

Data File : BE093356.D
Acq On : 24 Jun 2017 11:32
Operator : SJ/JU
Sample : I3653-10DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5C53DL

Quant Time: Jun 26 01:13:54 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 01:13:30 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1401	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	7148	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4297	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	11085	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11651	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11201	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	458	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1291	0.04	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.56	128	84565	4.77	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	13506	1.11	ng/ul	98
7) Acenaphthylene	14.08	152	741	0.04	ng/ul#	78
8) Acenaphthene	14.42	153	8951	0.60	ng/ul	97
9) Fluorene	15.42	166	9962	0.57	ng/ul	96
11) Pentachlorophenol	16.75	266	19	0.01	ng/ul#	37
12) Phenanthrene	17.14	178	75266	2.47	ng/ul#	91
13) Anthracene	17.22	178	5499	0.21	ng/ul#	91
15) Fluoranthene	19.15	202	33722	0.90	ng/ul	83
17) Pyrene	19.51	202	24555	0.71	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	7057	0.23	ng/ul#	85
19) Chrysene	21.29	228	6830	0.21	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	6700	0.20	ng/ul	91
22) Benzo(k)fluoranthene	22.93	252	6700	0.19	ng/ul#	93
23) Benzo(a)pyrene	23.55	252	3234	0.10	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	26.18	276	1386	0.04	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.19	278	418	0.01	ng/ul#	1
26) Benzo(g,h,i)perylene	26.96	276	1049	0.03	ng/ul#	74

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

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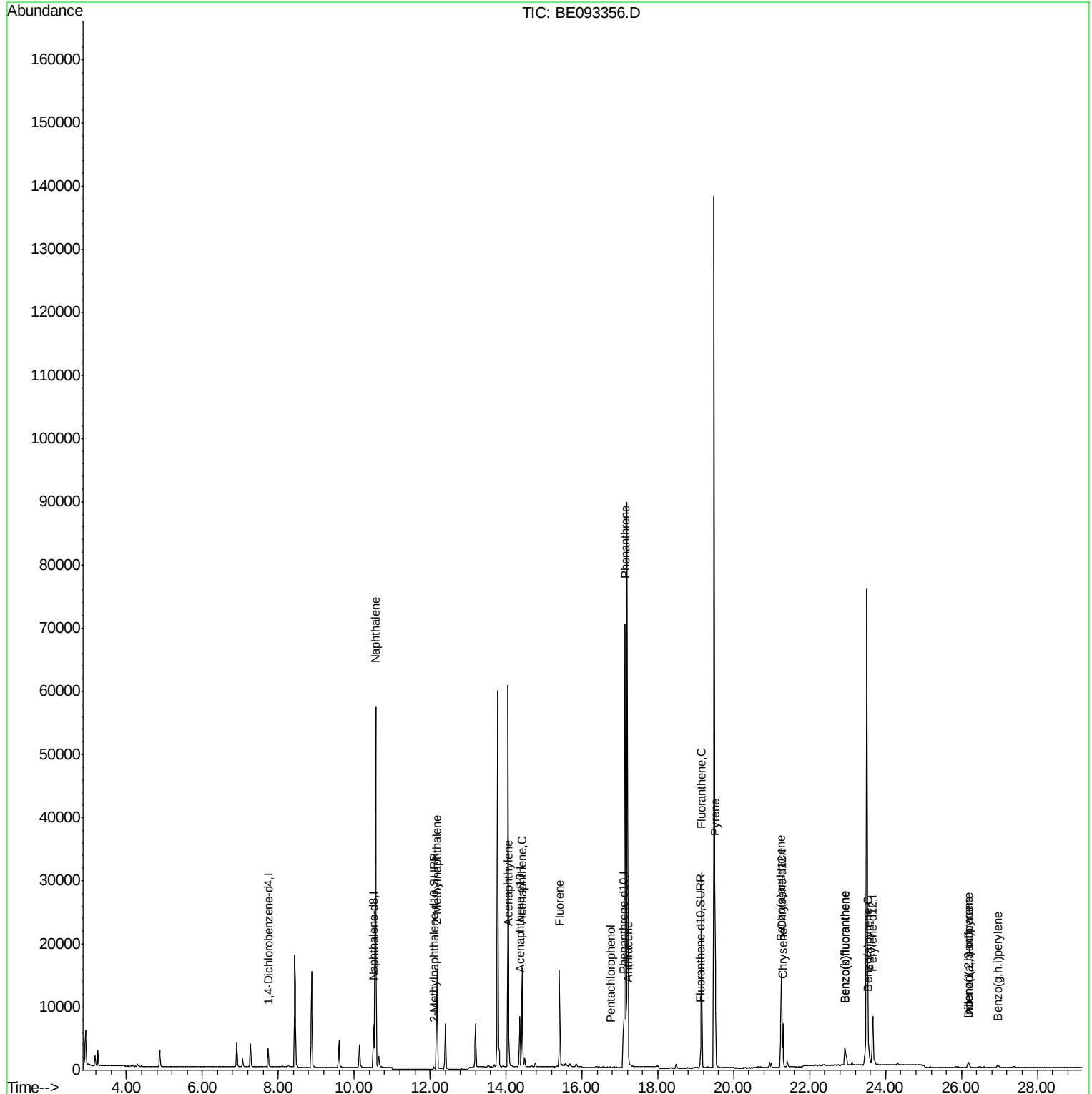
Quant Time: Jun 26 01:13:54 2017

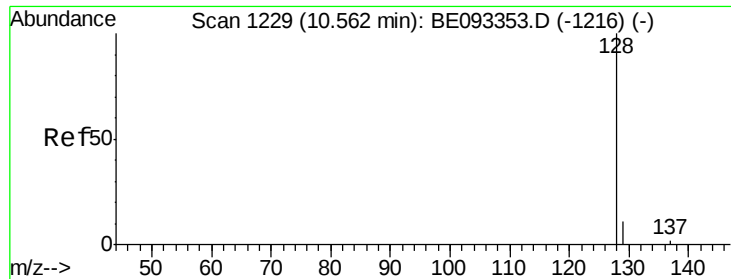
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 4.77 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_E

ClientSampleId :

