

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112217\
 Data File : BE094839.D
 Acq On : 22 Nov 2017 19:30
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 23 00:59:00 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 23 00:56:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	653	0.40	ng/ul	0.03
2) Naphthalene-d8	10.71	136	4074	0.40	ng/ul	0.02
6) Acenaphthene-d10	14.51	164	2896	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	7768	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	8480	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	8150	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	2622	0.40	ng/ul	0.03
14) Fluoranthene-d10	19.28	212	9031	0.34	ng/ul	0.00

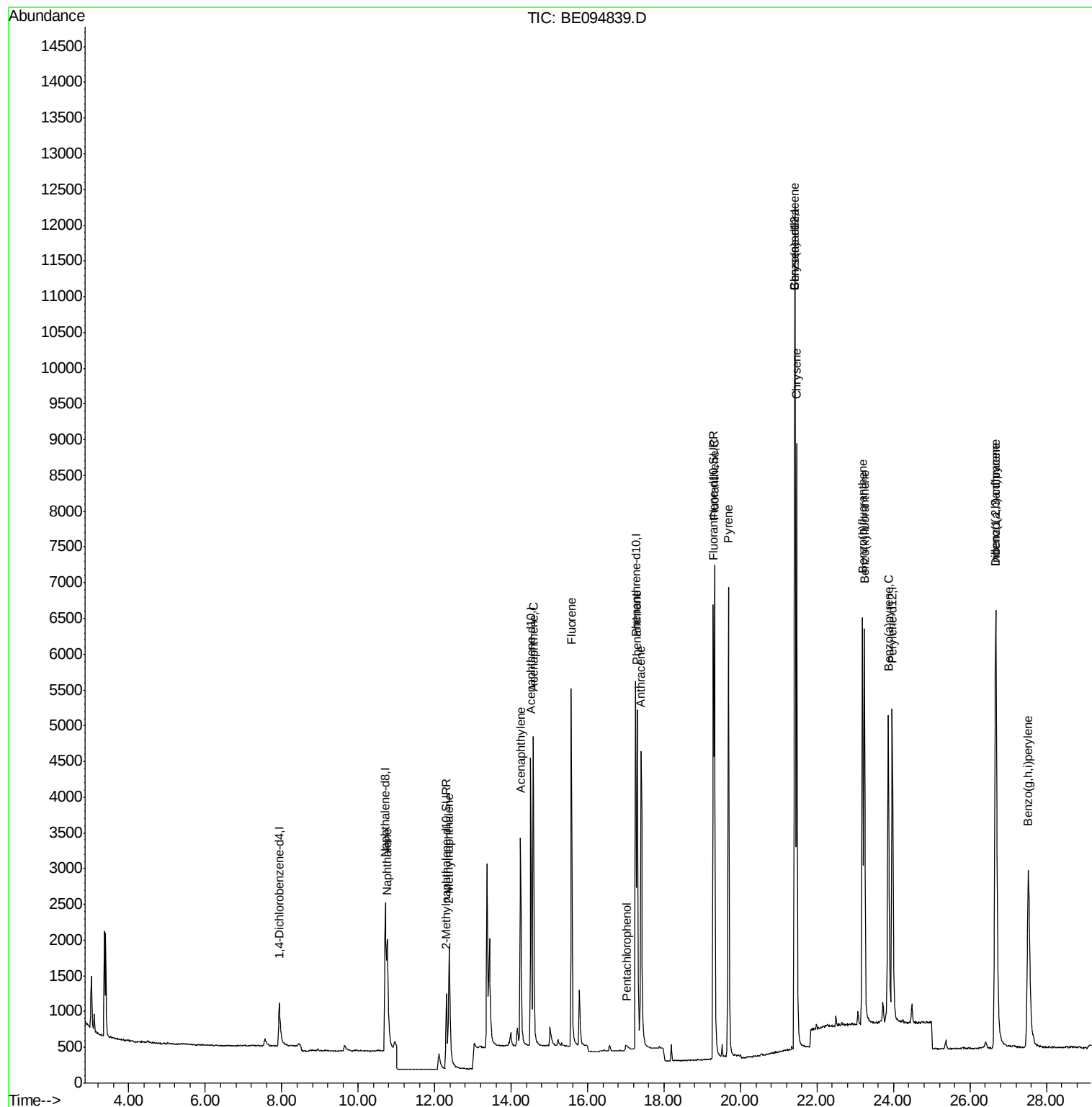
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	3540	0.36	ng/ul#	95
5) 2-Methylnaphthalene	12.38	142	2681	0.40	ng/ul	97
7) Acenaphthylene	14.24	152	4669	0.35	ng/ul	98
8) Acenaphthene	14.58	153	3376	0.36	ng/ul	98
9) Fluorene	15.57	166	4238	0.37	ng/ul	93
11) Pentachlorophenol	17.01	266	198	0.48	ng/ul	96
12) Phenanthrene	17.29	178	7494	0.36	ng/ul#	87
13) Anthracene	17.40	178	7515	0.35	ng/ul#	91
15) Fluoranthene	19.32	202	9305	0.34	ng/ul	84
17) Pyrene	19.68	202	9800	0.37	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	9168	0.36	ng/ul#	86
19) Chrysene	21.47	228	9519	0.37	ng/ul	98
21) Benzo(b)fluoranthene	23.19	252	8739	0.36	ng/ul	87
22) Benzo(k)fluoranthene	23.24	252	9313	0.36	ng/ul#	89
23) Benzo(a)pyrene	23.86	252	8759	0.36	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.68	276	9677	0.37	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.67	278	8141	0.37	ng/ul	92
26) Benzo(g,h,i)perylene	27.52	276	8150	0.37	ng/ul	95

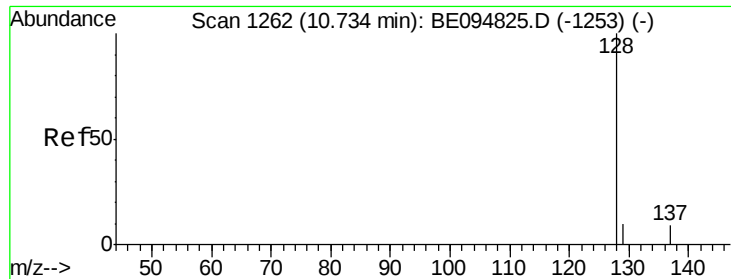
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.36 ng/ul

RT: 10.76 min Scan# 1268

Delta R.T. 0.03 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

Instrument :

BNA_E

ClientSampled :

