

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF093024\  
 Data File : BF139576.D  
 Acq On : 30 Sep 2024 14:03  
 Operator : RC/JU  
 Sample : P4192-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-222

Quant Time: Sep 30 14:25:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 14 02:58:23 2024  
 Response via : Initial Calibration

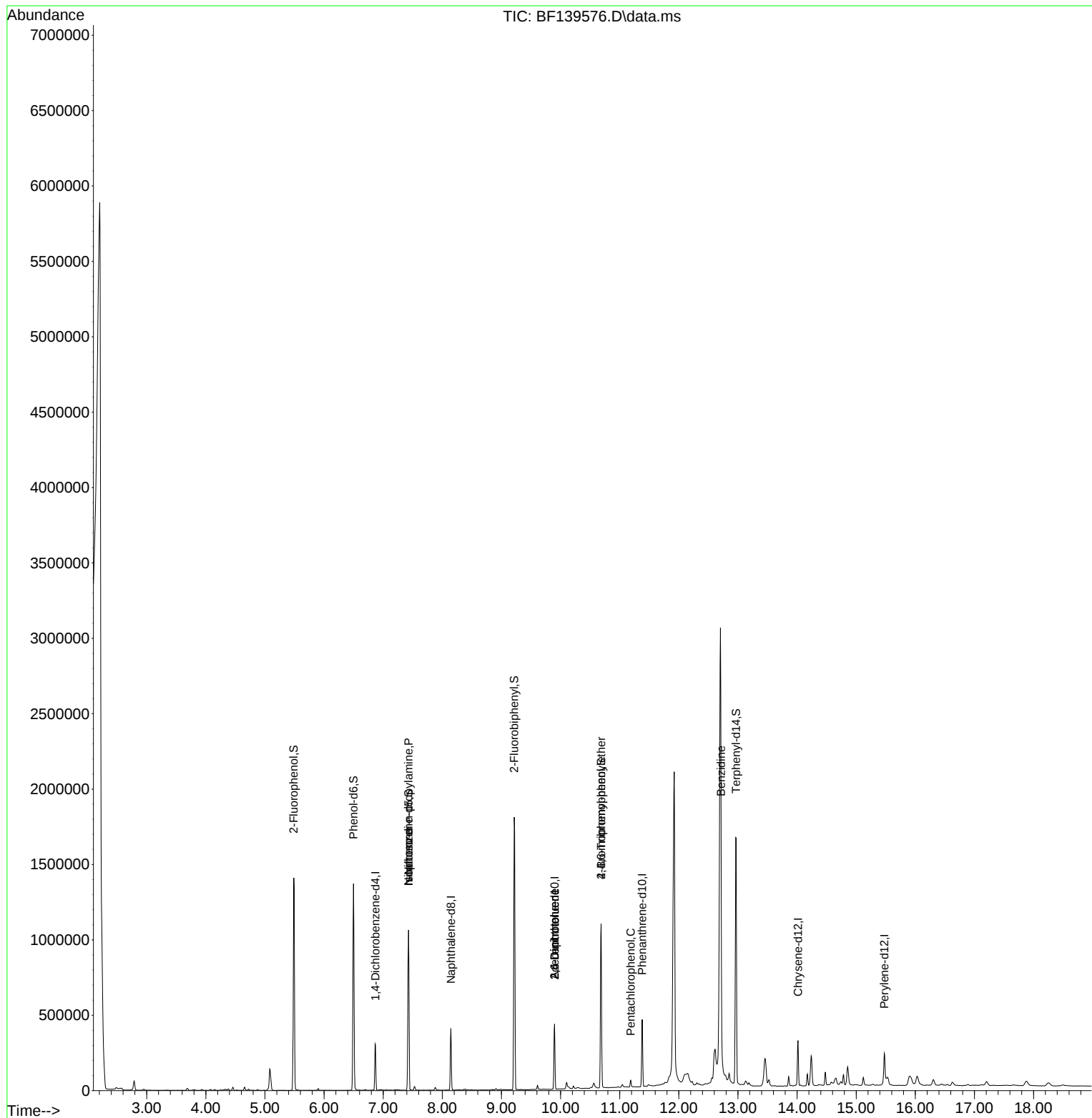
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 62731    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.145  | 136  | 231002   | 20.000  | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 9.898  | 164  | 125058   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.380 | 188  | 224316   | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 14.015 | 240  | 137273   | 20.000  | ng    | #-0.02   |
| 86) Perylene-d12              | 15.474 | 264  | 116260   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 481375   | 125.184 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 585132   | 115.930 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 445020   | 90.566  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.686 | 330  | 161872   | 121.581 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 775209   | 86.939  | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.968 | 244  | 809643   | 96.810  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 59778    | 19.986  | ng    | # 75     |
| 25) Isophorone                | 7.428  | 82   | 445014   | 57.265  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 15750    | 8.662   | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 15750    | 6.416   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.686 | 248  | 11296    | 5.082   | ng    | # 1      |
| 70) Pentachlorophenol         | 11.186 | 266  | 6691     | 4.274   | ng    | 98       |
| 77) Benzidine                 | 12.716 | 184  | 85202    | 43.322  | ng    | # 37     |
| -----                         |        |      |          |         |       |          |

