

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094718.D
 Acq On : 3 Nov 2017 21:30
 Operator : SJ/JU
 Sample : I5902-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-12(0-1)-101317

Quant Time: Nov 04 01:15:55 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 01:15:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1471	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	8864	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4940	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	10603	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	10547	0.40	ng/ul	-0.01
20) Perylene-d12	23.95	264	11631	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	719	0.05	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	1605	0.05	ng/ul	-0.01

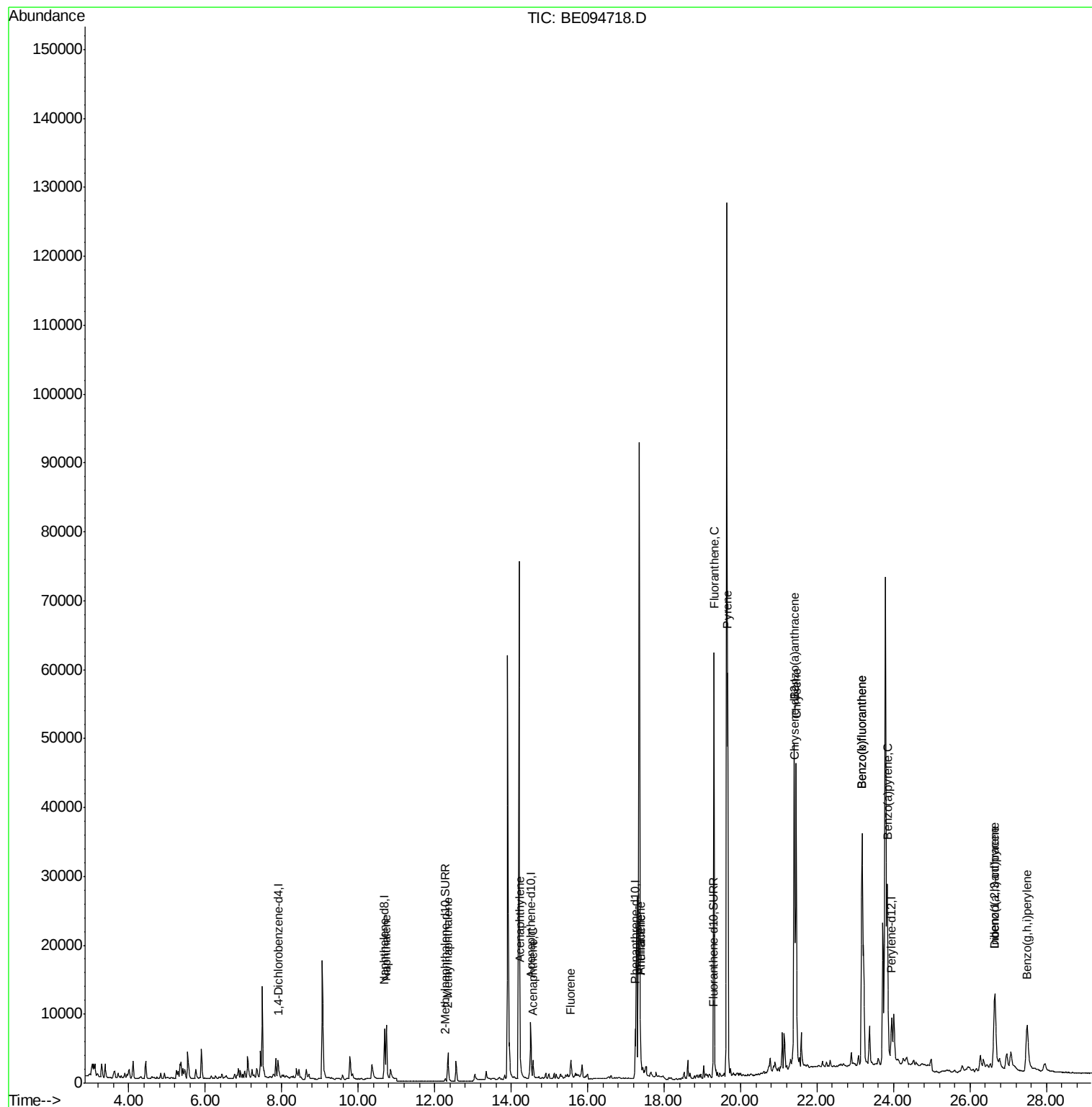
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	13520	0.62	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	4406	0.29	ng/ul	97
7) Acenaphthylene	14.24	152	1822	0.08	ng/ul#	90
8) Acenaphthene	14.57	153	1777	0.11	ng/ul	97
9) Fluorene	15.56	166	1884	0.10	ng/ul#	89
12) Phenanthrene	17.38	178	6600	0.24	ng/ul	93
13) Anthracene	17.38	178	7585	0.27	ng/ul	95
15) Fluoranthene	19.30	202	74315	2.30	ng/ul	84
17) Pyrene	19.67	202	65847	2.02	ng/ul#	79
18) Benzo(a)anthracene	21.40	228	42725	1.42	ng/ul#	89
19) Chrysene	21.46	228	52103	1.67	ng/ul	97
21) Benzo(b)fluoranthene	23.18	252	87580	2.68	ng/ul	87
22) Benzo(k)fluoranthene	23.18	252	87580	2.50	ng/ul#	89
23) Benzo(a)pyrene	23.84	252	40392	1.24	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.66	276	26365	0.78	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.64	278	6467	0.23	ng/ul#	82
26) Benzo(a,h,i)perylene	27.49	276	21989	0.81	ng/ul	96

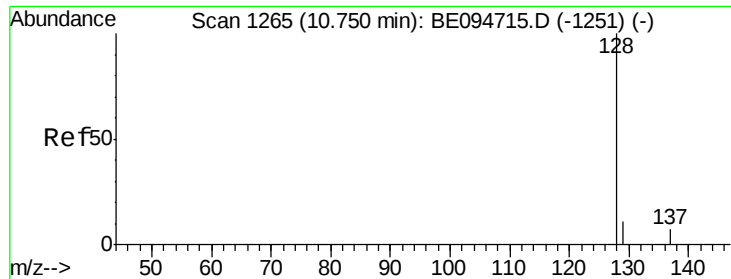
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.62 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

Instrument :

BNA_E

ClientSampleId :

