

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112217\
 Data File : BE094845.D
 Acq On : 22 Nov 2017 23:02
 Operator : SJ/JU
 Sample : I6496-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 23 02:52:02 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 23 02:50:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	780	0.40	ng/ul	-0.04
2) Naphthalene-d8	10.68	136	5396	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.50	164	3747	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	8829	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	8926	0.40	ng/ul	-0.01
20) Perylene-d12	23.95	264	9713	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	1716	0.20	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	5307	0.17	ng/ul	-0.02

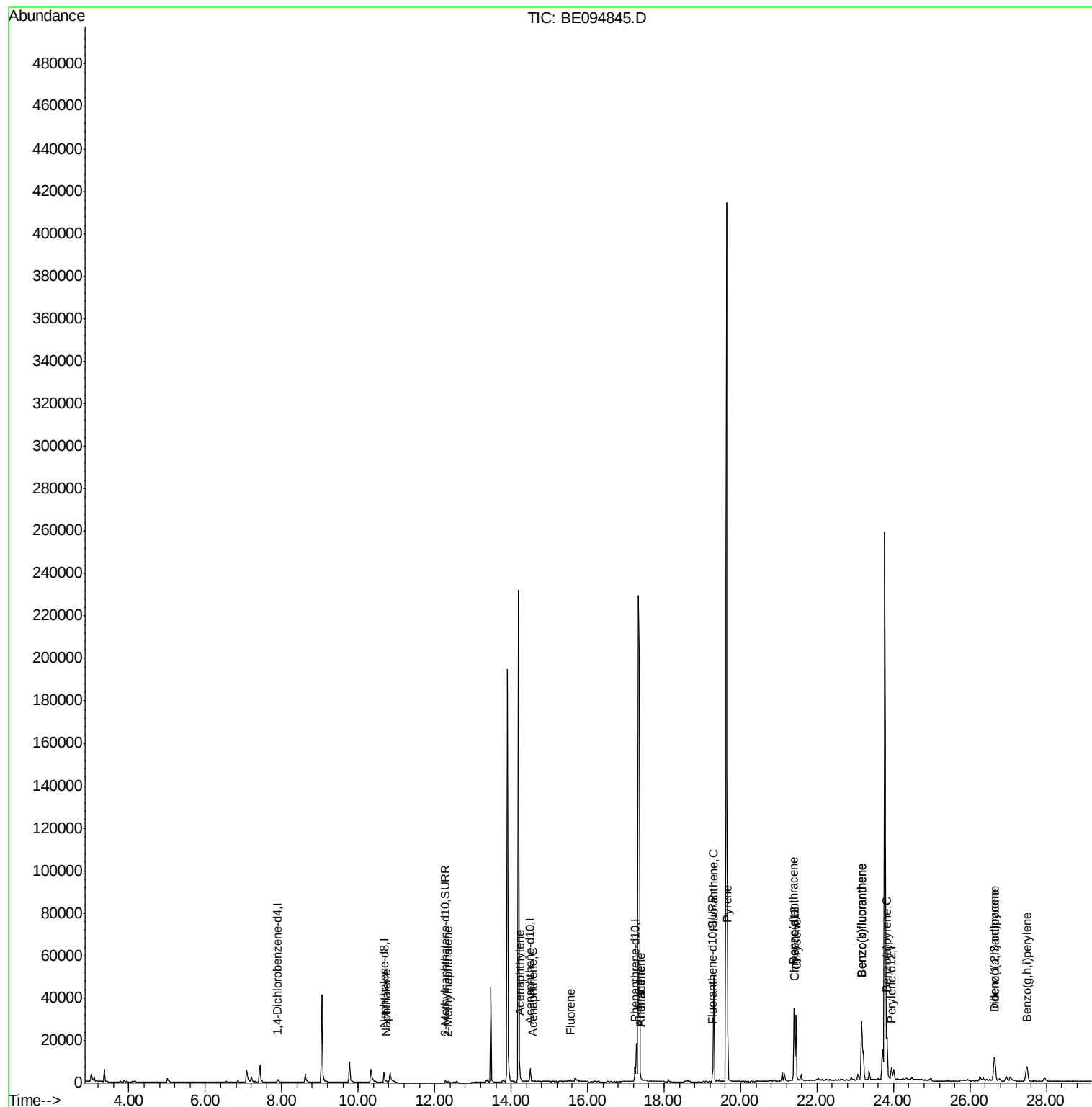
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.72	128	1287	0.10	ng/ul#	90
5) 2-Methylnaphthalene	12.36	142	889	0.10	ng/ul	99
7) Acenaphthylene	14.23	152	1821	0.11	ng/ul#	91
8) Acenaphthene	14.56	153	404	0.03	ng/ul#	91
9) Fluorene	15.55	166	735	0.05	ng/ul#	86
12) Phenanthrene	17.38	178	3106	0.13	ng/ul	94
13) Anthracene	17.38	178	3631	0.15	ng/ul	95
15) Fluoranthene	19.30	202	60890	1.96	ng/ul	82
17) Pyrene	19.66	202	52389	1.88	ng/ul#	78
18) Benzo(a)anthracene	21.40	228	31090	1.15	ng/ul#	88
19) Chrysene	21.45	228	35133	1.30	ng/ul	100
21) Benzo(b)fluoranthene	23.17	252	67166	2.32	ng/ul	86
22) Benzo(k)fluoranthene	23.17	252	67166	2.18	ng/ul#	88
23) Benzo(a)pyrene	23.83	252	31119	1.08	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.64	276	23418	0.75	ng/ul#	72
25) Dibenzo(a,h)anthracene	26.64	278	5951	0.23	ng/ul#	93
26) Benzo(a,h,i)perylene	27.48	276	18249	0.69	ng/ul	96

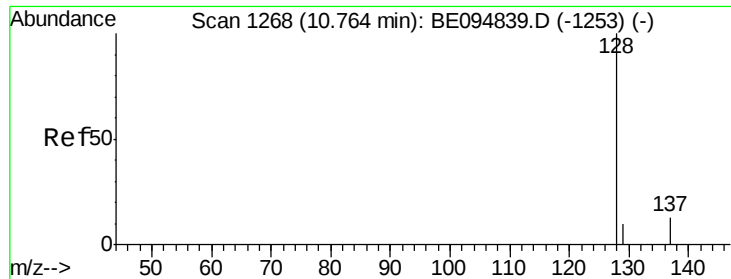
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.72 min Scan# 1260

Delta R.T. -0.04 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

Instrument :

