

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081822\  
 Data File : BF129887.D  
 Acq On : 18 Aug 2022 21:19  
 Operator : CG\JU  
 Sample : N4200-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S2

Quant Time: Aug 19 01:04:47 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 18 12:03:10 2022  
 Response via : Initial Calibration

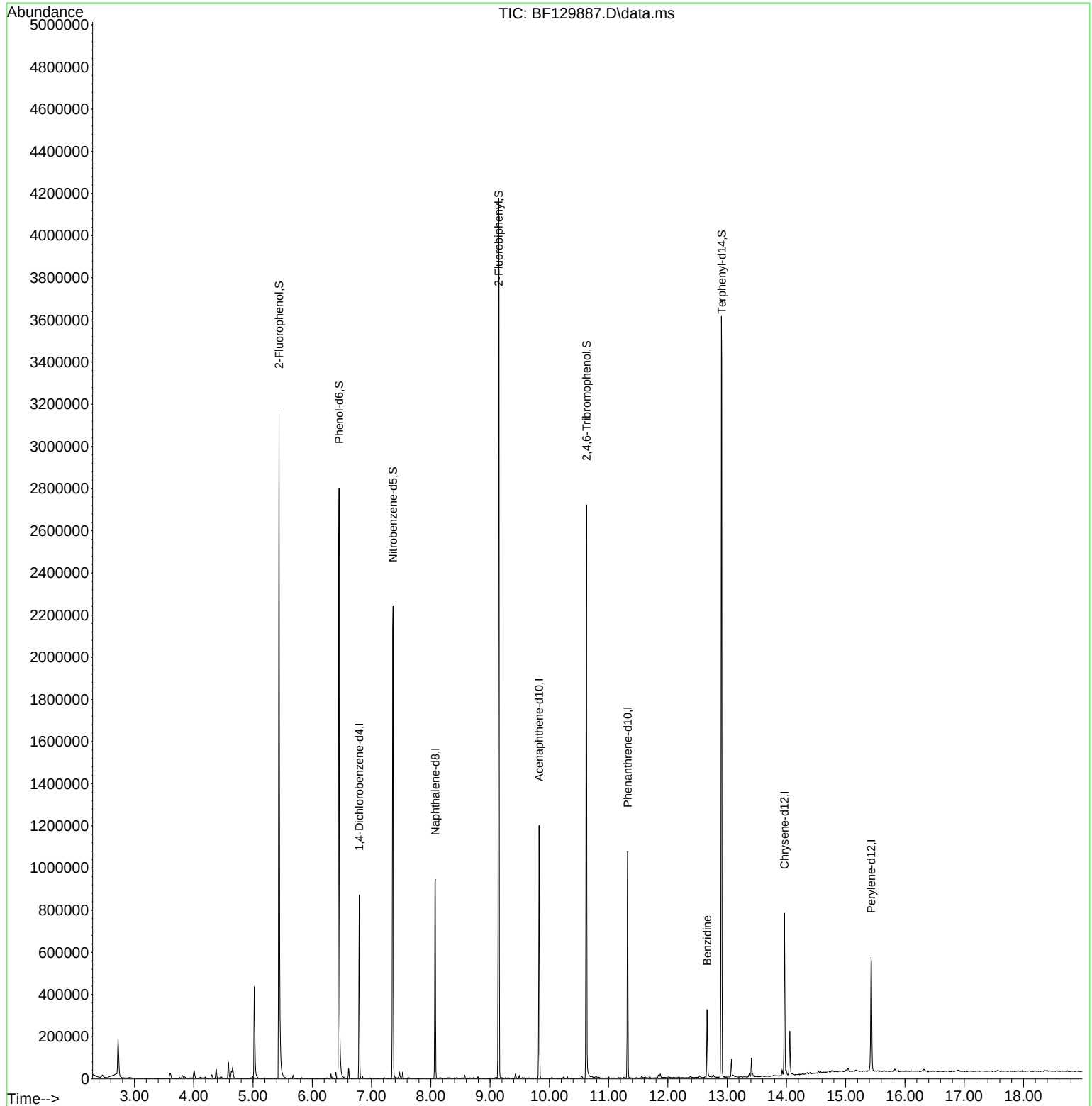
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)      |
|-----------------------------|--------|------|----------|---------|-------|---------------|
| -----                       |        |      |          |         |       |               |
| Internal Standards          |        |      |          |         |       |               |
| 1) 1,4-Dichlorobenzene-d4   | 6.793  | 152  | 112512   | 20.000  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.075  | 136  | 450980   | 20.000  | ng    | 0.00          |
| 39) Acenaphthene-d10        | 9.828  | 164  | 231888   | 20.000  | ng    | 0.00          |
| 64) Phenanthrene-d10        | 11.322 | 188  | 361377   | 20.000  | ng    | 0.00          |
| 76) Chrysene-d12            | 13.969 | 240  | 233628   | 20.000  | ng    | 0.00          |
| 86) Perylene-d12            | 15.427 | 264  | 252356   | 20.000  | ng    | 0.00          |
| System Monitoring Compounds |        |      |          |         |       |               |
| 5) 2-Fluorophenol           | 5.440  | 112  | 878319   | 129.251 | ng    | 0.01          |
| 7) Phenol-d6                | 6.451  | 99   | 996331   | 117.081 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.363  | 82   | 757353   | 89.899  | ng    | 0.00          |
| 42) 2,4,6-Tribromophenol    | 10.628 | 330  | 311730   | 133.942 | ng    | 0.00          |
| 45) 2-Fluorobiphenyl        | 9.145  | 172  | 1376760  | 90.174  | ng    | 0.00          |
| 79) Terphenyl-d14           | 12.910 | 244  | 1257469  | 89.559  | ng    | 0.00          |
| Target Compounds            |        |      |          |         |       |               |
| 77) Benzidine               | 12.663 | 184  | 111820   | 16.556  | ng    | Qvalue<br>100 |
| -----                       |        |      |          |         |       |               |

