

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061917\
 Data File : BE093270.D
 Acq On : 20 Jun 2017 3:09
 Operator : SJ/MA
 Sample : I3599-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 20 08:51:09 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 08:49:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2745	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14199	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8751	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20194	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	20014	0.40	ng/ul	0.00
20) Perylene-d12	23.52	264	858073	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	5157	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	12484	0.23	ng/ul	0.00

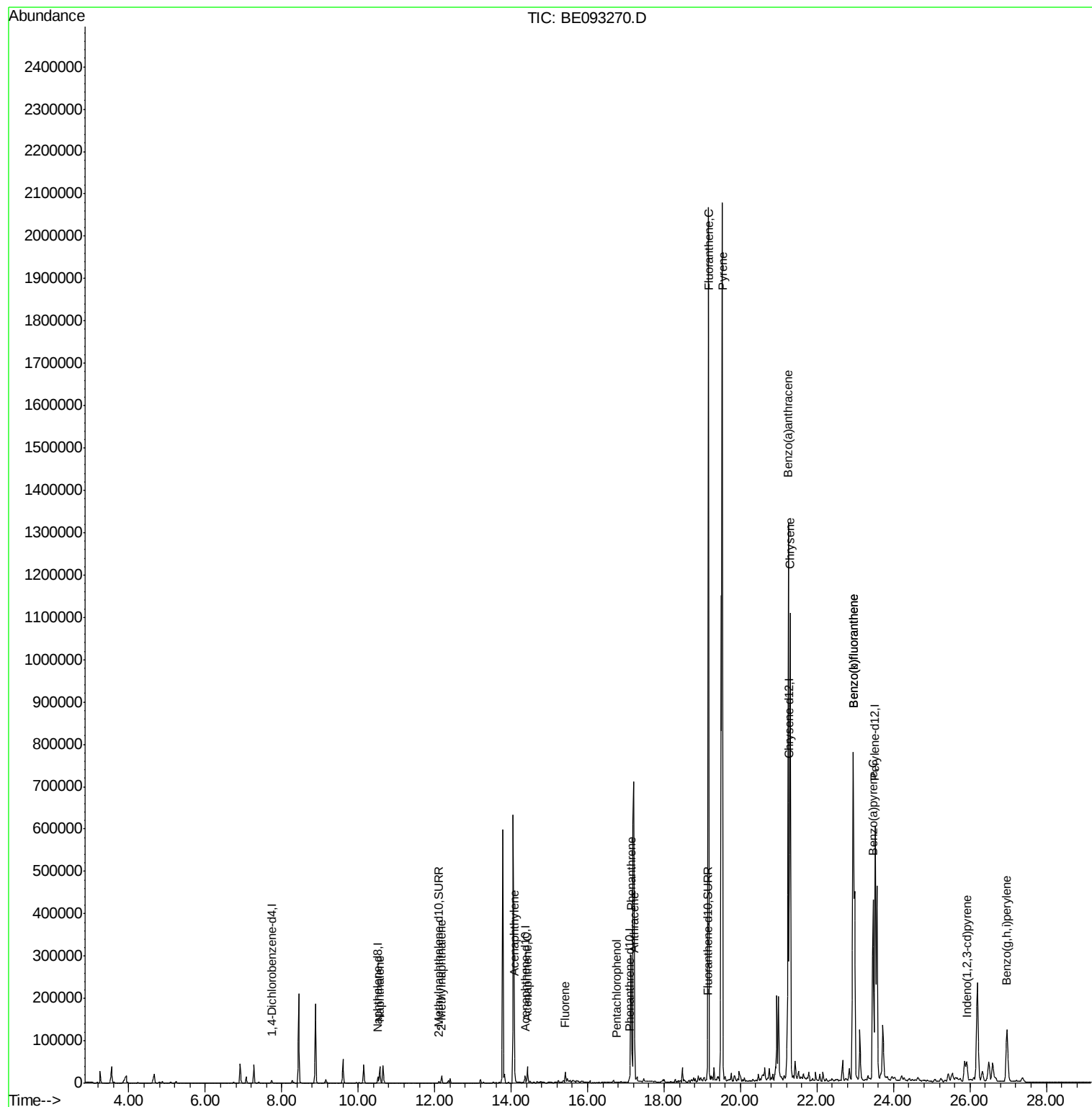
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.56	128	56447	1.60	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	14890	0.62	ng/ul	98
7) Acenaphthylene	14.09	152	90794	2.42	ng/ul	95
8) Acenaphthene	14.43	153	23600	0.78	ng/ul	97
9) Fluorene	15.42	166	16308	0.46	ng/ul	93
11) Pentachlorophenol	16.75	266	35	0.01	ng/ul#	81
12) Phenanthrene	17.14	178	320153	5.76	ng/ul#	88
13) Anthracene	17.22	178	227125	4.69	ng/ul#	87
15) Fluoranthene	19.16	202	2267425	33.28	ng/ul	84
17) Pyrene	19.52	202	2145189	36.35	ng/ul#	86
18) Benzo(a)anthracene	21.25	228	1136228	21.28	ng/ul#	85
19) Chrysene	21.30	228	1255063	22.66	ng/ul	97
21) Benzo(b)fluoranthene	22.94	252	1424889	0.55	ng/ul	87
22) Benzo(k)fluoranthene	22.94	252	1885922	0.68	ng/ul#	89
23) Benzo(a)pyrene	23.46	252	630865	0.26	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.92	276	57769	0.02	ng/ul#	75
26) Benzo(a,h,i)perylene	26.97	276	266495	0.11	ng/ul	96

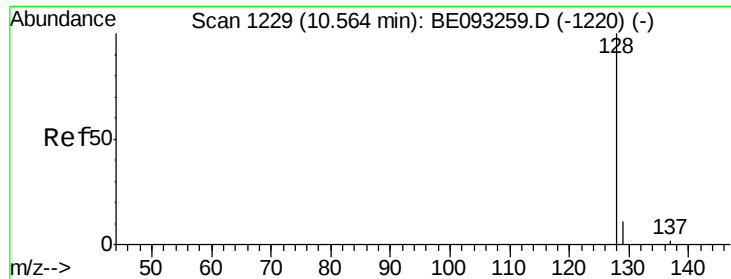
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.60 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

