

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093845.D
 Acq On : 16 Aug 2017 18:10
 Operator : SJ/JU
 Sample : I4672-05DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AH1DL

Quant Time: Aug 17 01:00:26 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 17 00:58:19 2017
 Response via : Initial Calibration

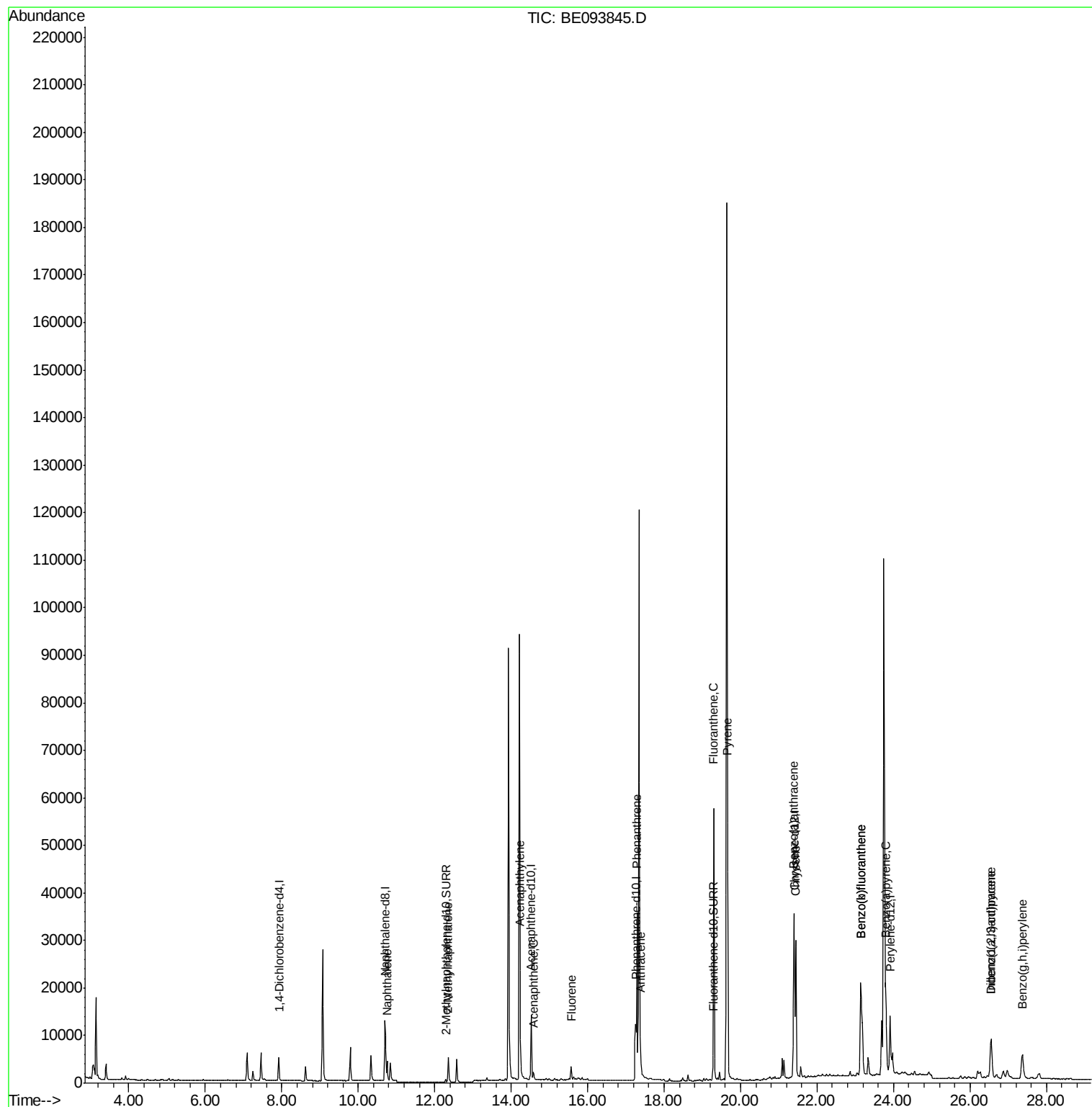
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2610	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	14222	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	8222	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	18169	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	19858	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	19852	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	869	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2151	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	6380	0.184	ng/ul#	94
5) 2-Methylnaphthalene	12.36	142	4716	0.187	ng/ul	99
7) Acenaphthylene	14.24	152	2341	0.068	ng/ul#	93
8) Acenaphthene	14.58	153	1014	0.037	ng/ul	94
9) Fluorene	15.57	166	1780	0.052	ng/ul	92
12) Phenanthrene	17.29	178	39317	0.795	ng/ul#	90
13) Anthracene	17.38	178	5366	0.111	ng/ul#	91
15) Fluoranthene	19.30	202	65633	1.061	ng/ul	84
17) Pyrene	19.66	202	60767	1.048	ng/ul#	80
18) Benzo(a)anthracene	21.39	228	30081	0.522	ng/ul#	85
19) Chrysene	21.44	228	31649	0.573	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	52695	0.858	ng/ul	88
22) Benzo(k)fluoranthene	23.14	252	52695	0.870	ng/ul#	90
23) Benzo(a)pyrene	23.80	252	26002	0.445	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.56	276	16231	0.252	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.56	278	4034	0.075	ng/ul#	90
26) Benzo(a,h,i)perylene	27.37	276	13495	0.248	ng/ul	99

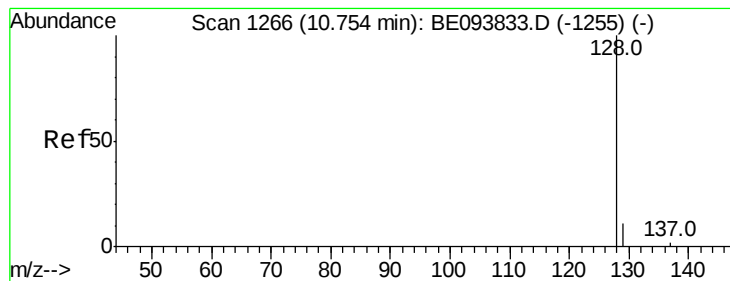
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.184 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

Instrument :

BNA_E

ClientSampleId :

