

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090319\  
 Data File : BN007532.D  
 Acq On : 03 Sep 2019 11:04  
 Operator : HP/JU  
 Sample : K4453-03RE  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 OUTFALL001-190820

Quant Time: Sep 03 13:36:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 12:18:45 2019  
 Response via : Initial Calibration

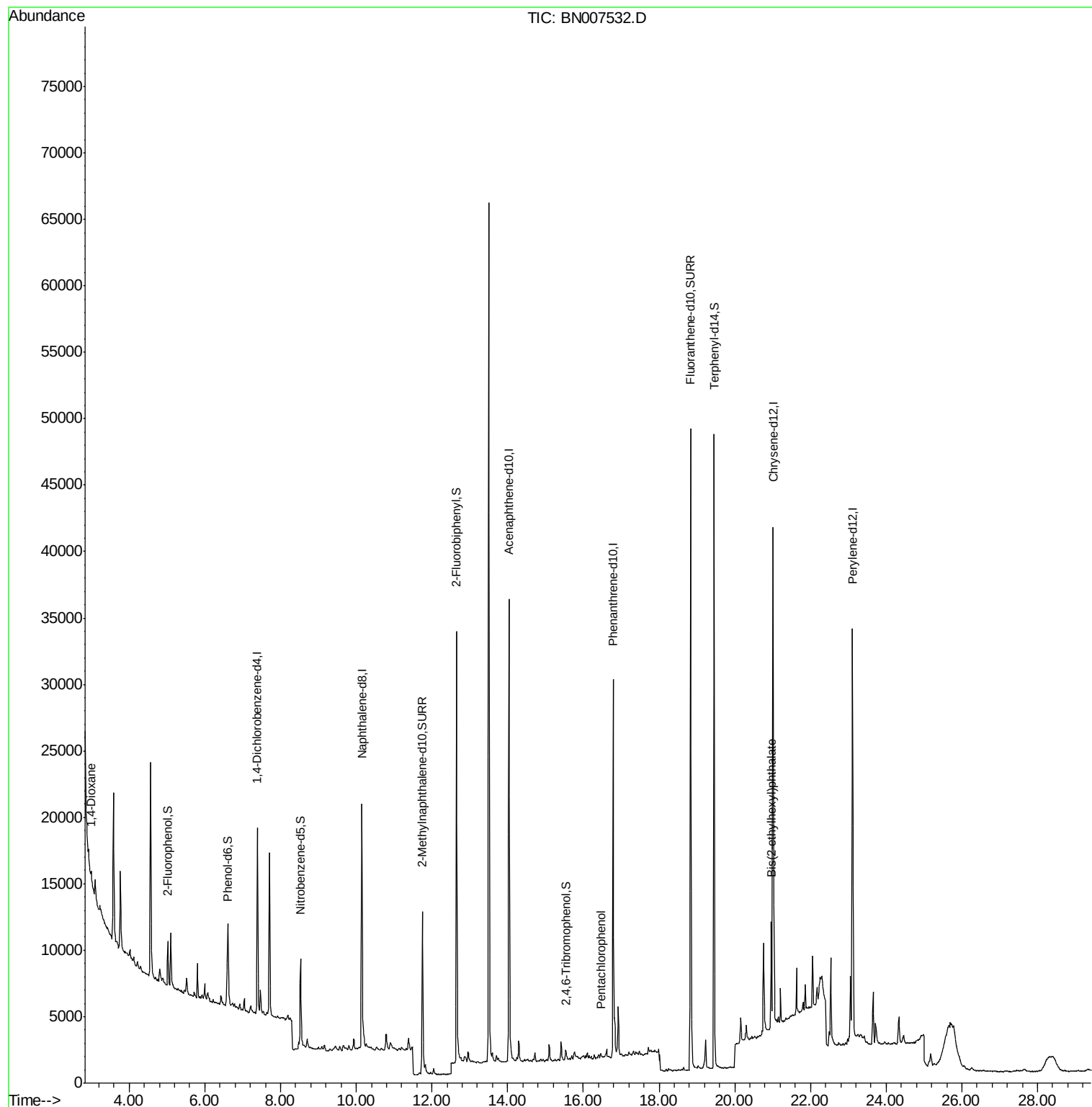
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.39  | 152  | 7060     | 0.40  | ng    | -0.02    |
| 7) Naphthalene-d8              | 10.15 | 136  | 29810    | 0.40  | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.03 | 164  | 20467    | 0.40  | ng    | -0.02    |
| 19) Phenanthrene-d10           | 16.79 | 188  | 44893    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.02 | 240  | 40997    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.11 | 264  | 40082    | 0.40  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.03  | 112  | 3433     | 0.12  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.59  | 99   | 2756     | 0.06  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 8012     | 0.31  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.75 | 152  | 20485    | 0.41  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.54 | 330  | 748      | 0.07  | ng    | -0.02    |
| 15) 2-Fluorobiphenyl           | 12.65 | 172  | 32405    | 0.39  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.83 | 212  | 57752    | 0.40  | ng    | -0.01    |
| 29) Terphenyl-d14              | 19.46 | 244  | 49874    | 0.46  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.00  | 88   | 998      | 0.085 | ng    | # 19     |
| 22) Pentachlorophenol          | 16.46 | 266  | 401      | 0.043 | ng    | # 75     |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 7139     | 0.050 | ng    | 99       |

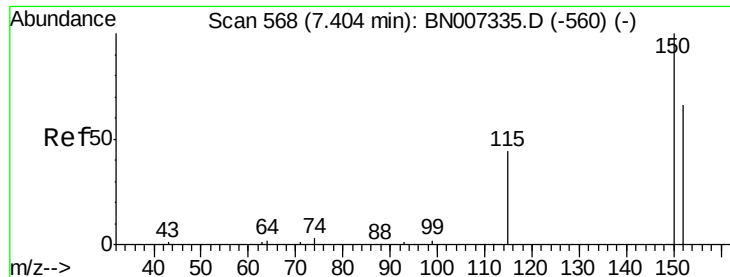
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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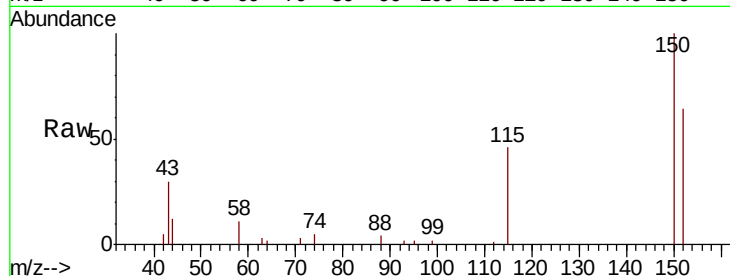


