

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094722.D
 Acq On : 3 Nov 2017 23:54
 Operator : SJ/JU
 Sample : I5955-09 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-14(0-1)-101717

Quant Time: Nov 04 01:16:44 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	1588	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	9229	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5215	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	11288	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	10908	0.40	ng/ul	-0.01
20) Perylene-d12	23.95	264	11113	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	516	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	1315	0.04	ng/ul	-0.01

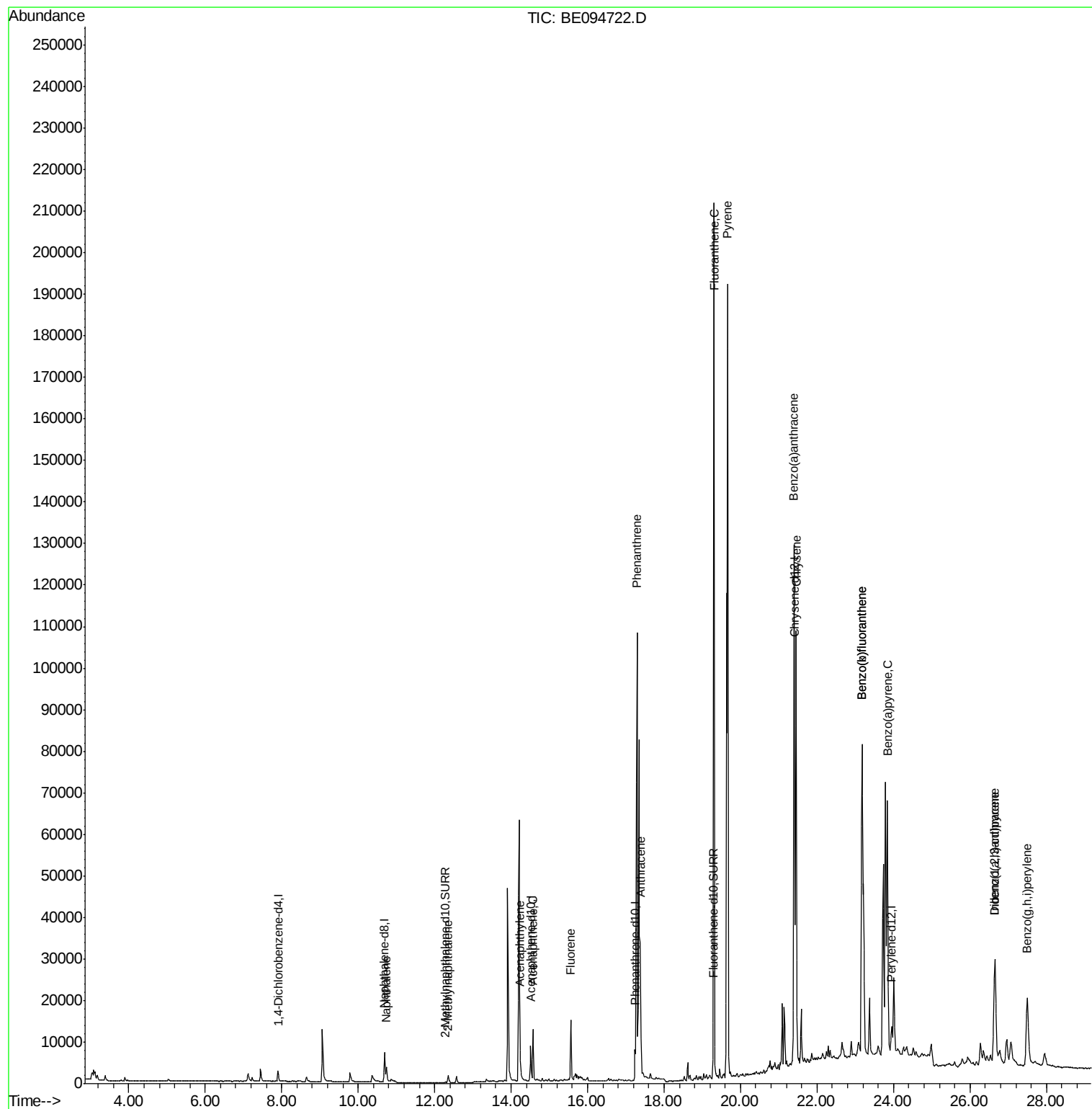
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	5941	0.26	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	2057	0.13	ng/ul	97
7) Acenaphthylene	14.24	152	5076	0.22	ng/ul	98
8) Acenaphthene	14.57	153	8037	0.47	ng/ul	99
9) Fluorene	15.56	166	10386	0.55	ng/ul#	92
12) Phenanthrene	17.29	178	150049	5.03	ng/ul#	92
13) Anthracene	17.38	178	38085	1.29	ng/ul#	92
15) Fluoranthene	19.30	202	250874	7.28	ng/ul	84
17) Pyrene	19.66	202	218696	6.49	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	117088	3.75	ng/ul#	87
19) Chrysene	21.45	228	118365	3.67	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	195216	6.24	ng/ul	88
22) Benzo(k)fluoranthene	23.18	252	195216	5.83	ng/ul#	90
23) Benzo(a)pyrene	23.84	252	100715	3.22	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.65	276	56497	1.75	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.65	278	14381	0.53	ng/ul#	78
26) Benzo(a,h,i)perylene	27.50	276	48033	1.85	ng/ul	97

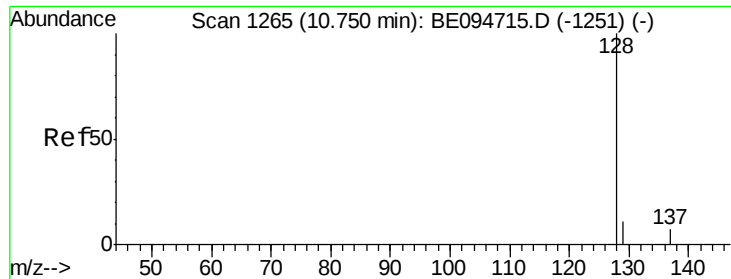
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.26 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

Instrument :

BNA_E

ClientSampleId :