C0AH1DL

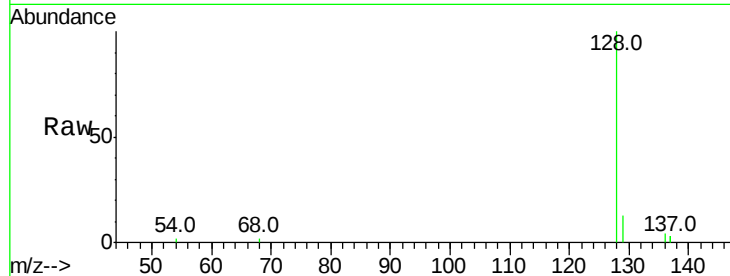
Tot Ion:128 Resp: 6380

Ion Ratio Lower Upper

128 100

129 13.0 11.3 16.9

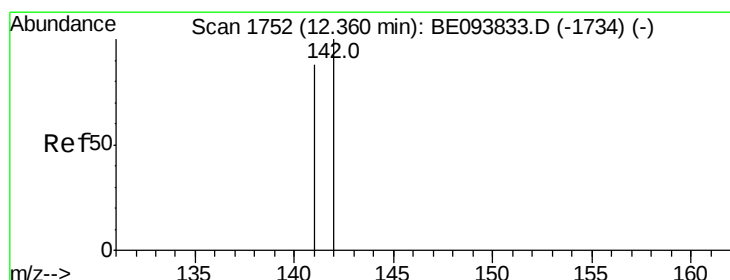
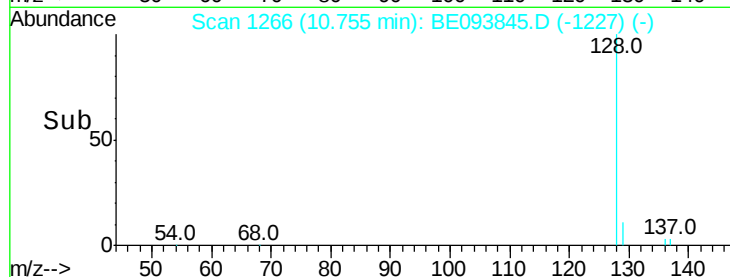
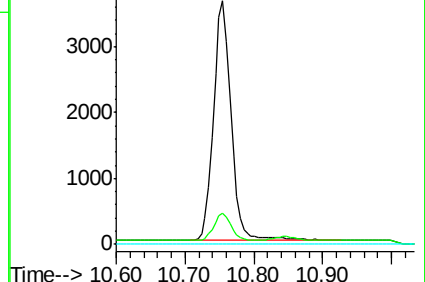
127 0.0 4.0 6.0#



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: 0.187 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093845.D

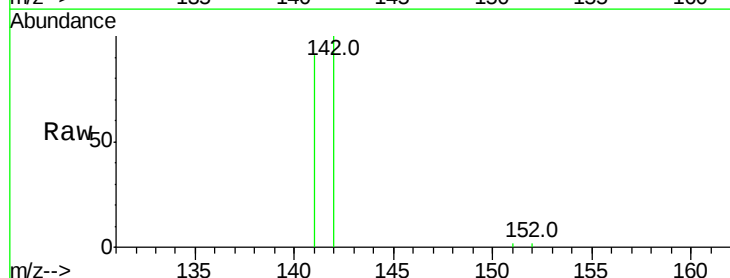
Acq: 16 Aug 2017 18:10

Tgt Ion:142 Resp: 4716

Ion Ratio Lower Upper

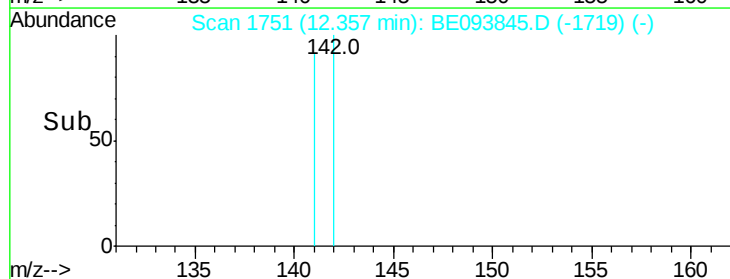
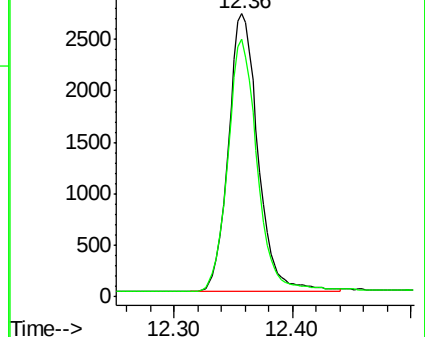
142 100

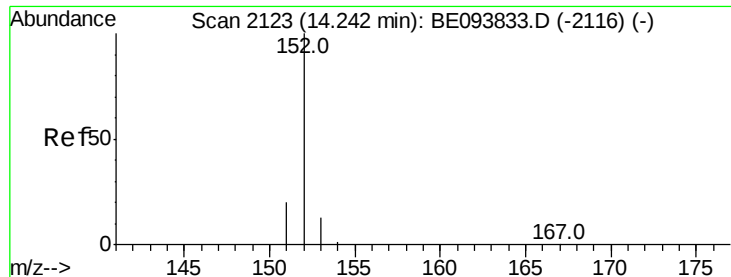
141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.068 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

Instrument :

BNA_E

ClientSampleId :

