

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081517\
 Data File : BE093823.D
 Acq On : 16 Aug 2017 00:45
 Operator : SJ/JU
 Sample : I4672-22
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AH3

Quant Time: Aug 16 07:38:05 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 16 07:30:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2486	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	13549	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	8264	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	17622	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	18067	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	22978	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3670	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	9307	0.17	ng/ul	0.00

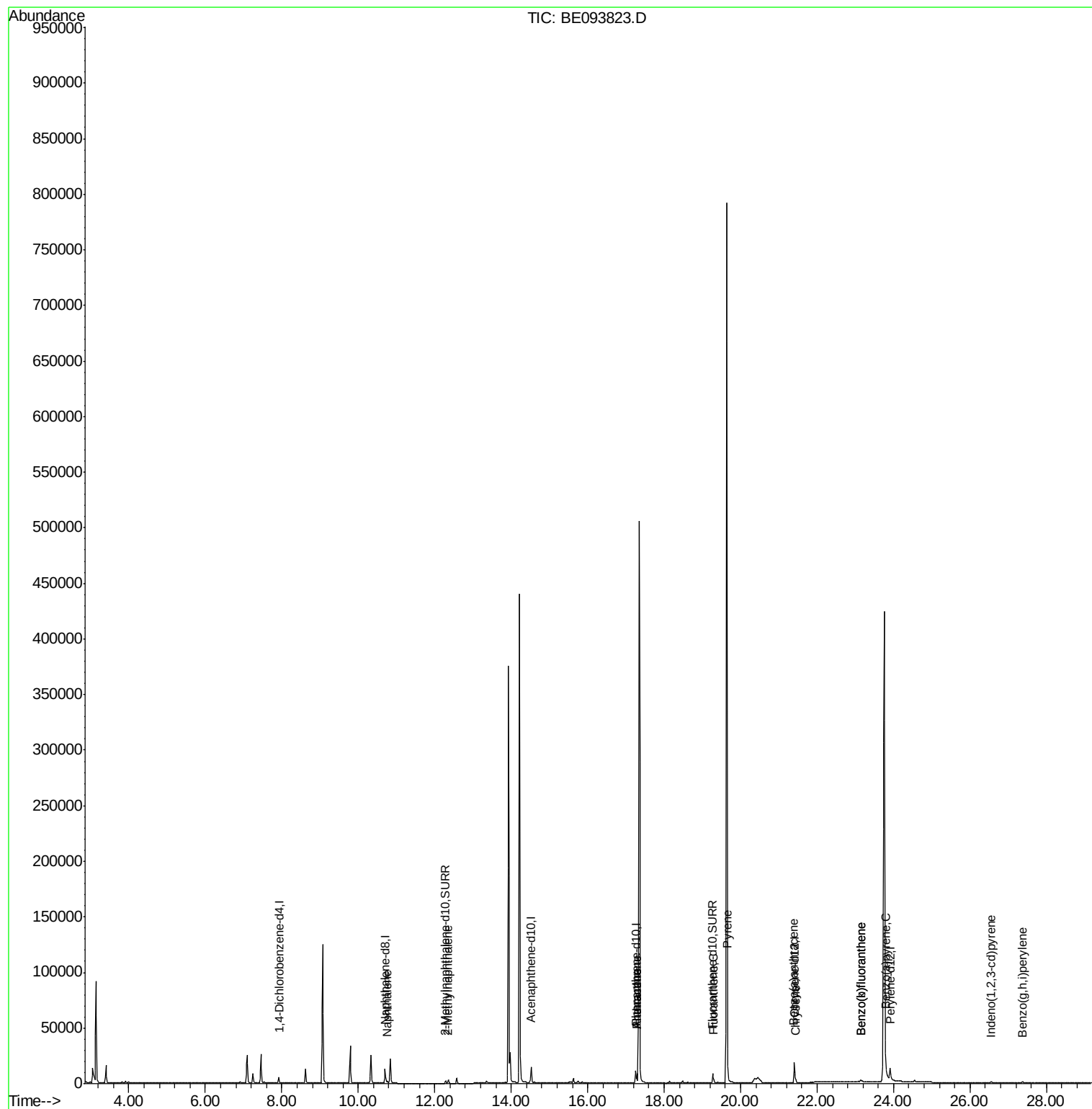
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	2389	0.072	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	2937	0.122	ng/ul	98
12) Phenanthrene	17.29	178	9873	0.206	ng/ul#	91
13) Anthracene	17.29	178	9952	0.213	ng/ul#	93
15) Fluoranthene	19.30	202	3209	0.053	ng/ul	85
17) Pyrene	19.66	202	5002	0.095	ng/ul#	91
18) Benzo(a)anthracene	21.39	228	1818	0.035	ng/ul#	85
19) Chrysene	21.45	228	3397	0.068	ng/ul#	88
21) Benzo(b)fluoranthene	23.14	252	4354	0.061	ng/ul#	69
22) Benzo(k)fluoranthene	23.14	252	4328	0.062	ng/ul#	66
23) Benzo(a)pyrene	23.80	252	1863	0.028	ng/ul#	56
24) Indeno(1,2,3-cd)pyrene	26.56	276	1516	0.020	ng/ul#	75
26) Benzo(g,h,i)perylene	27.37	276	2282	0.036	ng/ul#	82

