

Data File : BE093320.D
Acq On : 21 Jun 2017 17:57
Operator : SJ/JU
Sample : I3627-17DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A90DL

Quant Time: Jun 22 02:12:39 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	1591	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	8557	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	6134	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13300	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	14562	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	12752	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	618	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1647	0.05	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	893486	42.08	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	181630	12.51	ng/ul	98
7) Acenaphthylene	14.08	152	4918	0.19	ng/ul#	81
8) Acenaphthene	14.42	153	132887	6.26	ng/ul	96
9) Fluorene	15.42	166	129621	5.21	ng/ul	94
12) Phenanthrene	17.14	178	835868	22.84	ng/ul#	88
13) Anthracene	17.22	178	116951	3.67	ng/ul#	90
15) Fluoranthene	19.15	202	462091	10.30	ng/ul	83
17) Pyrene	19.51	202	278441	6.48	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	84129	2.17	ng/ul#	87
19) Chrysene	21.29	228	68622	1.70	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	55123	1.42	ng/ul	87
22) Benzo(k)fluoranthene	22.93	252	55123	1.34	ng/ul#	89
23) Benzo(a)pyrene	23.55	252	23028	0.63	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	8366	0.20	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.19	278	2745	0.08	ng/ul#	88
26) Benzo(g,h,i)perylene	26.96	276	5053	0.14	ng/ul	95

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

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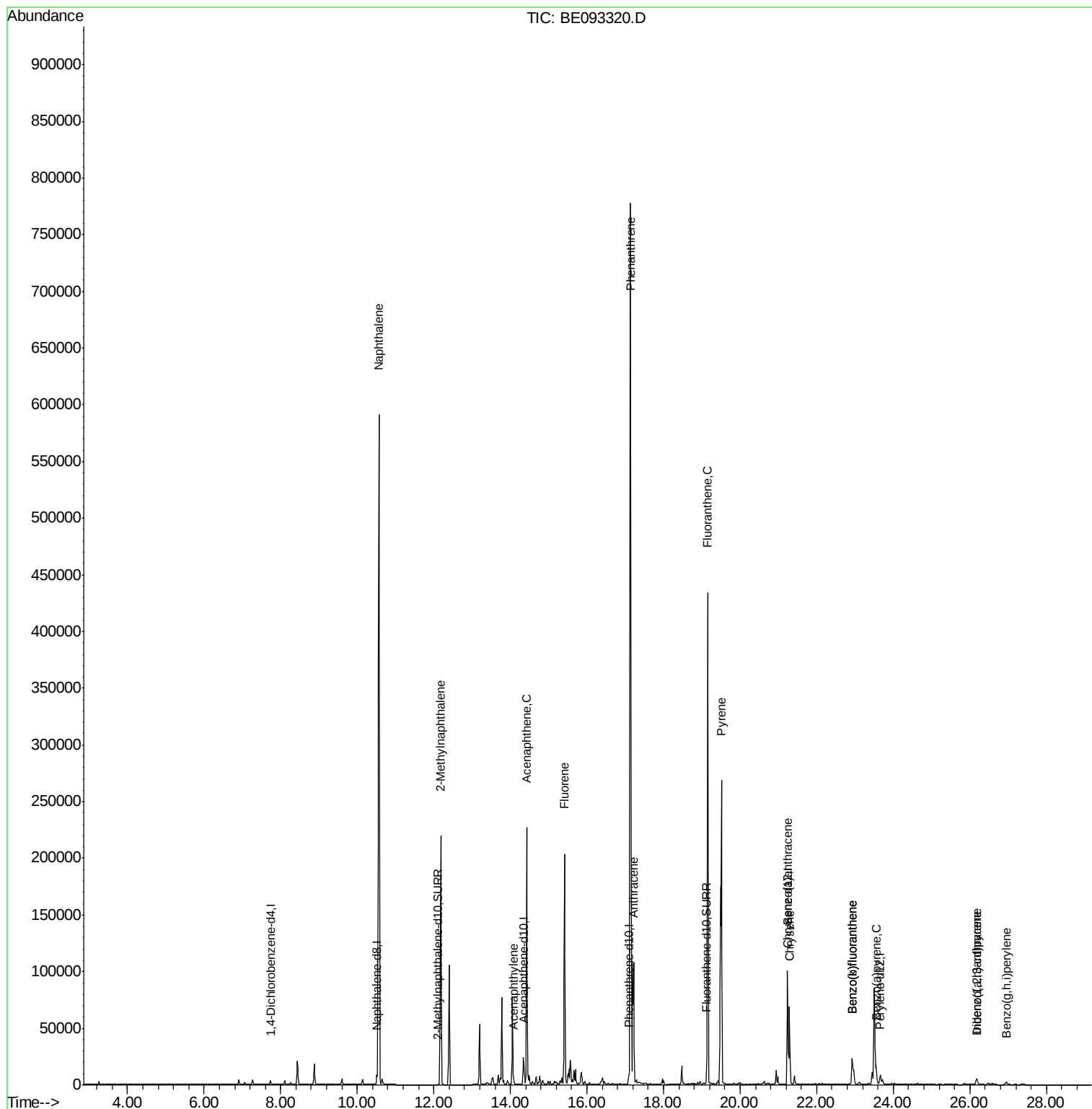
Quant Time: Jun 22 02:12:39 2017

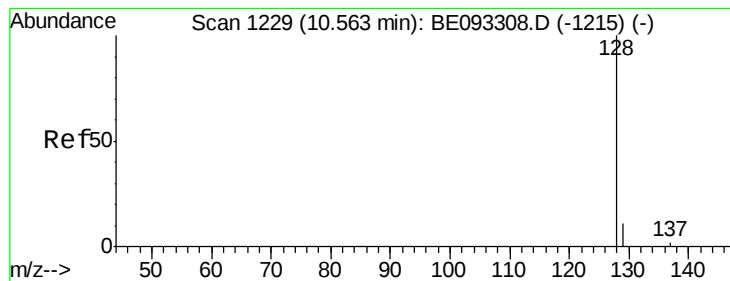
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 42.08 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093320.D

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Instrument :

BNA_E

ClientSampleId :