B-12(0-1)-101317

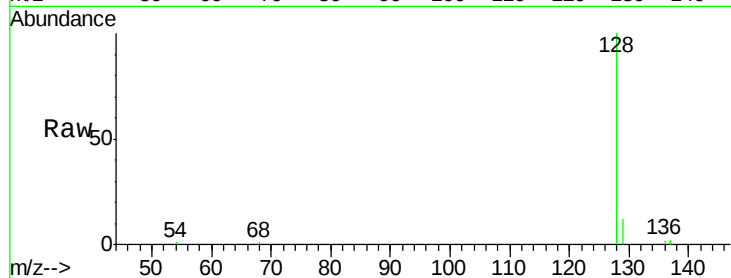
Tot Ion:128 Resp: 13520

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

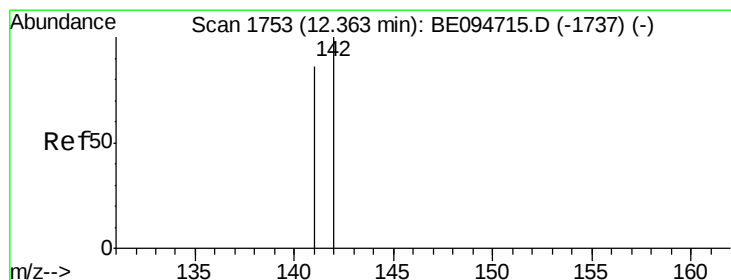
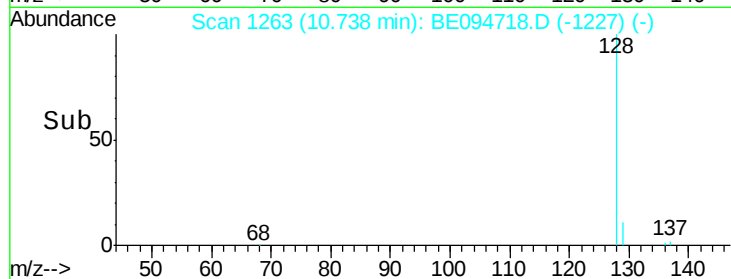
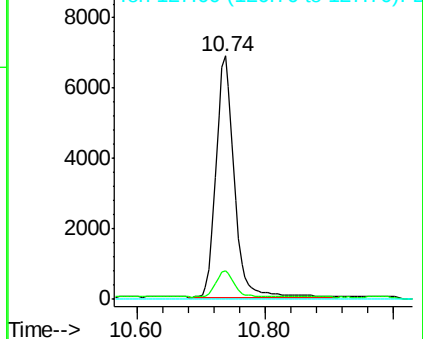
127 0.0 4.0 6.0#



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: 0.29 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BE094718.D

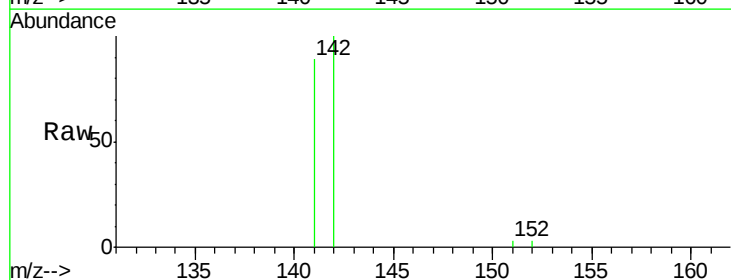
Acq: 3 Nov 2017 21:30

Tgt Ion:142 Resp: 4406

Ion Ratio Lower Upper

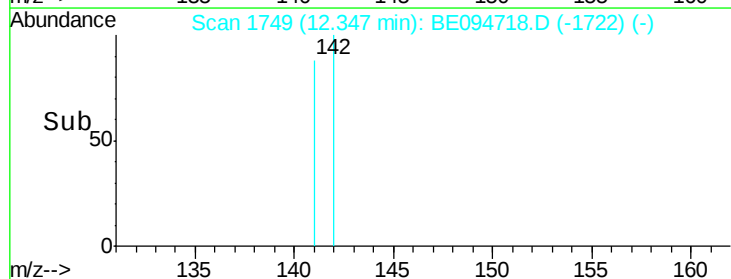
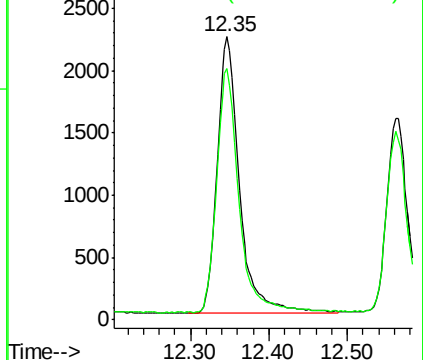
142 100

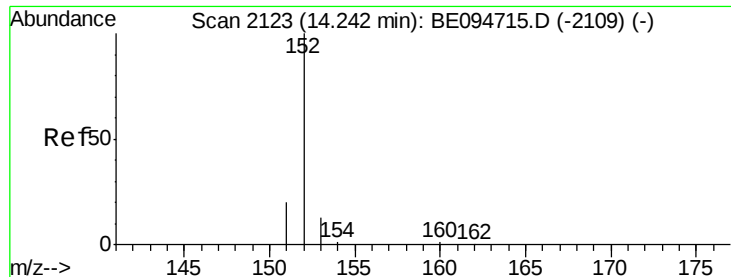
141 88.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

Instrument :

BNA_E

ClientSampleId :

