

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100717\
 Data File : BE094206.D
 Acq On : 7 Oct 2017 17:17
 Operator : SJ/JU
 Sample : I5449-02DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 07 23:53:01 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

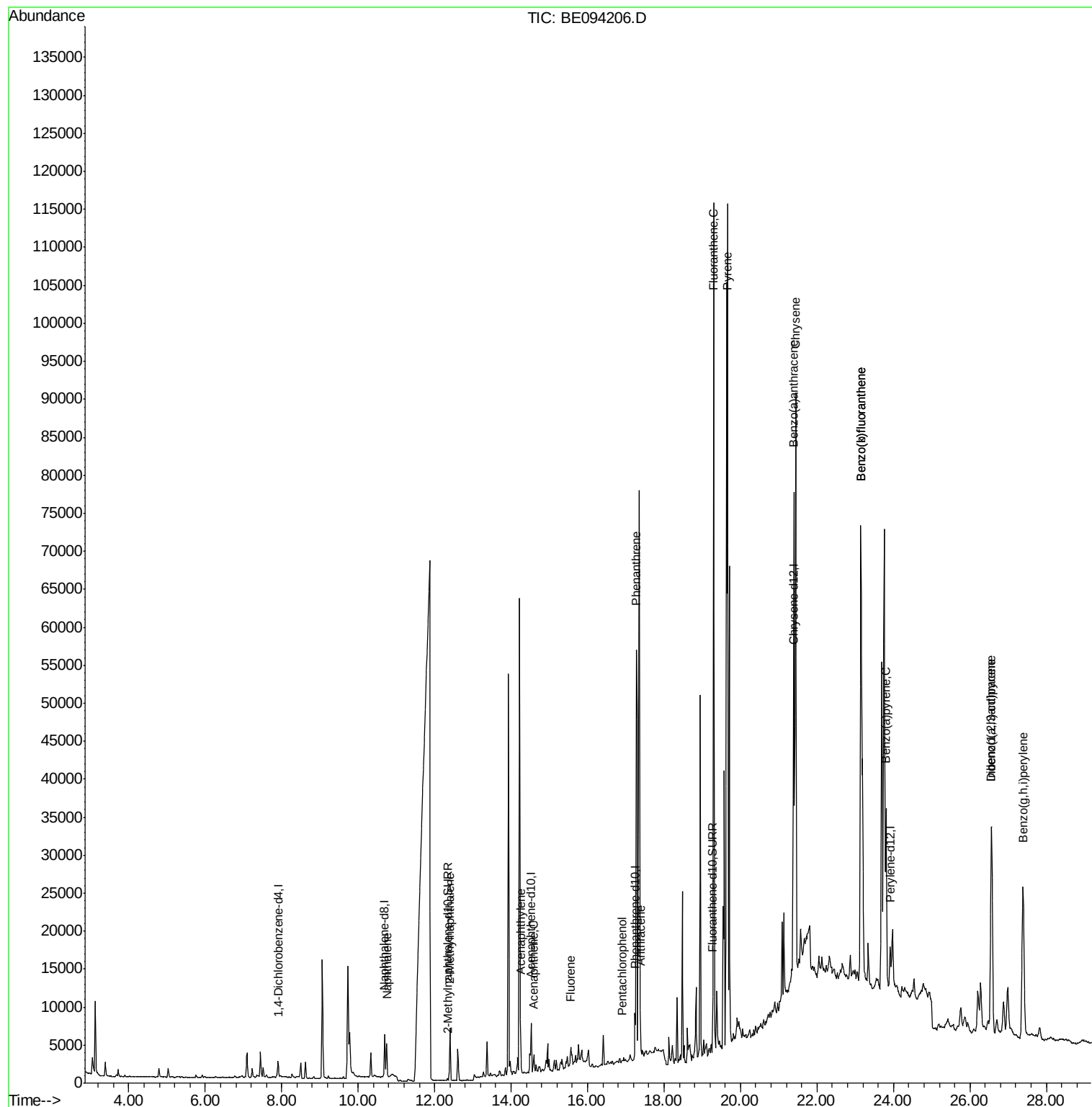
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1074	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6072	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3730	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	7806	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	11200	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	7814	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.34	152	495	0.05	ng/ul	0.05
14) Fluoranthene-d10	19.27	212	949	0.04	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	6933	0.466	ng/ul#	96
5) 2-Methylnaphthalene	12.40	142	5945	0.616	ng/ul	99
7) Acenaphthylene	14.25	152	2869	0.197	ng/ul#	82
8) Acenaphthene	14.59	153	1494	0.125	ng/ul#	91
9) Fluorene	15.56	166	1814	0.129	ng/ul#	73
11) Pentachlorophenol	16.91	266	225	0.246	ng/ul#	50
12) Phenanthrene	17.27	178	80034	3.924	ng/ul#	85
13) Anthracene	17.38	178	8919	0.450	ng/ul	94
15) Fluoranthene	19.30	202	126404	4.716	ng/ul	84
17) Pyrene	19.66	202	120751	3.875	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	57942	1.950	ng/ul#	86
19) Chrysene	21.44	228	89244	2.601	ng/ul	93
21) Benzo(b)fluoranthene	23.15	252	146249	6.890	ng/ul	86
22) Benzo(k)fluoranthene	23.15	252	146249	5.961	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	38367	1.739	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	26.56	276	50174	2.224	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.56	278	13819	0.730	ng/ul#	53
26) Benzo(g,h,i)perylene	27.38	276	49429	2.540	ng/ul	95

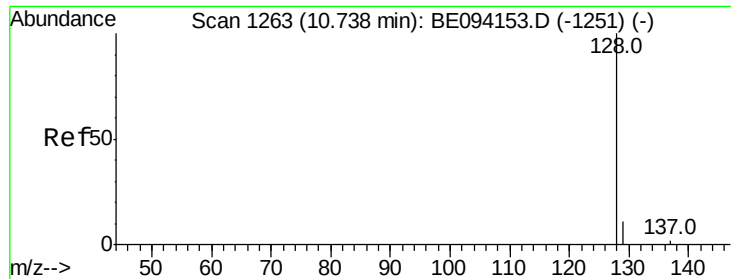
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.466 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

Instrument :

BNA_E

ClientSampleId :