BNA_E

ClientSampleId :

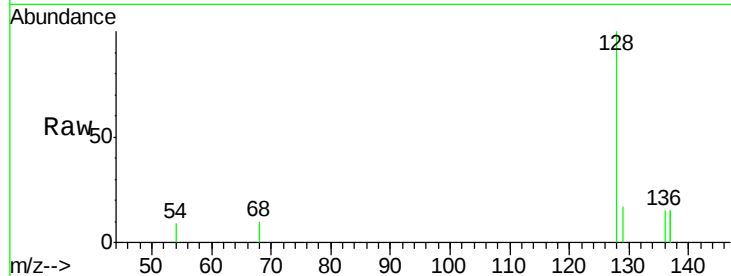
Tot Ion:128 Resp: 1287

Ion Ratio Lower Upper

128 100

129 17.4 11.3 16.9#

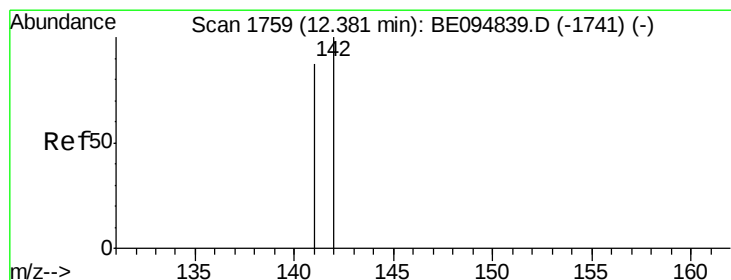
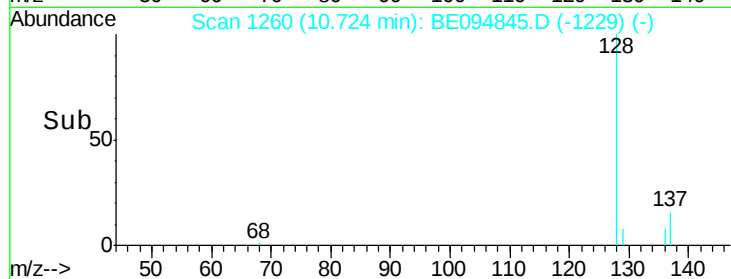
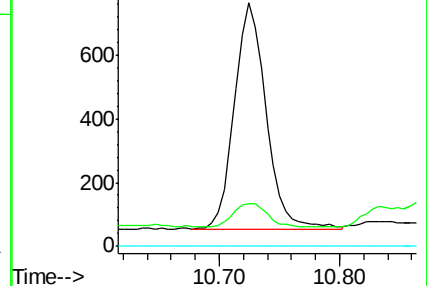
127 0.0 4.0 6.0#



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: 12.36 min Scan# 1751

Delta R.T. -0.02 min

Lab File: BE094845.D

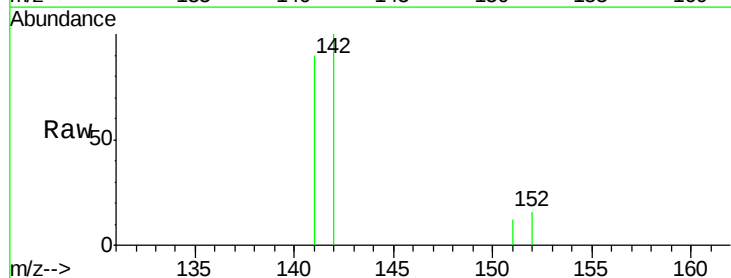
Acq: 22 Nov 2017 23:02

Tgt Ion:142 Resp: 889

Ion Ratio Lower Upper

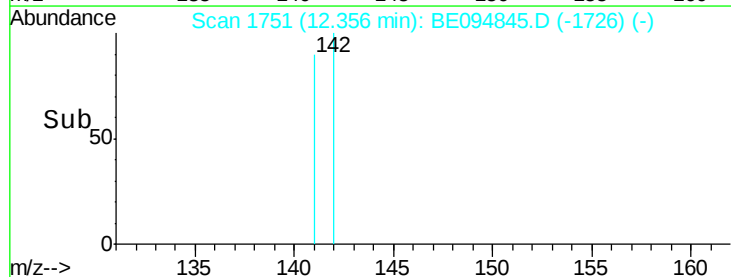
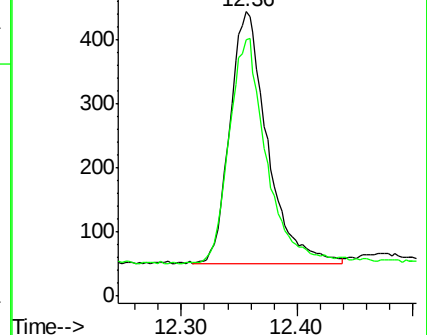
142 100

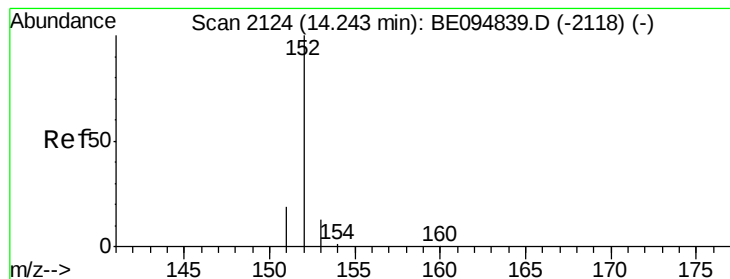
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.02 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