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
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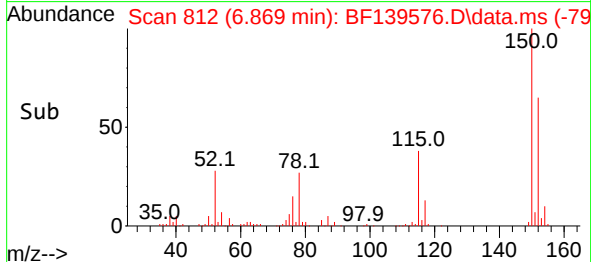
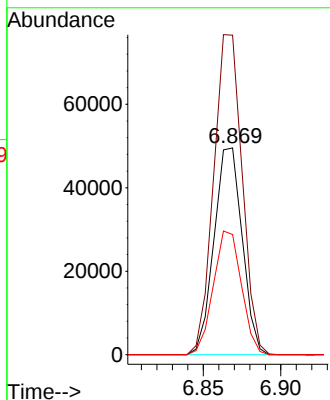
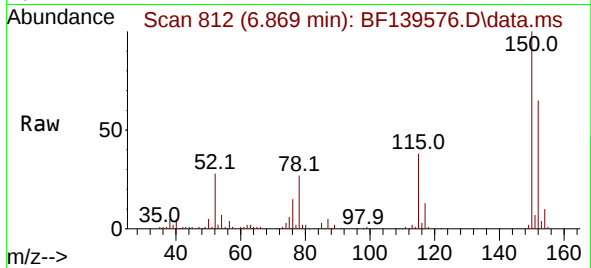




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 814  
Delta R.T. -0.012 min  
Lab File: BF139576.D  
Acq: 30 Sep 2024 14:03

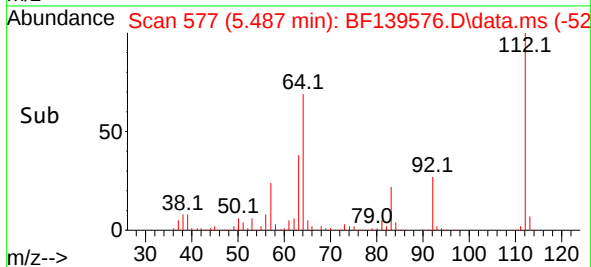
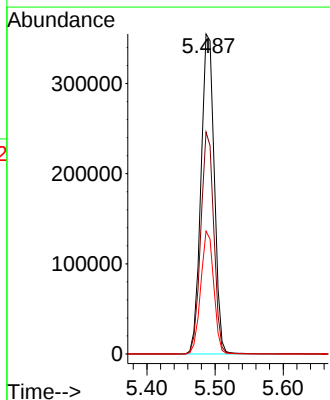
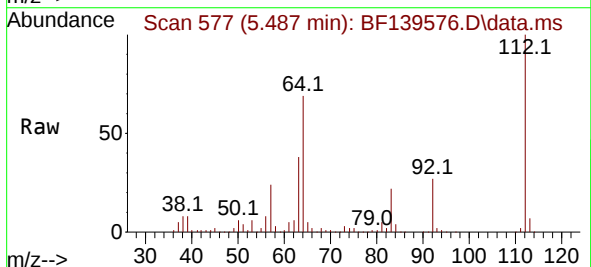
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-222

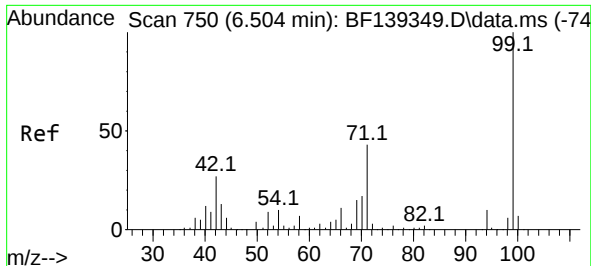
Tgt Ion:152 Resp: 62731  
Ion Ratio Lower Upper  
152 100  
150 154.6 124.1 186.1  
115 58.1 48.1 72.1



#5  
2-Fluorophenol  
Concen: 125.184 ng  
RT: 5.487 min Scan# 577  
Delta R.T. -0.006 min  
Lab File: BF139576.D  
Acq: 30 Sep 2024 14:03

Tgt Ion:112 Resp: 481375  
Ion Ratio Lower Upper  
112 100  
64 69.4 54.8 82.2  
63 38.4 33.0 49.4

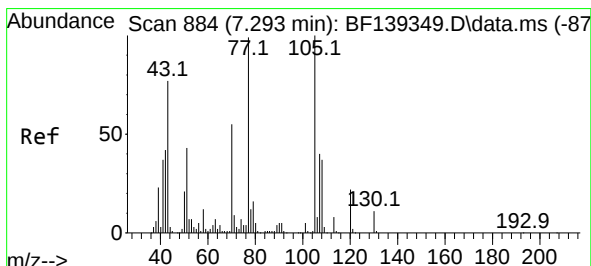
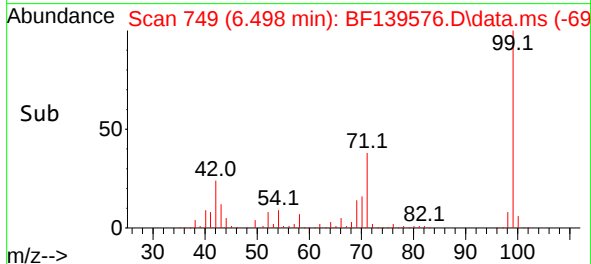
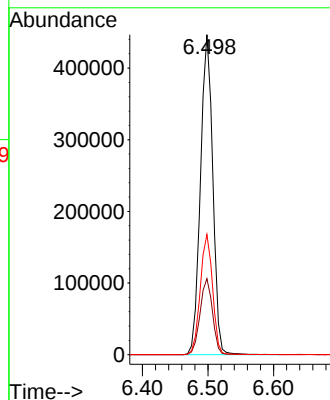
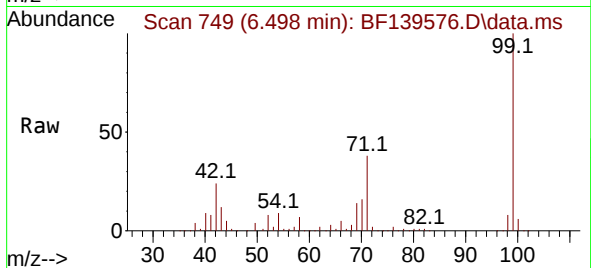




#7  
Phenol-d6  
Concen: 115.930 ng  
RT: 6.498 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF139576.D  
Acq: 30 Sep 2024 14:03

