

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093835.D
 Acq On : 16 Aug 2017 11:39
 Operator : SJ/JU
 Sample : I4672-11DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AJ1DL

Quant Time: Aug 17 00:58:39 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	2126	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	11352	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	6590	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	14011	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	14810	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	16481	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	1543	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	3749	0.08	ng/ul	0.00

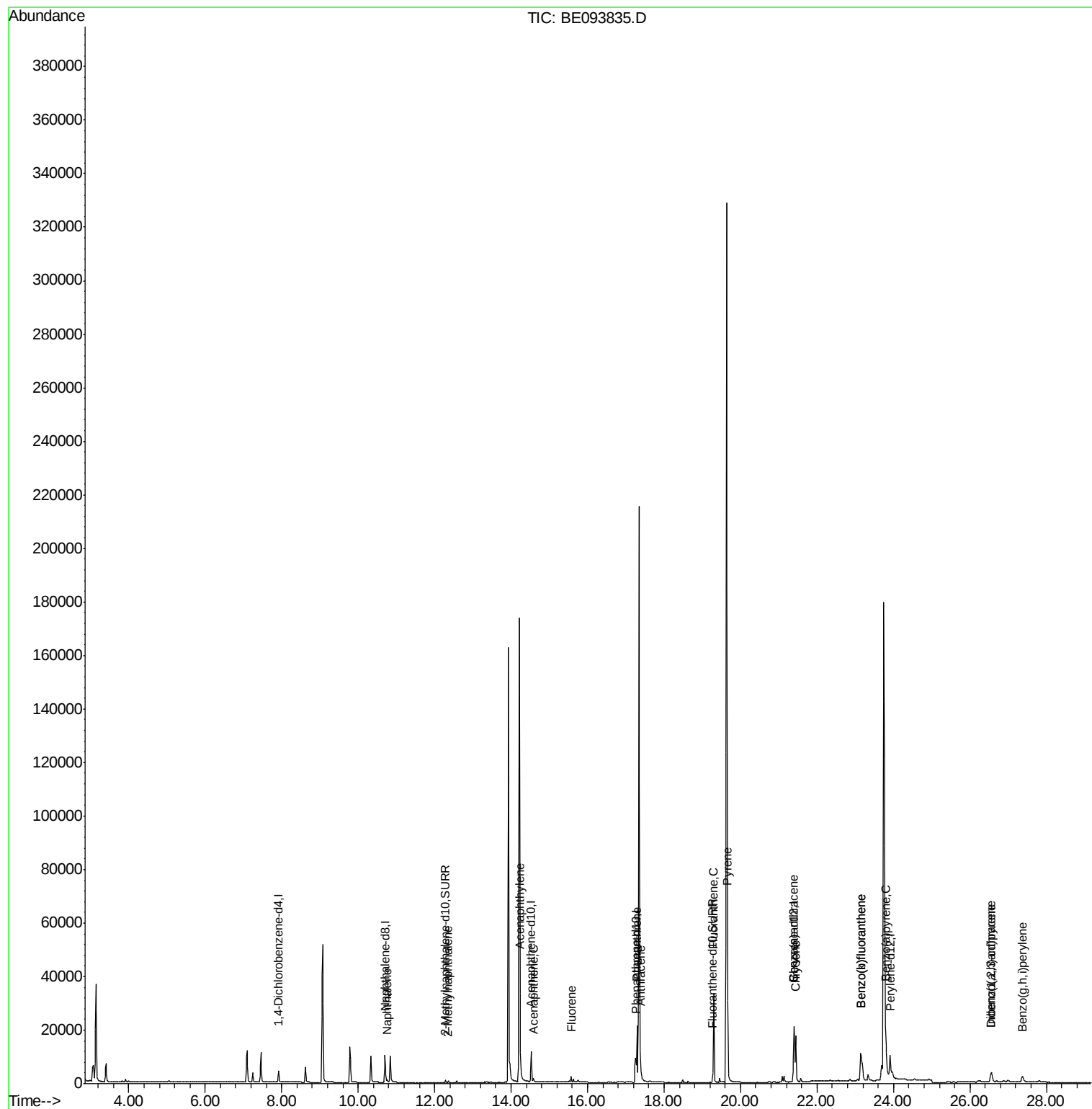
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	1592	0.058	ng/ul#	91
5) 2-Methylnaphthalene	12.36	142	807	0.040	ng/ul	98
7) Acenaphthylene	14.24	152	1431	0.052	ng/ul	92
8) Acenaphthene	14.58	153	722	0.033	ng/ul	94
9) Fluorene	15.57	166	1323	0.048	ng/ul	93
12) Phenanthrene	17.29	178	23600	0.618	ng/ul#	90
13) Anthracene	17.38	178	4911	0.132	ng/ul#	92
15) Fluoranthene	19.30	202	37971	0.796	ng/ul	84
17) Pyrene	19.66	202	35187	0.814	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	17263	0.402	ng/ul#	86
19) Chrysene	21.44	228	18064	0.439	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	29467	0.578	ng/ul	89
22) Benzo(k)fluoranthene	23.14	252	29467	0.586	ng/ul	90
23) Benzo(a)pyrene	23.80	252	15300	0.316	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.56	276	8215	0.153	ng/ul#	81
25) Dibenzo(a,h)anthracene	26.56	278	1790	0.040	ng/ul#	83
26) Benzo(a,h,i)perylene	27.38	276	6241	0.138	ng/ul	97

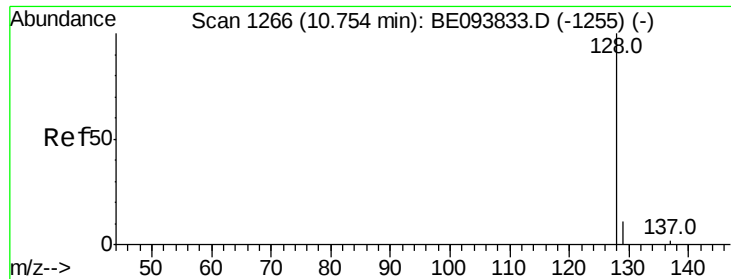
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.058 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

Instrument :

BNA_E

ClientSampleId :

