

Data File : BE093318.D
Acq On : 21 Jun 2017 16:42
Operator : SJ/JU
Sample : I3627-14DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5E25DL

Quant Time: Jun 22 02:12:19 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 22 02:10:17 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1652	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	9023	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5504	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13702	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13818	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	12480	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	621	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1658	0.04	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	4214	0.19	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	485	0.03	ng/ul	98
7) Acenaphthylene	14.09	152	2750	0.12	ng/ul	99
8) Acenaphthene	14.42	153	262	0.01	ng/ul#	90
9) Fluorene	15.42	166	292	0.01	ng/ul#	91
12) Phenanthrene	17.14	178	1939	0.05	ng/ul	93
13) Anthracene	17.14	178	1918	0.06	ng/ul	95
15) Fluoranthene	19.15	202	26976	0.58	ng/ul	84
17) Pyrene	19.51	202	35530	0.87	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	18055	0.49	ng/ul#	85
19) Chrysene	21.29	228	19668	0.51	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	36492	0.96	ng/ul	88
22) Benzo(k)fluoranthene	22.93	252	36492	0.91	ng/ul#	90
23) Benzo(a)pyrene	23.55	252	14032	0.39	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.17	276	7931	0.19	ng/ul#	89
25) Dibenzo(a,h)anthracene	26.19	278	2228	0.06	ng/ul#	76
26) Benzo(g,h,i)perylene	26.95	276	5139	0.14	ng/ul	94

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

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ALS Vial : 12 Sample Multiplier: 1

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BNA_E

ClientSampleId :

F5E25DL

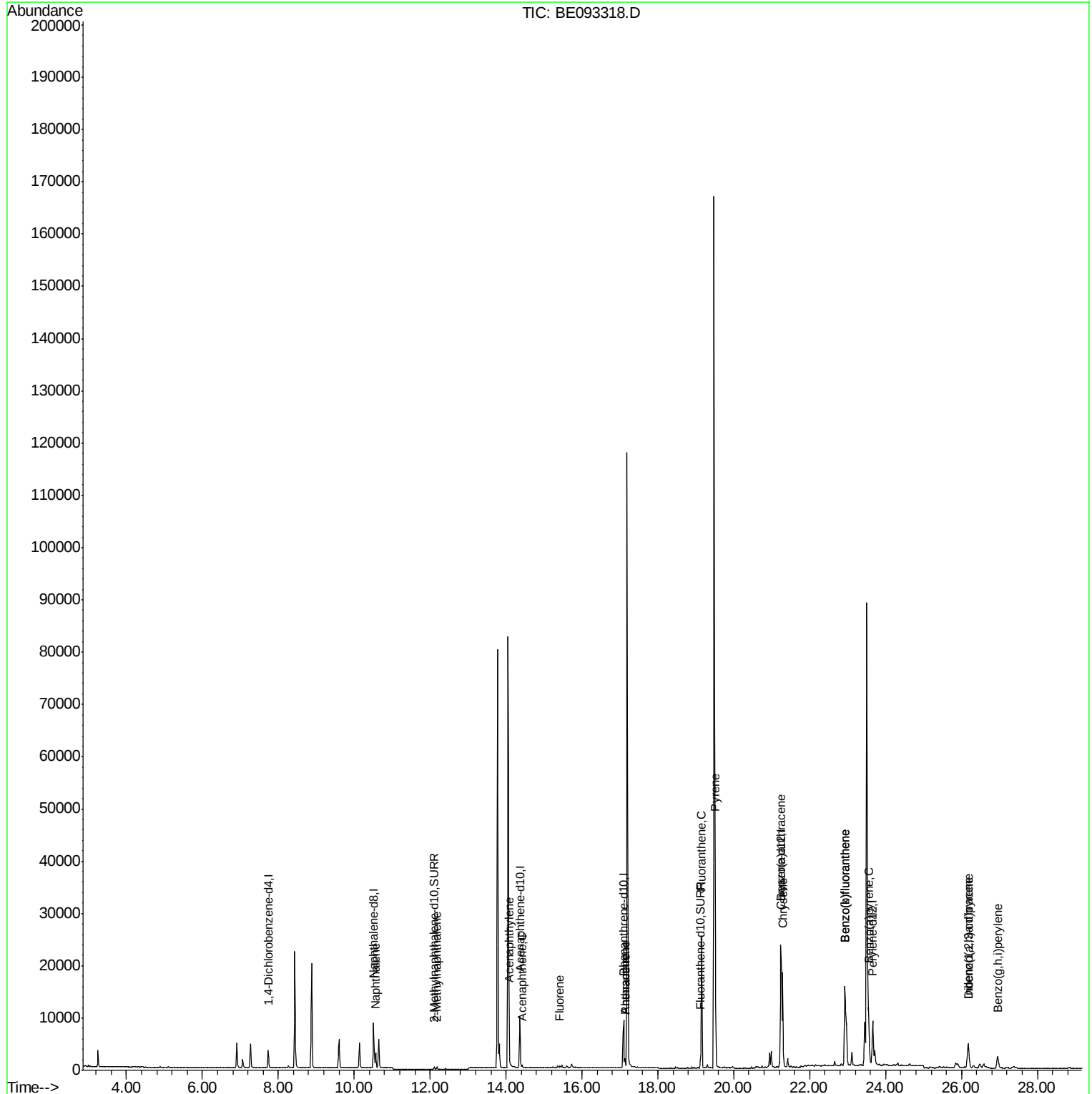
Quant Time: Jun 22 02:12:19 2017

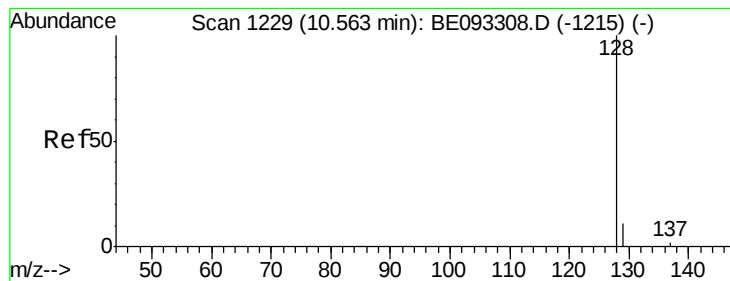
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 22 02:10:17 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.19 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

Instrument :

BNA_E

ClientSampleId :