F5C53DL

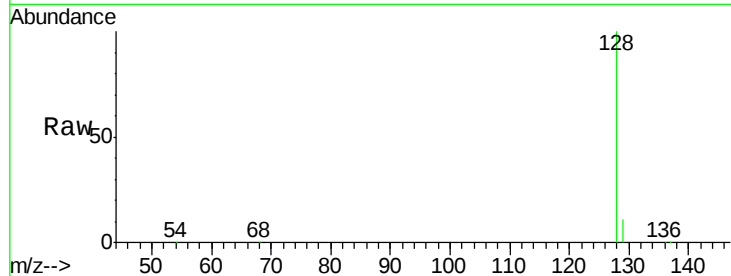
Tgt Ion:128 Resp: 84565

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

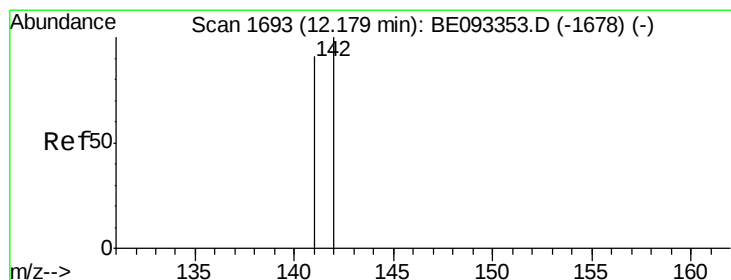
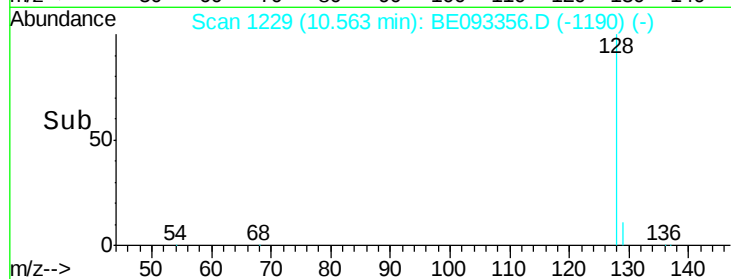
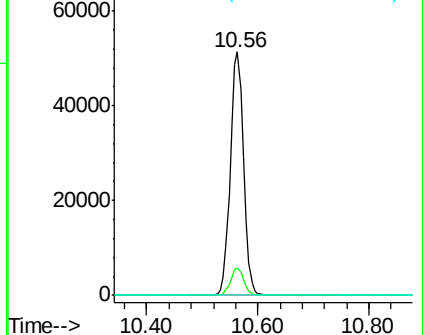
127 0.0 4.0 6.0#



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: 1.11 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. 0.00 min

Lab File: BE093356.D

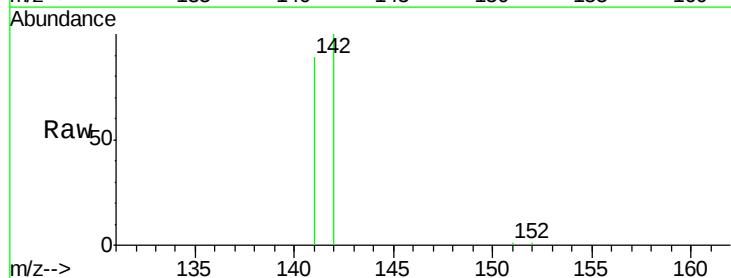
Acq: 24 Jun 2017 11:32

Tgt Ion:142 Resp: 13506

Ion Ratio Lower Upper

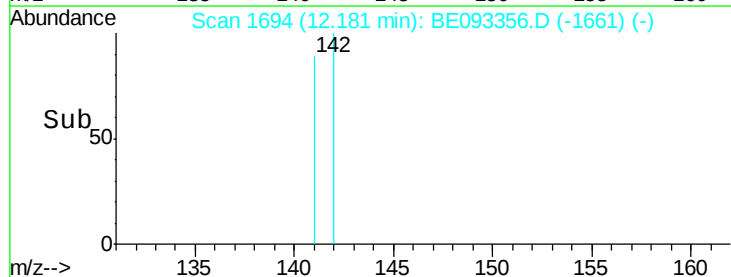
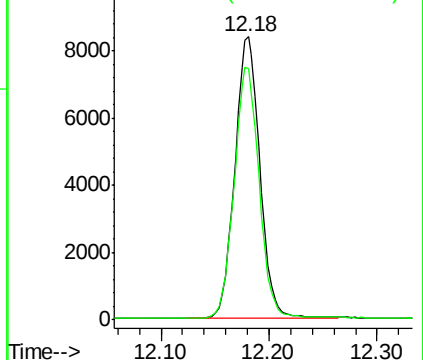
142 100

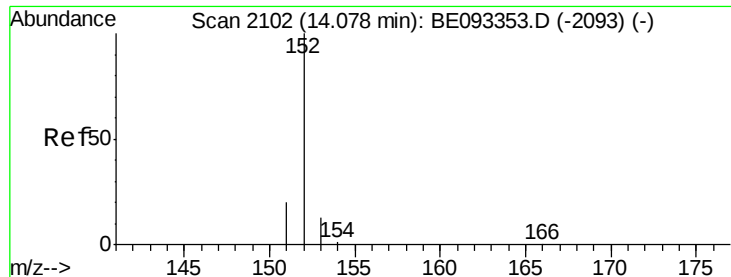
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_E

ClientSampleId :

F5C53DL

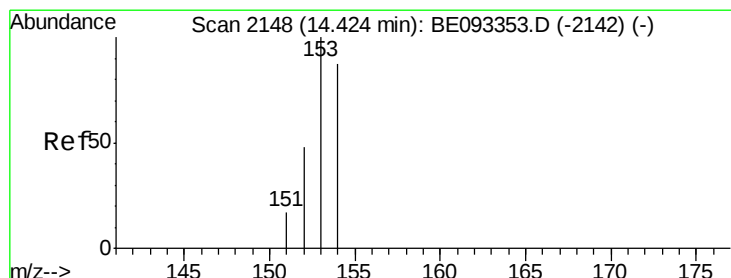
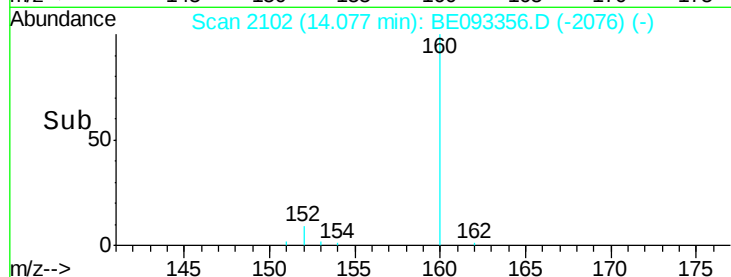
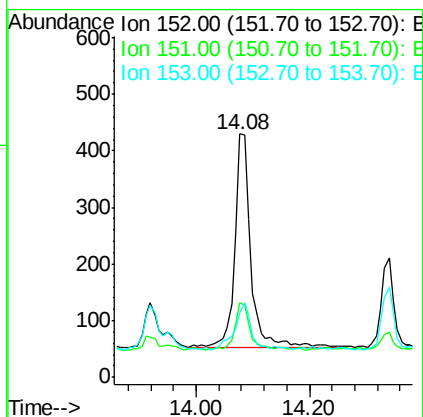
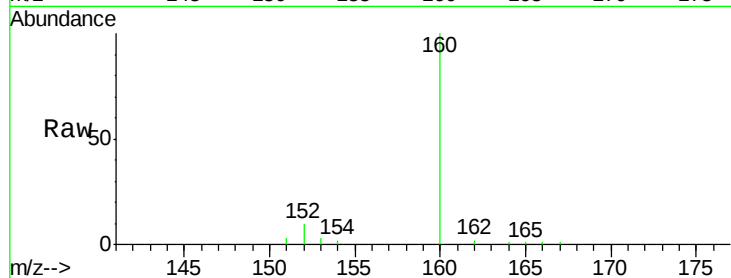
Tgt Ion:152 Resp: 741

