

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061924\  
 Data File : BN032069.D  
 Acq On : 19 Jun 2024 14:29  
 Operator : MA/JU  
 Sample : P2928-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-196-GW-540-542

Quant Time: Jun 19 15:13:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 19 11:30:34 2024  
 Response via : Initial Calibration

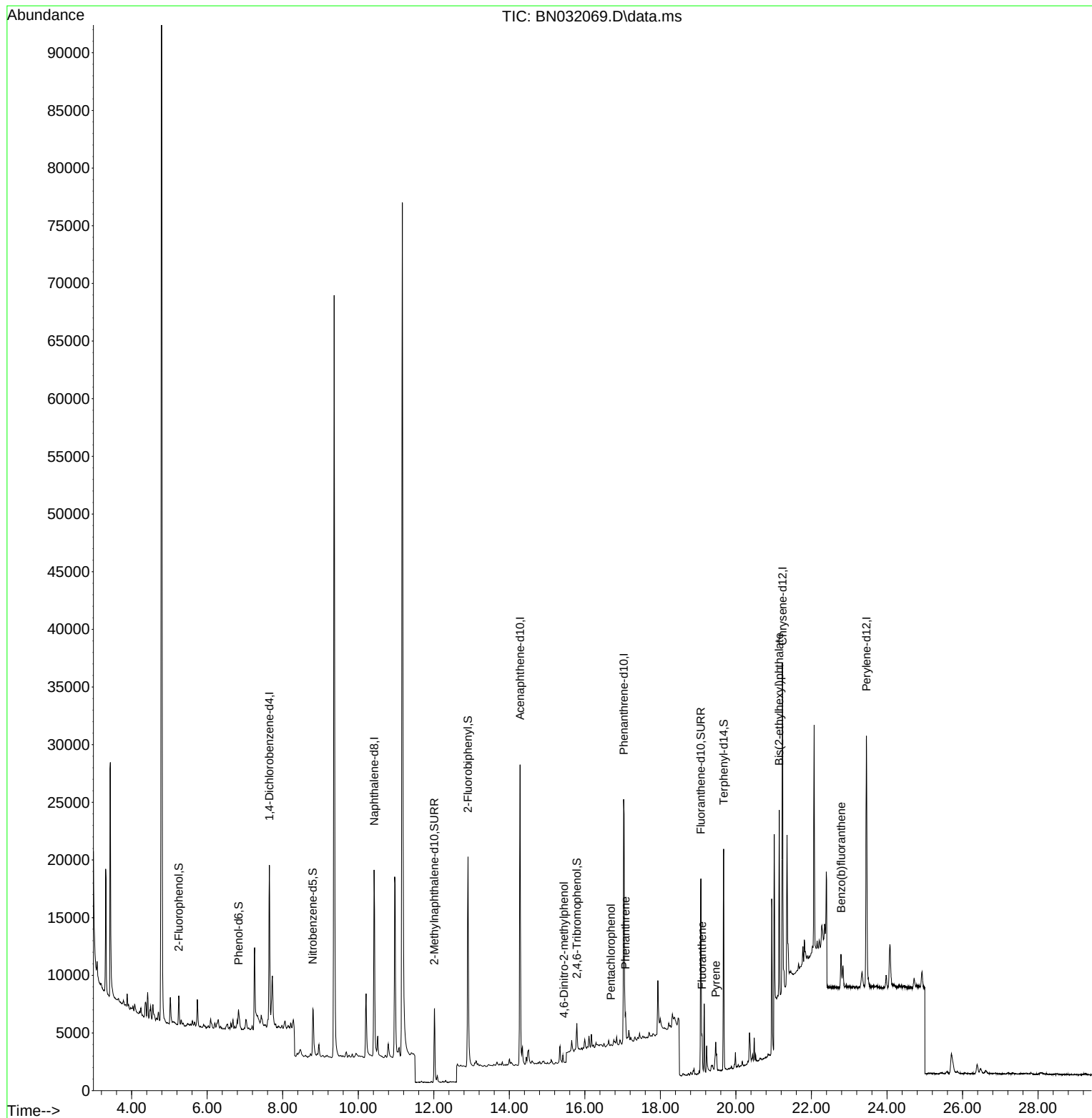
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.646  | 152  | 7152     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.421 | 136  | 24274    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.285 | 164  | 15743    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.029 | 188  | 34544    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.238 | 240  | 27996    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.458 | 264  | 28932    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.248  | 112  | 2349     | 0.116 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.830  | 99   | 2202     | 0.083 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.798  | 82   | 4491     | 0.223 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.017 | 152  | 9636     | 0.249 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.787 | 330  | 1509     | 0.200 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.906 | 172  | 19058    | 0.319 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.072 | 212  | 19402    | 0.206 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.676 | 244  | 19244    | 0.281 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 20) 4,6-Dinitro-2-methylph... | 15.450 | 198  | 2        | 0.175 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.693 | 266  | 92       | 0.178 | ng    | 90       |
| 25) Phenanthrene              | 17.078 | 178  | 2546     | 0.027 | ng    | 96       |
| 28) Fluoranthene              | 19.100 | 202  | 2352     | 0.020 | ng    | # 80     |
| 30) Pyrene                    | 19.467 | 202  | 2275     | 0.020 | ng    | # 94     |
| 34) Bis(2-ethylhexyl)phtha... | 21.148 | 149  | 13935    | 0.194 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 22.788 | 252  | 2574     | 0.024 | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

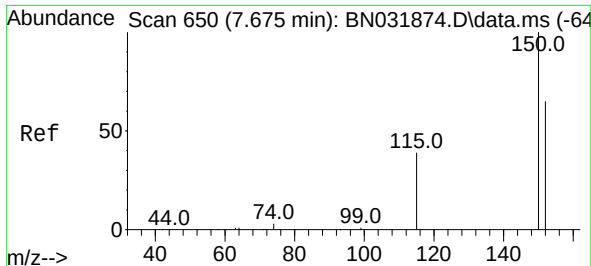
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061924\  
Data File : BN032069.D  
Acq On : 19 Jun 2024 14:29  
Operator : MA/JU  
Sample : P2928-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-540-542

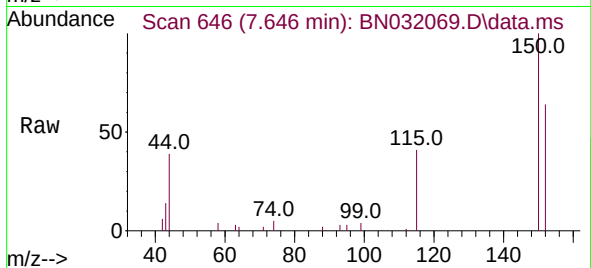
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 19 11:30:34 2024  
Response via : Initial Calibration