F5E25DL

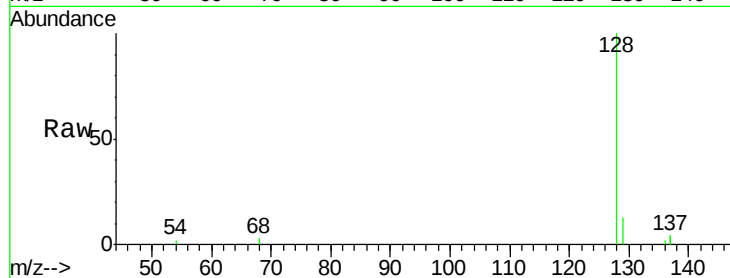
Tgt Ion:128 Resp: 4214

Ion Ratio Lower Upper

128 100

129 12.6 11.3 16.9

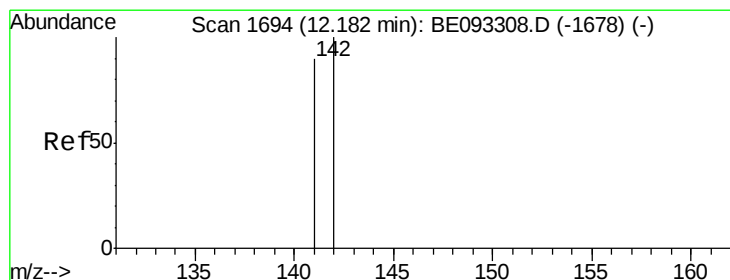
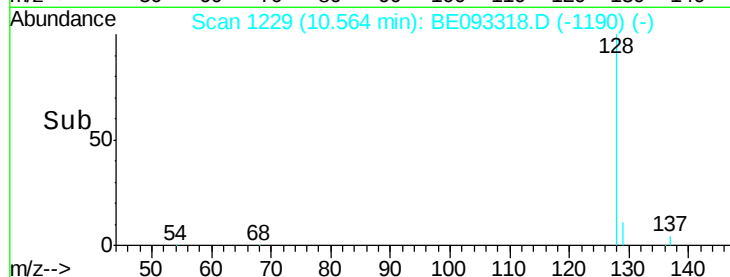
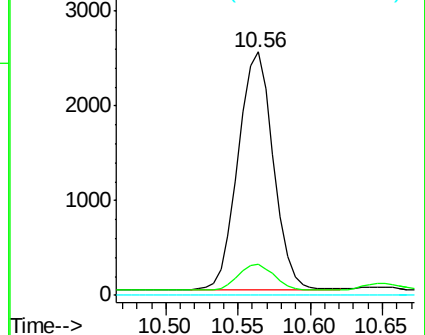
127 0.0 4.0 6.0#



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: 0.03 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093318.D

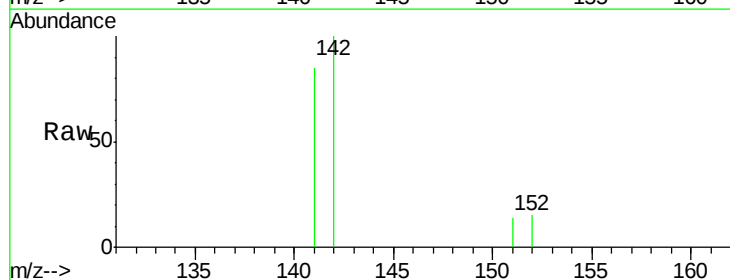
Acq: 21 Jun 2017 16:42

Tgt Ion:142 Resp: 485

Ion Ratio Lower Upper

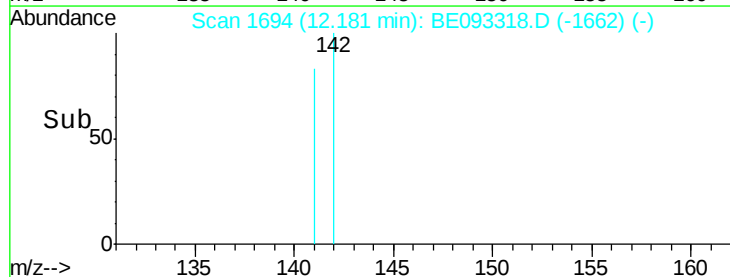
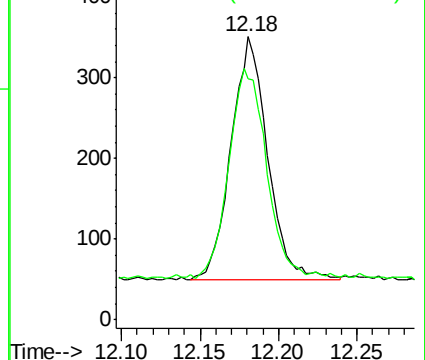
142 100

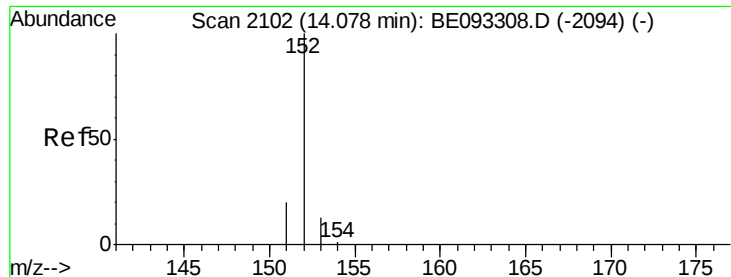
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

Instrument :

BNA_E

ClientSampleId :

