

Data Path : Z:\HPCHEM1\BNA E\DATA\BE093017\
 Data File : BE094153.D
 Acq On : 30 Sep 2017 10:33
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 30 21:56:11 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 01:38:22 2017
 Response via : Initial Calibration

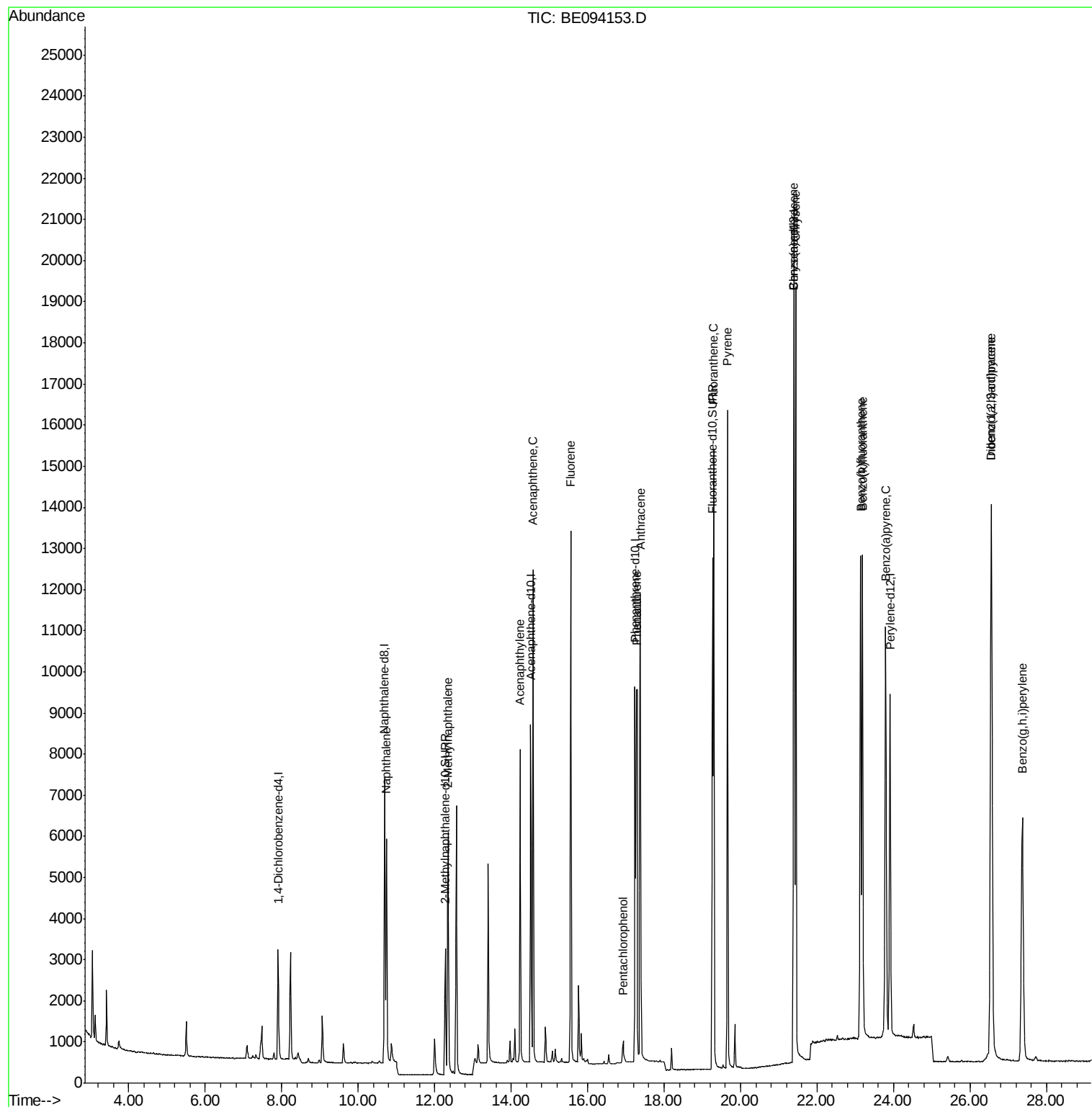
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1427	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7731	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4874	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.24	188	12618	0.40	ng/ul	-0.03
16) Chrysene-d12	21.40	240	13545	0.40	ng/ul	-0.01
20) Perylene-d12	23.91	264	13111	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	4969	0.41	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	14488	0.34	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	8775	0.463	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	5904	0.481	ng/ul	99
7) Acenaphthylene	14.24	152	9820	0.517	ng/ul	96
8) Acenaphthene	14.58	153	7350	0.470	ng/ul	98
9) Fluorene	15.56	166	8481	0.463	ng/ul#	93
11) Pentachlorophenol	16.93	266	680	0.459	ng/ul	97
12) Phenanthrene	17.29	178	14758	0.448	ng/ul#	93
13) Anthracene	17.38	178	14028	0.437	ng/ul#	92
15) Fluoranthene	19.30	202	17548	0.405	ng/ul	84
17) Pyrene	19.66	202	18654	0.495	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	17694	0.492	ng/ul#	85
19) Chrysene	21.44	228	18115	0.437	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	17198	0.483	ng/ul	86
22) Benzo(k)fluoranthene	23.19	252	17254	0.419	ng/ul#	88
23) Benzo(a)pyrene	23.80	252	16692	0.451	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.55	276	17857	0.472	ng/ul#	84
25) Dibenzo(a,h)anthracene	26.56	278	15111	0.476	ng/ul#	90
26) Benzo(g,h,i)perylene	27.37	276	15290	0.468	ng/ul	98

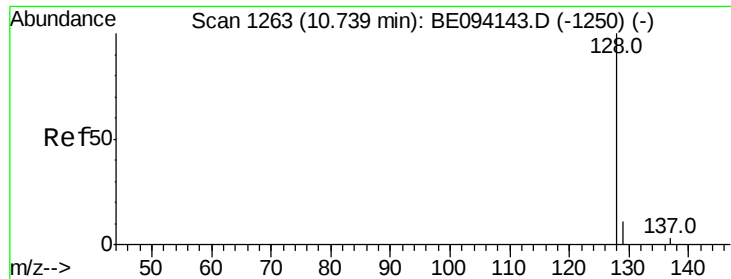
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.463 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

Instrument :

BNA_E

ClientSampleId :

