

Data File : BE093365.D
Acq On : 24 Jun 2017 17:09
Operator : SJ/JU
Sample : I3625-08DL 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B82DL

Quant Time: Jun 26 01:15:27 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	1431	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7651	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4499	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	11395	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	12554	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11527	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	424	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1417	0.05	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	1825	0.10	ng/ul#	95
5) 2-Methylnaphthalene	12.18	142	423	0.03	ng/ul	95
7) Acenaphthylene	14.08	152	8203	0.42	ng/ul	97
8) Acenaphthene	14.42	153	196	0.01	ng/ul#	86
9) Fluorene	15.42	166	326	0.02	ng/ul#	81
11) Pentachlorophenol	16.76	266	28	0.02	ng/ul	96
12) Phenanthrene	17.14	178	5667	0.18	ng/ul#	92
13) Anthracene	17.14	178	5667	0.21	ng/ul	94
15) Fluoranthene	19.15	202	24070	0.63	ng/ul	83
17) Pyrene	19.51	202	26277	0.71	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	21723	0.65	ng/ul#	83
19) Chrysene	21.29	228	25735	0.74	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	71438	2.04	ng/ul	89
22) Benzo(k)fluoranthene	22.93	252	71438	1.92	ng/ul#	91
23) Benzo(a)pyrene	23.55	252	26825	0.81	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.18	276	30146	0.79	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.19	278	7390	0.23	ng/ul#	90
26) Benzo(g,h,i)perylene	26.96	276	29441	0.90	ng/ul	96

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

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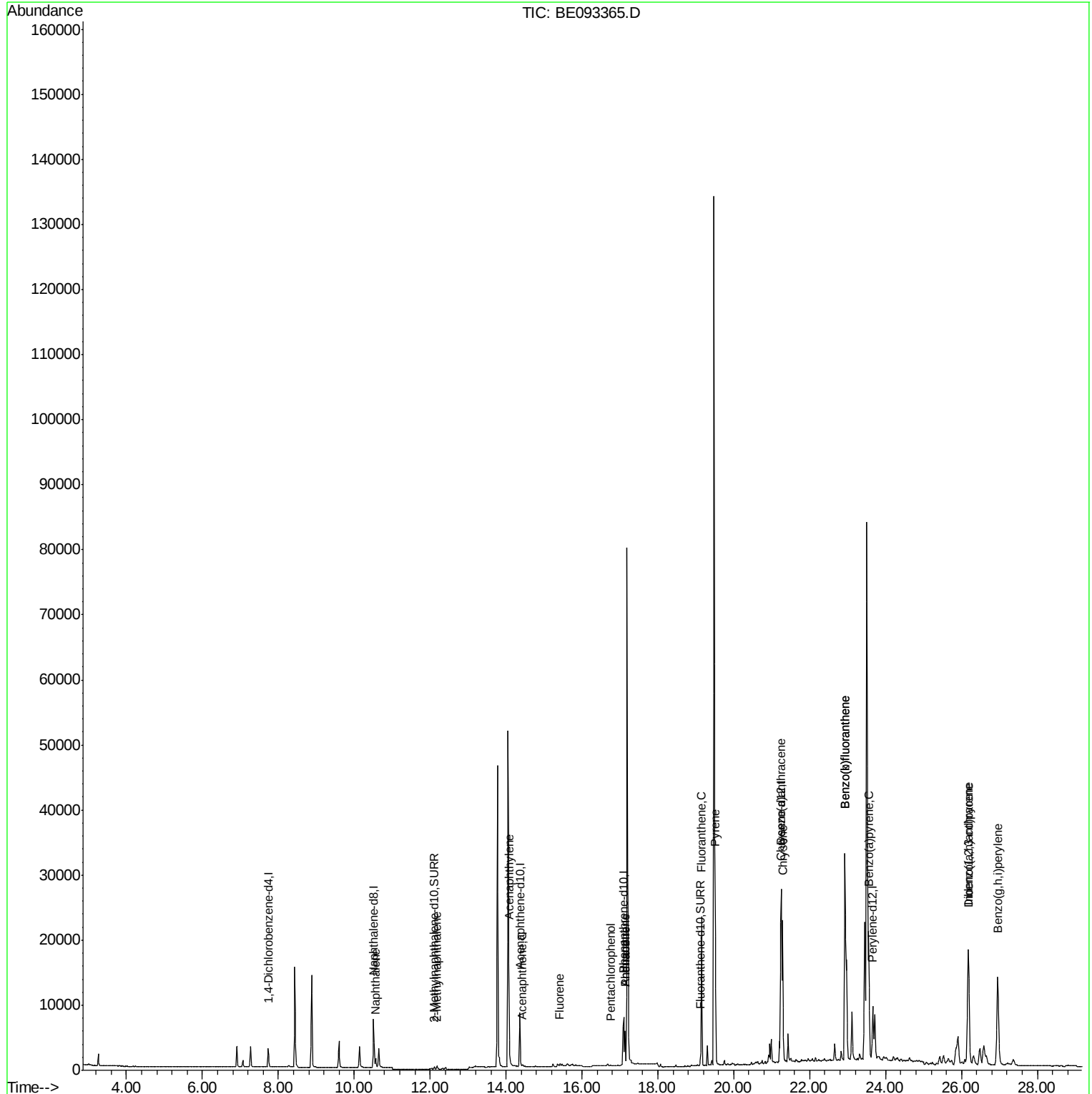
Quant Time: Jun 26 01:15:27 2017

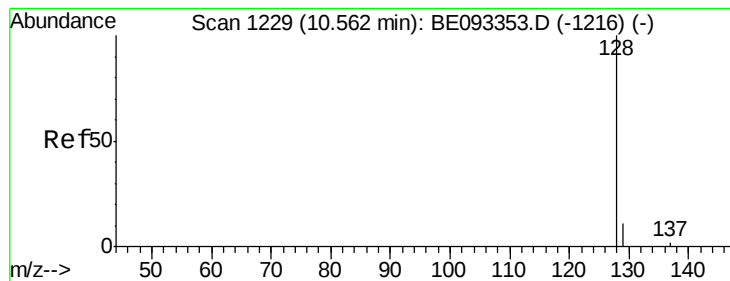
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 26 01:13:30 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5B82DL

