

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094739.D
 Acq On : 4 Nov 2017 9:53
 Operator : SJ/JU
 Sample : I5955-06MS 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-15(0.25-1.25)-101717MS

Quant Time: Nov 05 23:59:04 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 06:57:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1669	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	9690	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	5539	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12045	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	12004	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	11923	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	418	0.03	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1037	0.03	ng/ul	0.00

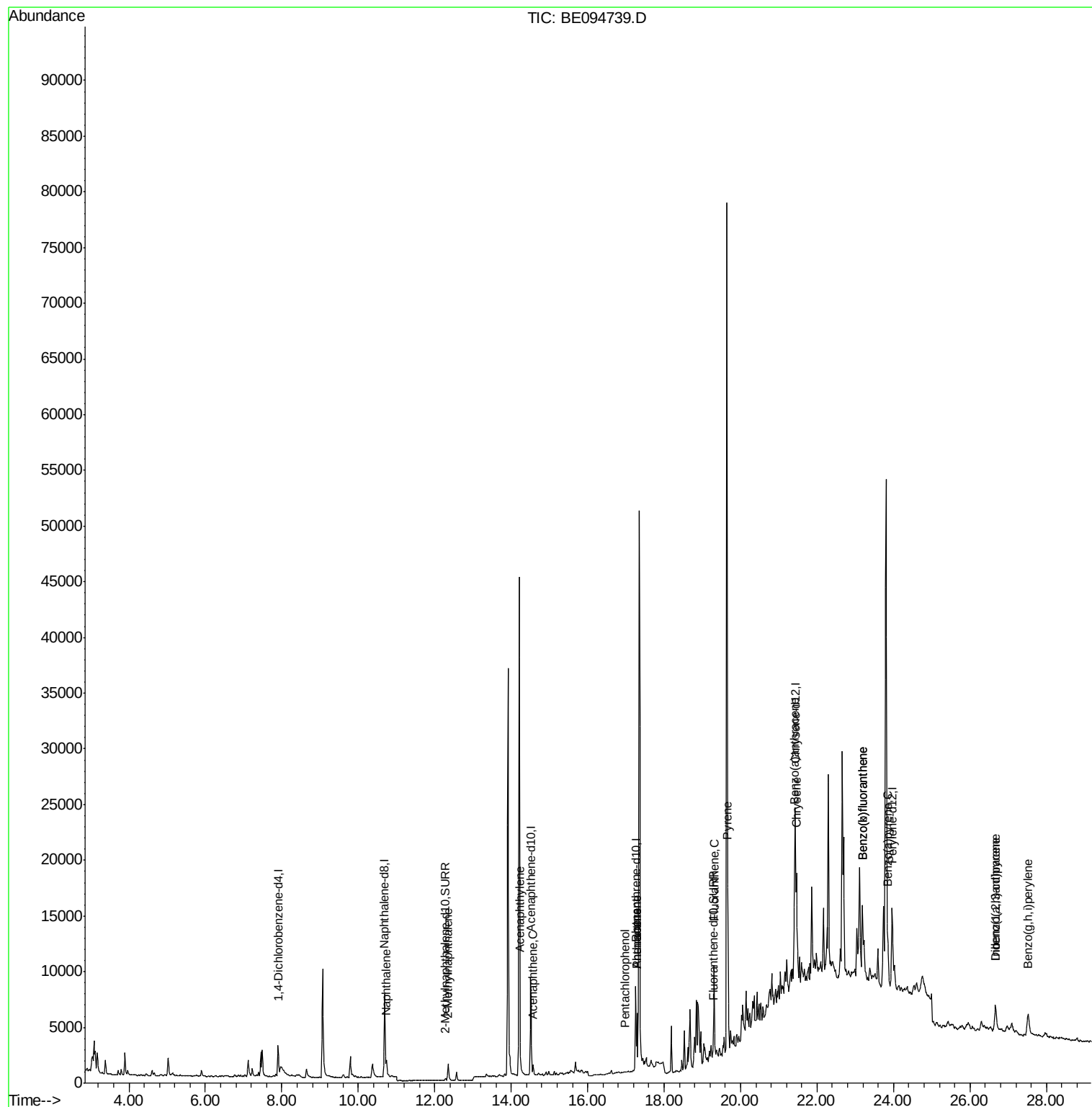
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	2463	0.10	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	1706	0.10	ng/ul	98
7) Acenaphthylene	14.24	152	690	0.03	ng/ul#	68
8) Acenaphthene	14.57	153	587	0.03	ng/ul#	93
11) Pentachlorophenol	16.98	266	17	0.03	ng/ul#	39
12) Phenanthrene	17.29	178	6101	0.19	ng/ul#	93
13) Anthracene	17.29	178	5840	0.19	ng/ul	95
15) Fluoranthene	19.31	202	10854	0.30	ng/ul	83
17) Pyrene	19.67	202	15153	0.41	ng/ul#	84
18) Benzo(a)anthracene	21.41	228	5592	0.16	ng/ul#	30
19) Chrysene	21.46	228	14626	0.41	ng/ul#	53
21) Benzo(b)fluoranthene	23.19	252	15938	0.48	ng/ul#	47
22) Benzo(k)fluoranthene	23.19	252	15404	0.43	ng/ul#	43
23) Benzo(a)pyrene	23.85	252	6232	0.19	ng/ul#	26
24) Indeno(1,2,3-cd)pyrene	26.67	276	4777	0.14	ng/ul#	72
25) Dibenzo(a,h)anthracene	26.67	278	1445	0.05	ng/ul#	1
26) Benzo(a,h,i)perylene	27.52	276	5622	0.20	ng/ul#	50

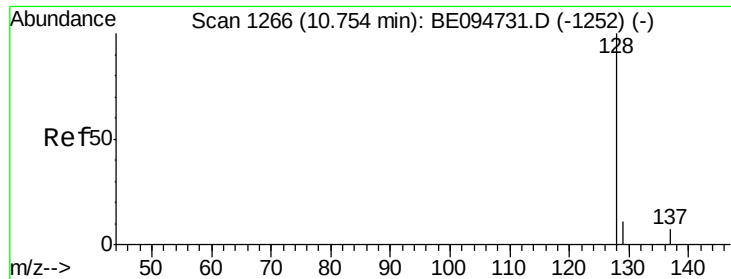
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MS

