

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094383.D
 Acq On : 15 Oct 2017 8:15
 Operator : SJ/JU
 Sample : I5548-18DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 16 05:11:04 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 05:09:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2160	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	11268	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7022	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	13496	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	14004	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	11939	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	737	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1750	0.04	ng/ul	0.00

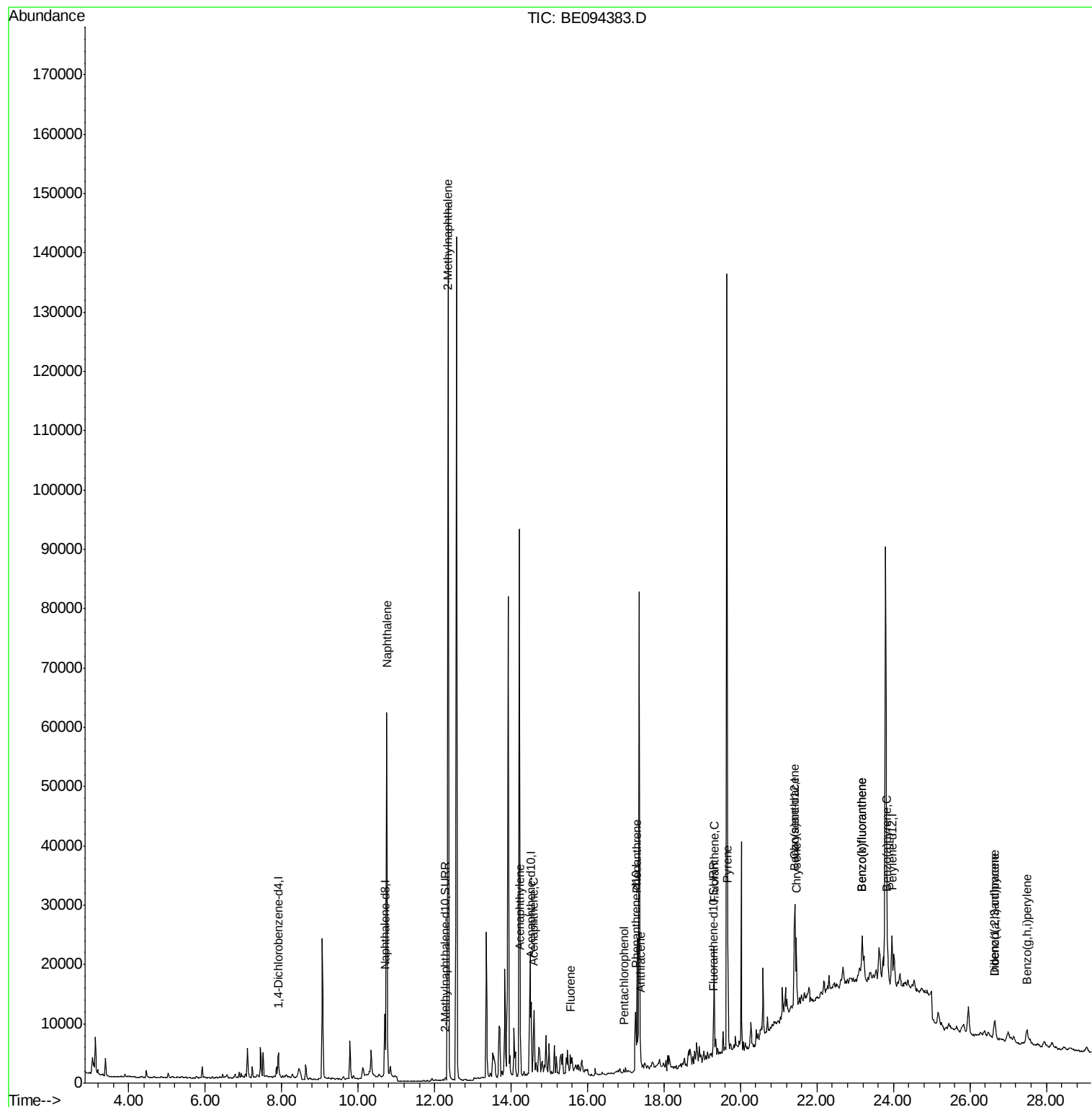
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	97332	3.527	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	125891	7.031	ng/ul	98
7) Acenaphthylene	14.24	152	2841	0.104	ng/ul#	1
8) Acenaphthene	14.59	153	4852	0.215	ng/ul#	64
9) Fluorene	15.57	166	1545	0.059	ng/ul#	63
11) Pentachlorophenol	16.95	266	53	0.033	ng/ul	90
12) Phenanthrene	17.29	178	24718	0.701	ng/ul#	91
13) Anthracene	17.38	178	3138	0.091	ng/ul#	64
15) Fluoranthene	19.31	202	20509	0.443	ng/ul	82
17) Pyrene	19.67	202	20126	0.517	ng/ul#	87
18) Benzo(a)anthracene	21.40	228	10509	0.283	ng/ul#	58
19) Chrysene	21.46	228	11964	0.279	ng/ul#	54
21) Benzo(b)fluoranthene	23.18	252	18442	0.569	ng/ul#	1
22) Benzo(k)fluoranthene	23.18	252	18442	0.492	ng/ul#	1
23) Benzo(a)pyrene	23.85	252	8595	0.255	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.65	276	5545	0.161	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.65	278	1705	0.059	ng/ul#	1
26) Benzo(g,h,i)perylene	27.49	276	6189	0.208	ng/ul#	28

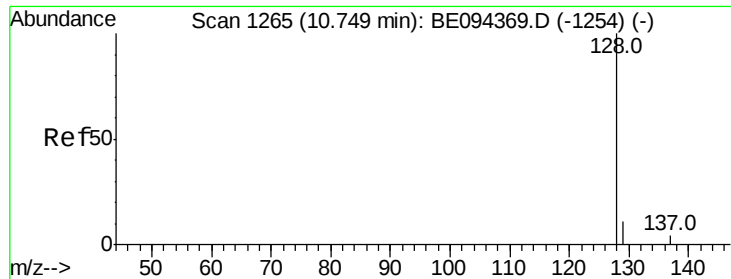
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.527 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

Instrument :

BNA_E

ClientSampleId :

