

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112319\  
 Data File : BN008731.D  
 Acq On : 23 Nov 2019 16:24  
 Operator : JU  
 Sample : K5803-03  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 KY038PS037-191111

Quant Time: Nov 25 12:53:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN112219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 25 10:49:40 2019  
 Response via : Initial Calibration

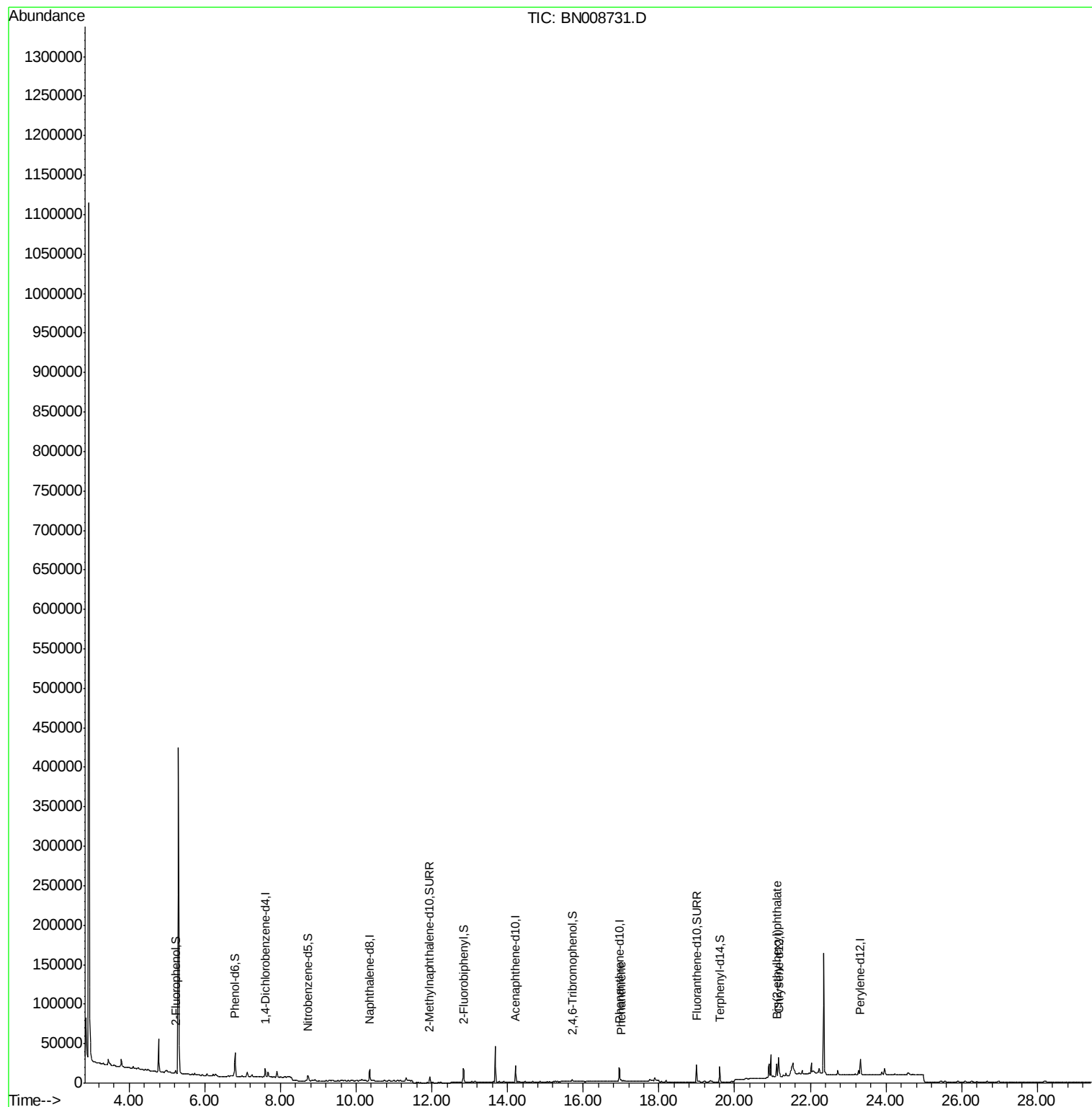
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.60  | 152  | 5139     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.35 | 136  | 18855    | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.21 | 164  | 11251    | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10           | 16.95 | 188  | 23965    | 0.40  | ng    | -0.01       |
| 27) Chrysene-d12               | 21.16 | 240  | 23402    | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 23.32 | 264  | 24455    | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.23  | 112  | 2678     | 0.20  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.78  | 99   | 2243     | 0.13  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.72  | 82   | 5379     | 0.32  | ng    | -0.01       |
| 11) 2-Methylnaphthalene-d10    | 11.94 | 152  | 10121    | 0.34  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 15.71 | 330  | 1909     | 0.36  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 12.83 | 172  | 15264    | 0.35  | ng    | -0.01       |
| 25) Fluoranthene-d10           | 18.99 | 212  | 23125    | 0.33  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.61 | 244  | 18660    | 0.33  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 23) Phenanthrene               | 17.00 | 178  | 2223     | 0.030 | ng    | Qvalue # 86 |
| 32) Bis(2-ethylhexyl)phthalate | 21.11 | 149  | 16479    | 0.296 | ng    | 99          |

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

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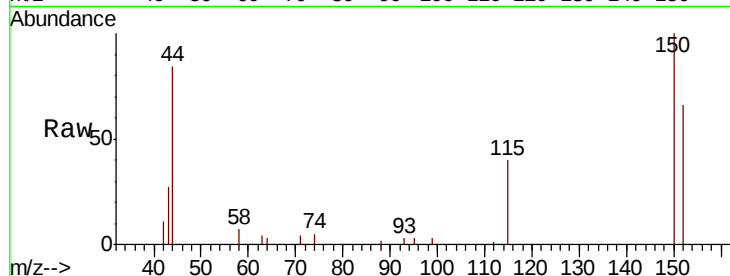


