

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE032919\  
 Data File : BE099256.D  
 Acq On : 29 Mar 2019 15:51  
 Operator : JU/SJ  
 Sample : K1982-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-027-SW013-032519

Quant Time: Mar 29 22:56:13 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE032519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Mar 26 07:02:06 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 3461     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.63 | 136  | 14780    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 11238    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.20 | 188  | 32214    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.38 | 240  | 39904    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.89 | 264  | 38995    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.41  | 112 | 1657  | 0.16 | ng | 0.00  |
| 5) Phenol-d6                | 6.99  | 99  | 2492  | 0.16 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.99  | 82  | 1942  | 0.16 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 4624  | 0.16 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330 | 713   | 0.34 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 6748  | 0.15 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.23 | 212 | 60162 | 0.15 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.83 | 244 | 10305 | 0.12 | ng | 0.00  |

#### Target Compounds

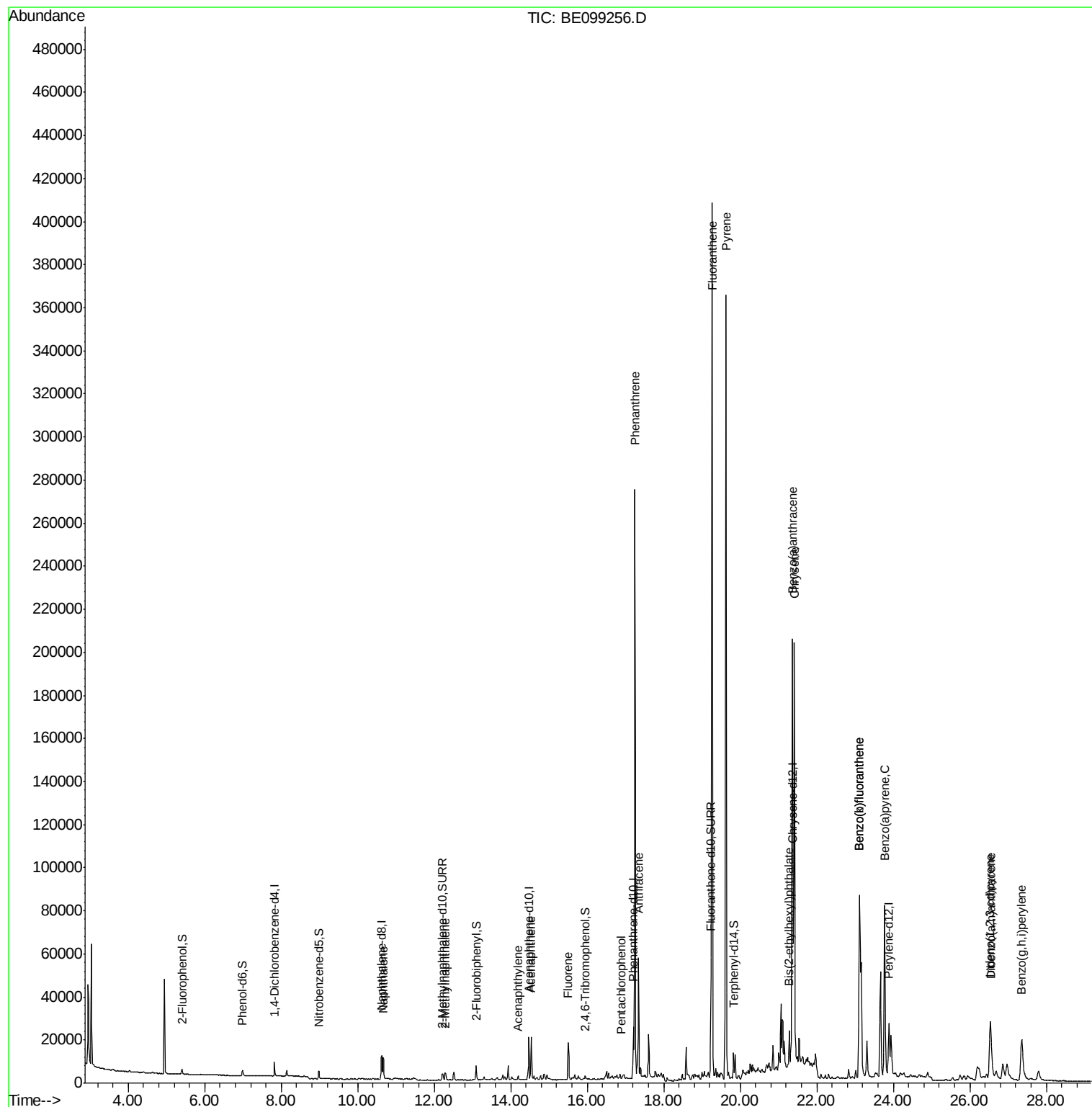
|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.67 | 128 | 17734  | 0.102 | ng | 98     |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 2536   | 0.081 | ng | 97     |
| 16) Acenaphthylene             | 14.20 | 152 | 1974   | 0.034 | ng | # 95   |
| 17) Acenaphthene               | 14.53 | 154 | 11492  | 0.335 | ng | 98     |
| 18) Fluorene                   | 15.50 | 166 | 11871  | 0.246 | ng | # 97   |
| 22) Pentachlorophenol          | 16.89 | 266 | 47     | 0.255 | ng | # 77   |
| 23) Phenanthrene               | 17.24 | 178 | 281750 | 2.978 | ng | 100    |
| 24) Anthracene                 | 17.34 | 178 | 56510  | 0.661 | ng | # 93   |
| 26) Fluoranthene               | 19.26 | 202 | 391622 | 3.244 | ng | 99     |
| 28) Pyrene                     | 19.63 | 202 | 341740 | 2.578 | ng | # 95   |
| 30) Benzo(a)anthracene         | 21.37 | 228 | 213309 | 1.620 | ng | 98     |
| 31) Chrysene                   | 21.41 | 228 | 167231 | 1.188 | ng | 96     |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 17044  | 0.109 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.53 | 276 | 64264  | 0.483 | ng | 97     |
| 35) Benzo(b)fluoranthene       | 23.11 | 252 | 179322 | 1.397 | ng | 98     |
| 36) Benzo(k)fluoranthene       | 23.11 | 252 | 179322 | 1.322 | ng | 98     |
| 37) Benzo(a)pyrene             | 23.77 | 252 | 128001 | 1.068 | ng | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.56 | 278 | 17560  | 0.165 | ng | # 92   |
| 39) Benzo(g,h,i)perylene       | 27.35 | 276 | 60439  | 0.566 | ng | 99     |

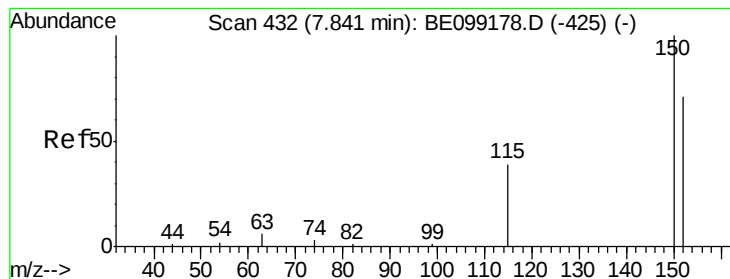
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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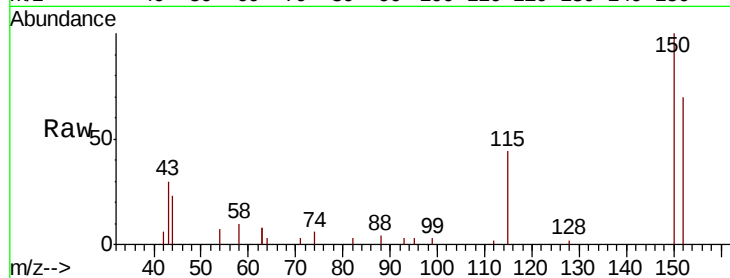


#1

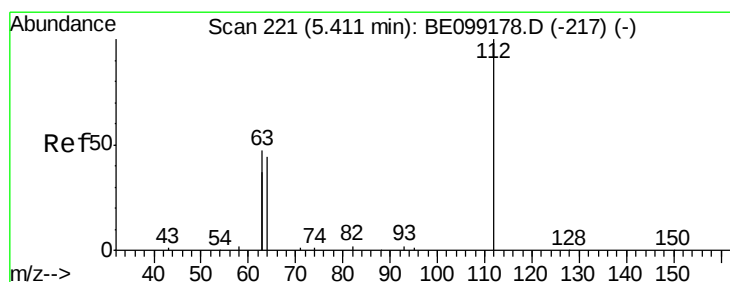
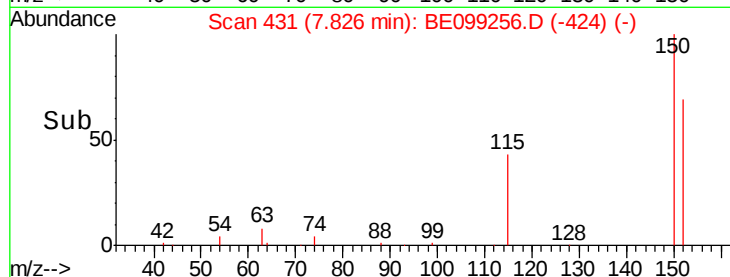
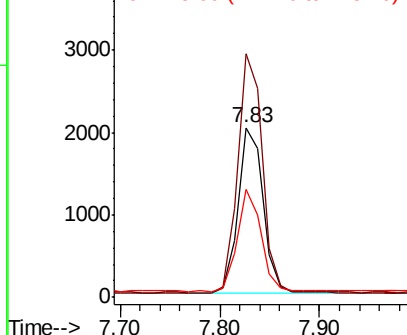
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.83 min Scan# 431  
Delta R.T. -0.01 min  
Lab File: BE099256.D  
Acq: 29 Mar 2019 15:51

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-027-SW013-032519

Tgt Ion:152 Resp: 3461  
Ion Ratio Lower Upper  
152 100  
150 143.7 112.8 169.2  
115 63.9 45.1 67.7



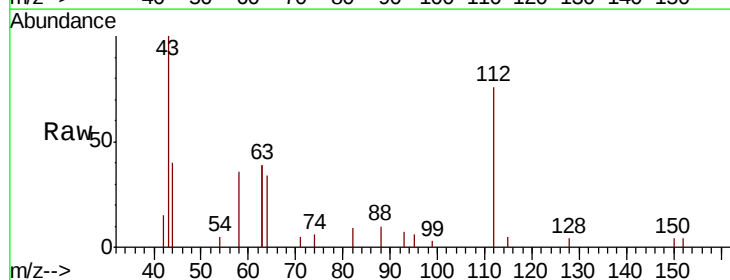
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



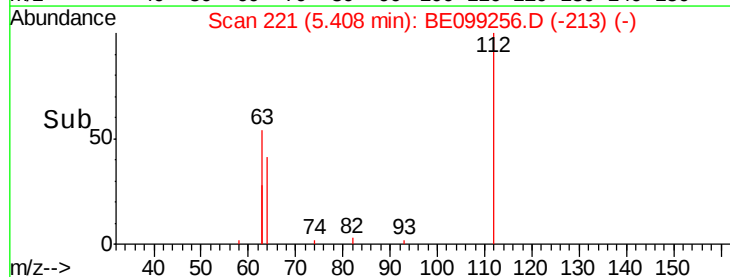
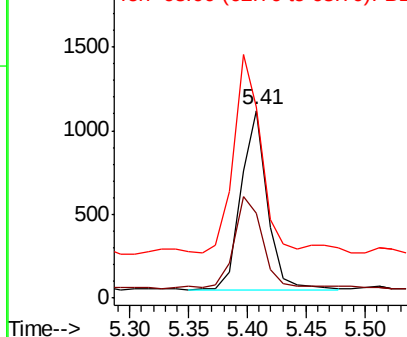
#4

