

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120519\  
 Data File : BN008849.D  
 Acq On : 05 Dec 2019 15:20  
 Operator : JU  
 Sample : K5609-13DL 5X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PT-PAH-SOILDL

Quant Time: Dec 05 15:59:01 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN120419.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Dec 04 15:42:09 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 3713     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.32 | 136  | 15960    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.19 | 164  | 11190    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.93 | 188  | 25872    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.14 | 240  | 27220    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.30 | 264  | 29997    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| 4) 2-Fluorophenol           | 5.20  | 112 | 817  | 0.08 | ng | 0.00  |
| 5) Phenol-d6                | 6.75  | 99  | 1222 | 0.09 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.69  | 82  | 881  | 0.06 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.92 | 152 | 1620 | 0.06 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.68 | 330 | 449  | 0.07 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.81 | 172 | 2890 | 0.07 | ng | 0.00  |
| 25) Fluoranthene-d10        | 18.97 | 212 | 5004 | 0.06 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.59 | 244 | 4518 | 0.07 | ng | 0.00  |

#### Target Compounds

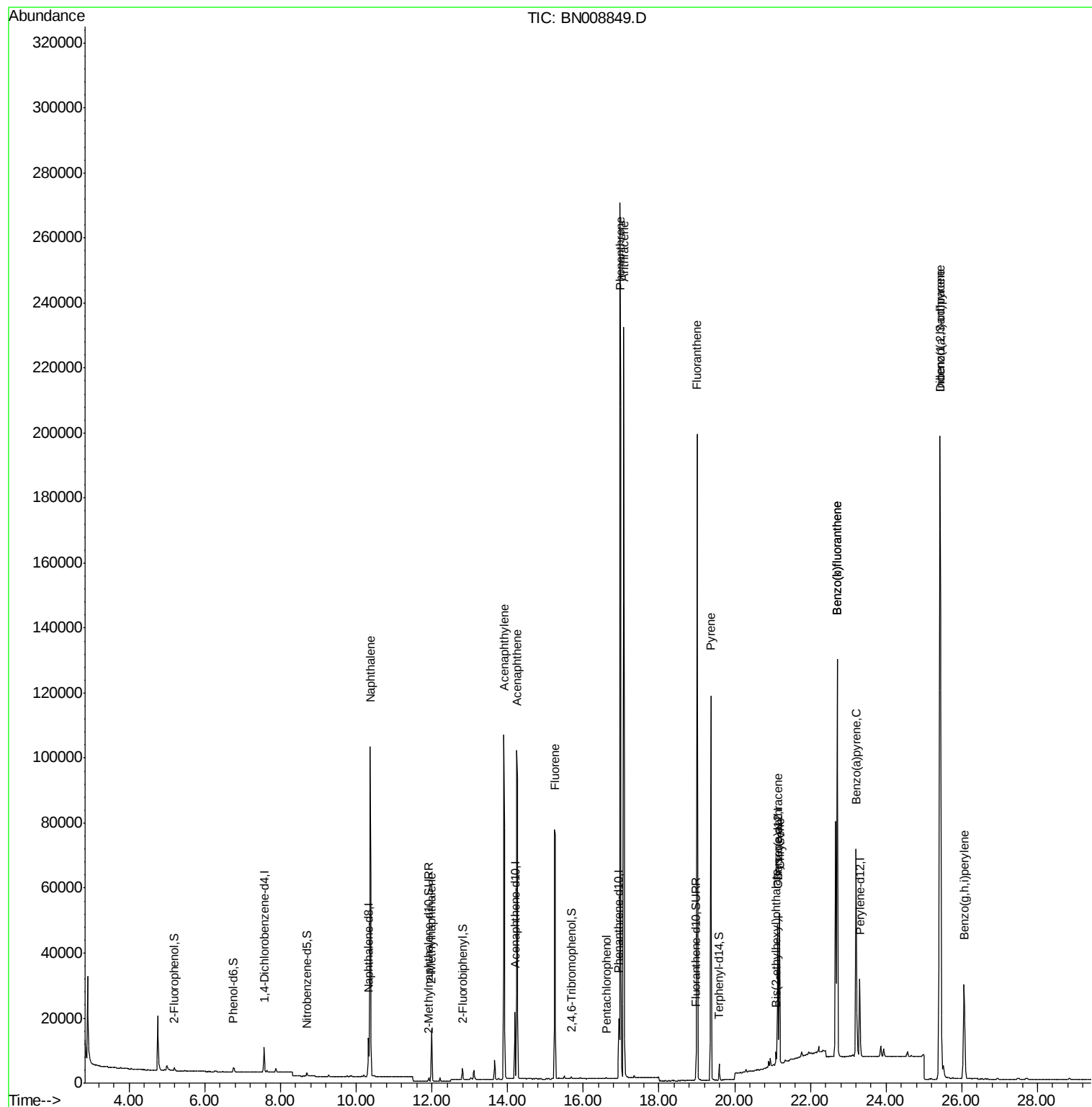
|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.37 | 128 | 127030 | 2.985 | ng | 99     |
| 12) 2-Methylnaphthalene        | 11.99 | 142 | 11679  | 0.372 | ng | 100    |
| 16) Acenaphthylene             | 13.90 | 152 | 114641 | 2.196 | ng | 100    |
| 17) Acenaphthene               | 14.25 | 154 | 54857  | 1.657 | ng | 99     |
| 18) Fluorene                   | 15.25 | 166 | 53457  | 1.217 | ng | 99     |
| 22) Pentachlorophenol          | 16.60 | 266 | 148    | 0.021 | ng | # 84   |
| 23) Phenanthrene               | 16.97 | 178 | 279818 | 3.543 | ng | 100    |
| 24) Anthracene                 | 17.07 | 178 | 231579 | 3.194 | ng | 100    |
| 26) Fluoranthene               | 19.01 | 202 | 177946 | 1.871 | ng | 99     |
| 28) Pyrene                     | 19.37 | 202 | 103668 | 1.092 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.13 | 228 | 28501  | 0.290 | ng | 100    |
| 31) Chrysene                   | 21.19 | 228 | 38808  | 0.406 | ng | 100    |
| 32) Bis(2-ethylhexyl)phthalate | 21.09 | 149 | 3529   | 0.054 | ng | 98     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.42 | 276 | 203900 | 1.729 | ng | 99     |
| 35) Benzo(b)fluoranthene       | 22.71 | 252 | 142457 | 1.430 | ng | 95     |
| 36) Benzo(k)fluoranthene       | 22.71 | 252 | 142457 | 1.455 | ng | # 93   |
| 37) Benzo(a)pyrene             | 23.21 | 252 | 82422  | 0.877 | ng | # 93   |
| 38) Dibenzo(a,h)anthracene     | 25.43 | 278 | 188835 | 1.968 | ng | 95     |
| 39) Benzo(g,h,i)perylene       | 26.06 | 276 | 55875  | 0.575 | ng | 99     |

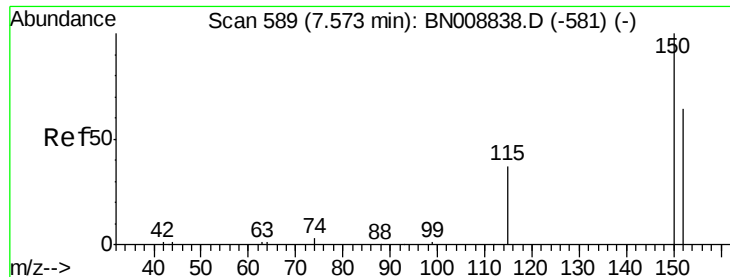
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120519\  
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ALS Vial : 6 Sample Multiplier: 1

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Quant Time: Dec 05 15:59:01 2019  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



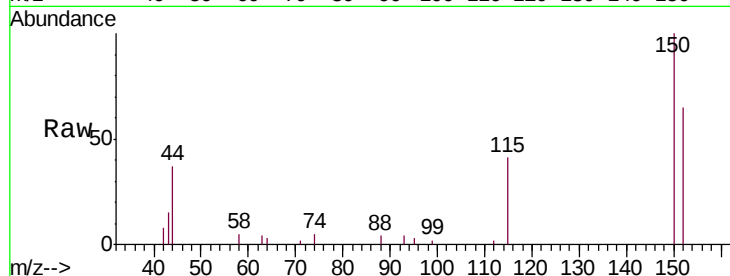


#1

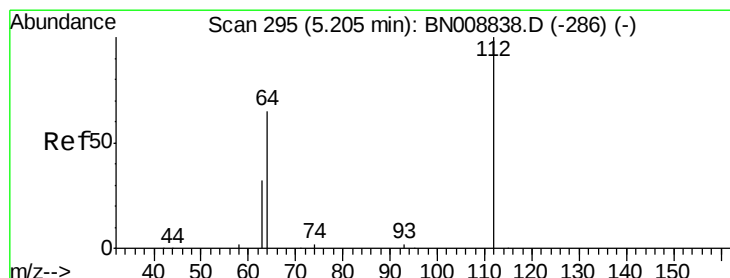
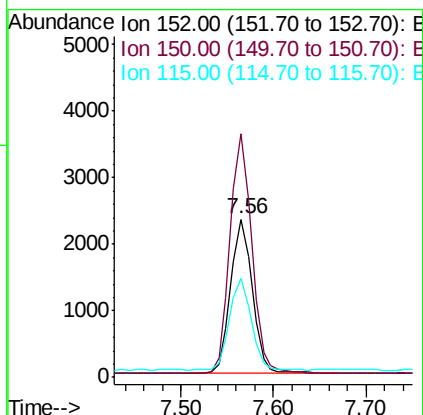
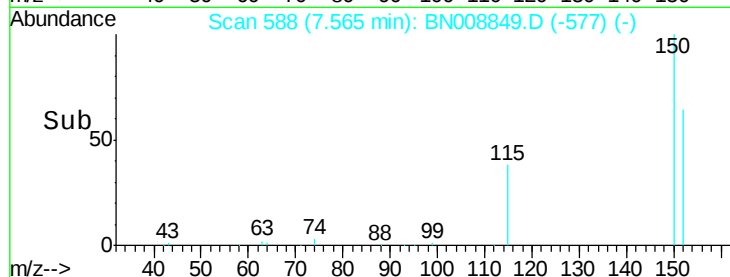
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.56 min Scan# 588  
 Delta R.T. -0.01 min  
 Lab File: BN008849.D  
 Acq: 05 Dec 2019 15:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PT-PAH-SOILDL

Tgt Ion:152 Resp: 3713  
 Ion Ratio Lower Upper  
 152 100  
 150 153.6 123.9 185.9  
 115 62.7 49.9 74.9



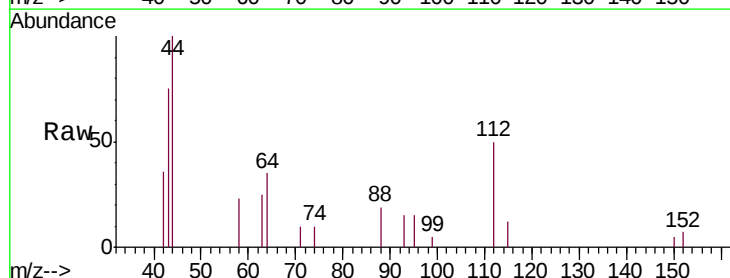
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



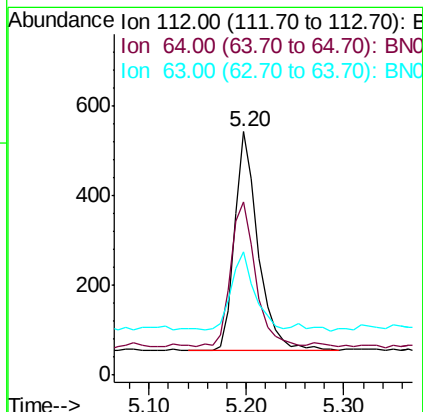
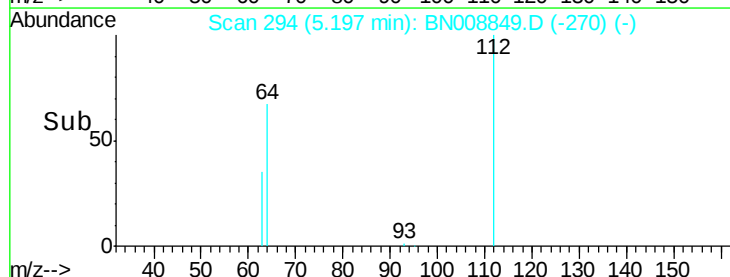
#4

