

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094729.D
 Acq On : 4 Nov 2017 4:01
 Operator : SJ/JU
 Sample : I6032-01 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-31(1-2)-101817

Quant Time: Nov 04 05:18:53 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 04 02:38:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1703	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	10104	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	5621	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	12158	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	11950	0.40	ng/ul	-0.01
20) Perylene-d12	23.95	264	12921	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	780	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	1904	0.05	ng/ul	-0.01

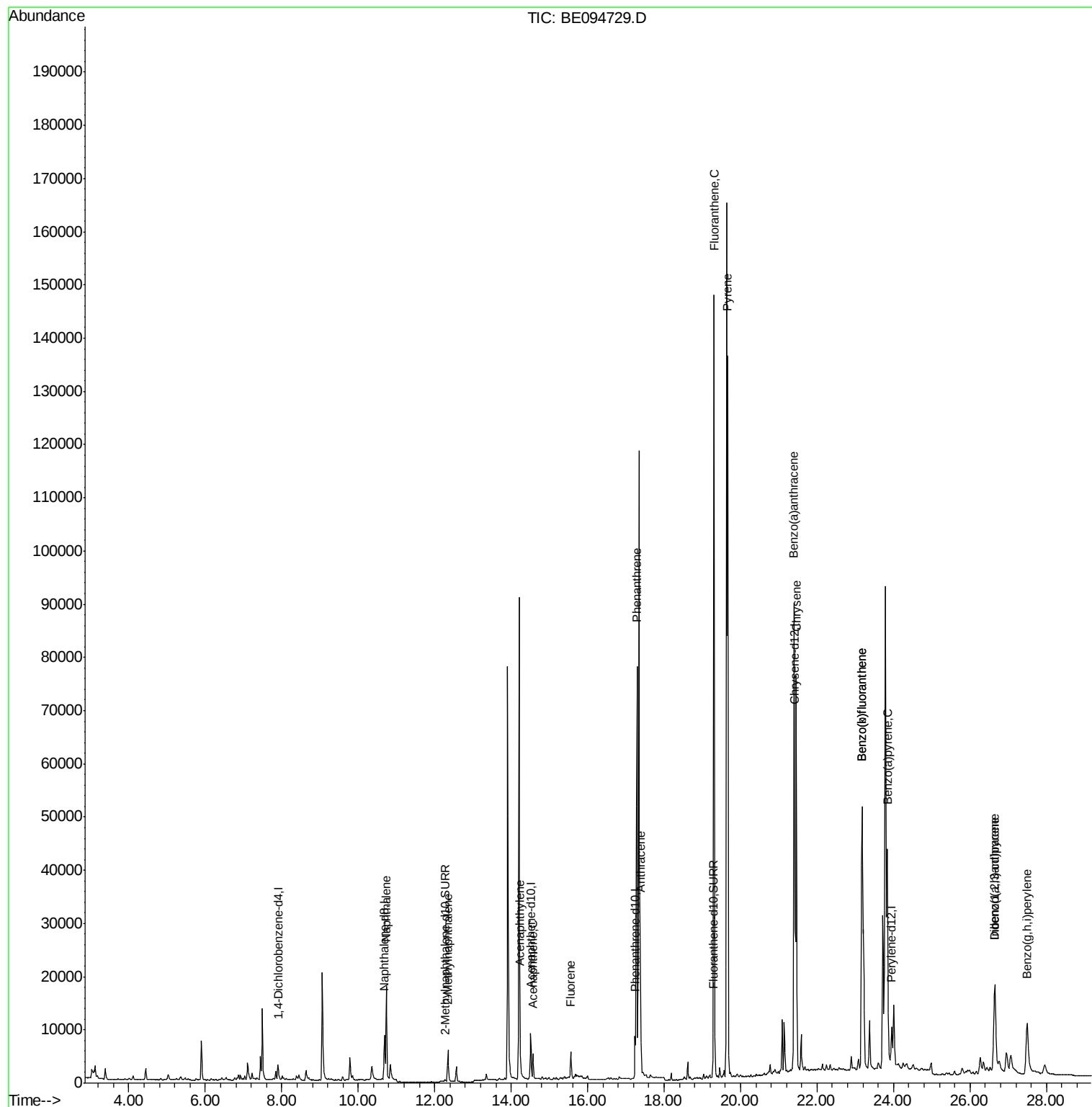
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	29751	1.20	ng/ul#	91
5) 2-Methylnaphthalene	12.34	142	6230	0.36	ng/ul	98
7) Acenaphthylene	14.24	152	4825	0.19	ng/ul	99
8) Acenaphthene	14.57	153	3064	0.17	ng/ul	97
9) Fluorene	15.56	166	3667	0.18	ng/ul	94
12) Phenanthrene	17.29	178	107452	3.35	ng/ul#	92
13) Anthracene	17.38	178	27940	0.88	ng/ul#	92
15) Fluoranthene	19.30	202	172883	4.66	ng/ul	84
17) Pyrene	19.66	202	148832	4.03	ng/ul#	80
18) Benzo(a)anthracene	21.40	228	80501	2.36	ng/ul#	87
19) Chrysene	21.46	228	79725	2.26	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	130670	3.60	ng/ul	86
22) Benzo(k)fluoranthene	23.18	252	130670	3.35	ng/ul#	88
23) Benzo(a)pyrene	23.84	252	65765	1.81	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.65	276	38385	1.02	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.64	278	9133	0.29	ng/ul#	95
26) Benzo(a,h,i)perylene	27.49	276	29787	0.99	ng/ul	97

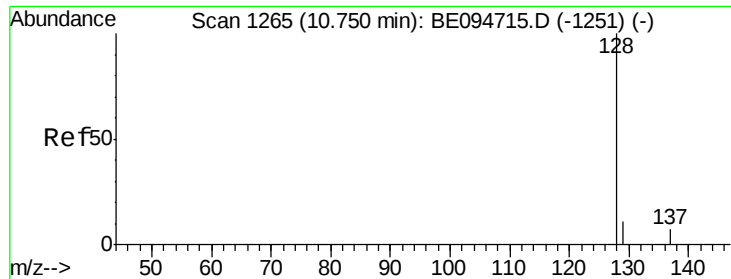
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.20 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

Instrument :

BNA_E

ClientSampleId :