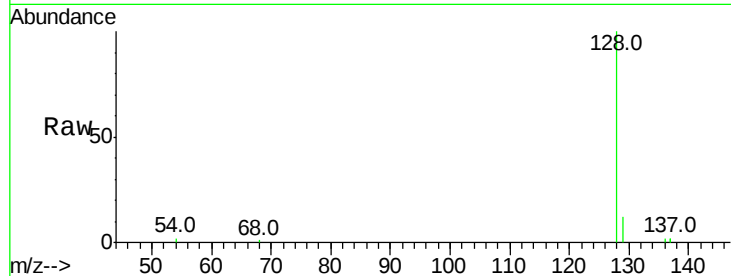
Tot Ion:128 Resp: 8775

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

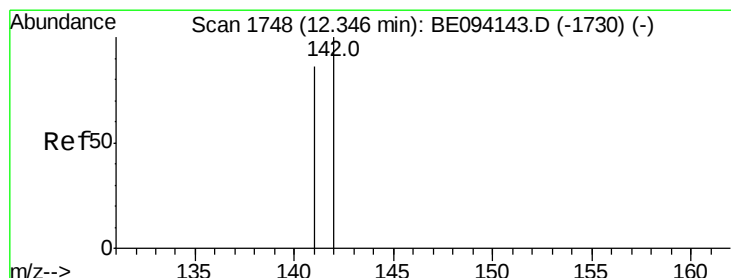
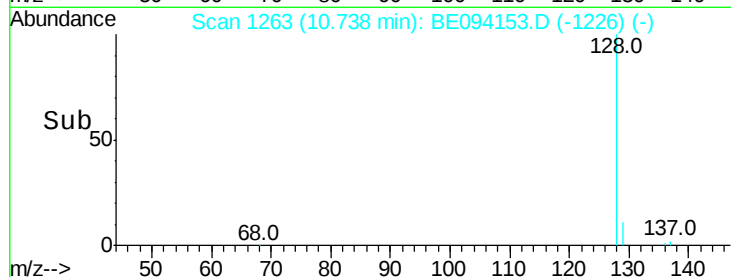
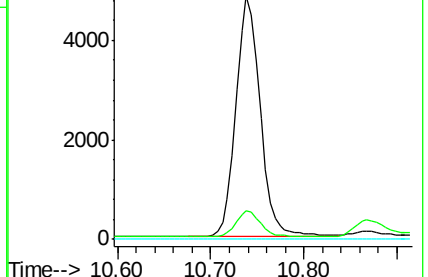
127 0.0 4.0 6.0#



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: 0.481 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094153.D

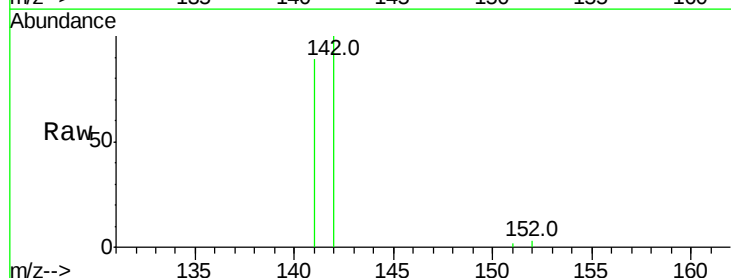
Acq: 30 Sep 2017 10:33

Tgt Ion:142 Resp: 5904

Ion Ratio Lower Upper

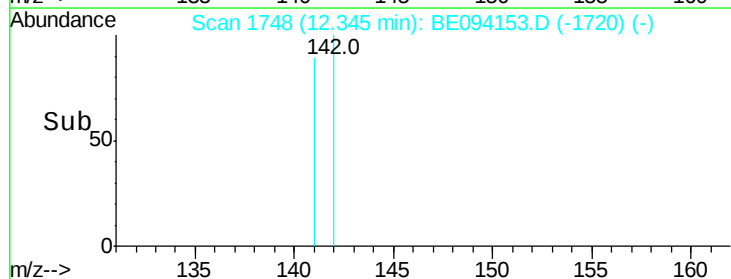
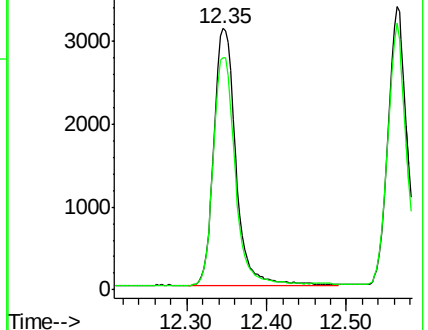
142 100

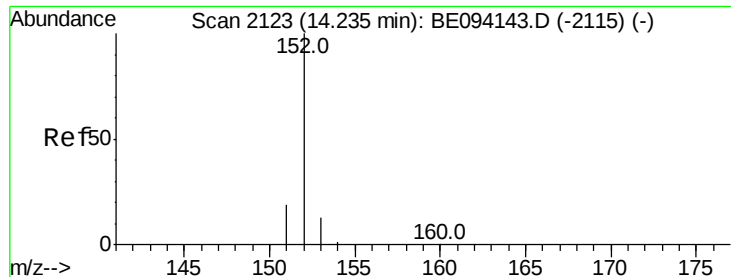
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.517 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

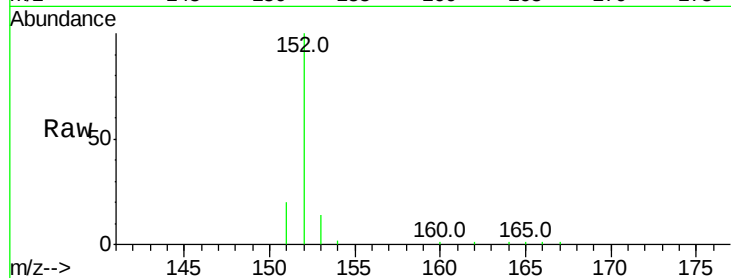
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 9820

Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.1	25.7
153	13.9	12.8	19.2

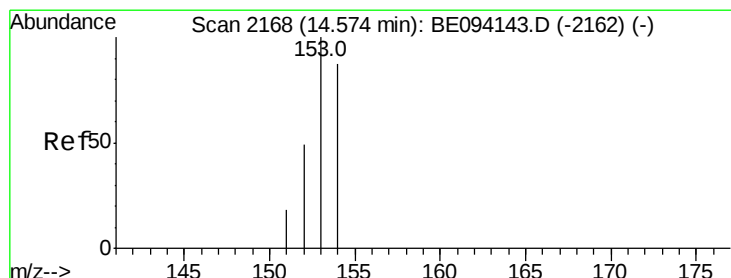
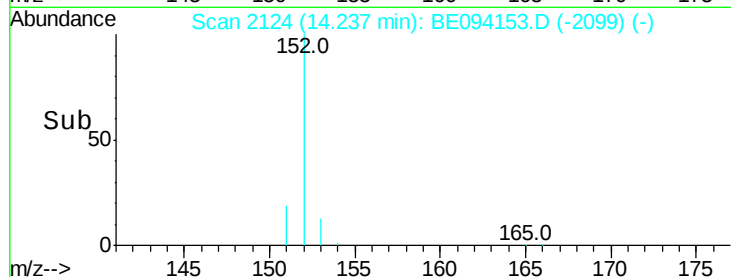
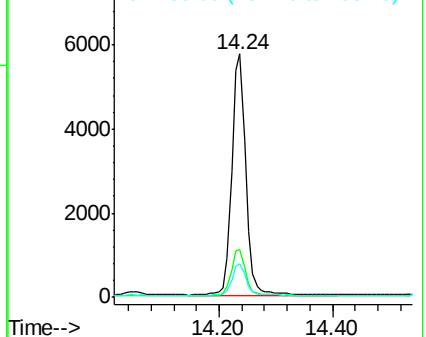


