

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093857.D
 Acq On : 17 Aug 2017 1:37
 Operator : SJ/JU
 Sample : I4672-10DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AJ0DL

Quant Time: Aug 17 03:07:55 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 02:52:40 2017
 Response via : Initial Calibration

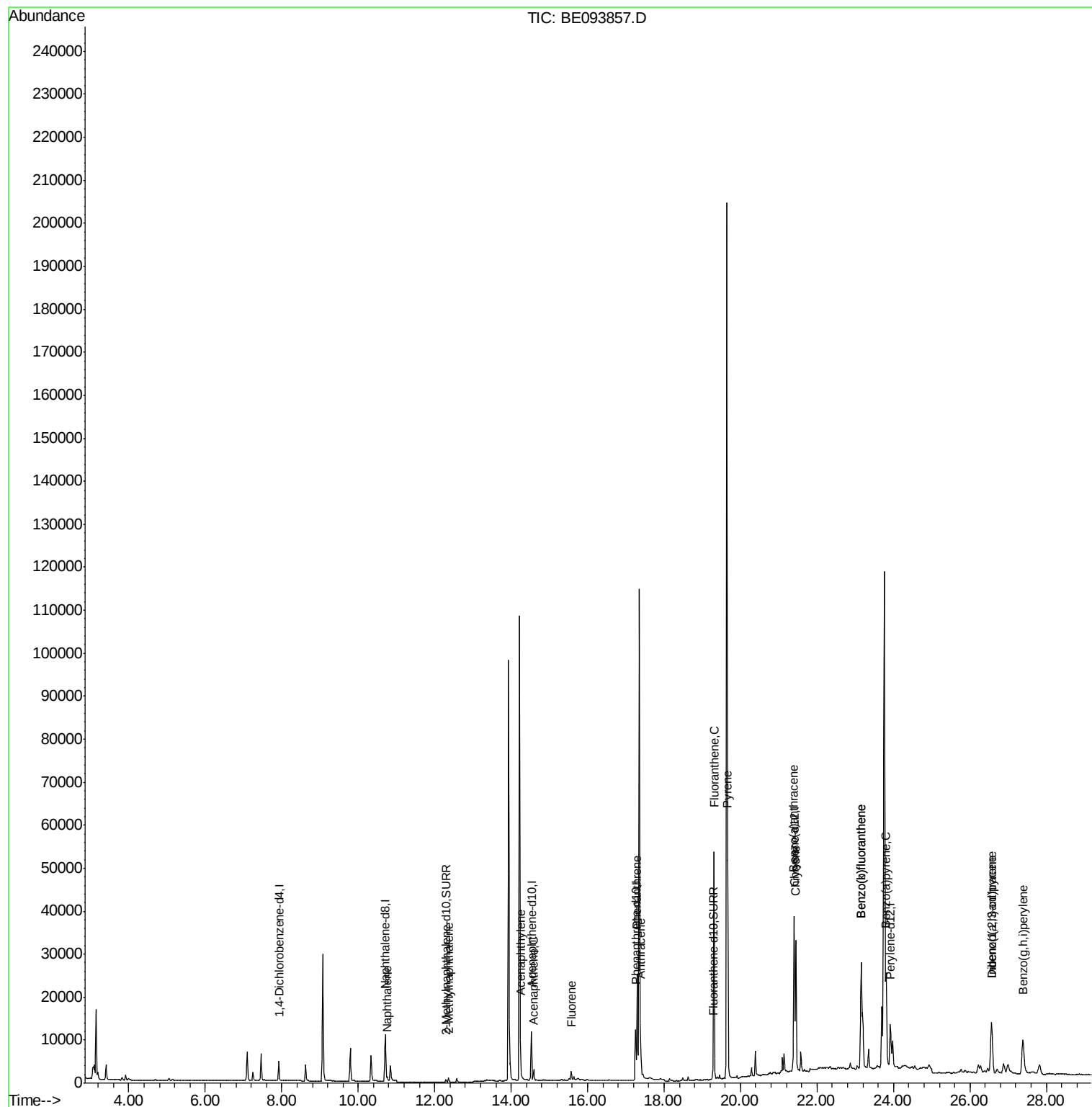
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2367	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	12158	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	6871	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	15056	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	15986	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	16110	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	906	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	2446	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	1284	0.043	ng/ul#	89
5) 2-Methylnaphthalene	12.36	142	917	0.043	ng/ul	100
7) Acenaphthylene	14.25	152	1214	0.042	ng/ul#	89
8) Acenaphthene	14.59	153	1504	0.067	ng/ul	98
9) Fluorene	15.58	166	1436	0.050	ng/ul	96
12) Phenanthrene	17.29	178	27448	0.669	ng/ul#	87
13) Anthracene	17.38	178	7608	0.190	ng/ul#	91
15) Fluoranthene	19.31	202	60250	1.175	ng/ul	84
17) Pyrene	19.67	202	54144	1.160	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	32792	0.708	ng/ul#	86
19) Chrysene	21.45	228	31992	0.720	ng/ul	95
21) Benzo(b)fluoranthene	23.15	252	61736	1.239	ng/ul	91
22) Benzo(k)fluoranthene	23.15	252	61701	1.256	ng/ul	92
23) Benzo(a)pyrene	23.81	252	32316	0.682	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.57	276	21636	0.413	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.57	278	5215	0.119	ng/ul#	73
26) Benzo(a,h,i)perylene	27.39	276	21046	0.477	ng/ul	95

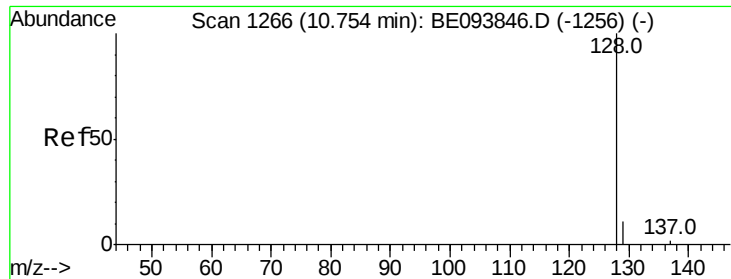
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.043 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

Instrument :

BNA_E

ClientSampleId :