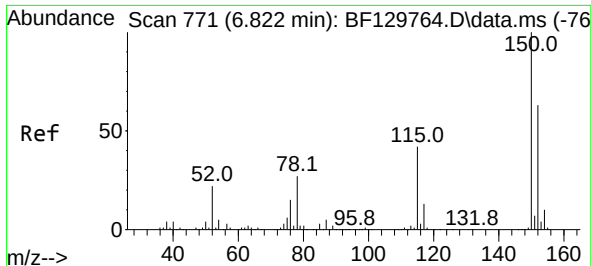
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 18 12:03:10 2022  
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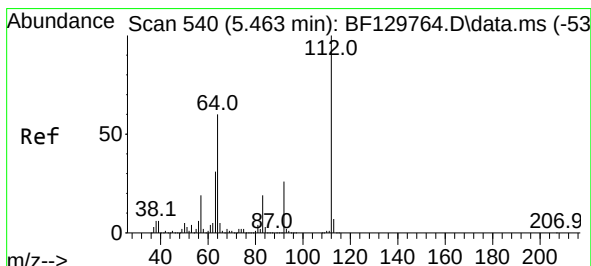
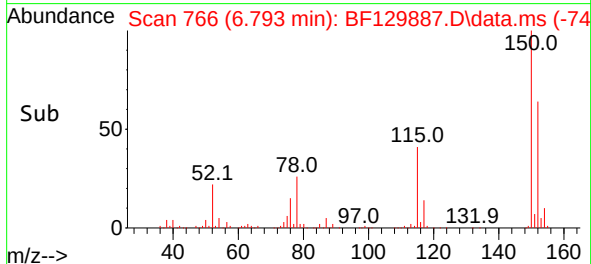
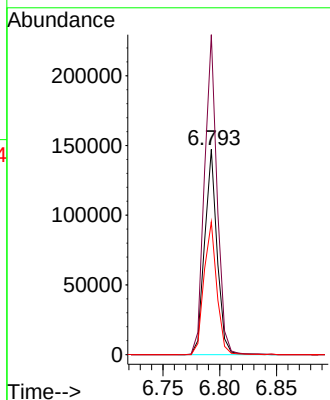
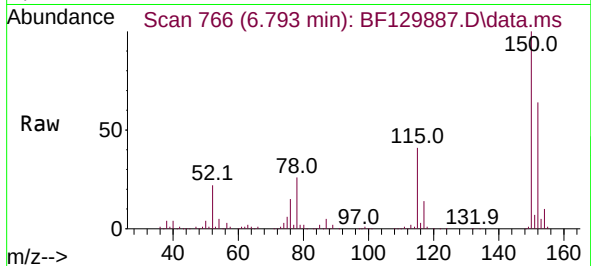




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.793 min Scan# 70  
Delta R.T. 0.001 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

