

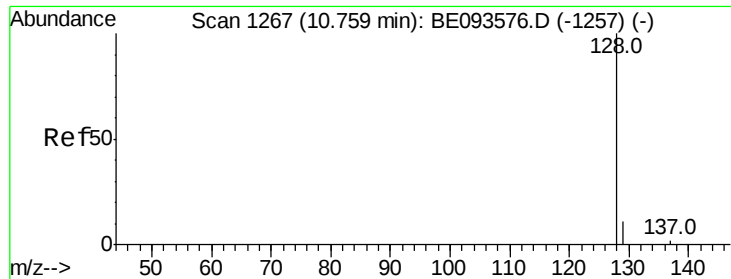
Data Path : Z:\HPCHEM1\BNA E\DATA\BE072517\
 Data File : BE093592.D
 Acq On : 26 Jul 2017 00:11
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.440

Quant Time: Jul 26 02:50:16 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 06:10:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2144	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	10734	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	6670	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	16745	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	18955	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	17392	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	7045	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	19733	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	10617	0.407	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	7683	0.403	ng/ul	98
7) Acenaphthylene	14.25	152	11362	0.407	ng/ul	96
8) Acenaphthene	14.59	153	8788	0.400	ng/ul	98
9) Fluorene	15.57	166	10580	0.381	ng/ul#	94
11) Pentachlorophenol	16.91	266	786	0.285	ng/ul	96
12) Phenanthrene	17.29	178	18713	0.410	ng/ul#	88
13) Anthracene	17.38	178	17344	0.390	ng/ul#	88
15) Fluoranthene	19.30	202	21208	0.372	ng/ul	85
17) Pyrene	19.66	202	21831	0.395	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	21173	0.385	ng/ul#	86
19) Chrysene	21.45	228	20753	0.394	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	20823	0.387	ng/ul	86
22) Benzo(k)fluoranthene	23.19	252	20106	0.379	ng/ul#	87
23) Benzo(a)pyrene	23.80	252	19834	0.388	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.55	276	21814	0.386	ng/ul#	84
25) Dibenzo(a,h)anthracene	26.57	278	18243	0.386	ng/ul#	90
26) Benzo(g,h,i)perylene	27.35	276	18061	0.379	ng/ul	96

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



#3

Naphthalene

Concen: 0.407 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.440

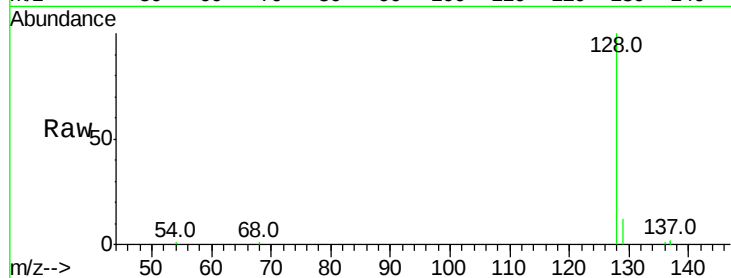
Tot Ion:128 Resp: 10617

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

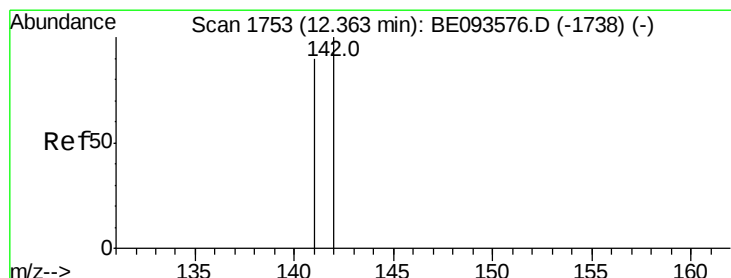
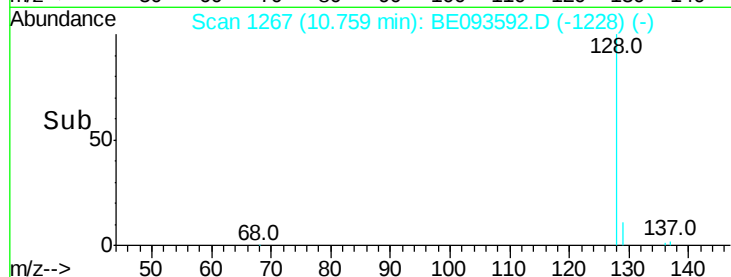
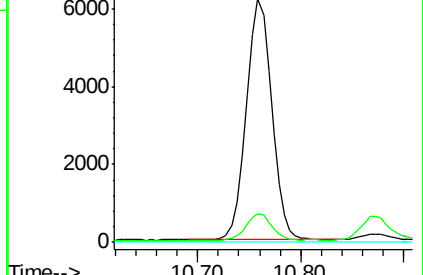
127 0.0 4.0 6.0#



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: 0.403 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BE093592.D

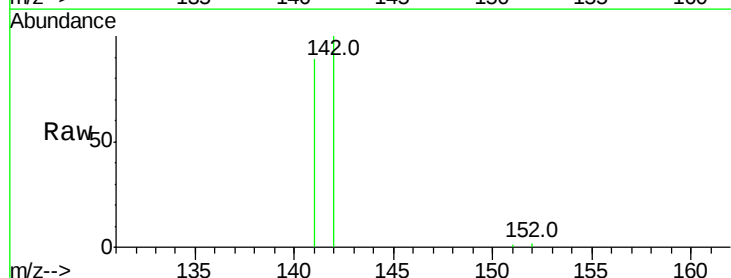
Acq: 26 Jul 2017 00:11

Tgt Ion:142 Resp: 7683

Ion Ratio Lower Upper

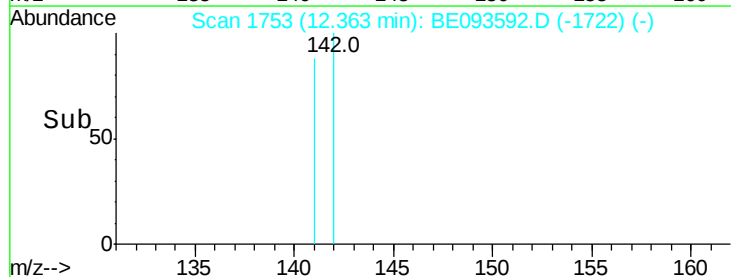
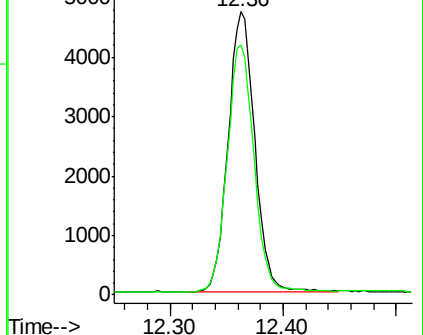
142 100