C0AJ0DL

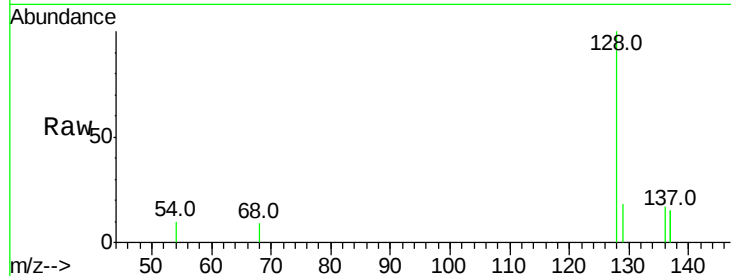
Tot Ion:128 Resp: 1284

Ion Ratio Lower Upper

128 100

129 18.0 11.3 16.9#

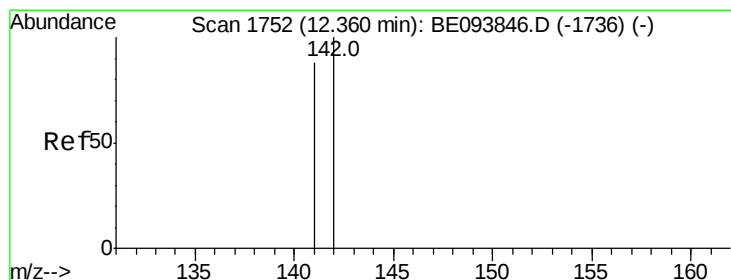
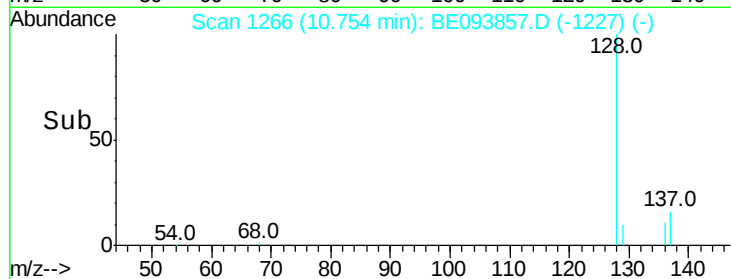
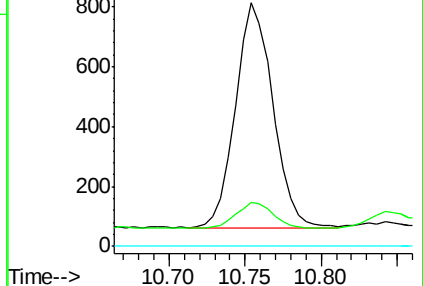
127 0.0 4.0 6.0#



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: 0.043 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE093857.D

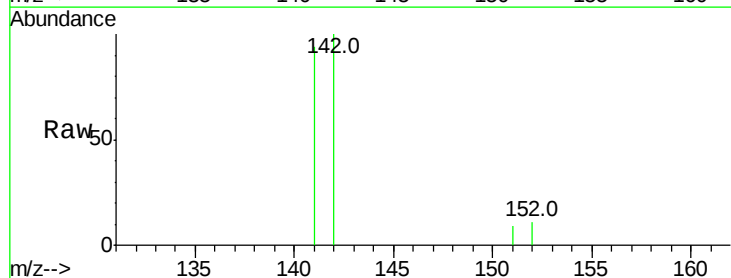
Acq: 17 Aug 2017 1:37

Tgt Ion:142 Resp: 917

Ion Ratio Lower Upper

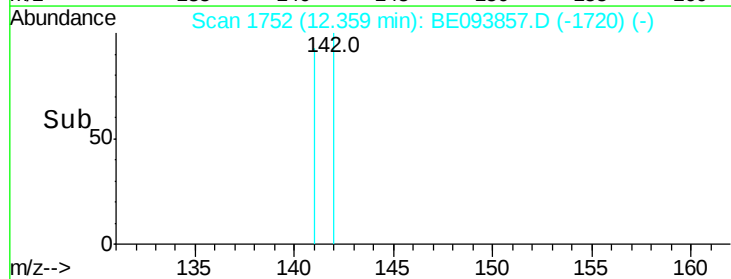
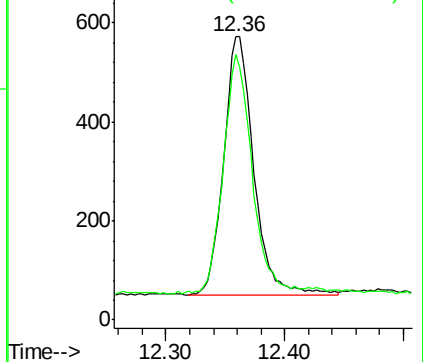
142 100

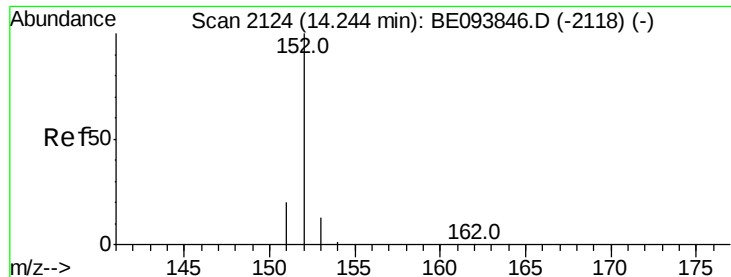
141 90.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.042 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

Instrument :

BNA_E

ClientSampleId :