Ion Ratio Lower Upper

152 100

151 30.5 17.1 25.7#

153 26.5 12.8 19.2#



#8

Acenaphthene

Concen: 0.60 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

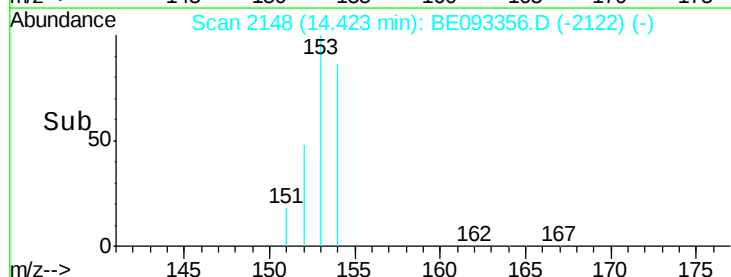
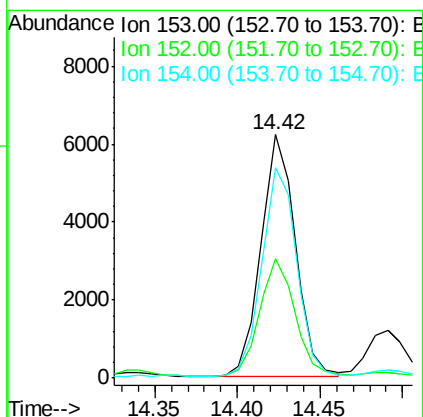
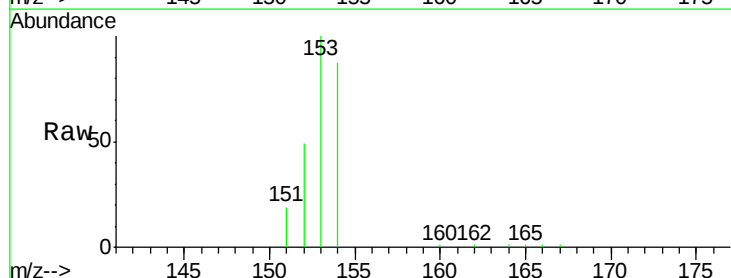
Tgt Ion:153 Resp: 8951

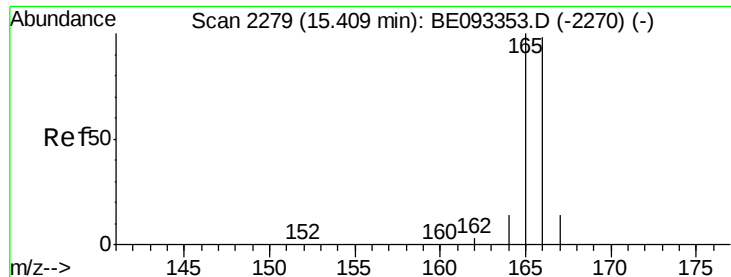
Ion Ratio Lower Upper

153 100

152 49.0 40.3 60.5

154 86.5 71.4 107.2





#9

Fluorene

Concen: 0.57 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_E

ClientSampleId :

F5C53DL

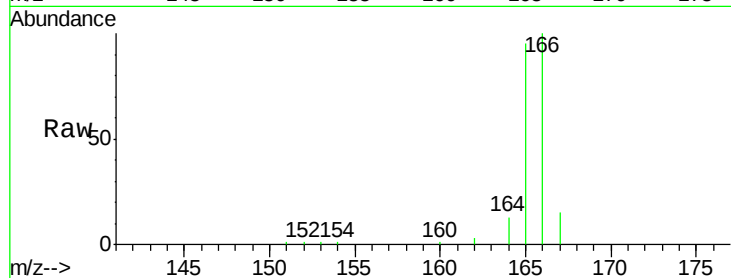
Tgt Ion:166 Resp: 9962

Ion Ratio Lower Upper

166 100

165 95.5 73.4 110.2

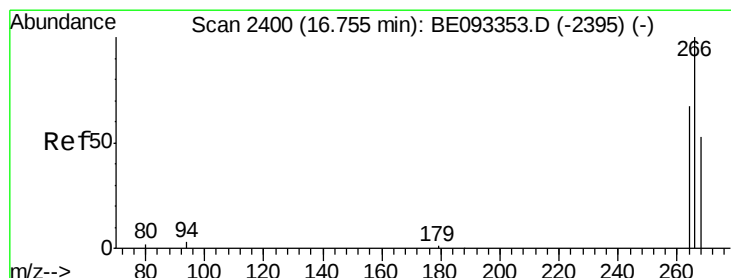
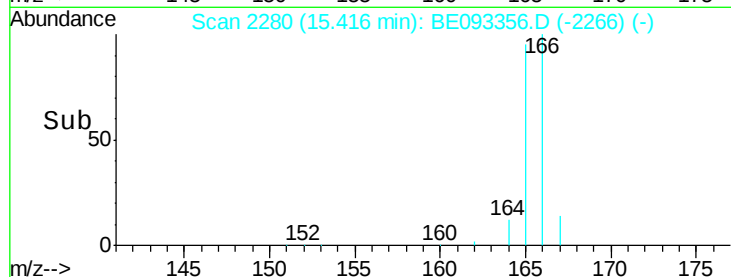
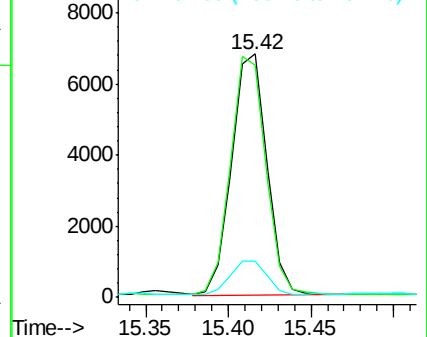
167 15.0 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