#1

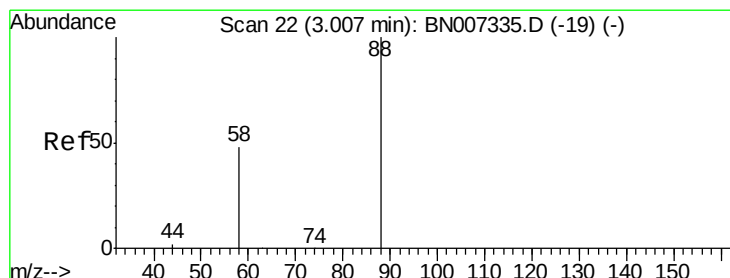
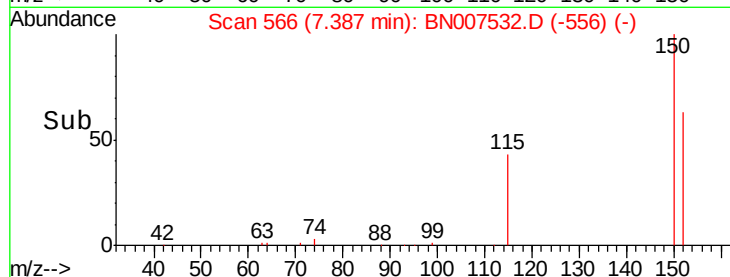
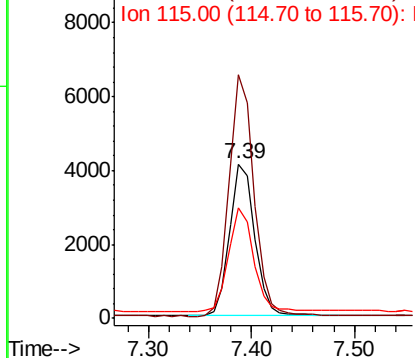
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 566  
Delta R.T. -0.02 min  
Lab File: BN007532.D  
Acq: 03 Sep 2019 11:04

Instrument :  
BNA\_N  
ClientSampleId :  
OUTFALL001-190820

Tot Ion:152 Resp: 7060  
Ion Ratio Lower Upper  
152 100  
150 157.5 109.1 163.7  
115 71.8 59.6 89.4



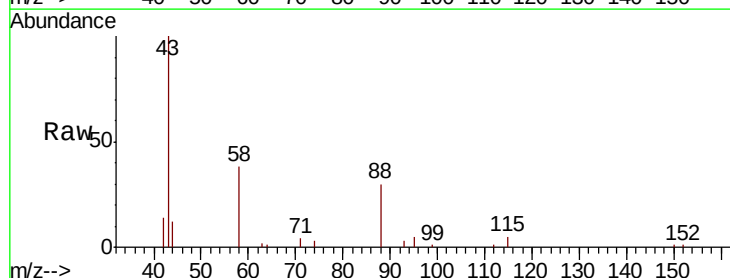
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



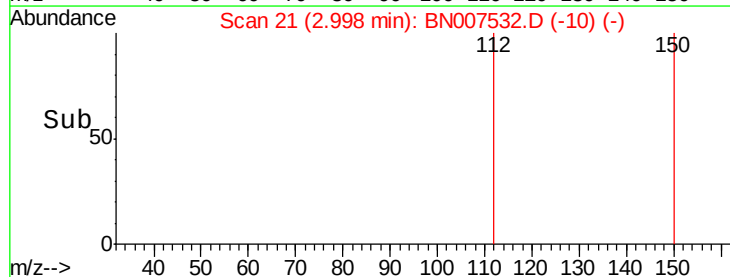
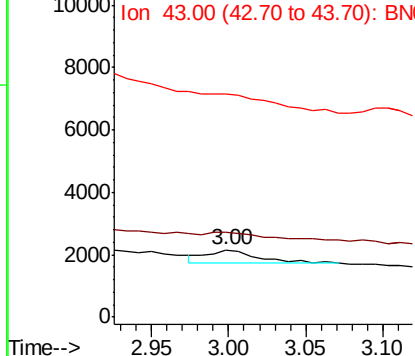
#2

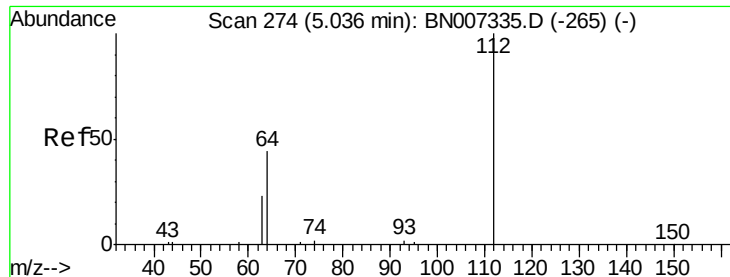
1,4-Dioxane  
Concen: 0.085 ng  
RT: 3.00 min Scan# 21  
Delta R.T. -0.01 min  
Lab File: BN007532.D  
Acq: 03 Sep 2019 11:04

Tgt Ion: 88 Resp: 998  
Ion Ratio Lower Upper  
88 100  
58 0.0 50.5 75.7#  
43 0.0 0.0 0.0



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





#4

2-Fluorophenol

Concen: 0.120 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

Instrument :

BNA\_N

ClientSampleId :

