

Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
 Data File : BE094668.D
 Acq On : 31 Oct 2017 21:17
 Operator : SJ/JU
 Sample : I5873-04RE 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 01 02:58:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 02:55:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1313	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7594	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	7519	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8830	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	8892	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	8873	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.24	152	1860	0.15	ng/ul	-0.04
14) Fluoranthene-d10	19.28	212	18898	0.72	ng/ul	-0.01

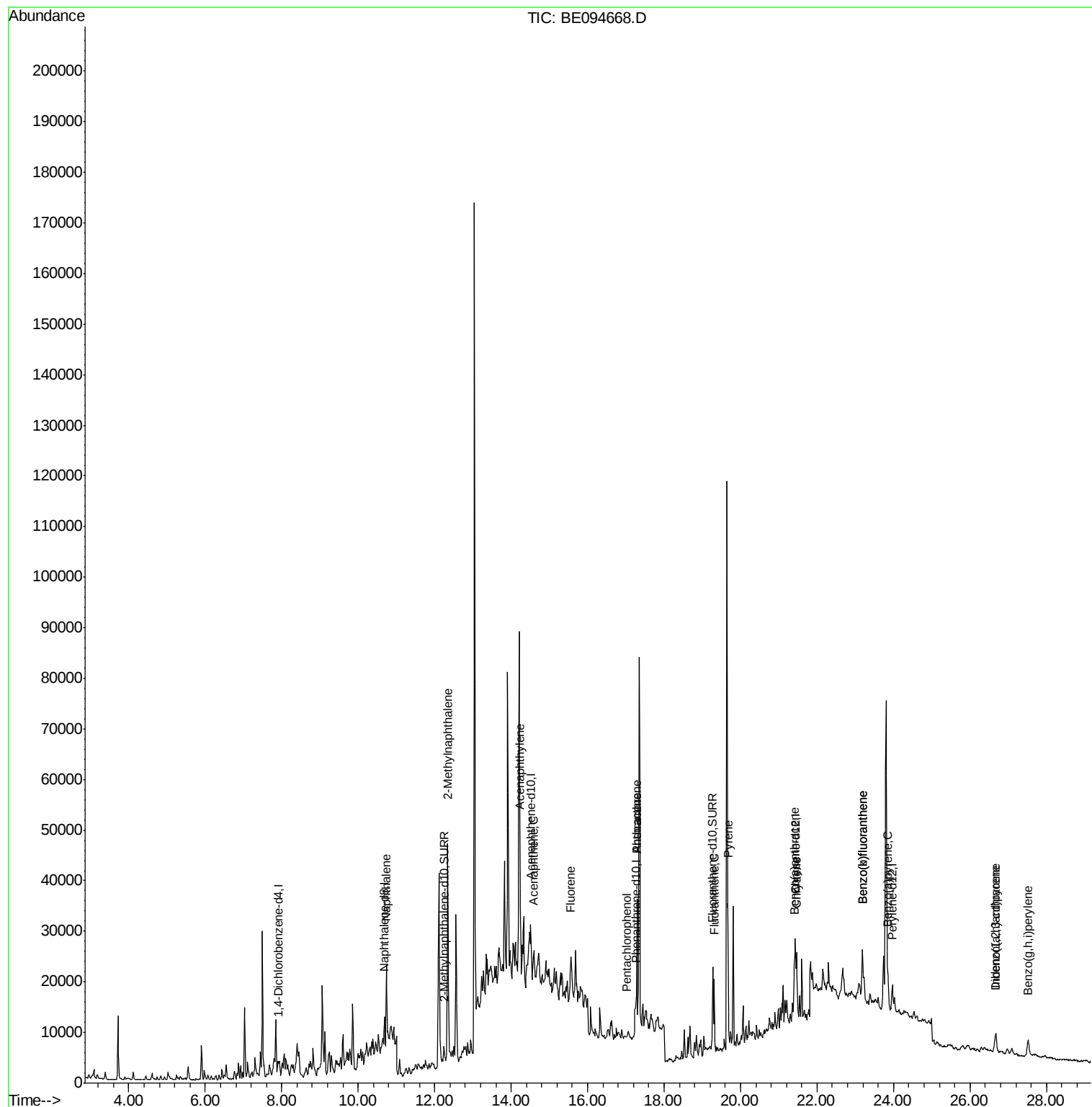
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	28491	1.53	ng/ul#	92
5) 2-Methylnaphthalene	12.34	142	34763	2.68	ng/ul	97
7) Acenaphthylene	14.24	152	7867	0.23	ng/ul#	1
8) Acenaphthene	14.59	153	3248	0.13	ng/ul#	32
9) Fluorene	15.57	166	6047	0.22	ng/ul#	55
11) Pentachlorophenol	17.03	266	120	0.27	ng/ul#	59
12) Phenanthrene	17.29	178	33629	1.44	ng/ul	94
13) Anthracene	17.29	178	30691	1.33	ng/ul	95
15) Fluoranthene	19.31	202	15897	0.59	ng/ul	83
17) Pyrene	19.67	202	32108	1.17	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	9177	0.36	ng/ul#	40
19) Chrysene	21.46	228	12532	0.48	ng/ul#	63
21) Benzo(b)fluoranthene	23.19	252	23871	0.96	ng/ul#	1
22) Benzo(k)fluoranthene	23.19	252	23779	0.89	ng/ul#	1
23) Benzo(a)pyrene	23.85	252	10083	0.40	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.68	276	8535	0.33	ng/ul#	84
25) Dibenzo(a,h)anthracene	26.66	278	2459	0.11	ng/ul#	1
26) Benzo(g,h,i)perylene	27.52	276	9449	0.46	ng/ul#	41

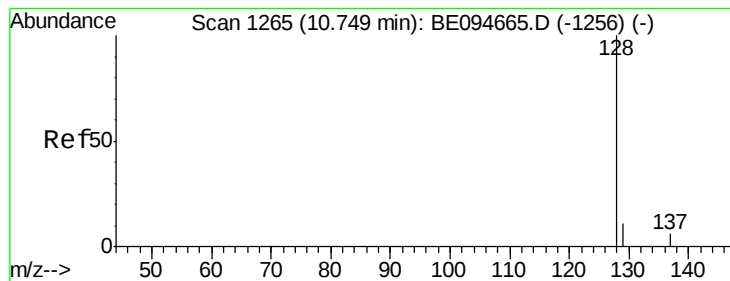
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.53 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