B-14(0-1)-101717

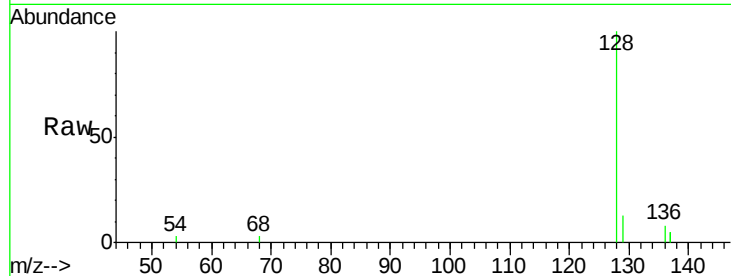
Tot Ion:128 Resp: 5941

Ion Ratio Lower Upper

128 100

129 13.1 11.3 16.9

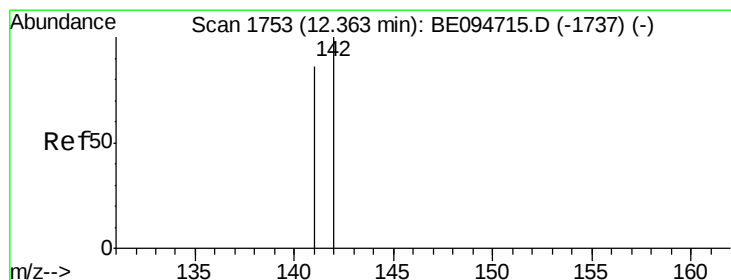
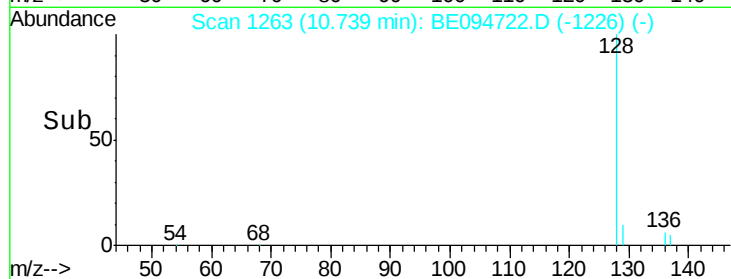
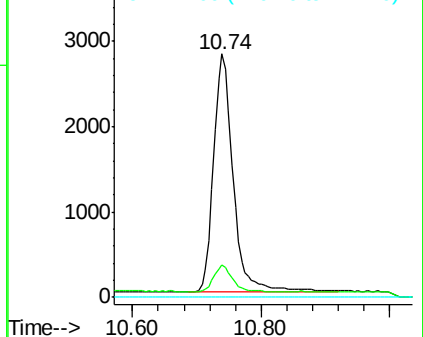
127 0.0 4.0 6.0#



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: 0.13 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094722.D

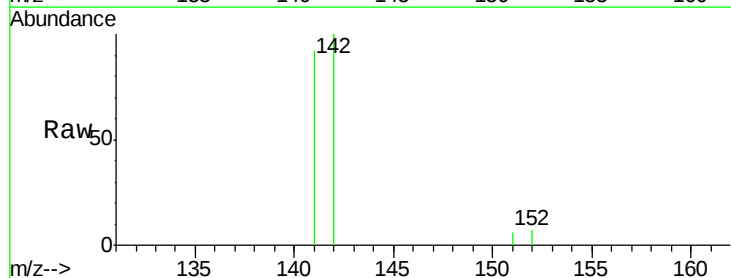
Acq: 3 Nov 2017 23:54

Tgt Ion:142 Resp: 2057

Ion Ratio Lower Upper

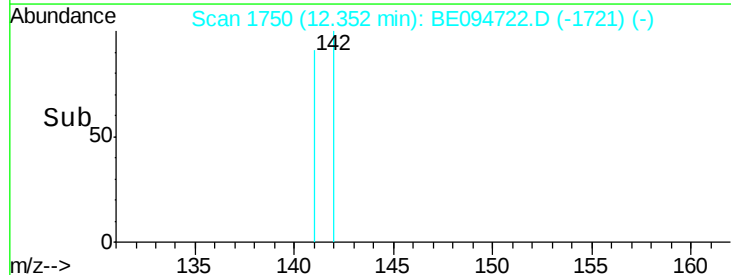
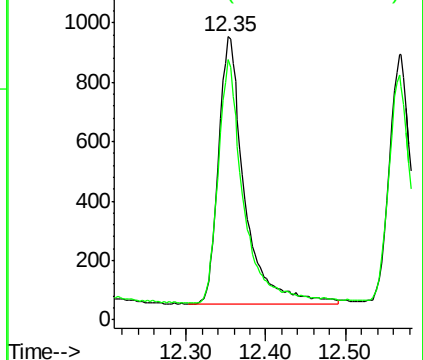
142 100

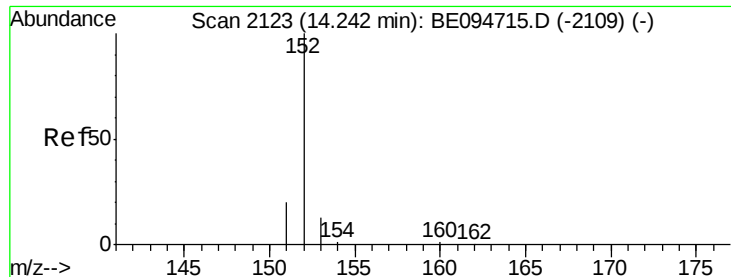
141 88.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.22 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

Instrument :

BNA_E

ClientSampleId :