OUTFALL001-190820

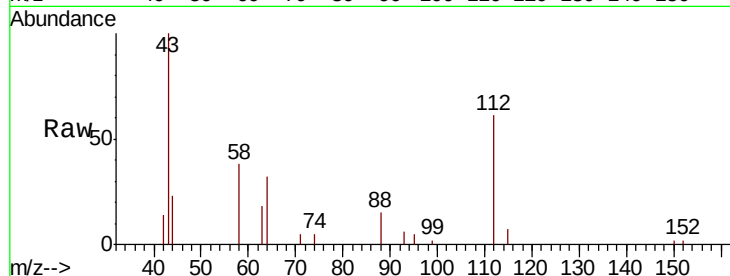
Tot Ion: 112 Resp: 3433

Ion Ratio Lower Upper

112 100

64 56.1 42.3 63.5

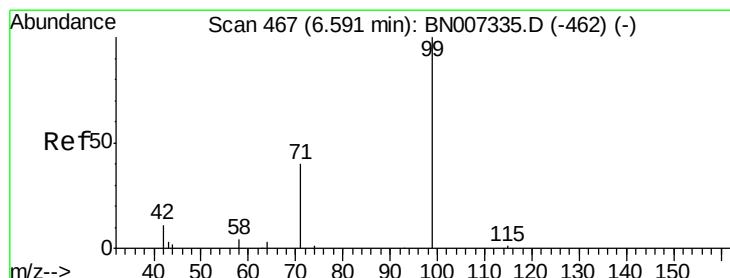
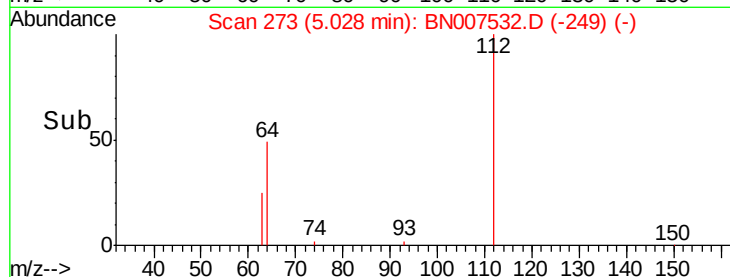
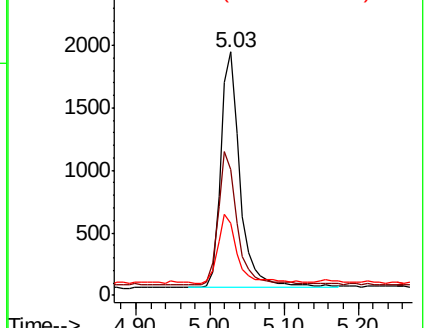
63 29.6 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.063 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

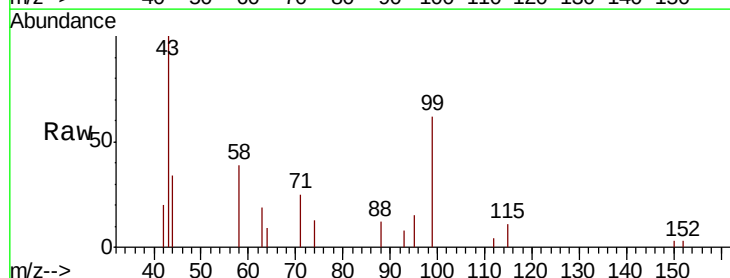
Tgt Ion: 99 Resp: 2756

Ion Ratio Lower Upper

99 100

42 22.8 11.2 16.8#

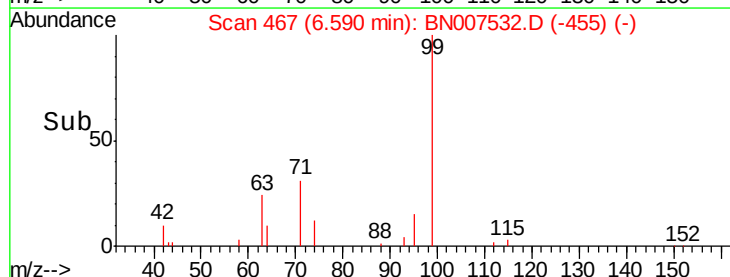
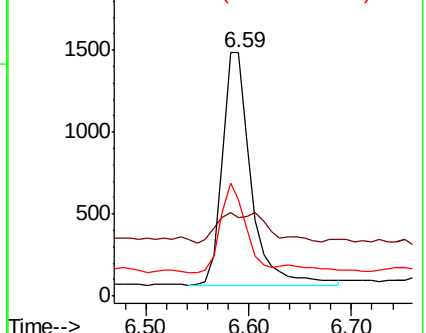
71 33.6 31.8 47.8

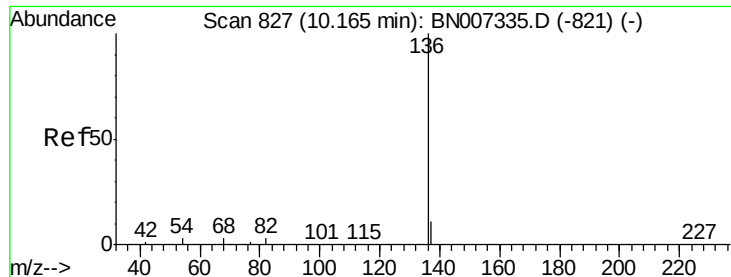


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

Instrument :

BNA\_N

ClientSampleId :

OUTFALL001-190820

Tot Ion:136 Resp: 29810

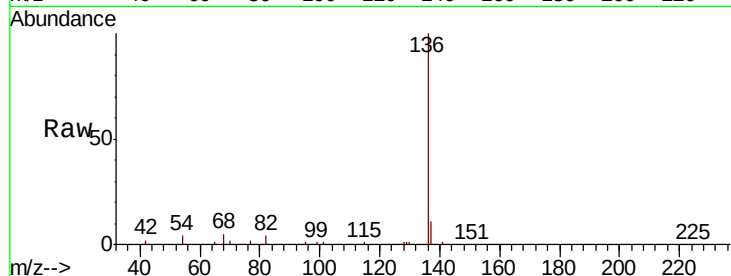
Ion Ratio Lower Upper

136 100

137 11.1 12.9 19.3#

54 4.0 8.6 12.8#

68 5.4 17.0 25.4#

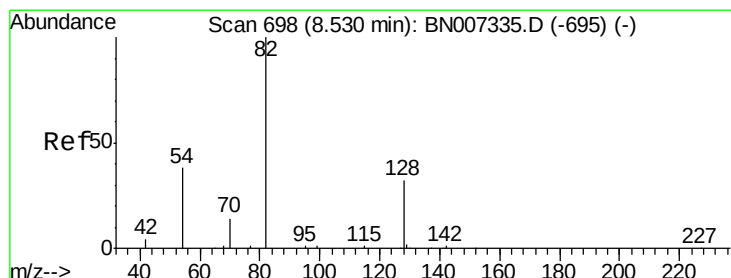
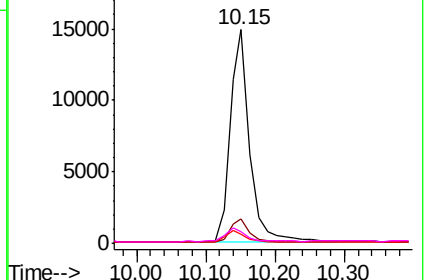
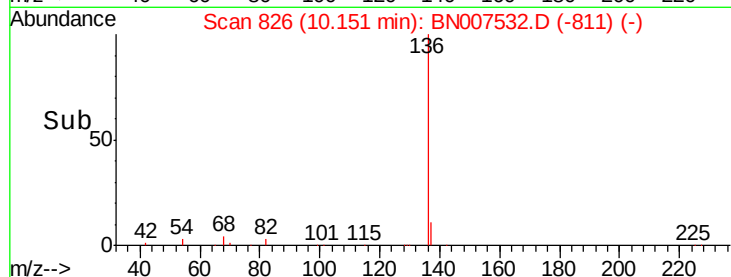