#1

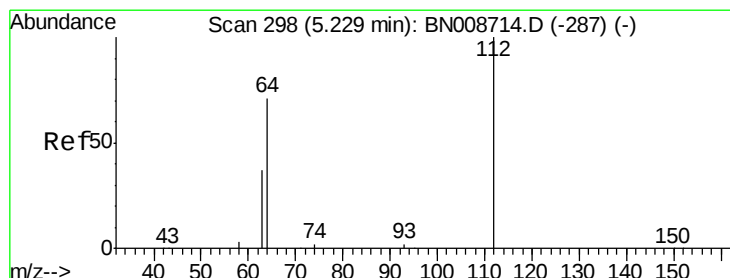
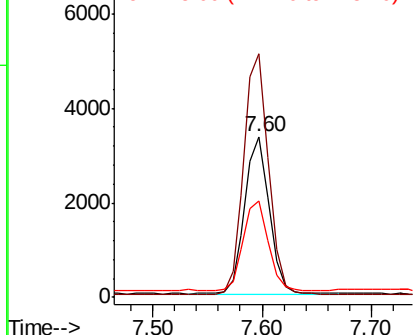
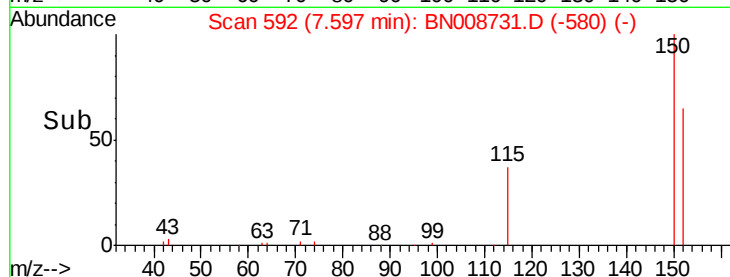
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.60 min Scan# 592  
Delta R.T. 0.00 min  
Lab File: BN008731.D  
Acq: 23 Nov 2019 16:24

Instrument :  
BNA\_N  
ClientSampleId :  
KY038PS037-191111

Tot Ion:152 Resp: 5139  
Ion Ratio Lower Upper  
152 100  
150 151.8 124.0 186.0  
115 60.0 49.8 74.8



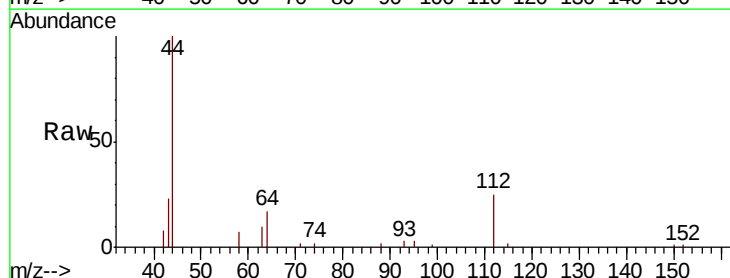
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



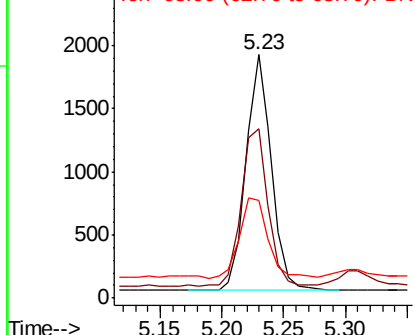
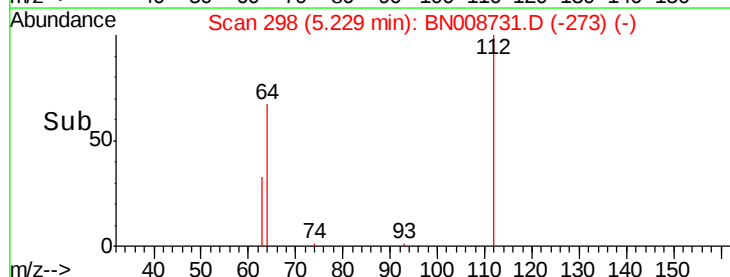
#4

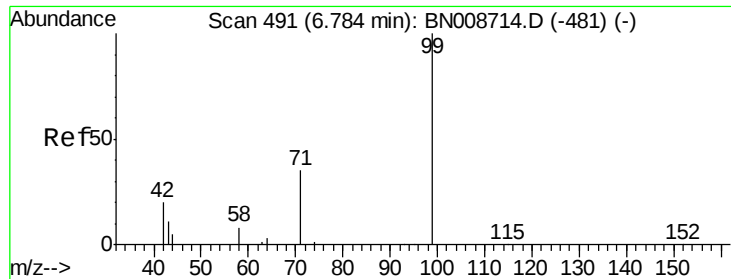
2-Fluorophenol  
Concen: 0.199 ng  
RT: 5.23 min Scan# 298  
Delta R.T. 0.00 min  
Lab File: BN008731.D  
Acq: 23 Nov 2019 16:24

Tgt Ion:112 Resp: 2678  
Ion Ratio Lower Upper  
112 100  
64 70.9 57.1 85.7  
63 37.6 29.7 44.5