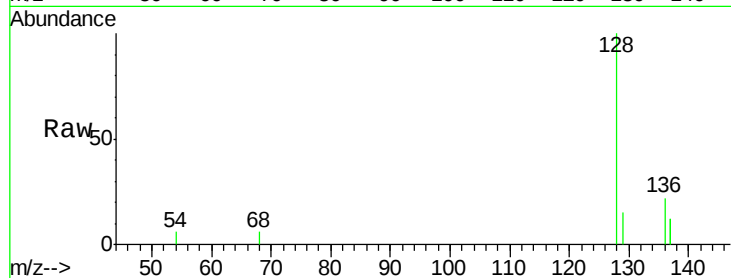
Tot Ion:128 Resp: 3540

Ion Ratio Lower Upper

128 100

129 14.5 11.3 16.9

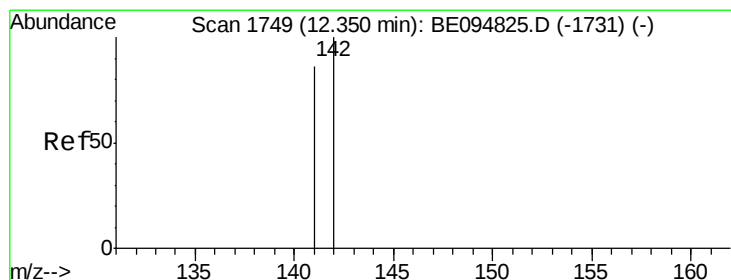
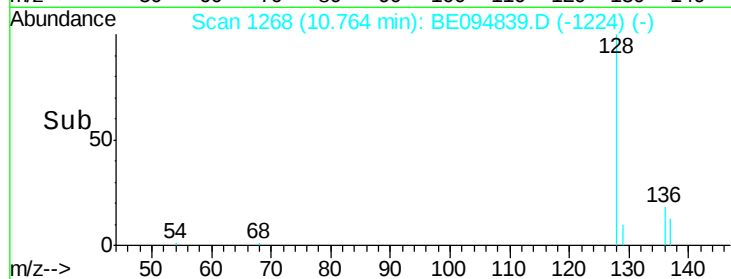
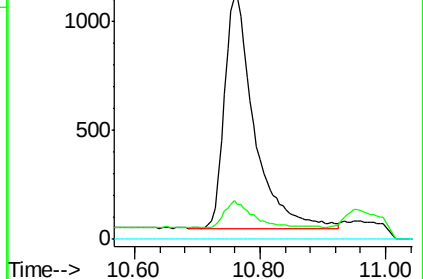
127 0.0 4.0 6.0#



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: 0.40 ng/ul

RT: 12.38 min Scan# 1759

Delta R.T. 0.03 min

Lab File: BE094839.D

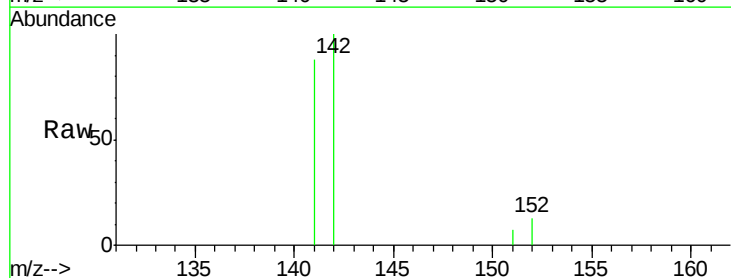
Acq: 22 Nov 2017 19:30

Tgt Ion:142 Resp: 2681

Ion Ratio Lower Upper

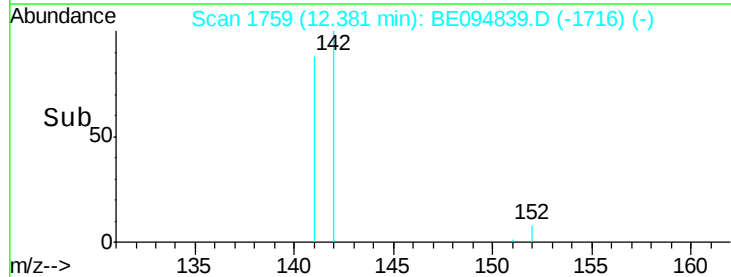
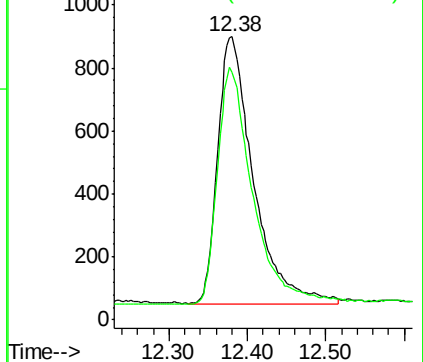
142 100

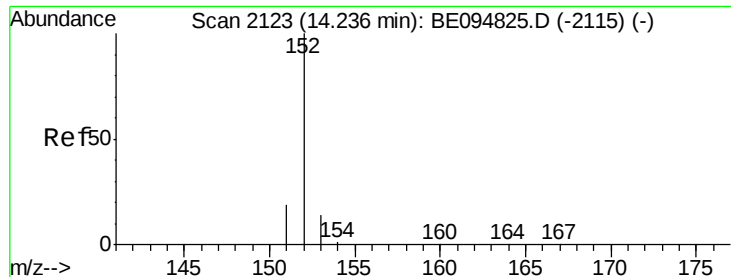
141 88.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.35 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

Instrument :

BNA_E

ClientSampleId :

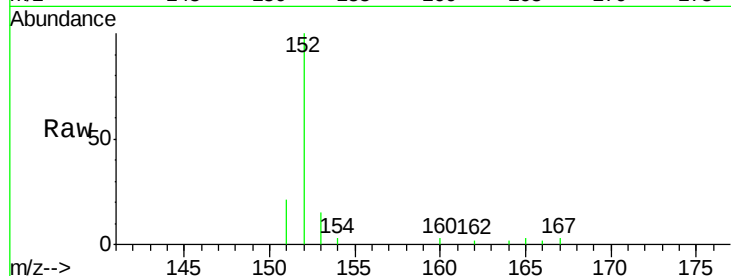
Tot Ion:152 Resp: 4669

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

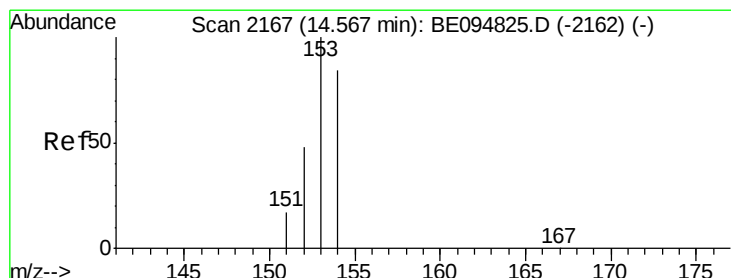
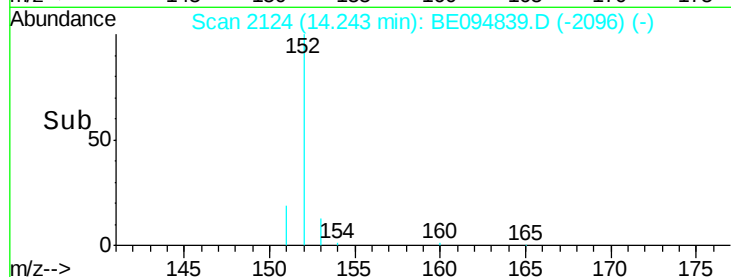
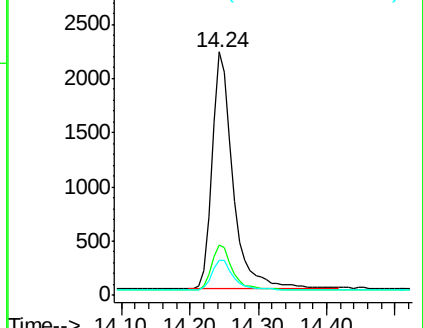
153 14.5 12.8 19.2