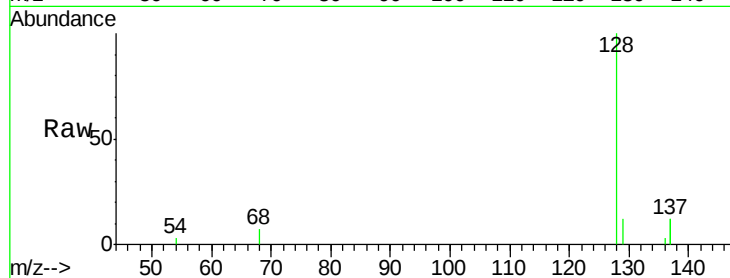
Tot Ion:128 Resp: 28491

Ion Ratio Lower Upper

128 100

129 12.1 11.3 16.9

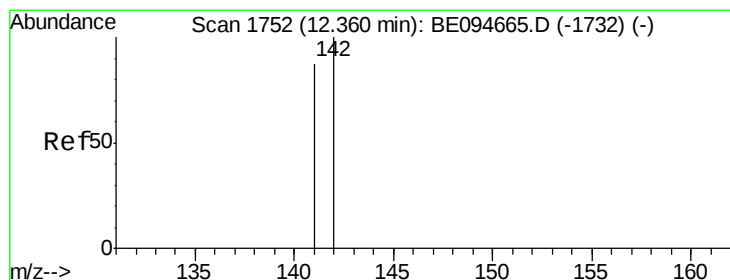
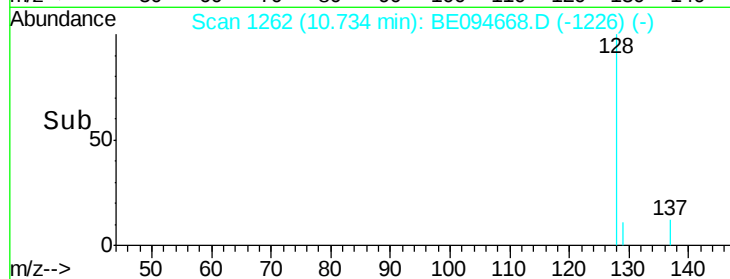
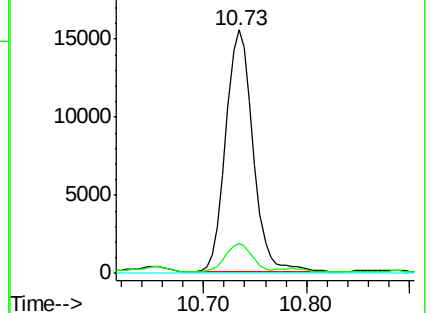
127 0.0 4.0 6.0#



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: 2.68 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094668.D

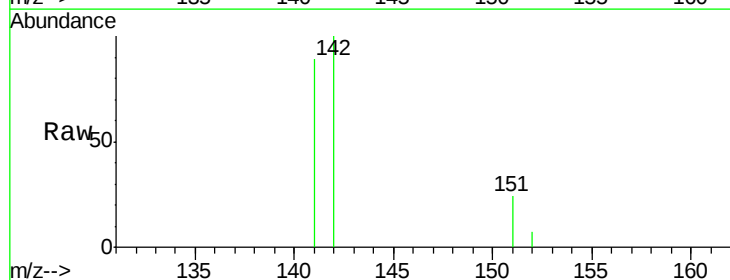
Acq: 31 Oct 2017 21:17

Tgt Ion:142 Resp: 34763

Ion Ratio Lower Upper

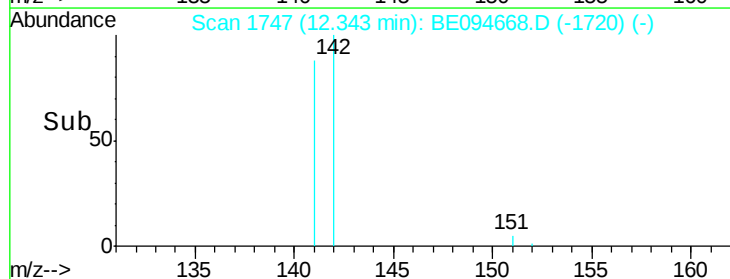
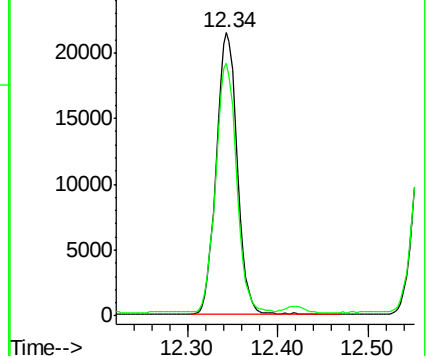
142 100

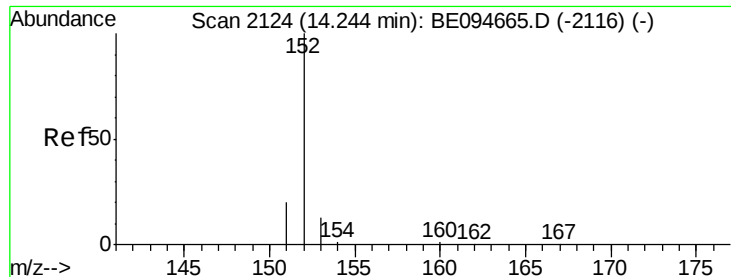
141 88.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.23 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

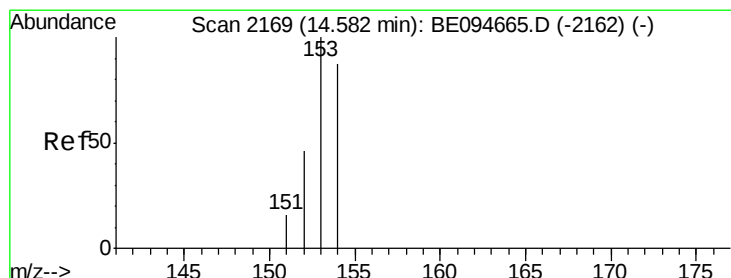
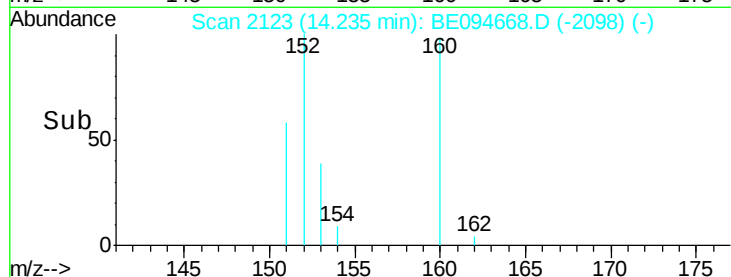
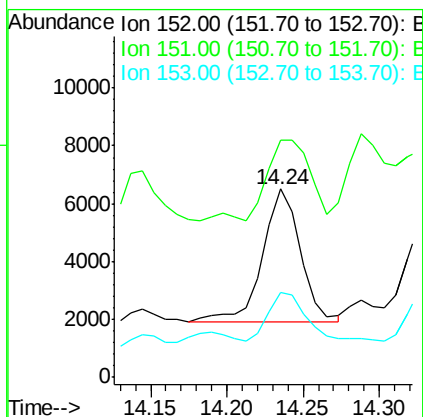
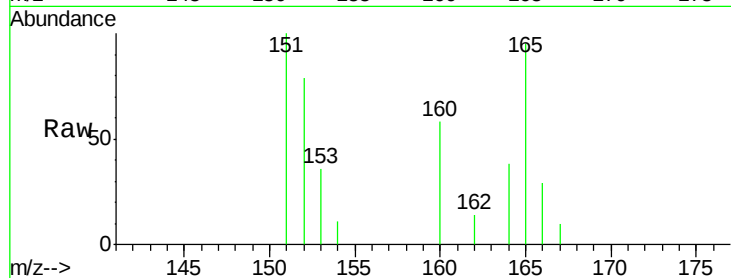
Tot Ion:152 Resp: 7867