F5A90DL

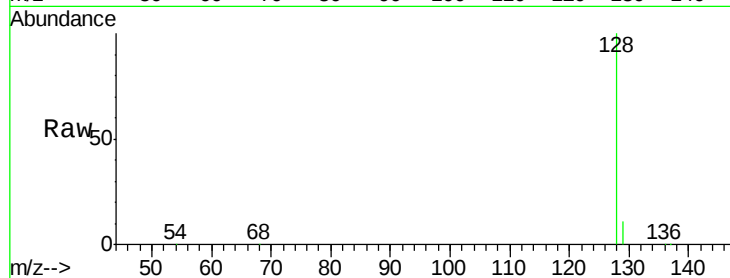
Tgt Ion:128 Resp: 893486

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

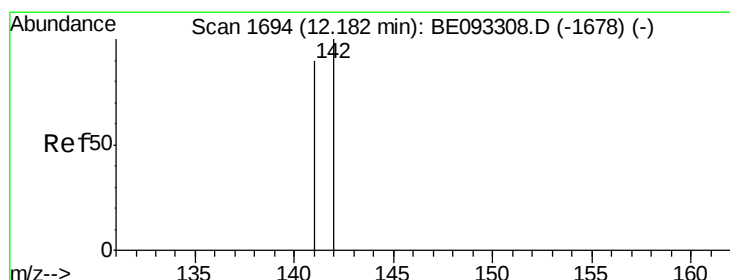
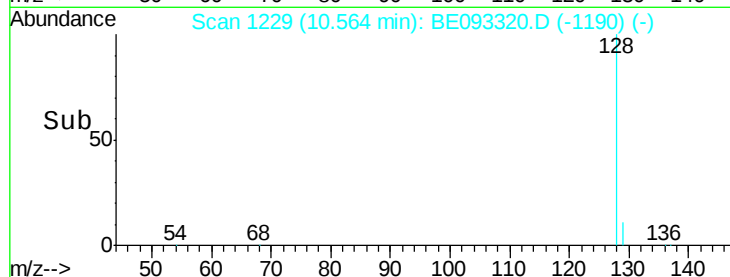
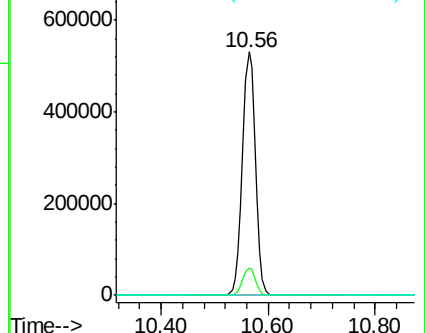
127 0.0 4.0 6.0#



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: 12.51 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093320.D

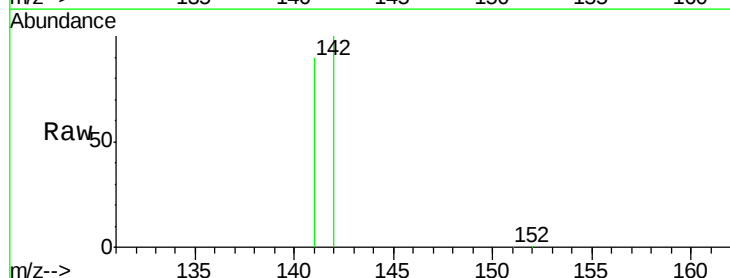
Acq: 21 Jun 2017 17:57

Tgt Ion:142 Resp: 181630

Ion Ratio Lower Upper

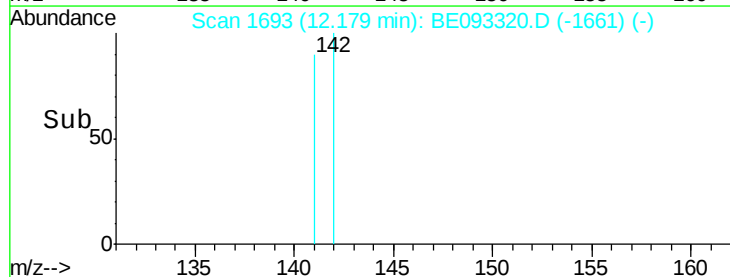
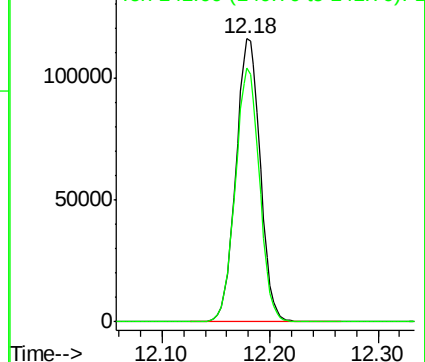
142 100

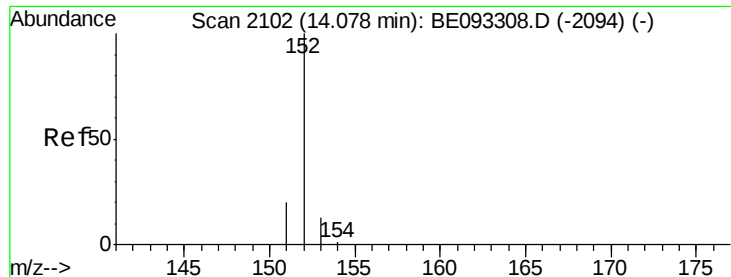
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.19 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. 0.01 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

Instrument :

BNA_E

ClientSampleId :

F5A90DL

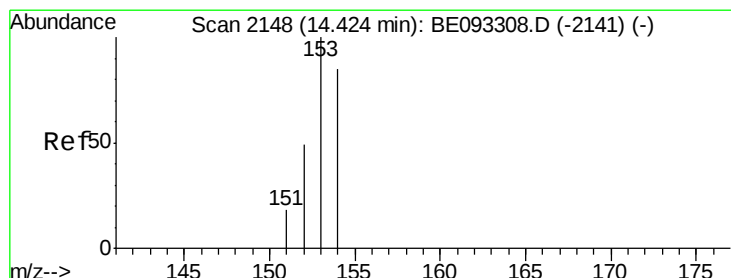
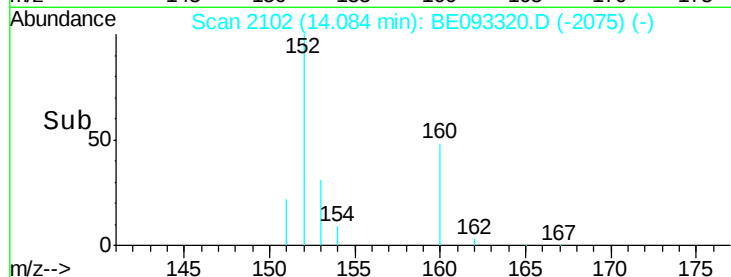
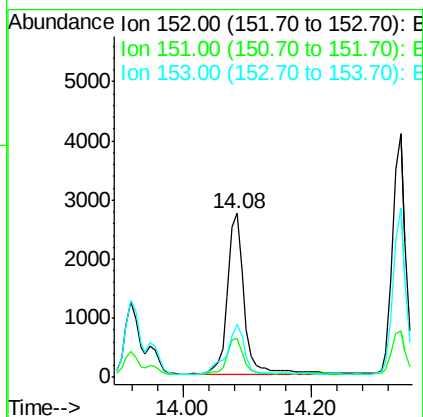
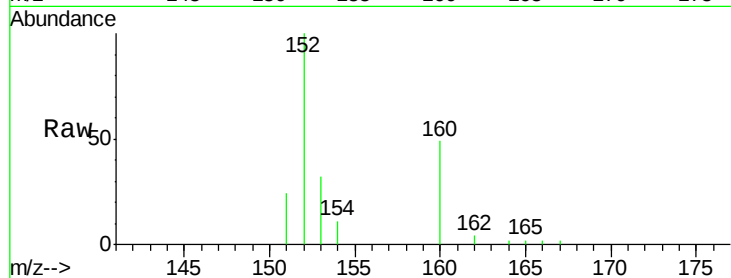
Tgt Ion:152 Resp: 4918