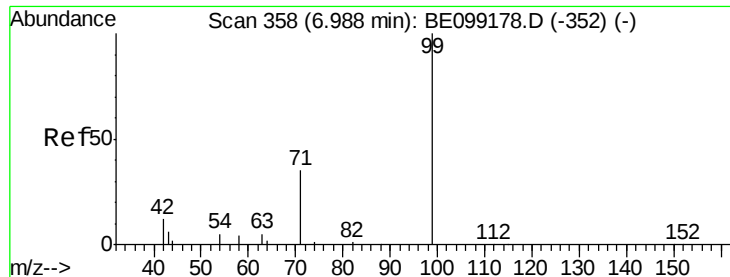
2-Fluorophenol  
Concen: 0.160 ng  
RT: 5.41 min Scan# 221  
Delta R.T. -0.00 min  
Lab File: BE099256.D  
Acq: 29 Mar 2019 15:51

Tgt Ion:112 Resp: 1657  
Ion Ratio Lower Upper  
112 100  
64 59.7 46.2 69.2  
63 114.4 89.9 134.9



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: 0.158 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

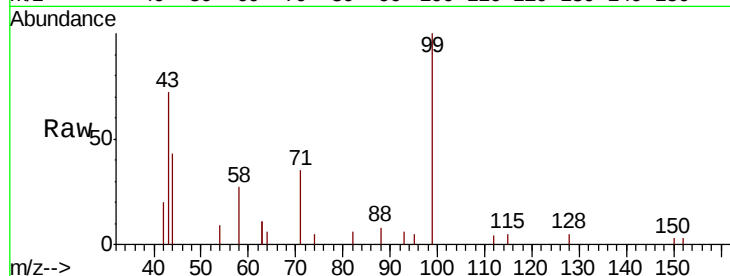
Tgt Ion: 99 Resp: 2492

Ion Ratio Lower Upper

99 100

42 17.1 12.4 18.6

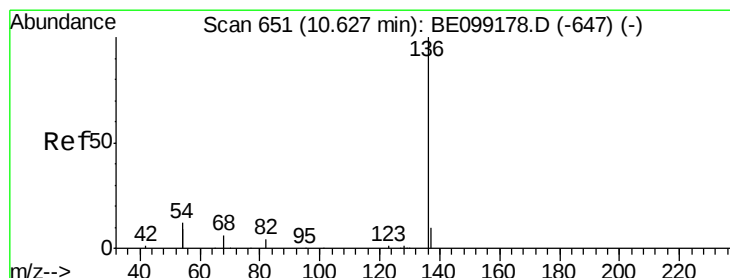
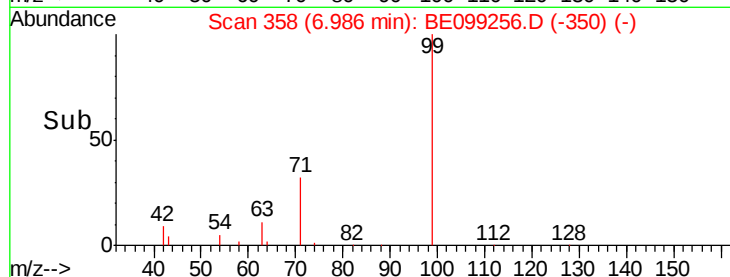
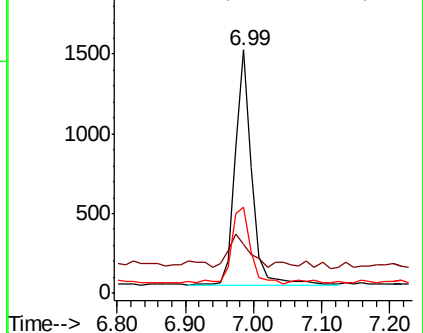
71 37.2 28.4 42.6



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Tgt Ion: 136 Resp: 14780

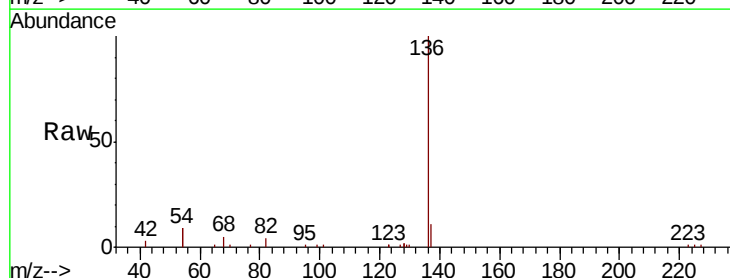
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 17.0 18.7 28.1#

68 4.7 5.2 7.8#

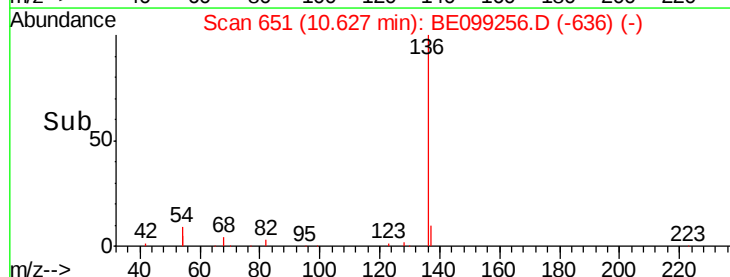
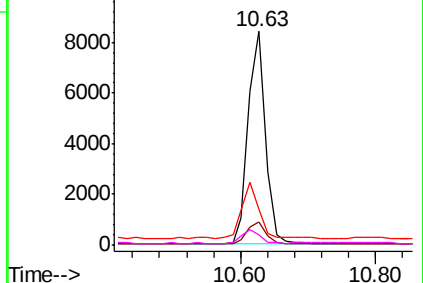


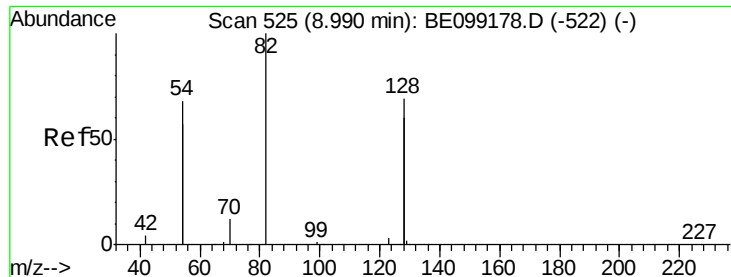
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.161 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

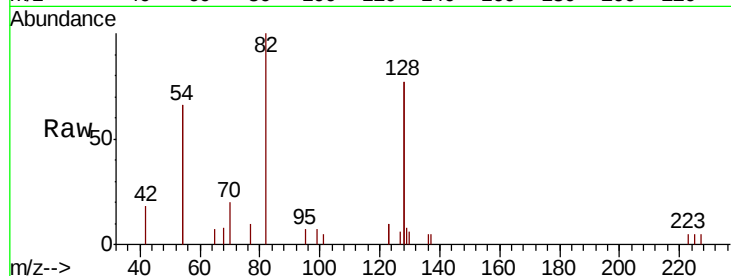
Tgt Ion: 82 Resp: 1942

Ion Ratio Lower Upper

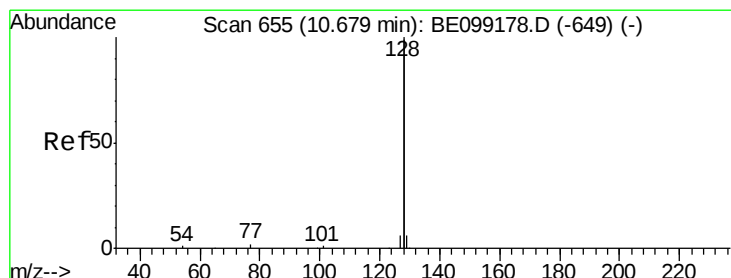
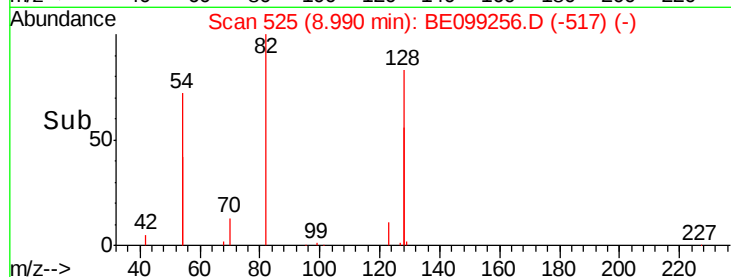
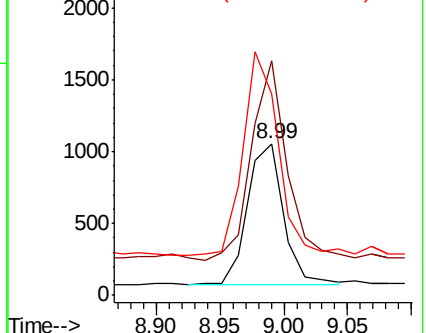
82 100

128 154.2 107.5 161.3

54 132.6 106.3 159.5



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: 0.102 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

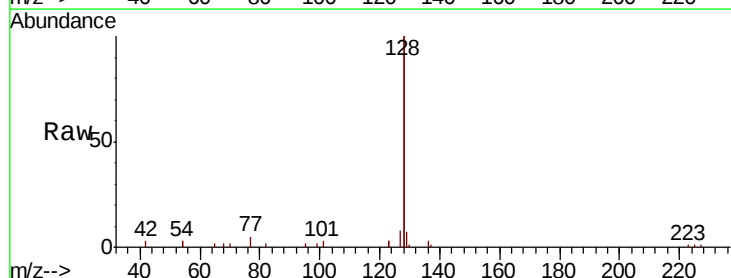
Tgt Ion: 128 Resp: 17734

Ion Ratio Lower Upper

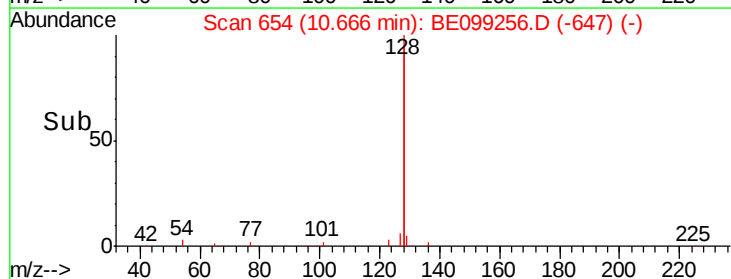
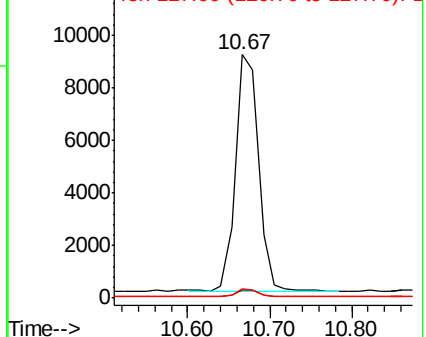
128 100

