

Data File : BE093341.D
Acq On : 23 Jun 2017 17:41
Operator : SJ/JU
Sample : I3653-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B18

Quant Time: Jun 24 04:29:06 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 24 04:29:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1587	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	8516	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5246	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12705	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	12875	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	13320	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1784	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	4856	0.14	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	25794	1.22	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	3709	0.26	ng/ul	99
7) Acenaphthylene	14.09	152	3940	0.18	ng/ul	98
8) Acenaphthene	14.42	153	2162	0.12	ng/ul	98
9) Fluorene	15.42	166	2466	0.12	ng/ul	95
12) Phenanthrene	17.14	178	13730	0.39	ng/ul#	90
13) Anthracene	17.22	178	8479	0.28	ng/ul#	90
15) Fluoranthene	19.15	202	19207	0.45	ng/ul	84
17) Pyrene	19.51	202	23296	0.61	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	15590	0.45	ng/ul#	85
19) Chrysene	21.29	228	16724	0.47	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	40768	1.01	ng/ul	88
22) Benzo(k)fluoranthene	22.93	252	40768	0.95	ng/ul#	90
23) Benzo(a)pyrene	23.56	252	14748	0.39	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.17	276	9892	0.22	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.19	278	2717	0.07	ng/ul#	78
26) Benzo(g,h,i)perylene	26.95	276	7654	0.20	ng/ul	95

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

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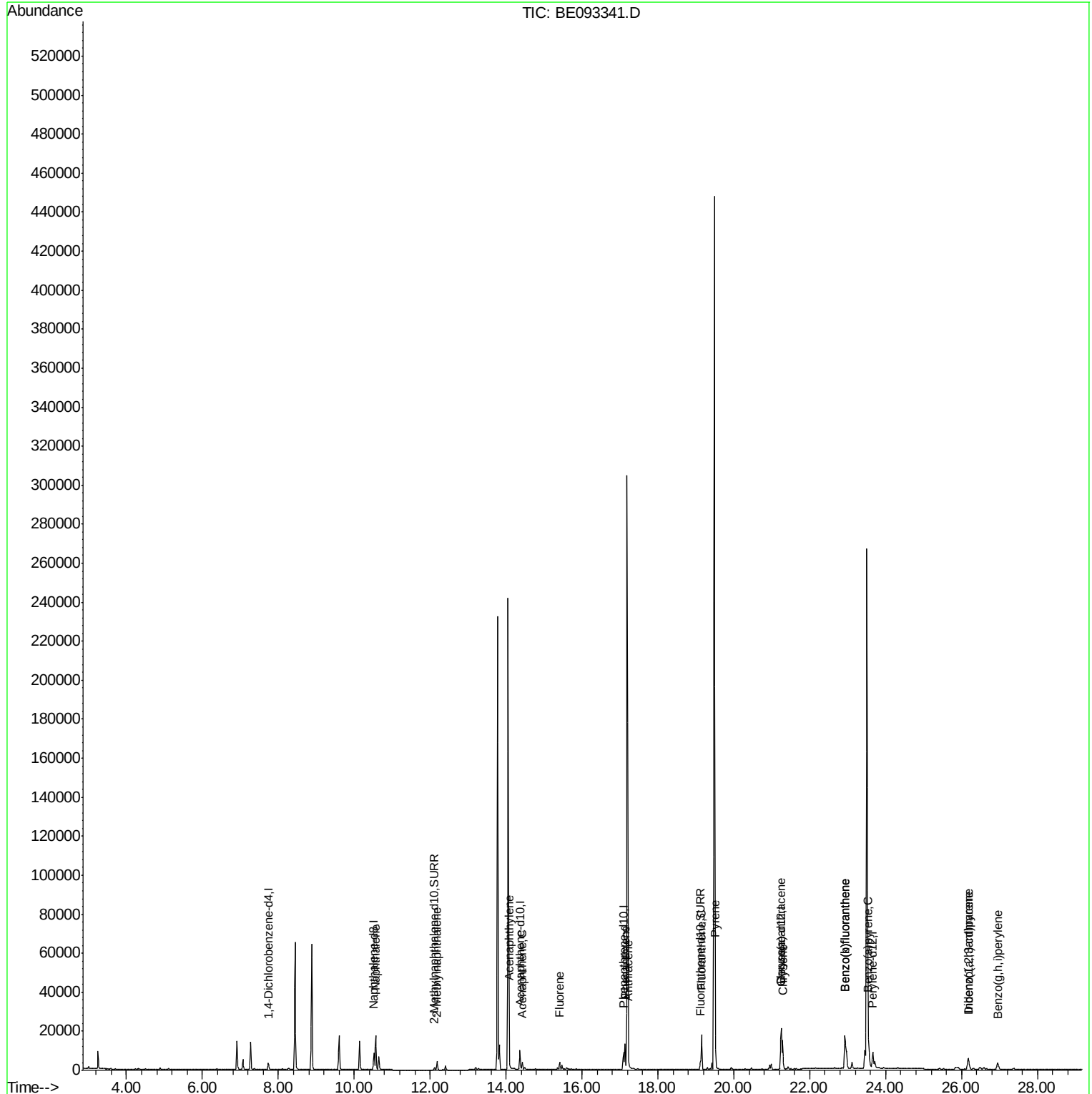
Quant Time: Jun 24 04:29:06 2017

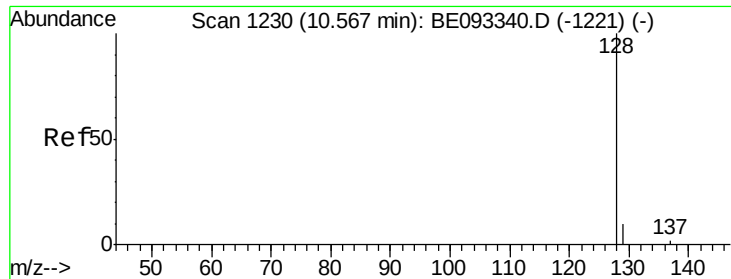
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 1.22 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

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Acq: 23 Jun 2017 17:41

Instrument :

BNA_E

ClientSampleId :