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: 0.36 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. 0.02 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

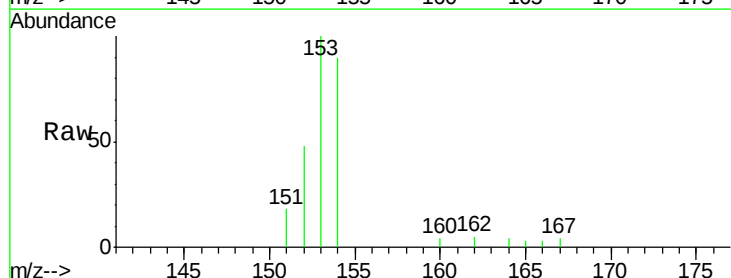
Tgt Ion:153 Resp: 3376

Ion Ratio Lower Upper

153 100

152 48.1 36.0 54.0

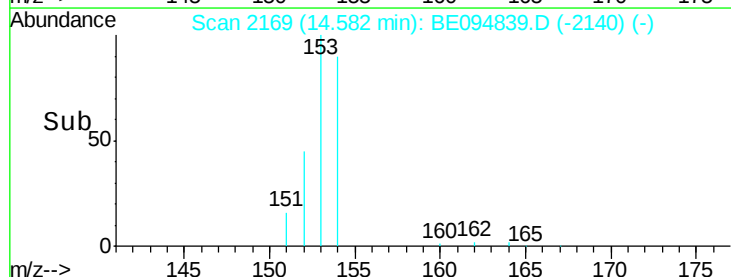
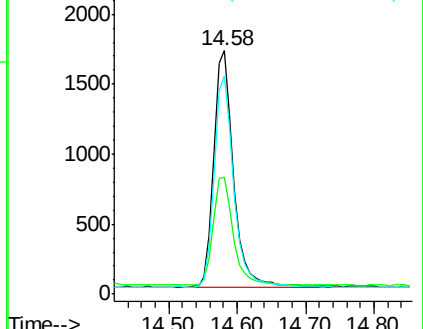
154 89.5 72.0 108.0

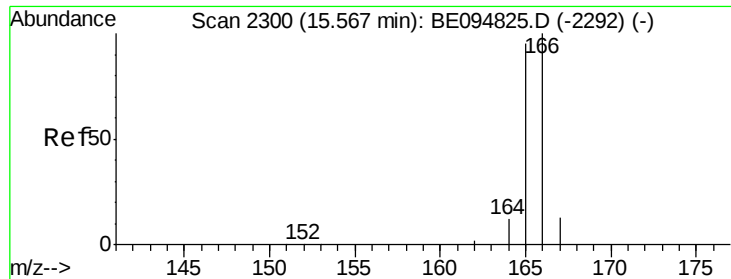


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.37 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. 0.01 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

Instrument :

BNA_E

ClientSampleId :

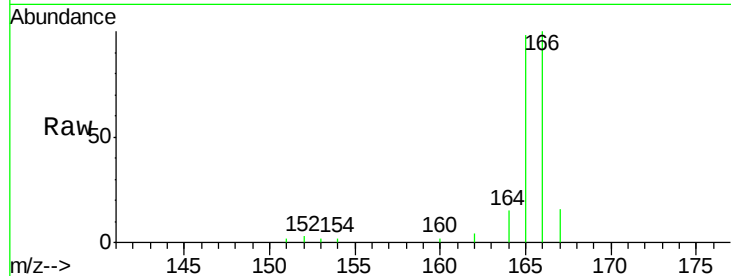
Tot Ion:166 Resp: 4238

Ion Ratio Lower Upper

166 100

165 98.3 73.4 110.2

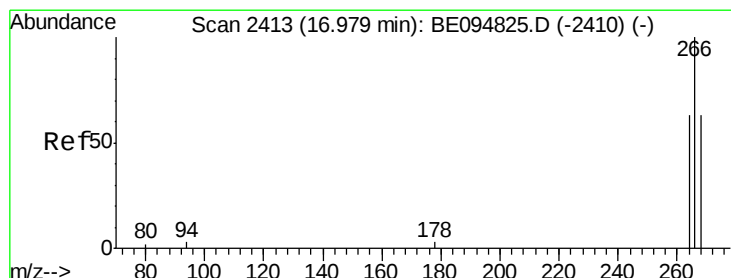
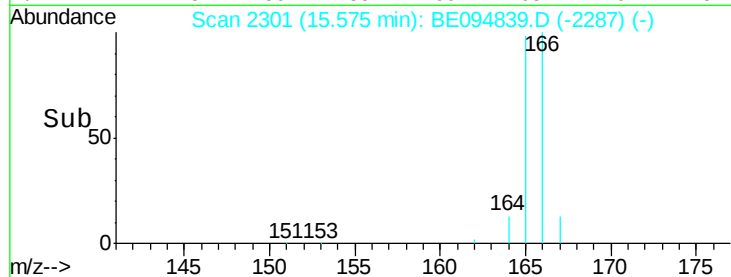
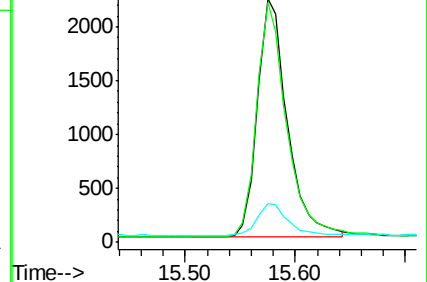
167 15.8 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.48 ng/ul