B-12(0-1)-101317

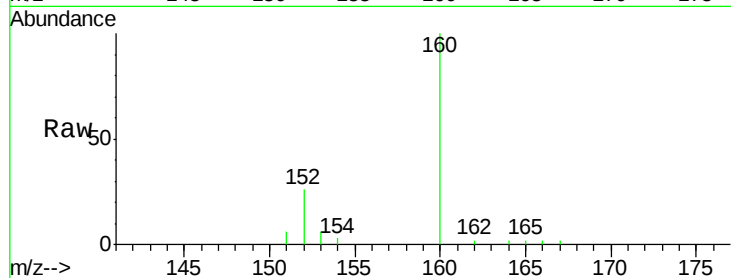
Tot Ion:152 Resp: 1822

Ion Ratio Lower Upper

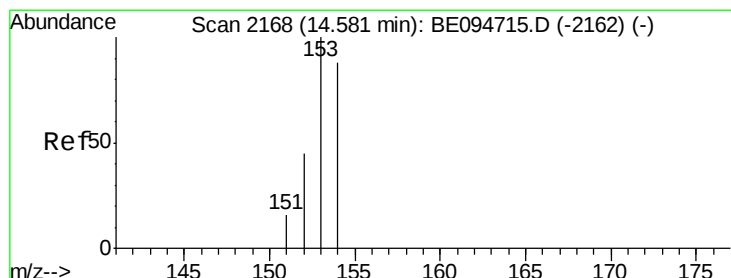
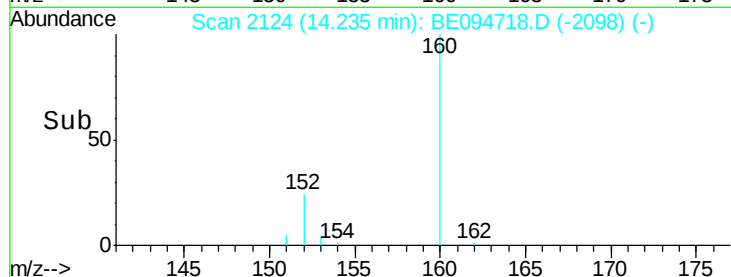
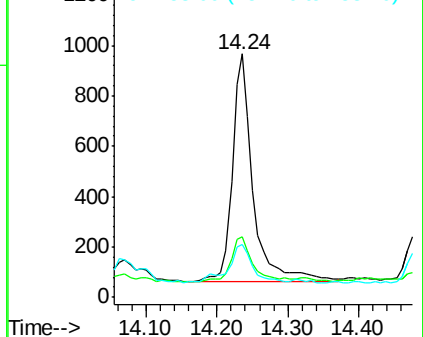
152 100

151 25.1 17.1 25.7

153 21.9 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: 0.11 ng/ul

RT: 14.57 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

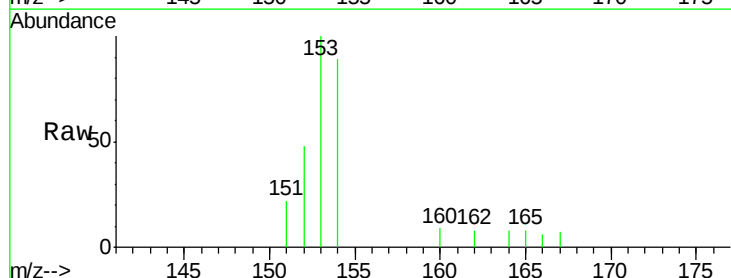
Tgt Ion:153 Resp: 1777

Ion Ratio Lower Upper

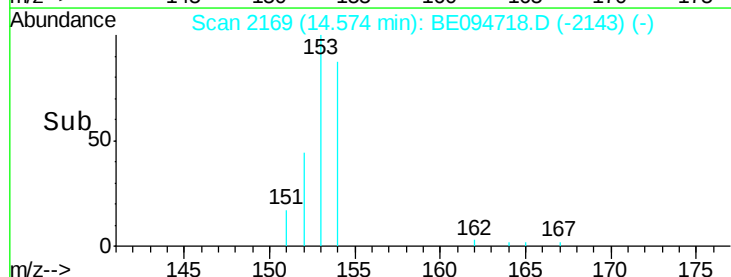
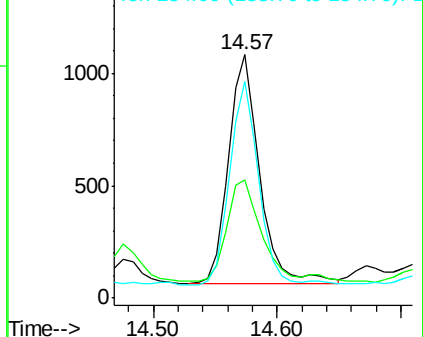
153 100

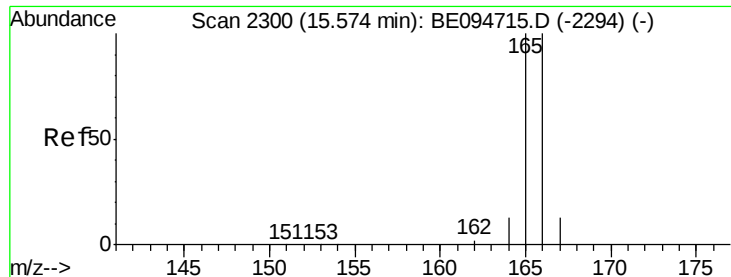
152 48.5 36.0 54.0

154 88.8 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

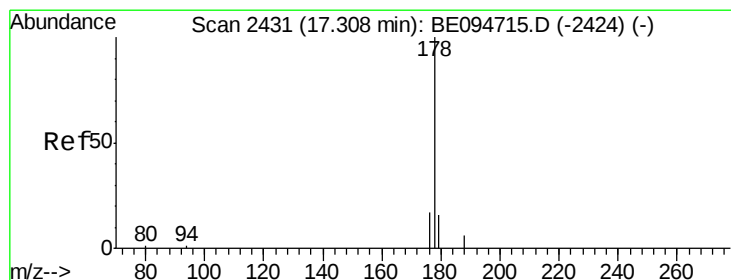
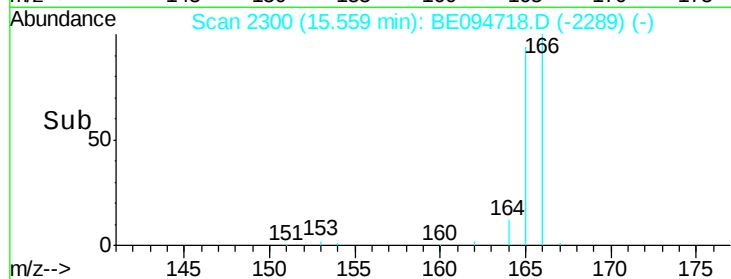
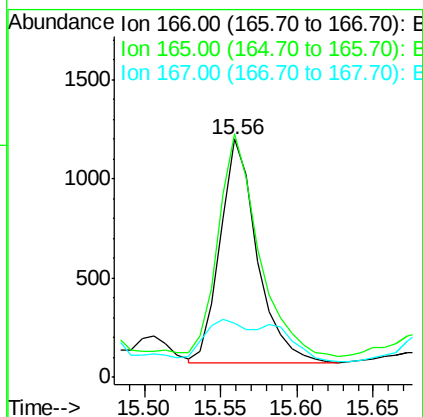
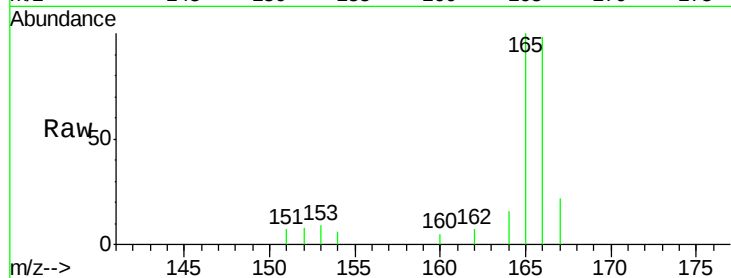