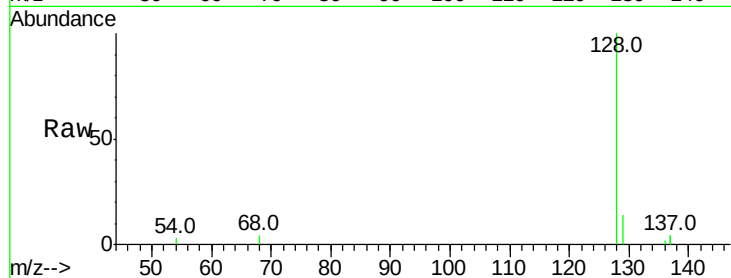
Tot Ion:128 Resp: 6933

Ion Ratio Lower Upper

128 100

129 14.3 11.3 16.9

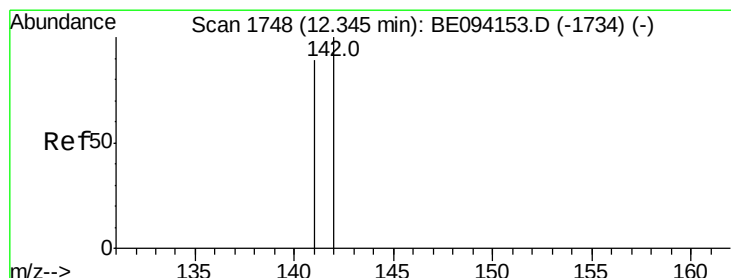
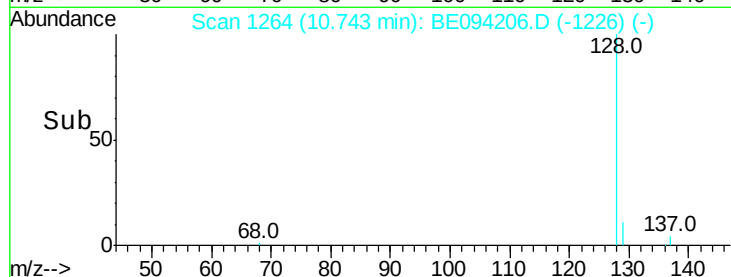
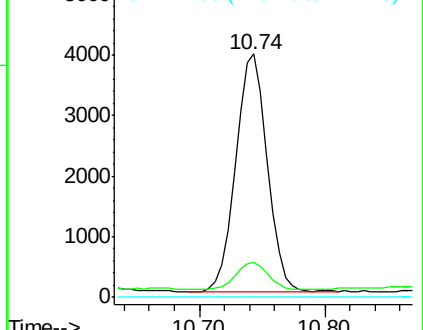
127 0.0 4.0 6.0#



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: 0.616 ng/ul

RT: 12.40 min Scan# 1766

Delta R.T. 0.04 min

Lab File: BE094206.D

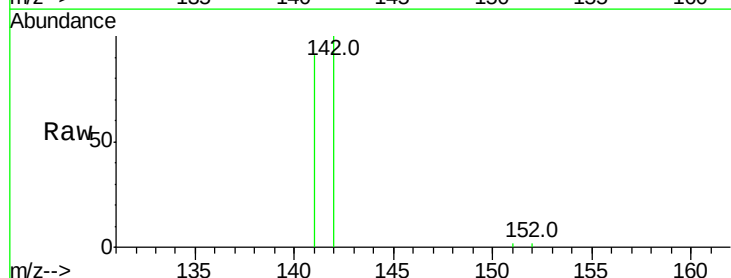
Acq: 7 Oct 2017 17:17

Tgt Ion:142 Resp: 5945

Ion Ratio Lower Upper

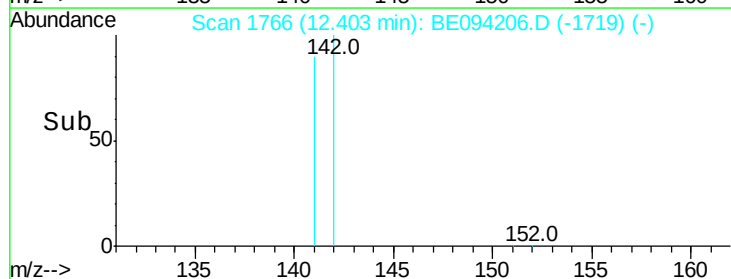
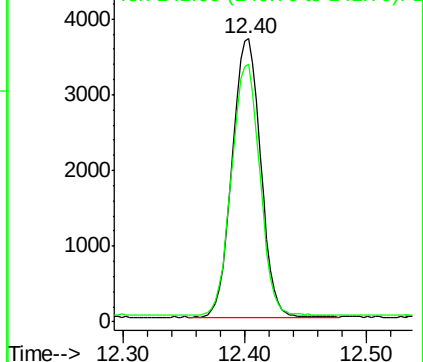
142 100

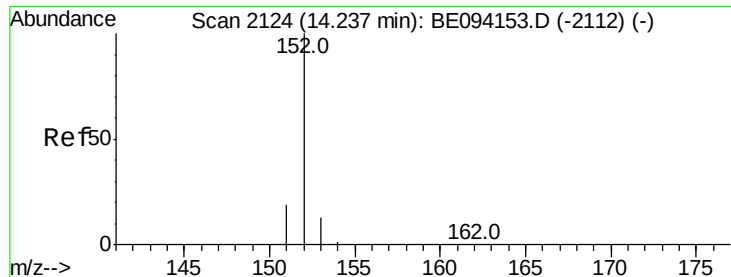
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.197 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. -0.00 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

Instrument :

BNA_E

ClientSampleId :

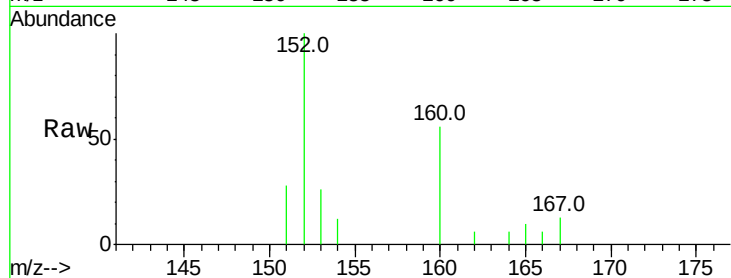
Tot Ion:152 Resp: 2869

Ion Ratio Lower Upper

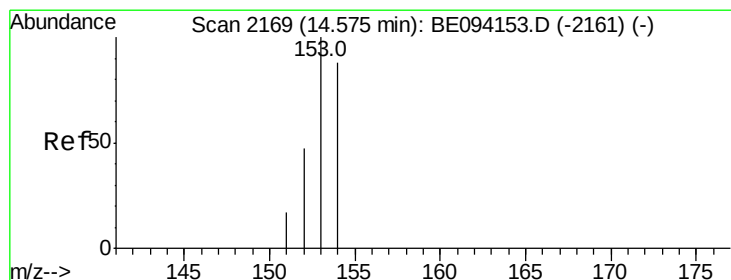
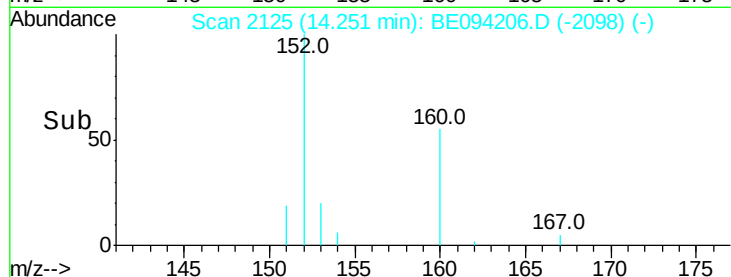
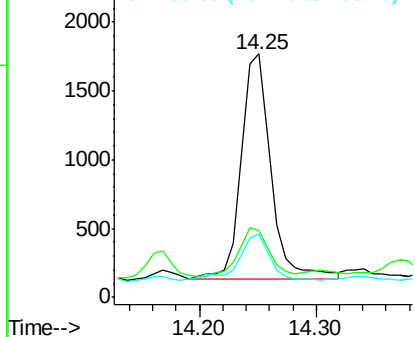
152 100