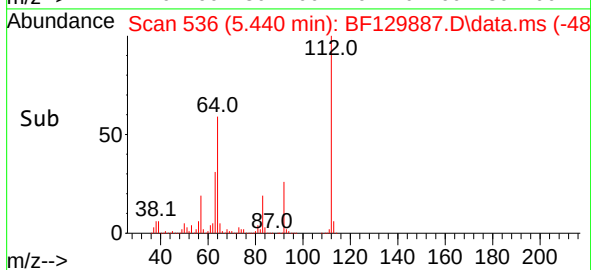
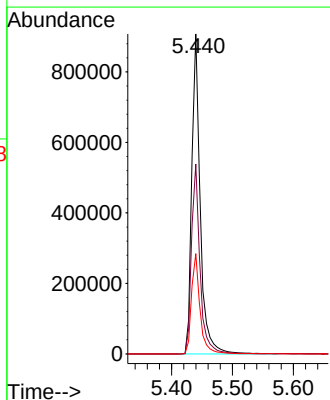
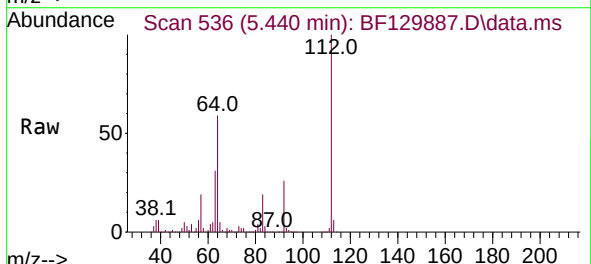
Instrument :  
BNA\_F  
ClientSampleId :  
S2

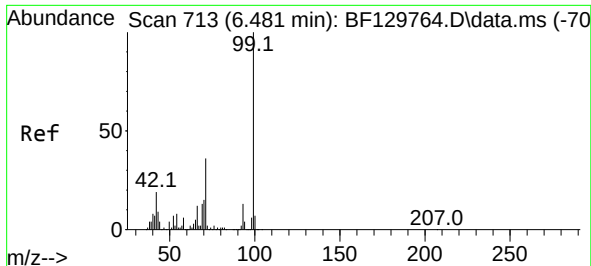
Tgt Ion:152 Resp: 112512  
Ion Ratio Lower Upper  
152 100  
150 155.9 126.9 190.3  
115 64.7 53.4 80.0



#5  
2-Fluorophenol  
Concen: 129.251 ng  
RT: 5.440 min Scan# 536  
Delta R.T. 0.012 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

Tgt Ion:112 Resp: 878319  
Ion Ratio Lower Upper  
112 100  
64 59.3 47.6 71.4  
63 31.3 24.6 37.0

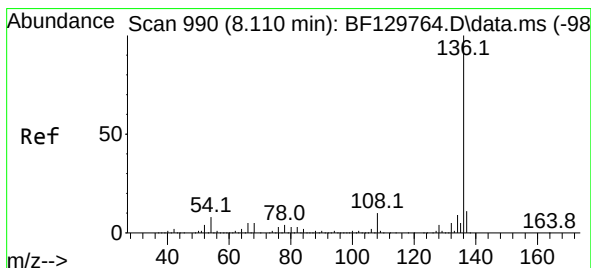
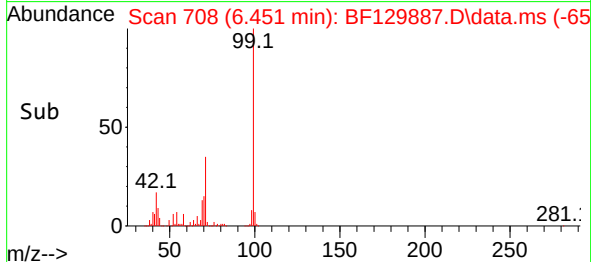
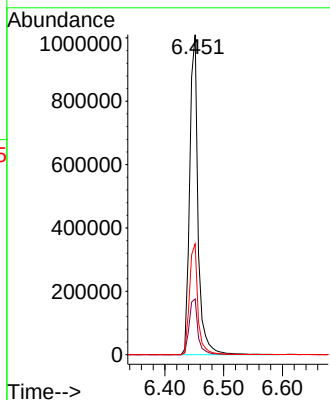
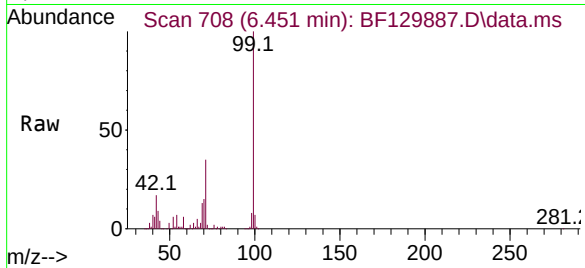