RT: 17.01 min Scan# 2415

Delta R.T. 0.04 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

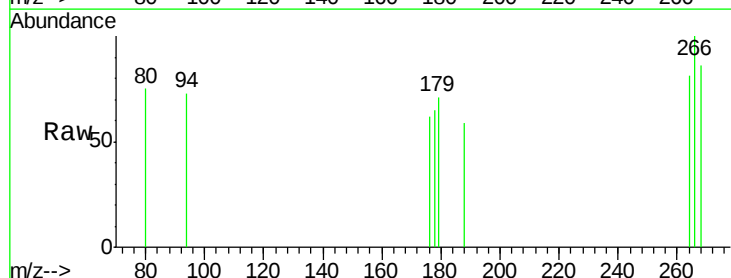
Tgt Ion:266 Resp: 198

Ion Ratio Lower Upper

266 100

264 62.1 47.9 71.9

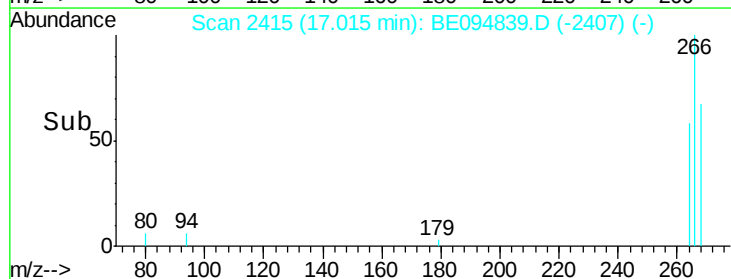
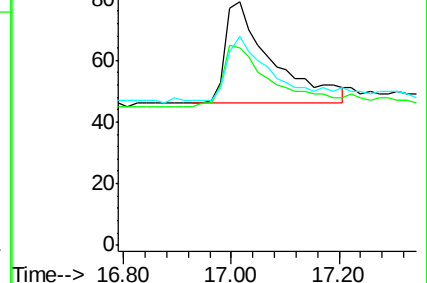
268 58.6 49.8 74.8

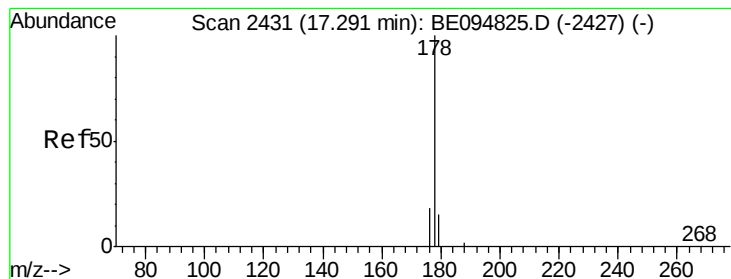


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.36 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

Instrument :

BNA_E

ClientSampleId :

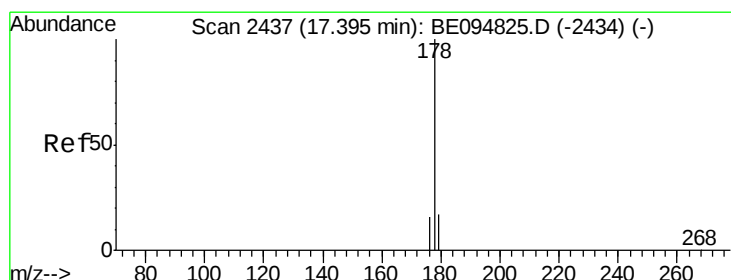
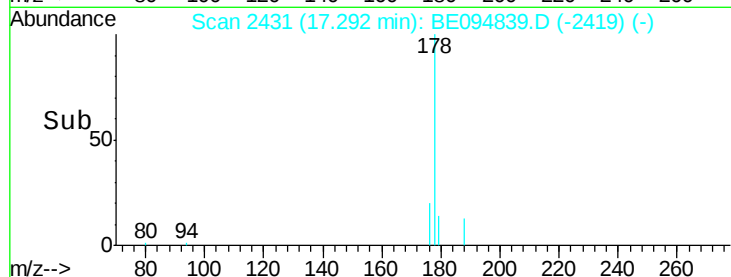
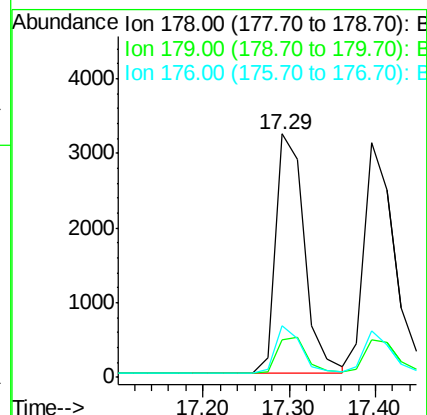
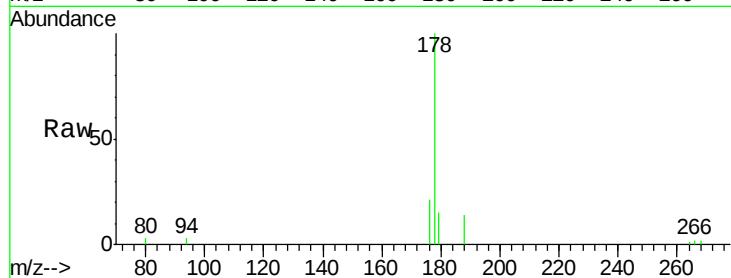
Tot Ion:178 Resp: 7494

Ion Ratio Lower Upper

178 100

179 15.2 18.4 27.6#

176 21.2 13.6 20.4#



#13

Anthracene

Concen: 0.35 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

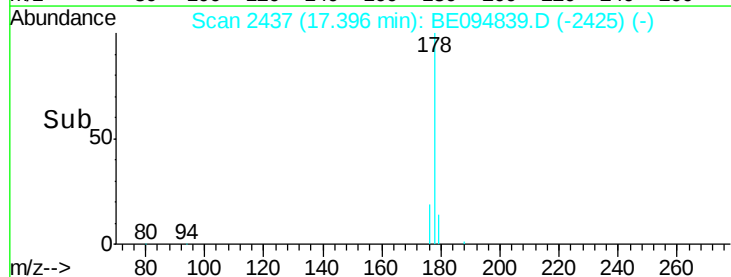
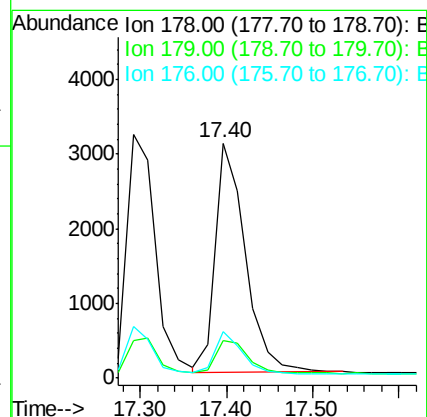
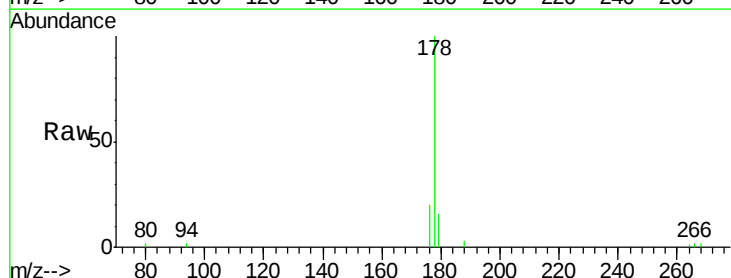
Tgt Ion:178 Resp: 7515