B-31(1-2)-101817

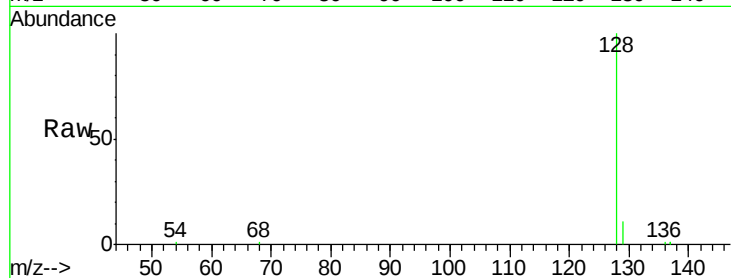
Tot Ion:128 Resp: 29751

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

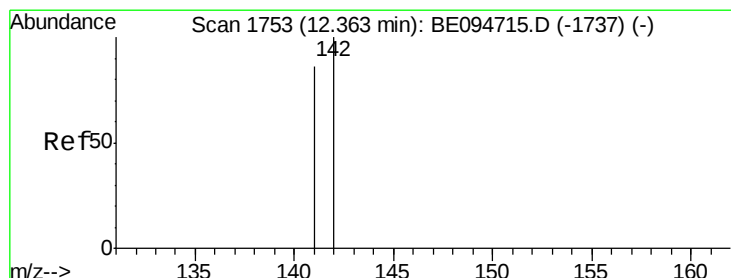
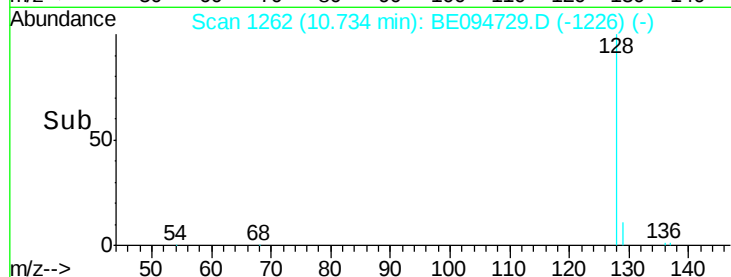
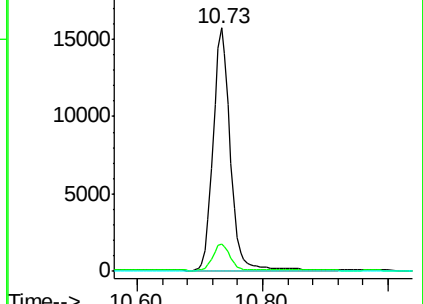
127 0.0 4.0 6.0#



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: 0.36 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094729.D

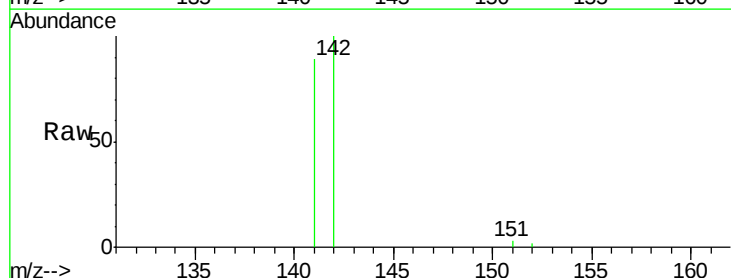
Acq: 4 Nov 2017 4:01

Tgt Ion:142 Resp: 6230

Ion Ratio Lower Upper

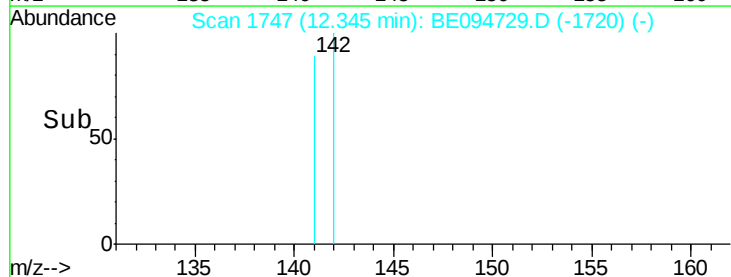
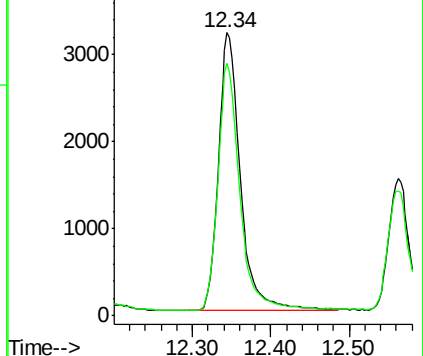
142 100

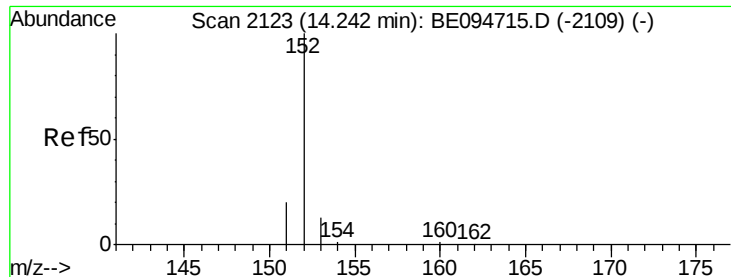
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.19 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

Instrument :

BNA_E

ClientSampleId :

