

Data File : BE093289.D
Acq On : 20 Jun 2017 19:49
Operator : SJ/JU
Sample : I3627-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5A91

Quant Time: Jun 21 01:51:34 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 01:49:50 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1809	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9364	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	6075	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14119	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	14246	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	724211	0.40	ng/ul	-0.15

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3694	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	10146	0.26	ng/ul	0.00

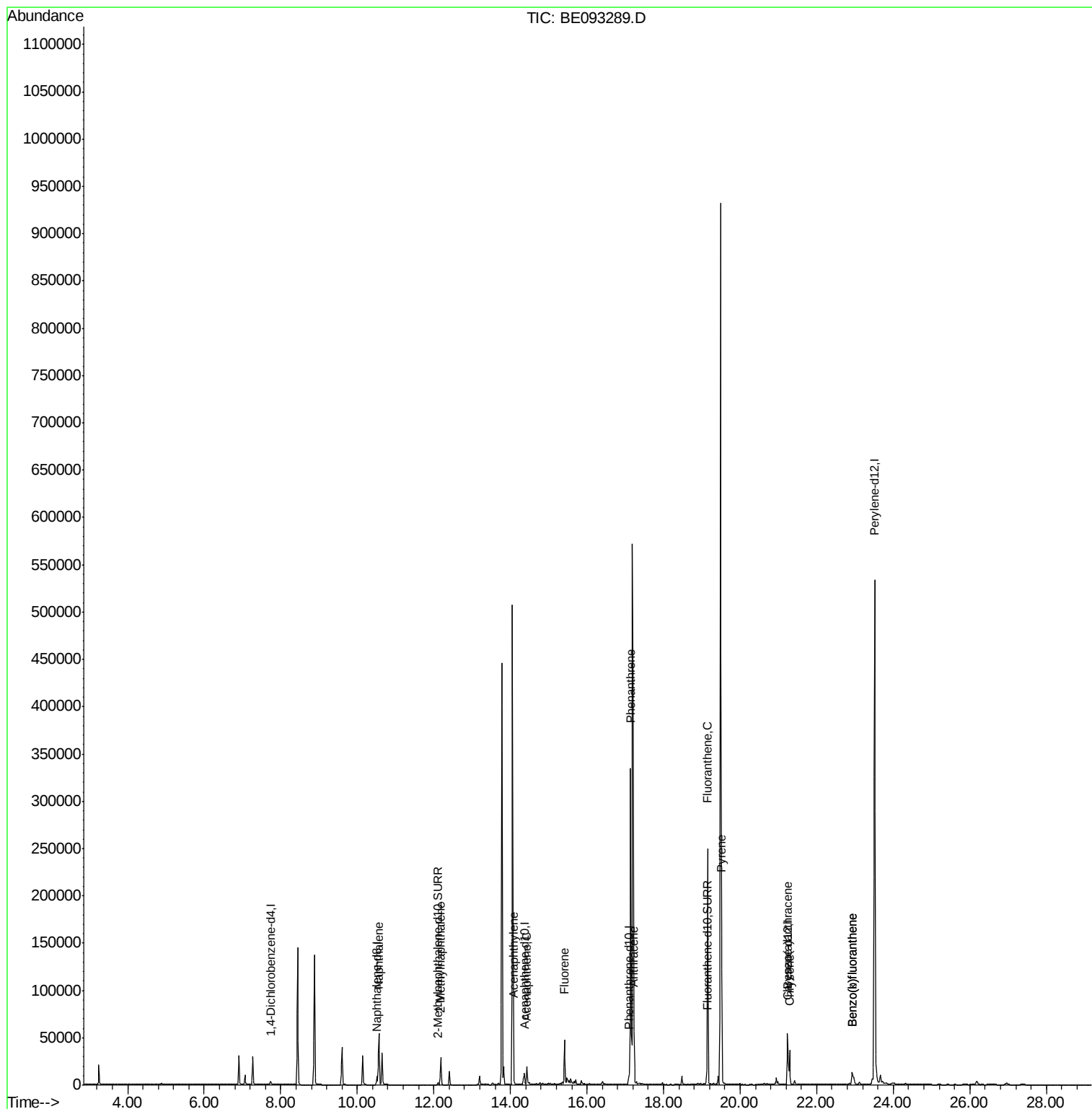
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	80614	3.47	ng/ul#	90
5) 2-Methylnaphthalene	12.18	142	23975	1.51	ng/ul	98
7) Acenaphthylene	14.09	152	2415	0.09	ng/ul#	90
8) Acenaphthene	14.42	153	11563	0.55	ng/ul	97
9) Fluorene	15.42	166	28668	1.16	ng/ul	93
12) Phenanthrene	17.14	178	351158	9.04	ng/ul#	89
13) Anthracene	17.22	178	47482	1.40	ng/ul#	89
15) Fluoranthene	19.15	202	265180	5.57	ng/ul	84
17) Pyrene	19.52	202	167199	3.98	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	46226	1.22	ng/ul#	85
19) Chrysene	21.29	228	36411	0.92	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	22054	0.01	ng/ul	90
22) Benzo(k)fluoranthene	22.93	252	30753	0.01	ng/ul#	92