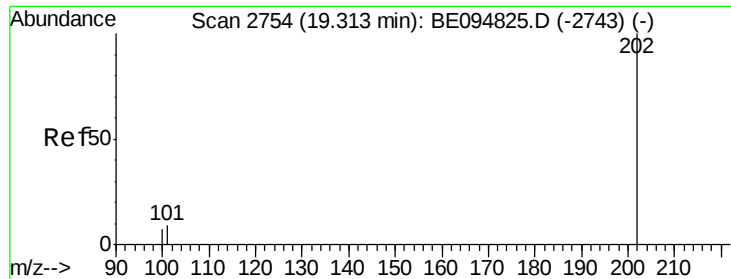
Ion Ratio Lower Upper

178 100

179 16.0 18.1 27.1#

176 20.0 14.7 22.1





#15

Fluoranthene

Concen: 0.34 ng/ul

RT: 19.32 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE094839.D

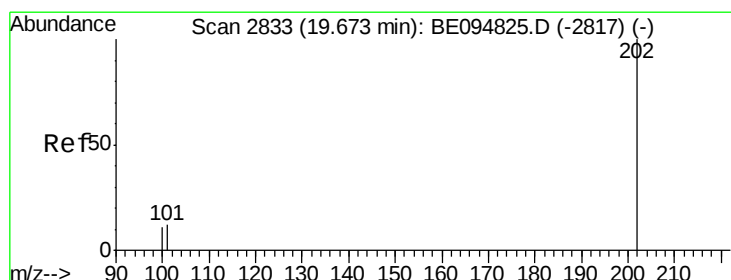
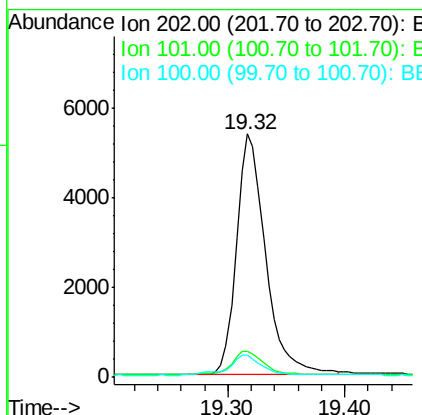
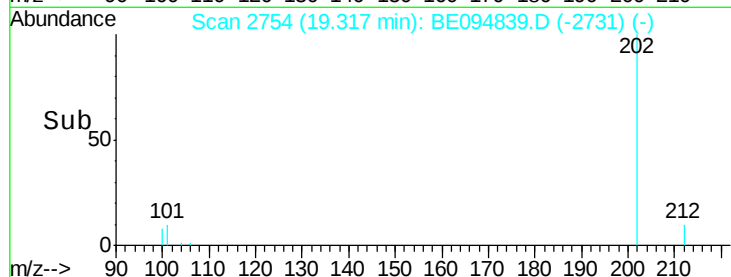
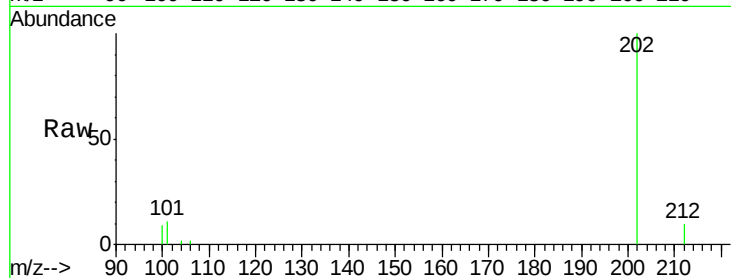
Acq: 22 Nov 2017 19:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	202	Resp:	9305
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.3
100	8.9	0.0	39.5



#17

Pyrene

Concen: 0.37 ng/ul

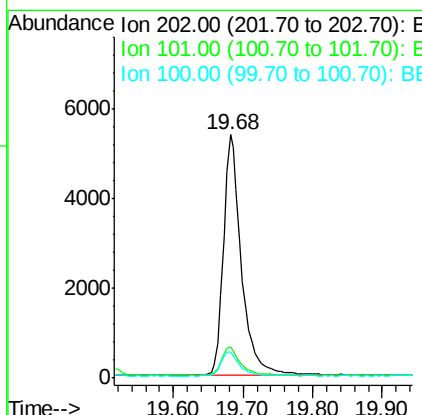
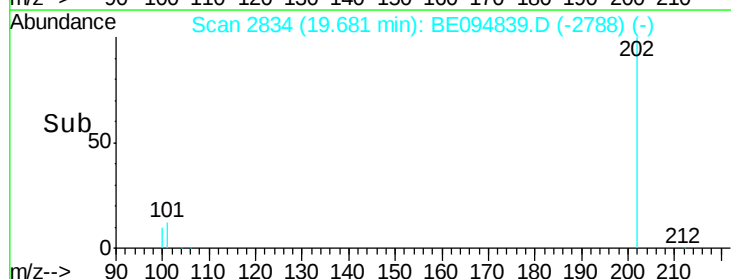
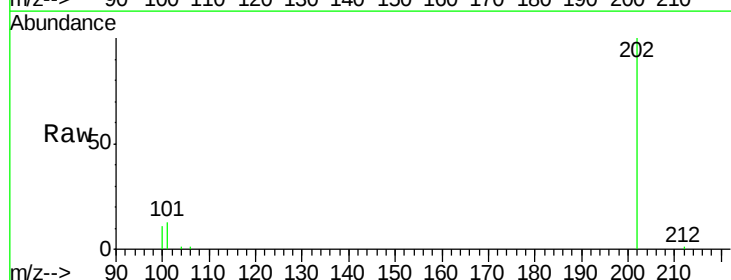
RT: 19.68 min Scan# 2834

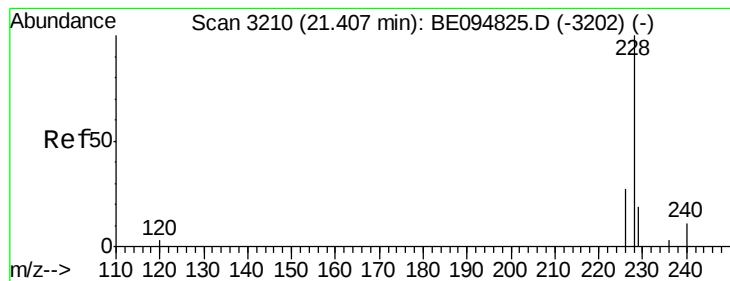
Delta R.T. 0.01 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

