

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
 Data File : BE097480.D
 Acq On : 13 Sep 2018 9:14
 Operator : SJ/JU
 Sample : J4792-16DL 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 13 10:28:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 13 07:48:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1369	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	7654	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	4721	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	11700	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	13141	0.40	ng/ul	0.01
20) Perylene-d12	23.22	264	12815	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	271	0.02	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	808	0.02	ng/ul	0.00

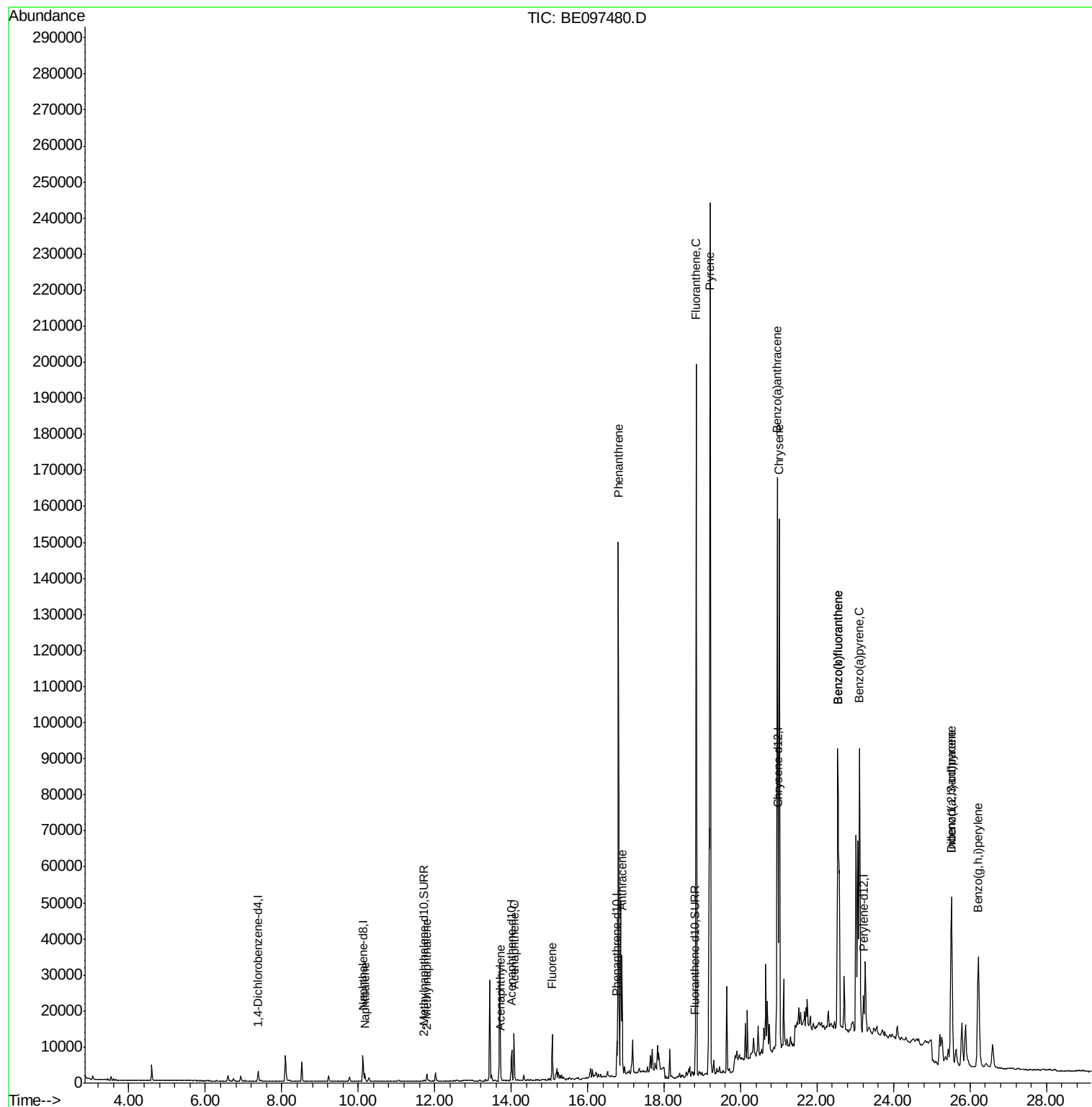
Target Compounds				Ovalue		
3) Naphthalene	10.17	128	3331	0.178	ng/ul#	95
5) 2-Methylnaphthalene	11.80	142	1780	0.151	ng/ul	97
7) Acenaphthylene	13.73	152	1055	0.061	ng/ul#	76
8) Acenaphthene	14.07	153	7482	0.506	ng/ul	95
9) Fluorene	15.07	166	7609	0.449	ng/ul	92
12) Phenanthrene	16.80	178	160584	5.332	ng/ul#	88
13) Anthracene	16.89	178	34111	1.347	ng/ul#	92
15) Fluoranthene	18.84	202	215763	5.577	ng/ul	84
17) Pyrene	19.21	202	265005	7.494	ng/ul#	79
18) Benzo(a)anthracene	20.96	228	126596	3.750	ng/ul#	87
19) Chrysene	21.01	228	123317	3.171	ng/ul	97
21) Benzo(b)fluoranthene	22.54	252	180062	5.247	ng/ul	89
22) Benzo(k)fluoranthene	22.54	252	180062	4.705	ng/ul	91
23) Benzo(a)pyrene	23.11	252	108786	3.426	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.51	276	75075	1.824	ng/ul#	78
25) Dibenzo(a,h)anthracene	25.52	278	20357	0.584	ng/ul#	92
26) Benzo(a,h,i)perylene	26.22	276	70702	2.015	ng/ul#	93

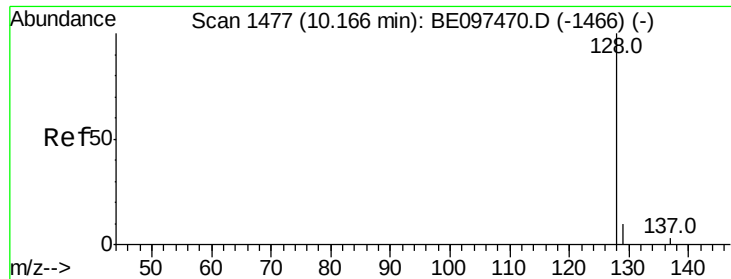
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.178 ng/ul

RT: 10.17 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

Instrument :