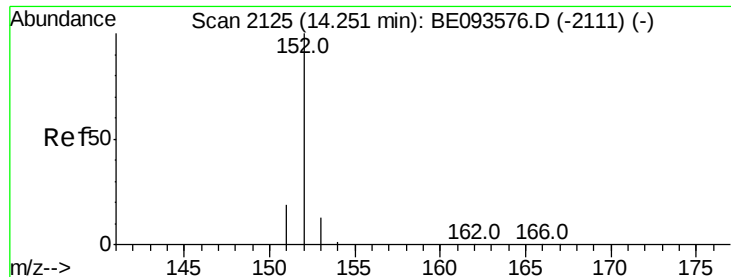
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.407 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.440

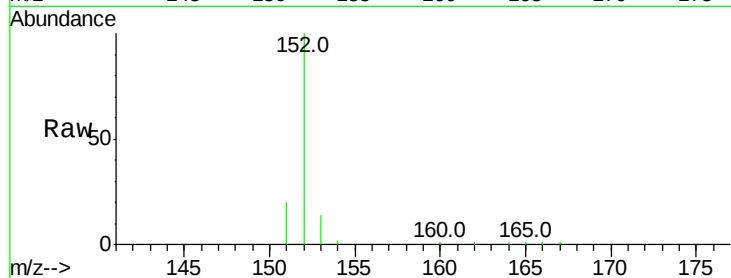
Tot Ion:152 Resp: 11362

Ion Ratio Lower Upper

152 100

151 20.1 17.1 25.7

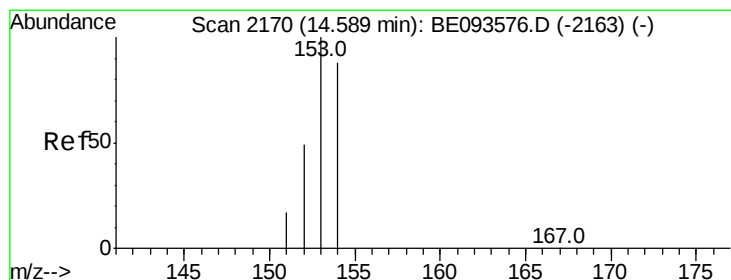
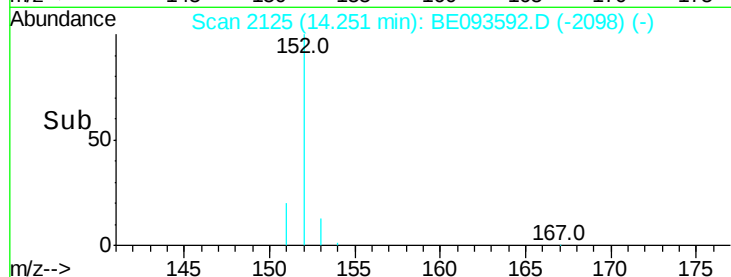
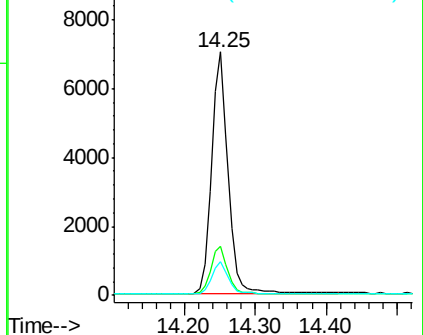
153 13.7 12.8 19.2



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: 0.400 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

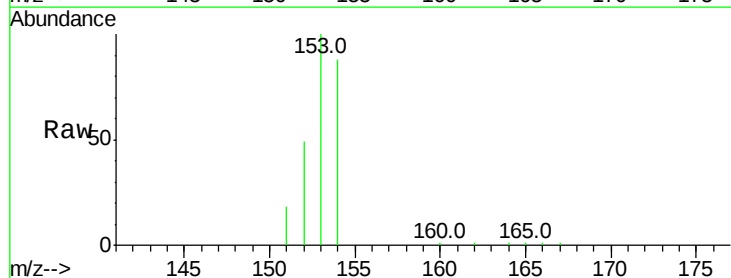
Tgt Ion:153 Resp: 8788

Ion Ratio Lower Upper

153 100

152 48.7 40.3 60.5

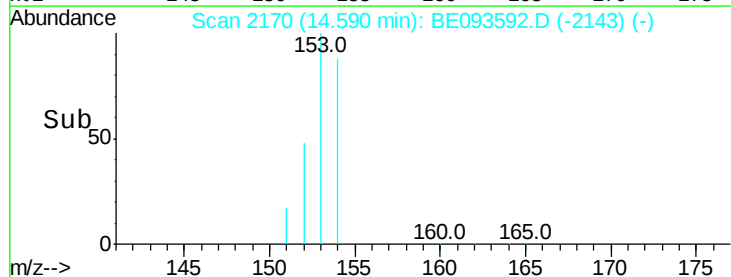
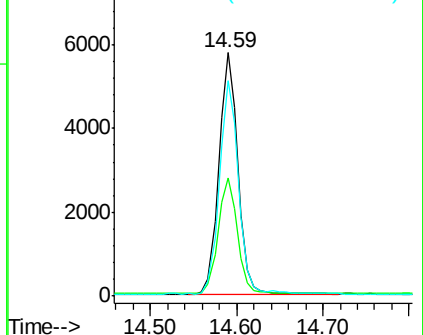
154 88.3 71.4 107.2

