

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102921\  
 Data File : BN017204.D  
 Acq On : 30 Oct 2021 07:25  
 Operator : CG/JU  
 Sample : M4360-11  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-RW9-GW-278-280

Manual Integrations  
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Quant Time: Oct 30 08:06:20 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN102921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 30 00:49:11 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.561  | 152  | 30335    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.332 | 136  | 142180   | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.194 | 164  | 73302    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.946 | 188  | 140603   | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.154 | 240  | 133080   | 0.400 | ng    | #-0.01   |
| 35) Perylene-d12              | 23.369 | 264  | 134543   | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.191  | 112  | 9675     | 0.142 | ng    | 0.02     |
| 5) Phenol-d6                  | 6.758  | 99   | 5863     | 0.078 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.710  | 82   | 20987    | 0.253 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.928 | 152  | 61792    | 0.287 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.704 | 330  | 6294     | 0.324 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.824 | 172  | 80960    | 0.295 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.995 | 212  | 130316   | 0.330 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.605 | 244  | 121083   | 0.424 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.172  | 88   | 7482m    | 0.463 | ng    | Qvalue   |
| 34) Bis(2-ethylhexyl)phtha... | 21.101 | 149  | 17932    | 0.246 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

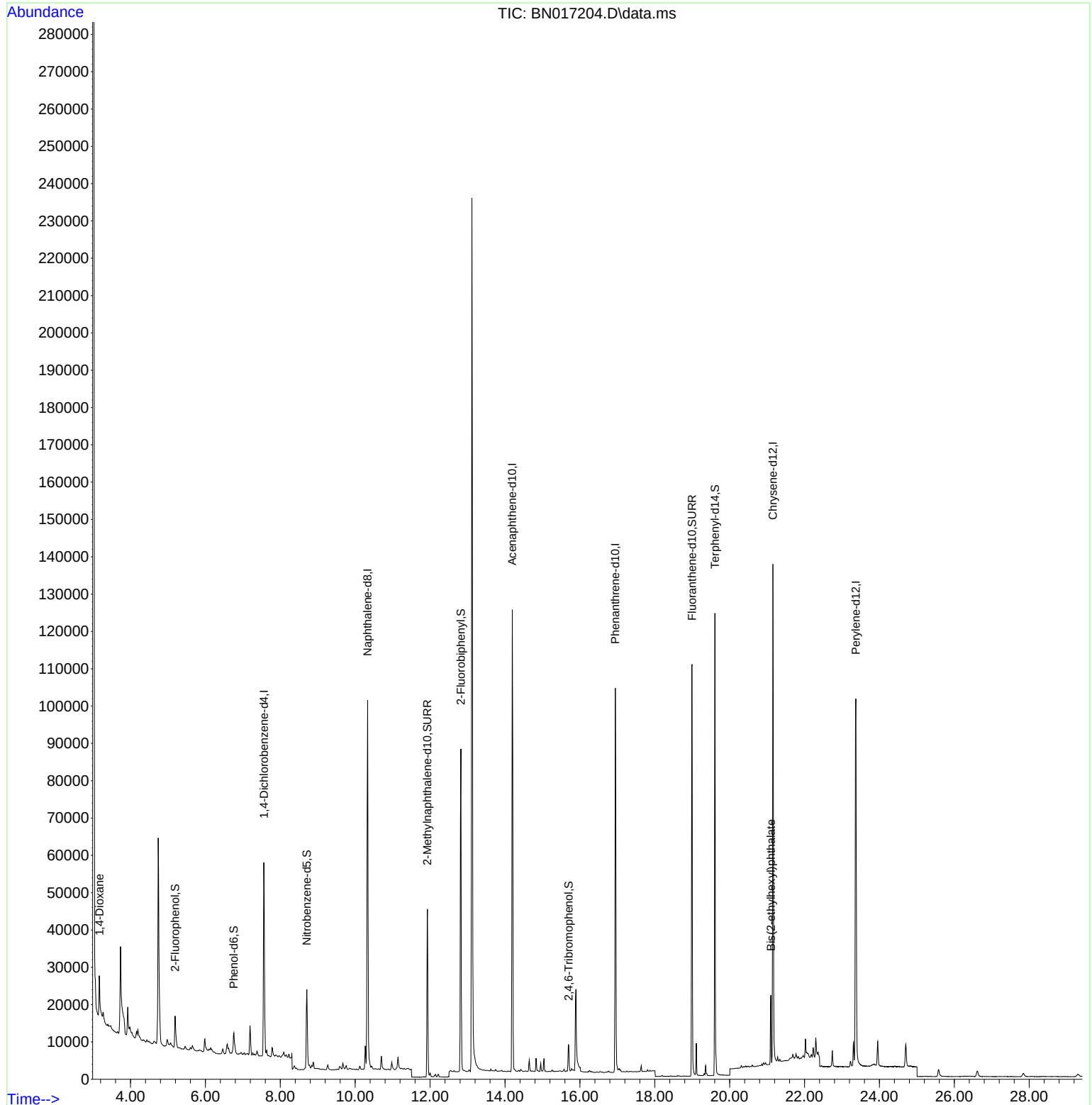
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102921\  
Data File : BN017204.D  
Acq On : 30 Oct 2021 07:25  
Operator : CG/JU  
Sample : M4360-11  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