B-31(1-2)-101817

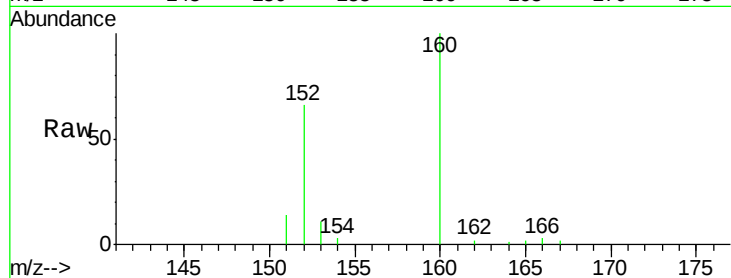
Tot Ion:152 Resp: 4825

Ion Ratio Lower Upper

152 100

151 21.3 17.1 25.7

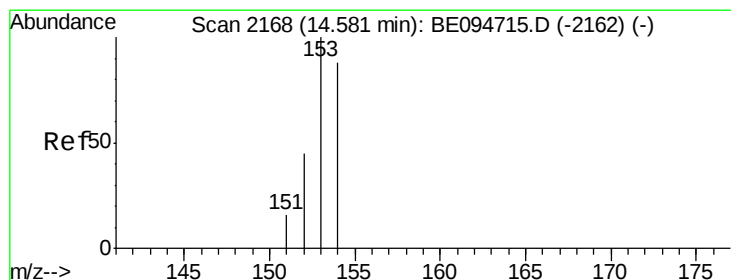
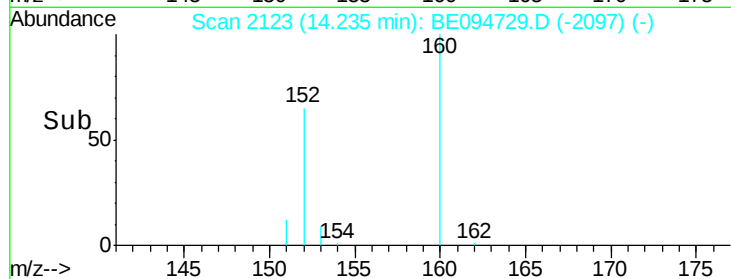
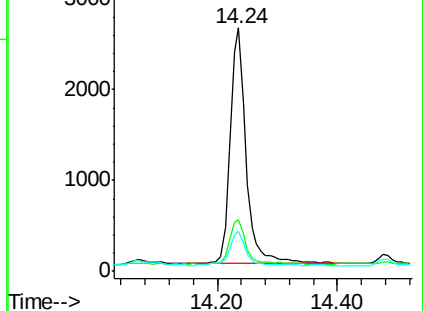
153 16.5 12.8 19.2



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: 0.17 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

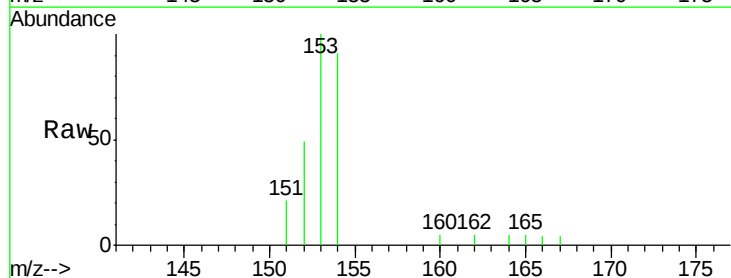
Tgt Ion:153 Resp: 3064

Ion Ratio Lower Upper

153 100

152 49.2 36.0 54.0

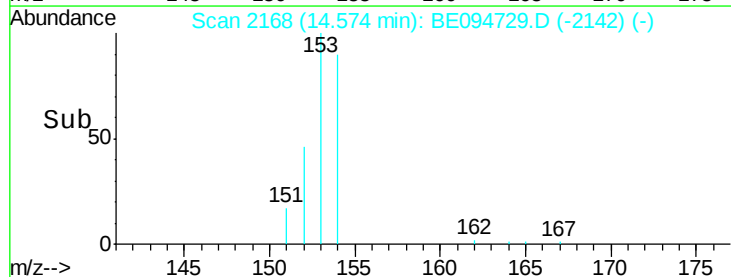
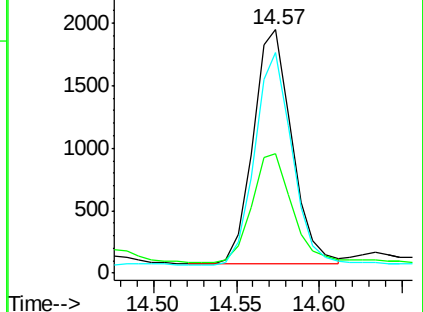
154 90.6 72.0 108.0

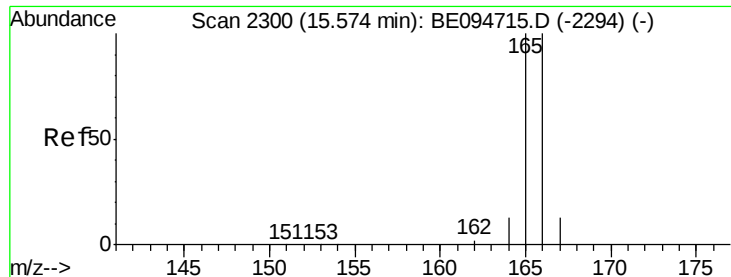


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.18 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

Instrument :

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B-31(1-2)-101817

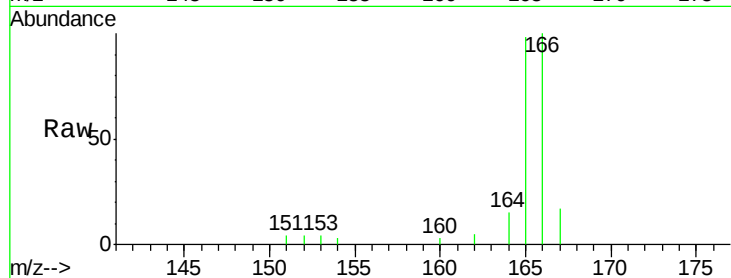
Tot Ion:166 Resp: 3667

Ion Ratio Lower Upper

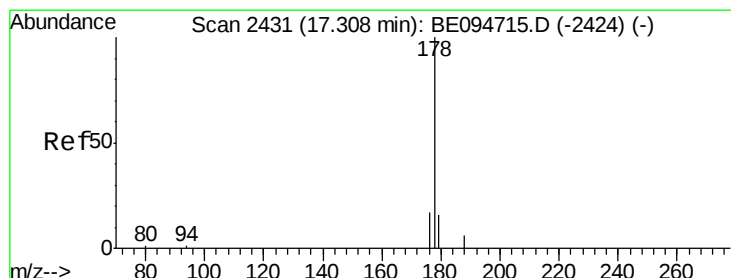
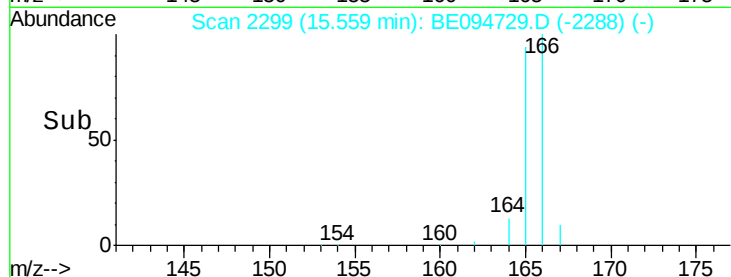
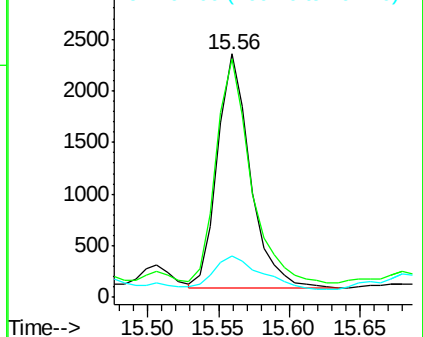
166 100