Abundance

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: 0.470 ng/ul

RT: 14.58 min Scan# 2169

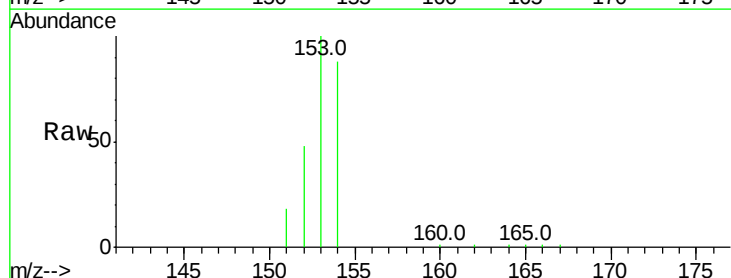
Delta R.T. -0.01 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

Tgt Ion:153 Resp: 7350

Ion	Ratio	Lower	Upper
153	100		
152	48.2	40.3	60.5
154	88.5	71.4	107.2

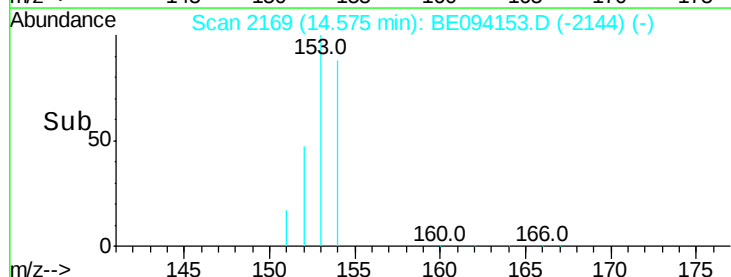
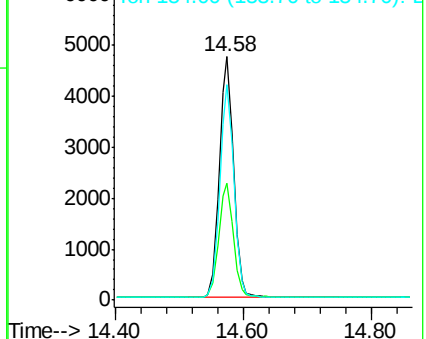


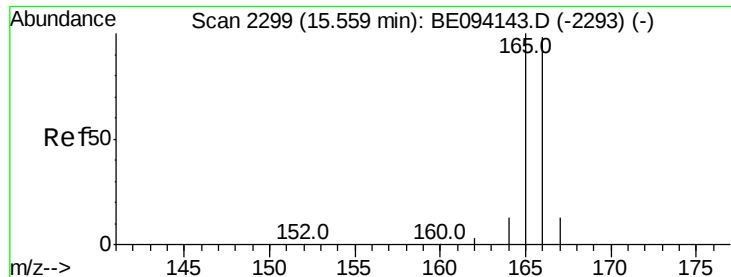
Abundance

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

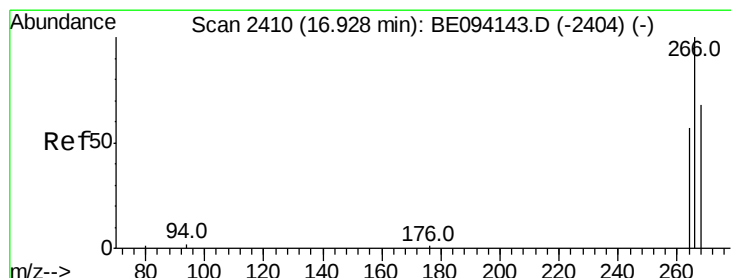
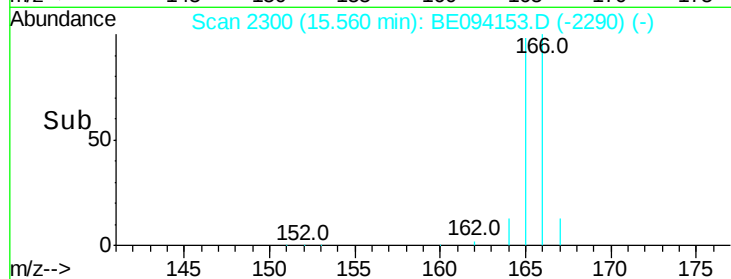
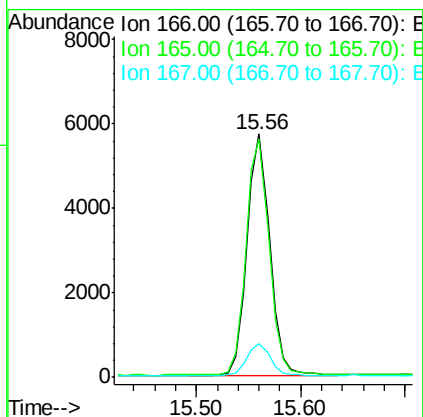
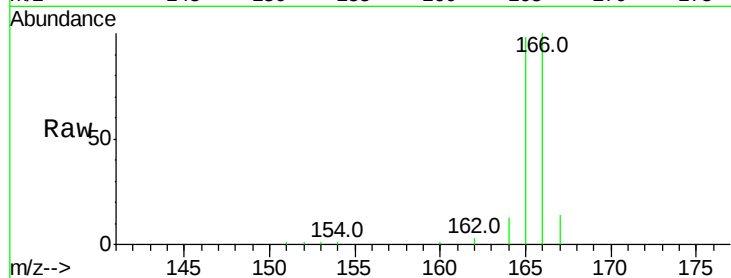




#9
Fluorene
 Concen: 0.463 ng/ul
 RT: 15.56 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: BE094153.D
 Acq: 30 Sep 2017 10:33

