

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102017\
 Data File : BE094482.D
 Acq On : 20 Oct 2017 19:42
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 22 02:48:06 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 17:51:02 2017
 Response via : Initial Calibration

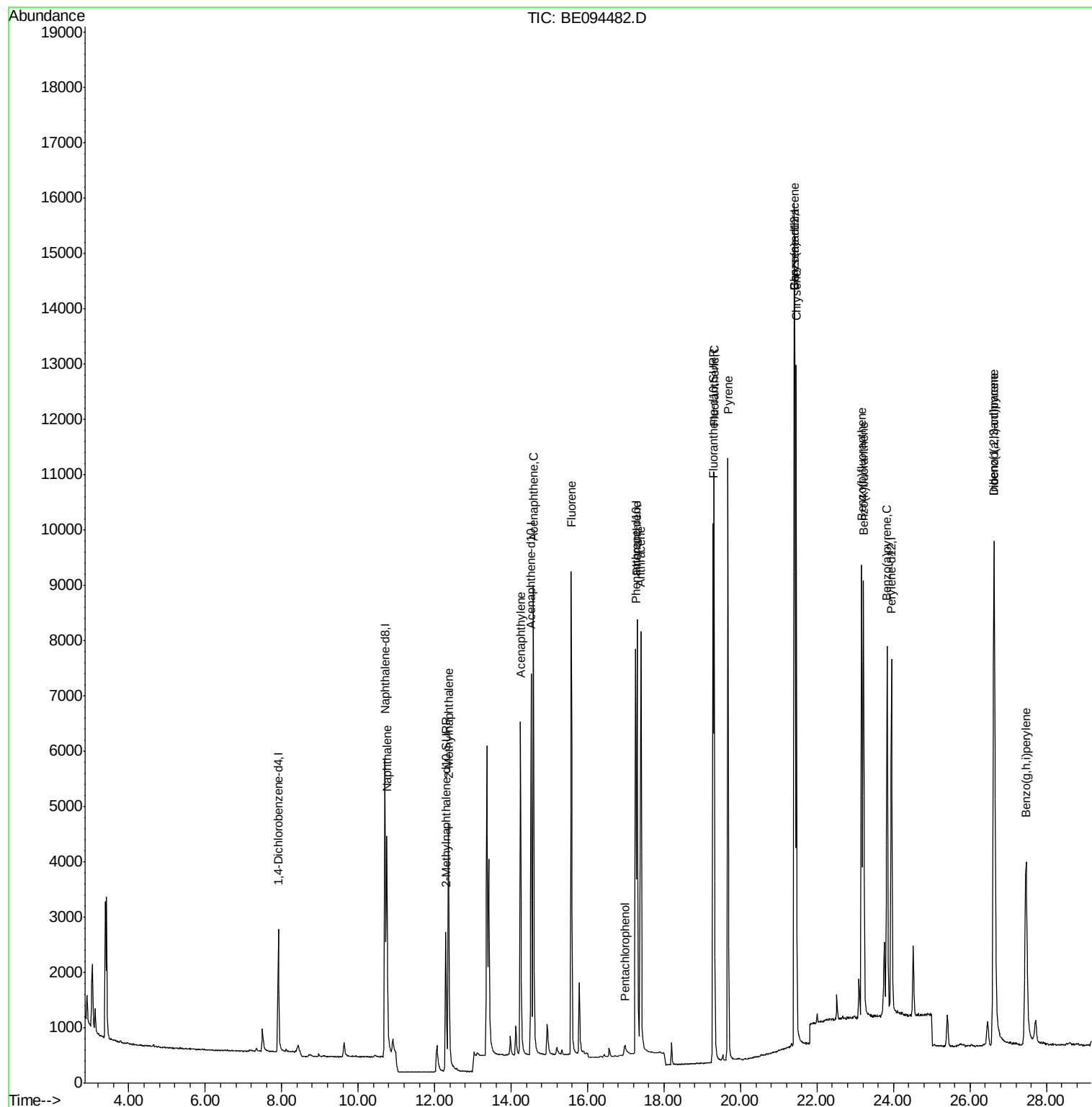
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1362	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	7727	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4513	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10327	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	10849	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	10600	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	4938	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	12443	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	7480	0.395	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	5265	0.429	ng/ul	98
7) Acenaphthylene	14.24	152	8407	0.478	ng/ul	97
8) Acenaphthene	14.58	153	5880	0.406	ng/ul	98
9) Fluorene	15.58	166	6705	0.395	ng/ul	92
11) Pentachlorophenol	16.98	266	426	0.352	ng/ul	94
12) Phenanthrene	17.29	178	11112	0.412	ng/ul#	86
13) Anthracene	17.39	178	10802	0.412	ng/ul#	92
15) Fluoranthene	19.31	202	12793	0.361	ng/ul	85
17) Pyrene	19.67	202	13596	0.450	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	12768	0.444	ng/ul#	86
19) Chrysene	21.46	228	12392	0.373	ng/ul	98
21) Benzo(b)fluoranthene	23.17	252	11999	0.417	ng/ul	89
22) Benzo(k)fluoranthene	23.22	252	12283	0.369	ng/ul	91
23) Benzo(a)pyrene	23.83	252	11547	0.386	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.63	276	12750	0.417	ng/ul#	83
25) Dibenzo(a,h)anthracene	26.63	278	10860	0.423	ng/ul	94
26) Benzo(g,h,i)perylene	27.47	276	10035	0.380	ng/ul	97

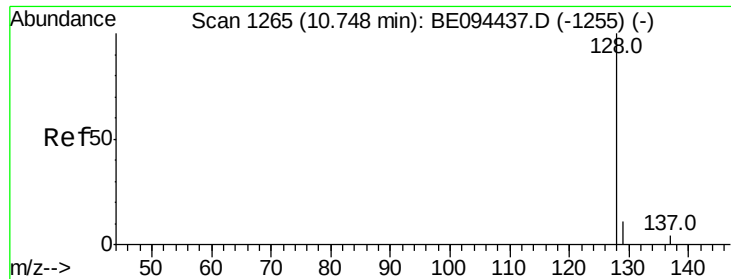
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.395 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

Instrument :

BNA_E

ClientSampleId :