BNA_E

ClientSampleId :

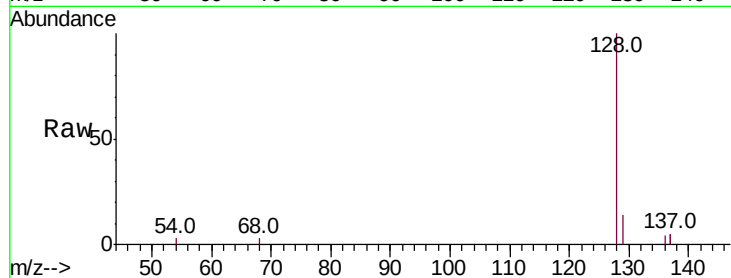
Tot Ion:128 Resp: 3331

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

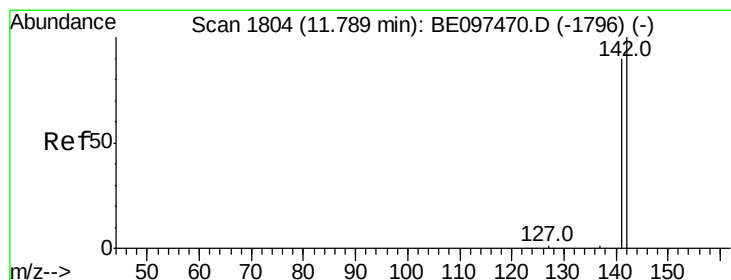
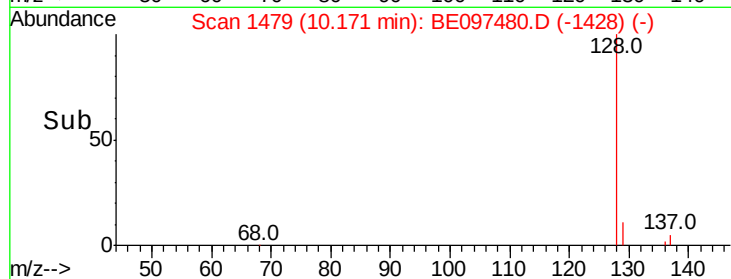
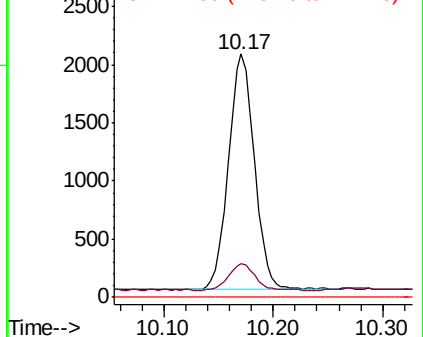
127 0.0 4.0 6.0#



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: 0.151 ng/ul

RT: 11.80 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BE097480.D

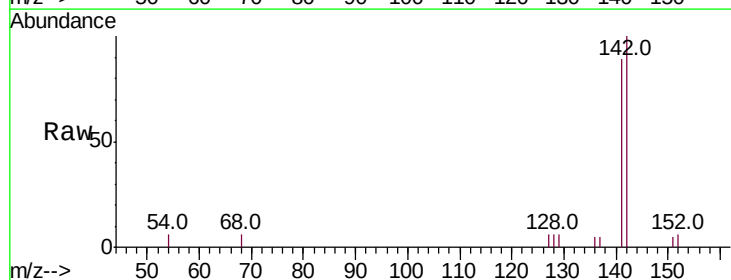
Acq: 13 Sep 2018 9:14

Tgt Ion:142 Resp: 1780

Ion Ratio Lower Upper

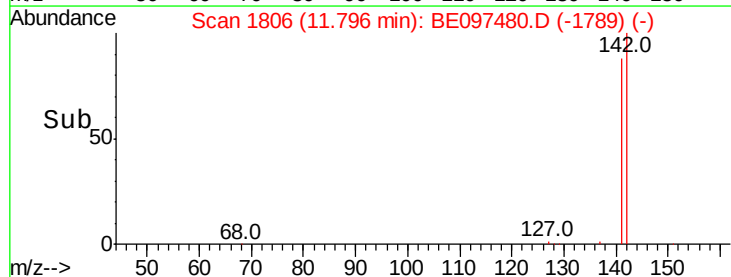
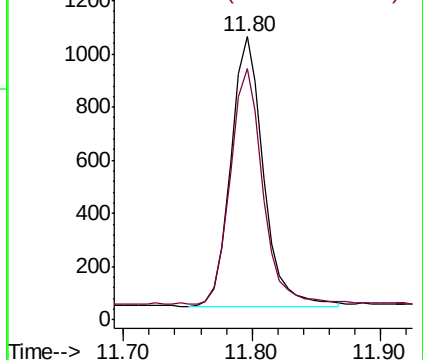
142 100

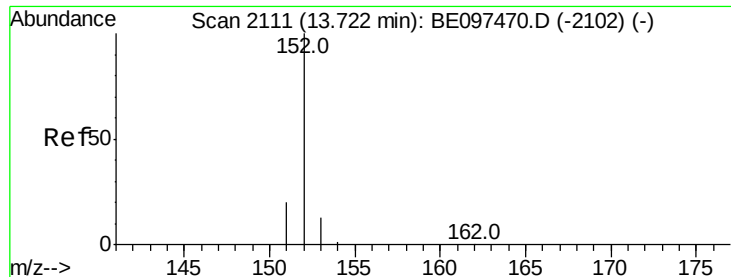
141 87.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.061 ng/ul

RT: 13.73 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

Instrument :

BNA_E

ClientSampleId :

