

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121121\  
 Data File : BN017888.D  
 Acq On : 11 Dec 2021 02:05  
 Operator : CG/JU  
 Sample : M4922-15DL 2X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE131D1-20211130DL

Quant Time: Dec 11 05:46:13 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 11 00:01:30 2021  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 12/13/2021  
 Supervised By :Jagrut Upadhyay 12/13/2021

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.715  | 152  | 26876    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.494 | 136  | 102756   | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.335 | 164  | 72623    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.093 | 188  | 152897   | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.293 | 240  | 102544   | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.593 | 264  | 66920    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.336  | 112  | 2968     | 0.054 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.903  | 99   | 1565     | 0.028 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.859  | 82   | 7341     | 0.109 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.090 | 152  | 21724    | 0.120 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.844 | 330  | 1488     | 0.370 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.977 | 172  | 32222    | 0.126 | ng    | 0.01     |
| 27) Fluoranthene-d10          | 19.129 | 212  | 78023    | 0.157 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.735 | 244  | 58734    | 0.232 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.270  | 88   | 28079m   | 3.443 | ng    | Qvalue   |
| 34) Bis(2-ethylhexyl)phtha... | 21.208 | 149  | 5831     | 0.053 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

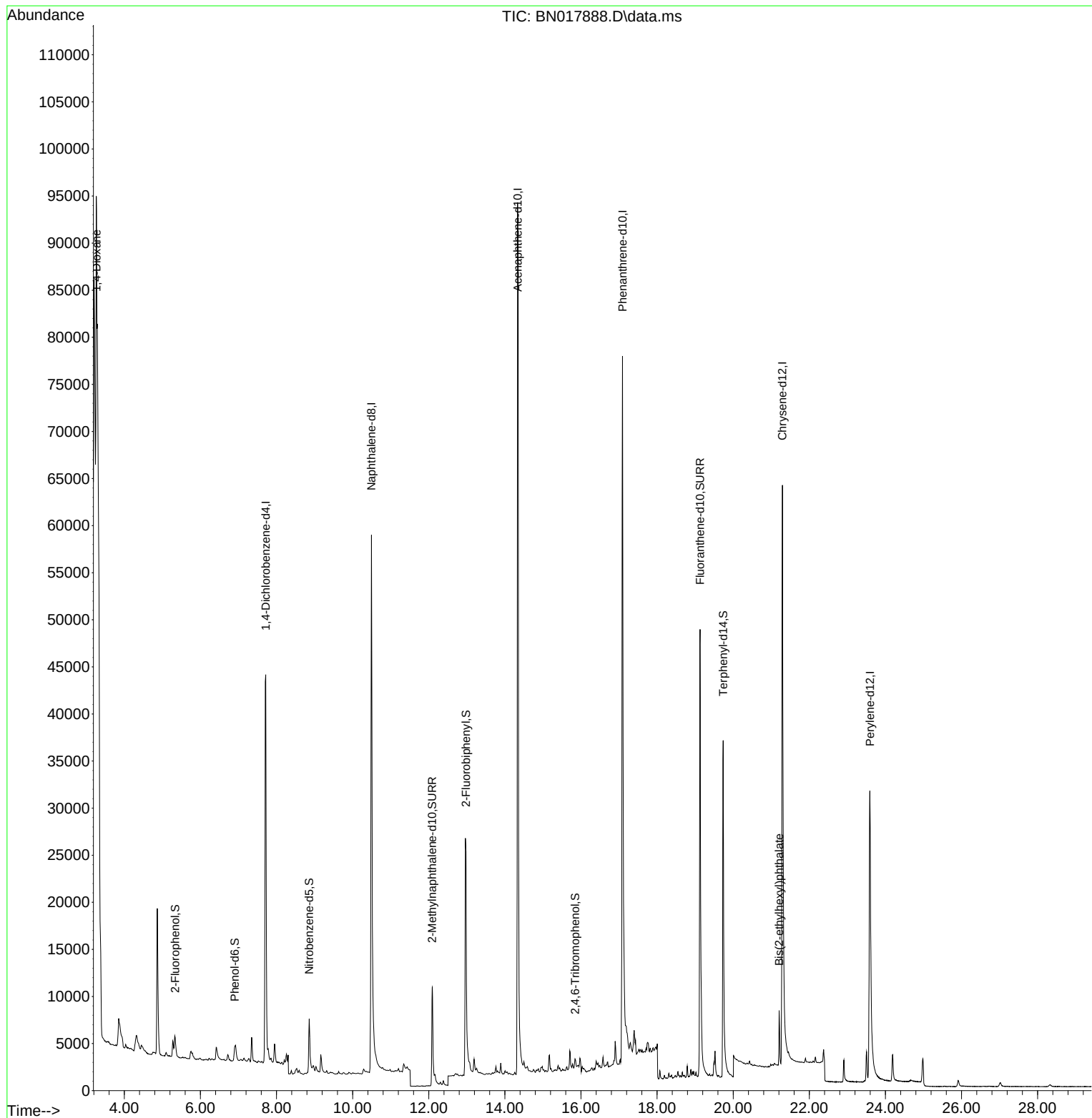
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121121\  
Data File : BN017888.D  
Acq On : 11 Dec 2021 02:05  
Operator : CG/JU  
Sample : M4922-15DL 2X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