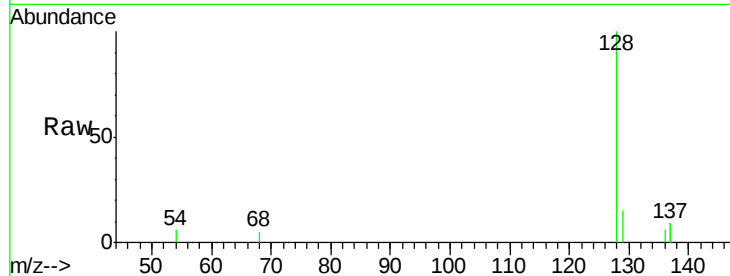
Tgt Ion:128 Resp: 1825

Ion Ratio Lower Upper

128 100

129 14.7 11.3 16.9

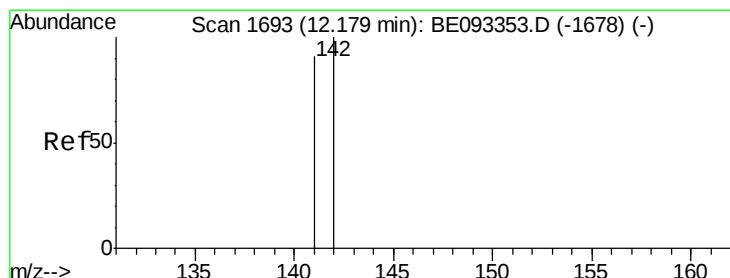
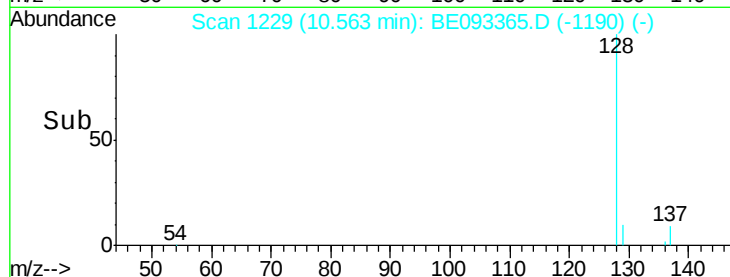
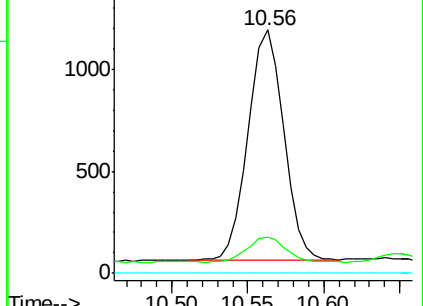
127 0.0 4.0 6.0#



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# 1693

Delta R.T. -0.00 min

Lab File: BE093365.D

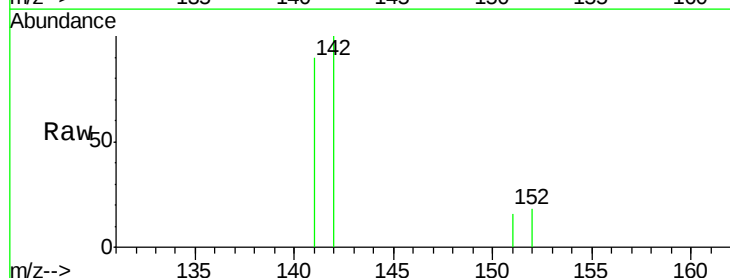
Acq: 24 Jun 2017 17:09

Tgt Ion:142 Resp: 423

Ion Ratio Lower Upper

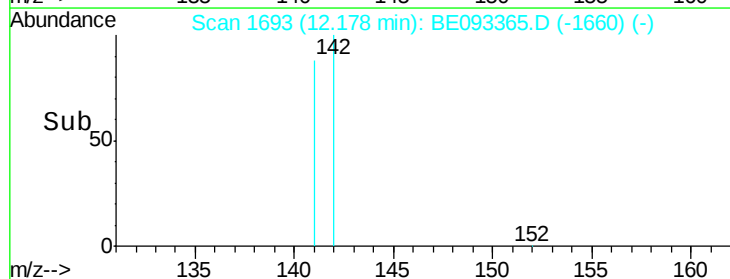
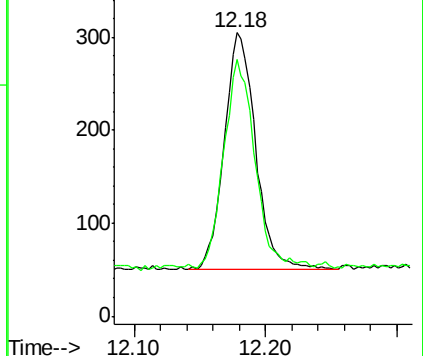
142 100

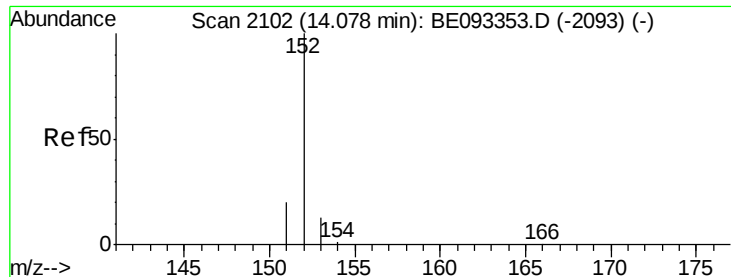
141 86.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5B82DL

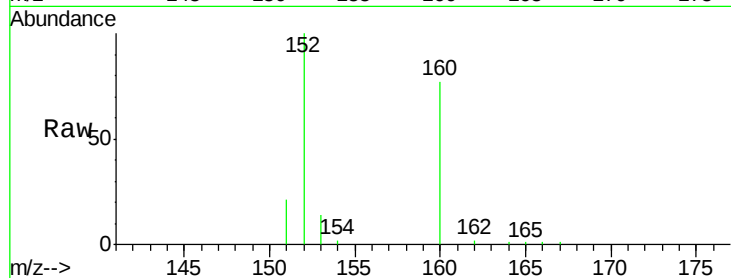
Tgt Ion:152 Resp: 8203

Ion Ratio Lower Upper

152 100

151 21.0 17.1 25.7

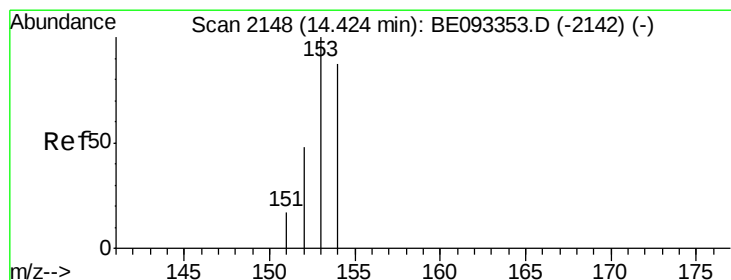
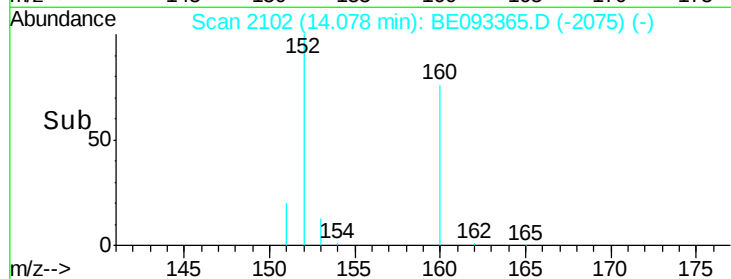
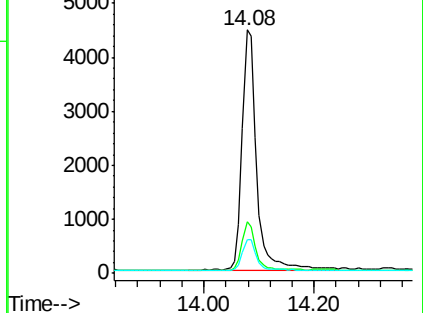
153 13.9 12.8 19.2