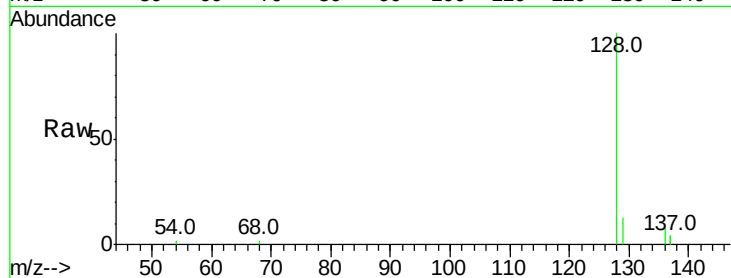
Tot Ion:128 Resp: 7480

Ion Ratio Lower Upper

128 100

129 12.5 11.3 16.9

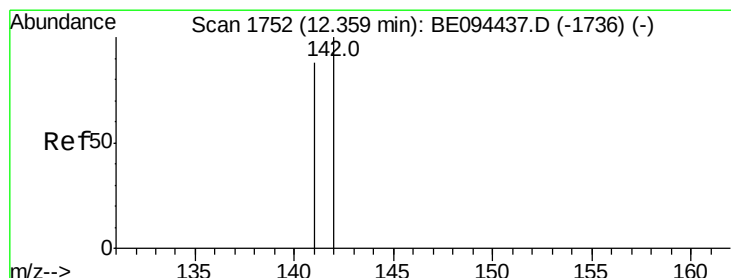
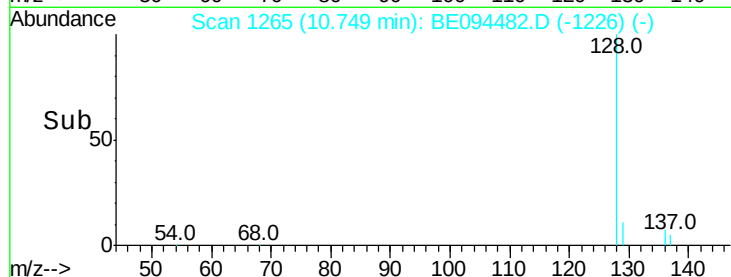
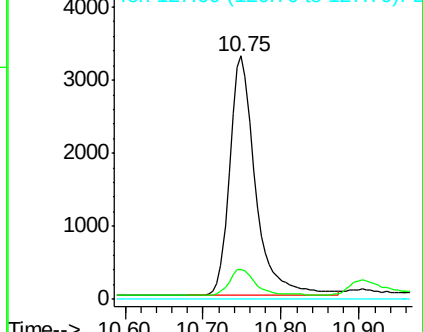
127 0.0 4.0 6.0#



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: 0.429 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE094482.D

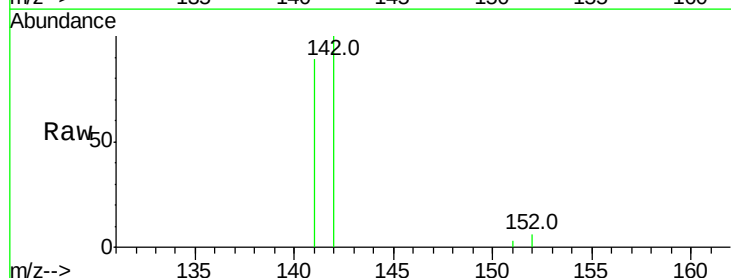
Acq: 20 Oct 2017 19:42

Tgt Ion:142 Resp: 5265

Ion Ratio Lower Upper

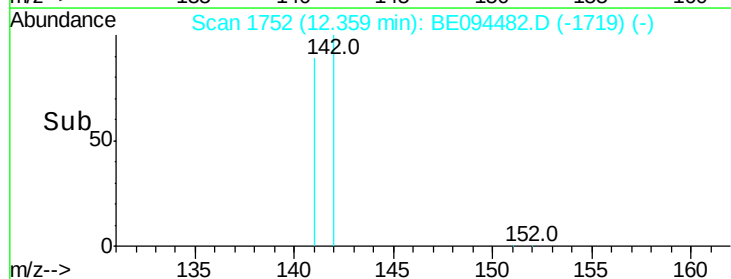
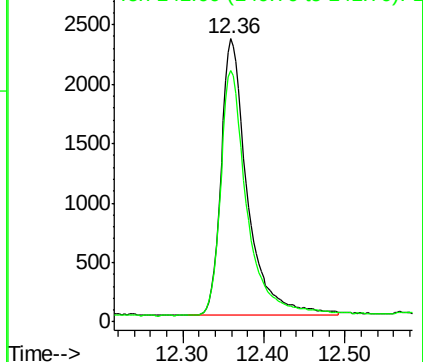
142 100

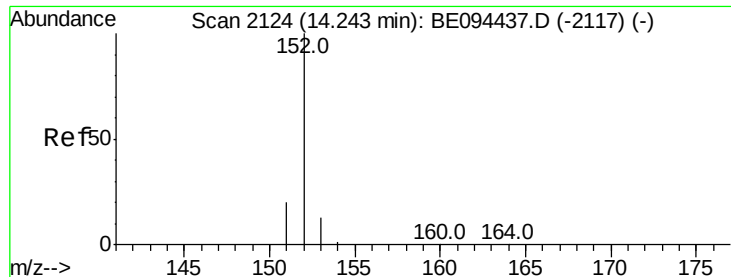
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.478 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

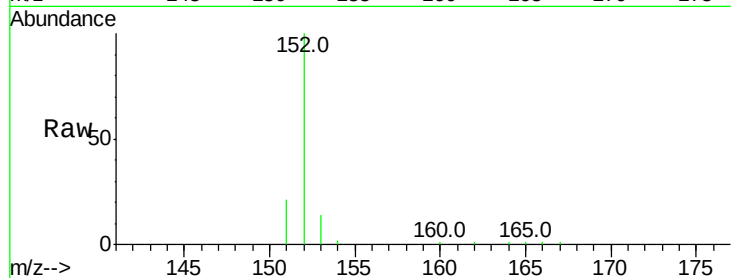
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 8407

Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.1	25.7
153	13.9	12.8	19.2

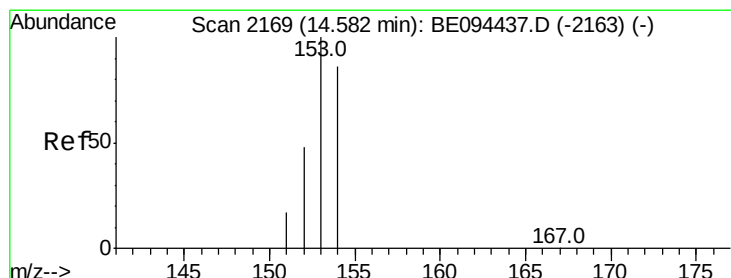
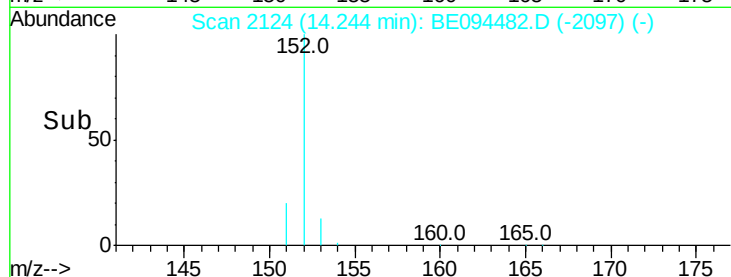
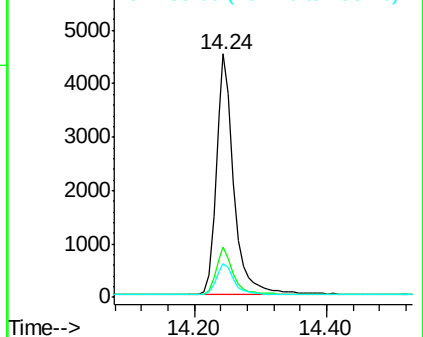