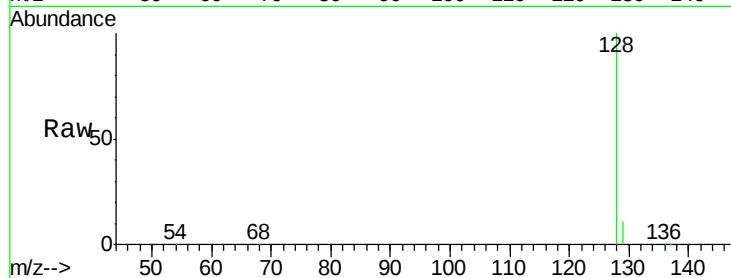
Tot Ion:128 Resp: 56447

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

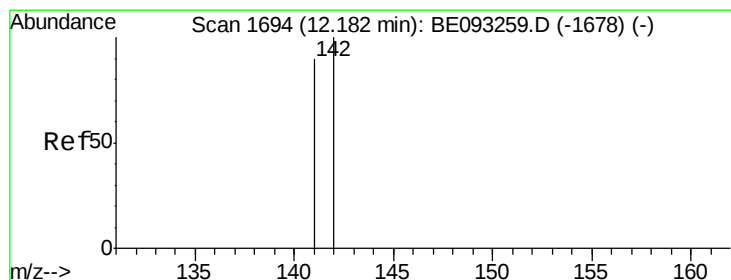
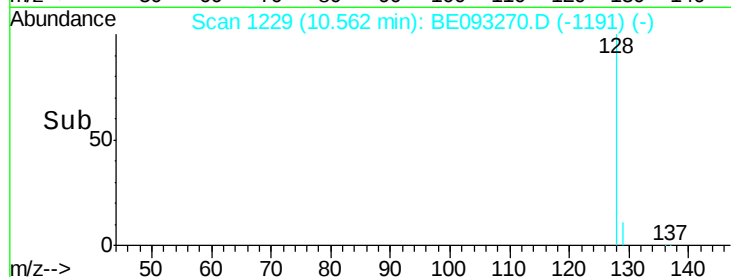
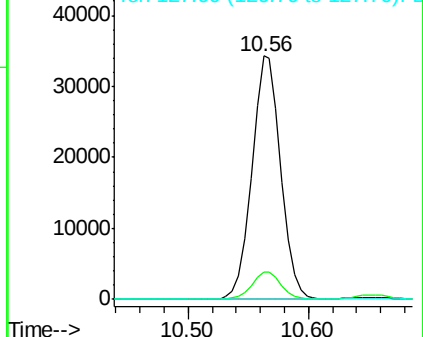
127 0.0 4.0 6.0#



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: 0.62 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093270.D

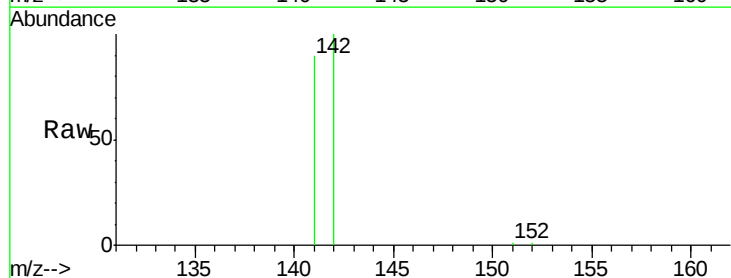
Acq: 20 Jun 2017 3:09

Tgt Ion:142 Resp: 14890

Ion Ratio Lower Upper

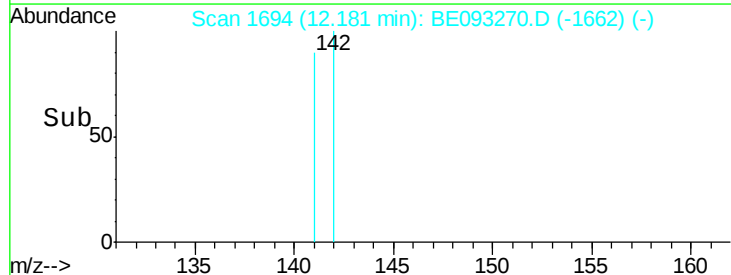
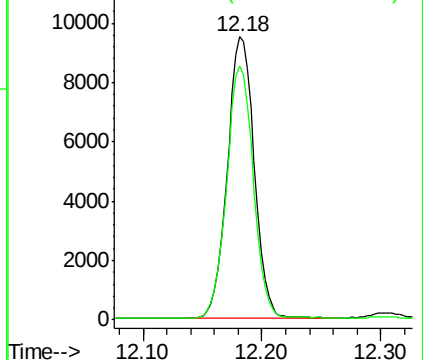
142 100

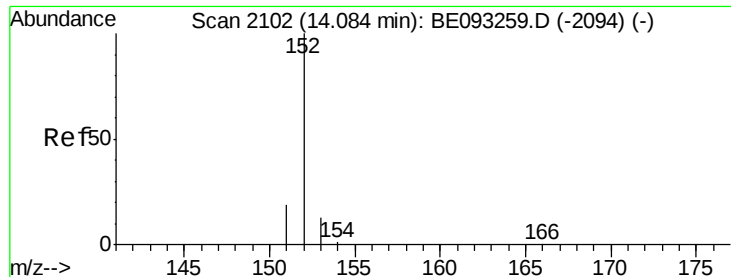
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.42 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