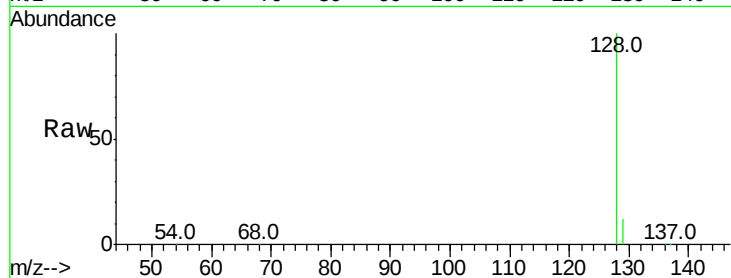
Tot Ion:128 Resp: 97332

Ion Ratio Lower Upper

128 100

129 11.7 11.3 16.9

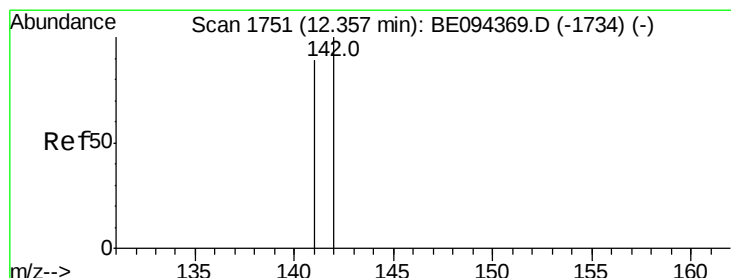
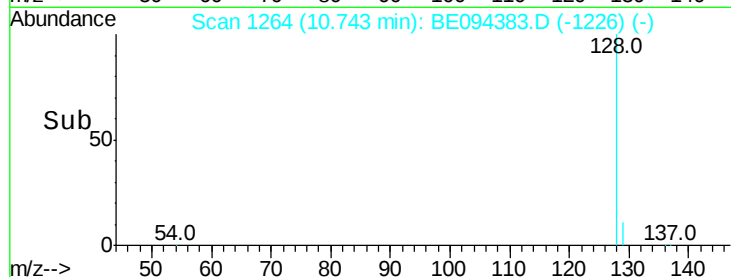
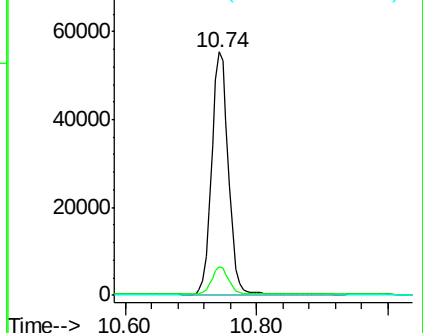
127 0.0 4.0 6.0#



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: 7.031 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094383.D

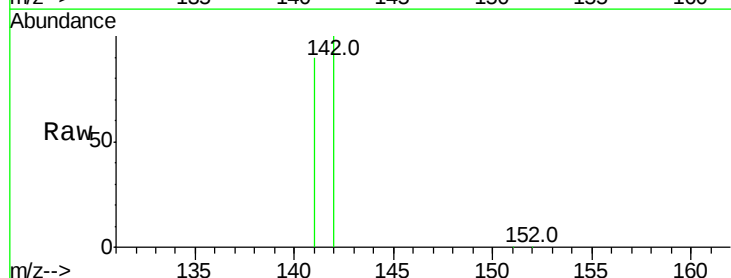
Acq: 15 Oct 2017 8:15

Tgt Ion:142 Resp: 125891

Ion Ratio Lower Upper

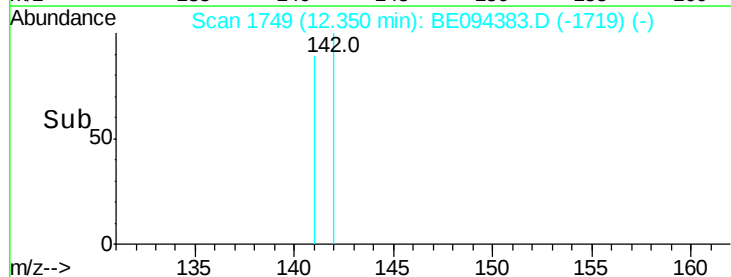
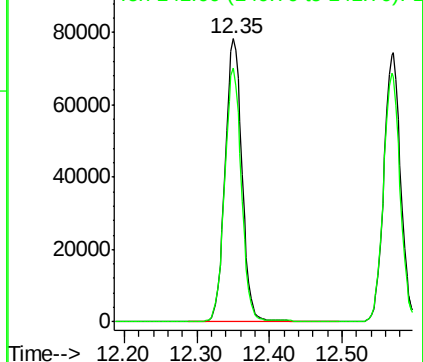
142 100

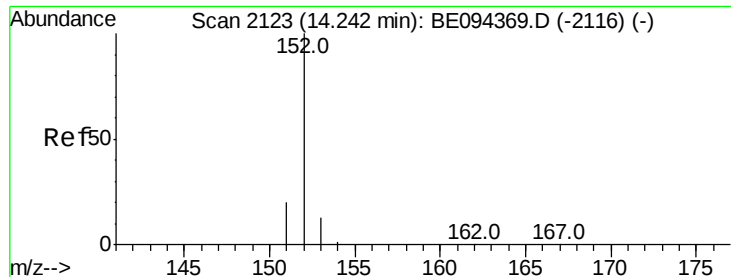
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.104 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

Instrument :

BNA_E

ClientSampled :

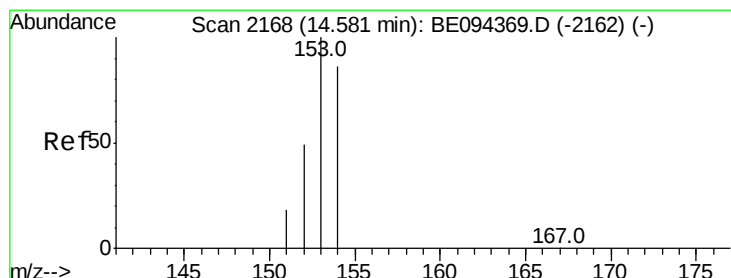
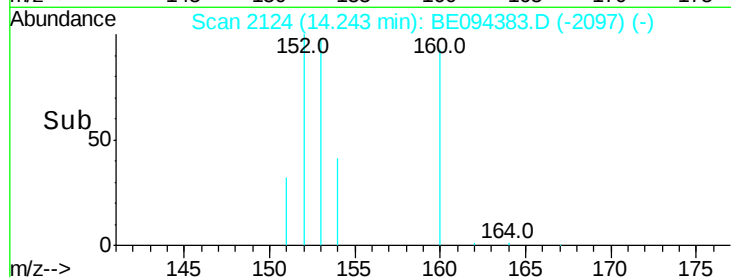
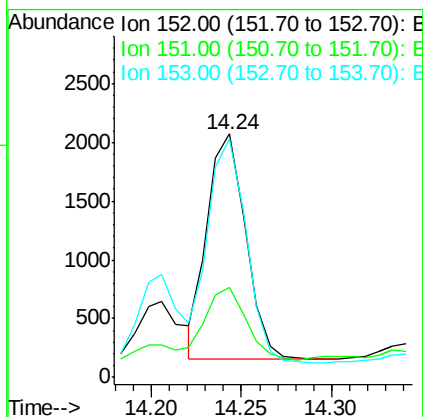
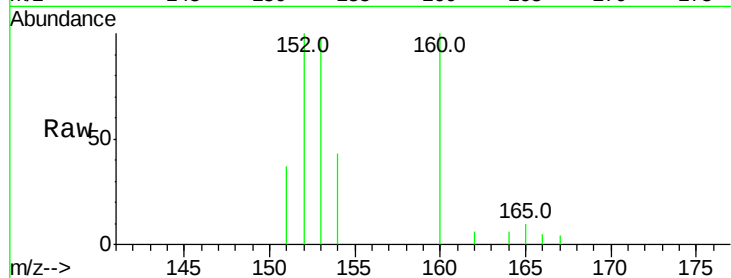
Tot Ion:152 Resp: 2841