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.309 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

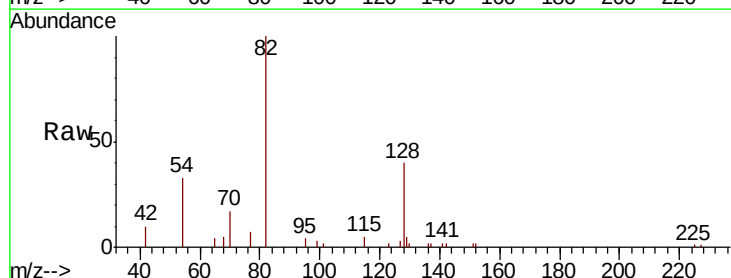
Tgt Ion: 82 Resp: 8012

Ion Ratio Lower Upper

82 100

128 39.6 19.7 29.5#

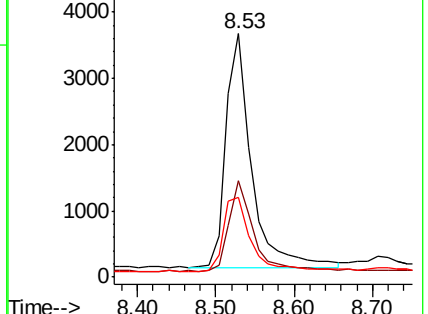
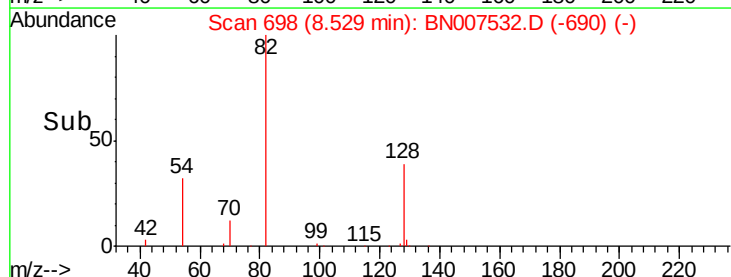
54 32.7 25.8 38.6

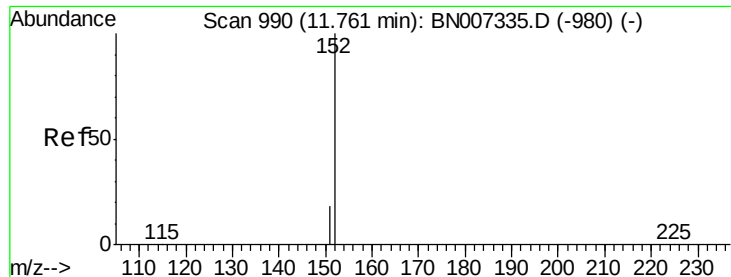


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

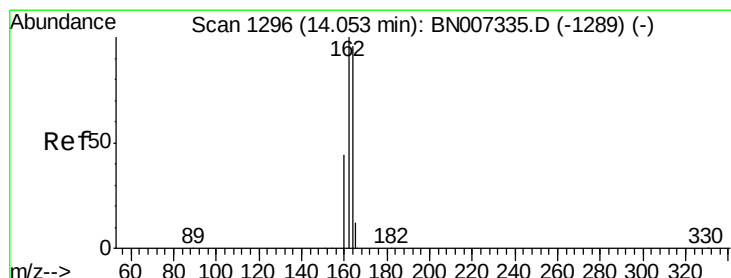
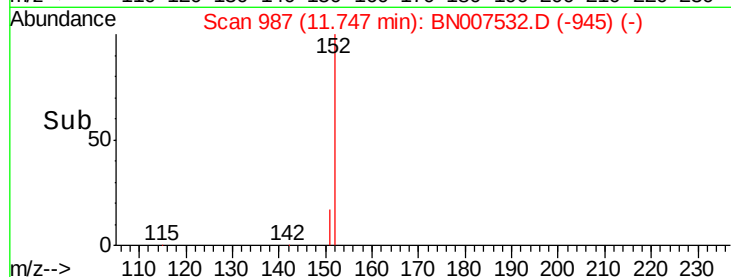
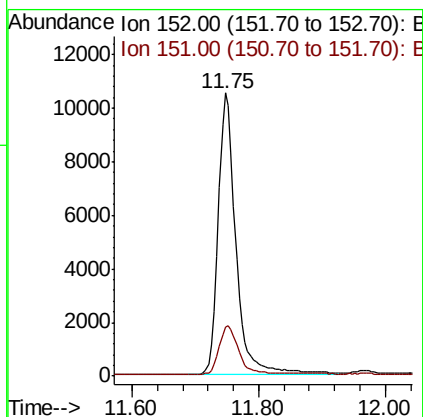
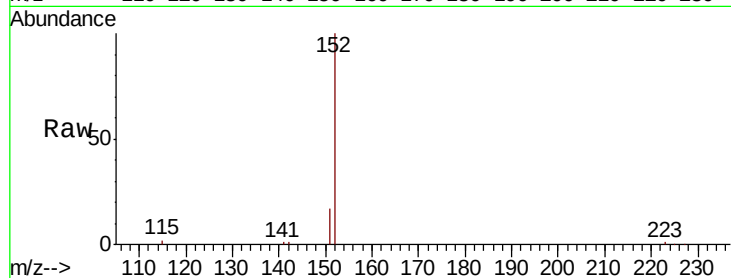




#11  
2-Methylnaphthalene-d10  
Concen: 0.414 ng  
RT: 11.75 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: BN007532.D  
Acq: 03 Sep 2019 11:04