Ion Ratio Lower Upper

152 100

151 125.9 17.1 25.7#

153 45.1 12.8 19.2#



#8

Acenaphthene

Concen: 0.13 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

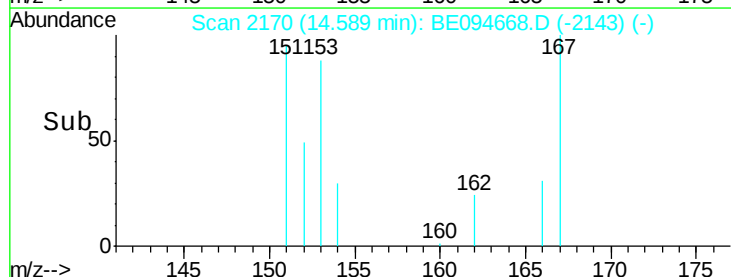
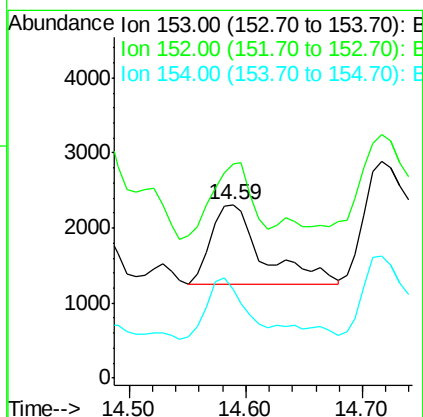
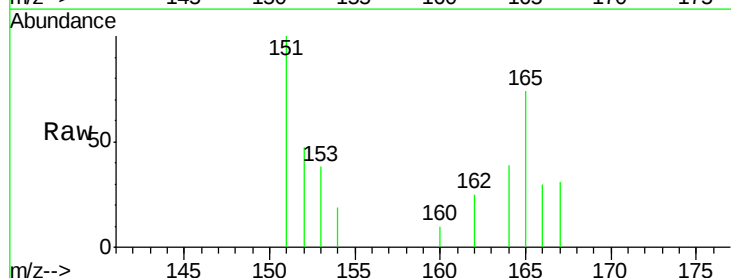
Tgt Ion:153 Resp: 3248

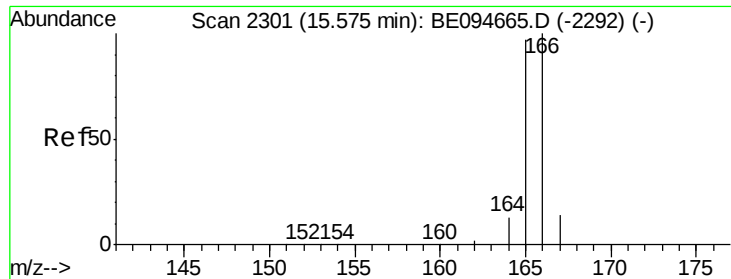
Ion Ratio Lower Upper

153 100

152 123.8 36.0 54.0#

154 51.0 72.0 108.0#





#9

Fluorene

Concen: 0.22 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

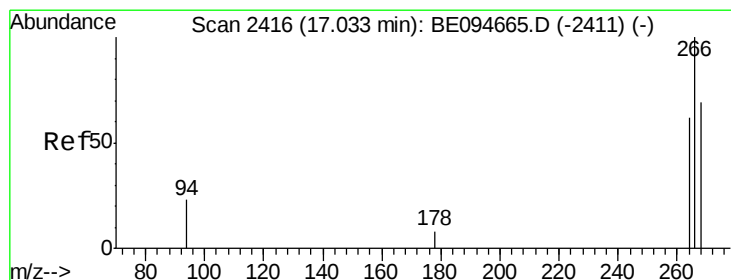
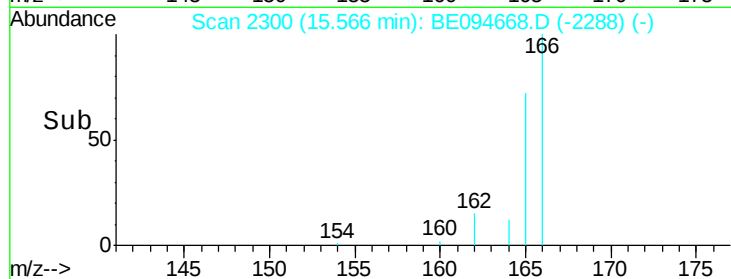
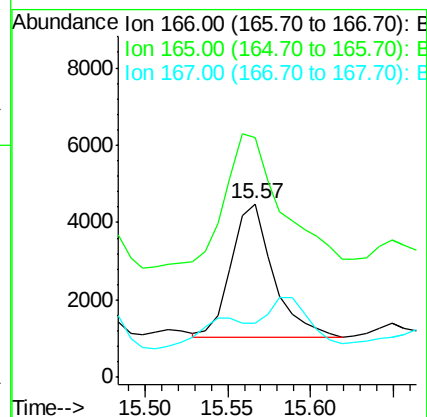
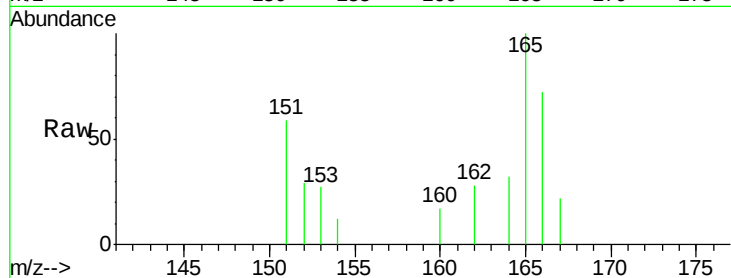
Tot Ion:166 Resp: 6047

Ion Ratio Lower Upper

166 100

165 138.0 73.4 110.2#

167 31.0 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.27 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