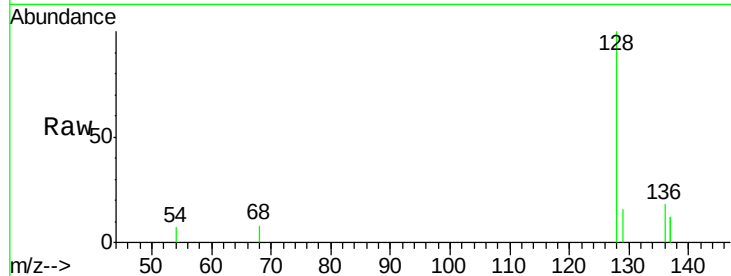
Tot Ion:128 Resp: 2463

Ion Ratio Lower Upper

128 100

129 16.1 11.3 16.9

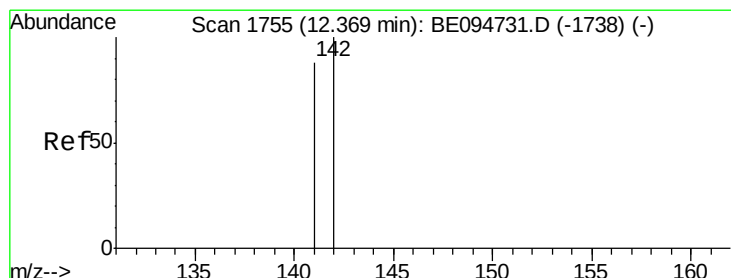
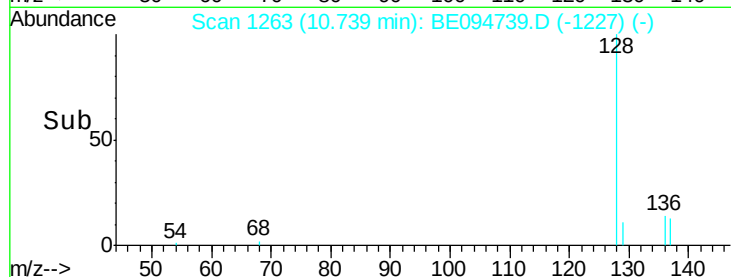
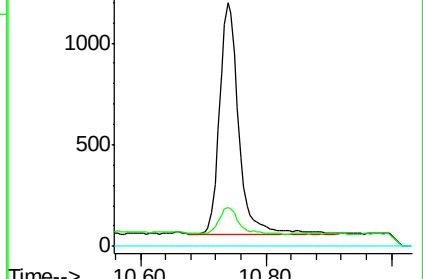
127 0.0 4.0 6.0#



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: 0.10 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BE094739.D

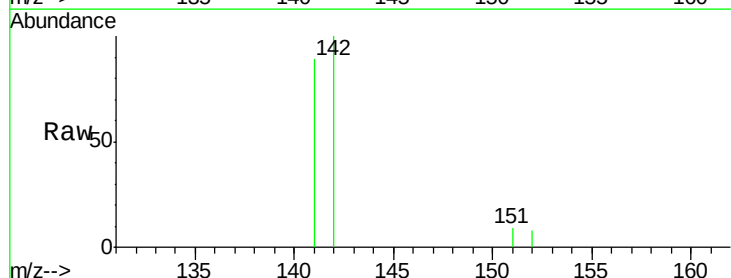
Acq: 4 Nov 2017 9:53

Tgt Ion:142 Resp: 1706

Ion Ratio Lower Upper

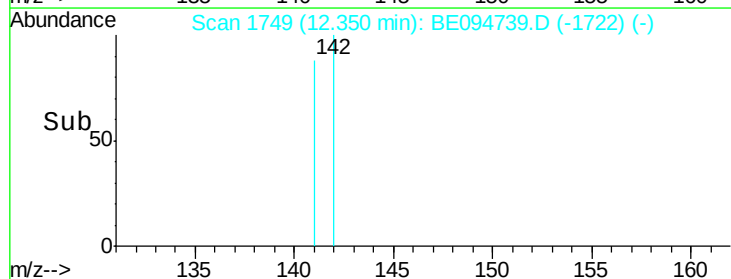
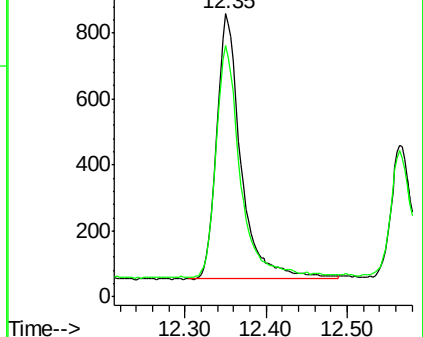
142 100

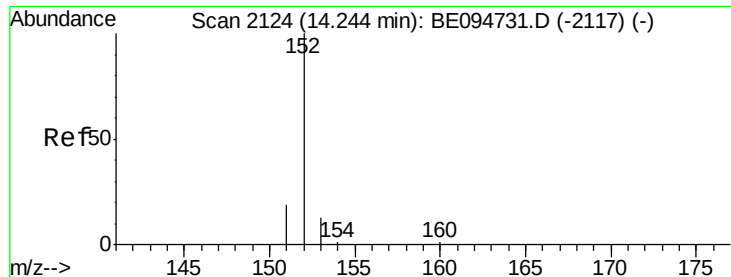
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MS