#9
Fluorene
 Concen: 0.10 ng/ul
 RT: 15.56 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094718.D
 Acq: 3 Nov 2017 21:30

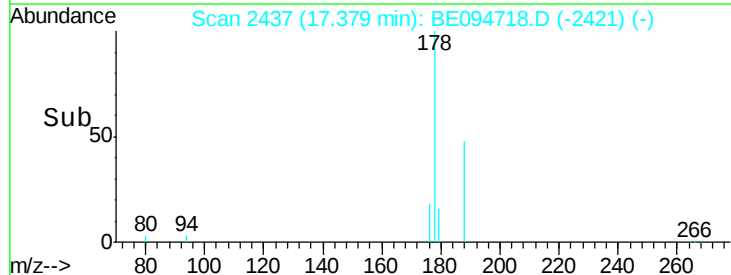
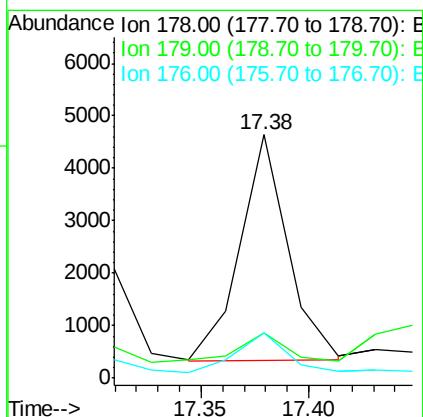
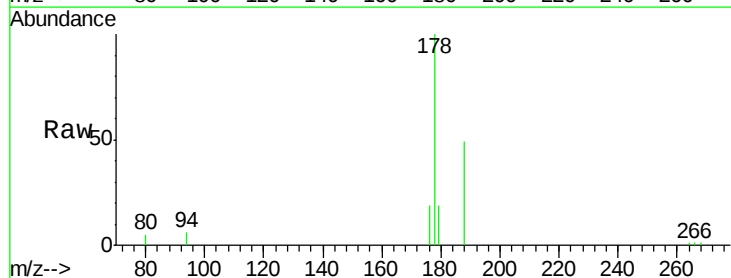
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 B-12(0-1)-101317

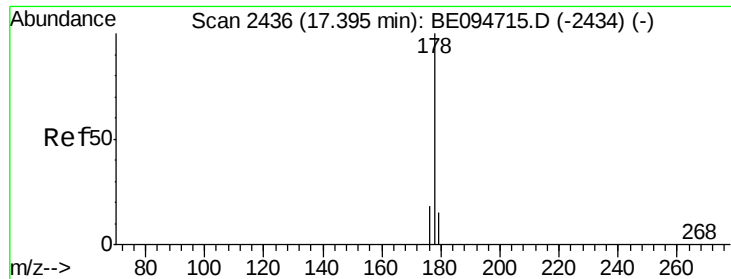
Tot Ion:166 Resp: 1884
 Ion Ratio Lower Upper
 166 100
 165 102.3 73.4 110.2
 167 22.8 14.6 22.0#



#12
Phenanthrene
 Concen: 0.24 ng/ul
 RT: 17.38 min Scan# 2437
 Delta R.T. 0.07 min
 Lab File: BE094718.D
 Acq: 3 Nov 2017 21:30

Tgt Ion:178 Resp: 6600
 Ion Ratio Lower Upper
 178 100
 179 18.5 18.4 27.6
 176 18.8 13.6 20.4





#13

Anthracene

Concen: 0.27 ng/ul

RT: 17.38 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

Instrument :

BNA_E

ClientSampleId :

B-12(0-1)-101317

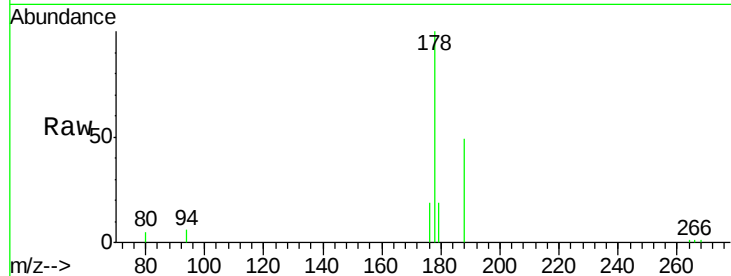
Tot Ion:178 Resp: 7585

Ion Ratio Lower Upper

178 100

179 18.5 18.1 27.1

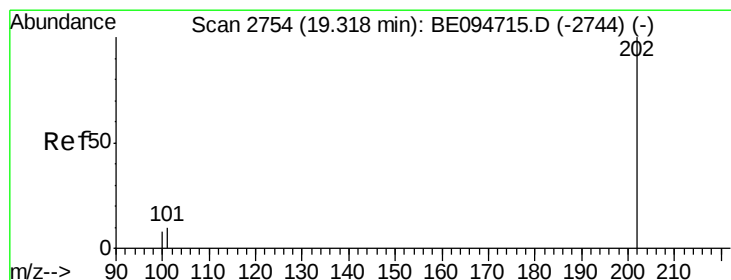
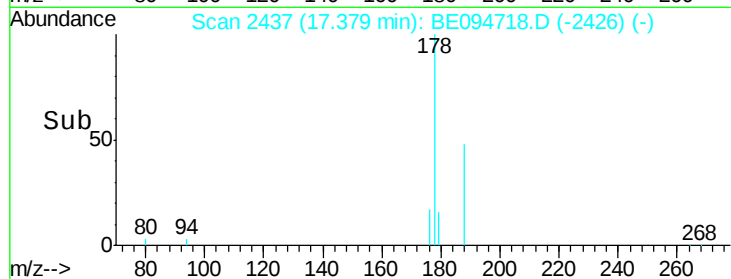
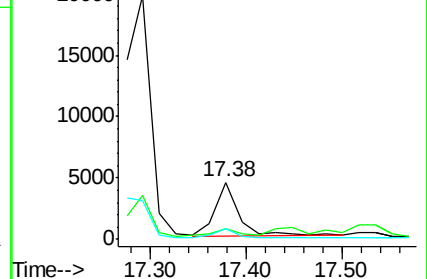
176 18.8 14.7 22.1



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: 2.30 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