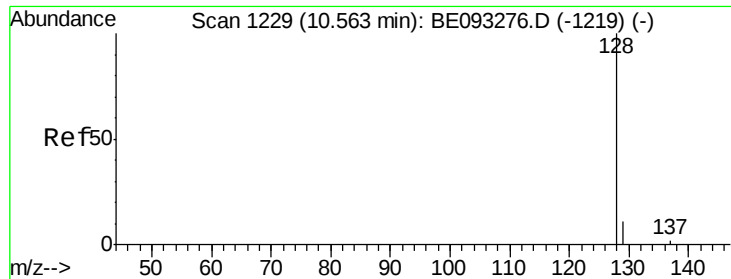
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.47 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

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BNA_E

ClientSampleId :

F5A91

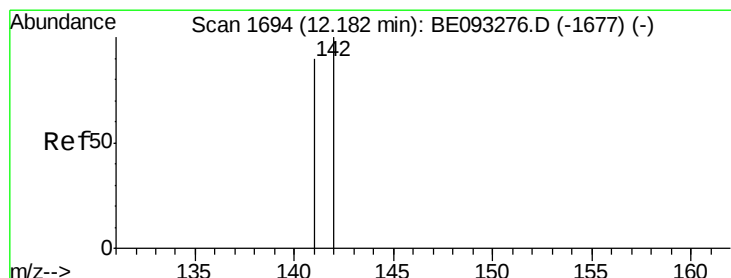
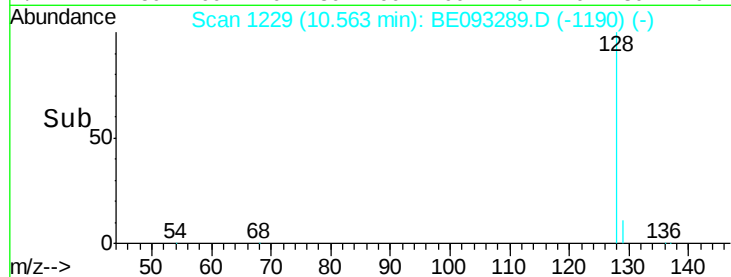
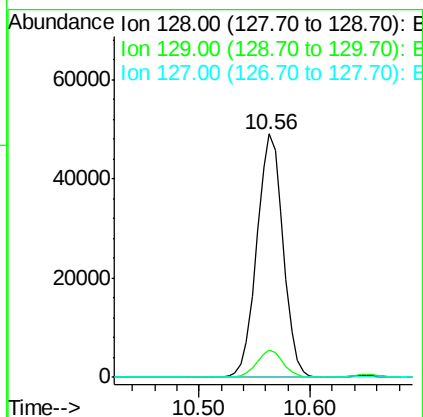
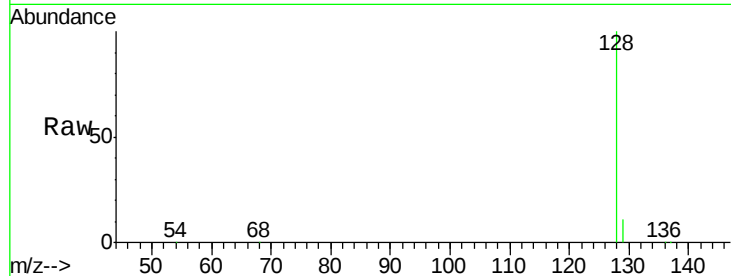
Tgt Ion:128 Resp: 80614

Ion Ratio Lower Upper

128 100

129 11.0 11.3 16.9#

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 1.51 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093289.D

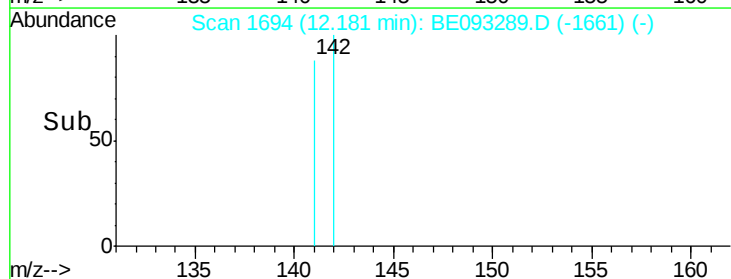
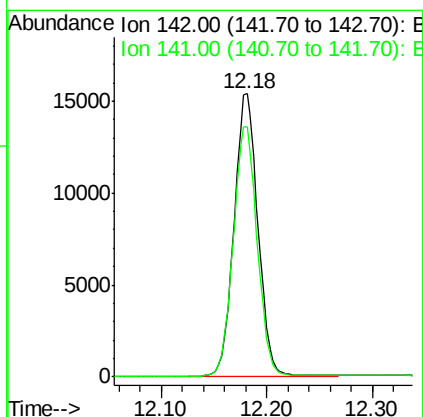
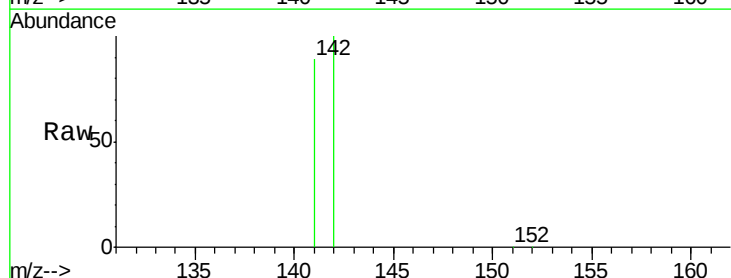
Acq: 20 Jun 2017 19:49