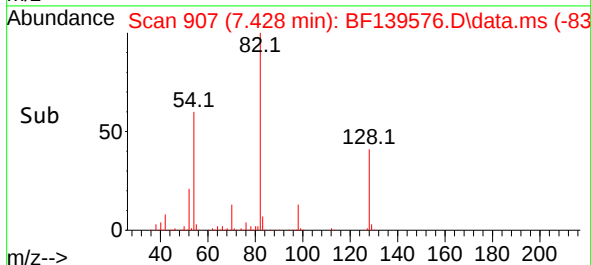
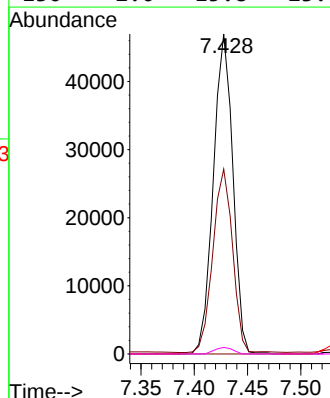
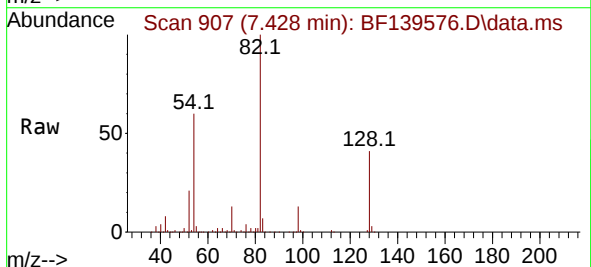
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-222

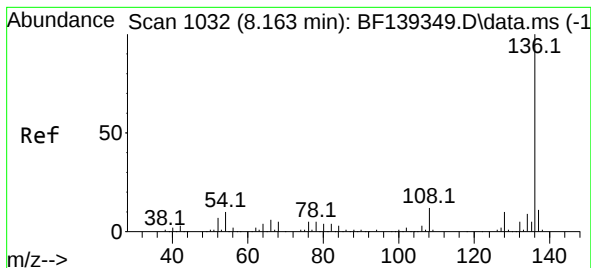
Tgt Ion: 99 Resp: 585132  
Ion Ratio Lower Upper  
99 100  
42 23.7 21.9 32.9  
71 37.6 34.6 52.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.986 ng  
RT: 7.428 min Scan# 907  
Delta R.T. 0.135 min  
Lab File: BF139576.D  
Acq: 30 Sep 2024 14:03

Tgt Ion: 70 Resp: 59778  
Ion Ratio Lower Upper  
70 100  
42 57.7 61.2 91.8#  
101 0.0 7.5 11.3#  
130 2.0 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

Instrument :

BNA\_F

ClientSampleId :

VNJ-222

Tgt Ion:136 Resp: 231002

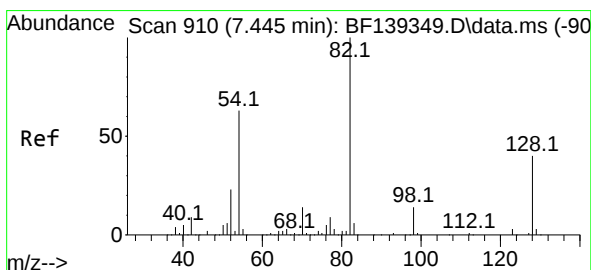
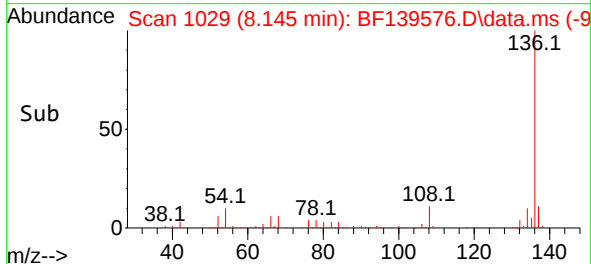
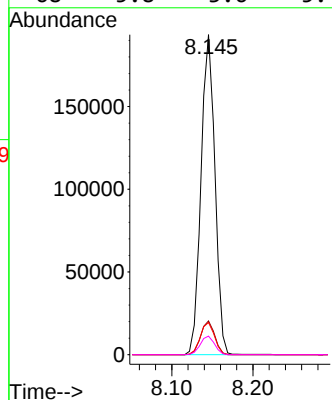
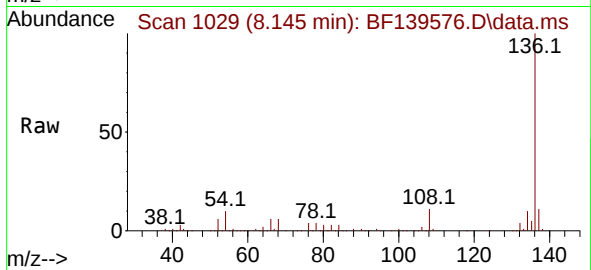
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 10.1 7.8 11.8

68 5.8 3.6 5.4#



#23

Nitrobenzene-d5

Concen: 90.566 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

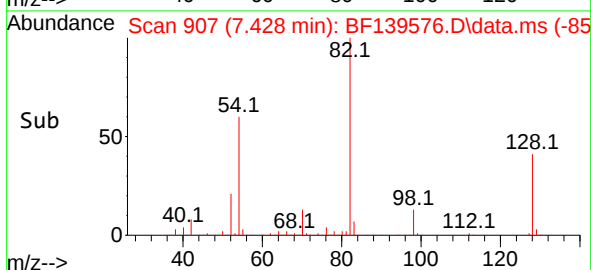
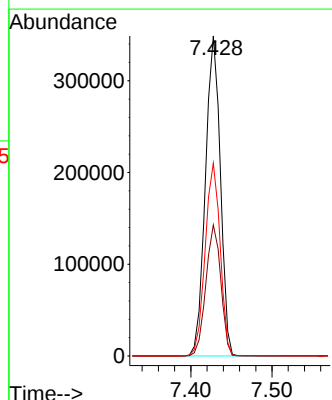
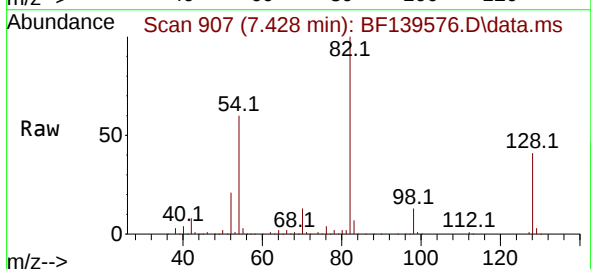
Tgt Ion: 82 Resp: 445020