C0AJ1DL

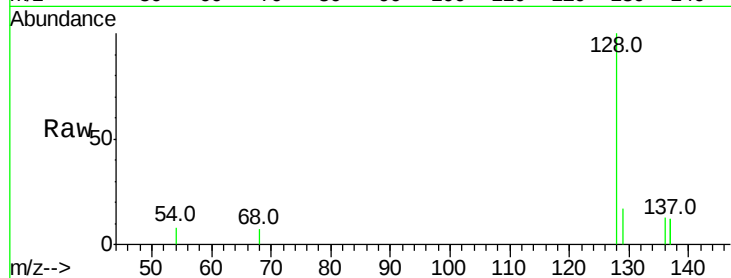
Tot Ion:128 Resp: 1592

Ion Ratio Lower Upper

128 100

129 16.8 11.3 16.9

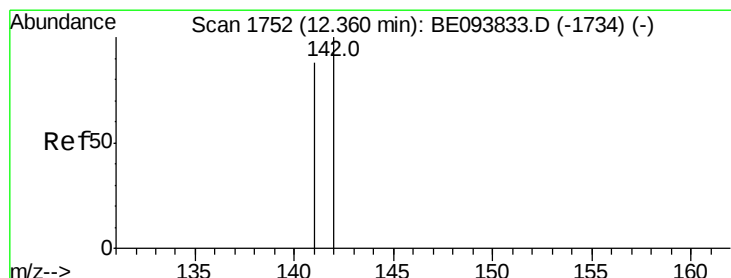
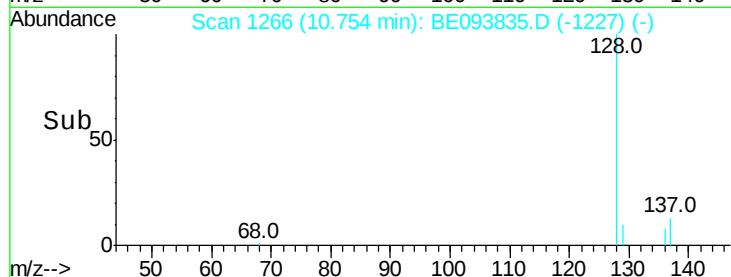
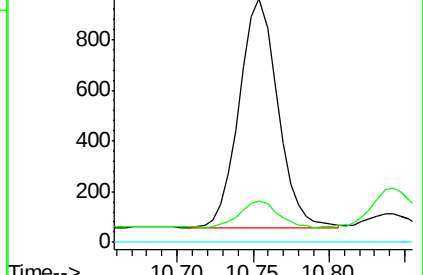
127 0.0 4.0 6.0#



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: 0.040 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE093835.D

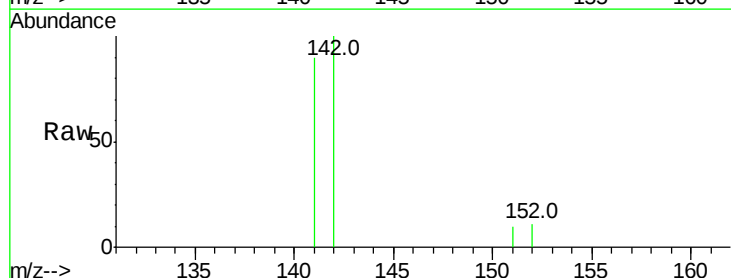
Acq: 16 Aug 2017 11:39

Tgt Ion:142 Resp: 807

Ion Ratio Lower Upper

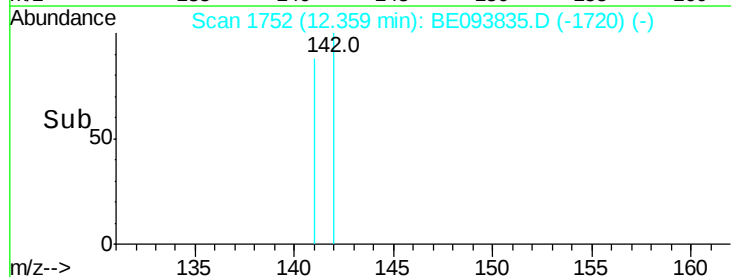
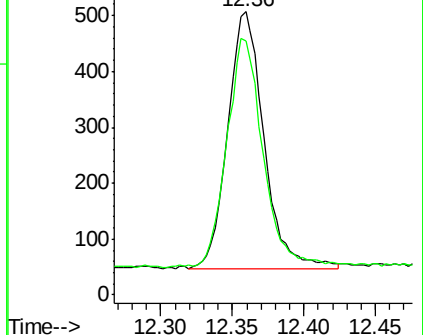
142 100

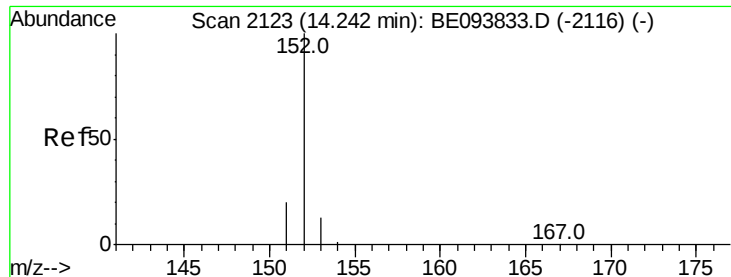
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.052 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

Instrument :

BNA_E

ClientSampleId :

