

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062018\  
 Data File : BE096833.D  
 Acq On : 20 Jun 2018 14:22  
 Operator : SJ/JU  
 Sample : SSTDICC0.8  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.8

Quant Time: Jun 20 15:00:30 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 20 14:13:32 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 2745     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.16 | 136  | 13782    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.03 | 164  | 7785     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.78 | 188  | 21316    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.98 | 240  | 17914    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.22 | 264  | 13822    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.05  | 112 | 4558   | 0.69 | ng | 0.00 |
| 5) Phenol-d6                | 6.59  | 99  | 6872   | 0.69 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.53  | 82  | 6327   | 0.70 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.73 | 152 | 14786  | 0.69 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.52 | 330 | 1348   | 0.67 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.64 | 172 | 21203  | 0.69 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.82 | 212 | 135472 | 0.66 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.44 | 244 | 26048  | 0.70 | ng | 0.00 |

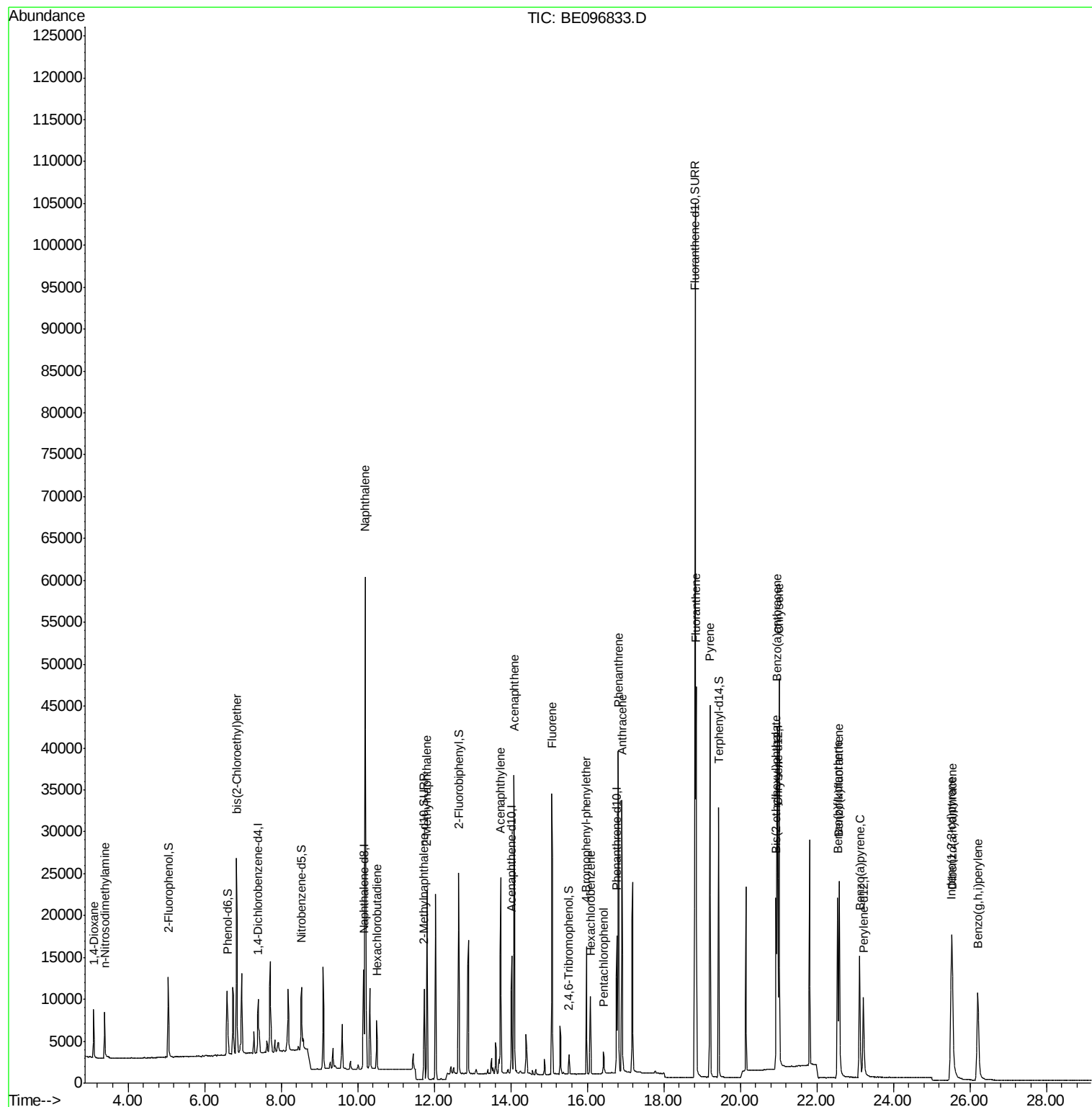
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.09  | 88  | 3206  | 0.724  | ng | # 88 |
| 3) n-Nitrosodimethylamine      | 3.38  | 42  | 3623  | 0.768  | ng | # 86 |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93  | 7571  | 0.702  | ng | 97   |
| 9) Naphthalene                 | 10.20 | 128 | 92308 | 0.685  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.50 | 225 | 3839  | 0.686  | ng | 96   |
| 12) 2-Methylnaphthalene        | 11.81 | 142 | 15539 | 0.694  | ng | 100  |
| 16) Acenaphthylene             | 13.74 | 152 | 25135 | 0.688  | ng | 100  |
| 17) Acenaphthene               | 14.08 | 154 | 16617 | 0.686  | ng | 95   |
| 18) Fluorene                   | 15.07 | 166 | 19309 | 0.677  | ng | # 79 |
| 20) 4-Bromophenyl-phenylether  | 15.98 | 248 | 7079  | 0.680  | ng | # 85 |
| 21) Hexachlorobenzene          | 16.09 | 284 | 7753  | 0.650  | ng | # 79 |
| 22) Pentachlorophenol          | 16.43 | 266 | 1431  | 0.660  | ng | # 71 |
| 23) Phenanthrene               | 16.81 | 178 | 37962 | 0.667  | ng | 98   |
| 24) Anthracene                 | 16.90 | 178 | 32336 | 0.687  | ng | 96   |
| 26) Fluoranthene               | 18.84 | 202 | 40755 | 0.670  | ng | 99   |
| 28) Pyrene                     | 19.21 | 202 | 38473 | 0.687  | ng | 99   |
| 30) Benzo(a)anthracene         | 20.97 | 228 | 30224 | 0.702  | ng | 96   |
| 31) Chrysene                   | 21.02 | 228 | 37090 | 0.700  | ng | 100  |
| 32) Bis(2-ethylhexyl)phthalate | 20.93 | 149 | 24430 | 0.603  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.51 | 276 | 27469 | 0.696  | ng | 96   |
| 35) Benzo(b)fluoranthene       | 22.54 | 252 | 28422 | 0.686  | ng | # 88 |
| 36) Benzo(k)fluoranthene       | 22.59 | 252 | 32782 | 0.700  | ng | 96   |
| 37) Benzo(a)pyrene             | 23.12 | 252 | 23456 | 0.675  | ng | # 93 |
| 38) Dibenzo(a,h)anthracene     | 25.54 | 278 | 23549 | 0.697  | ng | 95   |
| 39) Benzo(g,h,i)perylene       | 26.21 | 276 | 25199 | 0.686  | ng | 92   |

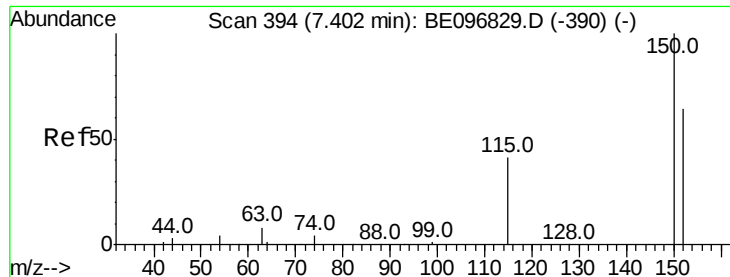
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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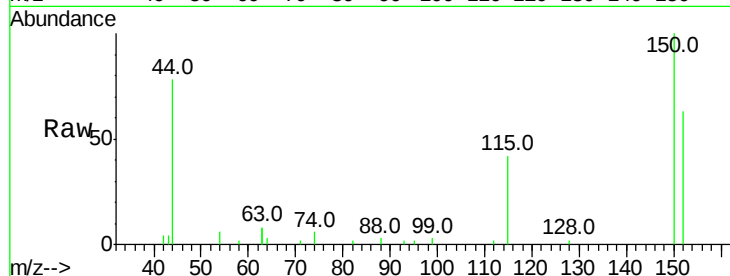


#1

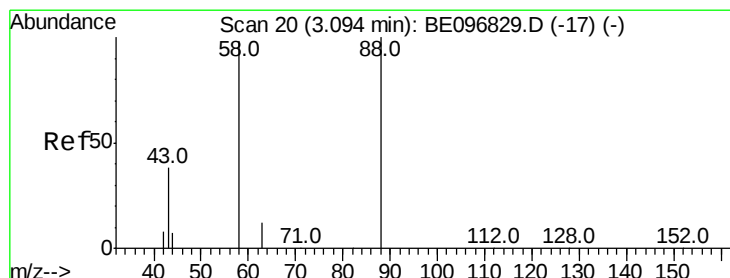
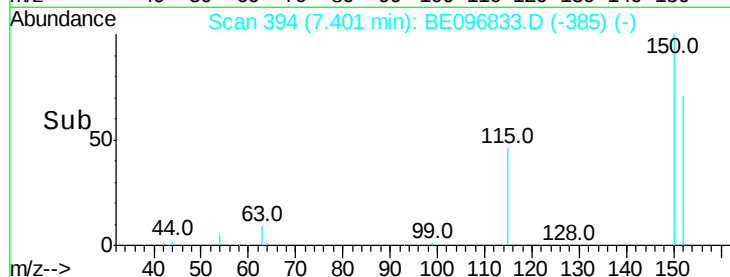
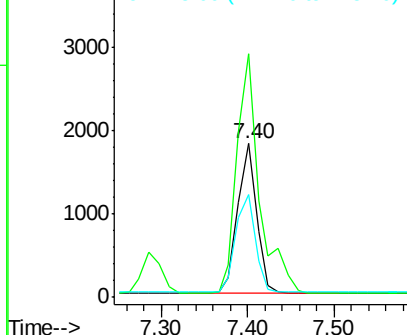
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 394  
Delta R.T. -0.00 min  
Lab File: BE096833.D  
Acq: 20 Jun 2018 14:22

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

Tot Ion:152 Resp: 2745  
Ion Ratio Lower Upper  
152 100  
150 158.3 117.2 175.8  
115 66.5 57.0 85.6



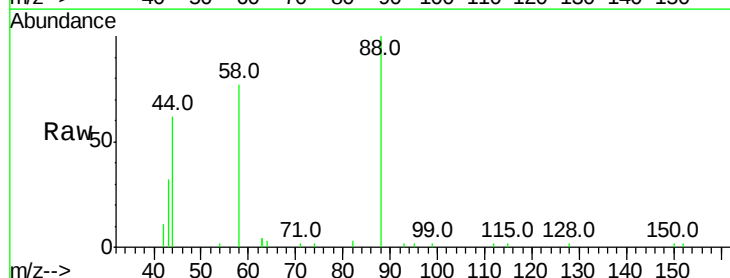
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



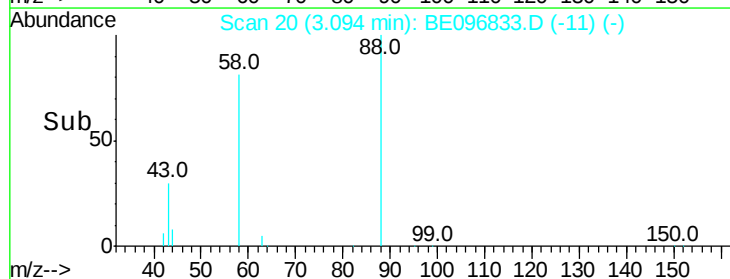
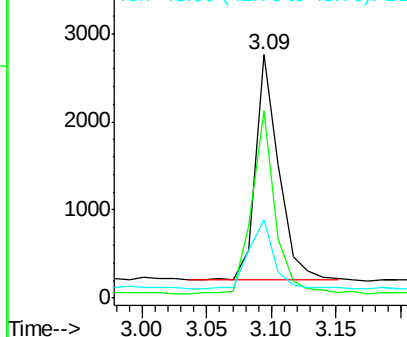
#2

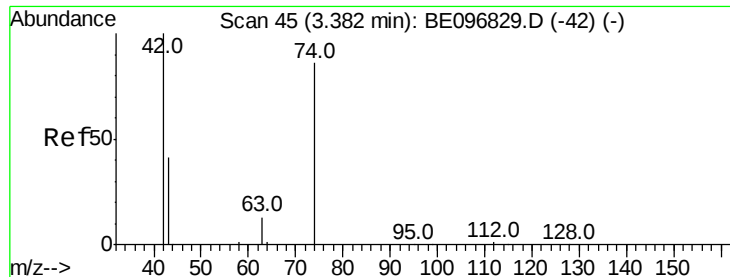
1,4-Dioxane  
Concen: 0.724 ng  
RT: 3.09 min Scan# 20  
Delta R.T. -0.00 min  
Lab File: BE096833.D  
Acq: 20 Jun 2018 14:22

Tgt Ion: 88 Resp: 3206  
Ion Ratio Lower Upper  
88 100  
58 80.3 63.2 94.8  
43 31.7 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.768 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