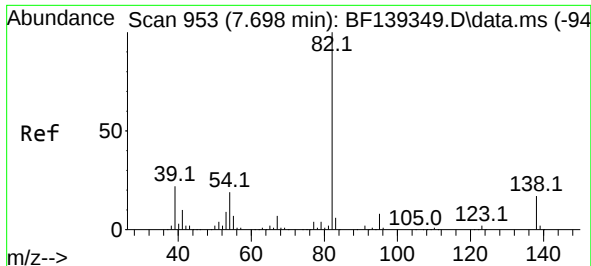
Ion Ratio Lower Upper

82 100

128 40.9 31.8 47.6

54 60.3 50.6 75.8

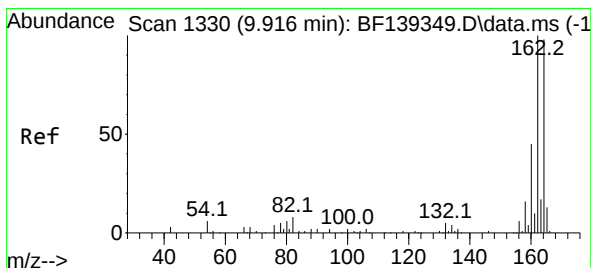
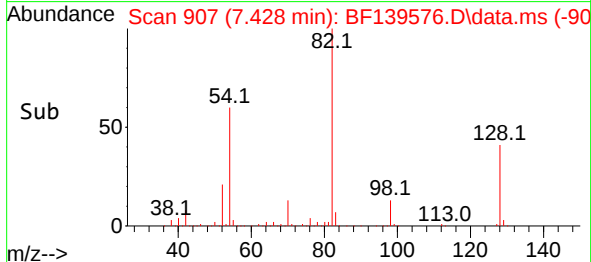
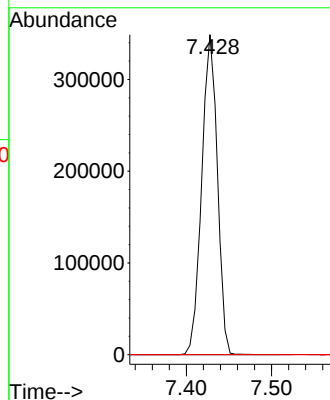
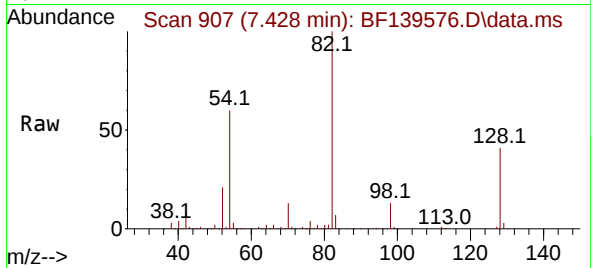




#25  
Isophorone  
Concen: 57.265 ng  
RT: 7.428 min Scan# 90  
Delta R.T. -0.271 min  
Lab File: BF139576.D  
Acq: 30 Sep 2024 14:03

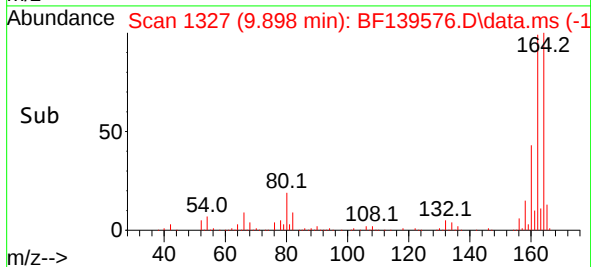
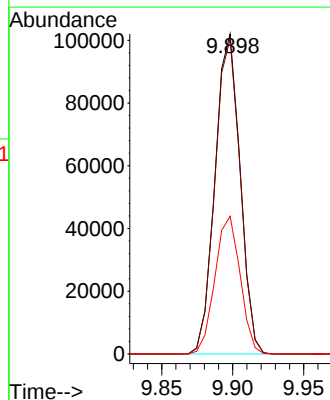
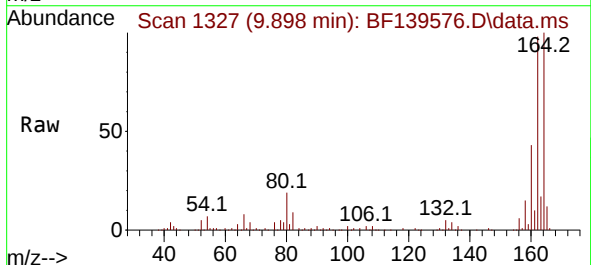
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-222

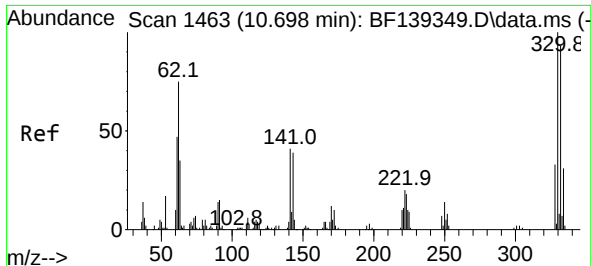
Tgt Ion: 82 Resp: 445014  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.7 10.1#  
138 0.0 13.3 19.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.018 min  
Lab File: BF139576.D  
Acq: 30 Sep 2024 14:03