C0AJ1DL

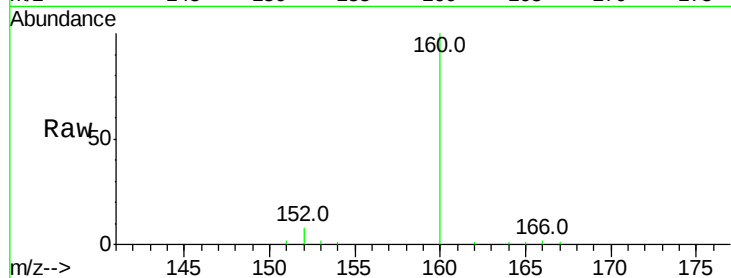
Tot Ion:152 Resp: 1431

Ion Ratio Lower Upper

152 100

151 25.7 17.1 25.7

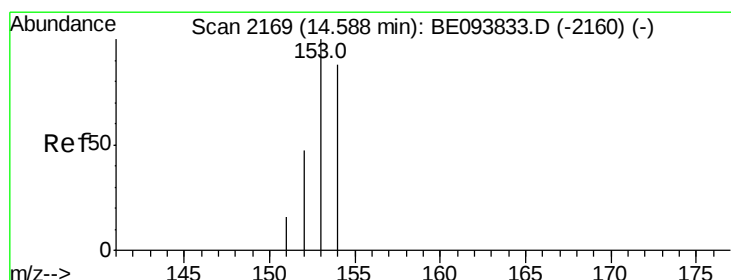
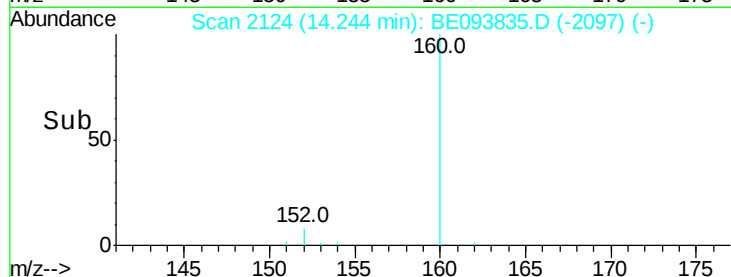
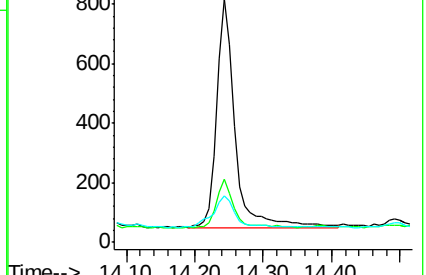
153 19.1 12.8 19.2



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: 0.033 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

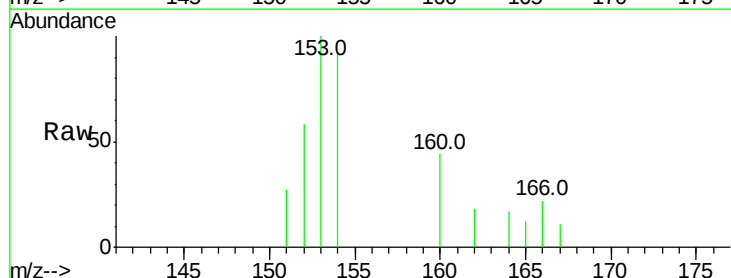
Tgt Ion:153 Resp: 722

Ion Ratio Lower Upper

153 100

152 58.0 40.3 60.5

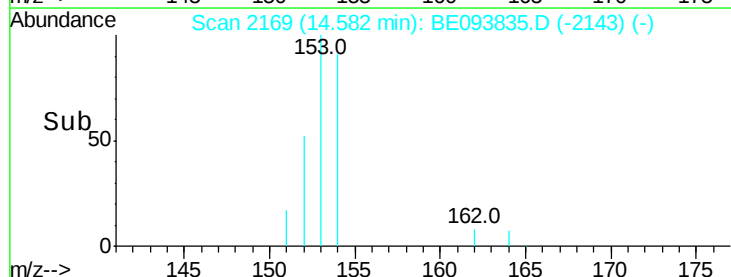
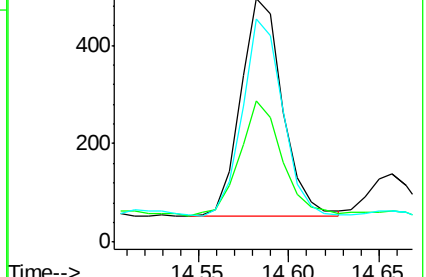
154 91.7 71.4 107.2

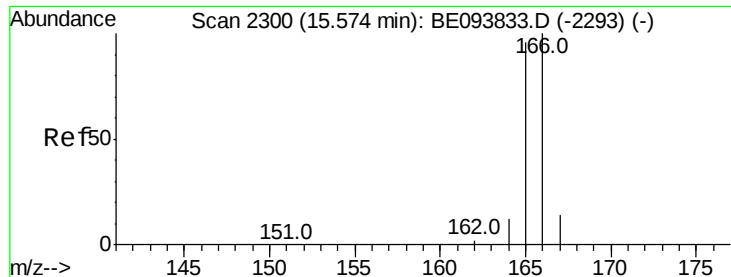


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.048 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

Instrument :

BNA_E

ClientSampleId :

C0AJ1DL

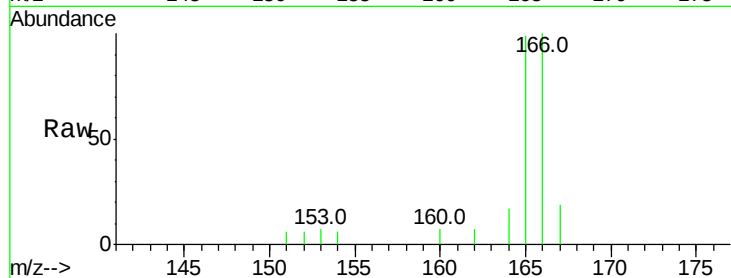
Tot Ion:166 Resp: 1323

Ion Ratio Lower Upper

166 100

165 99.5 73.4 110.2

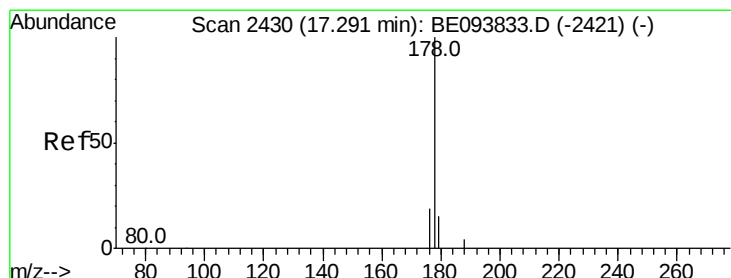
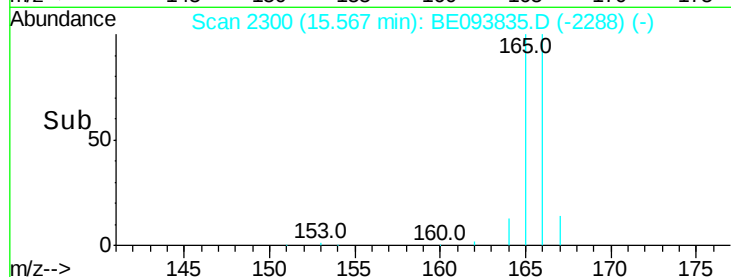
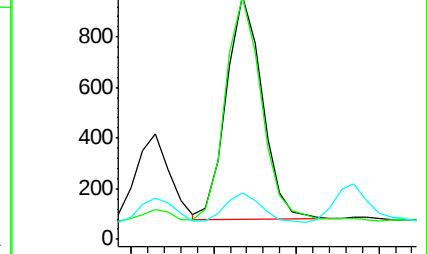
167 19.1 14.6 22.0