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: BE093365.D

Acq: 24 Jun 2017 17:09

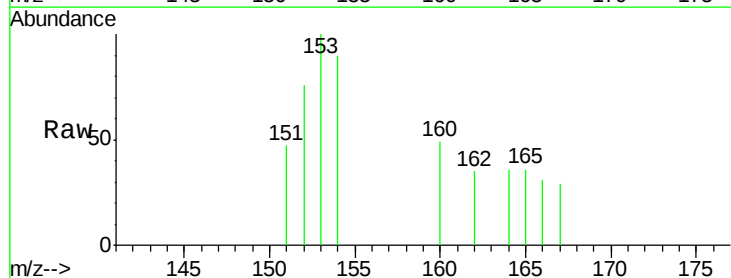
Tgt Ion:153 Resp: 196

Ion Ratio Lower Upper

153 100

152 76.3 40.3 60.5#

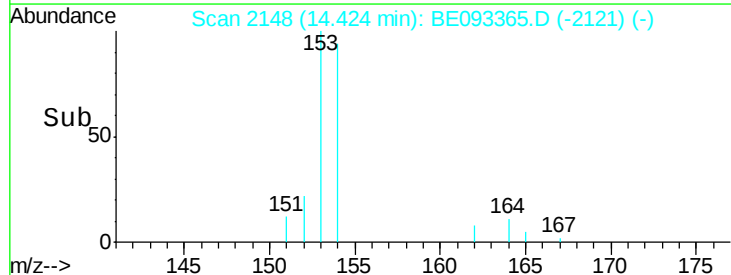
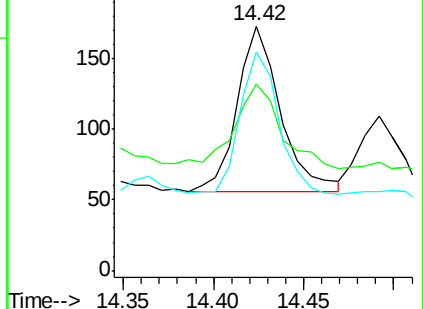
154 89.6 71.4 107.2

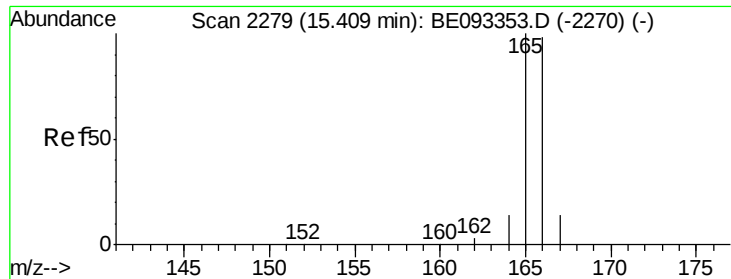


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.02 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5B82DL

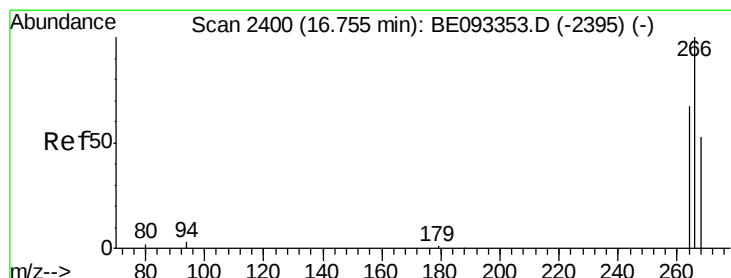
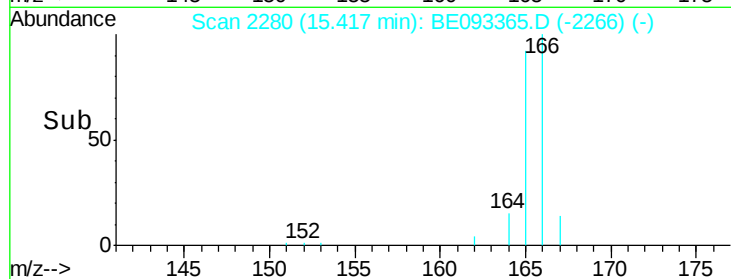
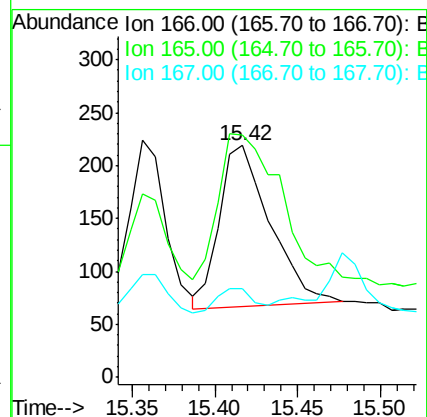
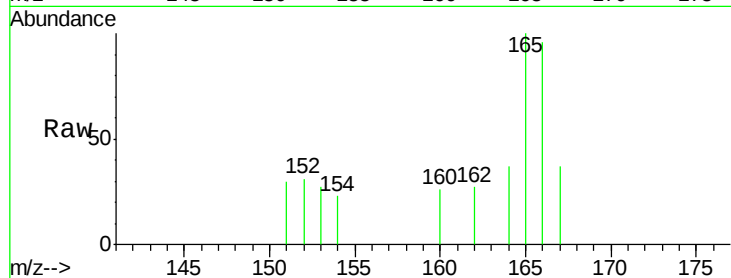
Tgt Ion:166 Resp: 326

Ion Ratio Lower Upper

166 100

165 104.6 73.4 110.2

167 38.4 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.76 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