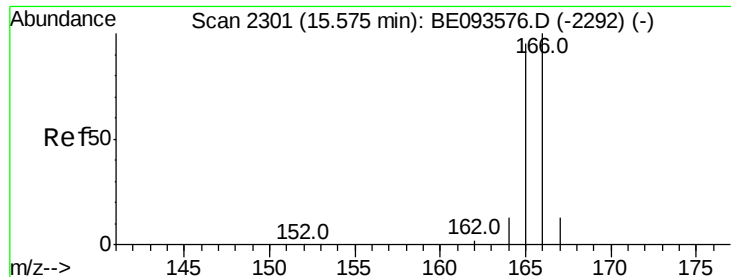


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

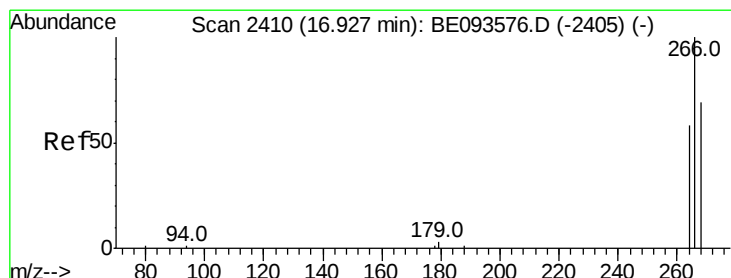
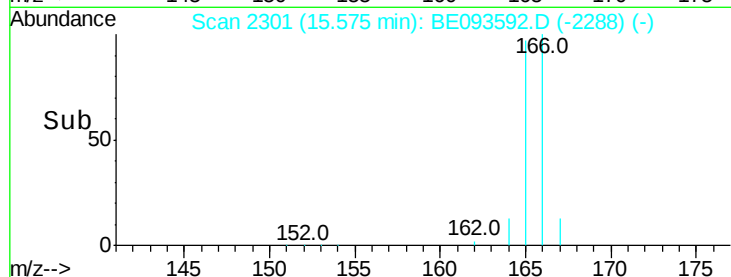
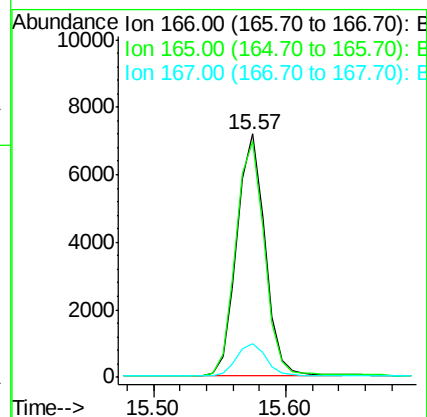
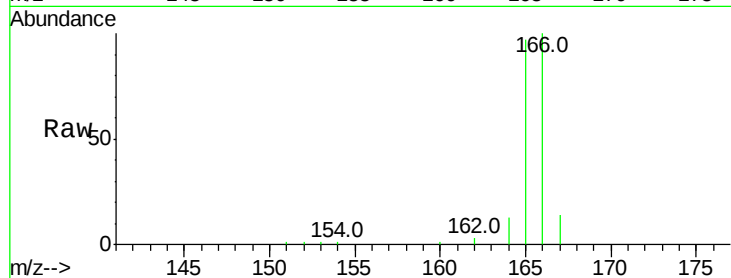




#9
Fluorene
 Concen: 0.381 ng/ul
 RT: 15.57 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: BE093592.D
 Acq: 26 Jul 2017 00:11

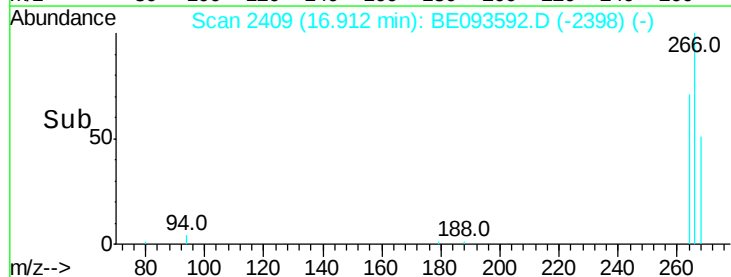
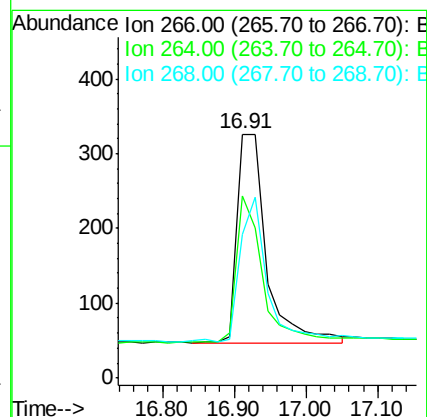
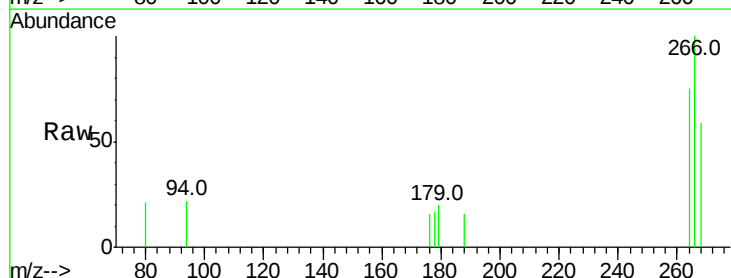
Instrument :
 BNA_E
 ClientSampleId :
 SST0.440

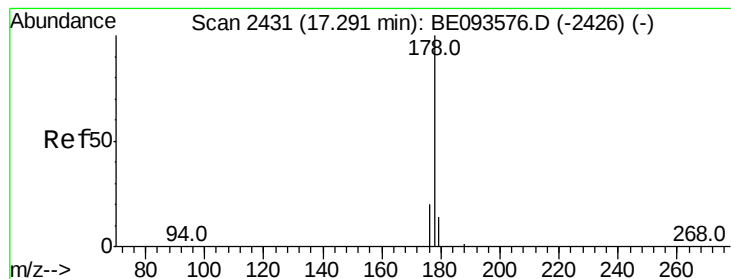
Tot Ion:166 Resp: 10580
 Ion Ratio Lower Upper
 166 100
 165 97.1 73.4 110.2
 167 14.0 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.285 ng/ul
 RT: 16.91 min Scan# 2409
 Delta R.T. -0.02 min
 Lab File: BE093592.D
 Acq: 26 Jul 2017 00:11