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





#5

Phenol-d6

Concen: 0.132 ng

RT: 6.78 min Scan# 491

Delta R.T. -0.00 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

KY038PS037-191111

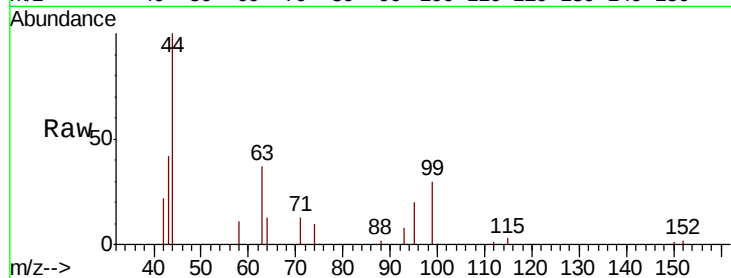
Tot Ion: 99 Resp: 2243

Ion Ratio Lower Upper

99 100

42 0.0 19.4 29.2#

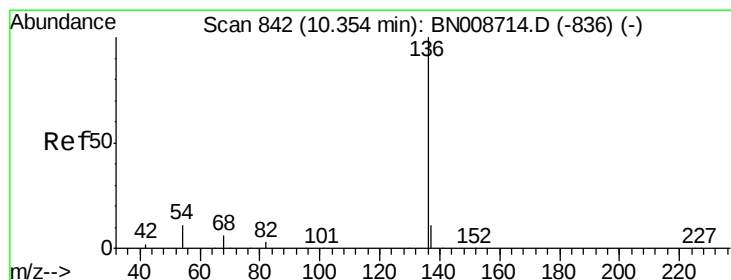
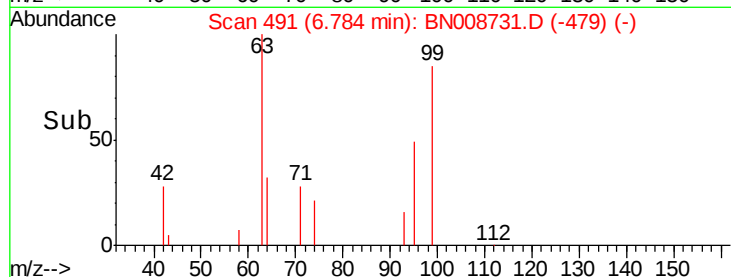
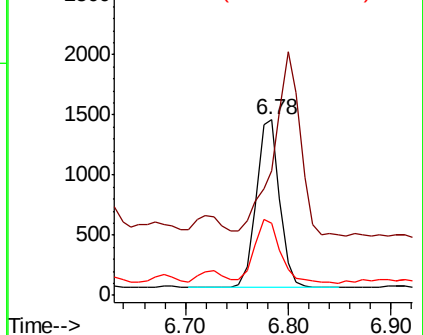
71 41.2 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BN008731.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN008731.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN008731.D (-479) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.35 min Scan# 842

Delta R.T. -0.00 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

Tgt Ion: 136 Resp: 18855

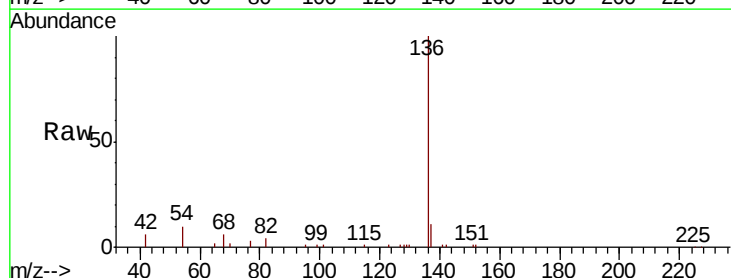
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 10.0 9.4 14.2

68 6.2 5.8 8.6

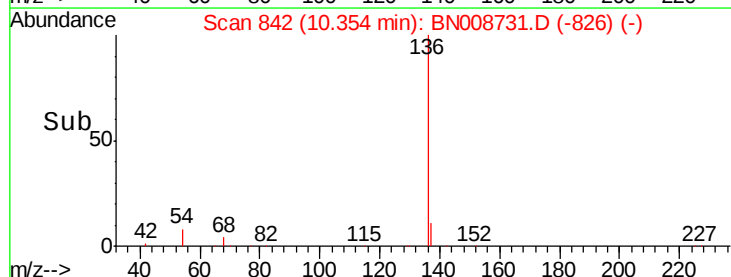
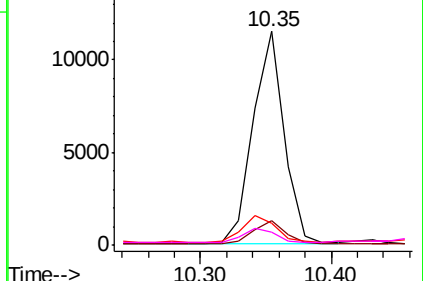


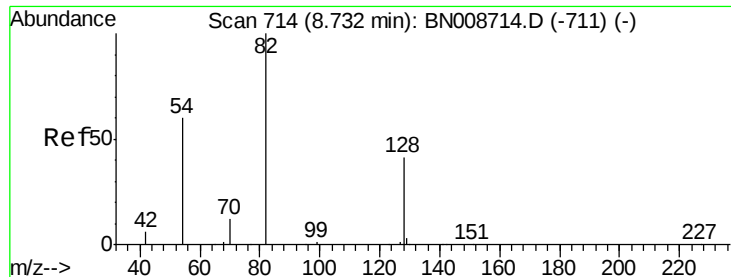
Abundance Ion 136.00 (135.70 to 136.70): BN008731.D (-826) (-)

Ion 137.00 (136.70 to 137.70): BN008731.D (-826) (-)

Ion 54.00 (53.70 to 54.70): BN008731.D (-826) (-)

Ion 68.00 (67.70 to 68.70): BN008731.D (-826) (-)





#8

Nitrobenzene-d5

Concen: 0.317 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.01 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

Instrument :

BNA\_N

ClientSampleId :