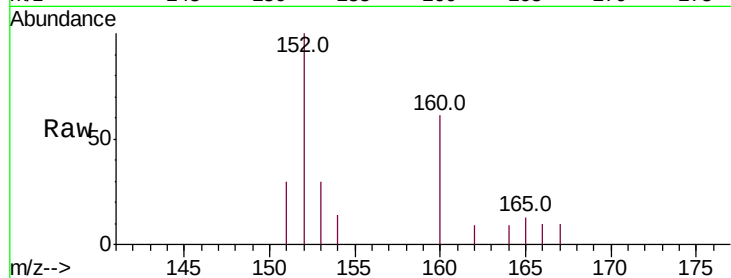
Tot Ion:152 Resp: 1055

Ion Ratio Lower Upper

152 100

151 29.7 17.1 25.7#

153 29.6 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

13.73

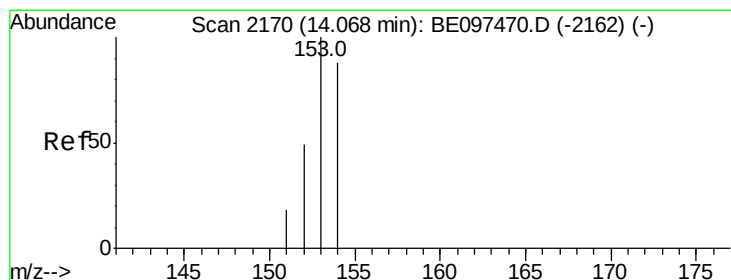
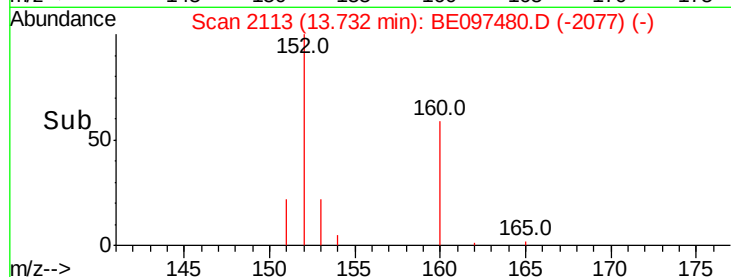
600

400

200

0

Time-->



#8

Acenaphthene

Concen: 0.506 ng/ul

RT: 14.07 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

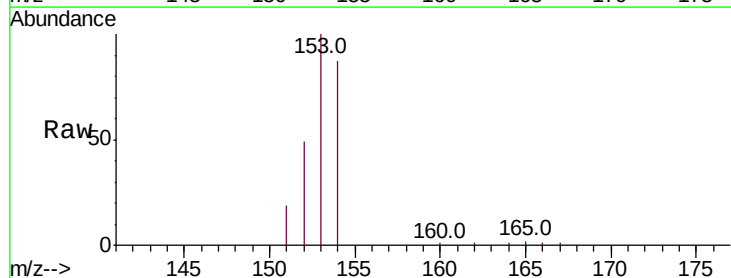
Tgt Ion:153 Resp: 7482

Ion Ratio Lower Upper

153 100

152 49.5 36.0 54.0

154 86.6 72.0 108.0



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

14.07

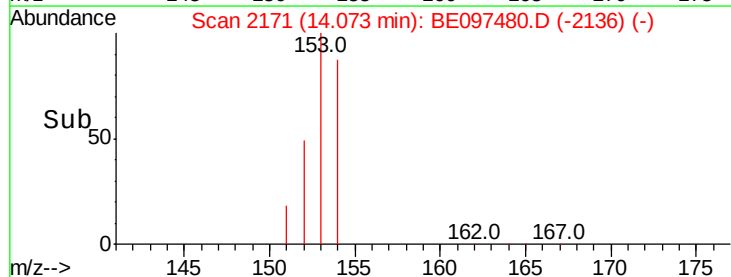
6000

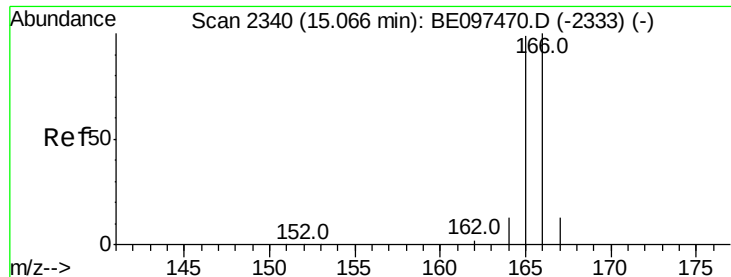
4000

2000

0

Time-->





#9

Fluorene

Concen: 0.449 ng/ul

RT: 15.07 min Scan# 2341

Delta R.T. 0.00 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

Instrument :

BNA_E

ClientSampleId :

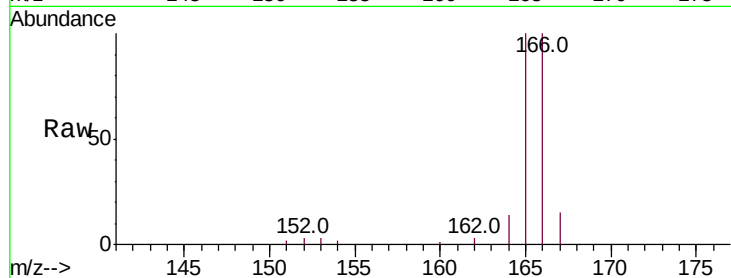
Tot Ion:166 Resp: 7609

Ion Ratio Lower Upper

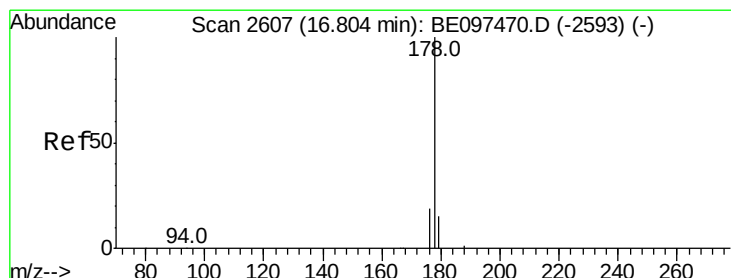
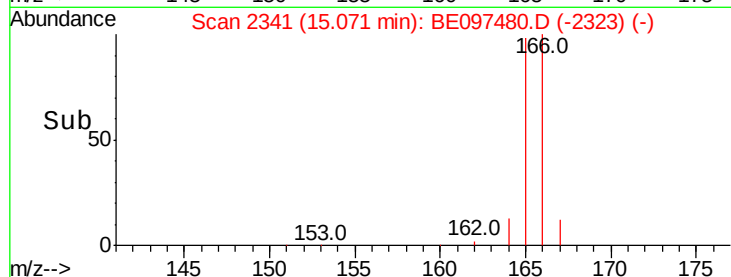
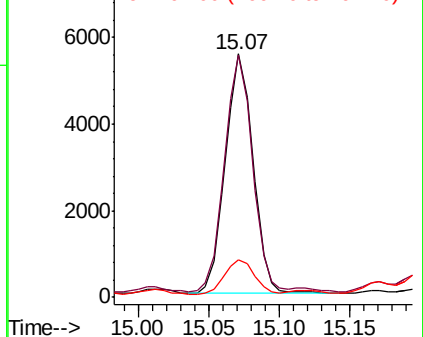
166 100