151 27.7 17.1 25.7#

153 26.0 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: 0.125 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

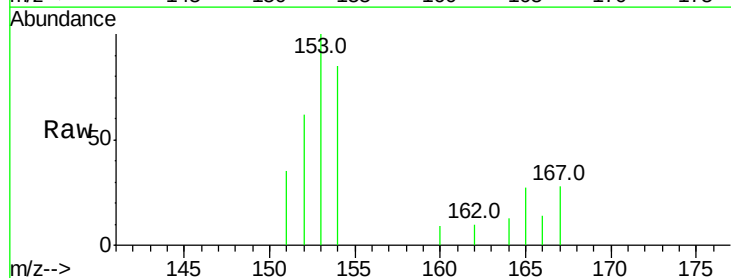
Tgt Ion:153 Resp: 1494

Ion Ratio Lower Upper

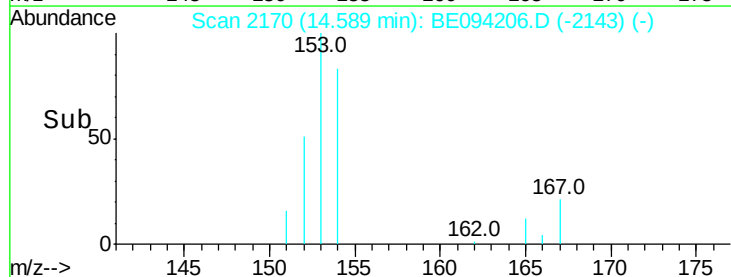
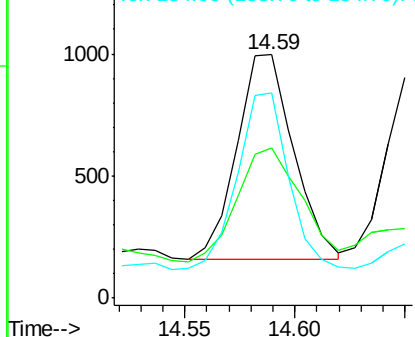
153 100

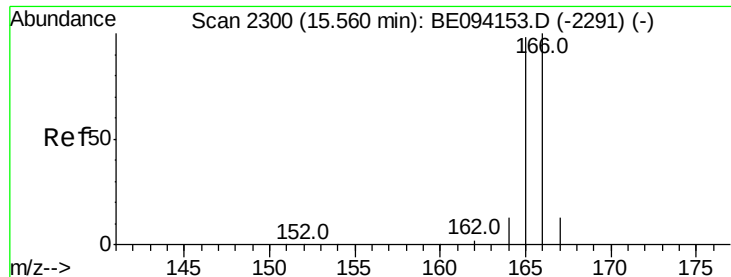
152 61.7 40.3 60.5#

154 84.6 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: 0.129 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

Instrument :

BNA_E

ClientSampleId :

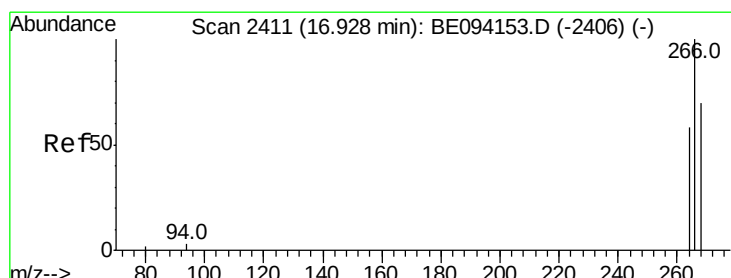
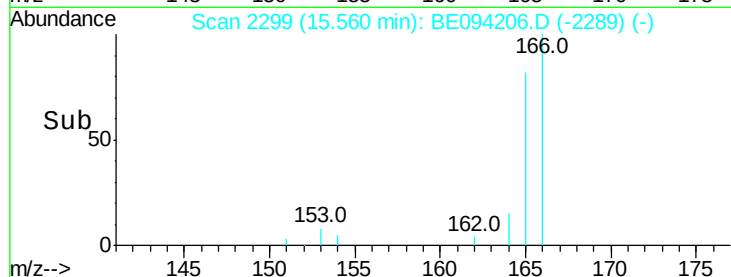
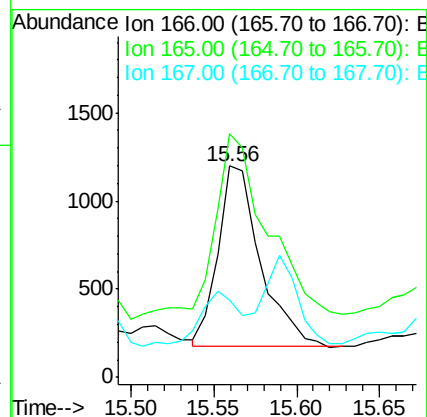
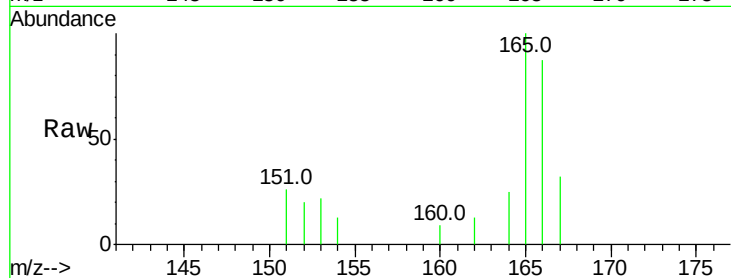
Tot Ion:166 Resp: 1814