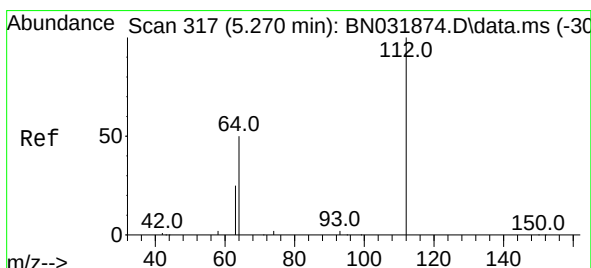
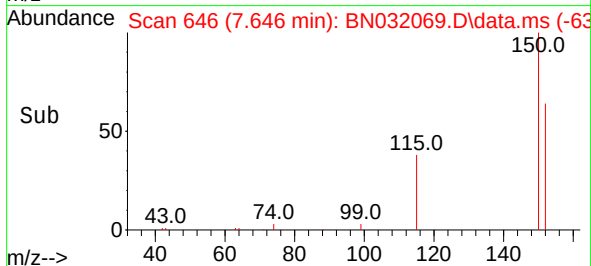
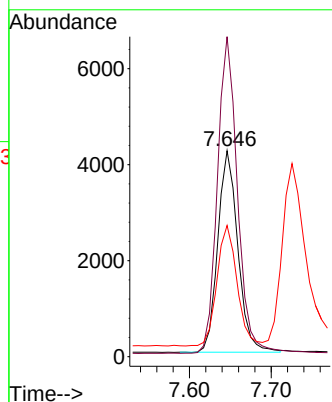


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.646 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-540-542

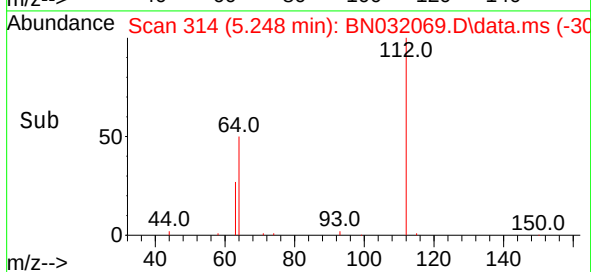
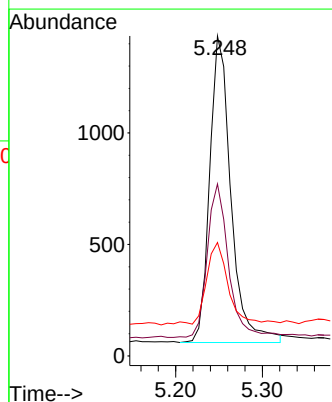
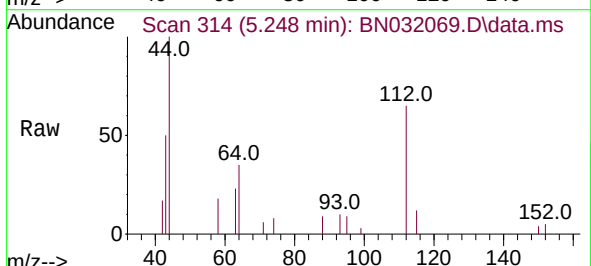


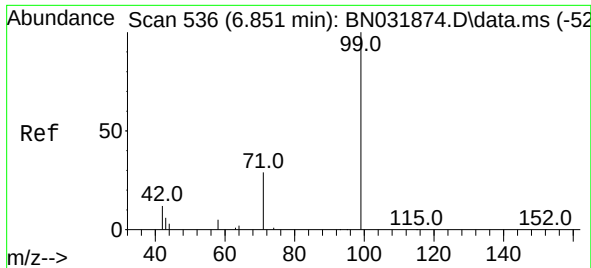
Tgt Ion:152 Resp: 7152  
Ion Ratio Lower Upper  
152 100  
150 155.4 121.0 181.4  
115 63.7 49.4 74.0



#4  
2-Fluorophenol  
Concen: 0.116 ng  
RT: 5.248 min Scan# 314  
Delta R.T. -0.000 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

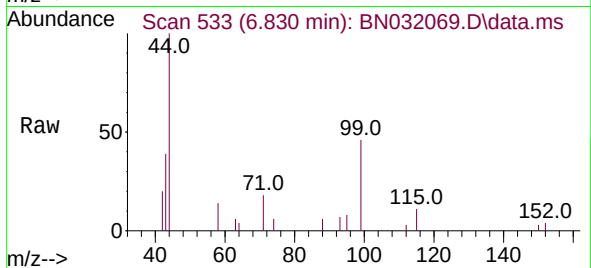
Tgt Ion:112 Resp: 2349  
Ion Ratio Lower Upper  
112 100  
64 50.1 42.4 63.6  
63 28.6 22.1 33.1



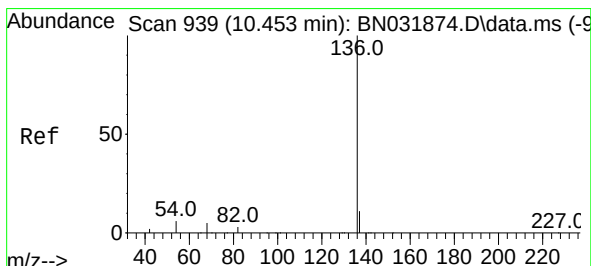
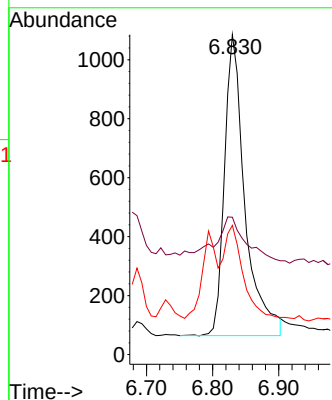
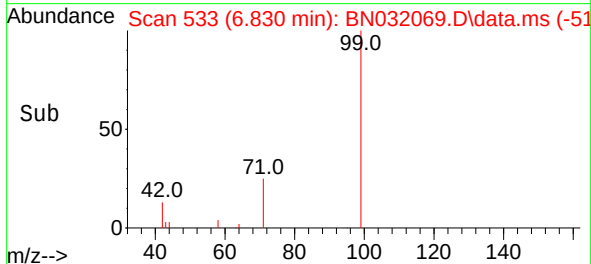


#5  
Phenol-d6  
Concen: 0.083 ng  
RT: 6.830 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

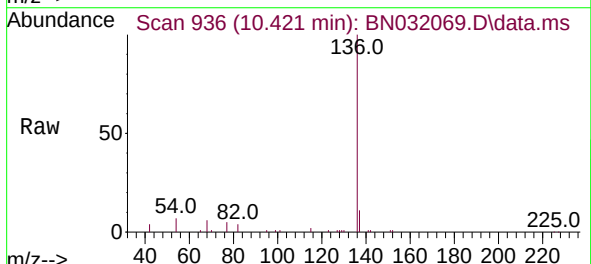
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-540-542