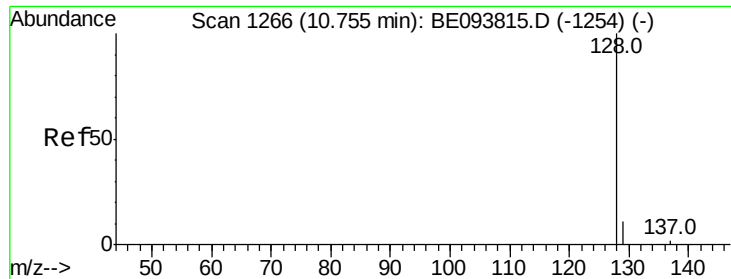
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.072 ng/ul

RT: 10.76 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

Instrument :

BNA_E

ClientSampleId :

C0AH3

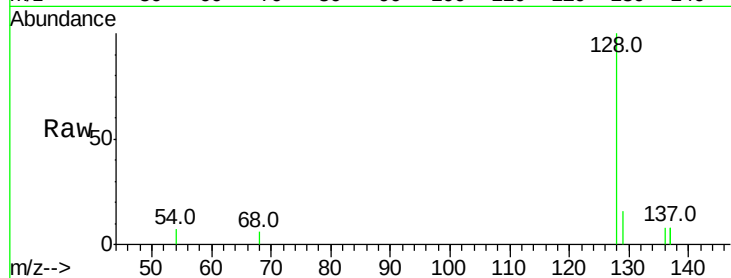
Tot Ion:128 Resp: 2389

Ion Ratio Lower Upper

128 100

129 16.1 11.3 16.9

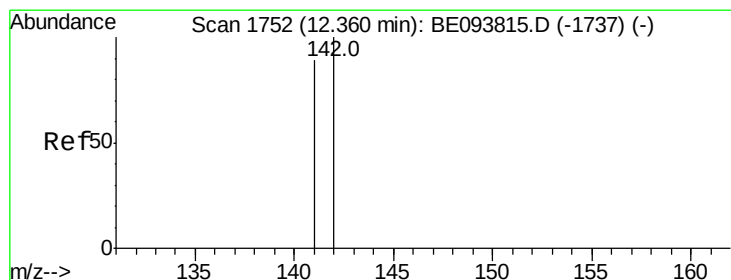
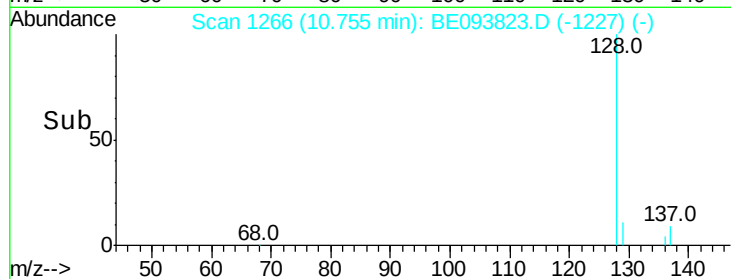
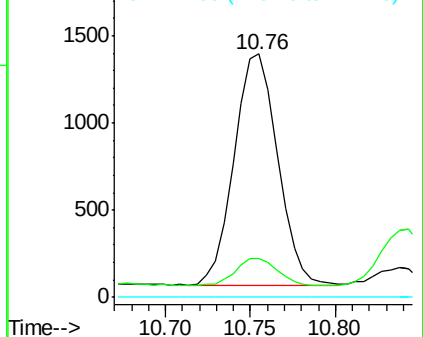
127 0.0 4.0 6.0#



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: 0.122 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093823.D

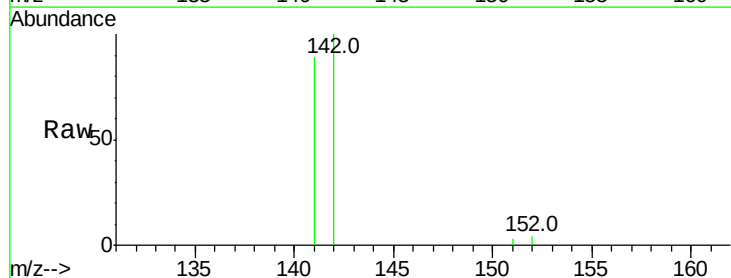
Acq: 16 Aug 2017 00:45

Tgt Ion:142 Resp: 2937

Ion Ratio Lower Upper

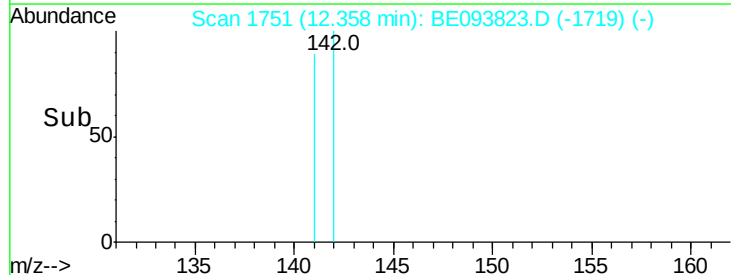
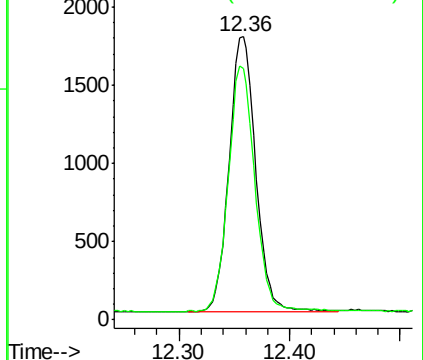
142 100