Ion Ratio Lower Upper

152 100

151 23.5 17.1 25.7

153 32.5 12.8 19.2#



#8

Acenaphthene

Concen: 6.26 ng/ul

RT: 14.42 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

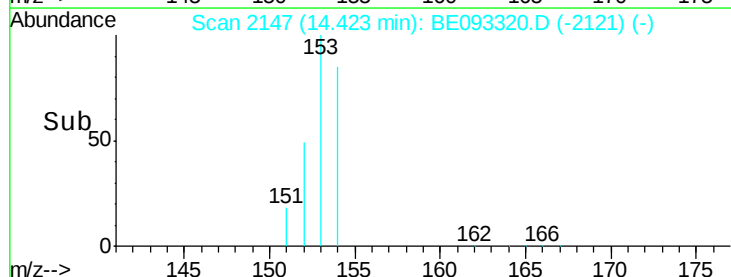
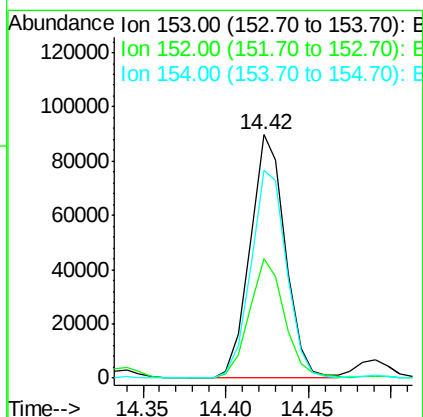
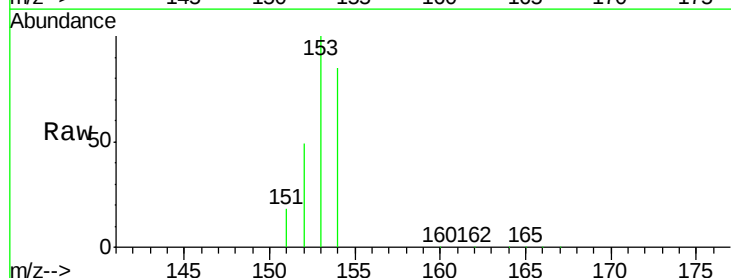
Tgt Ion:153 Resp: 132887

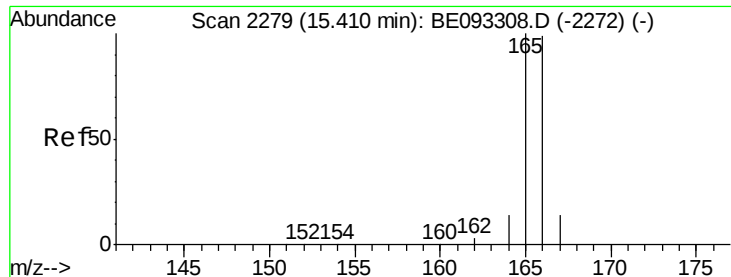
Ion Ratio Lower Upper

153 100

152 49.0 40.3 60.5

154 85.2 71.4 107.2





#9

Fluorene

Concen: 5.21 ng/ul

RT: 15.42 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

Instrument :

BNA_E

ClientSampleId :

F5A90DL

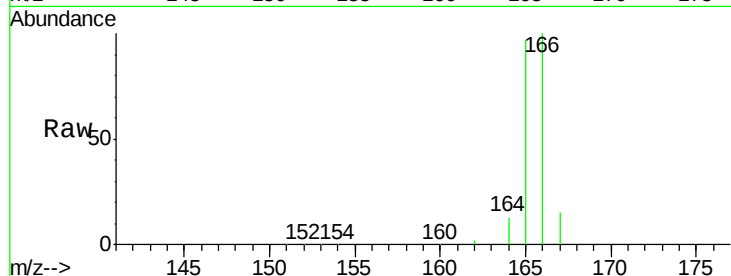
Tgt Ion:166 Resp: 129621

Ion Ratio Lower Upper

166 100

165 97.4 73.4 110.2

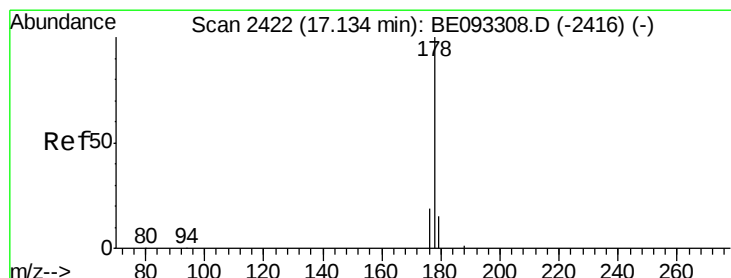
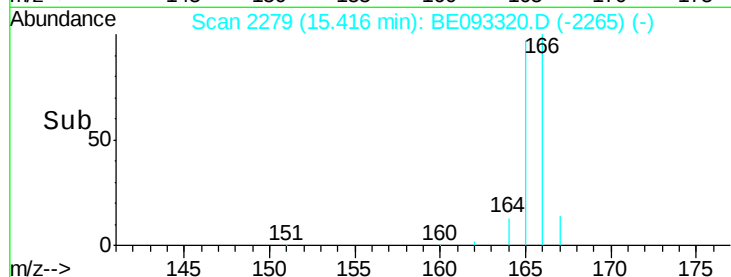
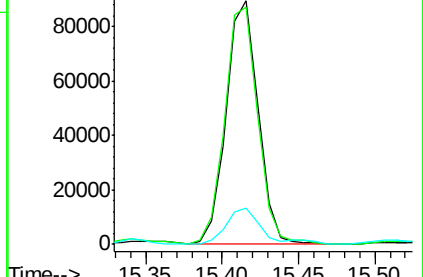
167 14.9 14.6 22.0