Ion Ratio Lower Upper

166 100

165 115.4 73.4 110.2#

167 36.7 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.246 ng/ul

RT: 16.91 min Scan# 2409

Delta R.T. -0.03 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

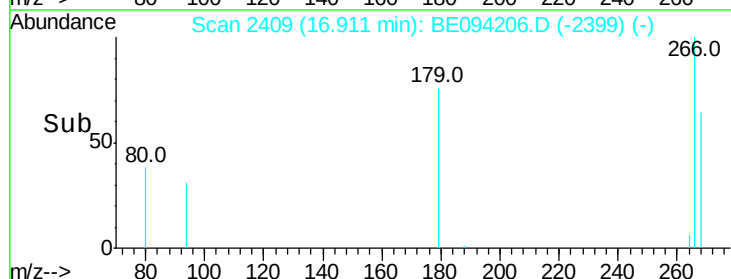
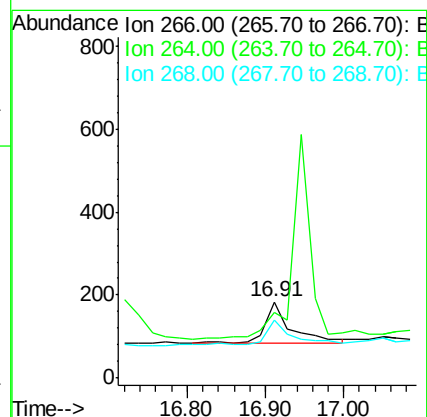
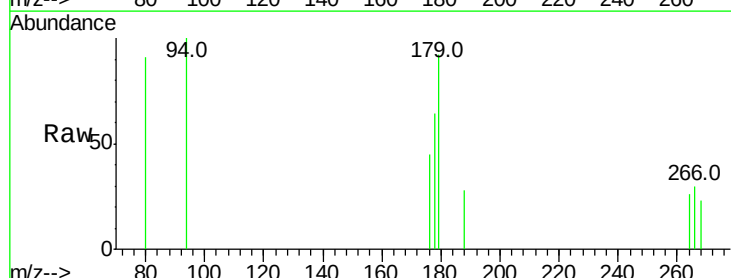
Tgt Ion:266 Resp: 225

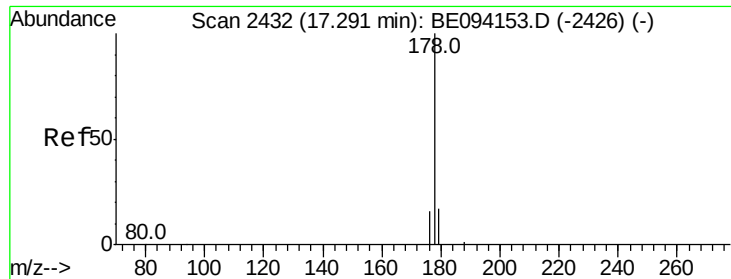
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 79.6 49.8 74.8#





#12

Phenanthrene

Concen: 3.924 ng/ul

RT: 17.27 min Scan# 2430

Delta R.T. -0.03 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

Instrument :

BNA_E

ClientSampleId :

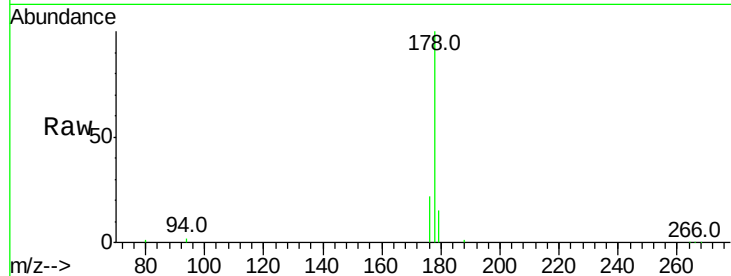
Tot Ion:178 Resp: 80034

Ion Ratio Lower Upper

178 100

179 14.5 18.4 27.6#

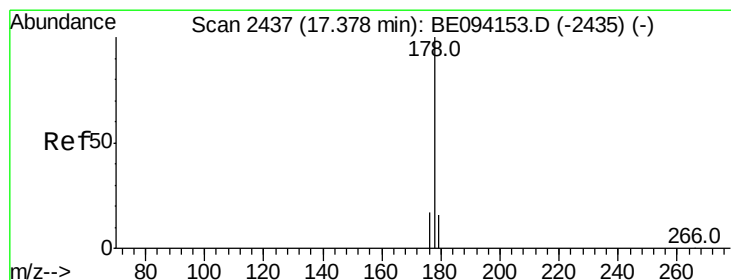
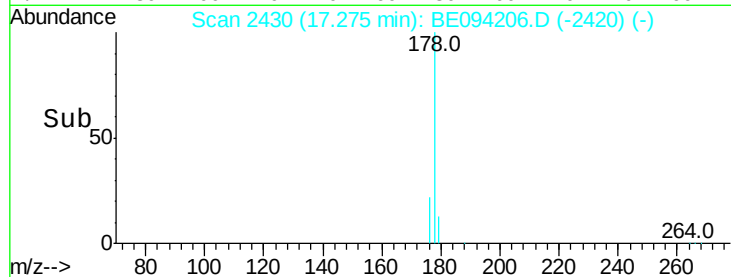
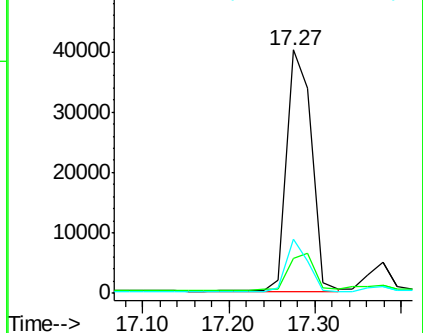
176 22.4 13.6 20.4#



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: 0.450 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

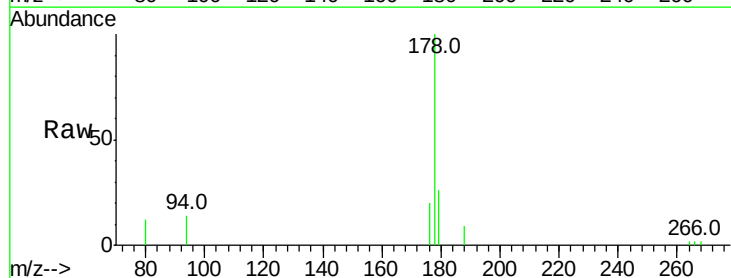
Tgt Ion:178 Resp: 8919

Ion Ratio Lower Upper

178 100

179 26.4 18.1 27.1

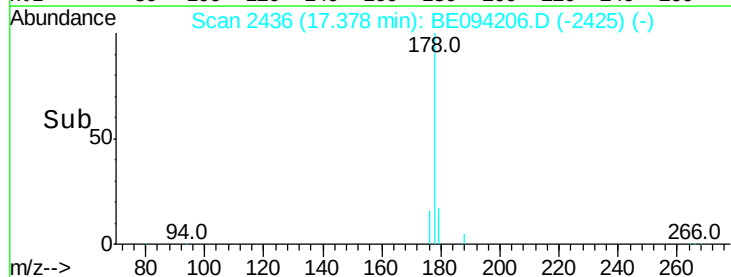
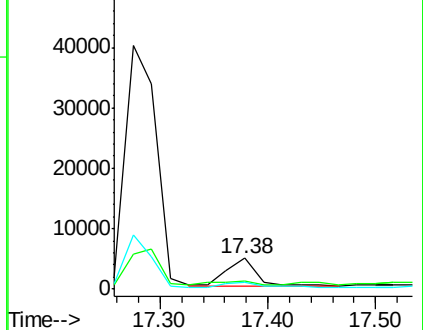
176 20.5 14.7 22.1