Tgt Ion:266 Resp: 786
 Ion Ratio Lower Upper
 266 100
 264 64.1 47.9 71.9
 268 64.6 49.8 74.8





#12

Phenanthrene

Concen: 0.410 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.440

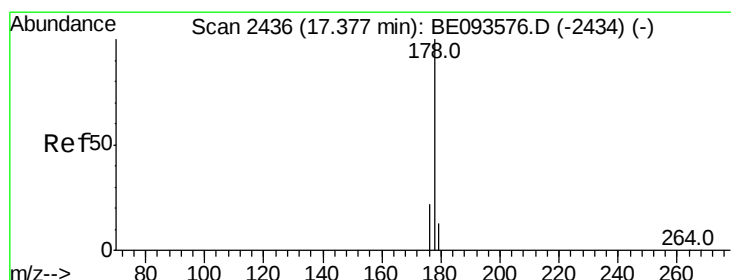
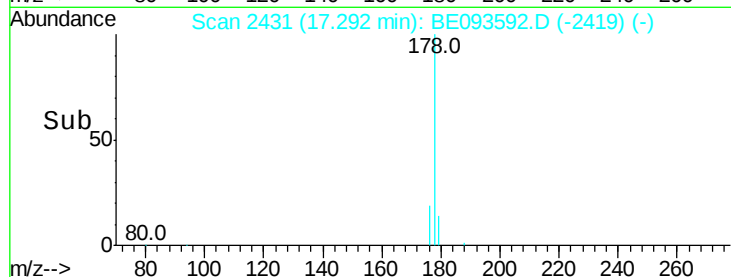
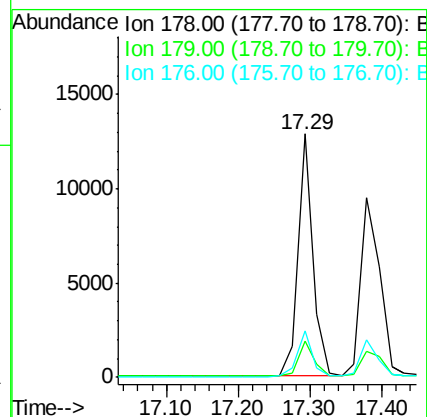
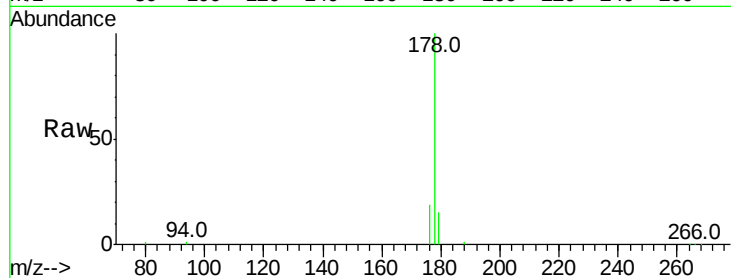
Tot Ion:178 Resp: 18713

Ion Ratio Lower Upper

178 100

179 14.8 18.4 27.6#

176 19.3 13.6 20.4



#13

Anthracene

Concen: 0.390 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

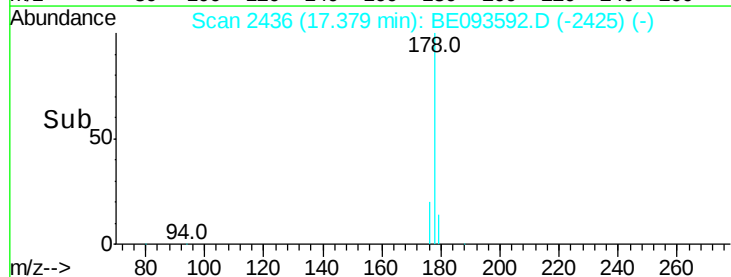
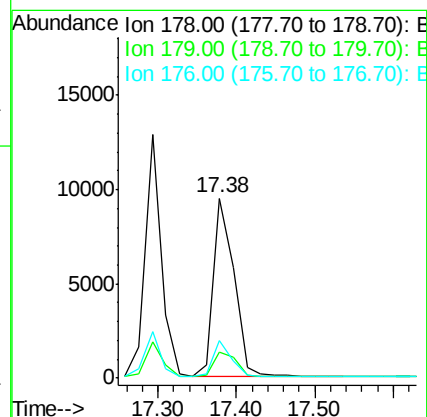
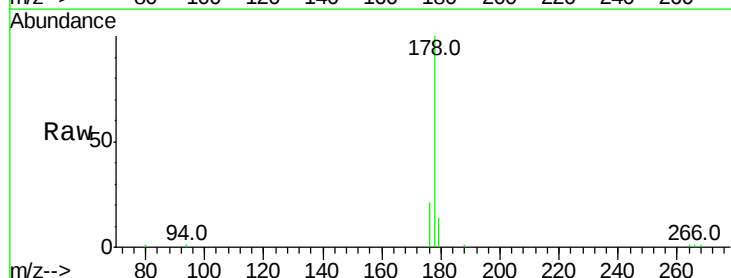
Tgt Ion:178 Resp: 17344