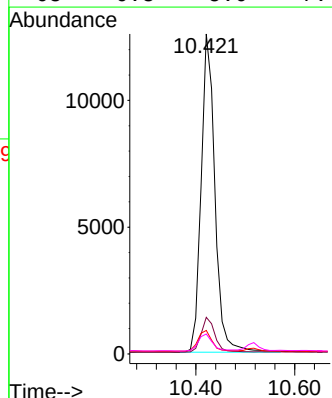
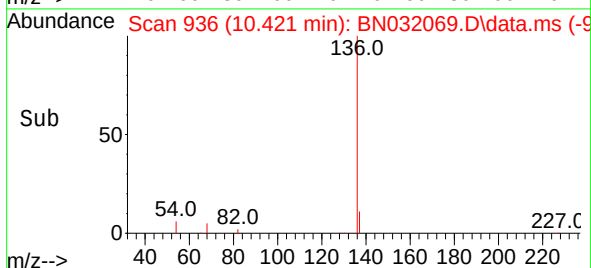
Tgt Ion: 99 Resp: 2202  
Ion Ratio Lower Upper  
99 100  
42 22.3 12.8 19.2#  
71 28.5 25.4 38.2

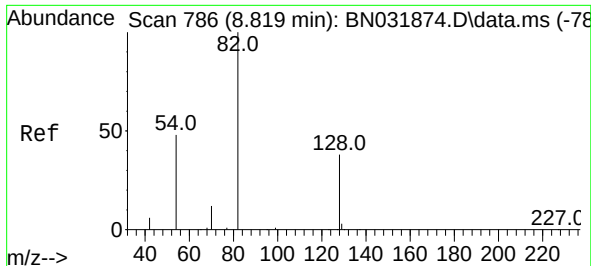


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.421 min Scan# 936  
Delta R.T. -0.000 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29



Tgt Ion: 136 Resp: 24274  
Ion Ratio Lower Upper  
136 100  
137 11.5 8.9 13.3  
54 7.3 5.6 8.4  
68 6.3 5.0 7.4

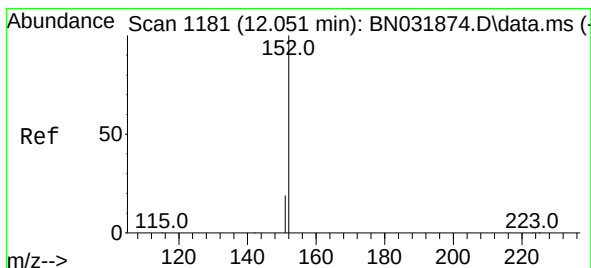
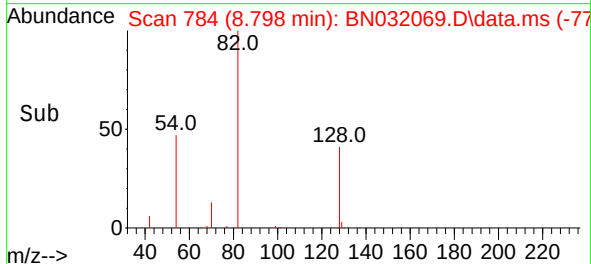
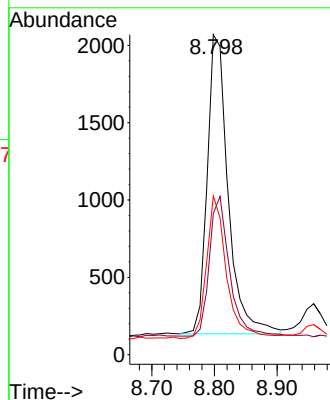
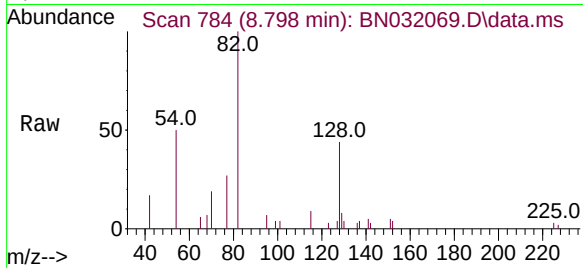




#8  
Nitrobenzene-d5  
Concen: 0.223 ng  
RT: 8.798 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

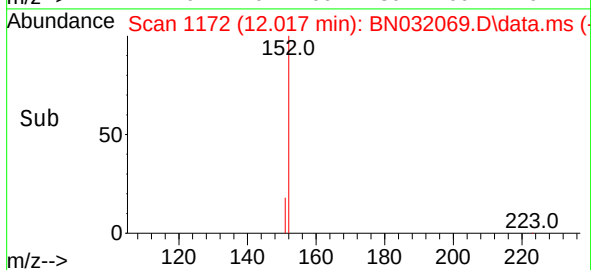
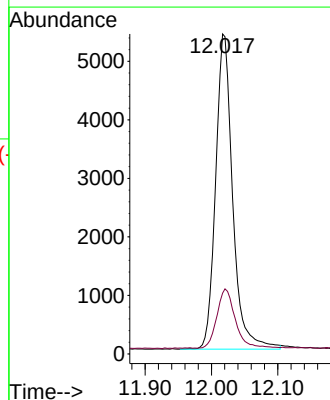
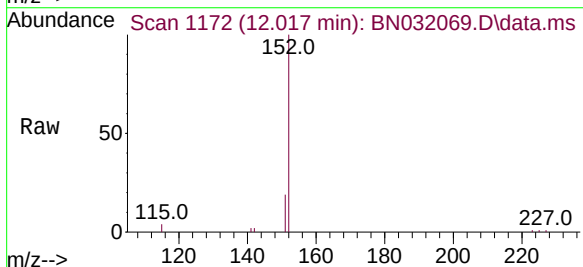
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-540-542

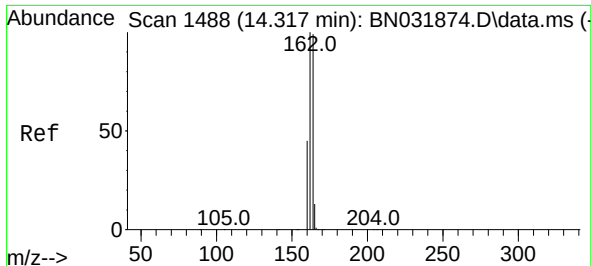
Tgt Ion: 82 Resp: 4491  
Ion Ratio Lower Upper  
82 100  
128 44.2 32.1 48.1  
54 49.6 39.7 59.5



#11  
2-Methylnaphthalene-d10  
Concen: 0.249 ng  
RT: 12.017 min Scan# 1172  
Delta R.T. -0.004 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

Tgt Ion: 152 Resp: 9636  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.3 24.5