B-14(0-1)-101717

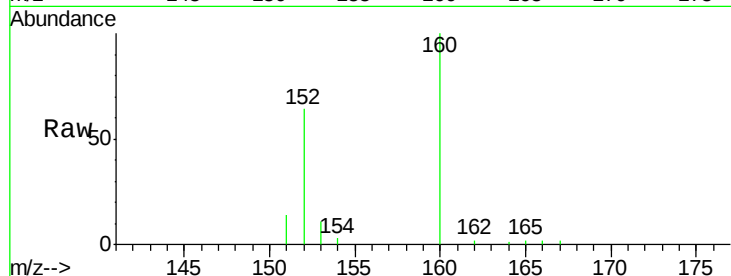
Tot Ion:152 Resp: 5076

Ion Ratio Lower Upper

152 100

151 22.0 17.1 25.7

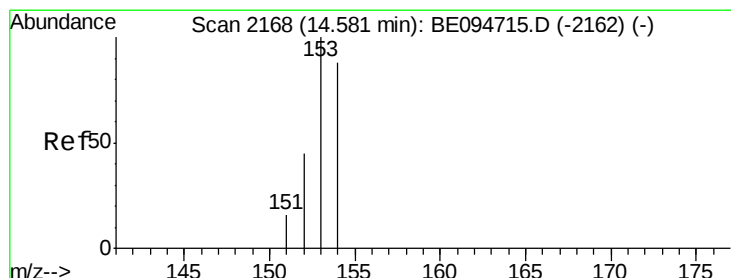
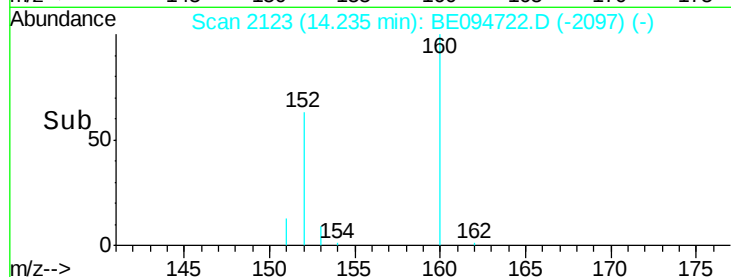
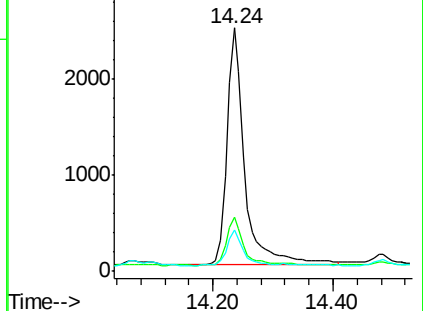
153 16.9 12.8 19.2



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: 0.47 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

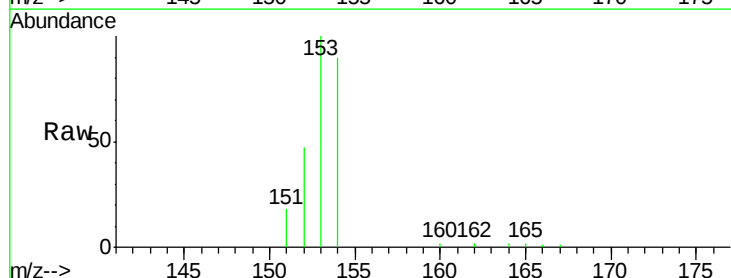
Tgt Ion:153 Resp: 8037

Ion Ratio Lower Upper

153 100

152 46.7 36.0 54.0

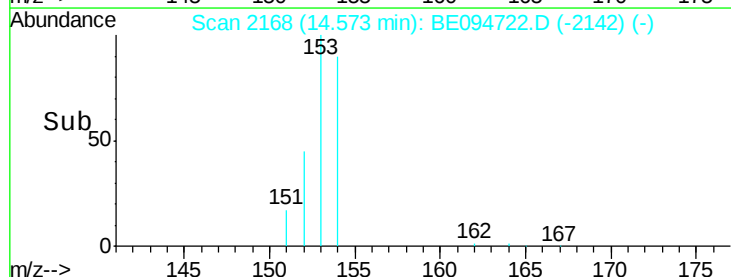
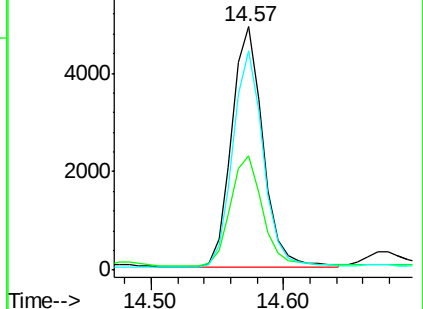
154 89.9 72.0 108.0

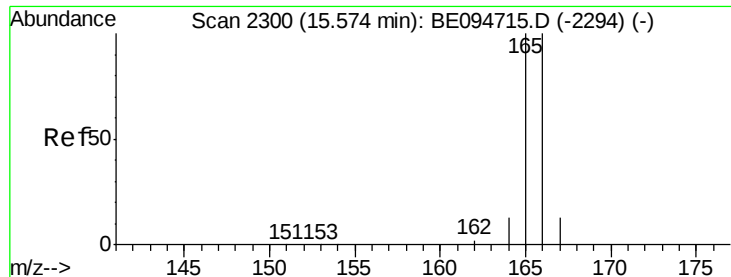


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.55 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

Instrument :

BNA_E

ClientSampleId :

B-14(0-1)-101717

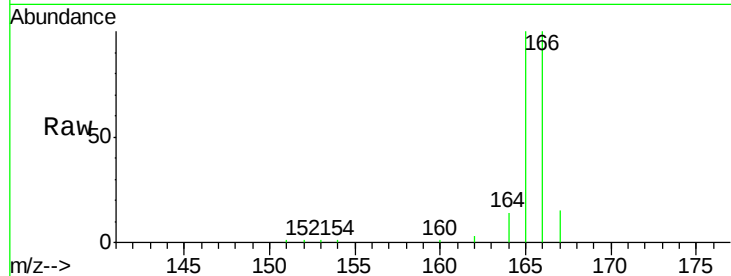
Tot Ion:166 Resp: 10386

Ion Ratio Lower Upper

166 100

165 99.9 73.4 110.2

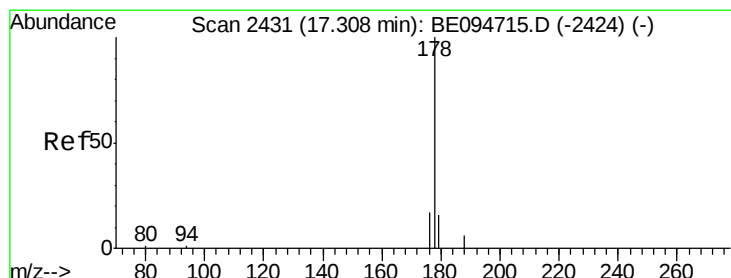
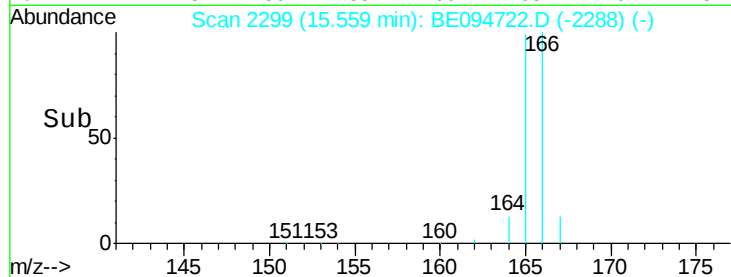
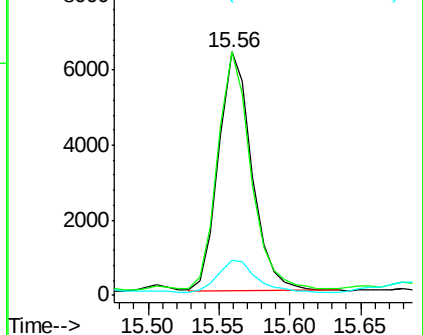
167 14.6 14.6 22.0#