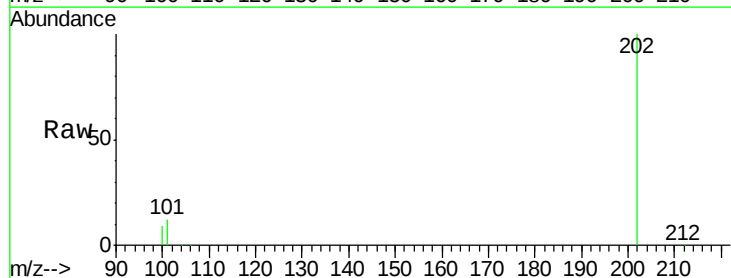
Tgt Ion:202 Resp: 74315

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.3

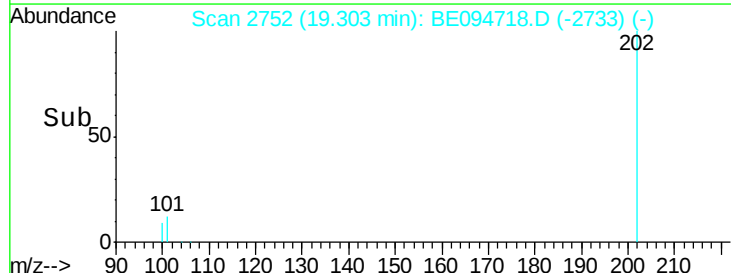
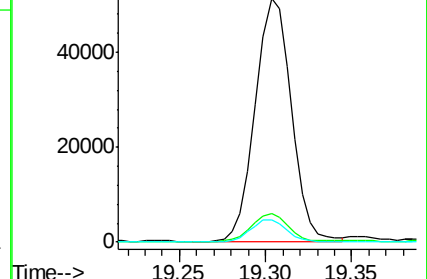
100 9.2 0.0 39.5

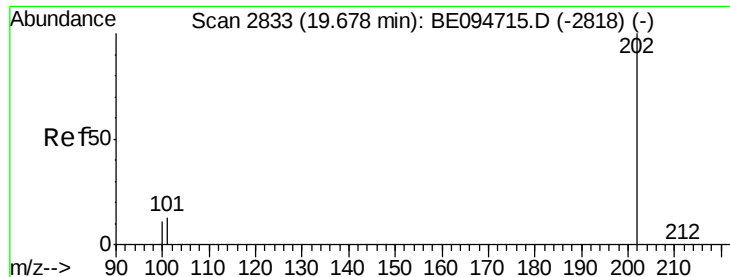


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 2.02 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

Instrument :

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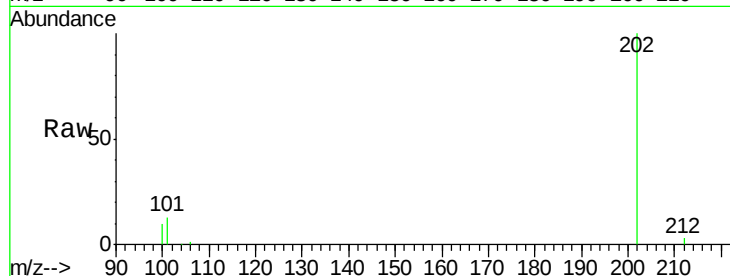
Tot Ion:202 Resp: 65847

Ion Ratio Lower Upper

202 100

101 12.6 18.2 27.4#

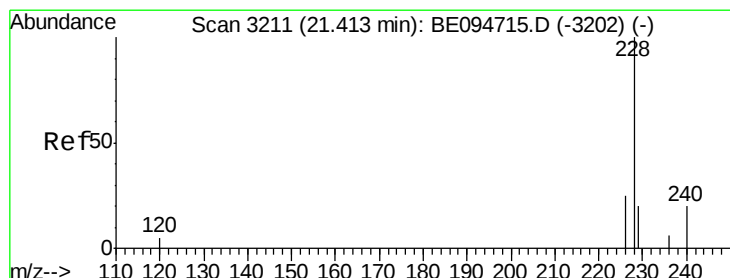
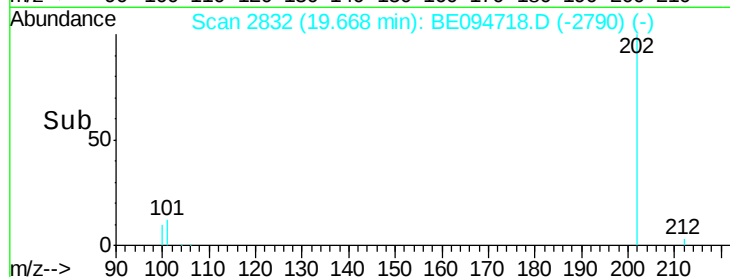
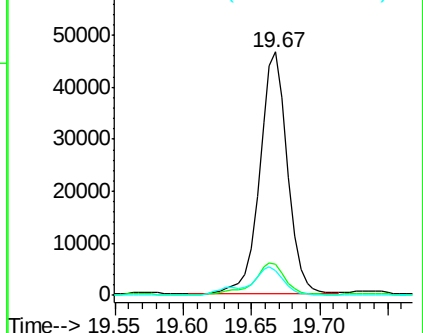
100 10.4 15.6 23.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#18

Benzo(a)anthracene

Concen: 1.42 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

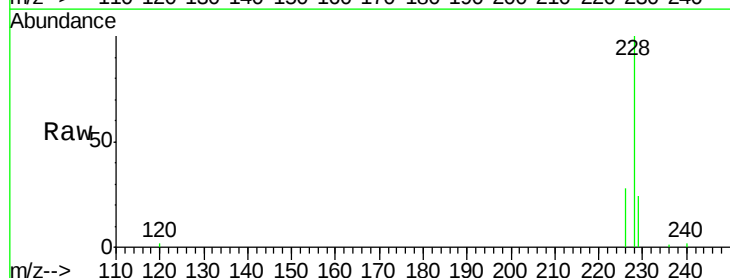
Tgt Ion:228 Resp: 42725

Ion Ratio Lower Upper

228 100

229 23.7 22.8 34.2

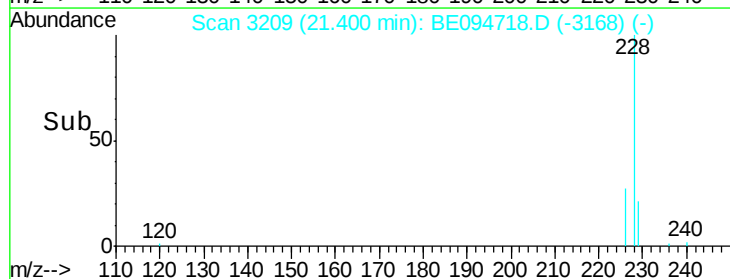
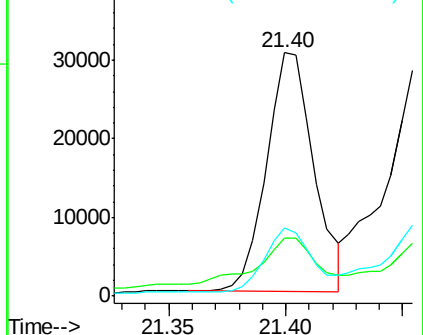
226 28.0 17.0 25.6#