F5E25DL

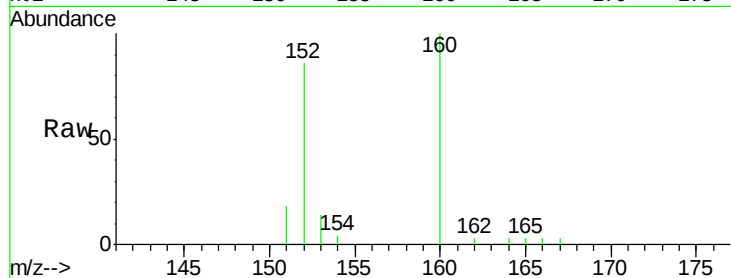
Tgt Ion:152 Resp: 2750

Ion Ratio Lower Upper

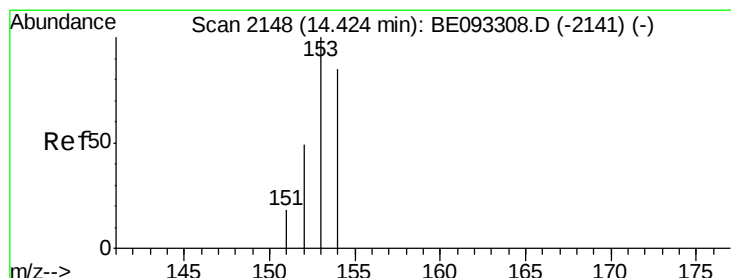
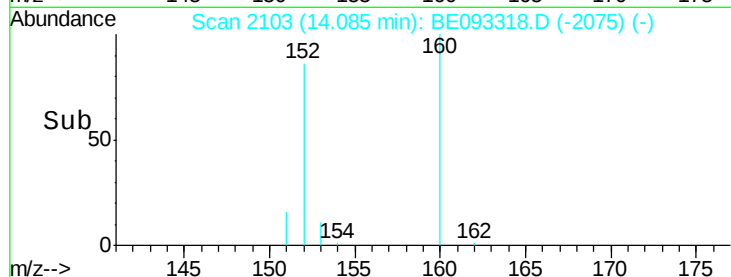
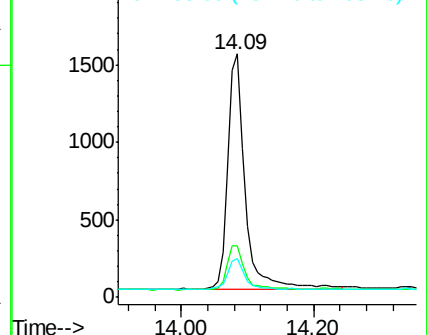
152 100

151 20.9 17.1 25.7

153 16.0 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: 0.01 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

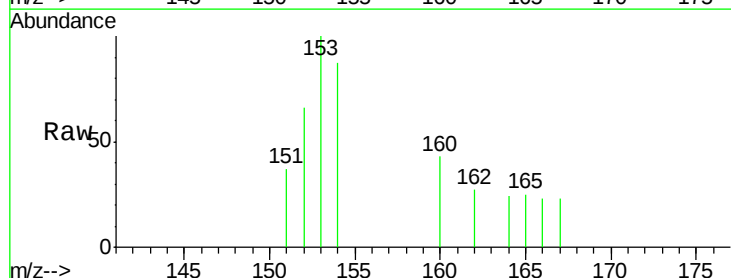
Tgt Ion:153 Resp: 262

Ion Ratio Lower Upper

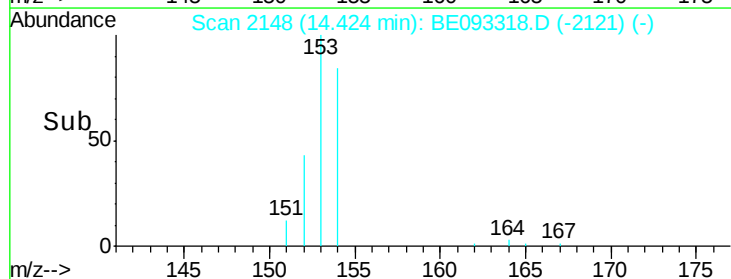
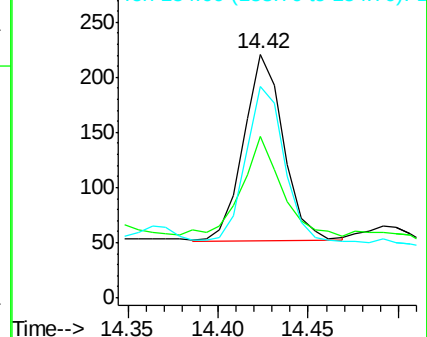
153 100

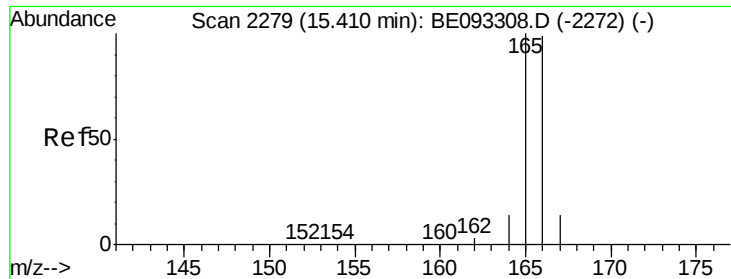
152 66.1 40.3 60.5#

154 86.9 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: 0.01 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

Instrument :

BNA_E

ClientSampleId :

F5E25DL

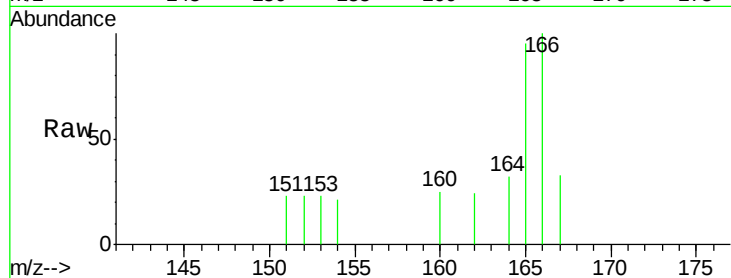
Tgt Ion:166 Resp: 292

Ion Ratio Lower Upper

166 100

165 95.3 73.4 110.2

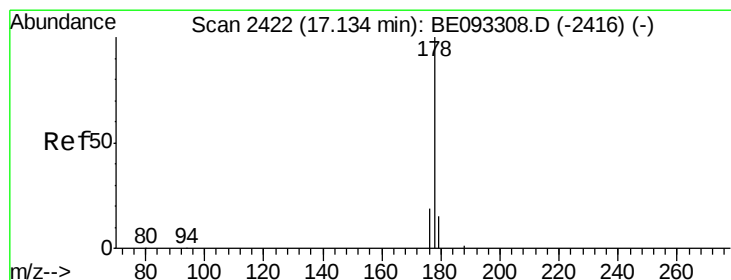
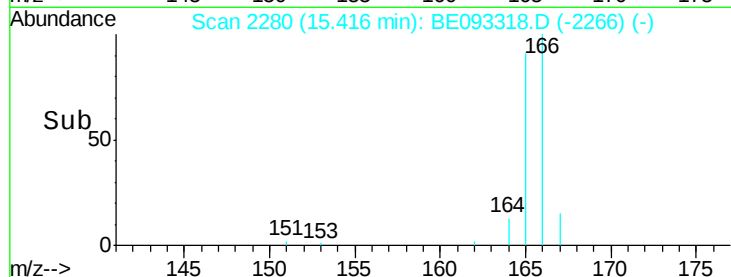
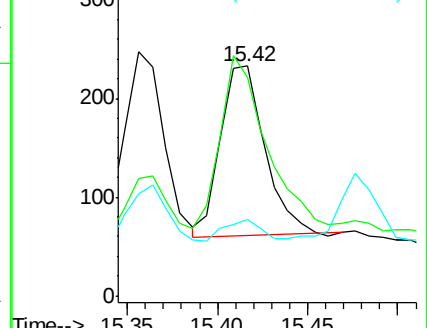
167 33.0 14.6 22.0#