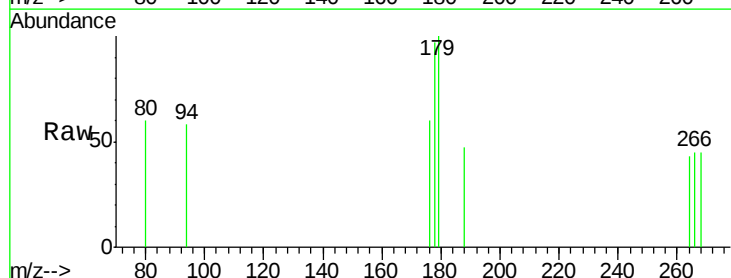
Tgt Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

264 26.3 47.9 71.9#

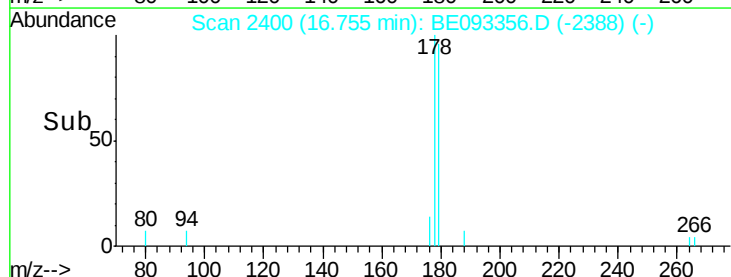
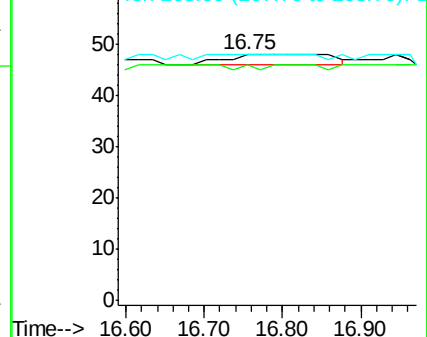
268 0.0 49.8 74.8#

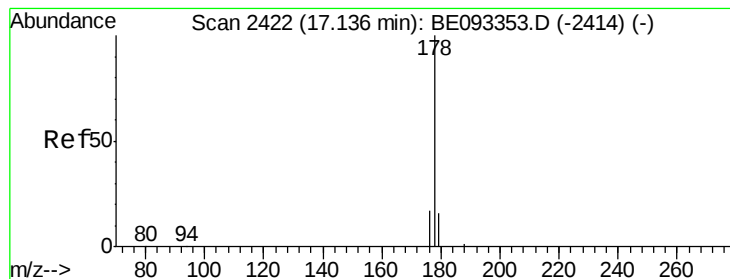


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 2.47 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_E

ClientSampleId :

F5C53DL

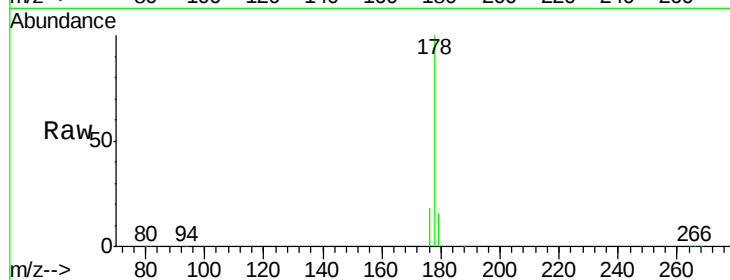
Tgt Ion:178 Resp: 75266

Ion Ratio Lower Upper

178 100

179 15.8 18.4 27.6#

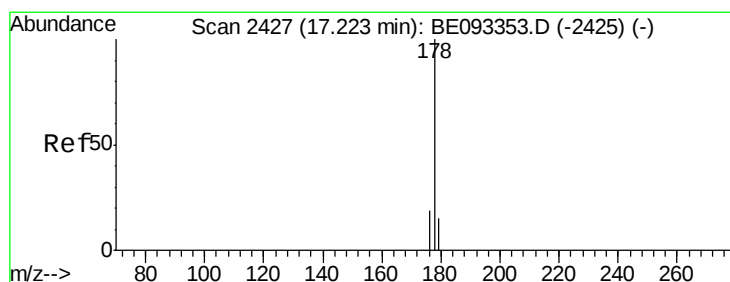
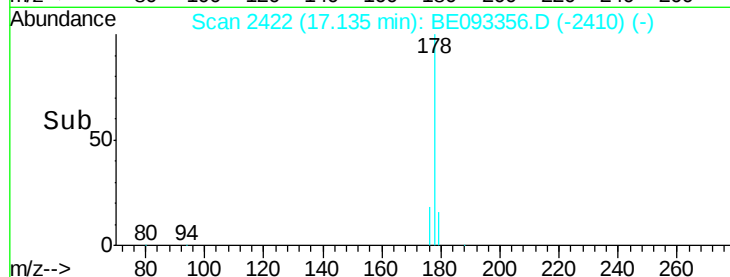
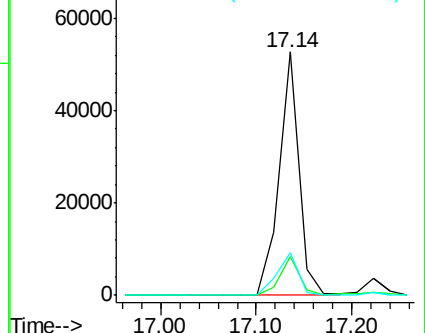
176 17.7 13.6 20.4



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: 0.21 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

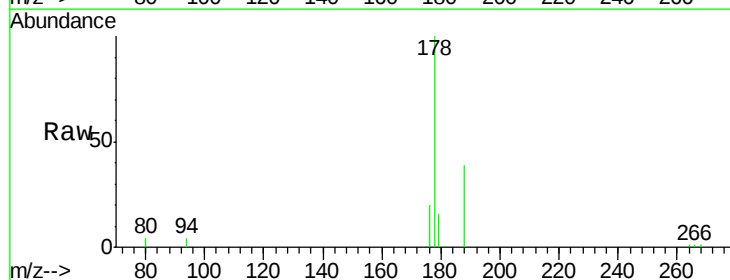
Tgt Ion:178 Resp: 5499

Ion Ratio Lower Upper

178 100

179 16.5 18.1 27.1#

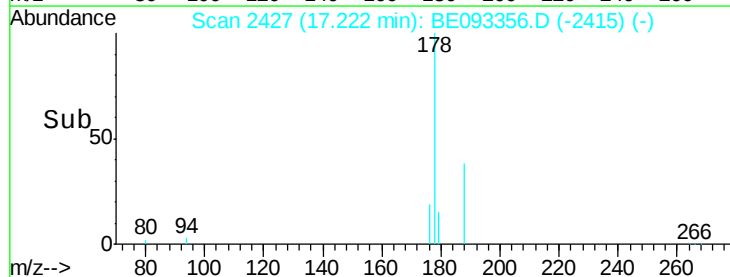
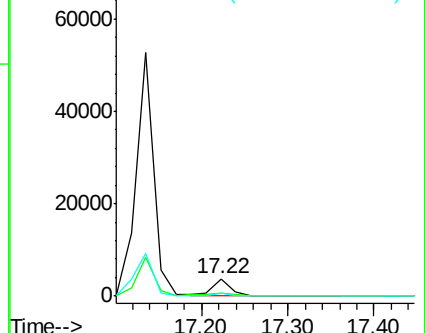
176 20.1 14.7 22.1