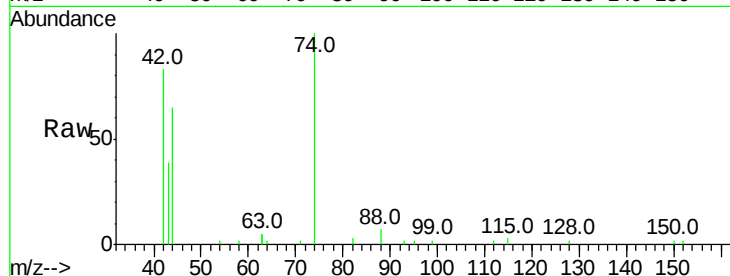
Tot Ion: 42 Resp: 3623

Ion Ratio Lower Upper

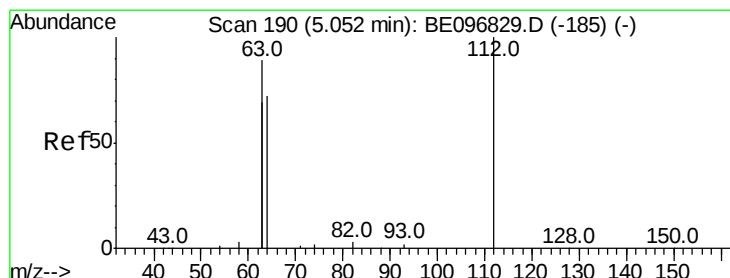
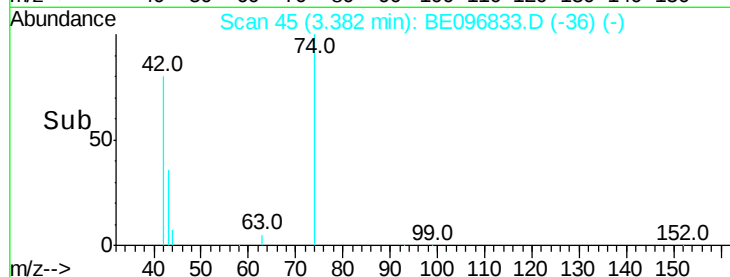
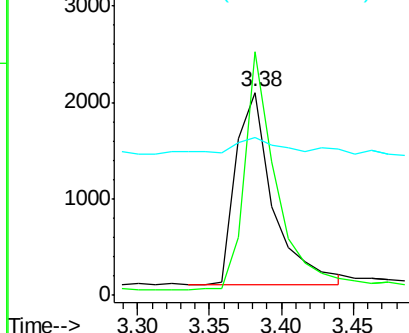
42 100

74 104.0 96.0 144.0

44 11.9 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.689 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

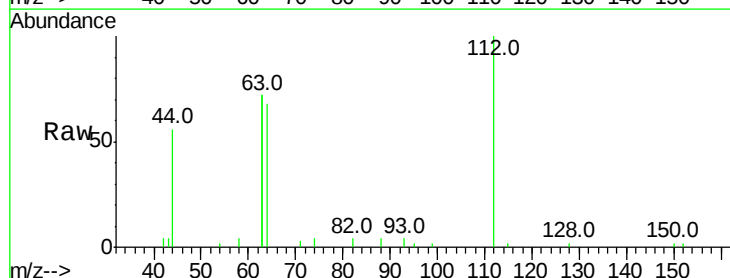
Tgt Ion: 112 Resp: 4558

Ion Ratio Lower Upper

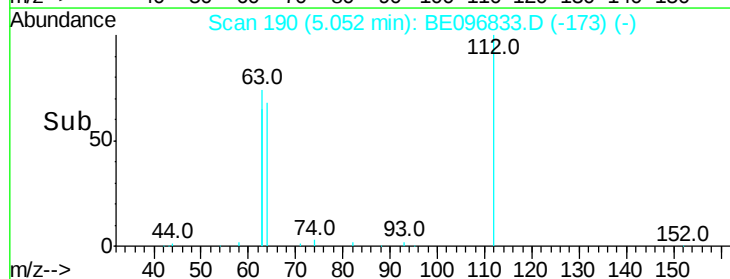
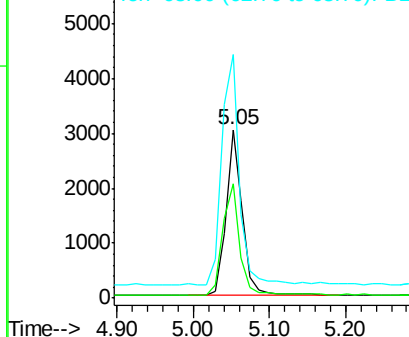
112 100

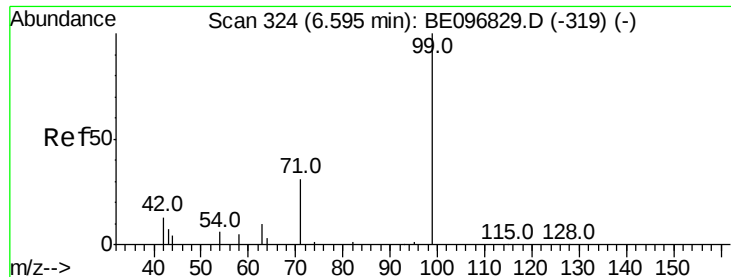
64 70.3 60.1 90.1

63 151.8 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.693 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

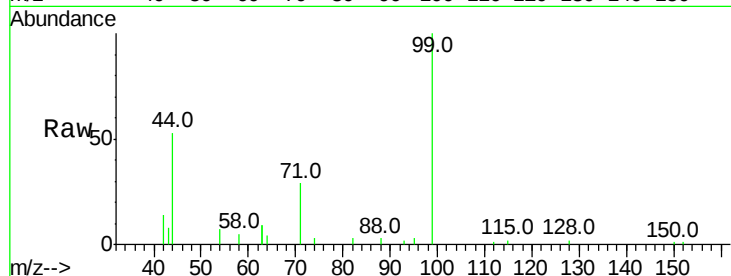
Tot Ion: 99 Resp: 6872

Ion Ratio Lower Upper

99 100

42 24.1 20.2 30.2

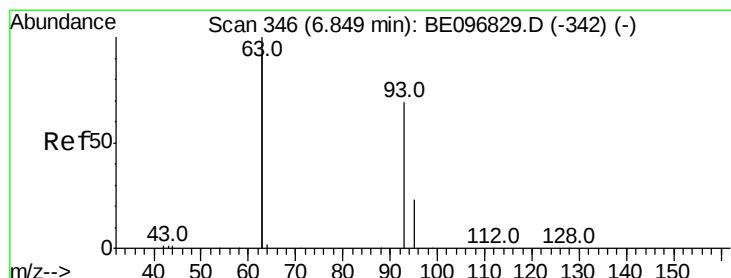
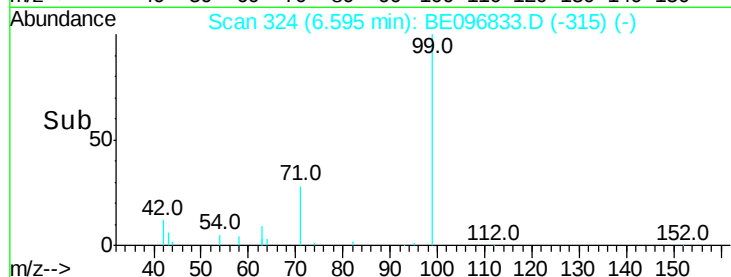
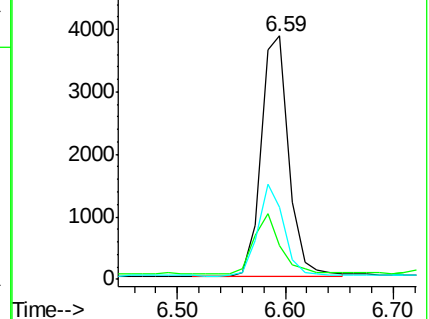
71 35.9 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.702 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.01 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

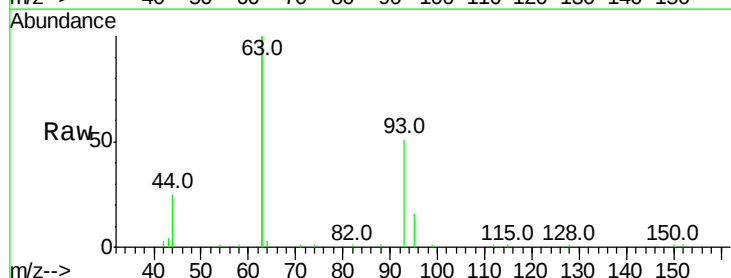
Tgt Ion: 93 Resp: 7571

Ion Ratio Lower Upper

93 100

63 337.0 275.3 412.9

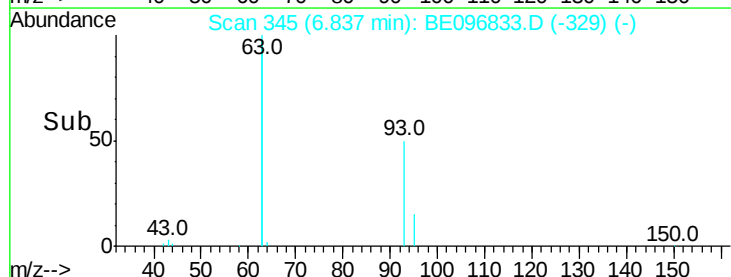
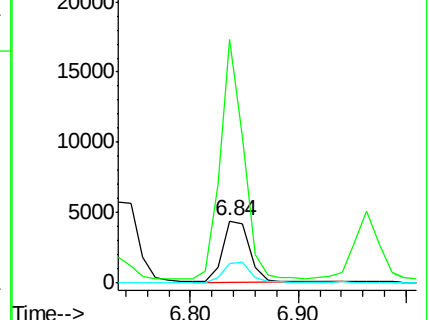
95 31.8 25.2 37.8

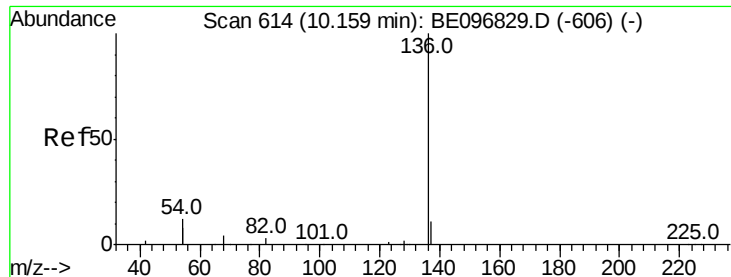


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

Tot Ion:136 Resp: 13782

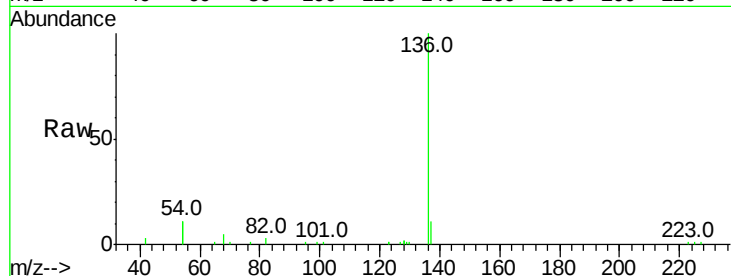
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 22.2 29.1 43.7#

68 4.6 6.2 9.2#

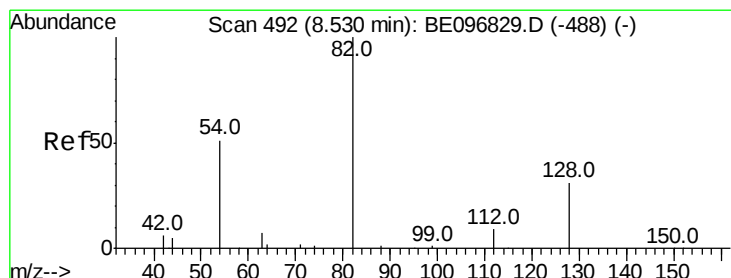
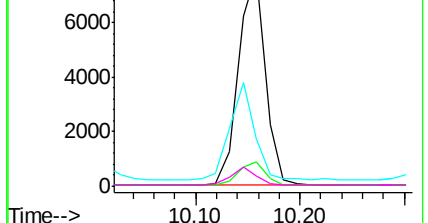
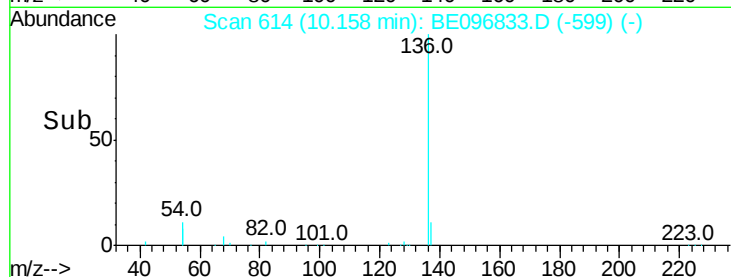


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.701 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

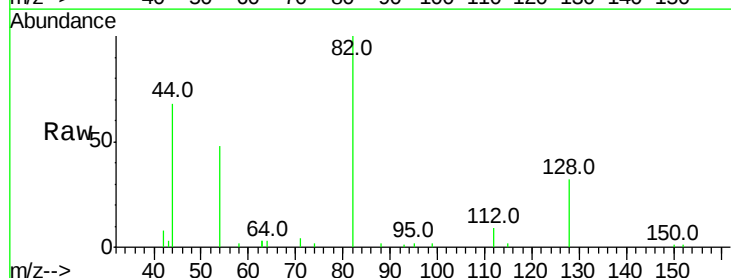
Tgt Ion: 82 Resp: 6327

Ion Ratio Lower Upper

82 100

128 32.2 24.0 36.0

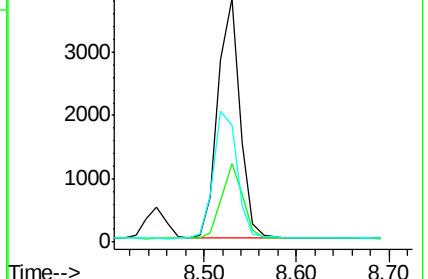
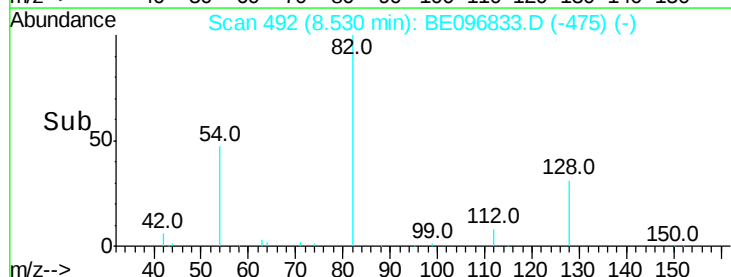
54 48.1 40.0 60.0