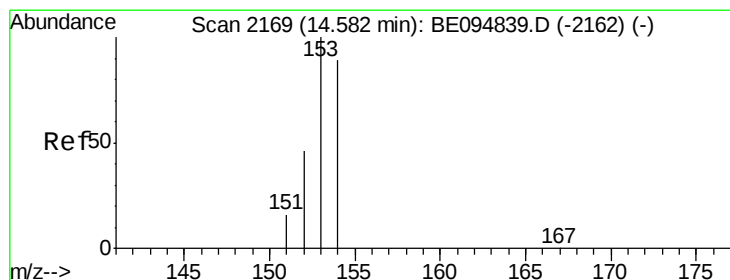
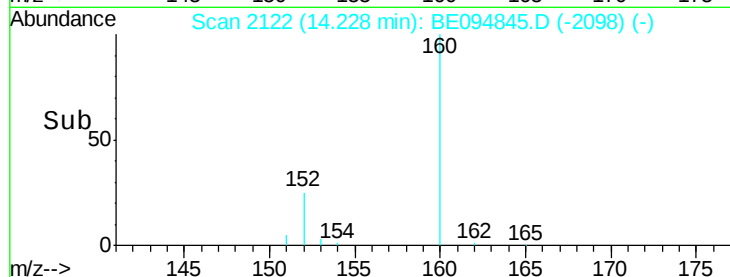
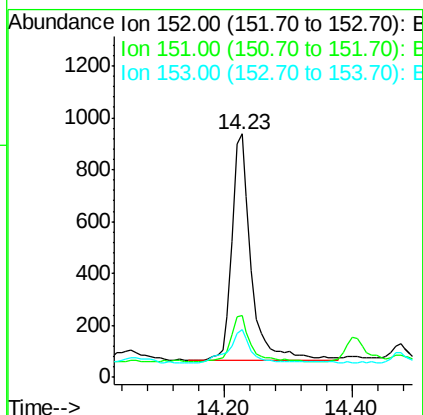
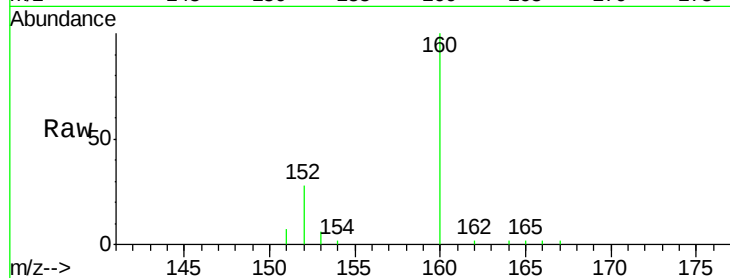
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 1821

Ion	Ratio	Lower	Upper
152	100		
151	25.4	17.1	25.7
153	19.7	12.8	19.2#



#8

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.56 min Scan# 2166

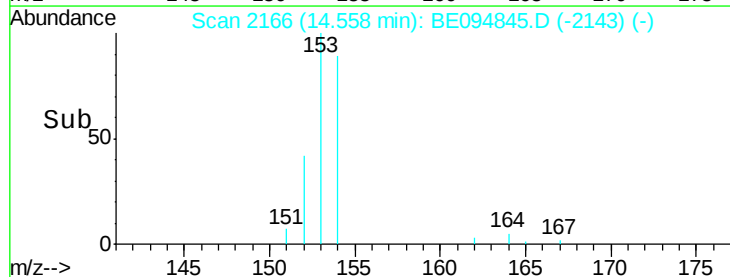
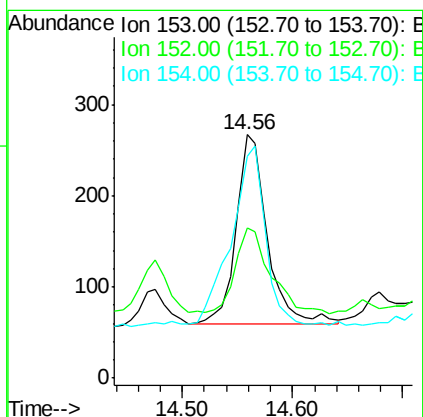
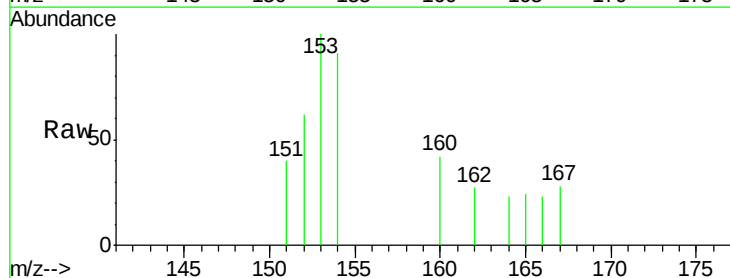
Delta R.T. -0.02 min

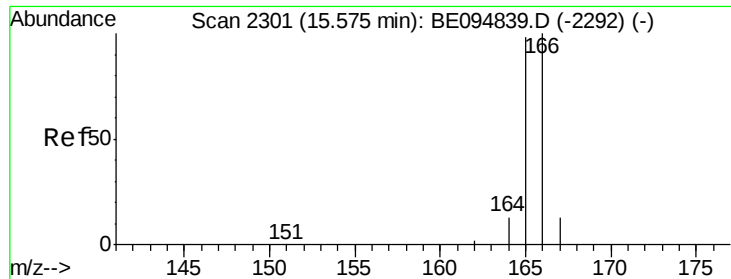
Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

Tgt Ion:153 Resp: 404

Ion	Ratio	Lower	Upper
153	100		
152	61.8	36.0	54.0#
154	91.0	72.0	108.0





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.55 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BE094845.D

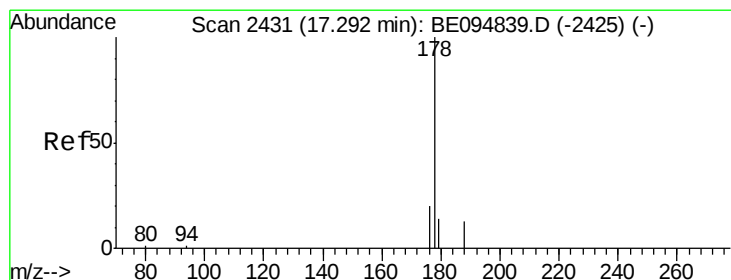
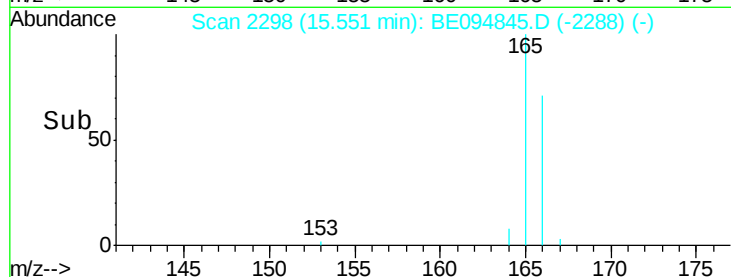
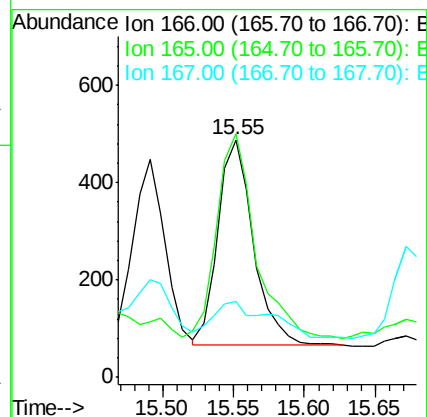
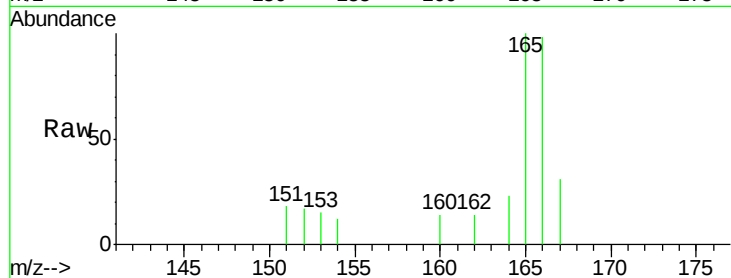
Acq: 22 Nov 2017 23:02