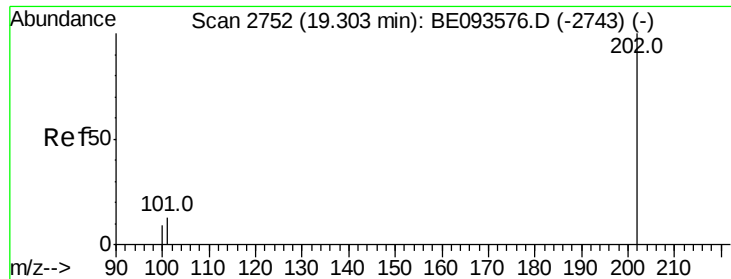
Ion Ratio Lower Upper

178 100

179 14.2 18.1 27.1#

176 20.8 14.7 22.1





#15

Fluoranthene

Concen: 0.372 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.440

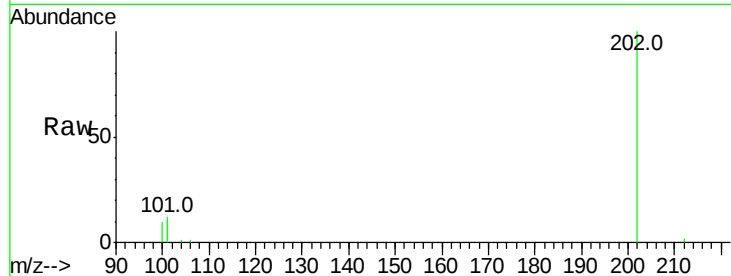
Tot Ion:202 Resp: 21208

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.3

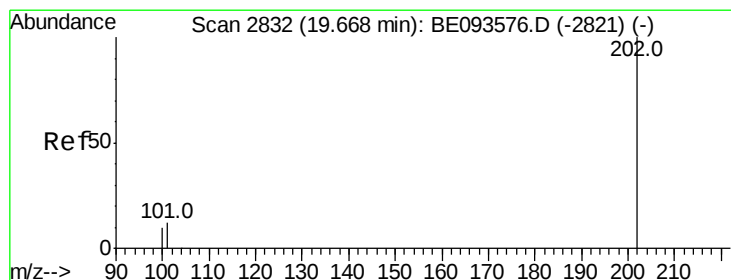
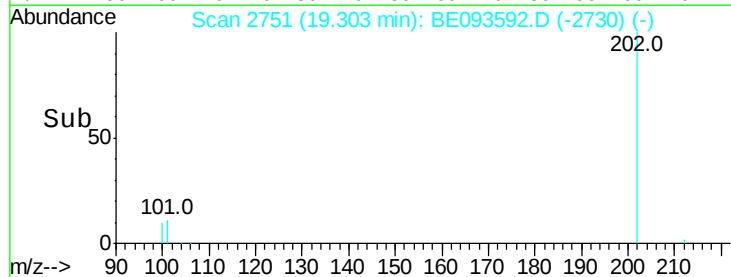
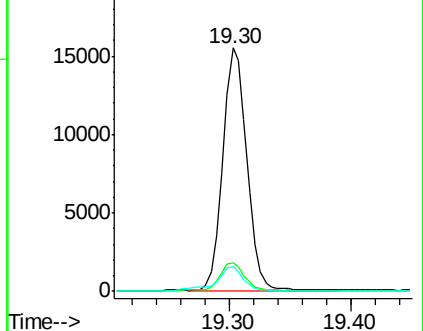
100 9.9 0.0 39.5



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: 0.395 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

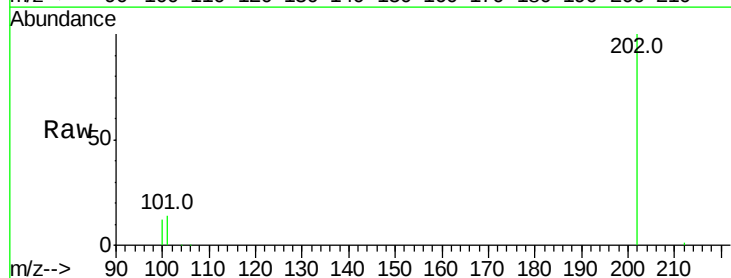
Tgt Ion:202 Resp: 21831

Ion Ratio Lower Upper

202 100

101 14.0 18.2 27.4#

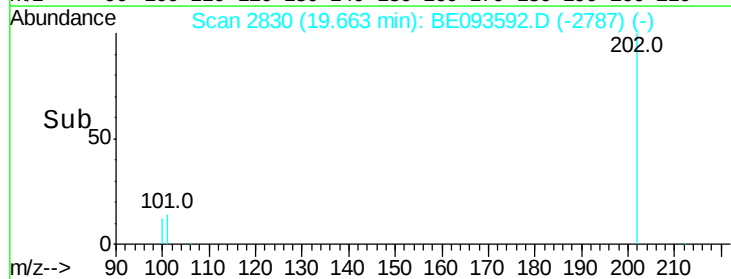
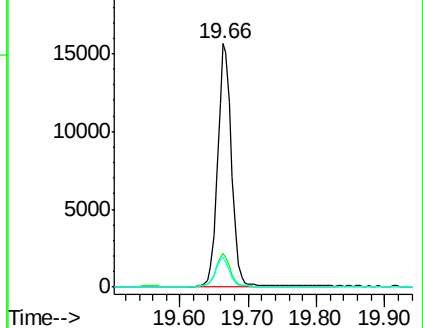
100 12.1 15.6 23.4#

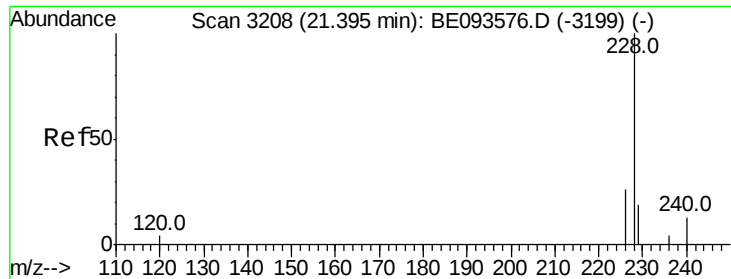


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.385 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.440