KY038PS037-191111

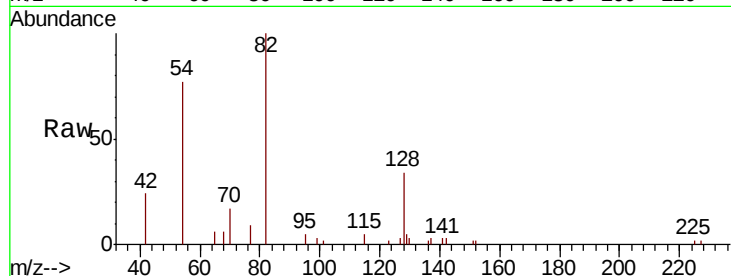
Tot Ion: 82 Resp: 5379

Ion Ratio Lower Upper

82 100

128 34.0 34.6 52.0#

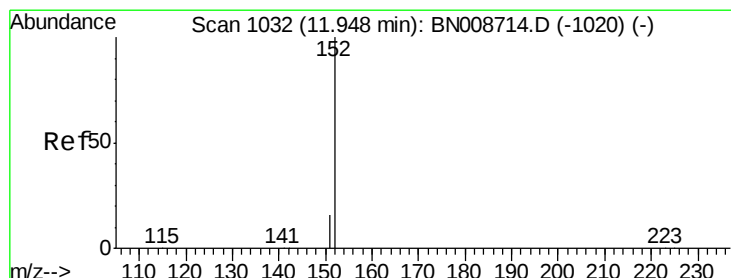
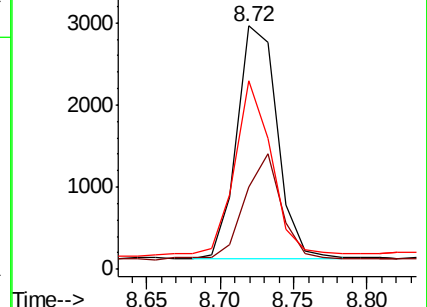
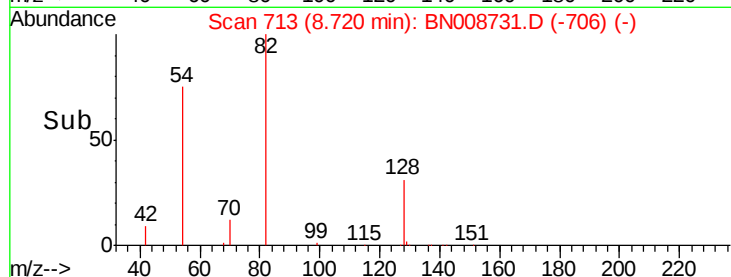
54 77.4 50.2 75.4#



Abundance Ion 82.00 (81.70 to 82.70): BN008731.D (-706) (-)

Ion 128.00 (127.70 to 128.70): BN008731.D (-706) (-)

Ion 54.00 (53.70 to 54.70): BN008731.D (-706) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.340 ng

RT: 11.94 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BN008731.D

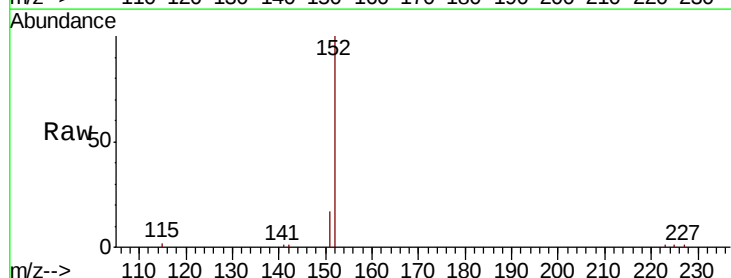
Acq: 23 Nov 2019 16:24

Tgt Ion: 152 Resp: 10121

Ion Ratio Lower Upper

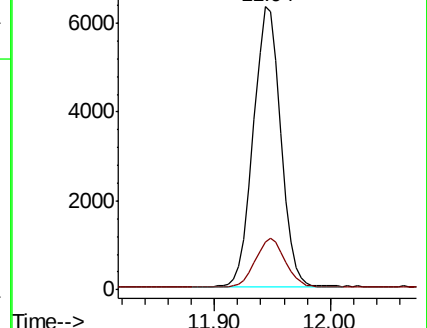
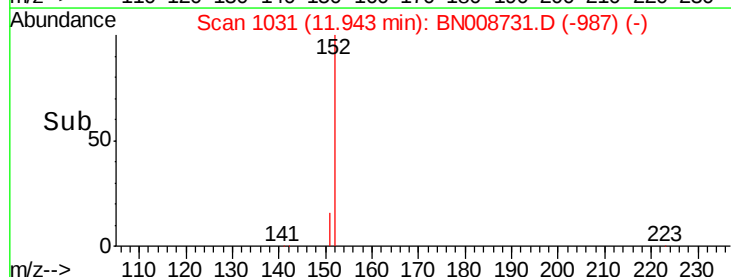
152 100

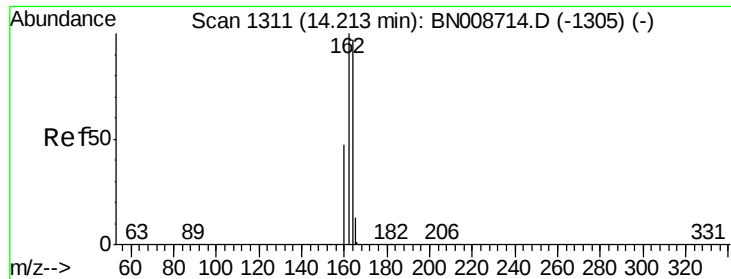
151 19.0 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): BN008731.D (-987) (-)

Ion 151.00 (150.70 to 151.70): BN008731.D (-987) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.21 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

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ClientSampleId :