Tgt Ion:	202	Resp:	9800
Ion	Ratio	Lower	Upper
202	100		
101	12.8	18.2	27.4#
100	10.9	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.36 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. 0.01 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

Instrument :

BNA_E

ClientSampleId :

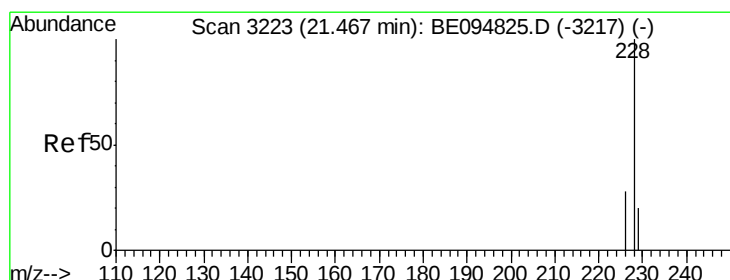
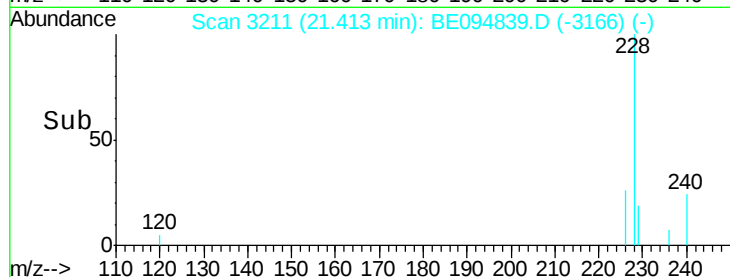
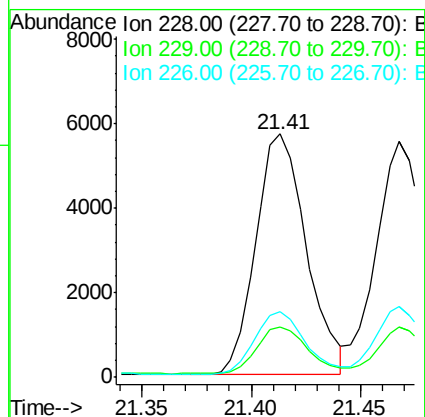
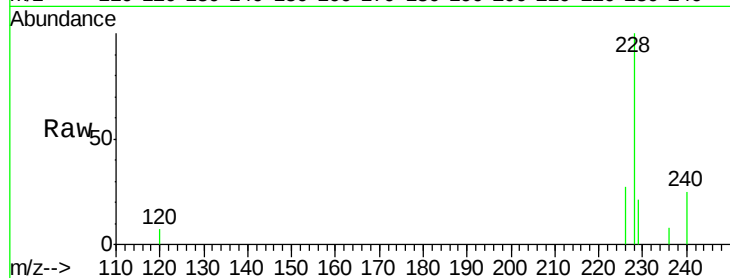
Tot Ion:228 Resp: 9168

Ion Ratio Lower Upper

228 100

229 20.6 22.8 34.2#

226 26.9 17.0 25.6#



#19

Chrysene

Concen: 0.37 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. 0.00 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

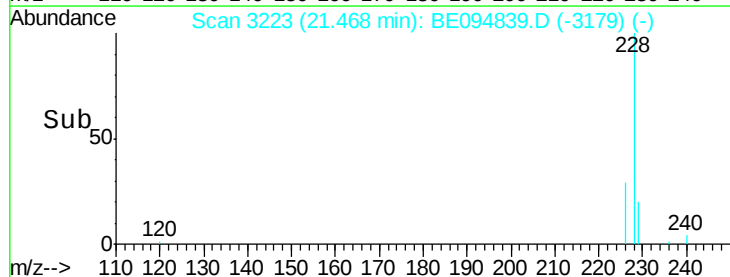
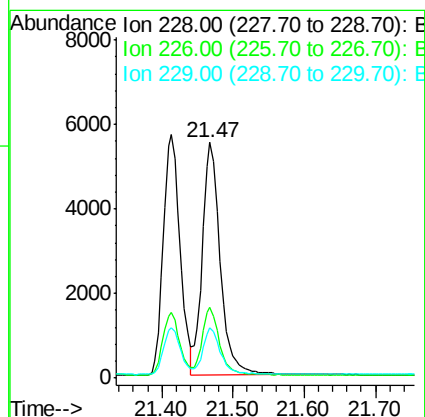
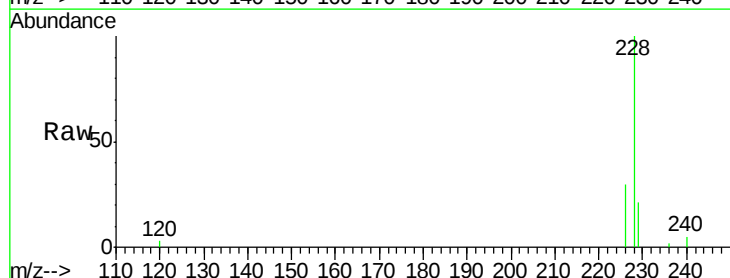
Tgt Ion:228 Resp: 9519

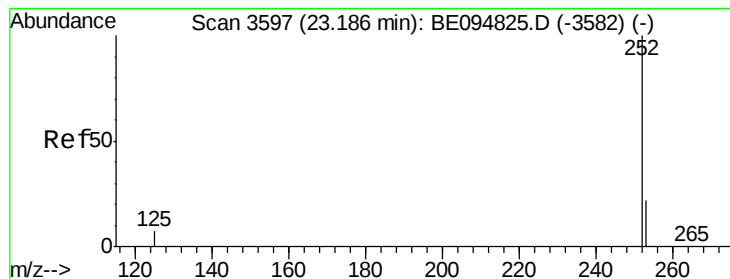
Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

229 21.1 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.36 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

Instrument :

BNA_E

ClientSampleId :