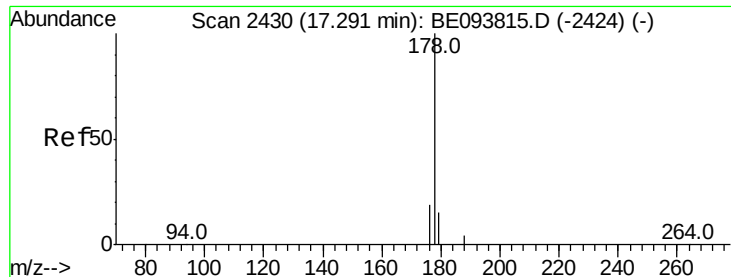
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#12

Phenanthrene

Concen: 0.206 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

Instrument :

BNA_E

ClientSampleId :

C0AH3

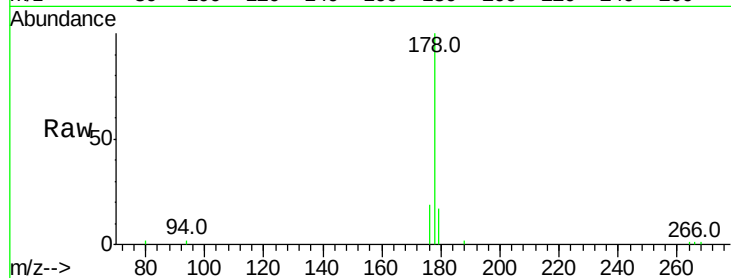
Tot Ion:178 Resp: 9873

Ion Ratio Lower Upper

178 100

179 17.0 18.4 27.6#

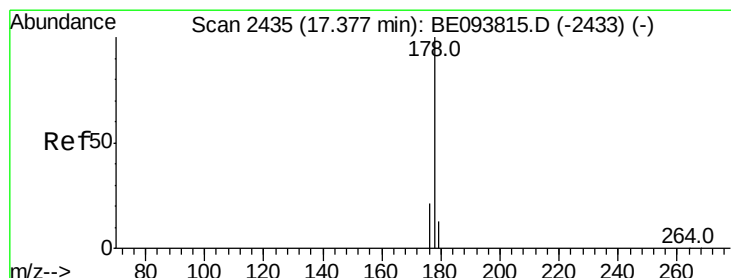
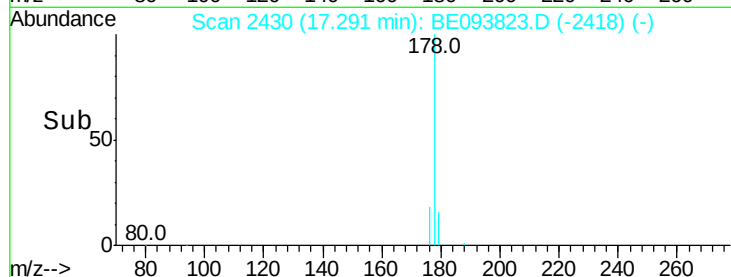
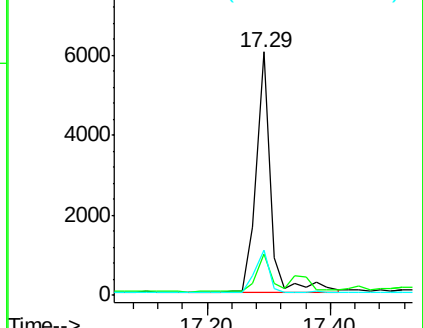
176 18.8 13.6 20.4



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: 0.213 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.09 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