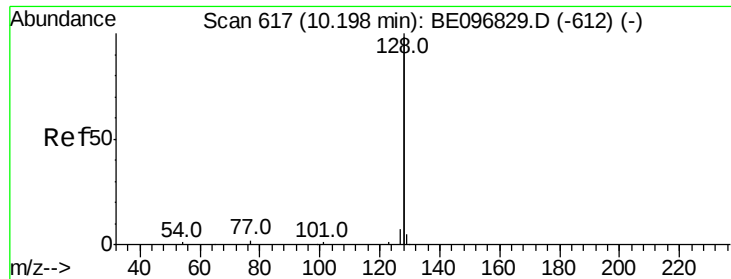


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.685 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

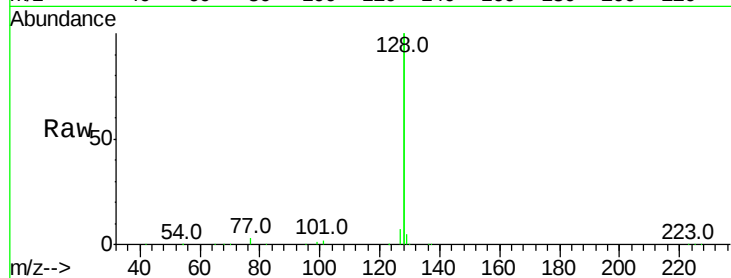
Tot Ion:128 Resp: 92308

Ion Ratio Lower Upper

128 100

129 2.7 2.6 3.8

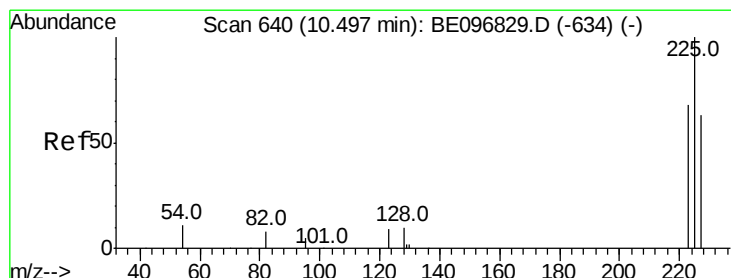
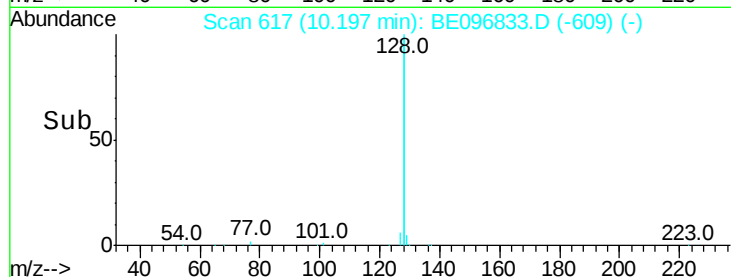
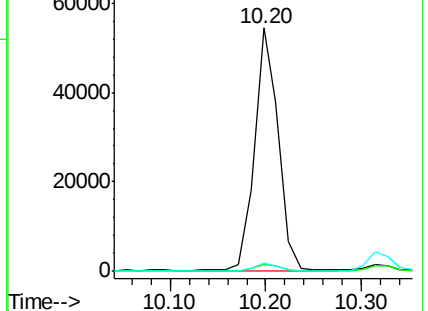
127 3.3 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.686 ng

RT: 10.50 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

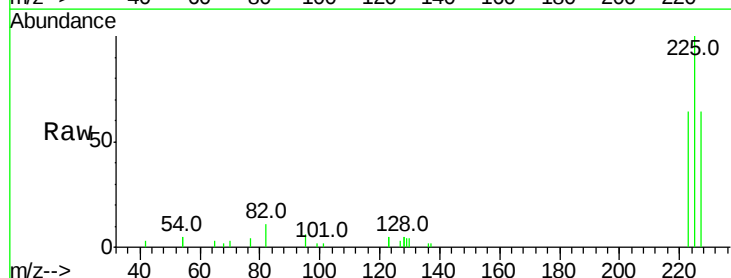
Tgt Ion:225 Resp: 3839

Ion Ratio Lower Upper

225 100

223 61.2 53.0 79.6

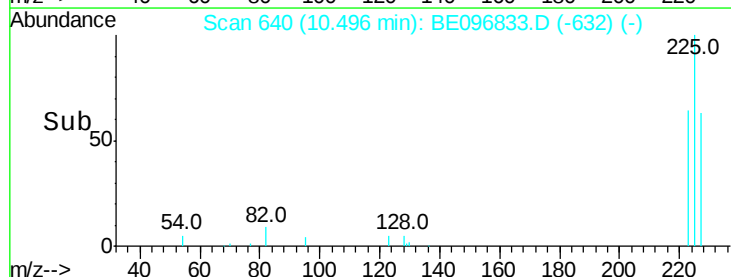
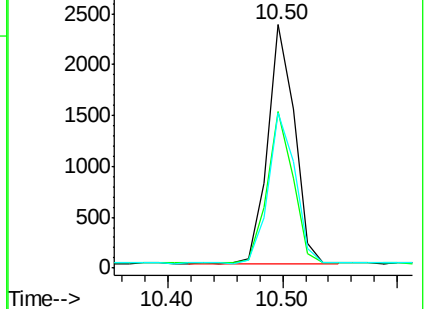
227 63.2 51.4 77.2

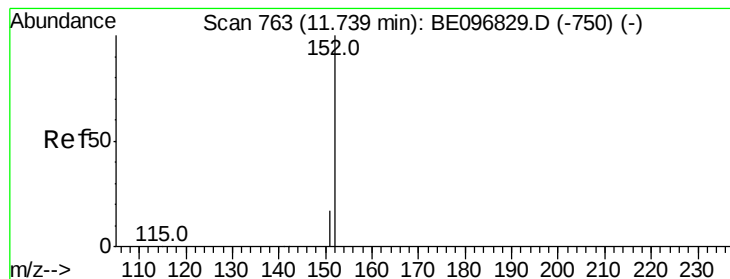


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.690 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

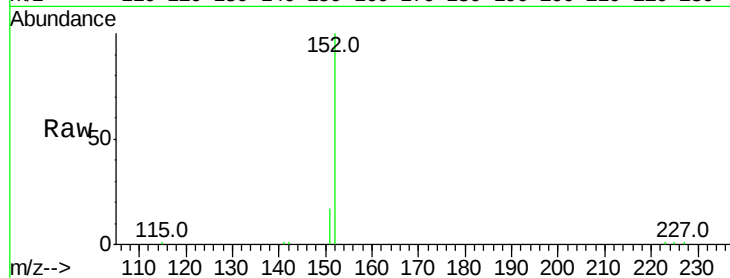
SSTDIC0.8

Tot Ion:152 Resp: 14786

Ion Ratio Lower Upper

152 100

151 19.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

10000

8000

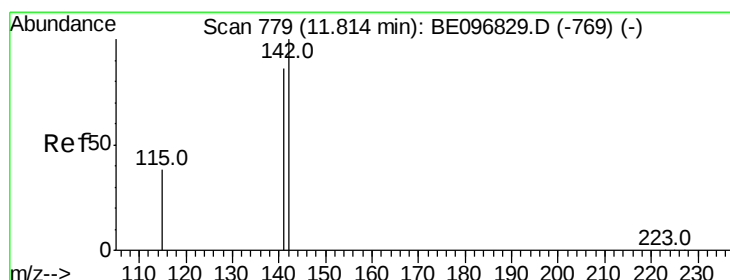
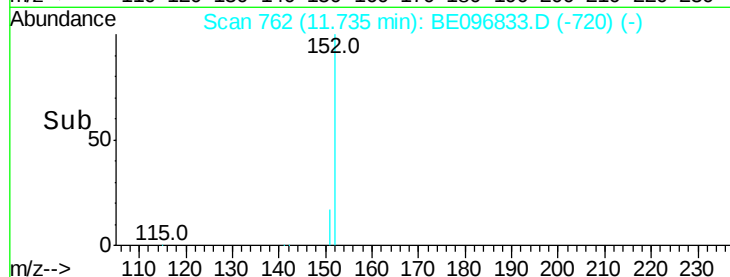
6000

4000

2000

0

Time--> 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.694 ng

RT: 11.81 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

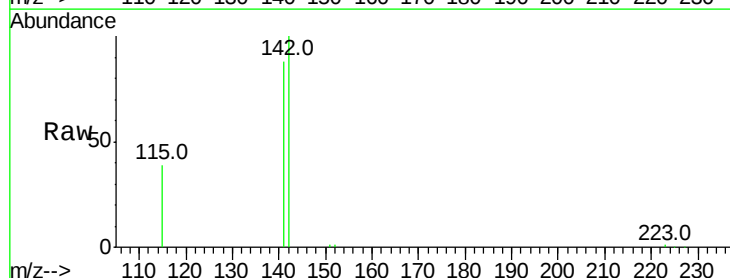
Tgt Ion:142 Resp: 15539

Ion Ratio Lower Upper

142 100

141 88.2 70.4 105.6

115 39.4 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

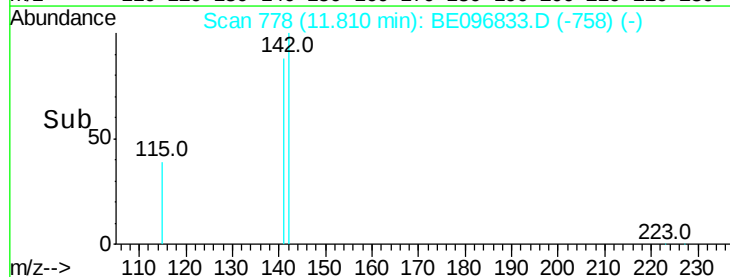
11.81

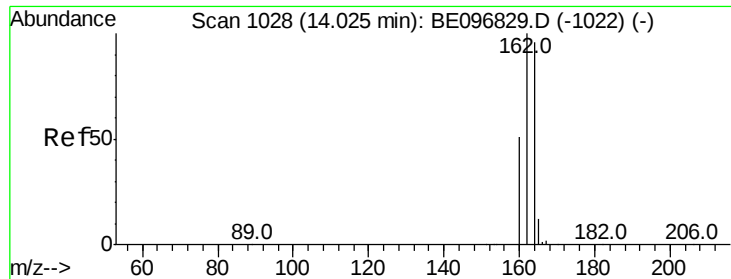
10000

5000

0

Time--> 11.80 11.90

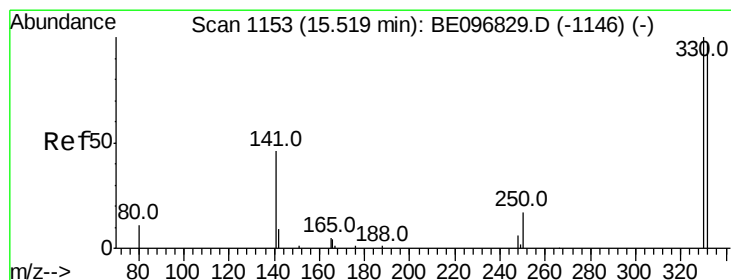
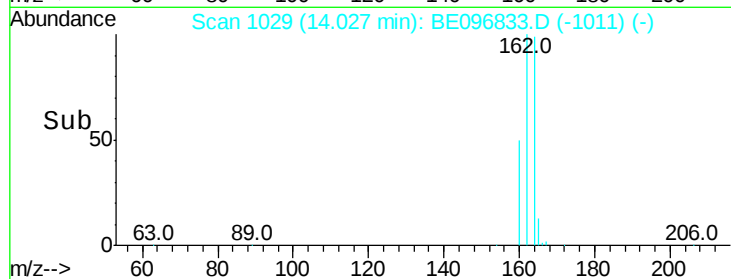
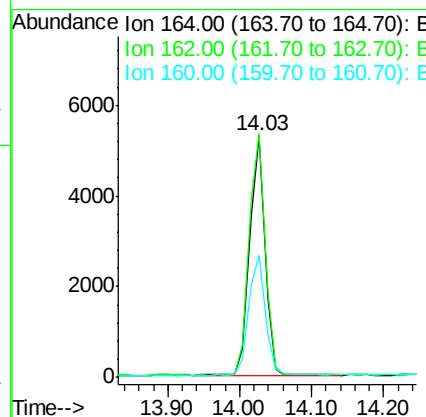
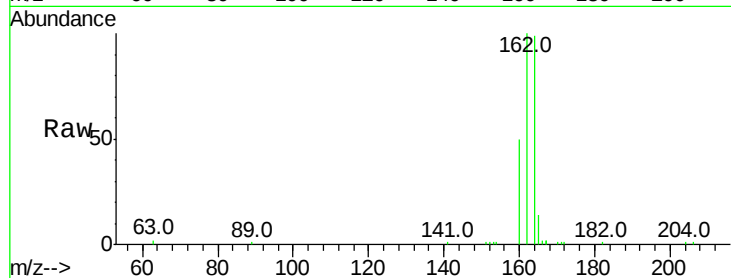




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.03 min Scan# 1029  
Delta R.T. 0.00 min  
Lab File: BE096833.D  
Acq: 20 Jun 2018 14:22