C0AH1DL

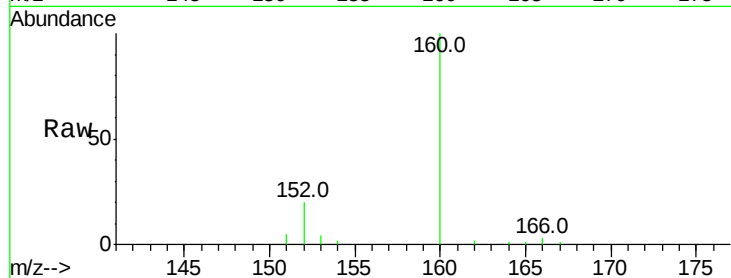
Tot Ion:152 Resp: 2341

Ion Ratio Lower Upper

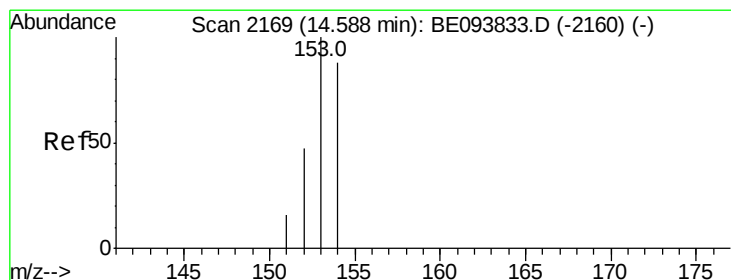
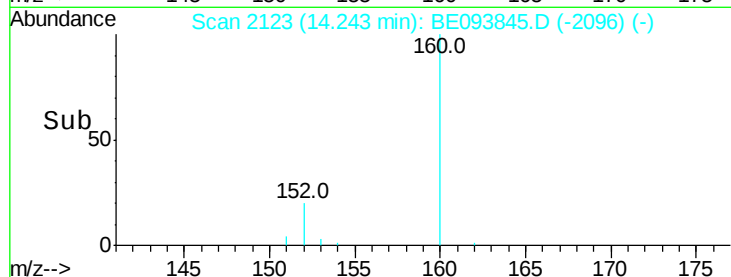
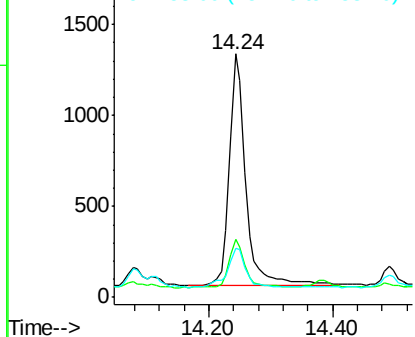
152 100

151 24.0 17.1 25.7

153 19.9 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: 0.037 ng/ul

RT: 14.58 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

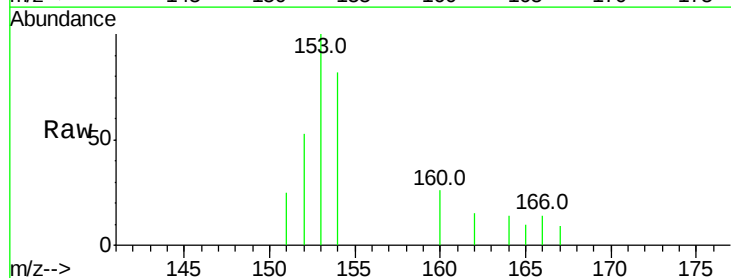
Tgt Ion:153 Resp: 1014

Ion Ratio Lower Upper

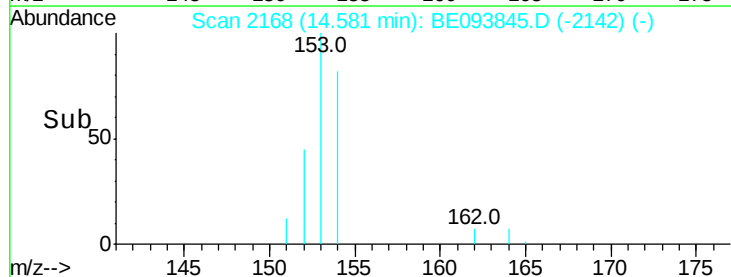
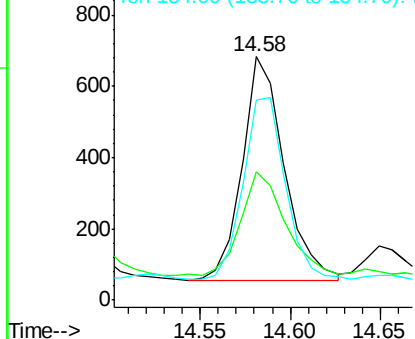
153 100

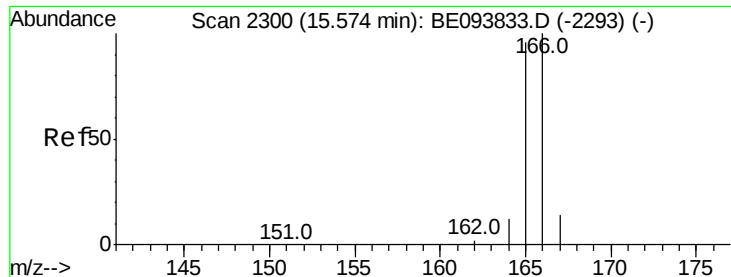
152 52.7 40.3 60.5

154 82.3 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: 0.052 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

Instrument :

BNA_E

ClientSampleId :

C0AH1DL

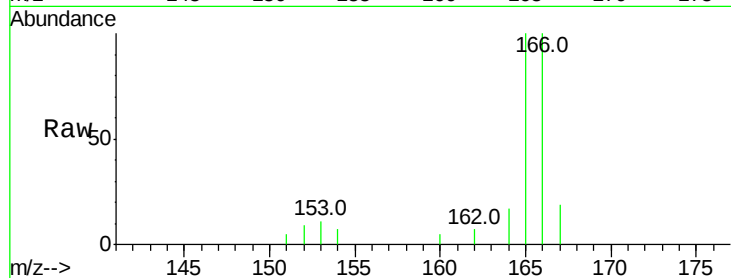
Tot Ion:166 Resp: 1780

Ion Ratio Lower Upper

166 100

165 100.3 73.4 110.2

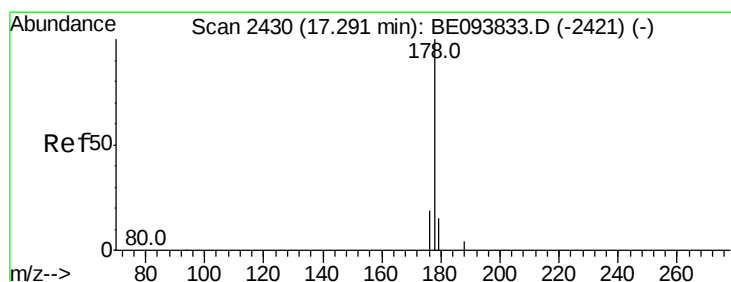
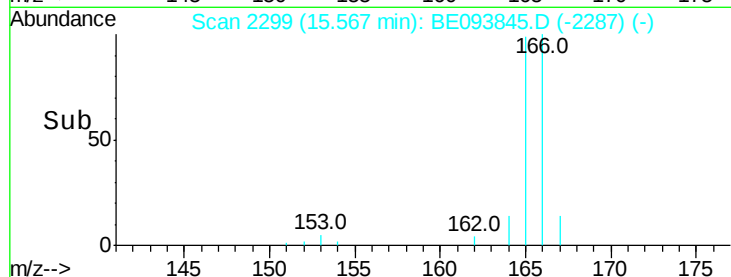
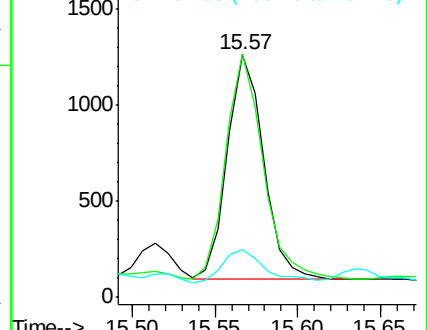
167 19.5 14.6 22.0