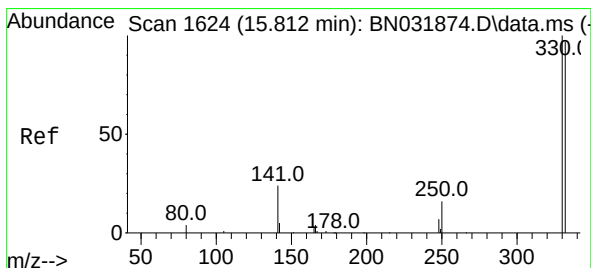
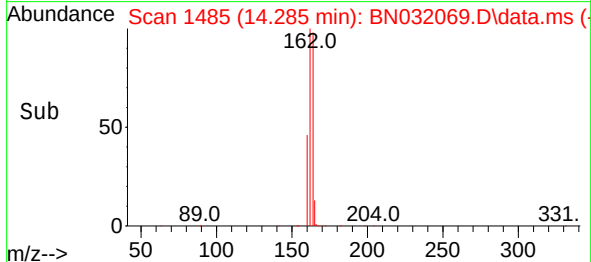
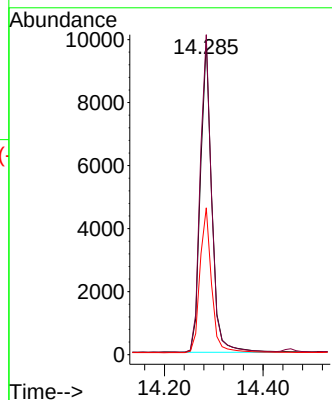
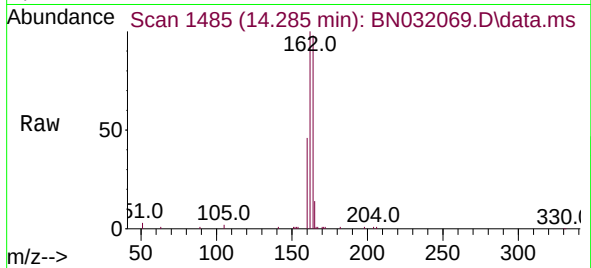




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.285 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

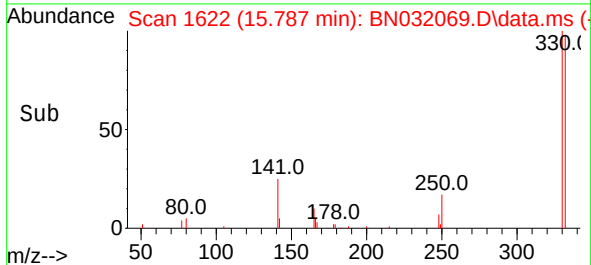
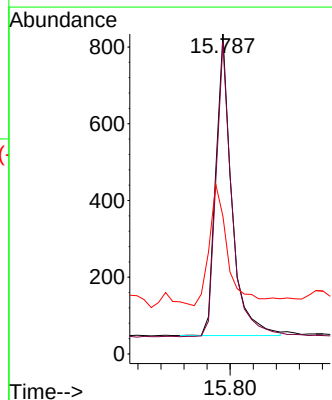
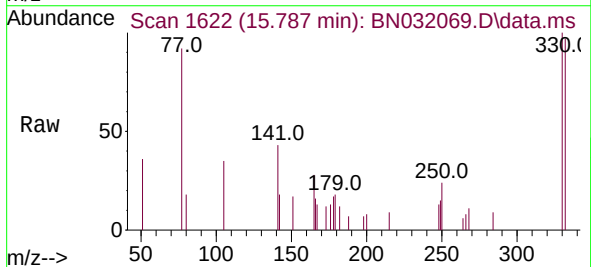
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-540-542

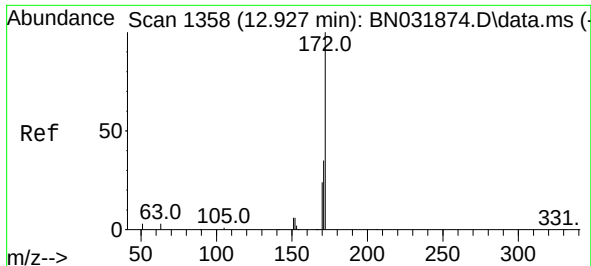
Tgt Ion:164 Resp: 15743  
Ion Ratio Lower Upper  
164 100  
162 101.9 80.7 121.1  
160 46.8 36.2 54.4



#14  
2,4,6-Tribromophenol  
Concen: 0.200 ng  
RT: 15.787 min Scan# 1622  
Delta R.T. -0.000 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

Tgt Ion:330 Resp: 1509  
Ion Ratio Lower Upper  
330 100  
332 97.8 77.5 116.3  
141 46.7 34.7 52.1





#15

2-Fluorobiphenyl

Concen: 0.319 ng

RT: 12.906 min Scan# 1356

Delta R.T. -0.000 min

Lab File: BN032069.D

Acq: 19 Jun 2024 14:29

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-540-542

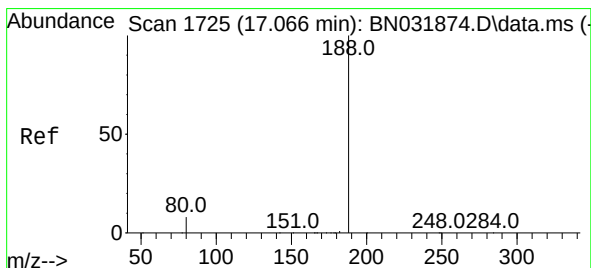
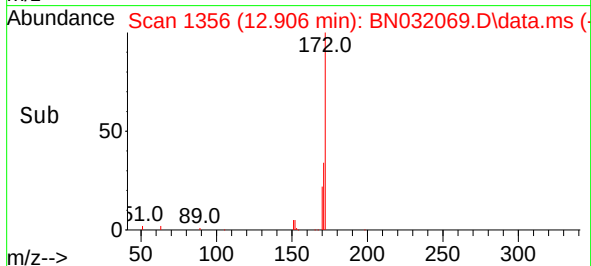
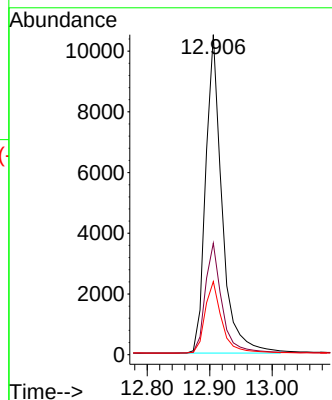
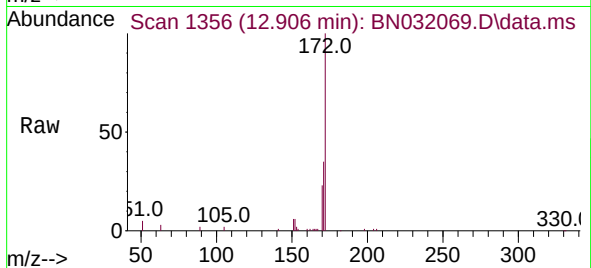
Tgt Ion:172 Resp: 19058