165 98.0 73.4 110.2

167 16.8 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



#12

Phenanthrene

Concen: 3.35 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

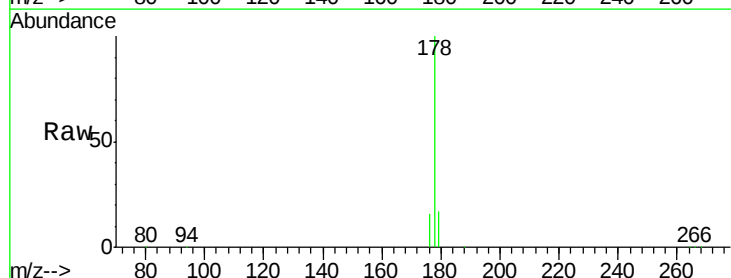
Tgt Ion:178 Resp: 107452

Ion Ratio Lower Upper

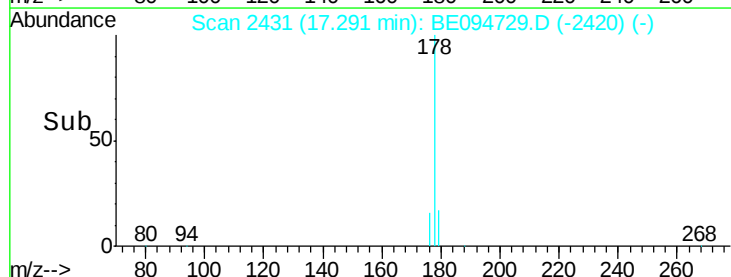
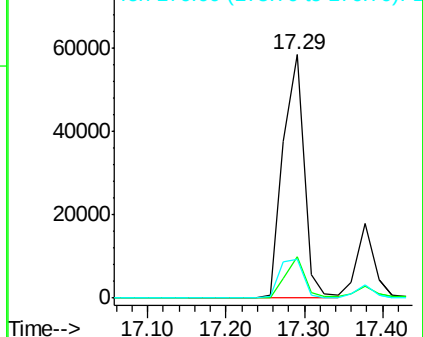
178 100

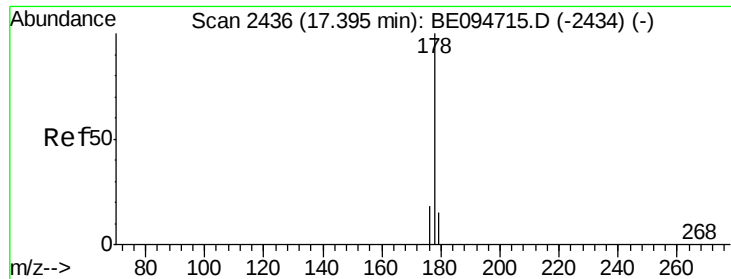
179 16.9 18.4 27.6#

176 16.0 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: 0.88 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

Instrument :

BNA_E

ClientSampleId :

B-31(1-2)-101817

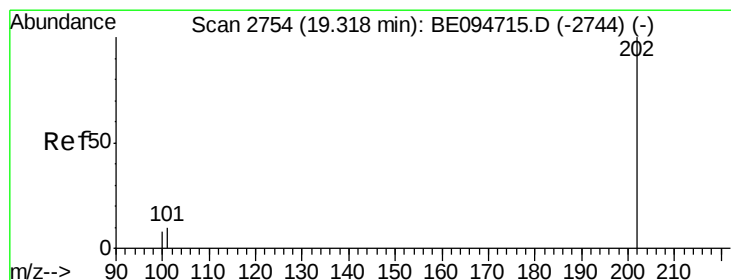
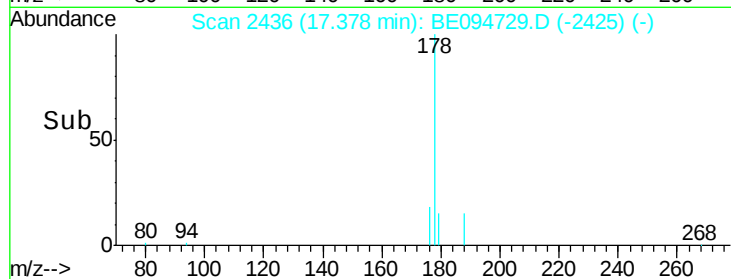
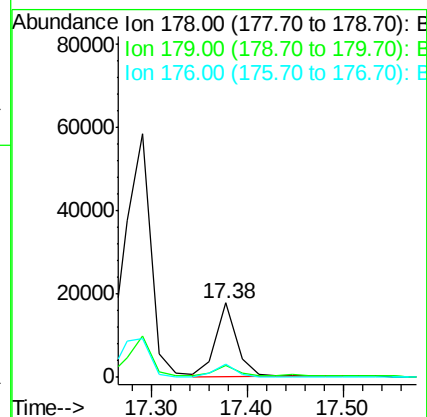
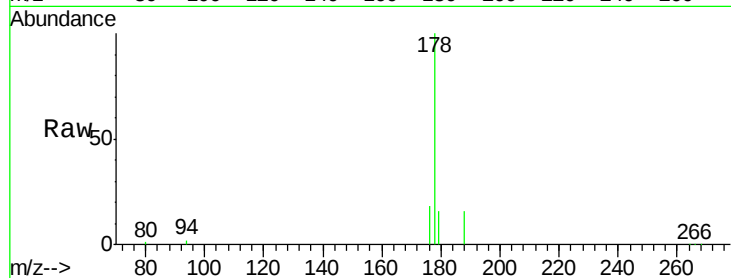
Tot Ion:178 Resp: 27940