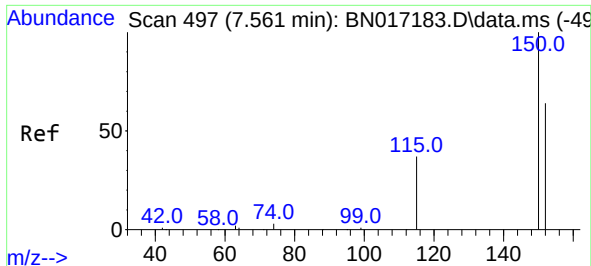
Instrument :  
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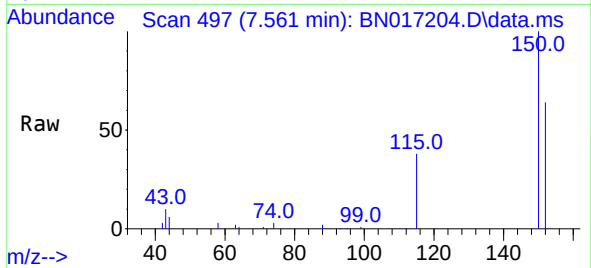
Quant Time: Oct 30 08:06:20 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN102921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 30 00:49:11 2021  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.561 min Scan# 497  
Delta R.T. -0.000 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

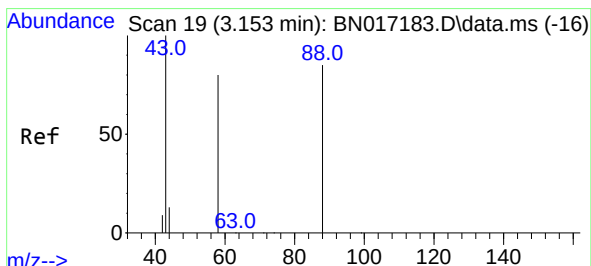
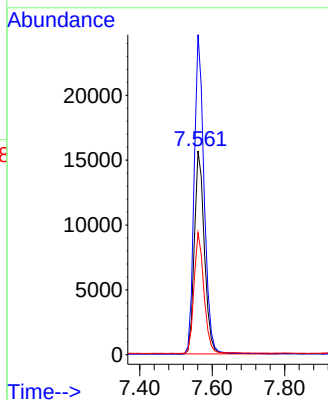
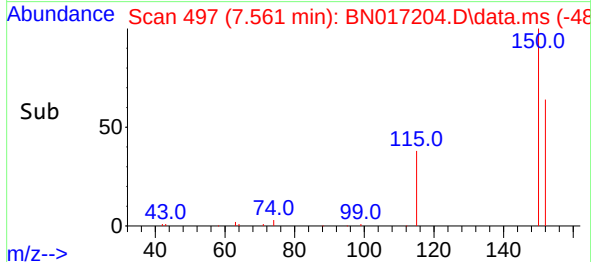
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-278-280



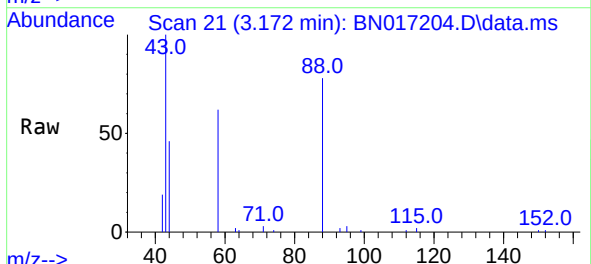
Tgt Ion:152 Resp: 30335  
Ion Ratio Lower Upper  
152 100  
150 157.2 124.6 187.0  
115 59.9 47.0 70.6

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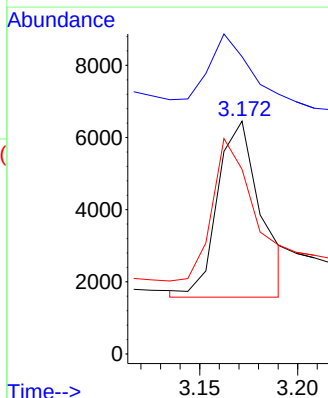
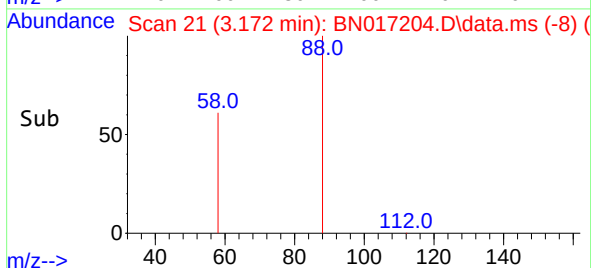
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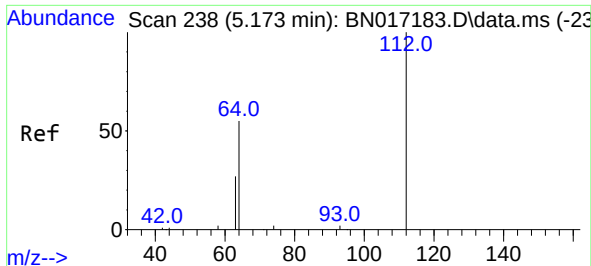


#2  
1,4-Dioxane  
Concen: 0.463 ng m  
RT: 3.172 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25



Tgt Ion: 88 Resp: 7482  
Ion Ratio Lower Upper  
88 100  
43 31.0 103.8 155.6#  
58 70.5 70.6 106.0#