Tgt Ion: 164 Resp: 125058  
Ion Ratio Lower Upper  
164 100  
162 98.5 81.3 121.9  
160 43.1 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 121.581 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

Instrument :

BNA\_F

ClientSampleId :

VNJ-222

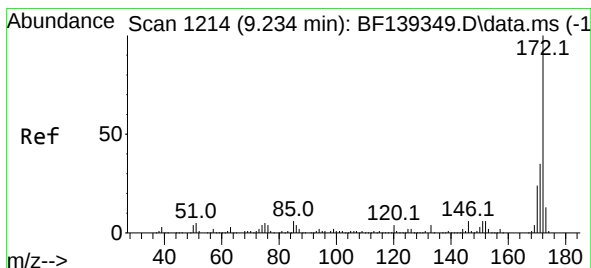
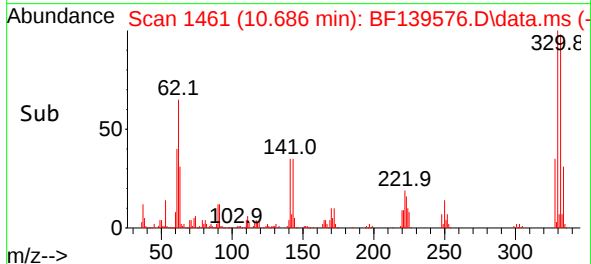
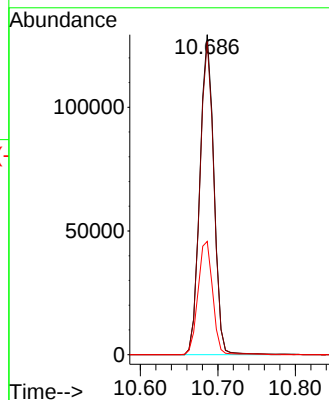
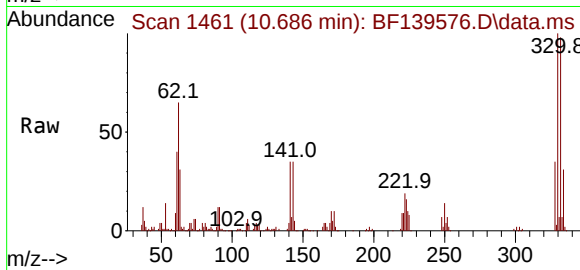
Tgt Ion:330 Resp: 161872

Ion Ratio Lower Upper

330 100

332 98.3 75.2 112.8

141 37.2 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 86.939 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

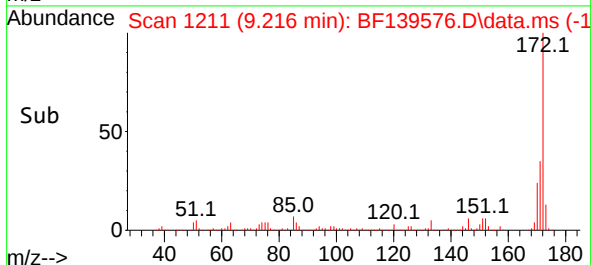
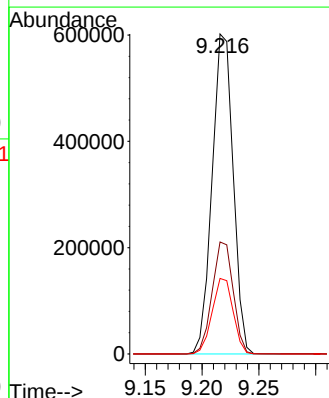
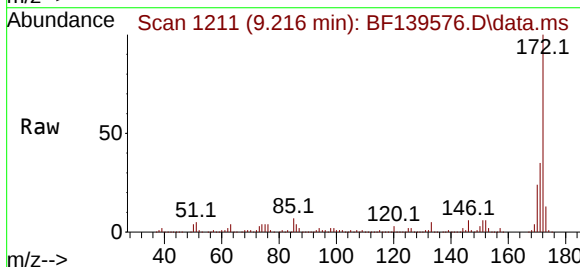
Tgt Ion:172 Resp: 775209

Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.6 19.0 28.6

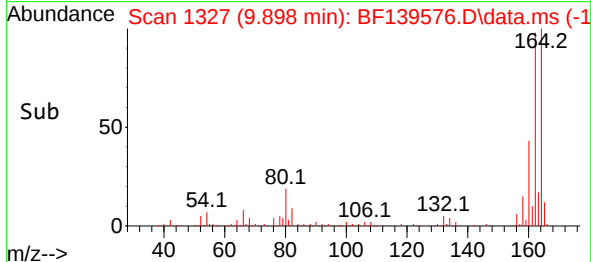
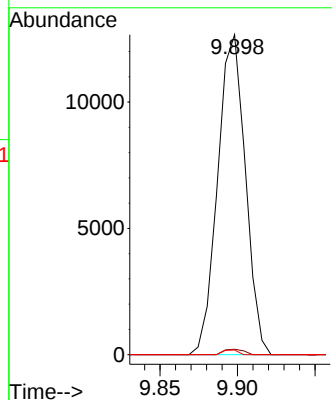
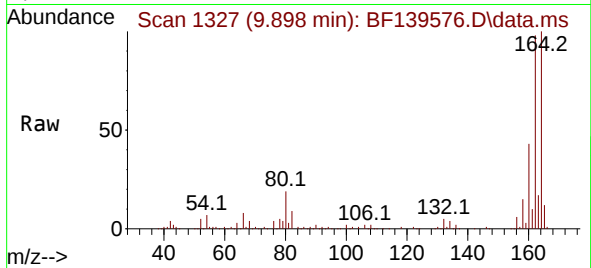