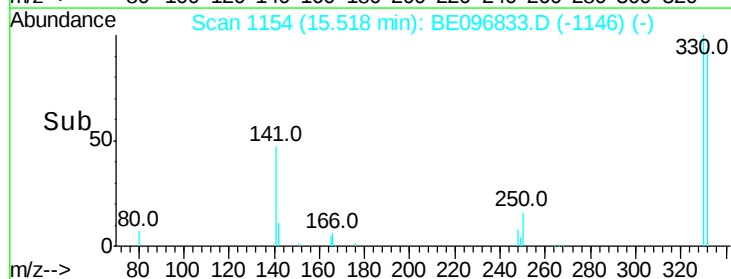
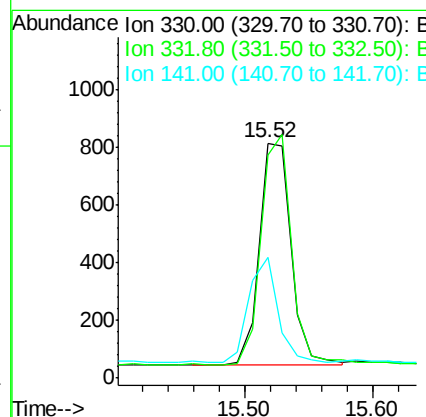
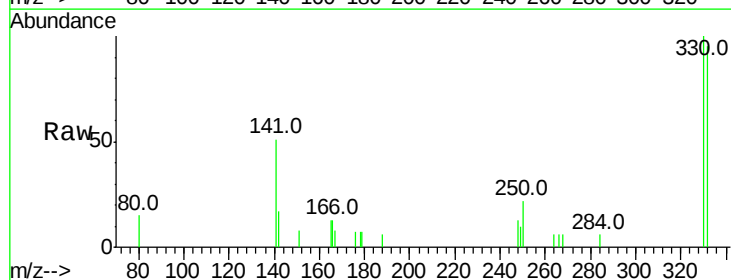
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

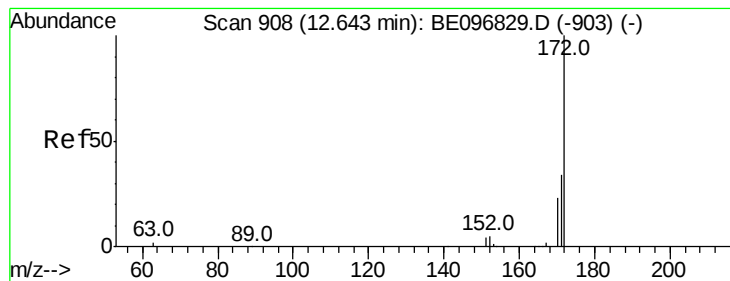
Tot Ion:164 Resp: 7785  
Ion Ratio Lower Upper  
164 100  
162 100.8 83.1 124.7  
160 50.5 37.1 55.7



#14  
2,4,6-Tribromophenol  
Concen: 0.669 ng  
RT: 15.52 min Scan# 1154  
Delta R.T. -0.00 min  
Lab File: BE096833.D  
Acq: 20 Jun 2018 14:22

Tgt Ion:330 Resp: 1348  
Ion Ratio Lower Upper  
330 100  
332 98.6 152.7 229.1#  
141 41.9 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.686 ng

RT: 12.64 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.8

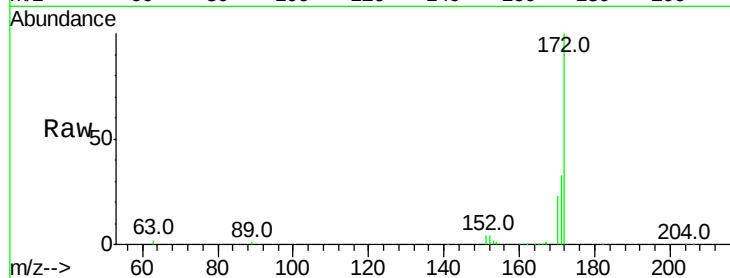
Tot Ion:172 Resp: 21203

Ion Ratio Lower Upper

172 100

171 33.2 29.9 44.9

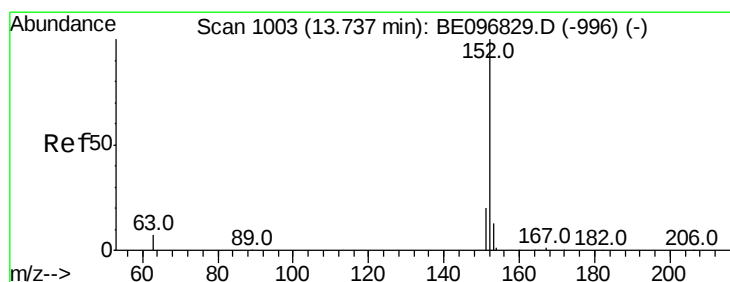
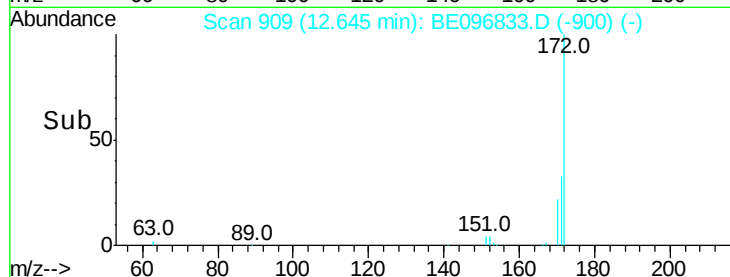
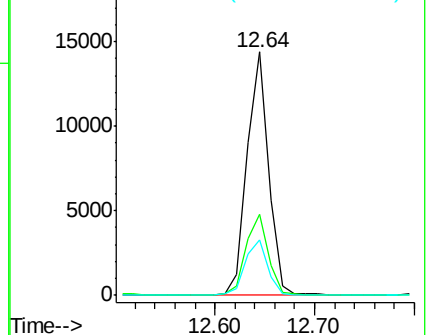
170 22.5 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.688 ng

RT: 13.74 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

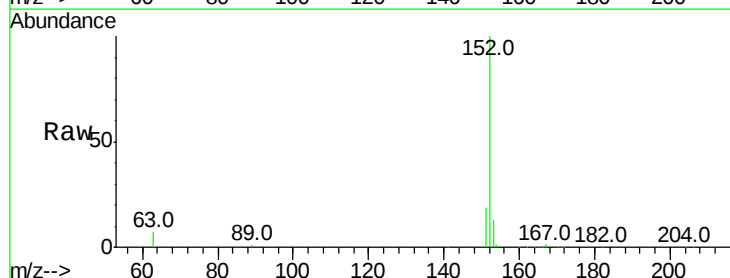
Tgt Ion:152 Resp: 25135

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

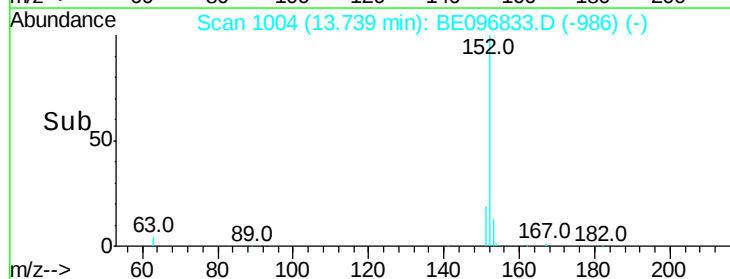
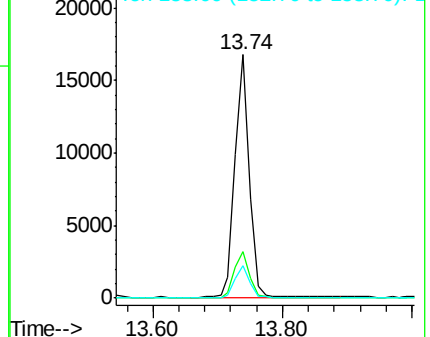
153 12.9 10.5 15.7

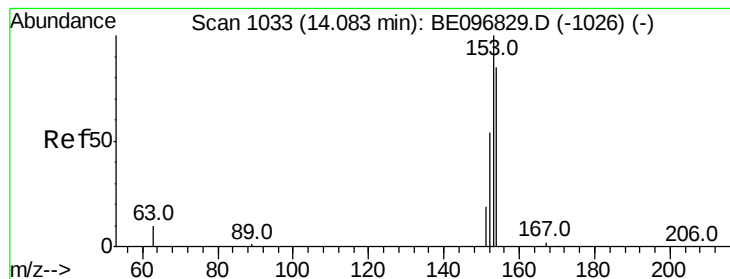


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.686 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

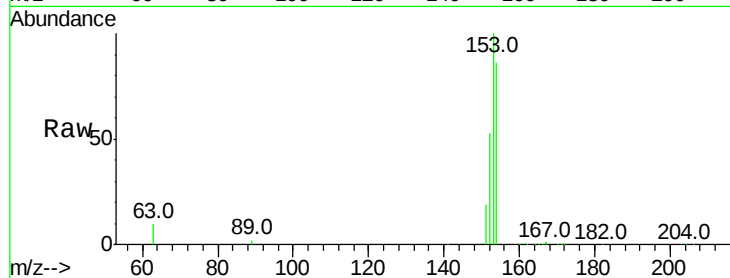
Tot Ion:154 Resp: 16617

Ion Ratio Lower Upper

154 100

153 114.0 89.2 133.8

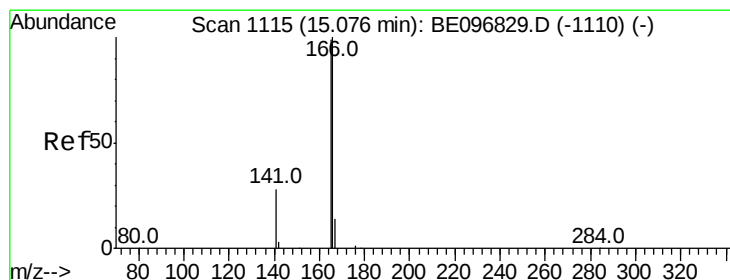
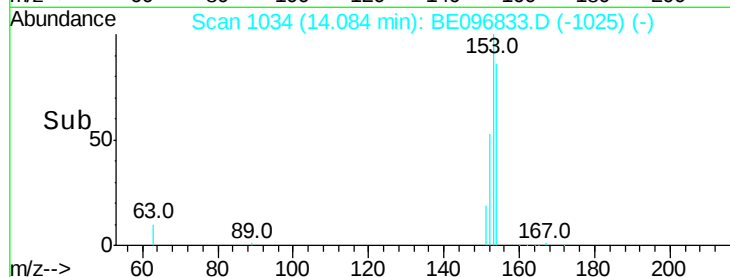
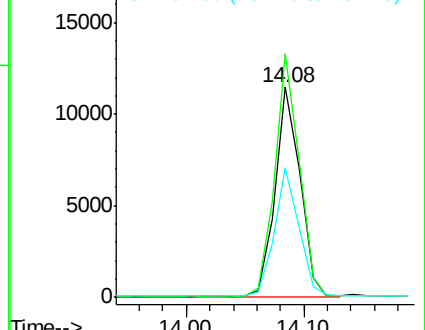
152 60.9 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.677 ng

RT: 15.07 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

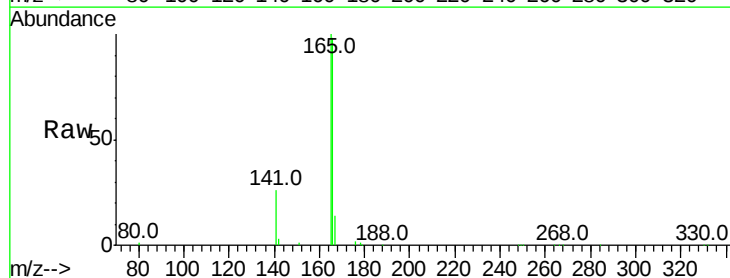
Tgt Ion:166 Resp: 19309

Ion Ratio Lower Upper

166 100

165 99.4 77.8 116.6

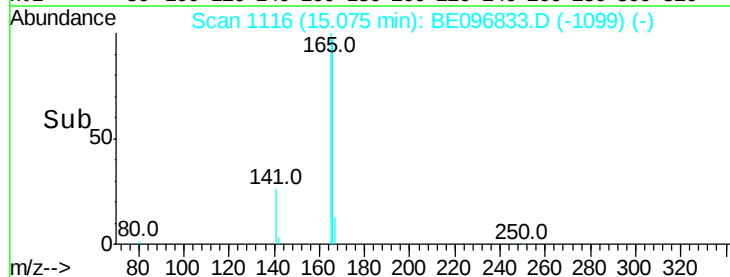
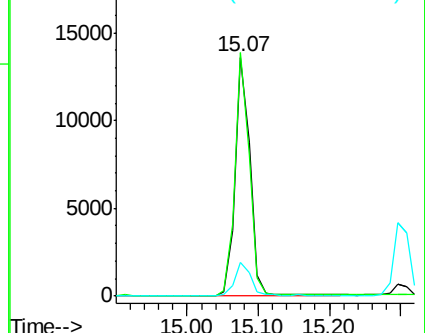
167 14.4 42.4 63.6#