Ion Ratio Lower Upper

152 100

151 36.8 17.1 25.7#

153 97.9 12.8 19.2#



#8

Acenaphthene

Concen: 0.215 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

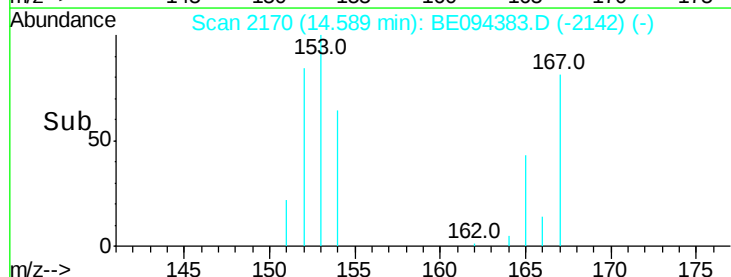
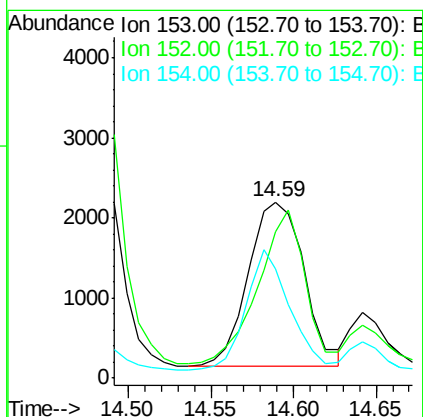
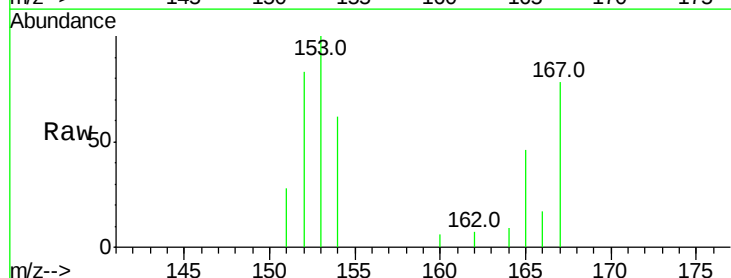
Tgt Ion:153 Resp: 4852

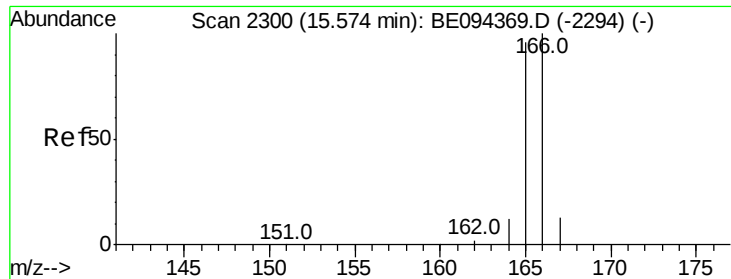
Ion Ratio Lower Upper

153 100

152 83.3 40.3 60.5#

154 62.3 71.4 107.2#

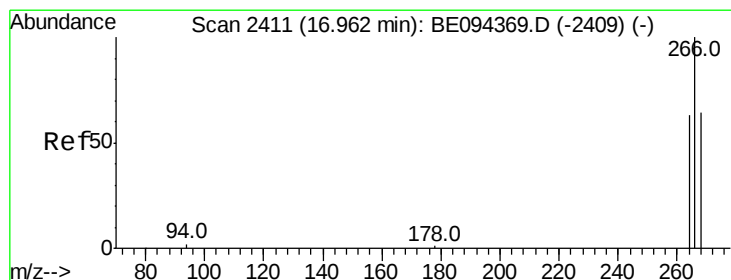
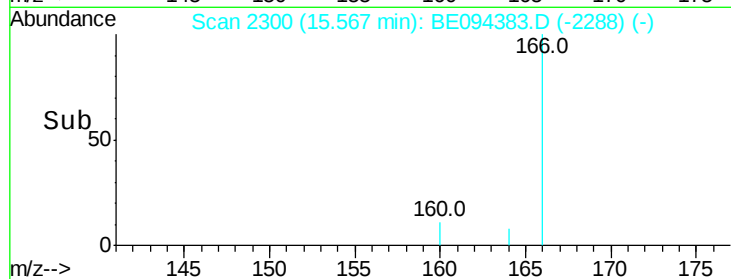
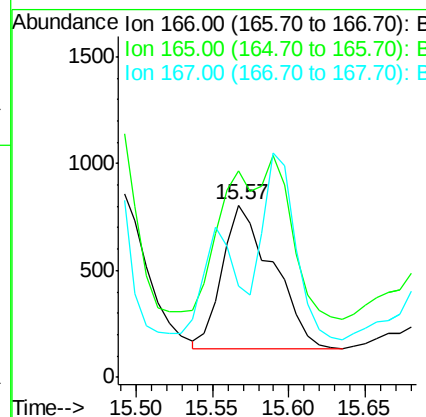
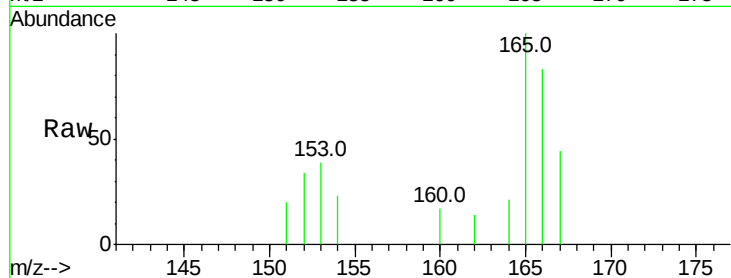




#9
Fluorene
Concen: 0.059 ng/ul
RT: 15.57 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BE094383.D
Acq: 15 Oct 2017 8:15