Abundance

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: 0.406 ng/ul

RT: 14.58 min Scan# 2169

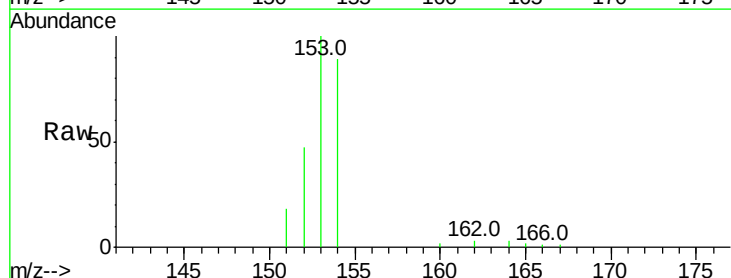
Delta R.T. 0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

Tgt Ion:153 Resp: 5880

Ion	Ratio	Lower	Upper
153	100		
152	47.2	40.3	60.5
154	89.3	71.4	107.2

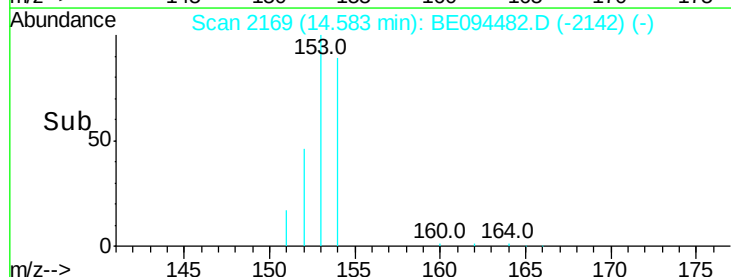
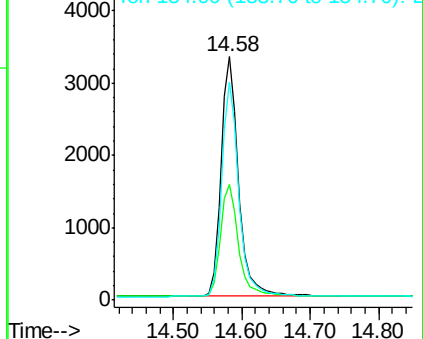


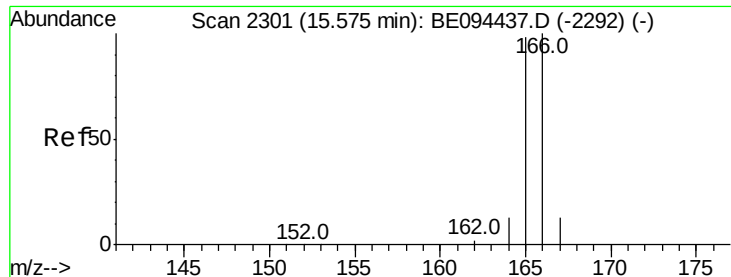
Abundance

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: 0.395 ng/ul

RT: 15.58 min Scan# 2301

Delta R.T. 0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

Instrument :

BNA_E

ClientSampleId :

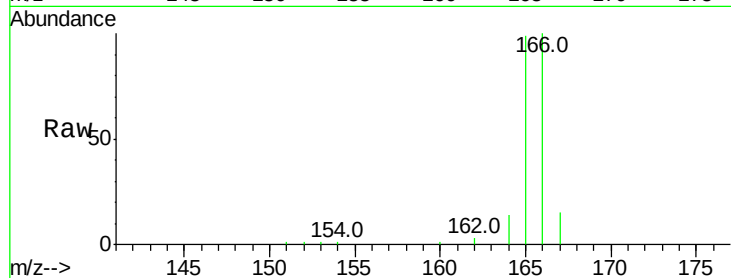
Tot Ion:166 Resp: 6705

Ion Ratio Lower Upper

166 100

165 98.9 73.4 110.2

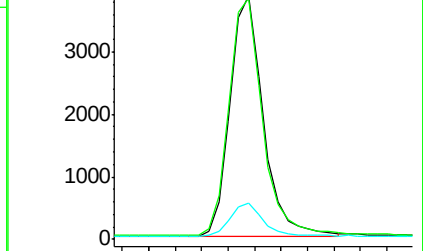
167 14.7 14.6 22.0



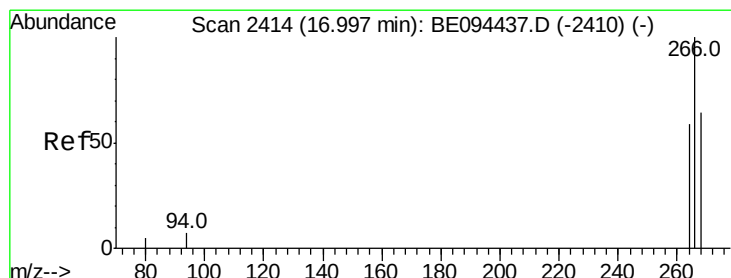
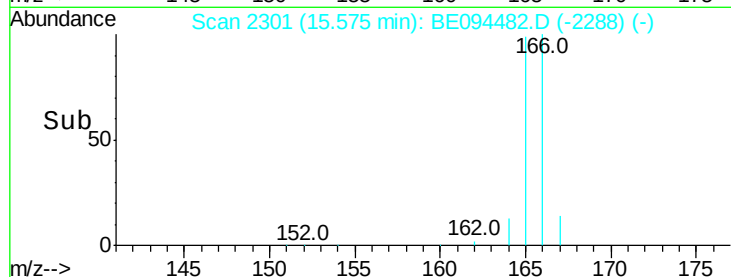
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.352 ng/ul