F5B18

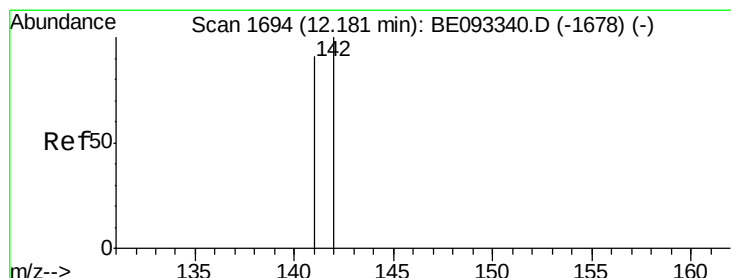
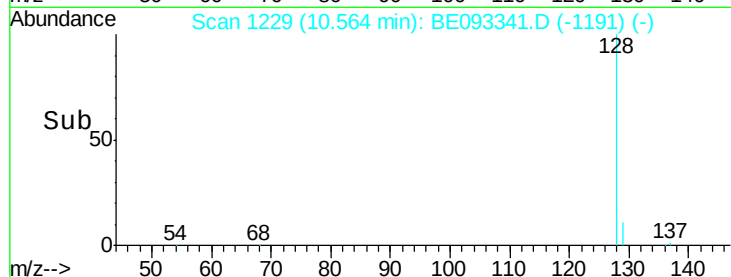
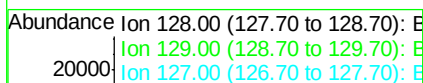
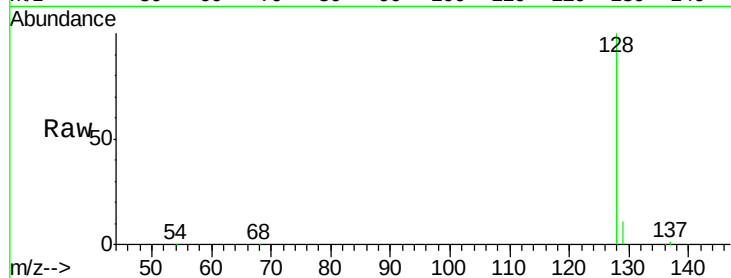
Tgt Ion:128 Resp: 25794

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.26 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093341.D

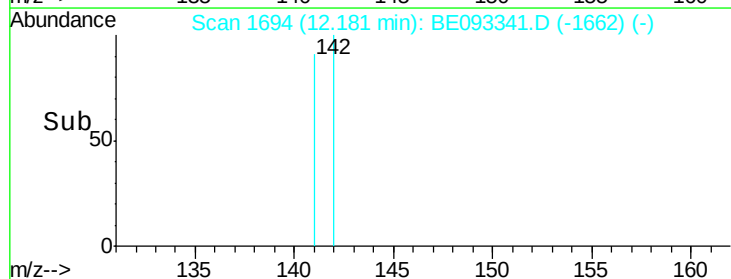
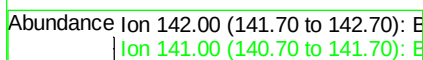
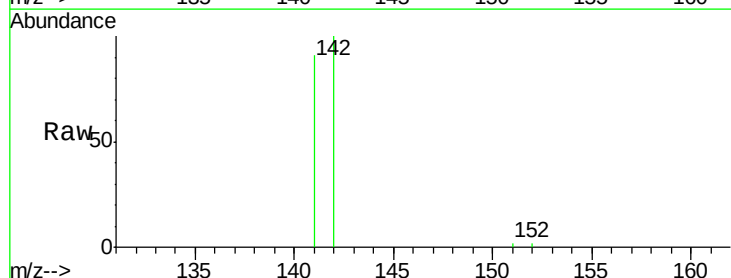
Acq: 23 Jun 2017 17:41

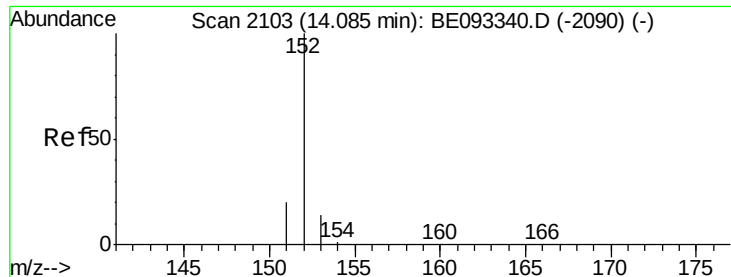
Tgt Ion:142 Resp: 3709

Ion Ratio Lower Upper

142 100

141 90.2 72.6 108.8





#7

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

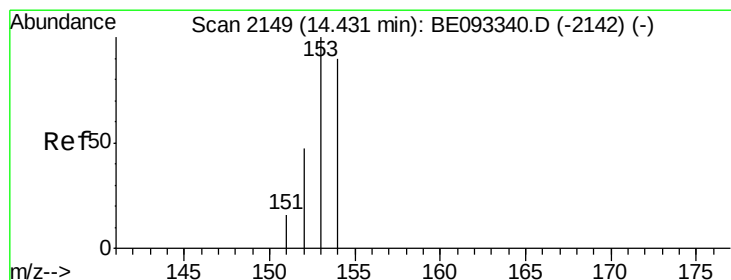
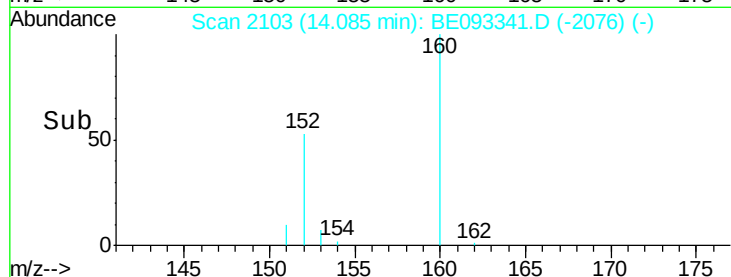
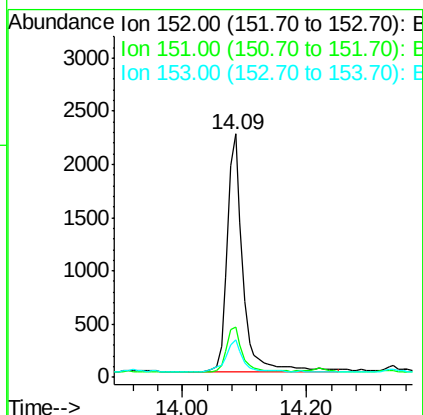
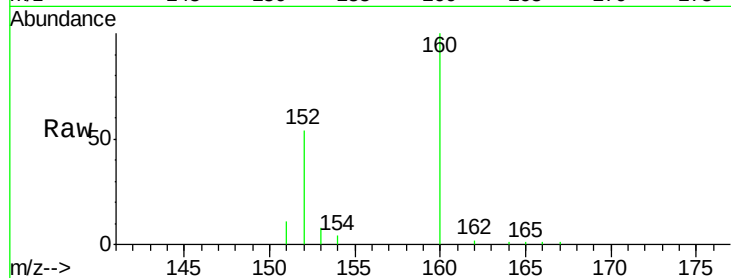
Instrument :