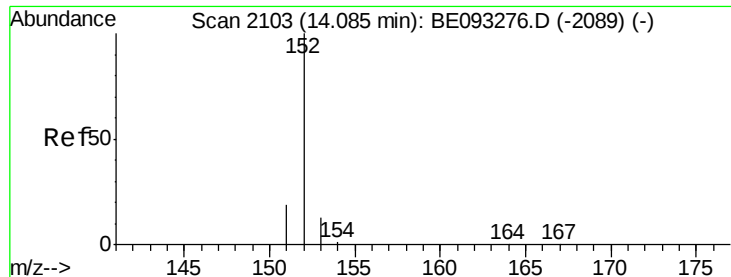
Tgt Ion:142 Resp: 23975

Ion Ratio Lower Upper

142 100

141 89.1 72.6 108.8





#7

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093289.D

Acq: 20 Jun 2017 19:49

Instrument :

BNA_E

ClientSampleId :

F5A91

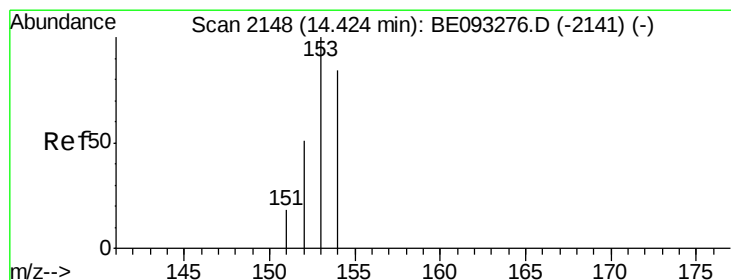
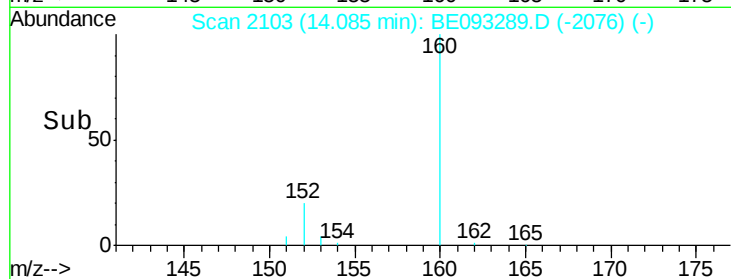
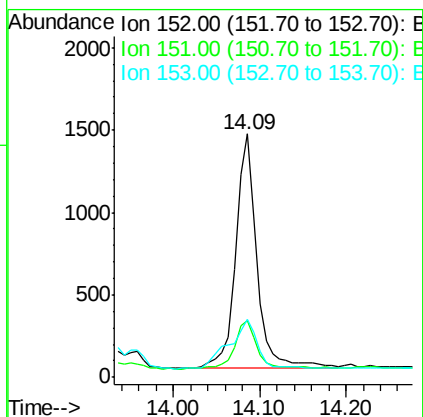
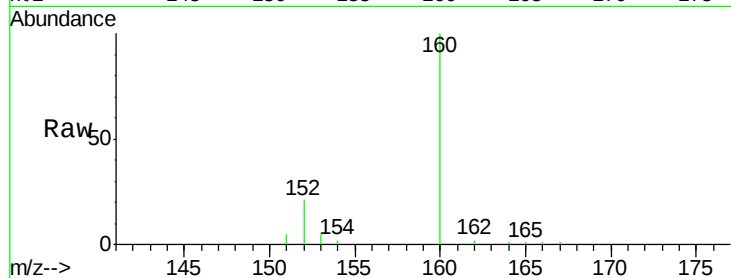
Tgt Ion:152 Resp: 2415