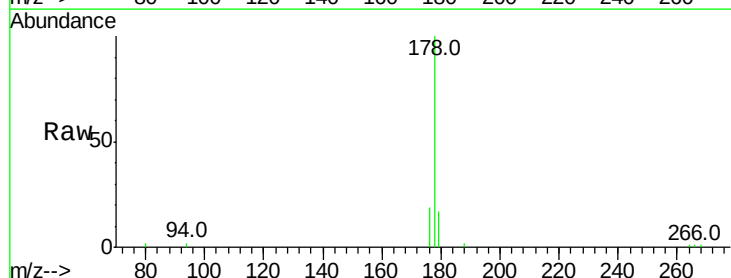
Tgt Ion:178 Resp: 9952

Ion Ratio Lower Upper

178 100

179 17.0 18.1 27.1#

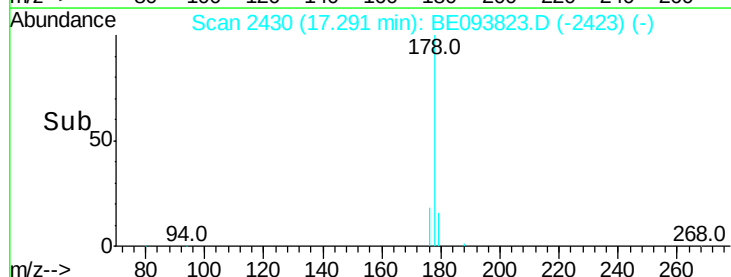
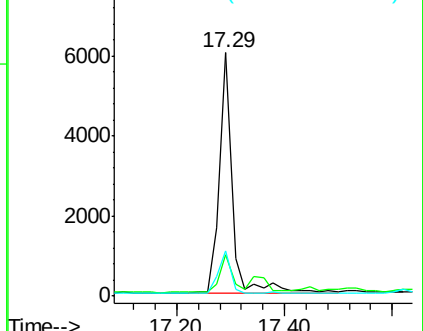
176 18.8 14.7 22.1

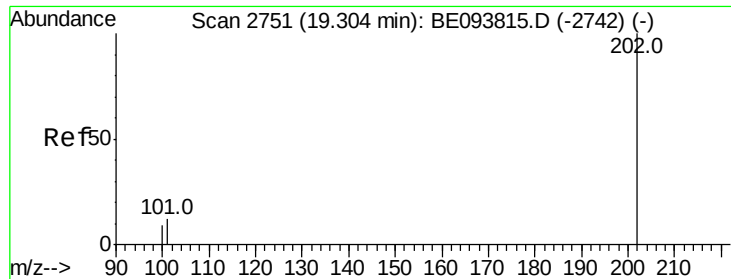


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.053 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

Instrument :

BNA_E

ClientSampleId :

C0AH3

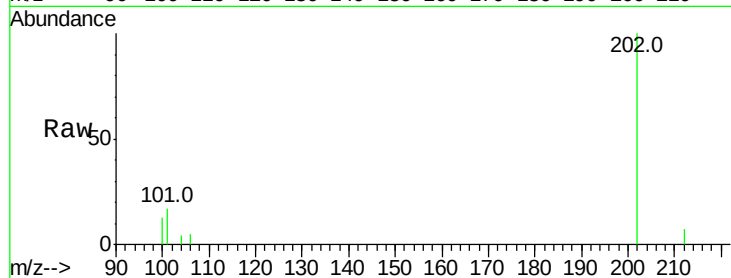
Tot Ion:202 Resp: 3209

Ion Ratio Lower Upper

202 100

101 16.6 0.0 30.3

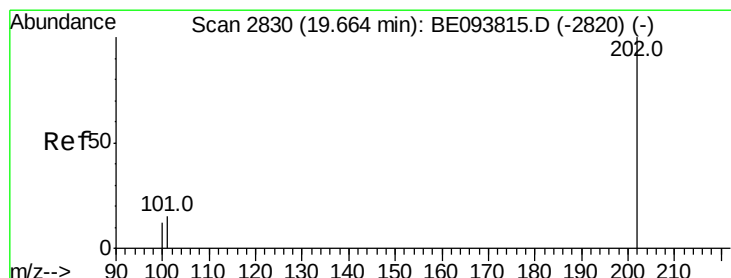
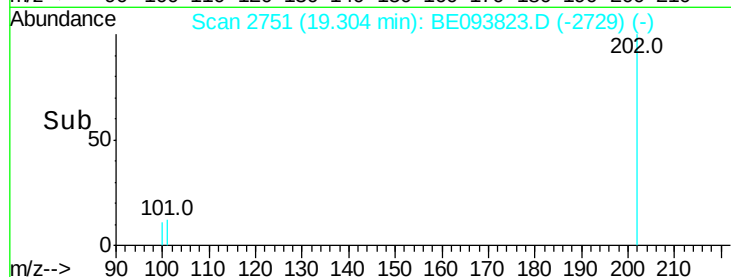
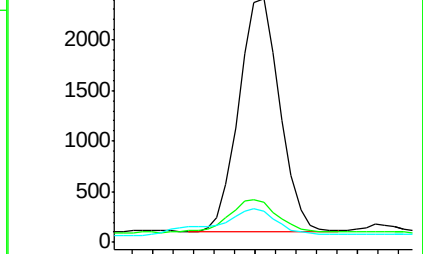
100 13.1 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.095 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