KY038PS037-191111

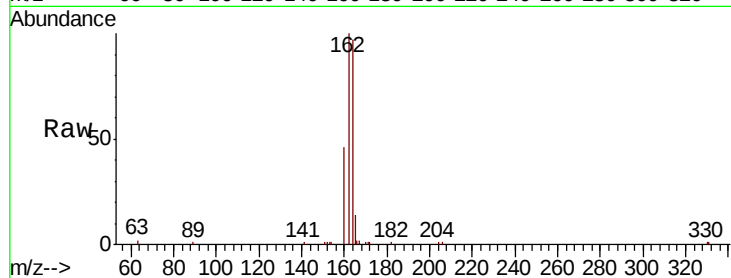
Tot Ion:164 Resp: 11251

Ion Ratio Lower Upper

164 100

162 103.1 82.2 123.4

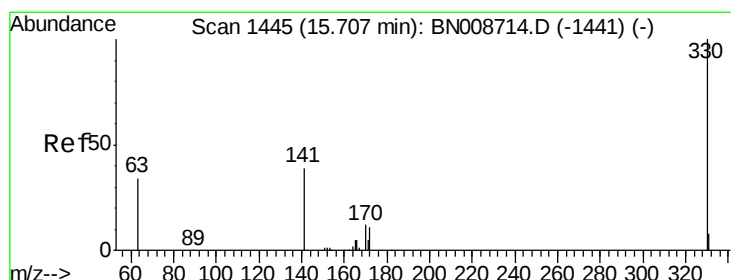
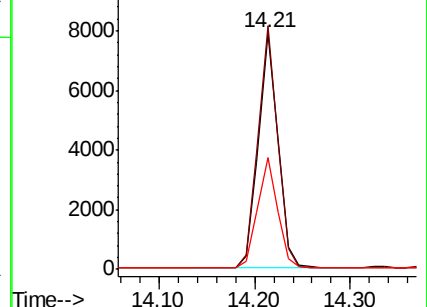
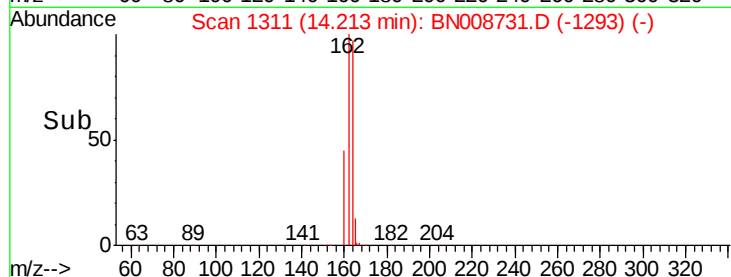
160 47.2 38.7 58.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.365 ng

RT: 15.71 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

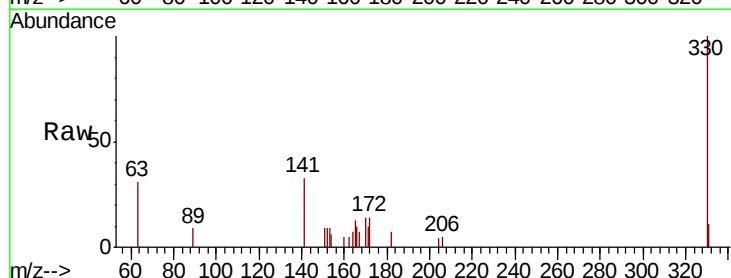
Tgt Ion:330 Resp: 1909

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

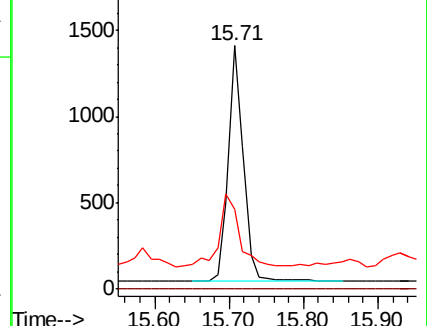
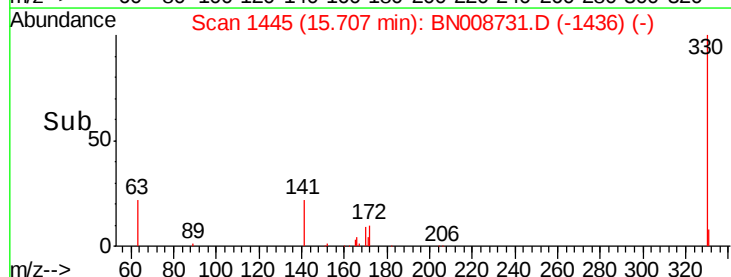
141 41.7 29.5 44.3

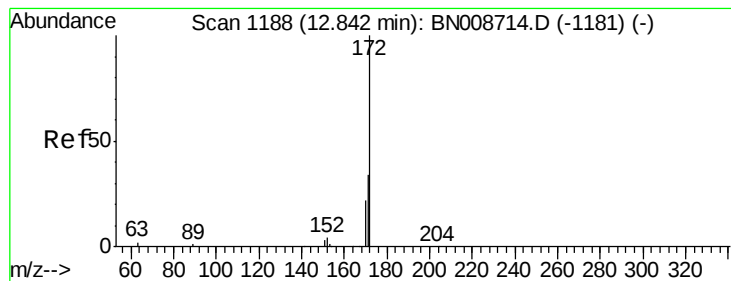


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.347 ng

RT: 12.83 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

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KY038PS037-191111

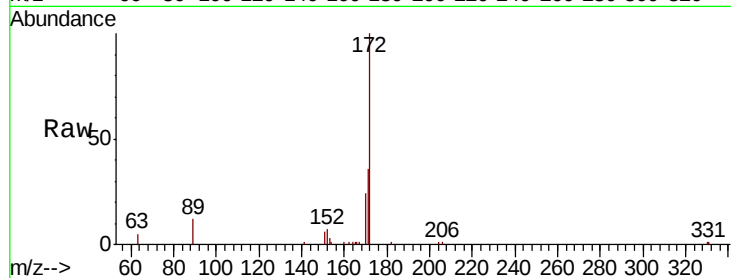
Tot Ion:172 Resp: 15264

Ion Ratio Lower Upper

172 100

171 35.6 27.3 40.9

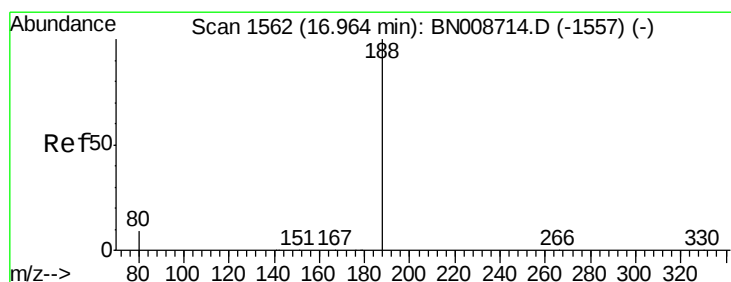
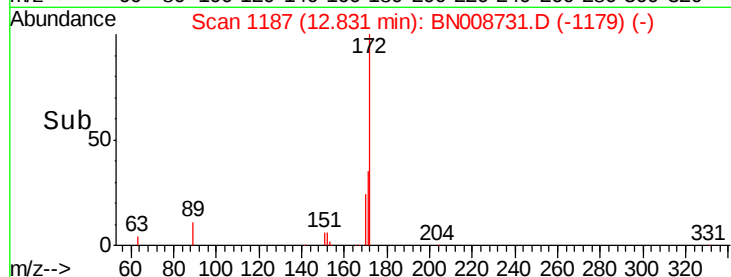
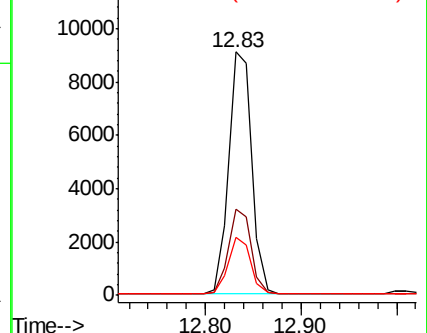
170 24.1 17.8 26.6



