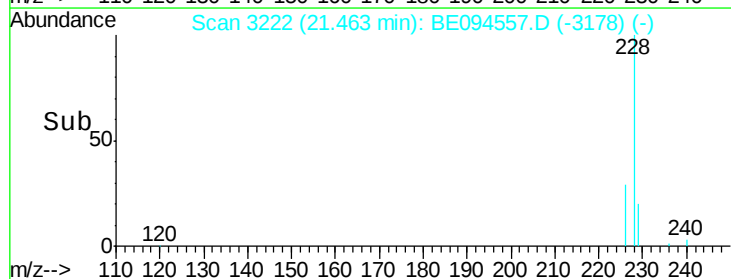
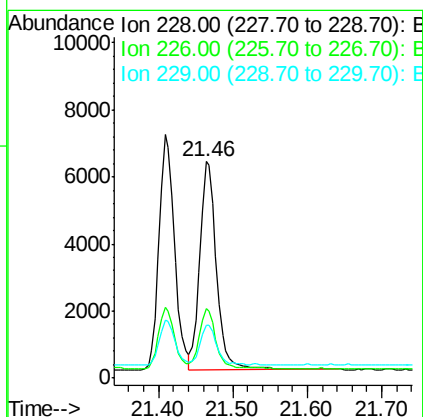
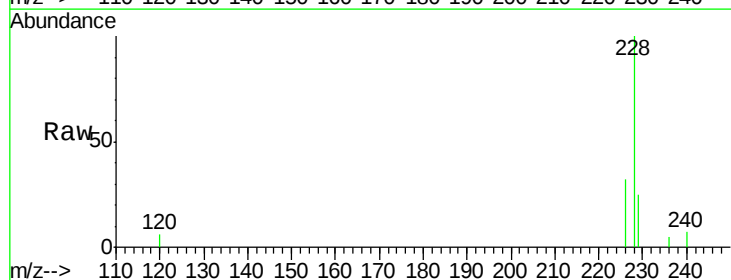
Tgt Ion:228 Resp: 9796

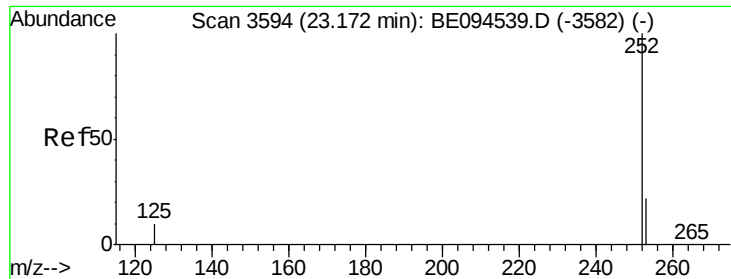
Ion Ratio Lower Upper

228 100

226 32.3 23.4 35.0

229 24.6 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.41 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. 0.01 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

Instrument :

BNA_F

ClientSampleId :

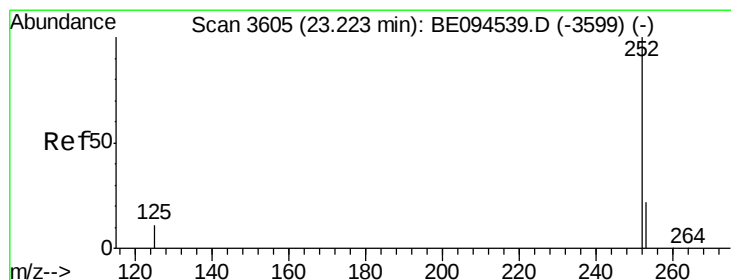
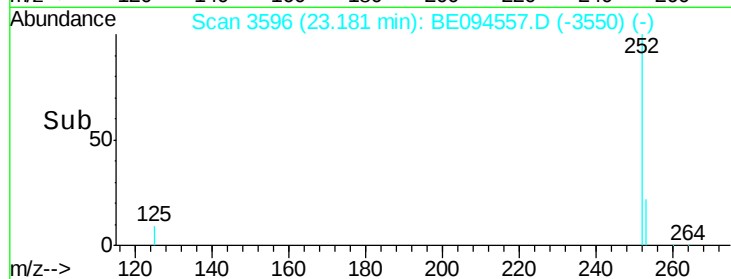
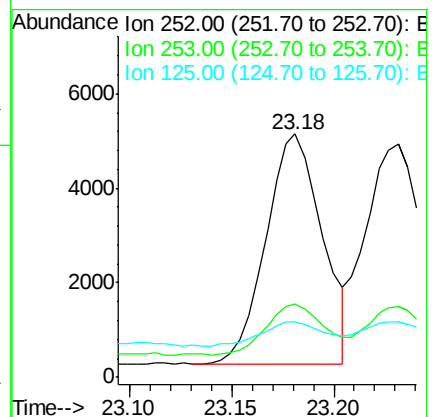
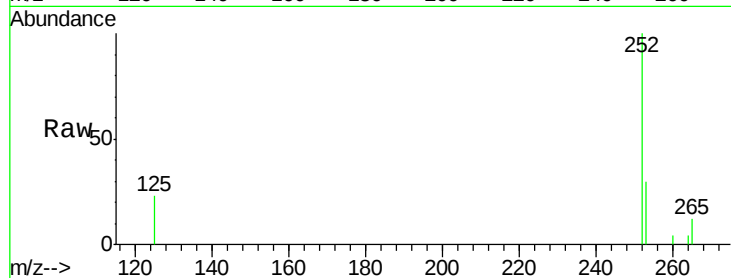
Tot Ion:252 Resp: 9312