BNA_E

ClientSampleId :

F5B18

Tgt Ion:	152	Resp:	3940
Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.1	25.7
153	15.4	12.8	19.2



#8

Acenaphthene

Concen: 0.12 ng/ul

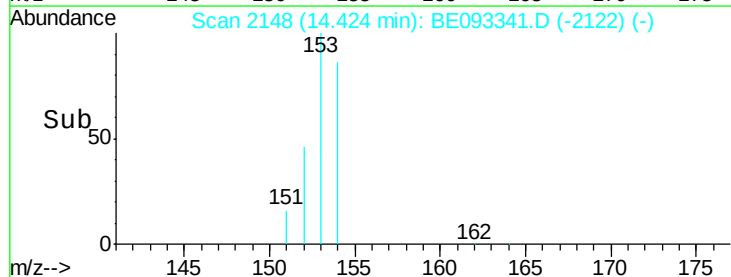
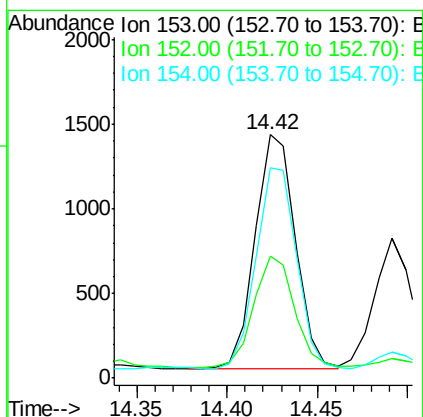
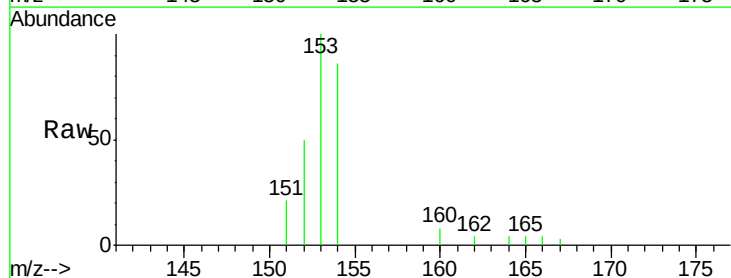
RT: 14.42 min Scan# 2148

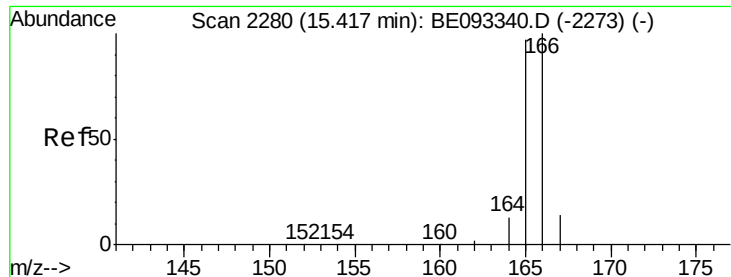
Delta R.T. -0.01 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

Tgt Ion:	153	Resp:	2162
Ion	Ratio	Lower	Upper
153	100		
152	50.0	40.3	60.5
154	86.4	71.4	107.2





#9

Fluorene

Concen: 0.12 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

Instrument :

BNA_E

ClientSampleId :

F5B18

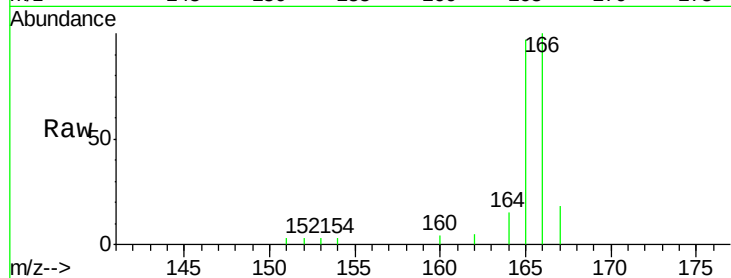
Tgt Ion:166 Resp: 2466

Ion Ratio Lower Upper

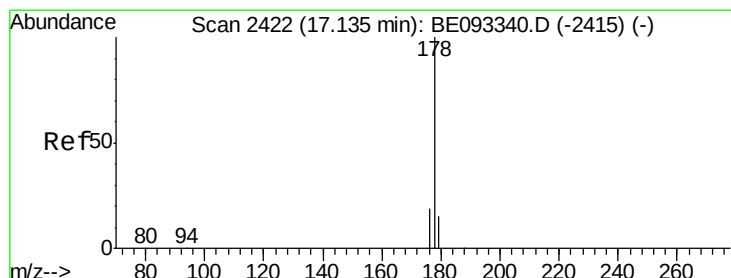
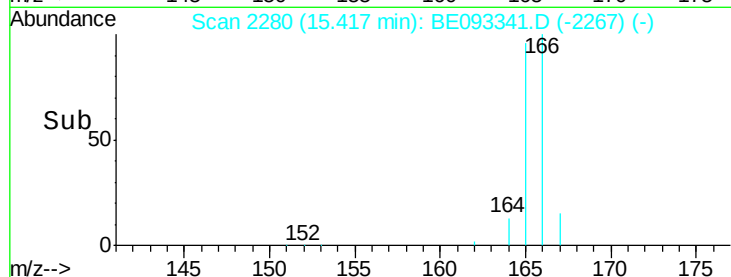
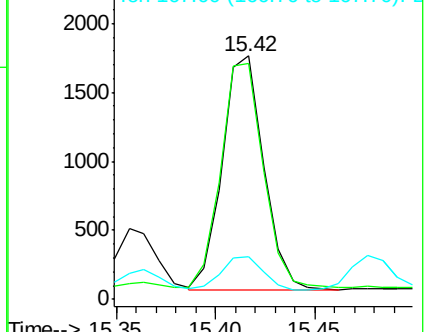
166 100