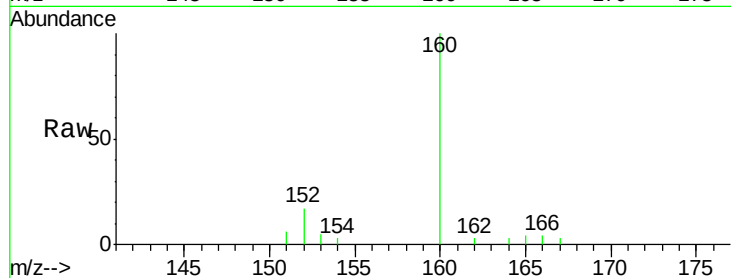
Tot Ion:152 Resp: 690

Ion Ratio Lower Upper

152 100

151 35.8 17.1 25.7#

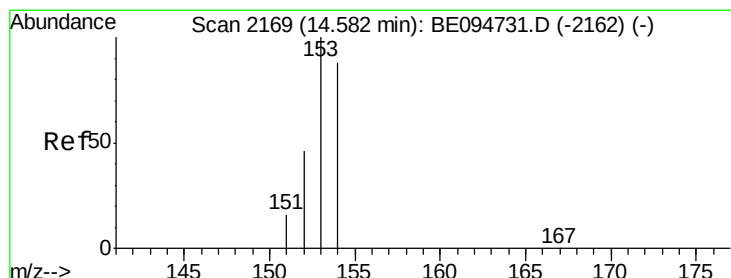
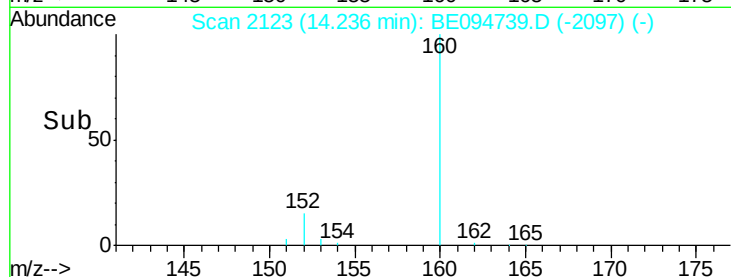
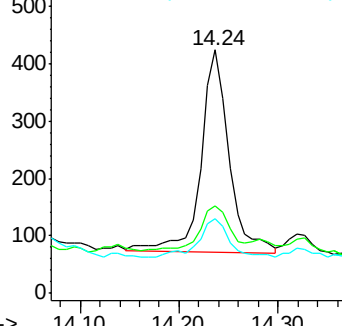
153 30.7 12.8 19.2#



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: 0.03 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

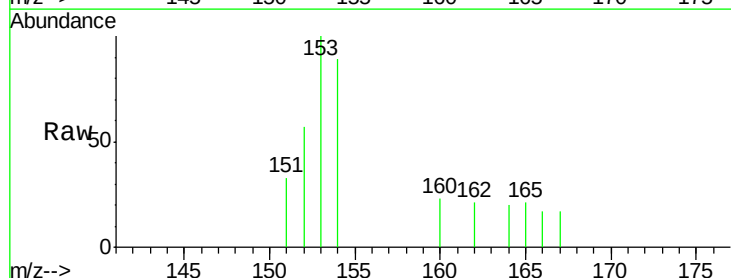
Tgt Ion:153 Resp: 587

Ion Ratio Lower Upper

153 100

152 57.4 36.0 54.0#

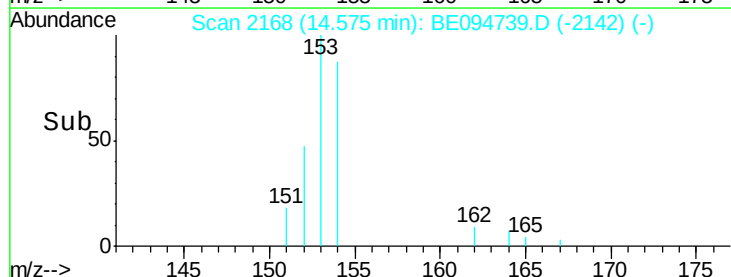
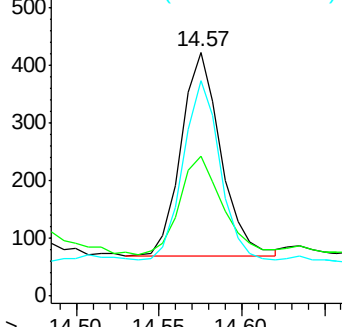
154 88.7 72.0 108.0

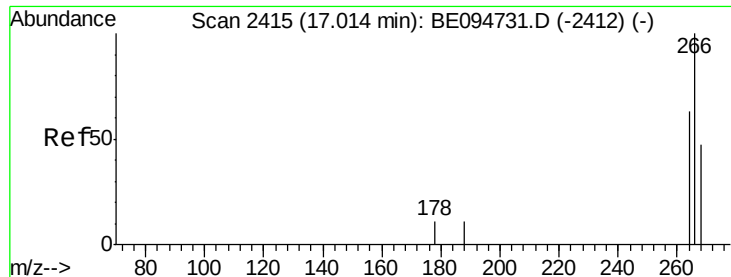


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

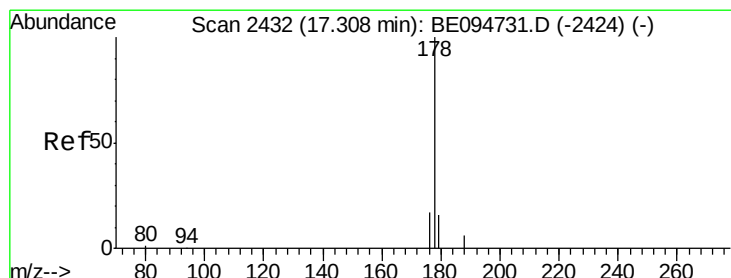
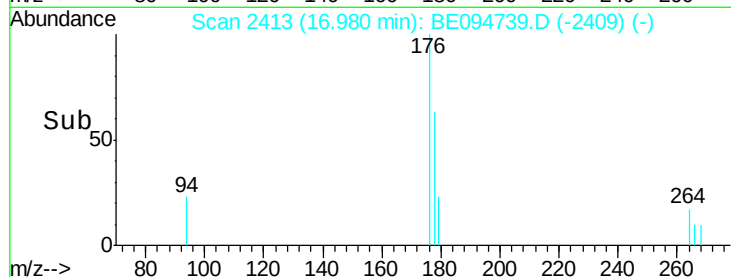
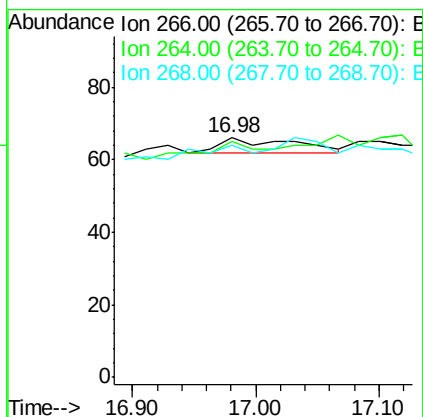
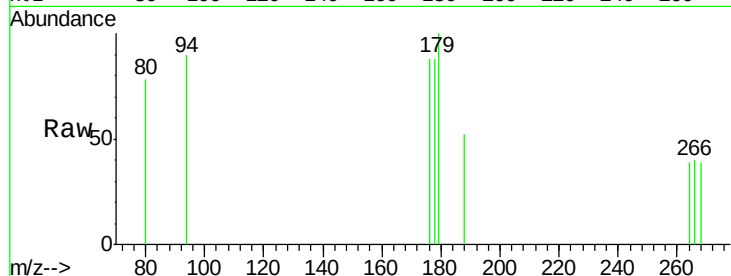