Ion Ratio Lower Upper

152 100

151 23.6 17.1 25.7

153 23.7 12.8 19.2#



#8

Acenaphthene

Concen: 0.55 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093289.D

Acq: 20 Jun 2017 19:49

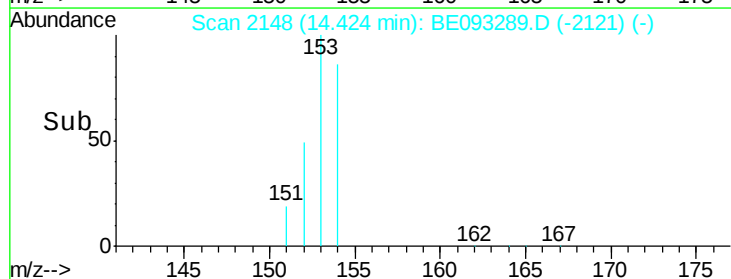
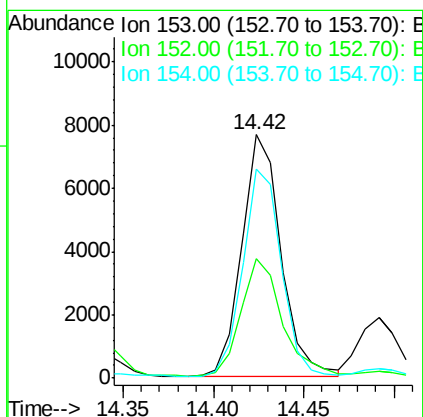
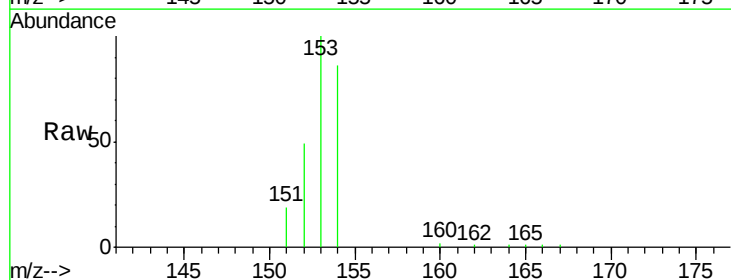
Tgt Ion:153 Resp: 11563

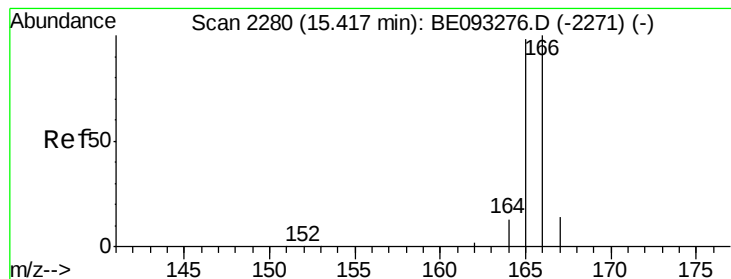
Ion Ratio Lower Upper

153 100

152 49.1 40.3 60.5

154 85.8 71.4 107.2





#9

Fluorene

Concen: 1.16 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093289.D

Acq: 20 Jun 2017 19:49

Instrument :

BNA_E

ClientSampleId :

F5A91

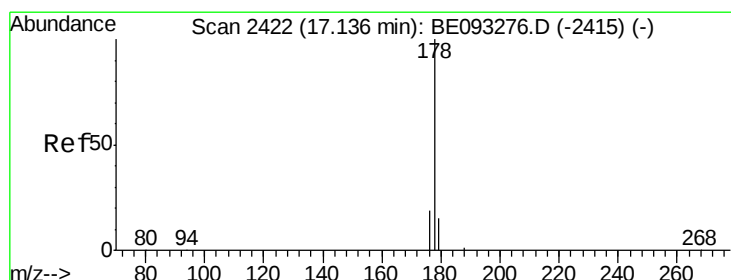
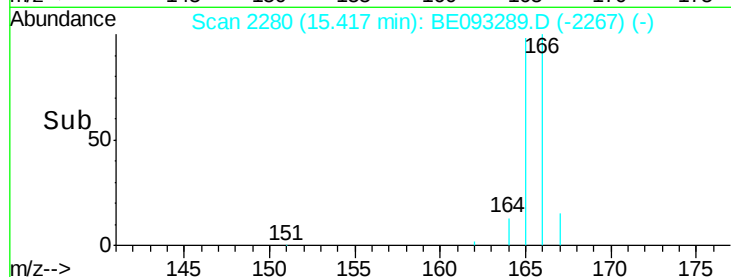
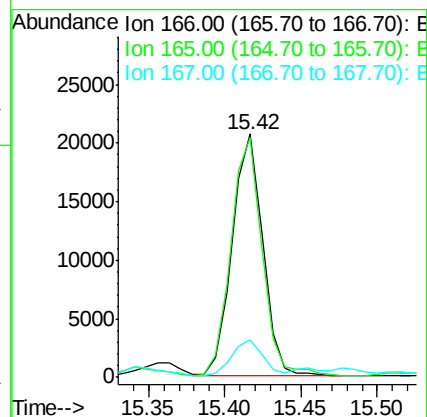
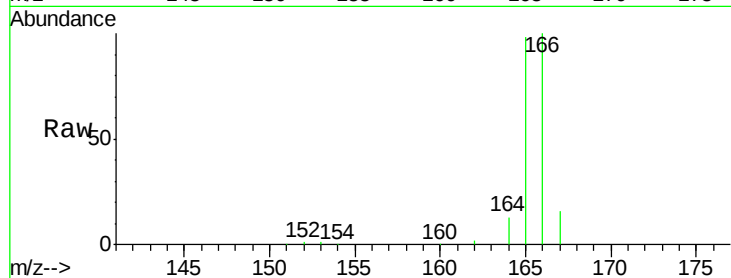
Tgt Ion:166 Resp: 28668