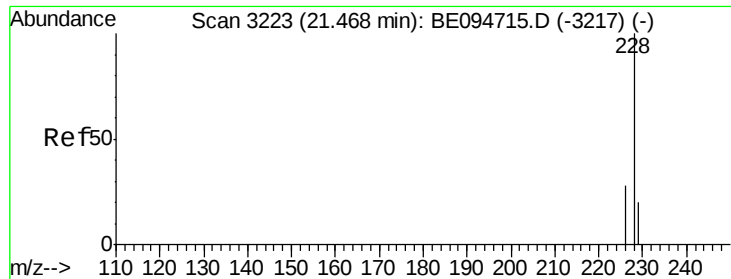


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.67 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.01 min

Lab File: BE094718.D

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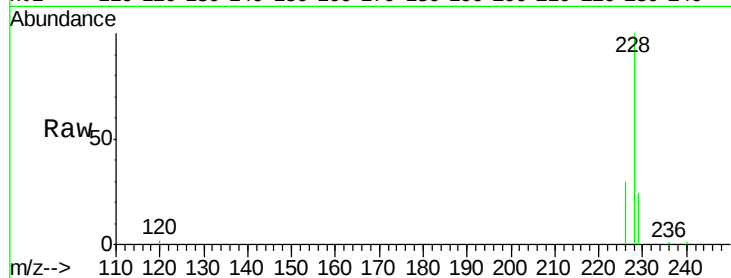
Tot Ion:228 Resp: 52103

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

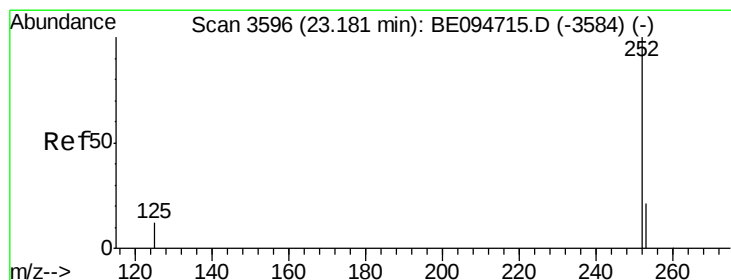
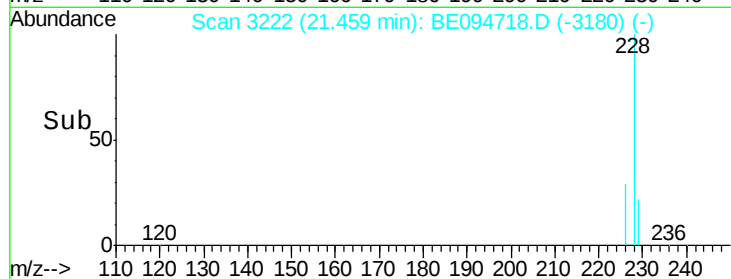
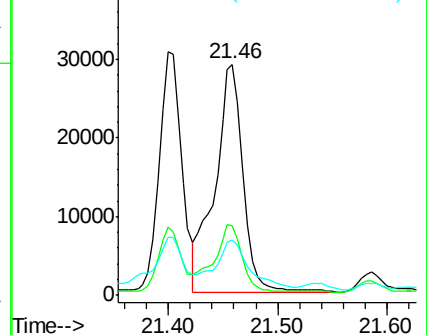
229 24.2 17.7 26.5



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: 2.68 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

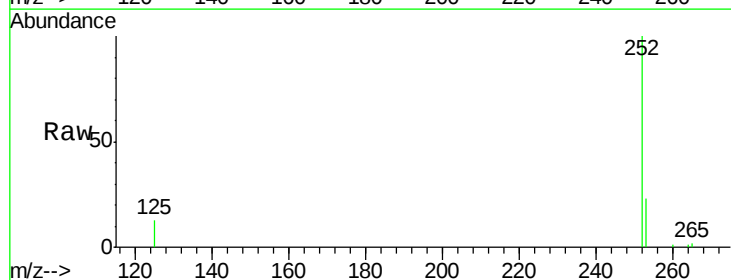
Tgt Ion:252 Resp: 87580

Ion Ratio Lower Upper

252 100

253 23.4 0.0 64.2

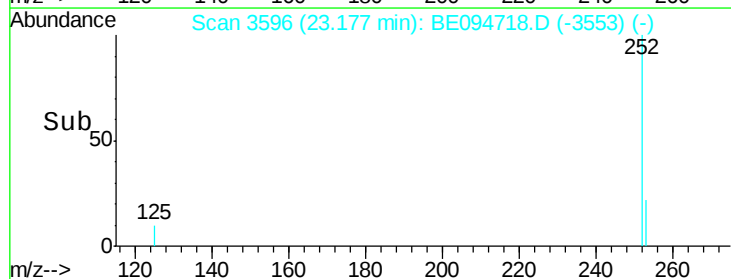
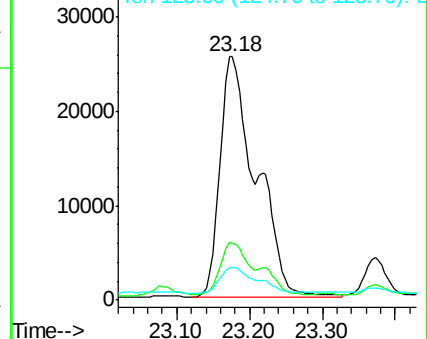
125 13.4 0.0 35.0

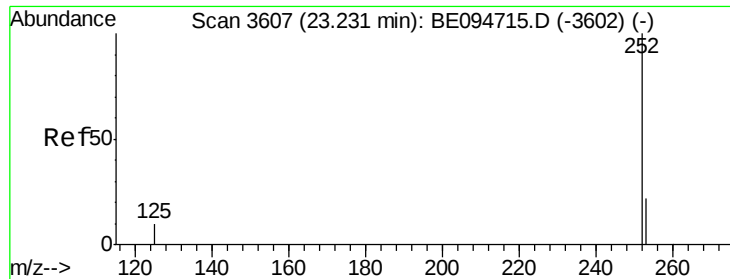


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.50 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.05 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

Instrument :