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



#12

Phenanthrene

Concen: 0.795 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

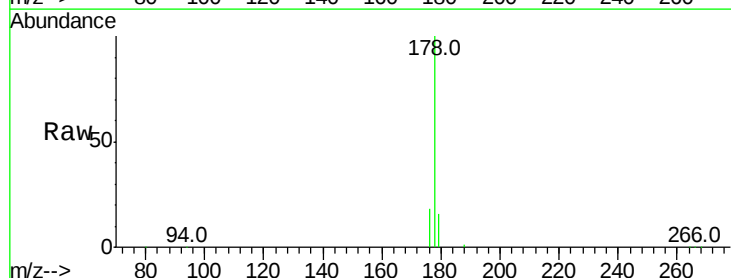
Tgt Ion:178 Resp: 39317

Ion Ratio Lower Upper

178 100

179 15.8 18.4 27.6#

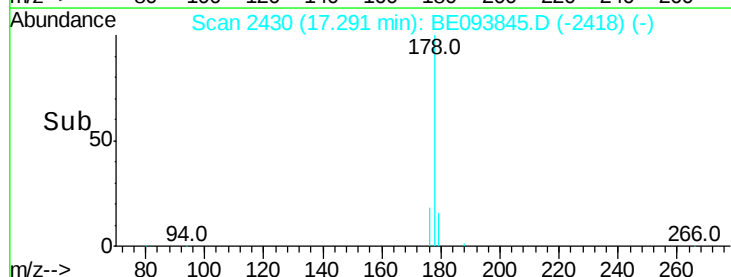
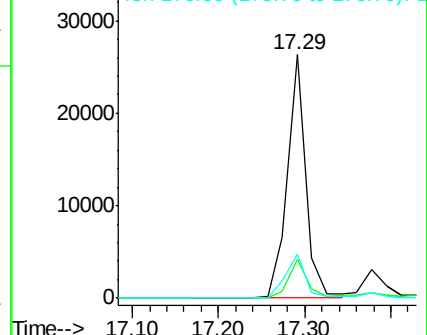
176 18.3 13.6 20.4

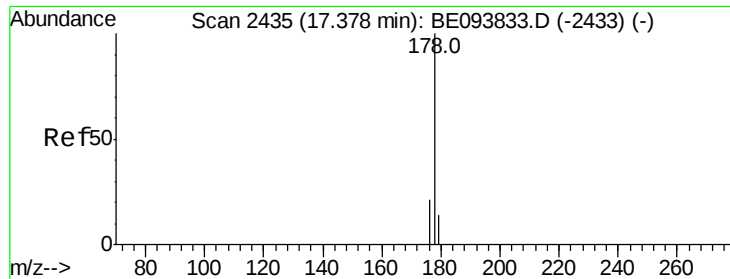


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.111 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

Instrument :

BNA_E

ClientSampleId :

C0AH1DL

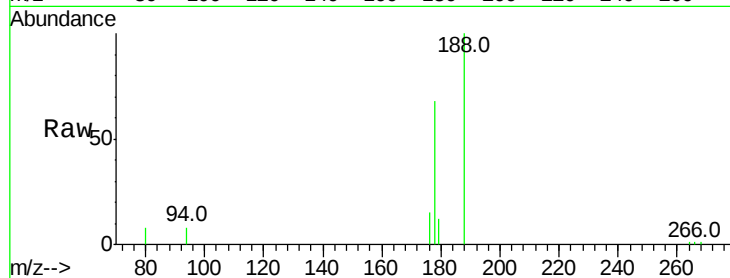
Tot Ion:178 Resp: 5366

Ion Ratio Lower Upper

178 100

179 17.6 18.1 27.1#

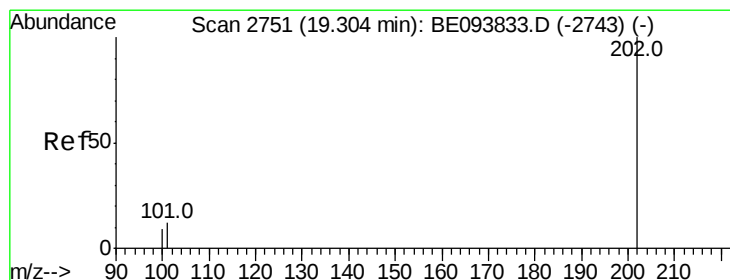
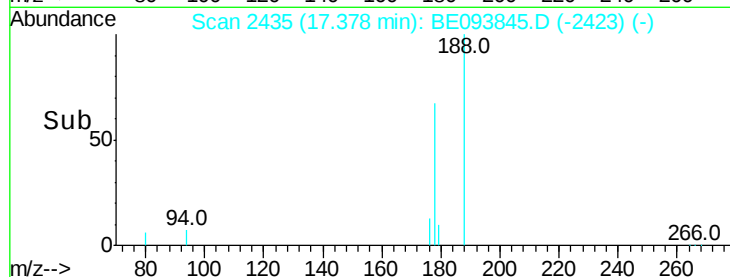
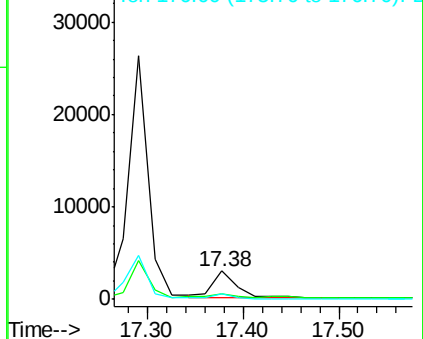
176 21.4 14.7 22.1



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: 1.061 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. -0.00 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