Ion Ratio Lower Upper

166 100

165 98.4 73.4 110.2

167 15.6 14.6 22.0



#12

Phenanthrene

Concen: 9.04 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093289.D

Acq: 20 Jun 2017 19:49

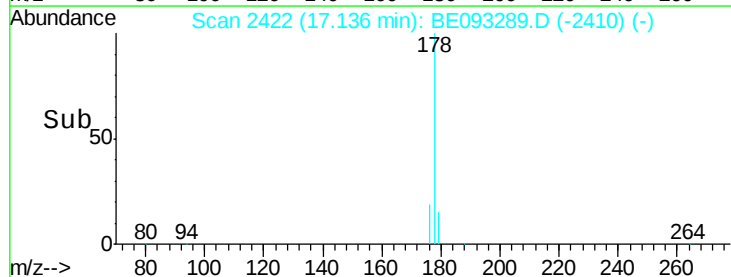
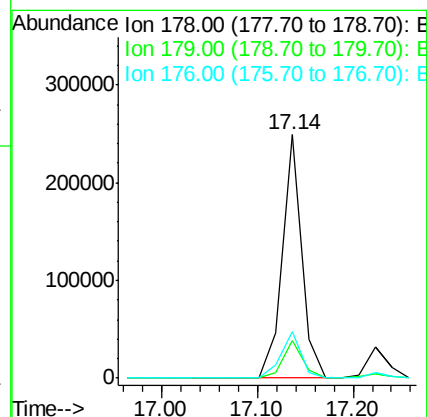
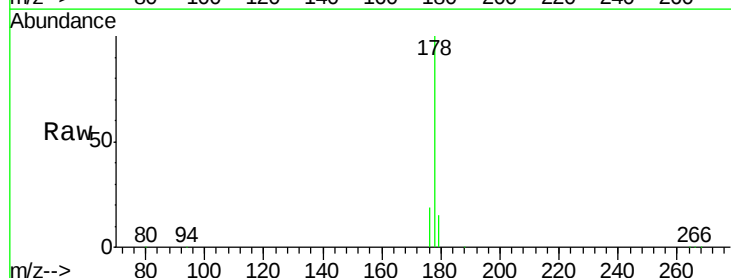
Tgt Ion:178 Resp: 351158

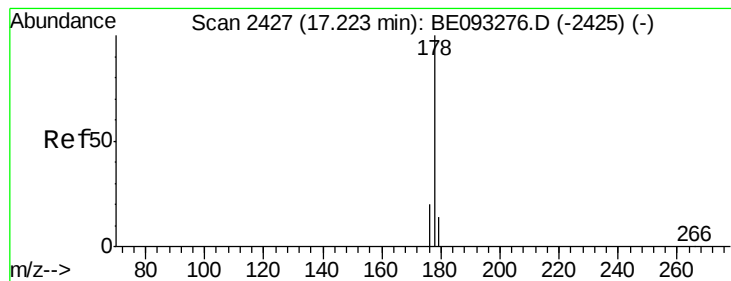
Ion Ratio Lower Upper

178 100

179 15.3 18.4 27.6#

176 19.0 13.6 20.4





#13

Anthracene

Concen: 1.40 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093289.D

Acq: 20 Jun 2017 19:49

Instrument :

BNA_E

ClientSampleId :

F5A91

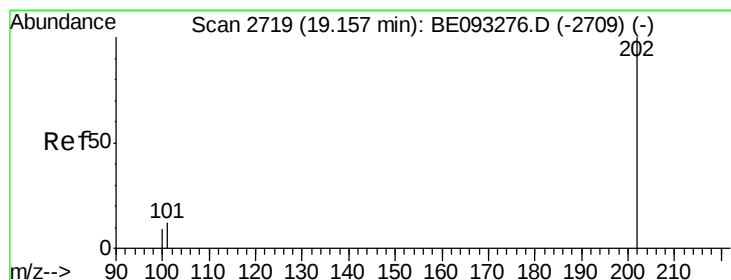
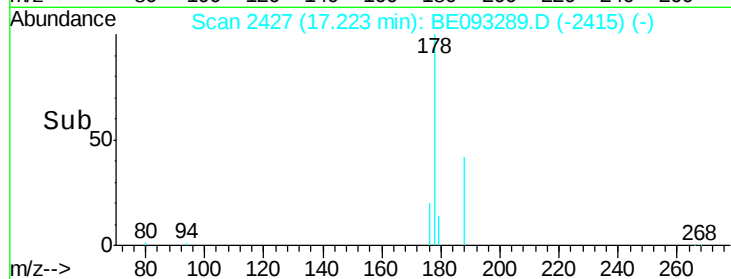
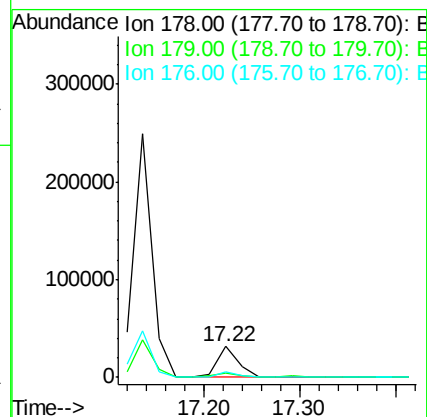
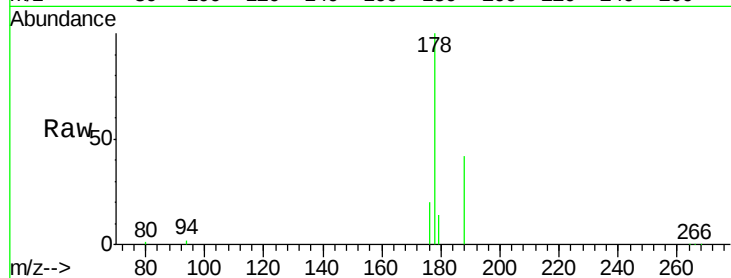
Tgt Ion:178 Resp: 47482