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

170 22.9 19.2 28.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.029 min Scan# 1722

Delta R.T. -0.000 min

Lab File: BN032069.D

Acq: 19 Jun 2024 14:29

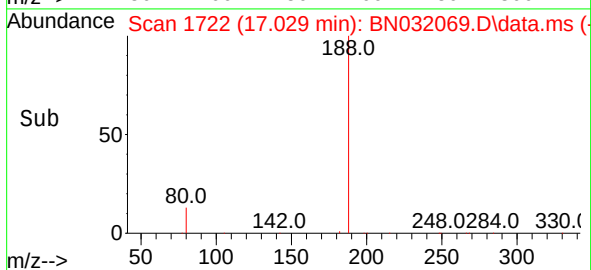
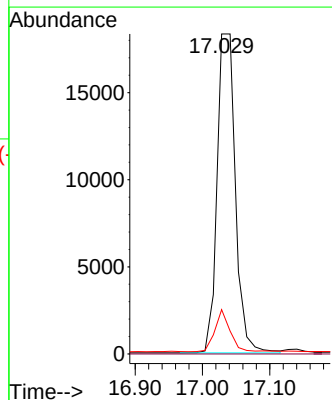
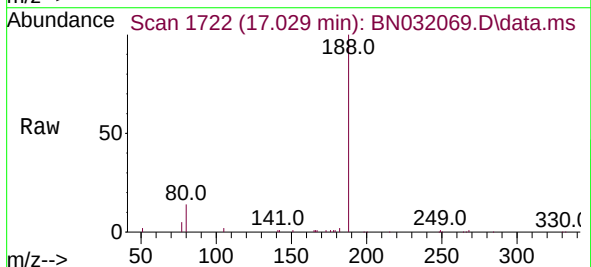
Tgt Ion:188 Resp: 34544

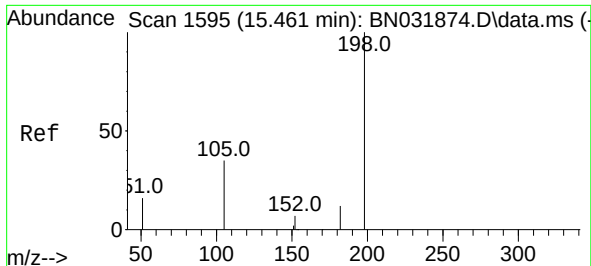
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.8 6.4 9.6#





#20

4,6-Dinitro-2-methylphenol

Concen: 0.175 ng

RT: 15.450 min Scan# 1594

Delta R.T. 0.011 min

Lab File: BN032069.D

Acq: 19 Jun 2024 14:29

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-540-542

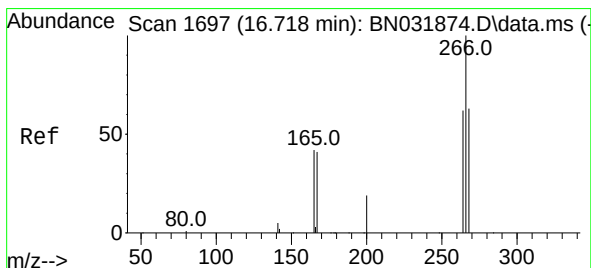
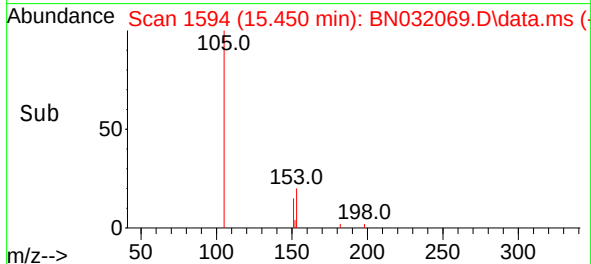
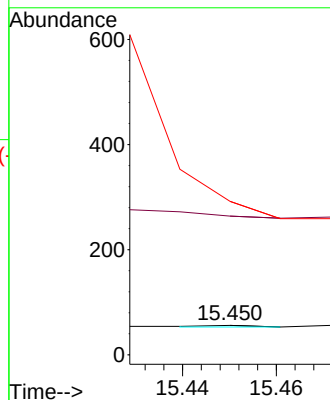
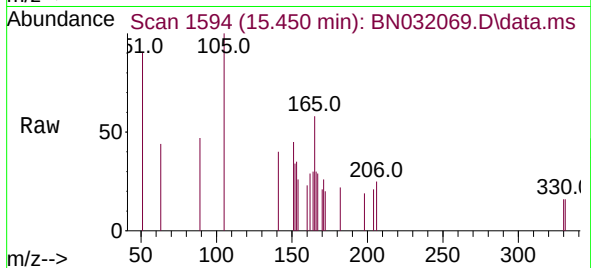
Tgt Ion:198 Resp: 2

Ion Ratio Lower Upper

198 100

51 471.4 42.7 64.1#

105 521.4 41.8 62.8#



#24

Pentachlorophenol

Concen: 0.178 ng

RT: 16.693 min Scan# 1695

Delta R.T. -0.000 min

Lab File: BN032069.D

Acq: 19 Jun 2024 14:29

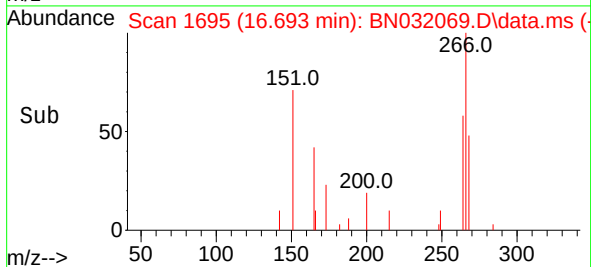
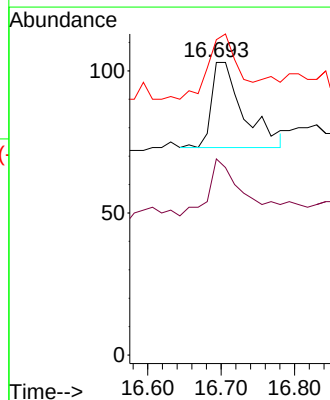
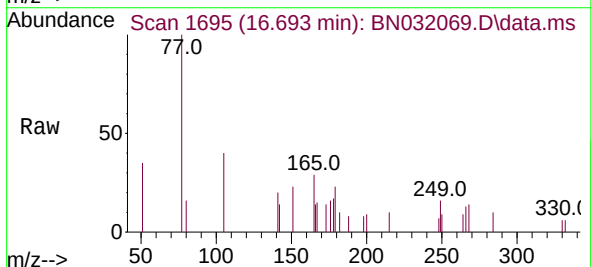
Tgt Ion:266 Resp: 92