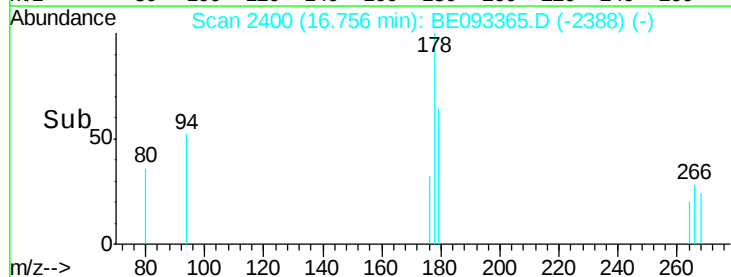
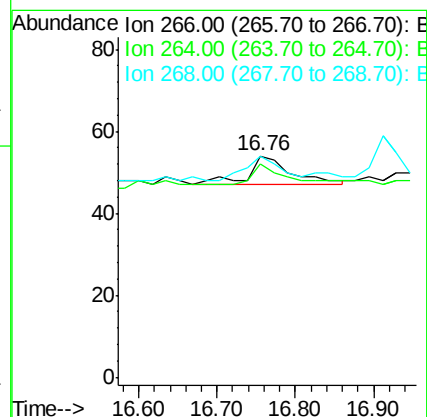
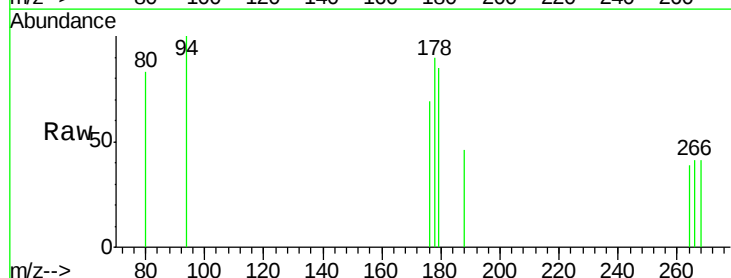
Tgt Ion:266 Resp: 28

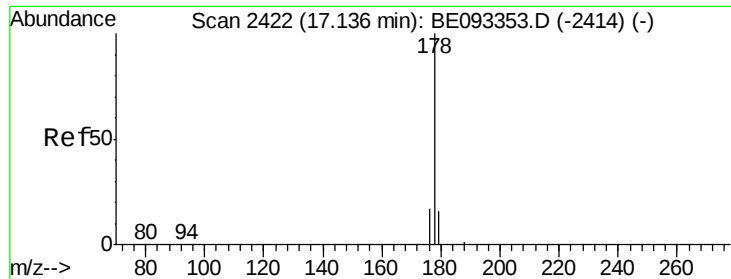
Ion Ratio Lower Upper

266 100

264 60.7 47.9 71.9

268 67.9 49.8 74.8





#12

Phenanthrene

Concen: 0.18 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5B82DL

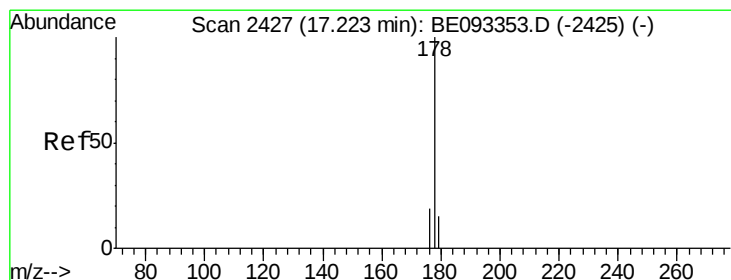
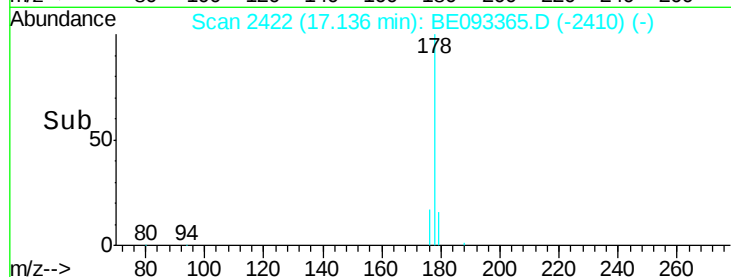
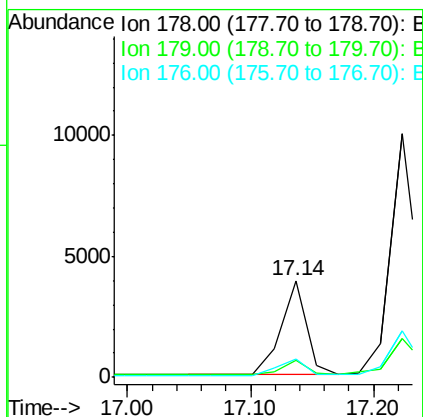
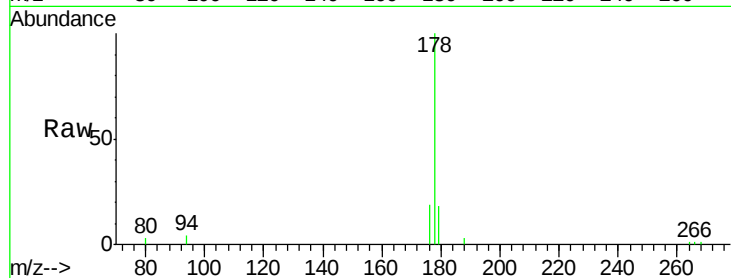
Tgt Ion:178 Resp: 5667

Ion Ratio Lower Upper

178 100

179 18.1 18.4 27.6#

176 19.2 13.6 20.4



#13

Anthracene

Concen: 0.21 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.09 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

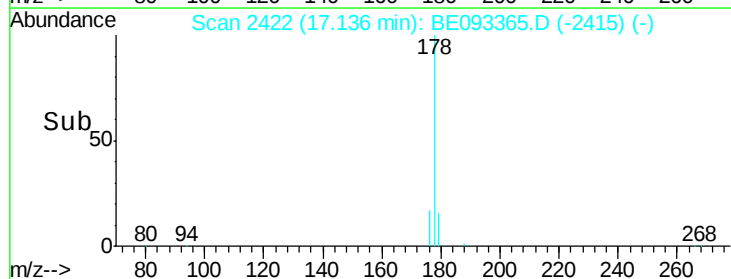
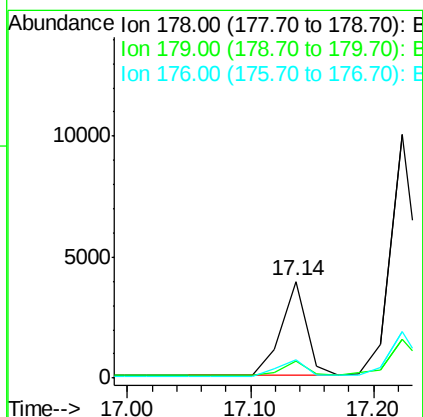
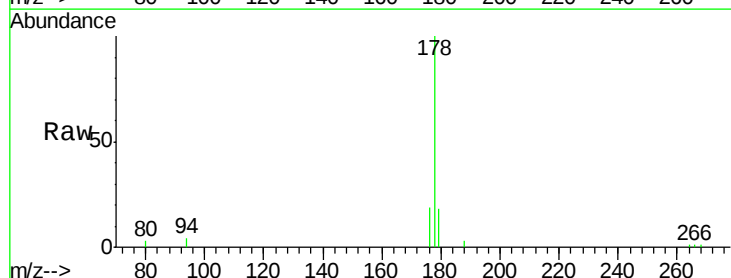
Tgt Ion:178 Resp: 5667