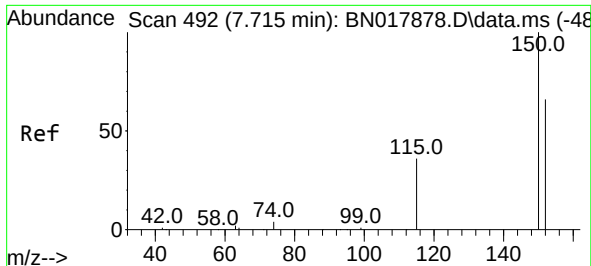
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20211130DL

Quant Time: Dec 11 05:46:13 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 11 00:01:30 2021  
Response via : Initial Calibration

Manual Integrations  
APPROVED

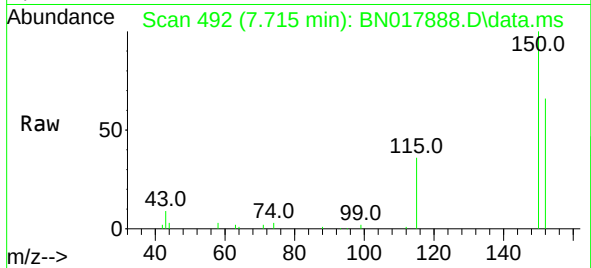
Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.715 min Scan# 492  
Delta R.T. -0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

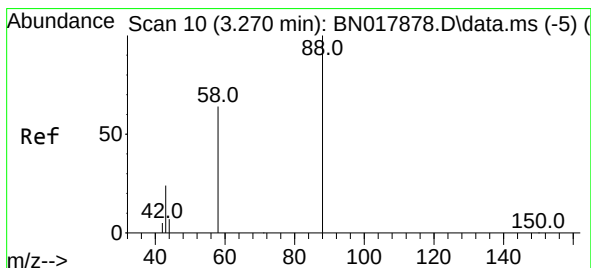
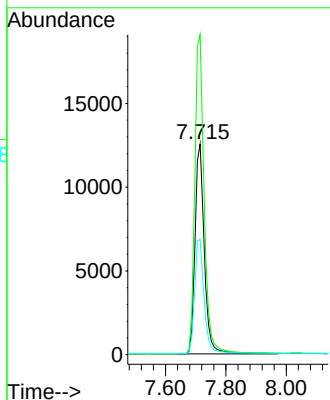
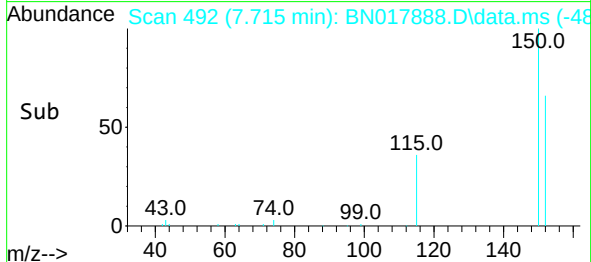
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20211130DL



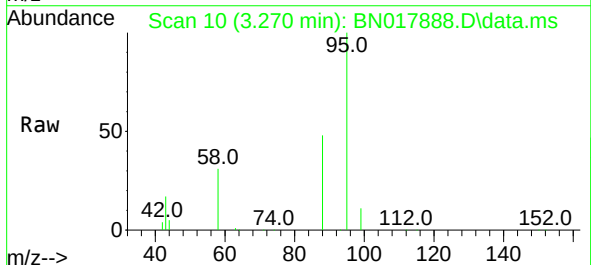
Tgt Ion: 152 Resp: 26870  
Ion Ratio Lower Upper  
152 100  
150 151.9 121.9 182.9  
115 54.8 44.1 66.1

Manual Integrations  
APPROVED

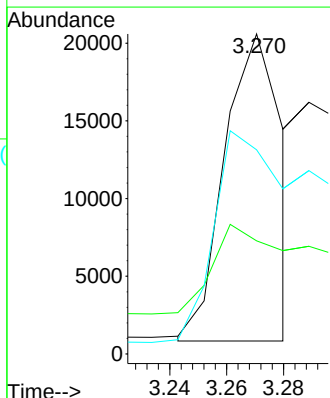
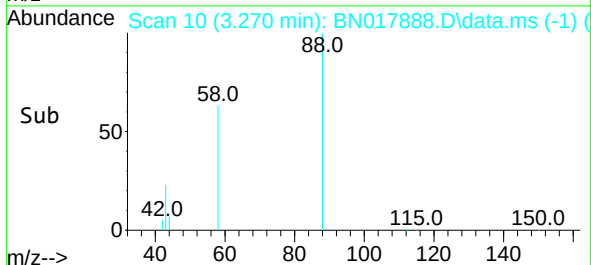
Reviewed By : Christian Giraldo 12/13/2021  
Supervised By : Jagrut Upadhyay 12/13/2021

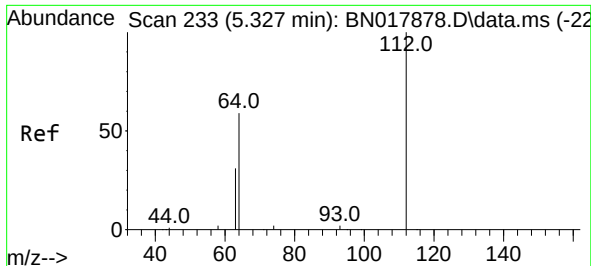


#2  
1,4-Dioxane  
Concen: 3.443 ng m  
RT: 3.270 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05