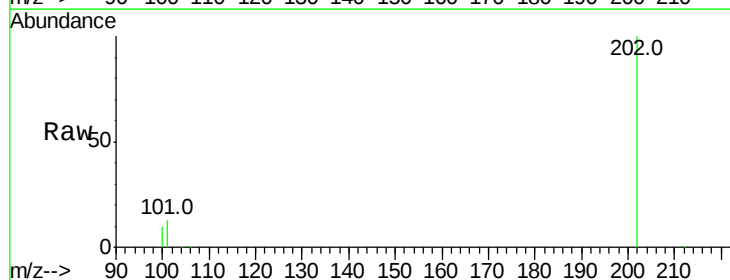
Tgt Ion:202 Resp: 65633

Ion Ratio Lower Upper

202 100

101 12.8 0.0 30.3

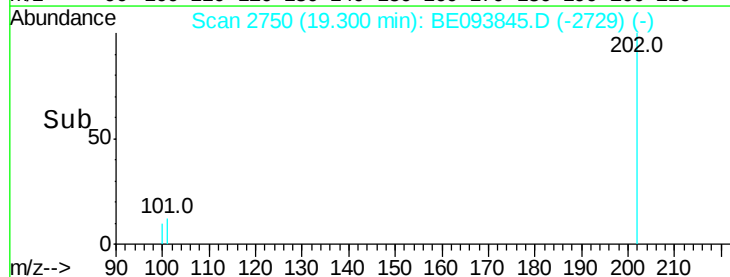
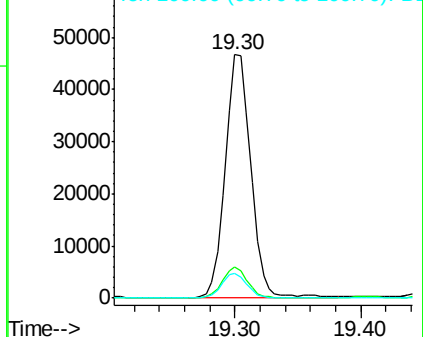
100 10.1 0.0 39.5

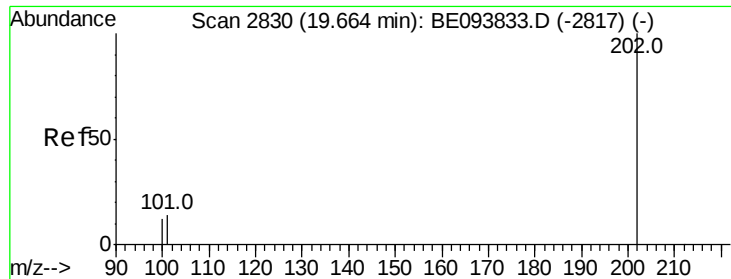


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 1.048 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

Instrument :

BNA_E

ClientSampleId :

C0AH1DL

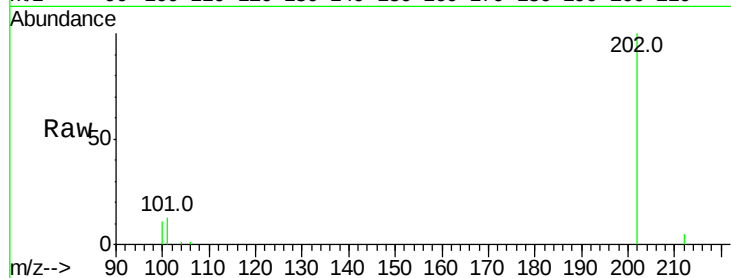
Tot Ion:202 Resp: 60767

Ion Ratio Lower Upper

202 100

101 13.1 18.2 27.4#

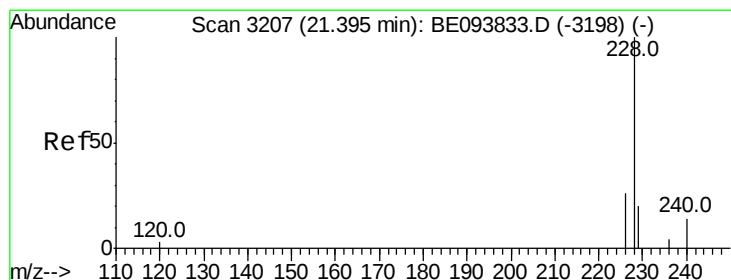
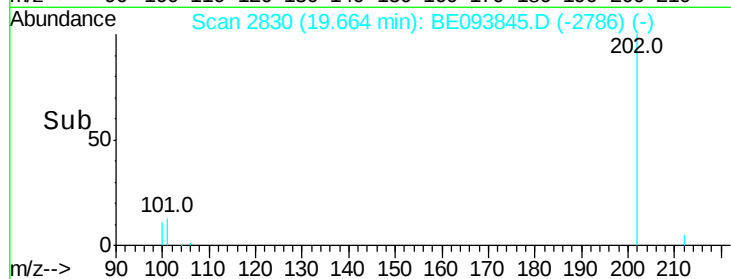
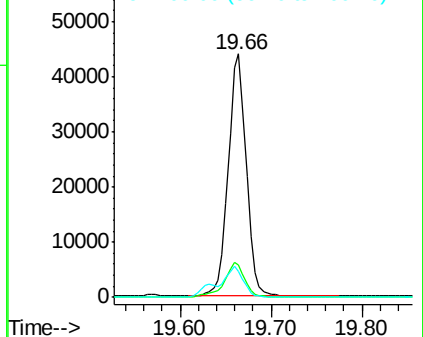
100 10.9 15.6 23.4#



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: 0.522 ng/ul

RT: 21.39 min Scan# 3205

Delta R.T. -0.01 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

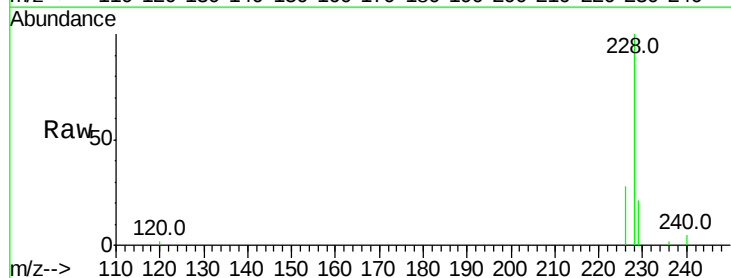
Tgt Ion:228 Resp: 30081

Ion Ratio Lower Upper

228 100

229 20.8 22.8 34.2#

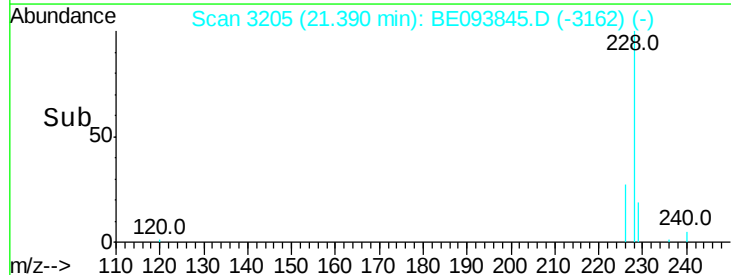
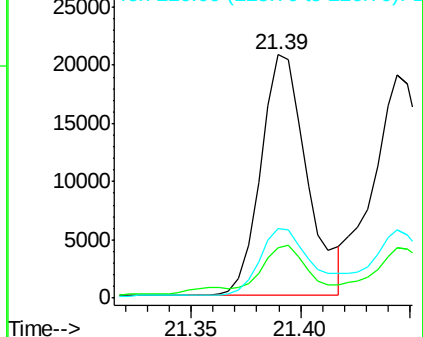
226 28.3 17.0 25.6#