165 99.8 73.4 110.2

167 15.5 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: 5.332 ng/ul

RT: 16.80 min Scan# 2607

Delta R.T. -0.00 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

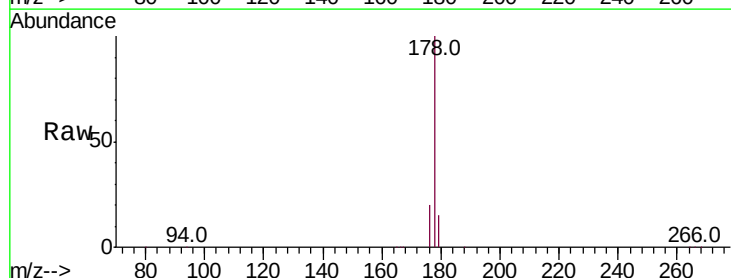
Tgt Ion:178 Resp: 160584

Ion Ratio Lower Upper

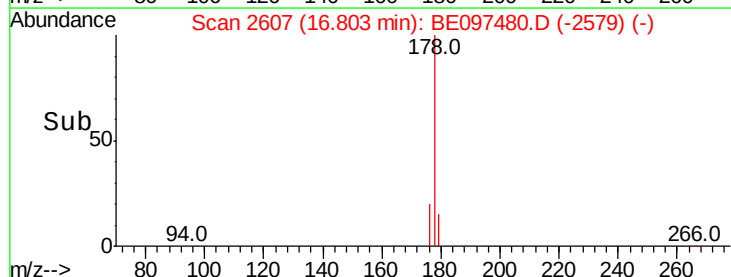
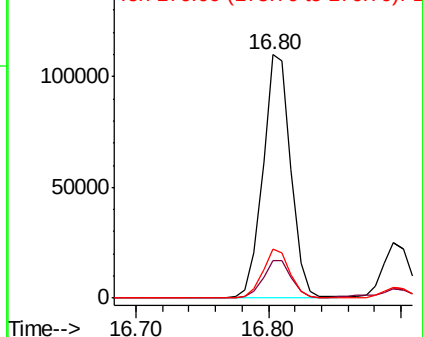
178 100

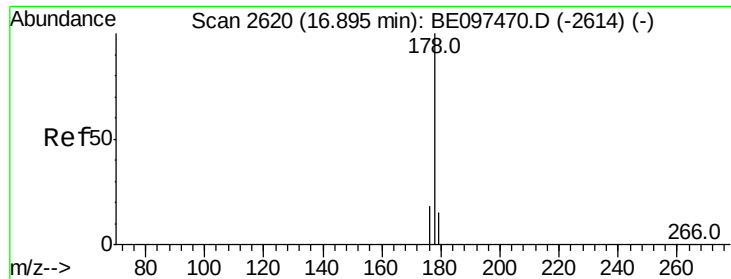
179 15.3 18.4 27.6#

176 19.9 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: 1.347 ng/ul

RT: 16.89 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

Instrument :

BNA_E

ClientSampled :

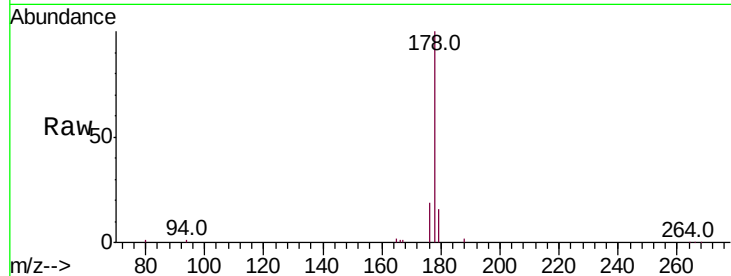
Tot Ion:178 Resp: 34111

Ion Ratio Lower Upper

178 100

179 16.4 18.1 27.1#

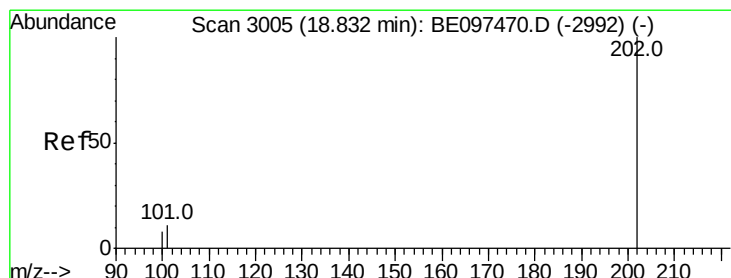
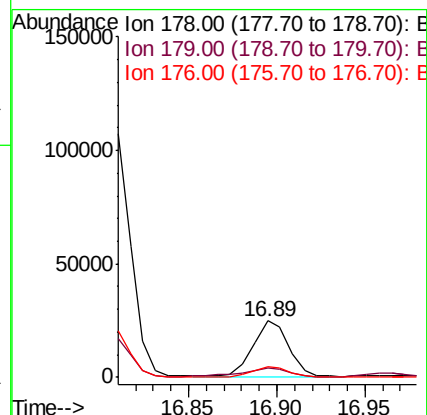
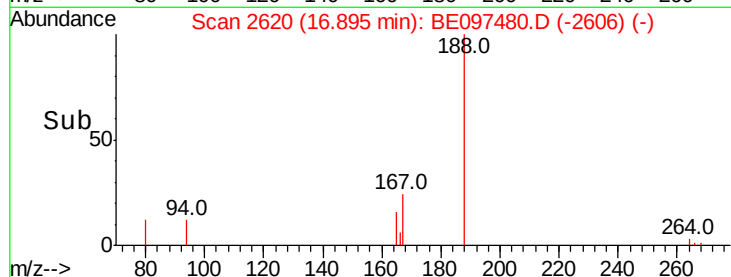
176 19.3 14.7 22.1