#11
 Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 16.98 min Scan# 2413
 Delta R.T. -0.03 min
 Lab File: BE094739.D
 Acq: 4 Nov 2017 9:53

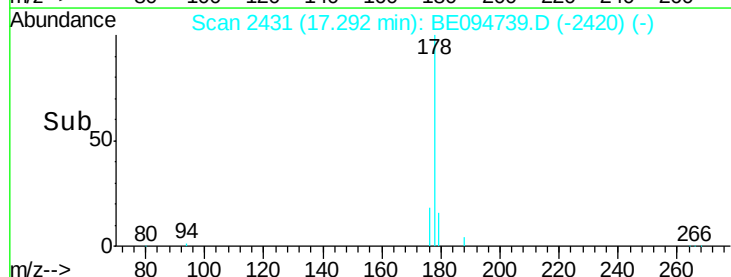
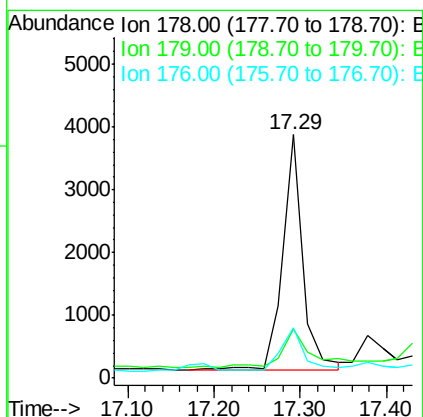
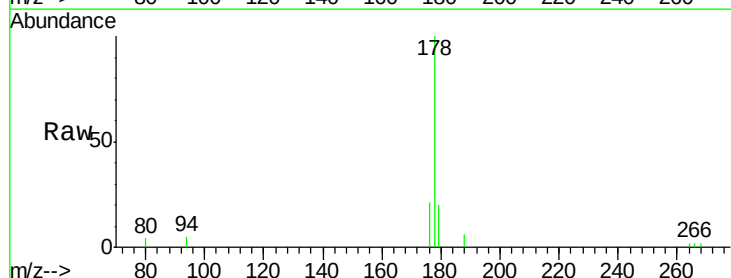
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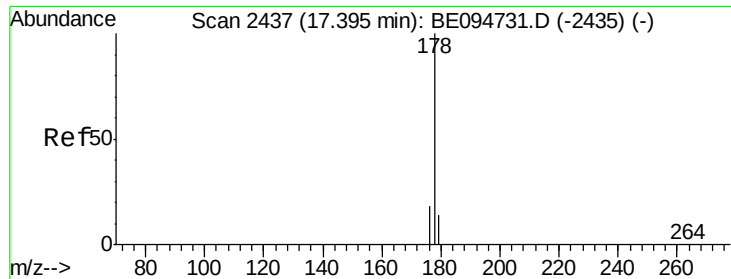
Tot Ion: 266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 29.4 47.9 71.9#
 268 0.0 49.8 74.8#



#12
 Phenanthrene
 Concen: 0.19 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094739.D
 Acq: 4 Nov 2017 9:53

Tgt Ion: 178 Resp: 6101
 Ion Ratio Lower Upper
 178 100
 179 20.4 18.4 27.6
 176 20.7 13.6 20.4#





#13

Anthracene

Concen: 0.19 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.10 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MS

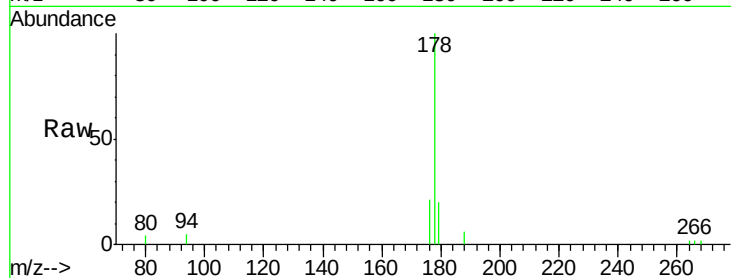
Tot Ion:178 Resp: 5840

Ion Ratio Lower Upper

178 100

179 20.4 18.1 27.1

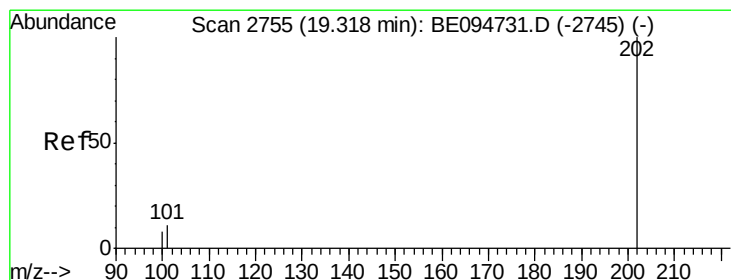
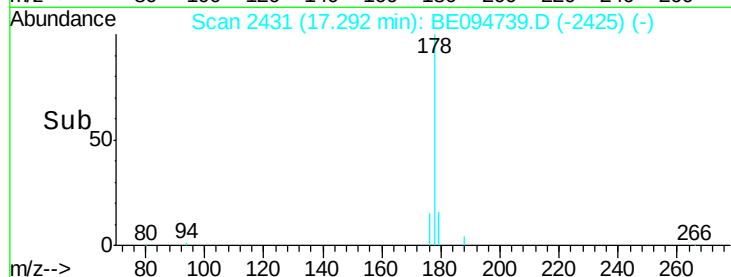
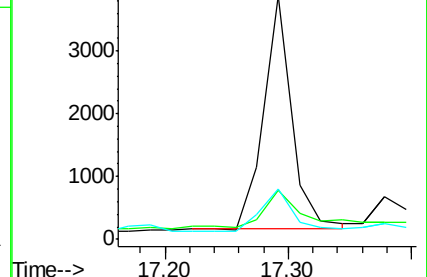
176 20.7 14.7 22.1



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: 0.30 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