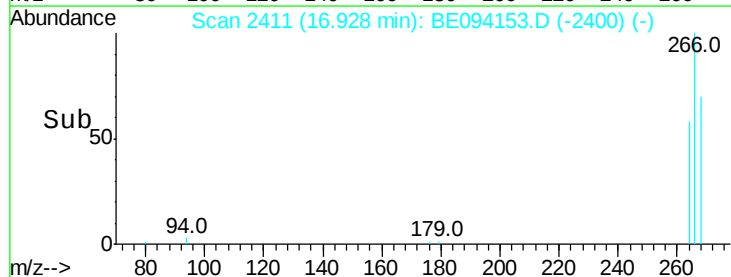
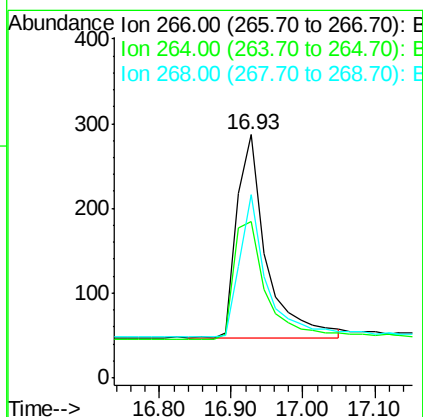
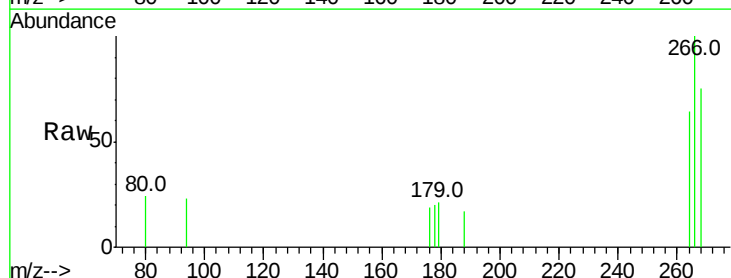
Instrument :
 BNA_E
 ClientSampleId :

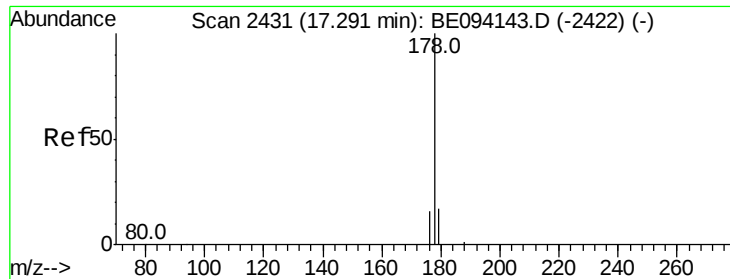
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.0	73.4	110.2
167	13.9	14.6	22.0



#11
Pentachlorophenol
 Concen: 0.459 ng/ul
 RT: 16.93 min Scan# 2411
 Delta R.T. -0.02 min
 Lab File: BE094153.D
 Acq: 30 Sep 2017 10:33

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.6	47.9	71.9
268	64.4	49.8	74.8





#12

Phenanthrene

Concen: 0.448 ng/ul

RT: 17.29 min Scan# 2432

Delta R.T. -0.02 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

Instrument :

BNA_E

ClientSampleId :

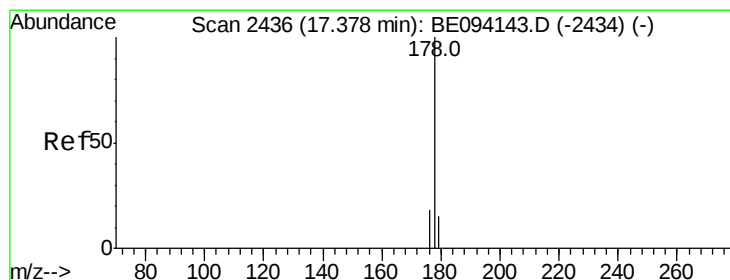
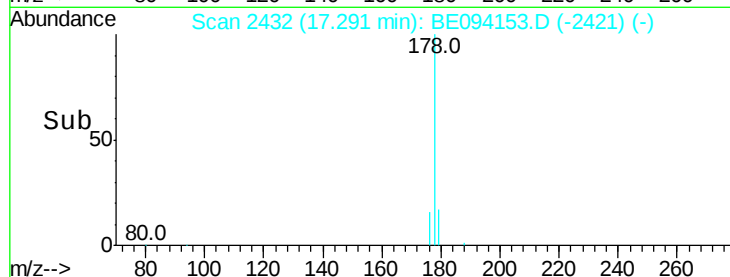
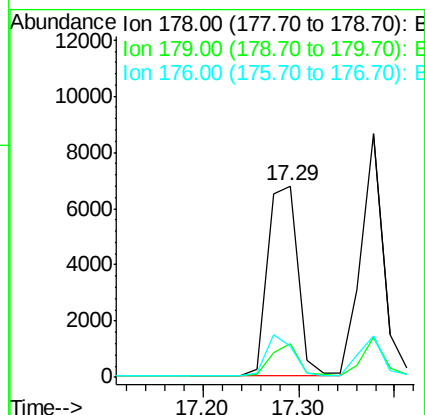
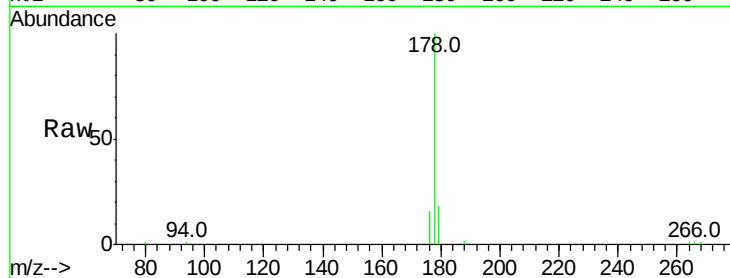
Tot Ion:178 Resp: 14758

Ion Ratio Lower Upper

178 100

179 17.9 18.4 27.6#

176 16.5 13.6 20.4



#13

Anthracene

Concen: 0.437 ng/ul

RT: 17.38 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

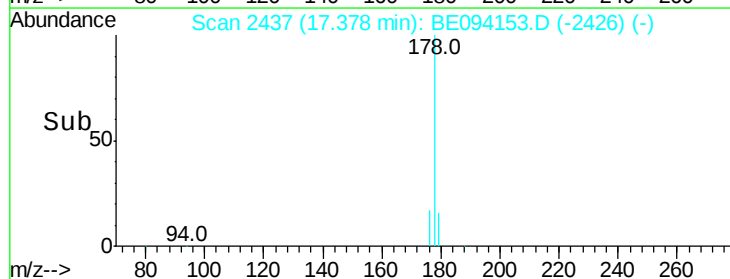
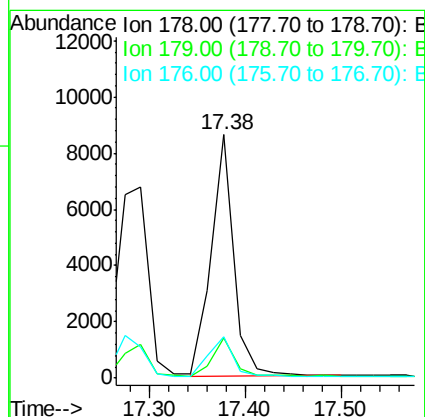
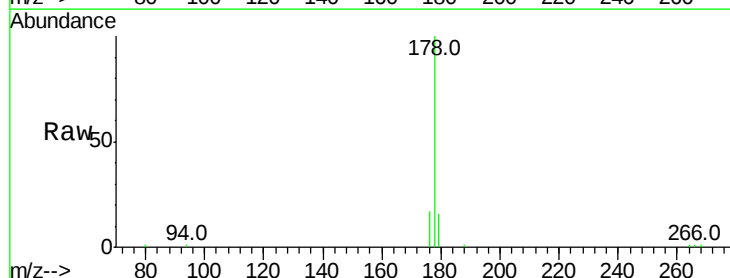
Tgt Ion:178 Resp: 14028