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	166	Resp:	735
Ion	Ratio	Lower	Upper
166	100		
165	102.5	73.4	110.2
167	31.8	14.6	22.0#



#12

Phenanthrene

Concen: 0.13 ng/ul

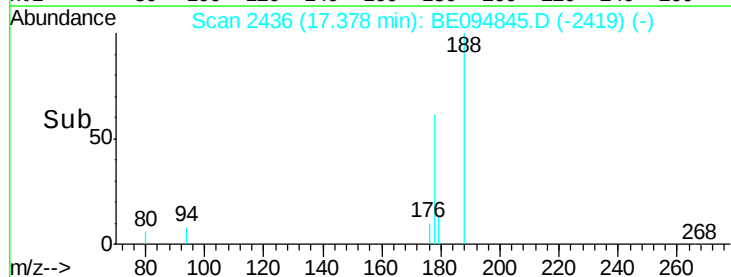
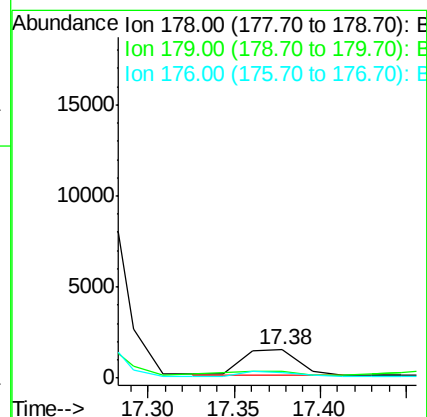
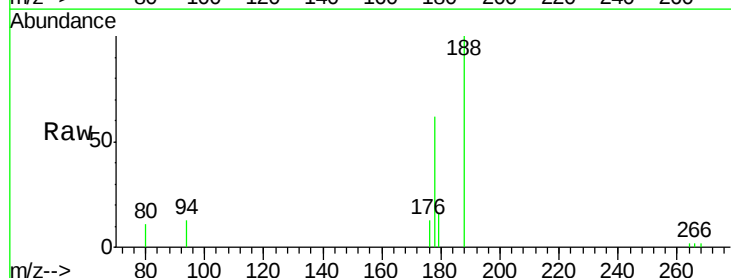
RT: 17.38 min Scan# 2436

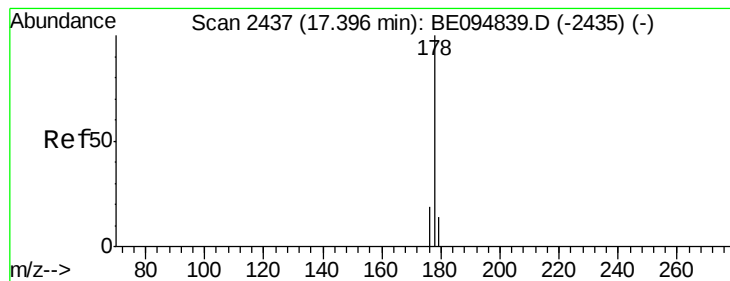
Delta R.T. 0.09 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

Tgt Ion:	178	Resp:	3106
Ion	Ratio	Lower	Upper
178	100		
179	25.6	18.4	27.6
176	20.2	13.6	20.4





#13

Anthracene

Concen: 0.15 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

Instrument :

BNA_E

ClientSampleId :

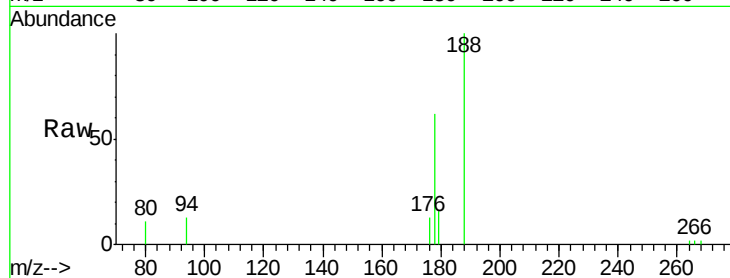
Tot Ion:178 Resp: 3631

Ion Ratio Lower Upper

178 100

179 25.6 18.1 27.1

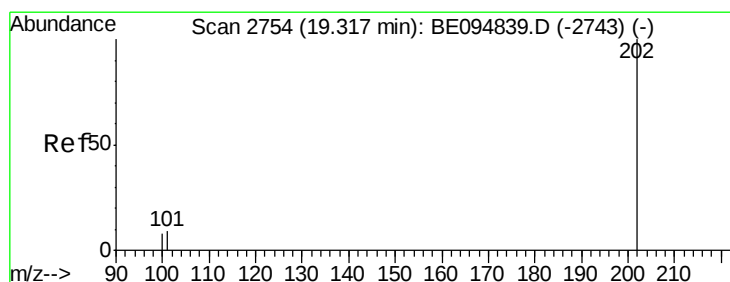
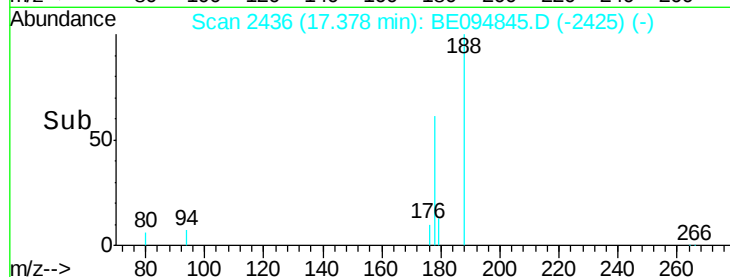
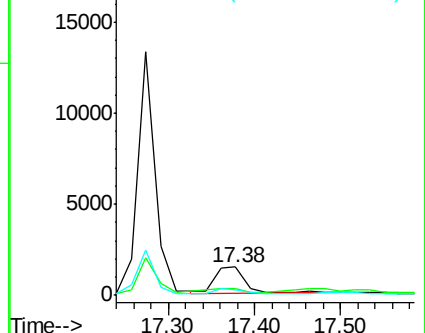
176 20.2 14.7 22.1