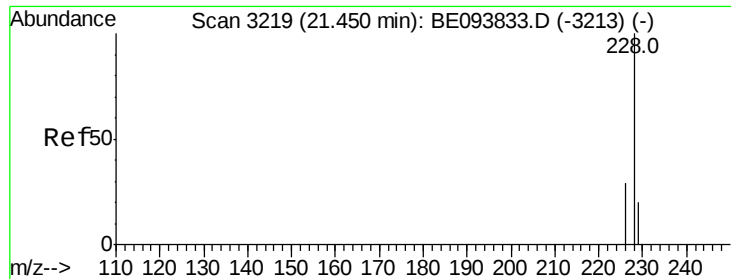


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.573 ng/ul

RT: 21.44 min Scan# 3217

Delta R.T. -0.01 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

Instrument :

BNA_E

ClientSampled :

C0AH1DL

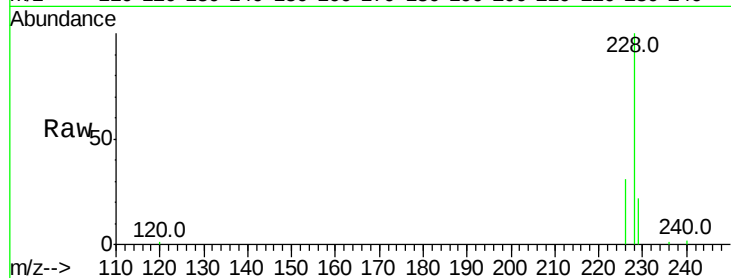
Tot Ion:228 Resp: 31649

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

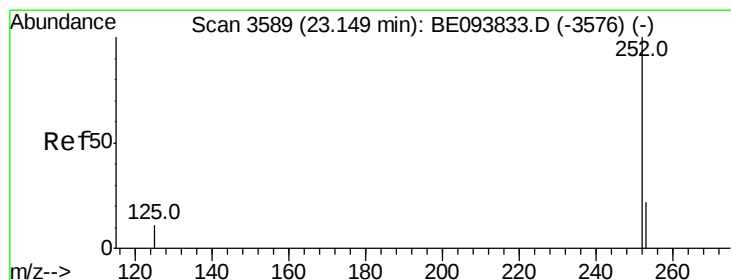
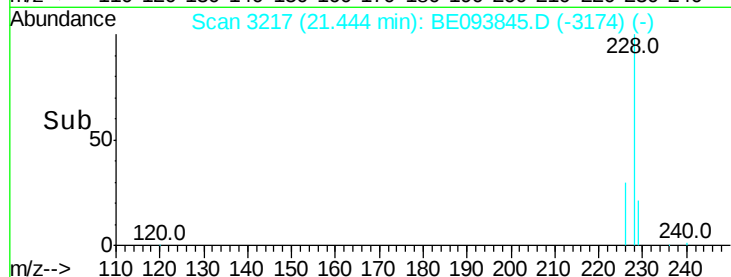
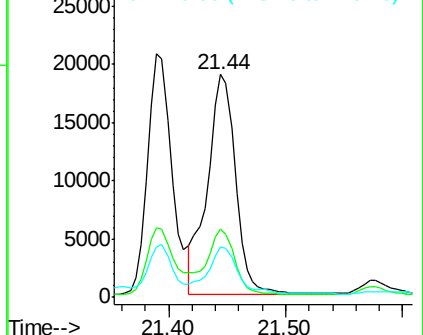
229 22.4 17.7 26.5



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: 0.858 ng/ul

RT: 23.14 min Scan# 3587

Delta R.T. -0.00 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

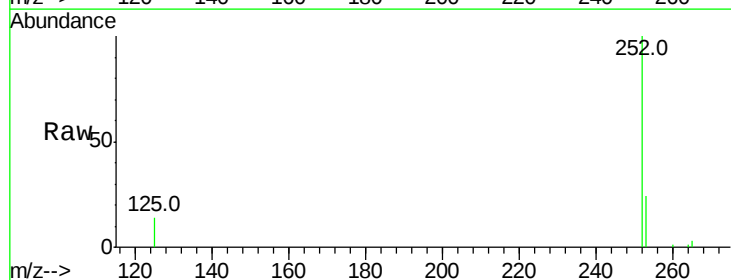
Tgt Ion:252 Resp: 52695

Ion Ratio Lower Upper

252 100

253 24.1 0.0 64.2

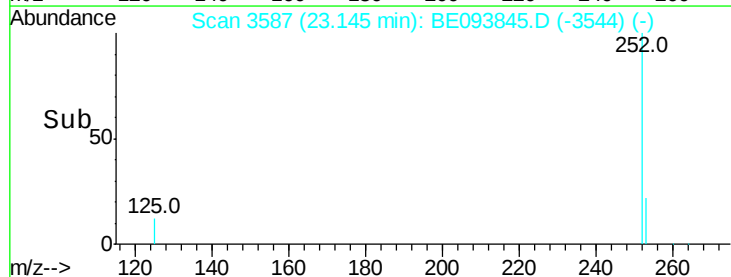
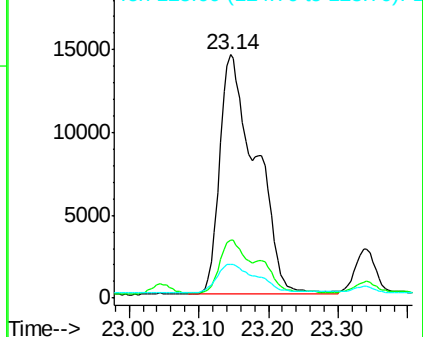
125 14.1 0.0 35.0