BNA_E

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B-12(0-1)-101317

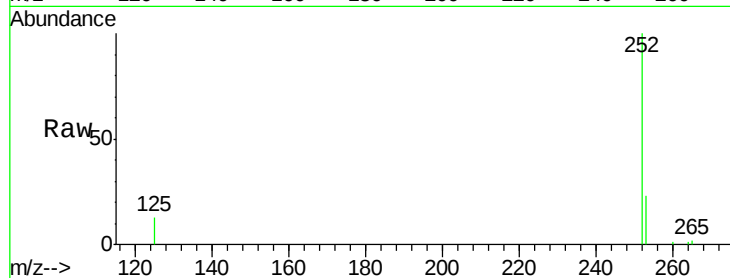
Tot Ion:252 Resp: 87580

Ion Ratio Lower Upper

252 100

253 23.4 24.5 36.7#

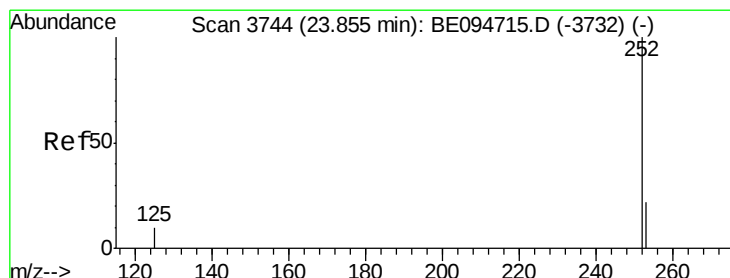
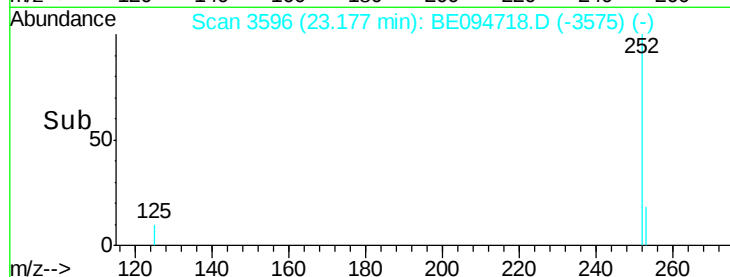
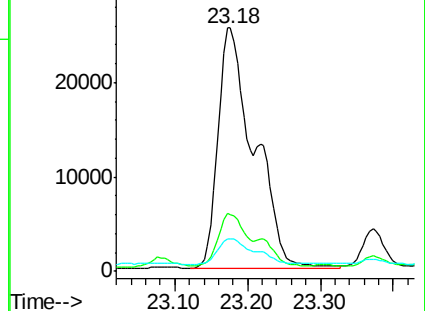
125 13.4 13.7 20.5#



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: 1.24 ng/ul

RT: 23.84 min Scan# 3742

Delta R.T. -0.01 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

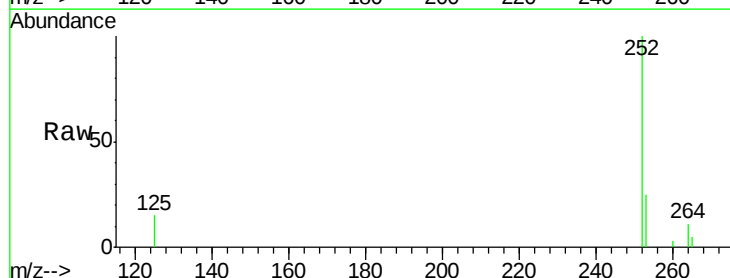
Tgt Ion:252 Resp: 40392

Ion Ratio Lower Upper

252 100

253 25.1 28.5 42.7#

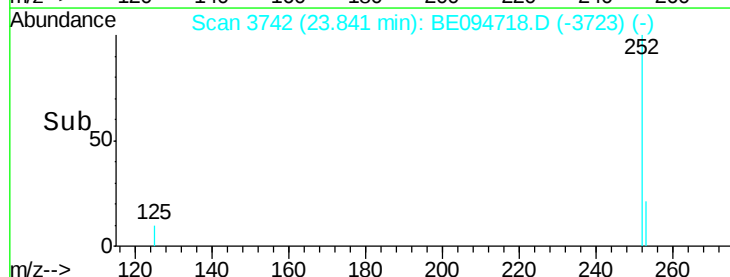
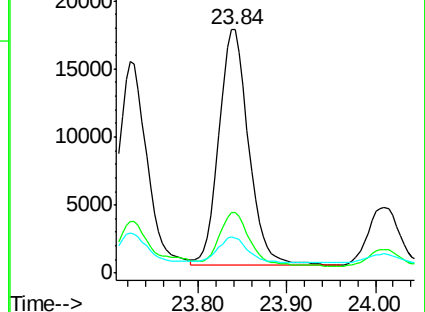
125 14.6 18.1 27.1#

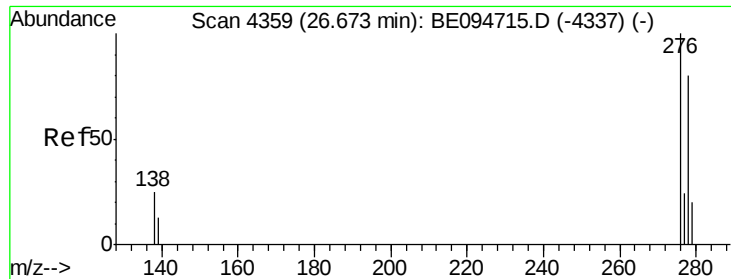


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.78 ng/ul

RT: 26.66 min Scan# 4356

Delta R.T. -0.02 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

Instrument :

BNA_E

ClientSampleId :