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: 1.96 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

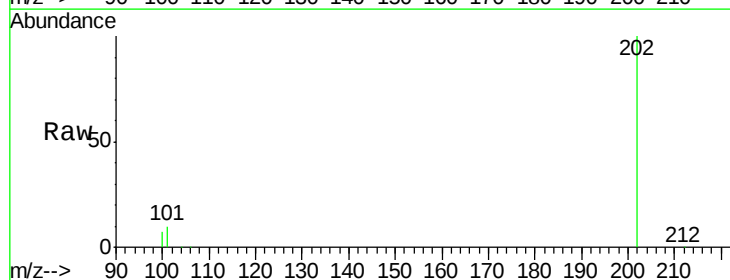
Tgt Ion:202 Resp: 60890

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.3

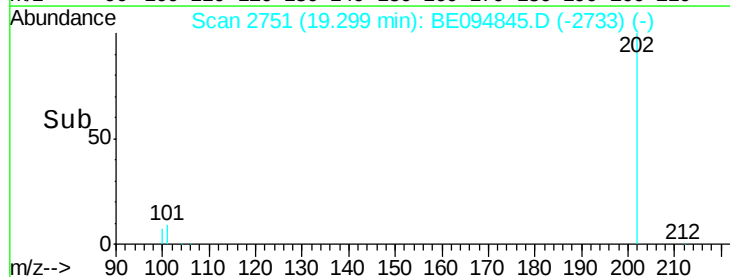
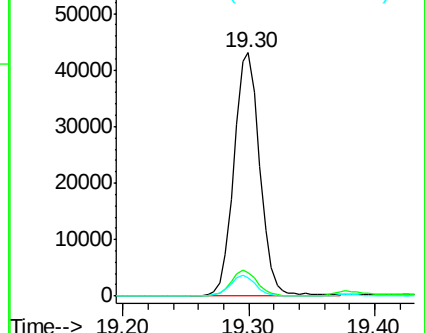
100 7.5 0.0 39.5

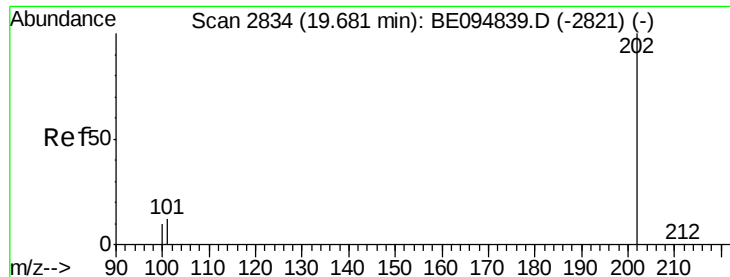


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 1.88 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

Instrument :

BNA_E

ClientSampleId :

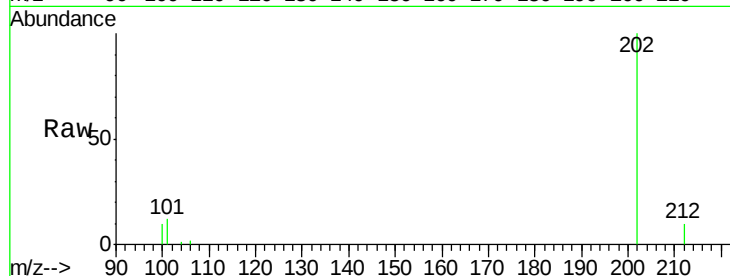
Tot Ion:202 Resp: 52389

Ion Ratio Lower Upper

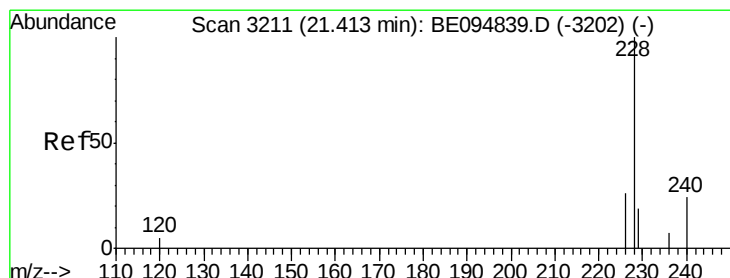
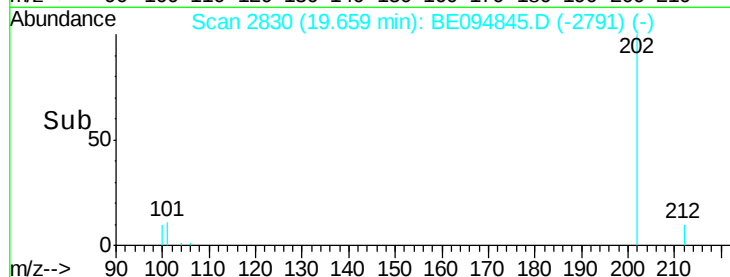
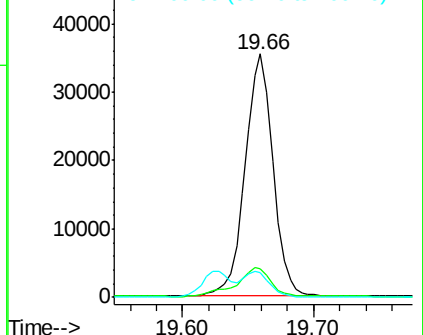
202 100

101 11.8 18.2 27.4#

100 9.9 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: 1.15 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.02 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