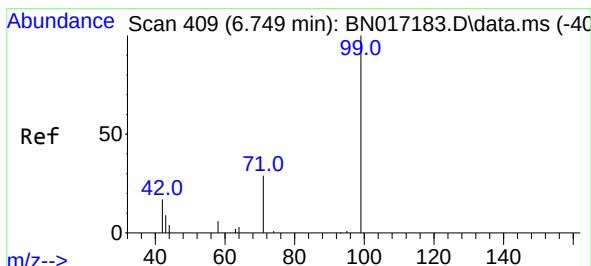
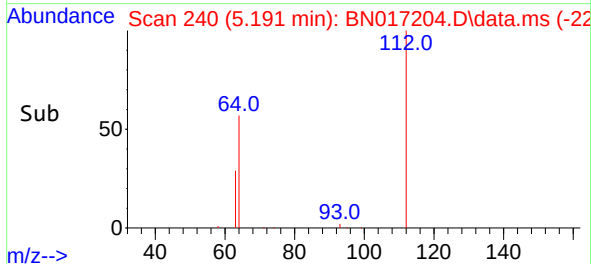
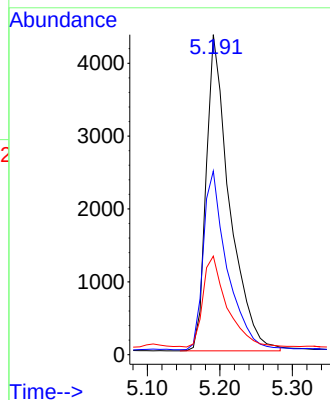
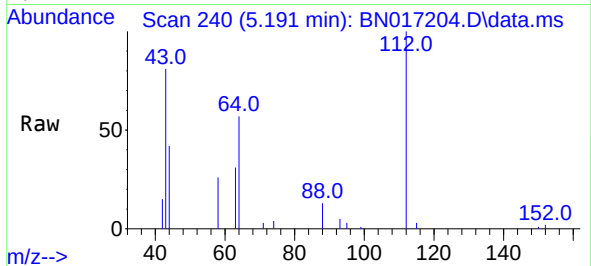
#4  
2-Fluorophenol  
Concen: 0.142 ng  
RT: 5.191 min Scan# 240  
Delta R.T. 0.018 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

Tgt Ion: 112 Resp: 9675  
Ion Ratio Lower Upper  
112 100  
64 57.6 46.6 70.0  
63 29.1 23.8 35.6

Instrument :  
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ClientSampleId :  
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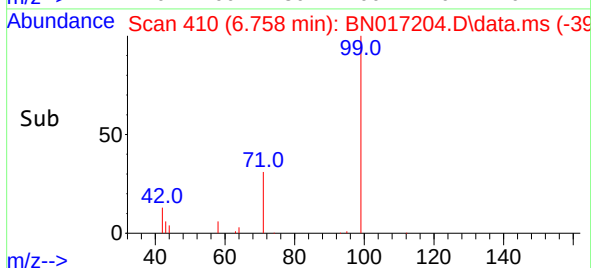
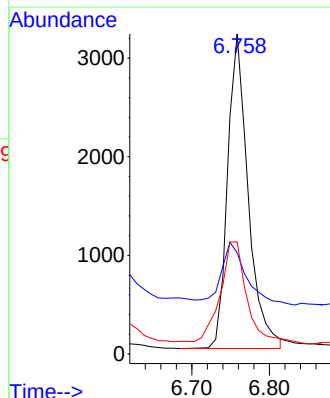
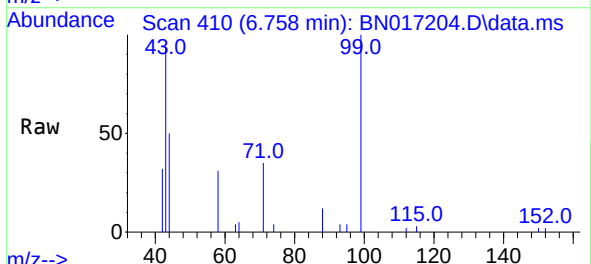
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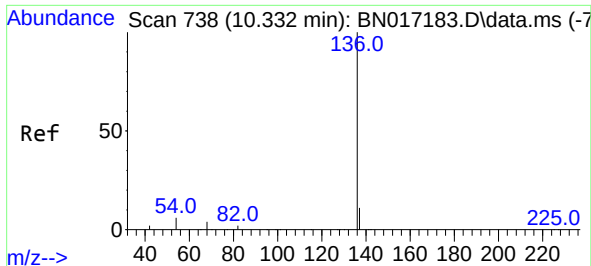
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#5  
Phenol-d6  
Concen: 0.078 ng  
RT: 6.758 min Scan# 410  
Delta R.T. 0.009 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

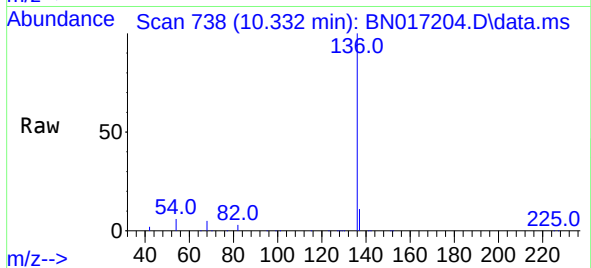
Tgt Ion: 99 Resp: 5863  
Ion Ratio Lower Upper  
99 100  
42 20.7 16.2 24.4  
71 39.0 24.6 37.0#