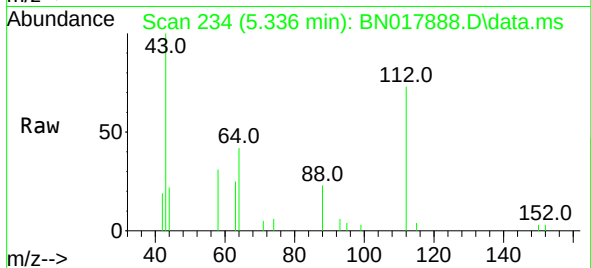
Tgt Ion: 88 Resp: 28079  
Ion Ratio Lower Upper  
88 100  
43 48.5 28.0 42.0#  
58 119.2 65.4 98.0#





#4  
2-Fluorophenol  
Concen: 0.054 ng  
RT: 5.336 min Scan# 21  
Delta R.T. 0.009 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

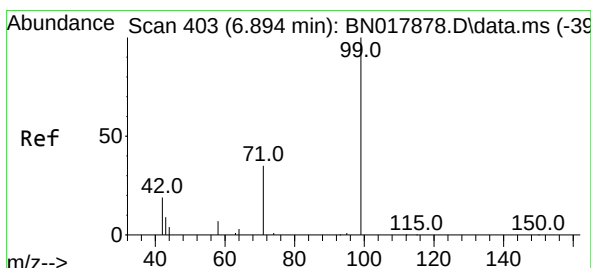
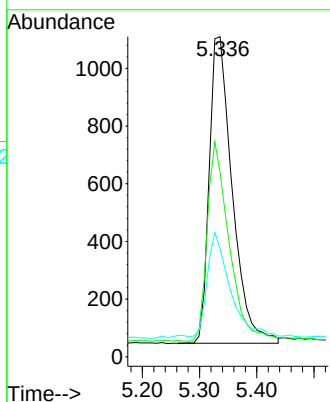
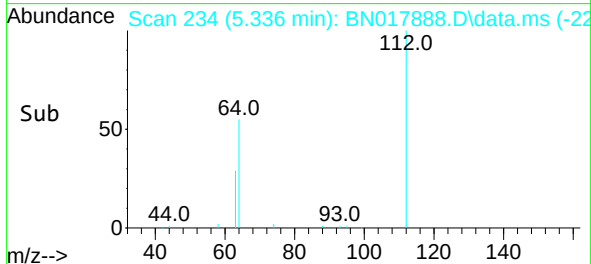
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20211130DL



Tgt Ion: 112 Resp: 296  
Ion Ratio Lower Upper  
112 100  
64 61.8 49.0 73.4  
63 33.5 26.2 39.2

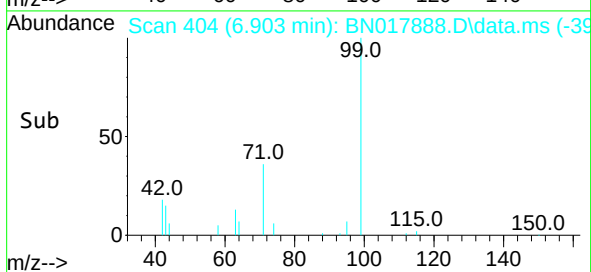
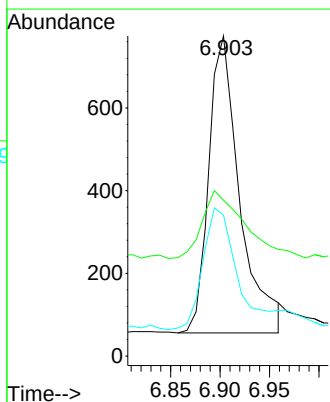
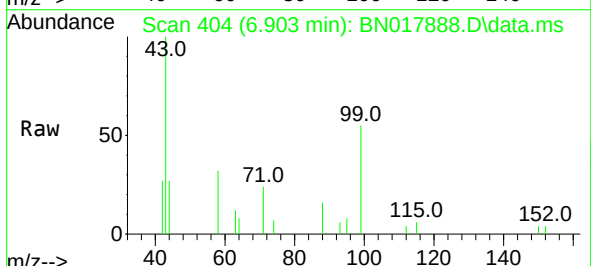
Manual Integrations  
APPROVED

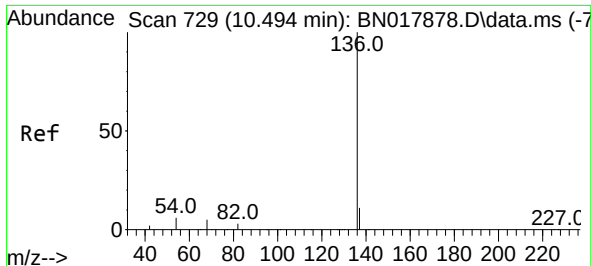
Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021



#5  
Phenol-d6  
Concen: 0.028 ng  
RT: 6.903 min Scan# 404  
Delta R.T. 0.009 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