RT: 16.98 min Scan# 2413

Delta R.T. -0.02 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

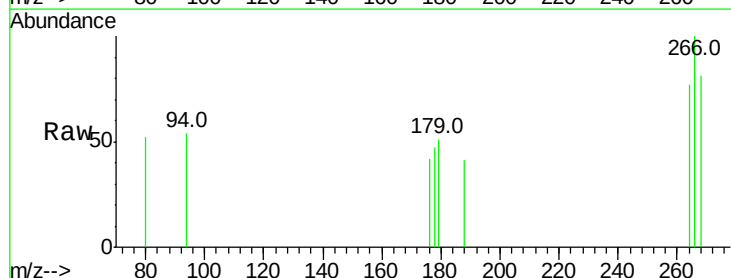
Tgt Ion:266 Resp: 426

Ion Ratio Lower Upper

266 100

264 62.9 47.9 71.9

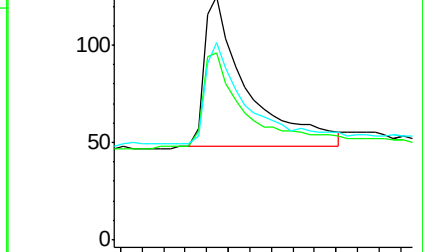
268 68.5 49.8 74.8



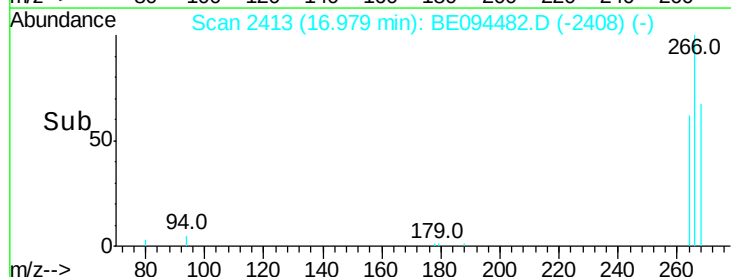
Abundance Ion 266.00 (265.70 to 266.70): E

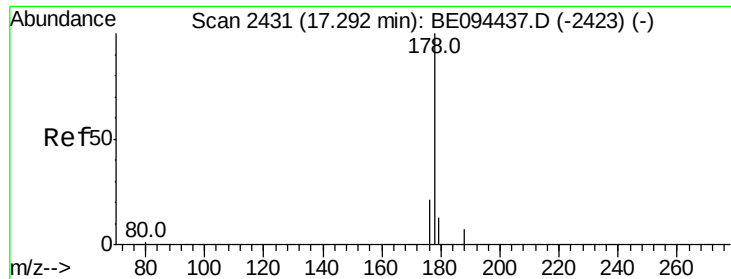
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.412 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

Instrument :

BNA_E

ClientSampleId :

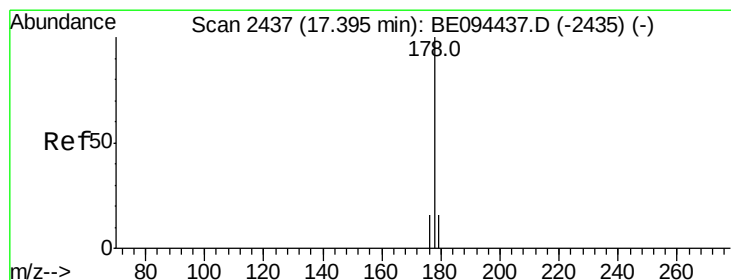
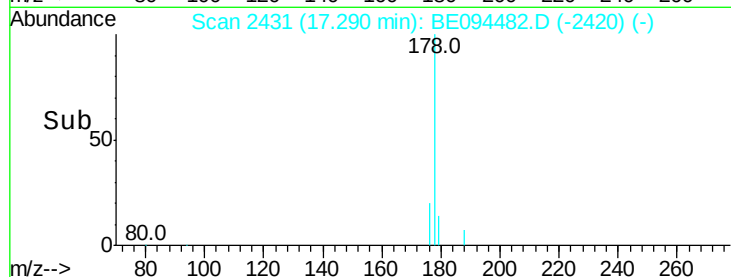
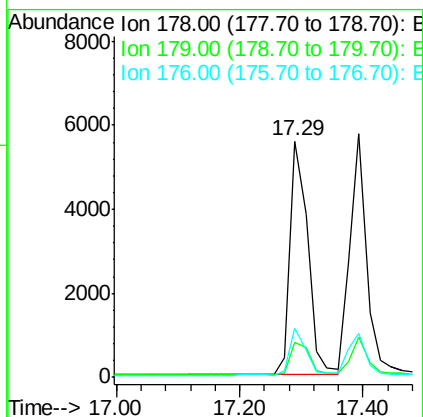
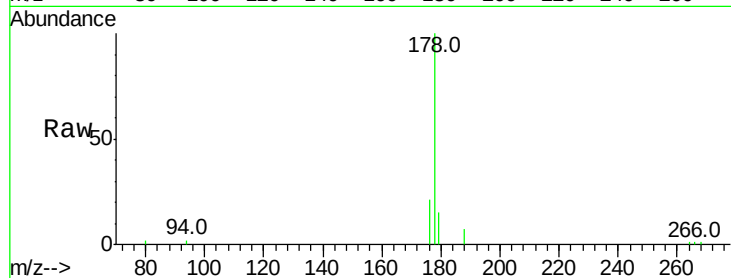
Tot Ion:178 Resp: 11112

Ion Ratio Lower Upper

178 100

179 14.7 18.4 27.6#

176 20.9 13.6 20.4#



#13

Anthracene

Concen: 0.412 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

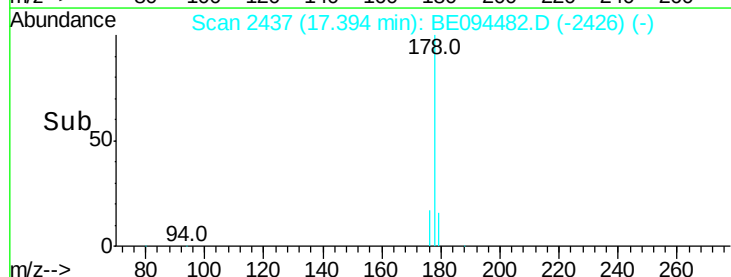
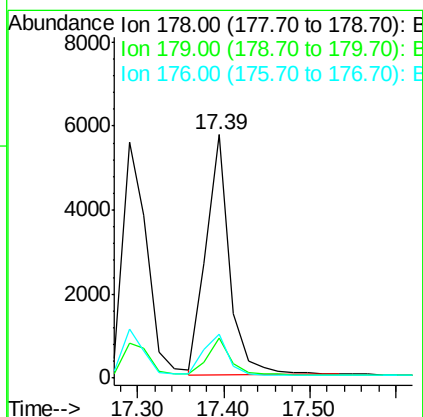
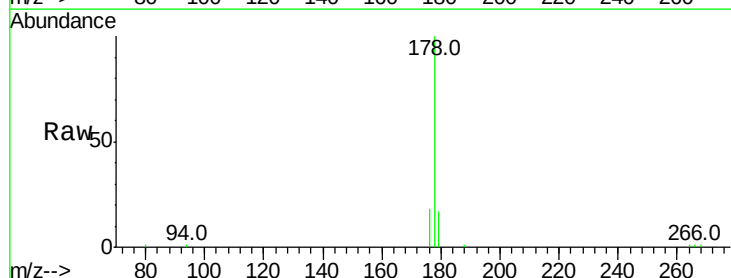
Tgt Ion:178 Resp: 10802