Ion Ratio Lower Upper

252 100

253 30.0 0.0 64.2

125 22.9 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.39 ng/ul

RT: 23.23 min Scan# 3607

Delta R.T. 0.01 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

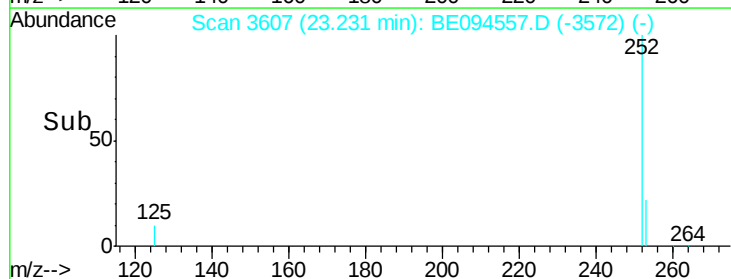
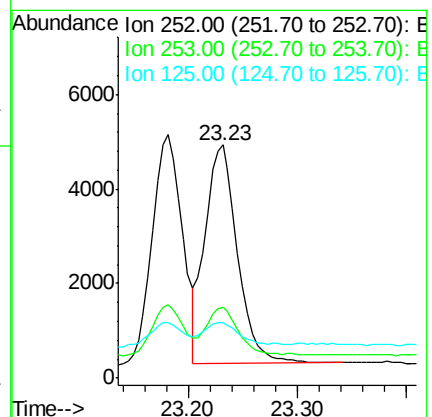
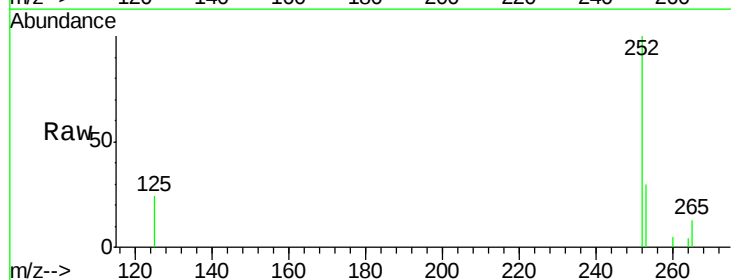
Tgt Ion:252 Resp: 9625

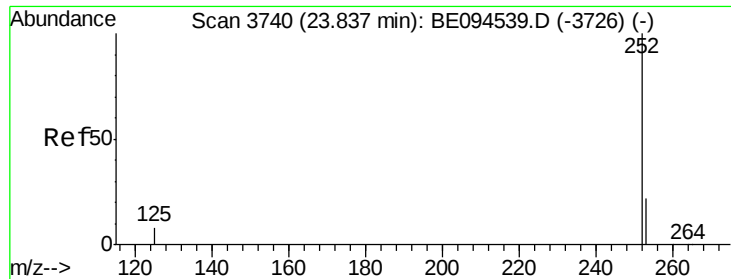
Ion Ratio Lower Upper

252 100

253 30.2 24.5 36.7

125 23.9 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. 0.01 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

Instrument :

BNA_F

ClientSampleId :