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



#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

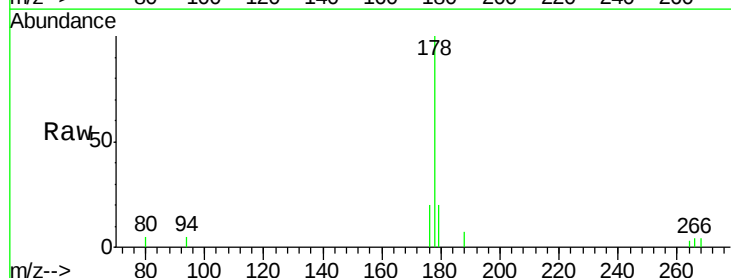
Tgt Ion:178 Resp: 1939

Ion Ratio Lower Upper

178 100

179 20.0 18.4 27.6

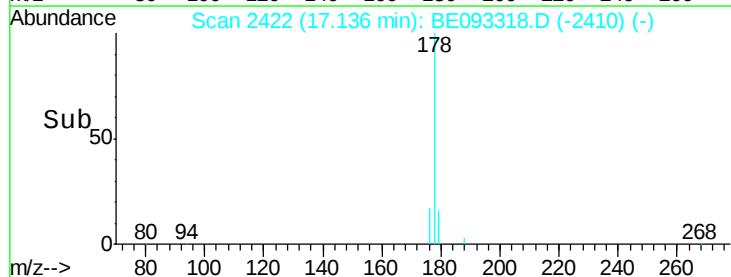
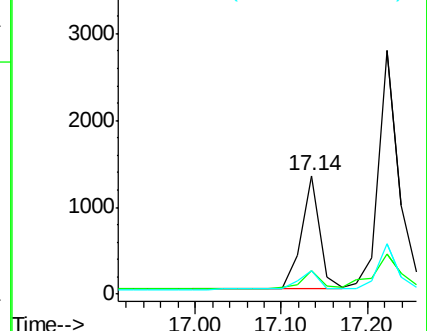
176 20.0 13.6 20.4

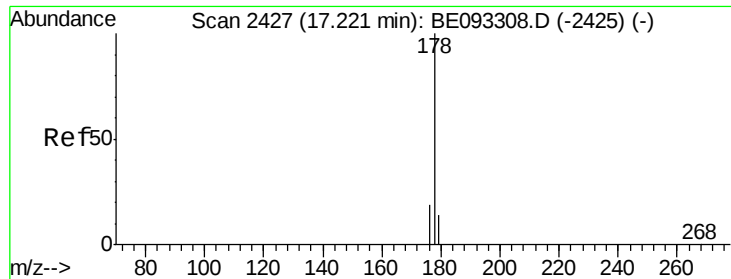


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.06 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.09 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

Instrument :

BNA_E

ClientSampleId :

F5E25DL

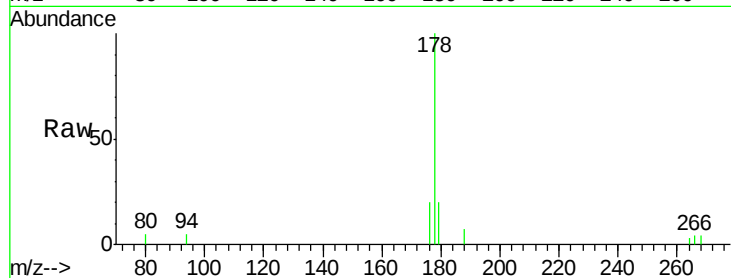
Tgt Ion:178 Resp: 1918

Ion Ratio Lower Upper

178 100

179 20.0 18.1 27.1

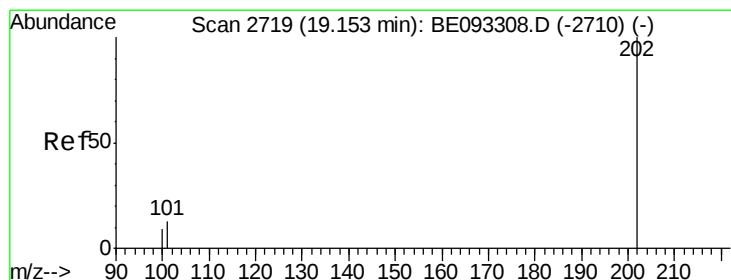
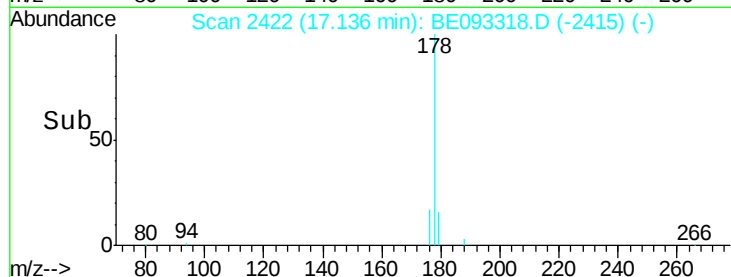
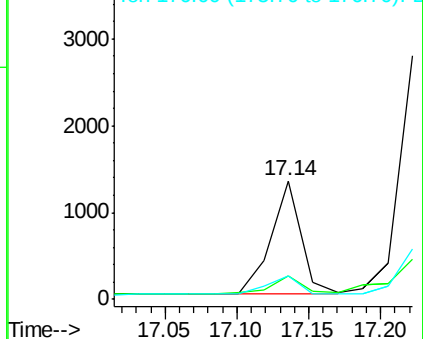
176 20.0 14.7 22.1



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: 0.58 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