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: 5.03 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

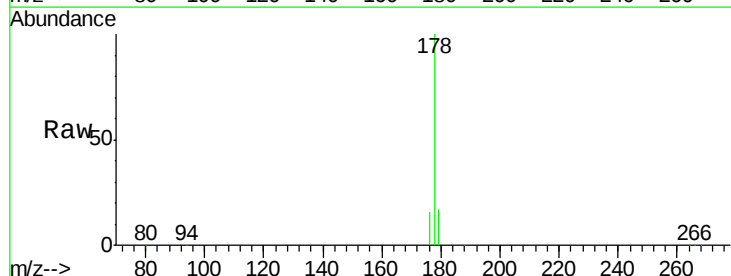
Tgt Ion:178 Resp: 150049

Ion Ratio Lower Upper

178 100

179 17.4 18.4 27.6#

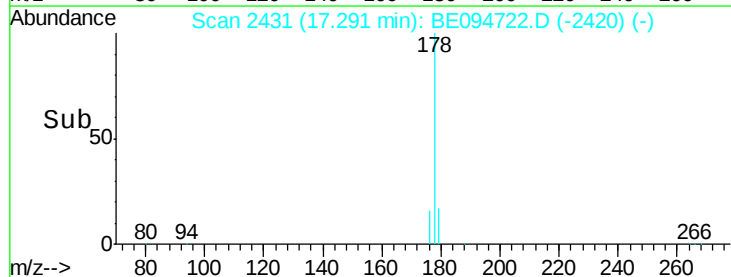
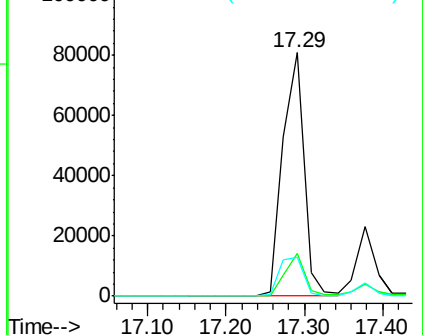
176 16.0 13.6 20.4

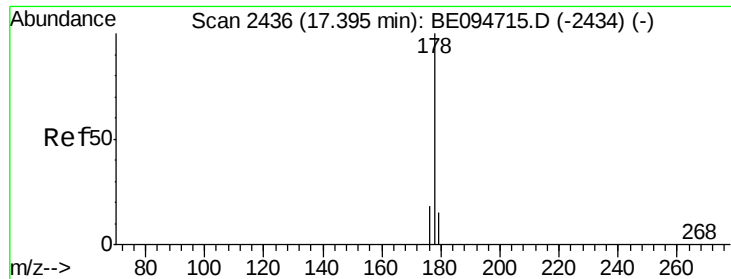


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 1.29 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

Instrument :

BNA_E

ClientSampleId :

B-14(0-1)-101717

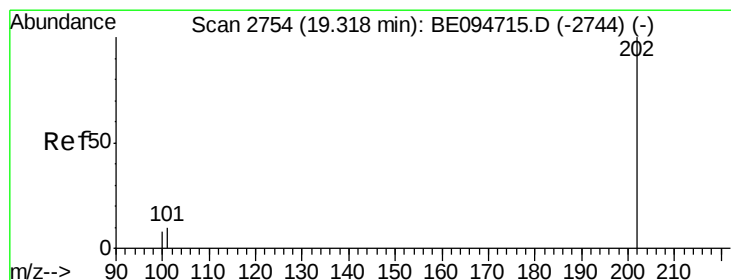
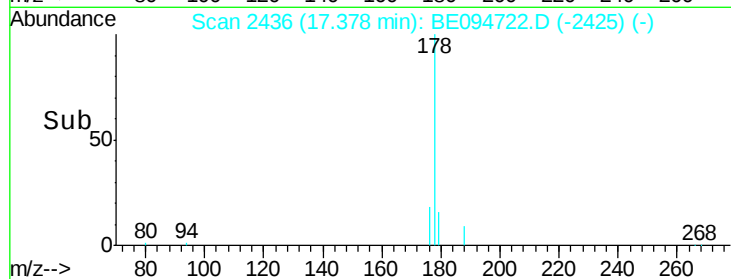
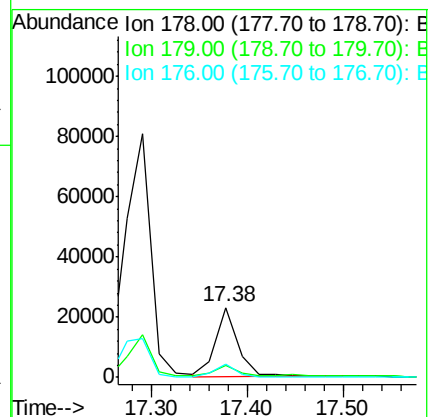
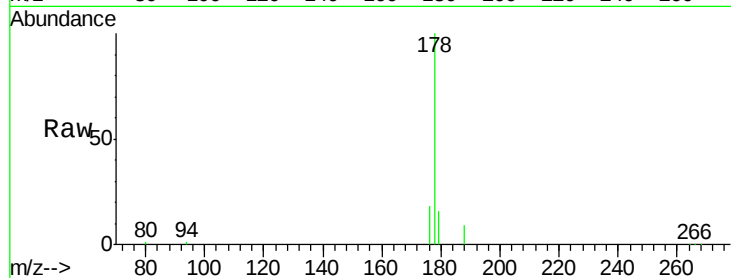
Tot Ion:178 Resp: 38085

Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

176 18.1 14.7 22.1



#15

Fluoranthene

Concen: 7.28 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

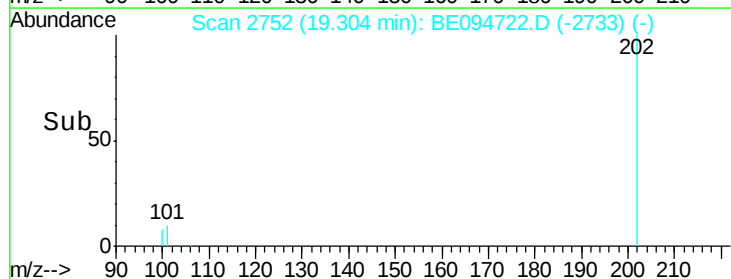
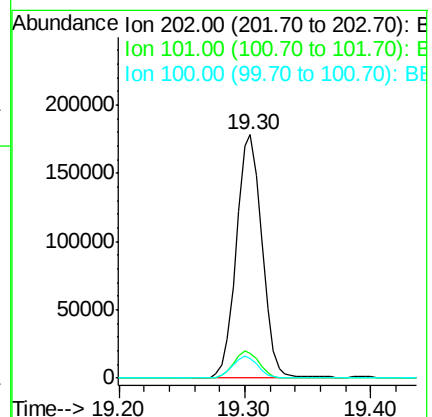
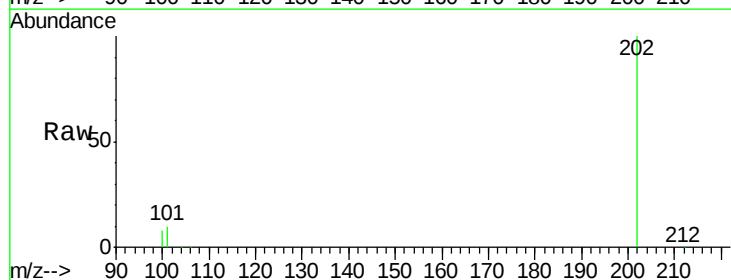
Tgt Ion:202 Resp: 250874

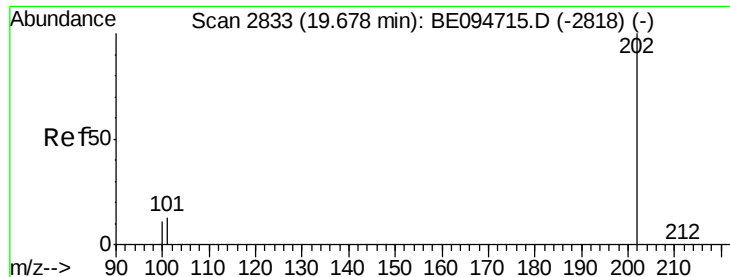
Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.3

100 8.2 0.0 39.5





#17

Pvrene

Concen: 6.49 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

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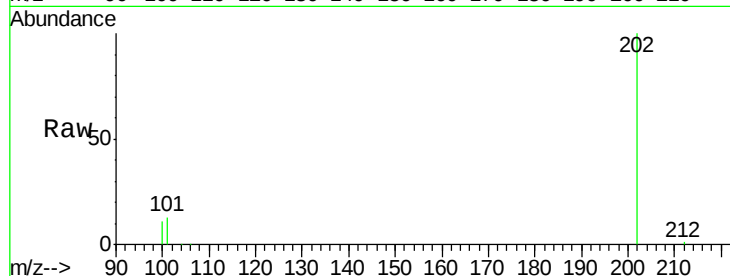
Tot Ion:202 Resp: 218696

Ion Ratio Lower Upper

202 100

101 13.2 18.2 27.4#

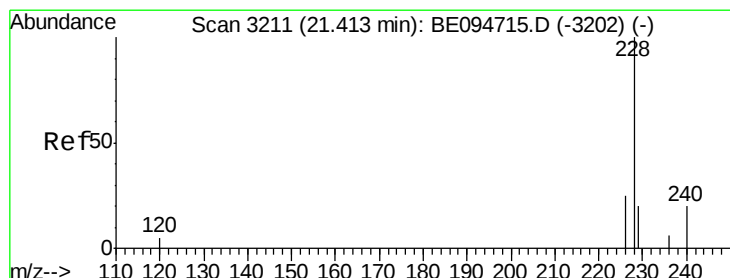
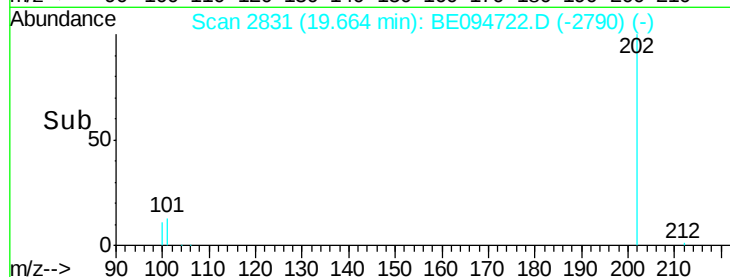
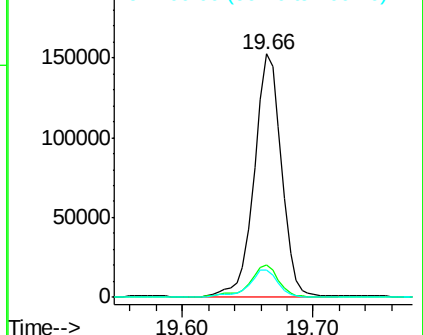
100 11.5 15.6 23.4#



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: 3.75 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

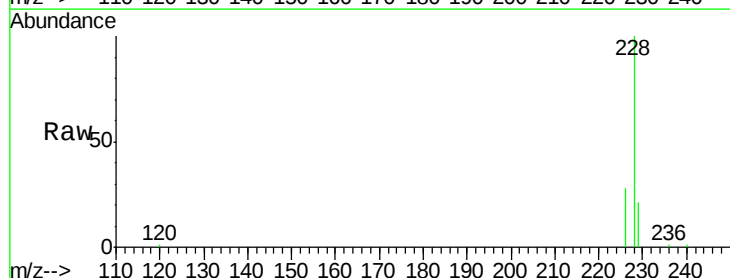
Tgt Ion:228 Resp: 117088

Ion Ratio Lower Upper

228 100

229 21.4 22.8 34.2#

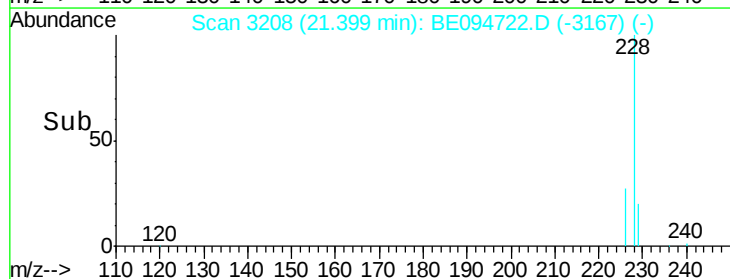
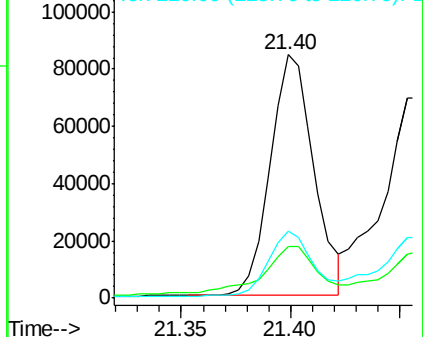
226 27.6 17.0 25.6#