B-12(0-1)-101317

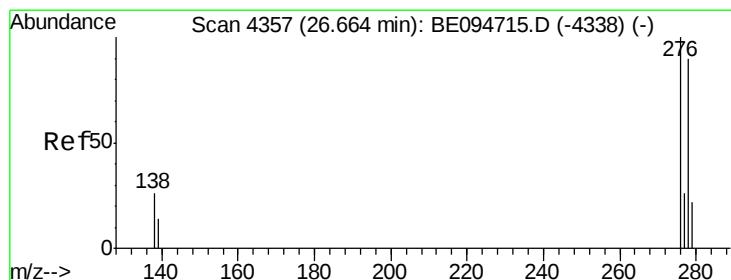
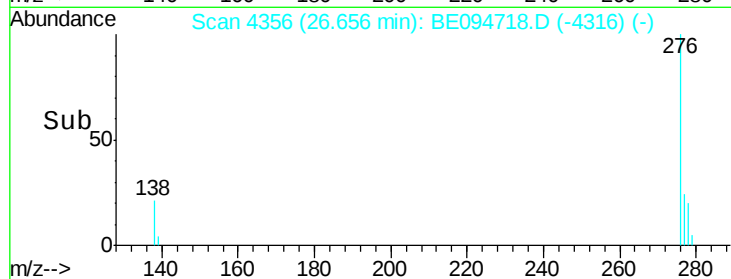
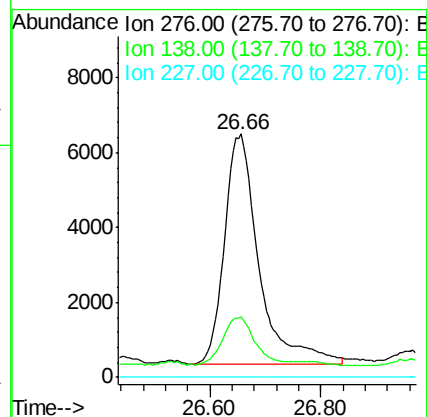
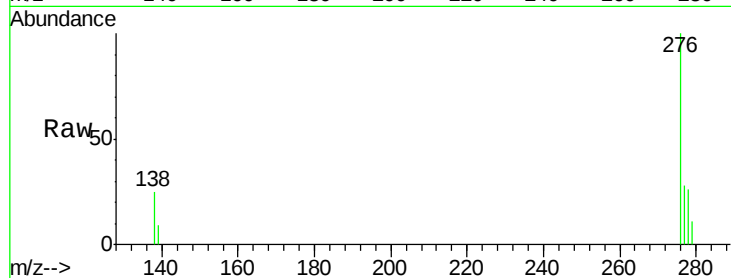
Tot Ion:276 Resp: 26365

Ion Ratio Lower Upper

276 100

138 21.0 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.23 ng/ul

RT: 26.64 min Scan# 4353

Delta R.T. -0.02 min

Lab File: BE094718.D

Acq: 3 Nov 2017 21:30

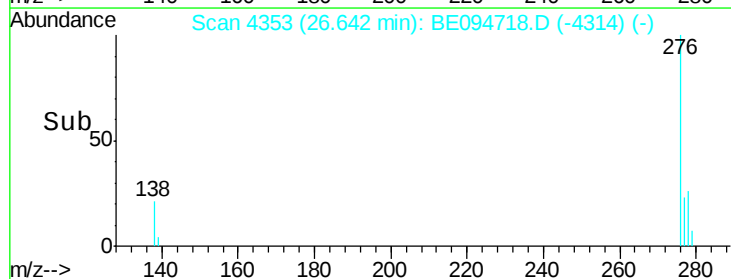
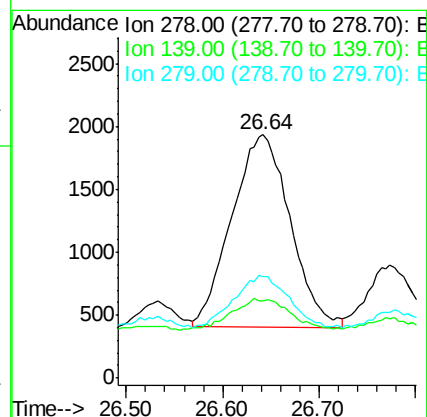
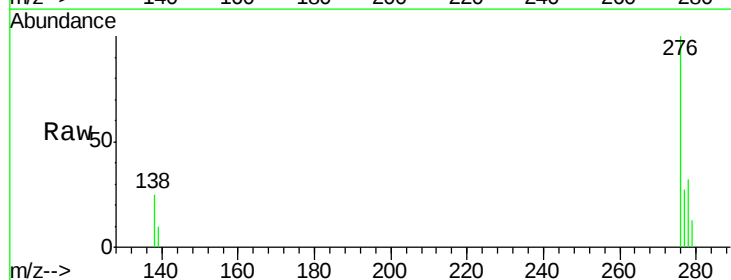
Tgt Ion:278 Resp: 6467

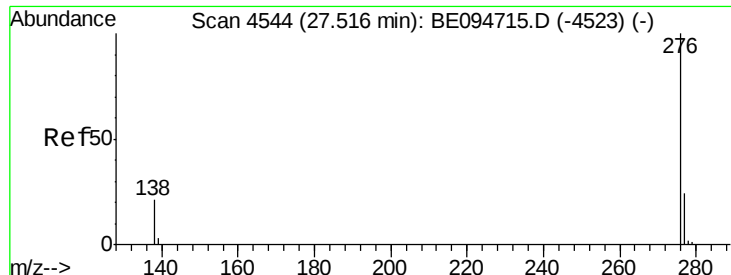
Ion Ratio Lower Upper

278 100

139 31.6 17.4 26.0#

279 41.5 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.81 ng/ul

RT: 27.49 min Scan# 4540

Delta R.T. -0.02 min

Lab File: BE094718.D

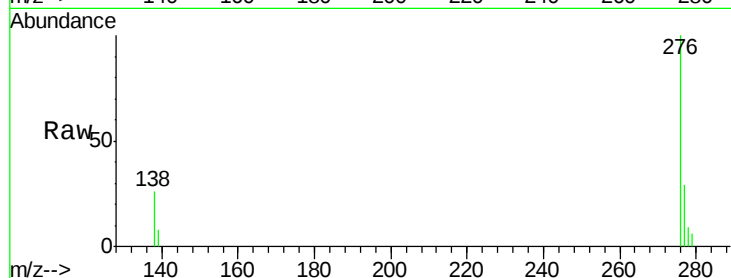
Acq: 3 Nov 2017 21:30

Instrument :

BNA_E

ClientSampleId :

B-12(0-1)-101317



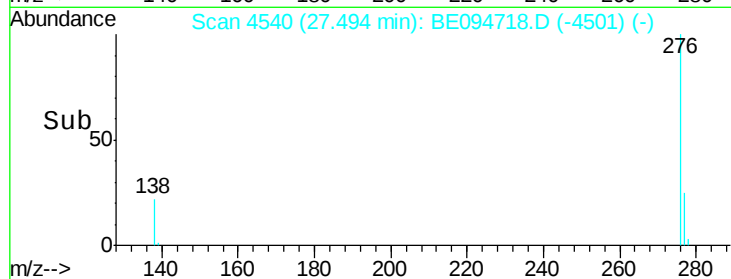
Tot Ion:276 Resp: 21989

Ion Ratio Lower Upper

276 100

138 26.2 21.8 32.8

277 28.7 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