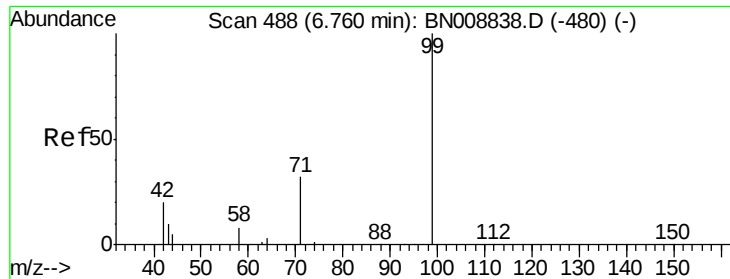
2-Fluorophenol  
 Concen: 0.081 ng  
 RT: 5.20 min Scan# 294  
 Delta R.T. -0.01 min  
 Lab File: BN008849.D  
 Acq: 05 Dec 2019 15:20

Tgt Ion:112 Resp: 817  
 Ion Ratio Lower Upper  
 112 100  
 64 71.4 56.3 84.5  
 63 34.8 28.2 42.2



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: 0.089 ng

RT: 6.75 min Scan# 487

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILD

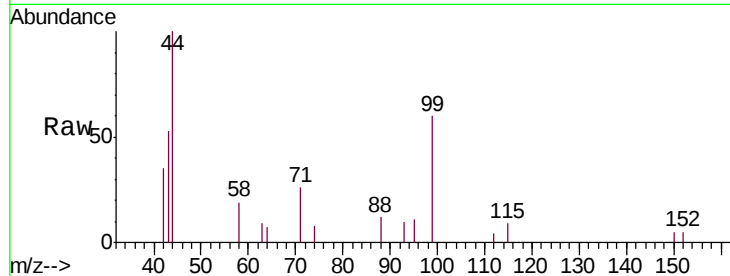
Tgt Ion: 99 Resp: 1222

Ion Ratio Lower Upper

99 100

42 31.9 18.1 27.1#

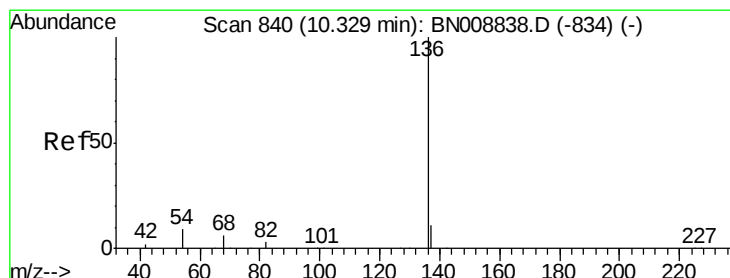
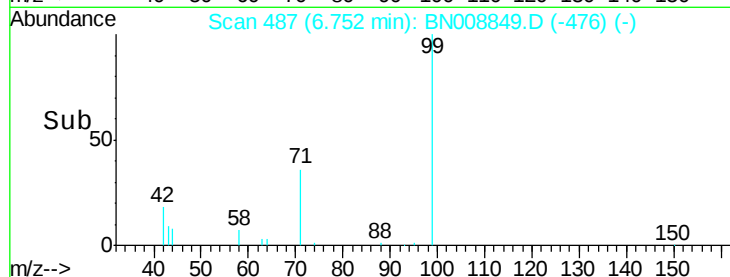
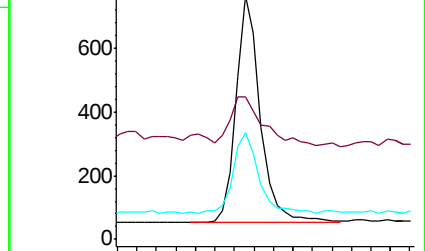
71 37.0 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BN008838.D (-480) (-)

Ion 42.00 (41.70 to 42.70): BN008838.D (-480) (-)

Ion 71.00 (70.70 to 71.70): BN008838.D (-480) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.32 min Scan# 839

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Tgt Ion: 136 Resp: 15960

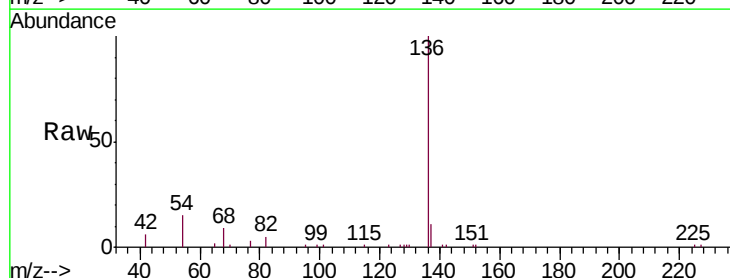
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 15.0 8.2 12.2#

68 8.8 5.4 8.2#

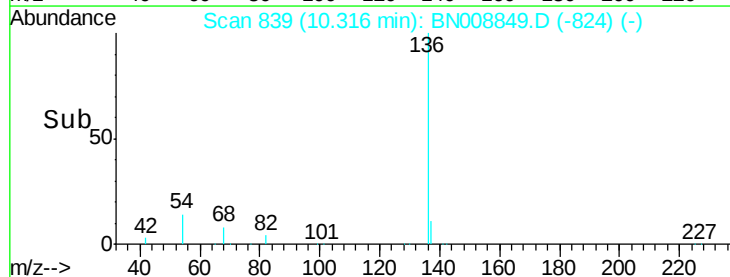
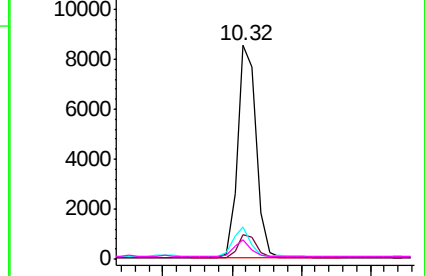


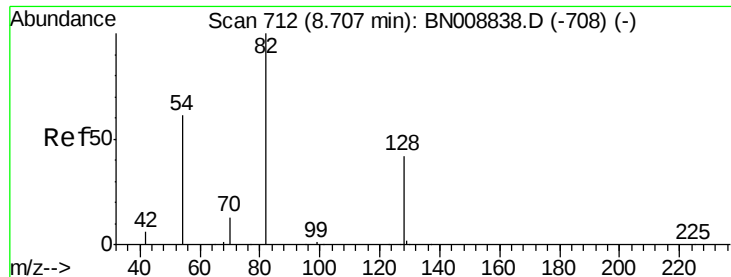
Abundance Ion 136.00 (135.70 to 136.70): BN008838.D (-834) (-)

Ion 137.00 (136.70 to 137.70): BN008838.D (-834) (-)

Ion 54.00 (53.70 to 54.70): BN008838.D (-834) (-)

Ion 68.00 (67.70 to 68.70): BN008838.D (-834) (-)

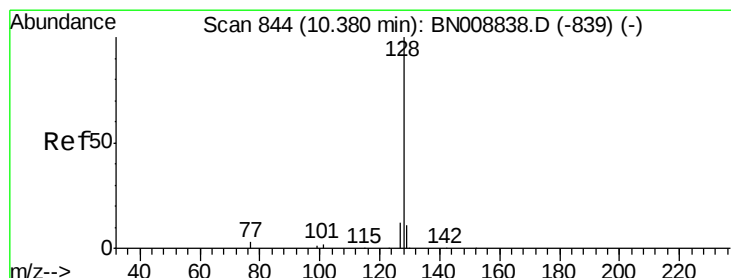
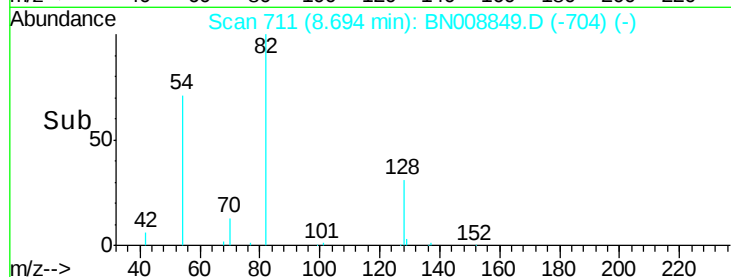
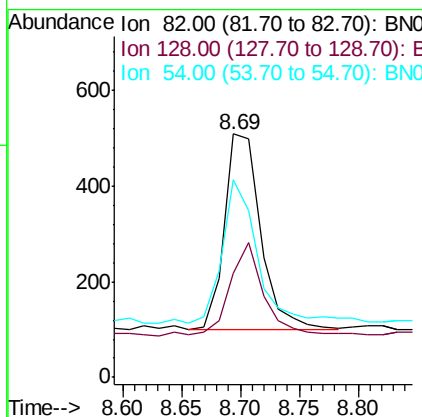
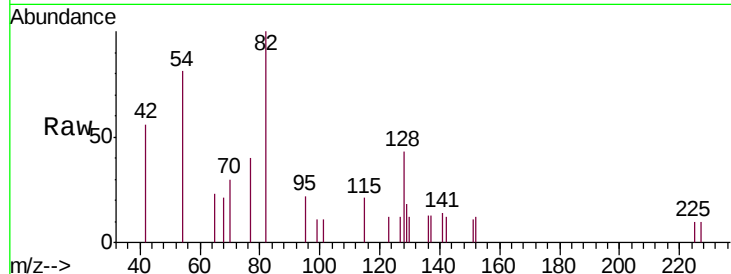




#8  
Nitrobenzene-d5  
Concen: 0.063 ng  
RT: 8.69 min Scan# 711  
Delta R.T. -0.01 min  
Lab File: BN008849.D  
Acq: 05 Dec 2019 15:20

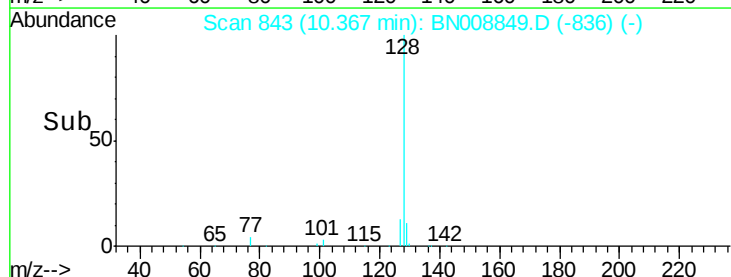
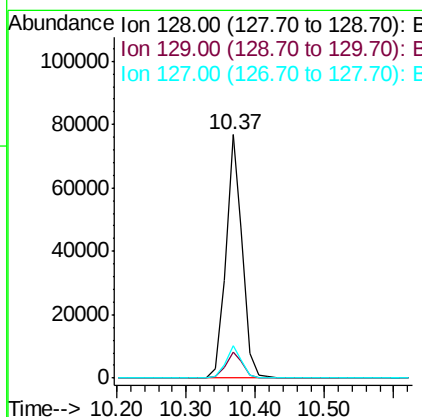
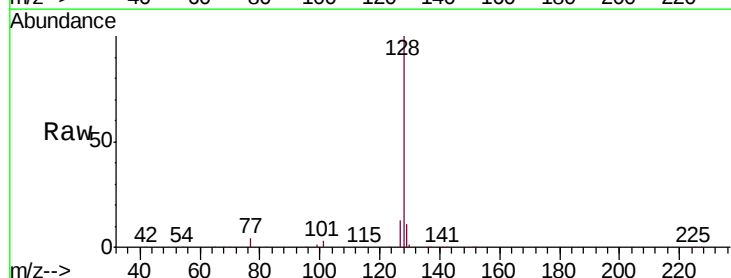
Instrument :  
BNA\_N  
ClientSampleId :  
PT-PAH-SOILD

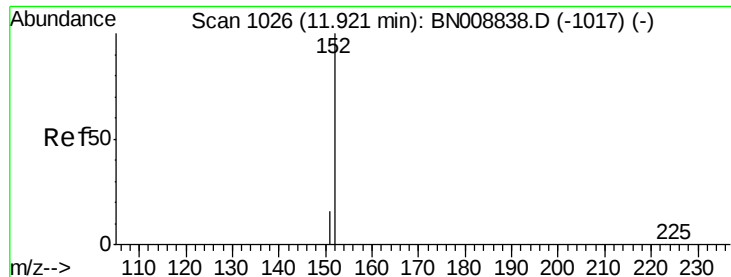
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.6  | 35.0  | 52.6  |
| 54      | 81.3  | 50.2  | 75.2  |