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: 5.577 ng/ul

RT: 18.84 min Scan# 3007

Delta R.T. 0.01 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

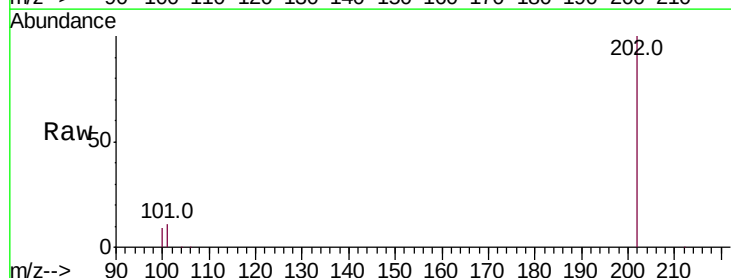
Tgt Ion:202 Resp: 215763

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

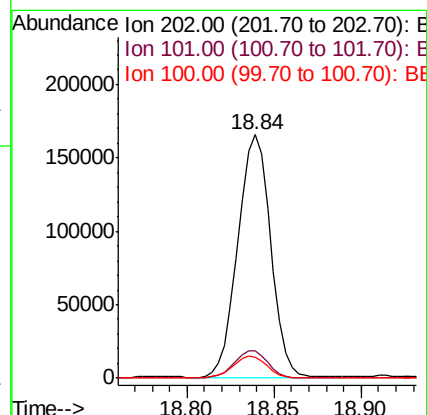
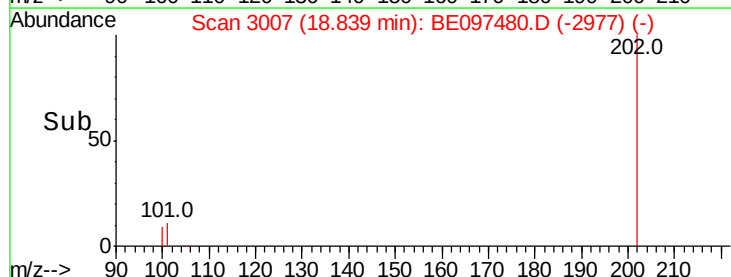
100 8.7 0.0 39.5

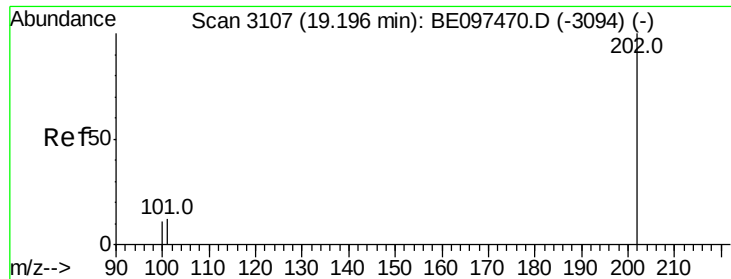


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

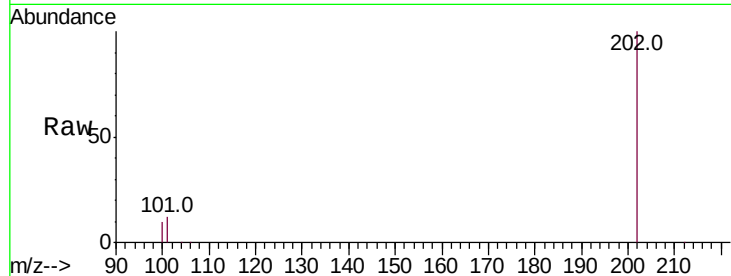




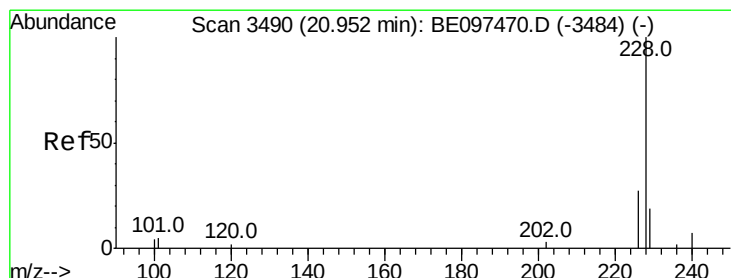
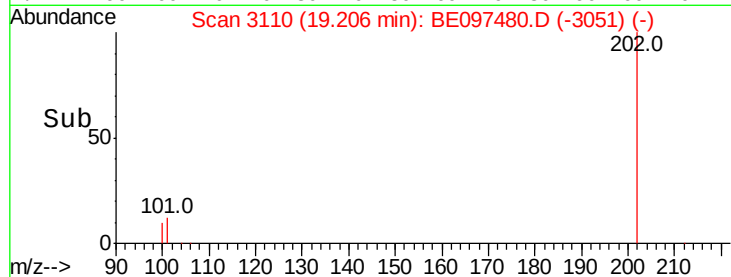
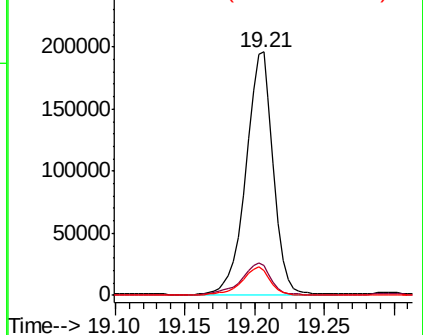
#17
Pvrene
Concen: 7.494 ng/ul
RT: 19.21 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BE097480.D
Acq: 13 Sep 2018 9:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.2	18.2	27.4#
100	10.2	15.6	23.4#

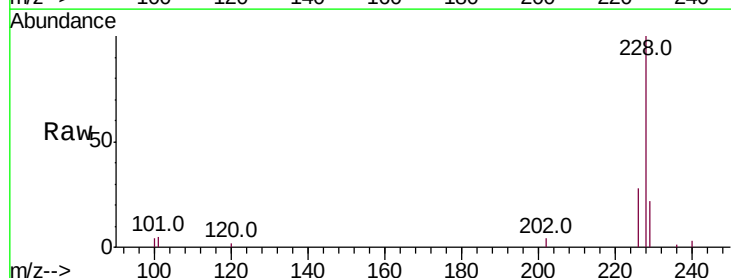


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): BE

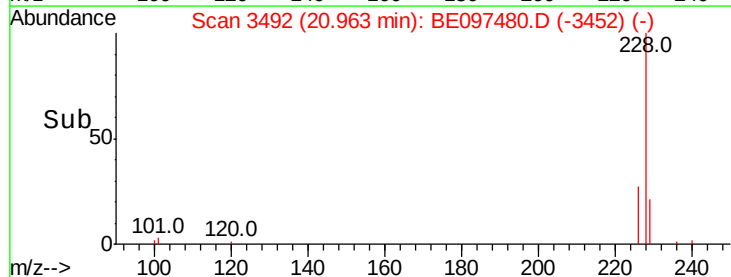
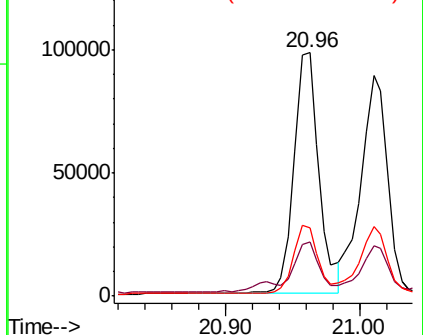