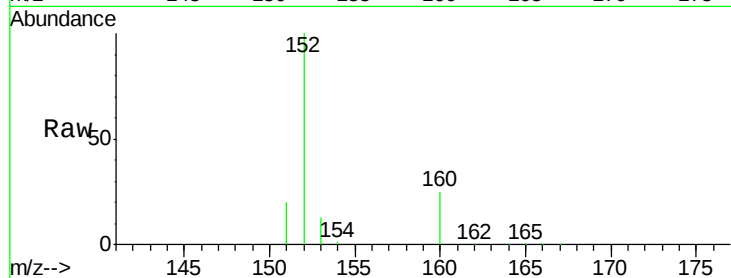
Tot Ion:152 Resp: 90794

Ion Ratio Lower Upper

152 100

151 19.8 17.1 25.7

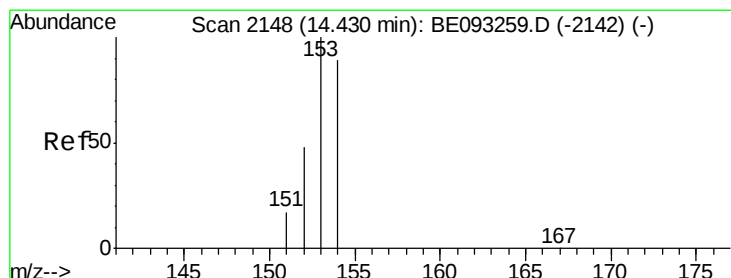
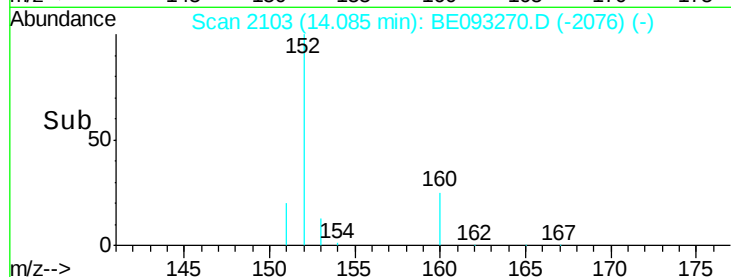
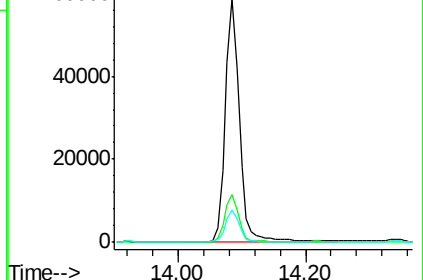
153 13.2 12.8 19.2



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: 0.78 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

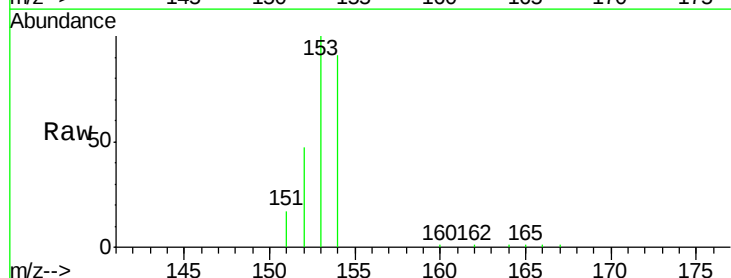
Tgt Ion:153 Resp: 23600

Ion Ratio Lower Upper

153 100

152 47.3 40.3 60.5

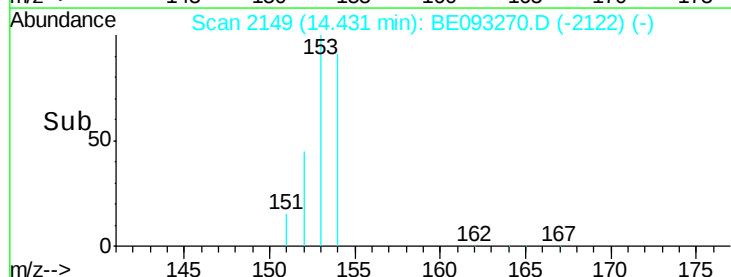
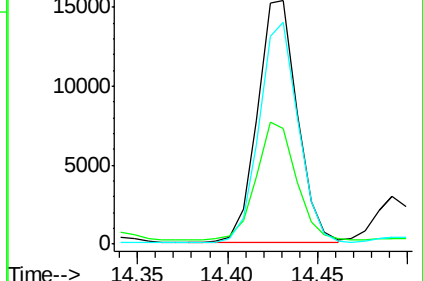
154 91.3 71.4 107.2

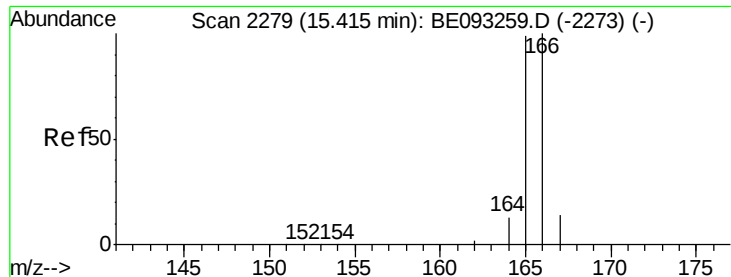


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.46 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

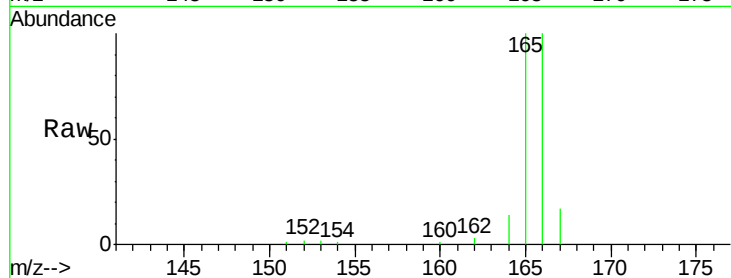
Tot Ion:166 Resp: 16308

Ion Ratio Lower Upper

166 100

165 99.6 73.4 110.2

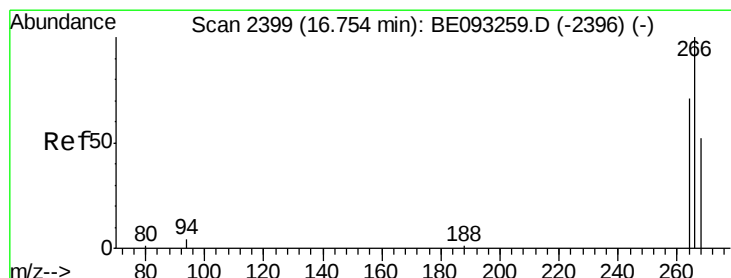
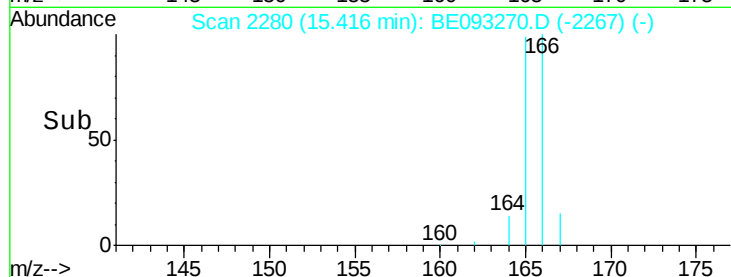
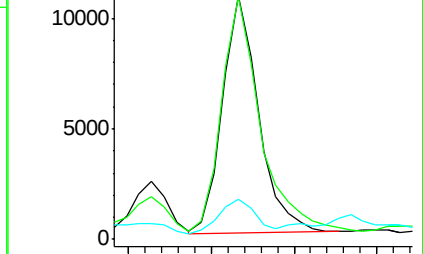
167 16.7 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.75 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