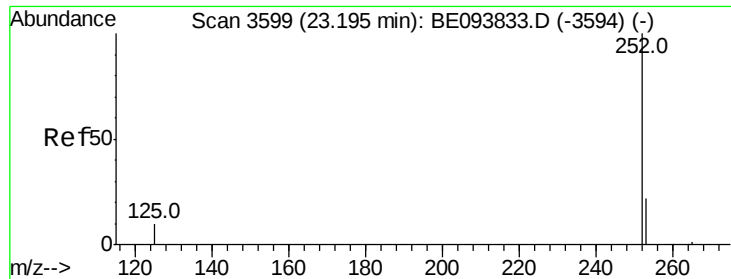


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.870 ng/ul

RT: 23.14 min Scan# 3587

Delta R.T. -0.05 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

Instrument :

BNA_E

ClientSampleId :

C0AH1DL

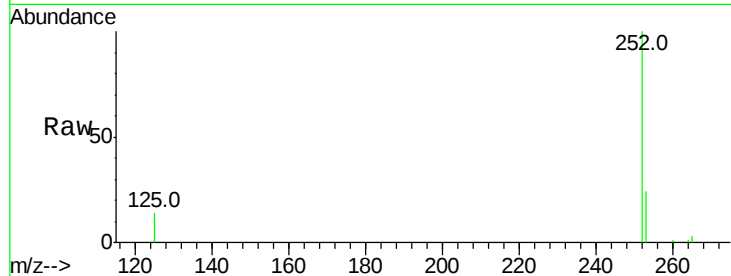
Tot Ion:252 Resp: 52695

Ion Ratio Lower Upper

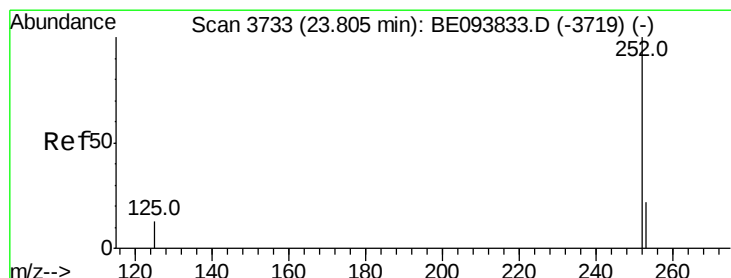
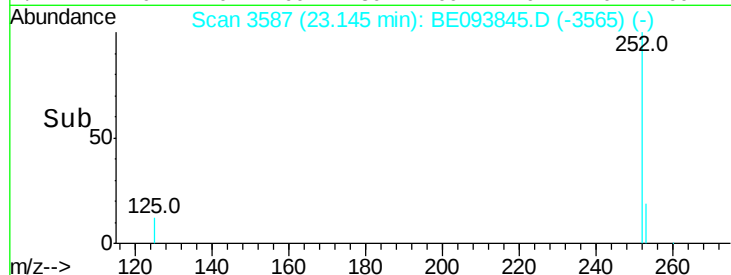
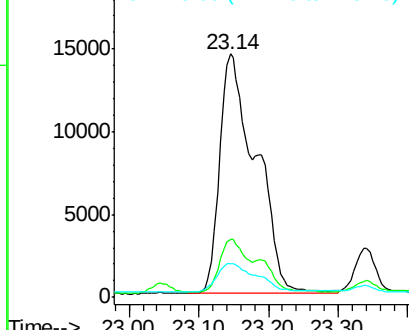
252 100

253 24.1 24.5 36.7#

125 14.1 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: 0.445 ng/ul

RT: 23.80 min Scan# 3730

Delta R.T. -0.01 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

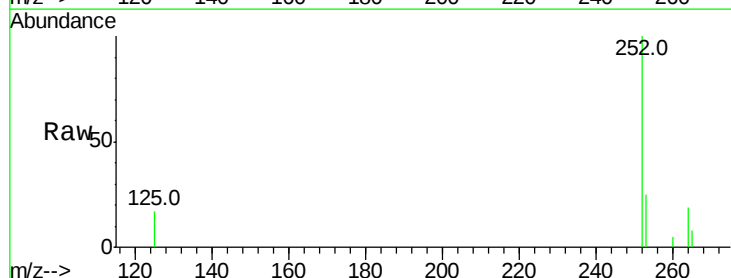
Tgt Ion:252 Resp: 26002

Ion Ratio Lower Upper

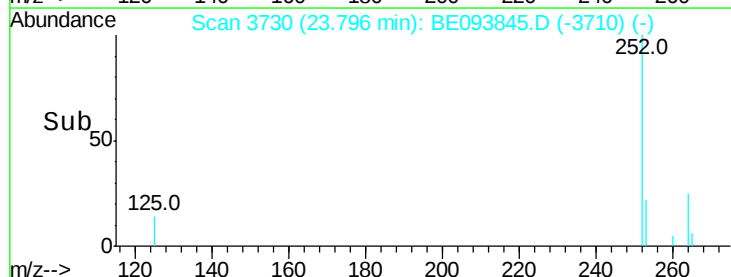
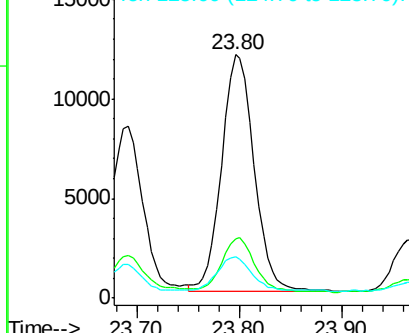
252 100