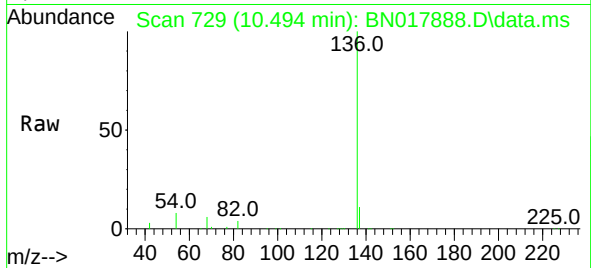
Tgt Ion: 99 Resp: 1565  
Ion Ratio Lower Upper  
99 100  
42 30.3 17.0 25.4#  
71 44.8 28.0 42.0#





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.494 min Scan# 729  
Delta R.T. 0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

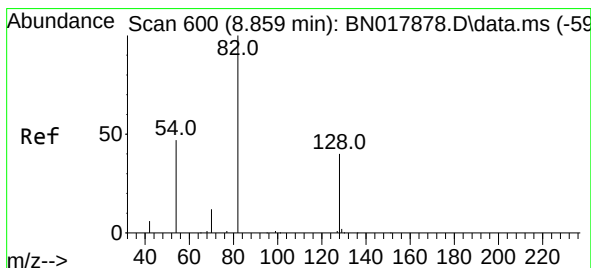
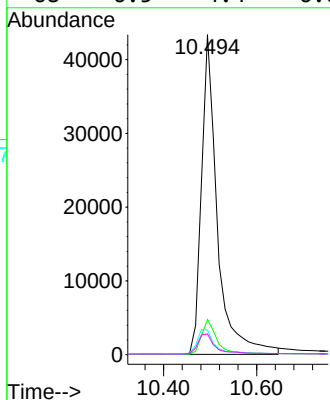
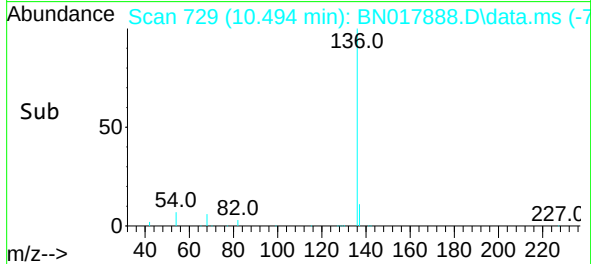
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20211130DL



Tgt Ion:136 Resp: 102750  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 7.7 5.1 7.7  
68 6.5 4.4 6.6

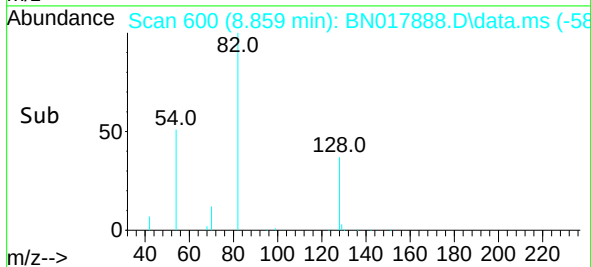
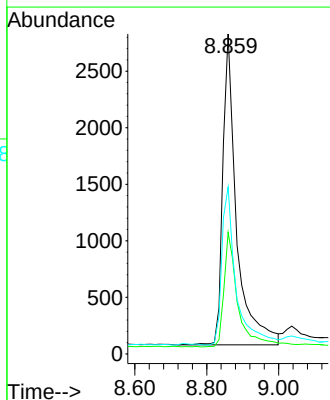
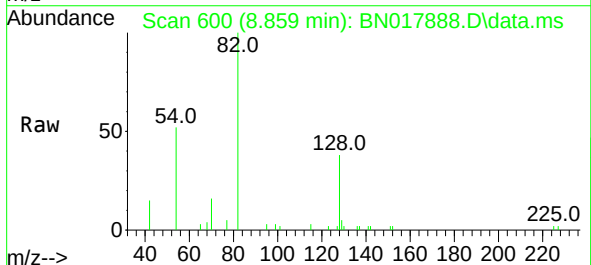
Manual Integrations  
APPROVED

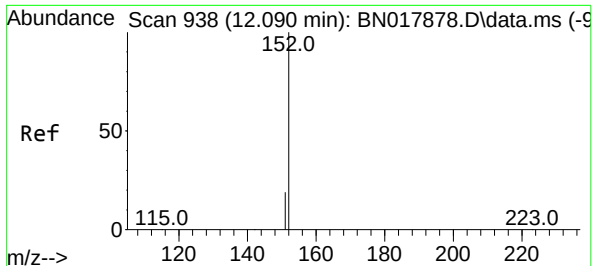
Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021



#8  
Nitrobenzene-d5  
Concen: 0.109 ng  
RT: 8.859 min Scan# 600  
Delta R.T. 0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

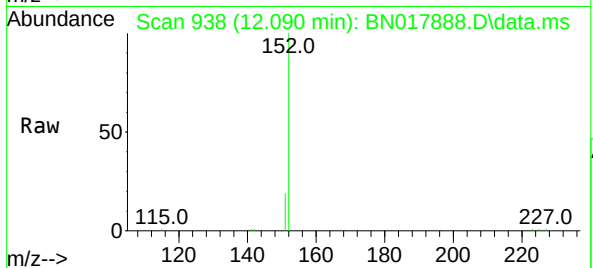
Tgt Ion: 82 Resp: 7341  
Ion Ratio Lower Upper  
82 100  
128 38.0 32.2 48.4  
54 52.2 37.6 56.4