165 96.7 73.4 110.2

167 17.7 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



#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

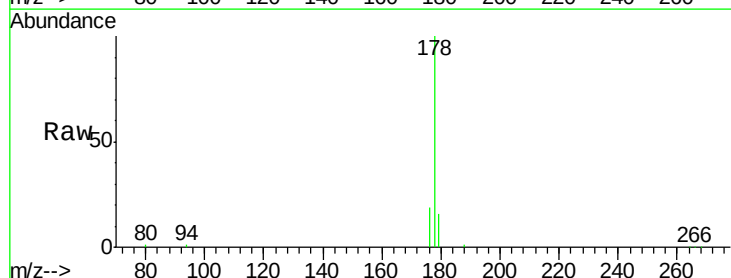
Tgt Ion:178 Resp: 13730

Ion Ratio Lower Upper

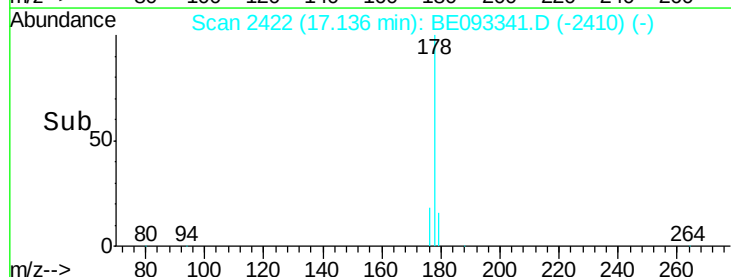
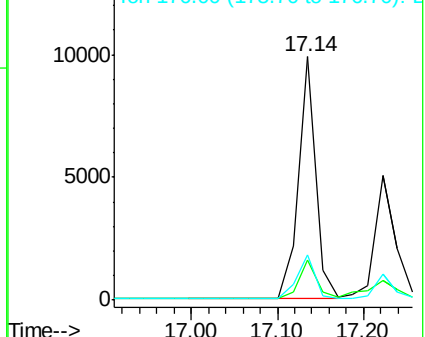
178 100

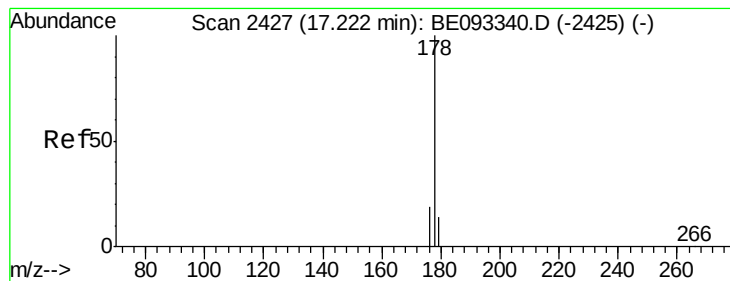
179 16.3 18.4 27.6#

176 18.8 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: 0.28 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

Instrument :

BNA_E

ClientSampleId :

F5B18

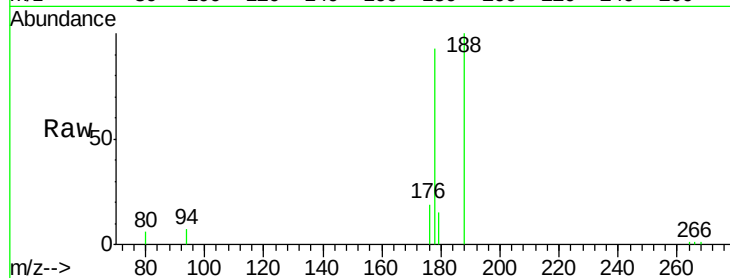
Tgt Ion:178 Resp: 8479

Ion Ratio Lower Upper

178 100

179 15.7 18.1 27.1#

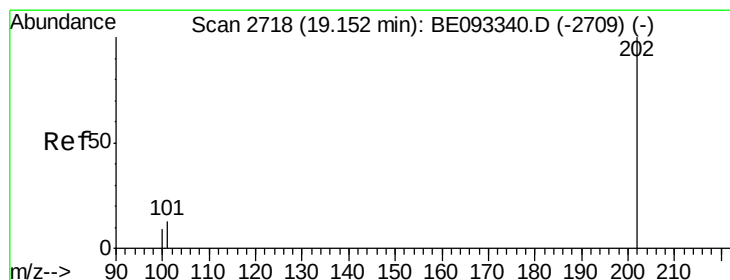
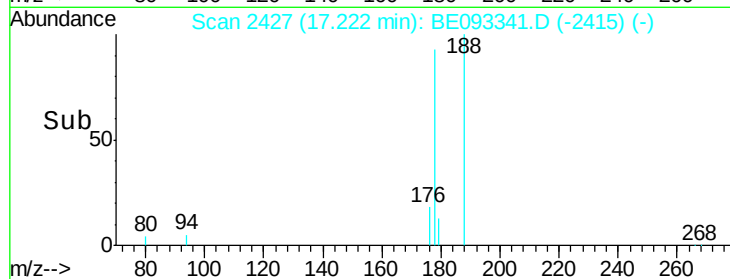
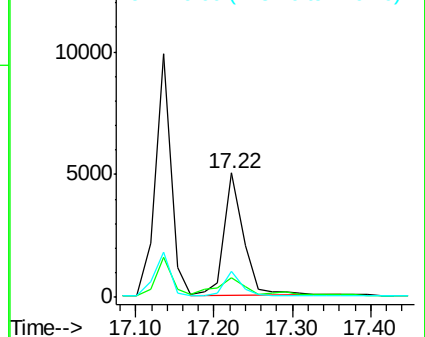
176 20.5 14.7 22.1



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: 0.45 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