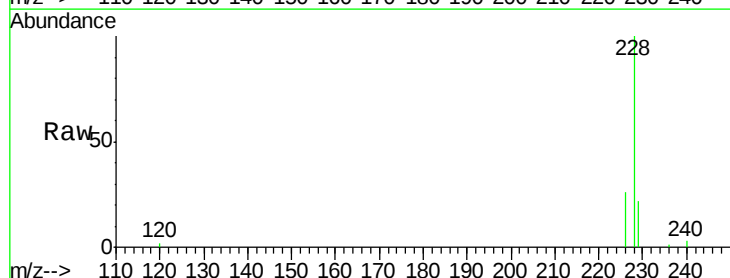
Tgt Ion:228 Resp: 31090

Ion Ratio Lower Upper

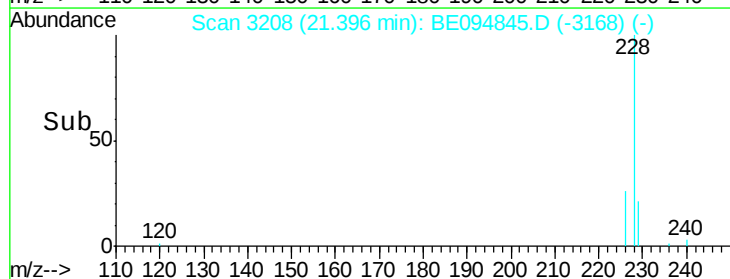
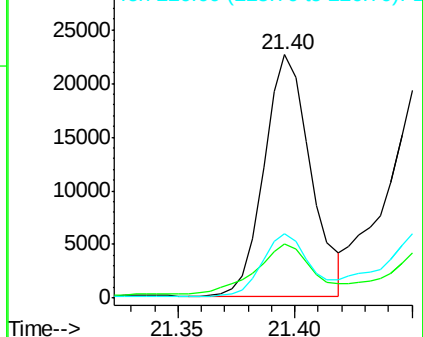
228 100

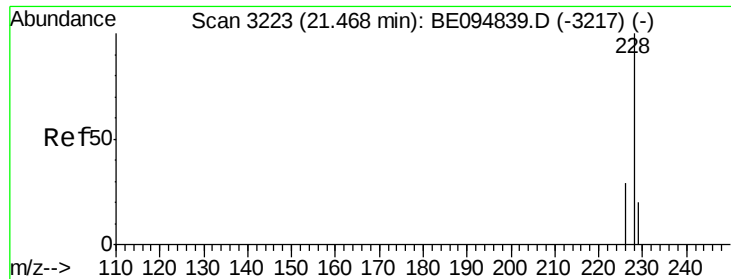
229 22.0 22.8 34.2#

226 26.3 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: 1.30 ng/ul

RT: 21.45 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

Instrument :

BNA_E

ClientSampleId :

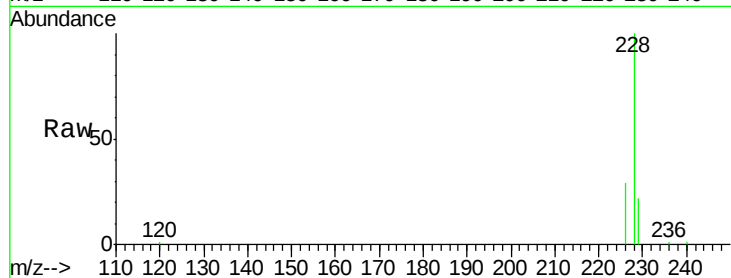
Tot Ion:228 Resp: 35133

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.0

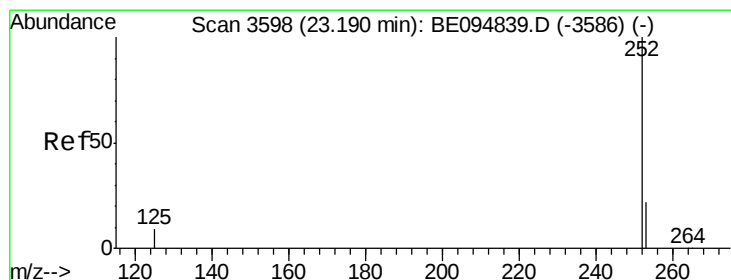
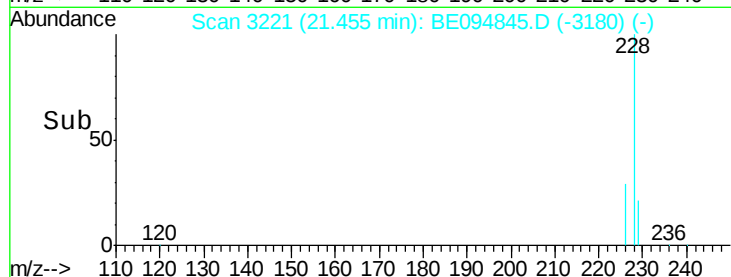
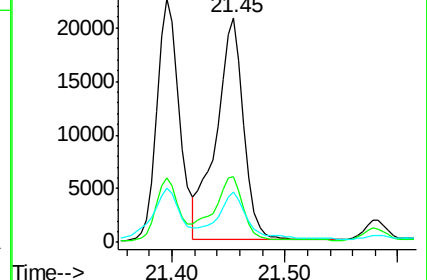
229 22.2 17.7 26.5



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: 2.32 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.02 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

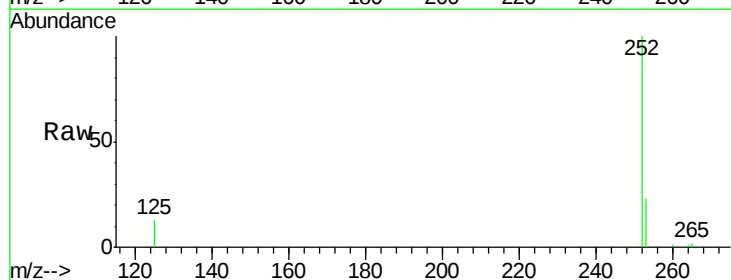
Tgt Ion:252 Resp: 67166

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

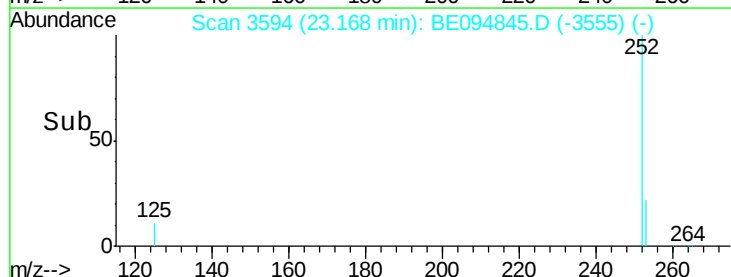
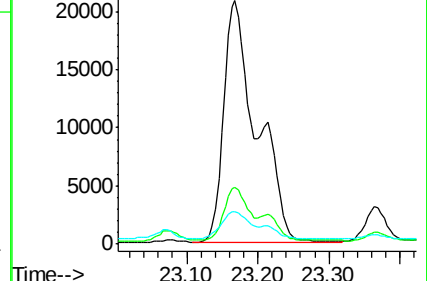
125 13.4 0.0 35.0