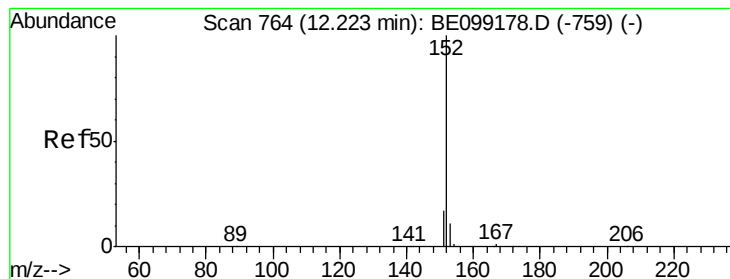
129 3.4 2.3 3.5

127 3.8 2.6 3.8



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





#11

2-Methylnaphthalene-d10

Concen: 0.162 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

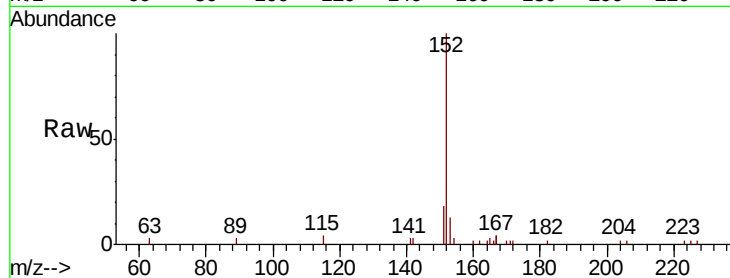
EXT-027-SW013-032519

Tgt Ion:152 Resp: 4624

Ion Ratio Lower Upper

152 100

151 19.5 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

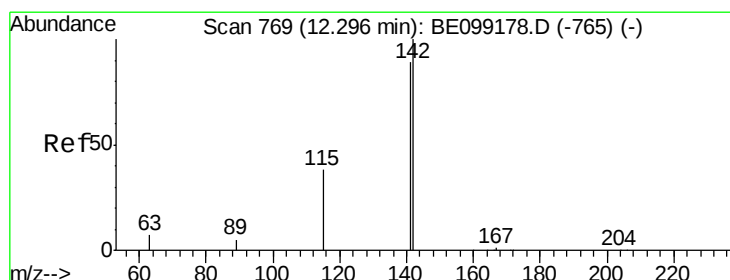
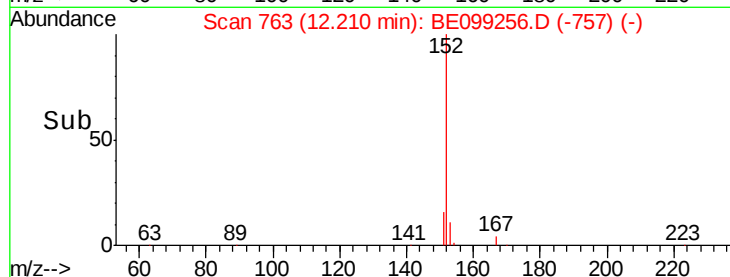
1500

1000

500

0

Time--> 12.10 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.081 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

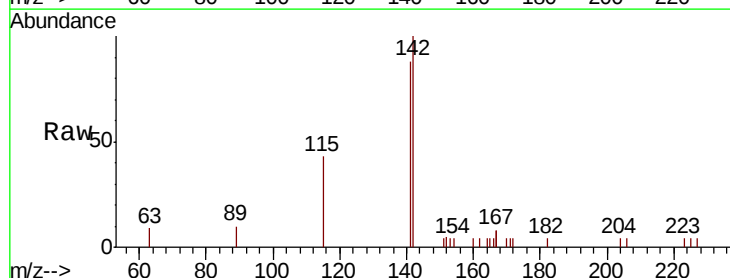
Tgt Ion:142 Resp: 2536

Ion Ratio Lower Upper

142 100

141 88.5 71.3 106.9

115 42.8 30.4 45.6



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

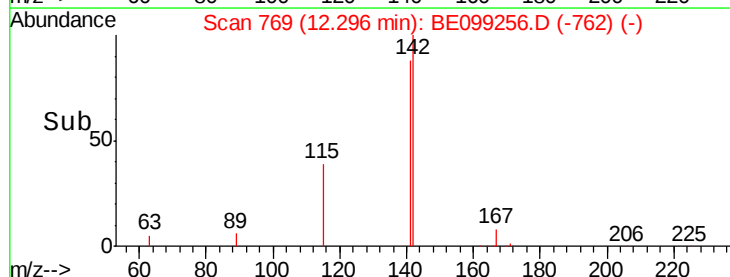
1500

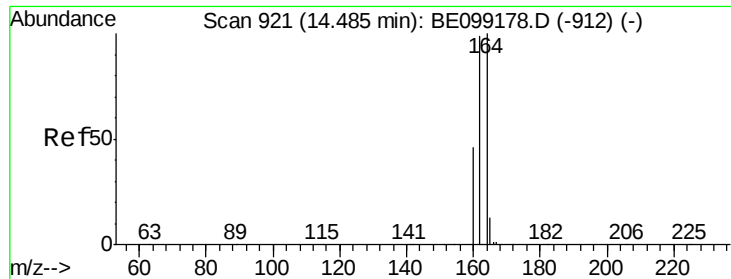
1000

500

0

Time--> 12.20 12.30 12.40

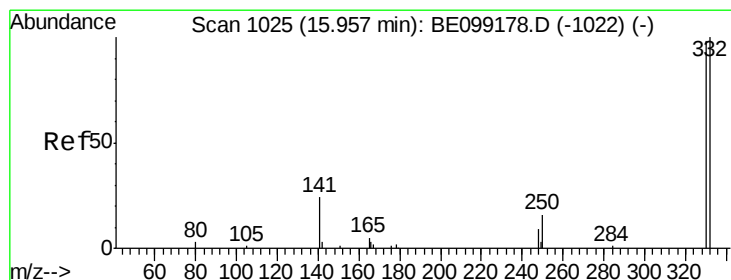
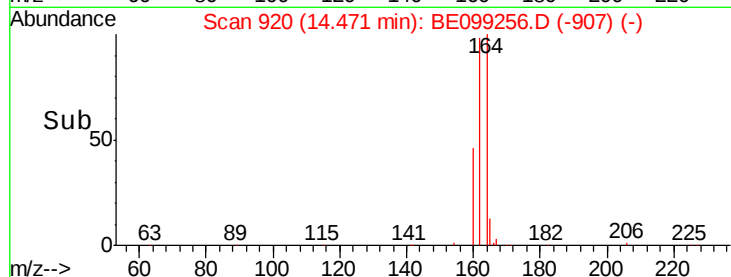
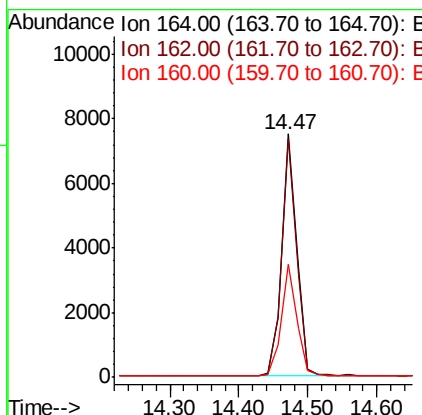
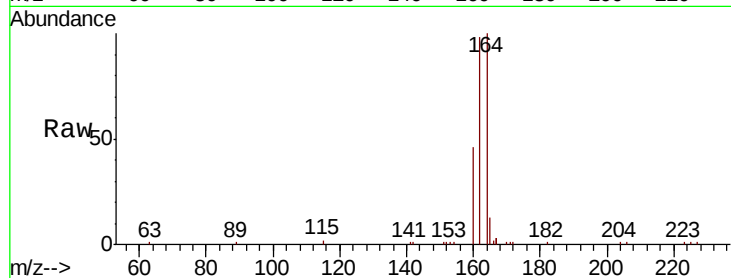




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: BE099256.D  
Acq: 29 Mar 2019 15:51

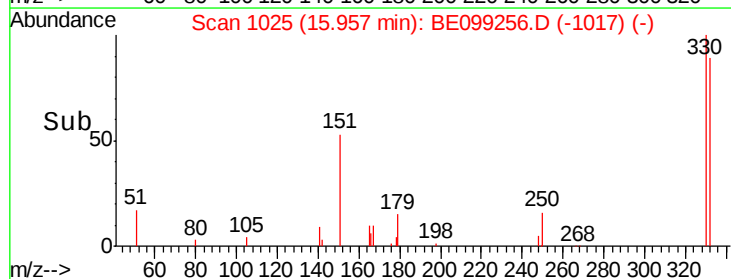
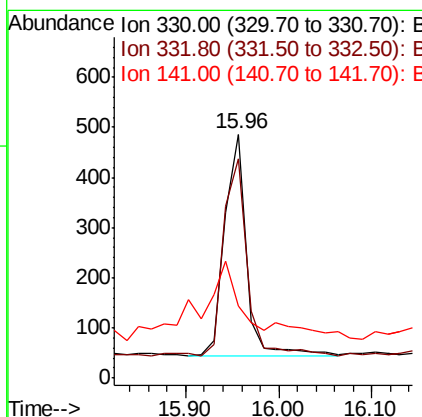
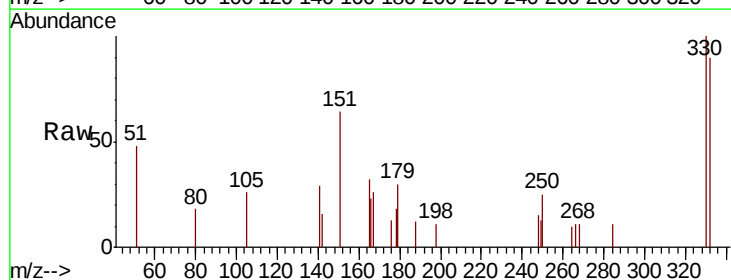
Instrument :  
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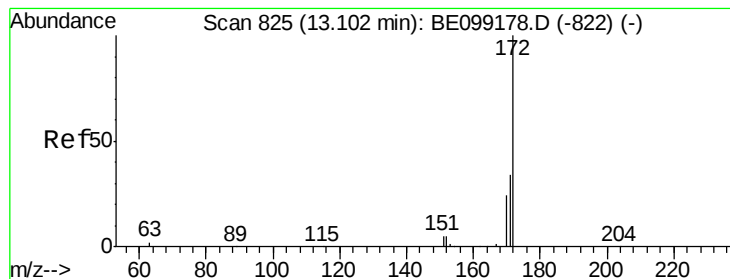
Tgt Ion:164 Resp: 11238  
Ion Ratio Lower Upper  
164 100  
162 98.0 79.2 118.8  
160 46.4 36.7 55.1



#14  
2,4,6-Tribromophenol  
Concen: 0.342 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BE099256.D  
Acq: 29 Mar 2019 15:51

Tgt Ion:330 Resp: 713  
Ion Ratio Lower Upper  
330 100  
332 99.6 71.3 106.9  
141 41.7 21.7 32.5#

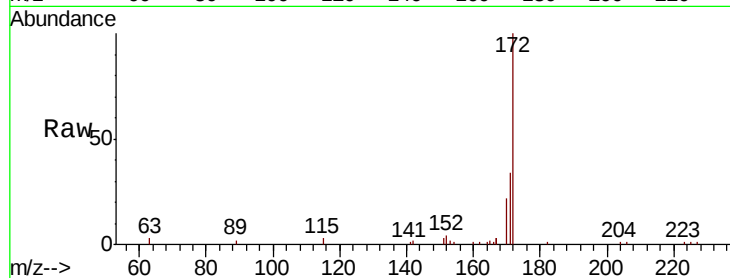




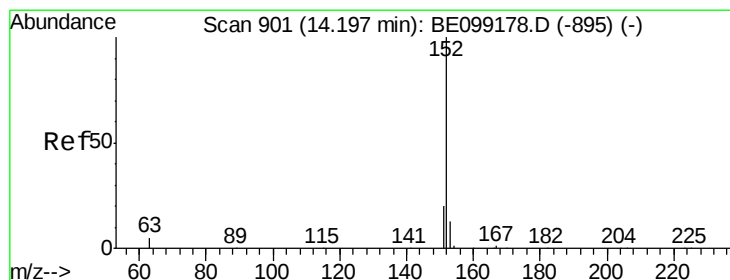
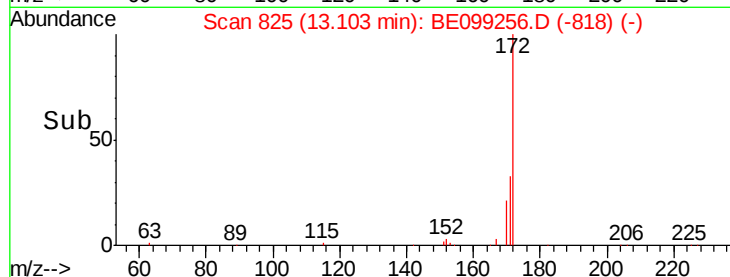
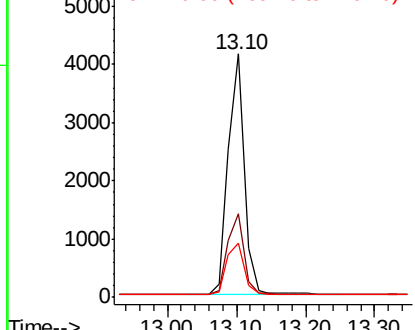
#15  
2-Fluorobiphenyl  
Concen: 0.147 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099256.D  
Acq: 29 Mar 2019 15:51