C0AJ0DL

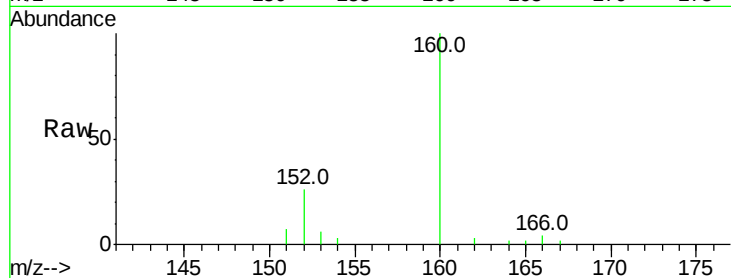
Tot Ion:152 Resp: 1214

Ion Ratio Lower Upper

152 100

151 25.4 17.1 25.7

153 21.9 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

14.25

800

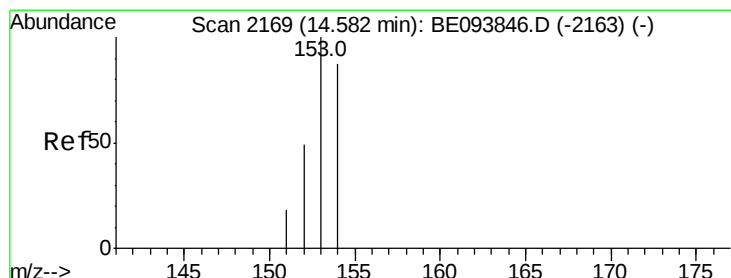
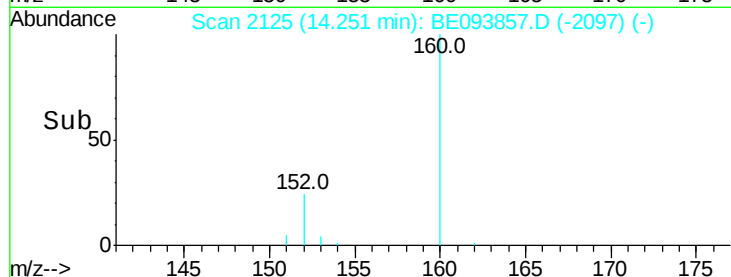
600

400

200

0

Time--> 14.10 14.20 14.30 14.40



#8

Acenaphthene

Concen: 0.067 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.01 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

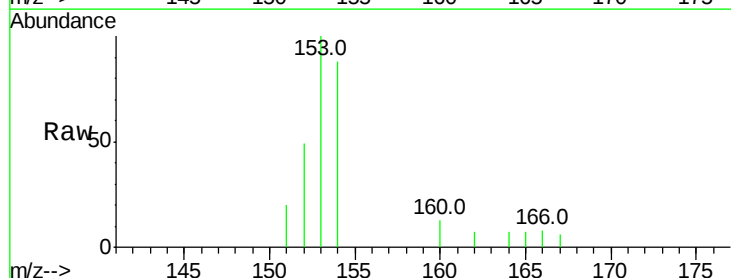
Tgt Ion:153 Resp: 1504

Ion Ratio Lower Upper

153 100

152 49.3 40.3 60.5

154 87.5 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

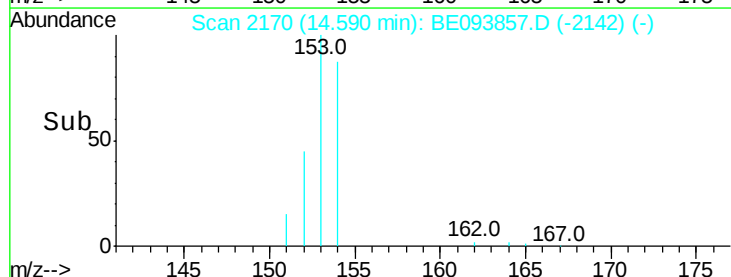
14.59

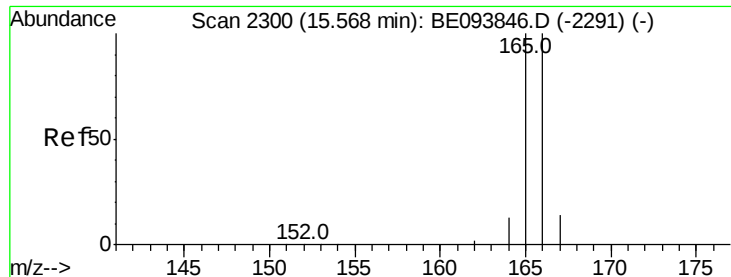
1000

500

0

Time--> 14.50 14.55 14.60 14.65

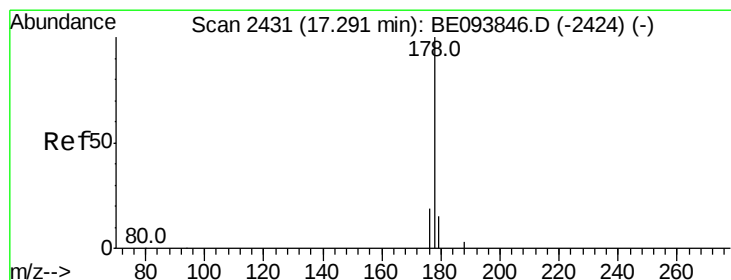
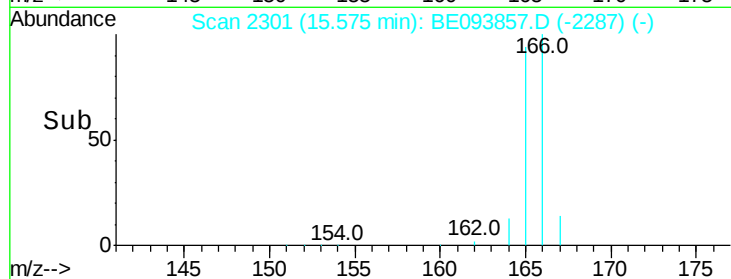
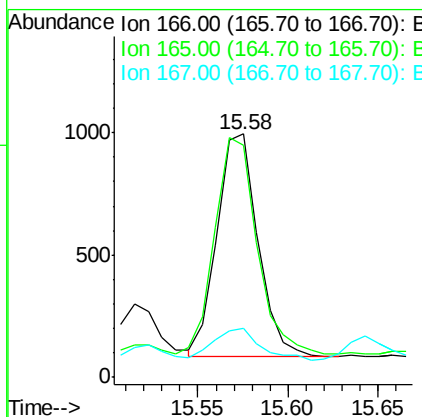
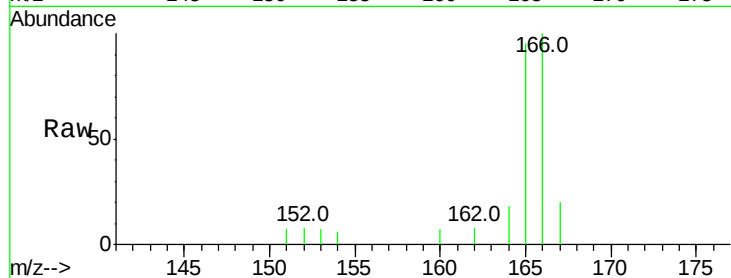




#9
Fluorene
 Concen: 0.050 ng/ul
 RT: 15.58 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: BE093857.D
 Acq: 17 Aug 2017 1:37