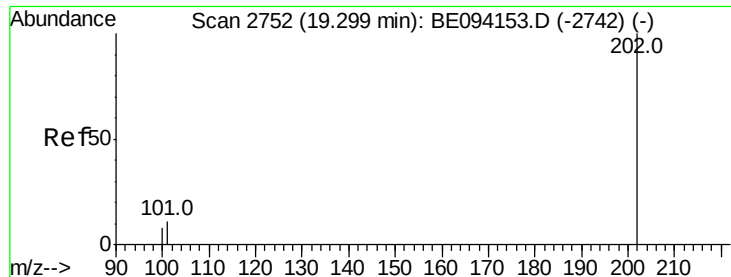


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

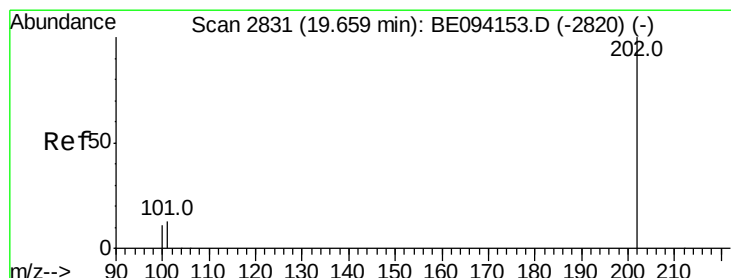
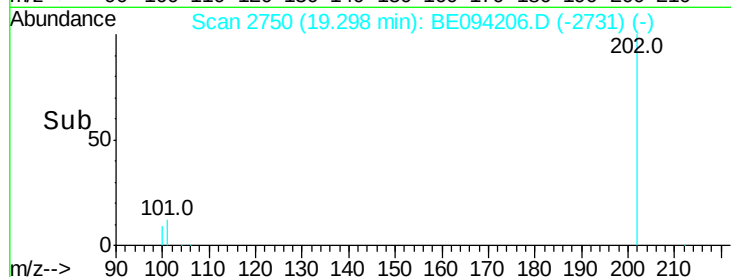
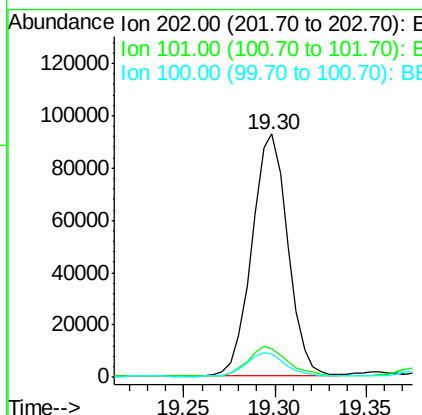
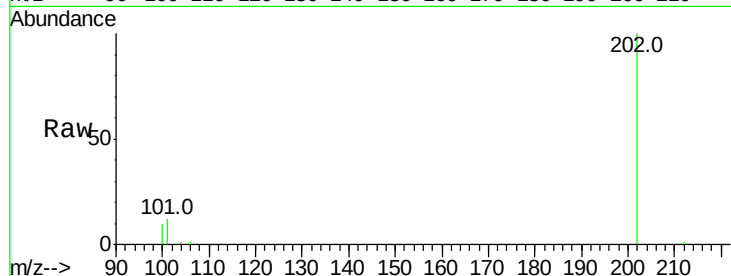




#15
Fluoranthene
 Concen: 4.716 ng/ul
 RT: 19.30 min Scan# 2750
 Delta R.T. -0.01 min
 Lab File: BE094206.D
 Acq: 7 Oct 2017 17:17

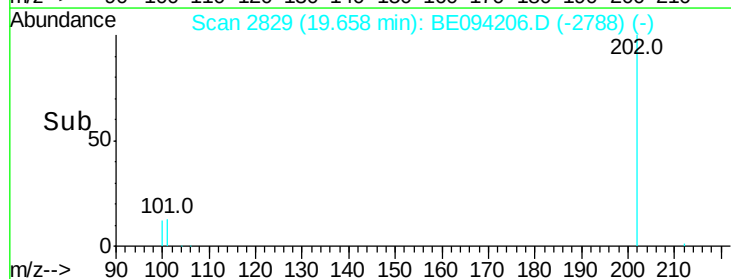
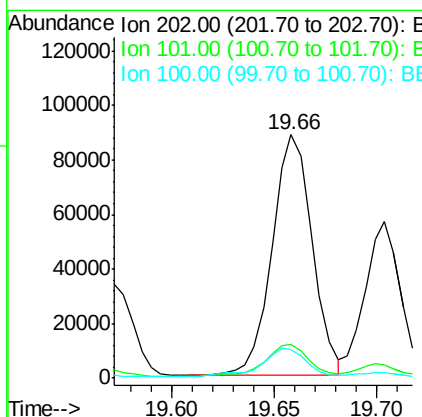
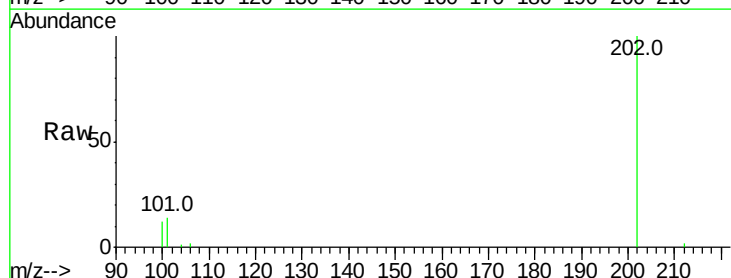
Instrument :
 BNA_E
 ClientSampleId :

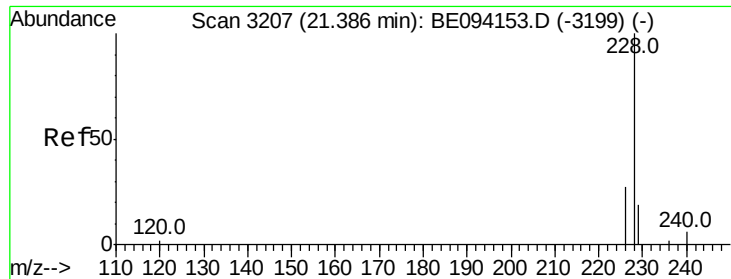
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	30.3
100	9.6	0.0	39.5