#51  
2,6-Dinitrotoluene  
Concen: 8.662 ng  
RT: 9.898 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF139576.D  
Acq: 30 Sep 2024 14:03

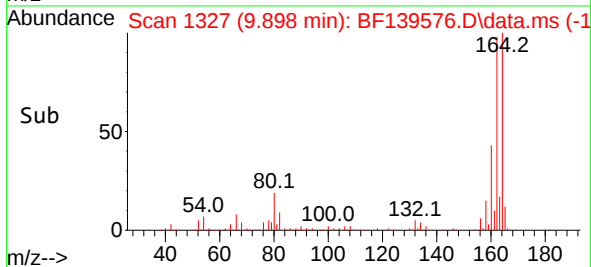
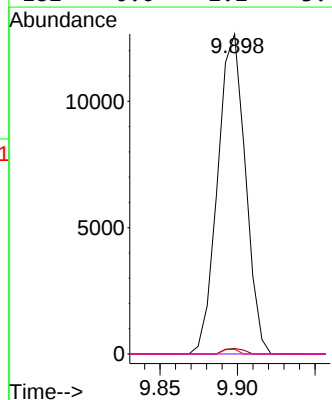
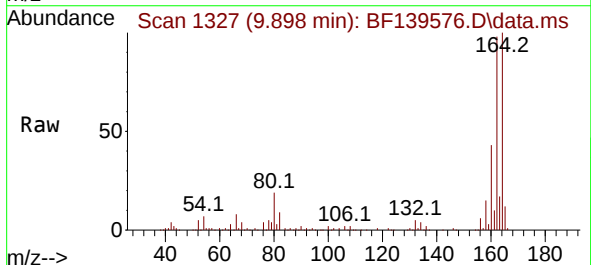
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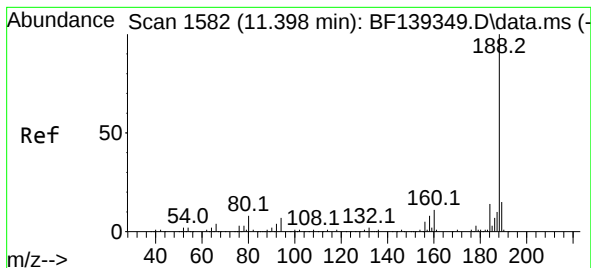
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Ion Ratio Lower Upper  
165 100  
63 1.7 60.9 91.3#  
89 1.5 54.7 82.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.416 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.200 min  
Lab File: BF139576.D  
Acq: 30 Sep 2024 14:03

Tgt Ion:165 Resp: 15750  
Ion Ratio Lower Upper  
165 100  
63 1.7 47.8 71.6#  
89 1.5 66.7 100.1#  
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

Instrument :

BNA\_F

ClientSampleId :

VNJ-222

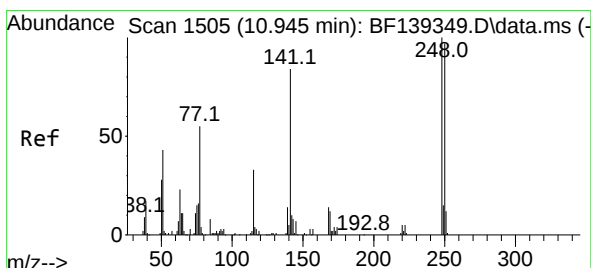
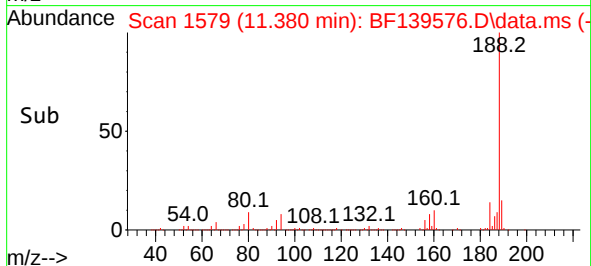
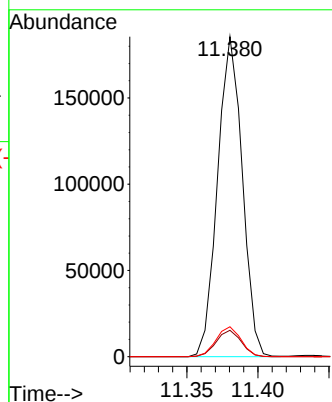
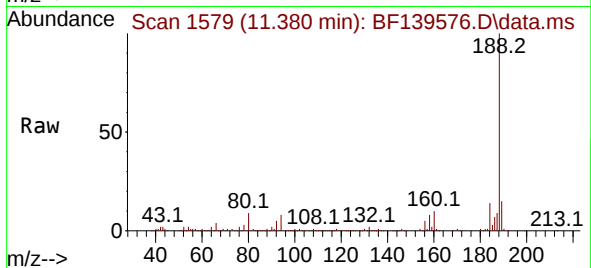
Tgt Ion:188 Resp: 224316

Ion Ratio Lower Upper

188 100

94 8.2 5.5 8.3

80 9.3 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 5.082 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.259 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

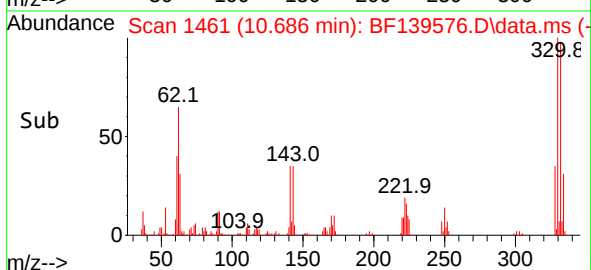
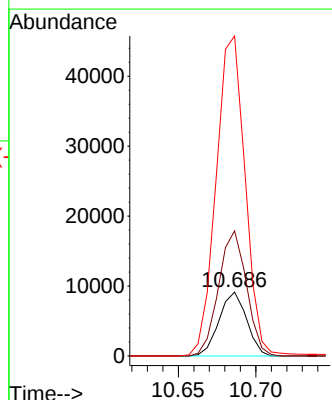
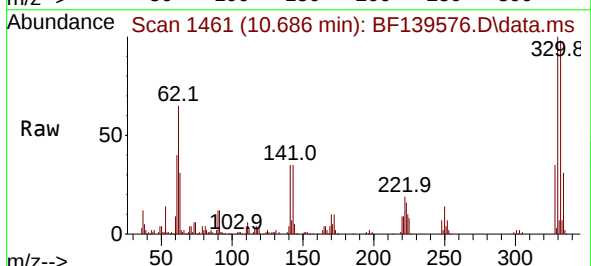
Tgt Ion:248 Resp: 11296