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: 0.618 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

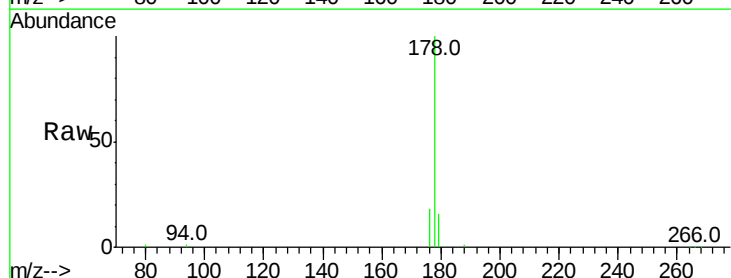
Tgt Ion:178 Resp: 23600

Ion Ratio Lower Upper

178 100

179 15.6 18.4 27.6#

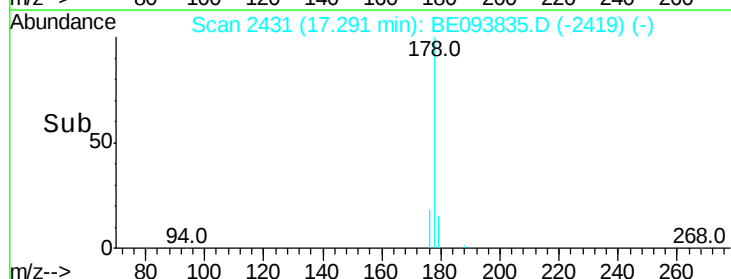
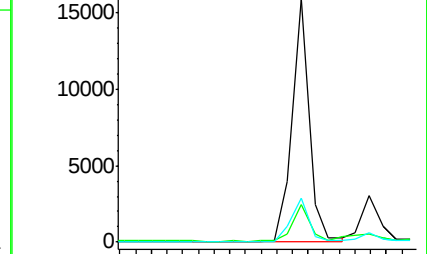
176 18.0 13.6 20.4

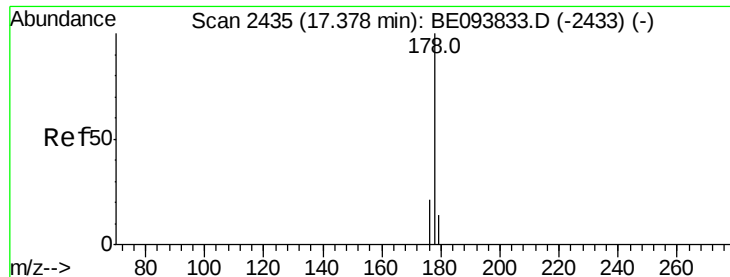


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.132 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

Instrument :

BNA_E

ClientSampleId :

C0AJ1DL

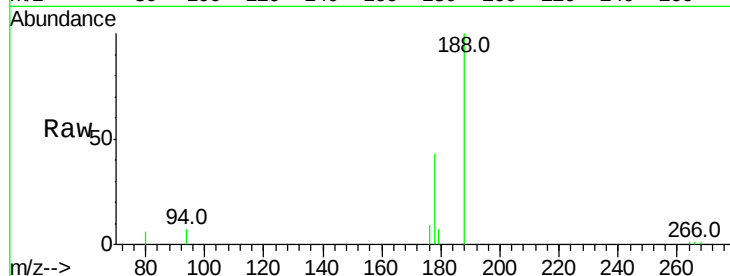
Tot Ion:178 Resp: 4911

Ion Ratio Lower Upper

178 100

179 17.2 18.1 27.1#

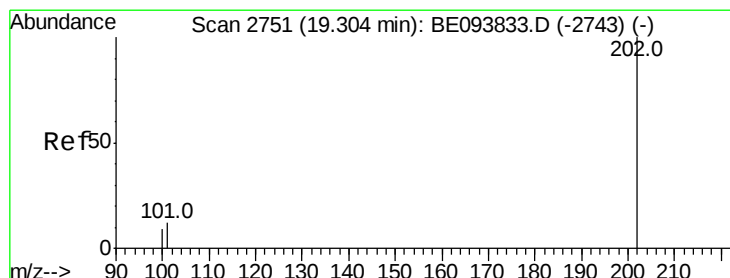
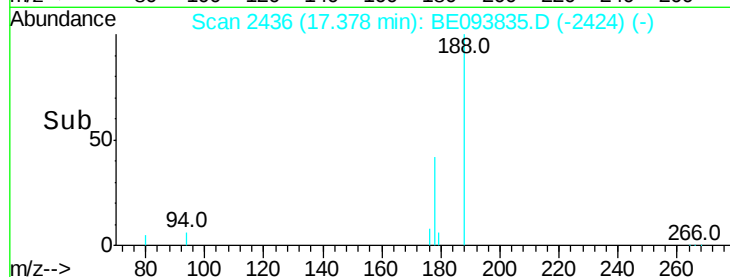
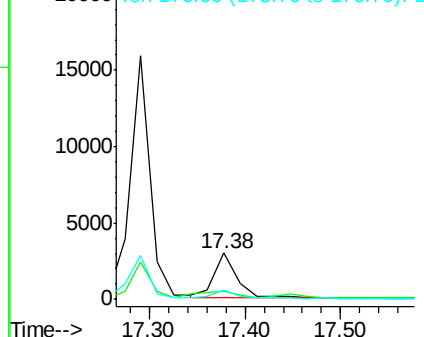
176 20.2 14.7 22.1



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: 0.796 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