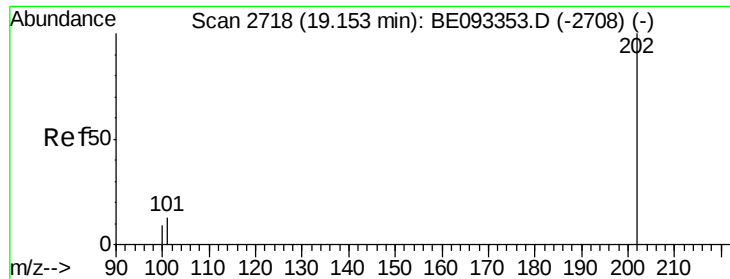


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

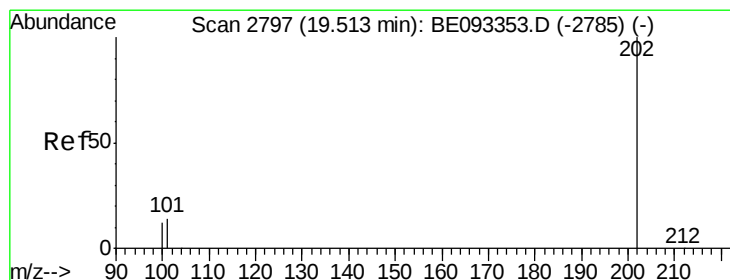
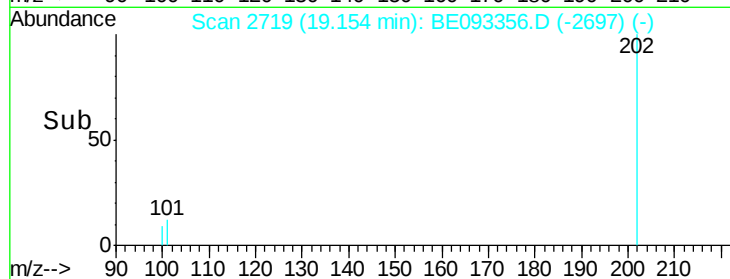
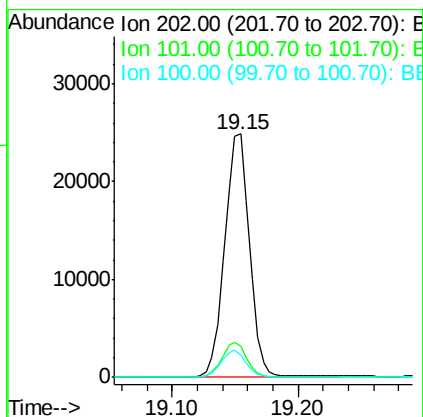
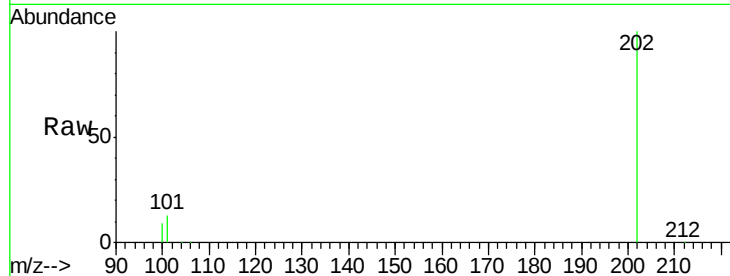




#15
Fluoranthene
Concen: 0.90 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE093356.D
Acq: 24 Jun 2017 11:32

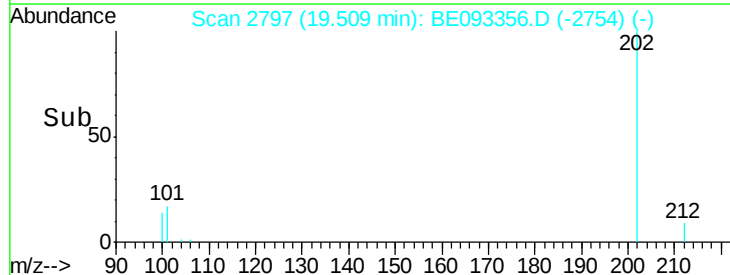
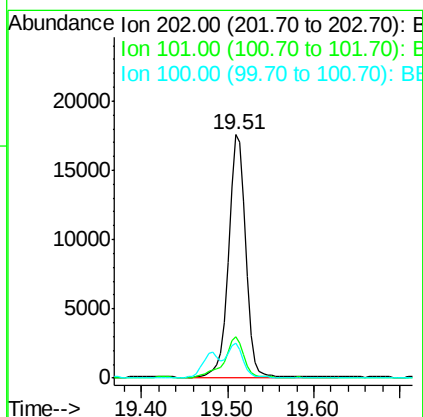
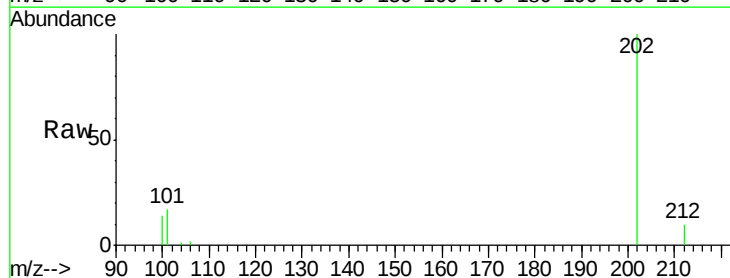
Instrument :
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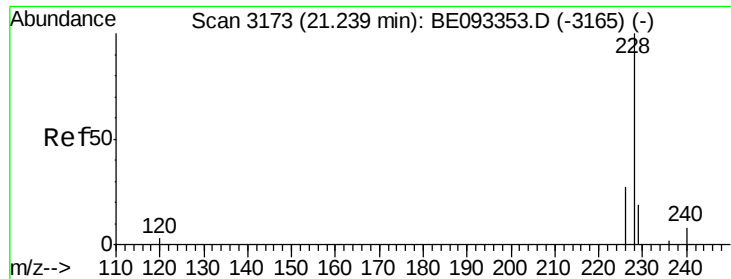
Tgt Ion:202 Resp: 33722
Ion Ratio Lower Upper
202 100
101 12.7 0.0 30.3
100 9.2 0.0 39.5