#7  
Phenol-d6  
Concen: 117.081 ng  
RT: 6.451 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

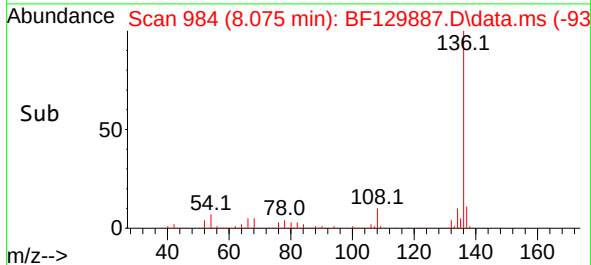
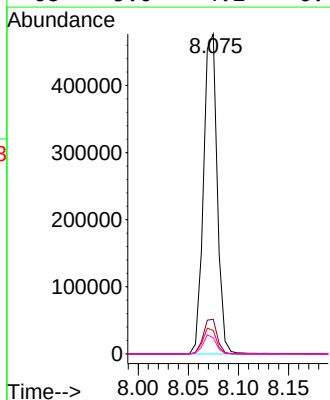
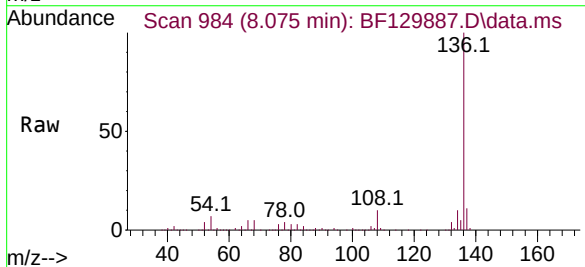
Instrument :  
BNA\_F  
ClientSampleId :  
S2

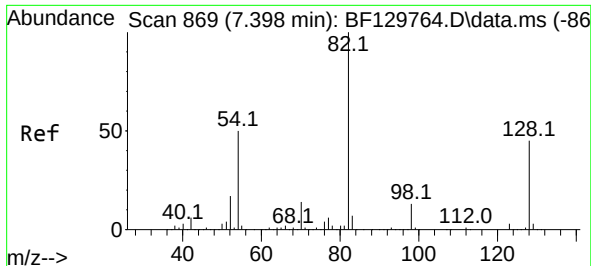
Tgt Ion: 99 Resp: 996331  
Ion Ratio Lower Upper  
99 100  
42 17.4 15.0 22.4  
71 34.6 28.8 43.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 984  
Delta R.T. -0.006 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

Tgt Ion: 136 Resp: 450980  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.4 12.6  
54 7.4 6.2 9.2  
68 5.0 4.2 6.4

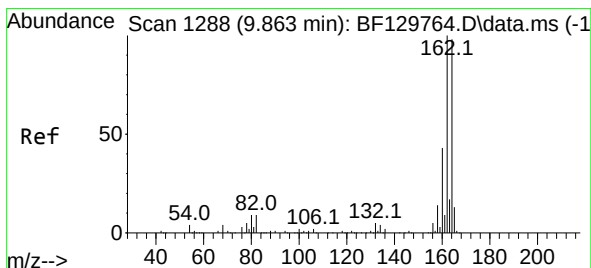
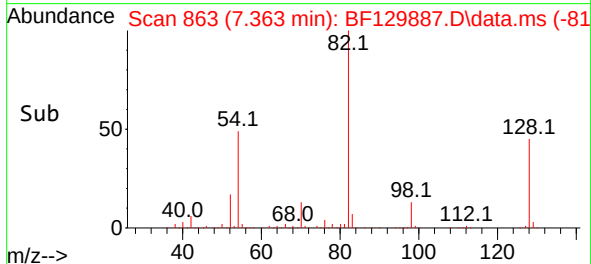
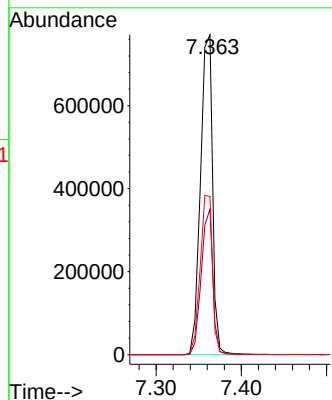
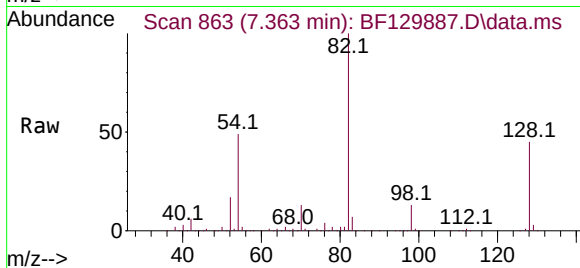