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

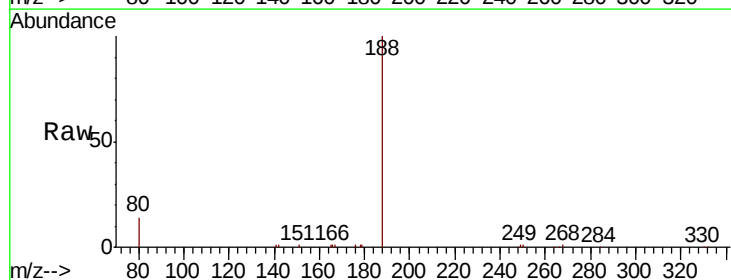
Tgt Ion:188 Resp: 23965

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

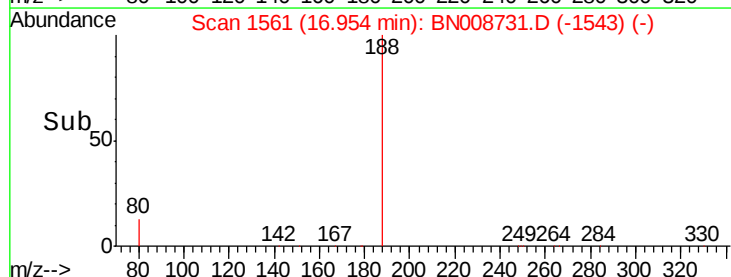
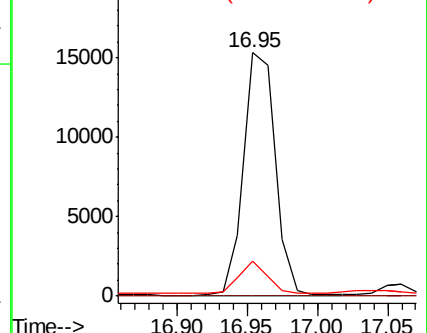
80 14.4 7.4 11.0#

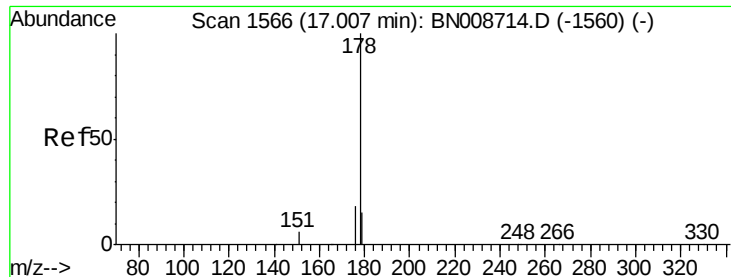


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.030 ng

RT: 17.00 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

Instrument :

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ClientSampleId :

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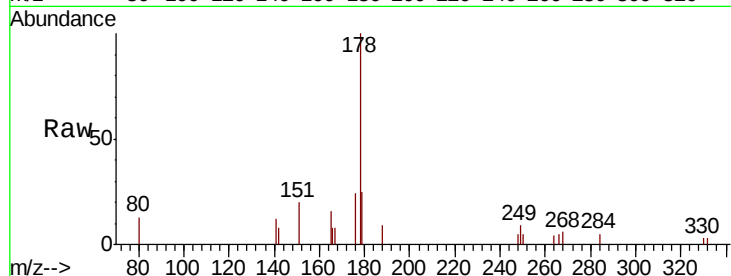
Tot Ion:178 Resp: 2223

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 28.6 12.3 18.5#

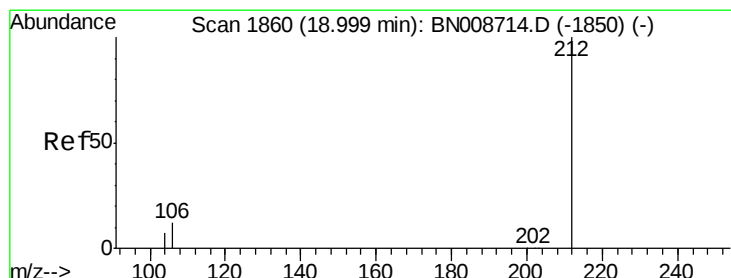
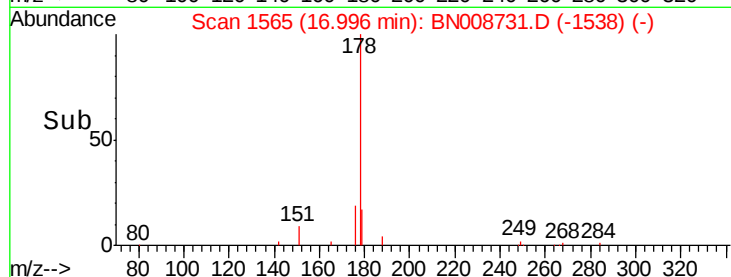
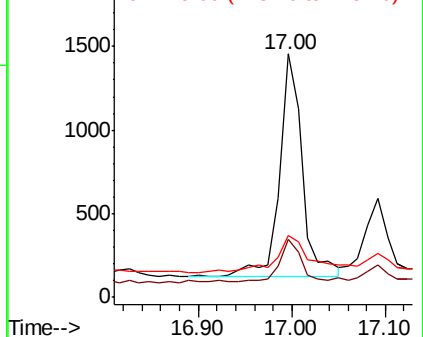