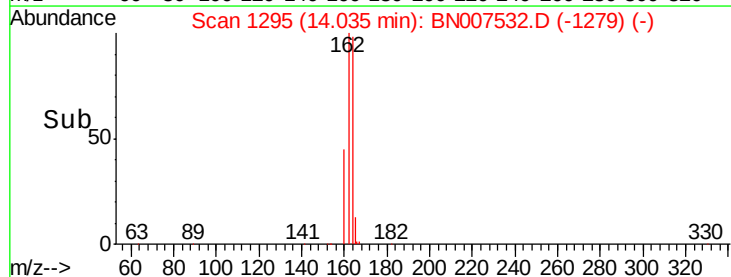
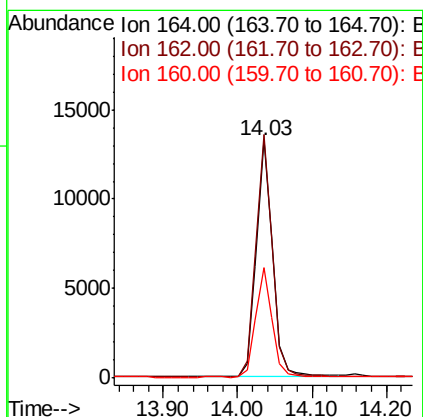
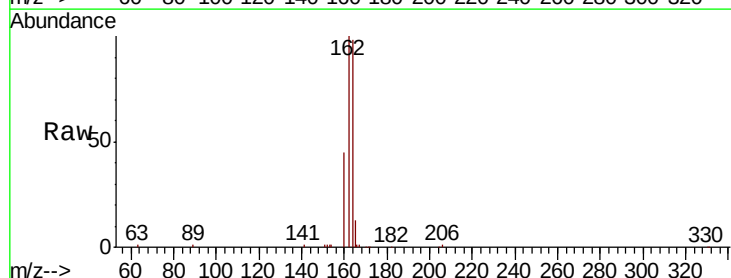
Instrument :  
BNA\_N  
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OUTFALL001-190820

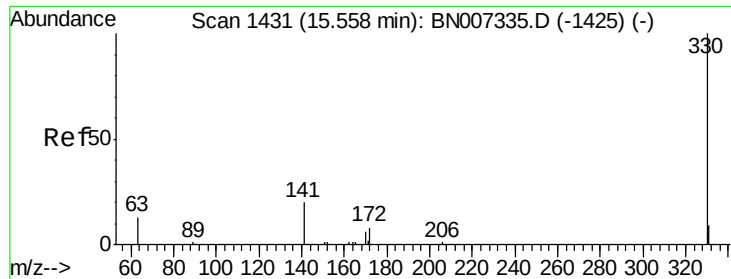
Tot Ion:152 Resp: 20485  
Ion Ratio Lower Upper  
152 100  
151 18.9 16.2 24.2



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.03 min Scan# 1295  
Delta R.T. -0.02 min  
Lab File: BN007532.D  
Acq: 03 Sep 2019 11:04

Tgt Ion:164 Resp: 20467  
Ion Ratio Lower Upper  
164 100  
162 102.3 83.5 125.3  
160 46.3 38.2 57.4

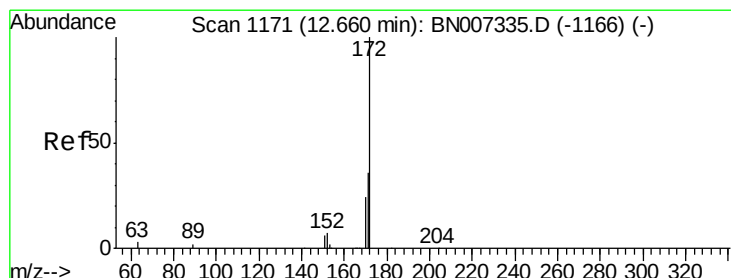
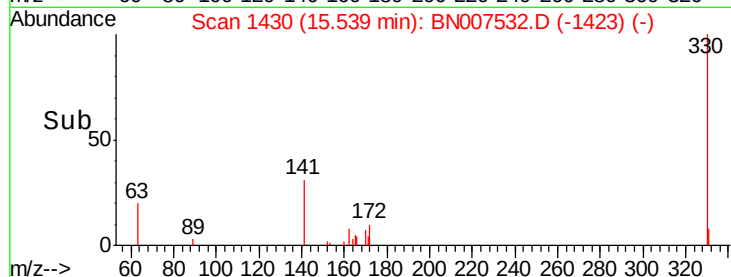
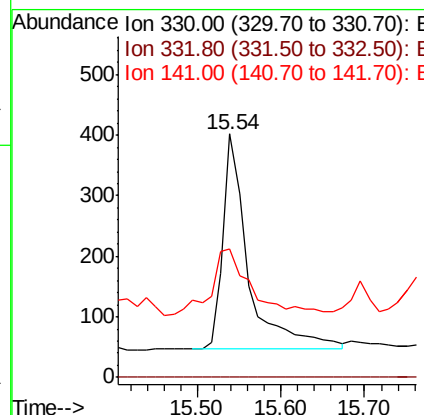
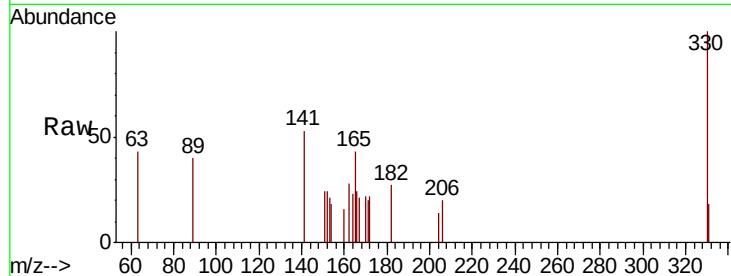




#14  
 2,4,6-Tribromophenol  
 Concen: 0.070 ng  
 RT: 15.54 min Scan# 1430  
 Delta R.T. -0.02 min  
 Lab File: BN007532.D  
 Acq: 03 Sep 2019 11:04

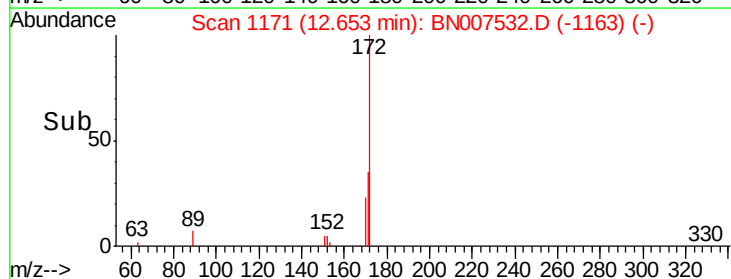
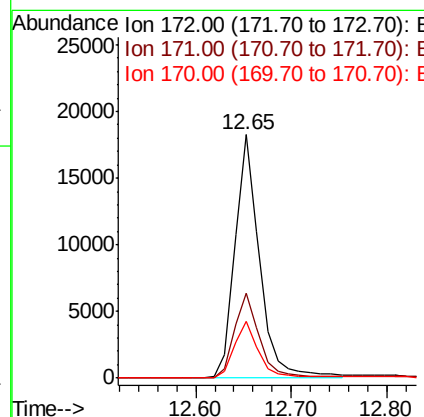
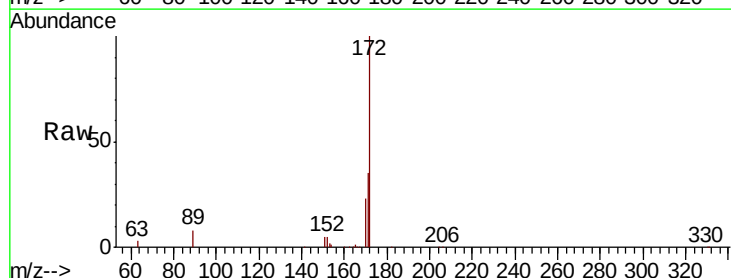
Instrument :  
 BNA\_N  
 ClientSampleId :  
 OUTFALL001-190820