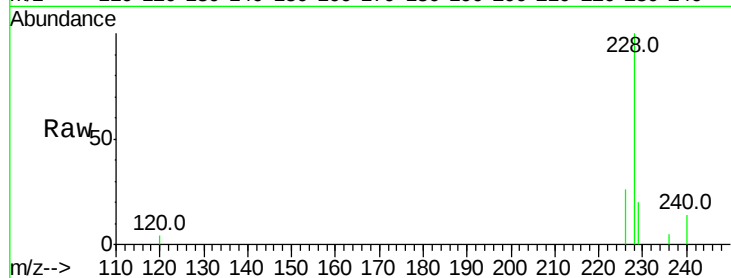
Tot Ion:228 Resp: 21173

Ion Ratio Lower Upper

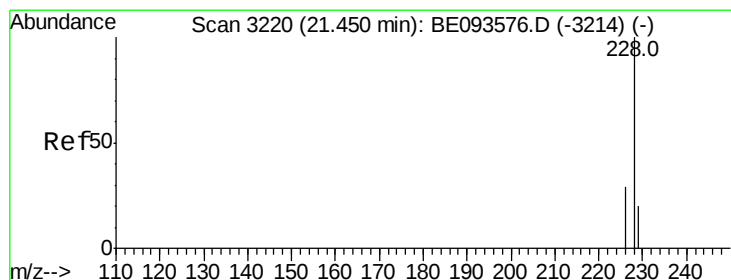
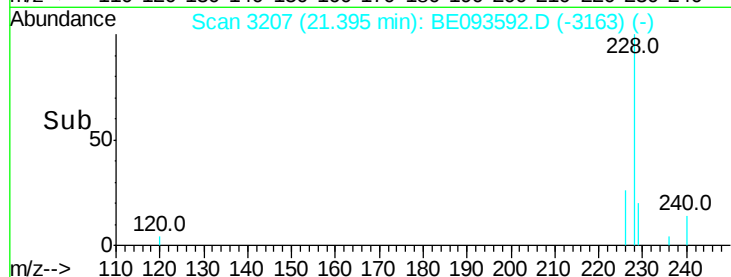
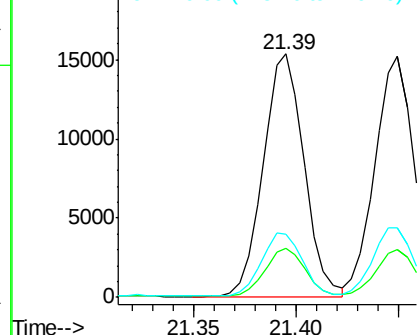
228 100

229 19.9 22.8 34.2#

226 26.2 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: 0.394 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

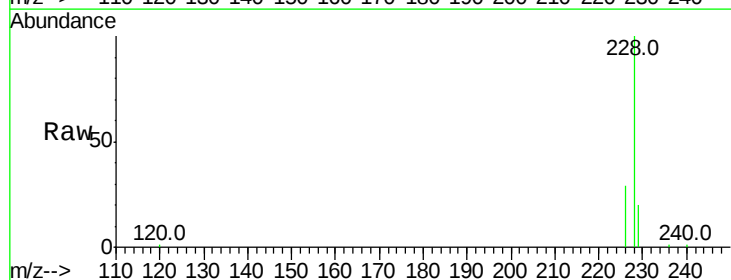
Tgt Ion:228 Resp: 20753

Ion Ratio Lower Upper

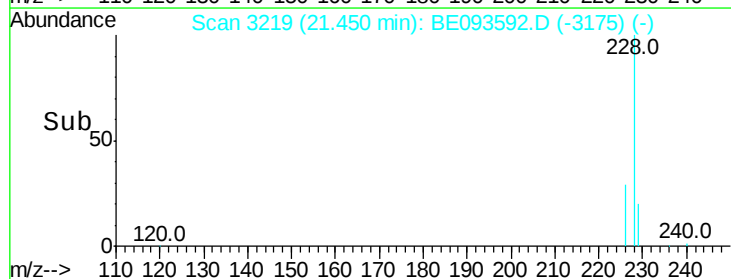
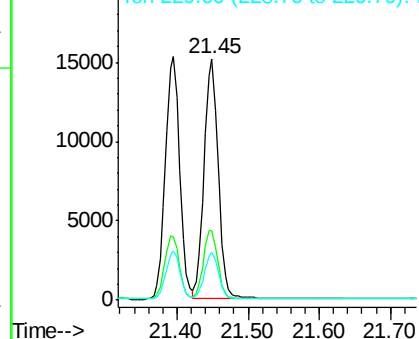
228 100

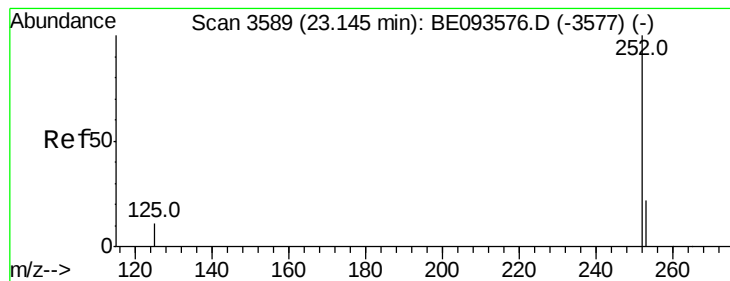
226 29.0 23.4 35.0

229 20.0 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: 0.387 ng/u1

RT: 23.14 min Scan# 3587

Delta R.T. -0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.440

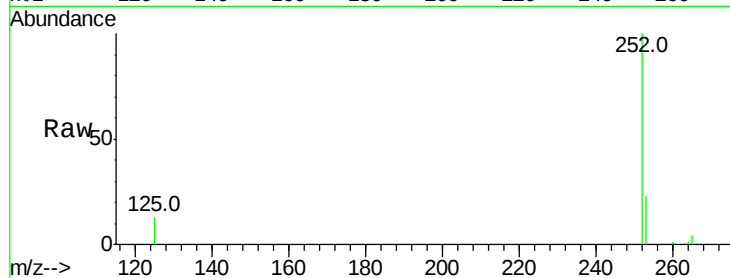
Tot Ion:252 Resp: 20823

Ion Ratio Lower Upper

252 100

253 23.4 0.0 64.2

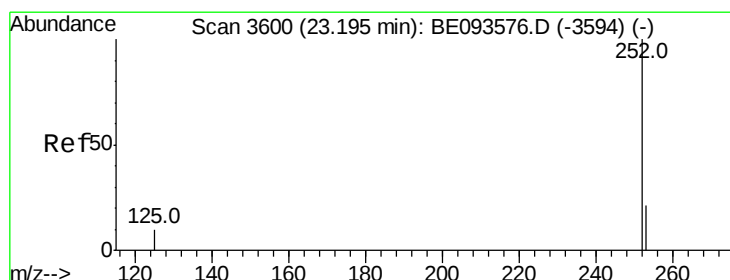
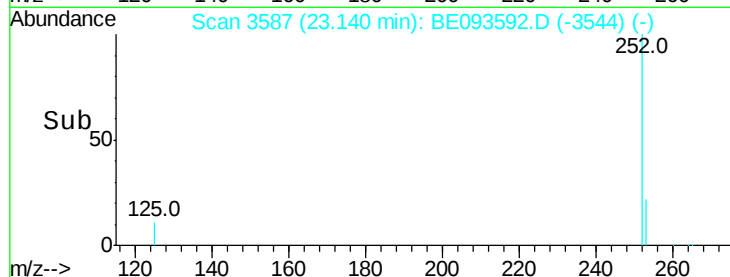
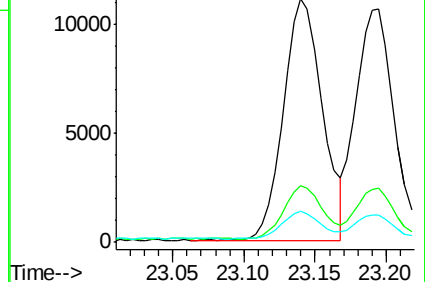
125 12.9 0.0 35.0