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: 22.84 ng/ul

RT: 17.14 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

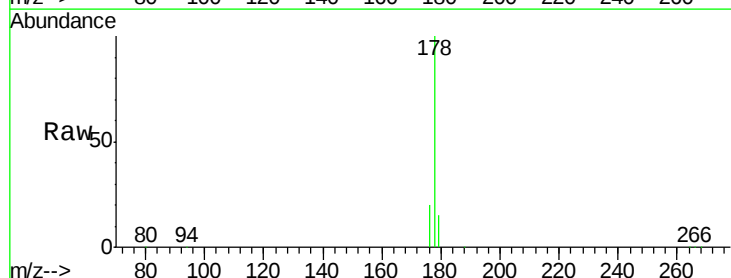
Tgt Ion:178 Resp: 835868

Ion Ratio Lower Upper

178 100

179 15.1 18.4 27.6#

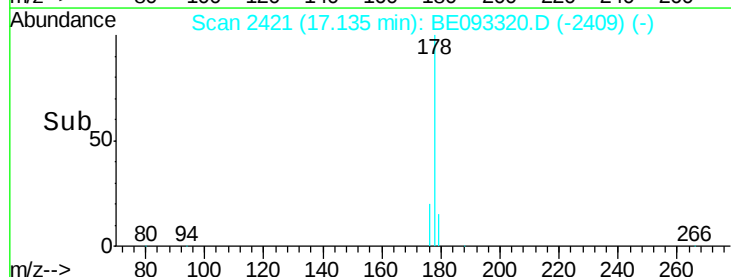
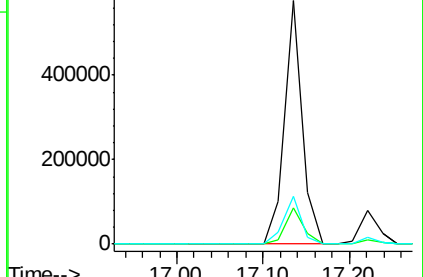
176 19.7 13.6 20.4

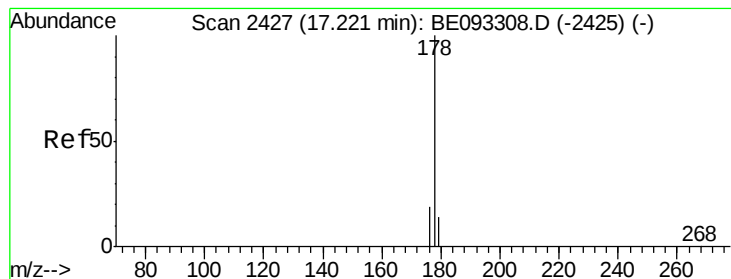


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 3.67 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

Instrument :

BNA_E

ClientSampleId :

F5A90DL

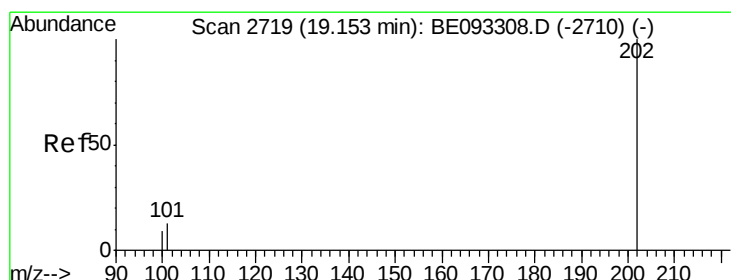
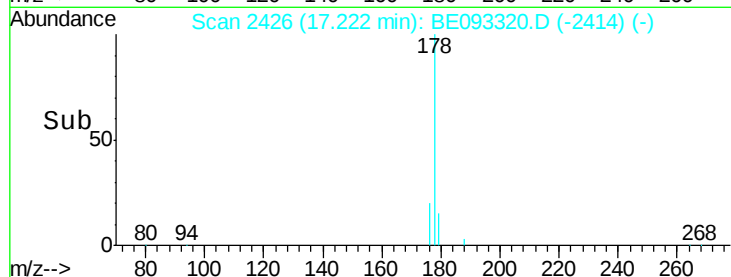
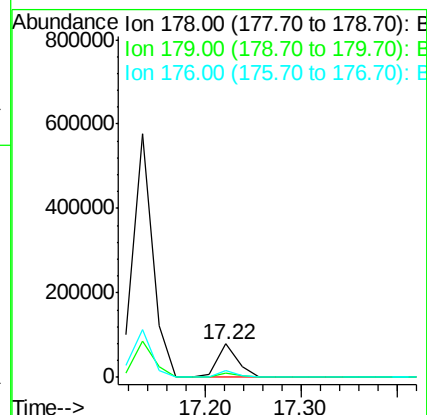
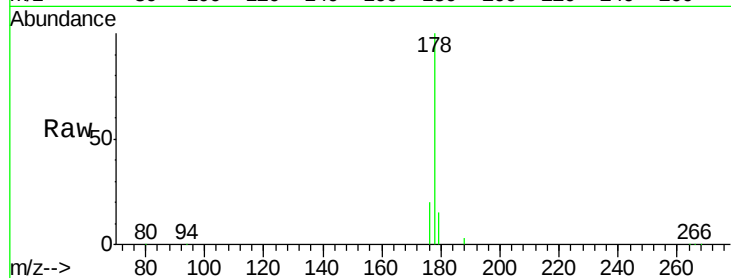
Tgt Ion:178 Resp: 116951

Ion Ratio Lower Upper

178 100

179 14.7 18.1 27.1#

176 19.6 14.7 22.1



#15

Fluoranthene

Concen: 10.30 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. 0.00 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