#17
Pyrene
Concen: 0.71 ng/ul
RT: 19.51 min Scan# 2797
Delta R.T. -0.00 min
Lab File: BE093356.D
Acq: 24 Jun 2017 11:32

Tgt Ion:202 Resp: 24555
Ion Ratio Lower Upper
202 100
101 16.9 18.2 27.4#
100 14.2 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.23 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_E

ClientSampleId :

F5C53DL

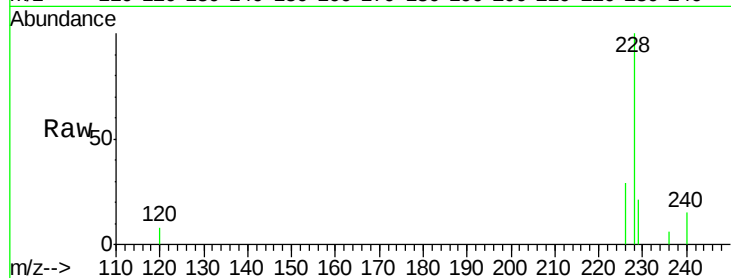
Tgt Ion:228 Resp: 7057

Ion Ratio Lower Upper

228 100

229 20.7 22.8 34.2#

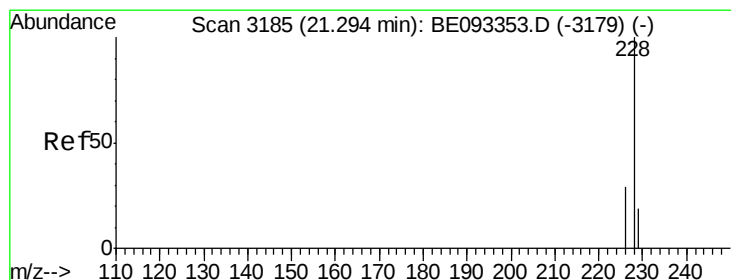
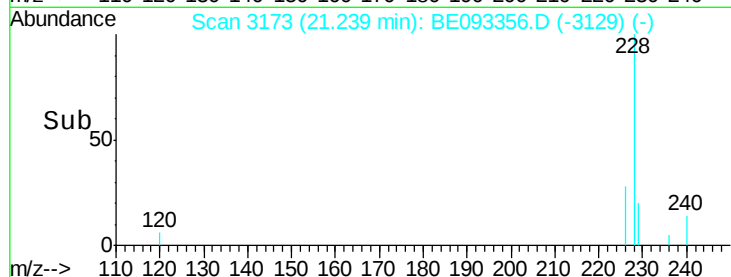
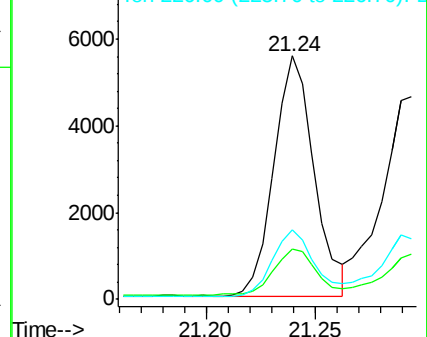
226 28.7 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.21 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

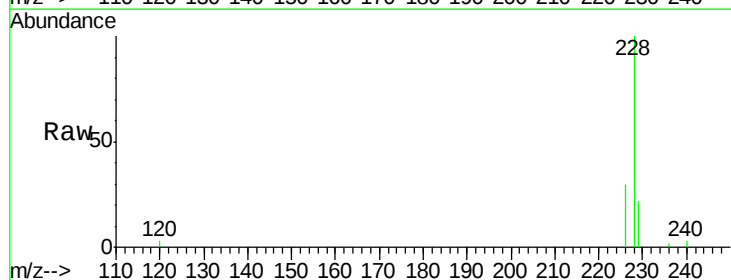
Tgt Ion:228 Resp: 6830

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

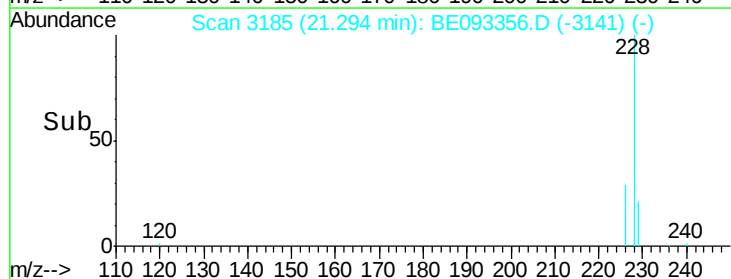
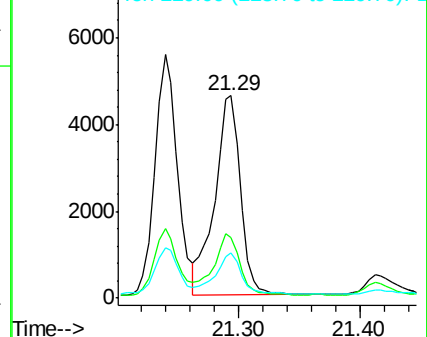
229 22.3 17.7 26.5

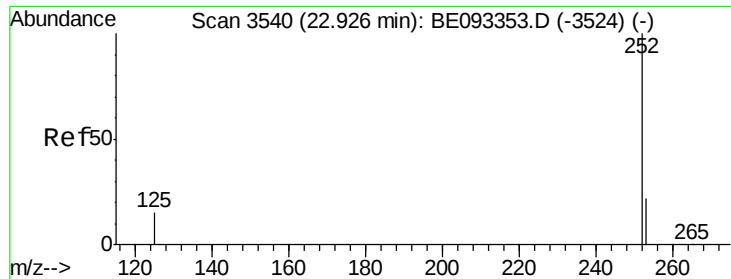


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.20 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BE093356.D

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Instrument :

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ClientSampleId :