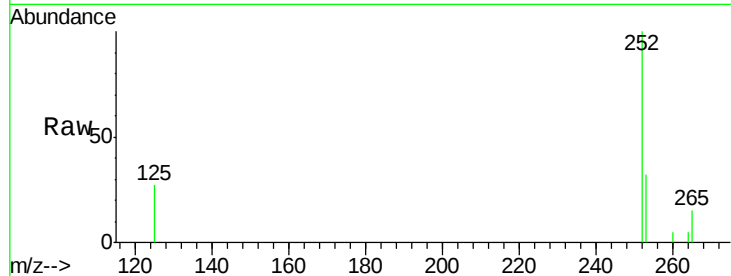
Tot Ion:252 Resp: 9295

Ion Ratio Lower Upper

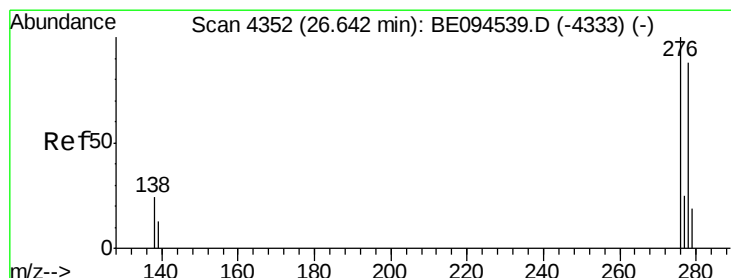
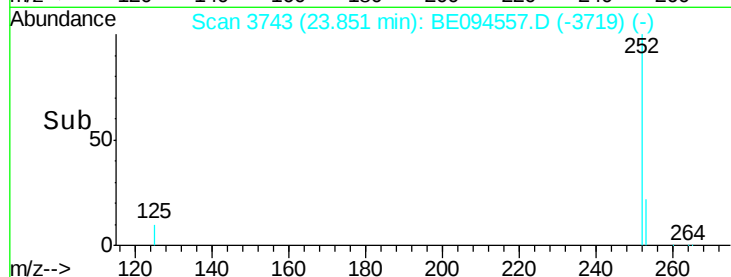
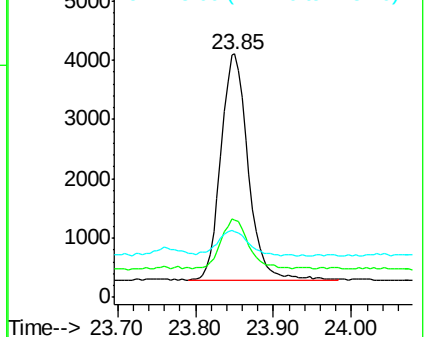
252 100

253 31.8 28.5 42.7

125 27.1 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: 0.42 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. 0.01 min

Lab File: BE094557.D

Acq: 26 Oct 2017 10:06

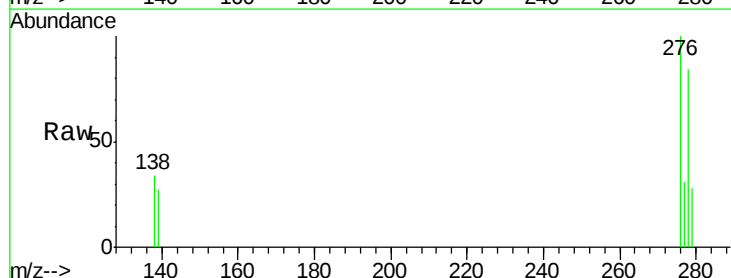
Tgt Ion:276 Resp: 9952

Ion Ratio Lower Upper

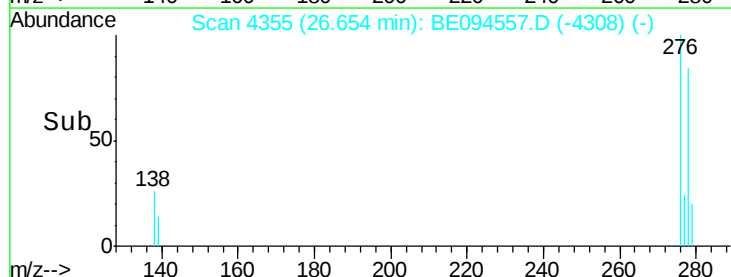
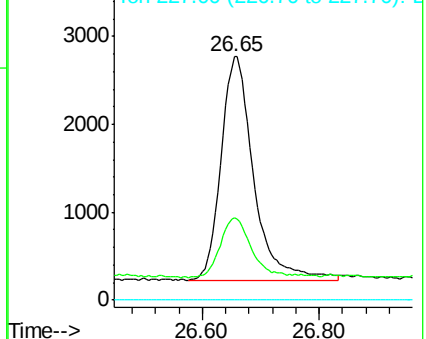
276 100