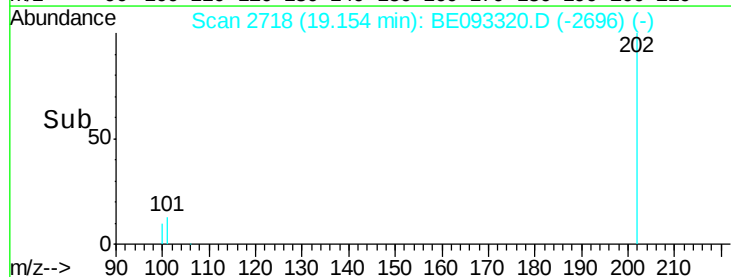
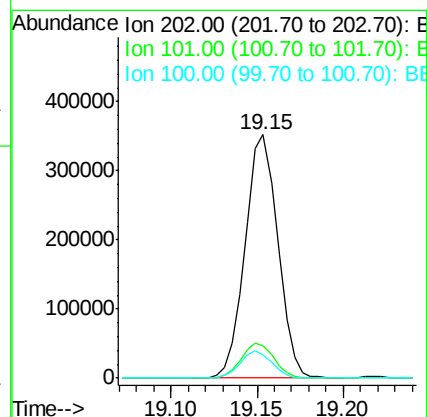
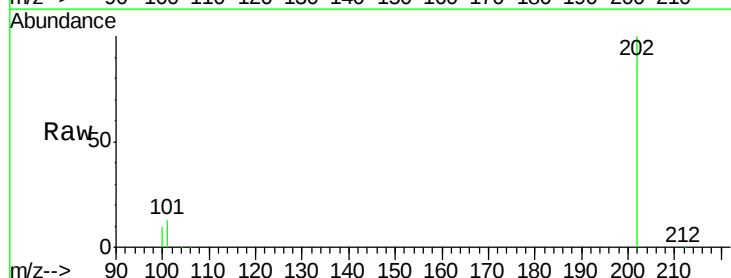
Tgt Ion:202 Resp: 462091

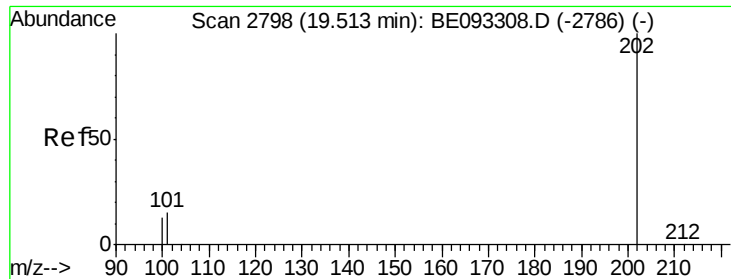
Ion Ratio Lower Upper

202 100

101 13.4 0.0 30.3

100 9.8 0.0 39.5

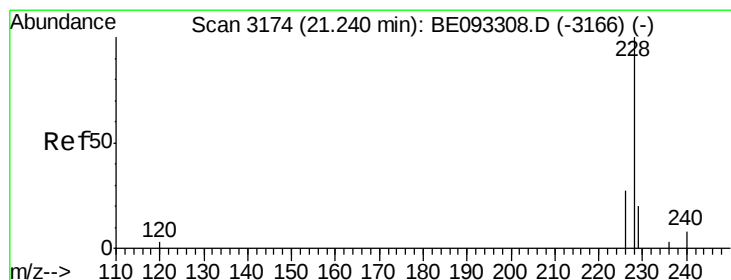
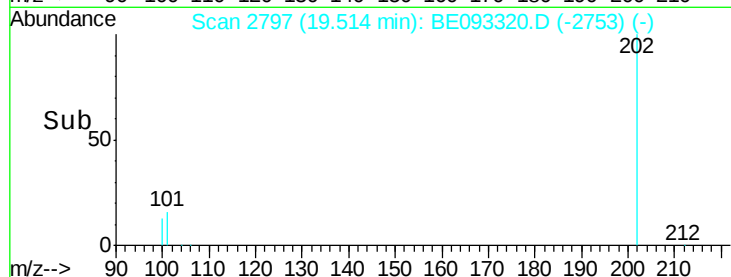
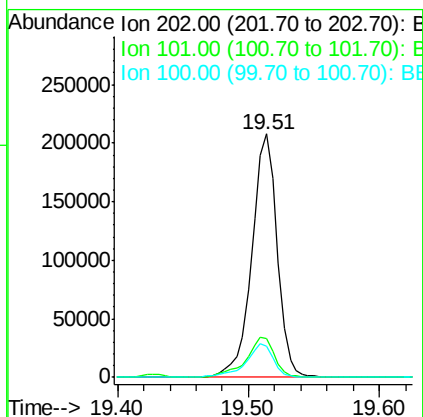
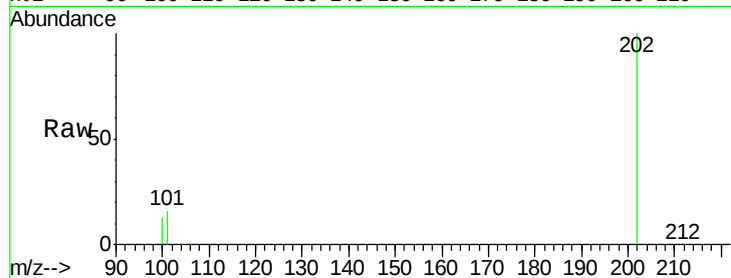




#17
 Pyrene
 Concen: 6.48 ng/ul
 RT: 19.51 min Scan# 2797
 Delta R.T. 0.00 min
 Lab File: BE093320.D
 Acq: 21 Jun 2017 17:57