#23  
Nitrobenzene-d5  
Concen: 89.899 ng  
RT: 7.363 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

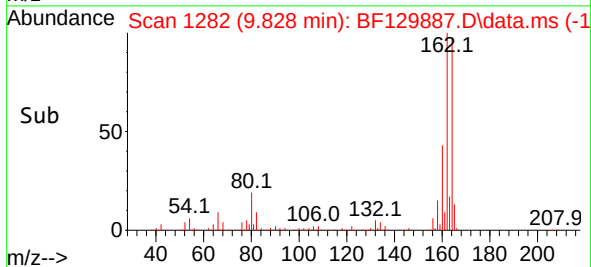
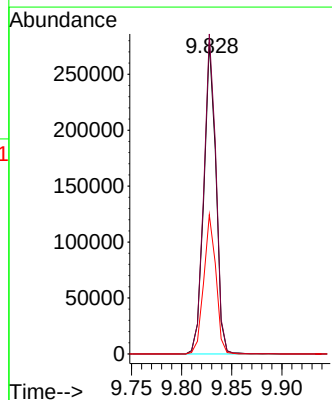
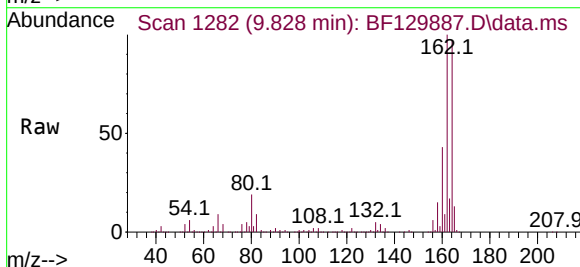
Instrument :  
BNA\_F  
ClientSampleId :  
S2

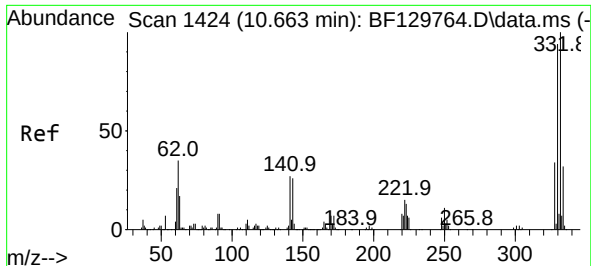
Tgt Ion: 82 Resp: 757353  
Ion Ratio Lower Upper  
82 100  
128 45.5 36.1 54.1  
54 49.4 40.0 60.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.828 min Scan# 1282  
Delta R.T. -0.006 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

Tgt Ion: 164 Resp: 231888  
Ion Ratio Lower Upper  
164 100  
162 102.8 82.0 123.0  
160 44.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 133.942 ng

RT: 10.628 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BF129887.D

Acq: 18 Aug 2022 21:19

Instrument :

BNA\_F

ClientSampleId :