#9  
Naphthalene  
Concen: 2.985 ng  
RT: 10.37 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BN008849.D  
Acq: 05 Dec 2019 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.9  | 9.3   | 13.9  |
| 127     | 13.1  | 10.5  | 15.7  |

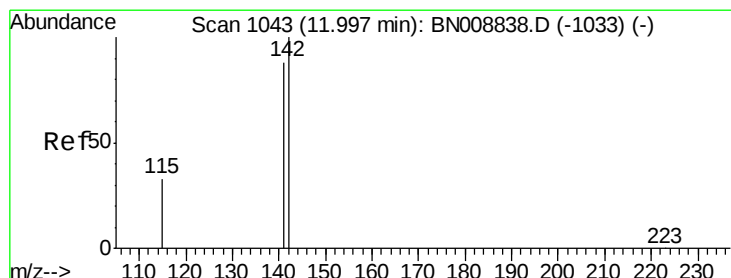
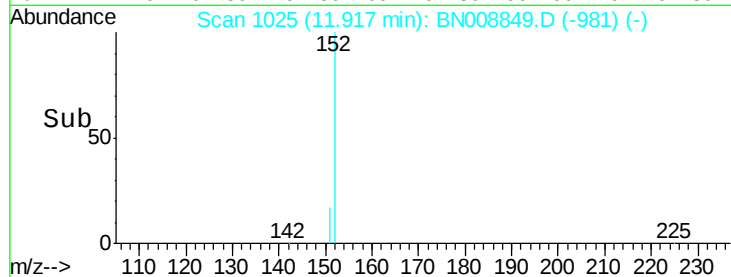
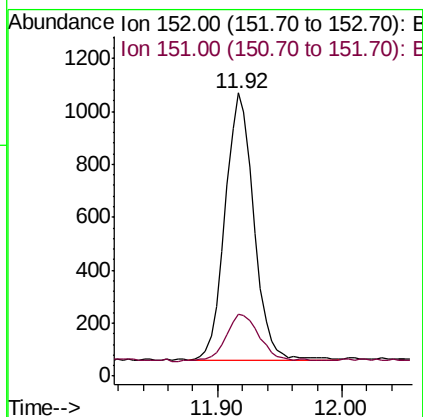
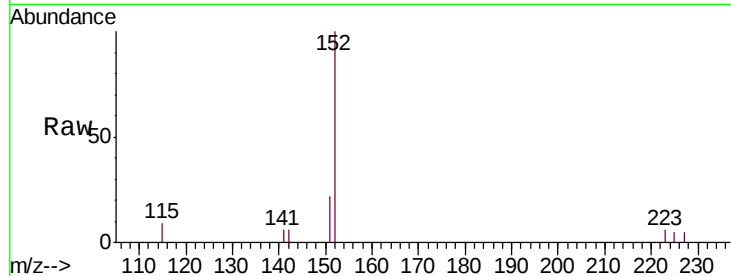




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.061 ng  
 RT: 11.92 min Scan# 1025  
 Delta R.T. -0.00 min  
 Lab File: BN008849.D  
 Acq: 05 Dec 2019 15:20

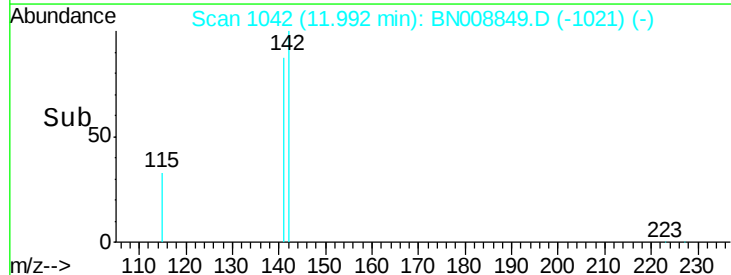
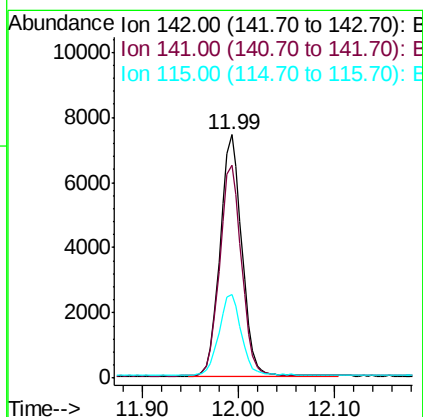
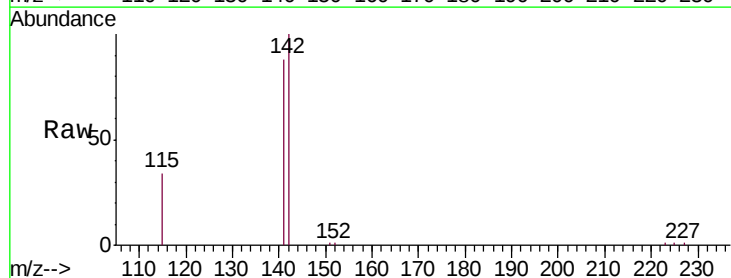
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PT-PAH-SOILD

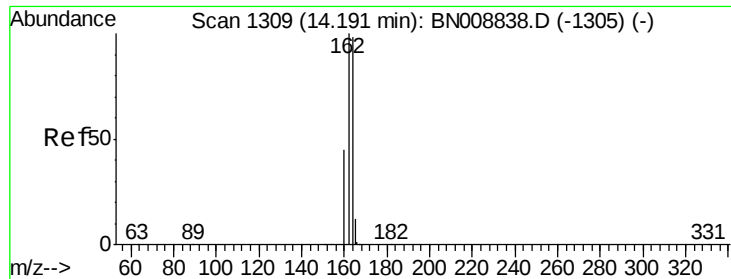
Tgt Ion:152 Resp: 1620  
 Ion Ratio Lower Upper  
 152 100  
 151 20.6 15.2 22.8



#12  
 2-Methylnaphthalene  
 Concen: 0.372 ng  
 RT: 11.99 min Scan# 1042  
 Delta R.T. -0.00 min  
 Lab File: BN008849.D  
 Acq: 05 Dec 2019 15:20

Tgt Ion:142 Resp: 11679  
 Ion Ratio Lower Upper  
 142 100  
 141 87.6 70.2 105.4  
 115 34.3 27.6 41.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.19 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILD

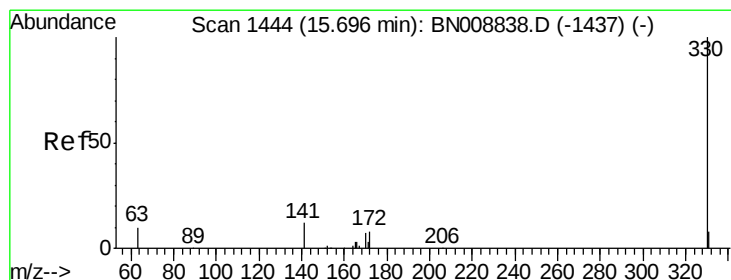
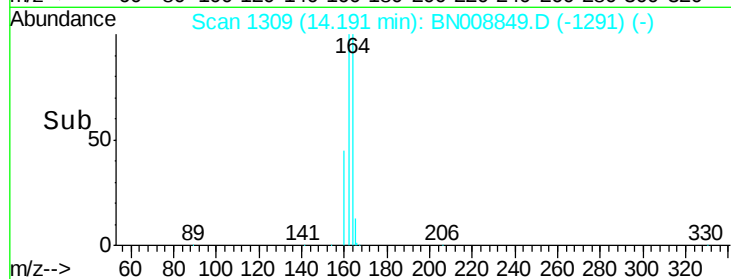
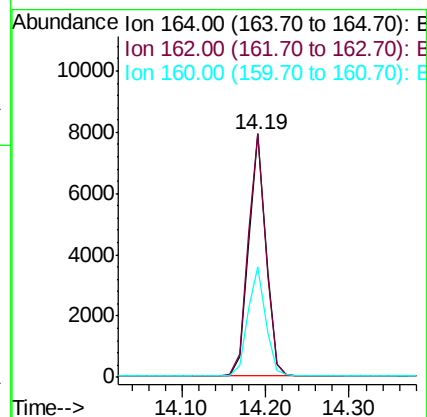
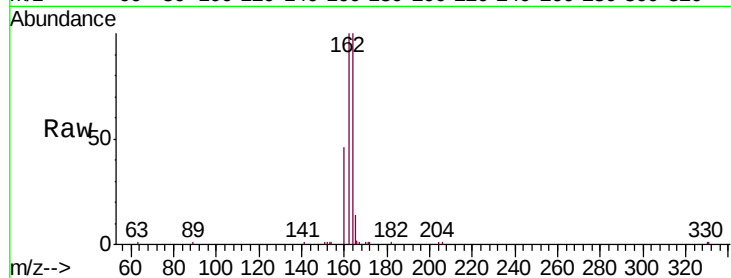
Tgt Ion:164 Resp: 11190

Ion Ratio Lower Upper

164 100

162 100.1 81.9 122.9

160 45.6 37.4 56.2



#14

2,4,6-Tribromophenol

Concen: 0.074 ng

RT: 15.68 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

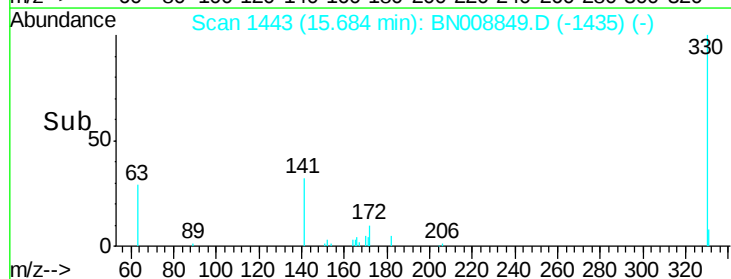
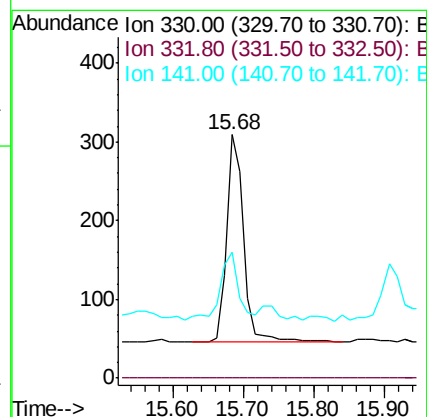
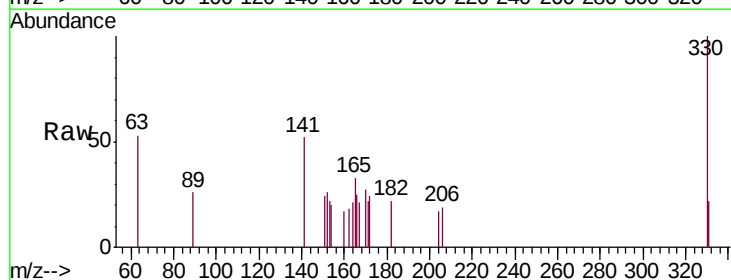
Tgt Ion:330 Resp: 449

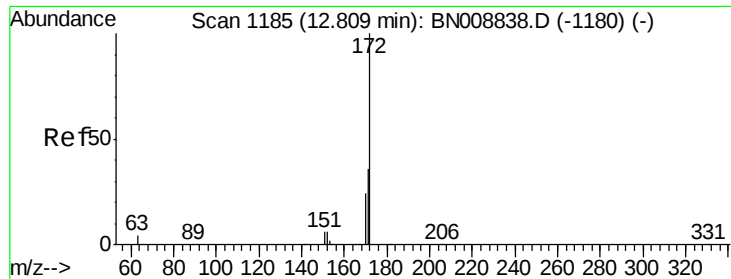
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 34.7 26.2 39.4