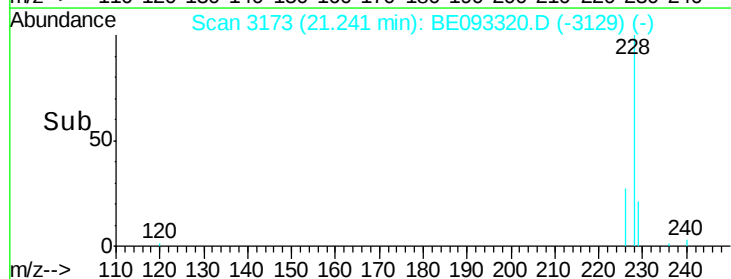
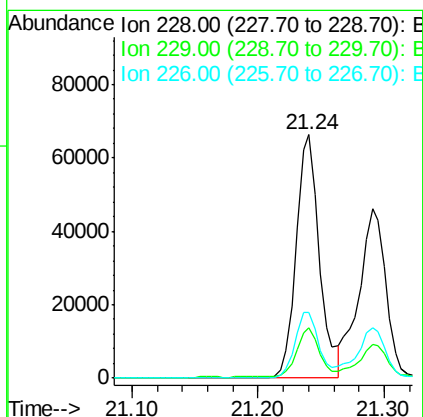
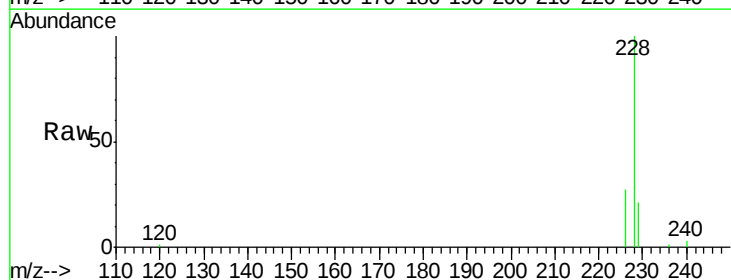
Instrument :
 BNA_E
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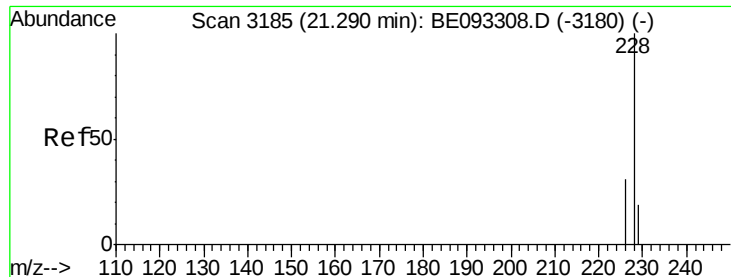
Tgt Ion:202 Resp: 278441
 Ion Ratio Lower Upper
 202 100
 101 15.9 18.2 27.4#
 100 12.7 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 2.17 ng/ul
 RT: 21.24 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: BE093320.D
 Acq: 21 Jun 2017 17:57

Tgt Ion:228 Resp: 84129
 Ion Ratio Lower Upper
 228 100
 229 20.9 22.8 34.2#
 226 27.1 17.0 25.6#





#19

Chrysene

Concen: 1.70 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. 0.00 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

Instrument :

BNA_E

ClientSampleId :

F5A90DL

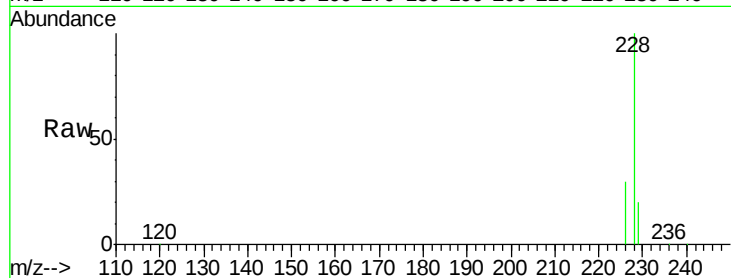
Tgt Ion:228 Resp: 68622

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

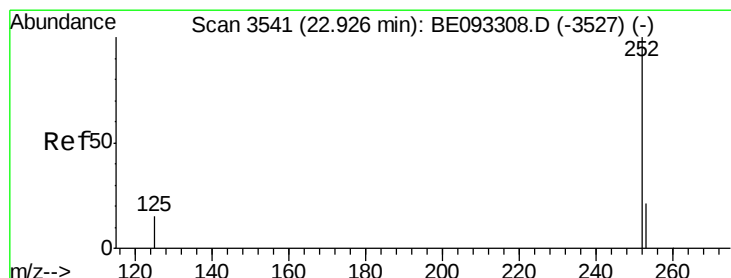
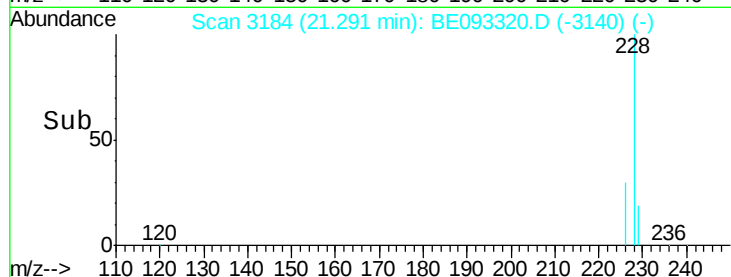
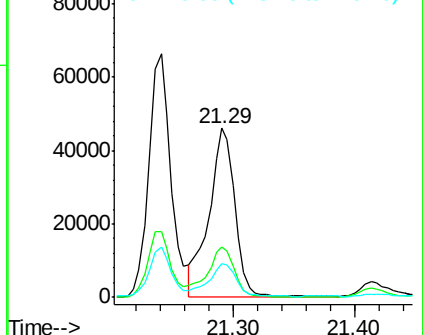
229 19.9 17.7 26.5



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: 1.42 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

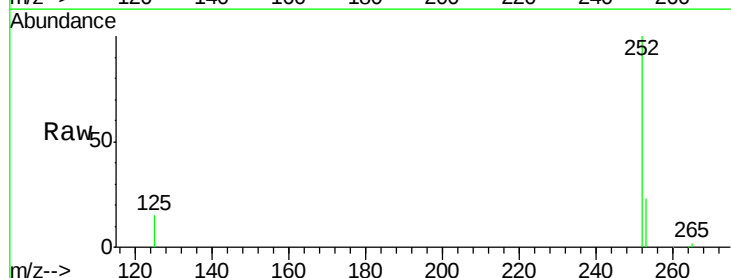
Tgt Ion:252 Resp: 55123

Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

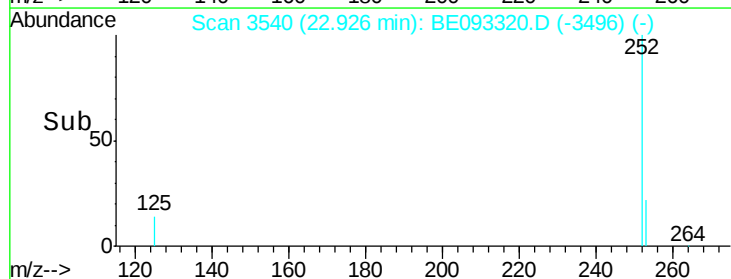
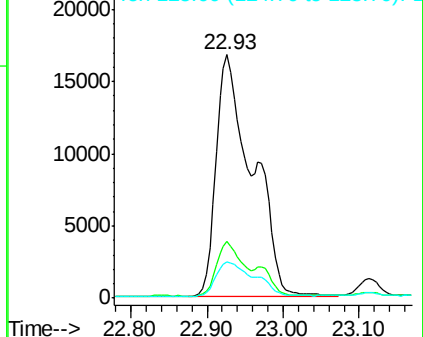
125 14.7 0.0 35.0