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-027-SW013-032519

Tgt Ion:172 Resp: 6748  
Ion Ratio Lower Upper  
172 100  
171 34.2 27.4 41.0  
170 22.2 19.1 28.7

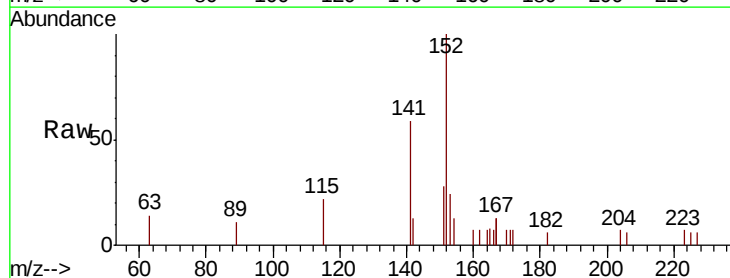


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

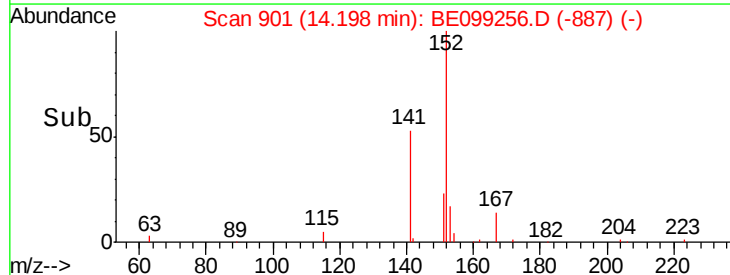
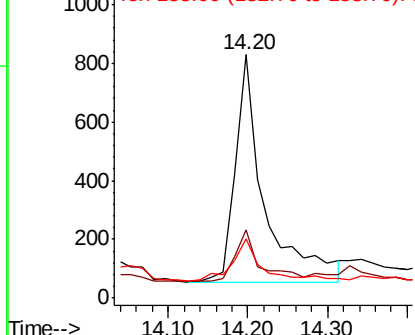


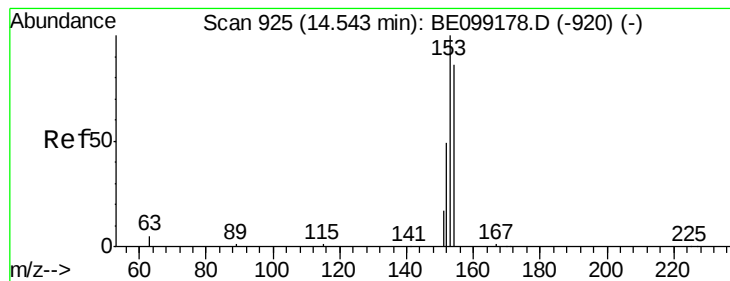
#16  
Acenaphthylene  
Concen: 0.034 ng  
RT: 14.20 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BE099256.D  
Acq: 29 Mar 2019 15:51

Tgt Ion:152 Resp: 1974  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.7 23.5  
153 18.2 10.6 15.8#



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: 0.335 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

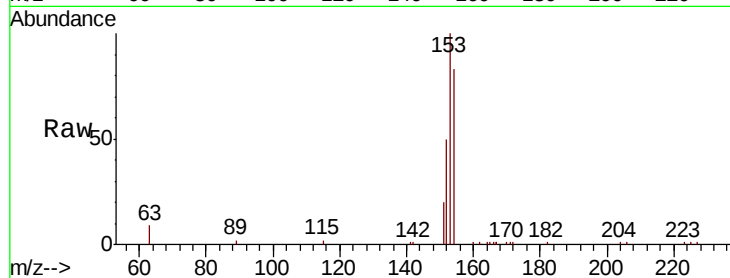
Tgt Ion:154 Resp: 11492

Ion Ratio Lower Upper

154 100

153 118.9 93.4 140.0

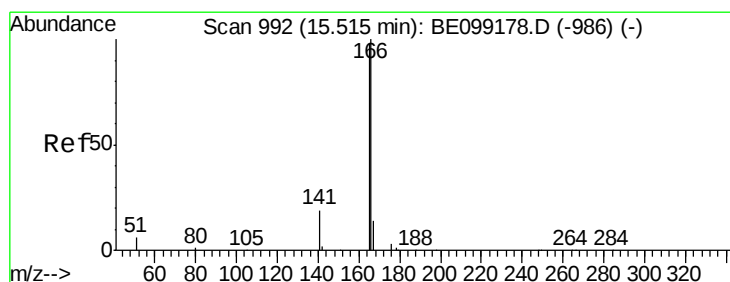
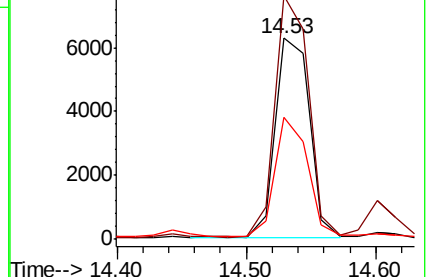
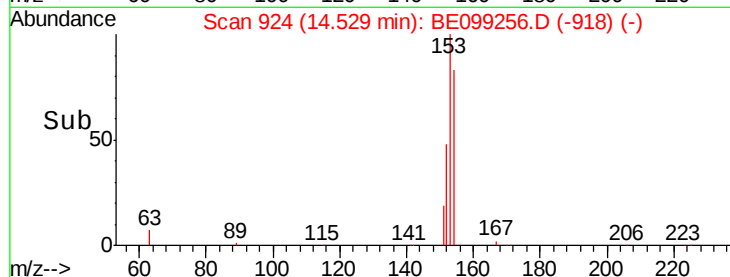
152 57.4 46.6 69.8



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: 0.246 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

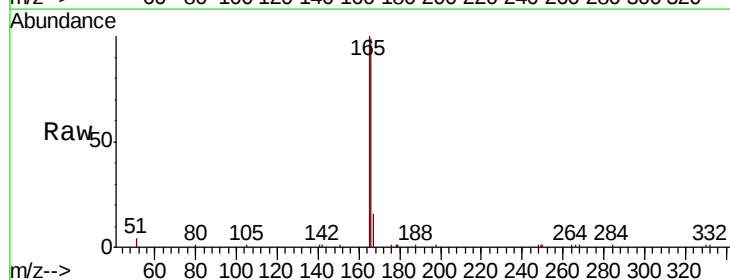
Tgt Ion:166 Resp: 11871

Ion Ratio Lower Upper

166 100

165 100.7 78.9 118.3

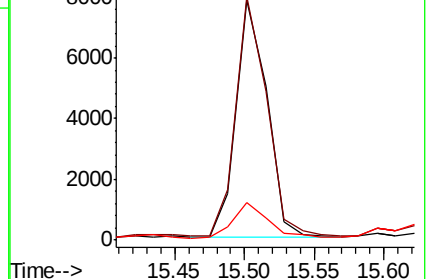
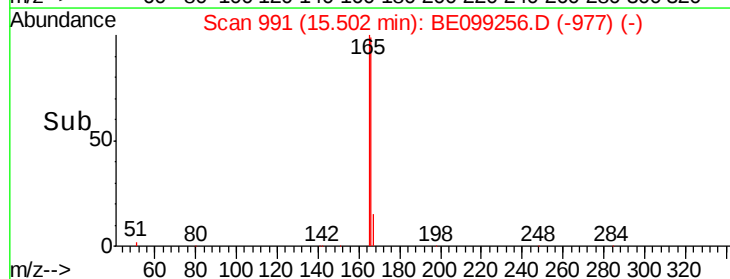
167 17.4 10.9 16.3#

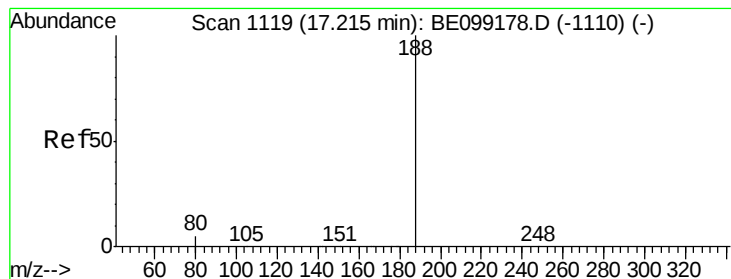


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

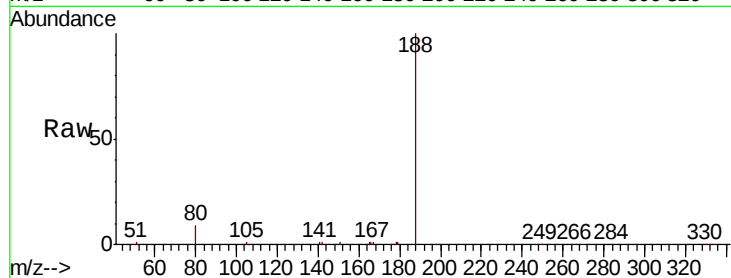
Tgt Ion:188 Resp: 32214

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

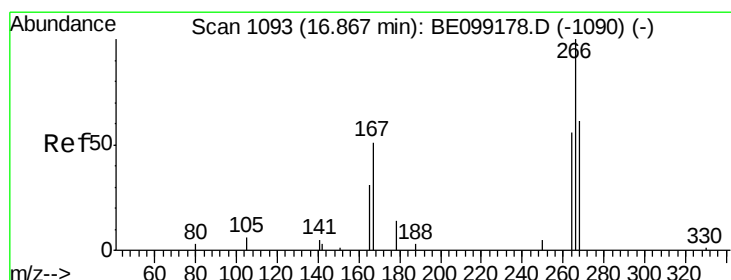
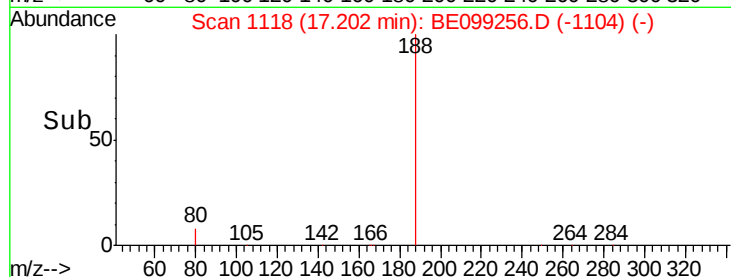
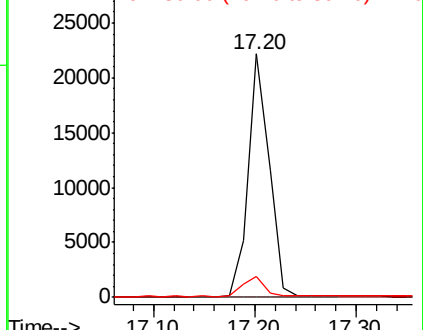
80 8.6 4.5 6.7#



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



#22

Pentachlorophenol

Concen: 0.255 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.03 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