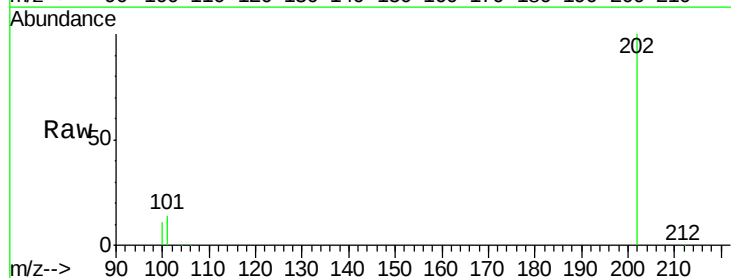
Tgt Ion:202 Resp: 26976

Ion Ratio Lower Upper

202 100

101 14.4 0.0 30.3

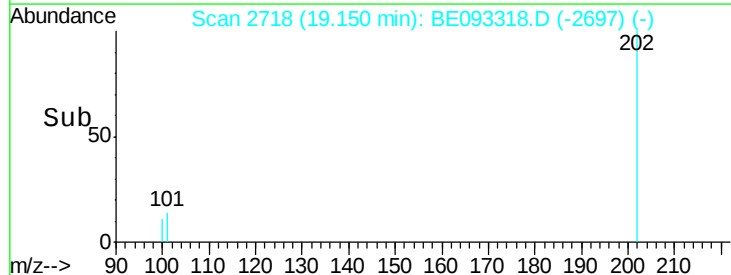
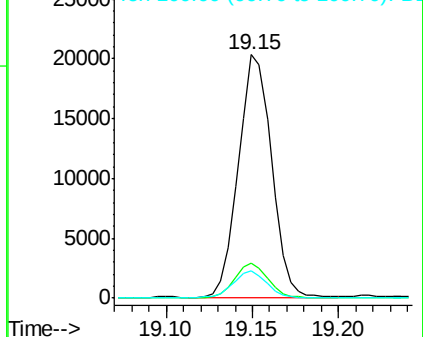
100 11.1 0.0 39.5

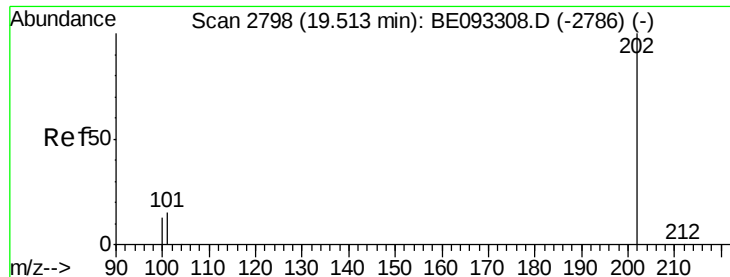


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

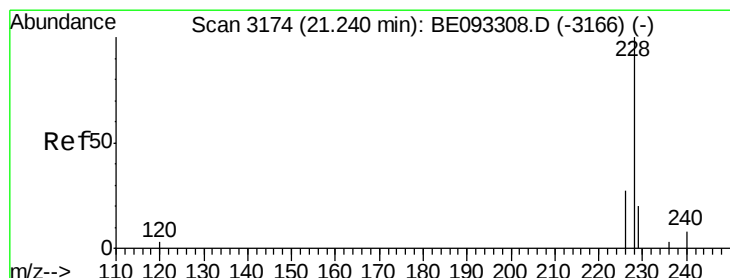
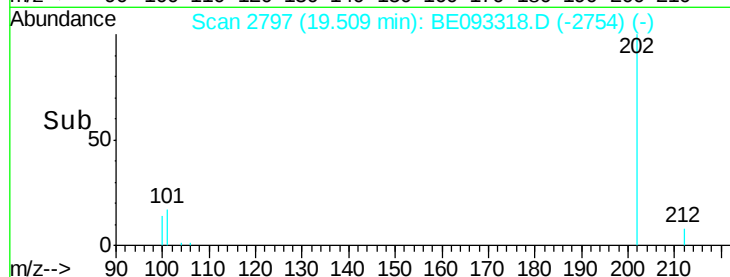
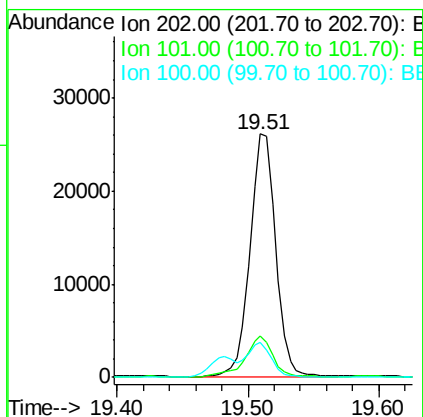
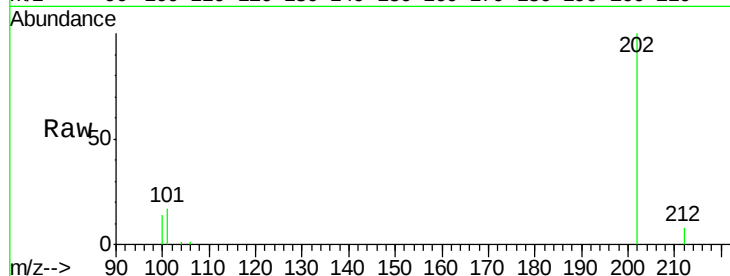




#17
Pyrene
 Concen: 0.87 ng/ul
 RT: 19.51 min Scan# 2797
 Delta R.T. -0.00 min
 Lab File: BE093318.D
 Acq: 21 Jun 2017 16:42

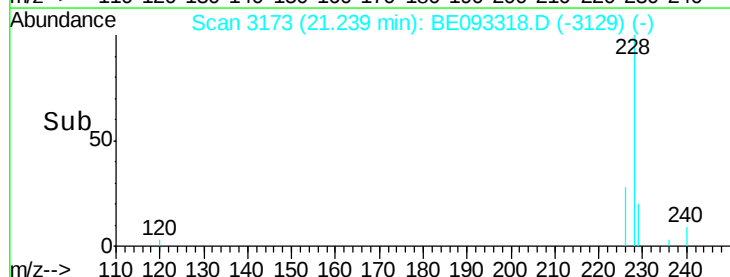
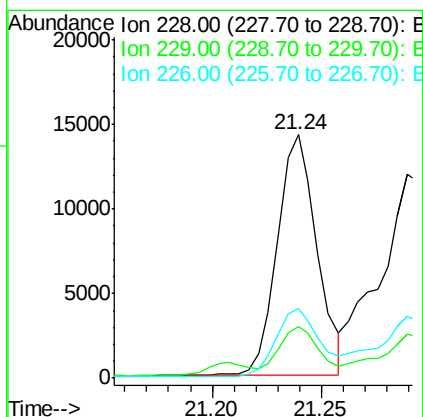
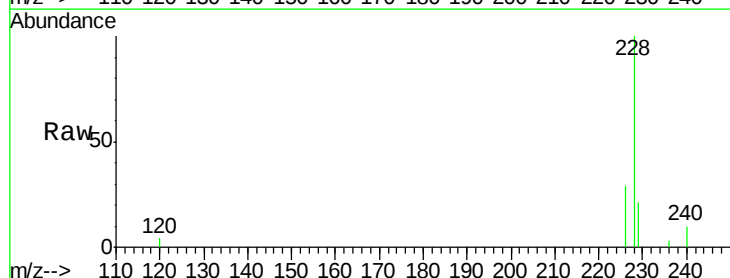
Instrument :
 BNA_E
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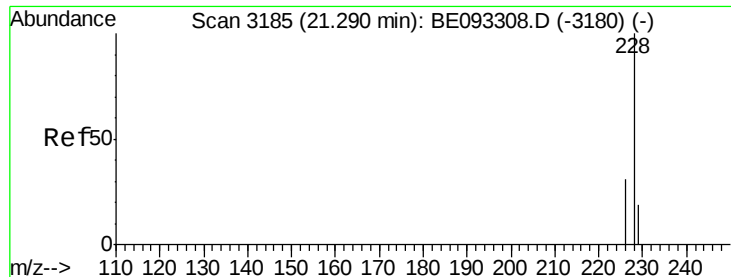
Tgt Ion:202 Resp: 35530
 Ion Ratio Lower Upper
 202 100
 101 17.1 18.2 27.4#
 100 14.2 15.6 23.4#