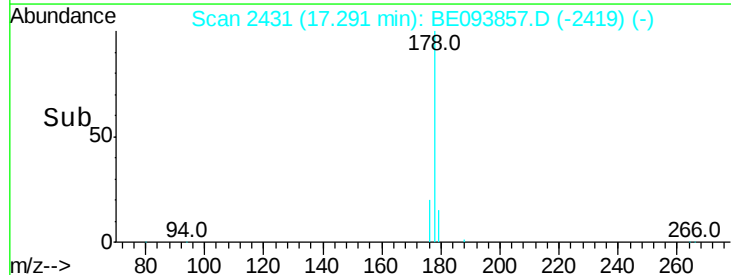
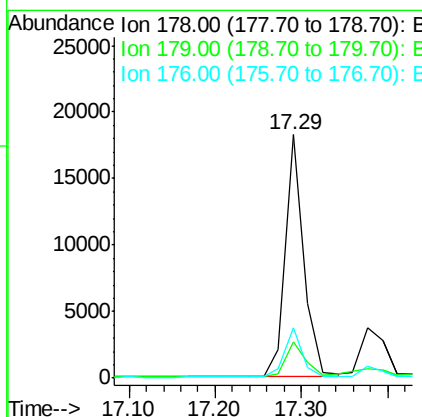
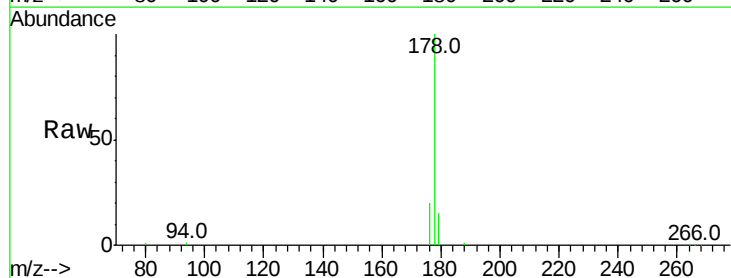
Instrument :
 BNA_E
 ClientSampleId :
 C0AJ0DL

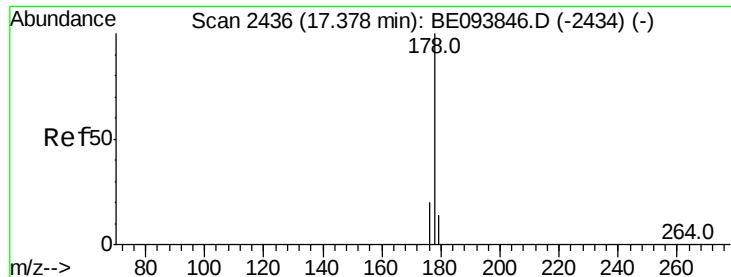
Tot Ion:166 Resp: 1436
 Ion Ratio Lower Upper
 166 100
 165 95.4 73.4 110.2
 167 19.9 14.6 22.0



#12
Phenanthrene
 Concen: 0.669 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: BE093857.D
 Acq: 17 Aug 2017 1:37

Tgt Ion:178 Resp: 27448
 Ion Ratio Lower Upper
 178 100
 179 15.1 18.4 27.6#
 176 20.5 13.6 20.4#





#13

Anthracene

Concen: 0.190 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

Instrument :

BNA_E

ClientSampleId :

C0AJ0DL

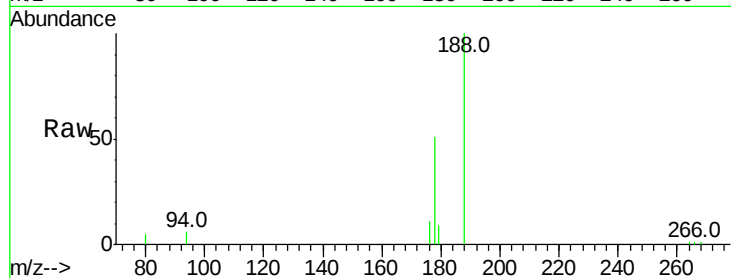
Tot Ion:178 Resp: 7608

Ion Ratio Lower Upper

178 100

179 17.9 18.1 27.1#

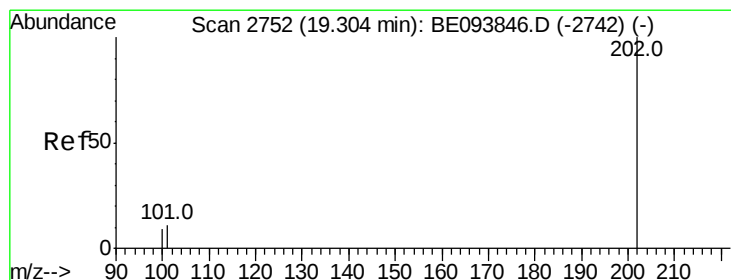
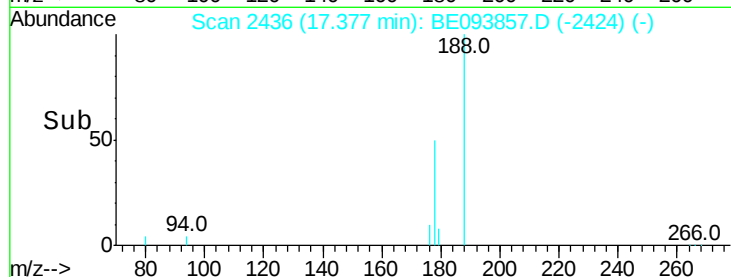
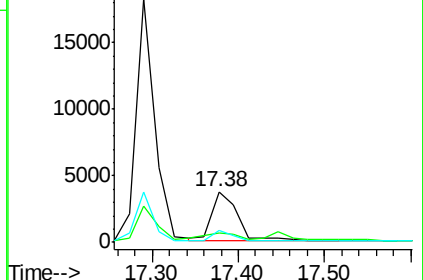
176 22.4 14.7 22.1#



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: 1.175 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. 0.00 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