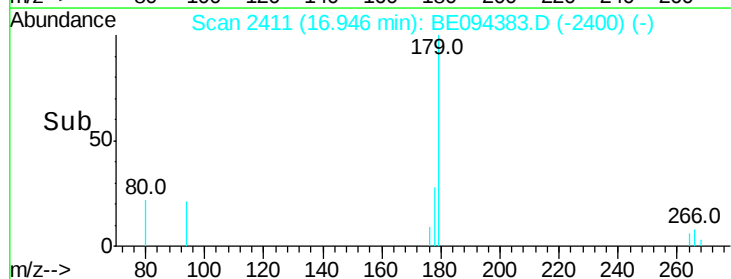
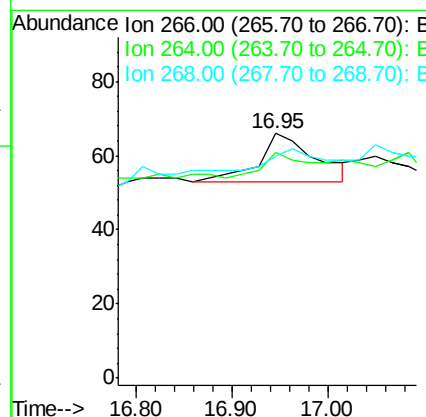
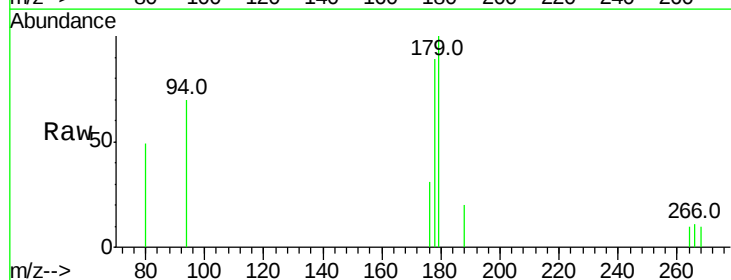
Instrument :
BNA_E
ClientSampled :

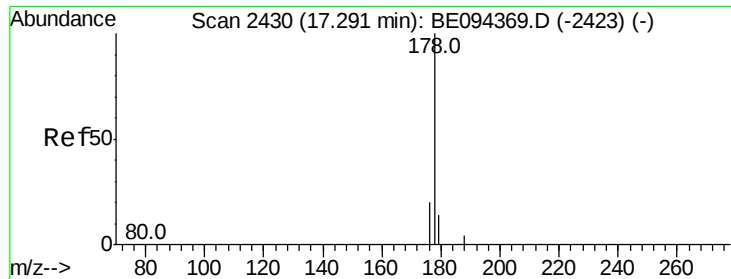
Tot Ion:166 Resp: 1545
Ion Ratio Lower Upper
166 100
165 119.8 73.4 110.2#
167 52.7 14.6 22.0#



#11
Pentachlorophenol
Concen: 0.033 ng/ul
RT: 16.95 min Scan# 2411
Delta R.T. -0.02 min
Lab File: BE094383.D
Acq: 15 Oct 2017 8:15

Tgt Ion:266 Resp: 53
Ion Ratio Lower Upper
266 100
264 67.9 47.9 71.9
268 69.8 49.8 74.8





#12

Phenanthrene

Concen: 0.701 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

Instrument :

BNA_E

ClientSampleId :

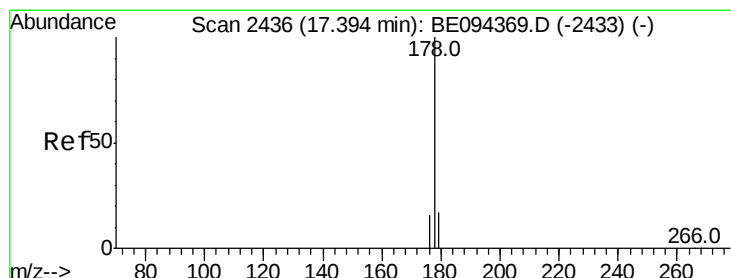
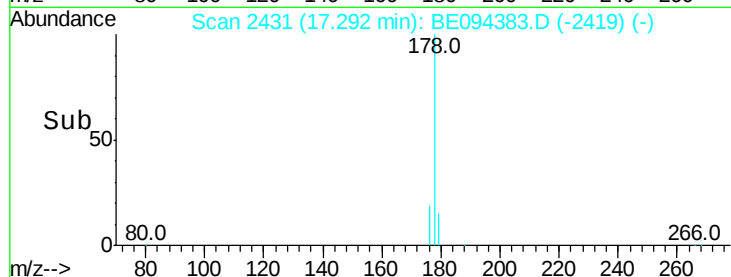
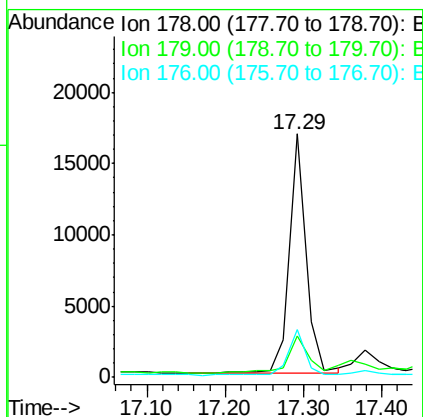
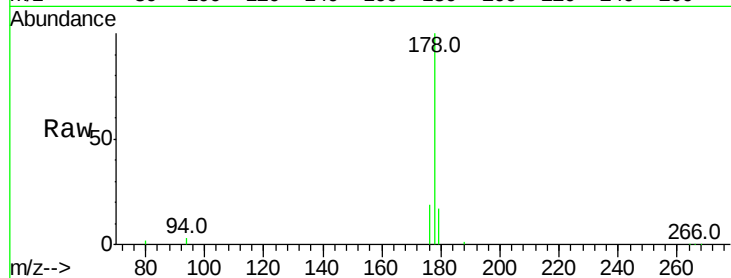
Tot Ion:178 Resp: 24718