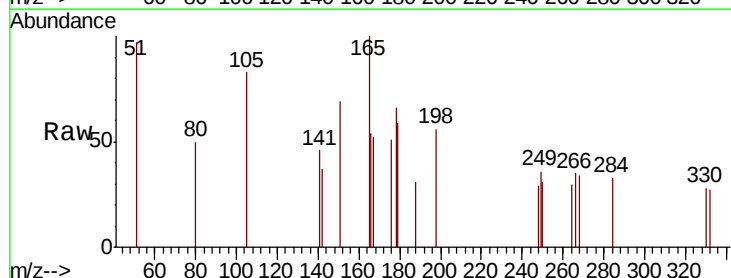
Tgt Ion:266 Resp: 47

Ion Ratio Lower Upper

266 100

264 85.9 54.4 81.6#

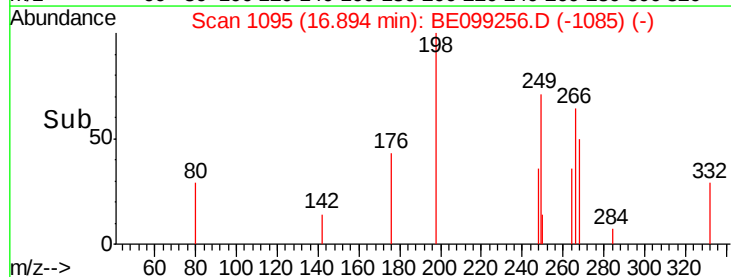
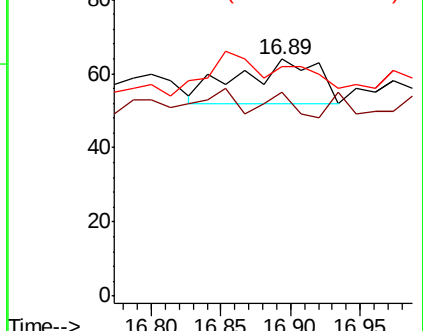
268 96.9 61.3 91.9#

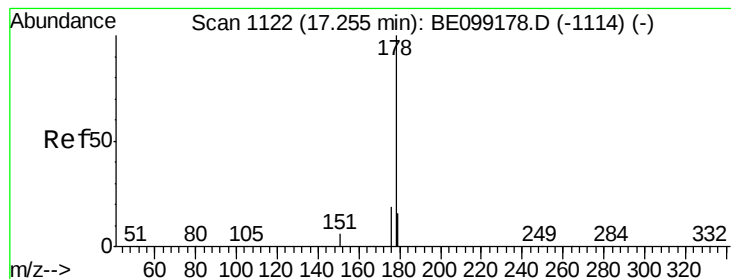


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 2.978 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

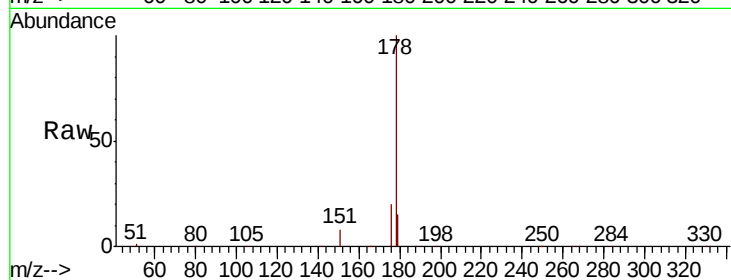
Tgt Ion:178 Resp: 281750

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

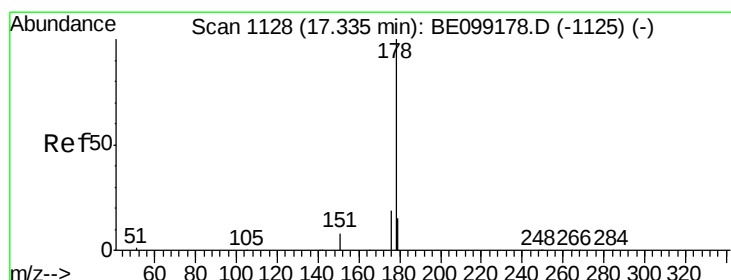
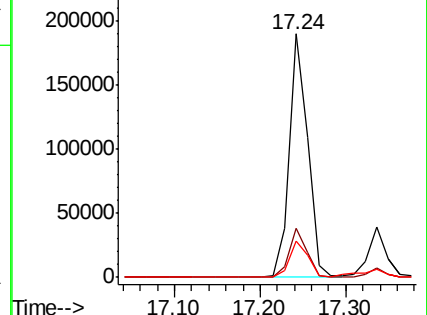
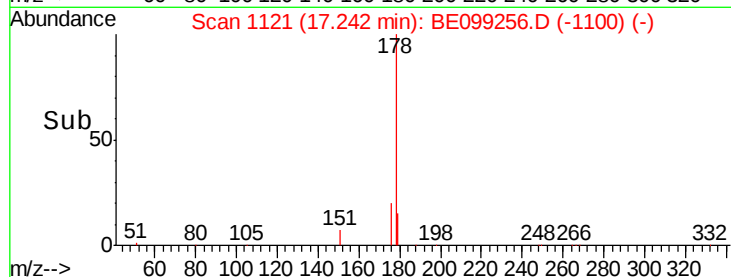
179 15.4 12.3 18.5



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: 0.661 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

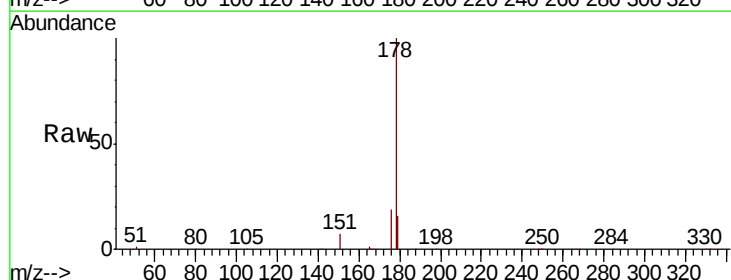
Tgt Ion:178 Resp: 56510

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

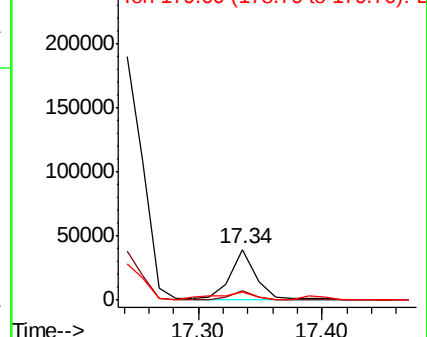
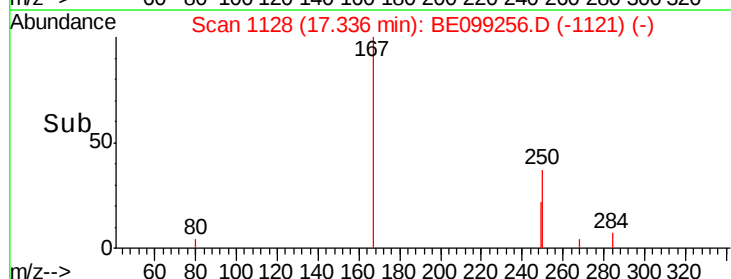
179 21.9 12.4 18.6#

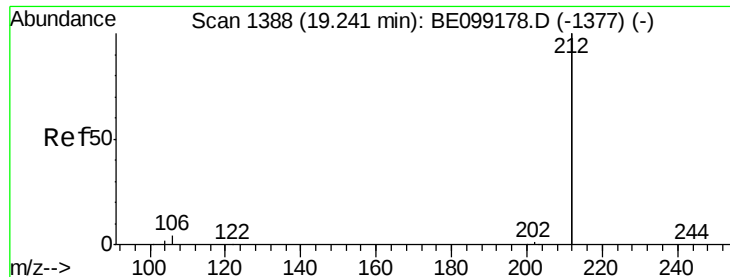


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.154 ng

RT: 19.23 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

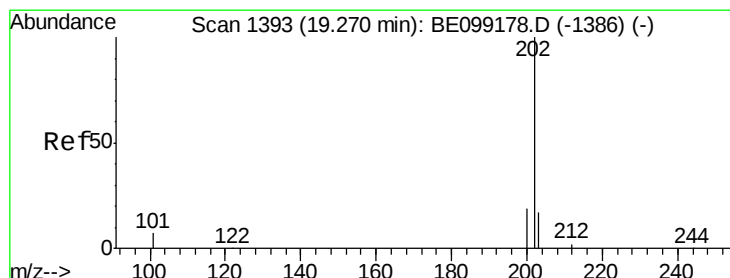
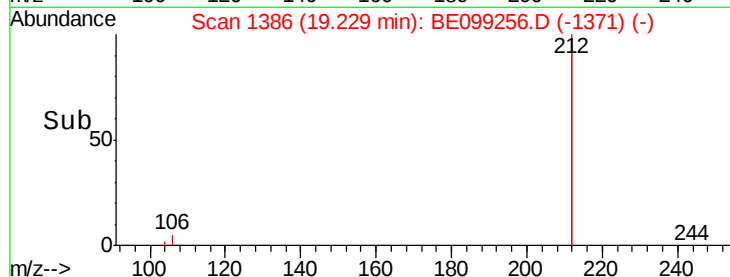
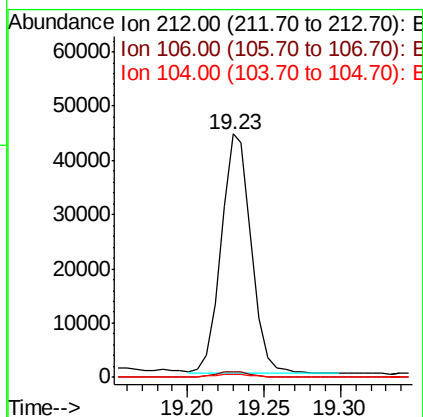
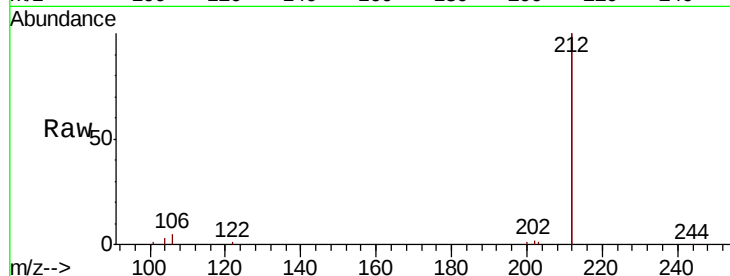
Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 60162 |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 2.4   | 1.8   | 2.8   |
| 104      | 1.3   | 1.1   | 1.7   |



#26

Fluoranthene

Concen: 3.244 ng

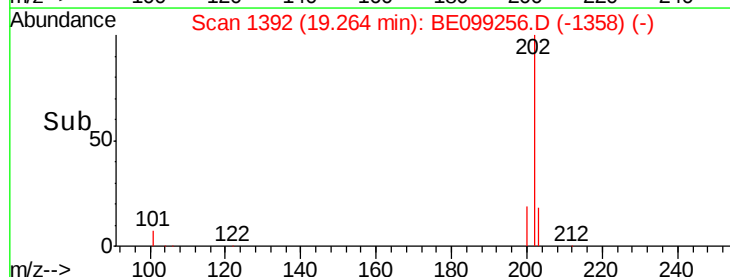
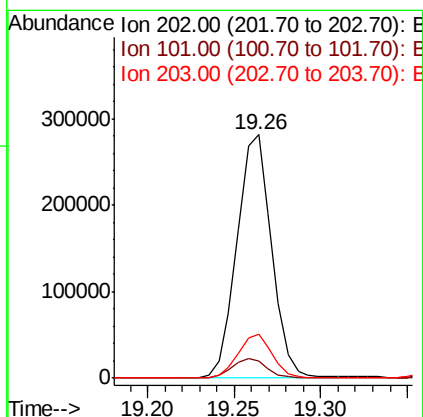
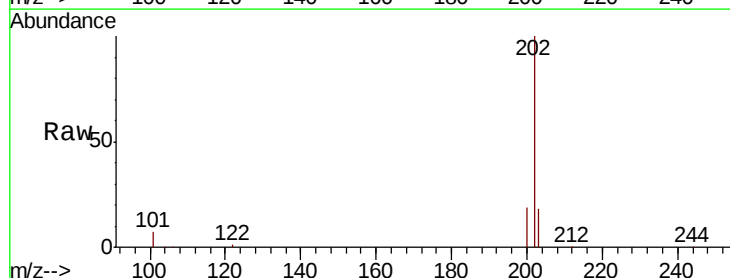
RT: 19.26 min Scan# 1392