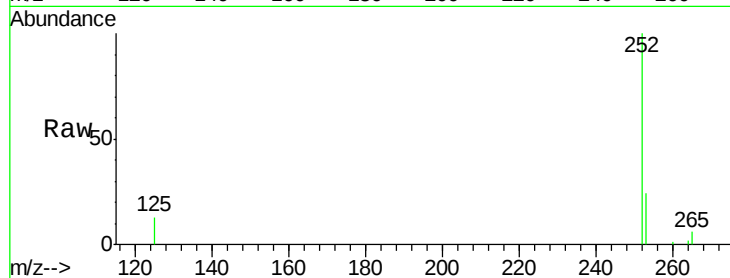
Tot Ion:252 Resp: 8739

Ion Ratio Lower Upper

252 100

253 24.4 0.0 64.2

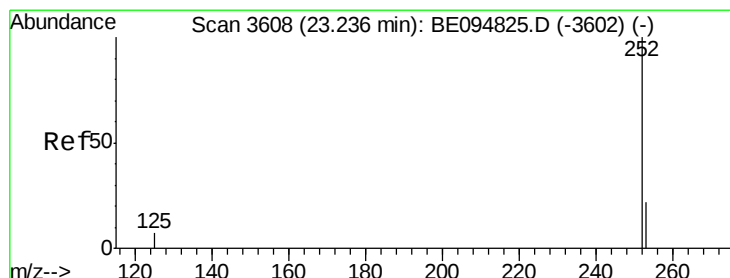
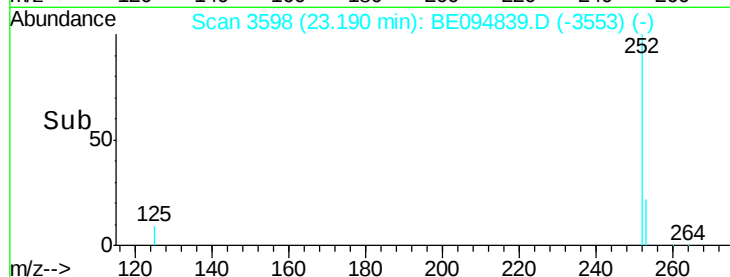
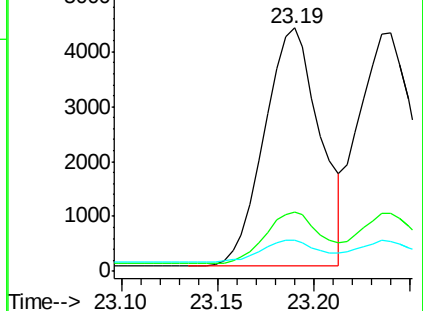
125 12.9 0.0 35.0



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: 0.36 ng/ul

RT: 23.24 min Scan# 3609

Delta R.T. 0.00 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

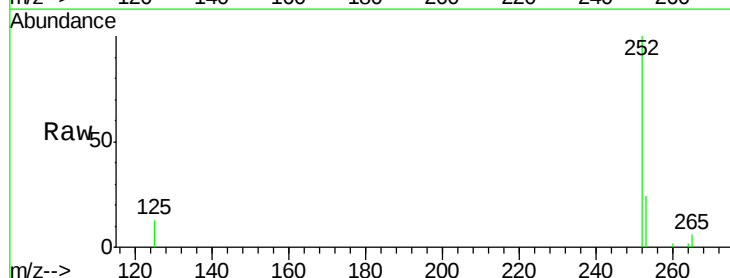
Tgt Ion:252 Resp: 9313

Ion Ratio Lower Upper

252 100

253 24.1 24.5 36.7#

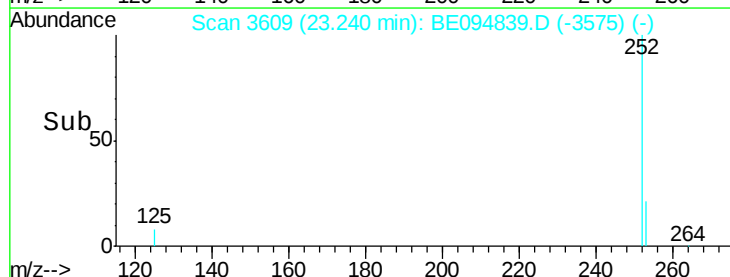
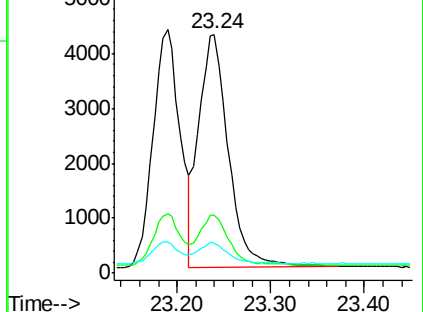
125 12.7 13.7 20.5#

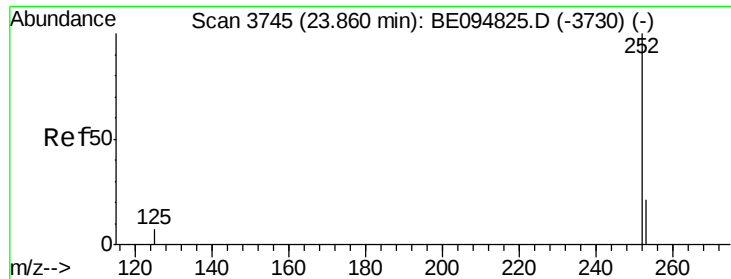


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.36 ng/ul

RT: 23.86 min Scan# 3746

Delta R.T. 0.00 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

Instrument :

BNA_E

ClientSampleId :

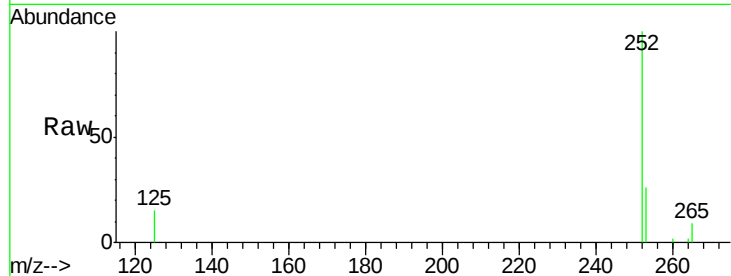
Tot Ion:252 Resp: 8759

Ion Ratio Lower Upper

252 100

253 25.9 28.5 42.7#

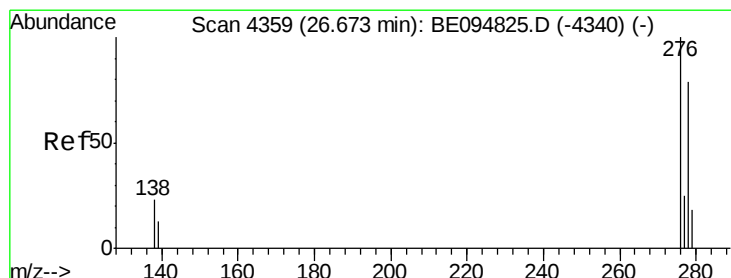
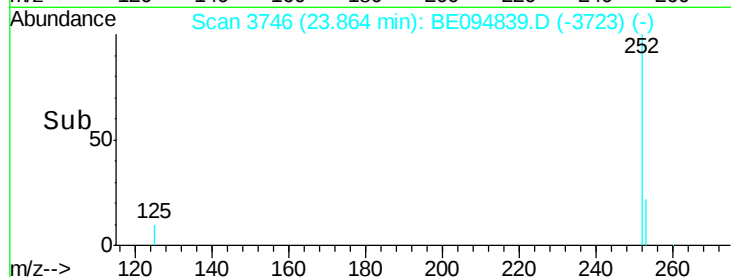
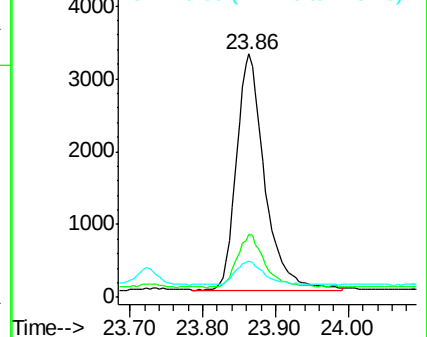
125 14.9 18.1 27.1#