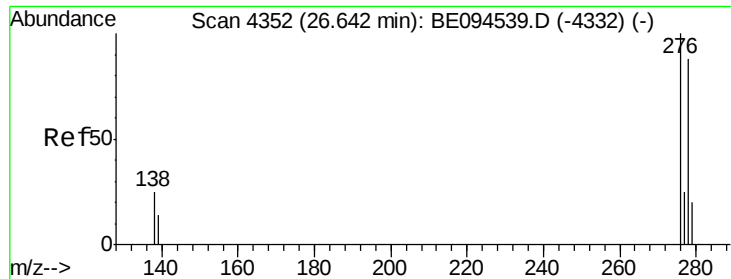
138 25.6 28.0 42.0#

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

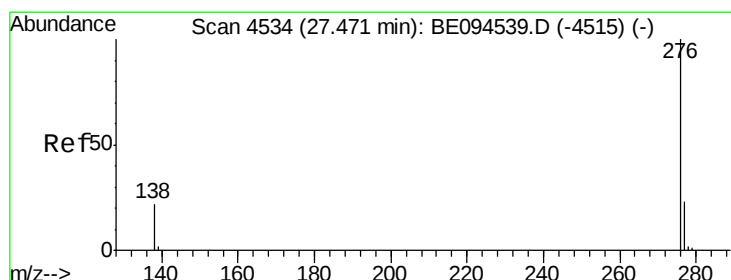
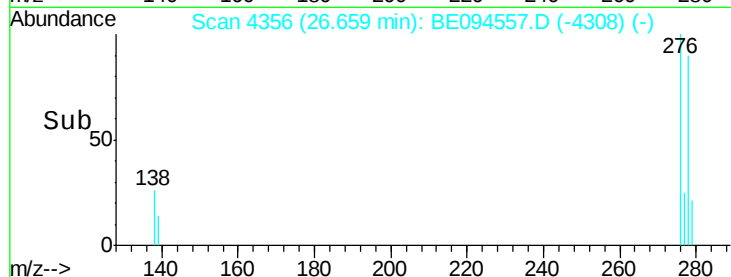
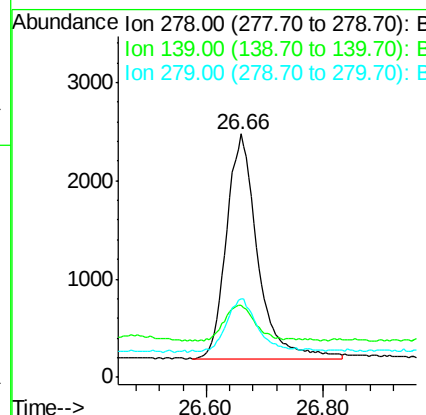
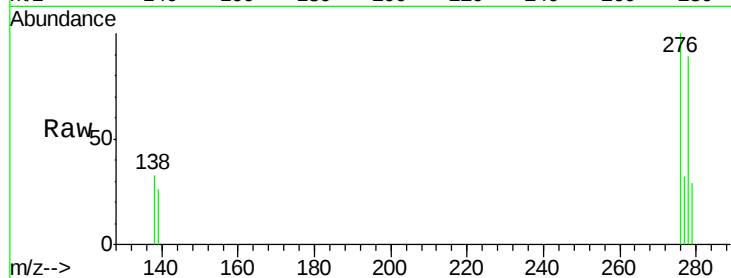




#25
Dibenzo(a,h)anthracene
Concen: 0.42 ng/ul
RT: 26.66 min Scan# 4356
Delta R.T. 0.02 min
Lab File: BE094557.D
Acq: 26 Oct 2017 10:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 8442
Ion Ratio Lower Upper
278 100
139 29.6 17.4 26.0#
279 32.1 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.41 ng/ul
RT: 27.50 min Scan# 4540
Delta R.T. 0.02 min
Lab File: BE094557.D
Acq: 26 Oct 2017 10:06

Tgt Ion:276 Resp: 7788
Ion Ratio Lower Upper
276 100
138 33.3 21.8 32.8#
277 34.3 20.5 30.7#