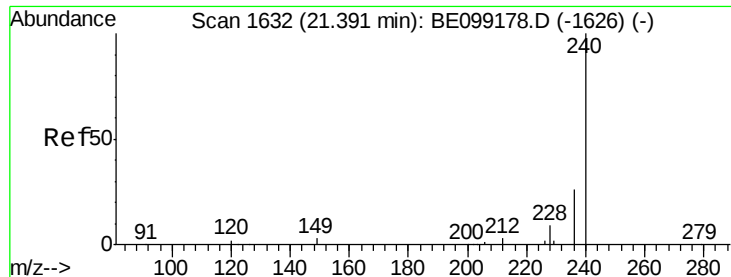
Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 391622 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 7.9   | 7.0   | 10.4   |
| 203      | 17.6  | 13.8  | 20.6   |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

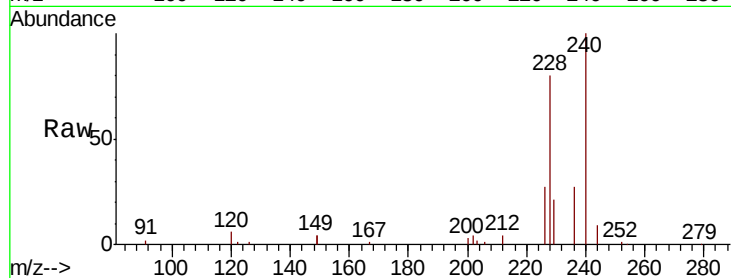
Tgt Ion:240 Resp: 39904

Ion Ratio Lower Upper

240 100

120 5.8 2.6 3.8#

236 26.6 20.9 31.3

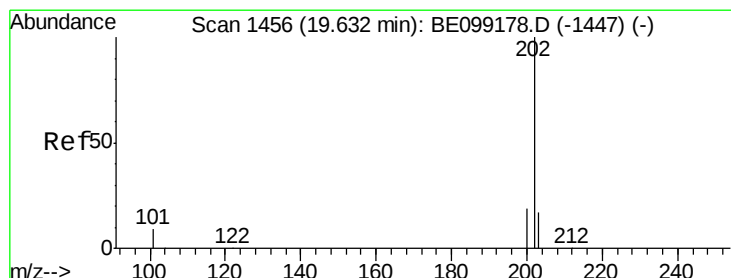
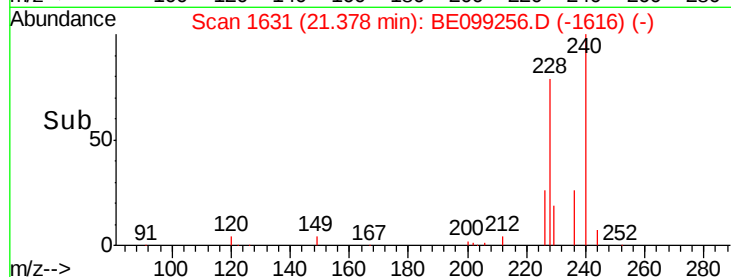
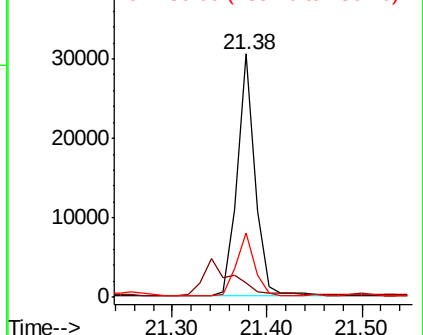


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 2.578 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

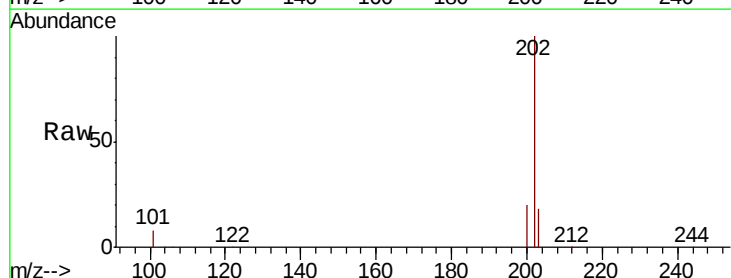
Tgt Ion:202 Resp: 341740

Ion Ratio Lower Upper

202 100

200 20.0 15.8 23.8

203 22.4 14.1 21.1#

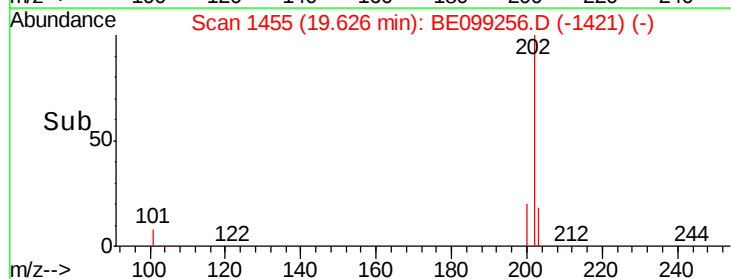
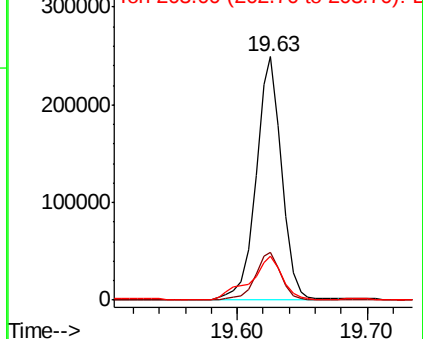


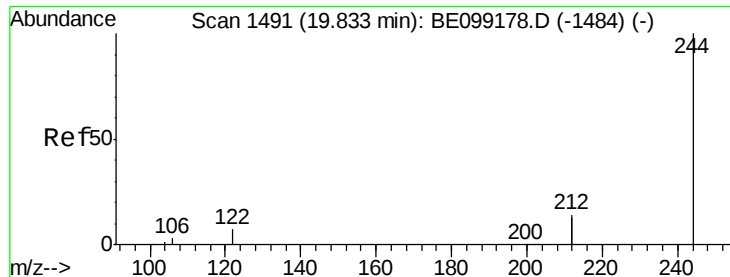
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.119 ng

RT: 19.83 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

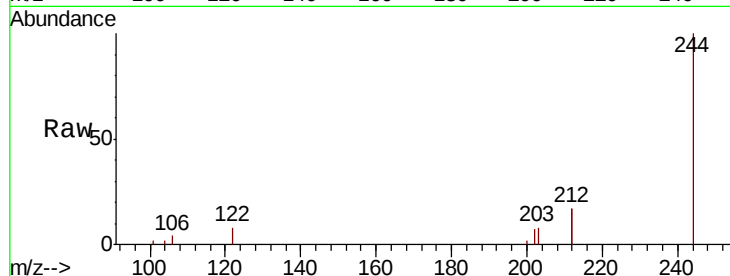
Tgt Ion:244 Resp: 10305

Ion Ratio Lower Upper

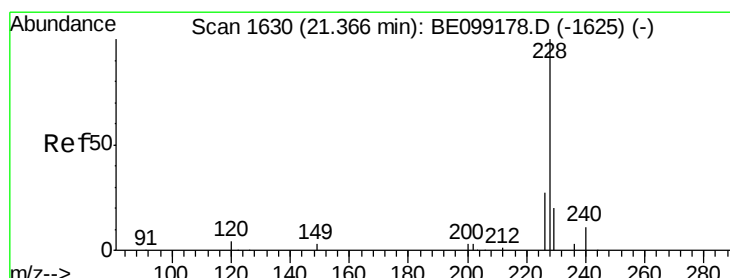
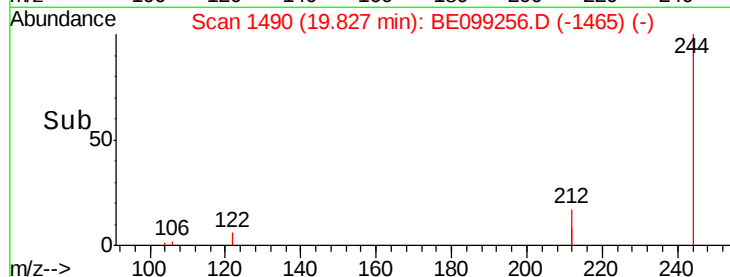
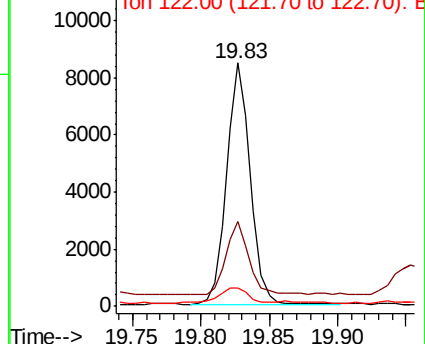
244 100

212 34.7 22.7 34.1#

122 7.6 5.8 8.6



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: 1.620 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

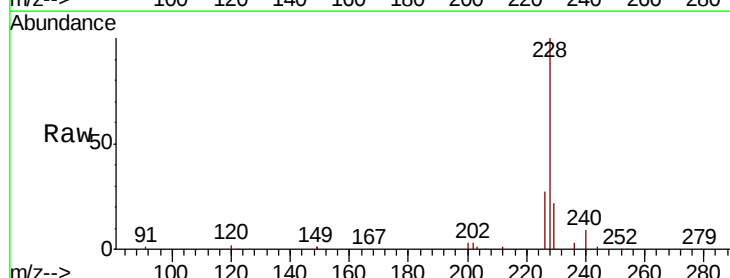
Tgt Ion:228 Resp: 213309

Ion Ratio Lower Upper

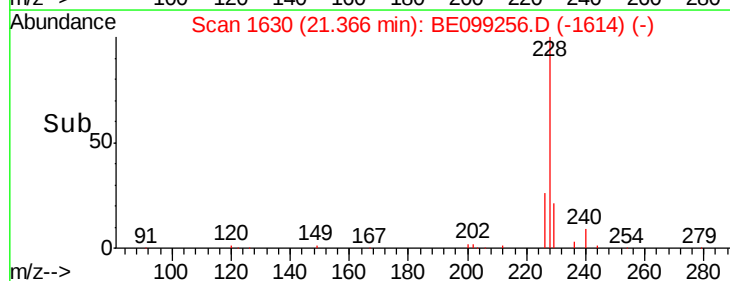
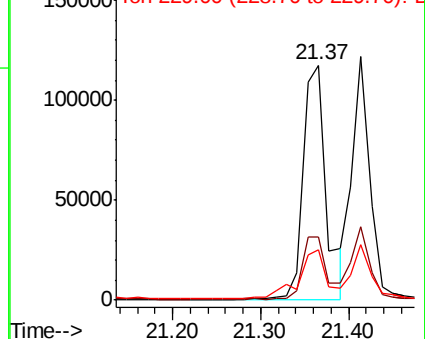
228 100

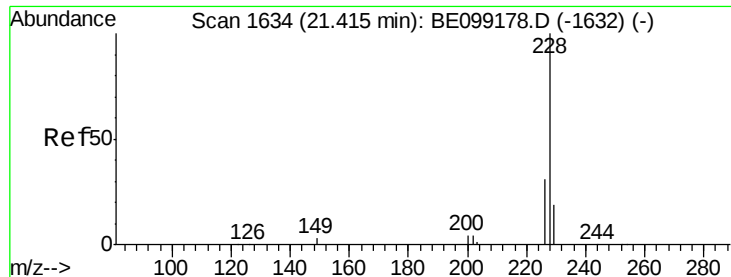
226 26.7 21.7 32.5

229 21.6 15.9 23.9



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: 1.188 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