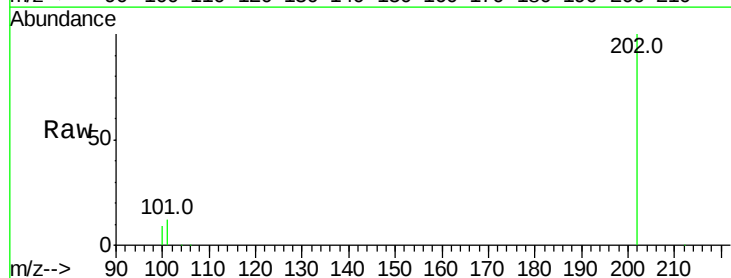
Tgt Ion:202 Resp: 60250

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.3

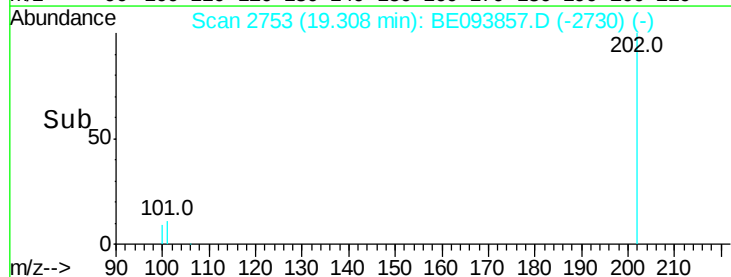
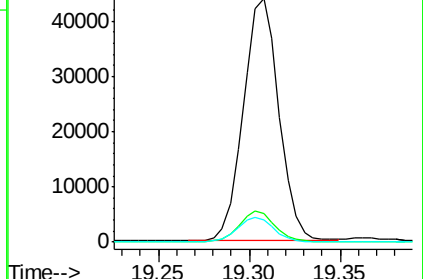
100 9.3 0.0 39.5

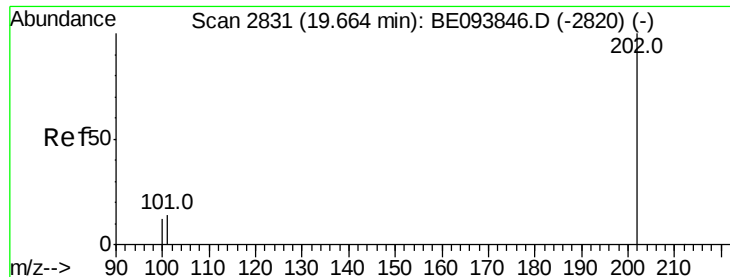


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 1.160 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

Instrument :

BNA_E

ClientSampleId :

C0AJ0DL

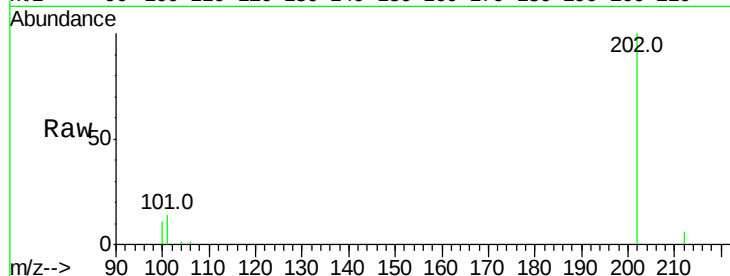
Tot Ion:202 Resp: 54144

Ion Ratio Lower Upper

202 100

101 13.5 18.2 27.4#

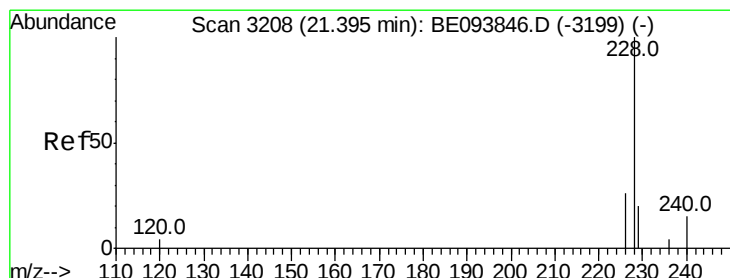
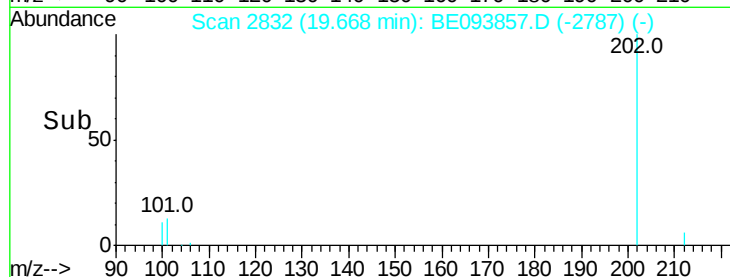
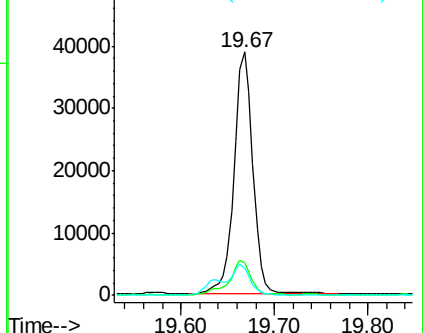
100 11.4 15.6 23.4#



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: 0.708 ng/ul

RT: 21.39 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

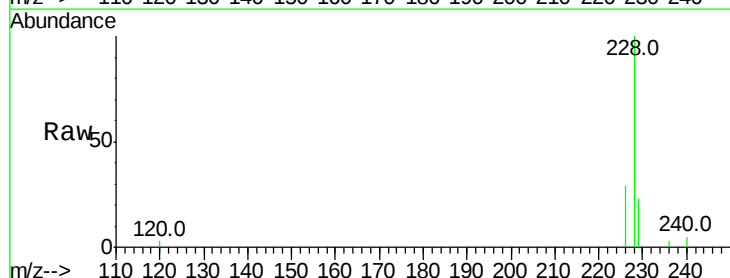
Tgt Ion:228 Resp: 32792

Ion Ratio Lower Upper

228 100

229 22.6 22.8 34.2#

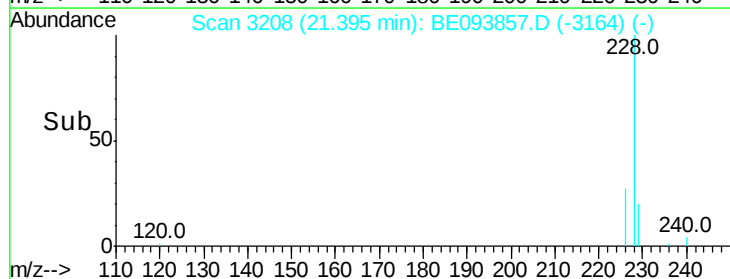
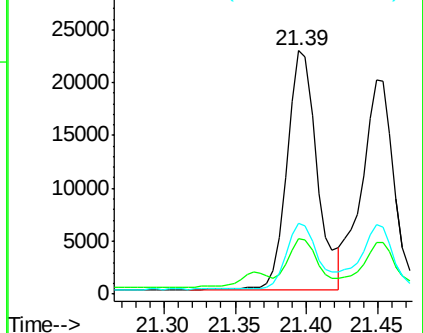
226 29.3 17.0 25.6#