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: 0.379 ng/u1

RT: 23.19 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

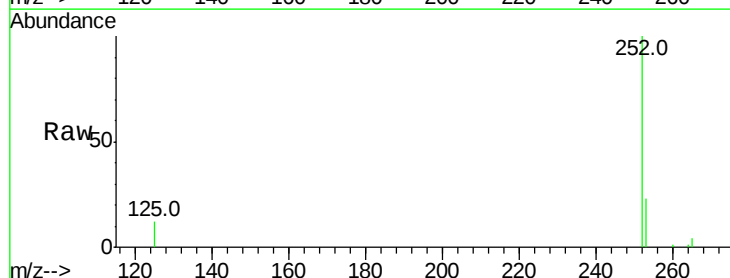
Tgt Ion:252 Resp: 20106

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

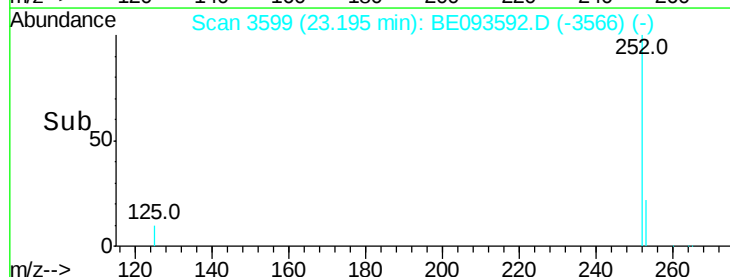
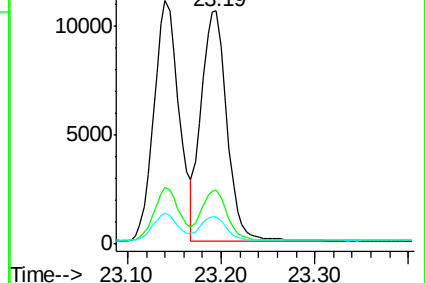
125 11.6 13.7 20.5#

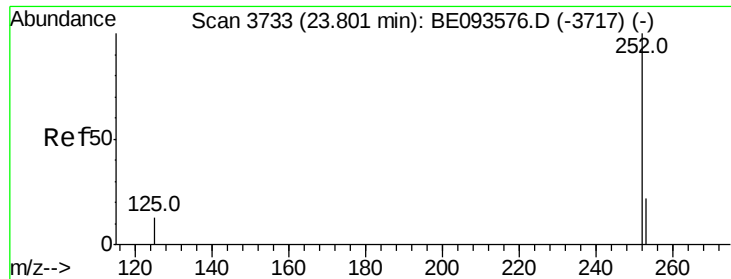


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.388 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. 0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.440

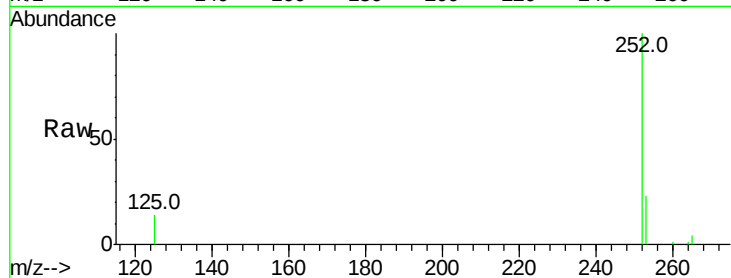
Tot Ion:252 Resp: 19834

Ion Ratio Lower Upper

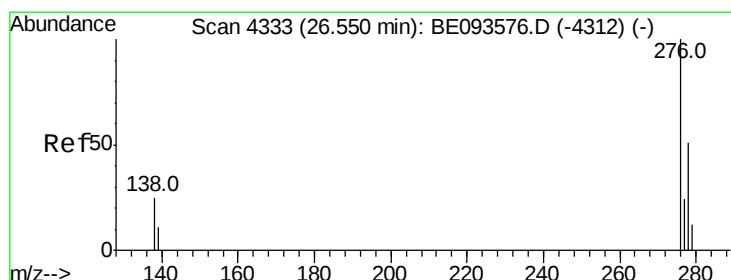
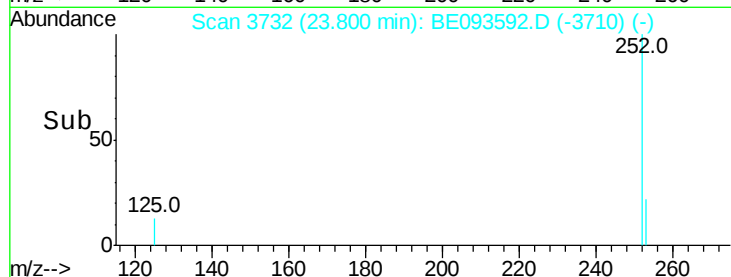
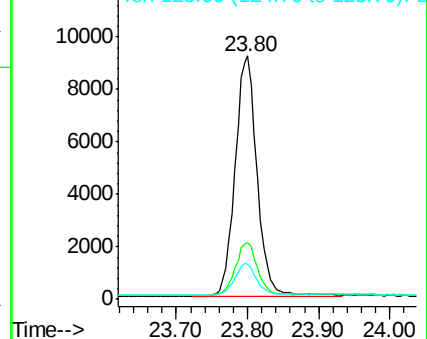
252 100