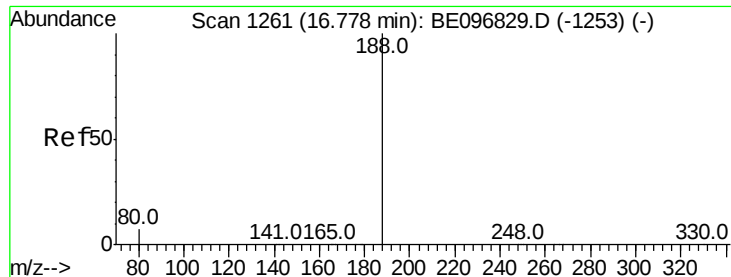


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

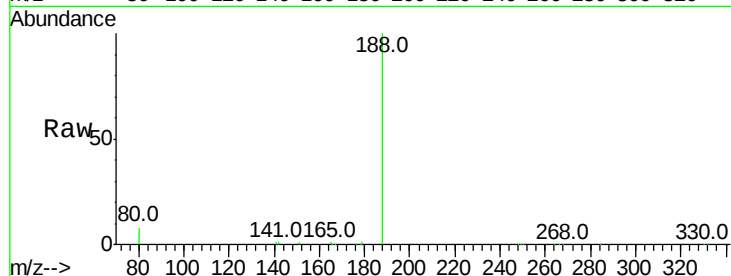
Tot Ion:188 Resp: 21316

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

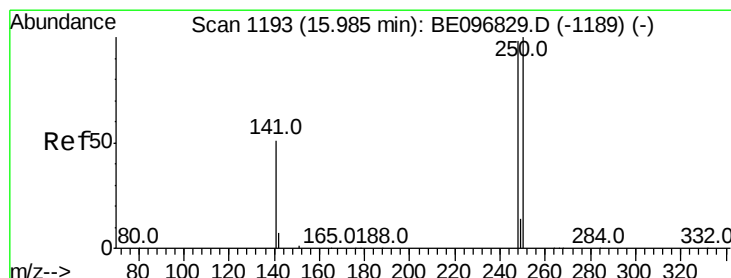
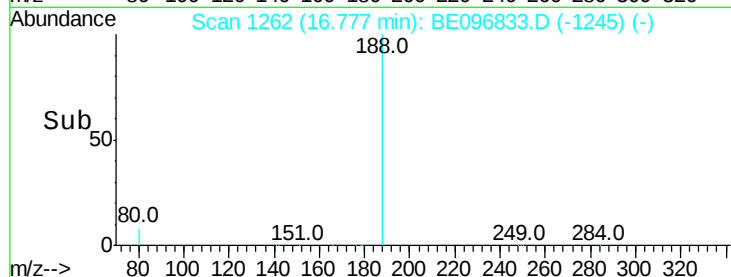
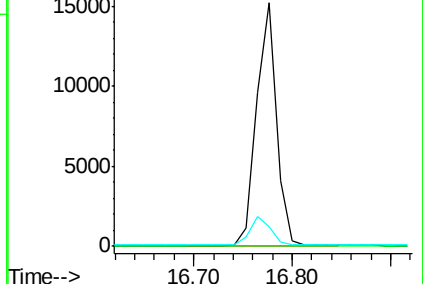
80 8.3 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.680 ng

RT: 15.98 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

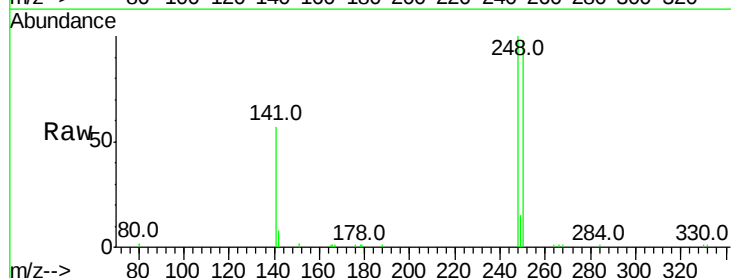
Tgt Ion:248 Resp: 7079

Ion Ratio Lower Upper

248 100

250 98.1 62.7 94.1#

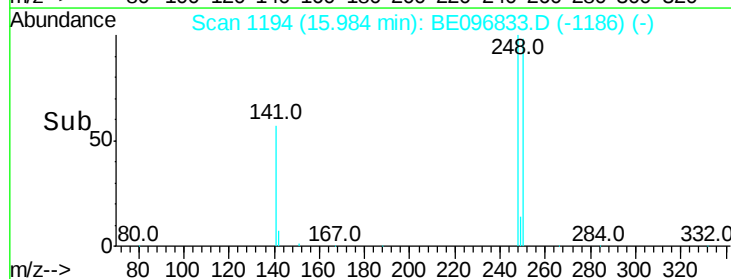
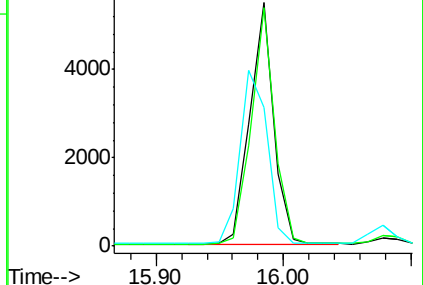
141 57.1 48.2 72.2

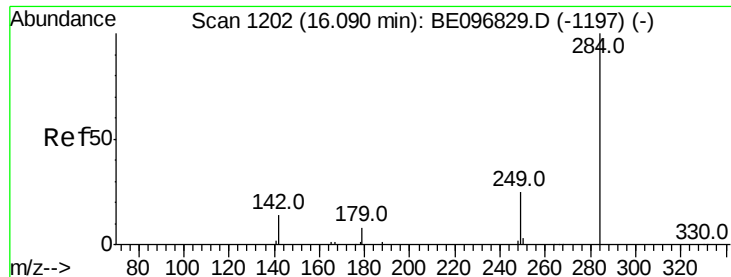


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

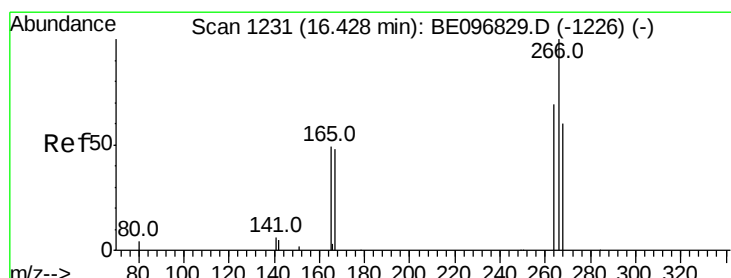
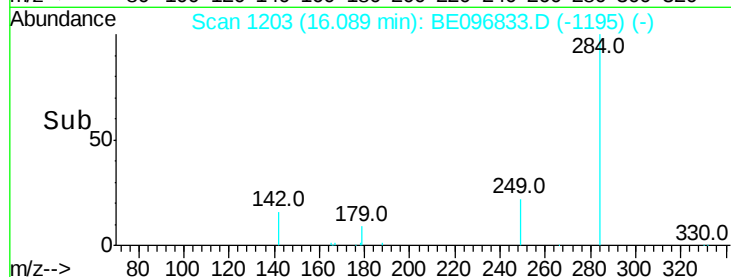
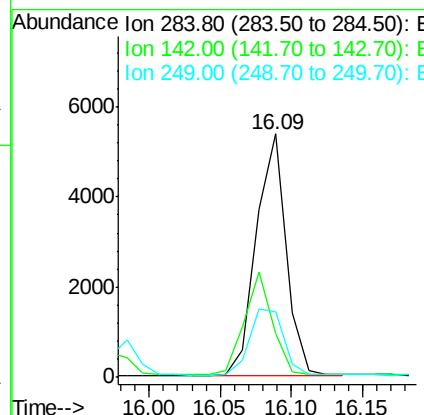
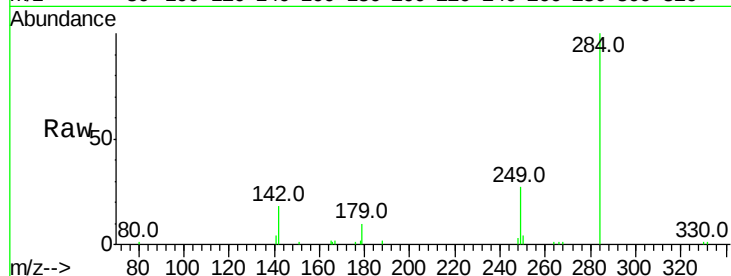




#21  
Hexachlorobenzene  
Concen: 0.650 ng  
RT: 16.09 min Scan# 1203  
Delta R.T. -0.00 min  
Lab File: BE096833.D  
Acq: 20 Jun 2018 14:22

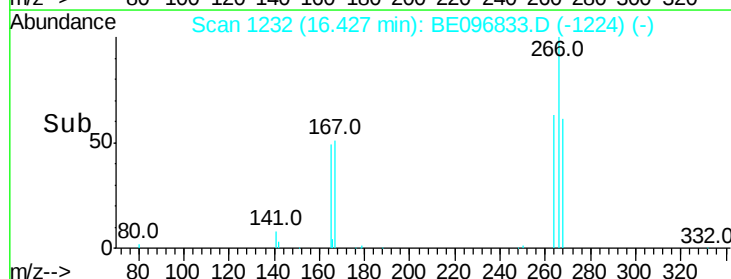
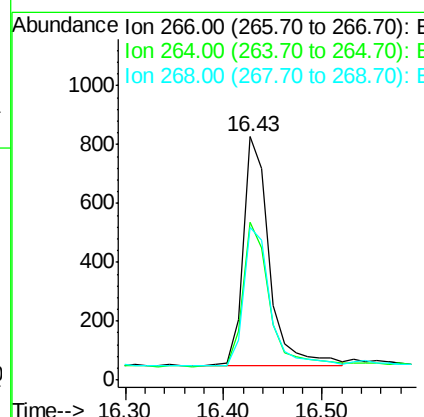
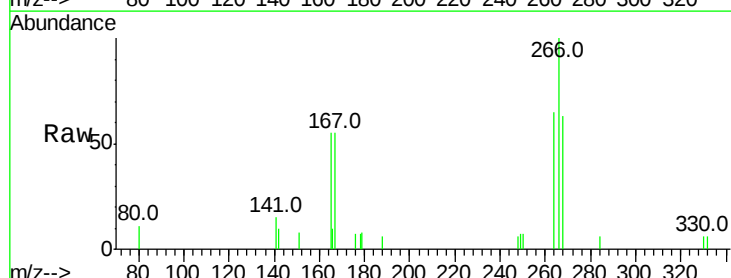
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

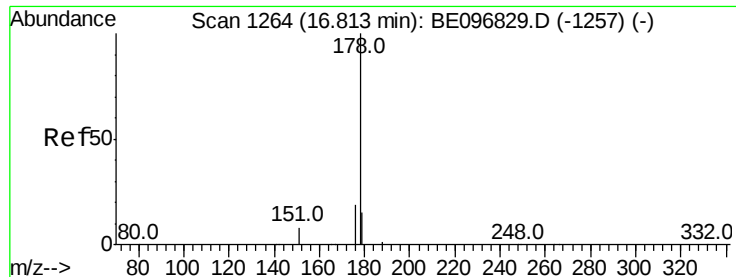
Tot Ion:284 Resp: 7753  
Ion Ratio Lower Upper  
284 100  
142 40.3 22.1 33.1#  
249 31.5 34.8 52.2#



#22  
Pentachlorophenol  
Concen: 0.660 ng  
RT: 16.43 min Scan# 1232  
Delta R.T. -0.00 min  
Lab File: BE096833.D  
Acq: 20 Jun 2018 14:22

Tgt Ion:266 Resp: 1431  
Ion Ratio Lower Upper  
266 100  
264 64.9 72.5 108.7#  
268 62.9 73.8 110.6#





#23

Phenanthrene

Concen: 0.667 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

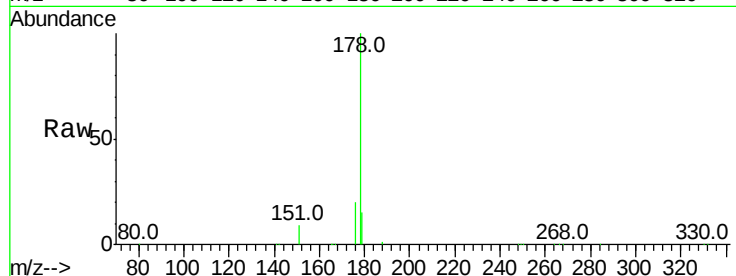
Tot Ion:178 Resp: 37962

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

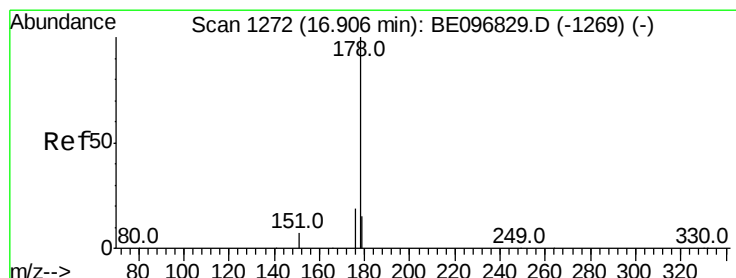
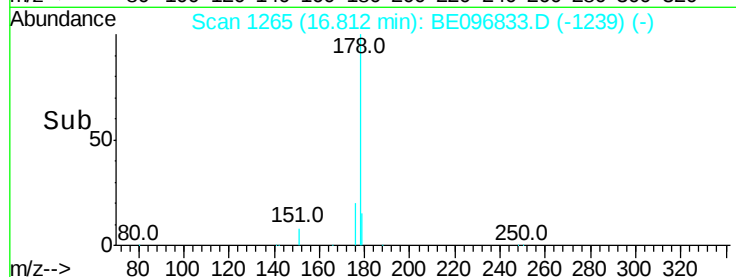
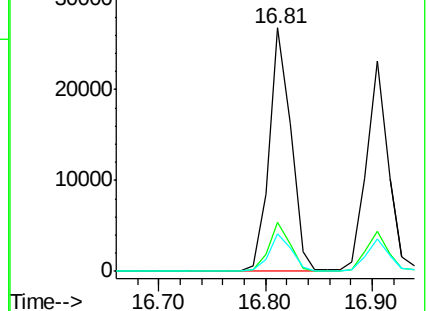
179 15.4 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.687 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