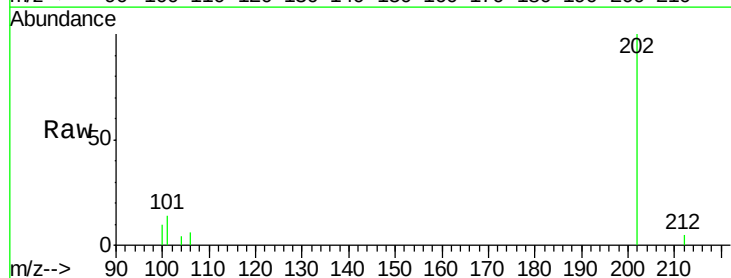
Tgt Ion:202 Resp: 10854

Ion Ratio Lower Upper

202 100

101 14.2 0.0 30.3

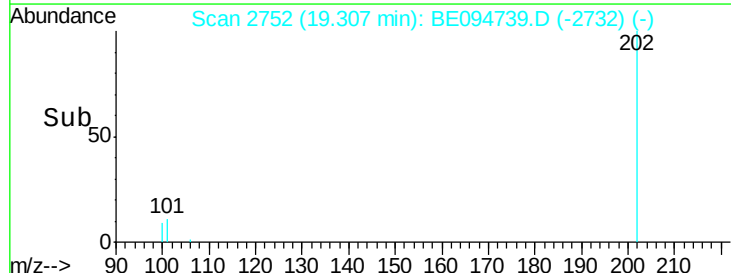
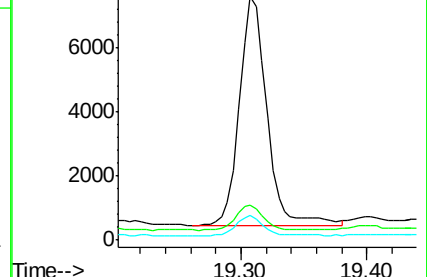
100 10.0 0.0 39.5

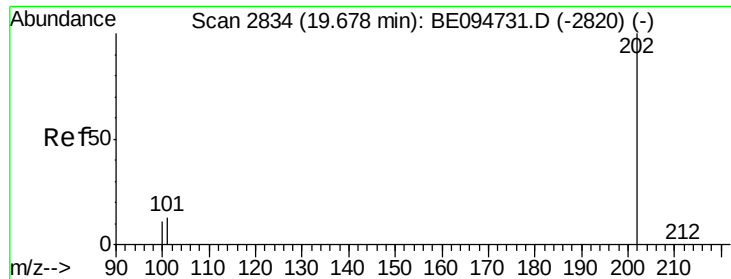


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.41 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

Instrument :

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ClientSampleId :

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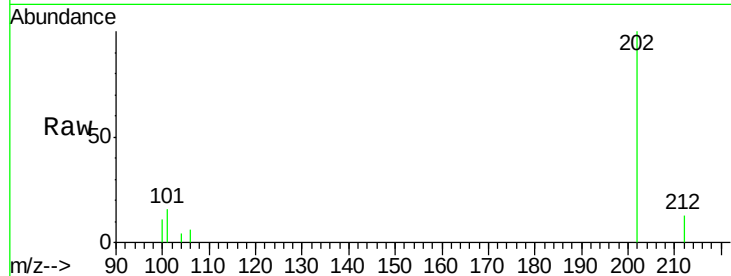
Tot Ion:202 Resp: 15153

Ion Ratio Lower Upper

202 100

101 16.4 18.2 27.4#

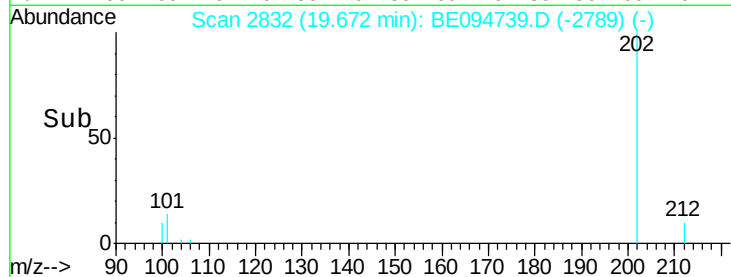
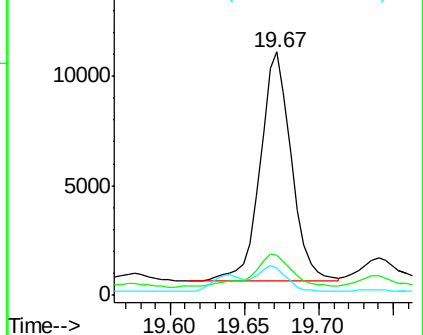
100 11.0 15.6 23.4#



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: 0.16 ng/ul

RT: 21.41 min Scan# 3210

Delta R.T. -0.01 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

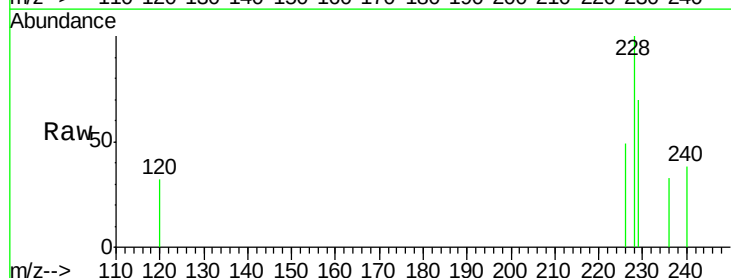
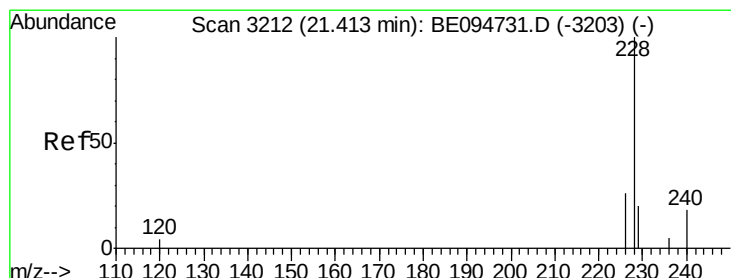
Tgt Ion:228 Resp: 5592