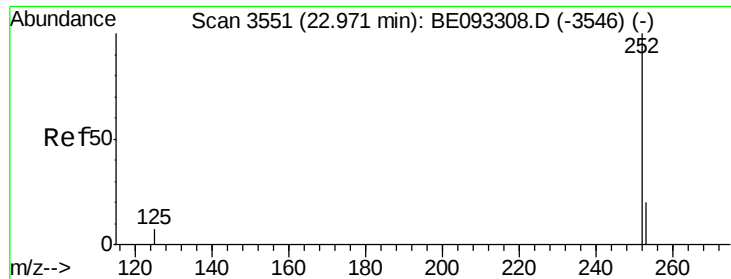


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.34 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.04 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

Instrument :

BNA_E

ClientSampleId :

F5A90DL

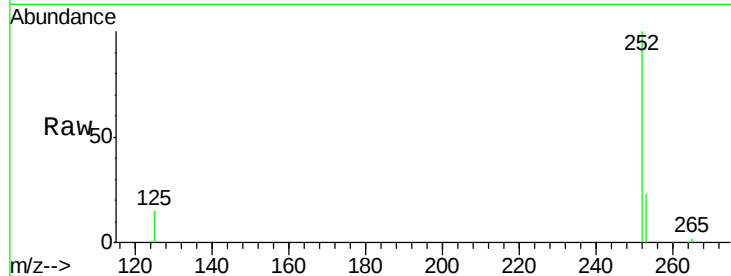
Tgt Ion:252 Resp: 55123

Ion Ratio Lower Upper

252 100

253 23.1 24.5 36.7#

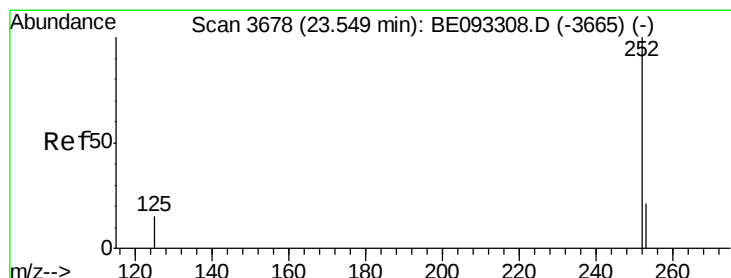
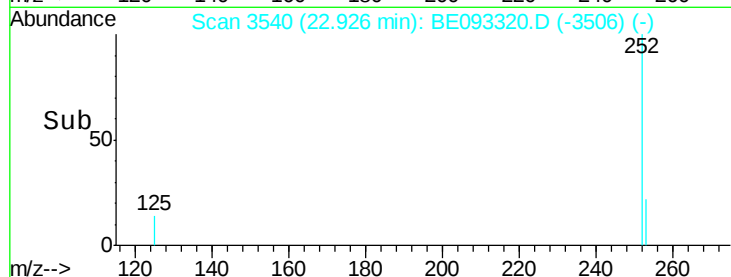
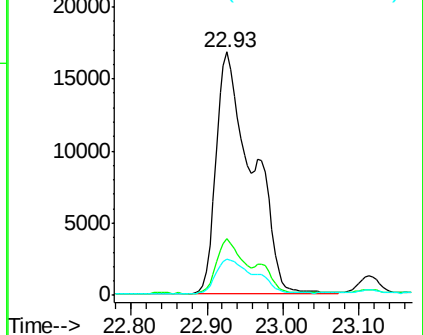
125 14.7 13.7 20.5



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: 0.63 ng/ul

RT: 23.55 min Scan# 3677

Delta R.T. 0.00 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

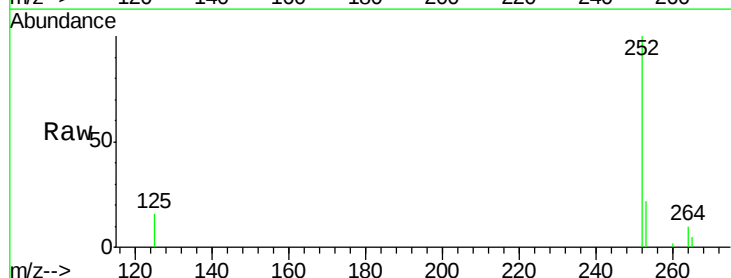
Tgt Ion:252 Resp: 23028

Ion Ratio Lower Upper

252 100

253 22.5 28.5 42.7#

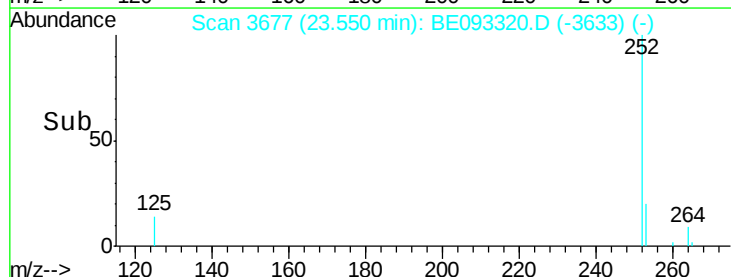
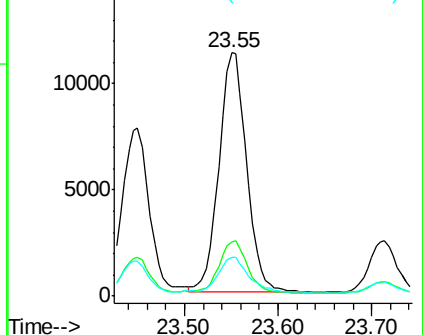
125 15.9 18.1 27.1#

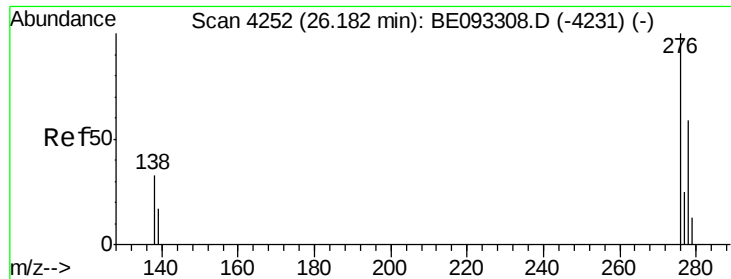


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.20 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. -0.01 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

Instrument :

BNA_E

ClientSampleId :