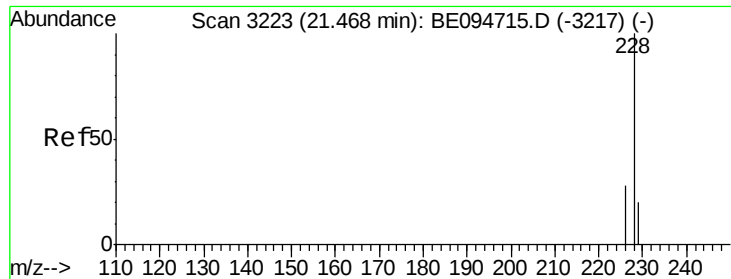


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.67 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

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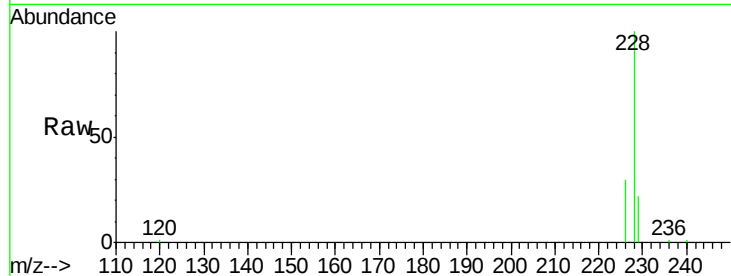
Tot Ion:228 Resp: 118365

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

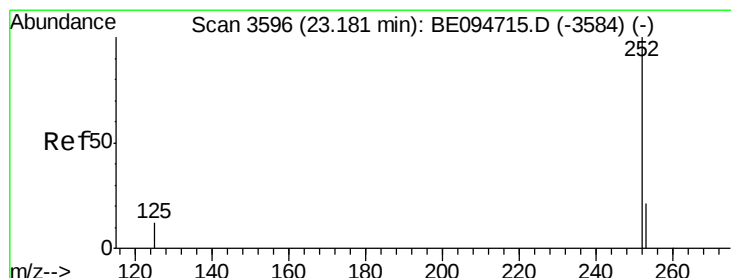
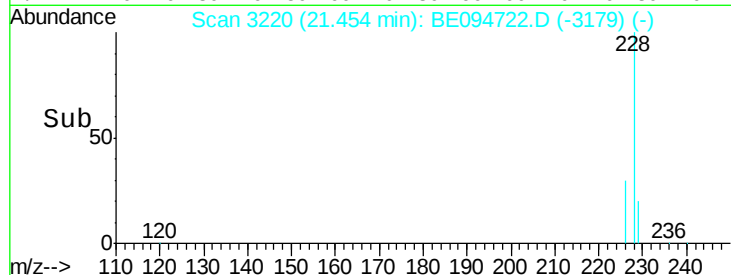
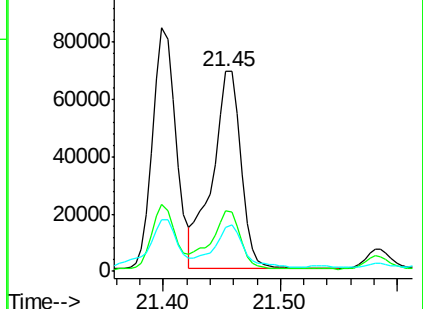
229 21.9 17.7 26.5



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: 6.24 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.00 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

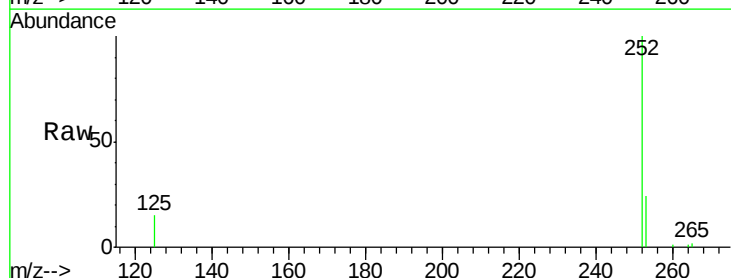
Tgt Ion:252 Resp: 195216

Ion Ratio Lower Upper

252 100

253 24.0 0.0 64.2

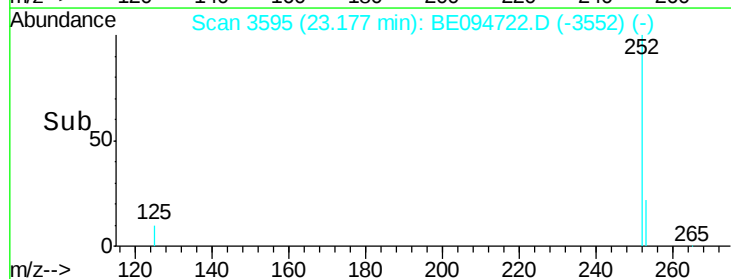
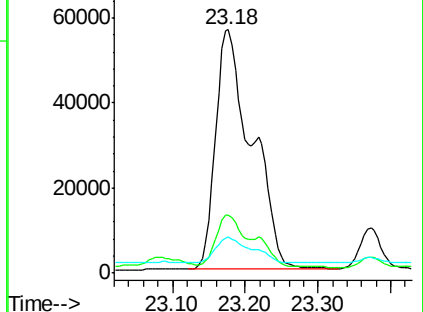
125 14.7 0.0 35.0

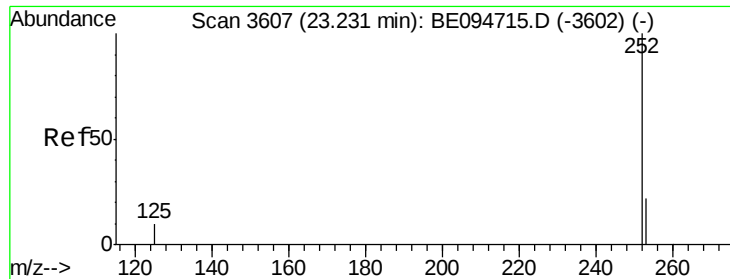


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 5.83 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.05 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

Instrument :