Ion Ratio Lower Upper

178 100

179 15.9 18.1 27.1#

176 17.9 14.7 22.1



#15

Fluoranthene

Concen: 4.66 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

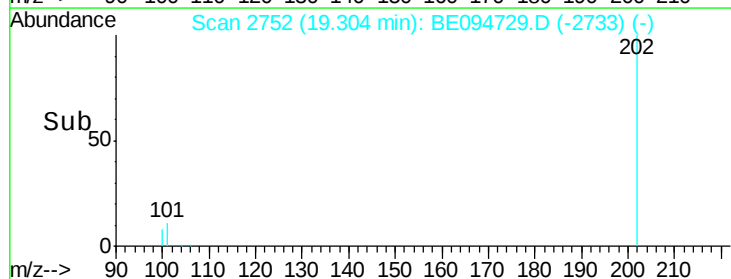
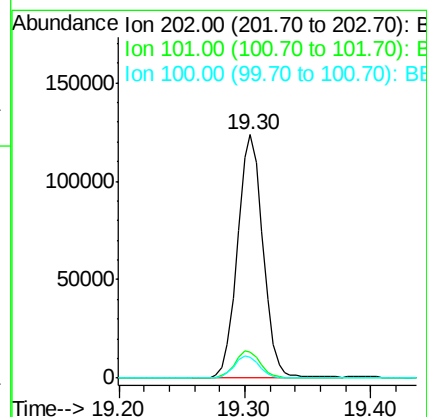
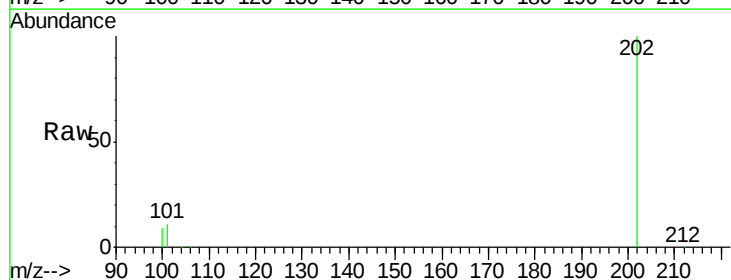
Tgt Ion:202 Resp: 172883

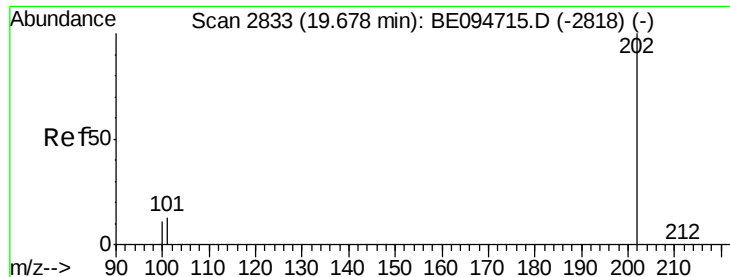
Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

100 8.5 0.0 39.5

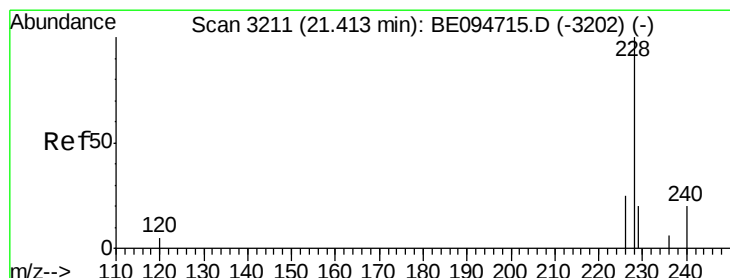
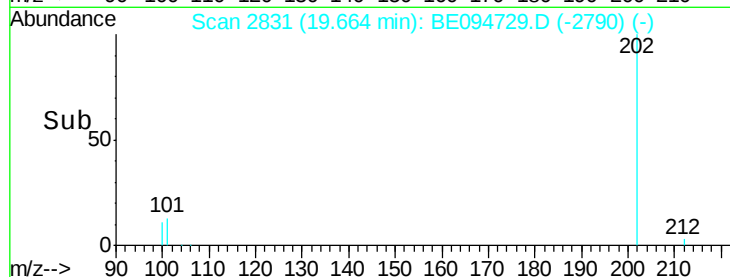
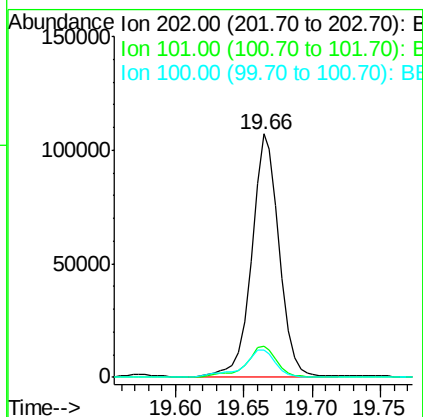
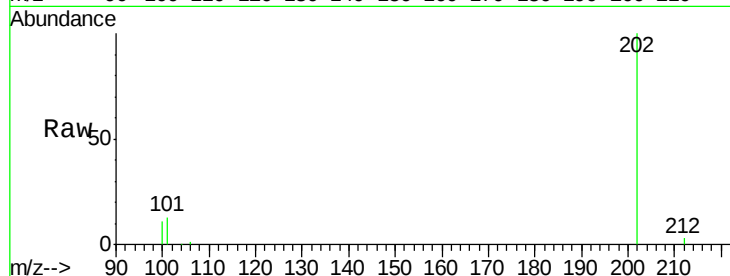




#17
Pvrene
Concen: 4.03 ng/ul
RT: 19.66 min Scan# 2831
Delta R.T. -0.01 min
Lab File: BE094729.D
Acq: 4 Nov 2017 4:01

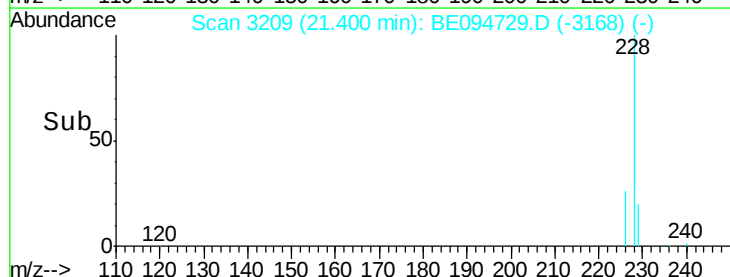
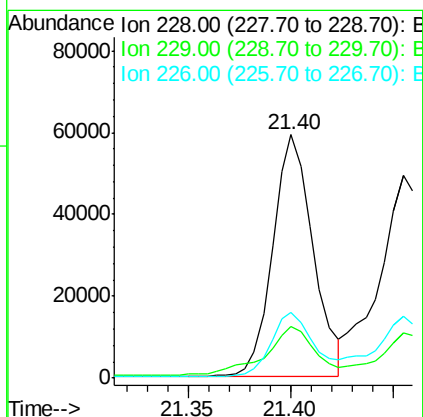
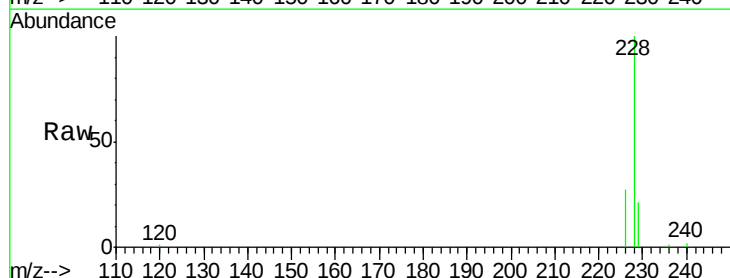
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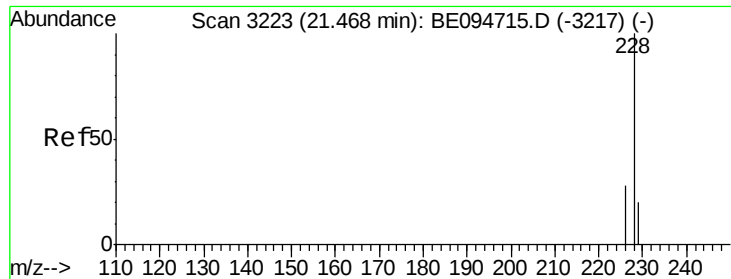
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	18.2	27.4#
100	11.2	15.6	23.4#