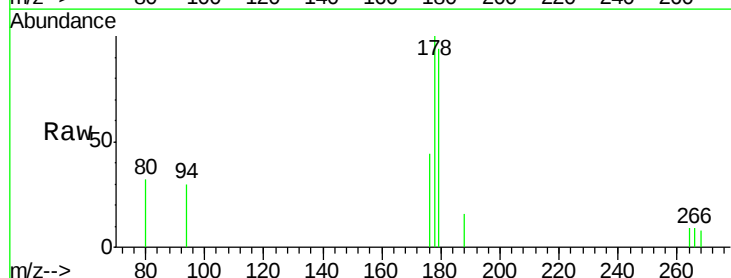
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

264 60.0 47.9 71.9

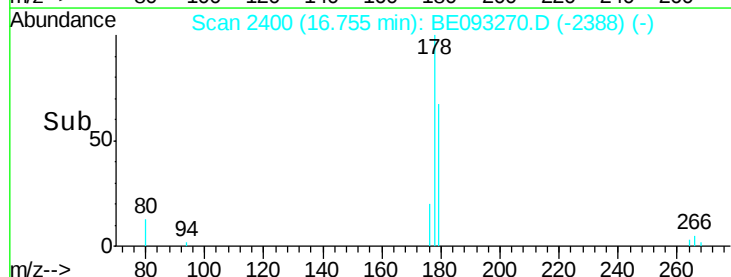
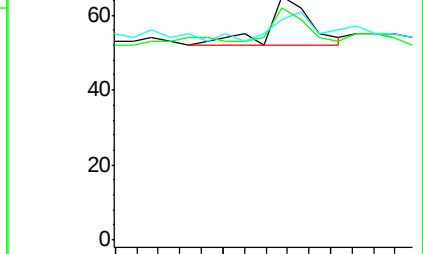
268 91.4 49.8 74.8#

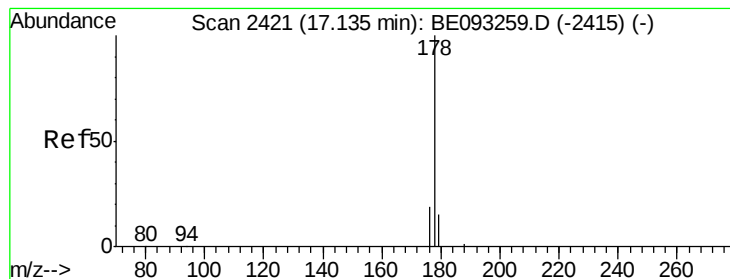


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 5.76 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampled :

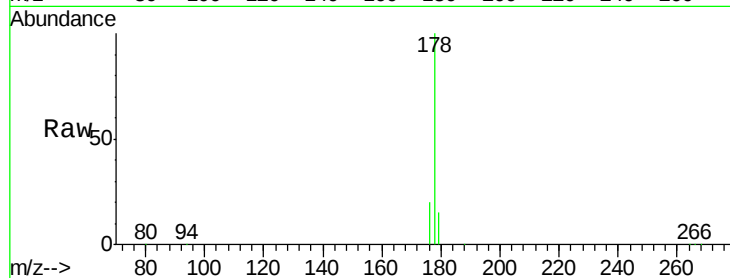
Tot Ion:178 Resp: 320153

Ion Ratio Lower Upper

178 100

179 15.0 18.4 27.6#

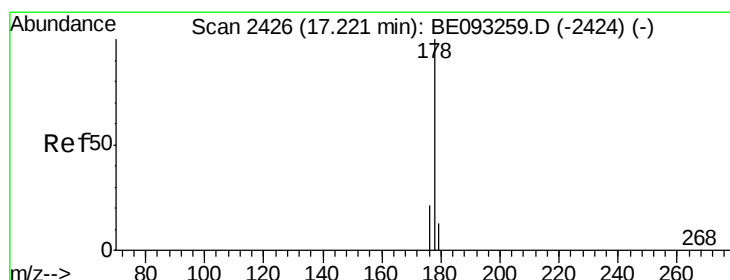
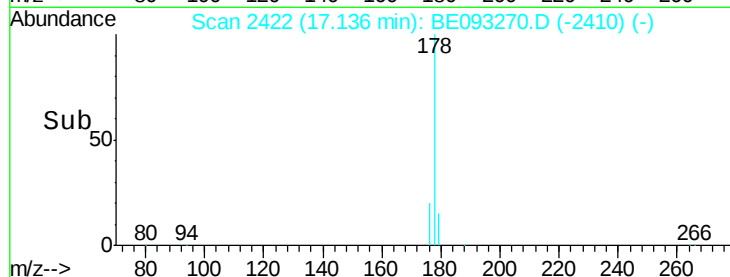
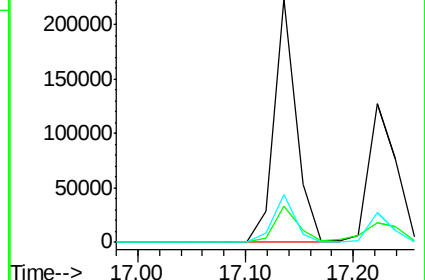
176 19.9 13.6 20.4



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: 4.69 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