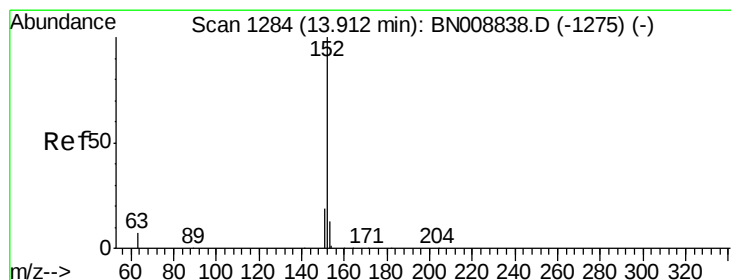
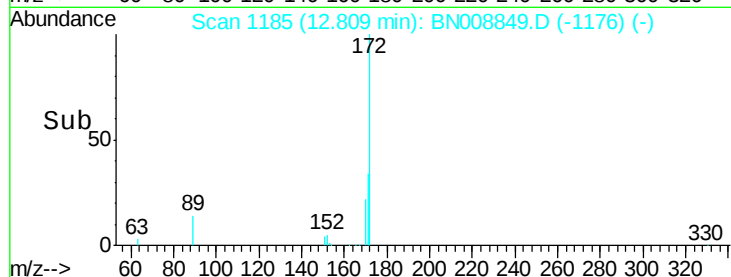
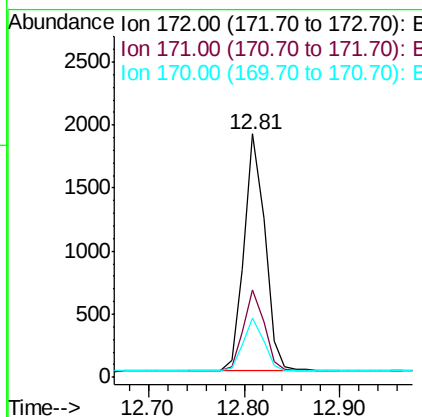
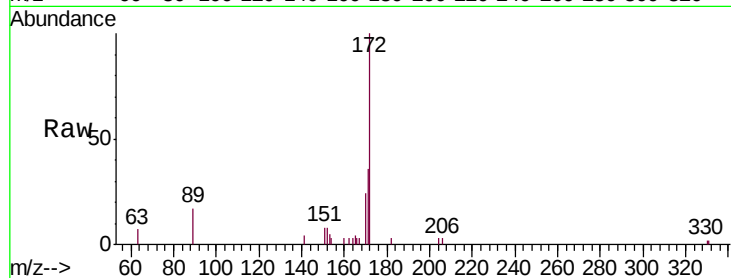




#15  
2-Fluorobiphenyl  
Concen: 0.069 ng  
RT: 12.81 min Scan# 1185  
Delta R.T. -0.00 min  
Lab File: BN008849.D  
Acq: 05 Dec 2019 15:20

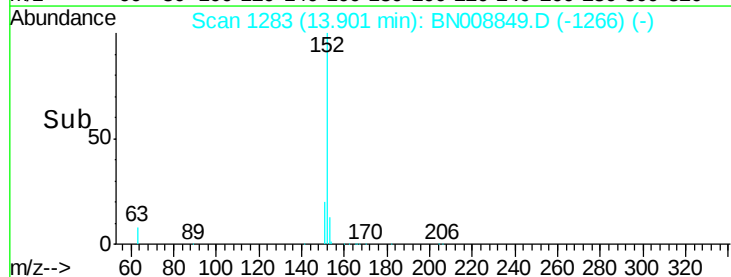
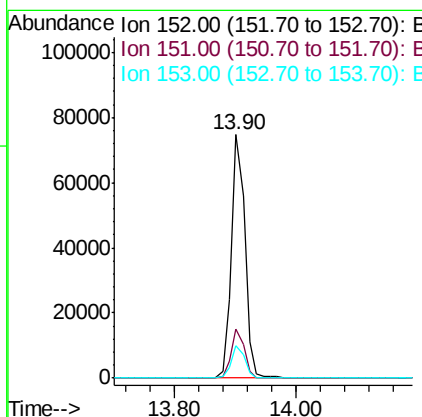
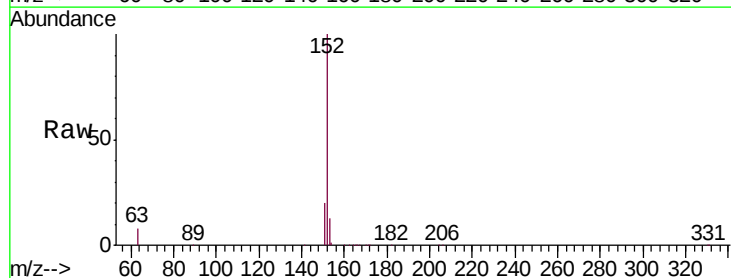
Instrument :  
BNA\_N  
ClientSampleId :  
PT-PAH-SOILD

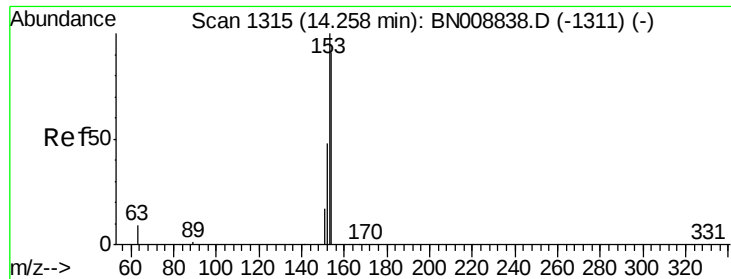
Tgt Ion:172 Resp: 2890  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.9 43.3  
170 24.1 19.7 29.5



#16  
Acenaphthylene  
Concen: 2.196 ng  
RT: 13.90 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: BN008849.D  
Acq: 05 Dec 2019 15:20

Tgt Ion:152 Resp: 114641  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.4 23.2  
153 13.1 10.4 15.6





#17

Acenaphthene

Concen: 1.657 ng

RT: 14.25 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILDL

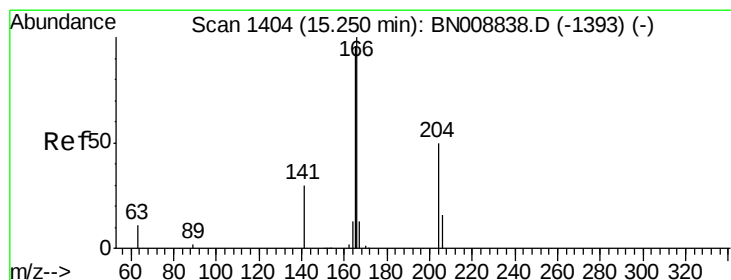
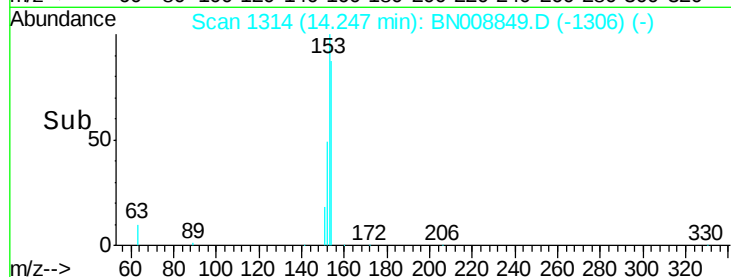
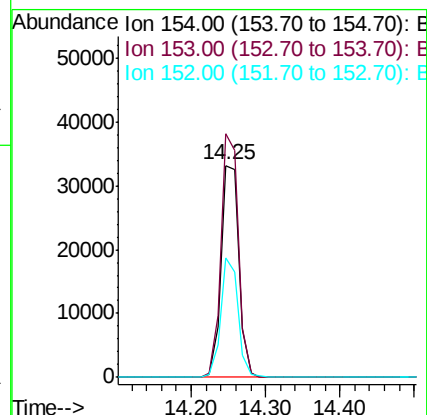
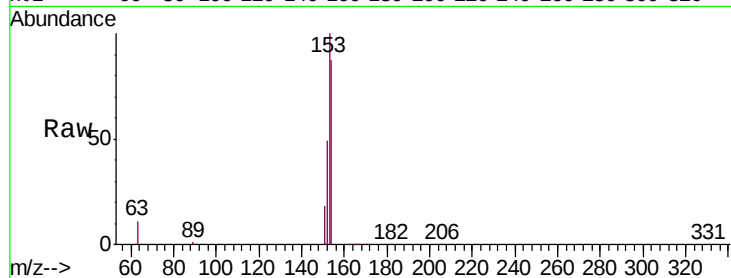
Tgt Ion:154 Resp: 54857

Ion Ratio Lower Upper

154 100

153 112.2 89.4 134.2

152 54.0 43.8 65.8



#18

Fluorene

Concen: 1.217 ng

RT: 15.25 min Scan# 1404

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

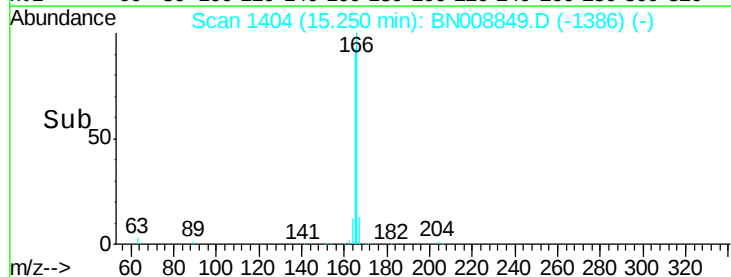
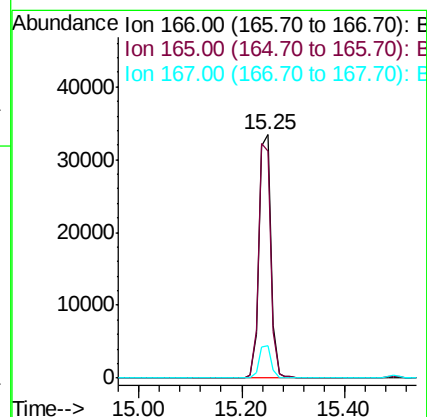
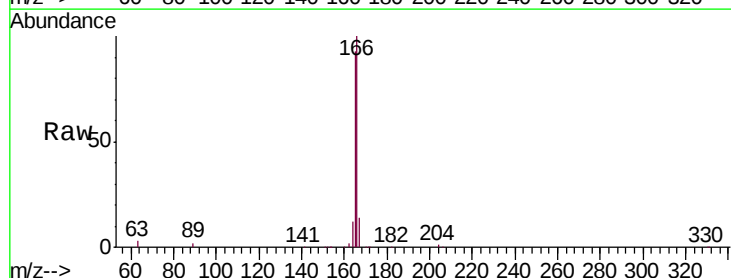
Tgt Ion:166 Resp: 53457

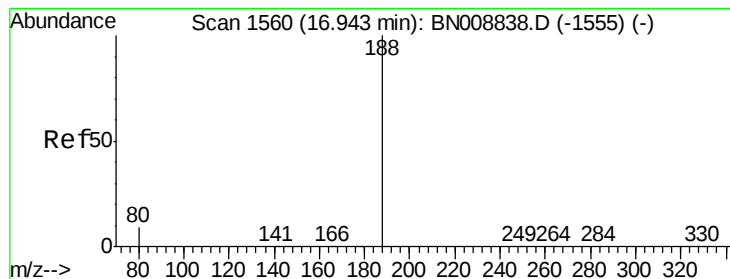
Ion Ratio Lower Upper

166 100

165 97.0 77.0 115.6

167 13.2 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.93 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILDL