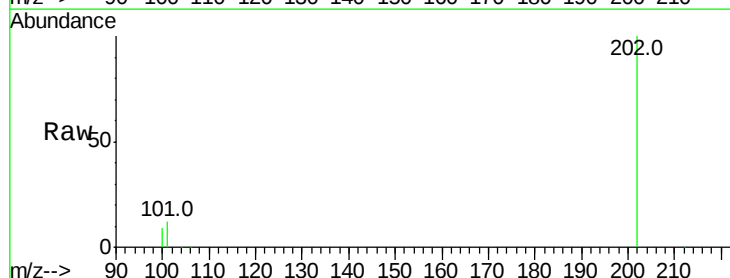
Tgt Ion:202 Resp: 37971

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

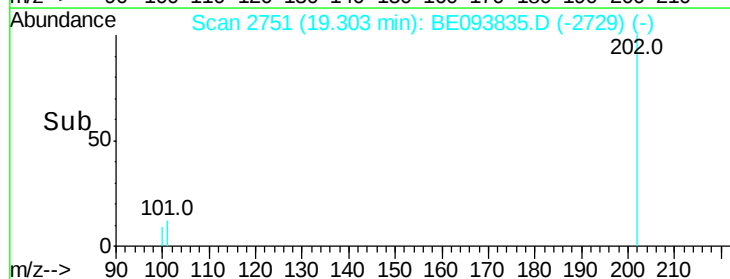
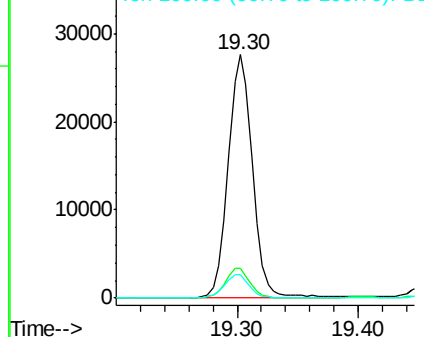
100 9.5 0.0 39.5

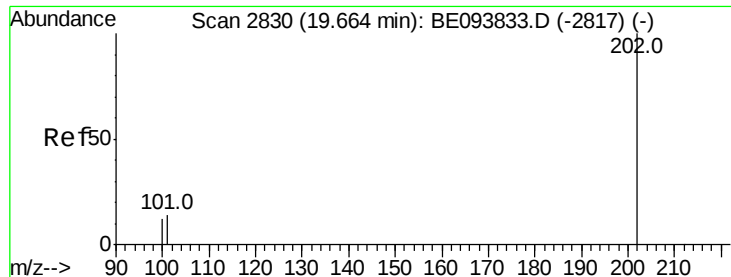


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.814 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

Instrument :

BNA_E

ClientSampleId :

C0AJ1DL

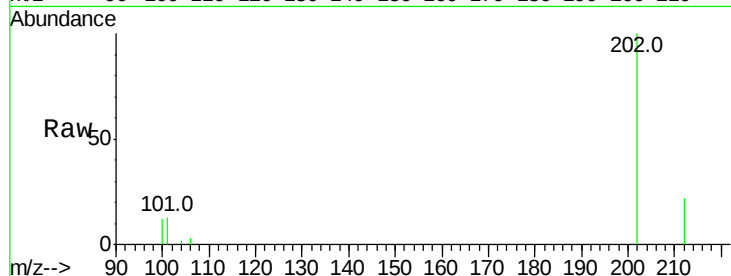
Tot Ion:202 Resp: 35187

Ion Ratio Lower Upper

202 100

101 13.5 18.2 27.4#

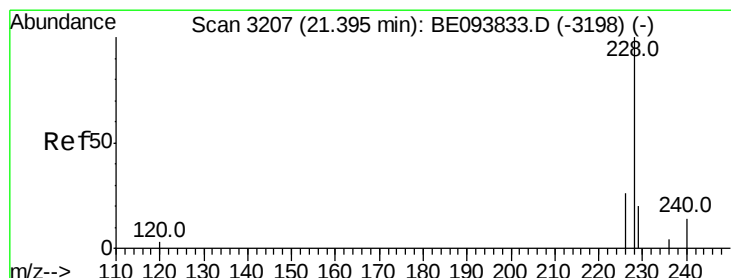
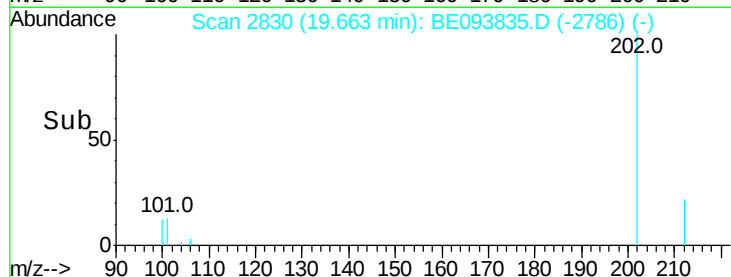
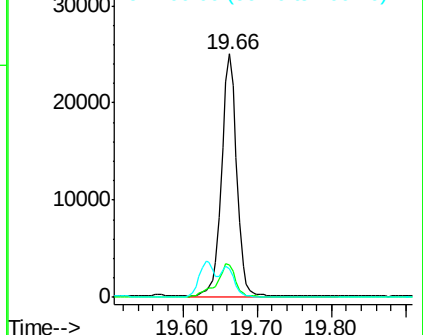
100 11.9 15.6 23.4#



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): BE



#18

Benzo(a)anthracene

Concen: 0.402 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

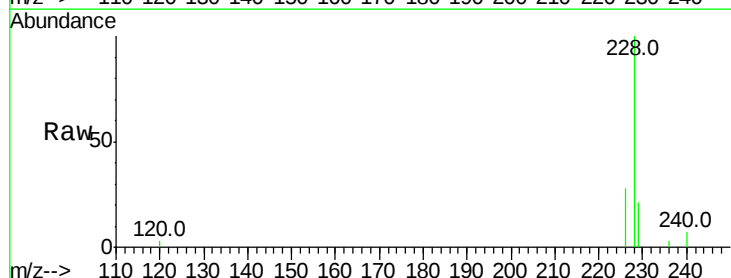
Tgt Ion:228 Resp: 17263

Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

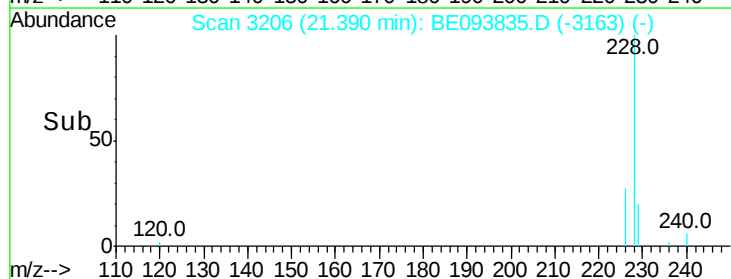
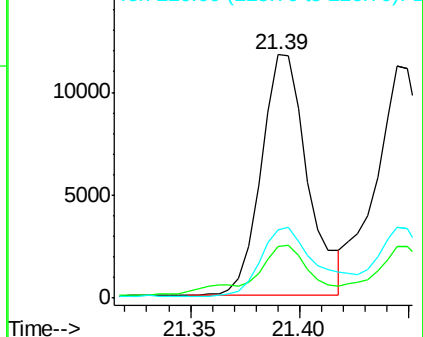
226 28.0 17.0 25.6#