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.332 min Scan# 738  
Delta R.T. -0.000 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

Instrument :  
BNA\_N  
ClientSampleId :  
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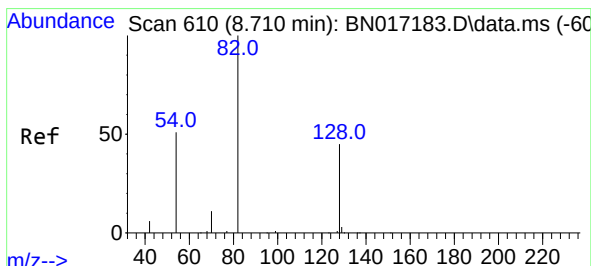
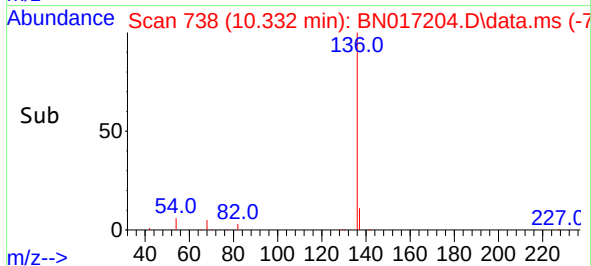
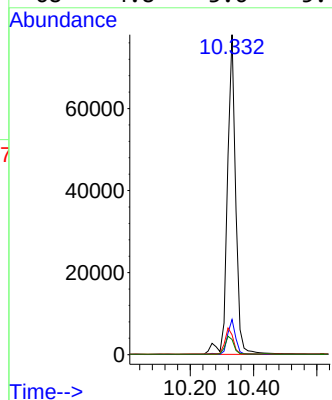


Tgt Ion: 136 Resp: 142180

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.8   | 13.2  |
| 54  | 6.2   | 4.8   | 7.2   |
| 68  | 4.8   | 3.6   | 5.4   |

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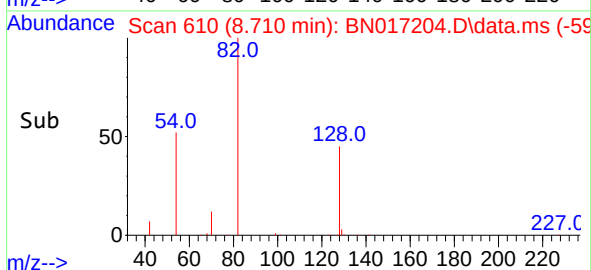
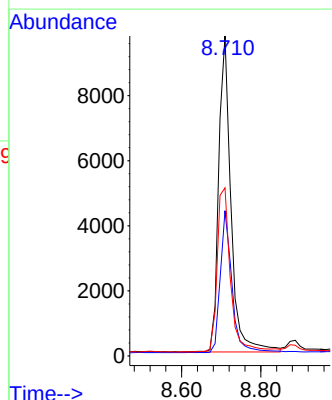
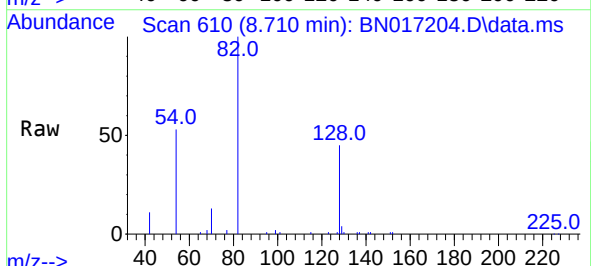
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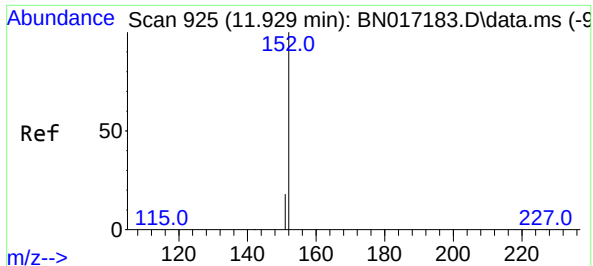


#8  
Nitrobenzene-d5  
Concen: 0.253 ng  
RT: 8.710 min Scan# 610  
Delta R.T. -0.000 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

Tgt Ion: 82 Resp: 20987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.4  | 36.0  | 54.0  |
| 54  | 52.6  | 41.0  | 61.6  |