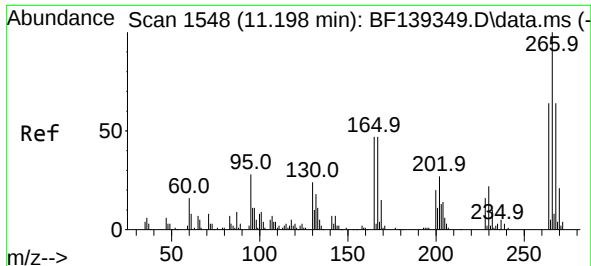
Ion Ratio Lower Upper

248 100

250 196.1 77.6 116.4#

141 501.4 66.9 100.3#

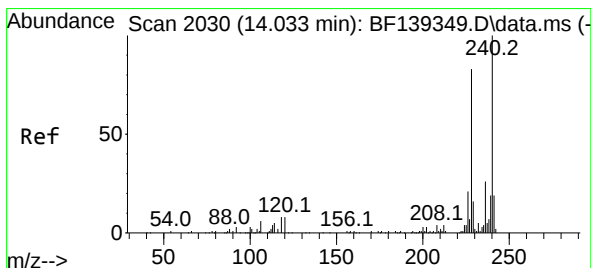
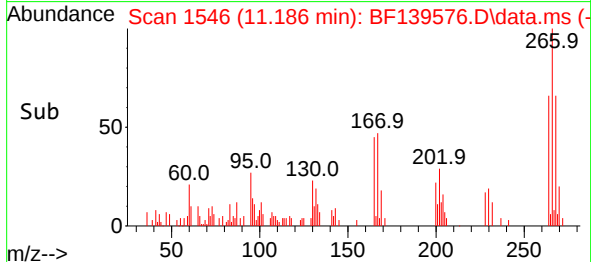
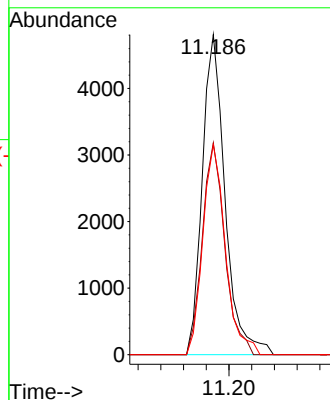
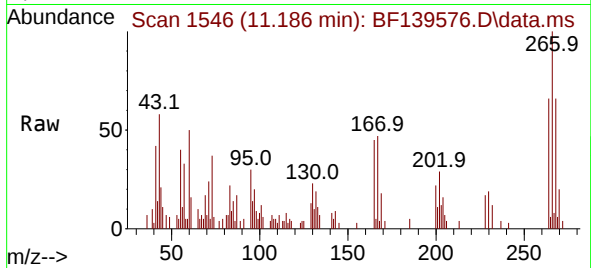




#70  
 Pentachlorophenol  
 Concen: 4.274 ng  
 RT: 11.186 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF139576.D  
 Acq: 30 Sep 2024 14:03

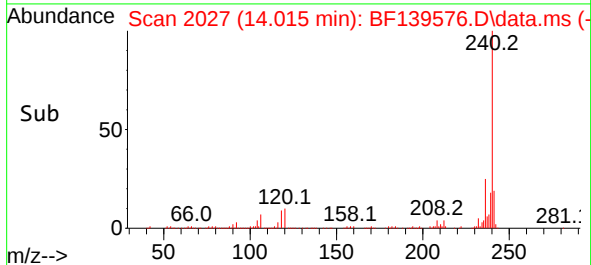
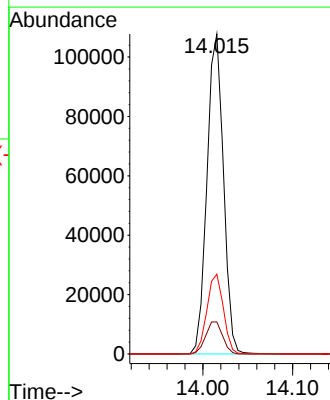
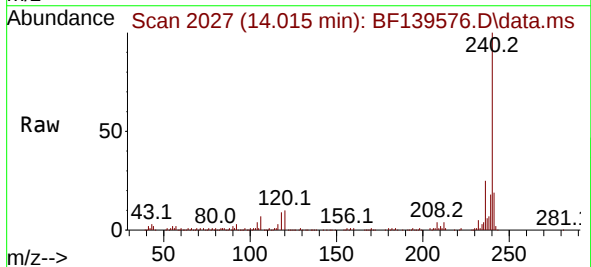
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-222

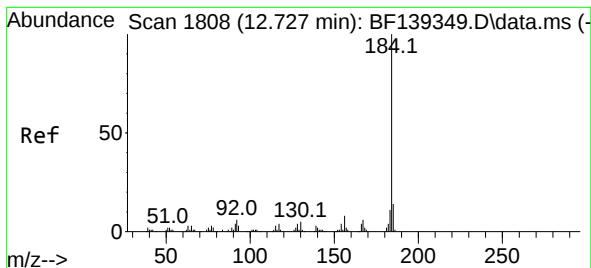
Tgt Ion:266 Resp: 6691  
 Ion Ratio Lower Upper  
 266 100  
 268 66.2 51.1 76.7  
 264 65.7 51.4 77.0