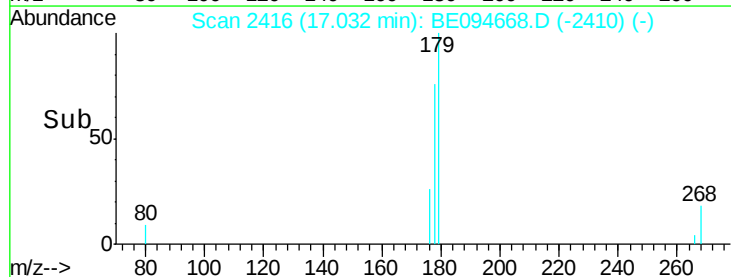
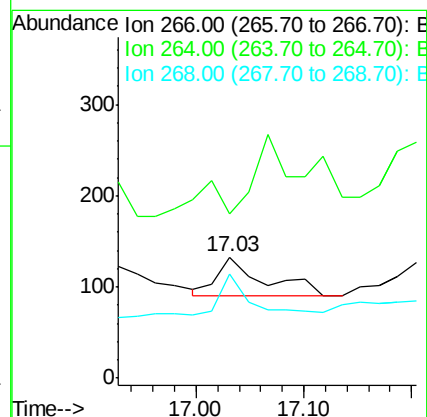
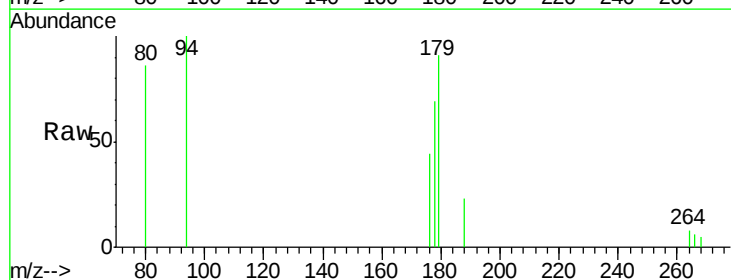
Tgt Ion:266 Resp: 120

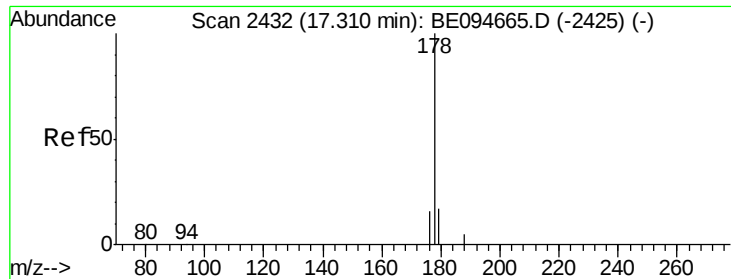
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 65.0 49.8 74.8





#12

Phenanthrene

Concen: 1.44 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

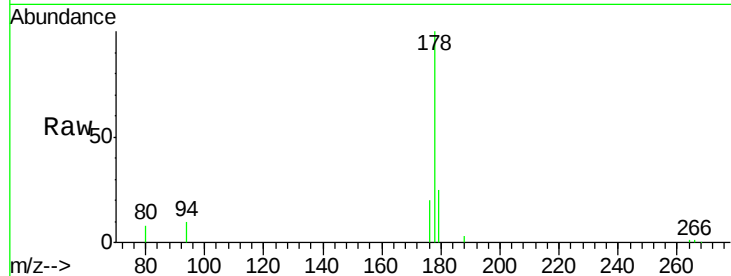
Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

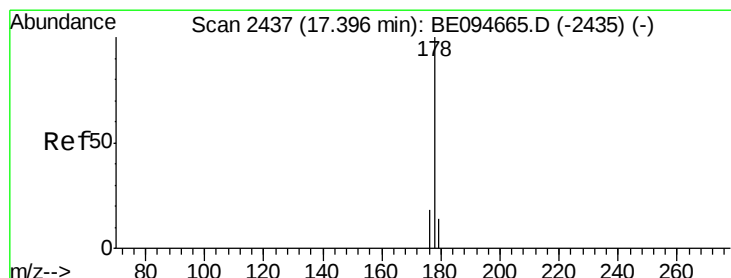
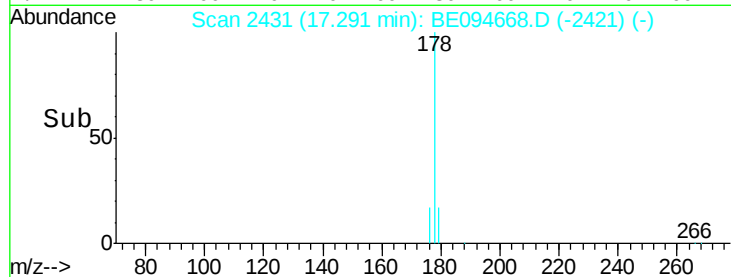
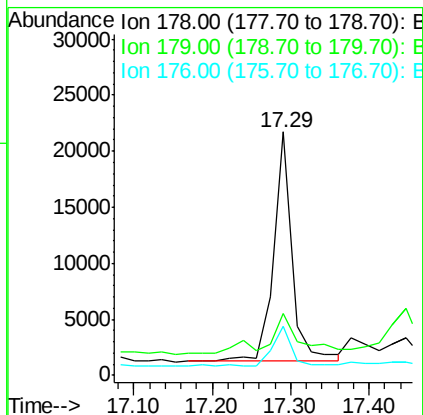
Instrument :

BNA_E

ClientSampled :



Tot Ion:178	Resp:	33629
Ion	Ratio	Lower Upper
178	100	
179	25.3	18.4 27.6
176	20.0	13.6 20.4



#13

Anthracene

Concen: 1.33 ng/ul

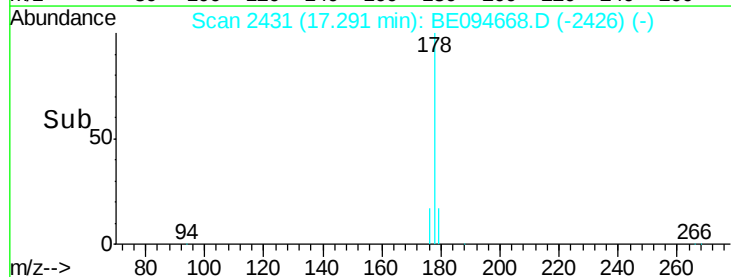
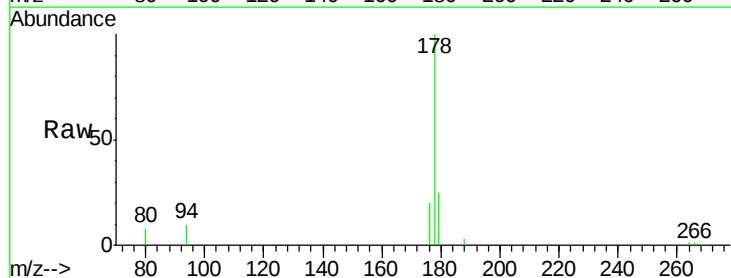
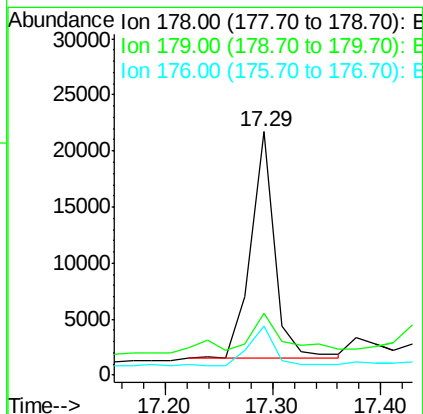
RT: 17.29 min Scan# 2431