Ion Ratio Lower Upper

178 100

179 14.3 18.1 27.1#

176 20.1 14.7 22.1



#15

Fluoranthene

Concen: 5.57 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BE093289.D

Acq: 20 Jun 2017 19:49

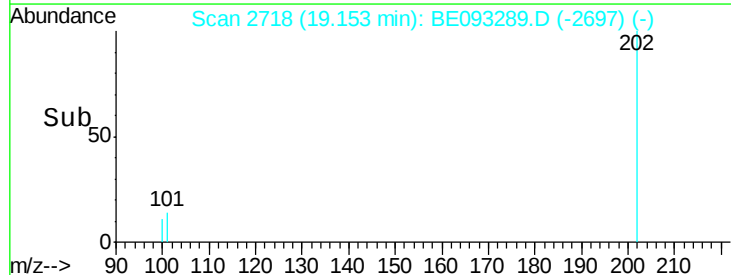
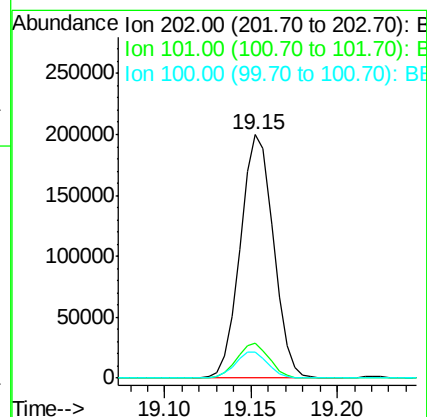
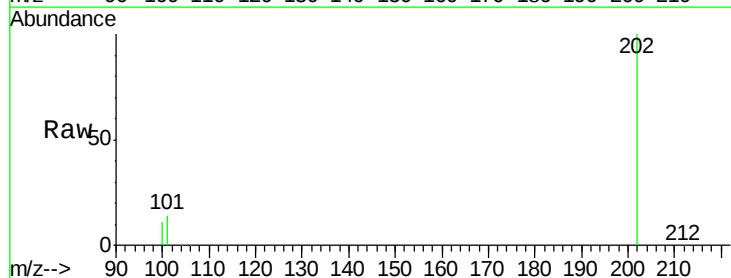
Tgt Ion:202 Resp: 265180

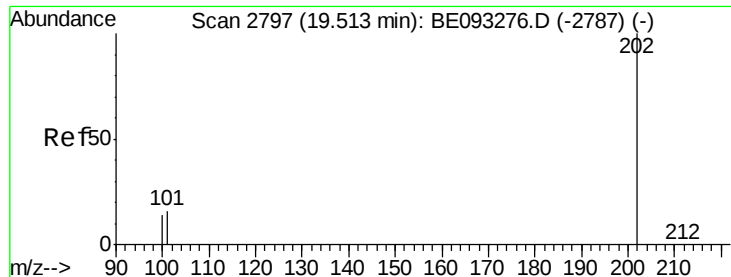
Ion Ratio Lower Upper

202 100

101 14.3 0.0 30.3

100 10.8 0.0 39.5





#17

Pyrene

Concen: 3.98 ng/ul

RT: 19.52 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093289.D

Acq: 20 Jun 2017 19:49

Instrument :

BNA_E

ClientSampleId :