Ion Ratio Lower Upper

228 100

229 69.6 22.8 34.2#

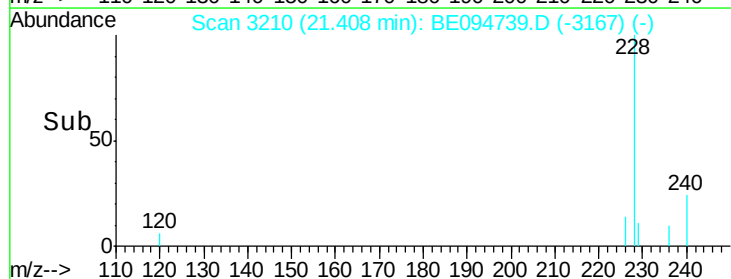
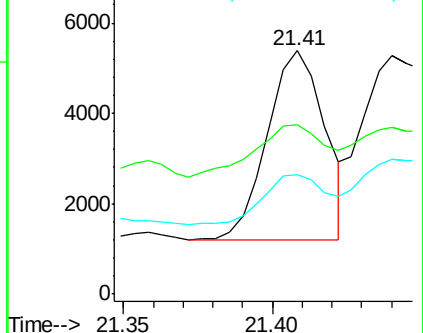
226 49.3 17.0 25.6#

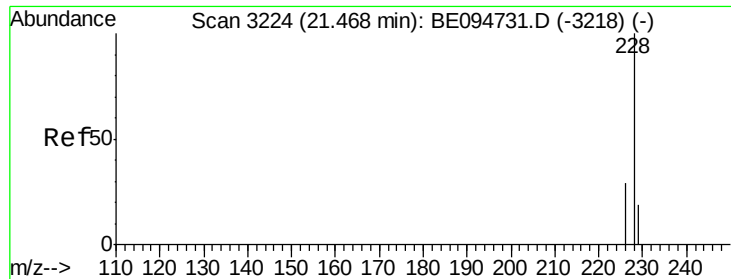


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.41 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.01 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

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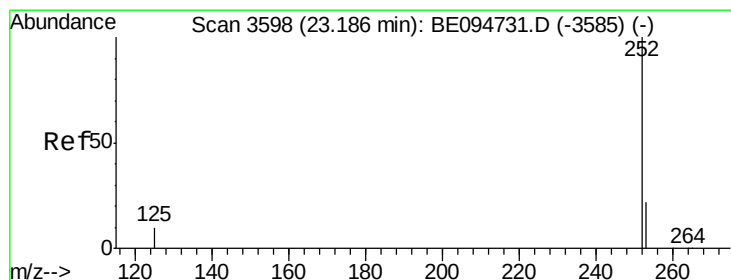
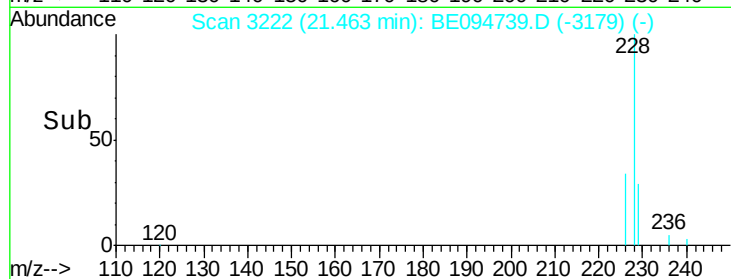
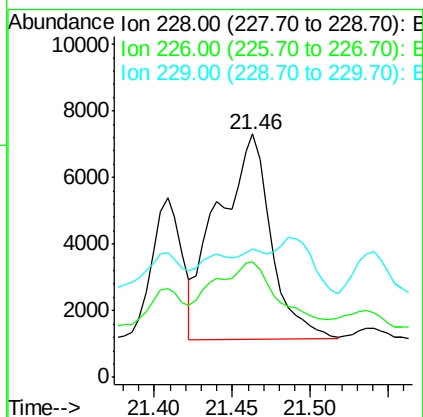
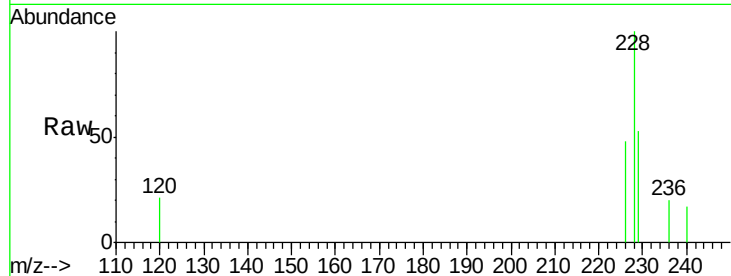
Tot Ion:228 Resp: 14626

Ion Ratio Lower Upper

228 100

226 47.6 23.4 35.0#

229 52.9 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.48 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

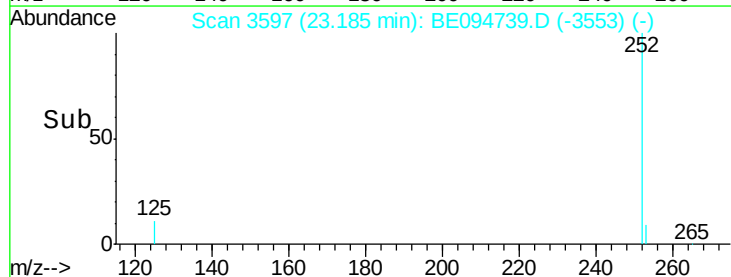
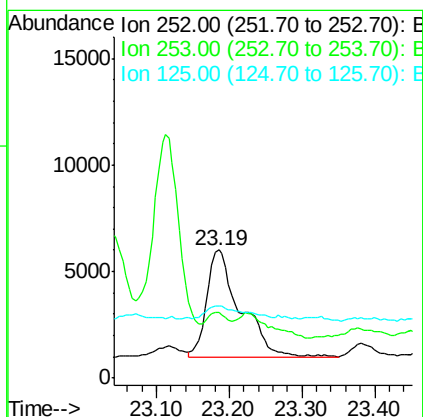
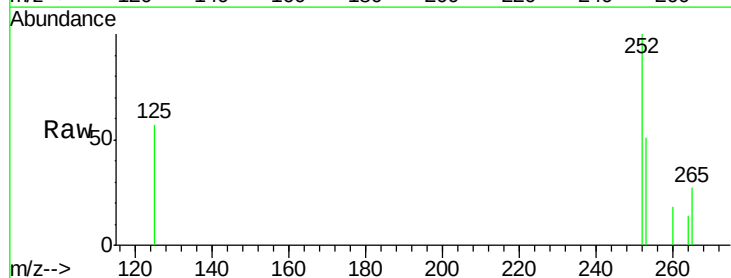
Tgt Ion:252 Resp: 15938