S2

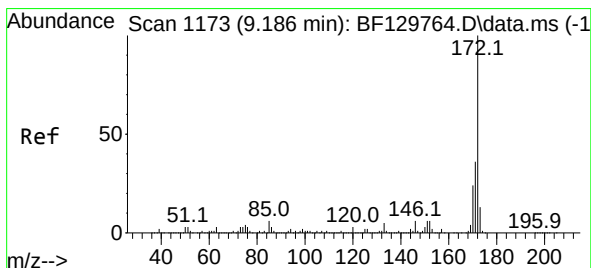
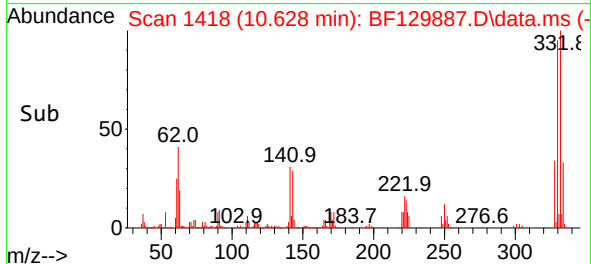
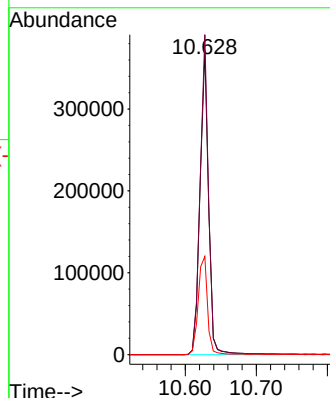
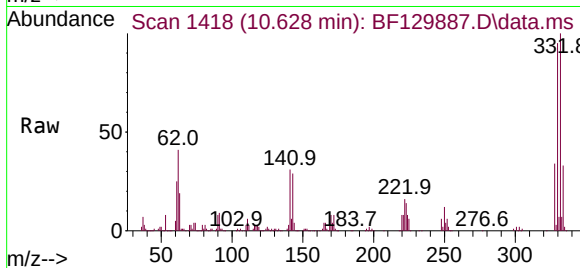
Tgt Ion:330 Resp: 311730

Ion Ratio Lower Upper

330 100

332 103.5 82.6 124.0

141 35.3 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 90.174 ng

RT: 9.145 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF129887.D

Acq: 18 Aug 2022 21:19

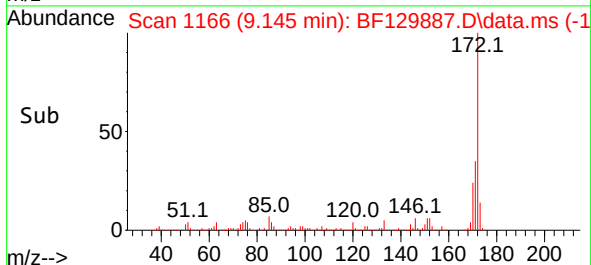
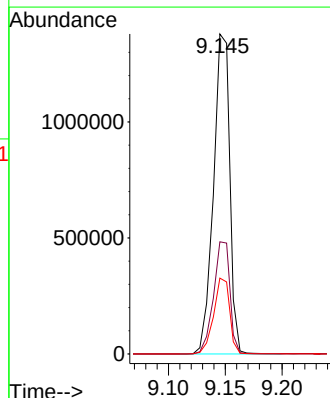
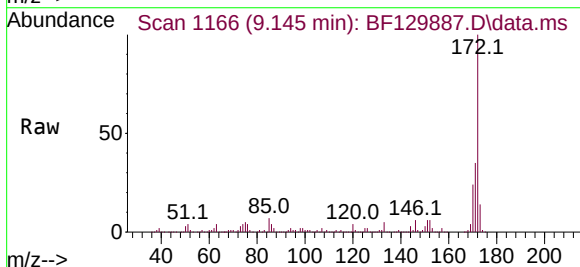
Tgt Ion:172 Resp: 1376760

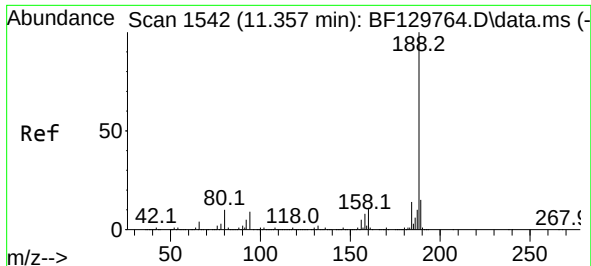
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.7 19.1 28.7