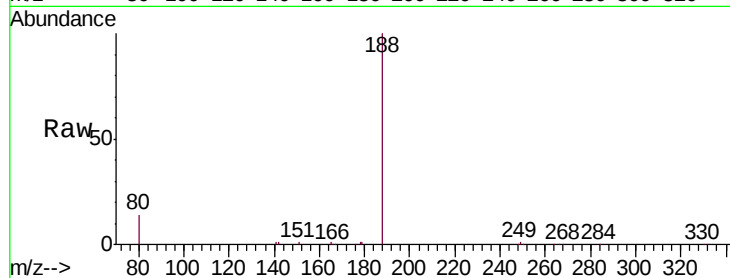
Tgt Ion:188 Resp: 25872

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

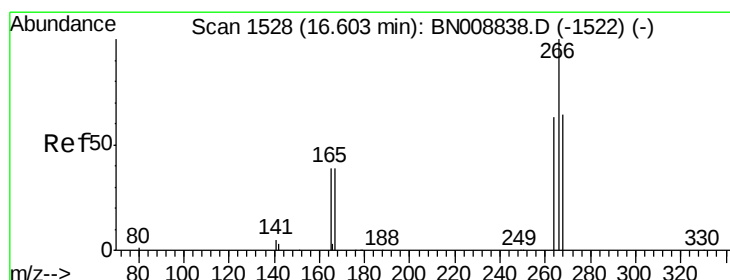
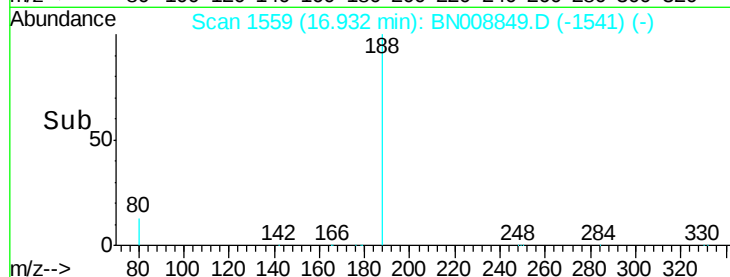
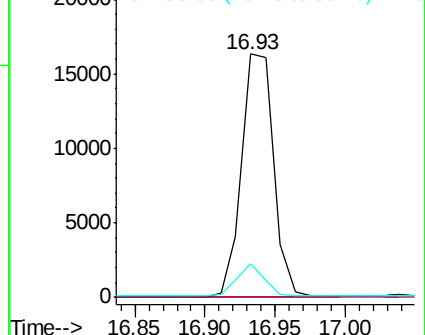
80 14.0 7.4 11.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#22

Pentachlorophenol

Concen: 0.021 ng

RT: 16.60 min Scan# 1528

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

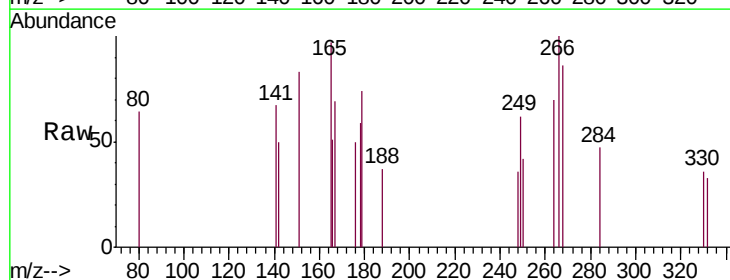
Tgt Ion:266 Resp: 148

Ion Ratio Lower Upper

266 100

264 70.1 51.0 76.4

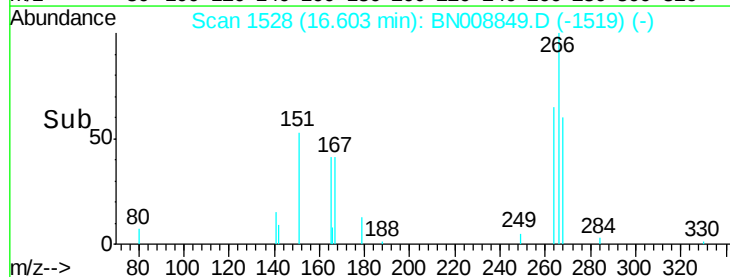
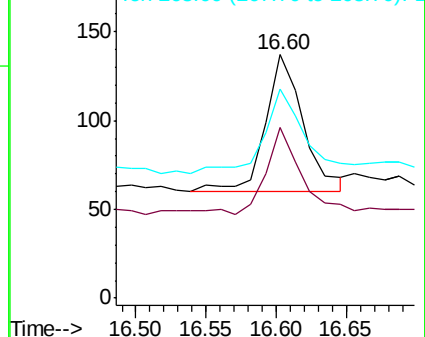
268 86.1 53.7 80.5#

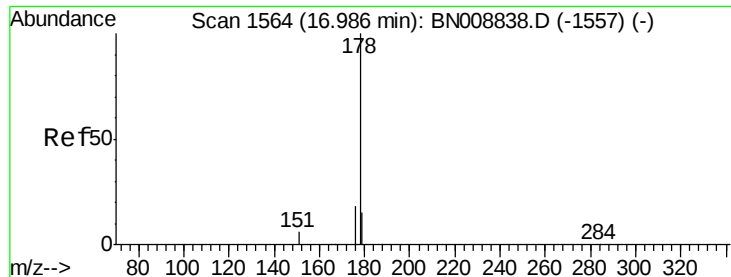


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 3.543 ng

RT: 16.97 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILDL

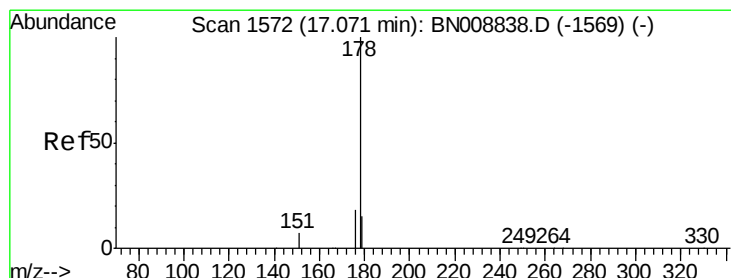
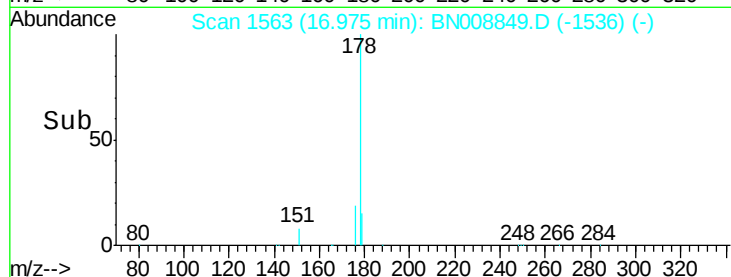
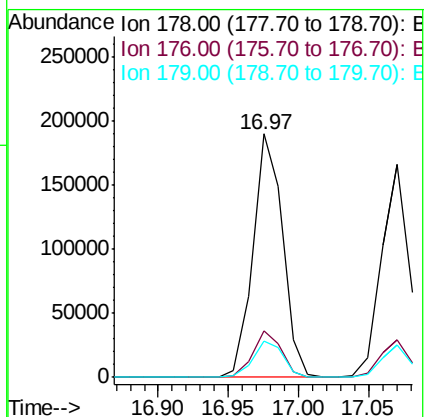
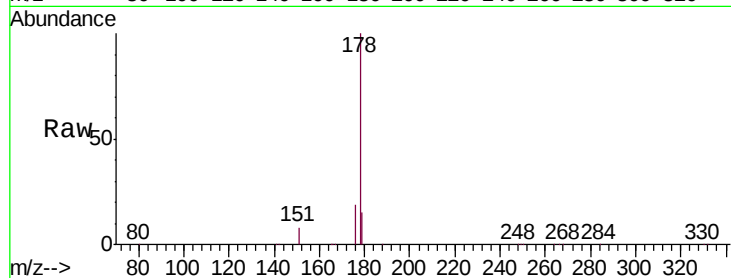
Tgt Ion:178 Resp: 279818

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.3 12.2 18.2



#24

Anthracene

Concen: 3.194 ng

RT: 17.07 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

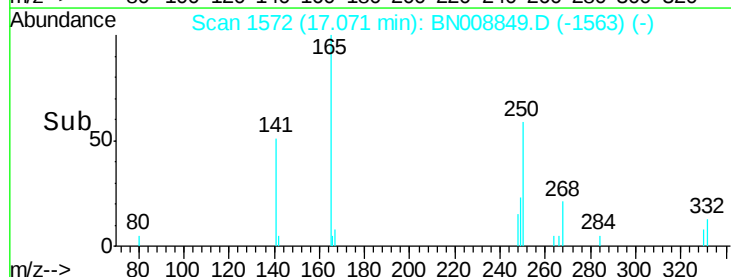
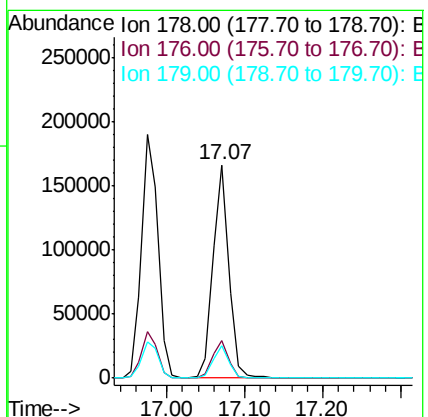
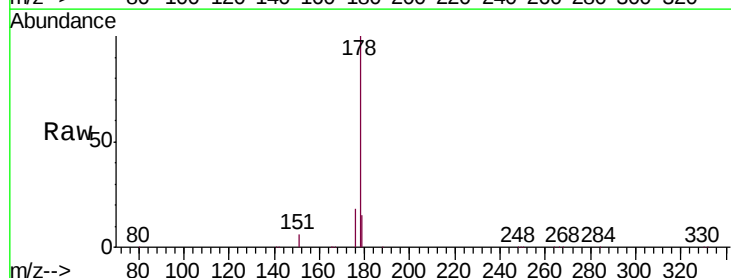
Tgt Ion:178 Resp: 231579

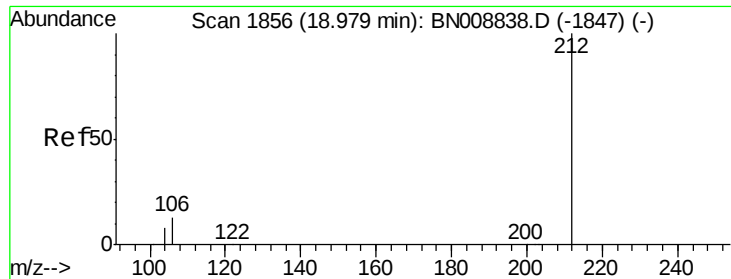
Ion Ratio Lower Upper

178 100

176 17.9 14.3 21.5

179 15.3 12.2 18.2





#25

Fluoranthene-d10

Concen: 0.064 ng

RT: 18.97 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILDL

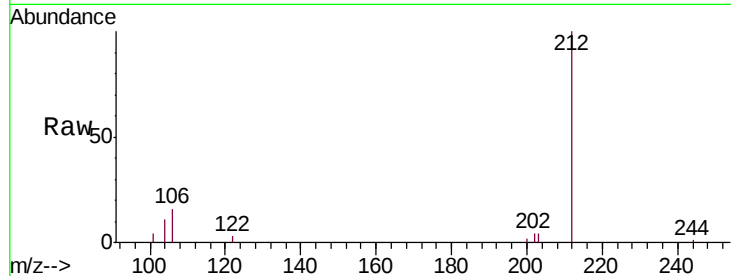
Tgt Ion:212 Resp: 5004

Ion Ratio Lower Upper

212 100

106 14.1 10.7 16.1

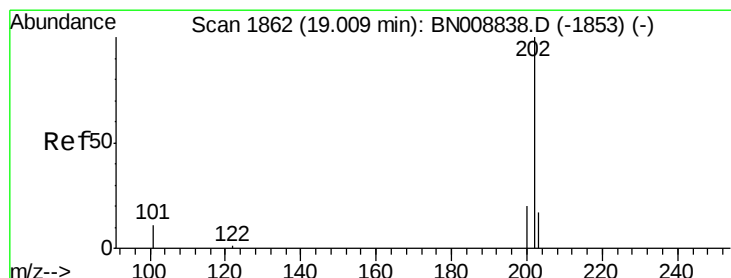
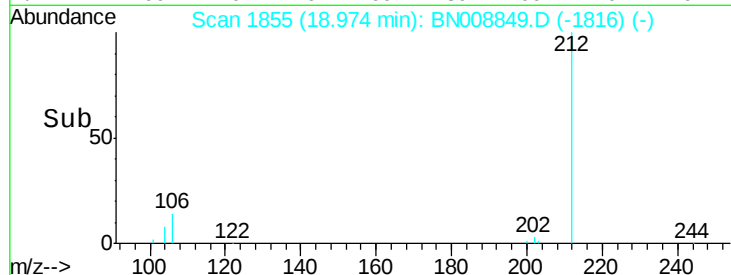
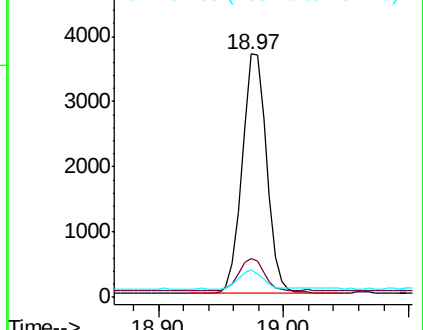
104 7.6 6.1 9.1