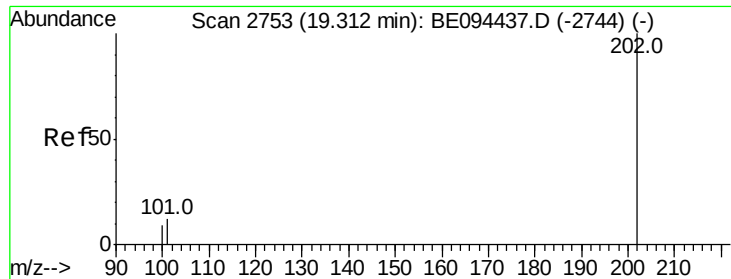
Ion Ratio Lower Upper

178 100

179 16.6 18.1 27.1#

176 17.8 14.7 22.1





#15

Fluoranthene

Concen: 0.361 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

Instrument :

BNA_E

ClientSampleId :

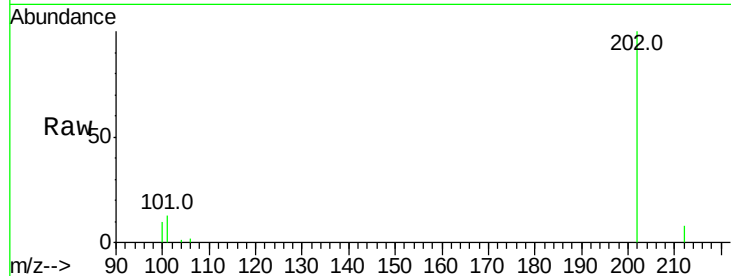
Tot Ion:202 Resp: 12793

Ion Ratio Lower Upper

202 100

101 12.8 0.0 30.3

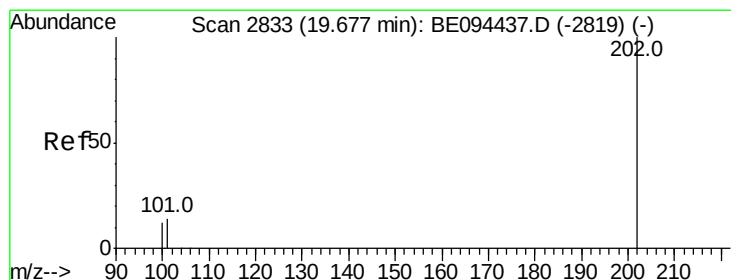
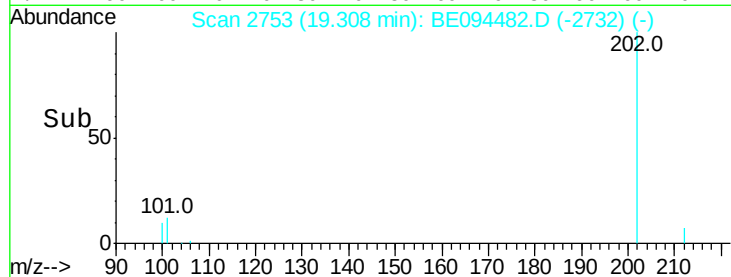
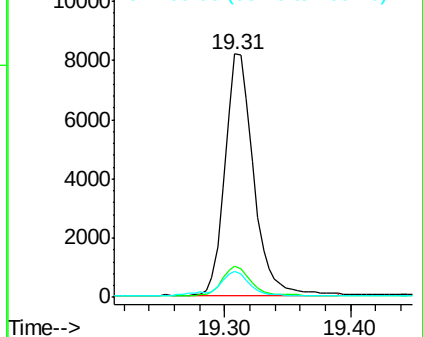
100 10.5 0.0 39.5



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: 0.450 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

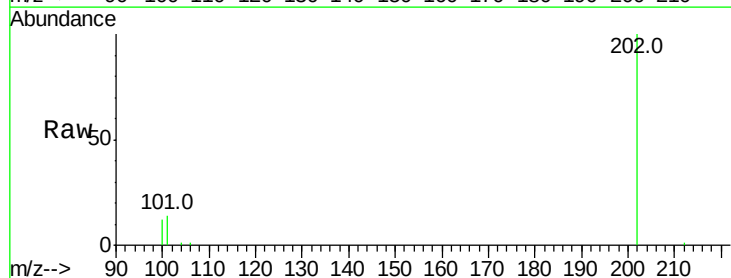
Tgt Ion:202 Resp: 13596

Ion Ratio Lower Upper

202 100

101 13.6 18.2 27.4#

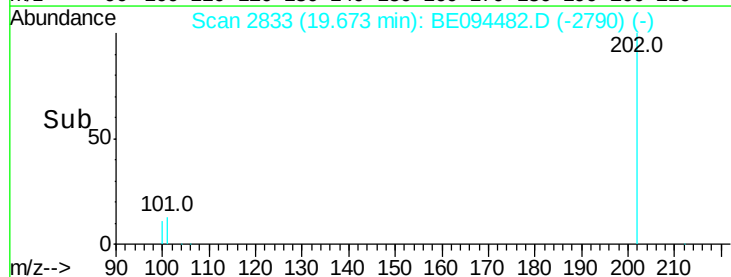
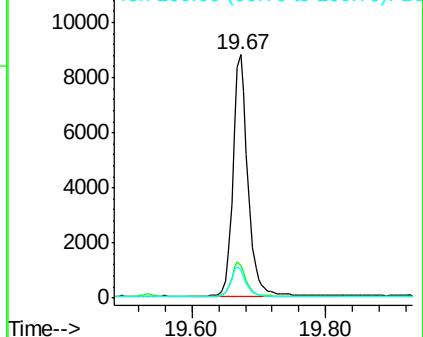
100 11.7 15.6 23.4#

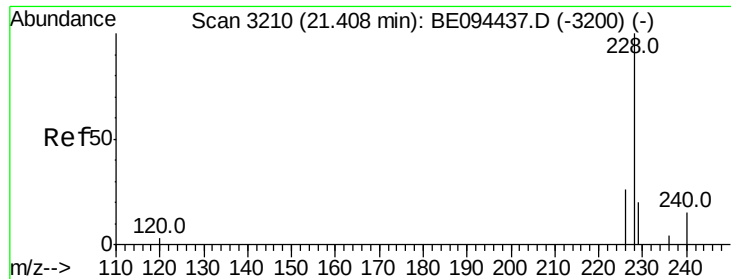


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.444 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

Instrument :

BNA_E

ClientSampleId :