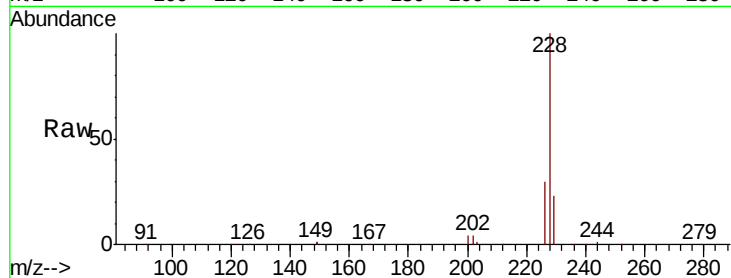
Tgt Ion:228 Resp: 167231

Ion Ratio Lower Upper

228 100

226 30.3 24.8 37.2

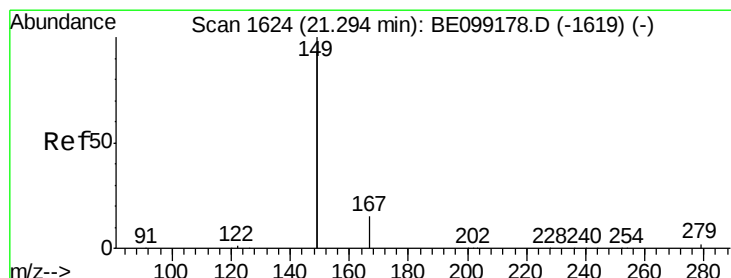
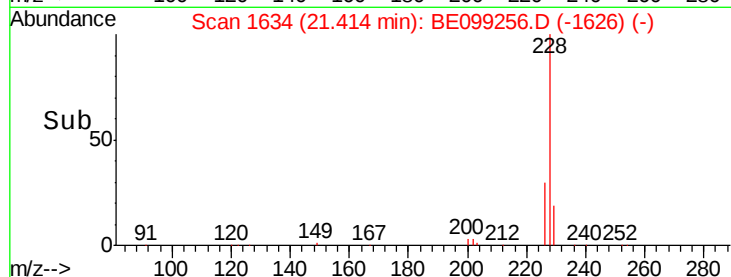
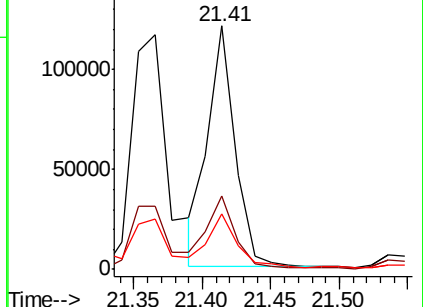
229 22.8 15.4 23.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.109 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

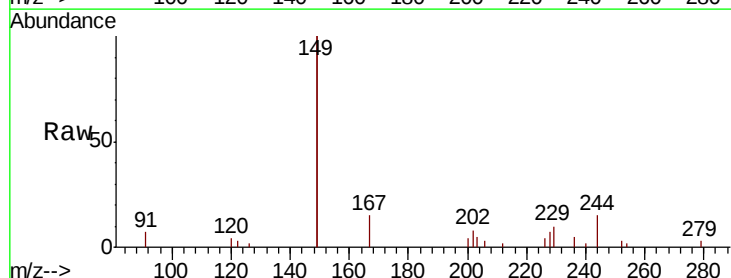
Tgt Ion:149 Resp: 17044

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

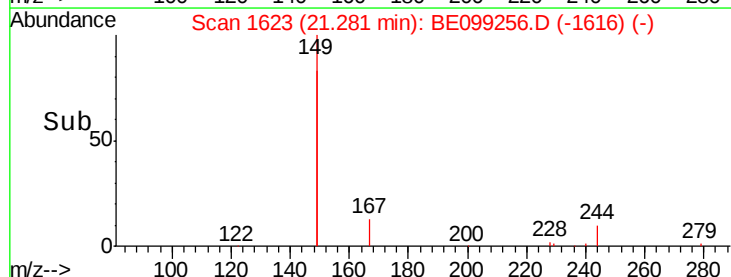
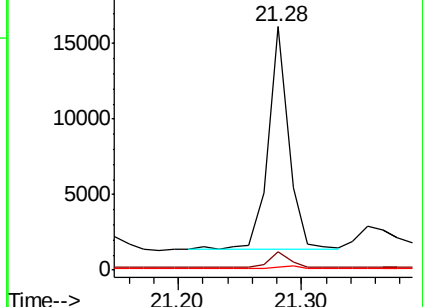
279 1.4 1.0 1.6

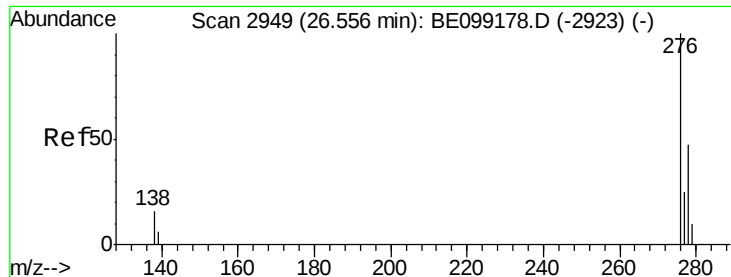


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

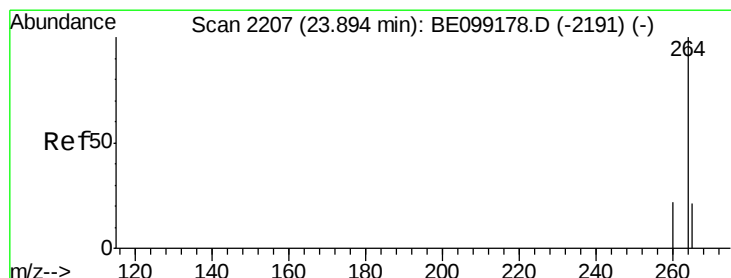
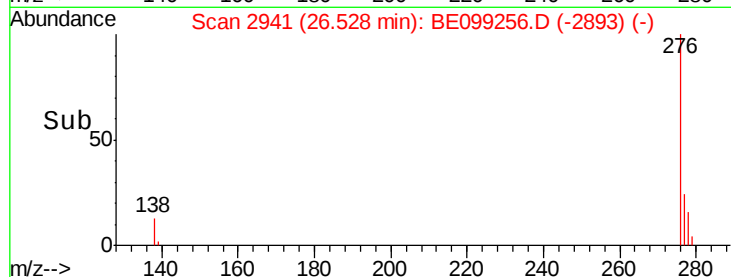
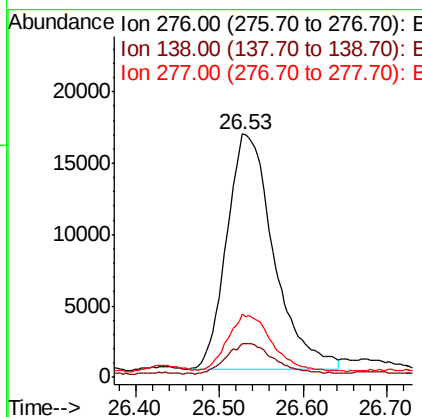
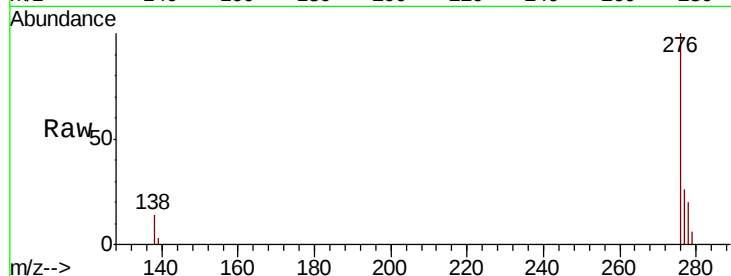




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.483 ng  
 RT: 26.53 min Scan# 2941  
 Delta R.T. -0.03 min  
 Lab File: BE099256.D  
 Acq: 29 Mar 2019 15:51

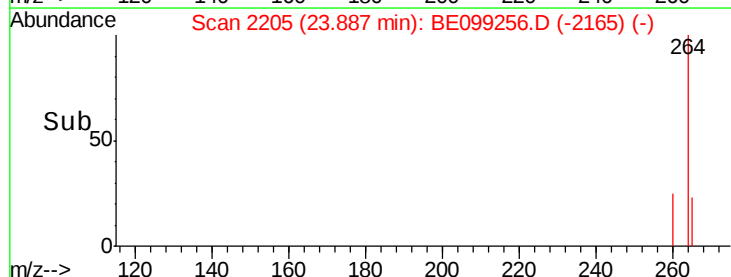
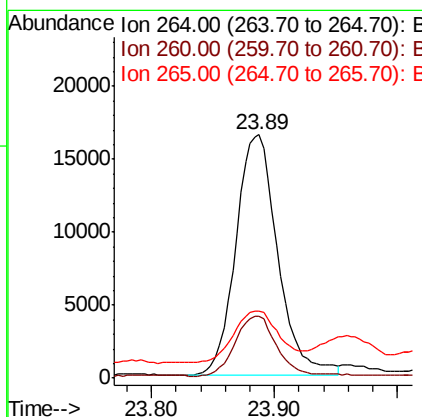
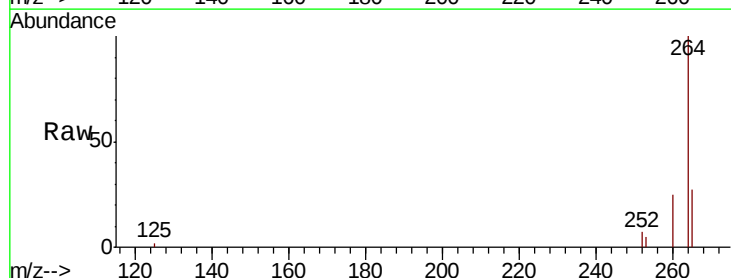
Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-027-SW013-032519

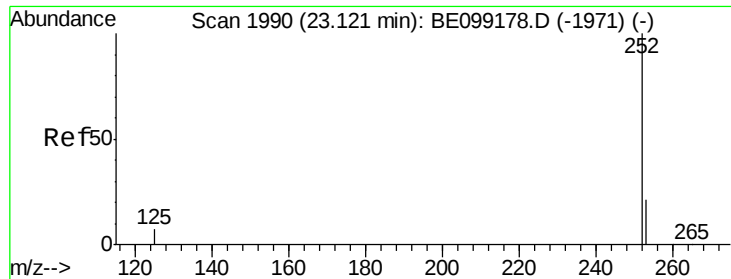
Tgt Ion: 276 Resp: 64264  
 Ion Ratio Lower Upper  
 276 100  
 138 13.0 12.9 19.3  
 277 22.9 18.3 27.5



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.89 min Scan# 2205  
 Delta R.T. -0.01 min  
 Lab File: BE099256.D  
 Acq: 29 Mar 2019 15:51

Tgt Ion: 264 Resp: 38995  
 Ion Ratio Lower Upper  
 264 100  
 260 25.4 18.2 27.2  
 265 27.5 21.8 32.8