#18
Benzo(a)anthracene
Concen: 2.36 ng/ul
RT: 21.40 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BE094729.D
Acq: 4 Nov 2017 4:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	22.8	34.2#
226	26.7	17.0	25.6#





#19

Chrysene

Concen: 2.26 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

Instrument :

BNA_E

ClientSampleId :

B-31(1-2)-101817

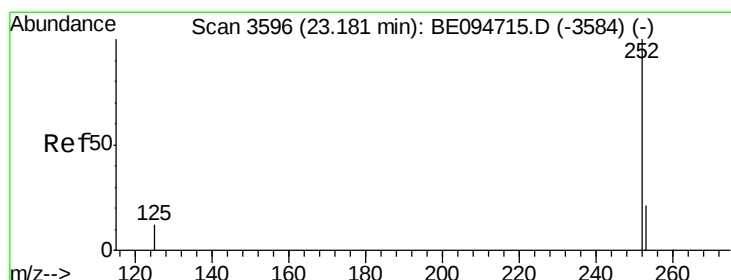
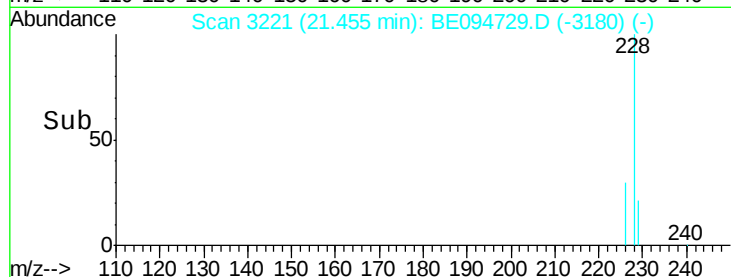
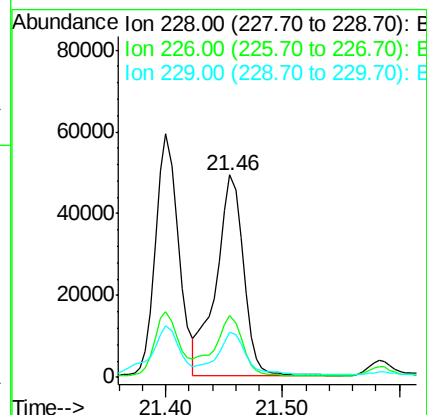
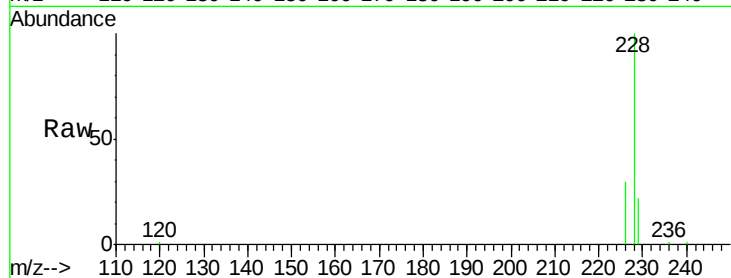
Tot Ion:228 Resp: 79725

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

229 22.0 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 3.60 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

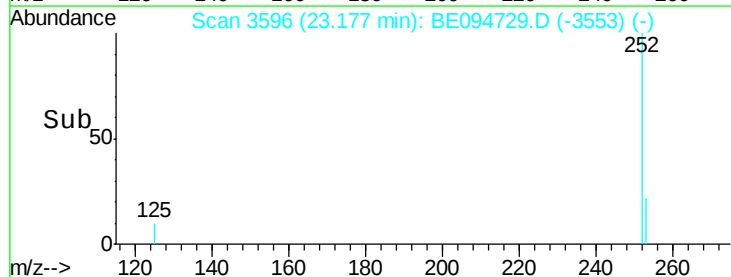
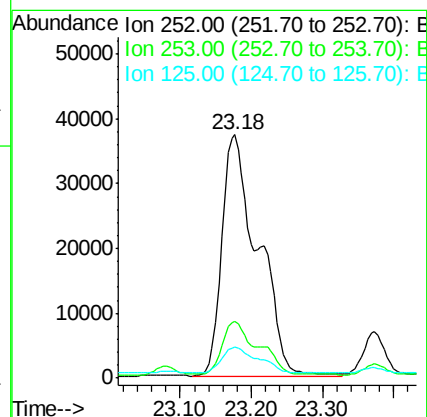
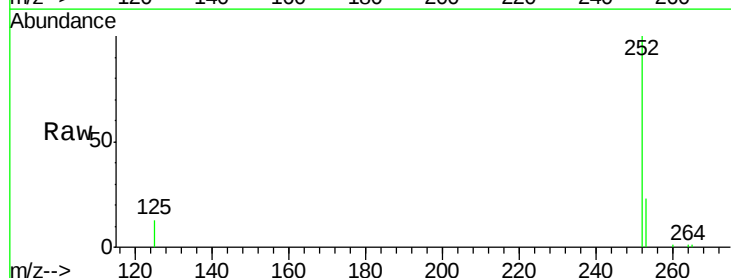
Tgt Ion:252 Resp: 130670

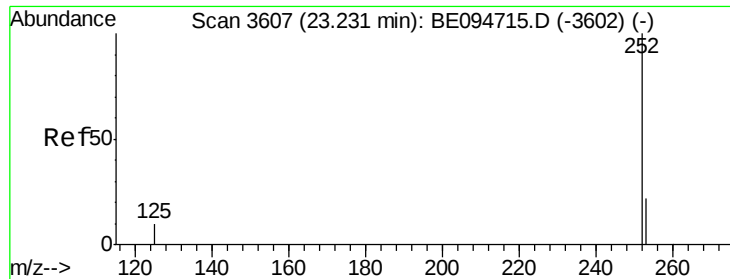
Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