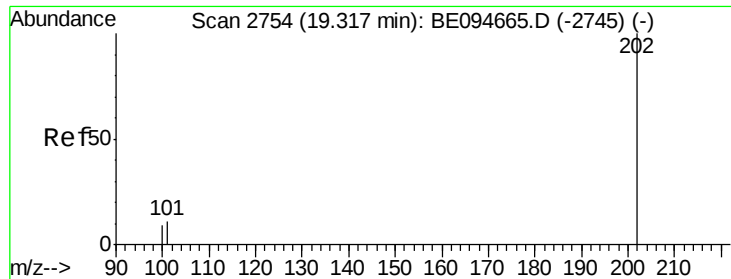
Delta R.T. -0.10 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Tgt Ion:178	Resp:	30691
Ion	Ratio	Lower Upper
178	100	
179	25.3	18.1 27.1
176	20.0	14.7 22.1

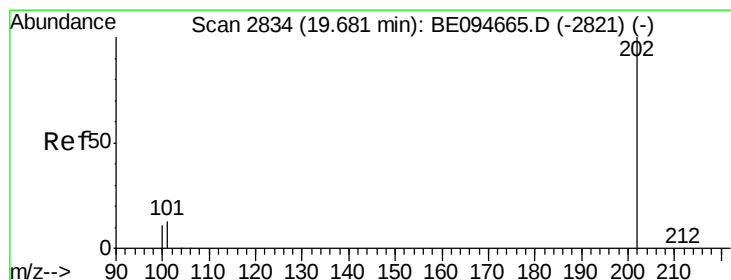
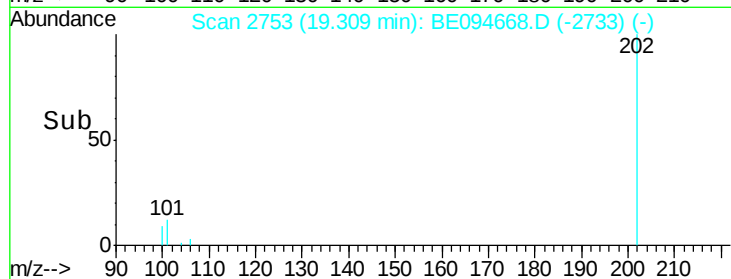
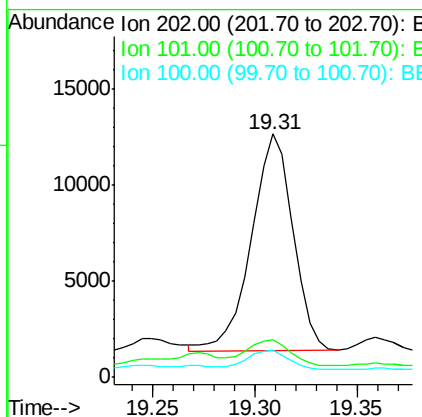
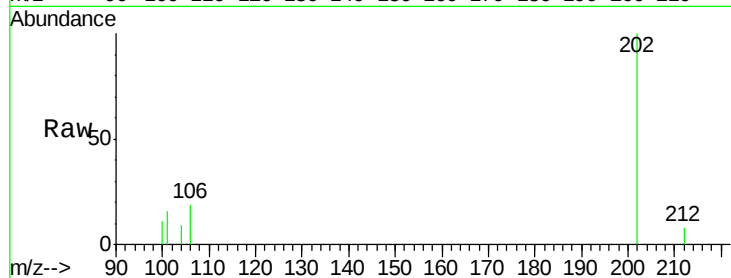




#15
Fluoranthene
Concen: 0.59 ng/ul
RT: 19.31 min Scan# 2753
Delta R.T. -0.01 min
Lab File: BE094668.D
Acq: 31 Oct 2017 21:17

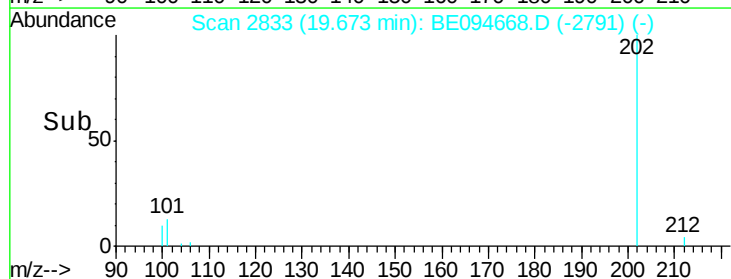
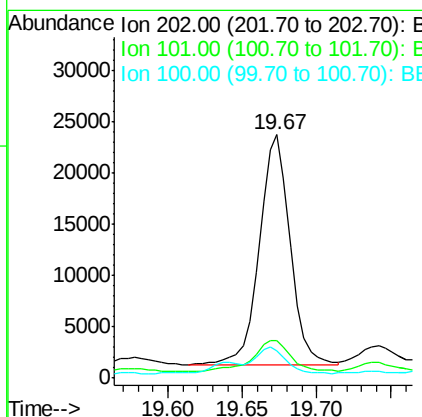
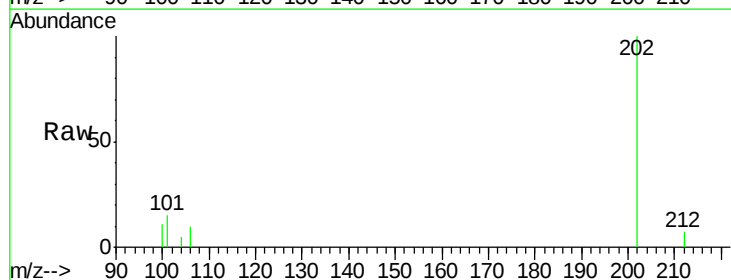
Instrument :
BNA_E
ClientSampleId :