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.015 min Scan# 2027  
 Delta R.T. -0.018 min  
 Lab File: BF139576.D  
 Acq: 30 Sep 2024 14:03

Tgt Ion:240 Resp: 137273  
 Ion Ratio Lower Upper  
 240 100  
 120 10.0 6.2 9.2#  
 236 25.0 20.9 31.3





#77

Benzidine

Concen: 43.322 ng

RT: 12.716 min Scan# 1806

Delta R.T. -0.012 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

Instrument :

BNA\_F

ClientSampleId :

VNJ-222

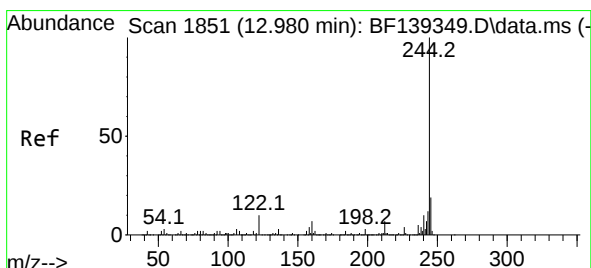
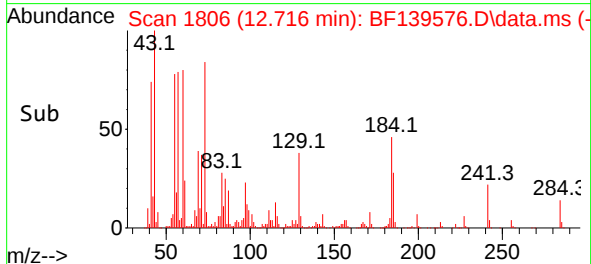
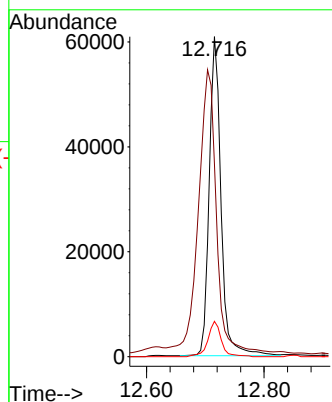
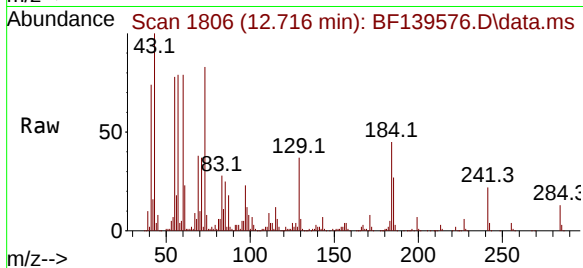
Tgt Ion:184 Resp: 85202

Ion Ratio Lower Upper

184 100

185 60.3 11.5 17.3#

183 11.0 8.9 13.3



#79

Terphenyl-d14

Concen: 96.810 ng

RT: 12.968 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

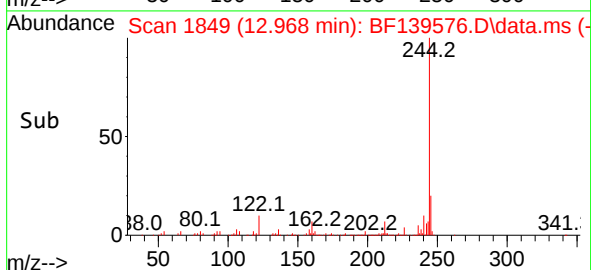
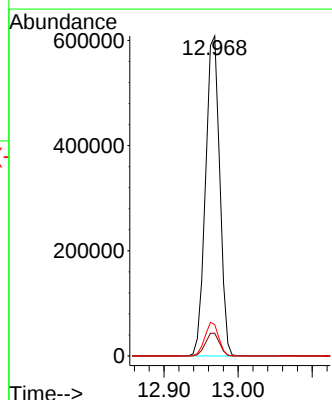
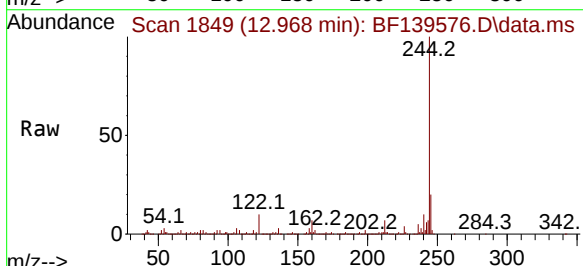
Tgt Ion:244 Resp: 809643

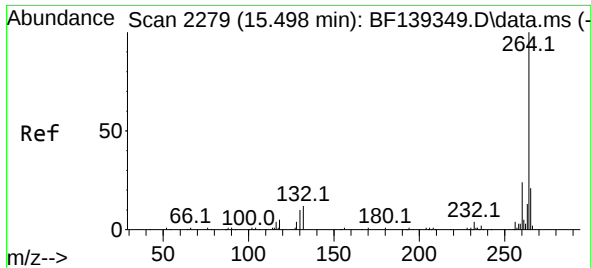
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

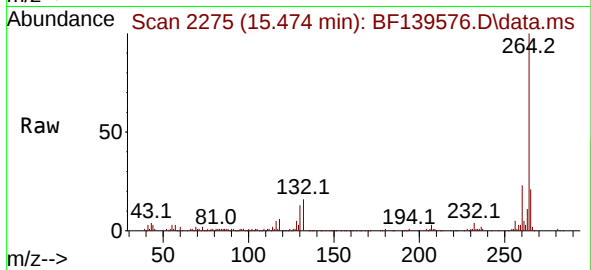
122 9.8 7.6 11.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.474 min Scan# 21  
Delta R.T. -0.024 min  
Lab File: BF139576.D  
Acq: 30 Sep 2024 14:03

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-222



Tgt Ion:264 Resp: 116260  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 19.5  | 29.3  |
| 265 | 20.8  | 16.6  | 25.0  |