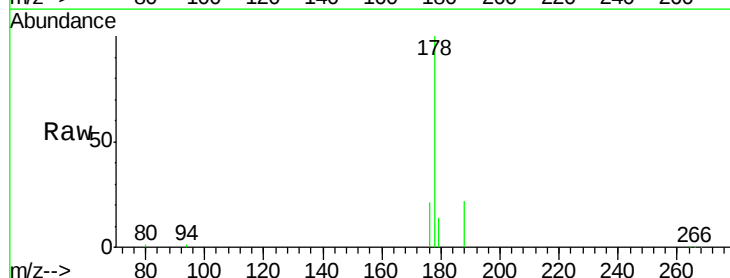
Tgt Ion:178 Resp: 227125

Ion Ratio Lower Upper

178 100

179 13.8 18.1 27.1#

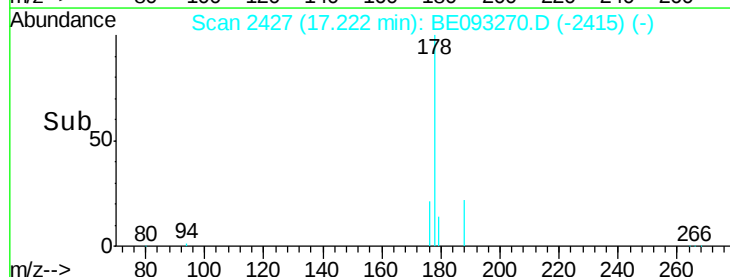
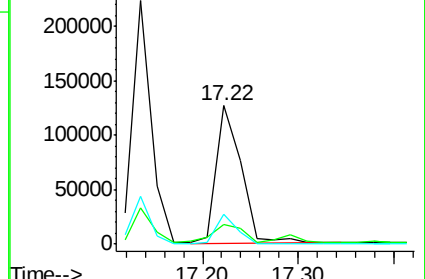
176 21.4 14.7 22.1

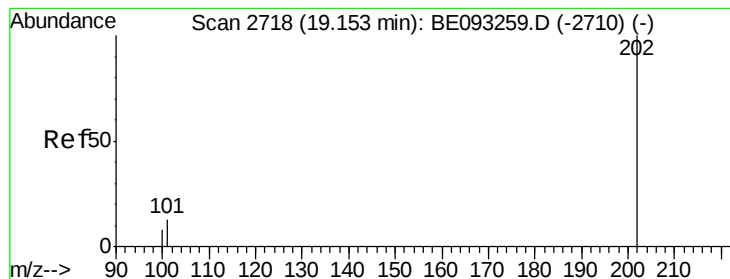


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 33.28 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. 0.01 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

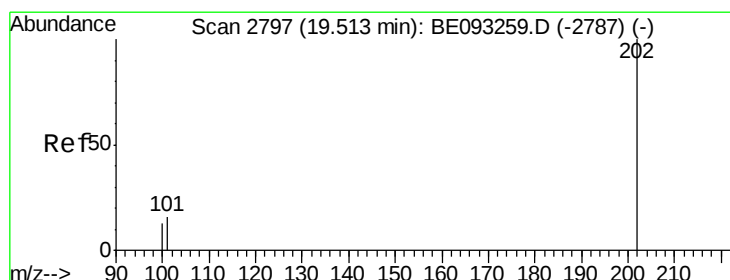
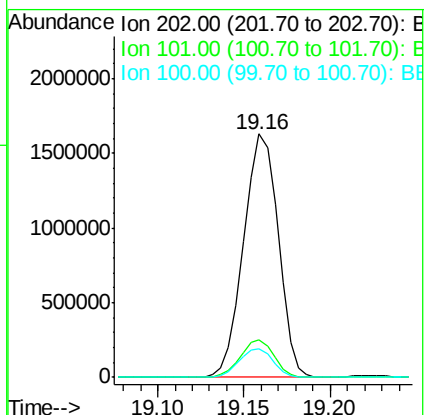
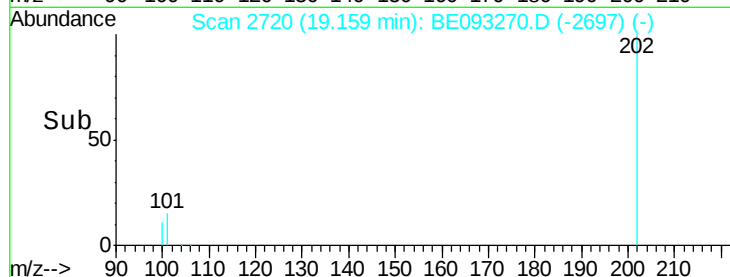
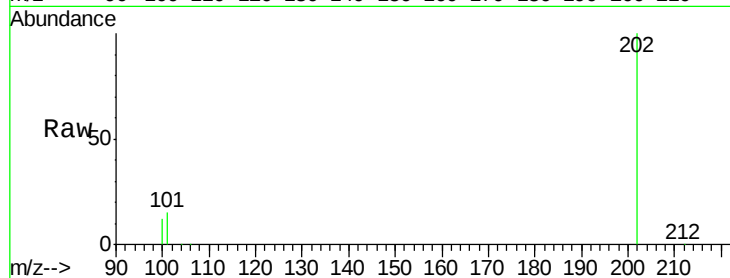
Tot Ion:202 Resp: 2267425

Ion Ratio Lower Upper

202 100

101 15.2 0.0 30.3

100 11.5 0.0 39.5



#17

Pyrene

Concen: 36.35 ng/ul

RT: 19.52 min Scan# 2800

Delta R.T. 0.01 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

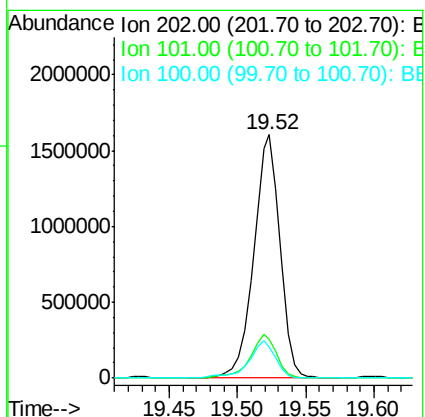
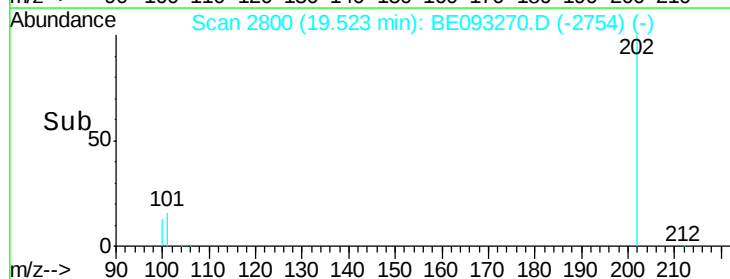
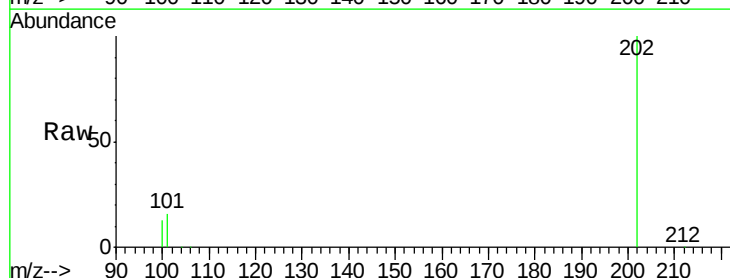
Tgt Ion:202 Resp: 2145189