Ion Ratio Lower Upper

178 100

179 17.0 18.4 27.6#

176 19.4 13.6 20.4



#13

Anthracene

Concen: 0.091 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

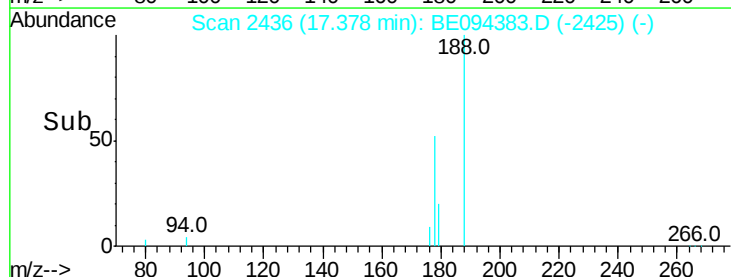
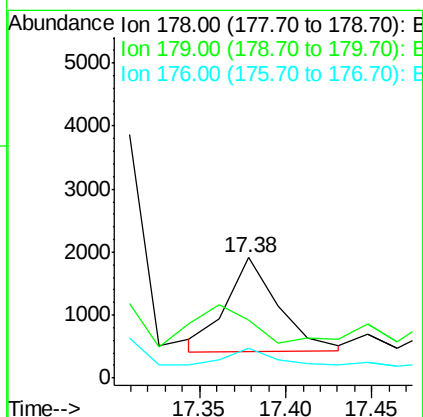
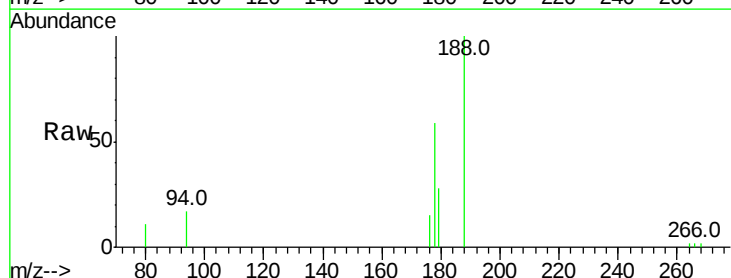
Tgt Ion:178 Resp: 3138

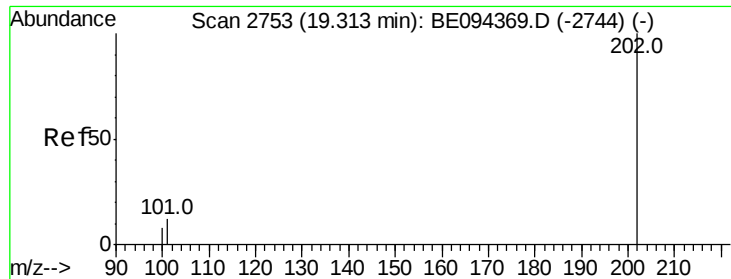
Ion Ratio Lower Upper

178 100

179 48.3 18.1 27.1#

176 24.9 14.7 22.1#





#15

Fluoranthene

Concen: 0.443 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

Instrument :

BNA_E

ClientSampleId :

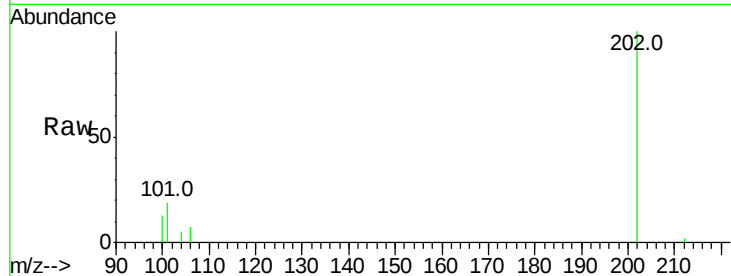
Tot Ion:202 Resp: 20509

Ion Ratio Lower Upper

202 100

101 18.9 0.0 30.3

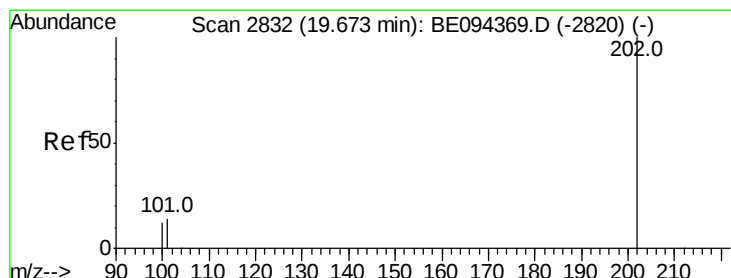
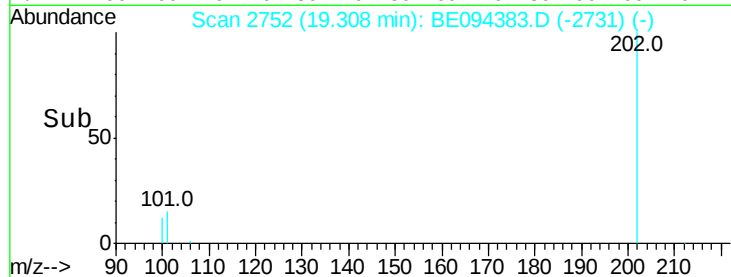
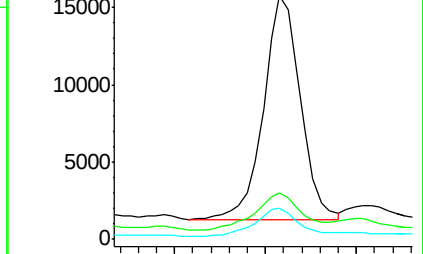
100 12.5 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.517 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

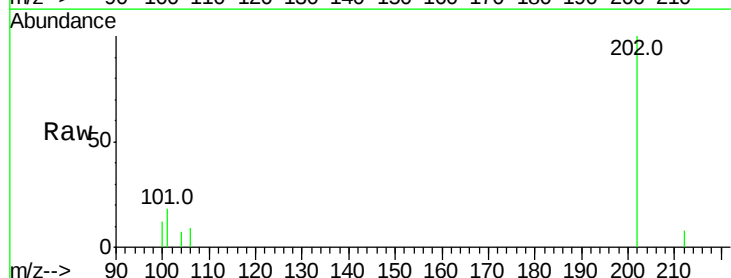
Tgt Ion:202 Resp: 20126

Ion Ratio Lower Upper

202 100

101 18.1 18.2 27.4#

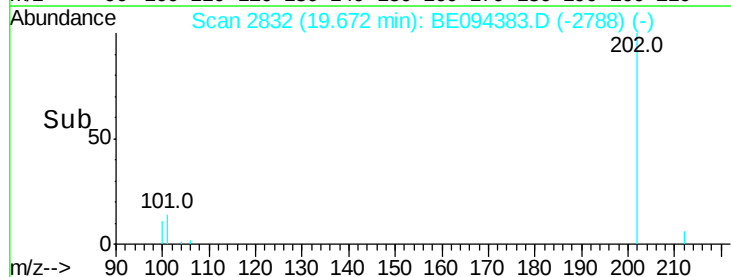
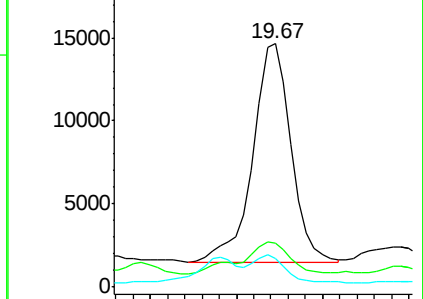
100 11.8 15.6 23.4#