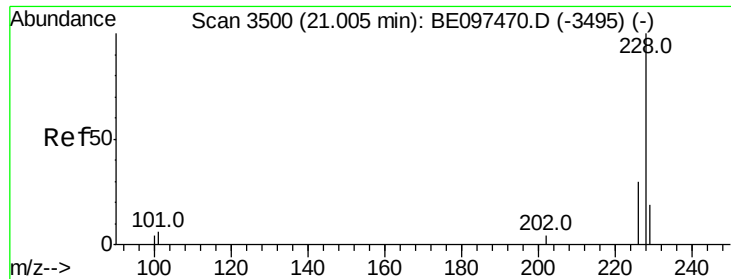
#18
Benzo(a)anthracene
Concen: 3.750 ng/ul
RT: 20.96 min Scan# 3492
Delta R.T. 0.01 min
Lab File: BE097480.D
Acq: 13 Sep 2018 9:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.2	22.8	34.2#
226	28.1	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: 3.171 ng/ul

RT: 21.01 min Scan# 3501

Delta R.T. 0.01 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

Instrument :

BNA_E

ClientSampleId :

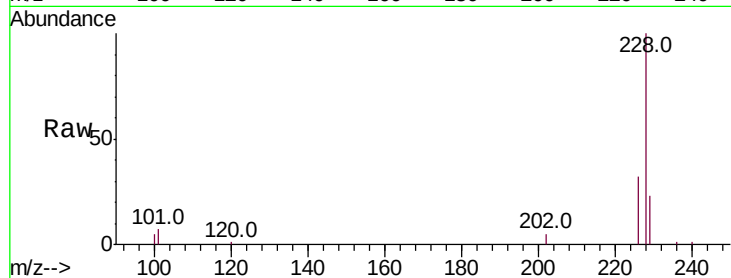
Tot Ion:228 Resp: 123317

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

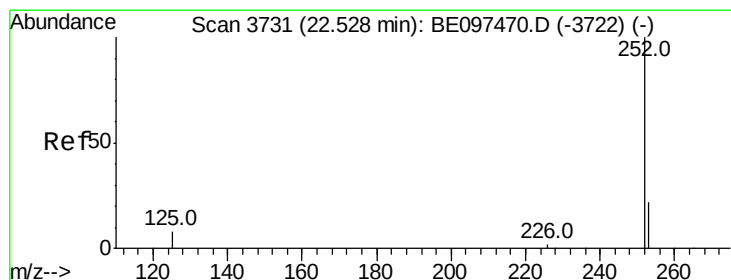
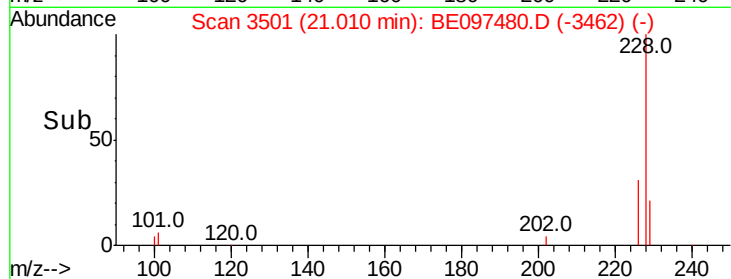
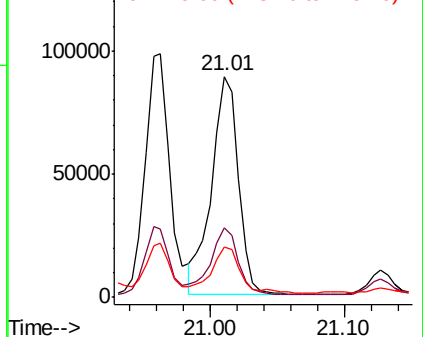
229 22.6 17.7 26.5



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: 5.247 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

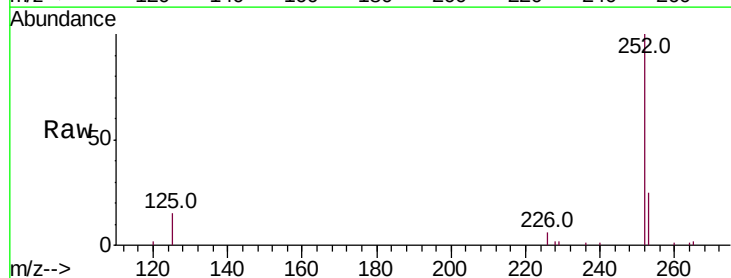
Tgt Ion:252 Resp: 180062

Ion Ratio Lower Upper

252 100

253 24.7 0.0 64.2

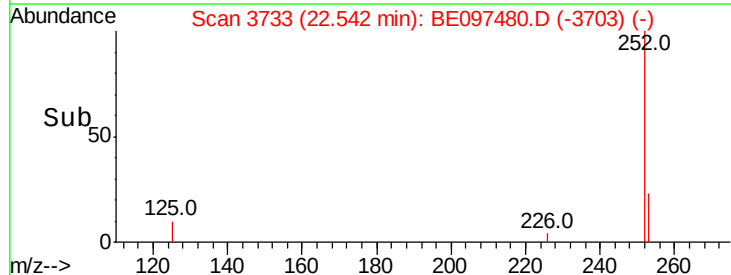
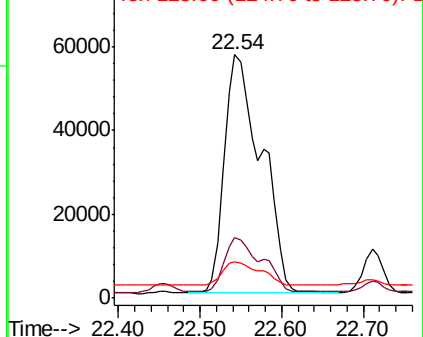
125 15.0 0.0 35.0