Ion Ratio Lower Upper

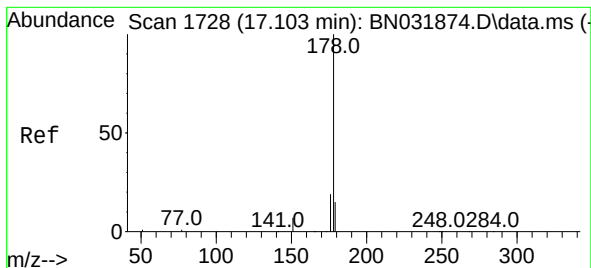
266 100

264 69.6 50.0 75.0

268 71.7 51.0 76.6







#25

Phenanthrene

Concen: 0.027 ng

RT: 17.078 min Scan# 1728

Delta R.T. -0.000 min

Lab File: BN032069.D

Acq: 19 Jun 2024 14:29

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-540-542

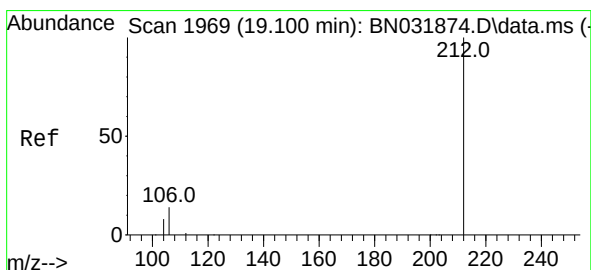
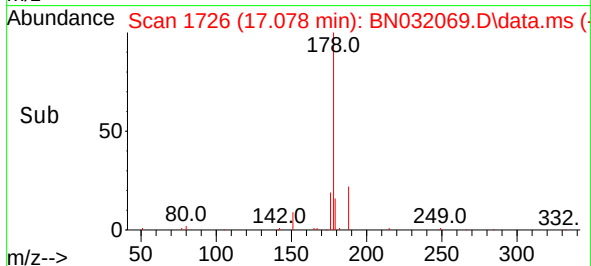
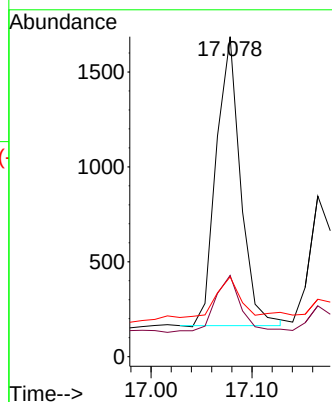
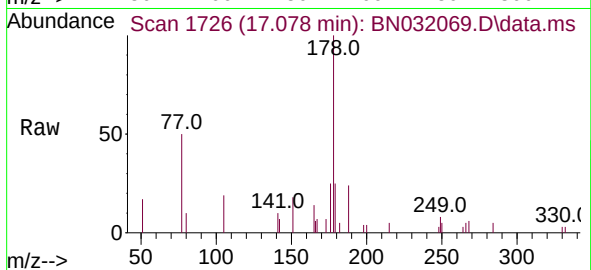
Tgt Ion:178 Resp: 2546

Ion Ratio Lower Upper

178 100

176 20.9 15.4 23.0

179 16.8 12.2 18.2



#27

Fluoranthene-d10

Concen: 0.206 ng

RT: 19.072 min Scan# 1963

Delta R.T. -0.000 min

Lab File: BN032069.D

Acq: 19 Jun 2024 14:29

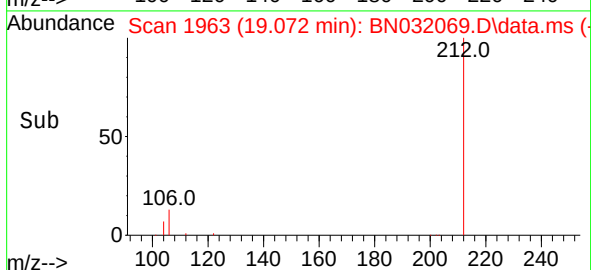
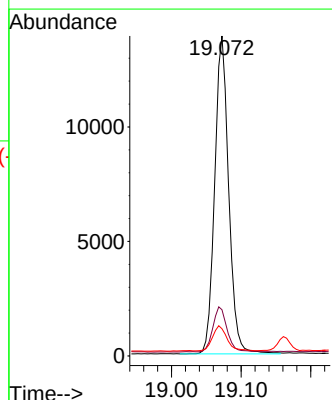
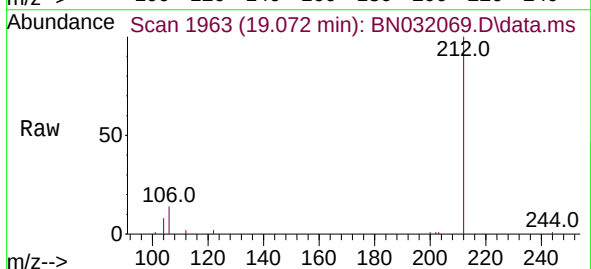
Tgt Ion:212 Resp: 19402

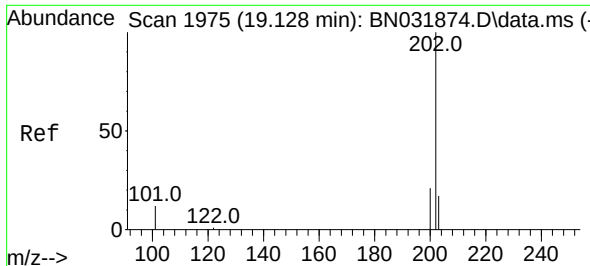
Ion Ratio Lower Upper

212 100

106 14.8 11.8 17.8

104 8.2 6.6 10.0

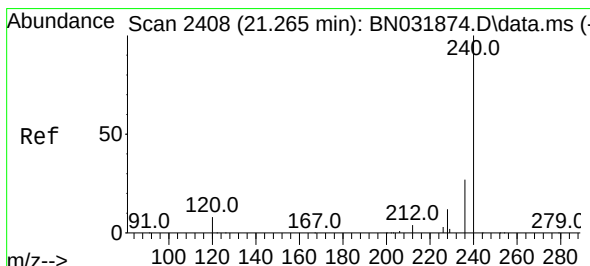
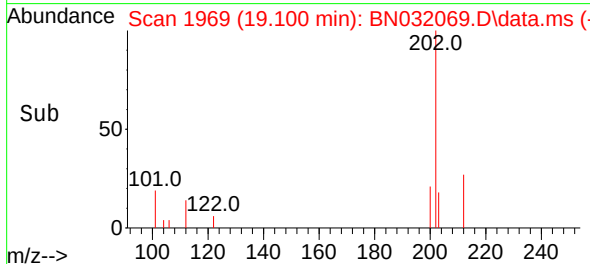
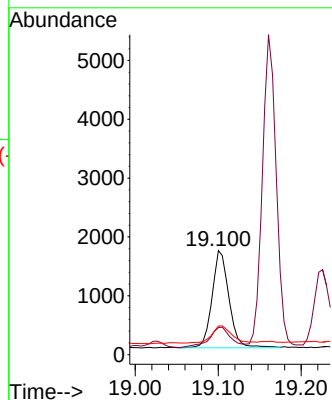
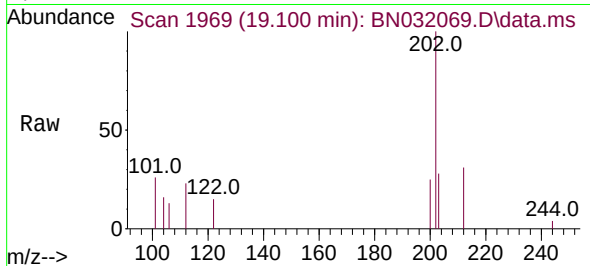