125 12.8 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 3.35 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.05 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

Instrument :

BNA_E

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B-31(1-2)-101817

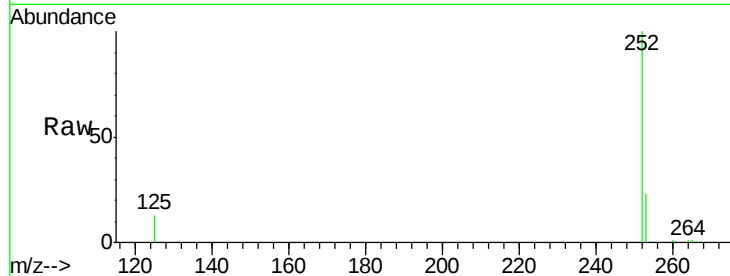
Tot Ion:252 Resp: 130670

Ion Ratio Lower Upper

252 100

253 23.3 24.5 36.7#

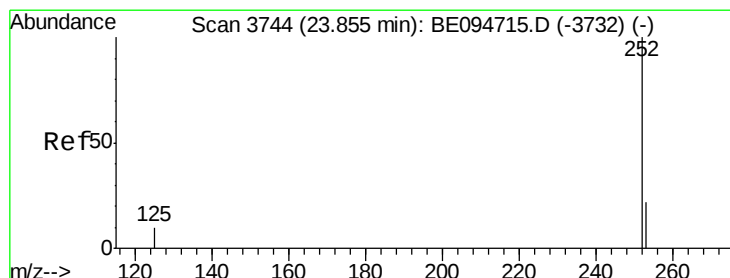
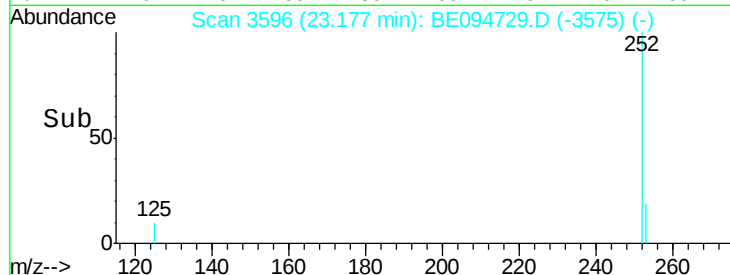
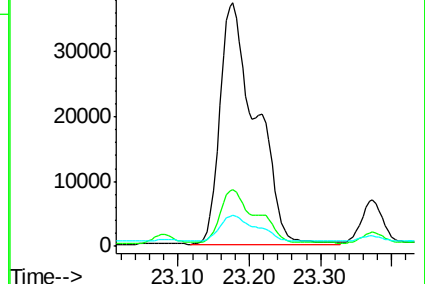
125 12.8 13.7 20.5#



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: 1.81 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.02 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

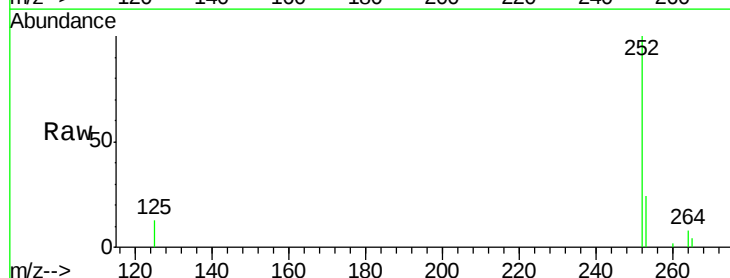
Tgt Ion:252 Resp: 65765

Ion Ratio Lower Upper

252 100

253 23.6 28.5 42.7#

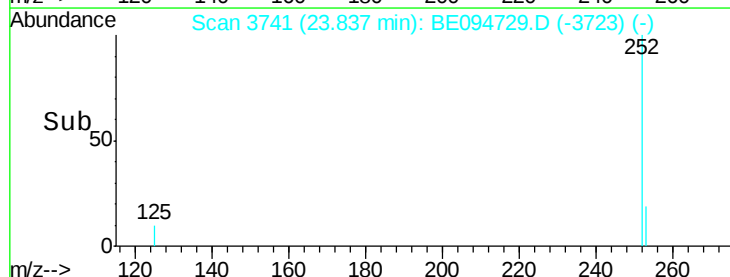
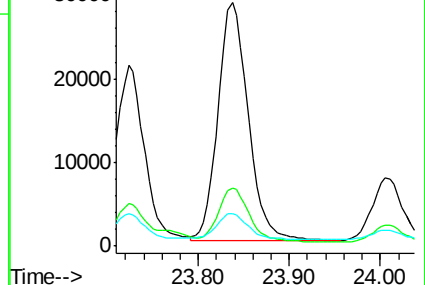
125 13.3 18.1 27.1#

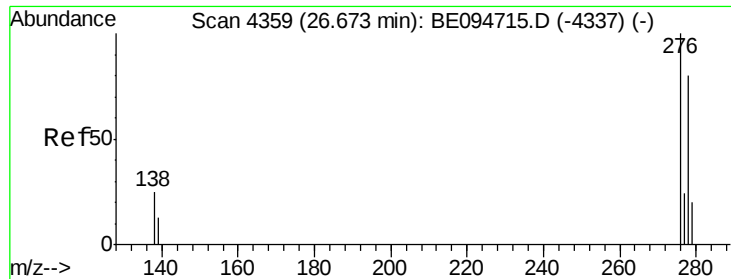


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.02 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. -0.02 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

Instrument :

BNA_E

ClientSampleId :