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: 0.37 ng/ul

RT: 26.68 min Scan# 4360

Delta R.T. 0.01 min

Lab File: BE094839.D

Acq: 22 Nov 2017 19:30

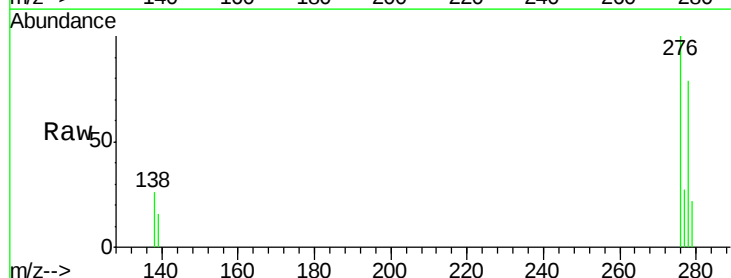
Tgt Ion:276 Resp: 9677

Ion Ratio Lower Upper

276 100

138 23.4 28.0 42.0#

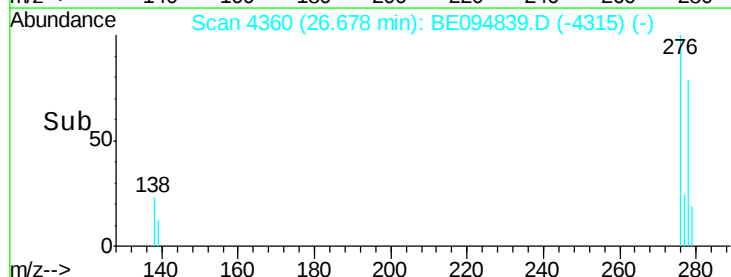
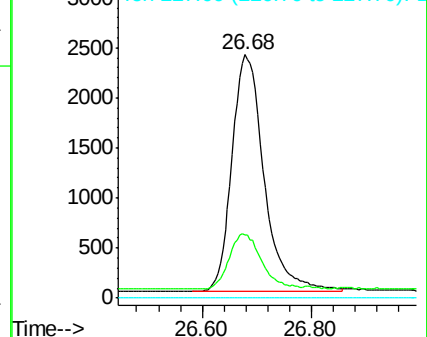
227 0.0 8.0 12.0#

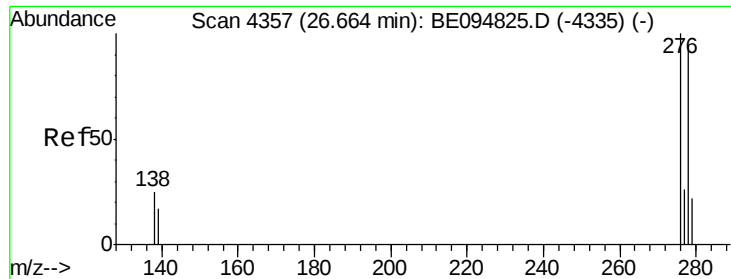


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

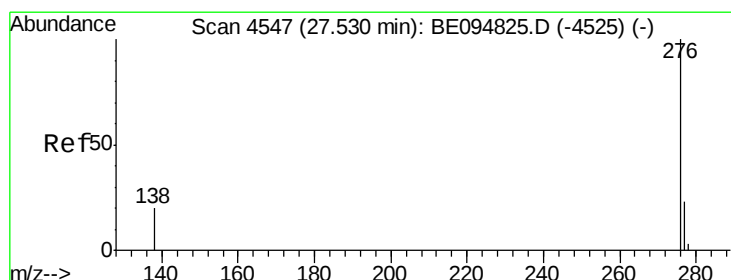
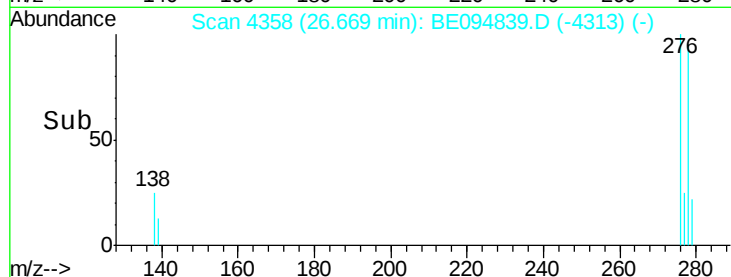
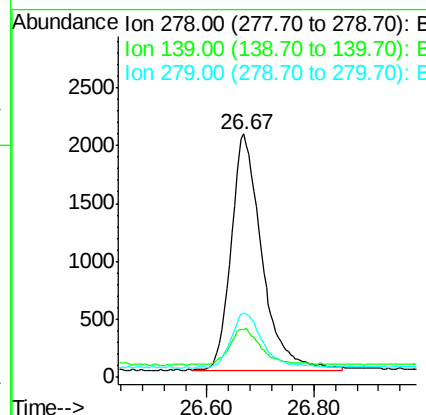
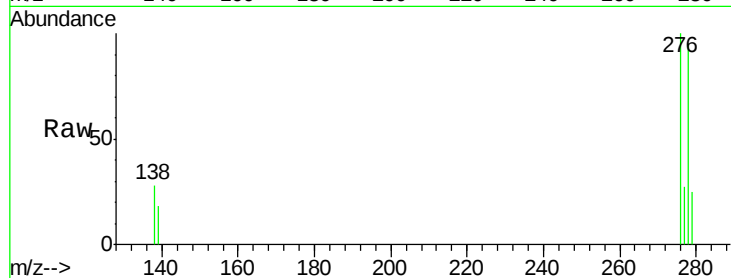




#25
Dibenzo(a,h)anthracene
Concen: 0.37 ng/ul
RT: 26.67 min Scan# 4358
Delta R.T. 0.01 min
Lab File: BE094839.D
Acq: 22 Nov 2017 19:30

Instrument :
BNA_E
ClientSampled :

Tot Ion:278 Resp: 8141
Ion Ratio Lower Upper
278 100
139 19.4 17.4 26.0
279 26.4 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.37 ng/ul
RT: 27.52 min Scan# 4545
Delta R.T. -0.01 min
Lab File: BE094839.D
Acq: 22 Nov 2017 19:30

Tgt Ion:276 Resp: 8150
Ion Ratio Lower Upper
276 100
138 23.9 21.8 32.8
277 27.1 20.5 30.7