F5C53DL

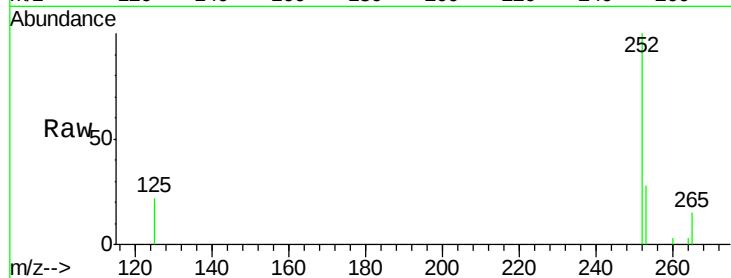
Tgt Ion:252 Resp: 6700

Ion Ratio Lower Upper

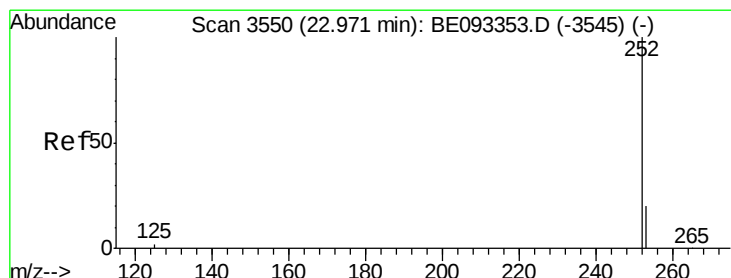
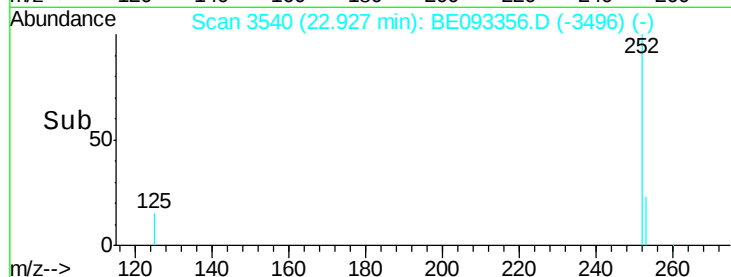
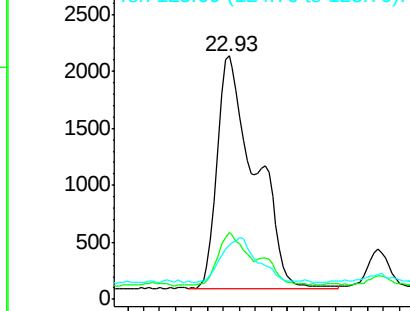
252 100

253 27.7 0.0 64.2

125 22.1 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: 0.19 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.04 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

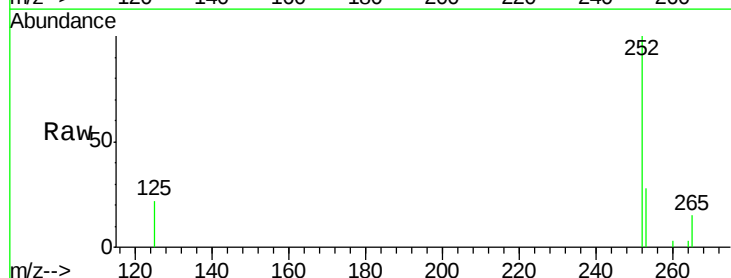
Tgt Ion:252 Resp: 6700

Ion Ratio Lower Upper

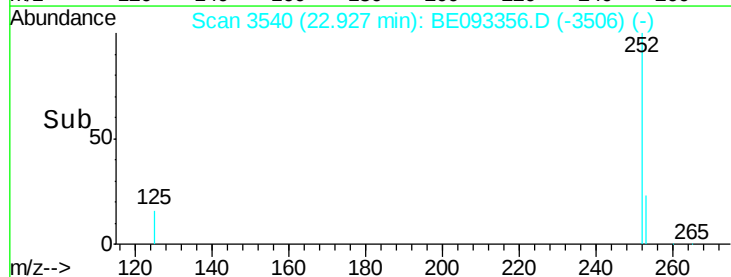
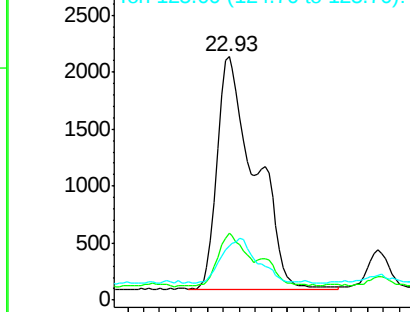
252 100

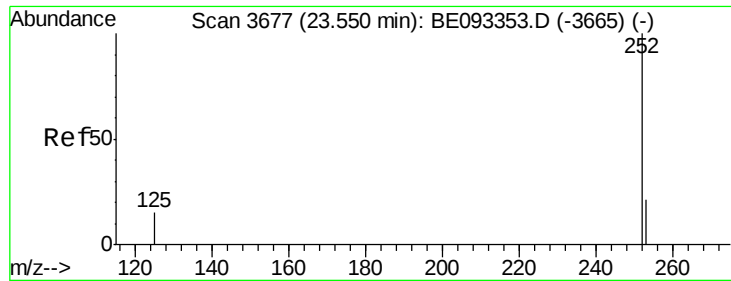
253 27.7 24.5 36.7

125 22.1 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: 0.10 ng/ul

RT: 23.55 min Scan# 3677

Delta R.T. 0.00 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

Instrument :

BNA_E

ClientSampleId :

F5C53DL

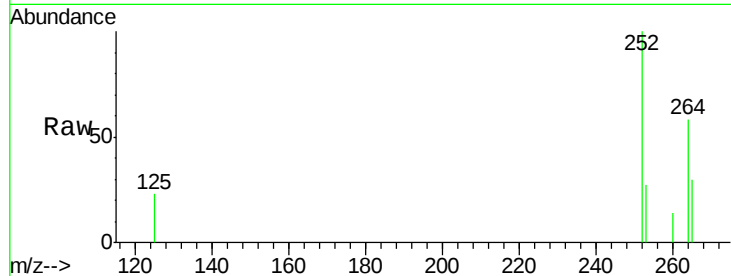
Tgt Ion: 252 Resp: 3234

Ion Ratio Lower Upper

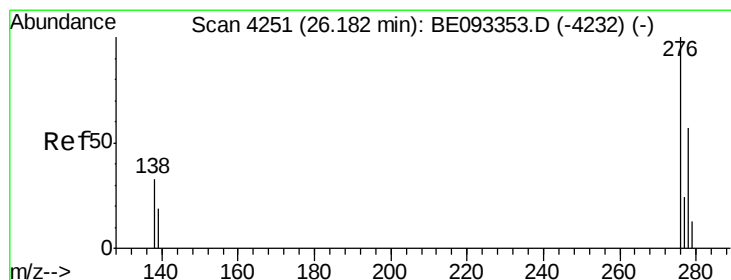
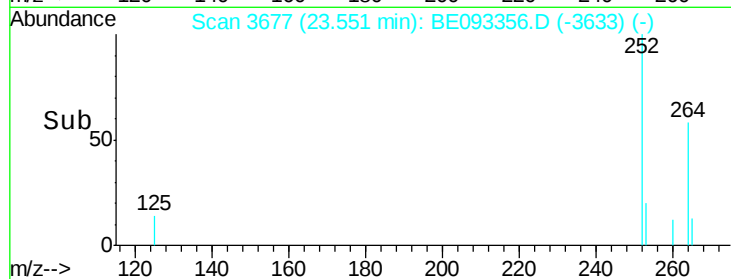
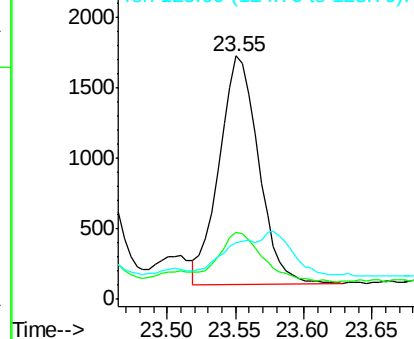
252 100