#11  
2-Methylnaphthalene-d10  
Concen: 0.120 ng  
RT: 12.090 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

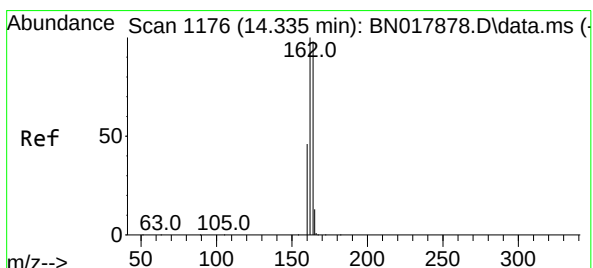
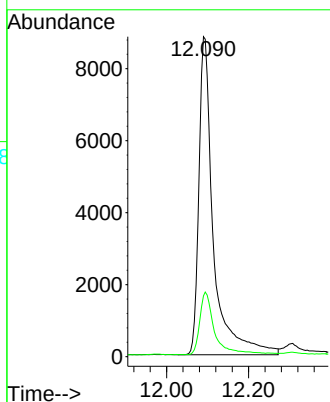
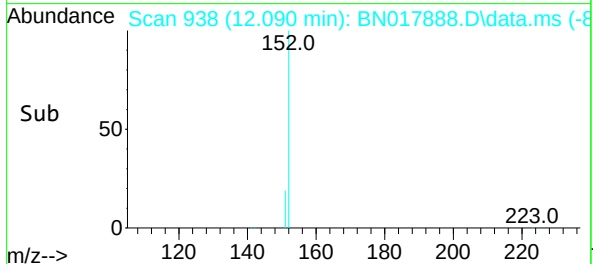
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20211130DL



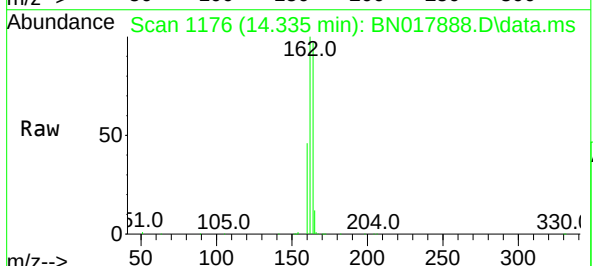
Tgt Ion:152 Resp: 21724  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.4 24.6

Manual Integrations  
APPROVED

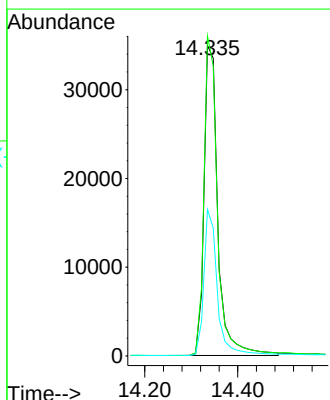
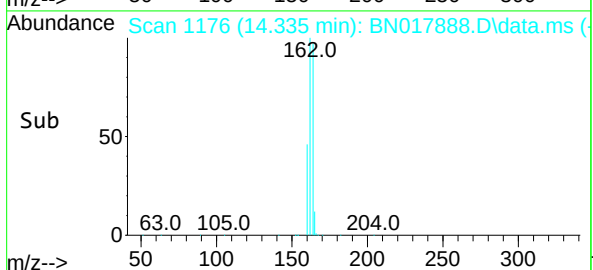
Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021

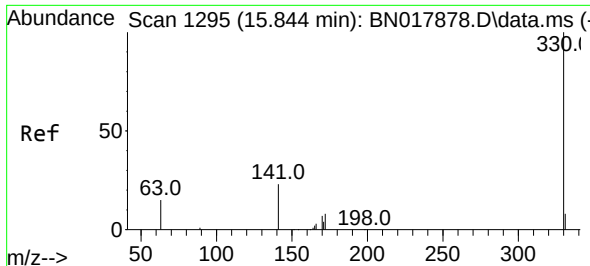


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.335 min Scan# 1176  
Delta R.T. 0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05



Tgt Ion:164 Resp: 72623  
Ion Ratio Lower Upper  
164 100  
162 103.1 82.1 123.1  
160 47.2 38.2 57.2