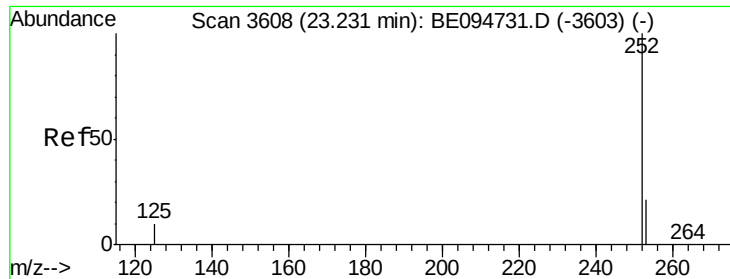
Ion Ratio Lower Upper

252 100

253 50.9 0.0 64.2

125 56.8 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.05 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MS

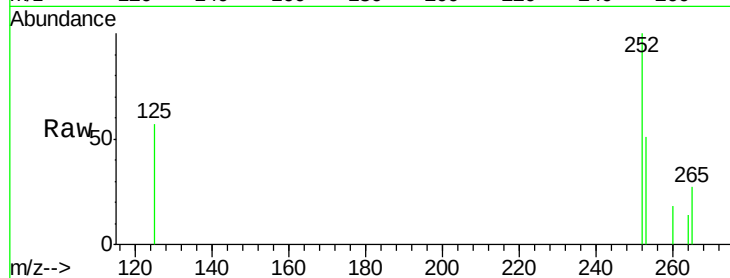
Tot Ion:252 Resp: 15404

Ion Ratio Lower Upper

252 100

253 50.9 24.5 36.7#

125 56.8 13.7 20.5#

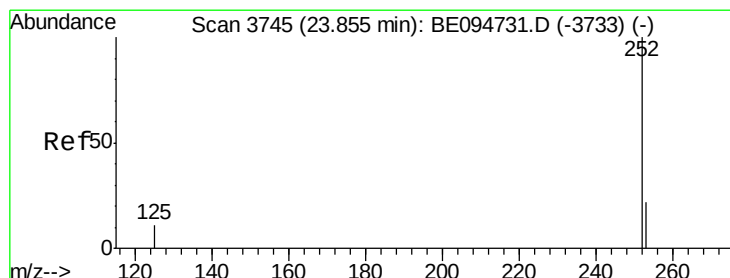
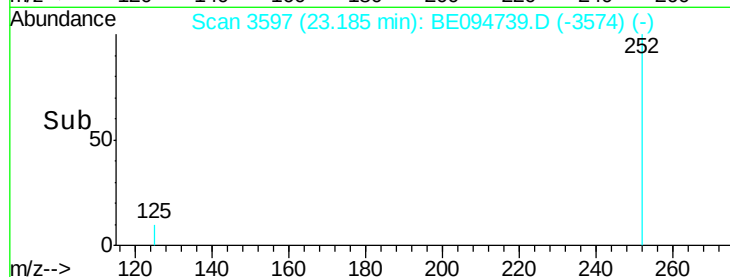
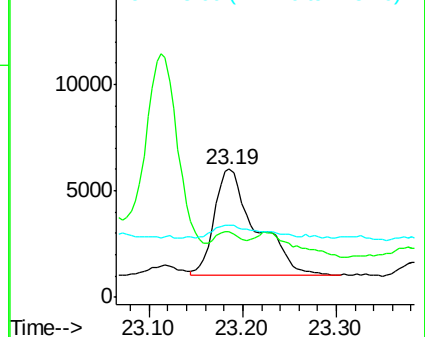


Abundance

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: 0.19 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

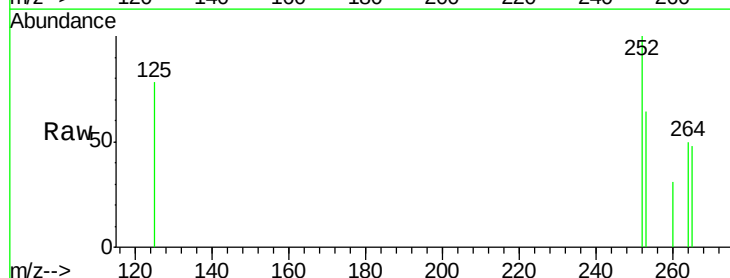
Tgt Ion:252 Resp: 6232

Ion Ratio Lower Upper

252 100

253 63.9 28.5 42.7#

125 78.0 18.1 27.1#

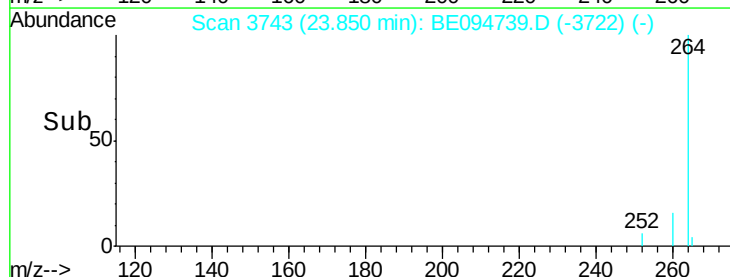
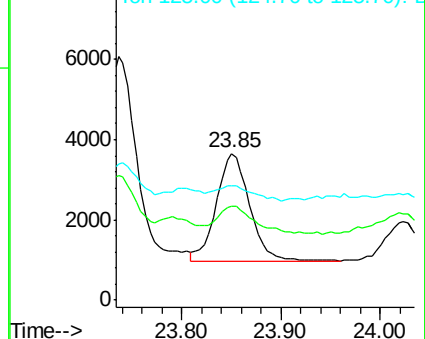


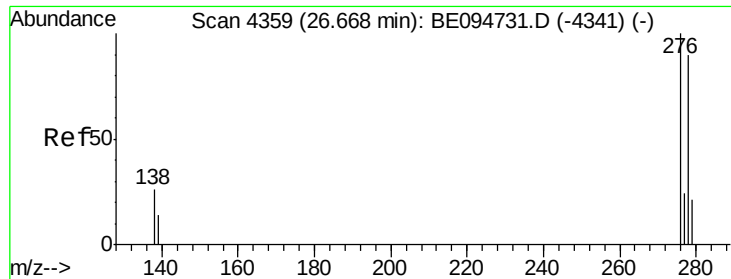
Abundance

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: 0.14 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. 0.01 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MS