Abundance

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



#25

Fluoranthene-d10

Concen: 0.328 ng

RT: 18.99 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

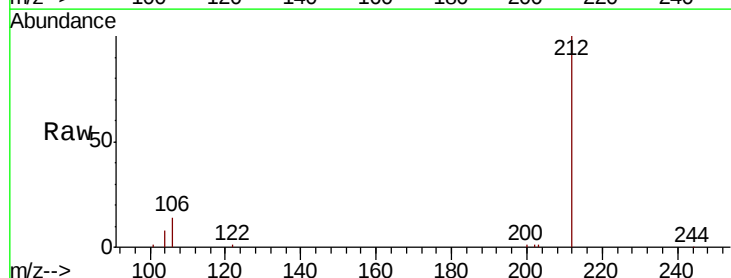
Tgt Ion:212 Resp: 23125

Ion Ratio Lower Upper

212 100

106 13.5 10.6 15.8

104 7.7 6.0 9.0

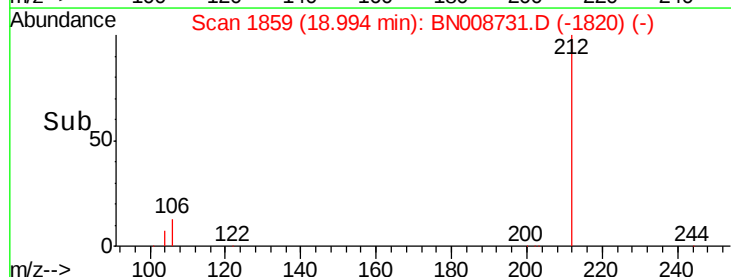
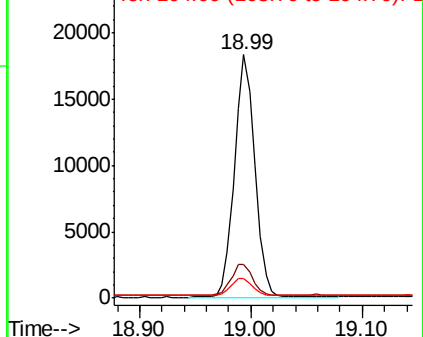


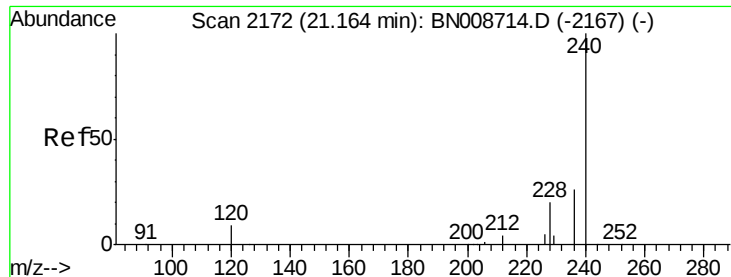
Abundance

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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

Instrument :

BNA\_N

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KY038PS037-191111

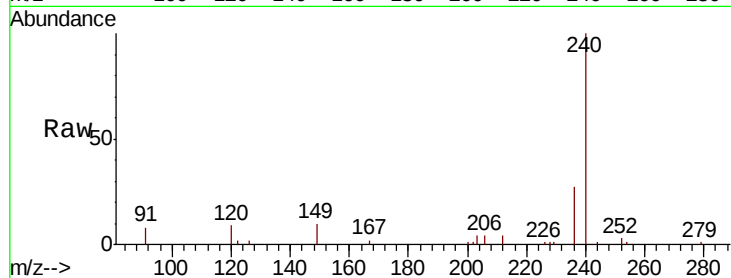
Tot Ion:240 Resp: 23402

Ion Ratio Lower Upper

240 100

120 8.8 9.0 13.4#

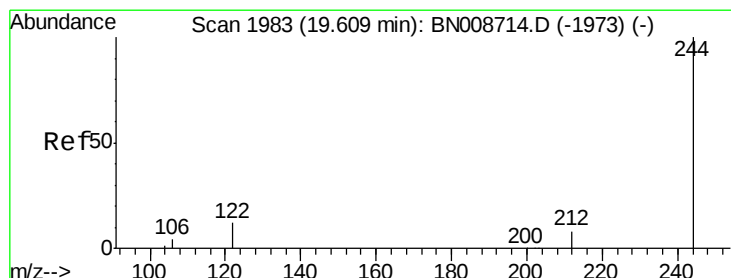
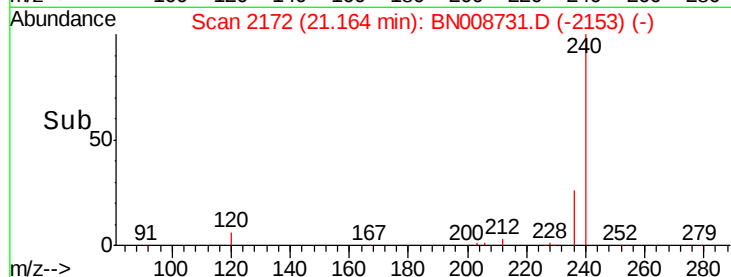
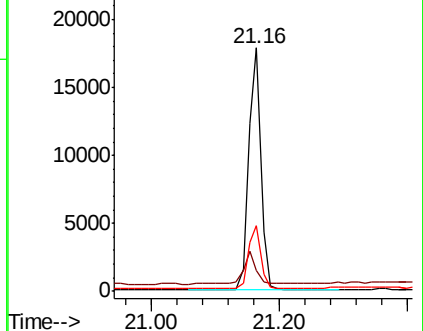
236 27.2 21.8 32.6