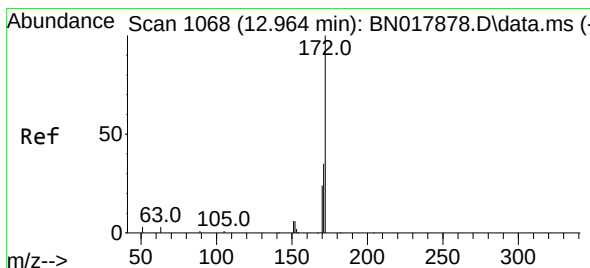
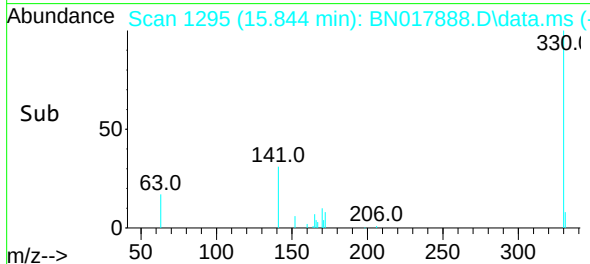
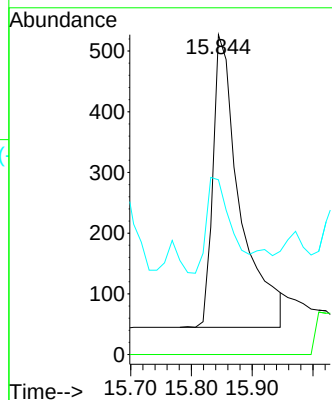
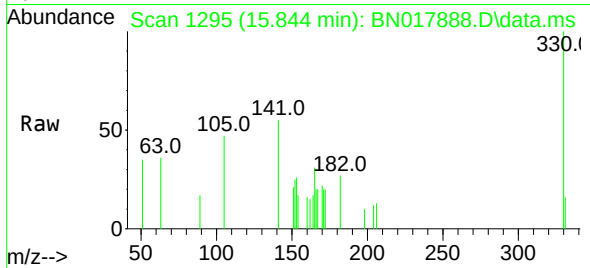
#14  
2,4,6-Tribromophenol  
Concen: 0.370 ng  
RT: 15.844 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20211130DL

Tgt Ion:330 Resp: 1488  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 29.8 19.7 29.5

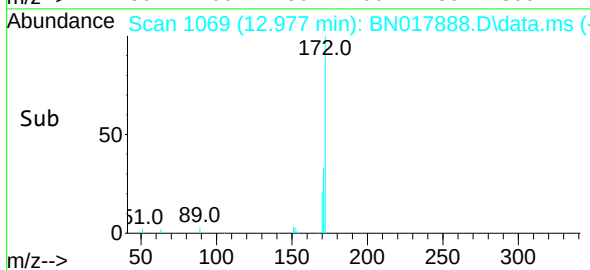
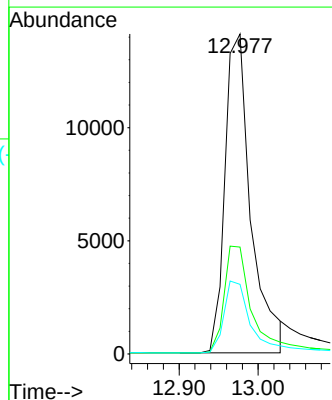
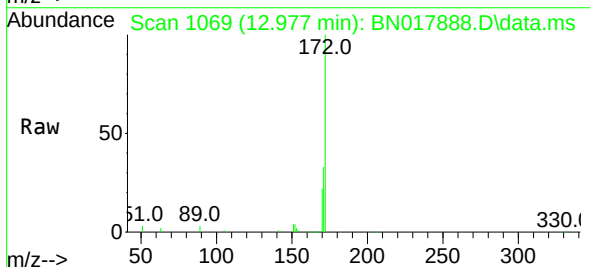
Manual Integrations  
APPROVED

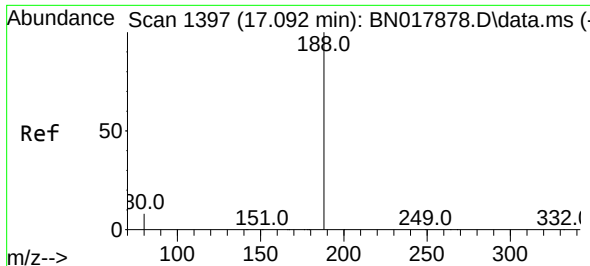
Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021



#15  
2-Fluorobiphenyl  
Concen: 0.126 ng  
RT: 12.977 min Scan# 1069  
Delta R.T. 0.013 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

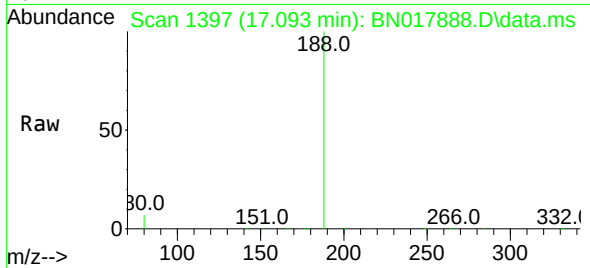
Tgt Ion:172 Resp: 32222  
Ion Ratio Lower Upper  
172 100  
171 33.4 28.3 42.5  
170 21.7 19.1 28.7





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.093 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

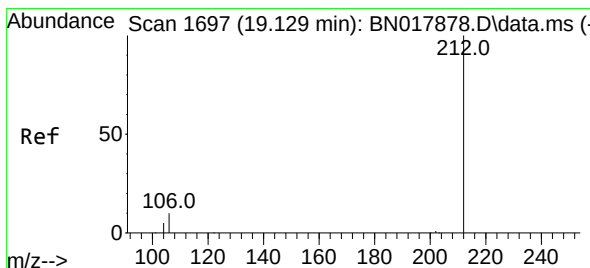
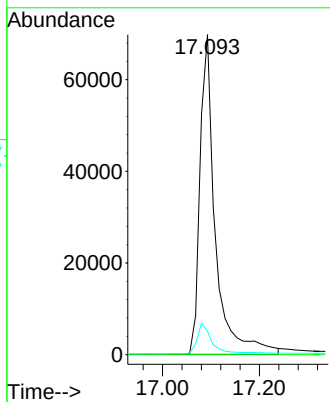
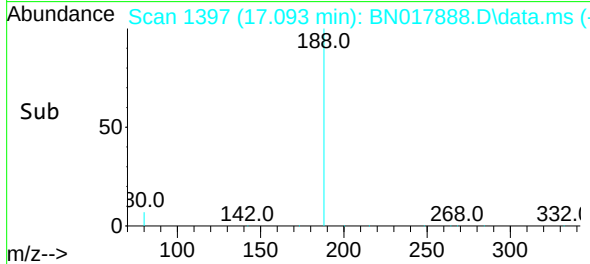
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20211130DL