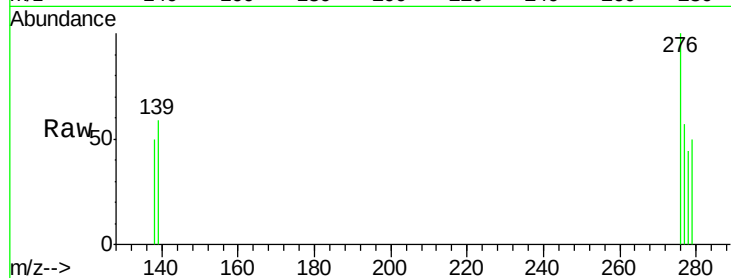
Tot Ion:276 Resp: 4777

Ion Ratio Lower Upper

276 100

138 18.3 28.0 42.0#

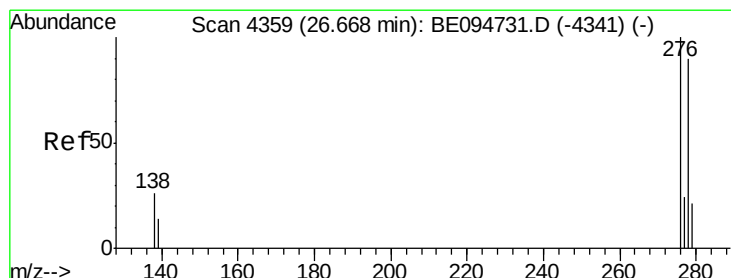
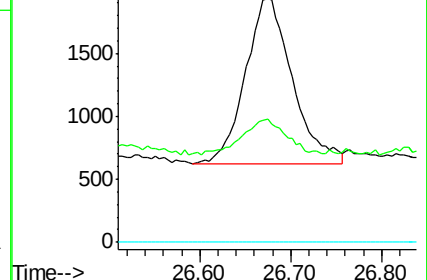
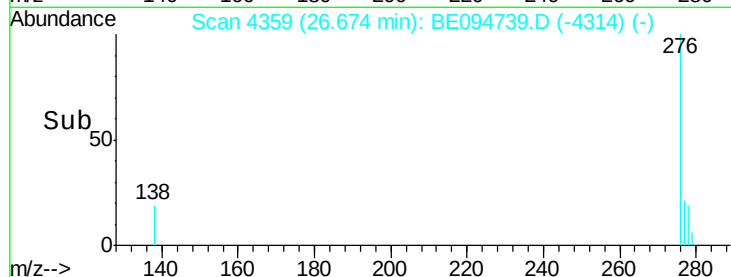
227 0.0 8.0 12.0#



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: 0.05 ng/ul

RT: 26.67 min Scan# 4358

Delta R.T. 0.00 min

Lab File: BE094739.D

Acq: 4 Nov 2017 9:53

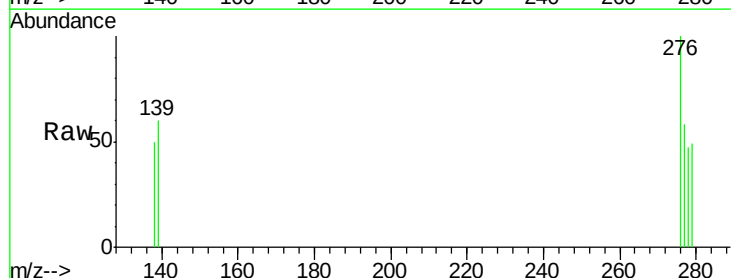
Tgt Ion:278 Resp: 1445

Ion Ratio Lower Upper

278 100

139 125.8 17.4 26.0#

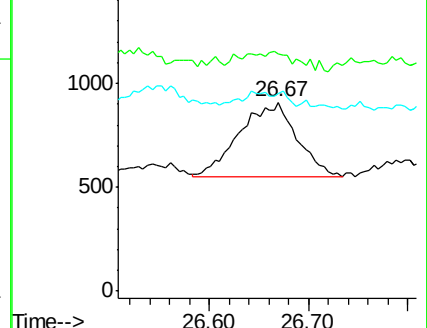
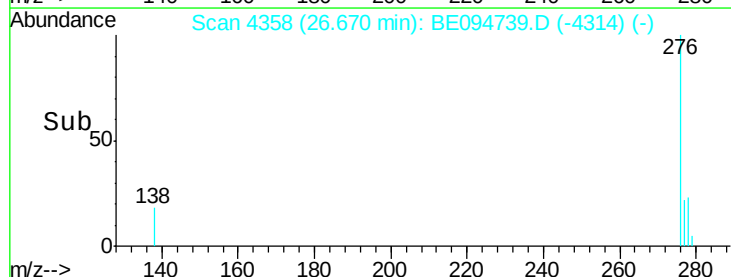
279 104.6 25.9 38.9#

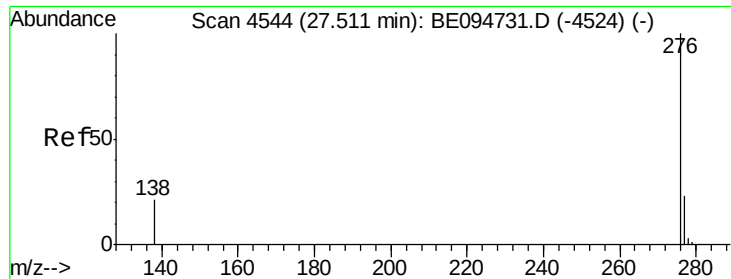


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.20 ng/ul

RT: 27.52 min Scan# 4544

Delta R.T. 0.01 min

Lab File: BE094739.D

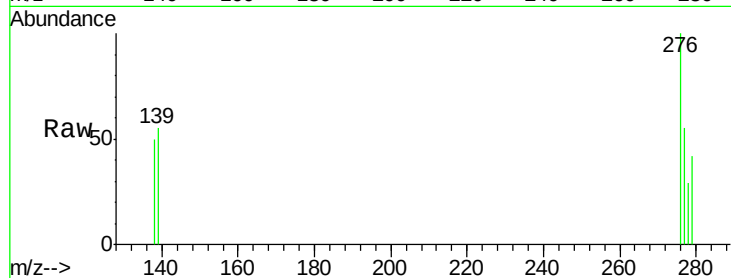
Acq: 4 Nov 2017 9:53

Instrument :

BNA_E

ClientSampleId :

B-15(0.25-1.25)-101717MS



Tot Ion: 276 Resp: 5622

Ion Ratio Lower Upper

276 100

138 50.0 21.8 32.8#

277 54.5 20.5 30.7#