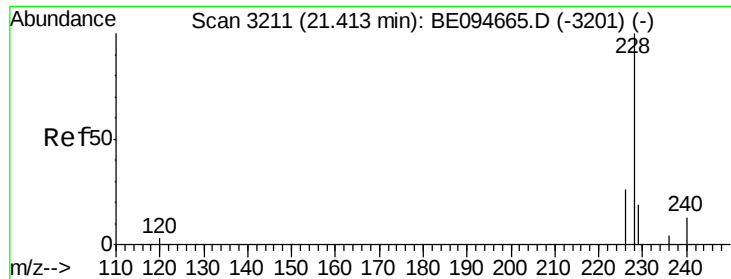
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	30.3
100	11.0	0.0	39.5



#17
Pyrene
Concen: 1.17 ng/ul
RT: 19.67 min Scan# 2833
Delta R.T. -0.01 min
Lab File: BE094668.D
Acq: 31 Oct 2017 21:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	18.2	27.4#
100	11.2	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.36 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

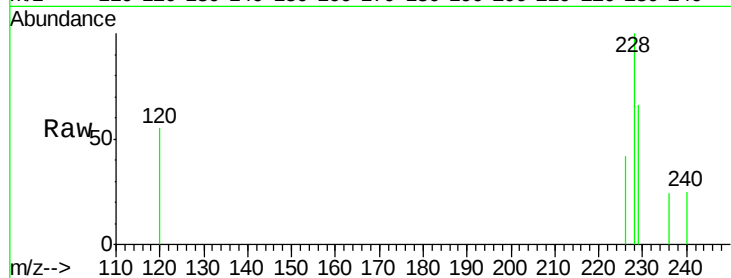
Tot Ion:228 Resp: 9177

Ion Ratio Lower Upper

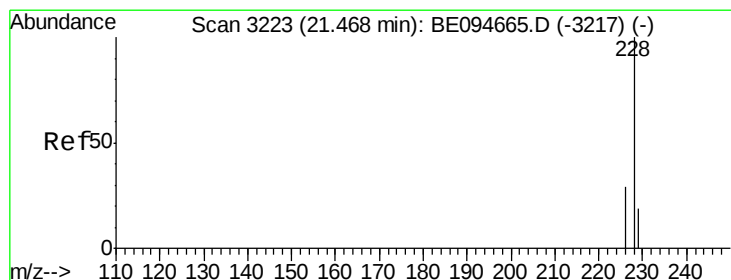
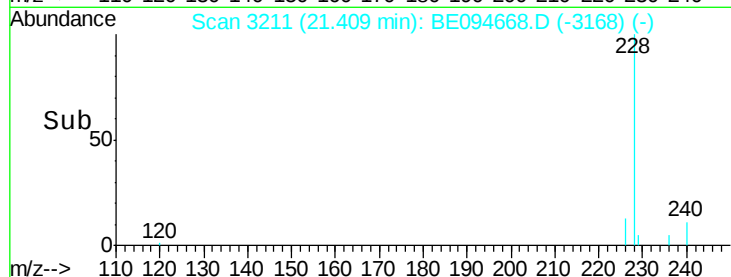
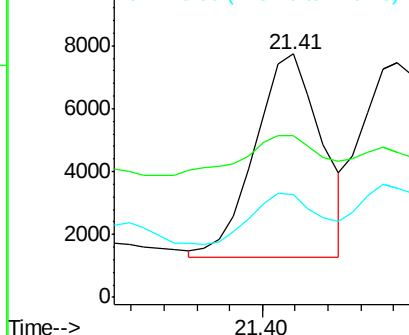
228 100

229 66.2 22.8 34.2#

226 42.2 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: 0.48 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

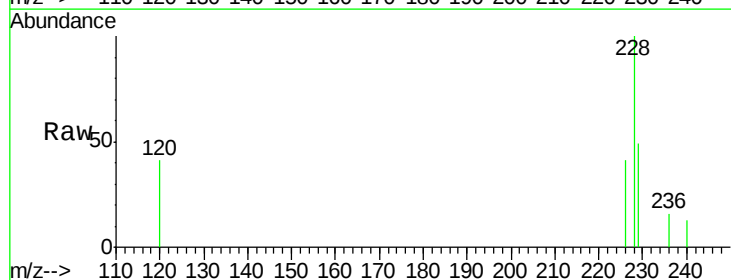
Tgt Ion:228 Resp: 12532

Ion Ratio Lower Upper

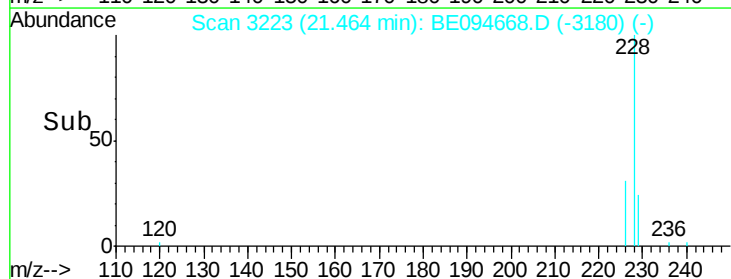
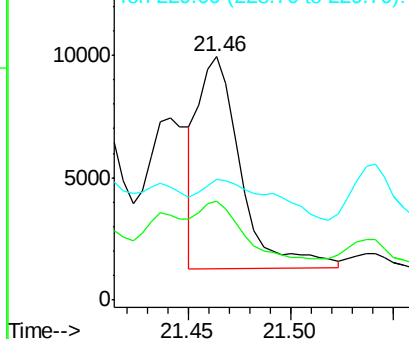
228 100

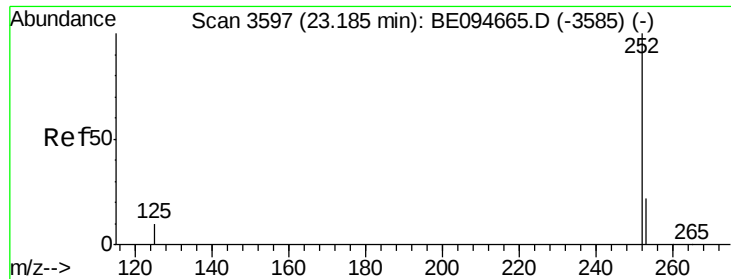
226 40.9 23.4 35.0#

229 49.4 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: 0.96 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