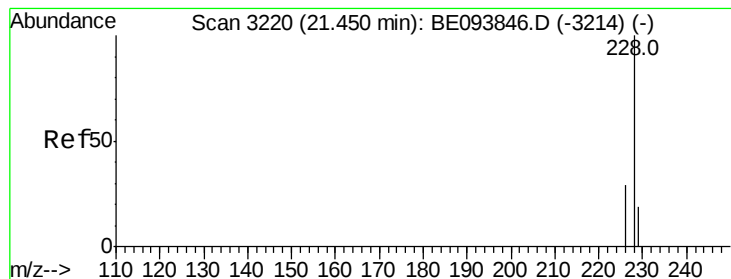


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.720 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. -0.00 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

Instrument :

BNA_E

ClientSampleId :

C0AJ0DL

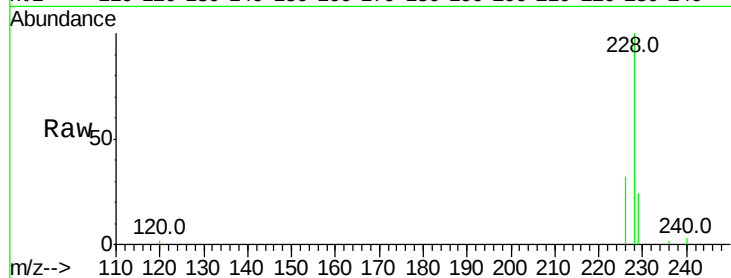
Tot Ion:228 Resp: 31992

Ion Ratio Lower Upper

228 100

226 32.5 23.4 35.0

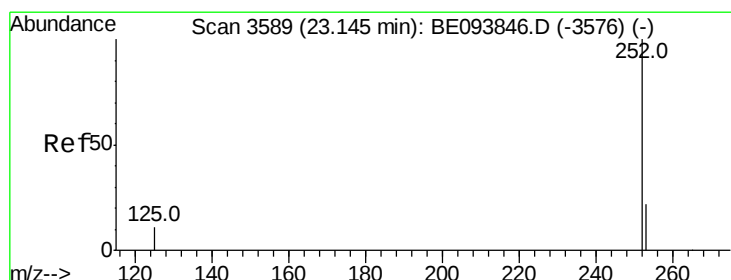
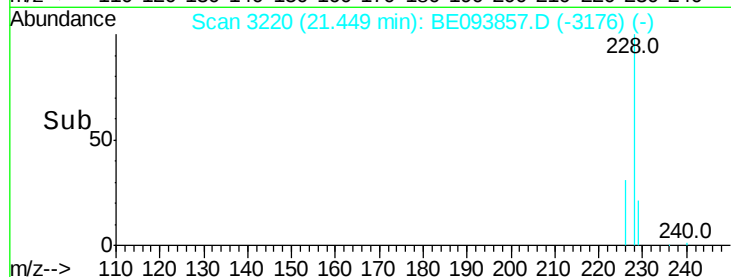
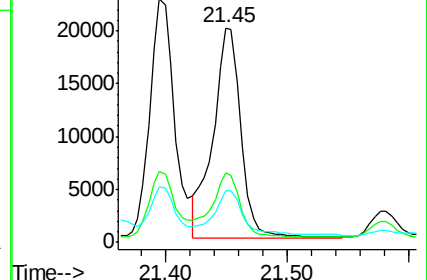
229 23.8 17.7 26.5



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: 1.239 ng/ul

RT: 23.15 min Scan# 3591

Delta R.T. 0.01 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

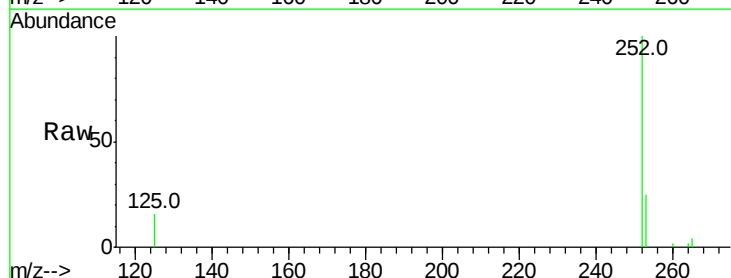
Tgt Ion:252 Resp: 61736

Ion Ratio Lower Upper

252 100

253 25.3 0.0 64.2

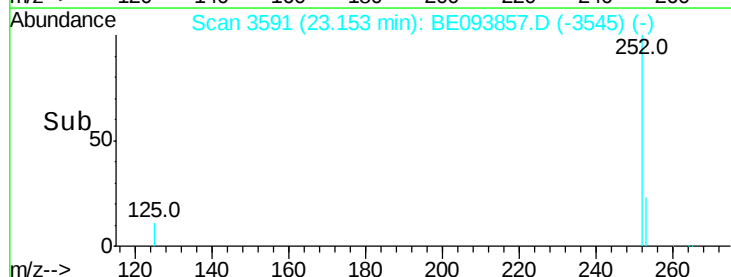
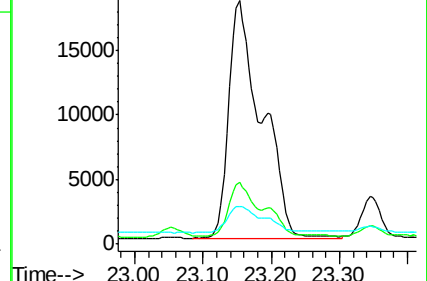
125 15.6 0.0 35.0

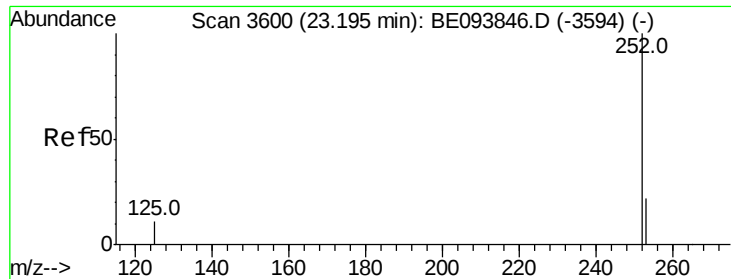


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.256 ng/ul

RT: 23.15 min Scan# 3591

Delta R.T. -0.04 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

Instrument :