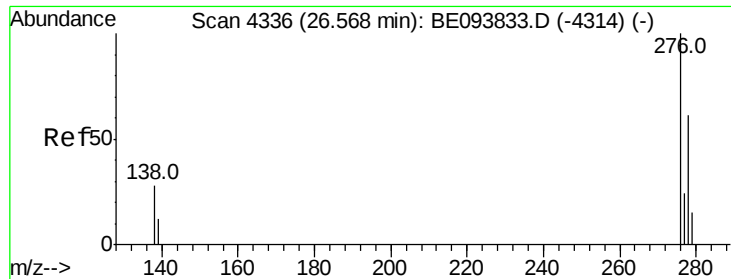
253 24.6 28.5 42.7#

125 17.0 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



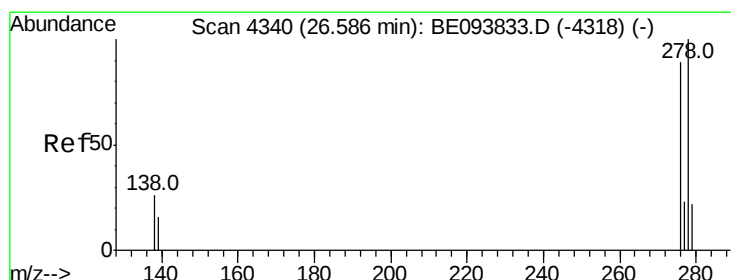
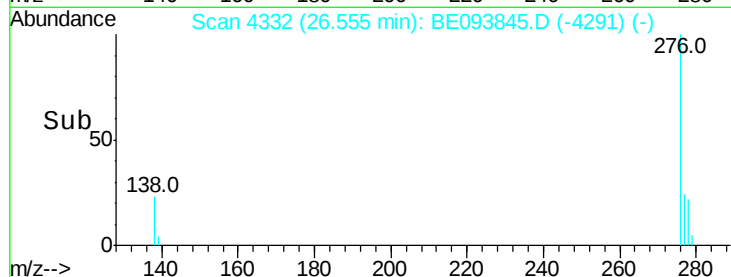
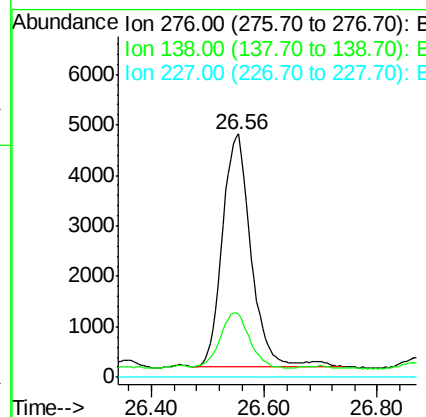
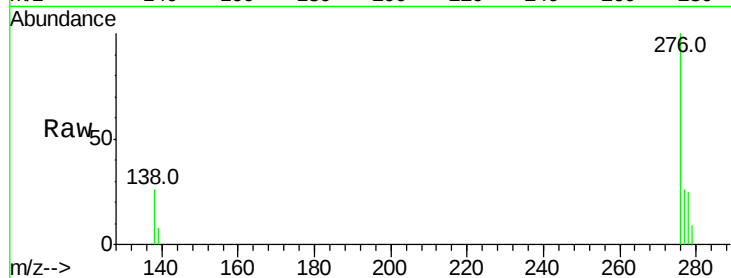


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.252 ng/ul
RT: 26.56 min Scan# 4332
Delta R.T. -0.01 min
Lab File: BE093845.D
Acq: 16 Aug 2017 18:10

Instrument :
BNA_E
ClientSampleId :
C0AH1DL

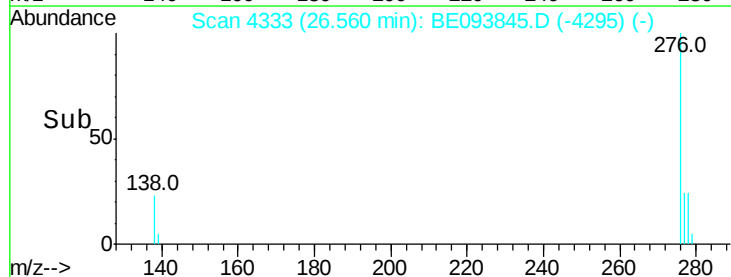
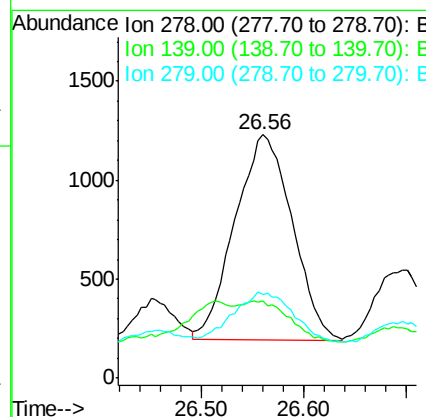
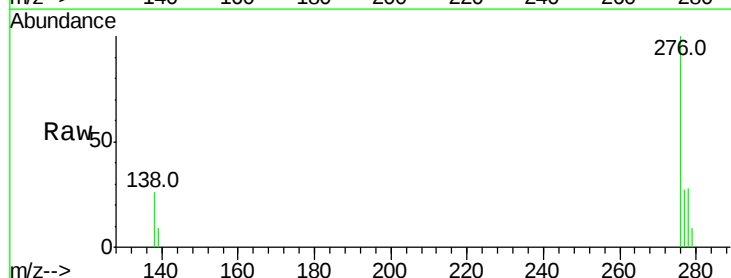
Tot Ion:276 Resp: 16231
Ion Ratio Lower Upper
276 100
138 24.9 28.0 42.0#
227 0.0 8.0 12.0#

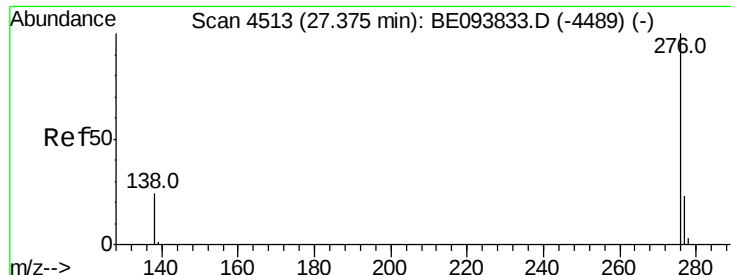


#25

Dibenzo(a,h)anthracene
Concen: 0.075 ng/ul
RT: 26.56 min Scan# 4333
Delta R.T. -0.03 min
Lab File: BE093845.D
Acq: 16 Aug 2017 18:10

Tgt Ion:278 Resp: 4034
Ion Ratio Lower Upper
278 100
139 31.7 17.4 26.0#
279 34.1 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.248 ng/ul

RT: 27.37 min Scan# 4510

Delta R.T. -0.01 min

Lab File: BE093845.D

Acq: 16 Aug 2017 18:10

Instrument :

BNA_E

ClientSampleId :

C0AH1DL

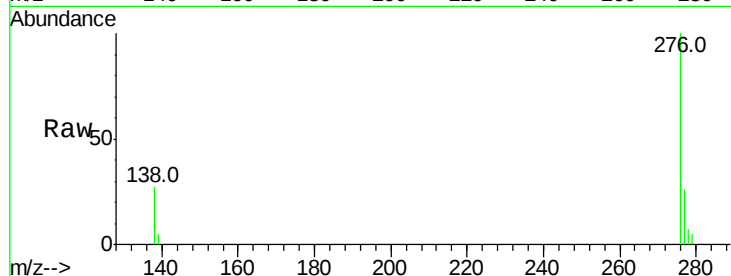
Tot Ion:276 Resp: 13495

Ion Ratio Lower Upper

276 100

138 26.7 21.8 32.8

277 25.6 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