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: 1.871 ng

RT: 19.01 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

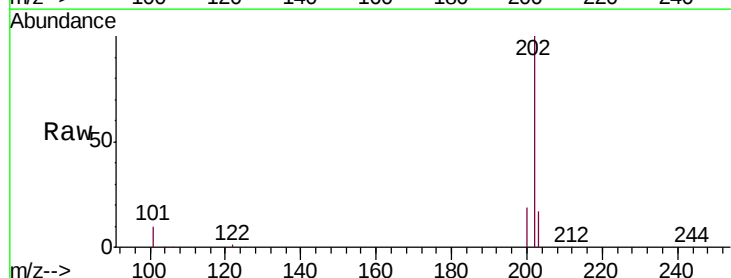
Tgt Ion:202 Resp: 177946

Ion Ratio Lower Upper

202 100

101 11.3 9.3 13.9

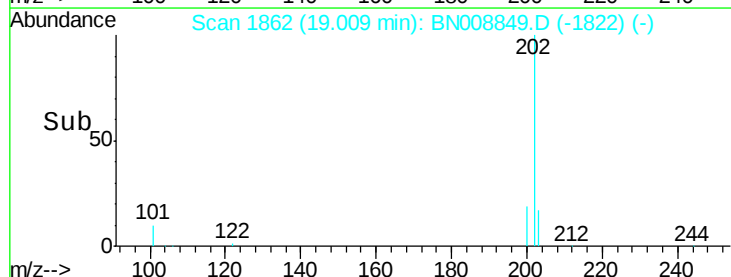
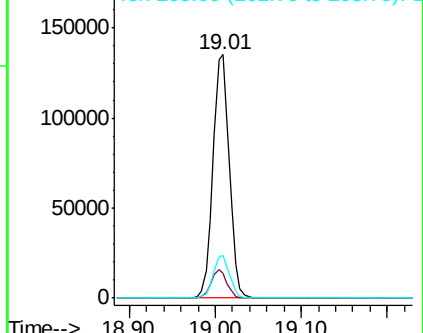
203 17.2 13.7 20.5

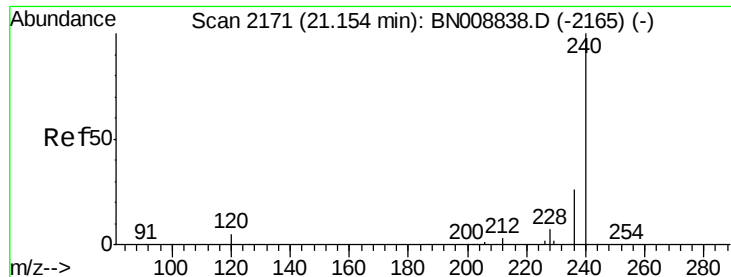


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.14 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILDL

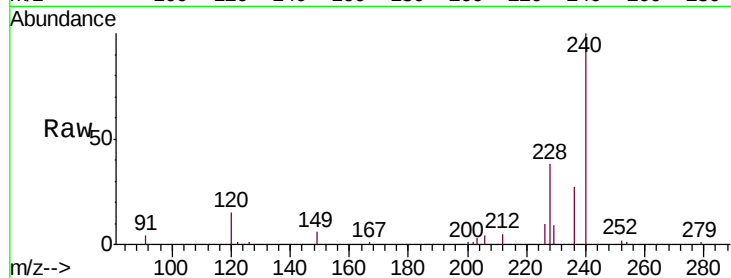
Tgt Ion:240 Resp: 27220

Ion Ratio Lower Upper

240 100

120 14.9 6.0 9.0#

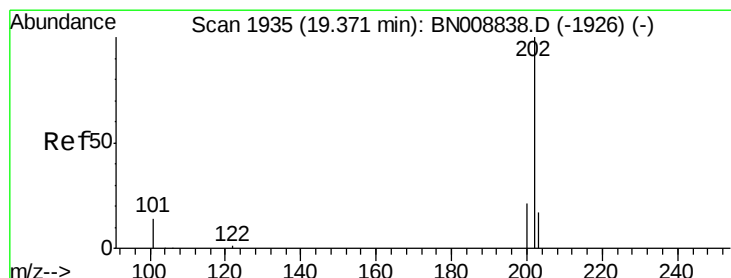
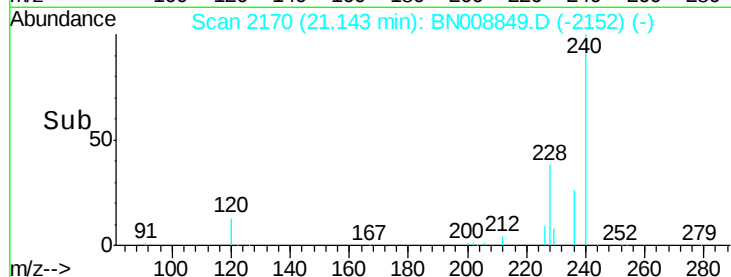
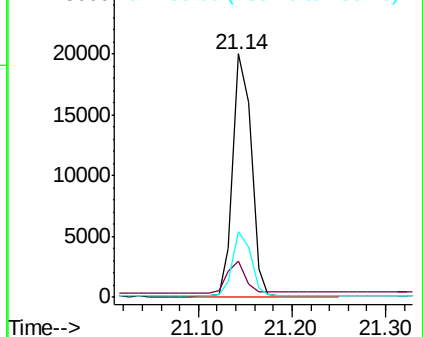
236 26.9 21.4 32.0



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: 1.092 ng

RT: 19.37 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

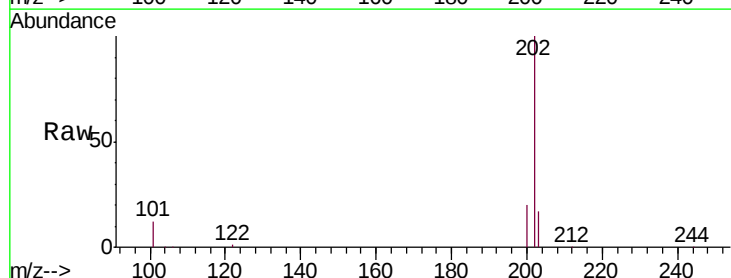
Tgt Ion:202 Resp: 103668

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

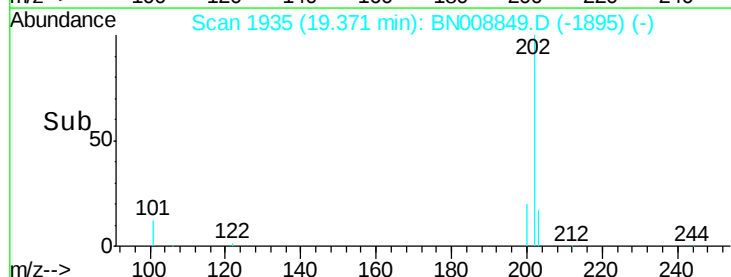
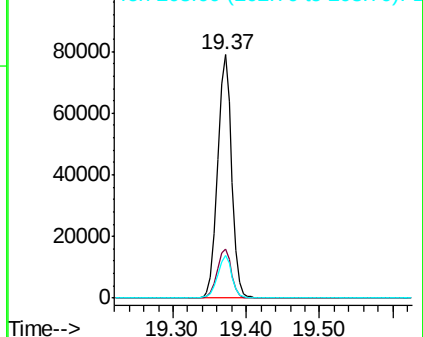
203 17.6 14.2 21.2

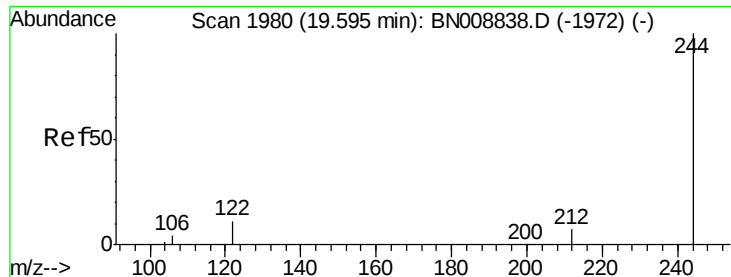


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.072 ng

RT: 19.59 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILD

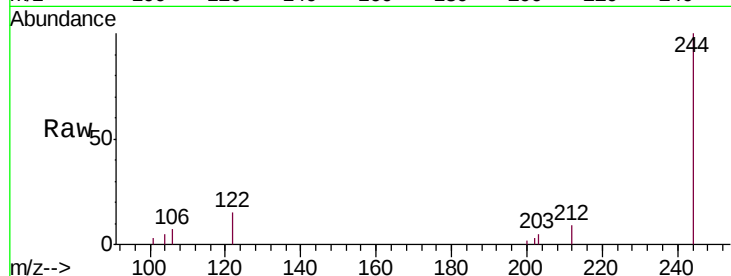
Tgt Ion:244 Resp: 4518

Ion Ratio Lower Upper

244 100

212 9.4 6.1 9.1#

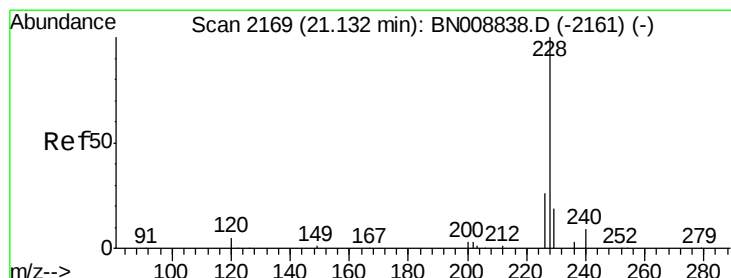
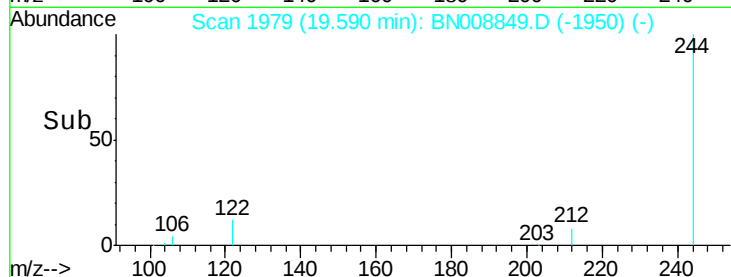
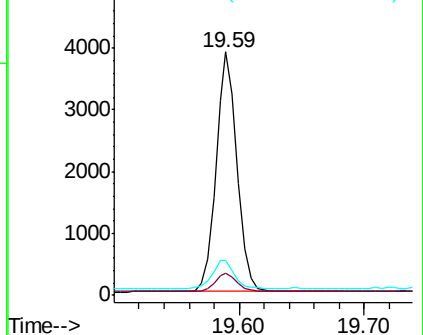
122 14.6 8.9 13.3#



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: 0.290 ng

RT: 21.13 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

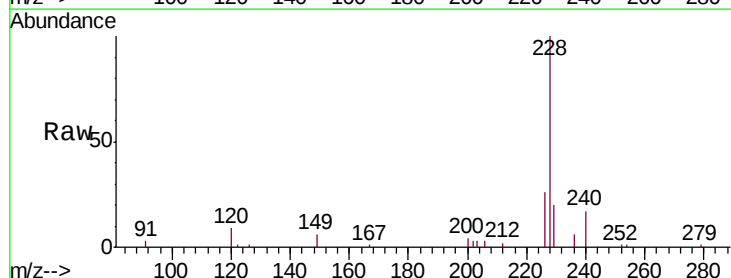
Tgt Ion:228 Resp: 28501

Ion Ratio Lower Upper

228 100

226 26.0 20.8 31.2

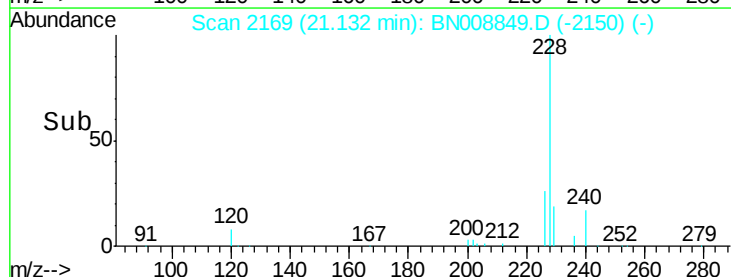
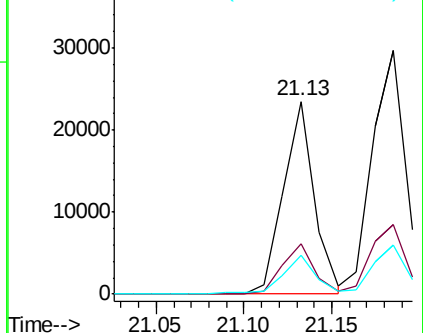
229 19.9 15.9 23.9