#18
Benzo(a)anthracene
 Concen: 0.49 ng/ul
 RT: 21.24 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: BE093318.D
 Acq: 21 Jun 2017 16:42

Tgt Ion:228 Resp: 18055
 Ion Ratio Lower Upper
 228 100
 229 21.1 22.8 34.2#
 226 28.8 17.0 25.6#





#19

Chrysene

Concen: 0.51 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

Instrument :

BNA_E

ClientSampleId :

F5E25DL

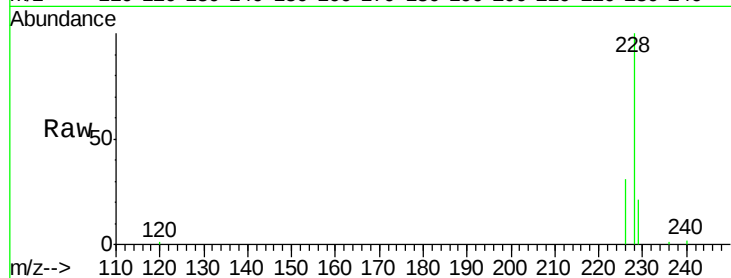
Tgt Ion:228 Resp: 19668

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

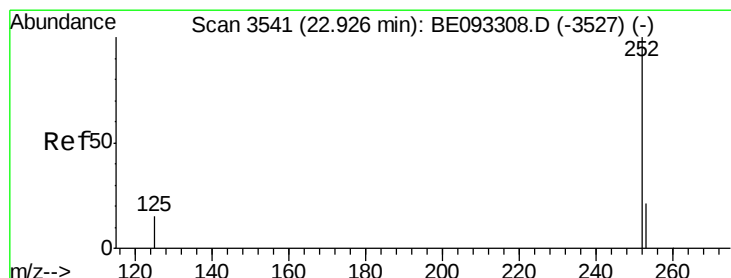
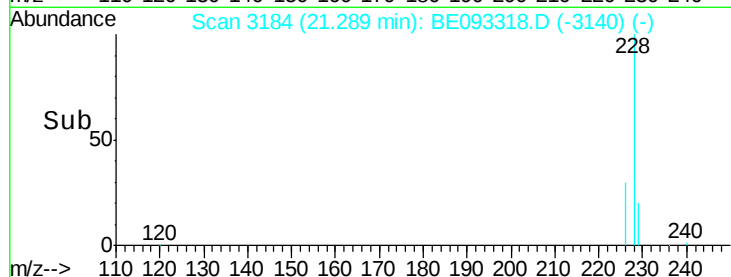
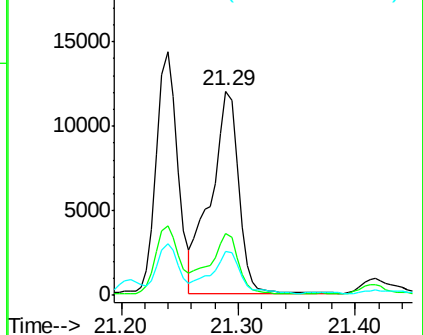
229 21.4 17.7 26.5



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: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

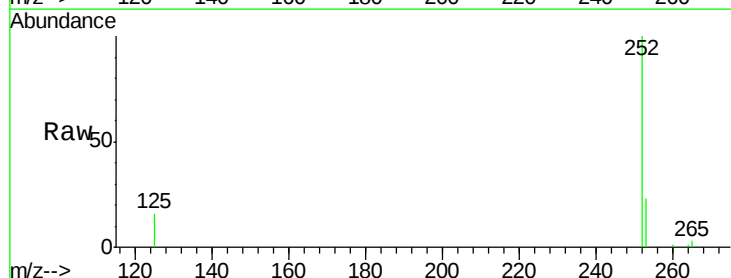
Tgt Ion:252 Resp: 36492

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

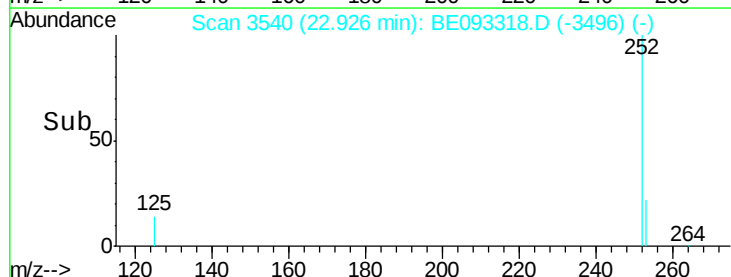
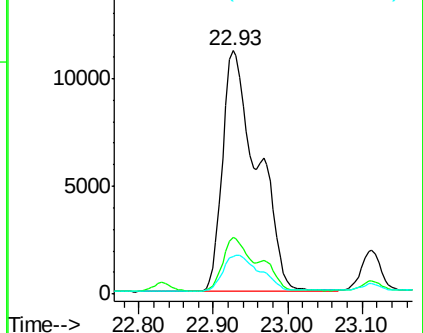
125 15.5 0.0 35.0

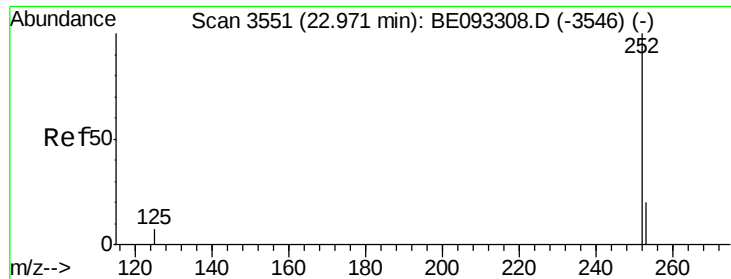


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.91 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.04 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