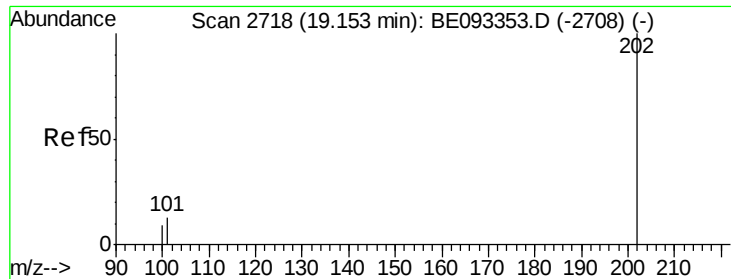
Ion Ratio Lower Upper

178 100

179 18.1 18.1 27.1

176 19.2 14.7 22.1





#15

Fluoranthene

Concen: 0.63 ng/ul

RT: 19.15 min Scan# 2718

Delta R.T. 0.00 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5B82DL

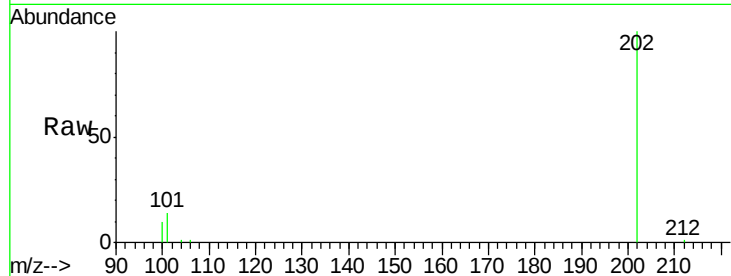
Tgt Ion:202 Resp: 24070

Ion Ratio Lower Upper

202 100

101 13.8 0.0 30.3

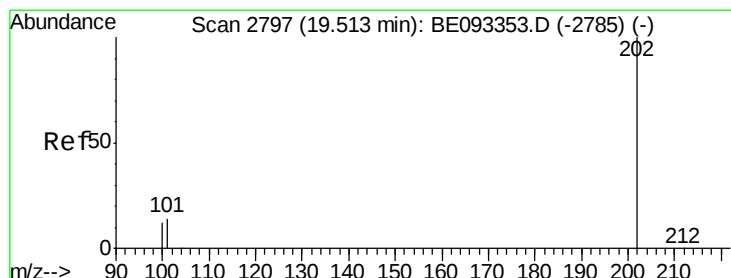
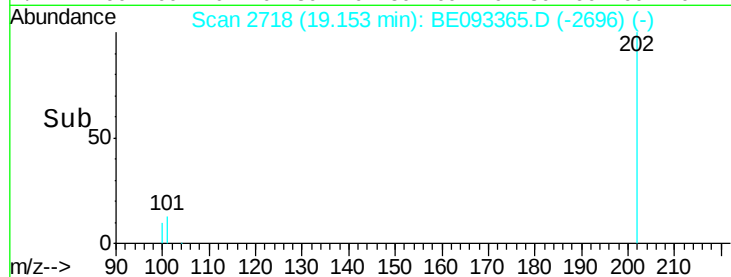
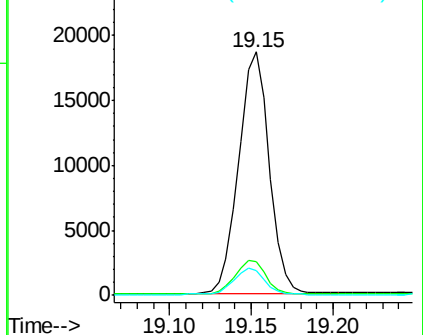
100 10.0 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.71 ng/ul

RT: 19.51 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

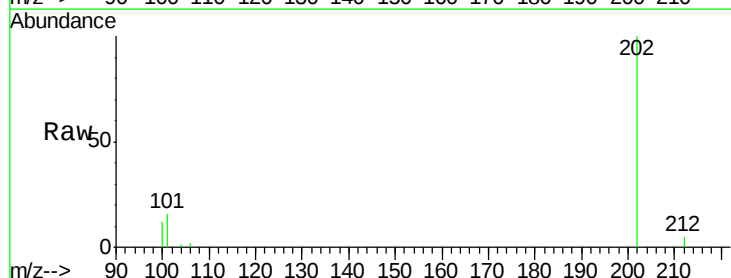
Tgt Ion:202 Resp: 26277

Ion Ratio Lower Upper

202 100

101 15.6 18.2 27.4#

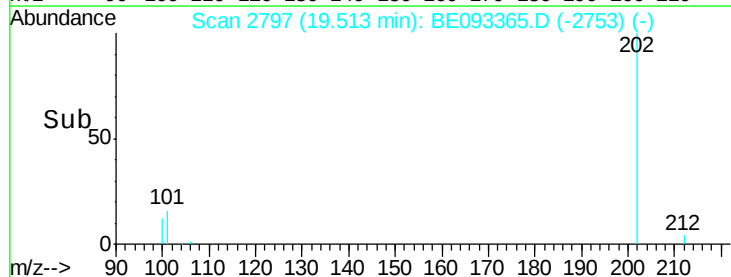
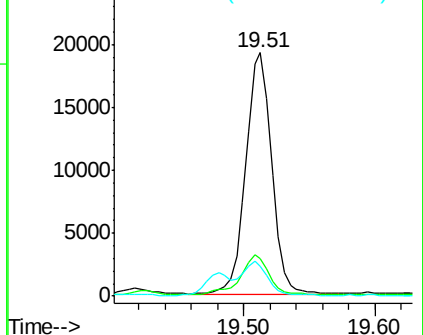
100 12.4 15.6 23.4#