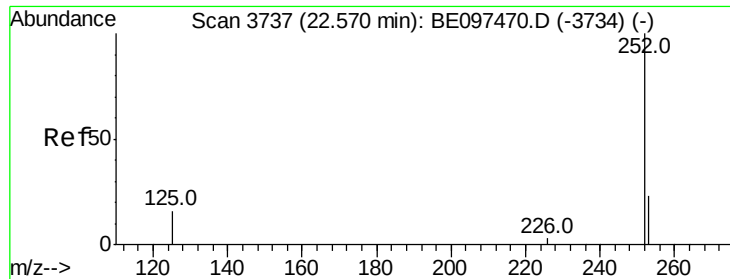


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 4.705 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. -0.03 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

Instrument :

BNA_E

ClientSampleId :

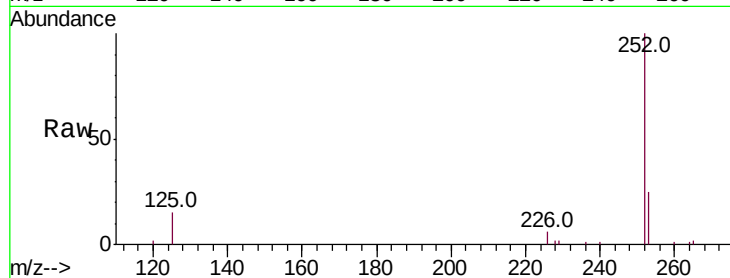
Tot Ion:252 Resp: 180062

Ion Ratio Lower Upper

252 100

253 24.7 24.5 36.7

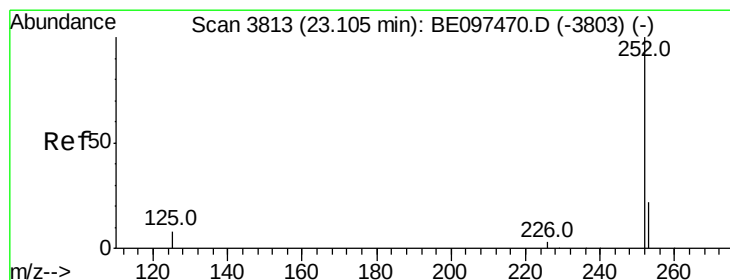
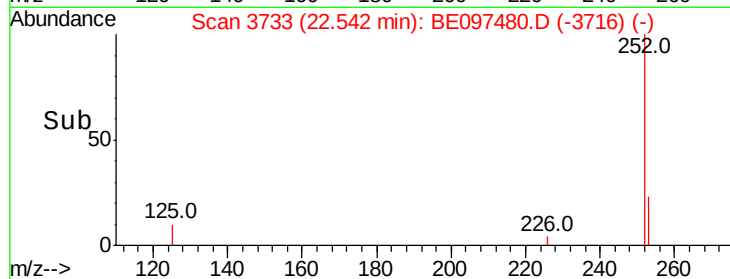
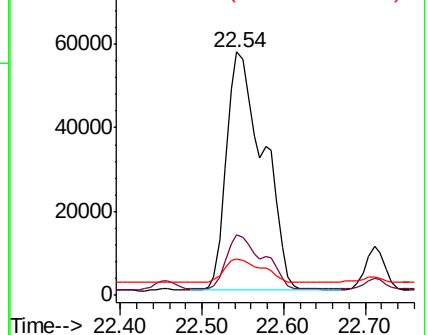
125 15.0 13.7 20.5



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: 3.426 ng/ul

RT: 23.11 min Scan# 3814

Delta R.T. 0.01 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

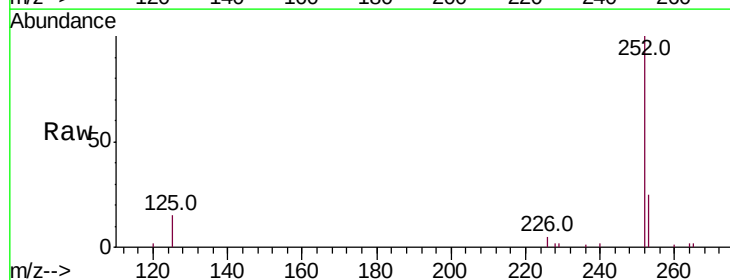
Tgt Ion:252 Resp: 108786

Ion Ratio Lower Upper

252 100

253 24.9 28.5 42.7#

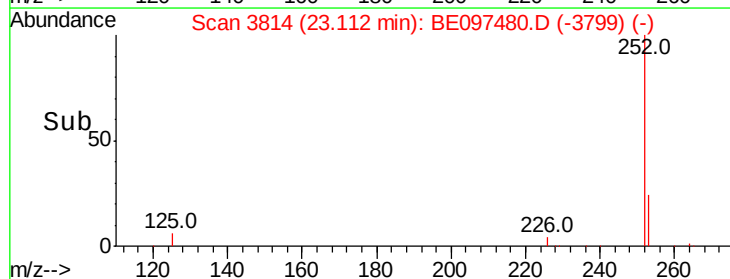
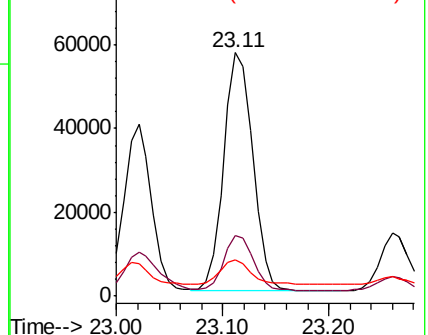
125 14.8 18.1 27.1#

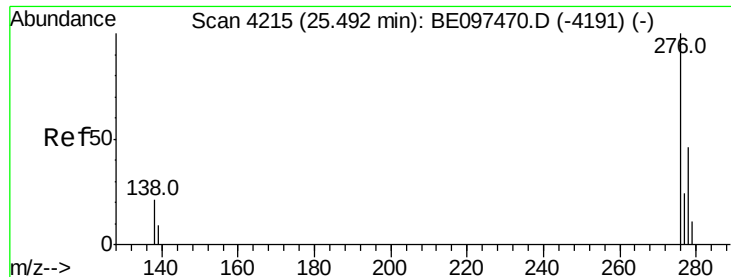


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.824 ng/ul

RT: 25.51 min Scan# 4221

Delta R.T. 0.02 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

Instrument :

BNA_E

ClientSampleId :