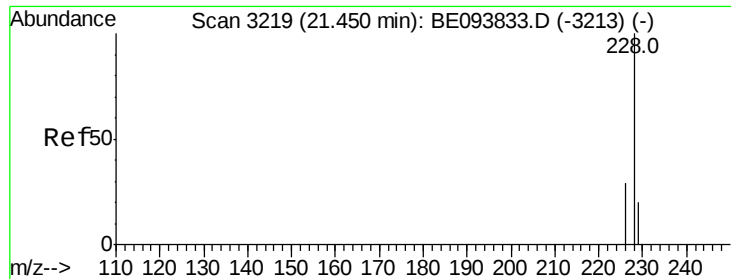


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.439 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

Instrument :

BNA_E

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C0AJ1DL

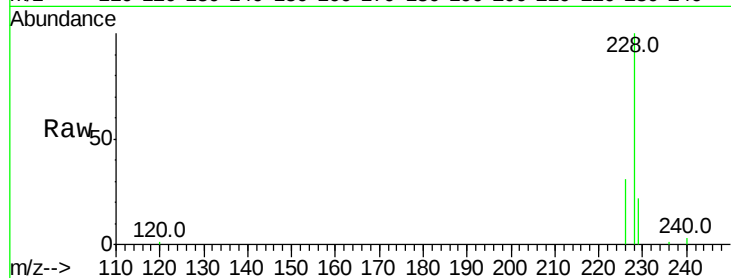
Tot Ion:228 Resp: 18064

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

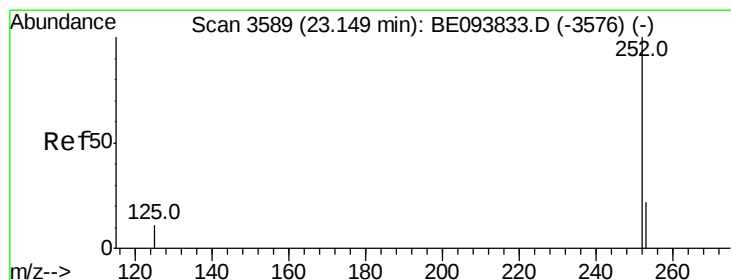
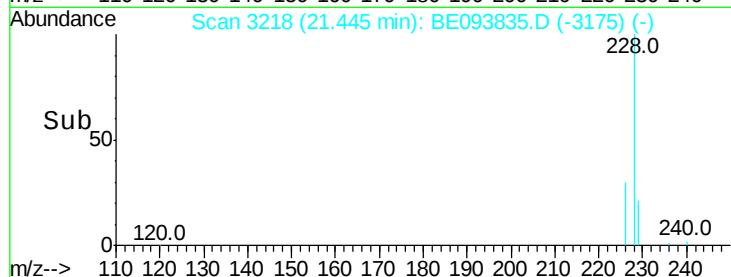
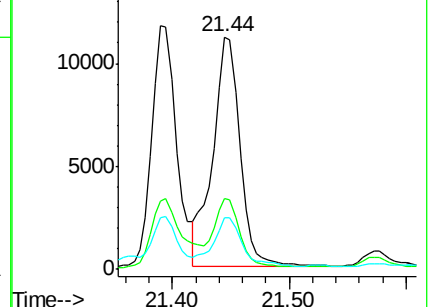
229 22.0 17.7 26.5



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: 0.578 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.01 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

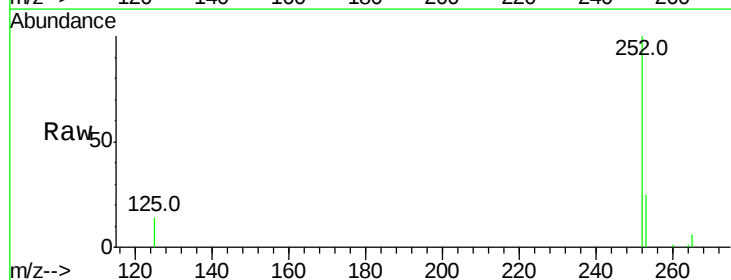
Tgt Ion:252 Resp: 29467

Ion Ratio Lower Upper

252 100

253 24.6 0.0 64.2

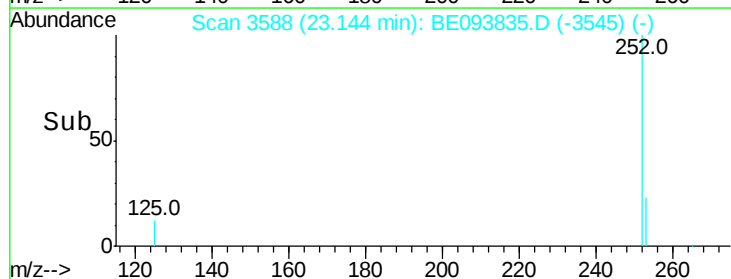
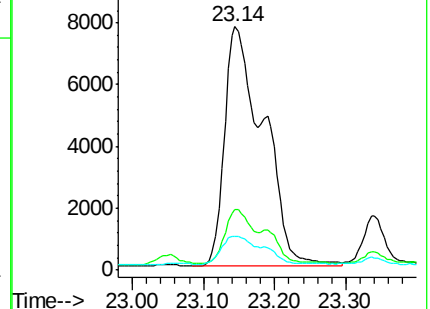
125 14.1 0.0 35.0

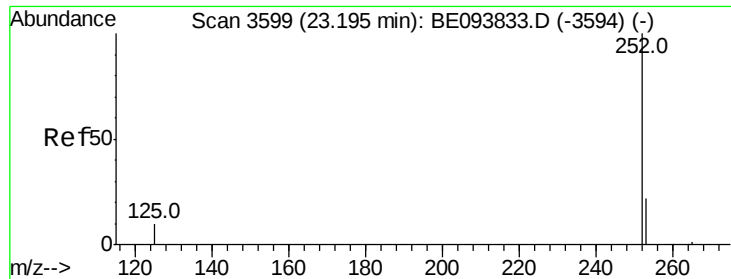


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.586 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.05 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