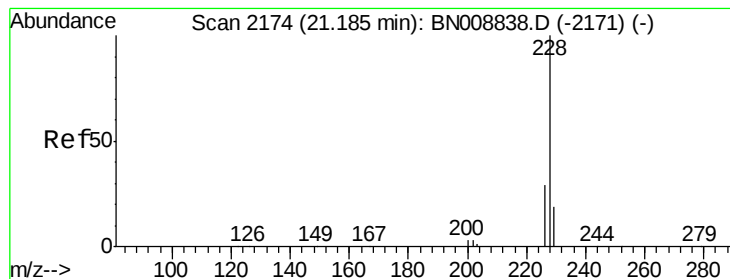


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.406 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILDL

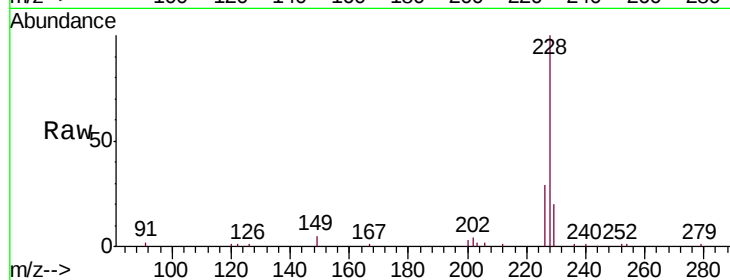
Tgt Ion:228 Resp: 38808

Ion Ratio Lower Upper

228 100

226 28.7 23.1 34.7

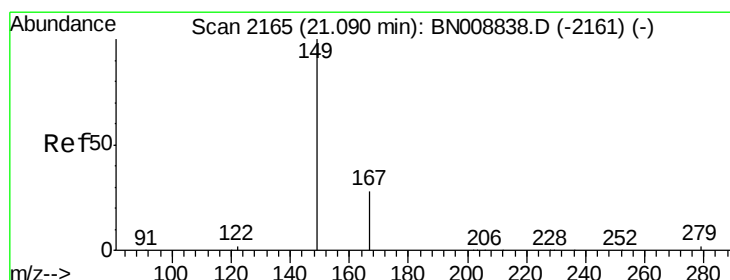
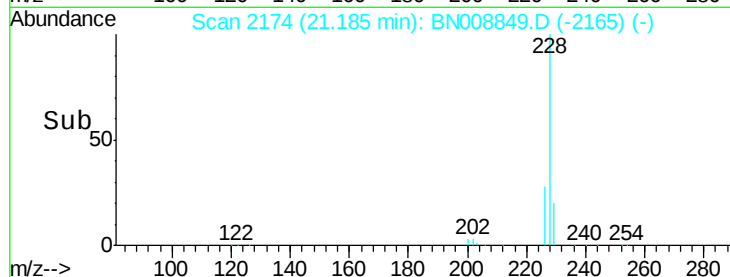
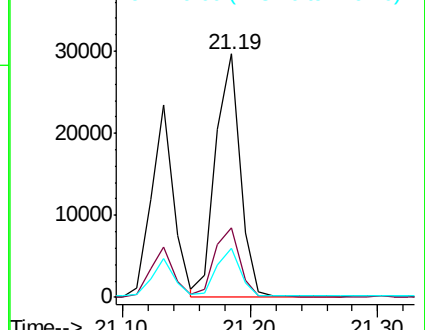
229 20.0 15.8 23.8



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: 0.054 ng

RT: 21.09 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

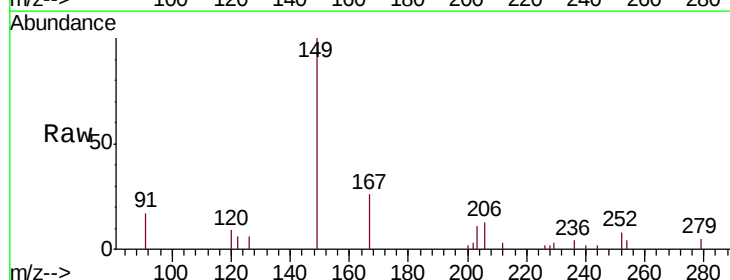
Tgt Ion:149 Resp: 3529

Ion Ratio Lower Upper

149 100

167 27.5 23.1 34.7

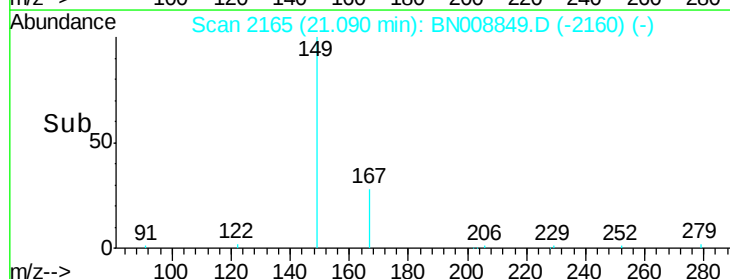
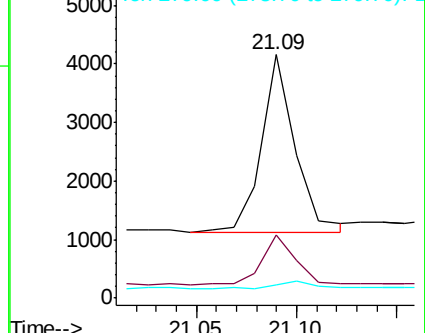
279 4.7 3.4 5.2

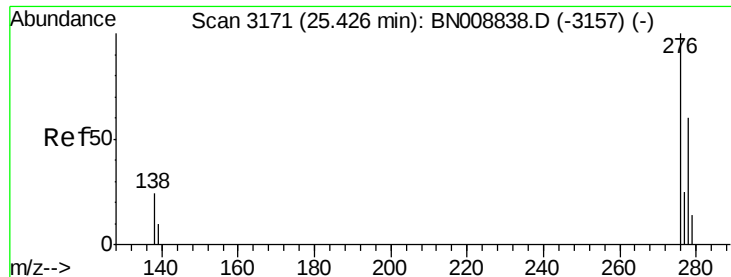


Abundance Ion 149.00 (148.70 to 149.70): E

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: 1.729 ng

RT: 25.42 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILDL

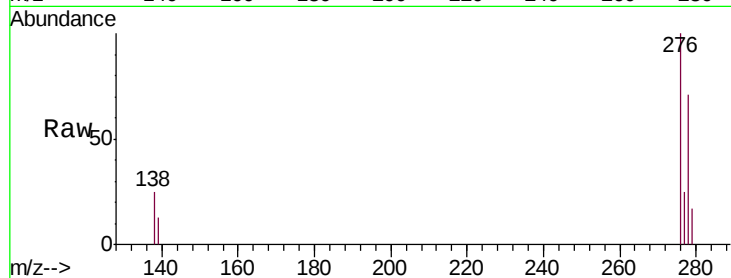
Tgt Ion:276 Resp: 203900

Ion Ratio Lower Upper

276 100

138 25.9 20.2 30.2

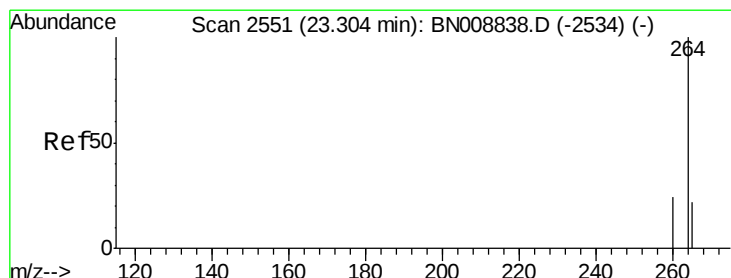
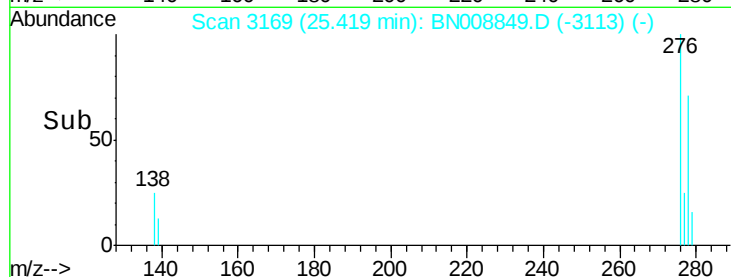
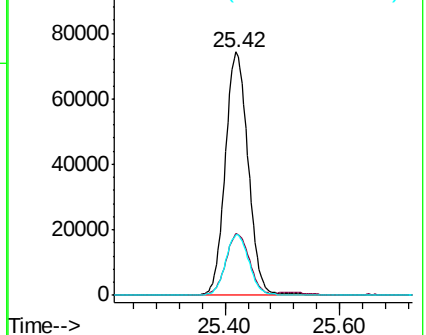
277 25.0 19.8 29.6



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: 23.30 min Scan# 2551

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

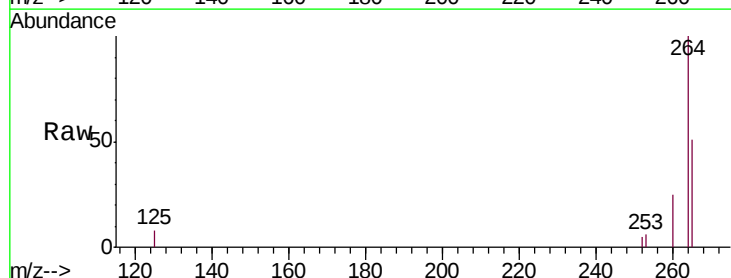
Tgt Ion:264 Resp: 29997

Ion Ratio Lower Upper

264 100

260 24.5 19.9 29.9

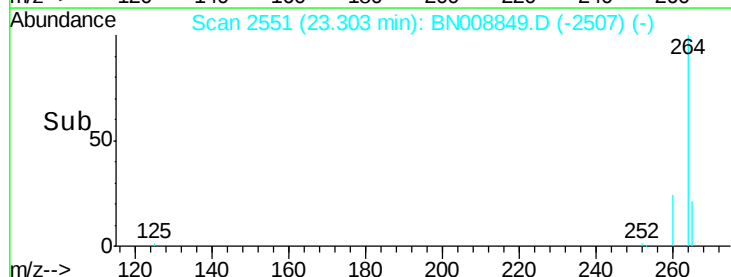
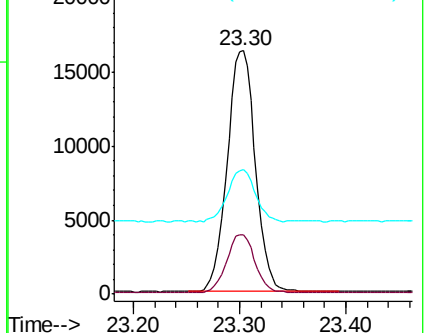
265 51.1 46.8 70.2