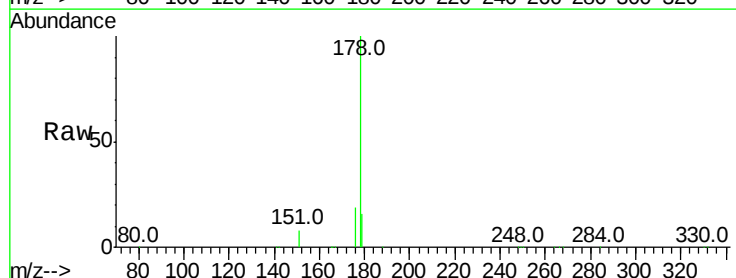
Tgt Ion:178 Resp: 32336

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

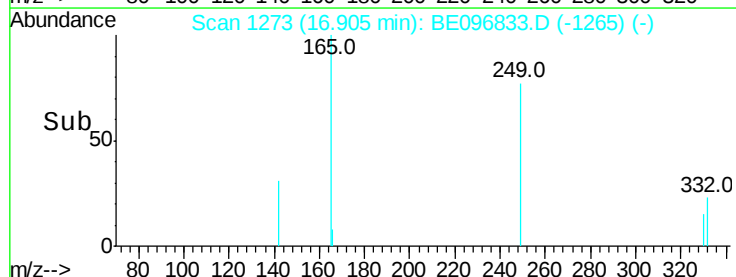
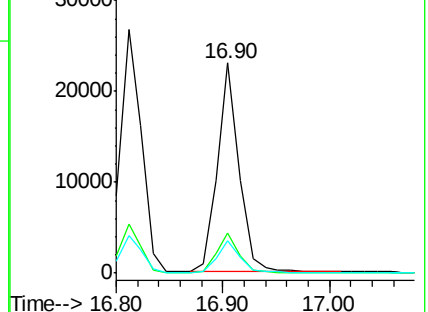
179 15.3 13.0 19.6

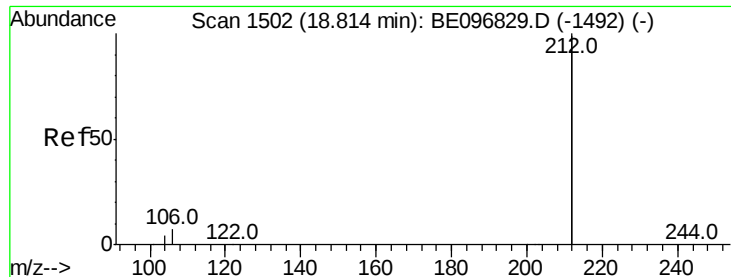


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.662 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

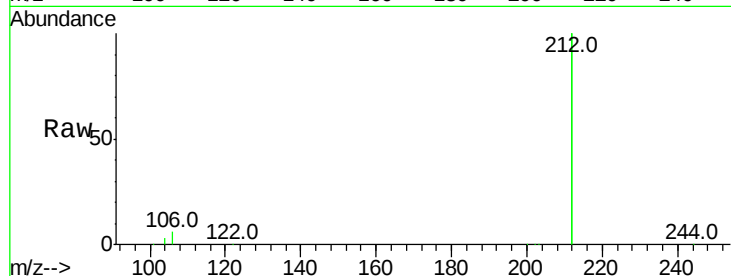
Tot Ion:212 Resp: 135472

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

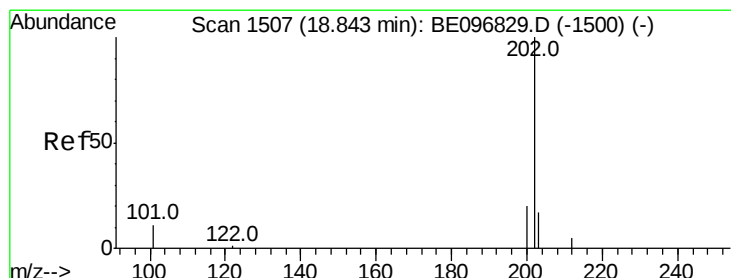
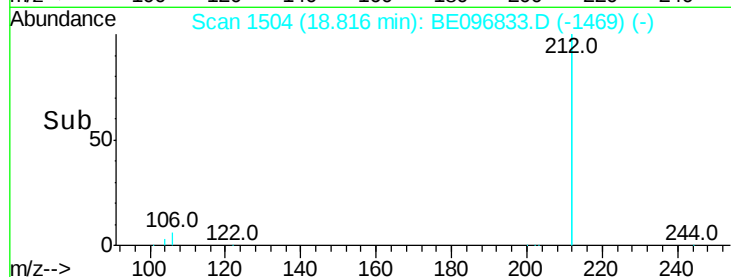
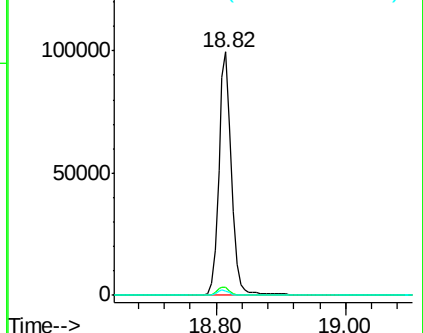
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.670 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

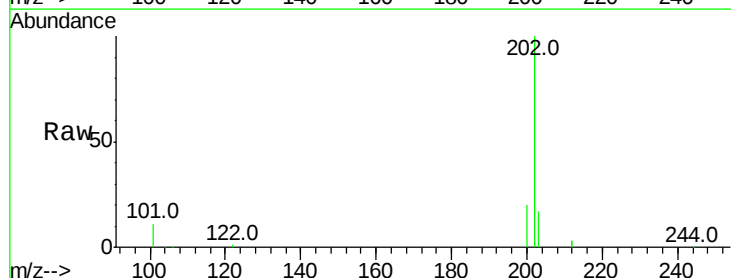
Tgt Ion:202 Resp: 40755

Ion Ratio Lower Upper

202 100

101 11.5 9.8 14.8

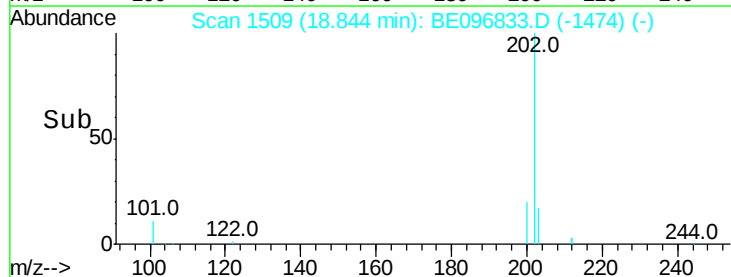
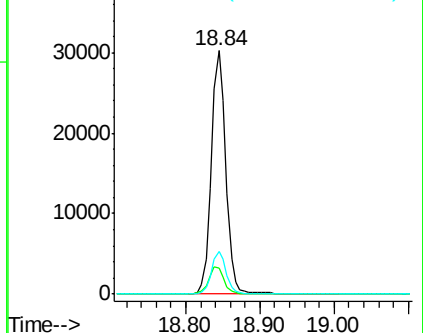
203 17.3 13.7 20.5

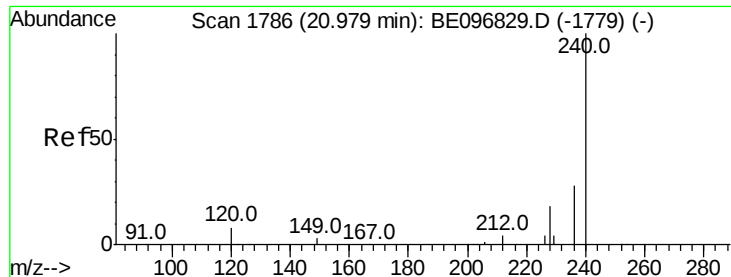


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

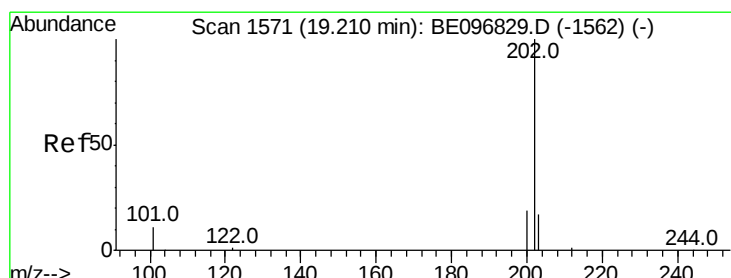
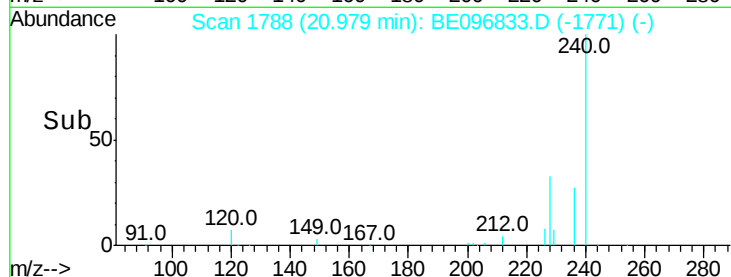
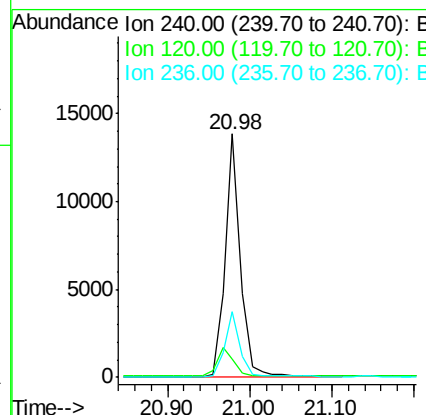
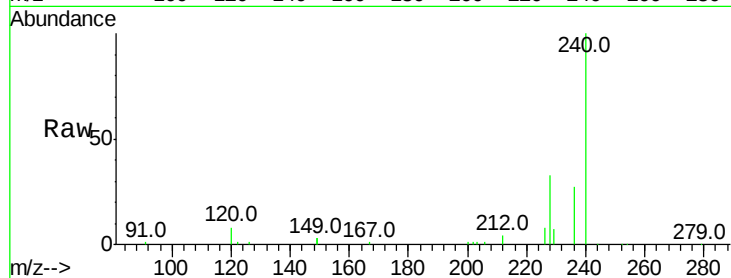




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 20.98 min Scan# 1788  
 Delta R.T. 0.00 min  
 Lab File: BE096833.D  
 Acq: 20 Jun 2018 14:22

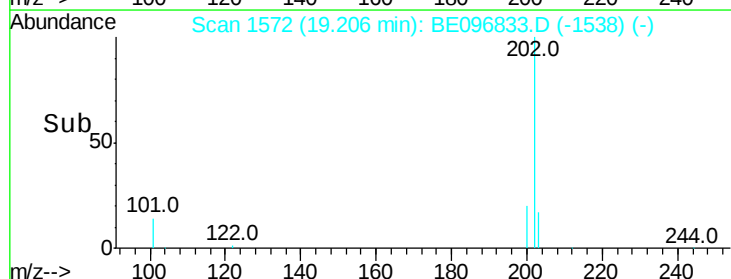
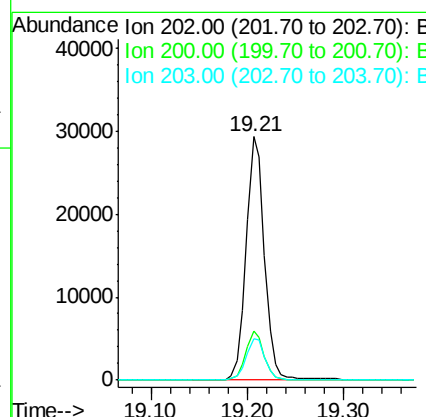
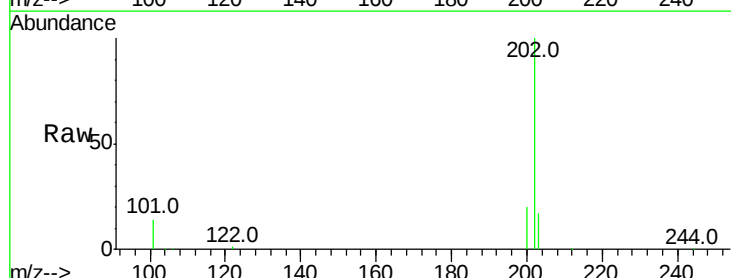
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.8

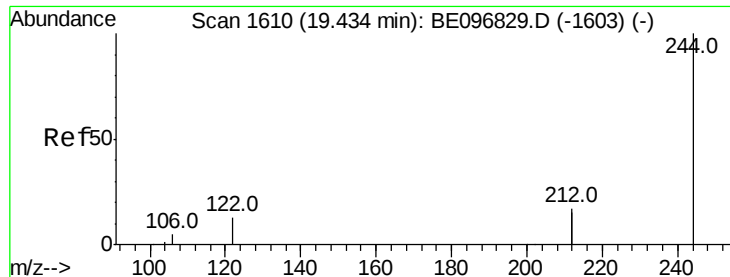
Tot Ion:240 Resp: 17914  
 Ion Ratio Lower Upper  
 240 100  
 120 7.7 5.5 8.3  
 236 27.1 20.7 31.1



#28  
 Pyrene  
 Concen: 0.687 ng  
 RT: 19.21 min Scan# 1572  
 Delta R.T. -0.00 min  
 Lab File: BE096833.D  
 Acq: 20 Jun 2018 14:22

Tgt Ion:202 Resp: 38473  
 Ion Ratio Lower Upper  
 202 100  
 200 19.9 16.6 25.0  
 203 17.4 13.8 20.8