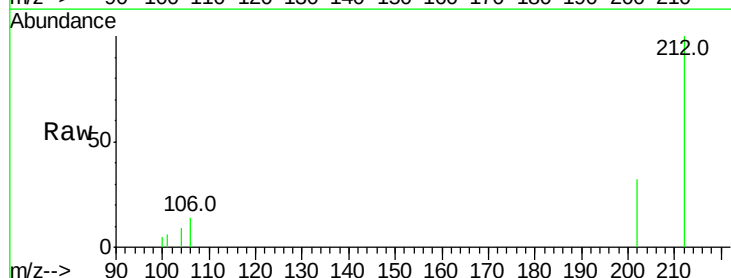
Tgt Ion:202 Resp: 5002

Ion Ratio Lower Upper

202 100

101 17.5 18.2 27.4#

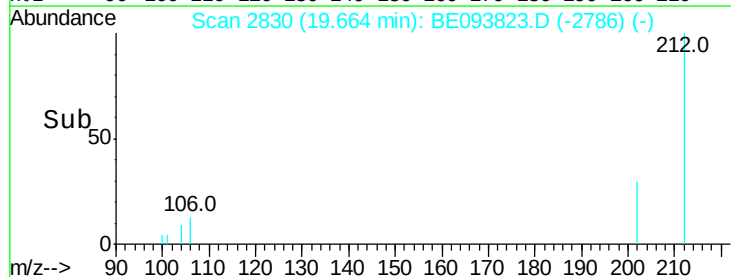
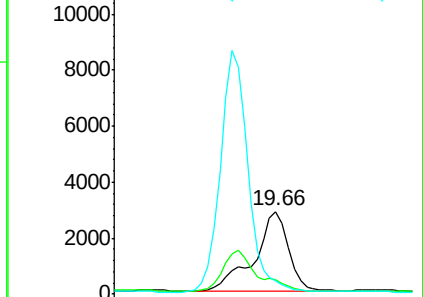
100 16.1 15.6 23.4

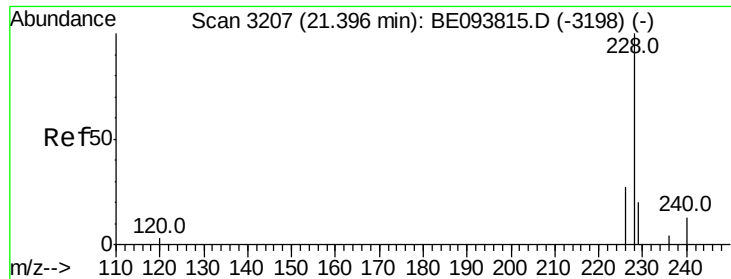


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.035 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

Instrument :

BNA_E

ClientSampleId :

C0AH3

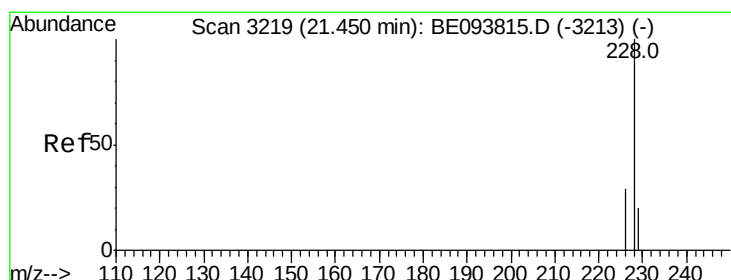
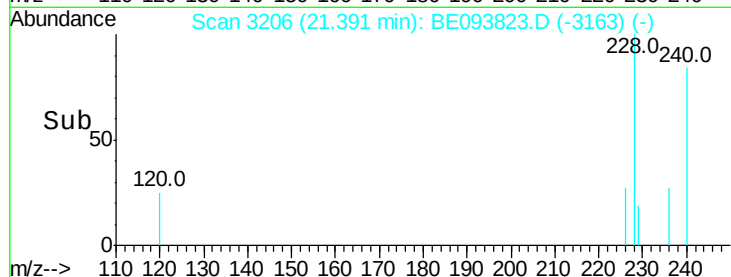
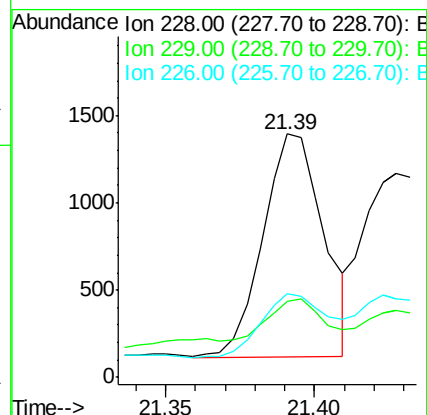
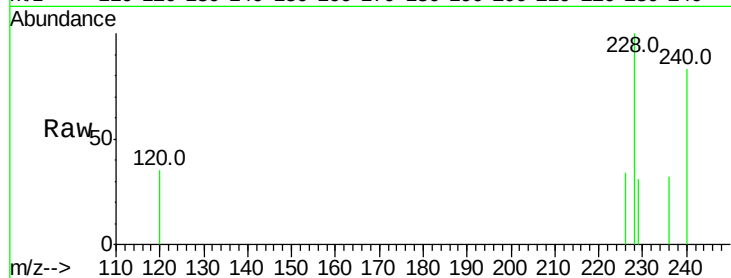
Tot Ion:228 Resp: 1818