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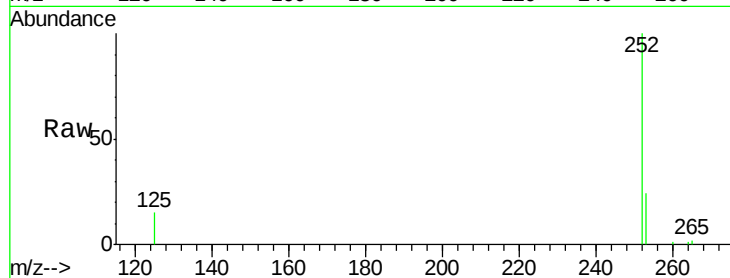
Tot Ion:252 Resp: 195216

Ion Ratio Lower Upper

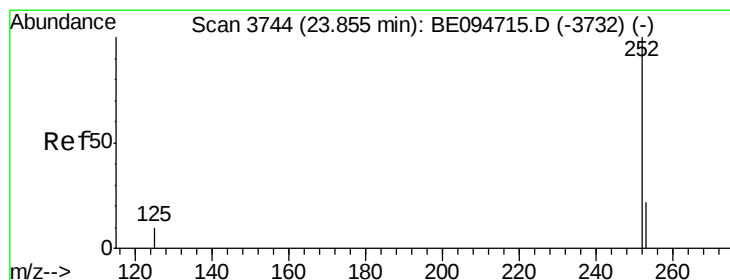
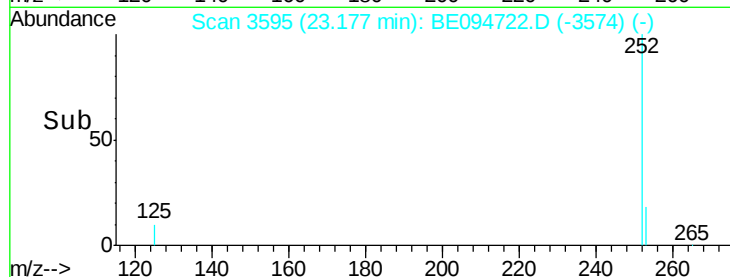
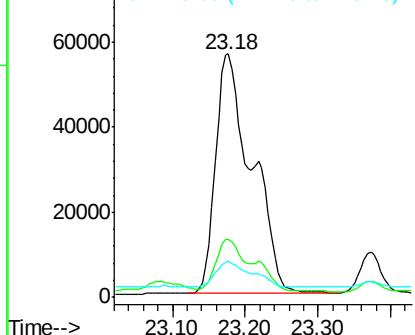
252 100

253 24.0 24.5 36.7#

125 14.7 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: 3.22 ng/ul

RT: 23.84 min Scan# 3740

Delta R.T. -0.02 min

Lab File: BE094722.D

Acq: 3 Nov 2017 23:54

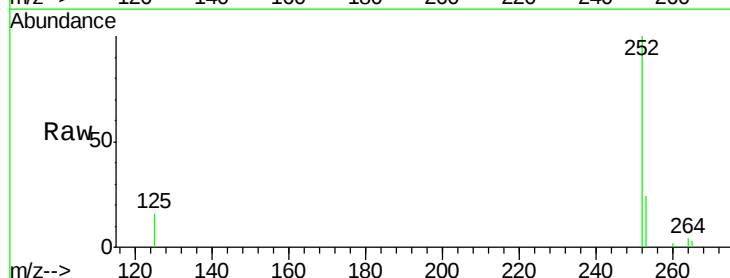
Tgt Ion:252 Resp: 100715

Ion Ratio Lower Upper

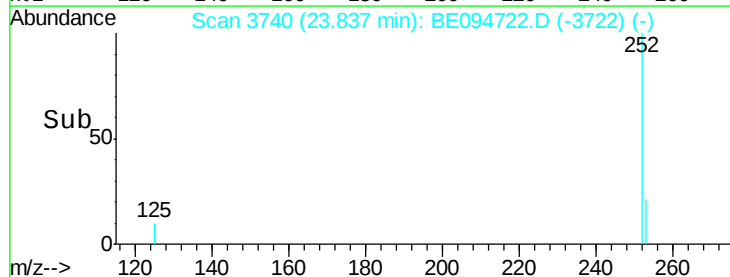
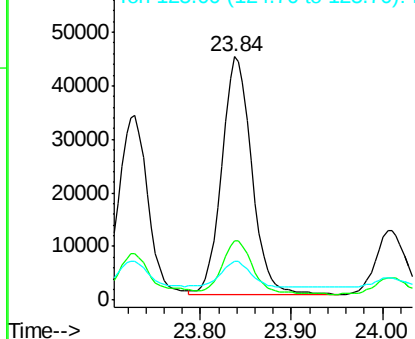
252 100