B-31(1-2)-101817

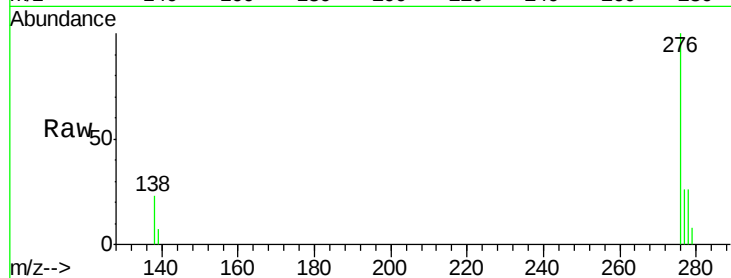
Tot Ion:276 Resp: 38385

Ion Ratio Lower Upper

276 100

138 20.7 28.0 42.0#

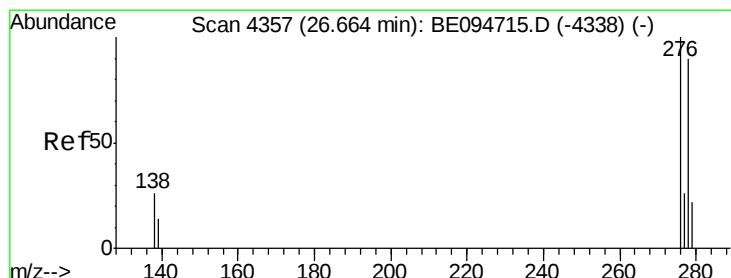
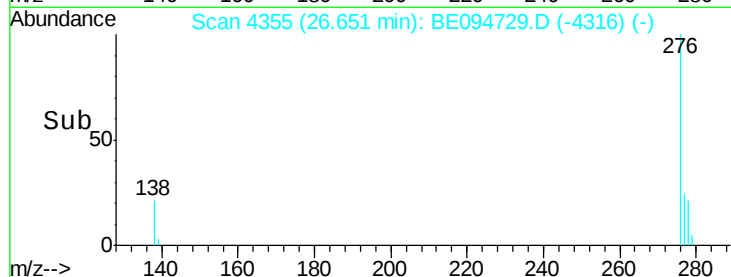
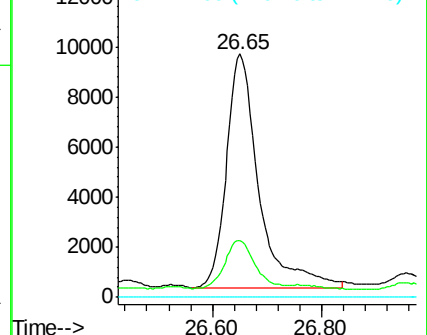
227 0.0 8.0 12.0#



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: 0.29 ng/ul

RT: 26.64 min Scan# 4353

Delta R.T. -0.02 min

Lab File: BE094729.D

Acq: 4 Nov 2017 4:01

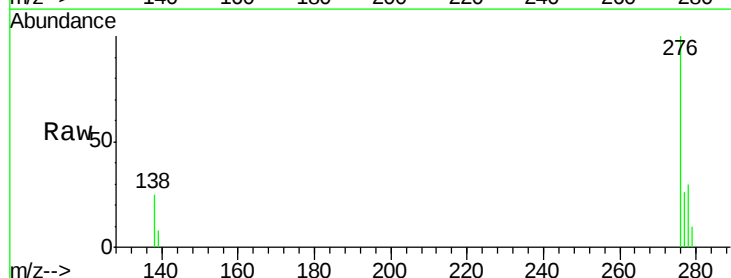
Tgt Ion:278 Resp: 9133

Ion Ratio Lower Upper

278 100

139 26.9 17.4 26.0#

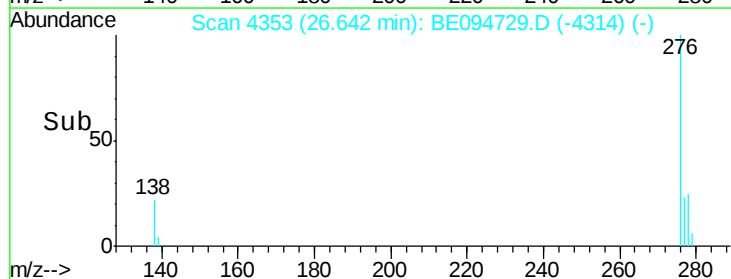
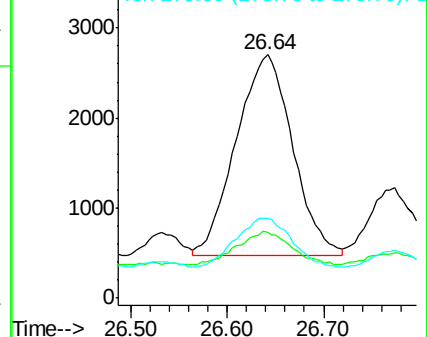
279 33.0 25.9 38.9

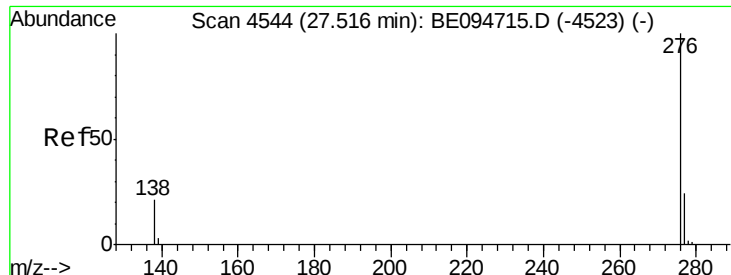


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.99 ng/ul

RT: 27.49 min Scan# 4540

Delta R.T. -0.02 min

Lab File: BE094729.D

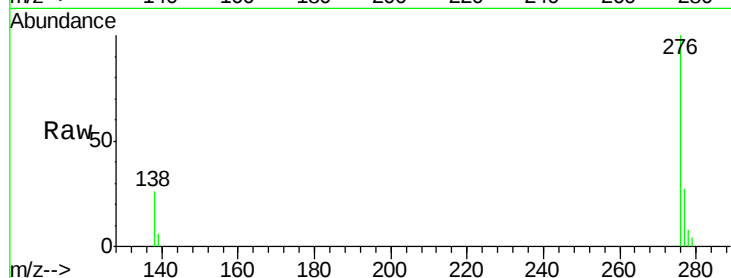
Acq: 4 Nov 2017 4:01

Instrument :

BNA_E

ClientSampleId :

B-31(1-2)-101817



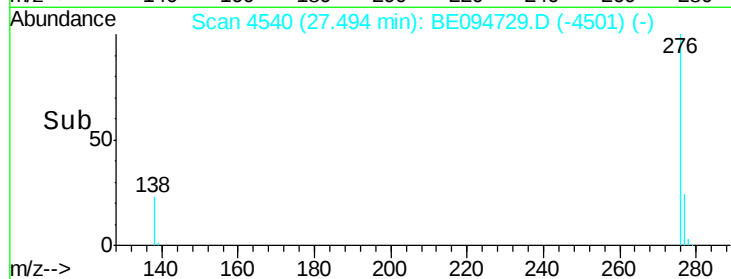
Tot Ion:276 Resp: 29787

Ion Ratio Lower Upper

276 100

138 26.2 21.8 32.8

277 27.2 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