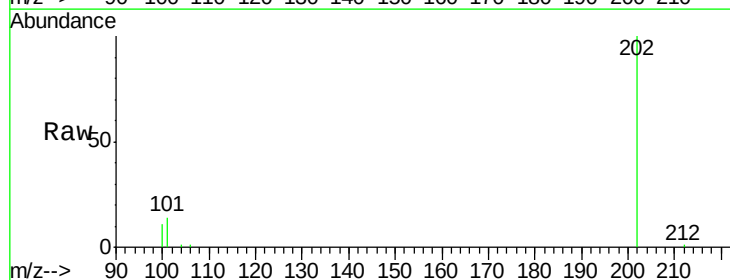
Tgt Ion:202 Resp: 19207

Ion Ratio Lower Upper

202 100

101 14.4 0.0 30.3

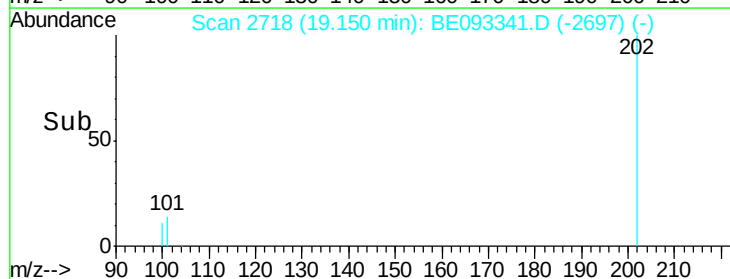
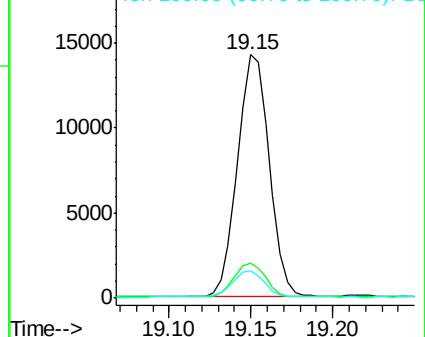
100 11.2 0.0 39.5

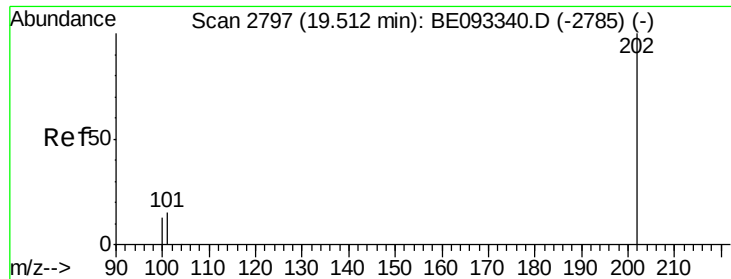


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

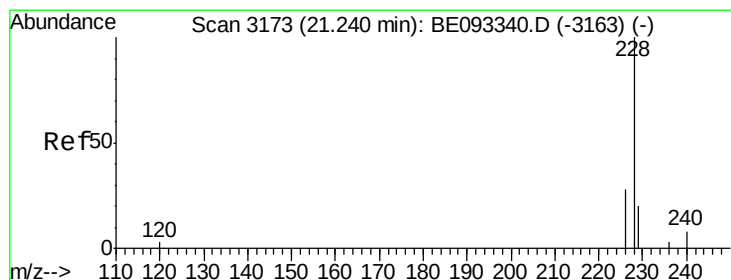
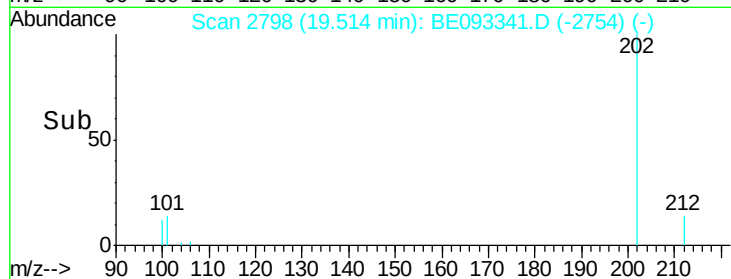
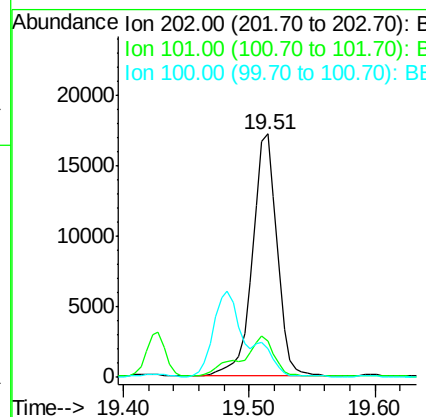
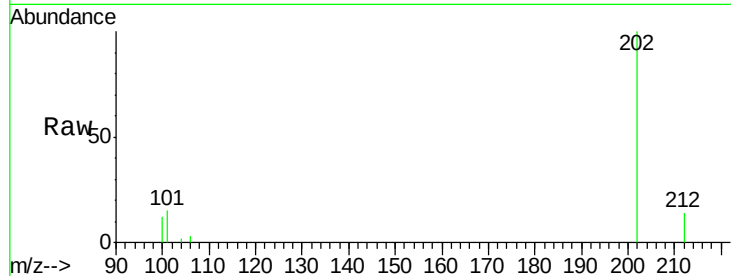




#17
Pyrene
 Concen: 0.61 ng/ul
 RT: 19.51 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BE093341.D
 Acq: 23 Jun 2017 17:41

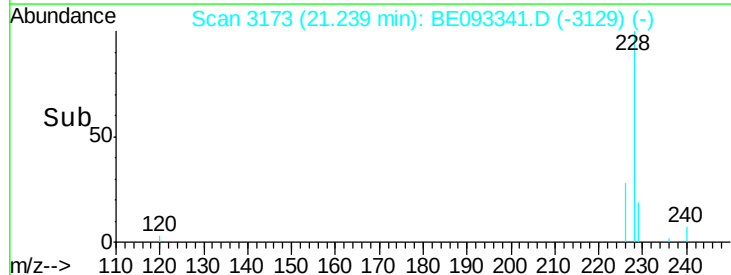
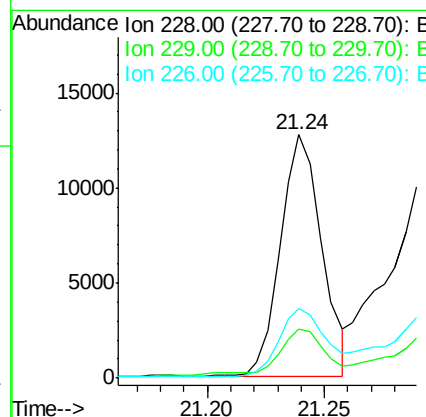
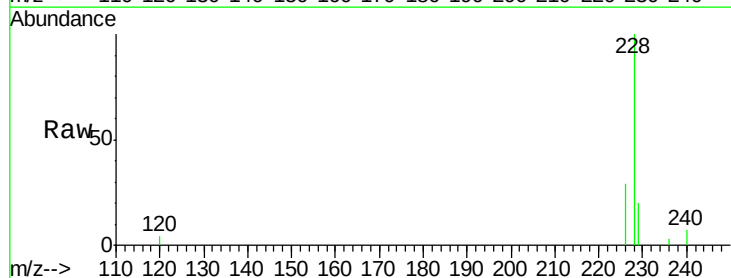
Instrument :
 BNA_E
 ClientSampleId :
 F5B18