#17
Pyrene
 Concen: 3.875 ng/ul
 RT: 19.66 min Scan# 2829
 Delta R.T. -0.01 min
 Lab File: BE094206.D
 Acq: 7 Oct 2017 17:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	18.2	27.4#
100	12.0	15.6	23.4#

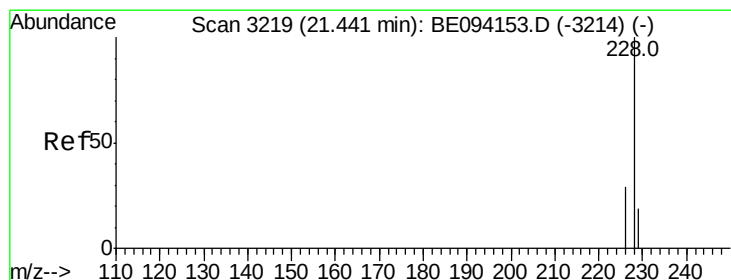
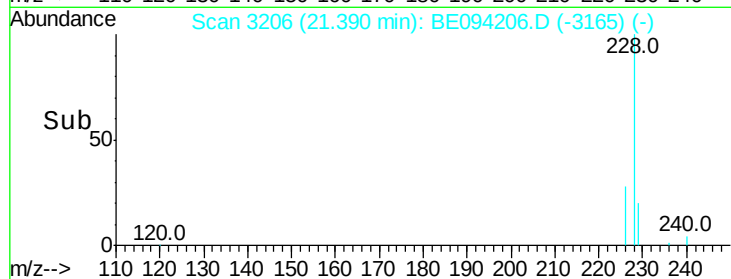
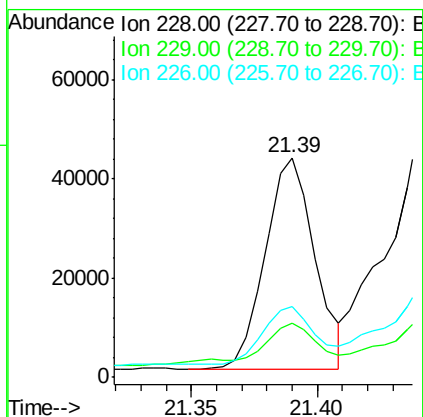
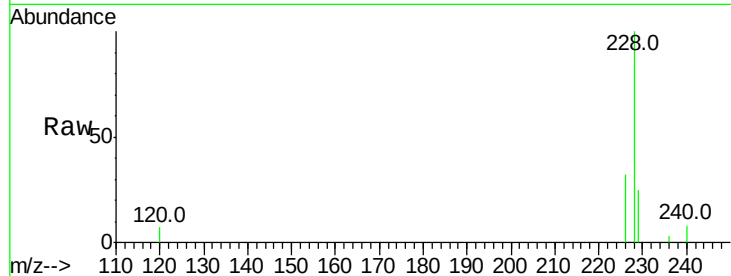




#18
Benzo(a)anthracene
Concen: 1.950 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BE094206.D
Acq: 7 Oct 2017 17:17

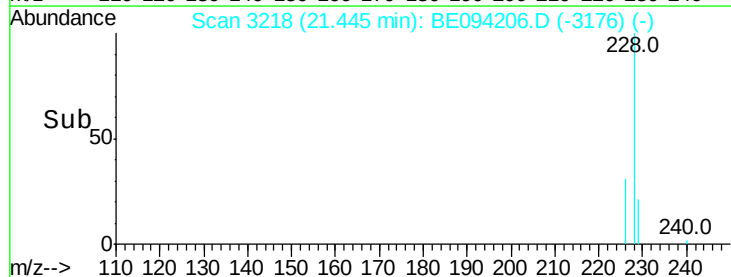
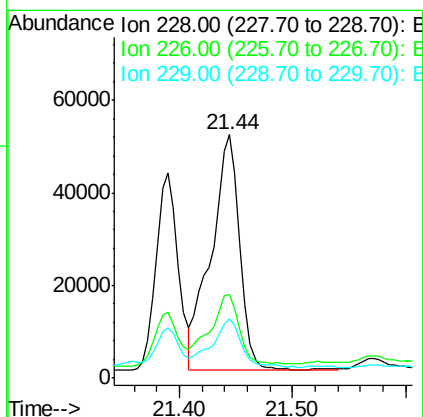
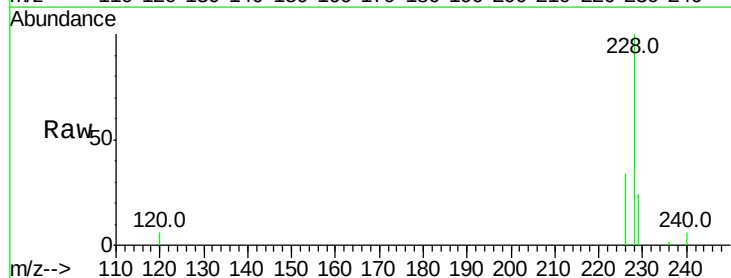
Instrument :
BNA_E
ClientSampleId :

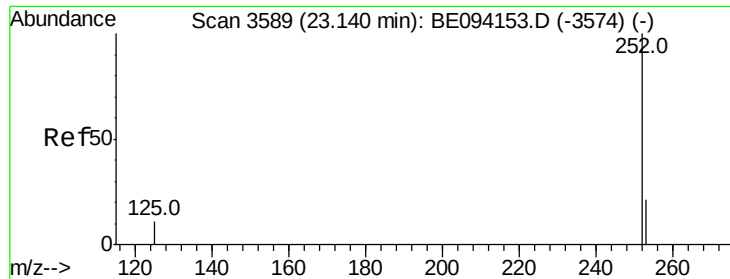
Tot Ion:228 Resp: 57942
Ion Ratio Lower Upper
228 100
229 24.6 22.8 34.2
226 32.1 17.0 25.6#



#19
Chrysene
Concen: 2.601 ng/ul
RT: 21.44 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BE094206.D
Acq: 7 Oct 2017 17:17

Tgt Ion:228 Resp: 89244
Ion Ratio Lower Upper
228 100
226 34.3 23.4 35.0
229 24.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 6.890 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

Instrument :

BNA_E

ClientSampleId :