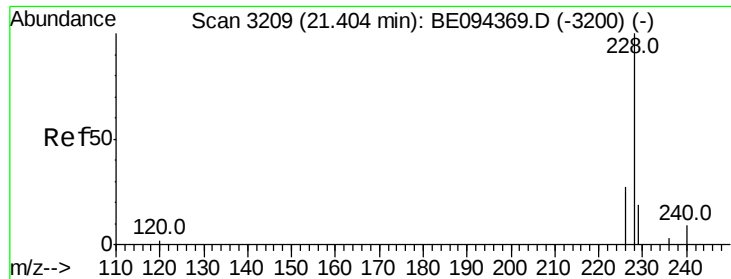


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.283 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

Instrument :

BNA_E

ClientSampleId :

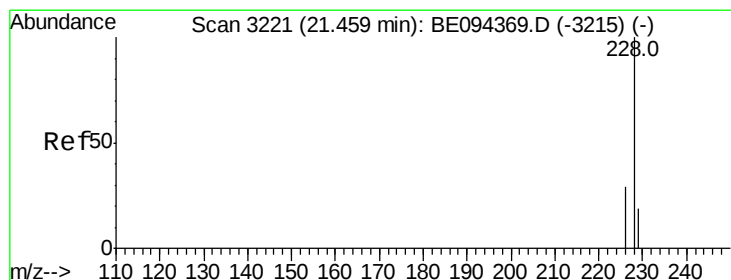
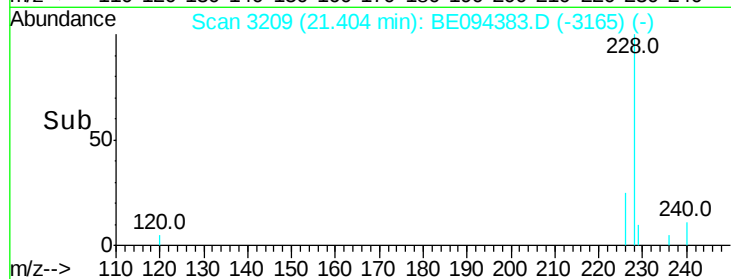
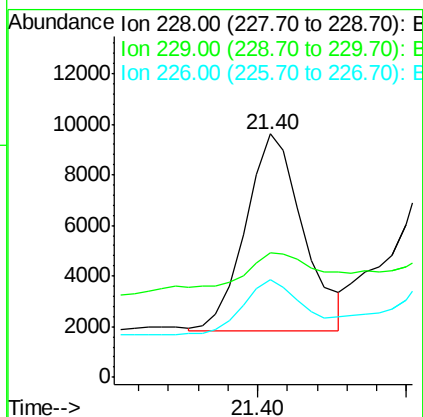
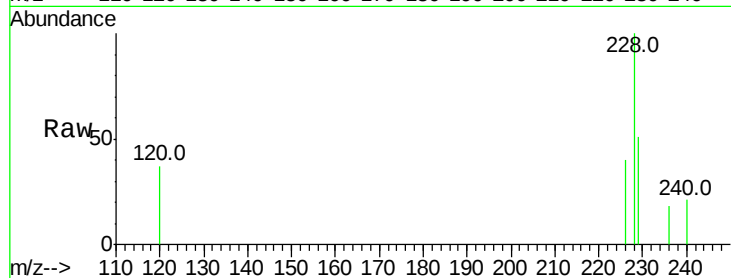
Tot Ion:228 Resp: 10509

Ion Ratio Lower Upper

228 100

229 51.1 22.8 34.2#

226 40.2 17.0 25.6#



#19

Chrysene

Concen: 0.279 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.00 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

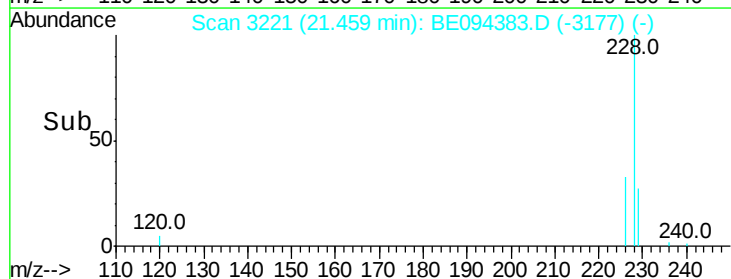
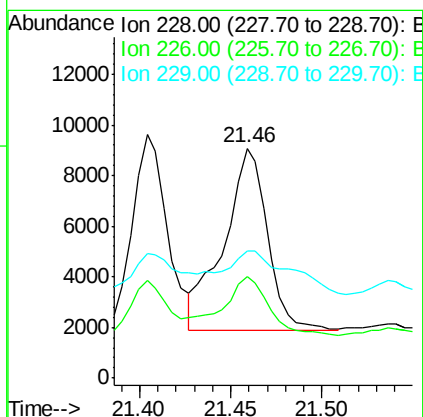
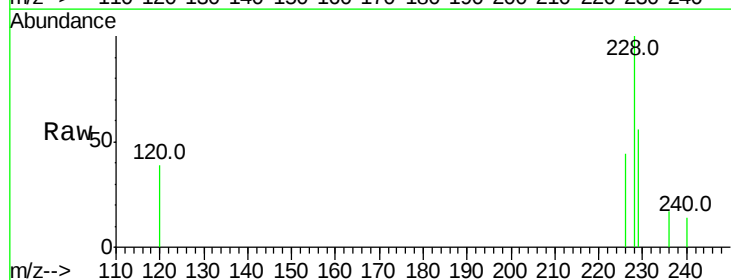
Tgt Ion:228 Resp: 11964

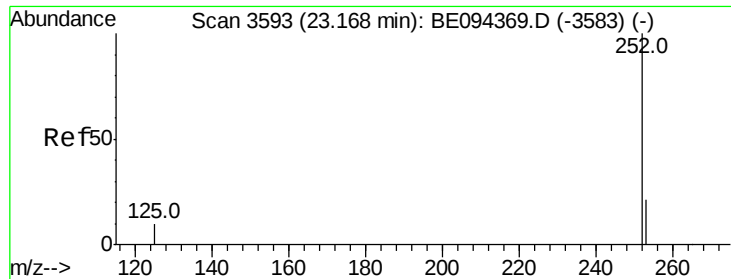
Ion Ratio Lower Upper

228 100

226 44.0 23.4 35.0#

229 55.6 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.569 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. 0.01 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

Instrument :

BNA_E

ClientSampleId :