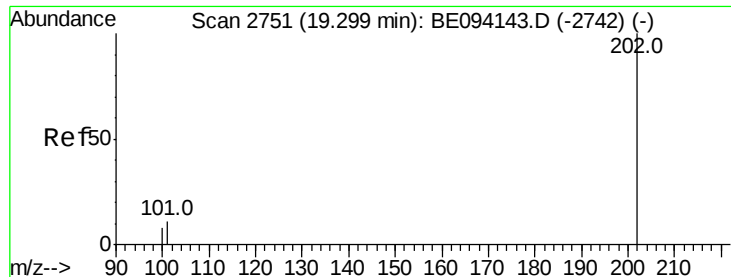
Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

176 17.2 14.7 22.1

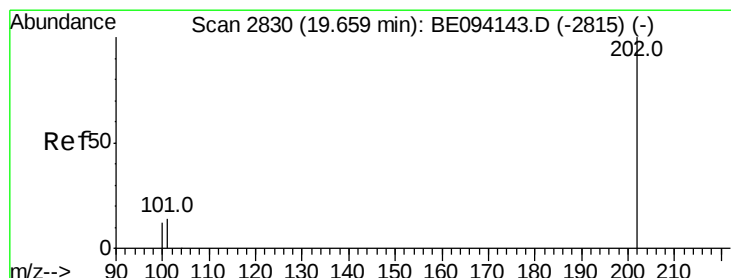
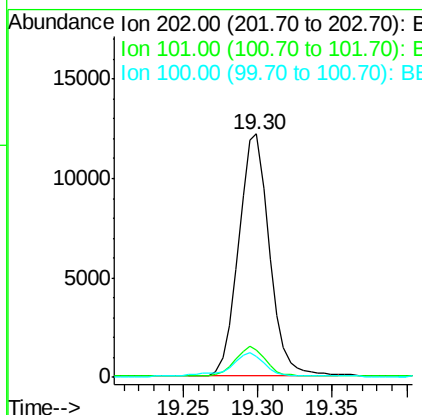
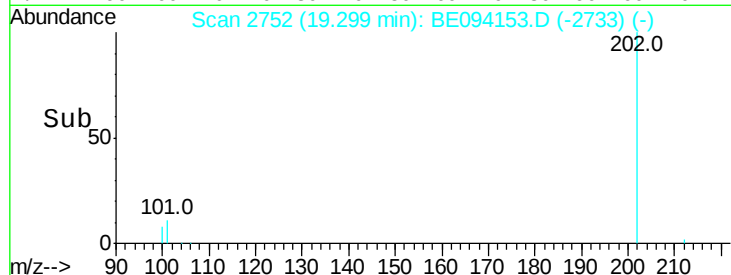
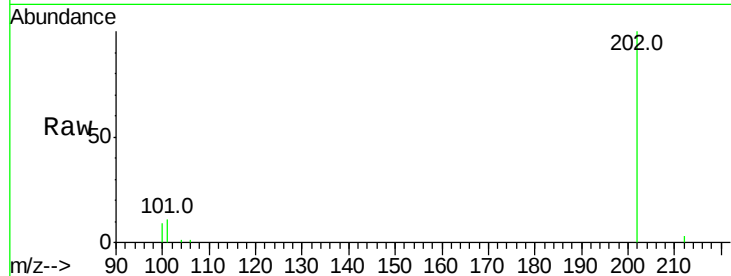




#15
Fluoranthene
Concen: 0.405 ng/ul
RT: 19.30 min Scan# 2752
Delta R.T. -0.01 min
Lab File: BE094153.D
Acq: 30 Sep 2017 10:33

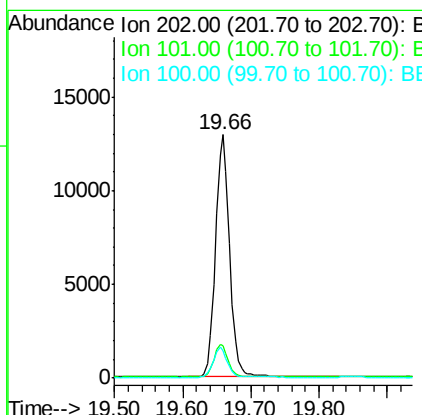
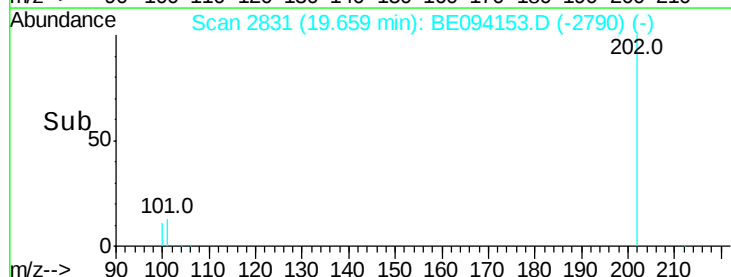
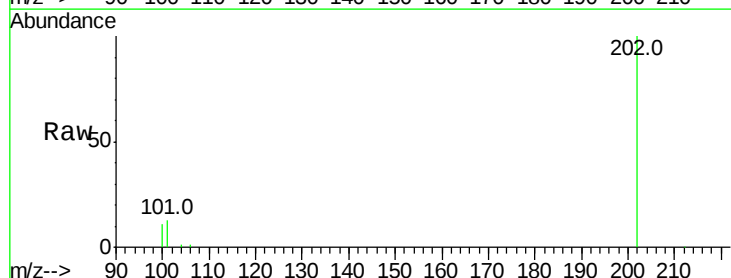
Instrument :
BNA_E
ClientSampleId :

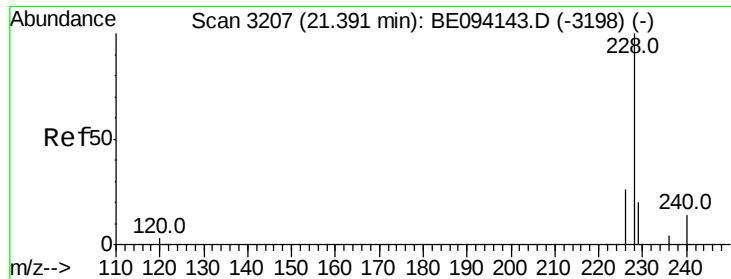
Tot Ion:202 Resp: 17548
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.3
100 8.7 0.0 39.5