#29

Terphenyl-d14

Concen: 0.696 ng

RT: 19.44 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

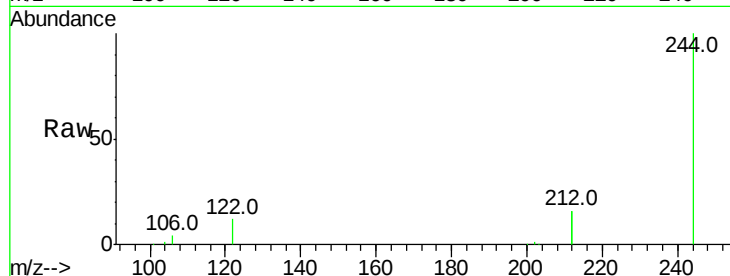
Tot Ion:244 Resp: 26048

Ion Ratio Lower Upper

244 100

212 31.6 25.4 38.0

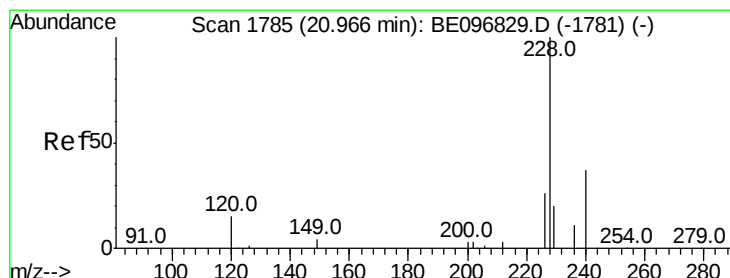
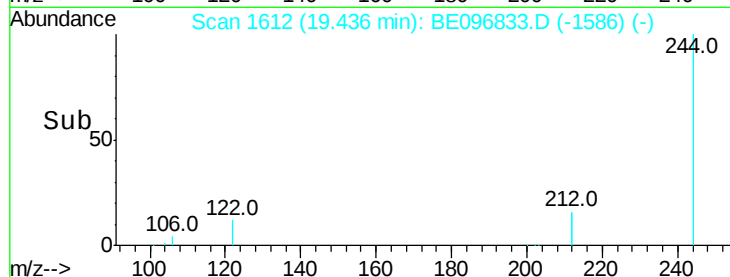
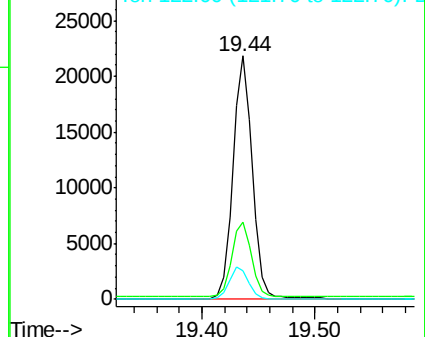
122 11.8 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.702 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

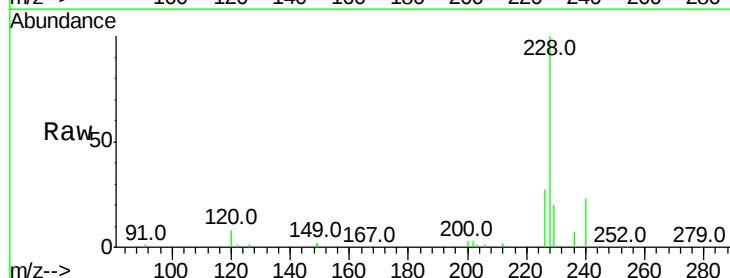
Tgt Ion:228 Resp: 30224

Ion Ratio Lower Upper

228 100

226 26.5 24.0 36.0

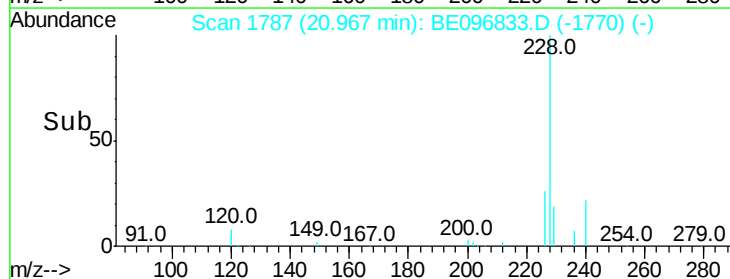
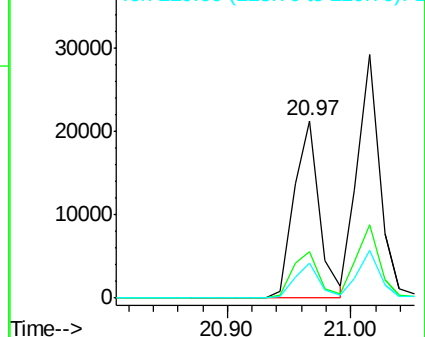
229 19.7 16.0 24.0

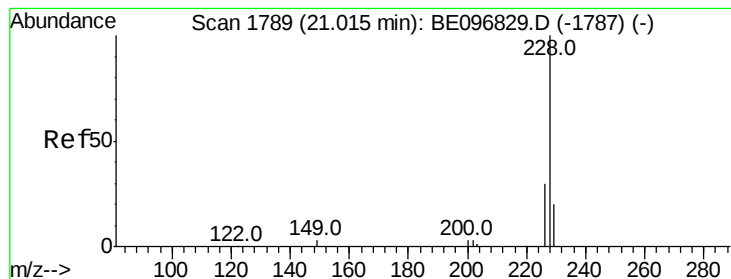


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

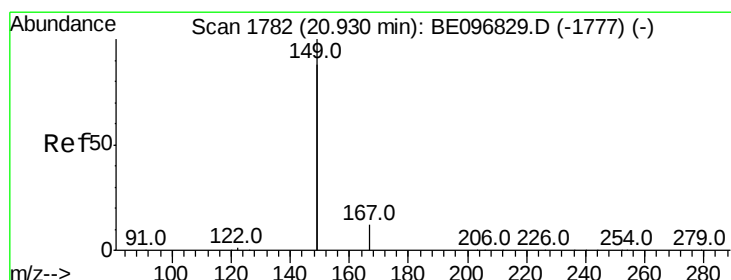
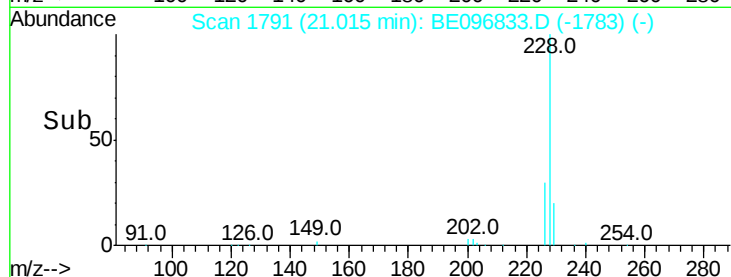
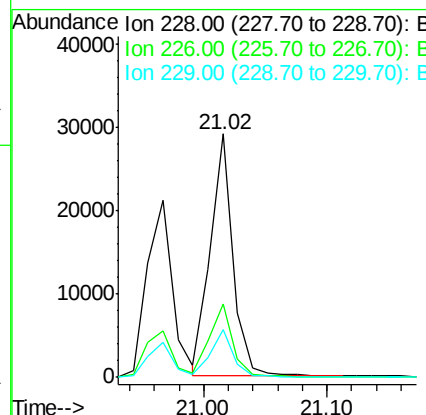
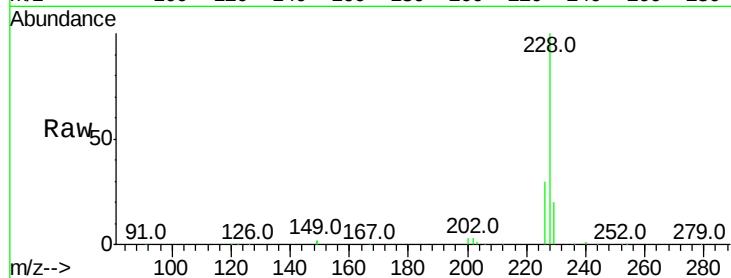




#31  
Chrysene  
Concen: 0.700 ng  
RT: 21.02 min Scan# 1791  
Delta R.T. 0.00 min  
Lab File: BE096833.D  
Acq: 20 Jun 2018 14:22

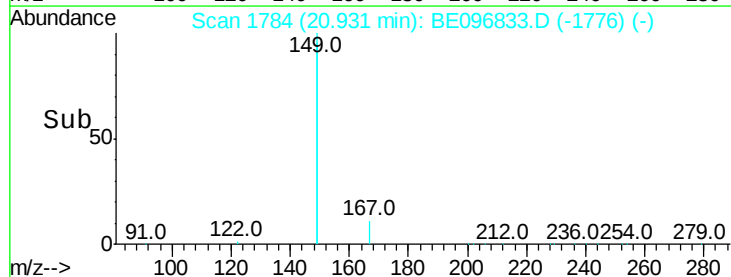
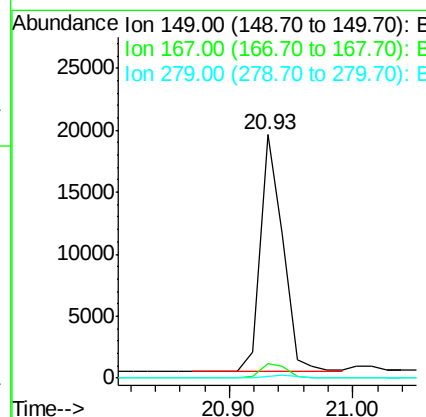
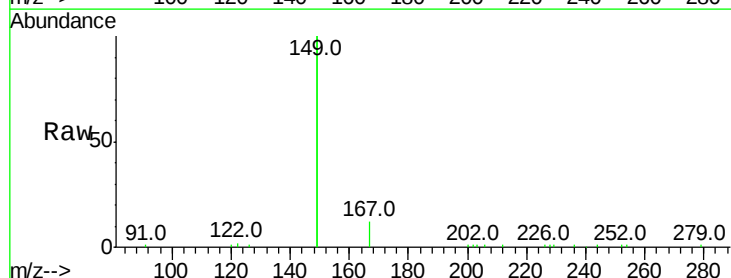
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.8

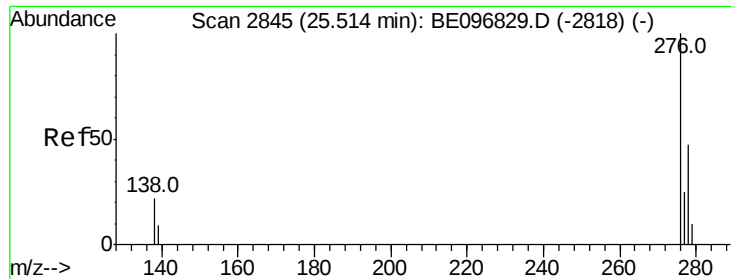
Tot Ion:228 Resp: 37090  
Ion Ratio Lower Upper  
228 100  
226 30.0 24.0 36.0  
229 19.8 16.0 24.0



#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.603 ng  
RT: 20.93 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: BE096833.D  
Acq: 20 Jun 2018 14:22

Tgt Ion:149 Resp: 24430  
Ion Ratio Lower Upper  
149 100  
167 6.5 5.4 8.0  
279 0.8 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.696 ng

RT: 25.51 min Scan# 2847

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

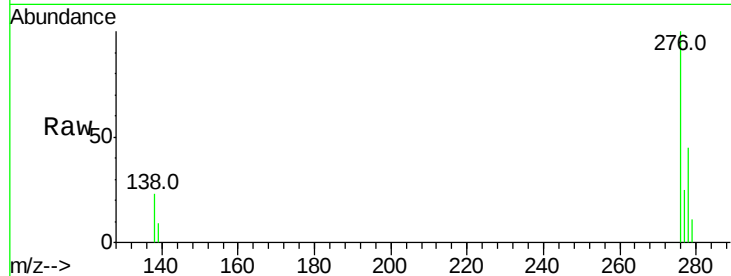
Tot Ion:276 Resp: 27469

Ion Ratio Lower Upper

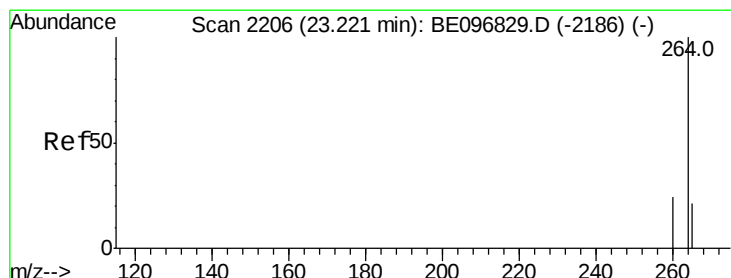
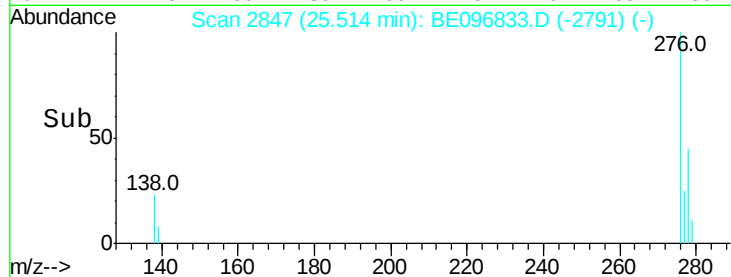
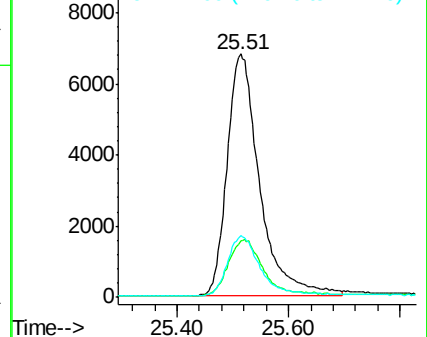
276 100