Ion Ratio Lower Upper

228 100

229 31.0 22.8 34.2

226 34.4 17.0 25.6#



#19

Chrysene

Concen: 0.068 ng/ul

RT: 21.45 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

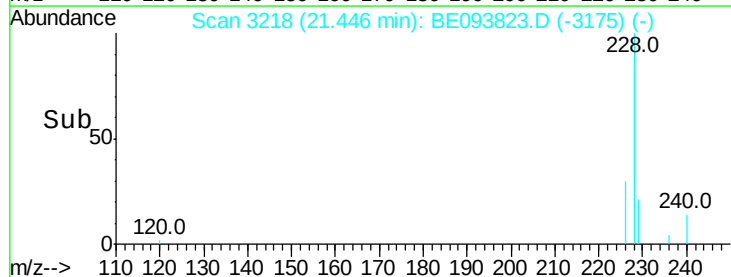
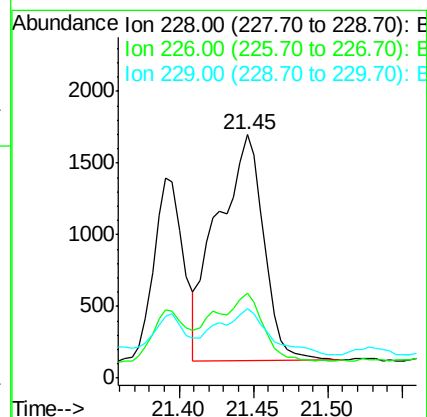
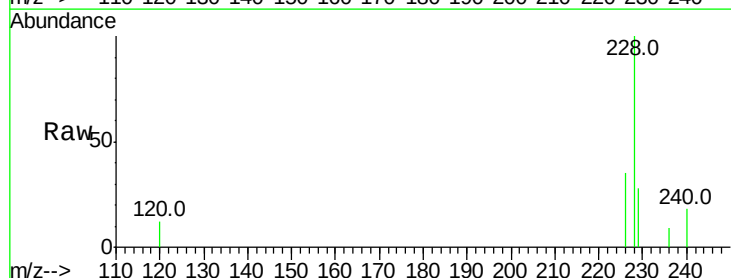
Tgt Ion:228 Resp: 3397

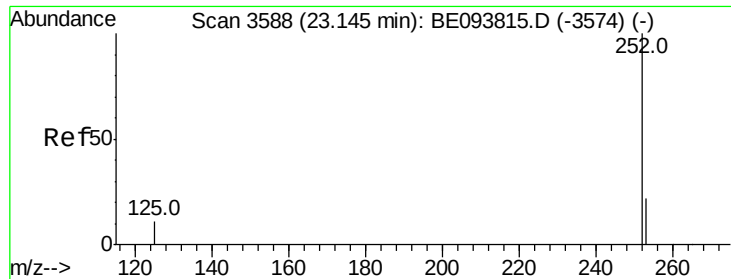
Ion Ratio Lower Upper

228 100

226 34.7 23.4 35.0

229 28.4 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.061 ng/ul

RT: 23.14 min Scan# 3587

Delta R.T. -0.00 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

Instrument :

BNA_E

ClientSampleId :

C0AH3

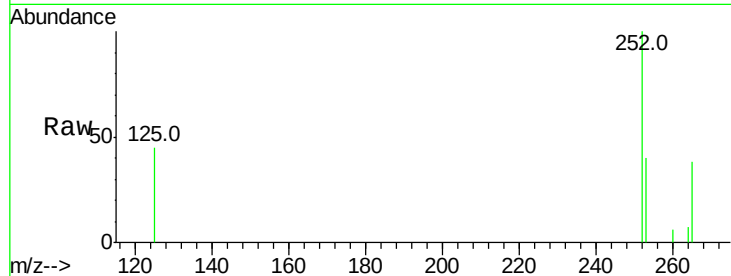
Tot Ion:252 Resp: 4354

Ion Ratio Lower Upper

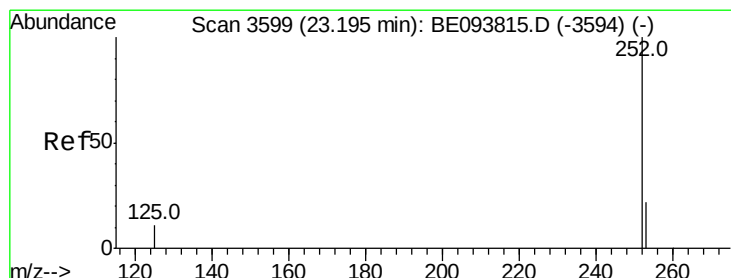
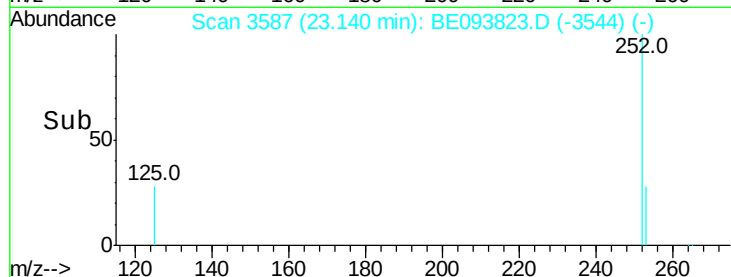
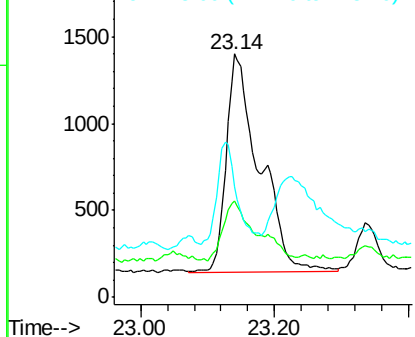
252 100