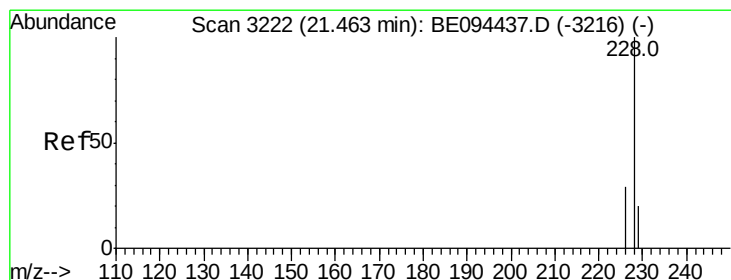
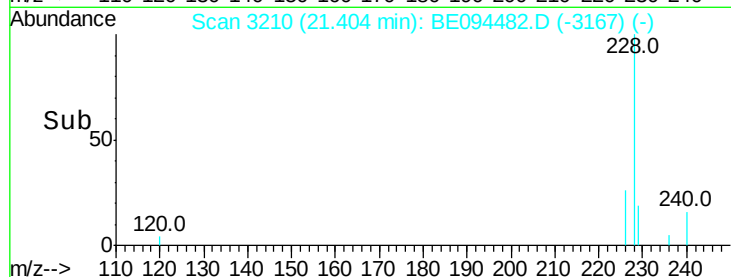
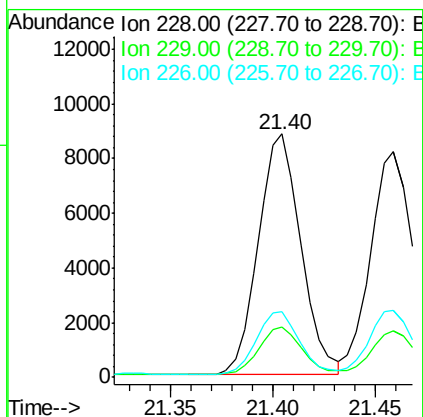
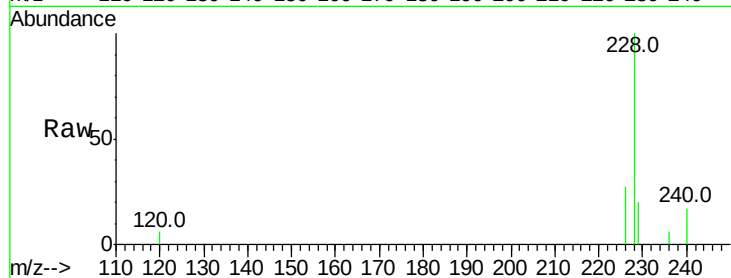
Tot Ion:228 Resp: 12768

Ion Ratio Lower Upper

228 100

229 20.5 22.8 34.2#

226 26.8 17.0 25.6#



#19

Chrysene

Concen: 0.373 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

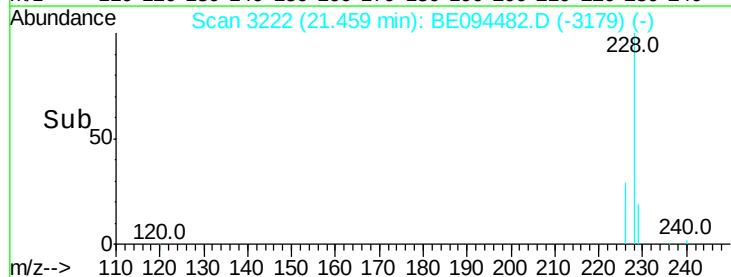
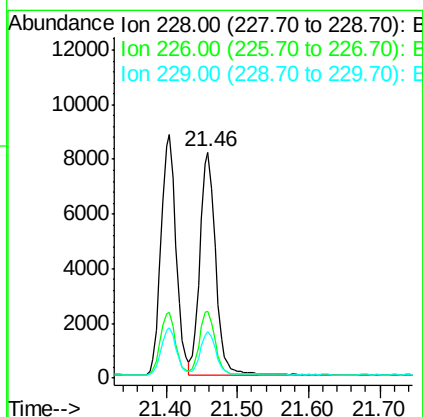
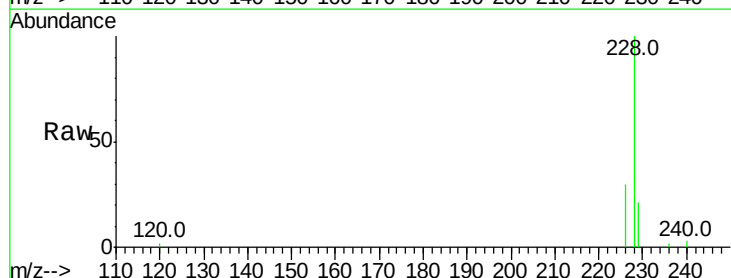
Tgt Ion:228 Resp: 12392

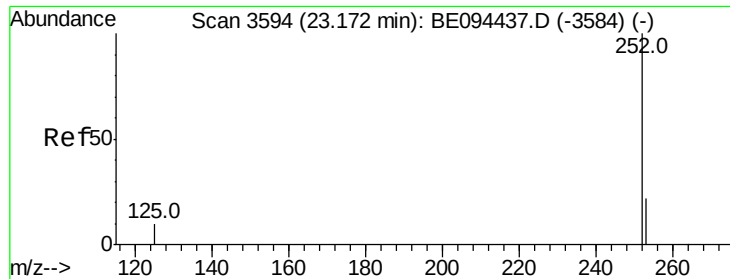
Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.0

229 20.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.417 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

Instrument :

BNA_E

ClientSampleId :