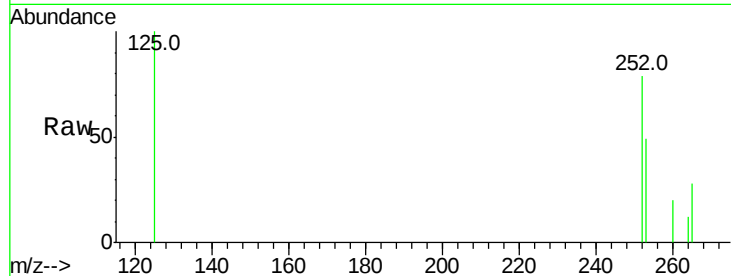
Tot Ion:252 Resp: 18442

Ion Ratio Lower Upper

252 100

253 62.0 0.0 64.2

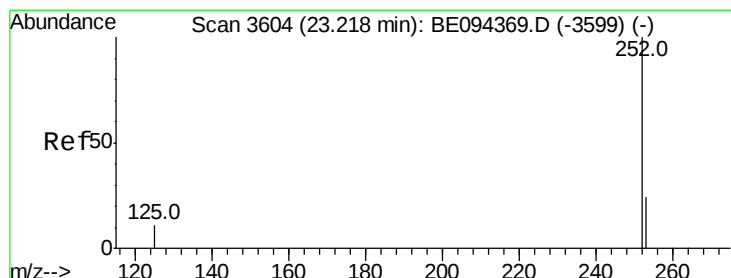
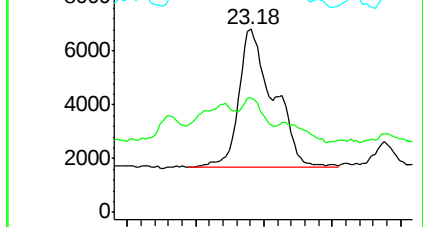
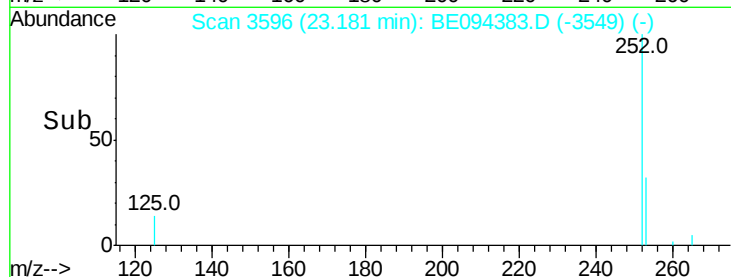
125 126.2 0.0 35.0#



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: 0.492 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.04 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

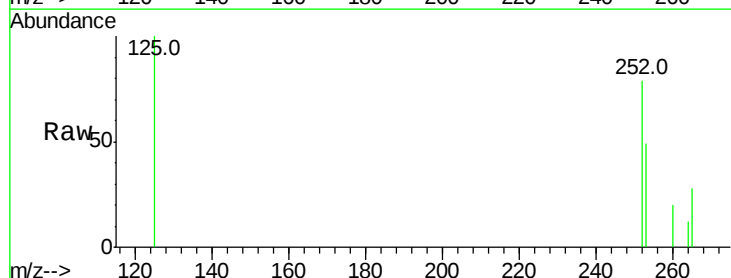
Tgt Ion:252 Resp: 18442

Ion Ratio Lower Upper

252 100

253 62.0 24.5 36.7#

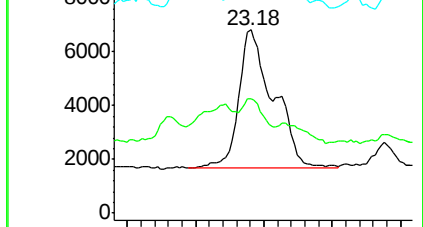
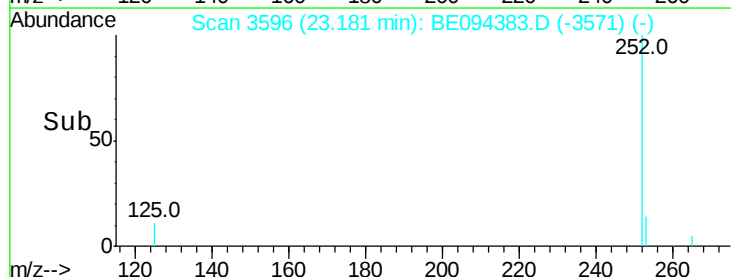
125 126.2 13.7 20.5#

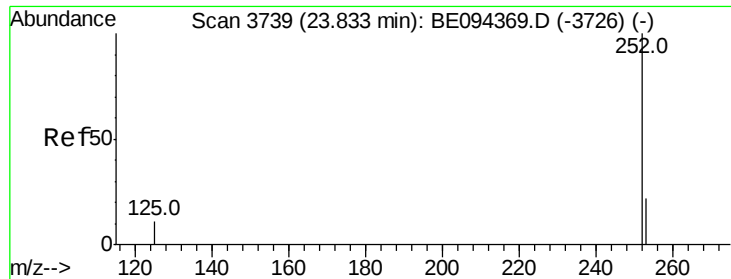


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.255 ng/ul

RT: 23.85 min Scan# 3742

Delta R.T. 0.01 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

Instrument :

BNA_E

ClientSampleId :

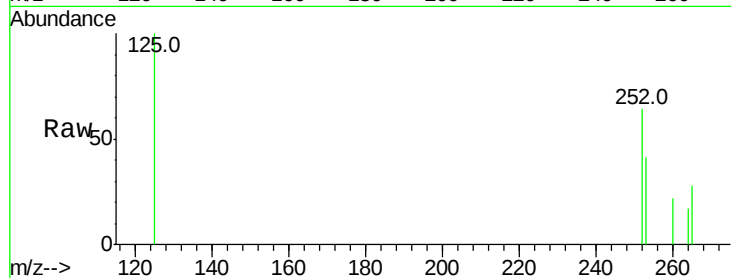
Tot Ion:252 Resp: 8595

Ion Ratio Lower Upper

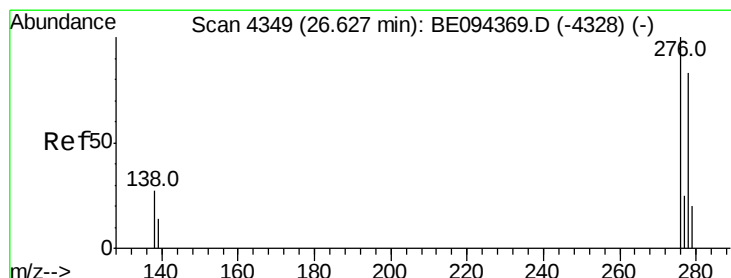
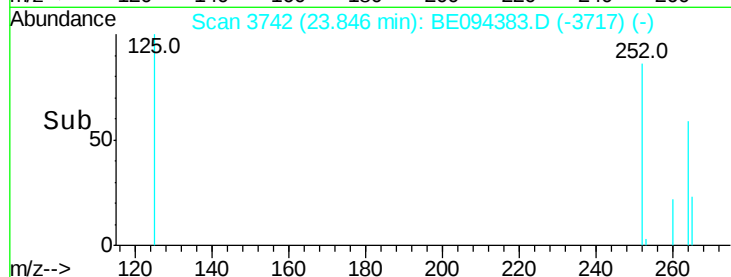
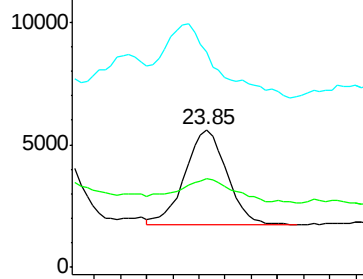
252 100