253 23.4 28.5 42.7#

125 14.4 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: 0.386 ng/ul

RT: 26.55 min Scan# 4331

Delta R.T. -0.00 min

Lab File: BE093592.D

Acq: 26 Jul 2017 00:11

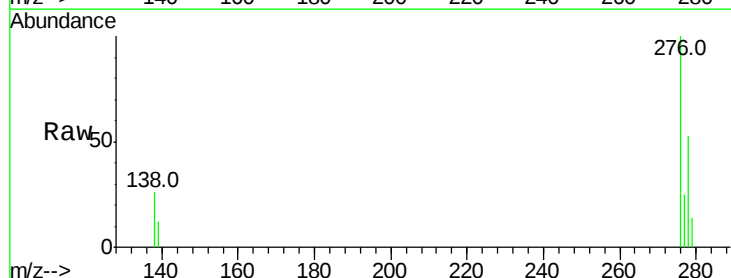
Tgt Ion:276 Resp: 21814

Ion Ratio Lower Upper

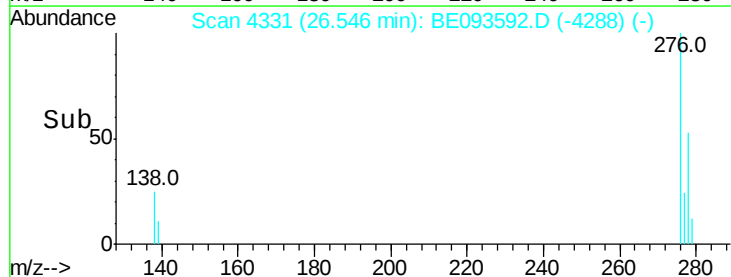
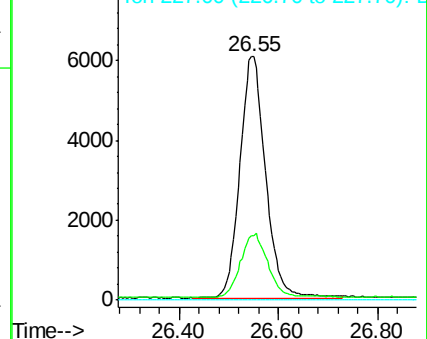
276 100

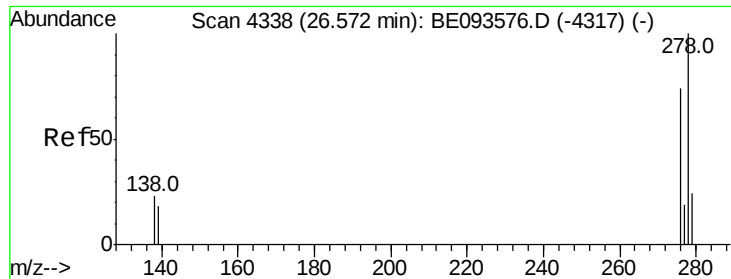
138 27.6 28.0 42.0#

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



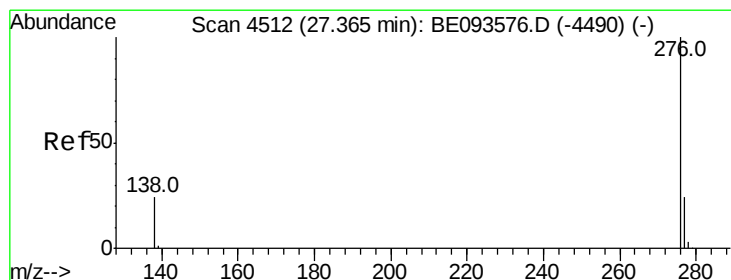
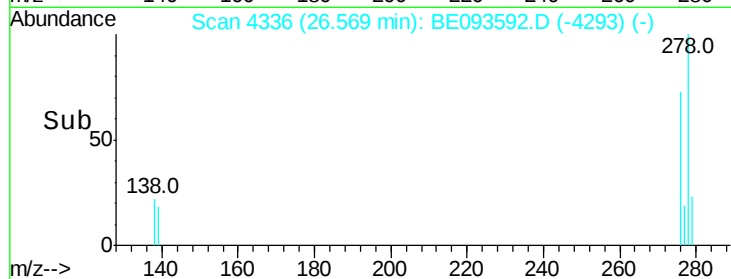
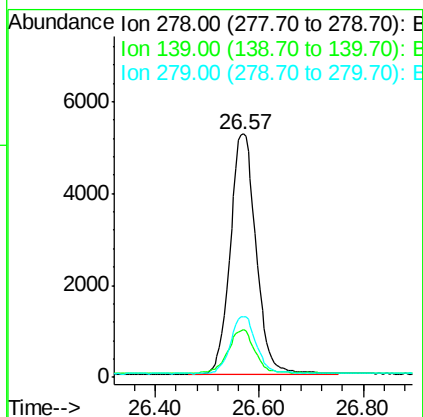
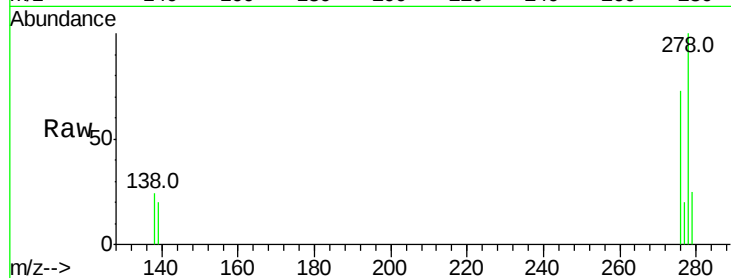


#25
Dibenzo(a,h)anthracene
Concen: 0.386 ng/ul
RT: 26.57 min Scan# 4336
Delta R.T. -0.00 min
Lab File: BE093592.D
Acq: 26 Jul 2017 00:11

Instrument :
BNA_E
ClientSampleId :
SSTD0.440

Tot Ion:278 Resp: 18243

Ion	Ratio	Lower	Upper
278	100		
139	19.7	17.4	26.0
279	24.7	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.379 ng/ul
RT: 27.35 min Scan# 4508
Delta R.T. -0.02 min
Lab File: BE093592.D
Acq: 26 Jul 2017 00:11

Tgt Ion:276 Resp: 18061

Ion	Ratio	Lower	Upper
276	100		
138	24.3	21.8	32.8
277	24.1	20.5	30.7