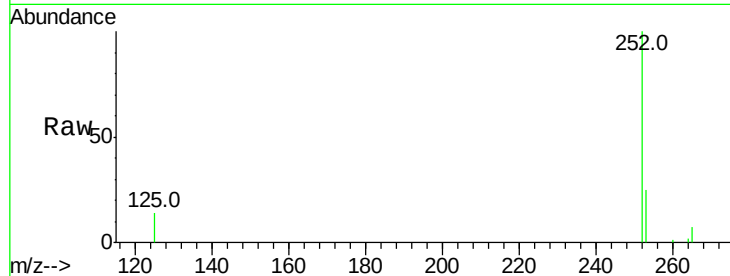
Tot Ion:252 Resp: 11999

Ion Ratio Lower Upper

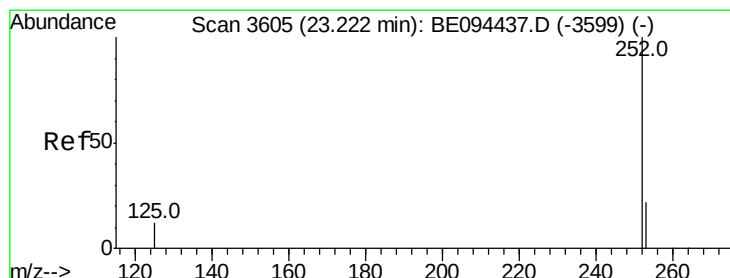
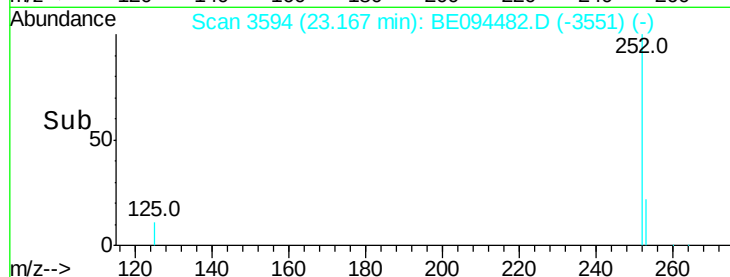
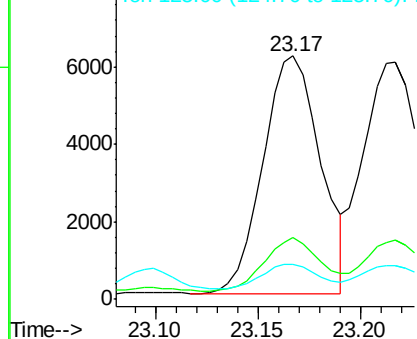
252 100

253 25.1 0.0 64.2

125 14.3 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: 0.369 ng/ul

RT: 23.22 min Scan# 3605

Delta R.T. -0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

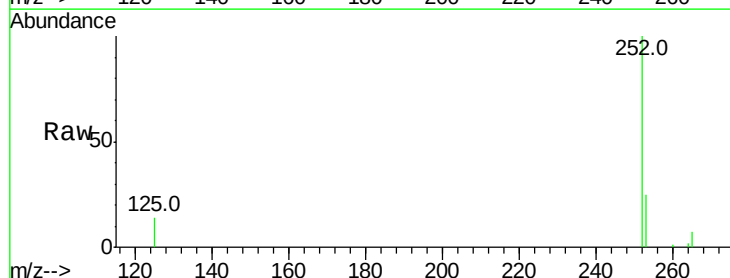
Tgt Ion:252 Resp: 12283

Ion Ratio Lower Upper

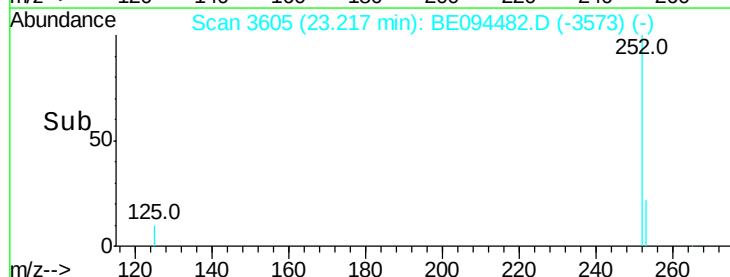
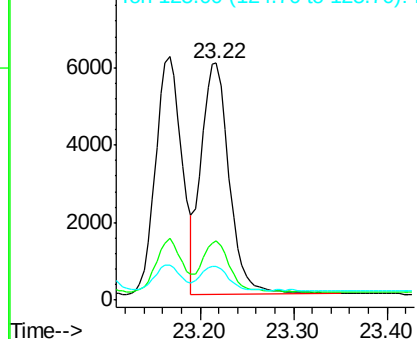
252 100

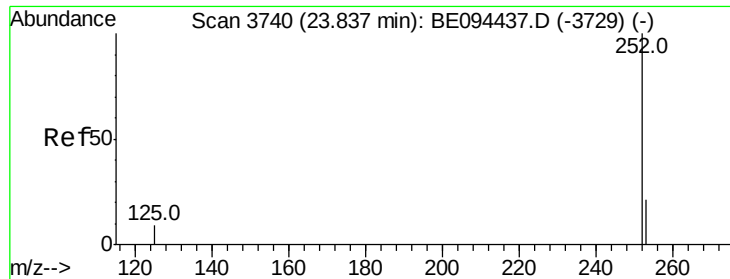
253 24.8 24.5 36.7

125 14.3 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: 0.386 ng/ul

RT: 23.83 min Scan# 3740

Delta R.T. -0.00 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

Instrument :

BNA_E

ClientSampleId :

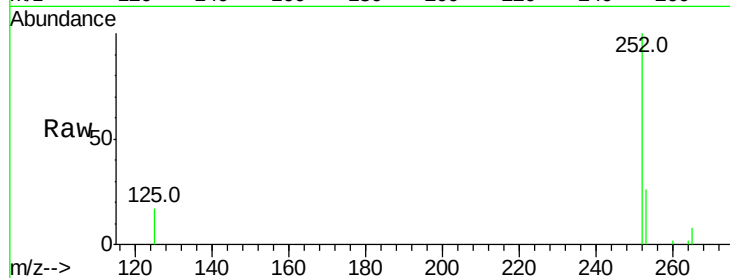
Tot Ion:252 Resp: 11547

Ion Ratio Lower Upper

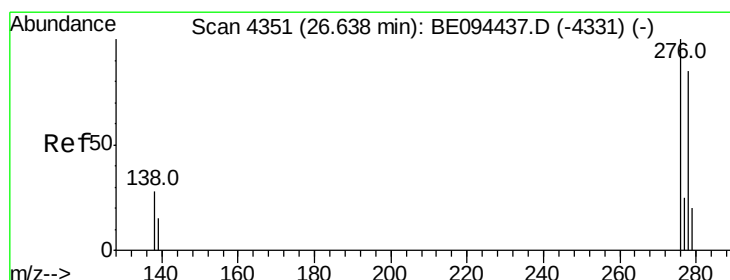
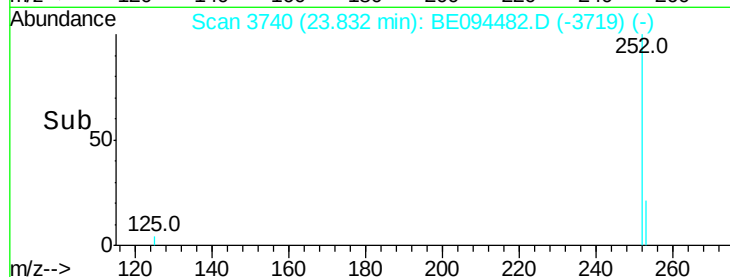
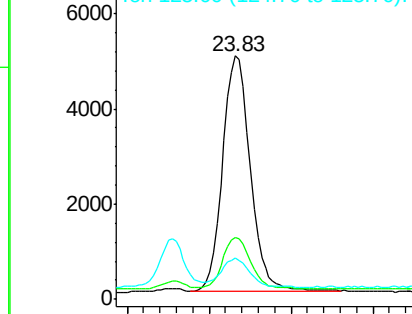
252 100