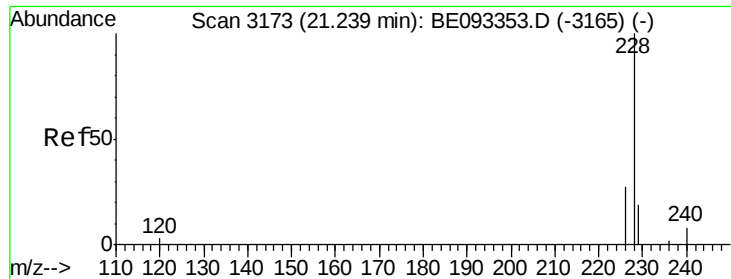


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

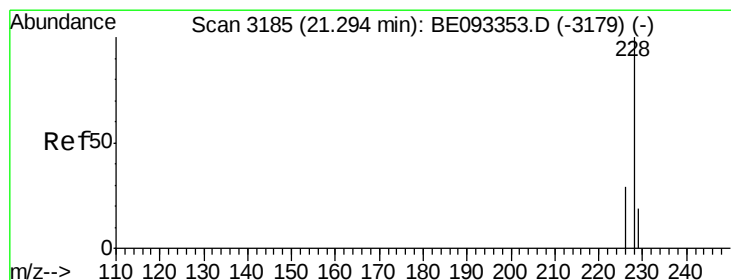
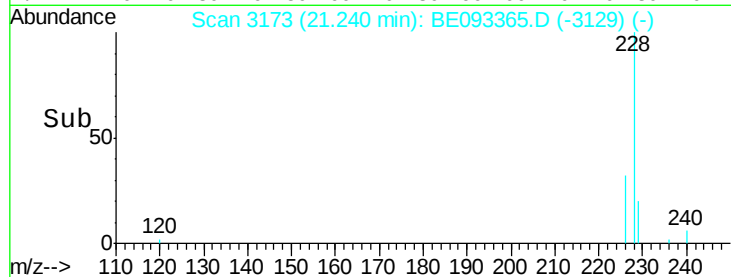
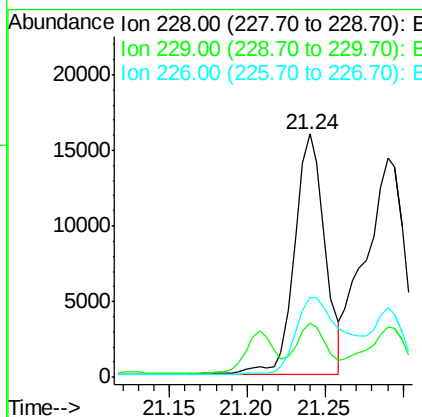
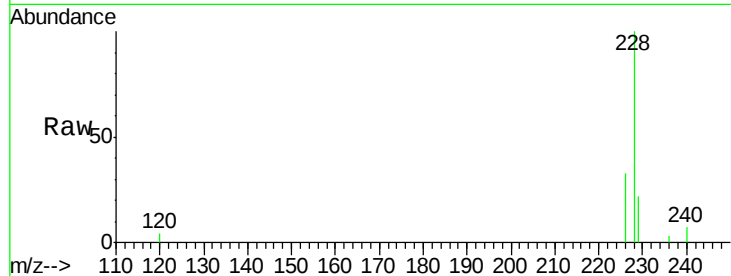




#18
Benzo(a)anthracene
Concen: 0.65 ng/ul
RT: 21.24 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BE093365.D
Acq: 24 Jun 2017 17:09

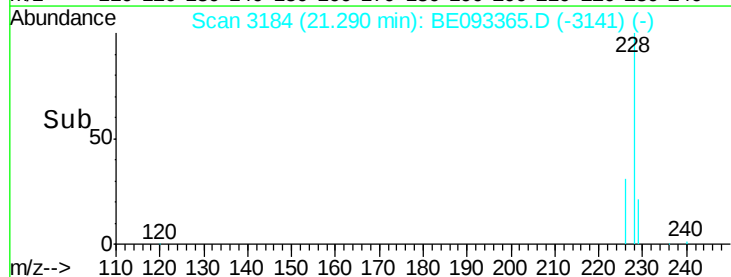
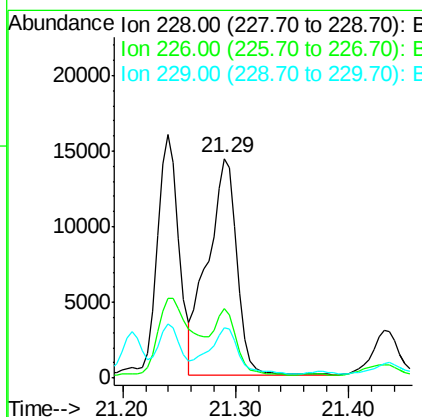
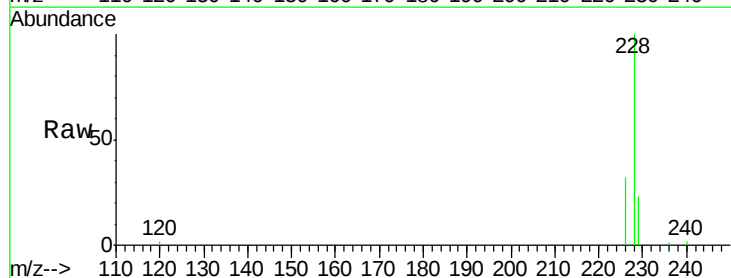
Instrument :
BNA_E
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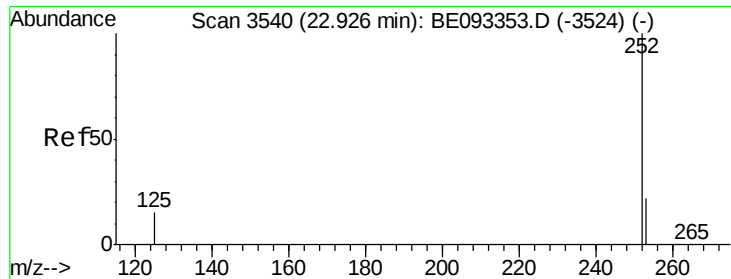
Tgt Ion:228 Resp: 21723
Ion Ratio Lower Upper
228 100
229 22.4 22.8 34.2#
226 33.0 17.0 25.6#



#19
Chrysene
Concen: 0.74 ng/ul
RT: 21.29 min Scan# 3184
Delta R.T. -0.00 min
Lab File: BE093365.D
Acq: 24 Jun 2017 17:09

Tgt Ion:228 Resp: 25735
Ion Ratio Lower Upper
228 100
226 31.7 23.4 35.0
229 23.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.04 ng/u1

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5B82DL

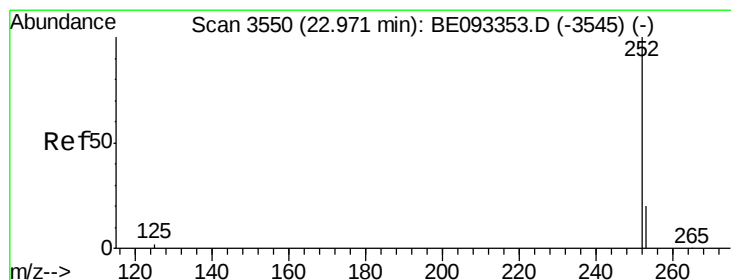
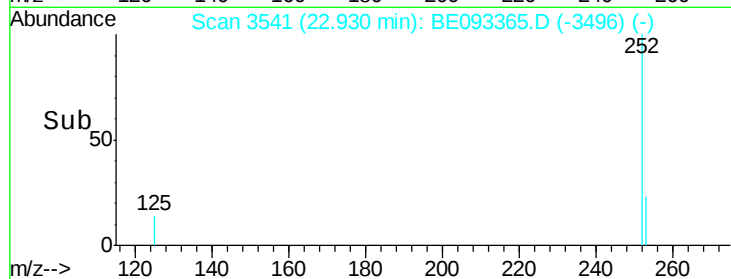
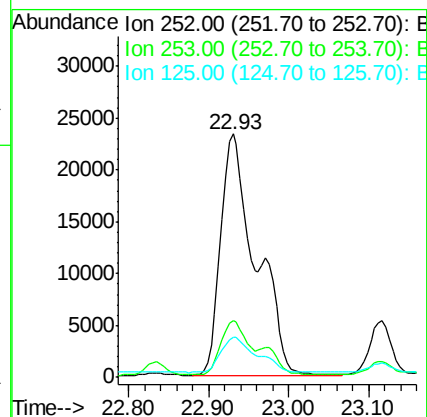
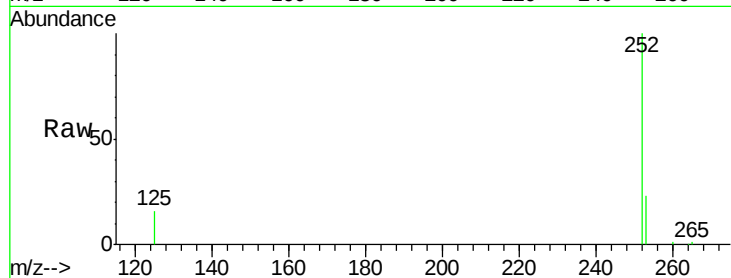
Tgt Ion:252 Resp: 71438