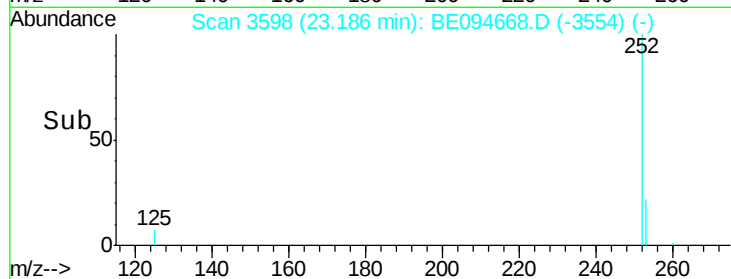
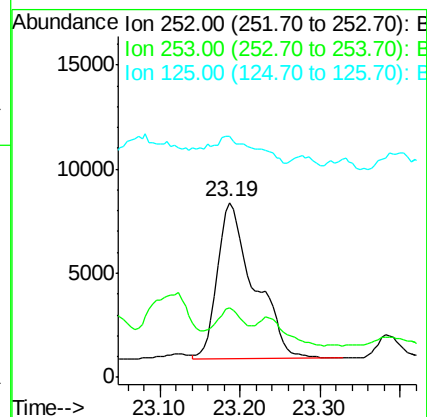
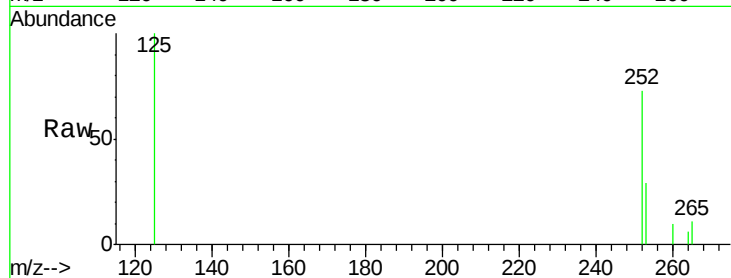
Tot Ion:252 Resp: 23871

Ion Ratio Lower Upper

252 100

253 39.6 0.0 64.2

125 137.7 0.0 35.0#



#22

Benzo(k)fluoranthene

Concen: 0.89 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.05 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

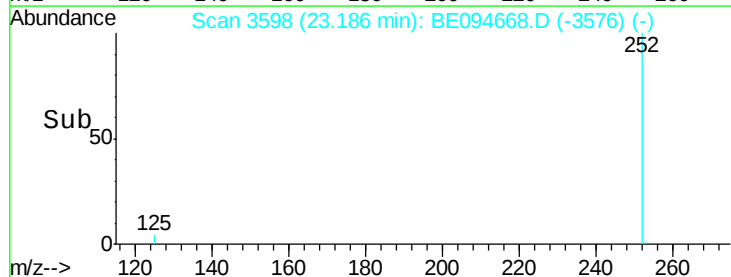
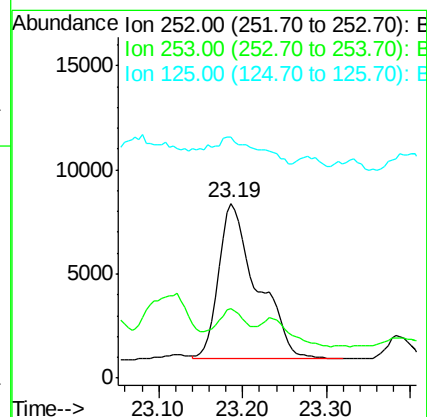
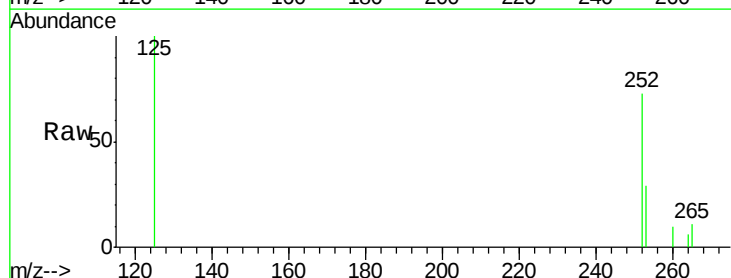
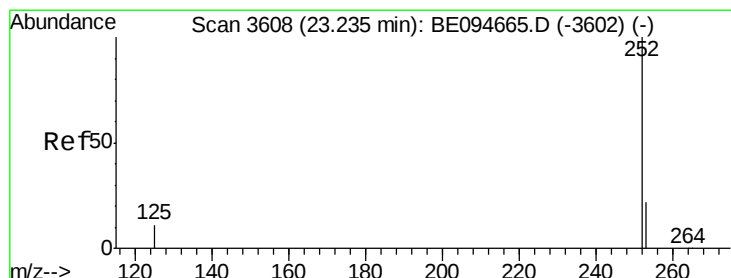
Tgt Ion:252 Resp: 23779

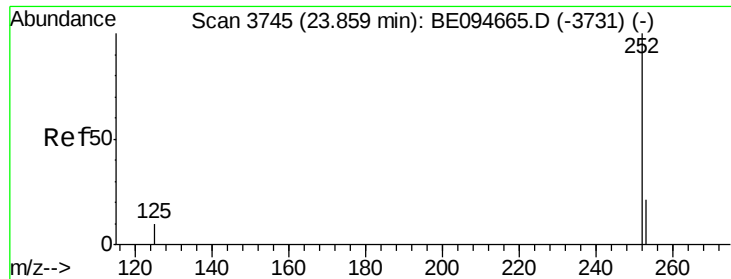
Ion Ratio Lower Upper

252 100

253 39.6 24.5 36.7#

125 137.7 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.85 min Scan# 3744

Delta R.T. -0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :

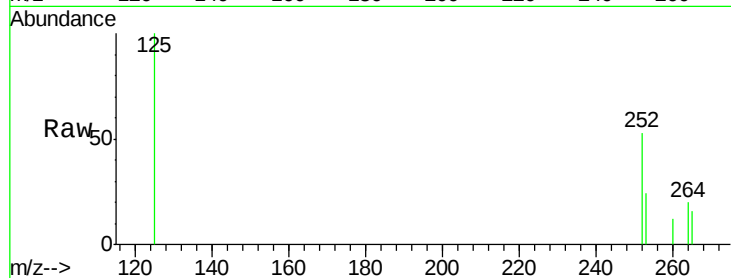
Tot Ion:252 Resp: 10083

Ion Ratio Lower Upper

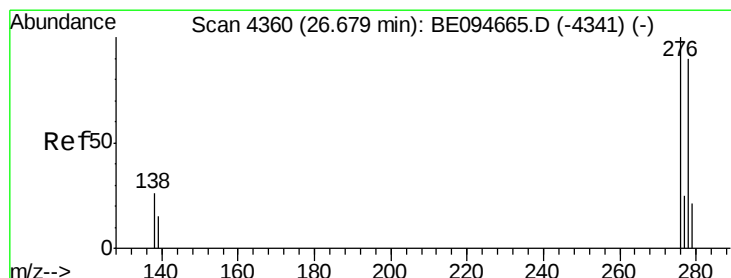
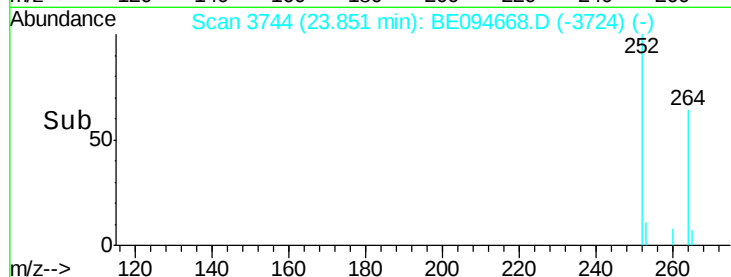
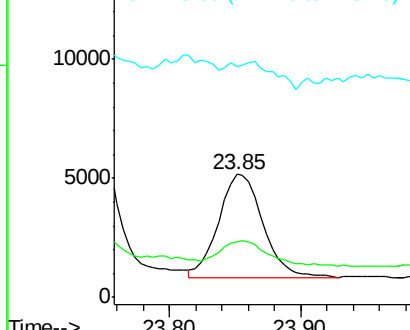
252 100