#28  
Fluoranthene  
Concen: 0.020 ng  
RT: 19.100 min Scan# 1975  
Delta R.T. -0.000 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

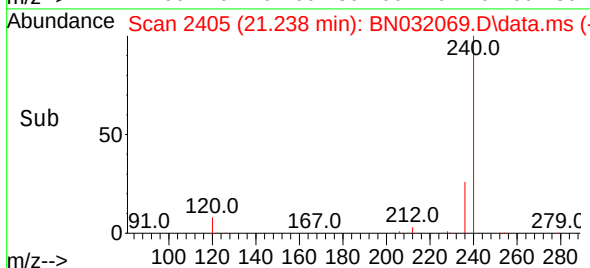
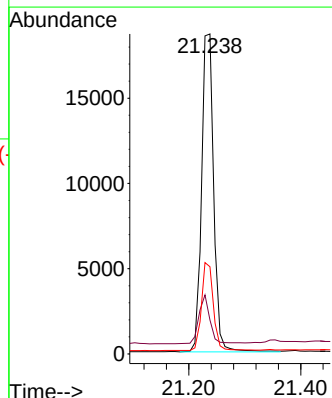
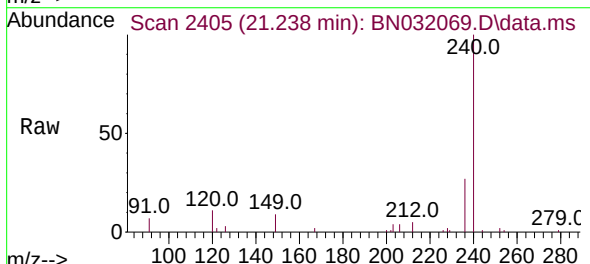
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-540-542

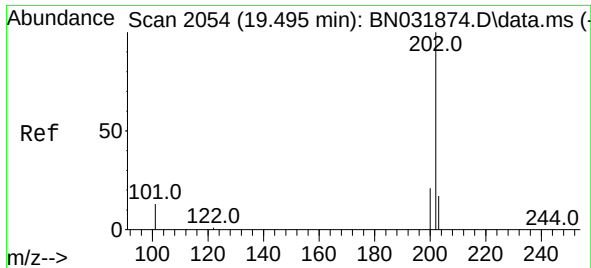
Tgt Ion:202 Resp: 2352  
Ion Ratio Lower Upper  
202 100  
101 26.7 9.8 14.6#  
203 20.7 13.7 20.5#



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.238 min Scan# 2405  
Delta R.T. 0.009 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

Tgt Ion:240 Resp: 27996  
Ion Ratio Lower Upper  
240 100  
120 10.6 8.2 12.4  
236 27.3 21.8 32.8

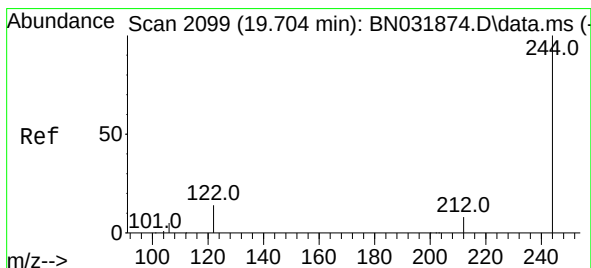
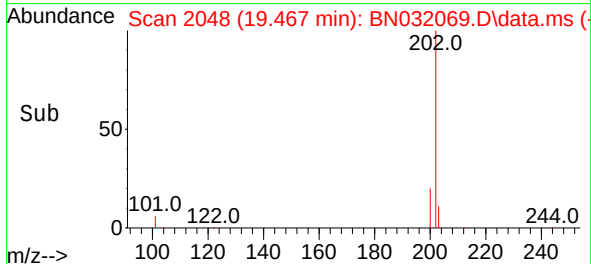
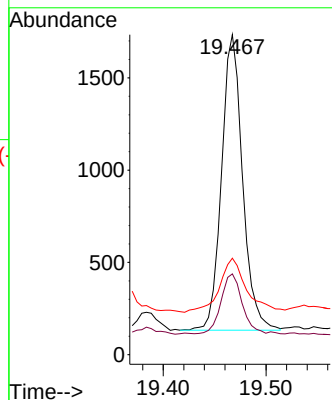
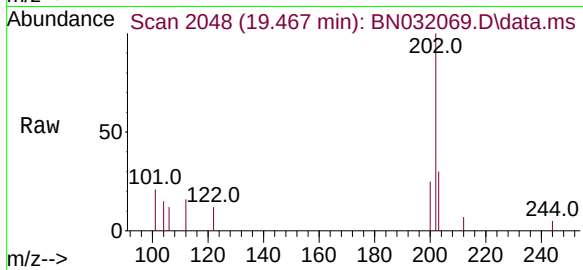




#30  
Pyrene  
Concen: 0.020 ng  
RT: 19.467 min Scan# 2048  
Delta R.T. -0.000 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

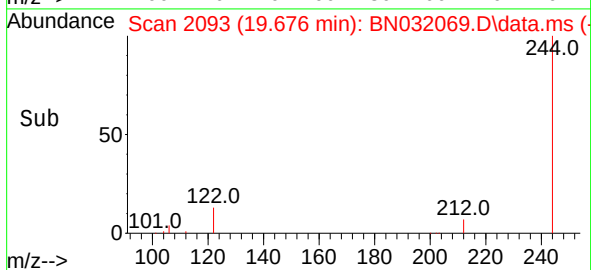
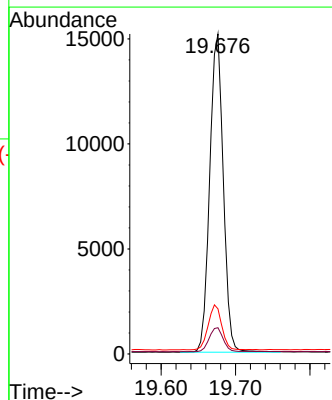
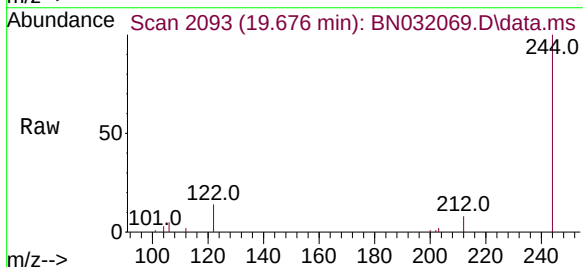
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-540-542