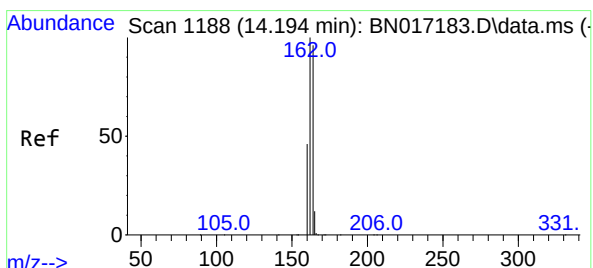
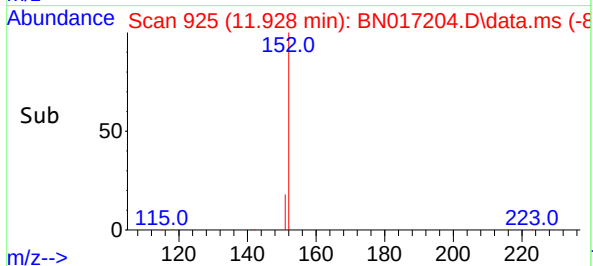
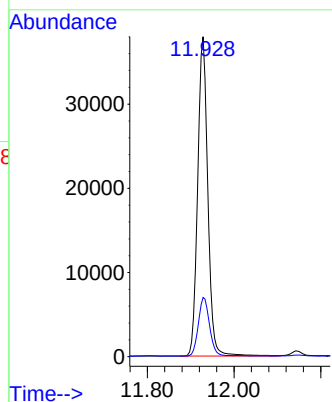
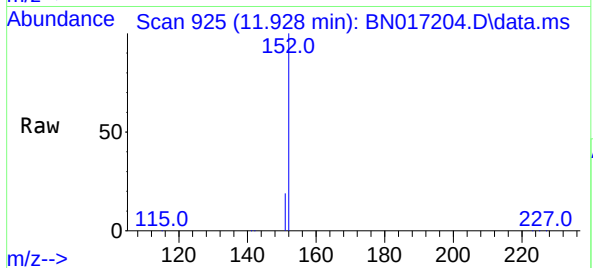
#11  
2-Methylnaphthalene-d10  
Concen: 0.287 ng  
RT: 11.928 min Scan# 925  
Delta R.T. -0.000 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

Tgt Ion:152 Resp: 61792  
Ion Ratio Lower Upper  
152 100  
151 20.4 15.9 23.9

Instrument :  
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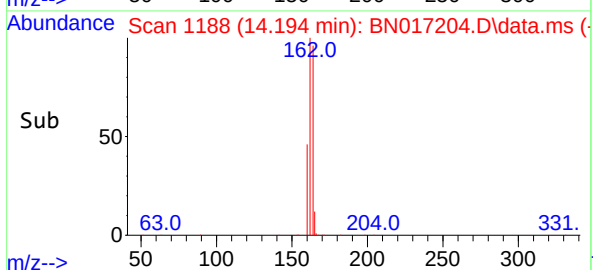
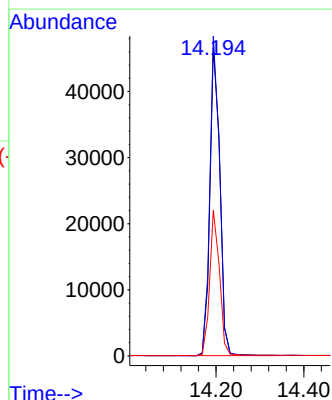
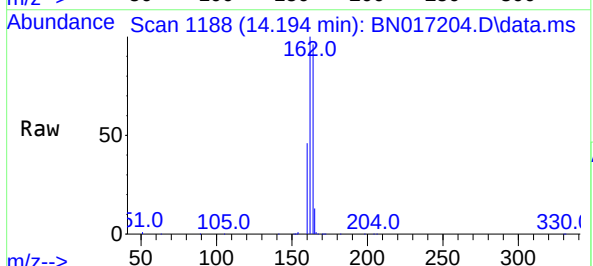
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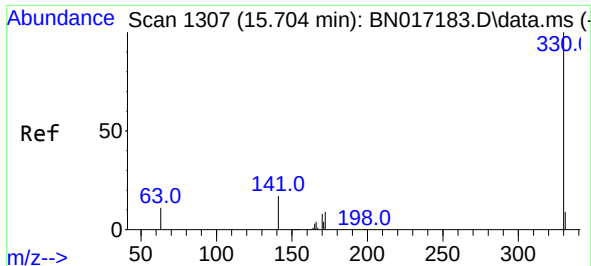
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#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.194 min Scan# 1188  
Delta R.T. -0.000 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

Tgt Ion:164 Resp: 73302  
Ion Ratio Lower Upper  
164 100  
162 103.9 83.6 125.4  
160 47.4 38.3 57.5





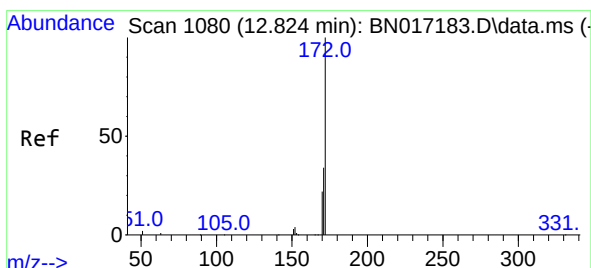
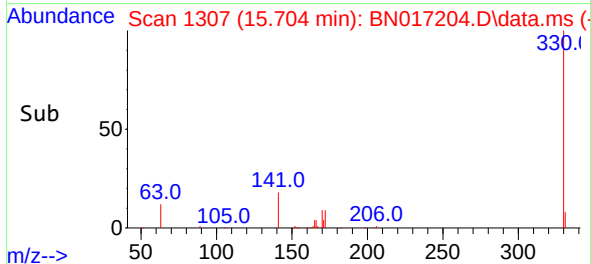
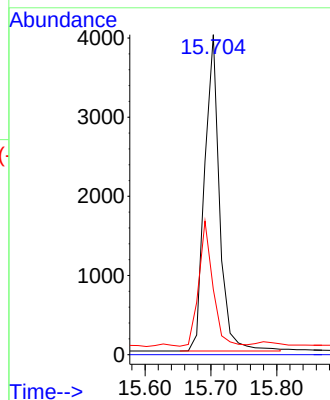
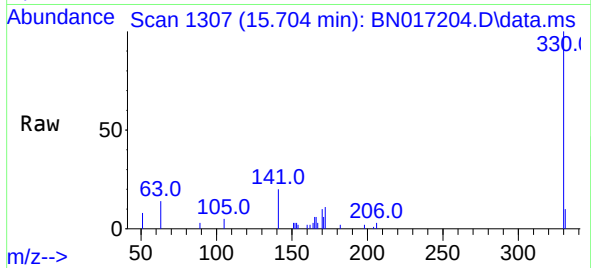
#14  
2,4,6-Tribromophenol  
Concen: 0.324 ng  
RT: 15.704 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