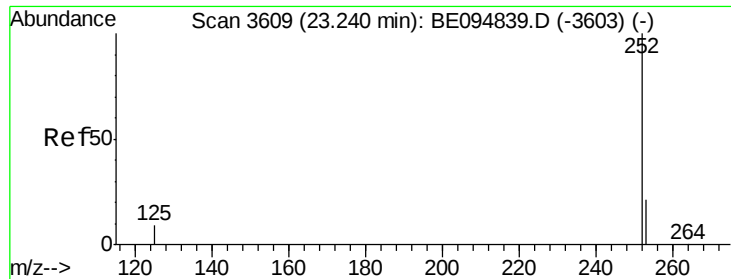


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.18 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.07 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

Instrument :

BNA_E

ClientSampleId :

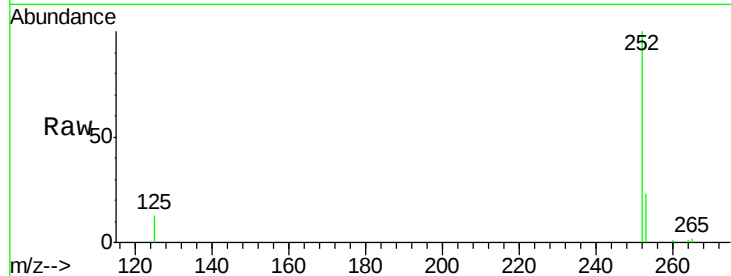
Tot Ion:252 Resp: 67166

Ion Ratio Lower Upper

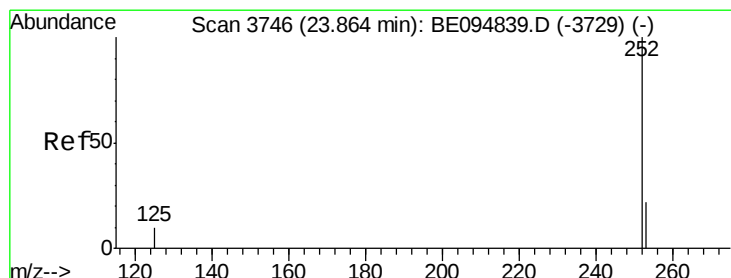
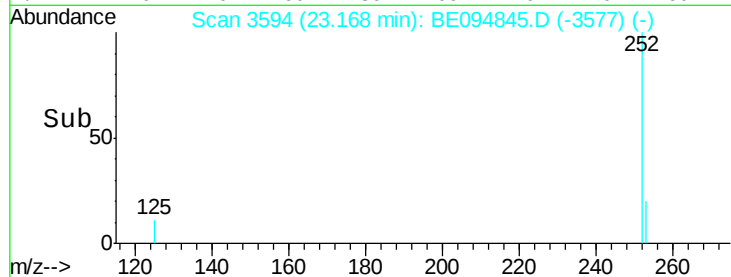
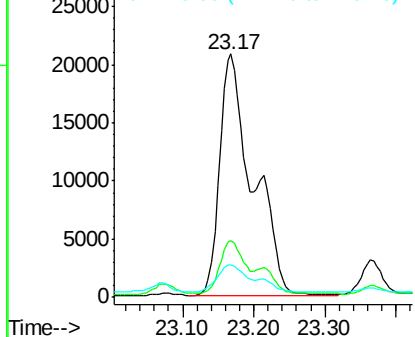
252 100

253 23.2 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: 1.08 ng/ul

RT: 23.83 min Scan# 3739

Delta R.T. -0.04 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

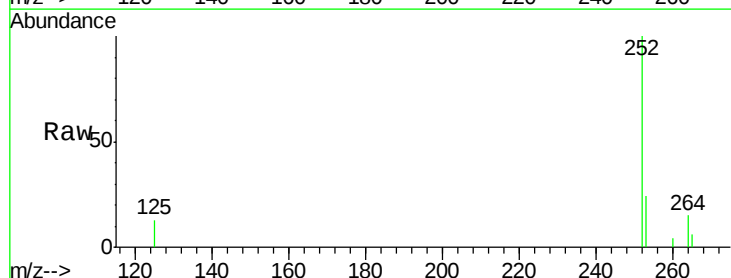
Tgt Ion:252 Resp: 31119

Ion Ratio Lower Upper

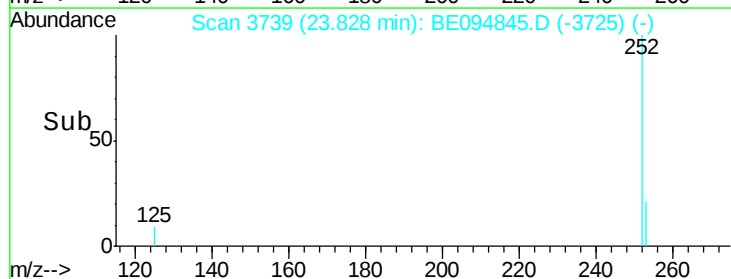
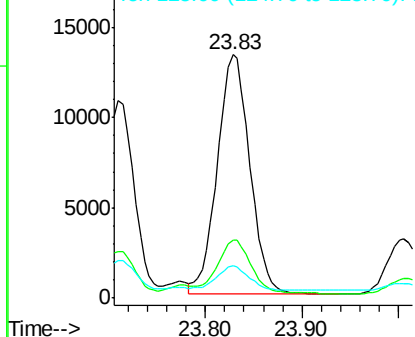
252 100

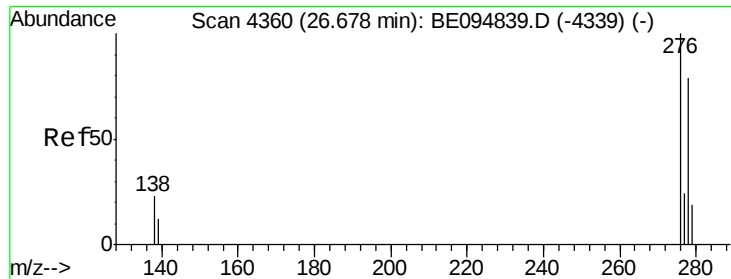
253 23.7 28.5 42.7#

125 13.1 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: 0.75 ng/ul

RT: 26.64 min Scan# 4353

Delta R.T. -0.04 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

Instrument :

BNA_E

ClientSampleId :