253 25.7 28.5 42.7#

125 17.2 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: 0.417 ng/ul

RT: 26.63 min Scan# 4351

Delta R.T. -0.01 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

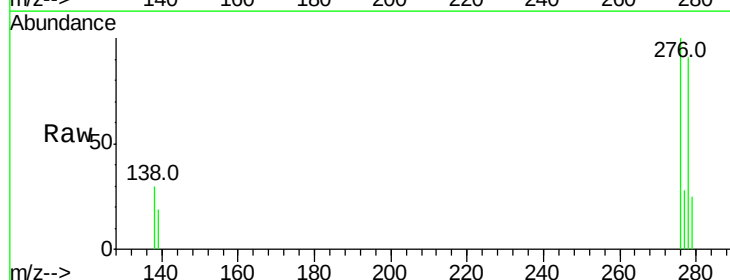
Tgt Ion:276 Resp: 12750

Ion Ratio Lower Upper

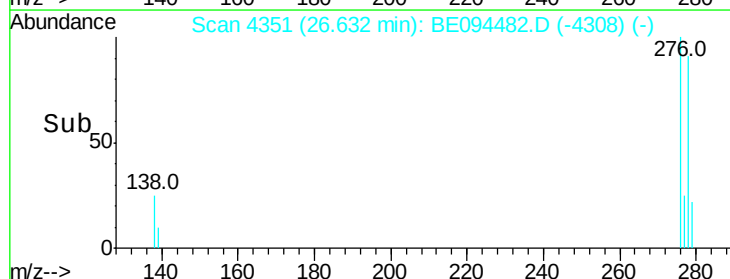
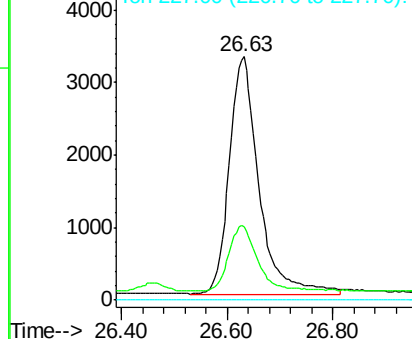
276 100

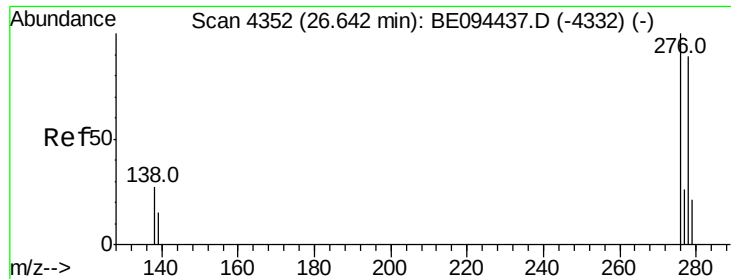
138 27.0 28.0 42.0#

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: 0.423 ng/ul

RT: 26.63 min Scan# 4351

Delta R.T. -0.01 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

Instrument :

BNA_E

ClientSampleId :

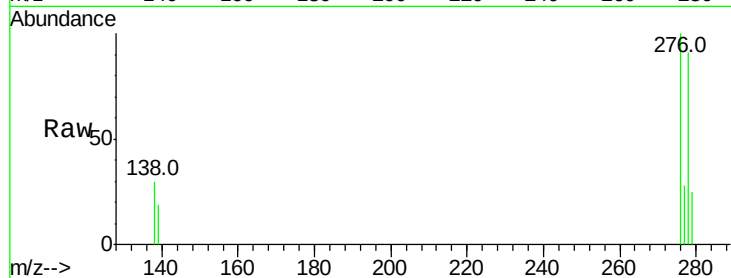
Tot Ion:278 Resp: 10860

Ion Ratio Lower Upper

278 100

139 21.3 17.4 26.0

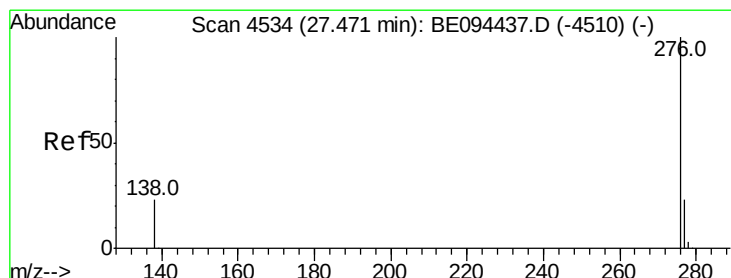
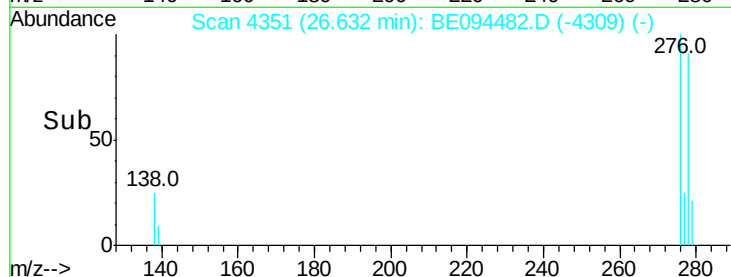
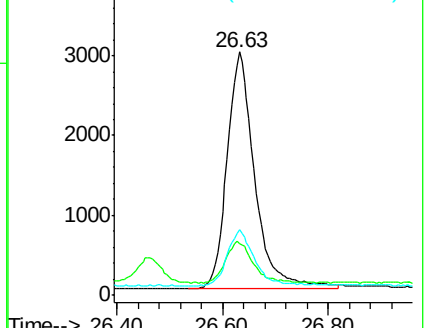
279 27.1 25.9 38.9



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(g,h,i)perylene

Concen: 0.380 ng/ul

RT: 27.47 min Scan# 4534

Delta R.T. -0.01 min

Lab File: BE094482.D

Acq: 20 Oct 2017 19:42

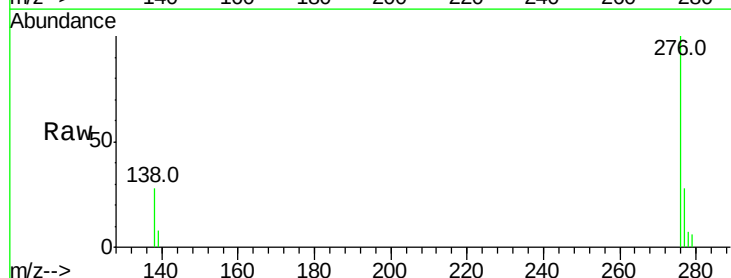
Tgt Ion:276 Resp: 10035

Ion Ratio Lower Upper

276 100

138 28.1 21.8 32.8

277 27.6 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