253 39.7 0.0 64.2

125 45.3 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: 0.062 ng/ul

RT: 23.14 min Scan# 3587

Delta R.T. -0.05 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

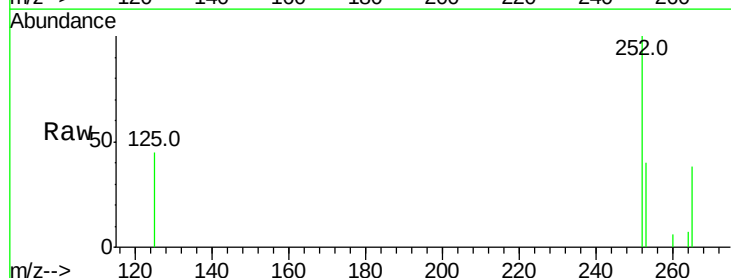
Tgt Ion:252 Resp: 4328

Ion Ratio Lower Upper

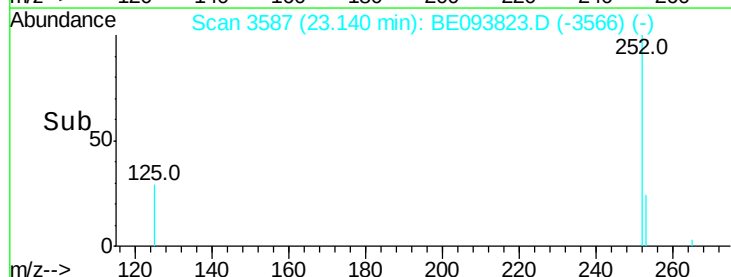
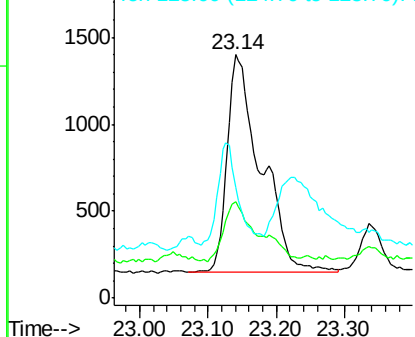
252 100

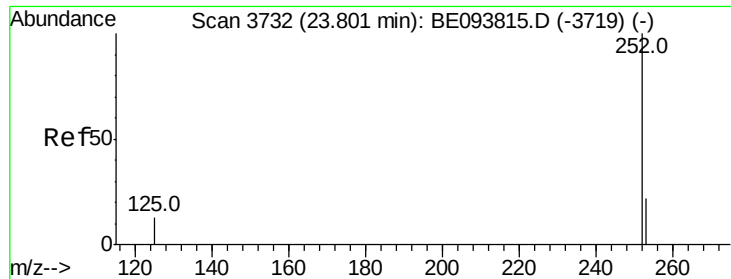
253 39.7 24.5 36.7#

125 45.3 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: 0.028 ng/ul

RT: 23.80 min Scan# 3732

Delta R.T. -0.00 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

Instrument :

BNA_E

ClientSampleId :