BNA_E

ClientSampleId :

C0AJ0DL

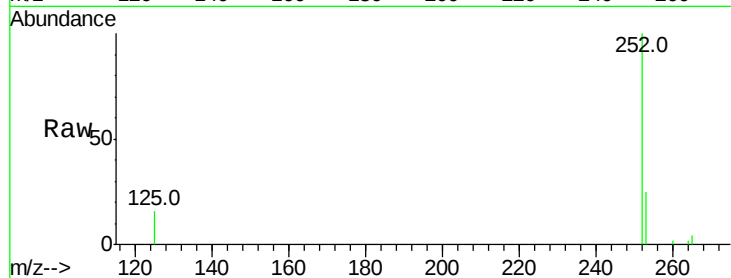
Tot Ion:252 Resp: 61701

Ion Ratio Lower Upper

252 100

253 25.3 24.5 36.7

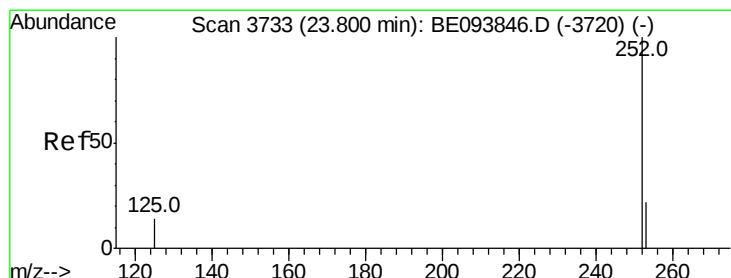
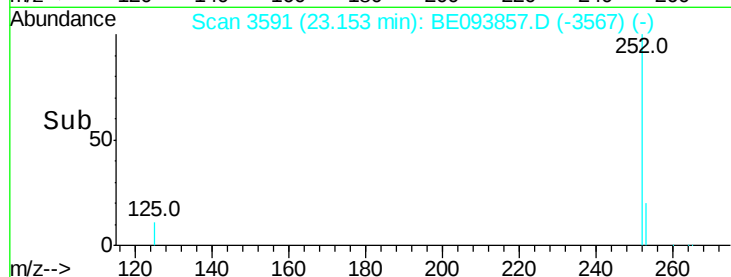
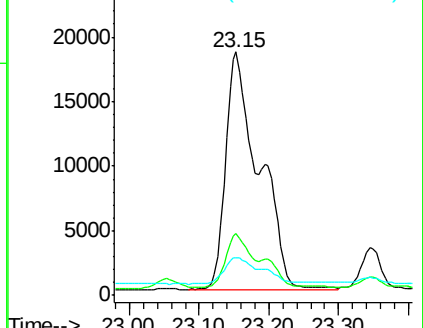
125 15.6 13.7 20.5



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: 0.682 ng/ul

RT: 23.81 min Scan# 3735

Delta R.T. 0.01 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

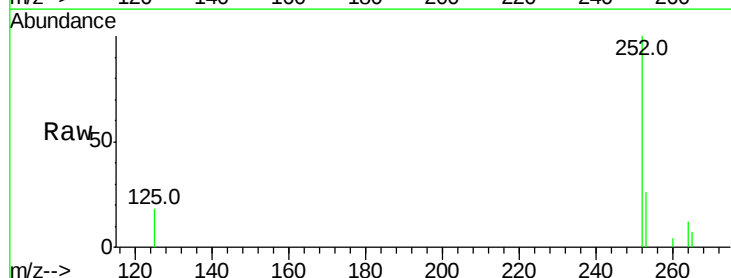
Tgt Ion:252 Resp: 32316

Ion Ratio Lower Upper

252 100

253 25.8 28.5 42.7#

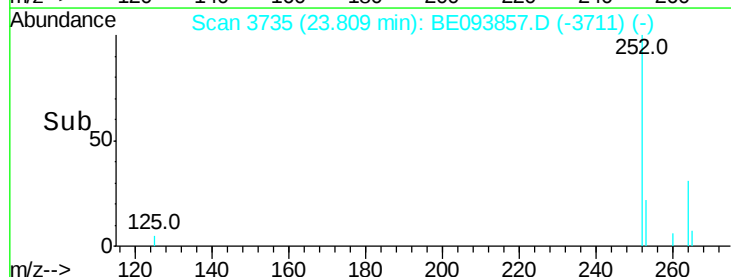
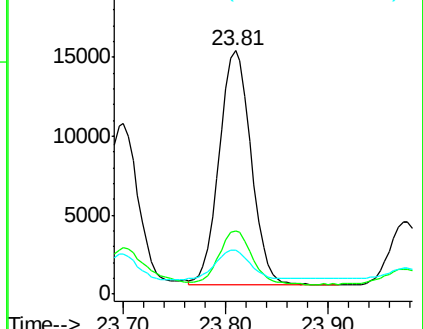
125 17.9 18.1 27.1#