Instrument :

BNA_E

ClientSampleId :

C0AJ1DL

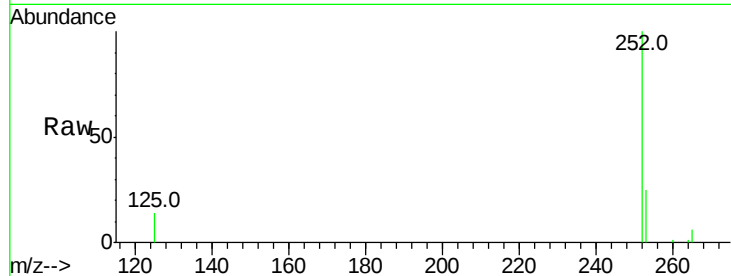
Tot Ion:252 Resp: 29467

Ion Ratio Lower Upper

252 100

253 24.6 24.5 36.7

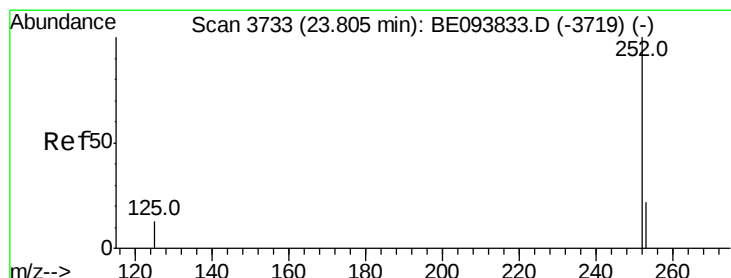
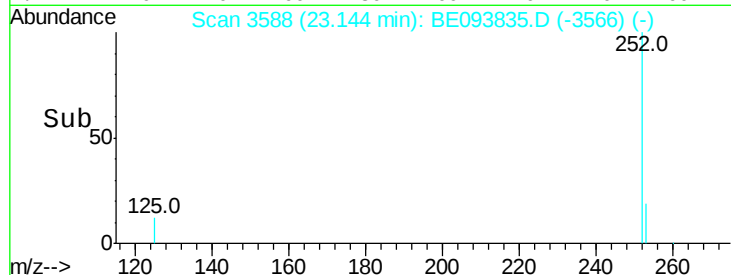
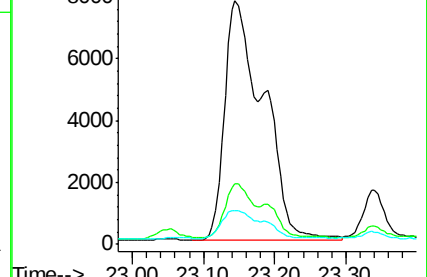
125 14.1 13.7 20.5



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: 0.316 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

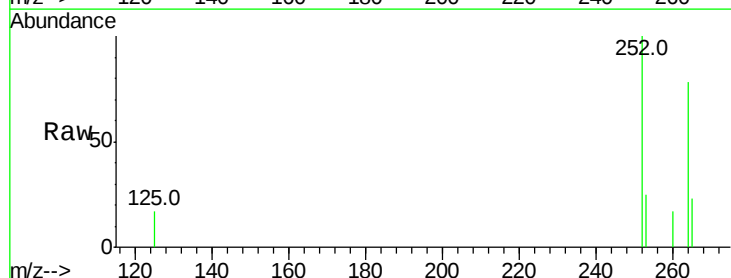
Tgt Ion:252 Resp: 15300

Ion Ratio Lower Upper

252 100

253 25.5 28.5 42.7#

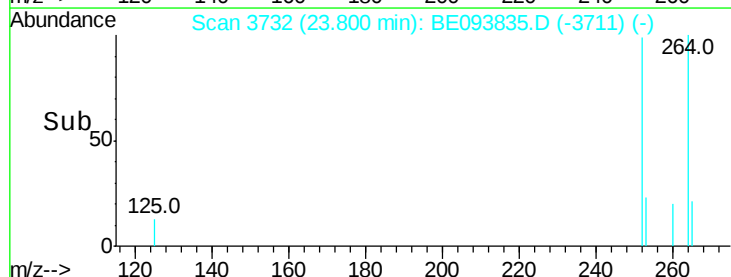
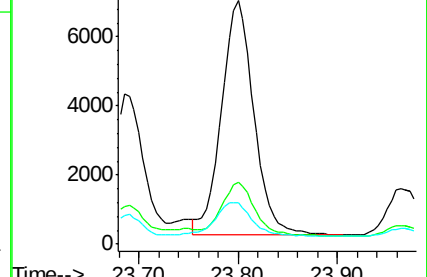
125 16.8 18.1 27.1#