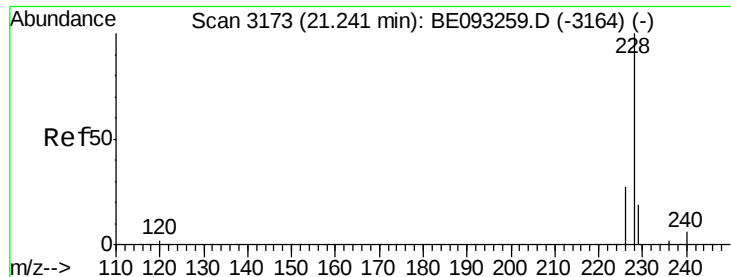
Ion Ratio Lower Upper

202 100

101 16.1 18.2 27.4#

100 12.9 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 21.28 ng/ul

RT: 21.25 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampled :

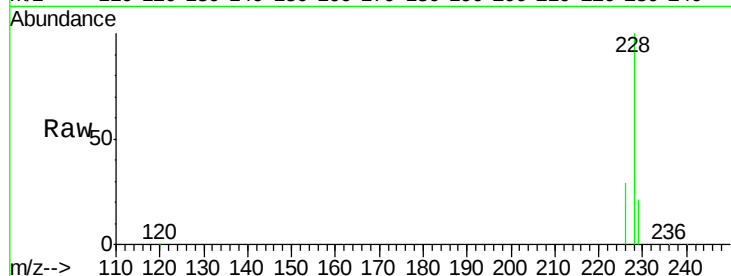
Tot Ion:228 Resp: 1136228

Ion Ratio Lower Upper

228 100

229 21.4 22.8 34.2#

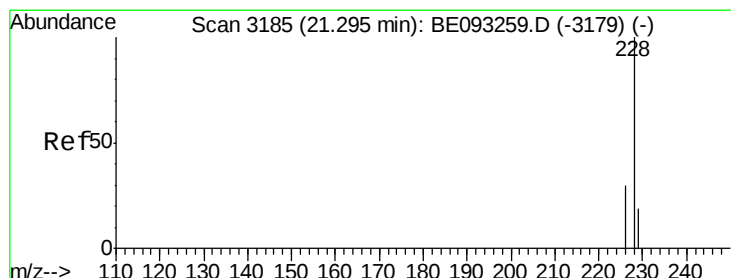
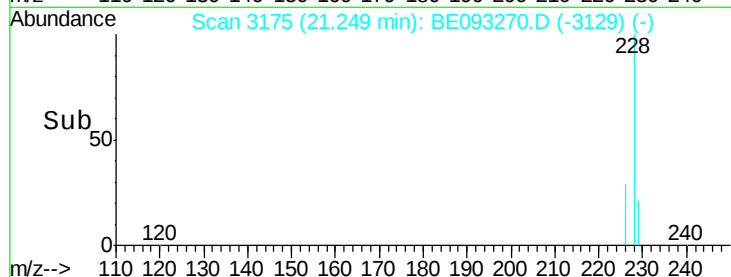
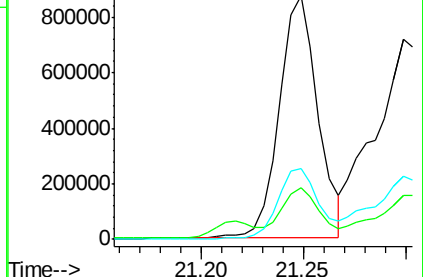
226 29.1 17.0 25.6#



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: 22.66 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

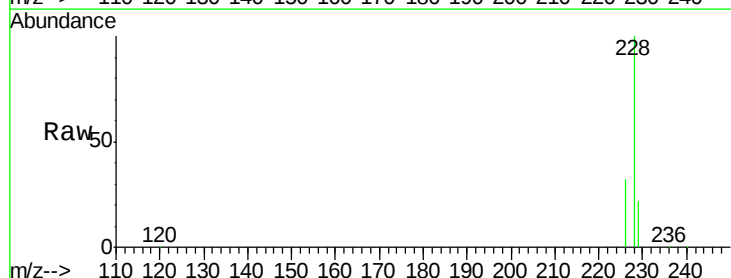
Tgt Ion:228 Resp: 1255063

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.0

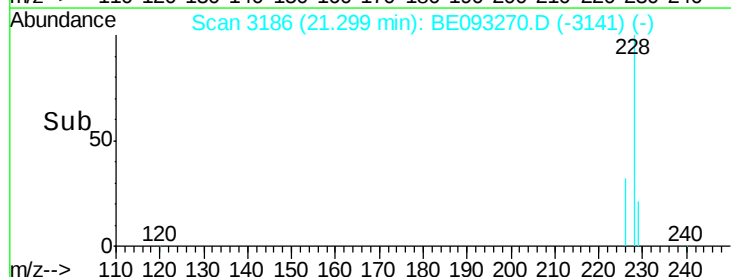
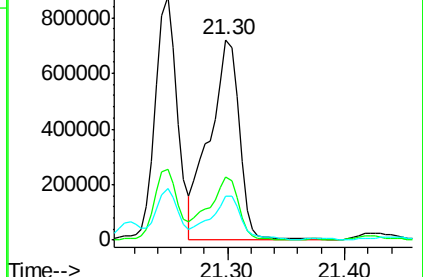
229 21.7 17.7 26.5