138 24.3 22.5 33.7

277 24.8 19.9 29.9



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

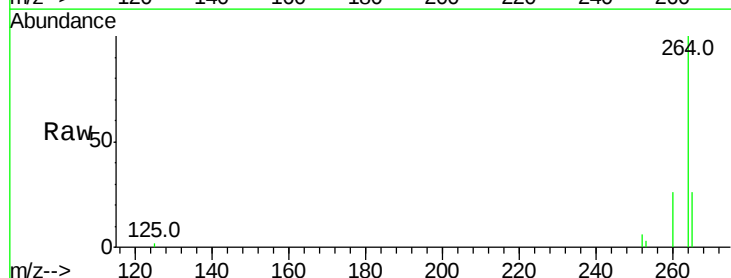
Tgt Ion:264 Resp: 13822

Ion Ratio Lower Upper

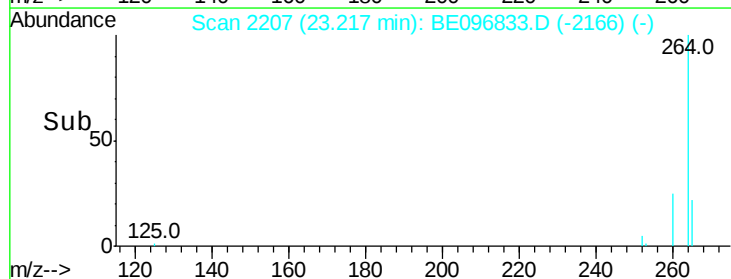
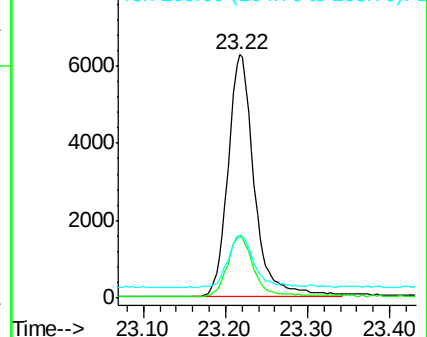
264 100

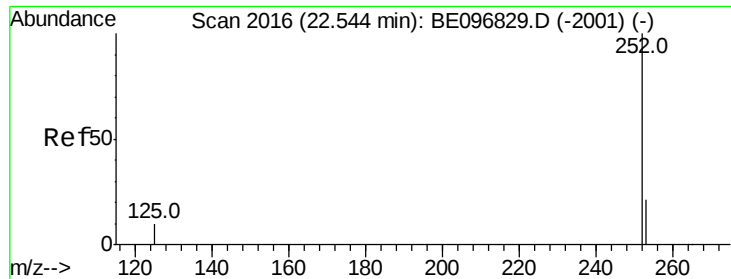
260 25.5 20.5 30.7

265 26.1 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

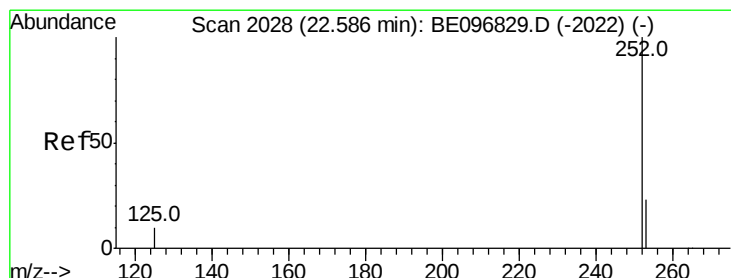
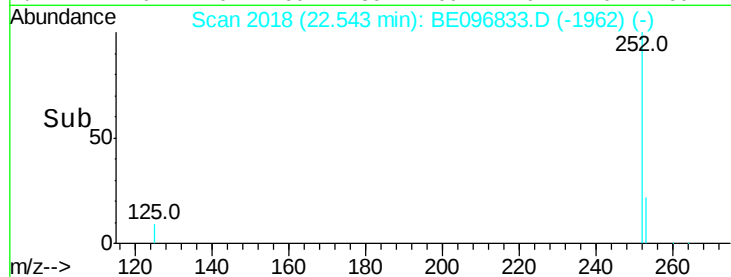
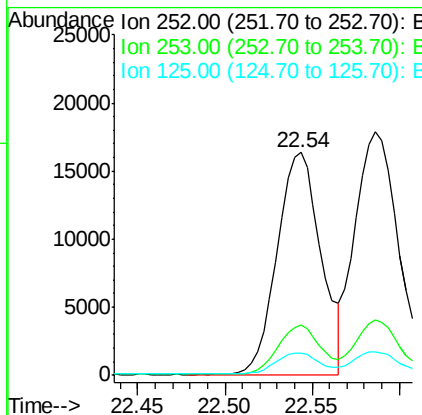
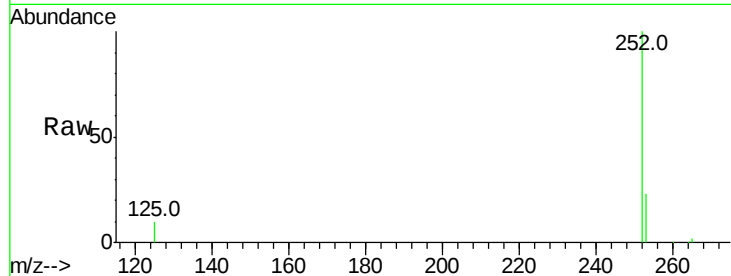




#35  
Benzo(b)fluoranthene  
Concen: 0.686 ng  
RT: 22.54 min Scan# 2018  
Delta R.T. -0.00 min  
Lab File: BE096833.D  
Acq: 20 Jun 2018 14:22

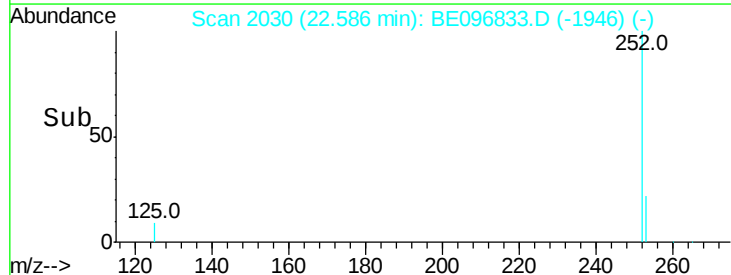
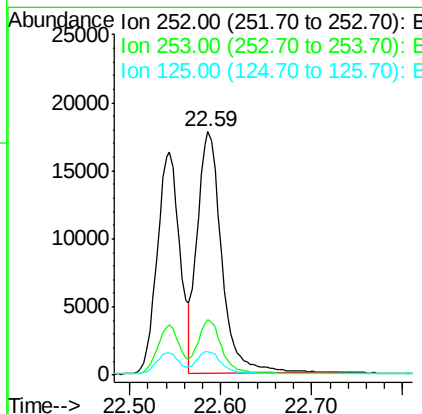
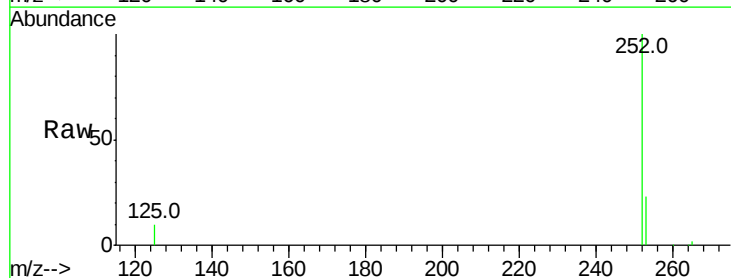
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.8

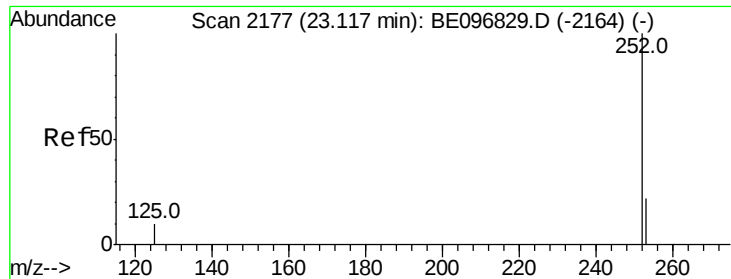
Tot Ion:252 Resp: 28422  
Ion Ratio Lower Upper  
252 100  
253 22.6 20.0 30.0  
125 10.0 16.0 24.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.700 ng  
RT: 22.59 min Scan# 2030  
Delta R.T. -0.00 min  
Lab File: BE096833.D  
Acq: 20 Jun 2018 14:22

Tgt Ion:252 Resp: 32782  
Ion Ratio Lower Upper  
252 100  
253 22.6 16.0 24.0  
125 9.7 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.675 ng

RT: 23.12 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

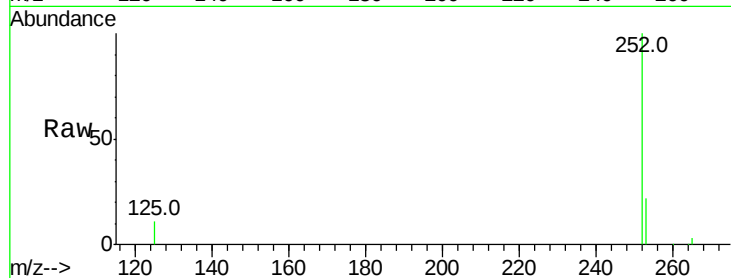
Tot Ion:252 Resp: 23456

Ion Ratio Lower Upper

252 100

253 22.4 16.0 24.0

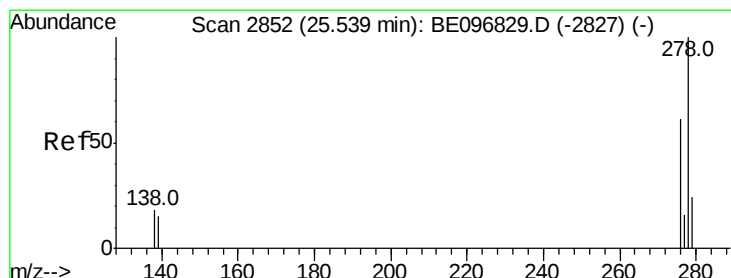
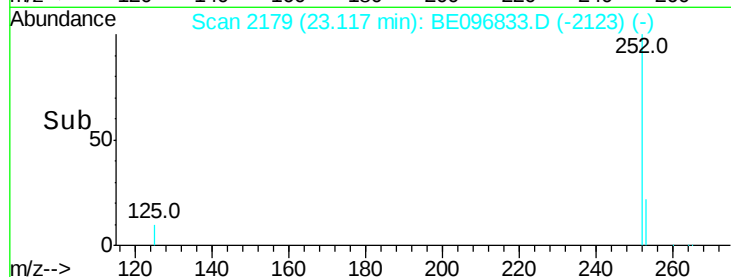
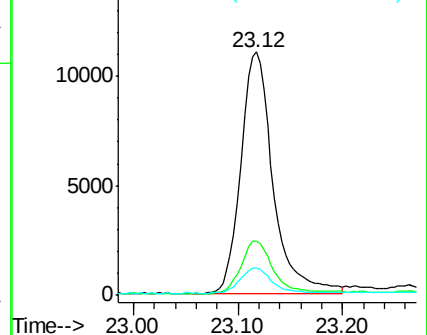
125 11.2 12.0 18.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.697 ng

RT: 25.54 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

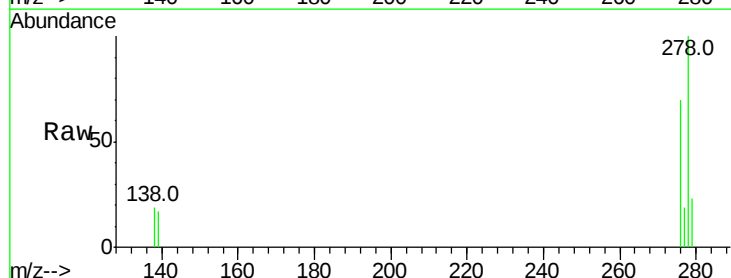
Tgt Ion:278 Resp: 23549

Ion Ratio Lower Upper

278 100

139 16.8 16.0 24.0

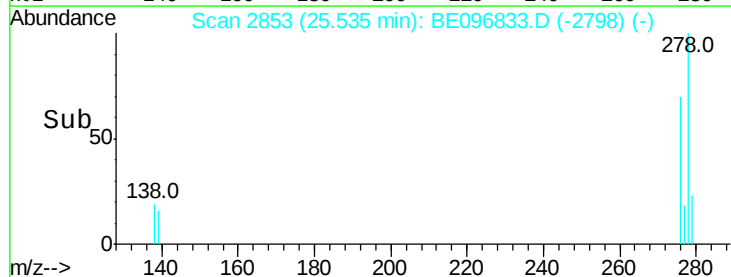
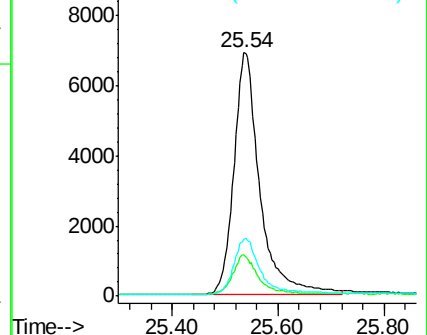
279 23.4 20.0 30.0

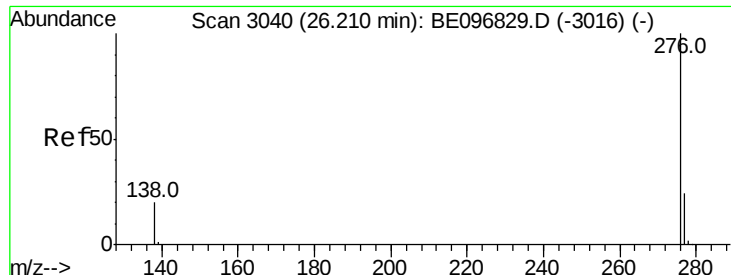


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.686 ng

RT: 26.21 min Scan# 3042

Delta R.T. -0.00 min

Lab File: BE096833.D

Acq: 20 Jun 2018 14:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

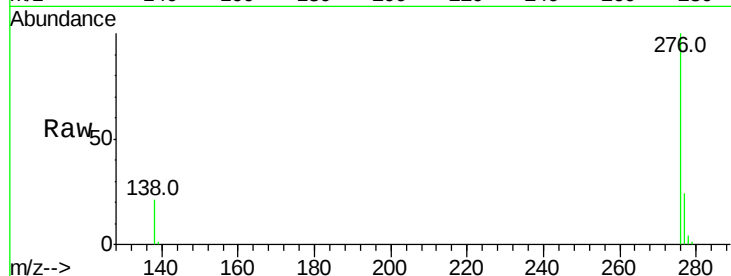
Tot Ion:276 Resp: 25199

Ion Ratio Lower Upper

276 100

277 23.7 16.0 24.0

138 21.2 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