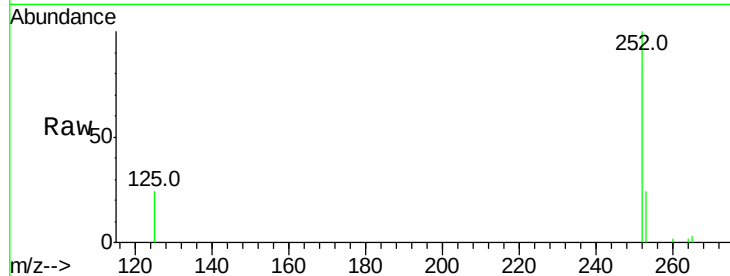
Tot Ion:252 Resp: 146249

Ion Ratio Lower Upper

252 100

253 24.4 0.0 64.2

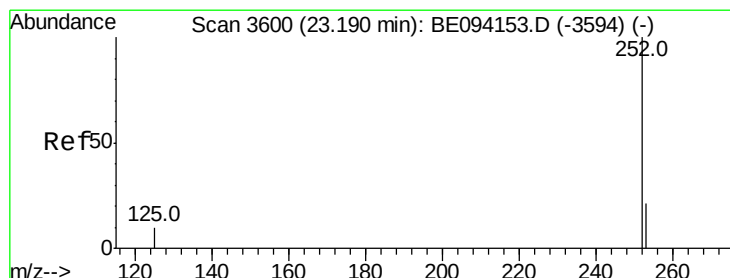
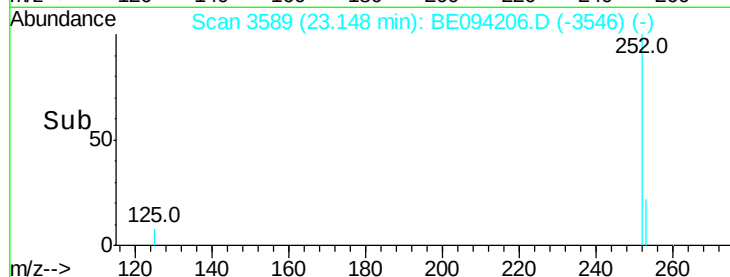
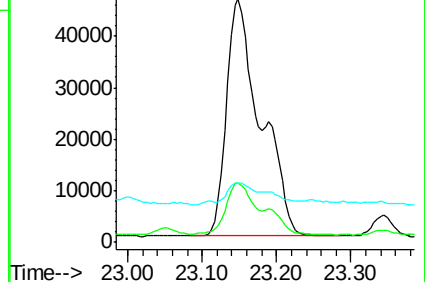
125 24.3 0.0 35.0



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: 5.961 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

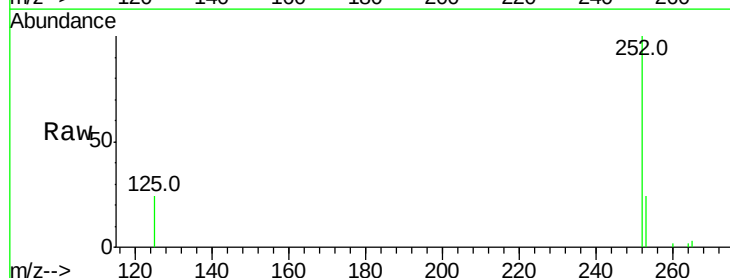
Tgt Ion:252 Resp: 146249

Ion Ratio Lower Upper

252 100

253 24.4 24.5 36.7#

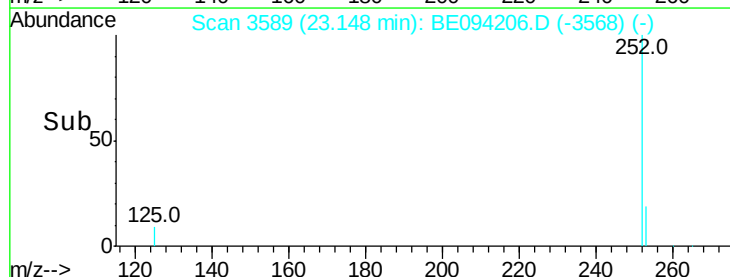
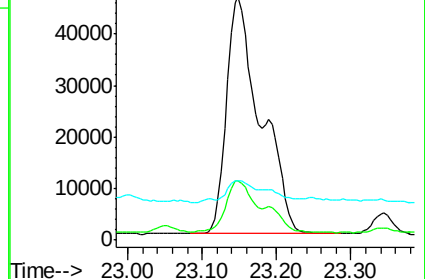
125 24.3 13.7 20.5#

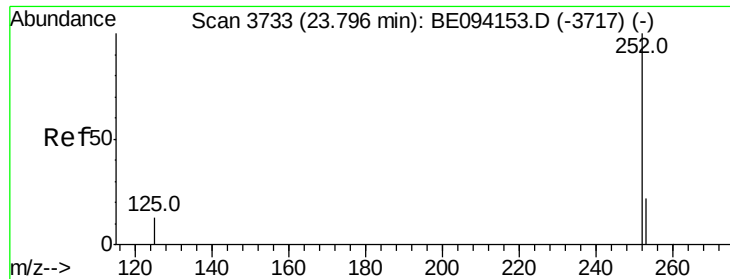


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.739 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

Instrument :

BNA_E

ClientSampleId :

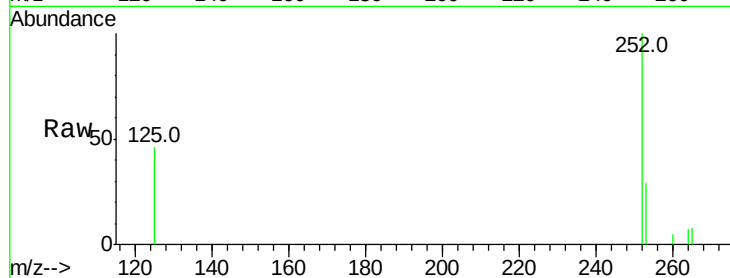
Tot Ion:252 Resp: 38367

Ion Ratio Lower Upper

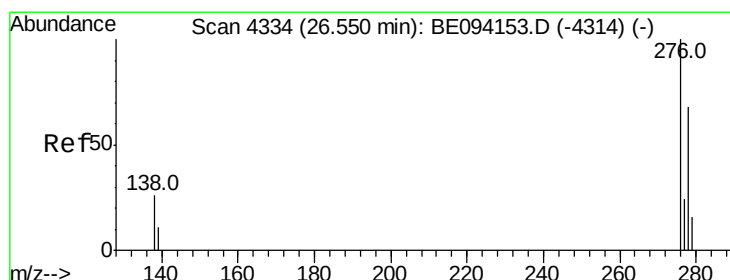
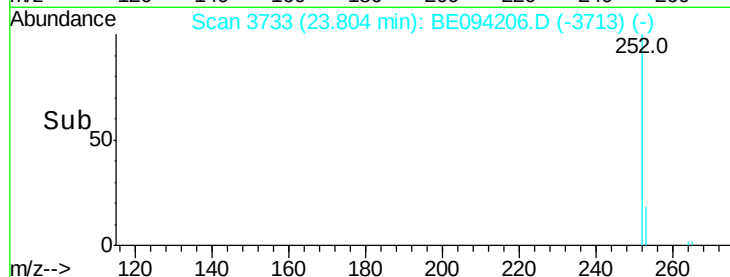
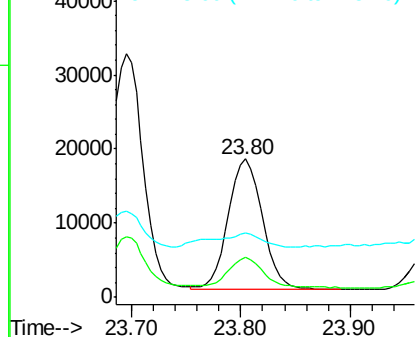
252 100