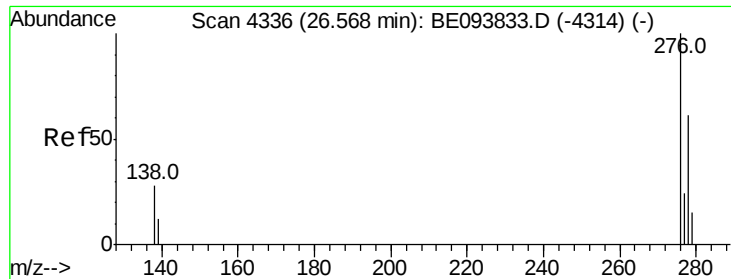


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



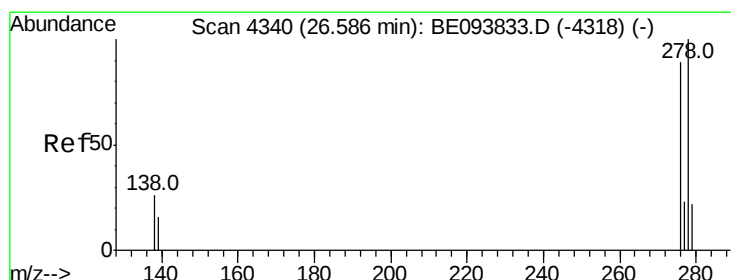
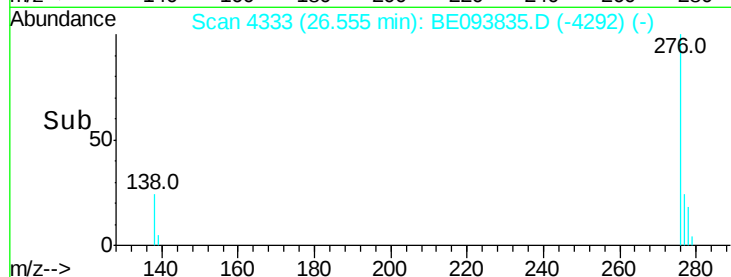
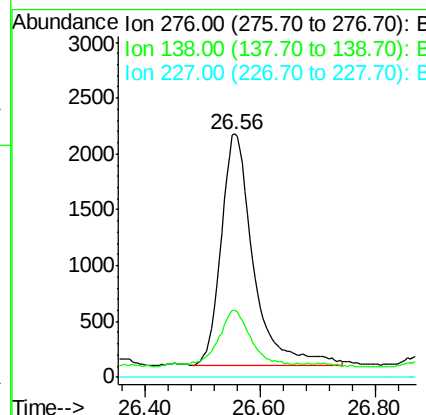
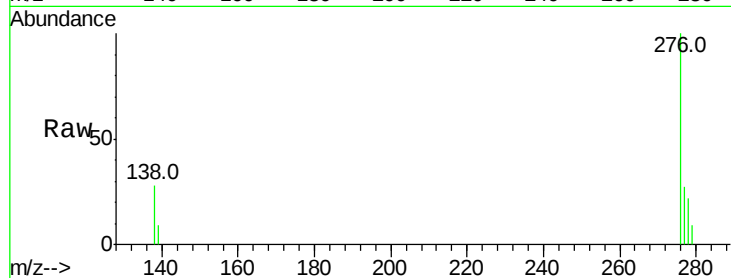


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.153 ng/ul
RT: 26.56 min Scan# 4333
Delta R.T. -0.01 min
Lab File: BE093835.D
Acq: 16 Aug 2017 11:39

Instrument :
BNA_E
ClientSampleId :
C0AJ1DL

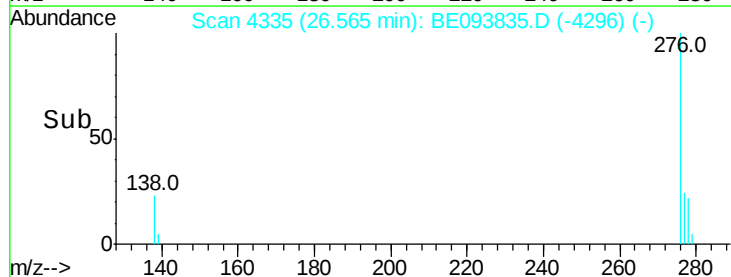
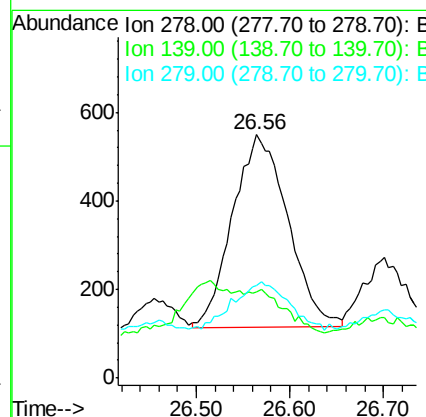
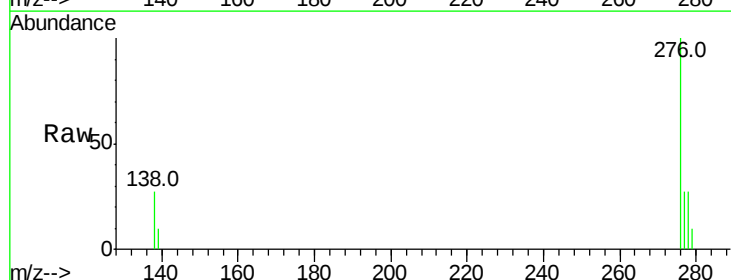
Tot Ion:276 Resp: 8215
Ion Ratio Lower Upper
276 100
138 25.2 28.0 42.0#
227 0.0 8.0 12.0#

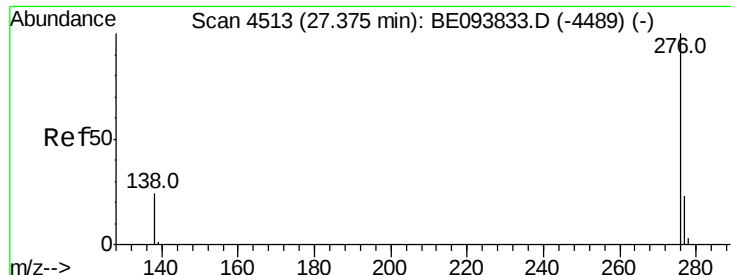


#25

Dibenzo(a,h)anthracene
Concen: 0.040 ng/ul
RT: 26.56 min Scan# 4335
Delta R.T. -0.02 min
Lab File: BE093835.D
Acq: 16 Aug 2017 11:39

Tgt Ion:278 Resp: 1790
Ion Ratio Lower Upper
278 100
139 35.3 17.4 26.0#
279 37.8 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.138 ng/ul

RT: 27.38 min Scan# 4513

Delta R.T. 0.00 min

Lab File: BE093835.D

Acq: 16 Aug 2017 11:39

Instrument :

BNA_E

ClientSampleId :

C0AJ1DL

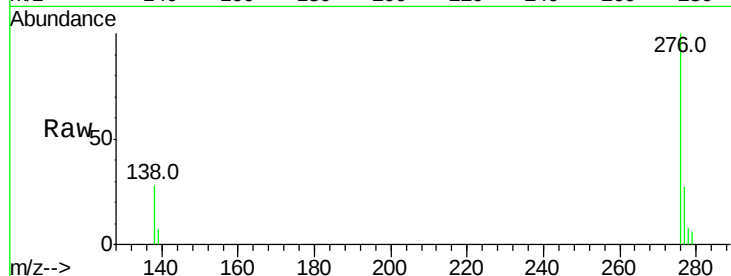
Tot Ion:276 Resp: 6241

Ion Ratio Lower Upper

276 100

138 28.1 21.8 32.8

277 27.4 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