#17
Pyrene
Concen: 0.495 ng/ul
RT: 19.66 min Scan# 2831
Delta R.T. -0.01 min
Lab File: BE094153.D
Acq: 30 Sep 2017 10:33

Tgt Ion:202 Resp: 18654
Ion Ratio Lower Upper
202 100
101 13.2 18.2 27.4#
100 11.2 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.492 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.02 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

Instrument :

BNA_E

ClientSampleId :

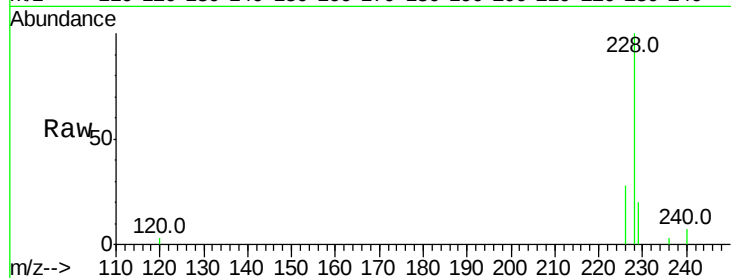
Tot Ion:228 Resp: 17694

Ion Ratio Lower Upper

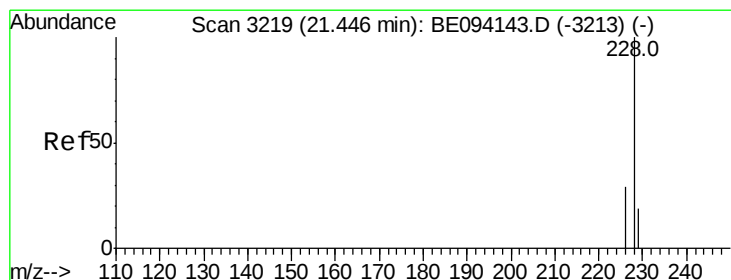
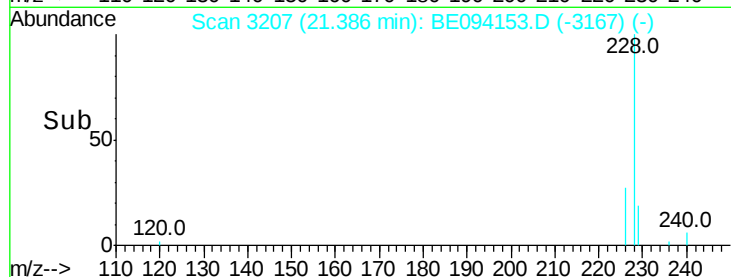
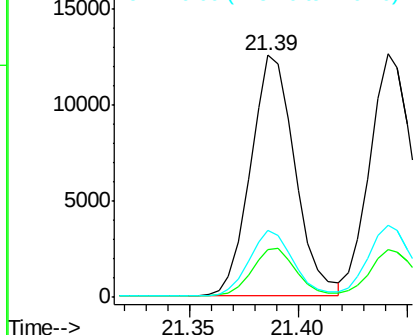
228 100

229 19.8 22.8 34.2#

226 27.7 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: 0.437 ng/ul

RT: 21.44 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

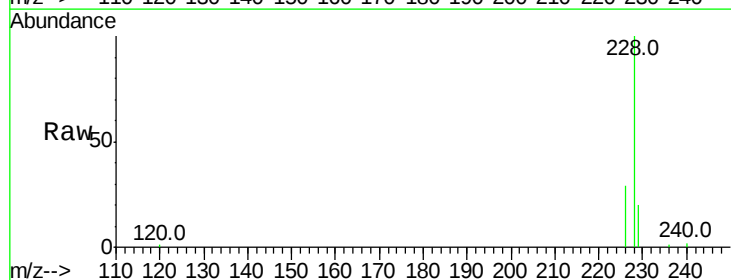
Tgt Ion:228 Resp: 18115

Ion Ratio Lower Upper

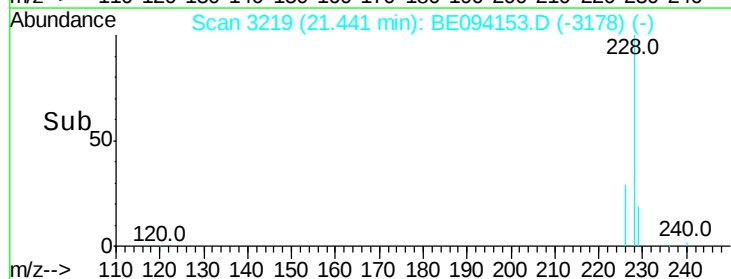
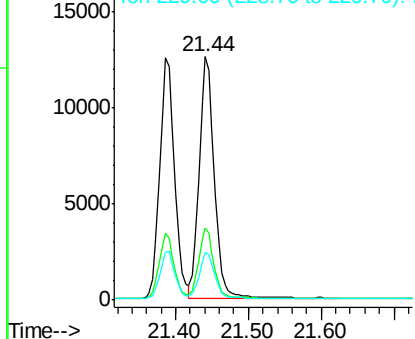
228 100

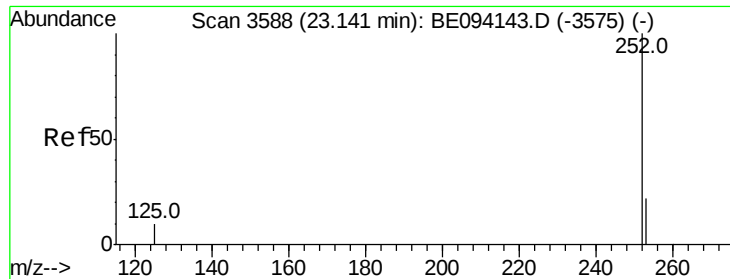
226 29.4 23.4 35.0

229 19.7 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: 0.483 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

Instrument :

BNA_E

ClientSampleId :