253 64.3 28.5 42.7#

125 156.7 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: 0.161 ng/ul

RT: 26.65 min Scan# 4353

Delta R.T. 0.02 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

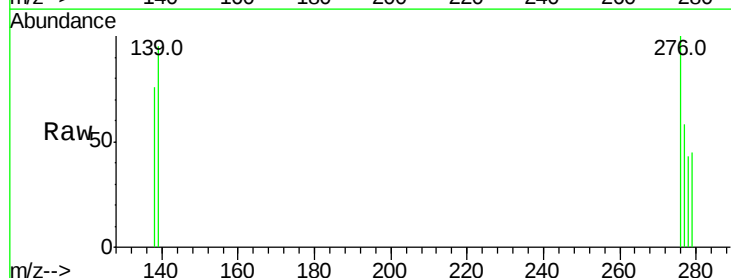
Tgt Ion:276 Resp: 5545

Ion Ratio Lower Upper

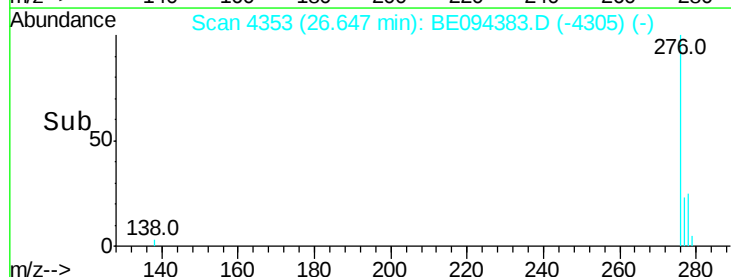
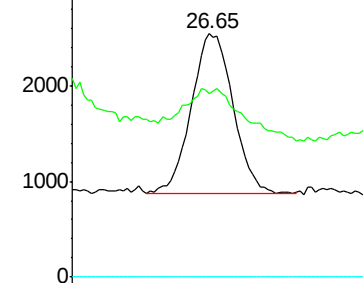
276 100

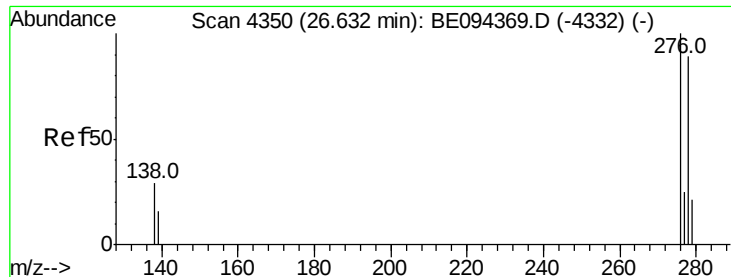
138 45.4 28.0 42.0#

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: 0.059 ng/ul

RT: 26.65 min Scan# 4353

Delta R.T. 0.02 min

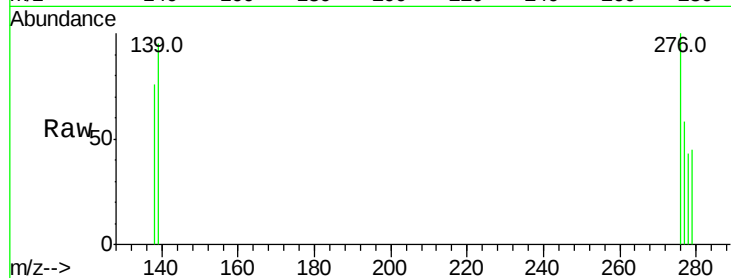
Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

Instrument :

BNA_E

ClientSampleId :



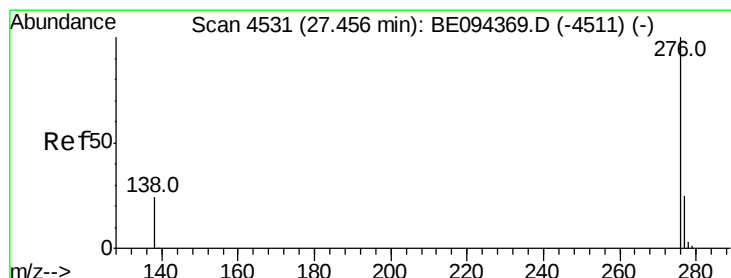
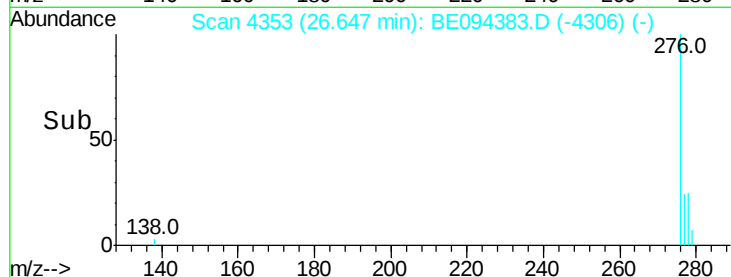
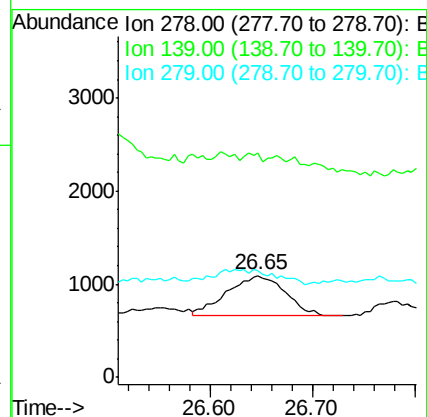
Tot Ion:278 Resp: 1705

Ion Ratio Lower Upper

278 100

139 219.8 17.4 26.0#

279 105.0 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.208 ng/ul

RT: 27.49 min Scan# 4538

Delta R.T. 0.03 min

Lab File: BE094383.D

Acq: 15 Oct 2017 8:15

Tgt Ion:276 Resp: 6189

Ion Ratio Lower Upper

276 100

138 70.6 21.8 32.8#

277 55.8 20.5 30.7#