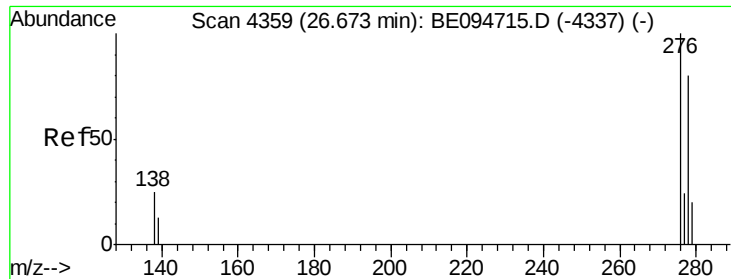
253 24.4 28.5 42.7#

125 15.9 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

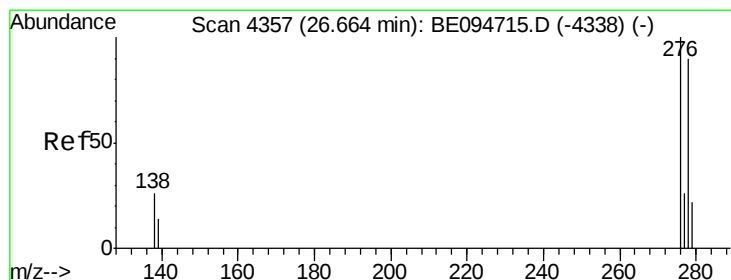
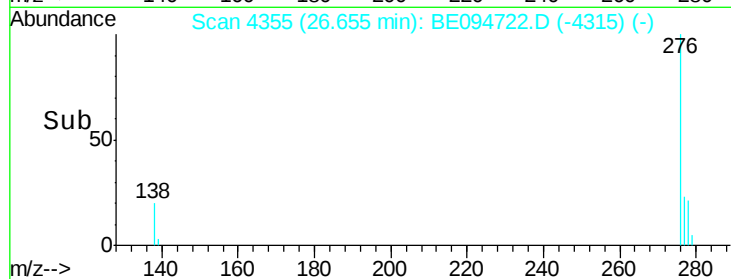
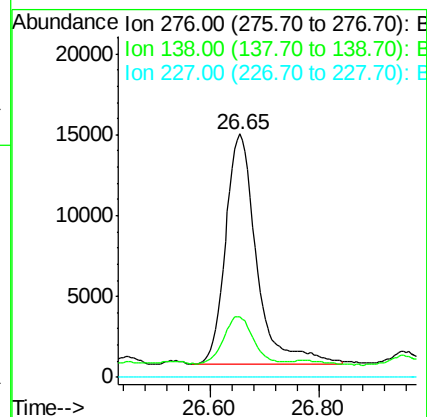
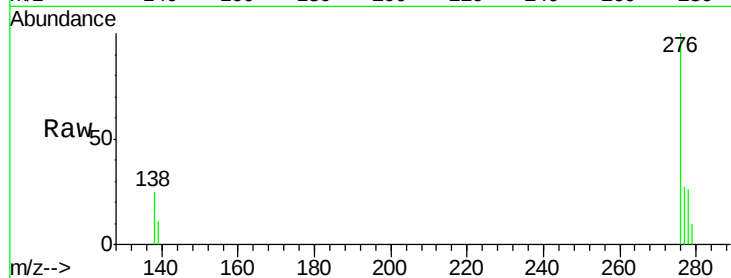




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.75 ng/ul
 RT: 26.65 min Scan# 4355
 Delta R.T. -0.02 min
 Lab File: BE094722.D
 Acq: 3 Nov 2017 23:54

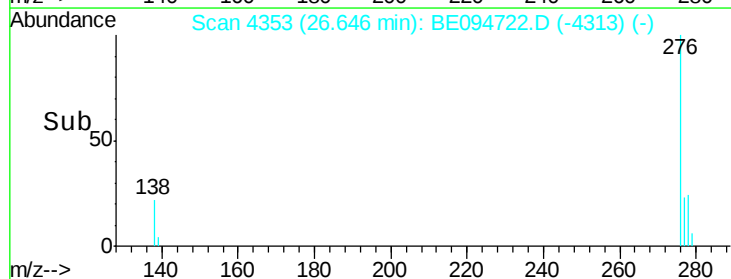
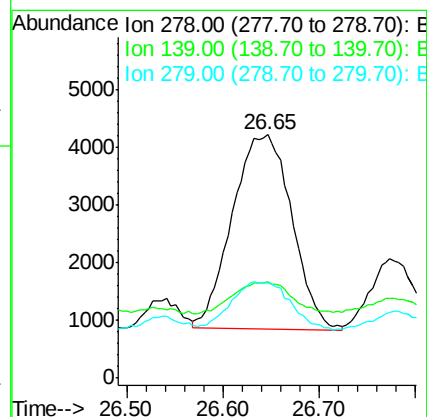
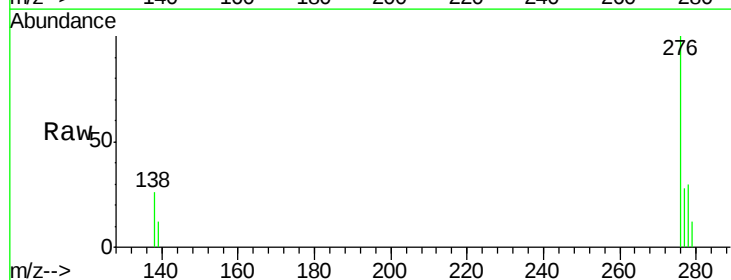
Instrument :
 BNA_E
 ClientSampleId :
 B-14(0-1)-101717

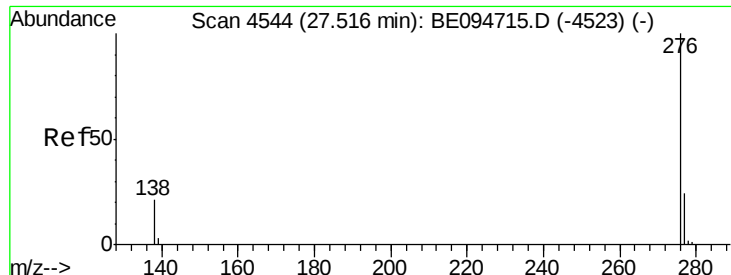
Tot Ion:276 Resp: 56497
 Ion Ratio Lower Upper
 276 100
 138 20.1 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.53 ng/ul
 RT: 26.65 min Scan# 4353
 Delta R.T. -0.02 min
 Lab File: BE094722.D
 Acq: 3 Nov 2017 23:54

Tgt Ion:278 Resp: 14381
 Ion Ratio Lower Upper
 278 100
 139 39.5 17.4 26.0#
 279 38.9 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 1.85 ng/ul

RT: 27.50 min Scan# 4540

Delta R.T. -0.02 min

Lab File: BE094722.D

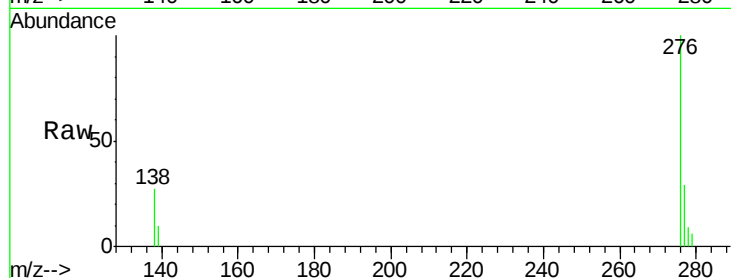
Acq: 3 Nov 2017 23:54

Instrument :

BNA_E

ClientSampleId :

B-14(0-1)-101717



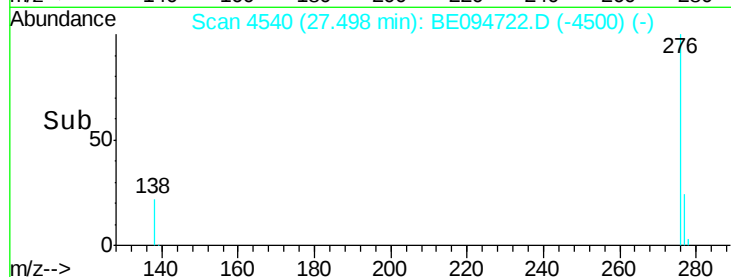
Tot Ion: 276 Resp: 48033

Ion Ratio Lower Upper

276 100

138 27.3 21.8 32.8

277 28.8 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