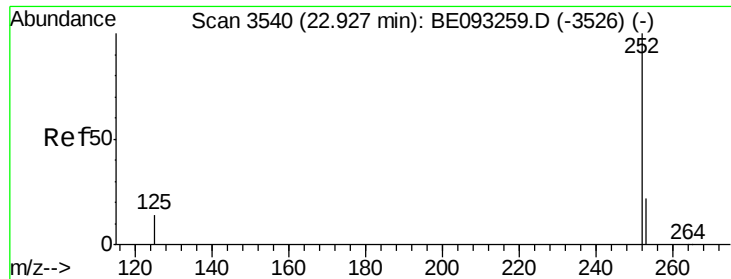


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.55 ng/ul

RT: 22.94 min Scan# 3544

Delta R.T. 0.02 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

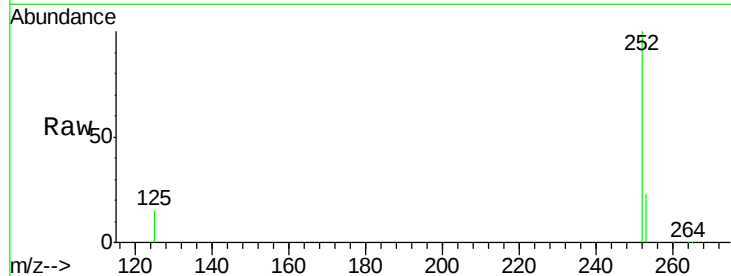
Tot Ion:252 Resp: 1424889

Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

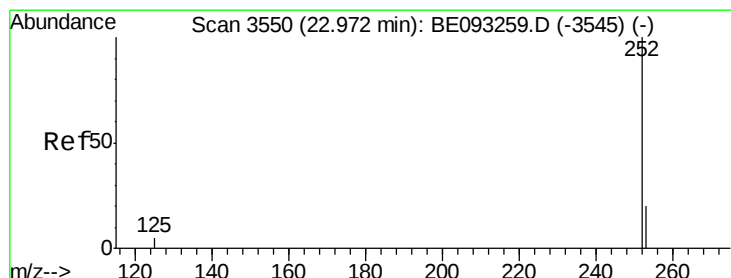
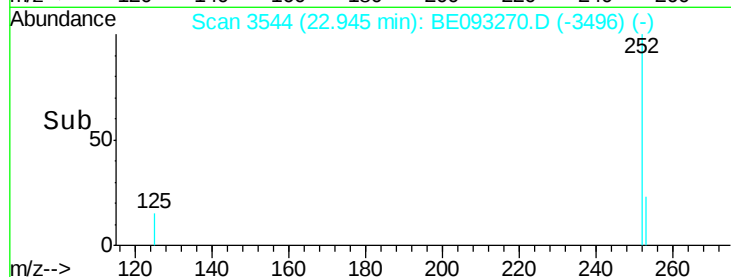
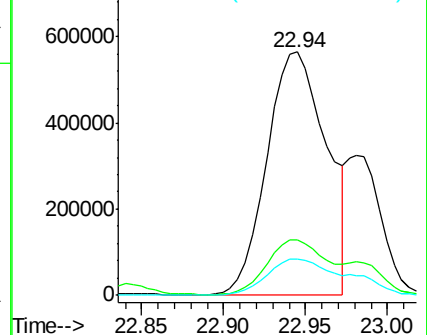
125 15.1 0.0 35.0



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: 0.68 ng/ul

RT: 22.94 min Scan# 3544

Delta R.T. -0.03 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

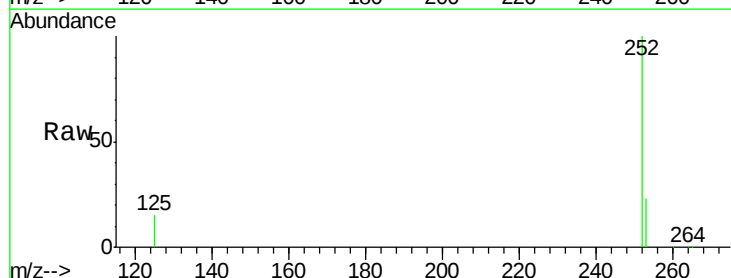
Tgt Ion:252 Resp: 1885922

Ion Ratio Lower Upper

252 100

253 22.9 24.5 36.7#

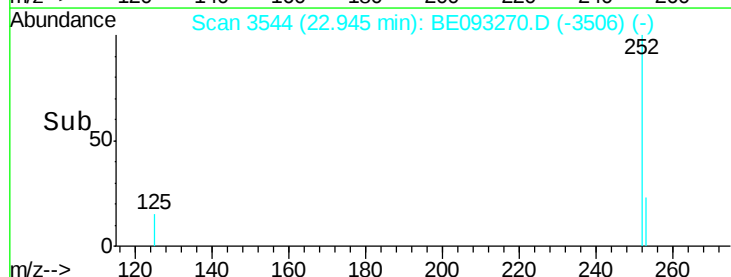
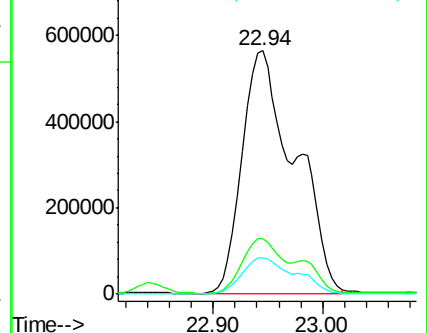
125 15.1 13.7 20.5

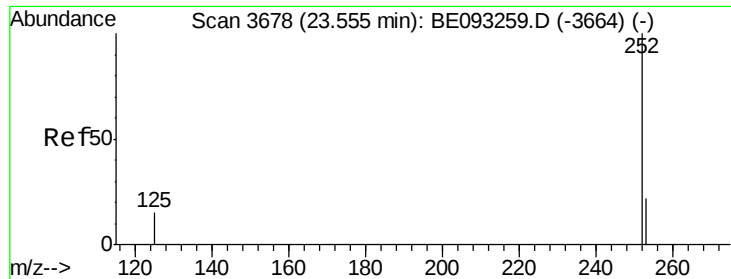


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.26 ng/ul

RT: 23.46 min Scan# 3658

Delta R.T. -0.09 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :

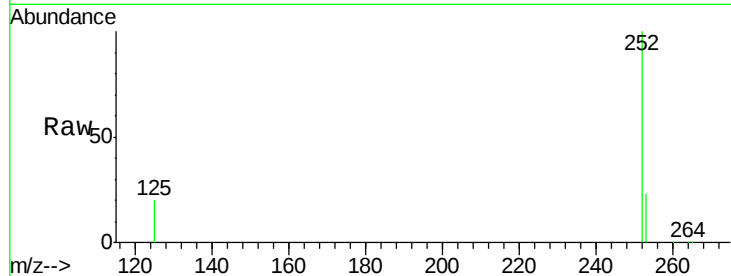
Tot Ion:252 Resp: 630865

Ion Ratio Lower Upper

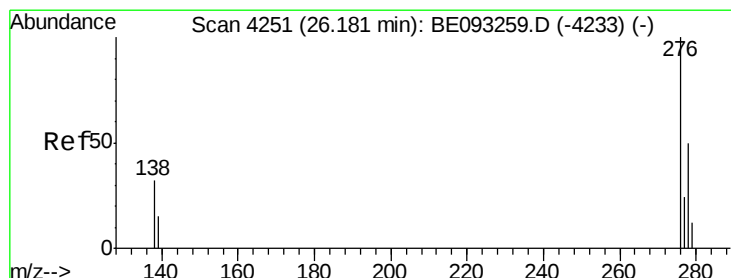
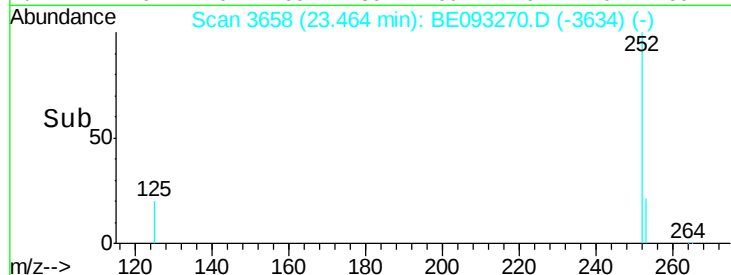
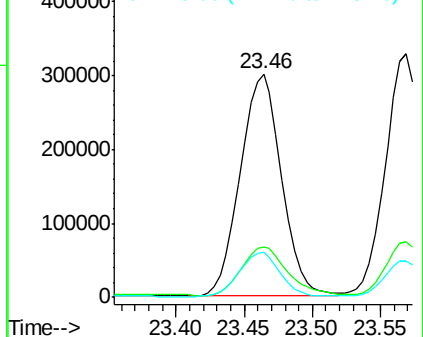
252 100

253 22.6 28.5 42.7#

125 20.0 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: 0.02 ng/ul

RT: 25.92 min Scan# 4193

Delta R.T. -0.26 min

Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

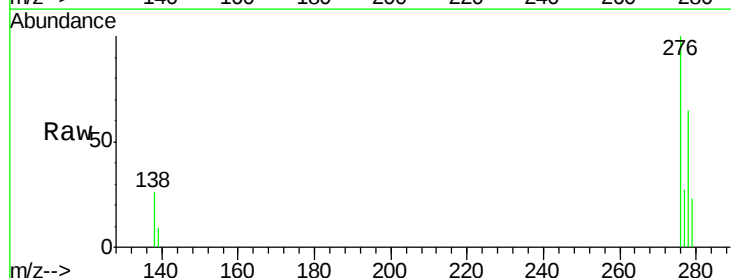
Tgt Ion:276 Resp: 57769

Ion Ratio Lower Upper

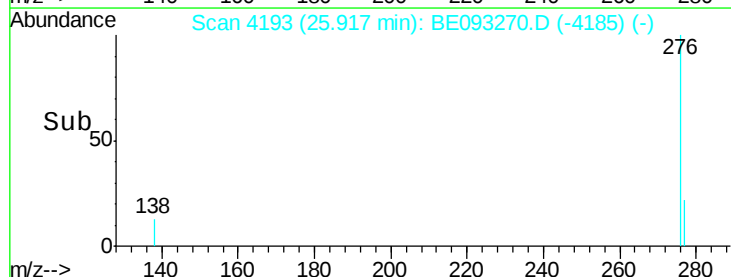
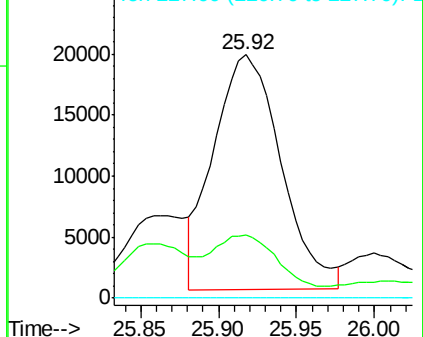
276 100

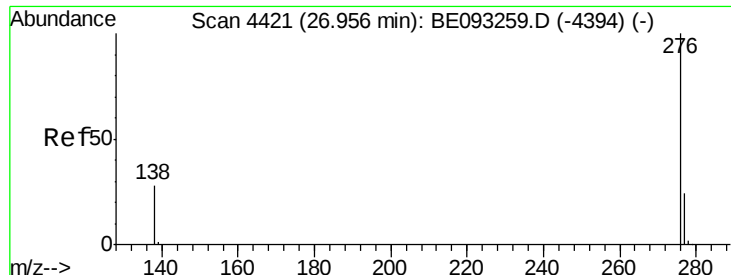
138 21.0 28.0 42.0#

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





#26

Benzo(a,h,i)perylene

Concen: 0.11 ng/ul

RT: 26.97 min Scan# 4424

Delta R.T. 0.01 min

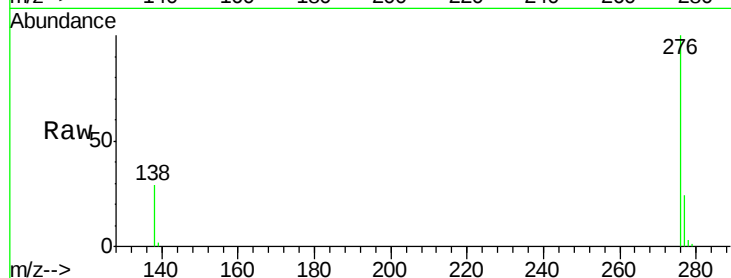
Lab File: BE093270.D

Acq: 20 Jun 2017 3:09

Instrument :

BNA_E

ClientSampleId :



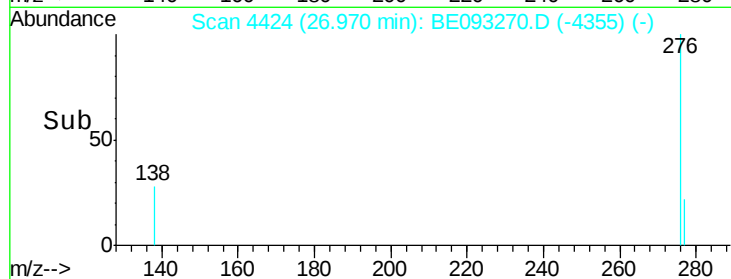
Tot Ion: 276 Resp: 266495

Ion Ratio Lower Upper

276 100

138 29.3 21.8 32.8

277 24.0 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