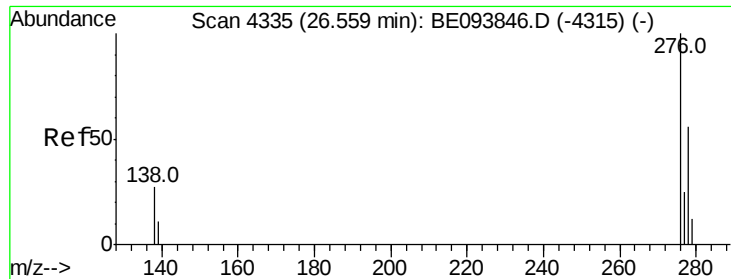


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



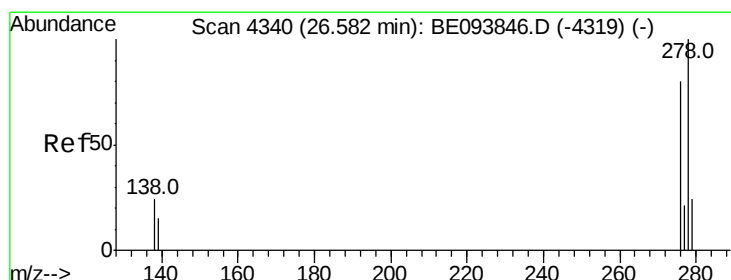
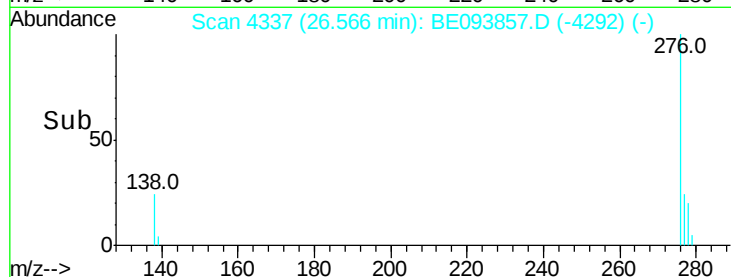
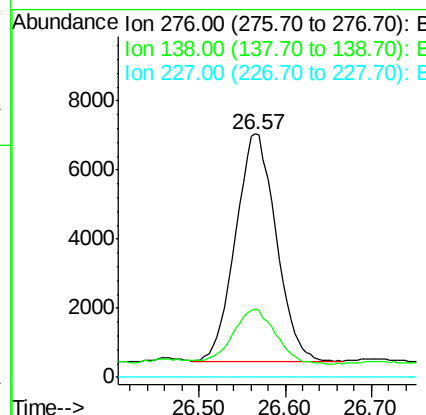
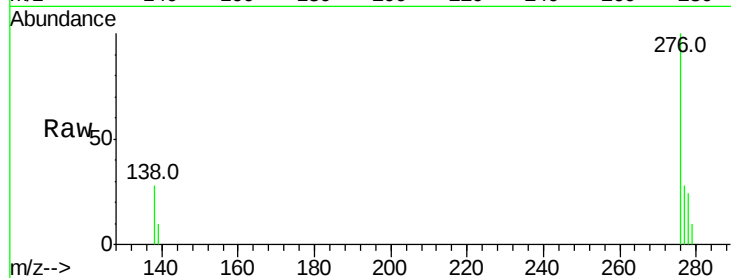


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.413 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. 0.01 min
Lab File: BE093857.D
Acq: 17 Aug 2017 1:37

Instrument :
BNA_E
ClientSampleId :
C0AJ0DL

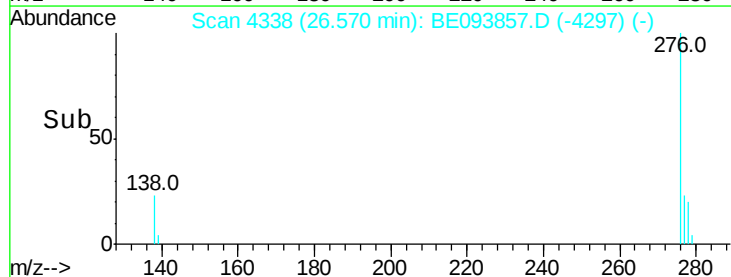
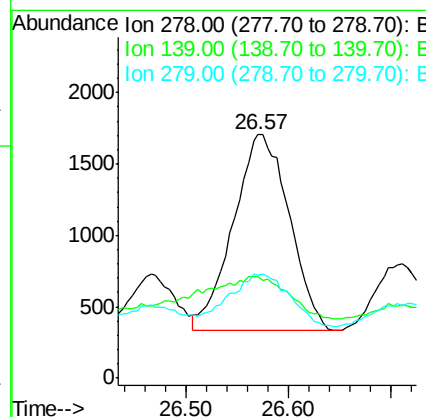
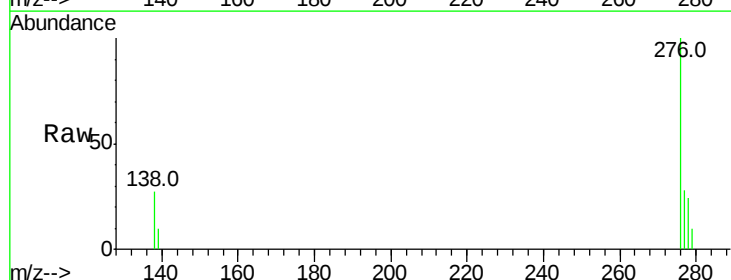
Tot Ion:276 Resp: 21636
Ion Ratio Lower Upper
276 100
138 24.8 28.0 42.0#
227 0.0 8.0 12.0#

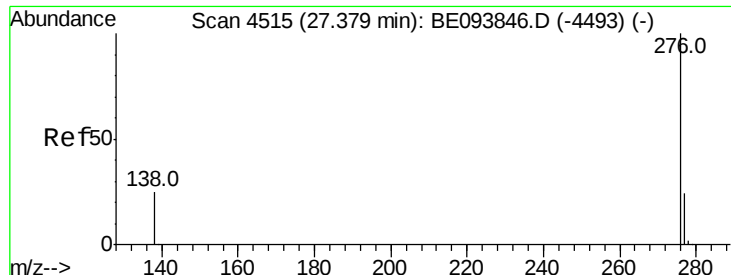


#25

Dibenzo(a,h)anthracene
Concen: 0.119 ng/ul
RT: 26.57 min Scan# 4338
Delta R.T. -0.01 min
Lab File: BE093857.D
Acq: 17 Aug 2017 1:37

Tgt Ion:278 Resp: 5215
Ion Ratio Lower Upper
278 100
139 41.7 17.4 26.0#
279 42.1 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.477 ng/ul

RT: 27.39 min Scan# 4518

Delta R.T. 0.01 min

Lab File: BE093857.D

Acq: 17 Aug 2017 1:37

Instrument :

BNA_E

ClientSampleId :

C0AJ0DL

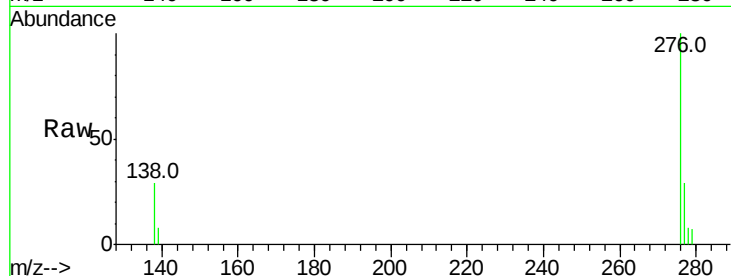
Tot Ion:276 Resp: 21046

Ion Ratio Lower Upper

276 100

138 28.8 21.8 32.8

277 29.1 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