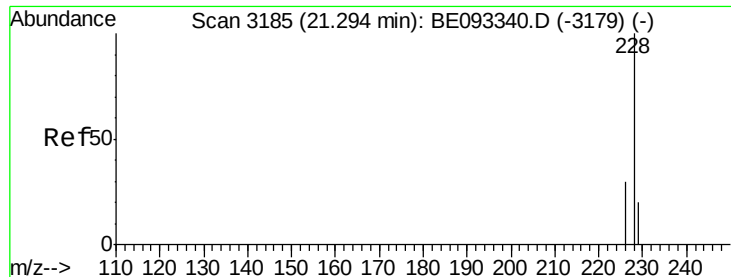
Tgt Ion:202 Resp: 23296
 Ion Ratio Lower Upper
 202 100
 101 14.6 18.2 27.4#
 100 11.8 15.6 23.4#



#18
Benzo(a)anthracene
 Concen: 0.45 ng/ul
 RT: 21.24 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: BE093341.D
 Acq: 23 Jun 2017 17:41

Tgt Ion:228 Resp: 15590
 Ion Ratio Lower Upper
 228 100
 229 20.3 22.8 34.2#
 226 28.5 17.0 25.6#





#19

Chrysene

Concen: 0.47 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

Instrument :

BNA_E

ClientSampleId :

F5B18

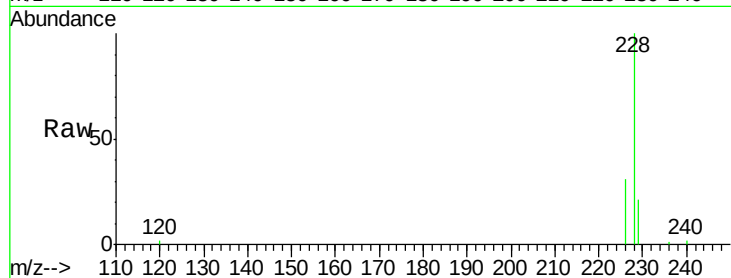
Tgt Ion:228 Resp: 16724

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.0

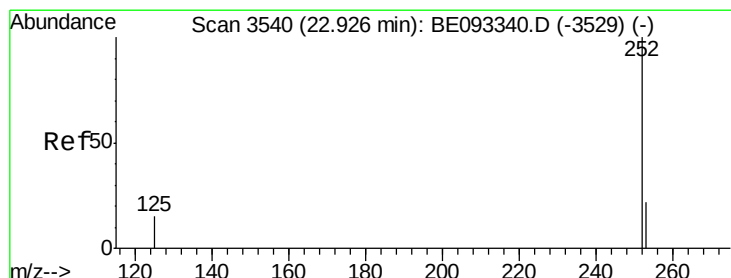
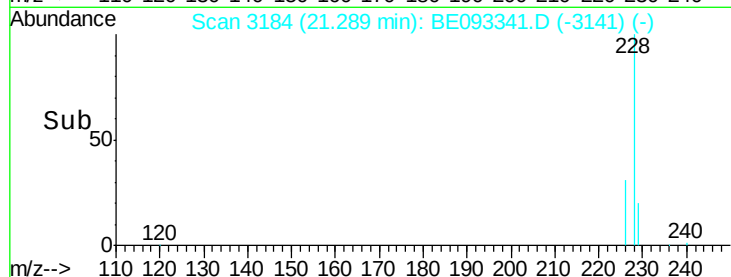
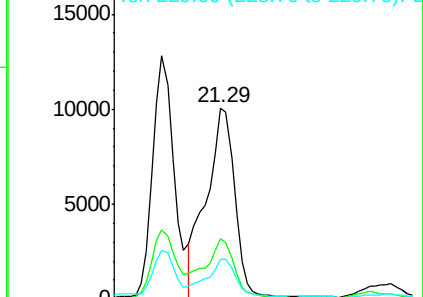
229 20.8 17.7 26.5



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: 1.01 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

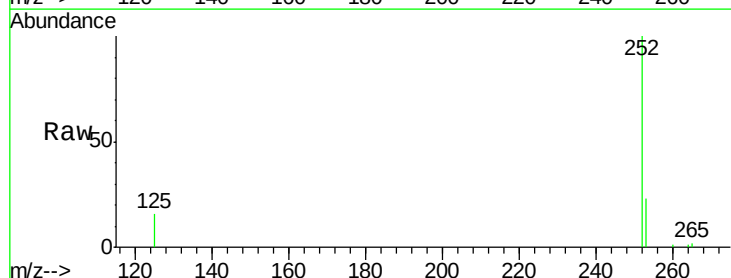
Tgt Ion:252 Resp: 40768

Ion Ratio Lower Upper

252 100

253 23.1 0.0 64.2

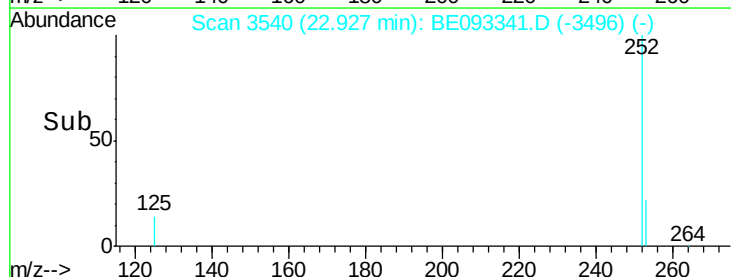
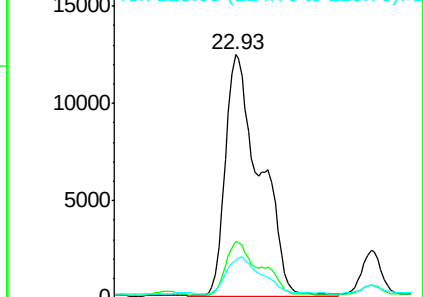
125 15.6 0.0 35.0