F5A91

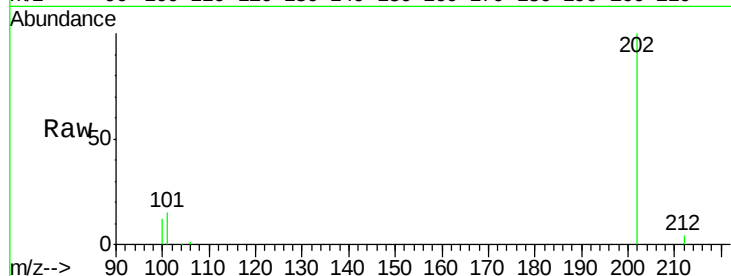
Tgt Ion:202 Resp: 167199

Ion Ratio Lower Upper

202 100

101 15.4 18.2 27.4#

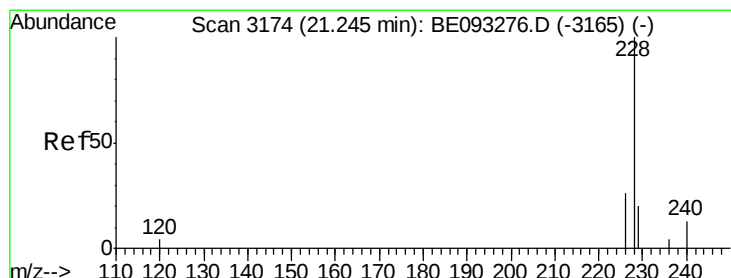
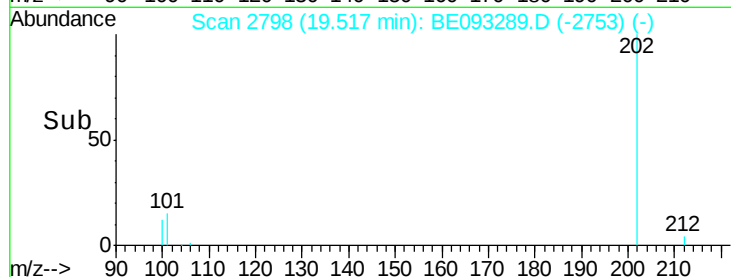
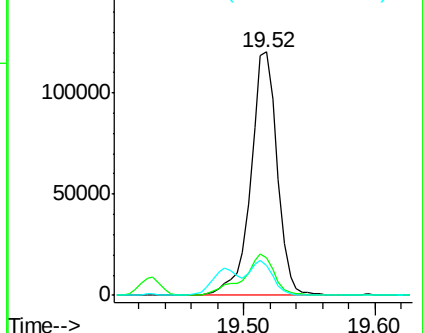
100 12.3 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 1.22 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093289.D

Acq: 20 Jun 2017 19:49

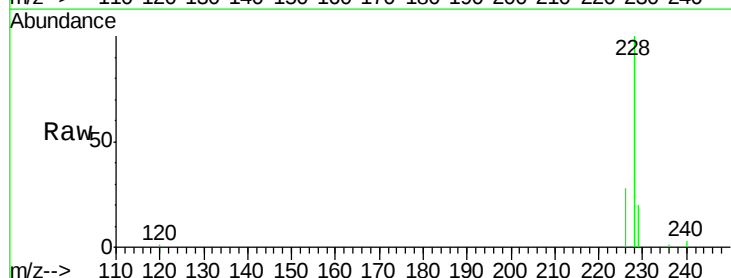
Tgt Ion:228 Resp: 46226

Ion Ratio Lower Upper

228 100

229 20.4 22.8 34.2#

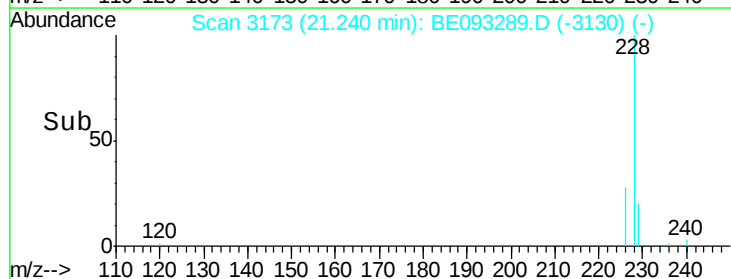
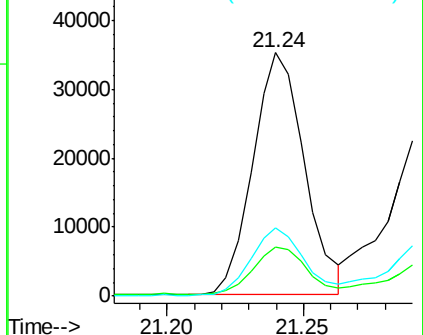
226 27.9 17.0 25.6#

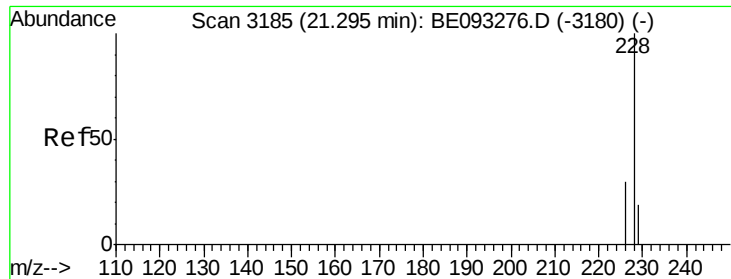


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.92 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093289.D

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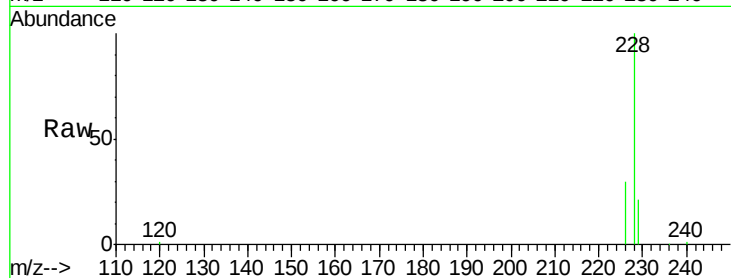
Tgt Ion:228 Resp: 36411