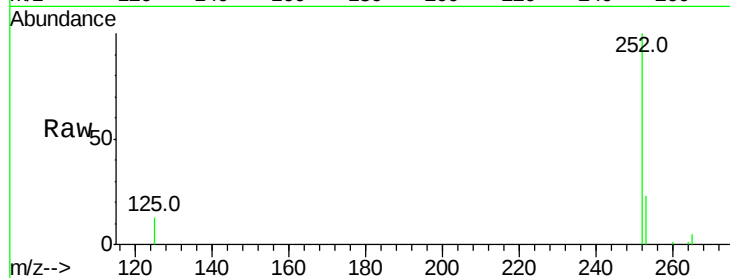
Tot Ion:252 Resp: 17198

Ion Ratio Lower Upper

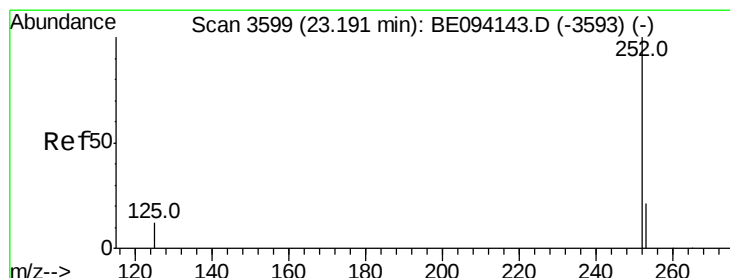
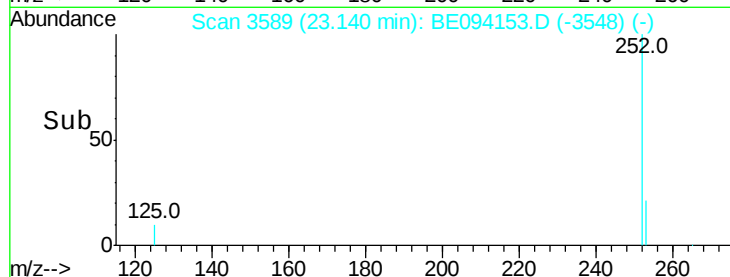
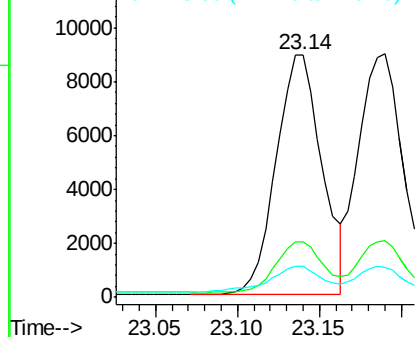
252 100

253 23.0 0.0 64.2

125 12.8 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: 0.419 ng/ul

RT: 23.19 min Scan# 3600

Delta R.T. -0.01 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

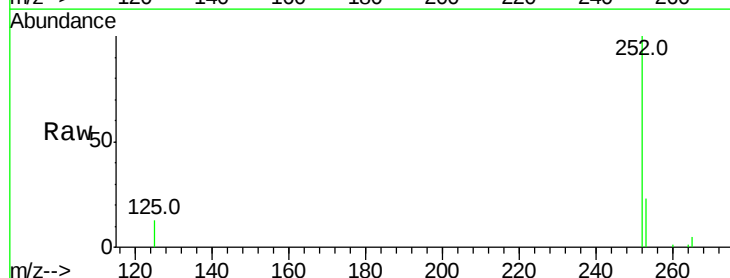
Tgt Ion:252 Resp: 17254

Ion Ratio Lower Upper

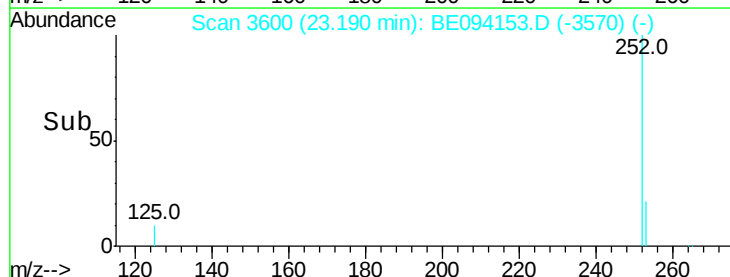
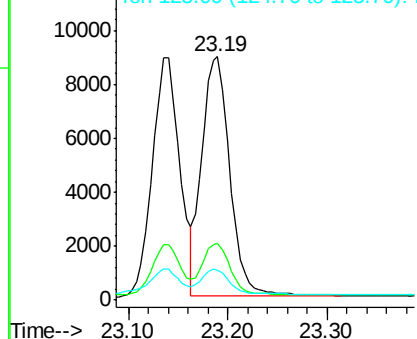
252 100

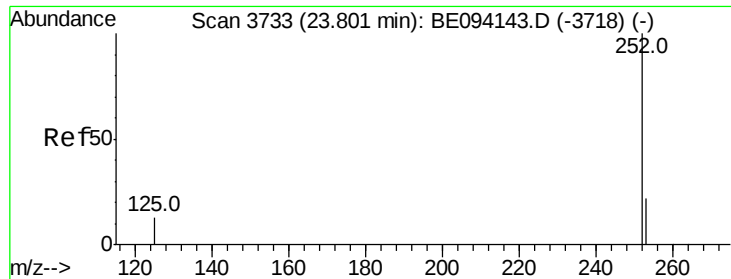
253 23.3 24.5 36.7#

125 12.5 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: 0.451 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

Instrument :

BNA_E

ClientSampleId :

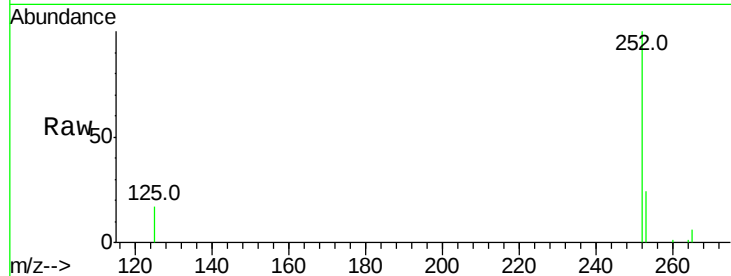
Tot Ion:252 Resp: 16692

Ion Ratio Lower Upper

252 100

253 24.1 28.5 42.7#

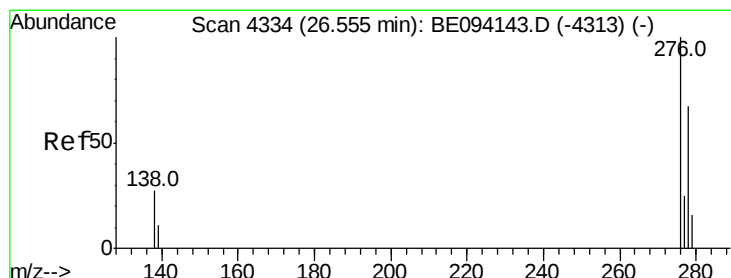
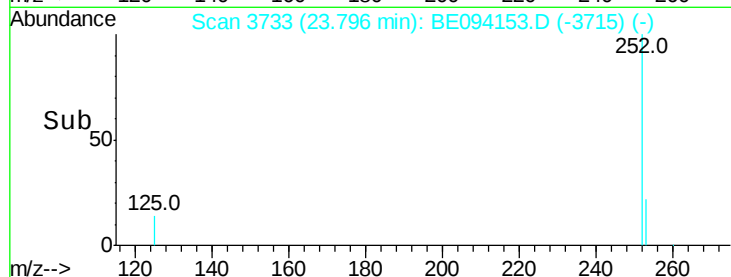
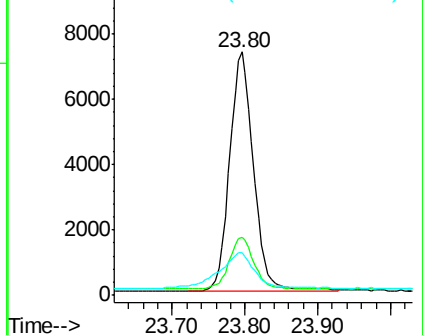
125 17.3 18.1 27.1#