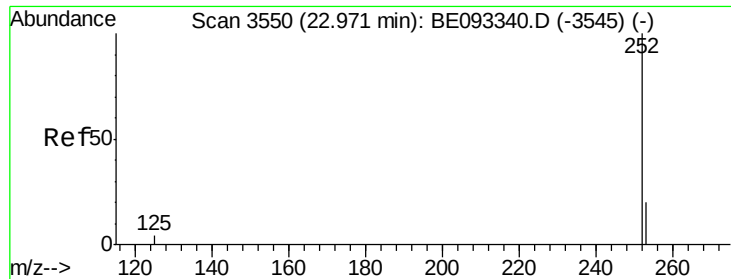


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.95 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.04 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

Instrument :

BNA_E

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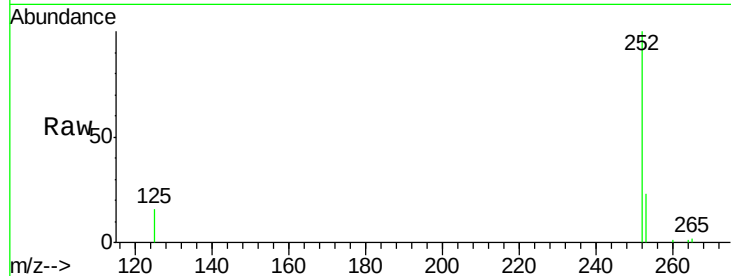
Tgt Ion:252 Resp: 40768

Ion Ratio Lower Upper

252 100

253 23.1 24.5 36.7#

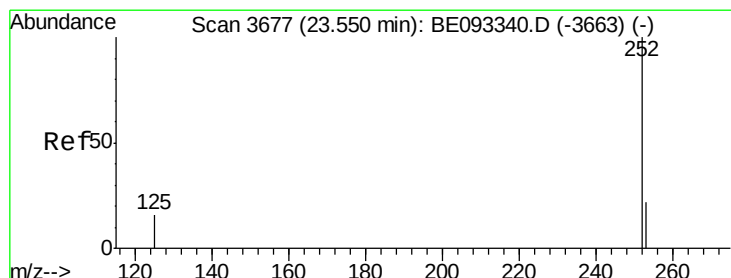
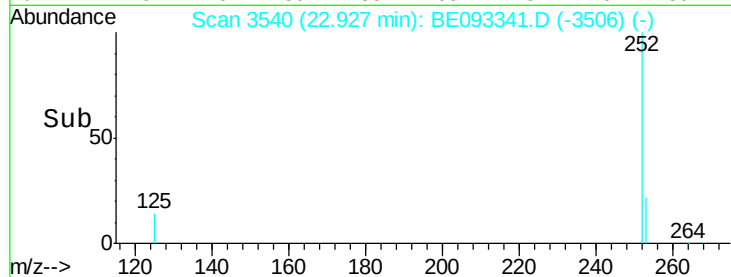
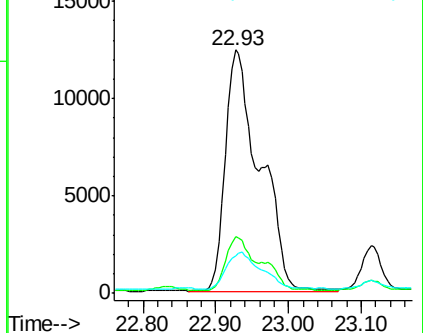
125 15.6 13.7 20.5



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: 0.39 ng/ul

RT: 23.56 min Scan# 3678

Delta R.T. 0.01 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

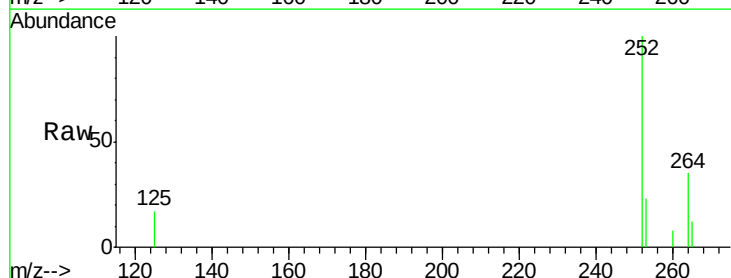
Tgt Ion:252 Resp: 14748

Ion Ratio Lower Upper

252 100

253 23.4 28.5 42.7#

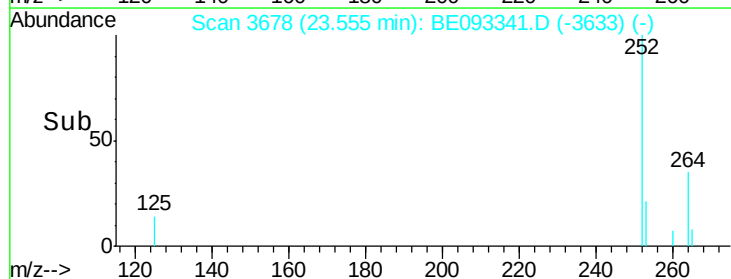
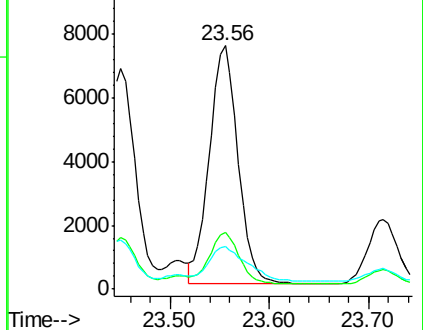
125 17.3 18.1 27.1#

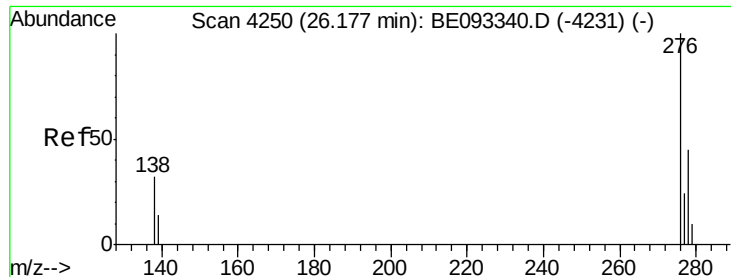


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.22 ng/ul

RT: 26.17 min Scan# 4249

Delta R.T. -0.00 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

Instrument :

BNA_E

ClientSampleId :