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

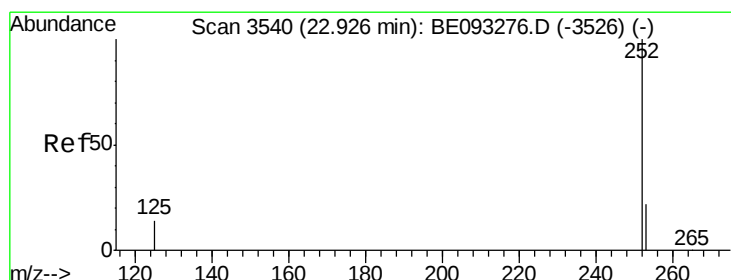
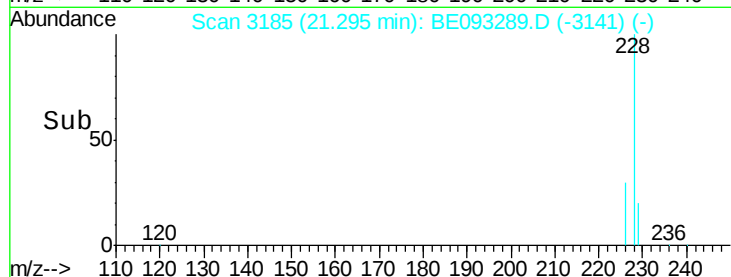
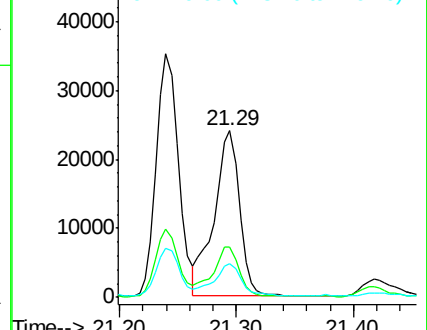
229 20.6 17.7 26.5



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: 0.01 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BE093289.D

Acq: 20 Jun 2017 19:49

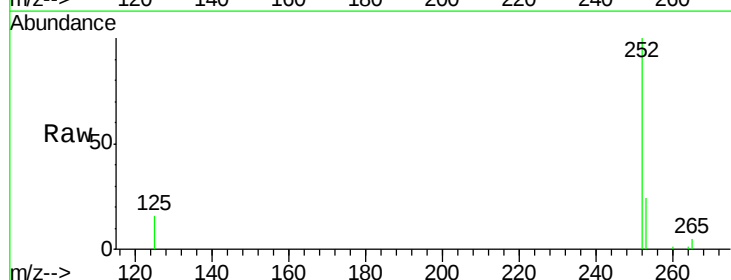
Tgt Ion:252 Resp: 22054

Ion Ratio Lower Upper

252 100

253 24.1 0.0 64.2

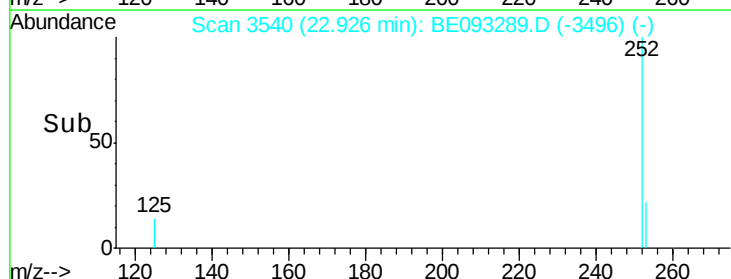
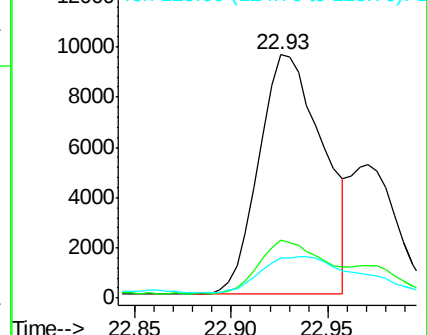
125 16.3 0.0 35.0

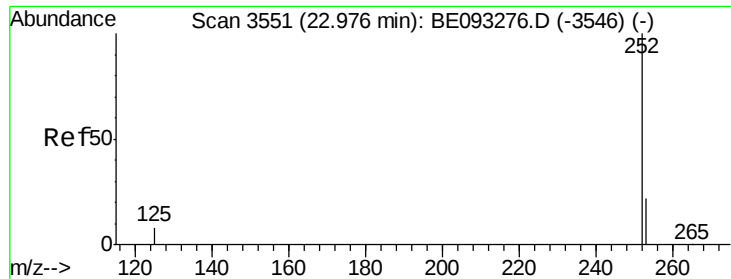


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.93 min Scan# 3540

Delta R.T. -0.05 min

Lab File: BE093289.D

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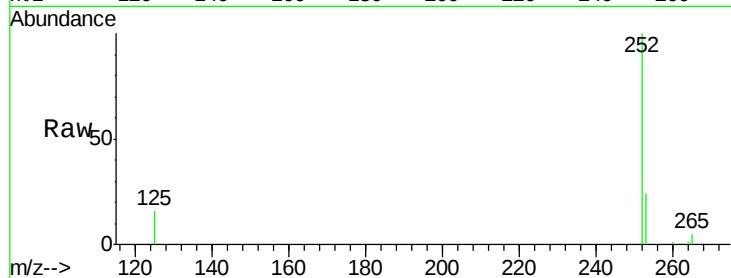
Tgt Ion: 252 Resp: 30753

Ion Ratio Lower Upper

252 100

253 24.1 24.5 36.7#

125 16.3 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