Tgt Ion:188 Resp: 15289  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.3 6.2 9.2

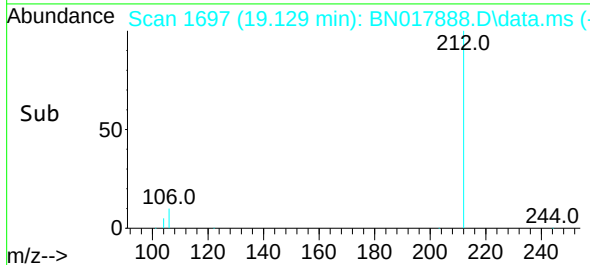
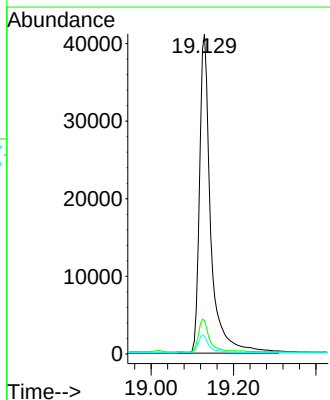
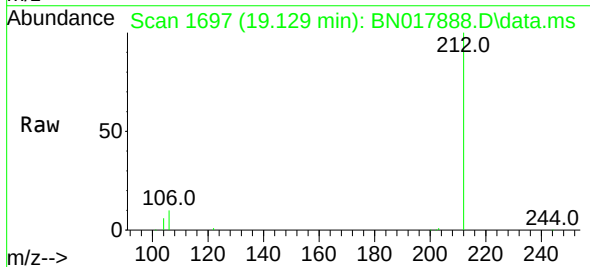
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021

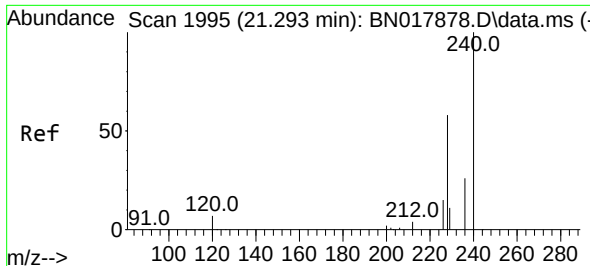


#27  
Fluoranthene-d10  
Concen: 0.157 ng  
RT: 19.129 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

Tgt Ion:212 Resp: 78023  
Ion Ratio Lower Upper  
212 100  
106 10.1 8.3 12.5  
104 5.7 4.6 6.8

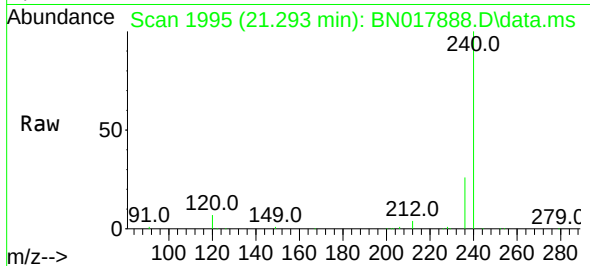






#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.293 min Scan# 1995  
Delta R.T. 0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

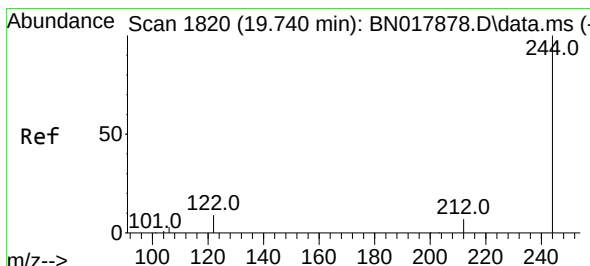
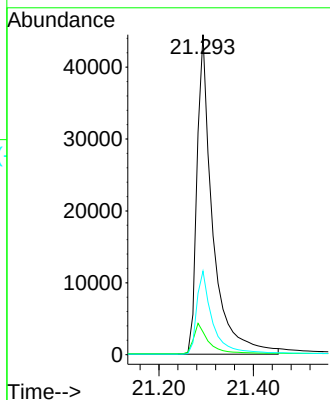
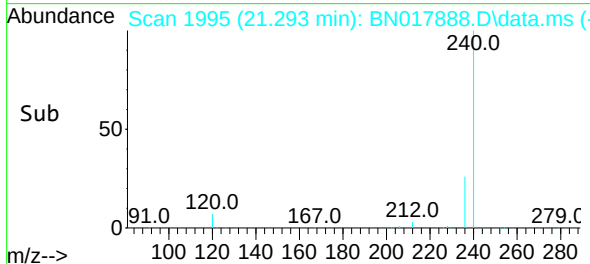
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20211130DL