Ion Ratio Lower Upper

252 100

253 23.5 0.0 64.2

125 16.4 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 1.92 ng/u1

RT: 22.93 min Scan# 3541

Delta R.T. -0.04 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

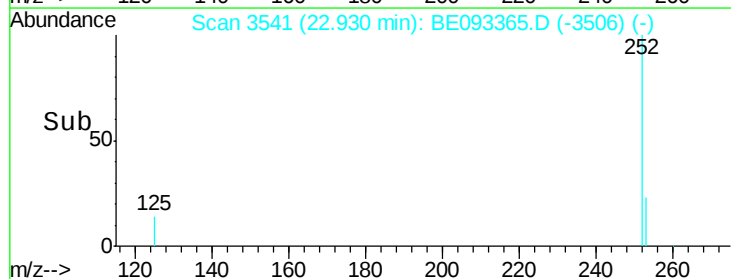
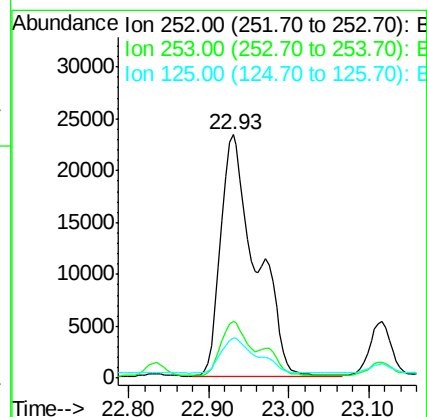
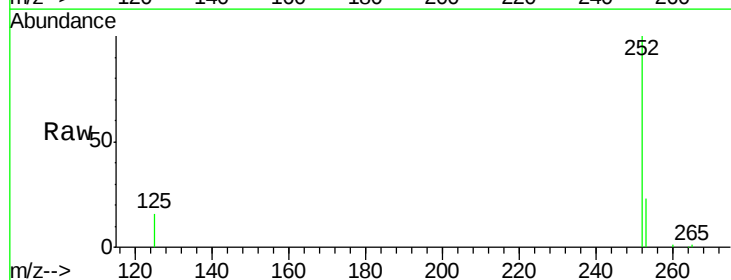
Tgt Ion:252 Resp: 71438

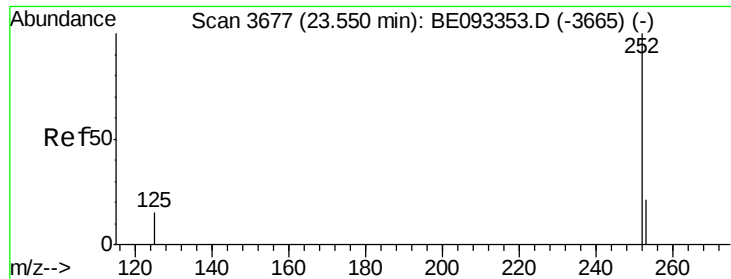
Ion Ratio Lower Upper

252 100

253 23.5 24.5 36.7#

125 16.4 13.7 20.5





#23

Benzo(a)pyrene

Concen: 0.81 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5B82DL

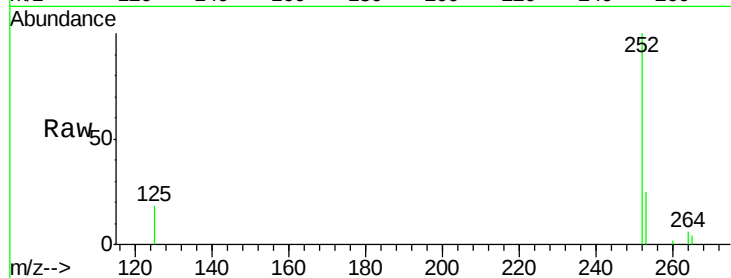
Tgt Ion:252 Resp: 26825

Ion Ratio Lower Upper

252 100

253 24.8 28.5 42.7#

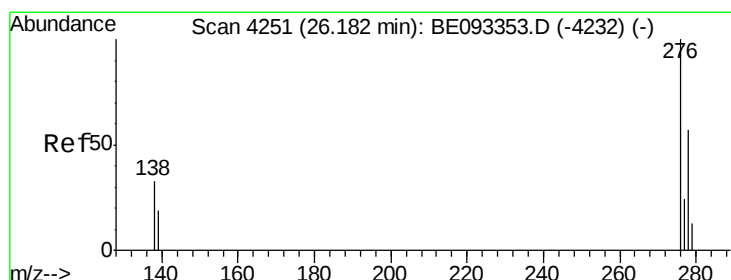
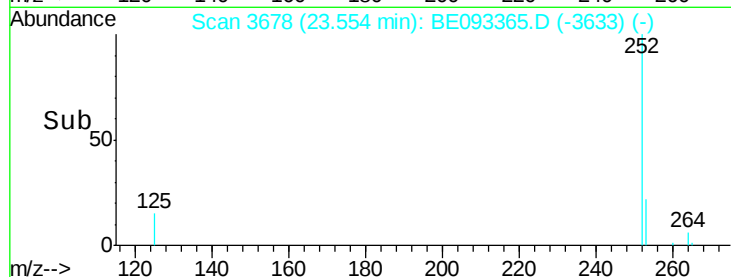
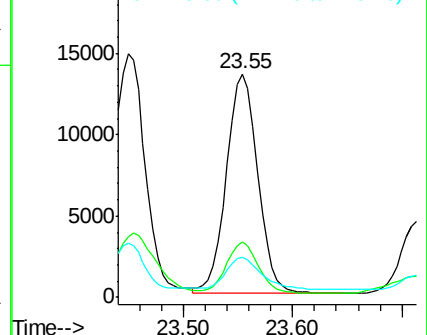
125 18.2 18.1 27.1