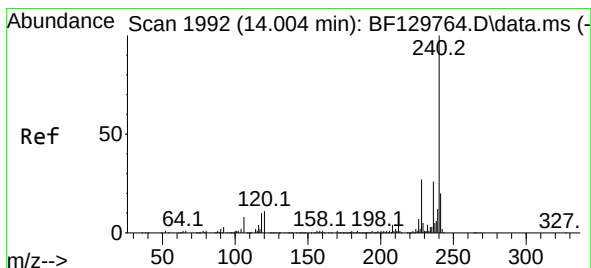
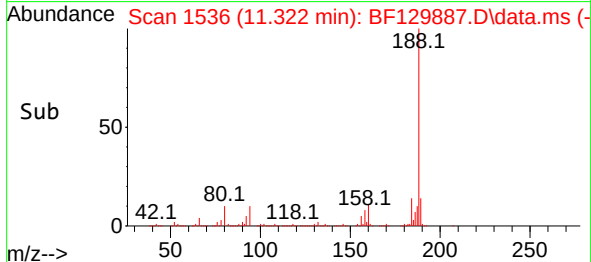
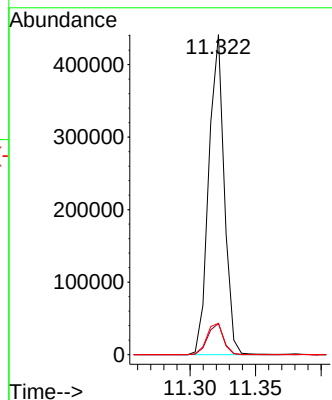
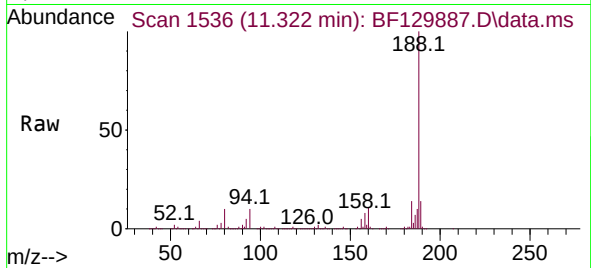




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

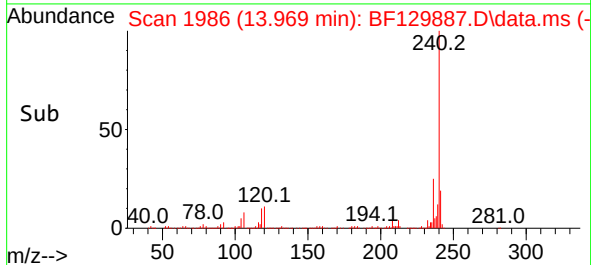
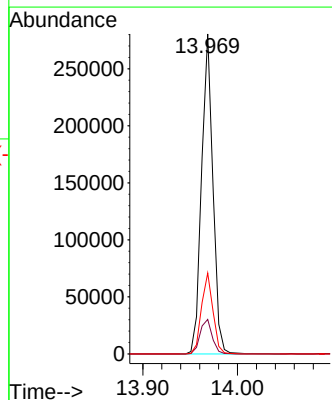
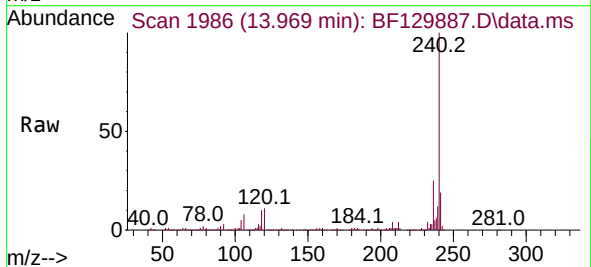
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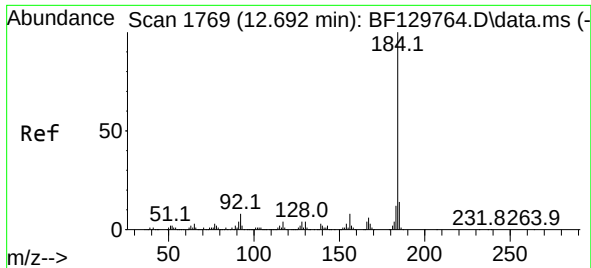
Tgt Ion:188 Resp: 361377  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.4 11.2  
80 9.8 7.9 11.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.969 min Scan# 1986  
Delta R.T. -0.006 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

Tgt Ion:240 Resp: 233628  
Ion Ratio Lower Upper  
240 100  
120 10.8 9.2 13.8  
236 25.3 20.7 31.1