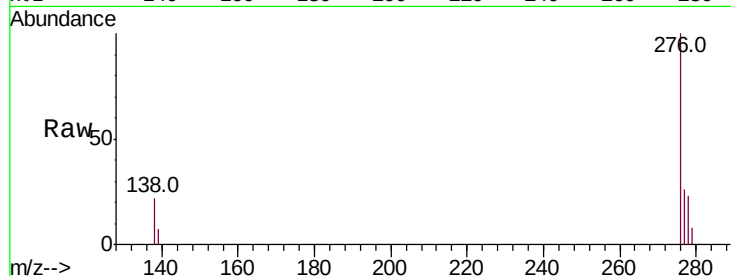
Tot Ion:276 Resp: 75075

Ion Ratio Lower Upper

276 100

138 22.7 28.0 42.0#

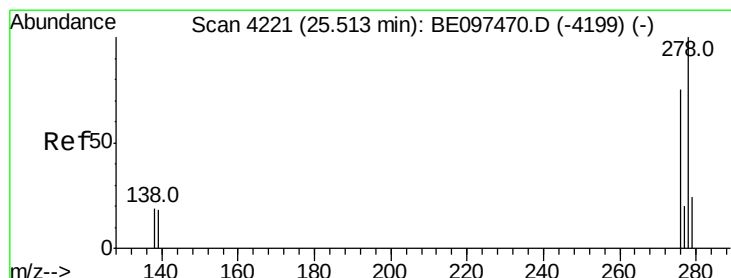
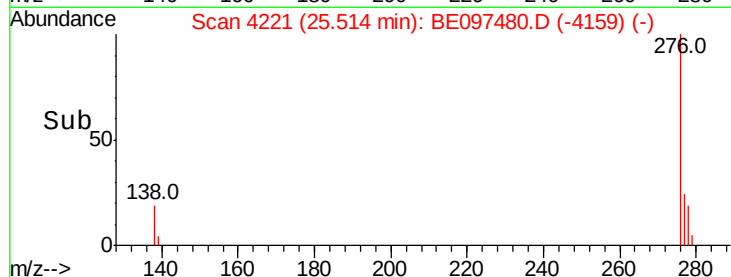
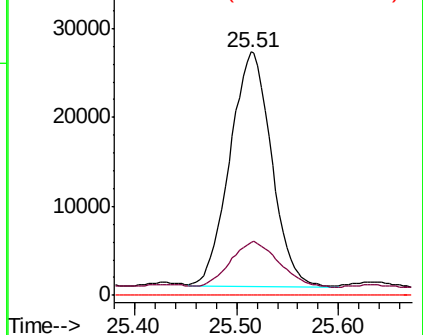
227 0.0 8.0 12.0#



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: 0.584 ng/ul

RT: 25.52 min Scan# 4223

Delta R.T. 0.01 min

Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

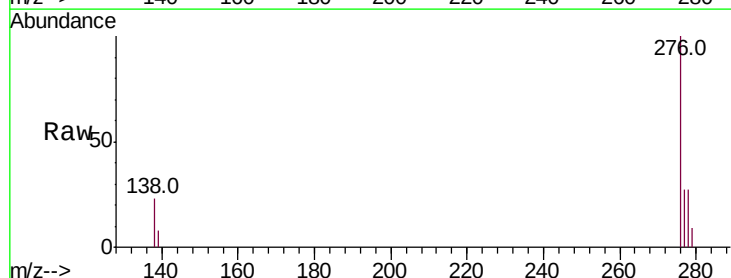
Tgt Ion:278 Resp: 20357

Ion Ratio Lower Upper

278 100

139 29.4 17.4 26.0#

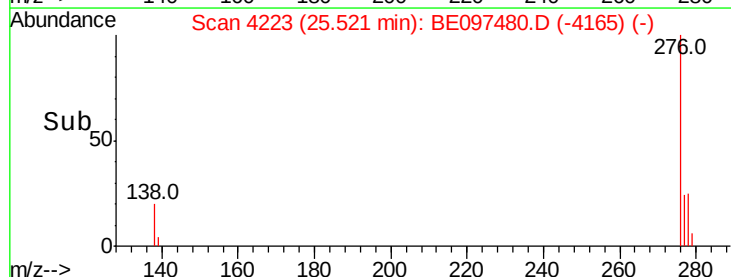
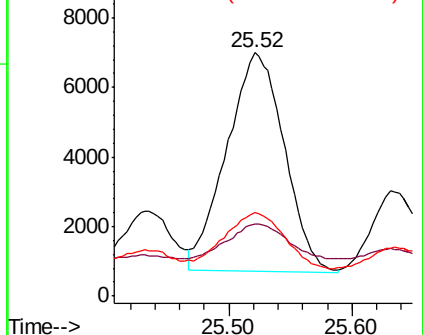
279 34.1 25.9 38.9

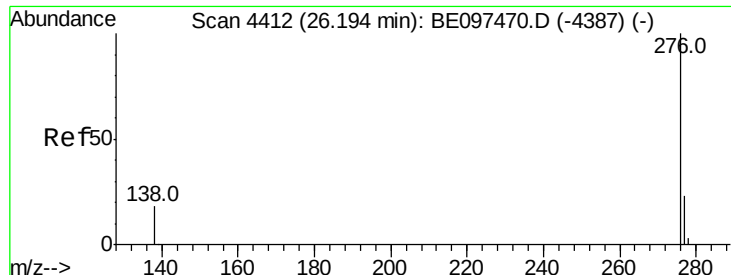


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 2.015 ng/ul

RT: 26.22 min Scan# 4419

Delta R.T. 0.03 min

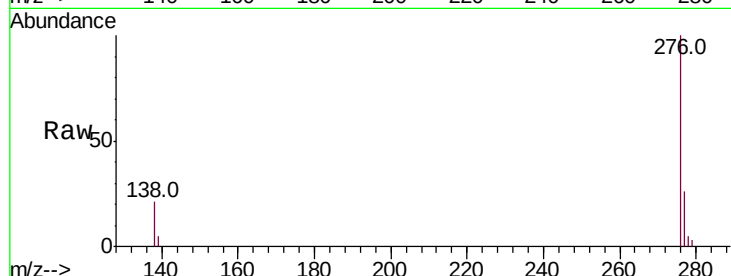
Lab File: BE097480.D

Acq: 13 Sep 2018 9:14

Instrument :

BNA_E

ClientSampleId :



Tot Ion:	276	Resp:	70702
Ion	Ratio	Lower	Upper
276	100		
138	21.3	21.8	32.8#
277	26.4	20.5	30.7