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: 0.79 ng/ul

RT: 26.18 min Scan# 4251

Delta R.T. -0.00 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

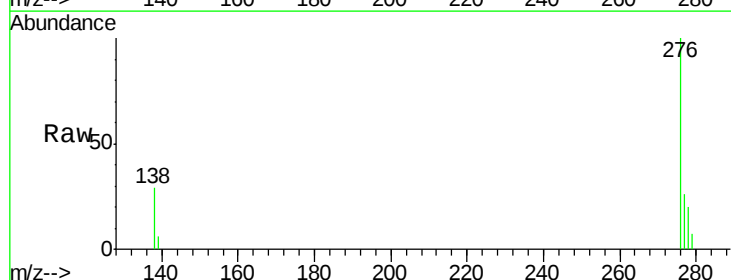
Tgt Ion:276 Resp: 30146

Ion Ratio Lower Upper

276 100

138 28.9 28.0 42.0

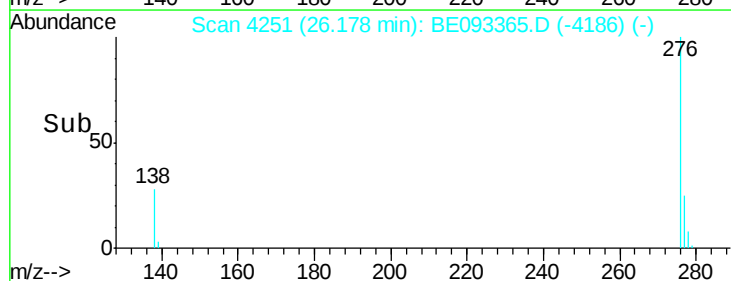
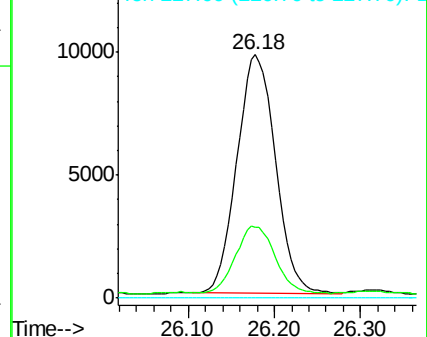
227 0.0 8.0 12.0#

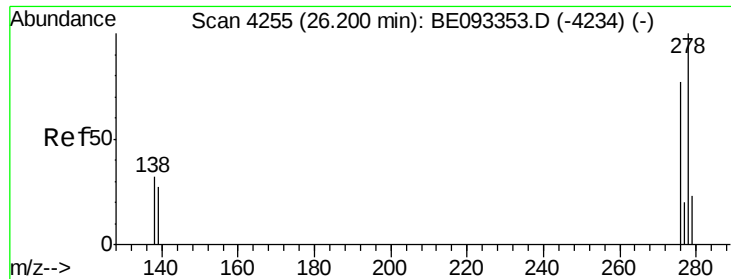


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.23 ng/ul

RT: 26.19 min Scan# 4254

Delta R.T. -0.01 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

Instrument :

BNA_E

ClientSampleId :

F5B82DL

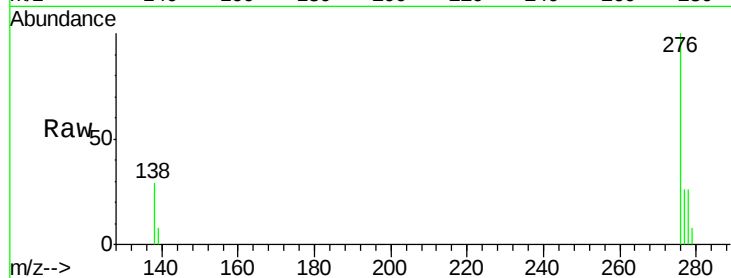
Tgt Ion:278 Resp: 7390

Ion Ratio Lower Upper

278 100

139 32.6 17.4 26.0#

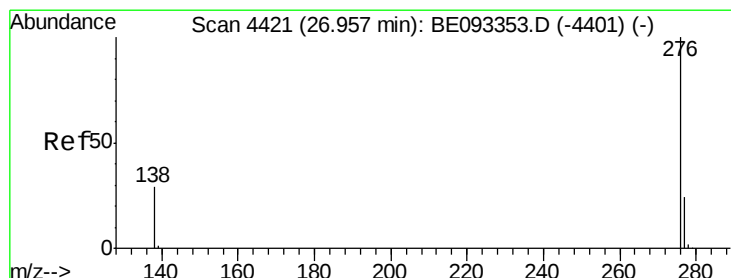
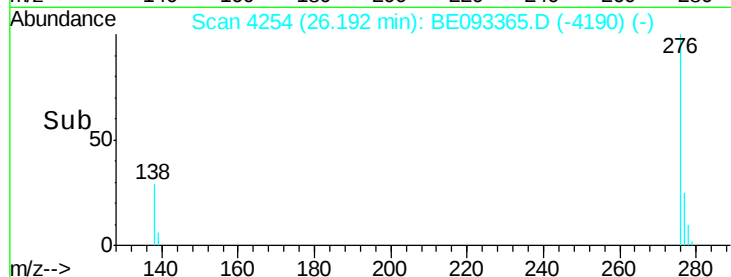
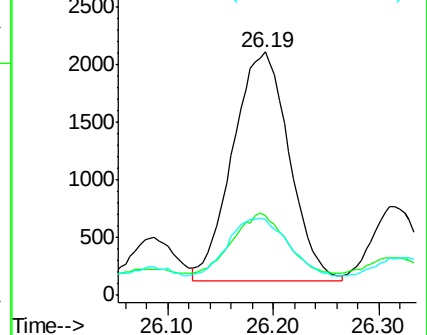
279 31.3 25.9 38.9



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: 0.90 ng/ul

RT: 26.96 min Scan# 4422

Delta R.T. 0.00 min

Lab File: BE093365.D

Acq: 24 Jun 2017 17:09

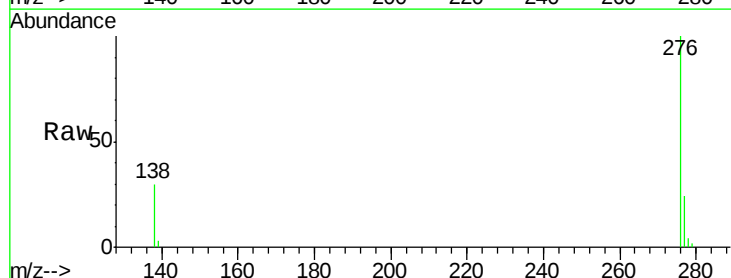
Tgt Ion:276 Resp: 29441

Ion Ratio Lower Upper

276 100

138 30.3 21.8 32.8

277 24.1 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