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



#29

Terphenyl-d14

Concen: 0.331 ng

RT: 19.61 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BN008731.D

Acq: 23 Nov 2019 16:24

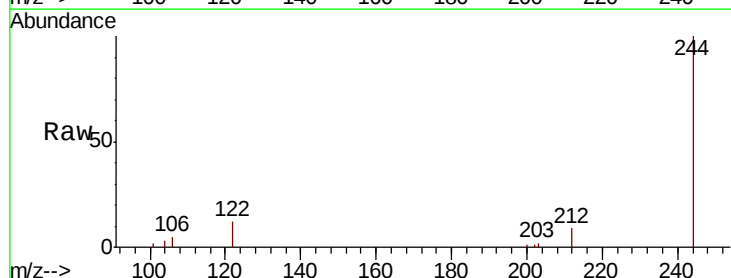
Tgt Ion:244 Resp: 18660

Ion Ratio Lower Upper

244 100

212 8.5 6.6 9.8

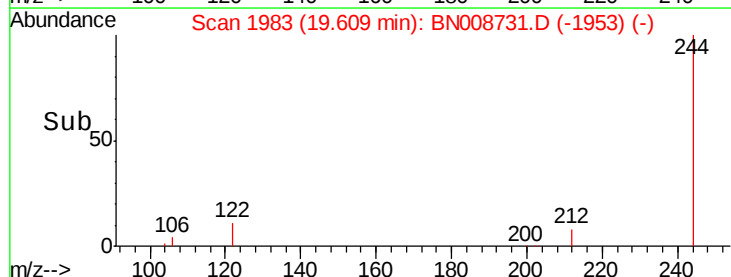
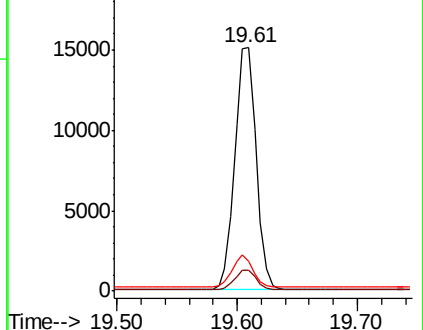
122 12.2 10.1 15.1

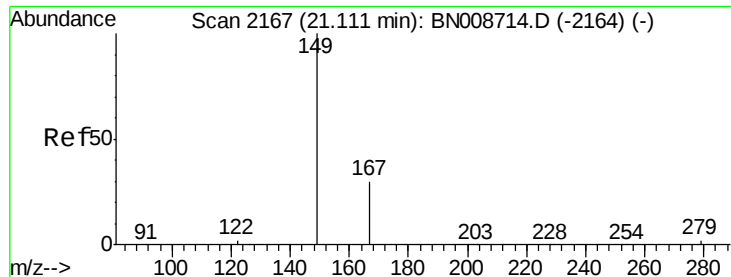


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

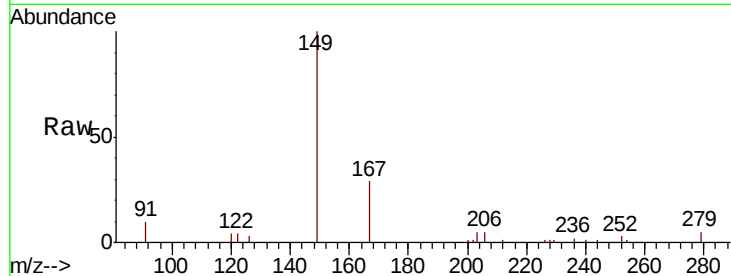




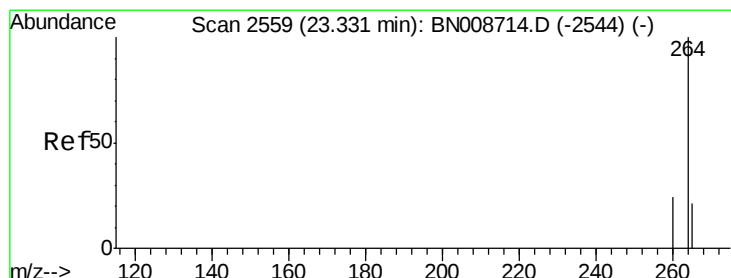
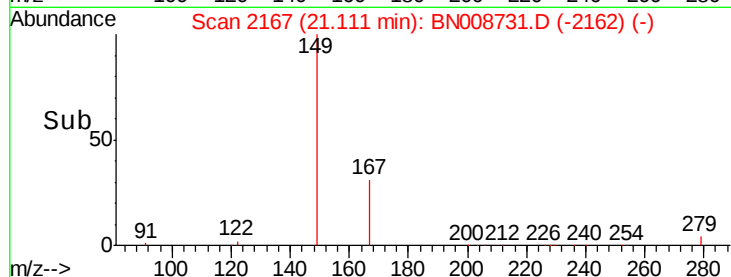
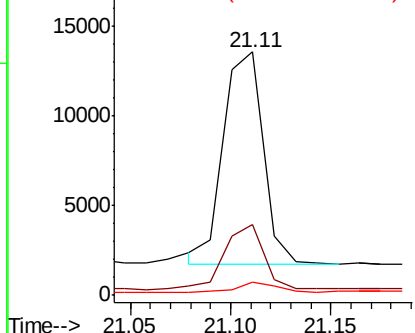
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.296 ng  
 RT: 21.11 min Scan# 2167  
 Delta R.T. -0.00 min  
 Lab File: BN008731.D  
 Acq: 23 Nov 2019 16:24

Instrument :  
 BNA\_N  
 ClientSampleId :  
 KY038PS037-191111

Tot Ion:149 Resp: 16479  
 Ion Ratio Lower Upper  
 149 100  
 167 28.7 23.5 35.3  
 279 3.8 3.4 5.0

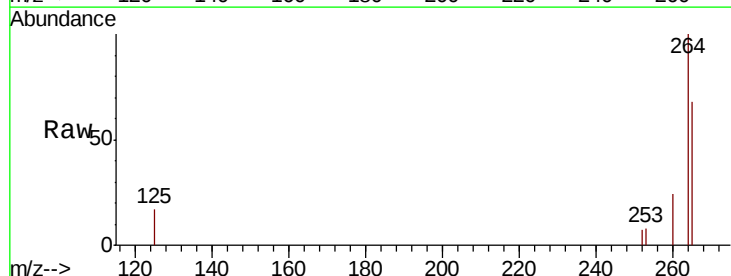


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.32 min Scan# 2557  
 Delta R.T. -0.01 min  
 Lab File: BN008731.D  
 Acq: 23 Nov 2019 16:24

Tgt Ion:264 Resp: 24455  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 19.6 29.4  
 265 67.7 61.8 92.6



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