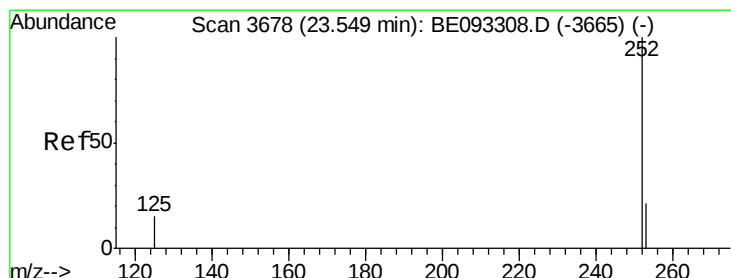
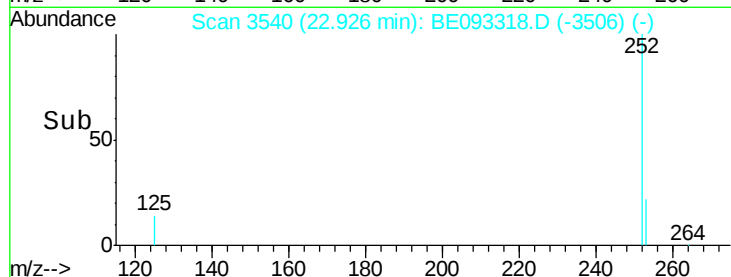
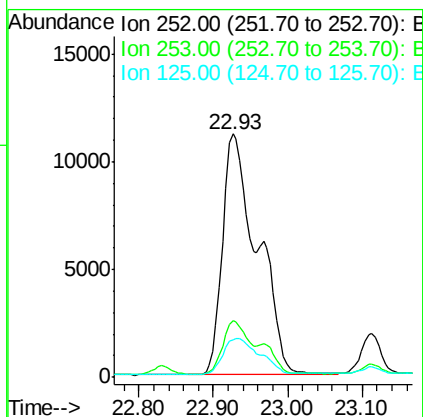
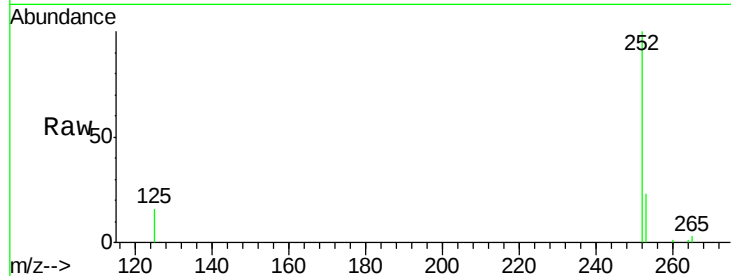
Instrument :

BNA_E

ClientSampleId :

F5E25DL

Tgt Ion:	252	Resp:	36492
Ion Ratio	Lower	Upper	
252	100		
253	23.3	24.5	36.7#
125	15.5	13.7	20.5



#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

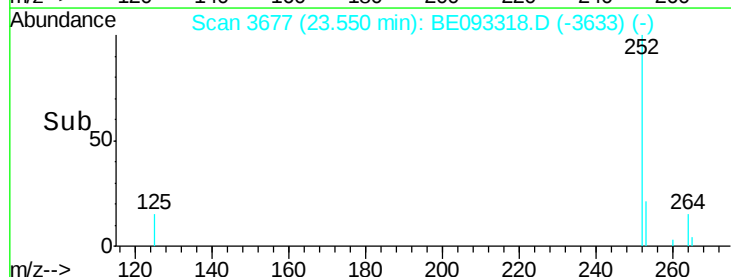
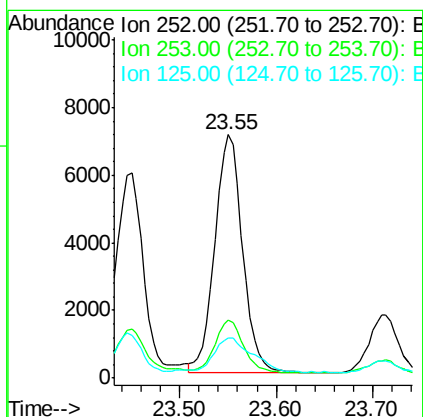
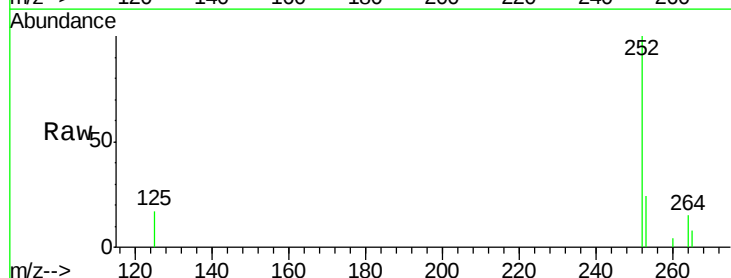
RT: 23.55 min Scan# 3677

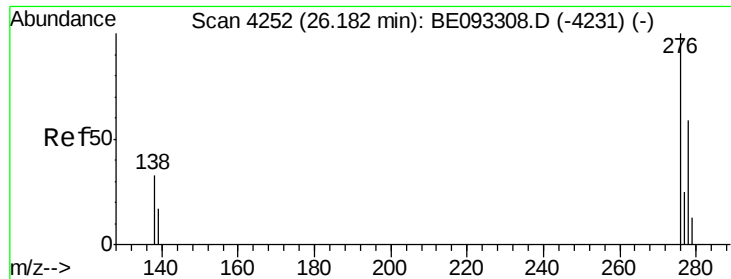
Delta R.T. 0.00 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

Tgt Ion:	252	Resp:	14032
Ion Ratio	Lower	Upper	
252	100		
253	23.9	28.5	42.7#
125	16.6	18.1	27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.19 ng/ul

RT: 26.17 min Scan# 4249

Delta R.T. -0.01 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

Instrument :

BNA_E

ClientSampleId :