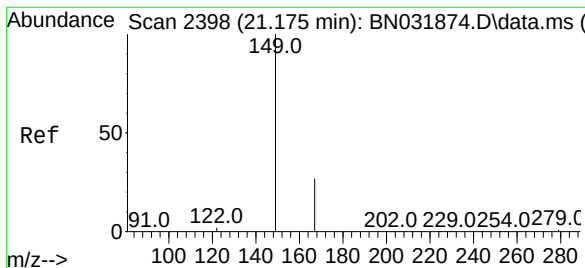
Tgt Ion:202 Resp: 2275  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.7 25.1  
203 23.3 14.3 21.5#



#31  
Terphenyl-d14  
Concen: 0.281 ng  
RT: 19.676 min Scan# 2093  
Delta R.T. 0.005 min  
Lab File: BN032069.D  
Acq: 19 Jun 2024 14:29

Tgt Ion:244 Resp: 19244  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.5 9.7  
122 14.1 11.4 17.0





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.194 ng

RT: 21.148 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN032069.D

Acq: 19 Jun 2024 14:29

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-540-542

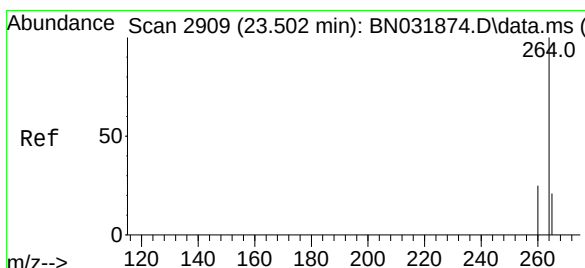
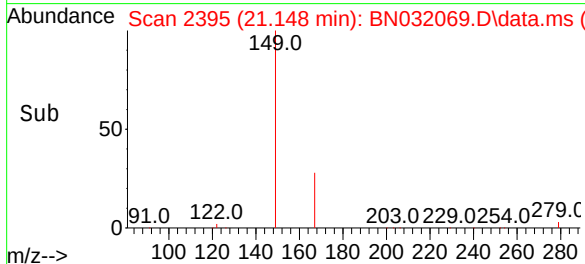
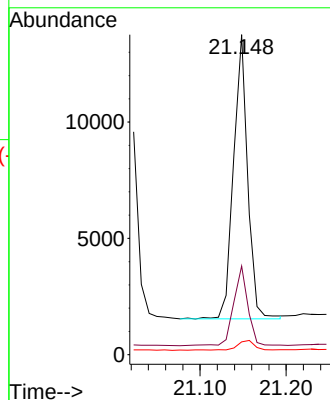
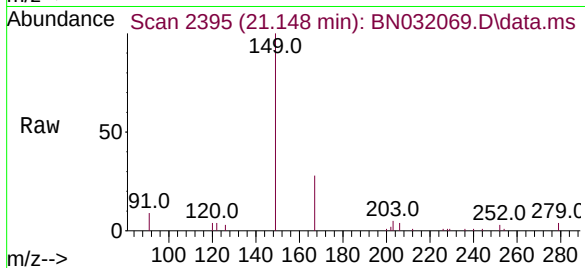
Tgt Ion:149 Resp: 13935

Ion Ratio Lower Upper

149 100

167 28.1 22.5 33.7

279 4.1 2.9 4.3



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.458 min Scan# 2894

Delta R.T. 0.006 min

Lab File: BN032069.D

Acq: 19 Jun 2024 14:29

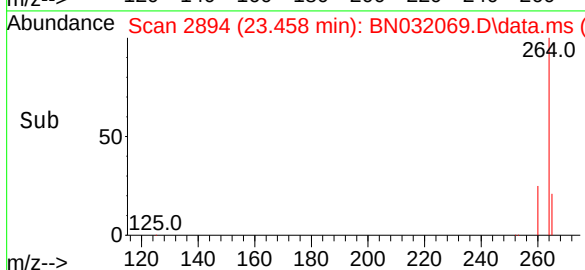
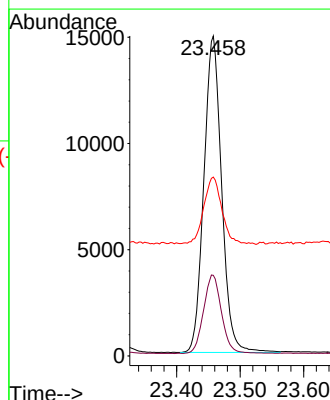
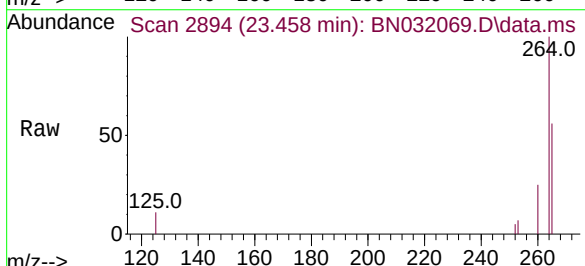
Tgt Ion:264 Resp: 28932

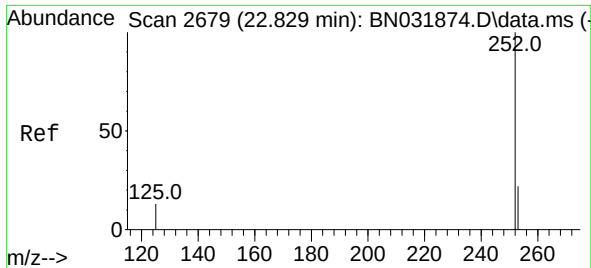
Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

265 55.9 39.6 59.4





#37

Benzo(b)fluoranthene

Concen: 0.024 ng

RT: 22.788 min Scan# 2

Delta R.T. 0.003 min

Lab File: BN032069.D

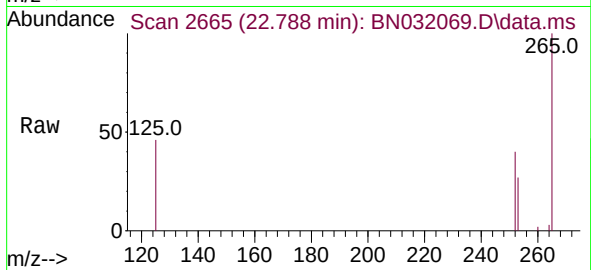
Acq: 19 Jun 2024 14:29

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-540-542



Tgt Ion:252 Resp: 2574

Ion Ratio Lower Upper

252 100

253 66.5 20.2 30.2#

125 114.6 14.2 21.4#