C0AH3

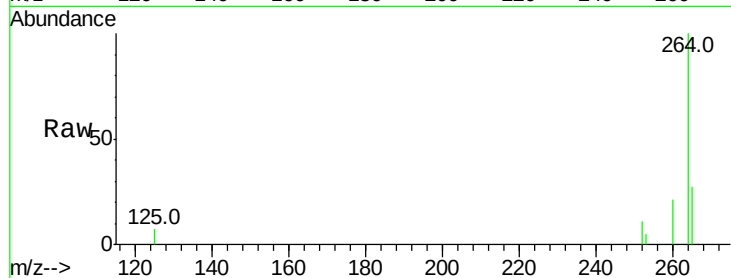
Tot Ion:252 Resp: 1863

Ion Ratio Lower Upper

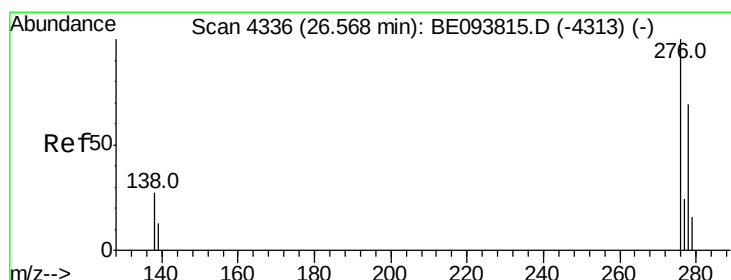
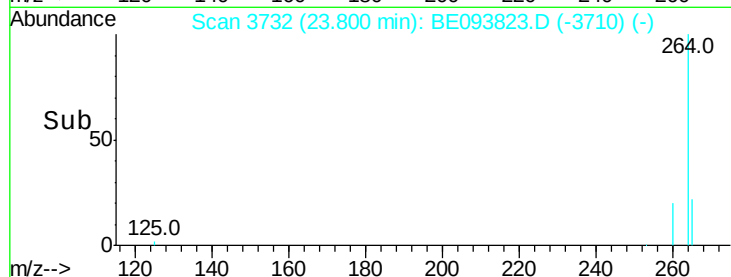
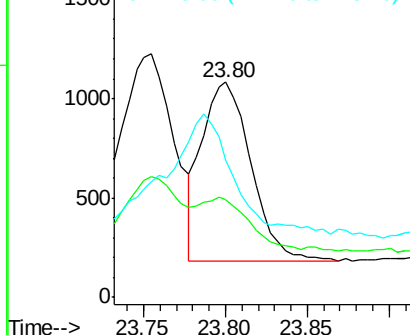
252 100

253 45.4 28.5 42.7#

125 64.0 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: 0.020 ng/ul

RT: 26.56 min Scan# 4334

Delta R.T. -0.01 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

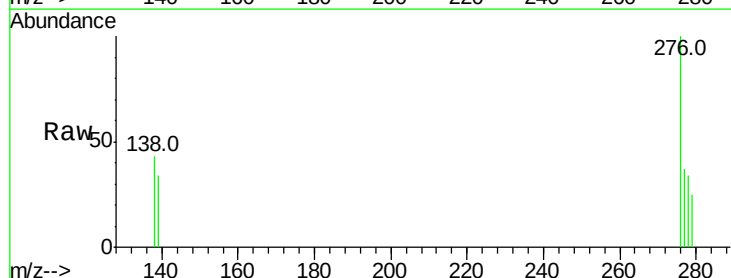
Tgt Ion:276 Resp: 1516

Ion Ratio Lower Upper

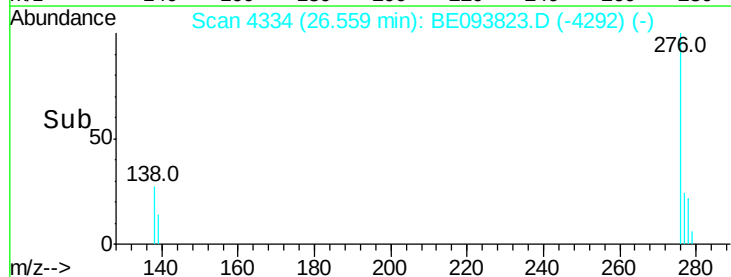
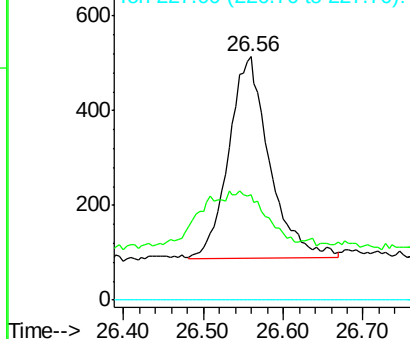
276 100

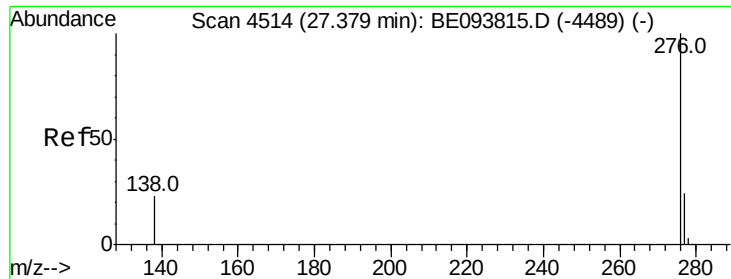
138 49.0 28.0 42.0#

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: 0.036 ng/ul

RT: 27.37 min Scan# 4513

Delta R.T. -0.00 min

Lab File: BE093823.D

Acq: 16 Aug 2017 00:45

Instrument :

BNA_E

ClientSampleId :

C0AH3

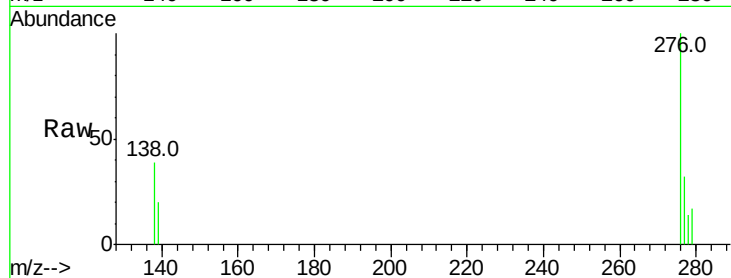
Tot Ion:276 Resp: 2282

Ion Ratio Lower Upper

276 100

138 39.1 21.8 32.8#

277 31.7 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