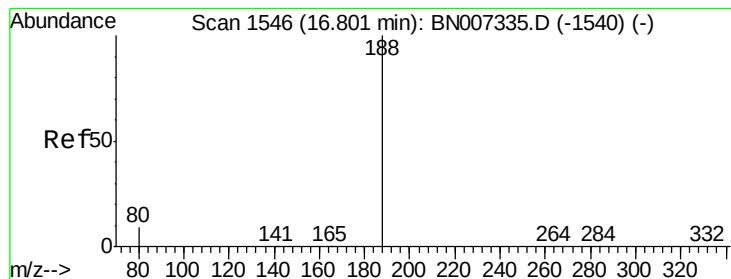
Tot Ion:330 Resp: 748  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 49.2 26.9 40.3#



#15  
 2-Fluorobiphenyl  
 Concen: 0.393 ng  
 RT: 12.65 min Scan# 1171  
 Delta R.T. -0.01 min  
 Lab File: BN007532.D  
 Acq: 03 Sep 2019 11:04

Tgt Ion:172 Resp: 32405  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 30.3 45.5  
 170 23.3 20.7 31.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

Instrument :

BNA\_N

ClientSampleId :

OUTFALL001-190820

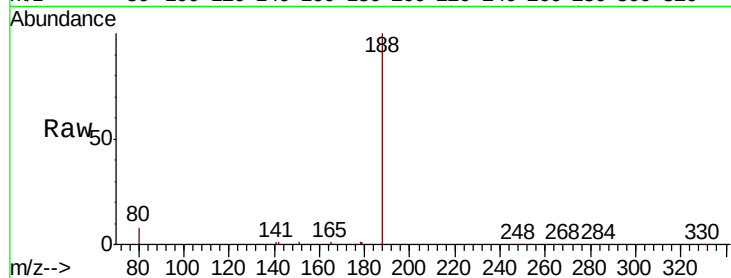
Tot Ion:188 Resp: 44893

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

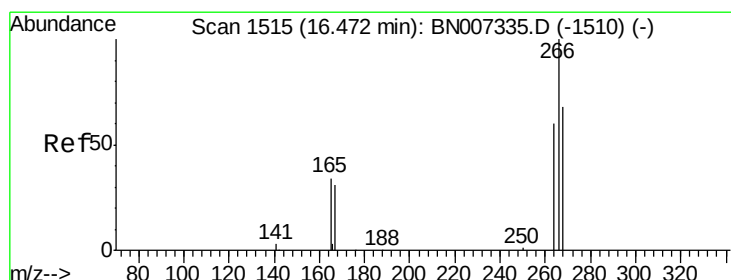
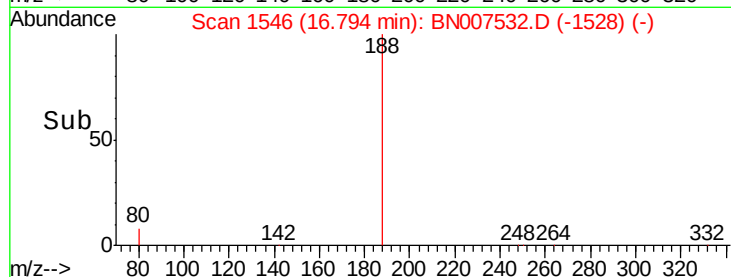
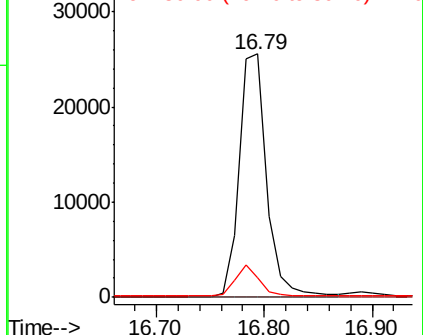
80 8.1 11.8 17.8#



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



#22

Pentachlorophenol

Concen: 0.043 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

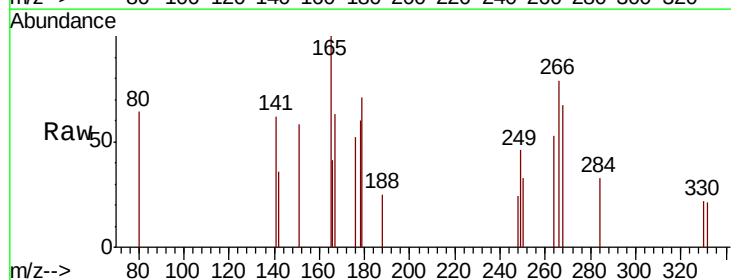
Tgt Ion:266 Resp: 401

Ion Ratio Lower Upper

266 100

264 66.9 57.8 86.8

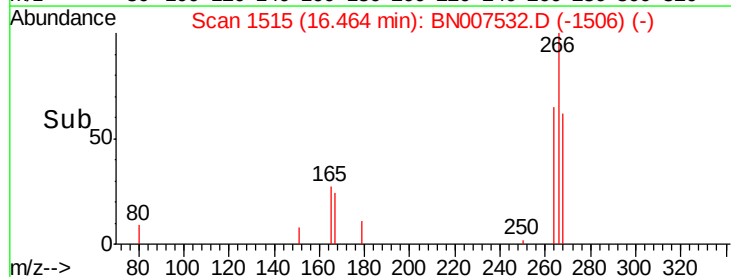
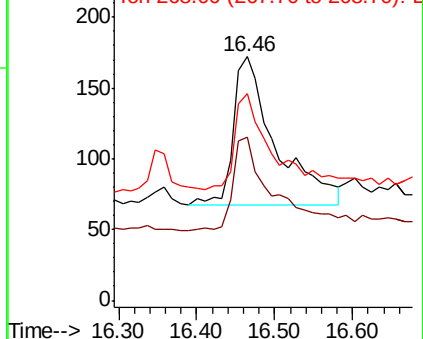
268 84.9 99.7 149.5#