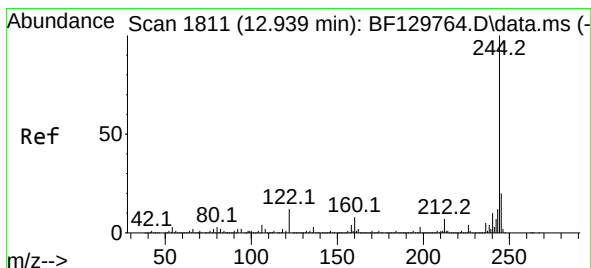
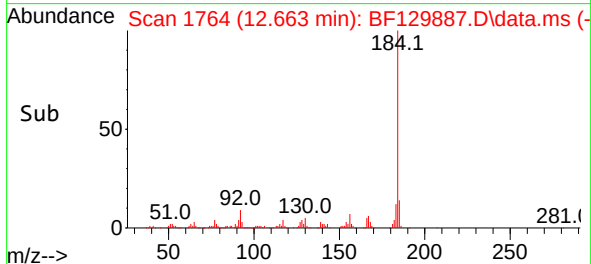
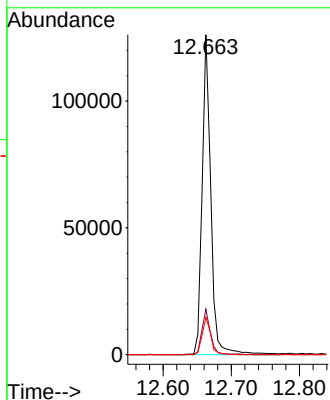
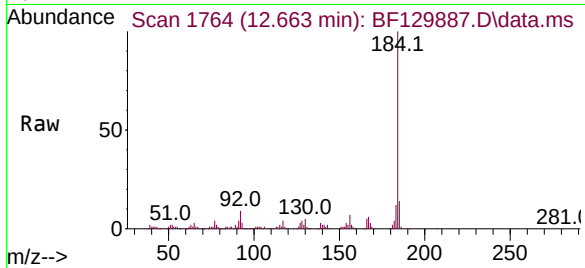




#77  
Benzidine  
Concen: 16.556 ng  
RT: 12.663 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

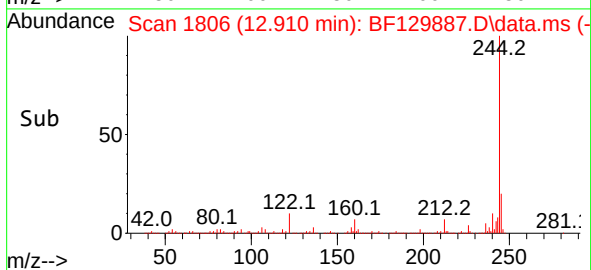
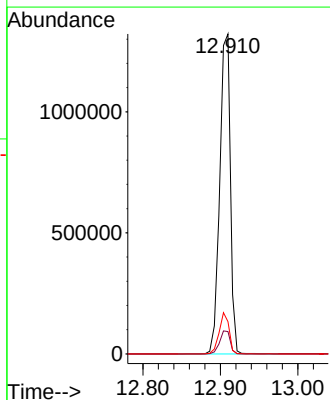
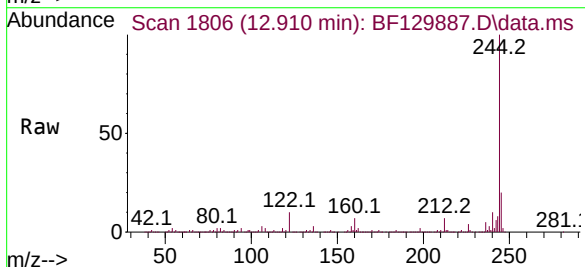
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Tgt Ion:184 Resp: 111820  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.4 17.2  
183 11.6 9.4 14.2

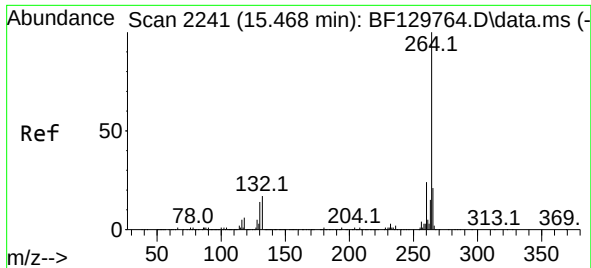


#79  
Terphenyl-d14  
Concen: 89.559 ng  
RT: 12.910 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

Tgt Ion:244 Resp: 1257469  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.9 8.9  
122 10.1 9.9 14.9







#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.427 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF129887.D  
Acq: 18 Aug 2022 21:19

Instrument :  
BNA\_F  
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Tgt Ion:264 Resp: 252356  
Ion Ratio Lower Upper  
264 100  
260 23.5 19.1 28.7  
265 21.3 16.7 25.1