#35

Benzo(b)fluoranthene

Concen: 1.397 ng

RT: 23.11 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

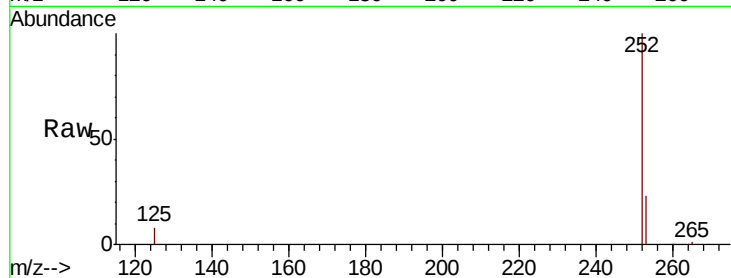
Tgt Ion:252 Resp: 179322

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

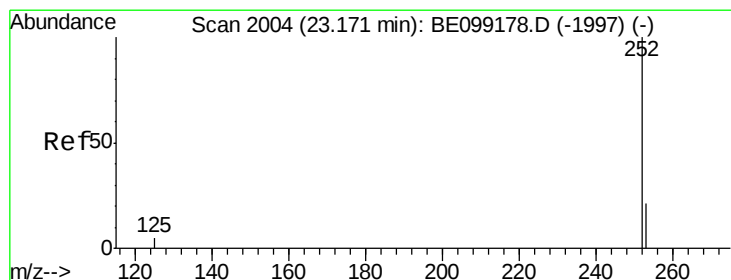
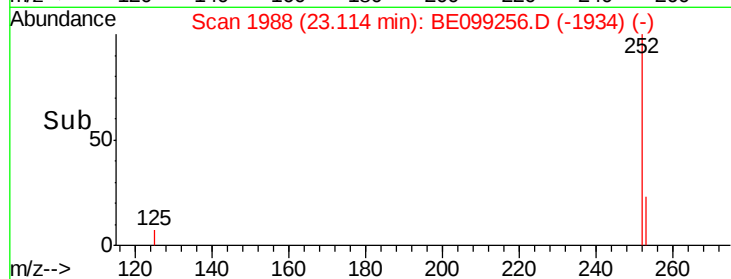
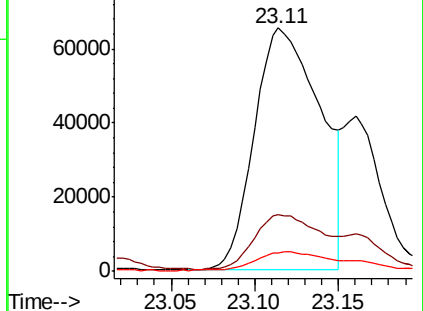
125 7.7 6.1 9.1



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



#36

Benzo(k)fluoranthene

Concen: 1.322 ng

RT: 23.11 min Scan# 1988

Delta R.T. -0.06 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

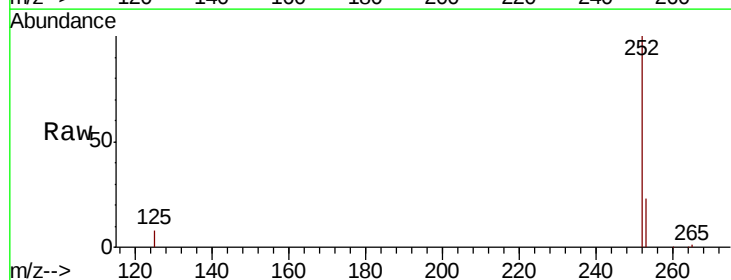
Tgt Ion:252 Resp: 179322

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

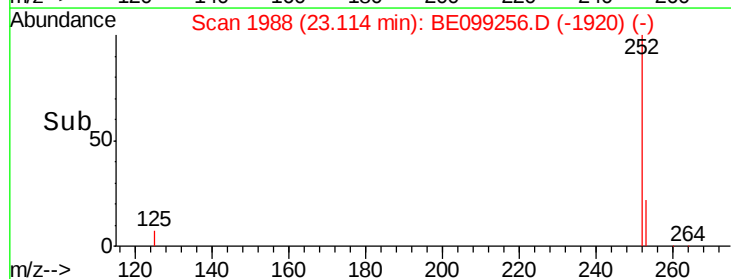
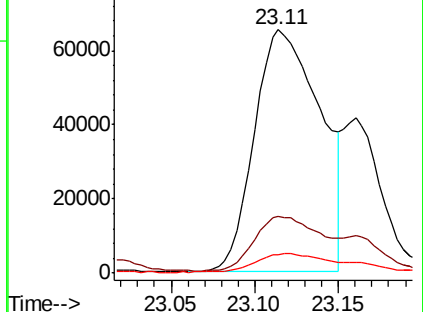
125 7.7 5.9 8.9

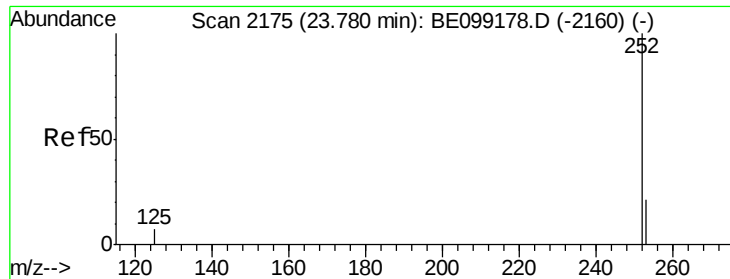


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.068 ng

RT: 23.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519

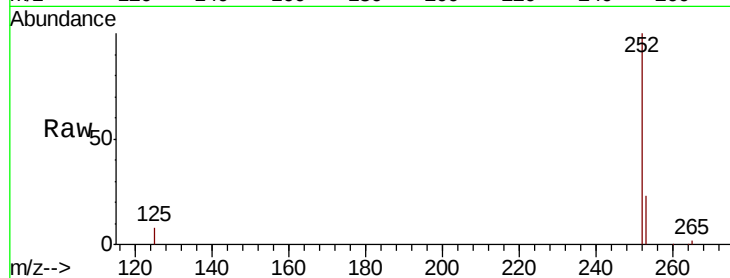
Tgt Ion:252 Resp: 128001

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

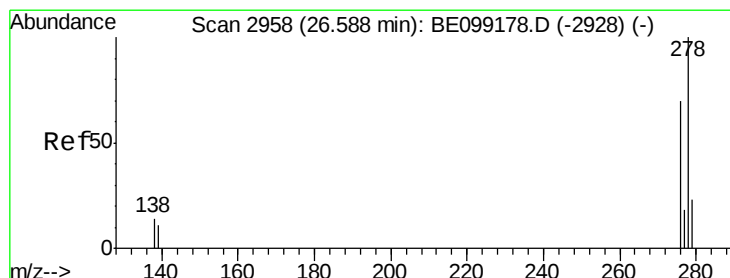
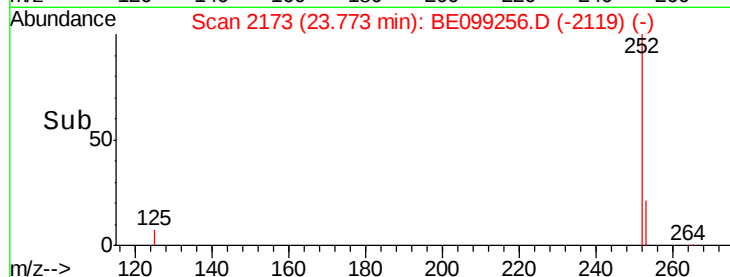
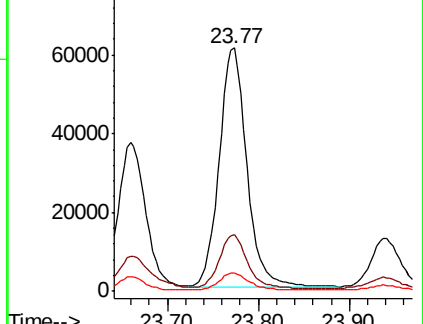
125 7.8 6.8 10.2



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: 0.165 ng

RT: 26.56 min Scan# 2949

Delta R.T. -0.03 min

Lab File: BE099256.D

Acq: 29 Mar 2019 15:51

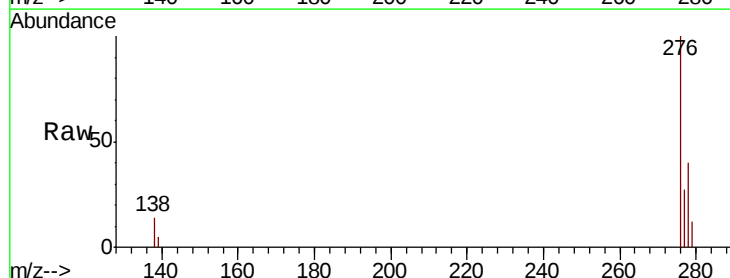
Tgt Ion:278 Resp: 17560

Ion Ratio Lower Upper

278 100

139 12.2 9.5 14.3

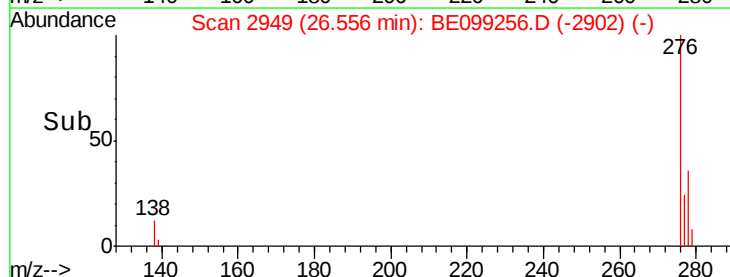
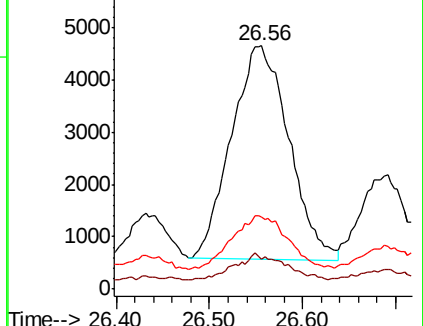
279 29.5 19.1 28.7#

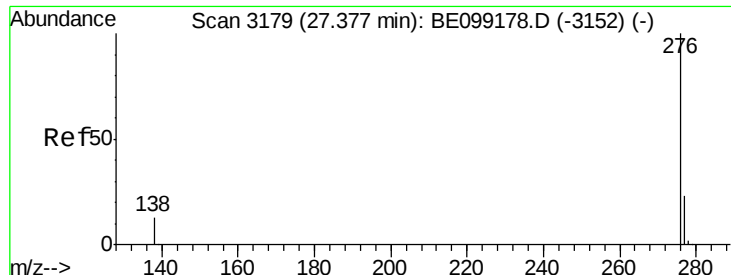


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.566 ng

RT: 27.35 min Scan# 3172

Delta R.T. -0.03 min

Lab File: BE099256.D

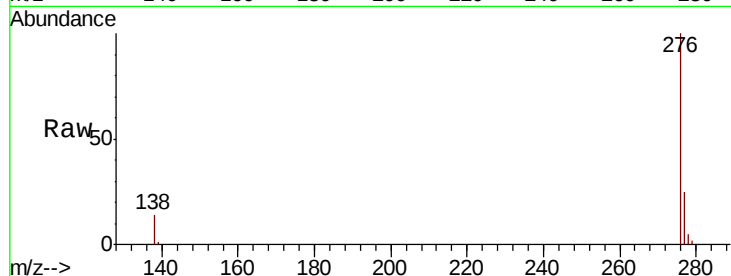
Acq: 29 Mar 2019 15:51

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW013-032519



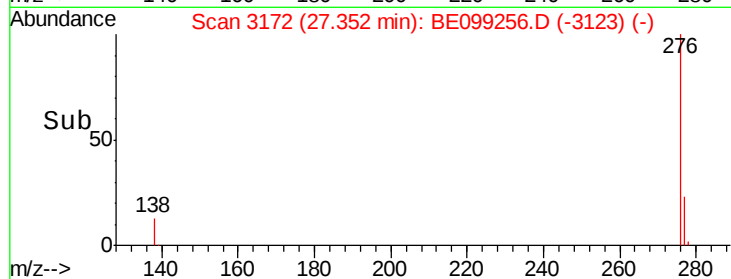
Tgt Ion: 276 Resp: 60439

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 13.7 11.1 16.7



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