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: 0.472 ng/ul

RT: 26.55 min Scan# 4334

Delta R.T. -0.03 min

Lab File: BE094153.D

Acq: 30 Sep 2017 10:33

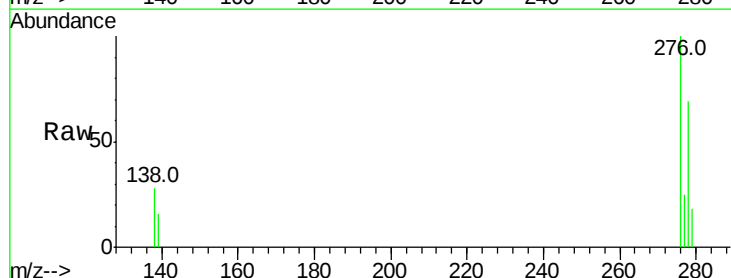
Tgt Ion:276 Resp: 17857

Ion Ratio Lower Upper

276 100

138 27.6 28.0 42.0#

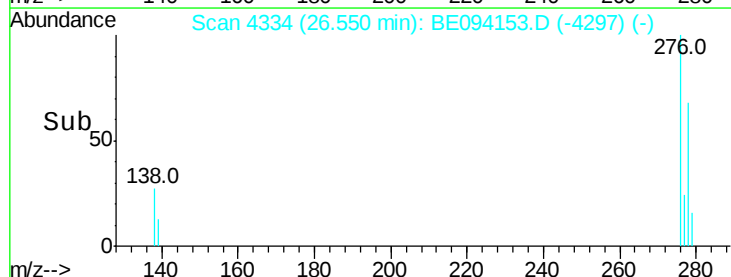
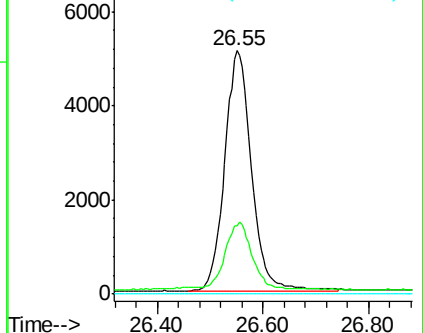
227 0.0 8.0 12.0#

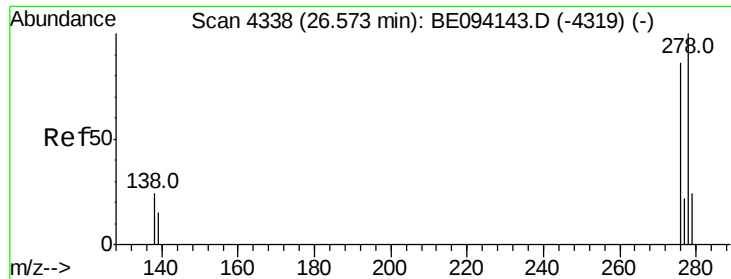


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

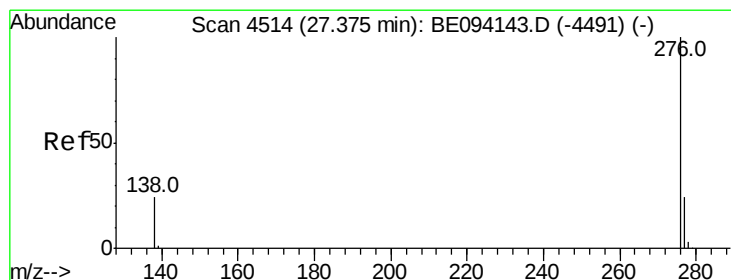
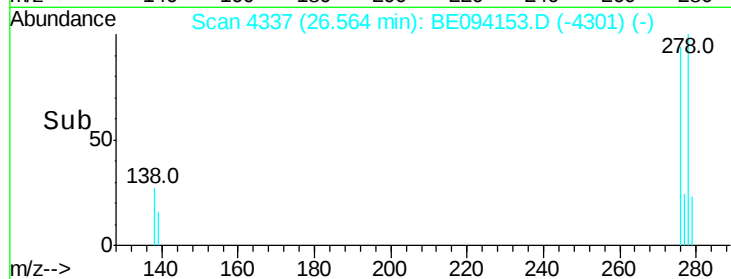
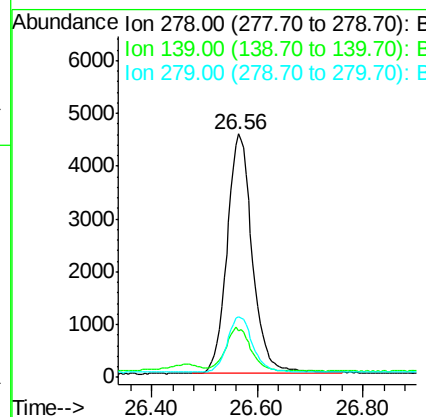
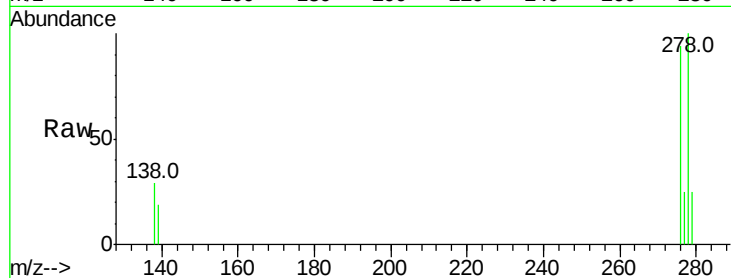




#25
Dibenzo(a,h)anthracene
Concen: 0.476 ng/ul
RT: 26.56 min Scan# 4337
Delta R.T. -0.04 min
Lab File: BE094153.D
Acq: 30 Sep 2017 10:33

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 15111
Ion Ratio Lower Upper
278 100
139 19.2 17.4 26.0
279 24.8 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.468 ng/ul
RT: 27.37 min Scan# 4514
Delta R.T. -0.03 min
Lab File: BE094153.D
Acq: 30 Sep 2017 10:33

Tgt Ion:276 Resp: 15290
Ion Ratio Lower Upper
276 100
138 25.9 21.8 32.8
277 24.8 20.5 30.7