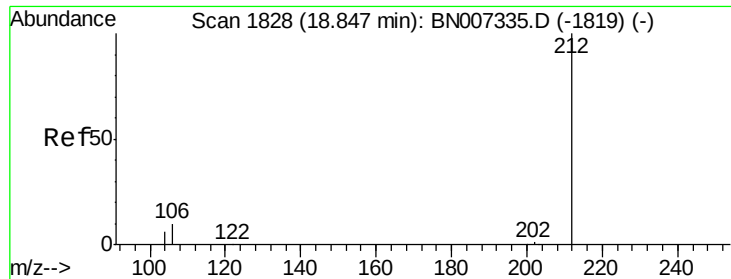
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E







#25

Fluoranthene-d10

Concen: 0.399 ng

RT: 18.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

Instrument :

BNA\_N

ClientSampleId :

OUTFALL001-190820

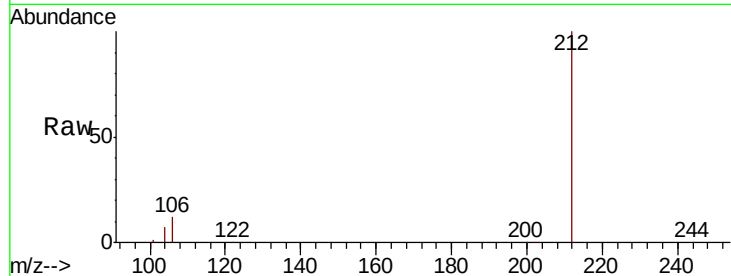
Tot Ion:212 Resp: 57752

Ion Ratio Lower Upper

212 100

106 12.6 9.0 13.4

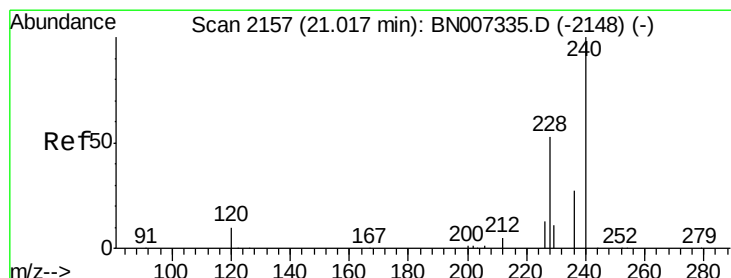
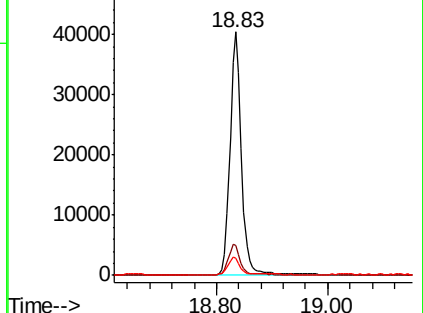
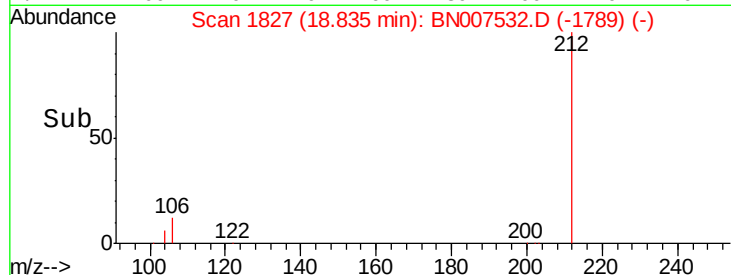
104 7.1 5.4 8.2



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: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

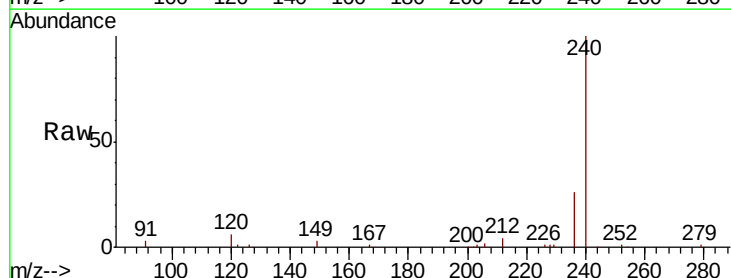
Tgt Ion:240 Resp: 40997

Ion Ratio Lower Upper

240 100

120 5.6 9.6 14.4#

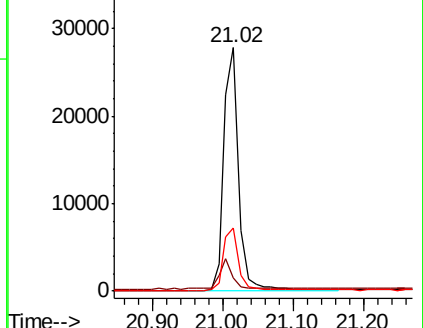
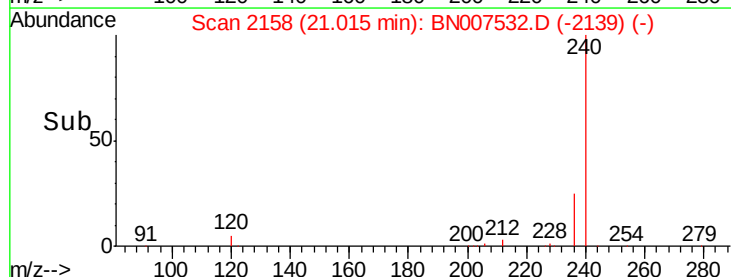
236 25.7 22.2 33.2

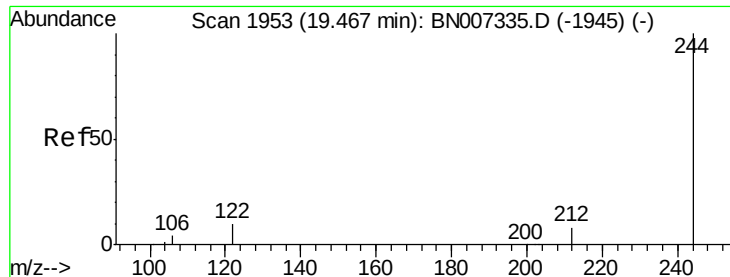


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.465 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

Instrument :

BNA\_N

ClientSampleId :