Tgt Ion: 330 Resp: 6294  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 37.4 30.7 46.1

Instrument :  
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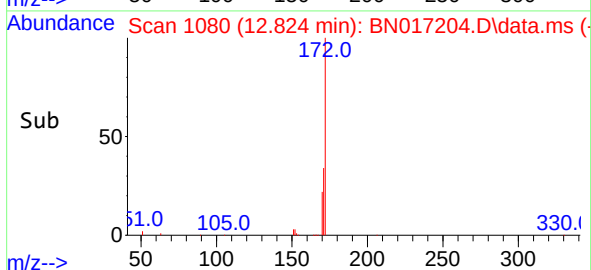
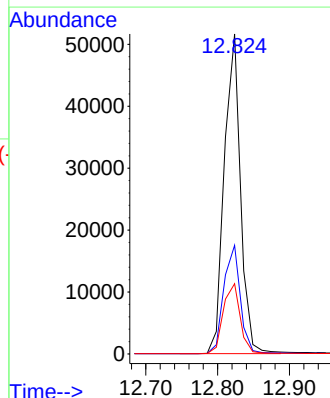
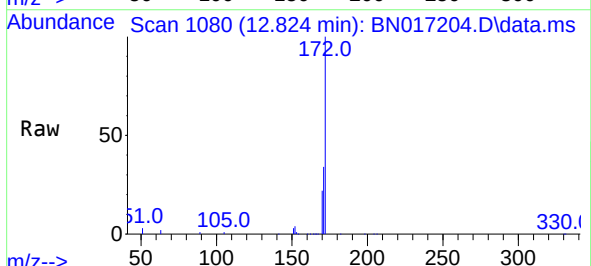
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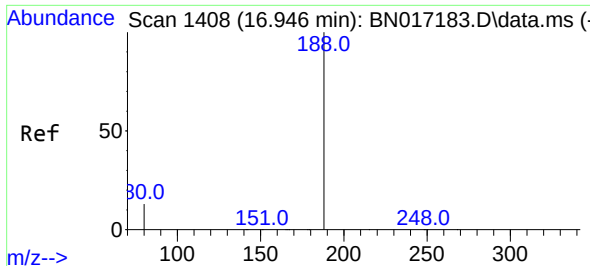
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#15  
2-Fluorobiphenyl  
Concen: 0.295 ng  
RT: 12.824 min Scan# 1080  
Delta R.T. -0.000 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

Tgt Ion: 172 Resp: 80960  
Ion Ratio Lower Upper  
172 100  
171 33.9 27.0 40.6  
170 22.0 17.5 26.3





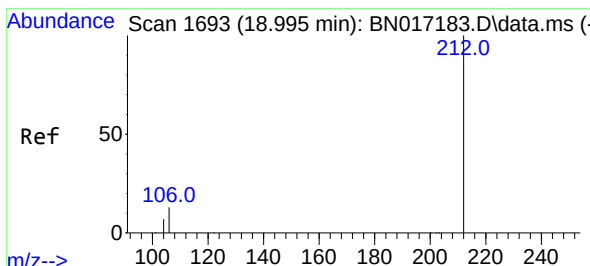
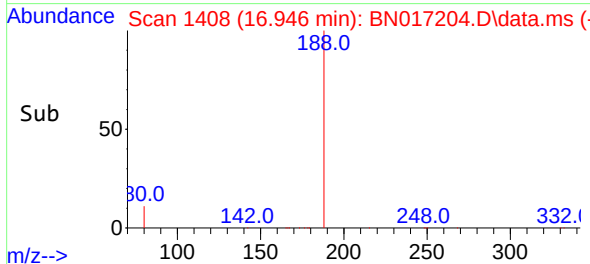
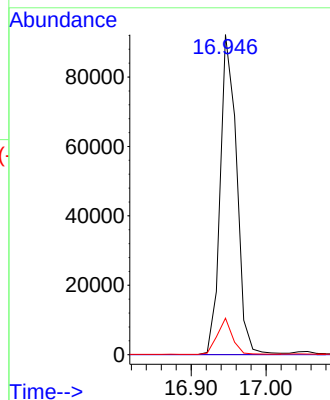
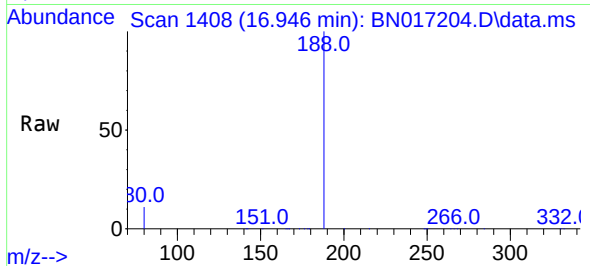
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Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.946 min Scan# 1408  
Delta R.T. -0.000 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