F5A90DL

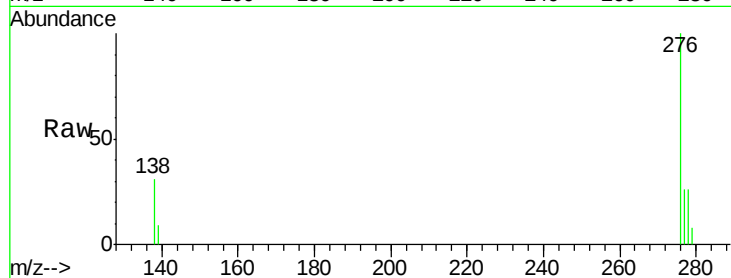
Tgt Ion:276 Resp: 8366

Ion Ratio Lower Upper

276 100

138 30.5 28.0 42.0

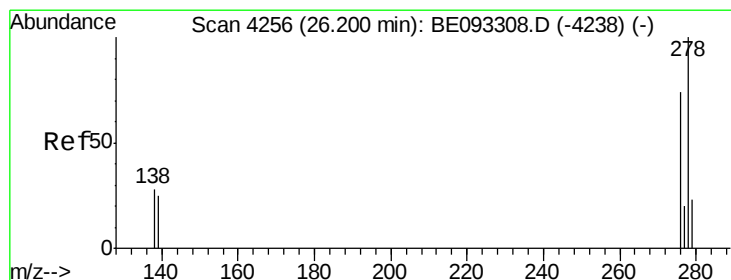
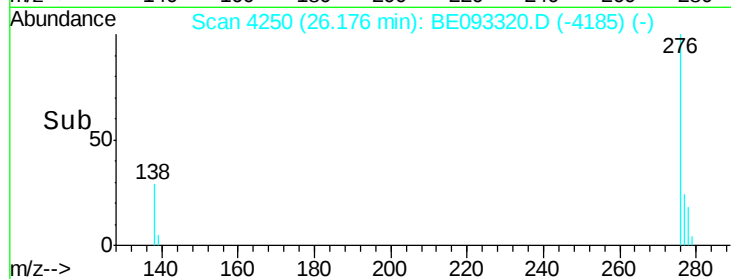
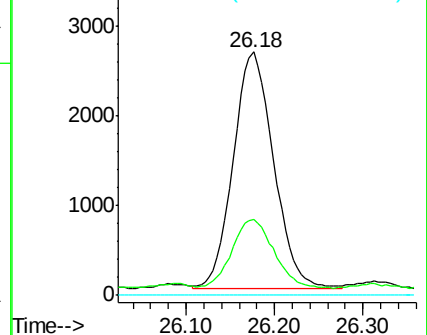
227 0.0 8.0 12.0#



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: 0.08 ng/ul

RT: 26.19 min Scan# 4254

Delta R.T. -0.01 min

Lab File: BE093320.D

Acq: 21 Jun 2017 17:57

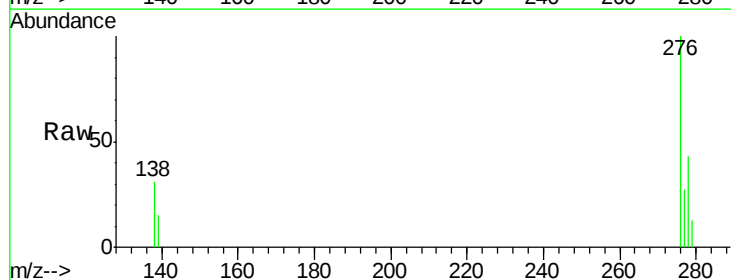
Tgt Ion:278 Resp: 2745

Ion Ratio Lower Upper

278 100

139 34.2 17.4 26.0#

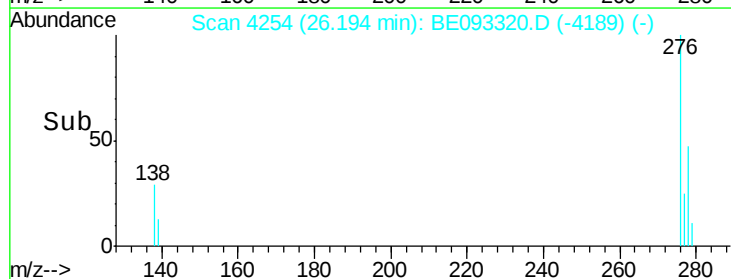
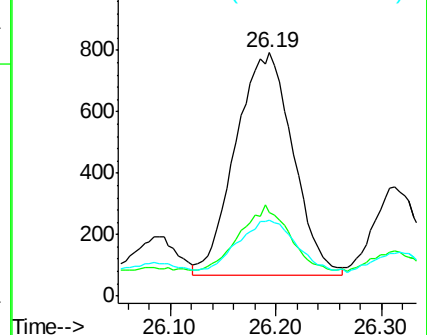
279 31.1 25.9 38.9

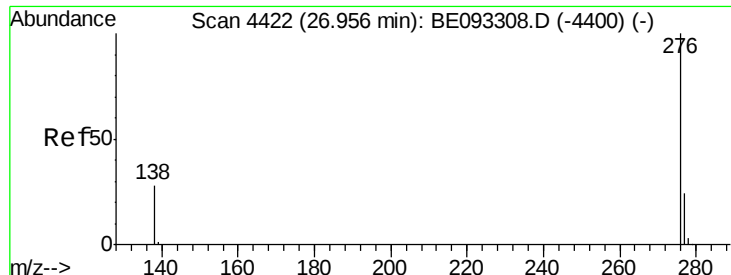


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

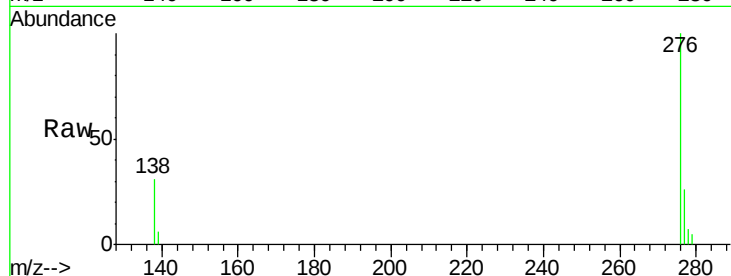




#26
 Benzo(g,h,i)perylene
 Concen: 0.14 ng/ul
 RT: 26.96 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: BE093320.D
 Acq: 21 Jun 2017 17:57

Instrument :
 BNA_E
 ClientSampleId :
 F5A90DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.4	21.8	32.8
277	26.5	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