253 28.7 28.5 42.7

125 46.4 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: 2.224 ng/ul

RT: 26.56 min Scan# 4334

Delta R.T. -0.02 min

Lab File: BE094206.D

Acq: 7 Oct 2017 17:17

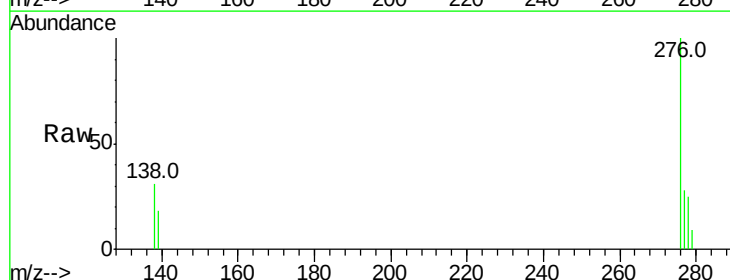
Tgt Ion:276 Resp: 50174

Ion Ratio Lower Upper

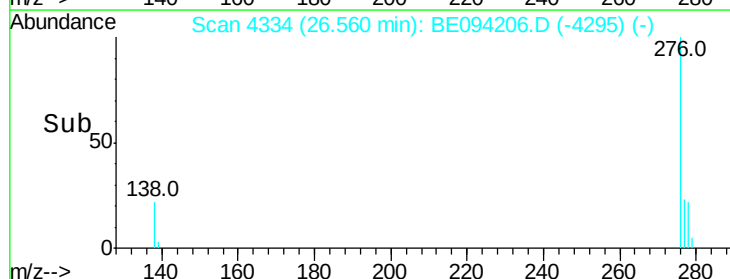
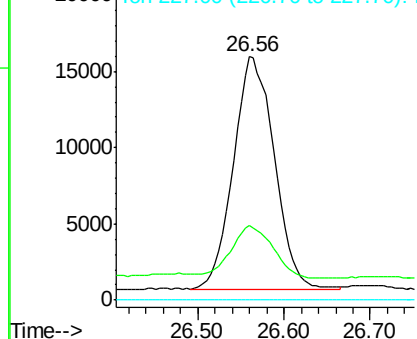
276 100

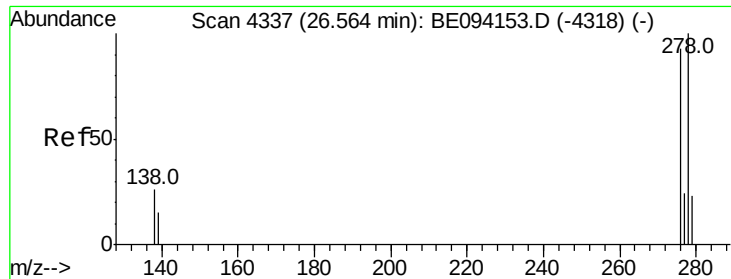
138 22.7 28.0 42.0#

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

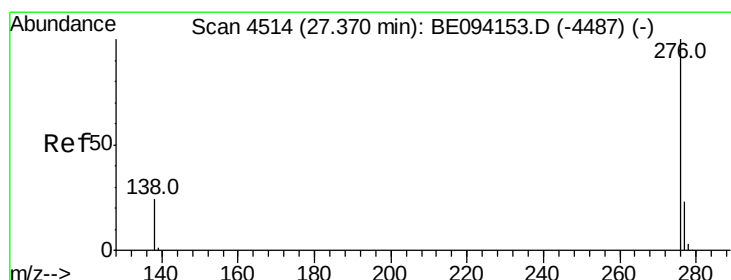
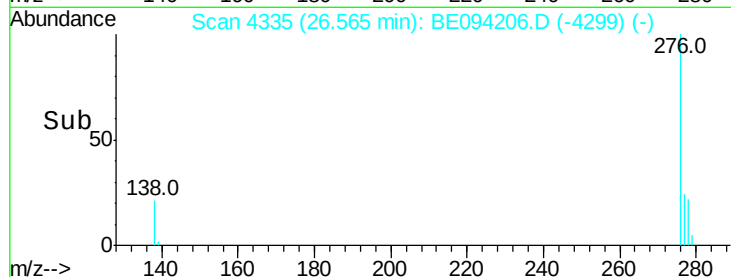
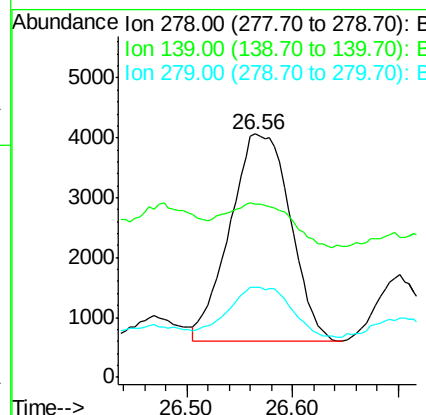
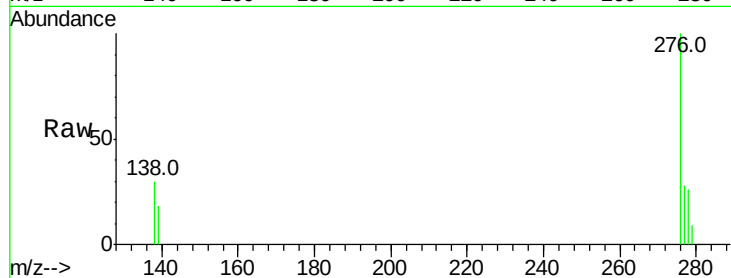




#25
Dibenzo(a,h)anthracene
Concen: 0.730 ng/ul
RT: 26.56 min Scan# 4335
Delta R.T. -0.04 min
Lab File: BE094206.D
Acq: 7 Oct 2017 17:17

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 13819
Ion Ratio Lower Upper
278 100
139 71.2 17.4 26.0#
279 37.2 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 2.540 ng/ul
RT: 27.38 min Scan# 4515
Delta R.T. -0.01 min
Lab File: BE094206.D
Acq: 7 Oct 2017 17:17

Tgt Ion:276 Resp: 49429
Ion Ratio Lower Upper
276 100
138 30.4 21.8 32.8
277 27.7 20.5 30.7