Tgt Ion:188 Resp: 140603  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.4 10.3 15.5

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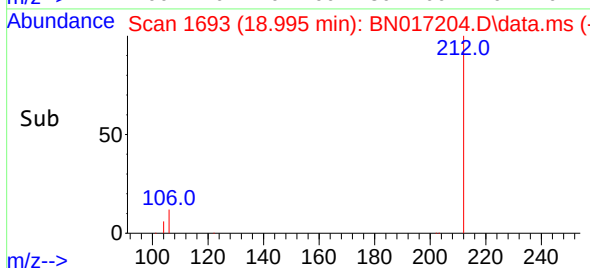
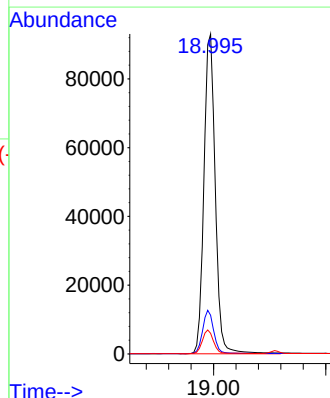
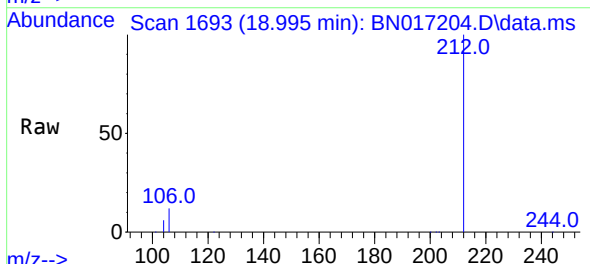
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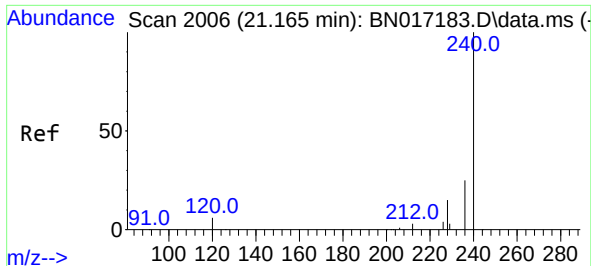


#27  
Fluoranthene-d10  
Concen: 0.330 ng  
RT: 18.995 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

Tgt Ion:212 Resp: 130316  
Ion Ratio Lower Upper  
212 100  
106 13.3 10.6 15.8  
104 7.1 5.8 8.6







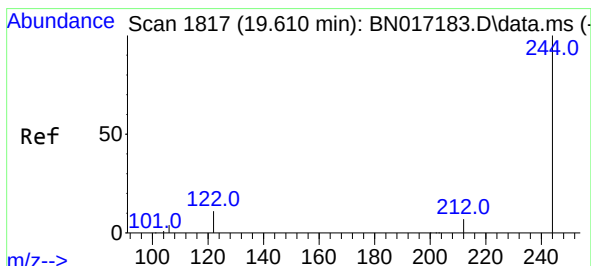
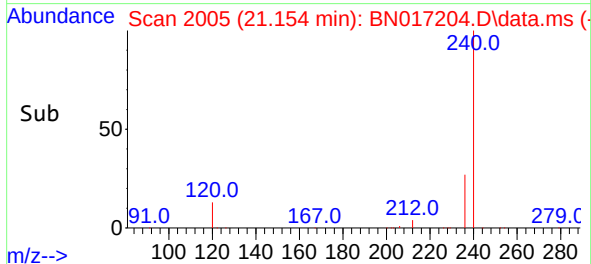
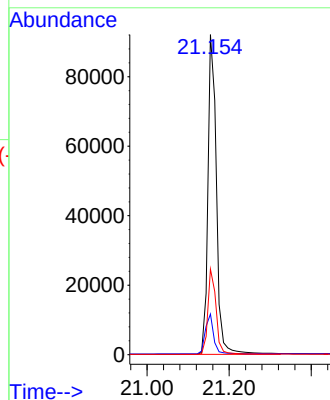
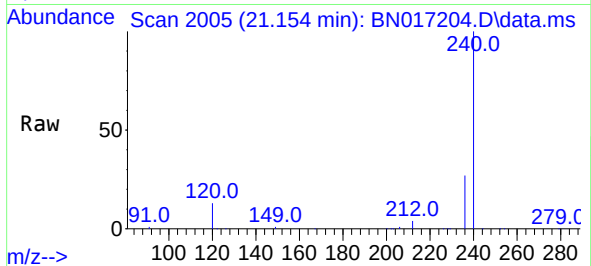
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Chrysene-d12  
Concen: 0.400 ng  
RT: 21.154 min Scan# 2005  
Delta R.T. -0.011 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

Tgt Ion:240 Resp: 133080  
Ion Ratio Lower Upper  
240 100  
120 12.7 5.0 7.4#  
236 26.7 20.3 30.5