253 45.2 28.5 42.7#

125 187.0 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: 0.33 ng/ul

RT: 26.68 min Scan# 4361

Delta R.T. -0.00 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

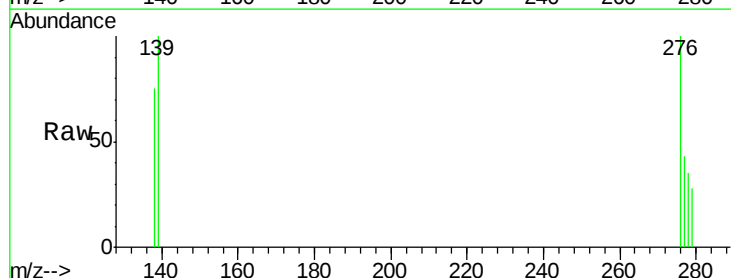
Tgt Ion:276 Resp: 8535

Ion Ratio Lower Upper

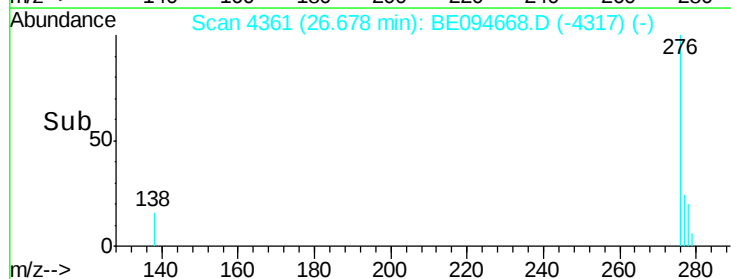
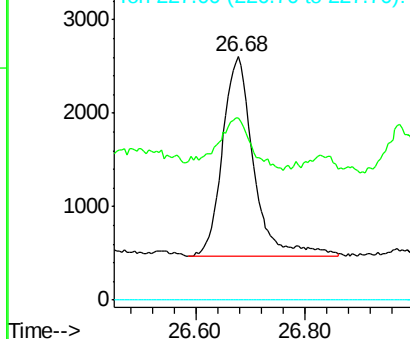
276 100

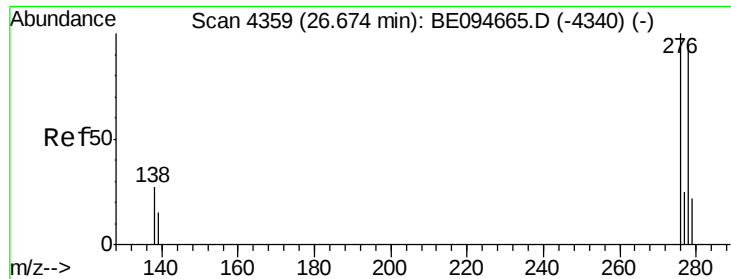
138 27.7 28.0 42.0#

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: 0.11 ng/ul

RT: 26.66 min Scan# 4357

Delta R.T. -0.01 min

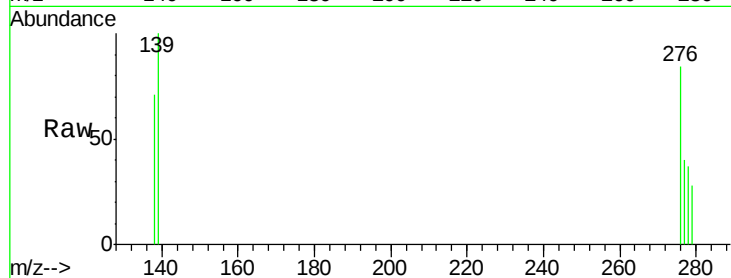
Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

ClientSampleId :



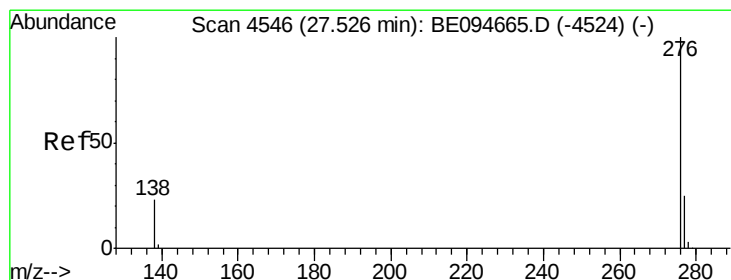
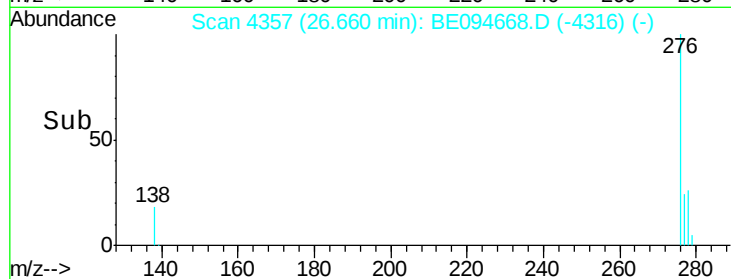
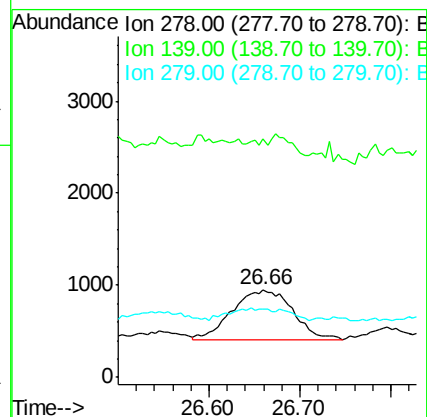
Tot Ion:278 Resp: 2459

Ion Ratio Lower Upper

278 100

139 273.2 17.4 26.0#

279 77.4 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.46 ng/ul

RT: 27.52 min Scan# 4546

Delta R.T. -0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Tgt Ion:276 Resp: 9449

Ion Ratio Lower Upper

276 100

138 70.5 21.8 32.8#

277 42.1 20.5 30.7#