Tgt Ion:240 Resp: 102544  
Ion Ratio Lower Upper  
240 100  
120 7.1 5.8 8.8  
236 26.1 21.0 31.6

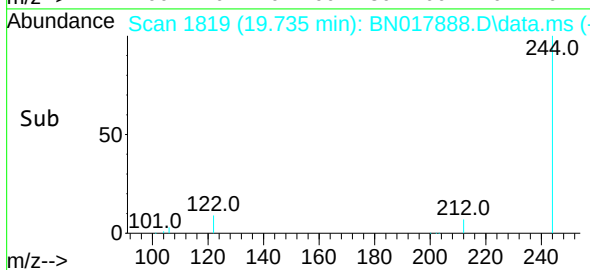
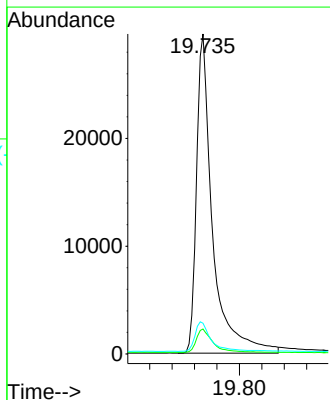
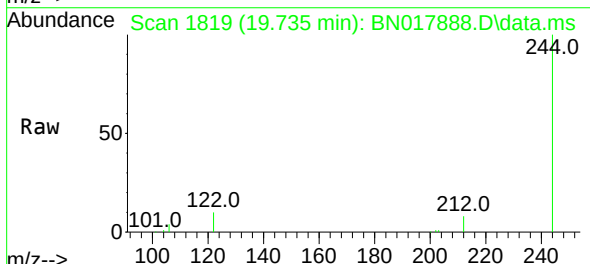
Manual Integrations  
APPROVED

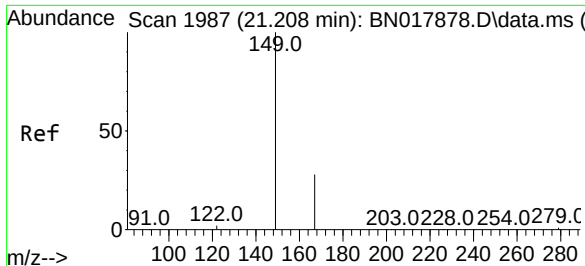
Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021



#31  
Terphenyl-d14  
Concen: 0.232 ng  
RT: 19.735 min Scan# 1819  
Delta R.T. -0.005 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

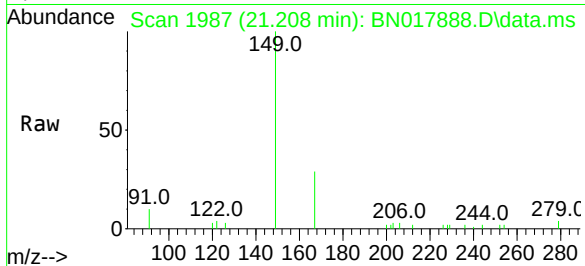
Tgt Ion:244 Resp: 58734  
Ion Ratio Lower Upper  
244 100  
212 7.8 6.2 9.2  
122 9.6 7.5 11.3





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.053 ng  
RT: 21.208 min Scan# 1987  
Delta R.T. 0.000 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

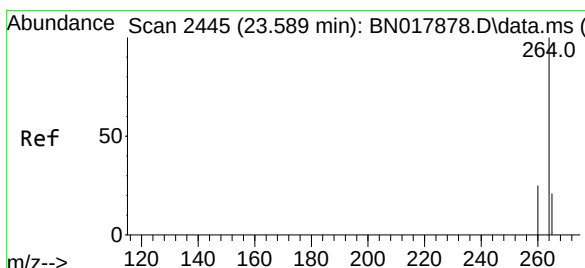
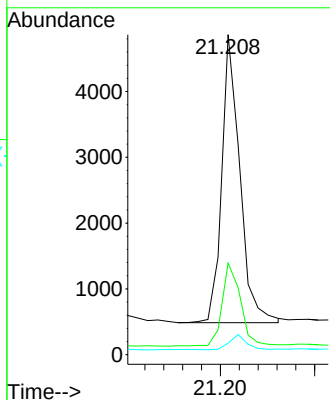
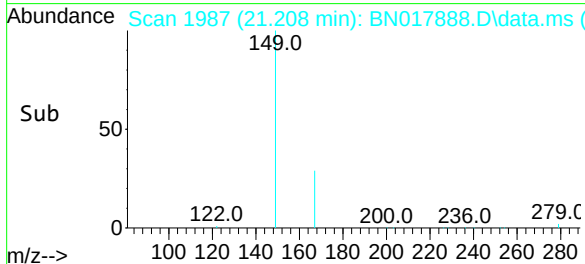
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20211130DL



Tgt Ion:149 Resp: 583  
Ion Ratio Lower Upper  
149 100  
167 29.8 23.4 35.0  
279 4.9 3.6 5.4

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 12/13/2021  
Supervised By :Jagrut Upadhyay 12/13/2021



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.593 min Scan# 2446  
Delta R.T. 0.004 min  
Lab File: BN017888.D  
Acq: 11 Dec 2021 02:05

Tgt Ion:264 Resp: 66920  
Ion Ratio Lower Upper  
264 100  
260 25.0 20.2 30.4  
265 22.6 18.2 27.4