Instrument :  
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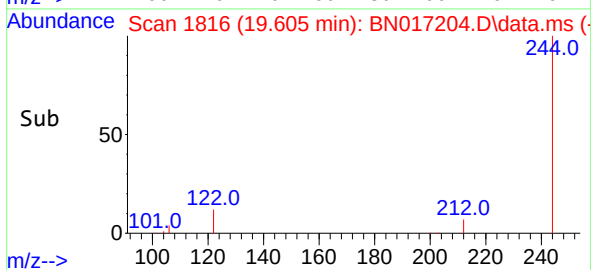
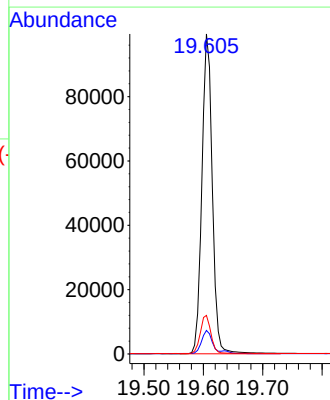
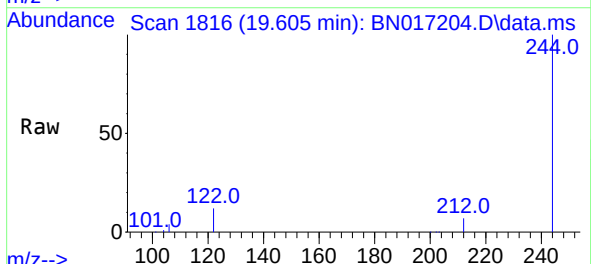
Manual Integrations  
APPROVED

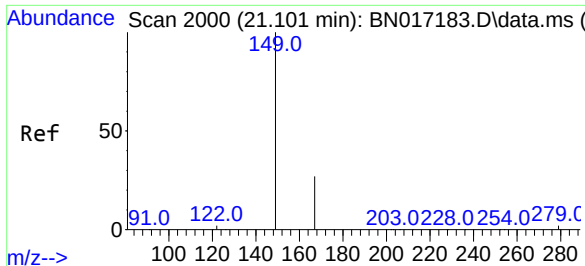
mohammad  
11/1/2021 1:37:15 PM



#31  
Terphenyl-d14  
Concen: 0.424 ng  
RT: 19.605 min Scan# 1816  
Delta R.T. -0.005 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

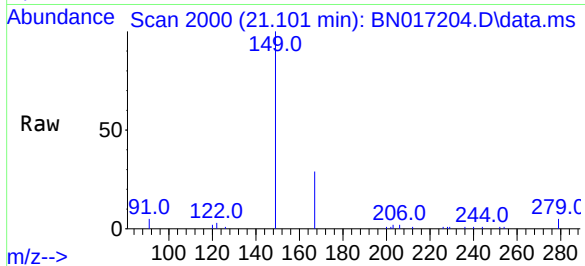
Tgt Ion:244 Resp: 121083  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.8 8.6  
122 12.1 9.2 13.8





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.246 ng  
RT: 21.101 min Scan# 2000  
Delta R.T. 0.000 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25

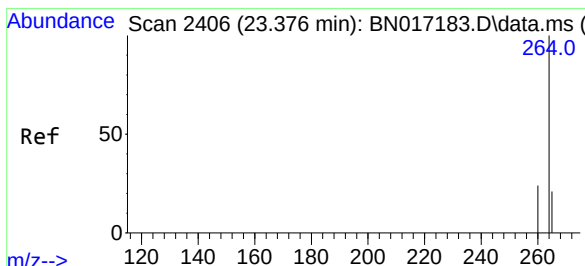
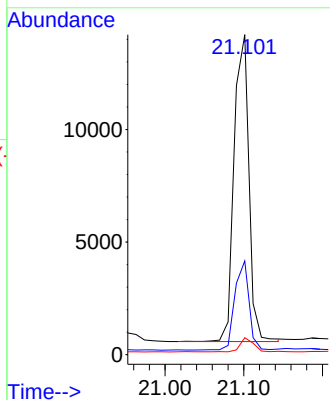
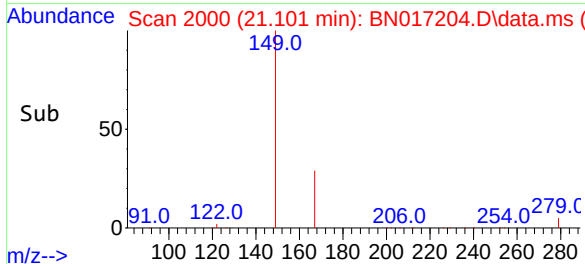
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW9-GW-278-280



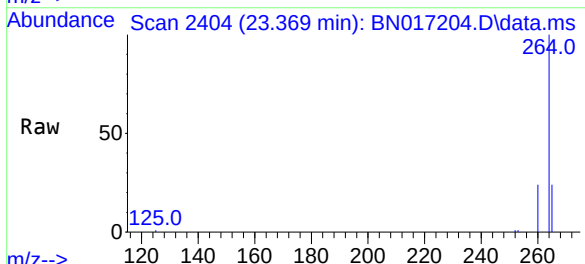
Tgt Ion:149 Resp: 17932  
Ion Ratio Lower Upper  
149 100  
167 27.6 21.6 32.4  
279 4.1 3.2 4.8

Manual Integrations  
APPROVED

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11/1/2021 1:37:15 PM



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.369 min Scan# 2404  
Delta R.T. -0.007 min  
Lab File: BN017204.D  
Acq: 30 Oct 2021 07:25



Tgt Ion:264 Resp: 134543  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.4 29.0  
265 23.9 18.2 27.4