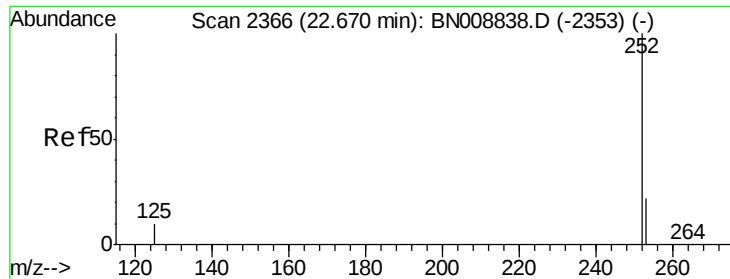


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.430 ng

RT: 22.71 min Scan# 2377

Delta R.T. 0.04 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILDL

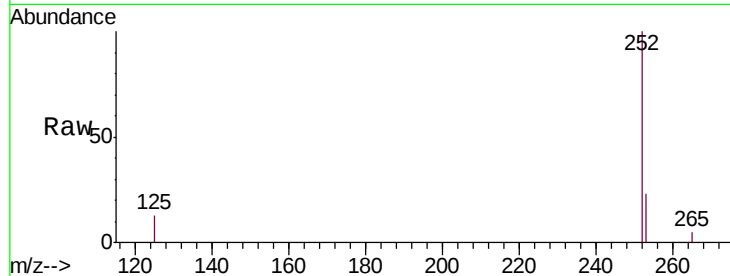
Tgt Ion:252 Resp: 142457

Ion Ratio Lower Upper

252 100

253 23.0 20.6 31.0

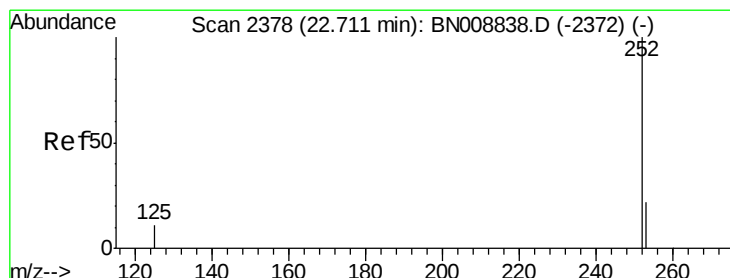
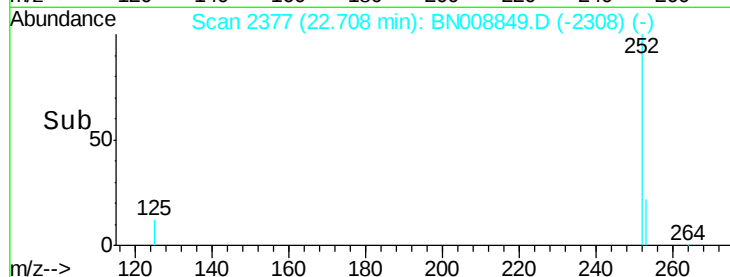
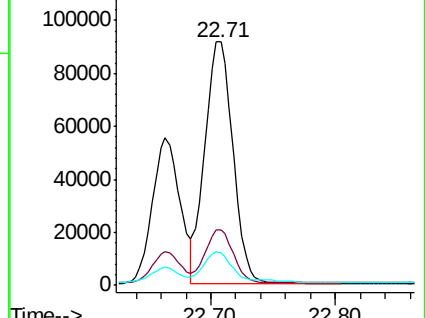
125 13.2 12.3 18.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 1.455 ng

RT: 22.71 min Scan# 2377

Delta R.T. -0.00 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

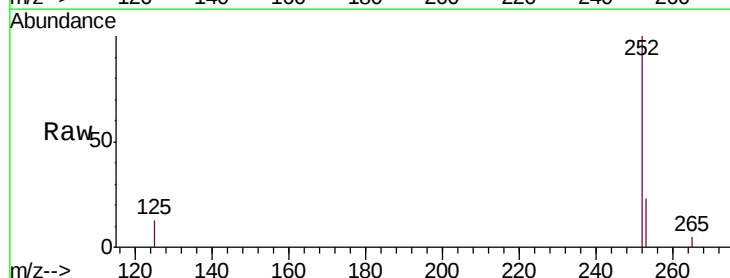
Tgt Ion:252 Resp: 142457

Ion Ratio Lower Upper

252 100

253 23.0 21.0 31.4

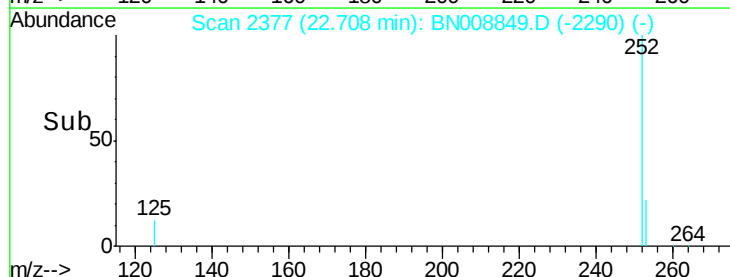
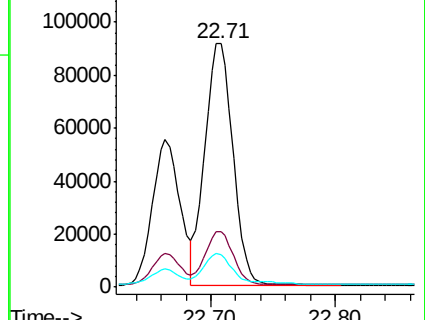
125 13.2 13.5 20.3#

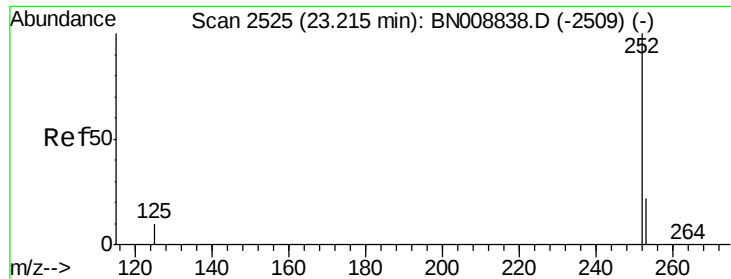


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.877 ng

RT: 23.21 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILDL

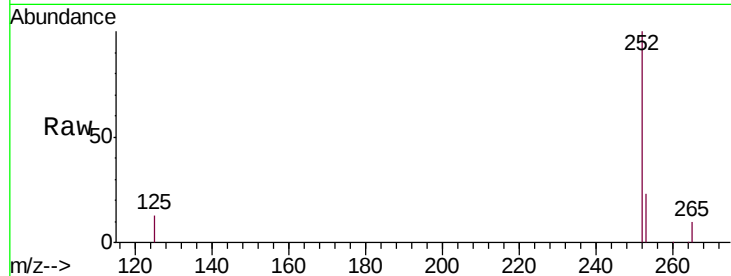
Tgt Ion:252 Resp: 82422

Ion Ratio Lower Upper

252 100

253 23.4 21.4 32.2

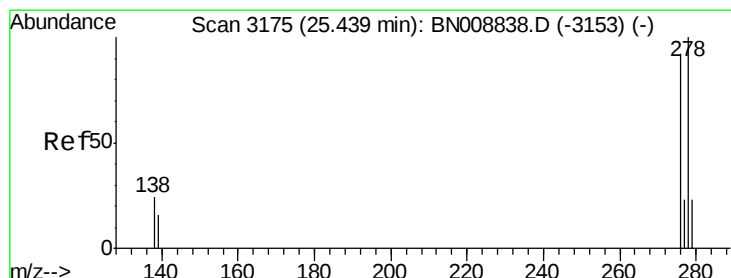
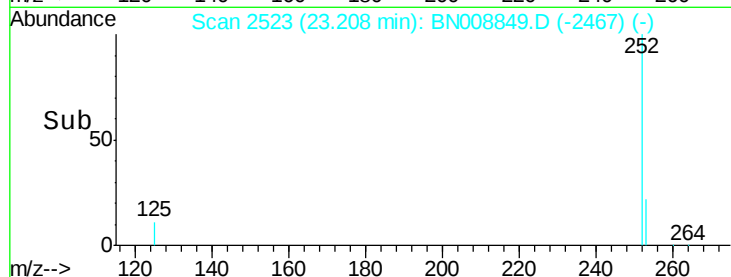
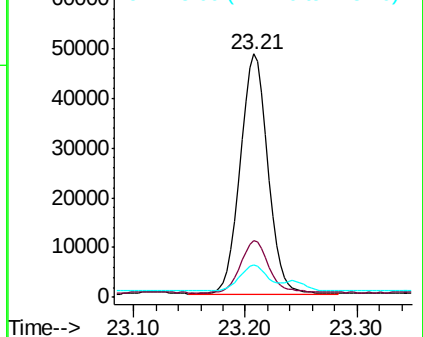
125 13.3 13.7 20.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 1.968 ng

RT: 25.43 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BN008849.D

Acq: 05 Dec 2019 15:20

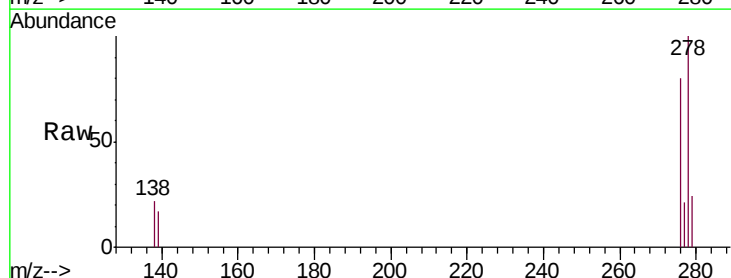
Tgt Ion:278 Resp: 188835

Ion Ratio Lower Upper

278 100

139 16.8 15.3 22.9

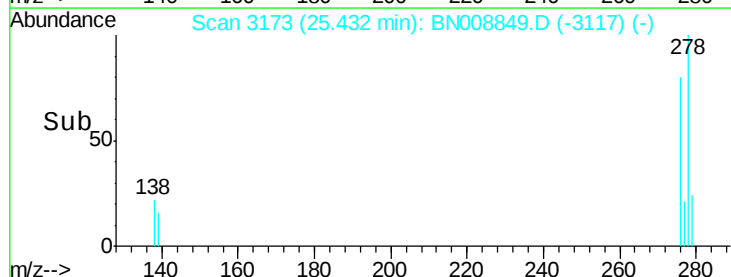
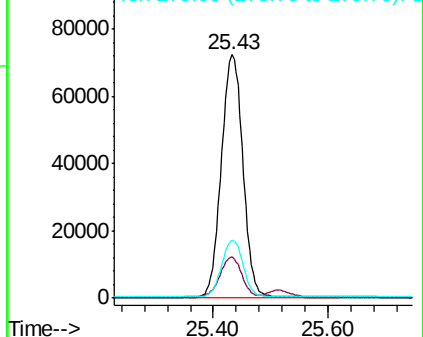
279 24.0 21.2 31.8

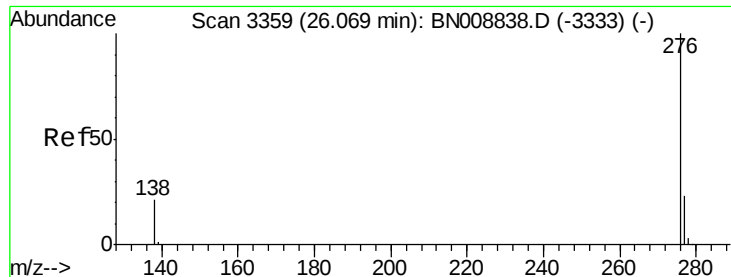


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.575 ng

RT: 26.06 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BN008849.D

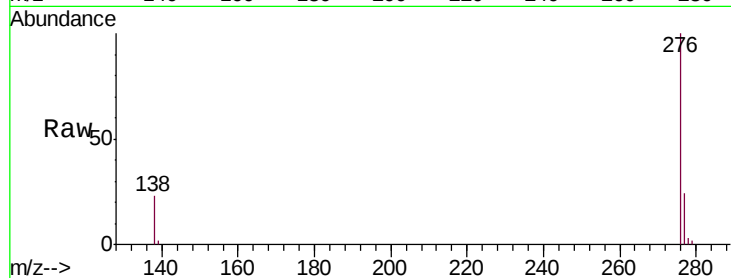
Acq: 05 Dec 2019 15:20

Instrument :

BNA\_N

ClientSampleId :

PT-PAH-SOILDL



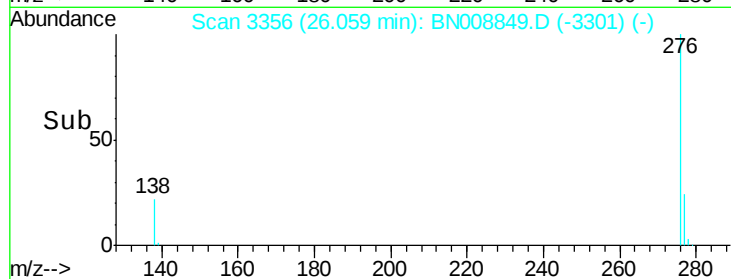
Tgt Ion: 276 Resp: 55875

Ion Ratio Lower Upper

276 100

277 24.4 20.1 30.1

138 22.7 18.6 27.8



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