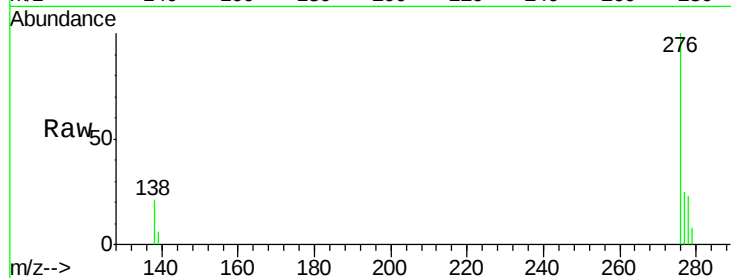
Tot Ion:276 Resp: 23418

Ion Ratio Lower Upper

276 100

138 18.6 28.0 42.0#

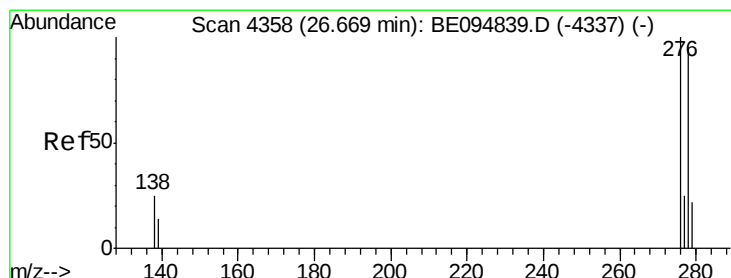
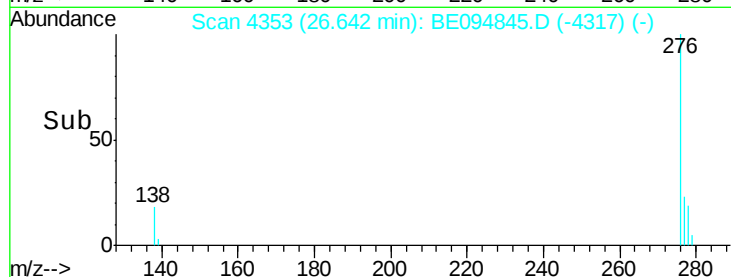
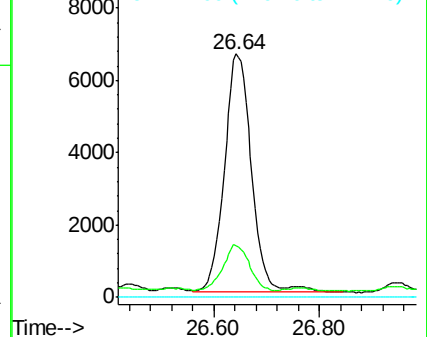
227 0.0 8.0 12.0#



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: 0.23 ng/ul

RT: 26.64 min Scan# 4352

Delta R.T. -0.03 min

Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

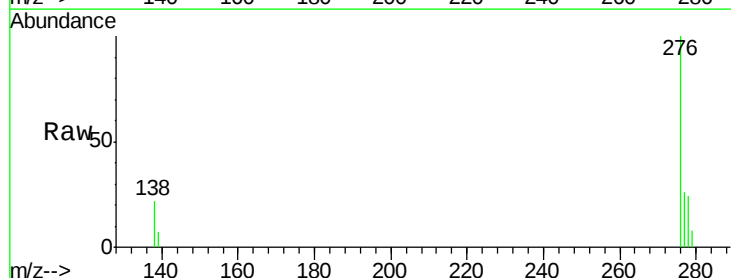
Tgt Ion:278 Resp: 5951

Ion Ratio Lower Upper

278 100

139 27.1 17.4 26.0#

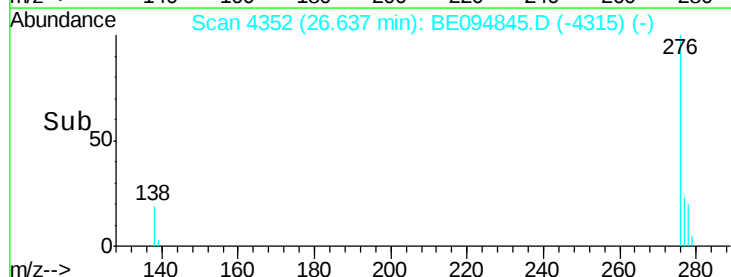
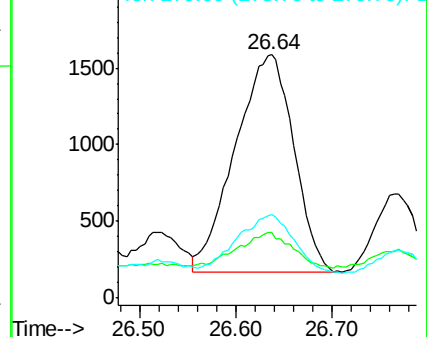
279 34.2 25.9 38.9

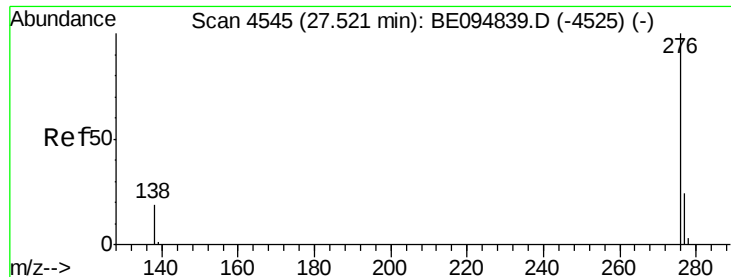


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.69 ng/ul

RT: 27.48 min Scan# 4537

Delta R.T. -0.04 min

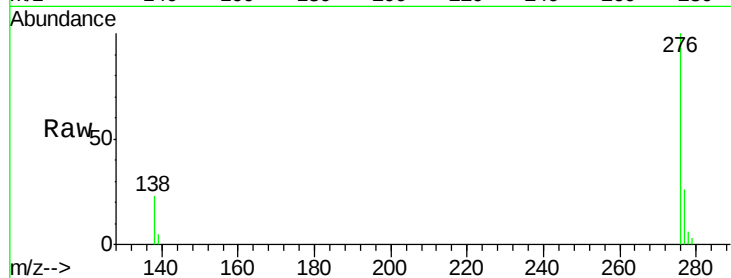
Lab File: BE094845.D

Acq: 22 Nov 2017 23:02

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 18249

Ion Ratio Lower Upper

276 100

138 23.5 21.8 32.8

277 26.2 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