OUTFALL001-190820

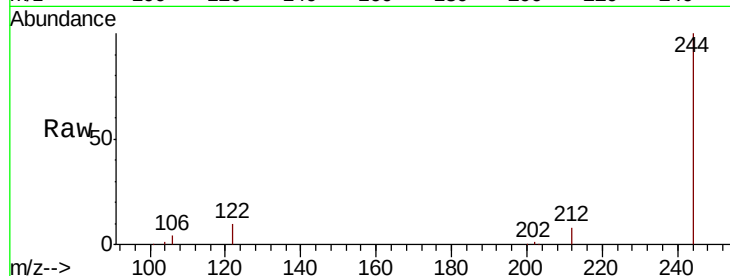
Tot Ion:244 Resp: 49874

Ion Ratio Lower Upper

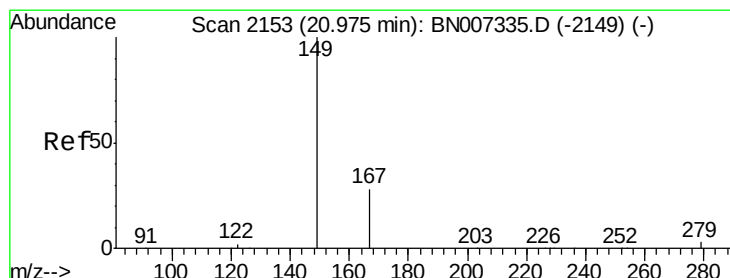
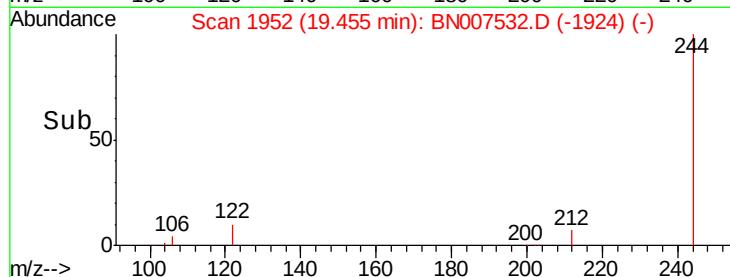
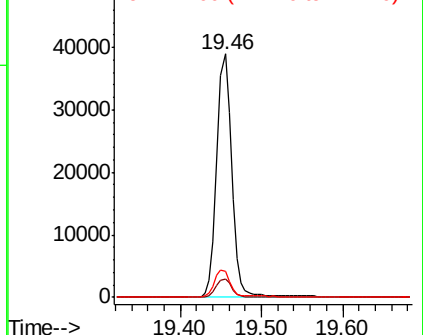
244 100

212 7.6 7.0 10.6

122 10.5 9.6 14.4



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: 0.050 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

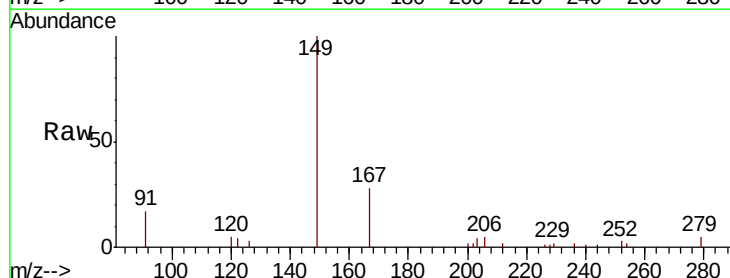
Tgt Ion:149 Resp: 7139

Ion Ratio Lower Upper

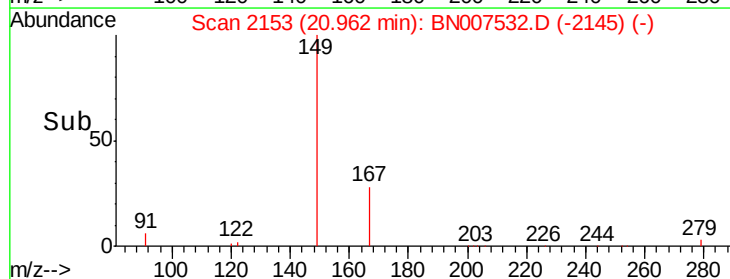
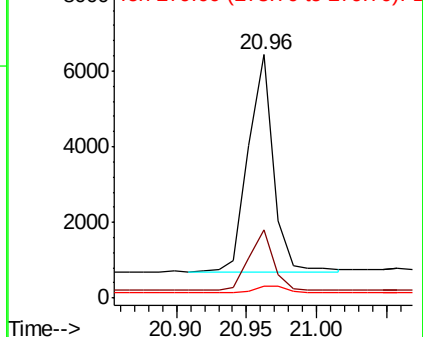
149 100

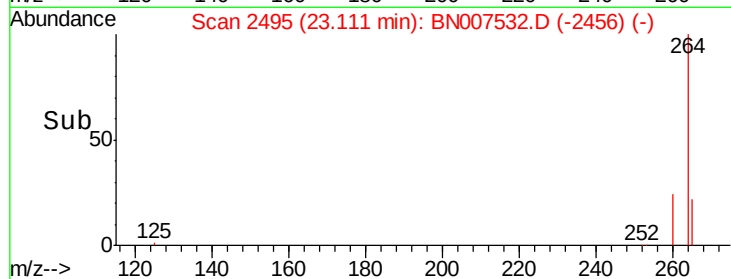
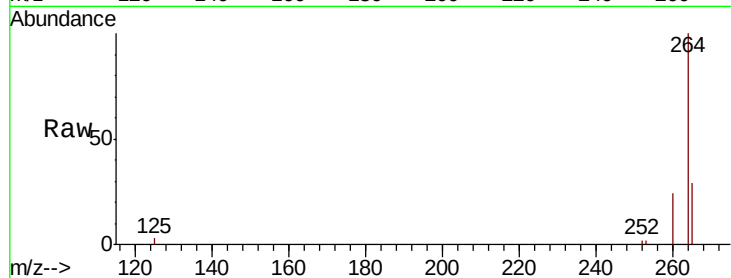
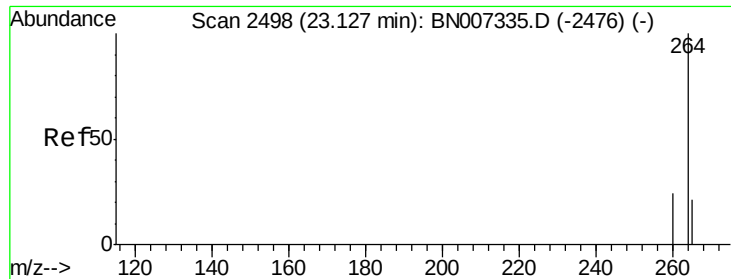
167 27.8 22.8 34.2

279 4.2 3.5 5.3



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

Pervlene-d12

Concen: 0.400 ng

RT: 23.11 min Scan# 2495

Delta R.T. -0.02 min

Lab File: BN007532.D

Acq: 03 Sep 2019 11:04

Instrument :

BNA\_N

ClientSampleId :

OUTFALL001-190820

Tot Ion:264 Resp: 40082

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

265 28.6 29.9 44.9#