F5E25DL

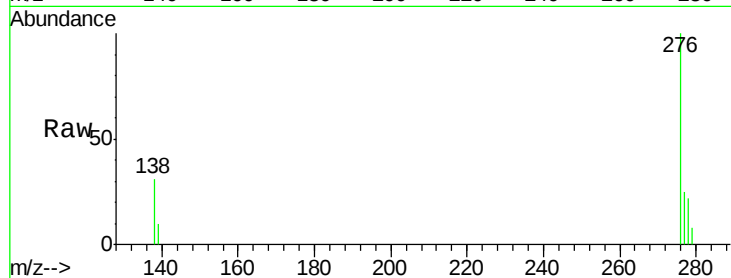
Tgt Ion:276 Resp: 7931

Ion Ratio Lower Upper

276 100

138 31.5 28.0 42.0

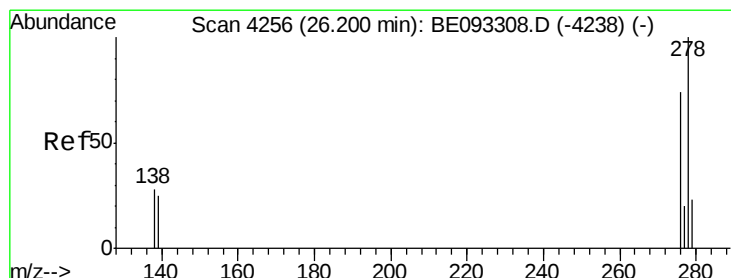
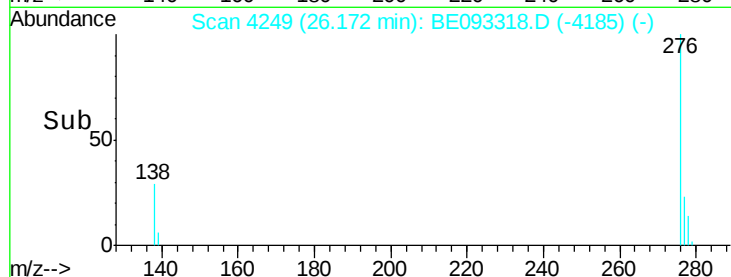
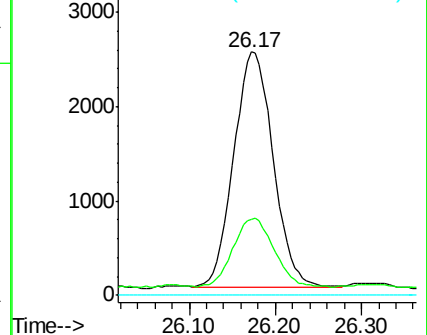
227 0.0 8.0 12.0#



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: 0.06 ng/ul

RT: 26.19 min Scan# 4252

Delta R.T. -0.01 min

Lab File: BE093318.D

Acq: 21 Jun 2017 16:42

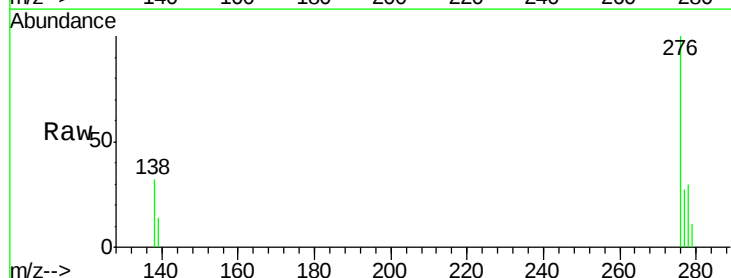
Tgt Ion:278 Resp: 2228

Ion Ratio Lower Upper

278 100

139 46.5 17.4 26.0#

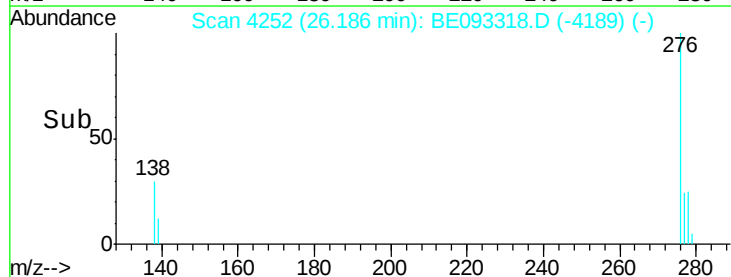
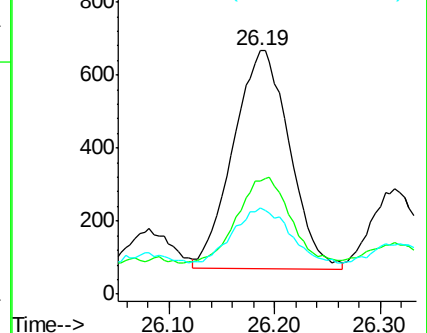
279 35.5 25.9 38.9

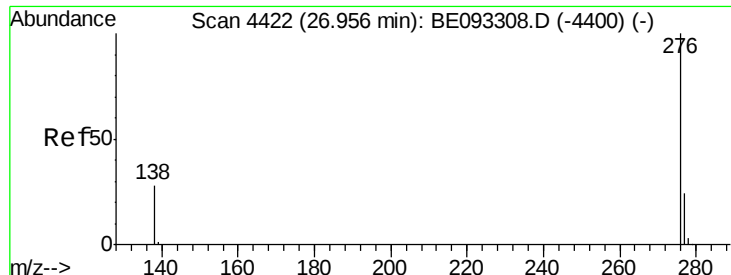


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.14 ng/ul

RT: 26.95 min Scan# 4420

Delta R.T. -0.00 min

Lab File: BE093318.D

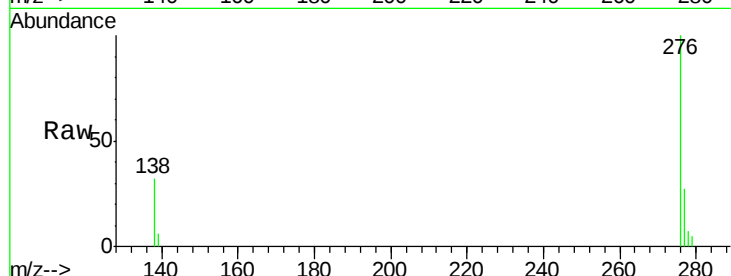
Acq: 21 Jun 2017 16:42

Instrument :

BNA_E

ClientSampleId :

F5E25DL



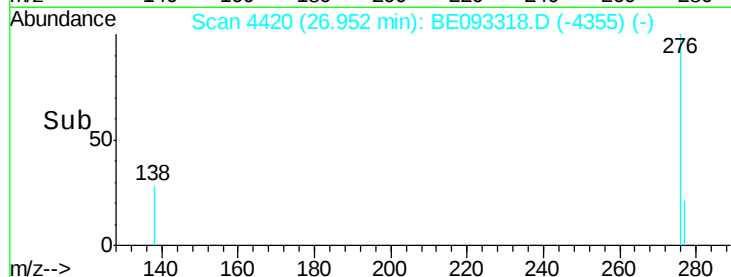
Tgt Ion: 276 Resp: 5139

Ion Ratio Lower Upper

276 100

138 32.2 21.8 32.8

277 26.7 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