F5B18

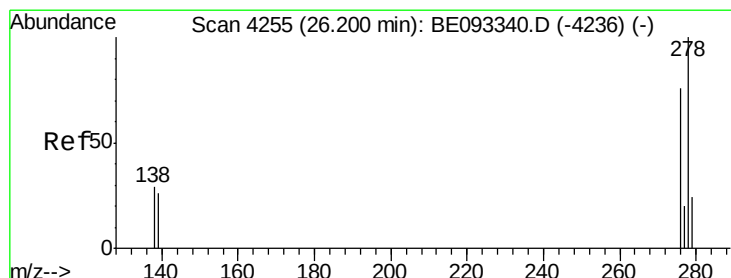
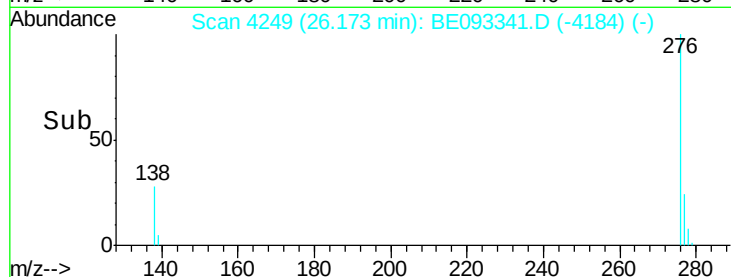
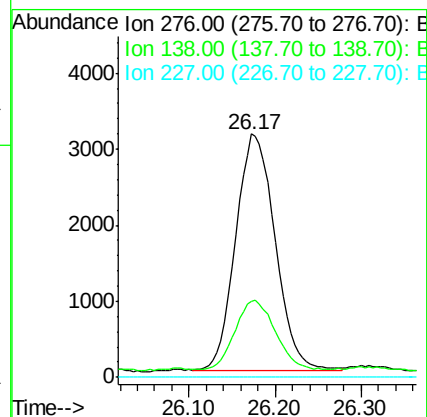
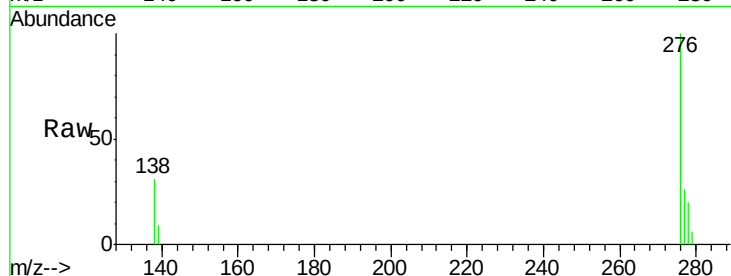
Tgt Ion:276 Resp: 9892

Ion Ratio Lower Upper

276 100

138 30.7 28.0 42.0

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 26.19 min Scan# 4253

Delta R.T. -0.01 min

Lab File: BE093341.D

Acq: 23 Jun 2017 17:41

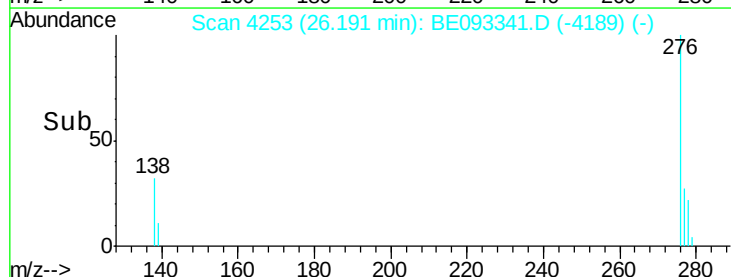
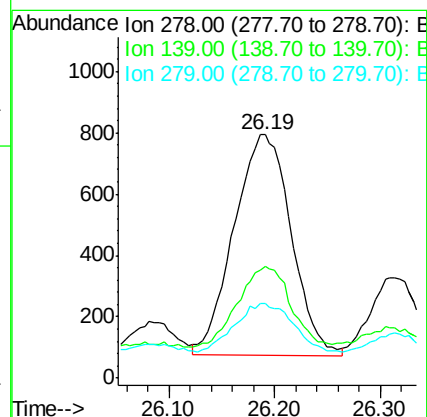
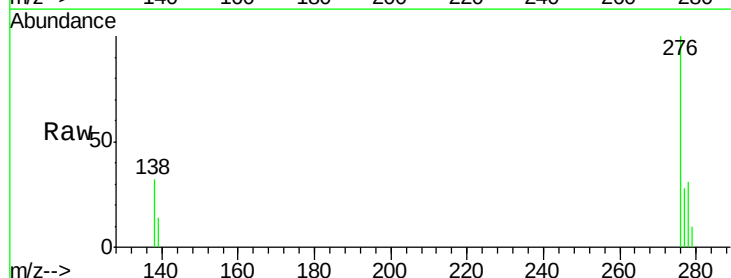
Tgt Ion:278 Resp: 2717

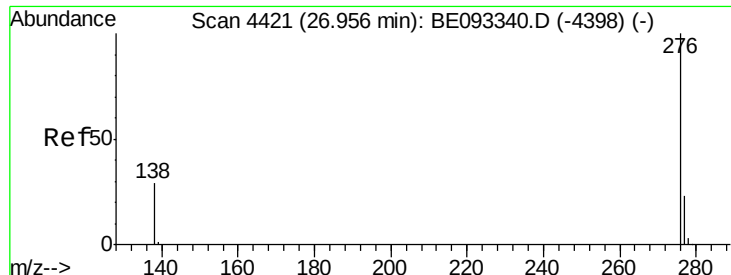
Ion Ratio Lower Upper

278 100

139 45.8 17.4 26.0#

279 30.7 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 0.20 ng/ul

RT: 26.95 min Scan# 4420

Delta R.T. -0.00 min

Lab File: BE093341.D

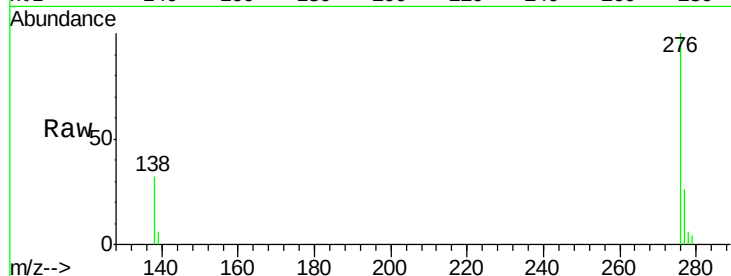
Acq: 23 Jun 2017 17:41

Instrument :

BNA_E

ClientSampleId :

F5B18



Tgt Ion: 276 Resp: 7654

Ion Ratio Lower Upper

276 100

138 31.8 21.8 32.8

277 26.3 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