253 27.3 28.5 42.7#

125 23.3 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: 0.04 ng/ul

RT: 26.18 min Scan# 4250

Delta R.T. -0.00 min

Lab File: BE093356.D

Acq: 24 Jun 2017 11:32

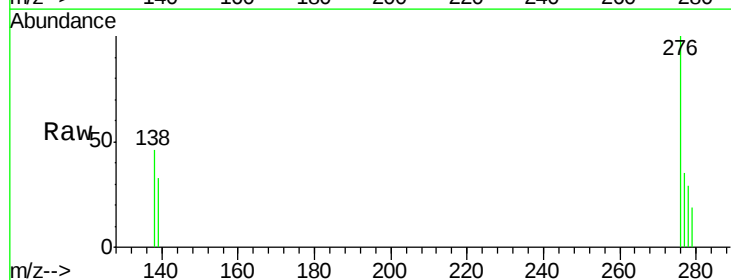
Tgt Ion: 276 Resp: 1386

Ion Ratio Lower Upper

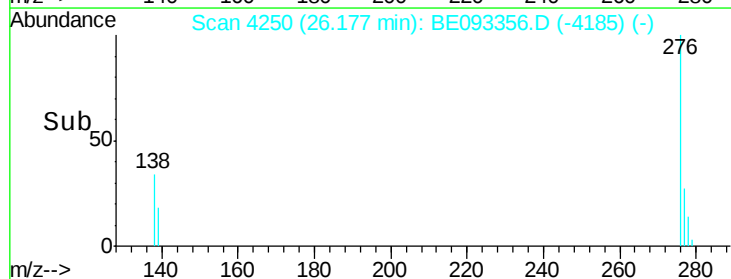
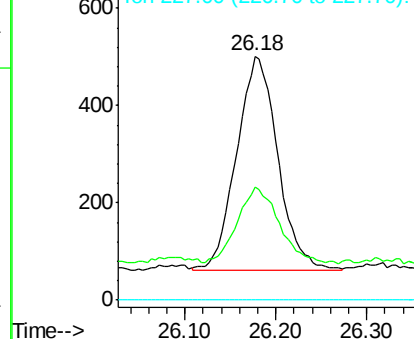
276 100

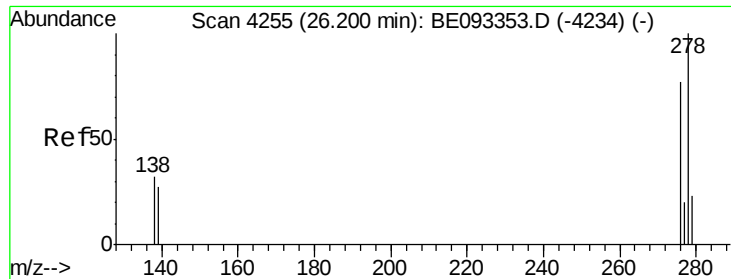
138 36.3 28.0 42.0

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

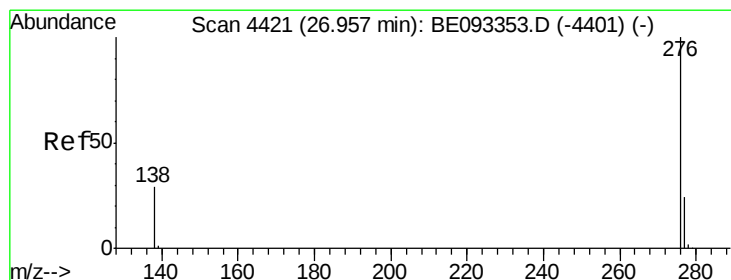
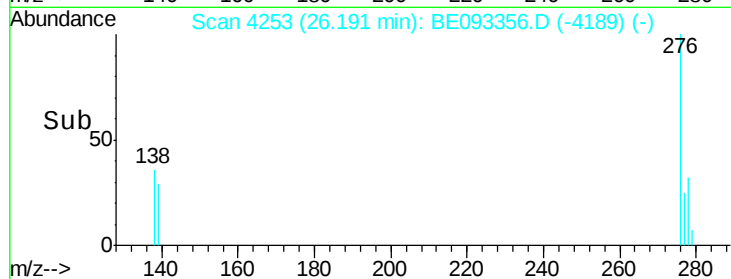
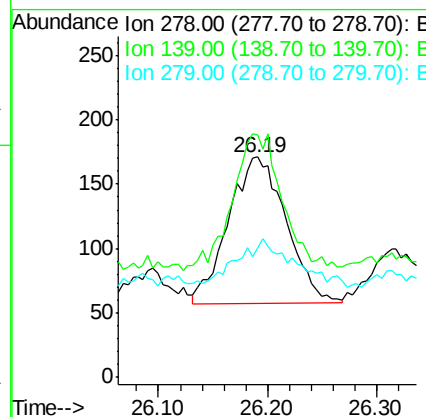
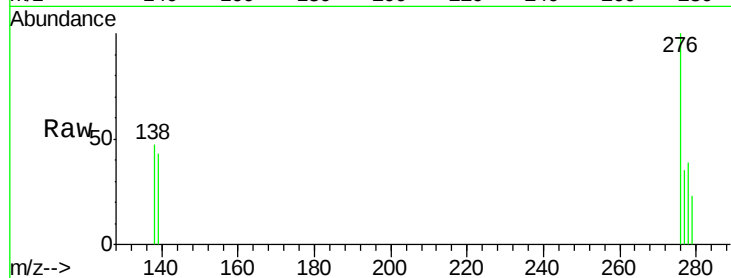




#25
Dibenzo(a,h)anthracene
Concen: 0.01 ng/ul
RT: 26.19 min Scan# 4253
Delta R.T. -0.01 min
Lab File: BE093356.D
Acq: 24 Jun 2017 11:32

Instrument :
BNA_E
ClientSampleId :
F5C53DL

Tgt Ion: 278 Resp: 418
Ion Ratio Lower Upper
278 100
139 109.9 17.4 26.0#
279 59.1 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.03 ng/ul
RT: 26.96 min Scan# 4422
Delta R.T. 0.00 min
Lab File: BE093356.D
Acq: 24 Jun 2017 11:32

Tgt Ion: 276 Resp: 1049
Ion Ratio Lower Upper
276 100
138 44.0 21.8 32.8#
277 35.6 20.5 30.7#

