

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012725\  
 Data File : BF141269.D  
 Acq On : 27 Jan 2025 13:45  
 Operator : RC/JU  
 Sample : Q1183-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-237

Quant Time: Jan 27 14:08:12 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.804  | 152  | 125535   | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.087  | 136  | 493607   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 9.839  | 164  | 259388   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.328 | 188  | 425081   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12            | 13.974 | 240  | 348678   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.439 | 264  | 342478   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.416  | 112  | 5546     | 0.682  | ng    | -0.01    |
| 7) Phenol-d6                | 6.428  | 99   | 249899   | 24.277 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.363  | 82   | 486448   | 52.240 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.628 | 330  | 306      | 0.104  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.163  | 172  | 973677   | 57.321 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.916 | 244  | 1049630  | 44.742 | ng    | -0.02    |

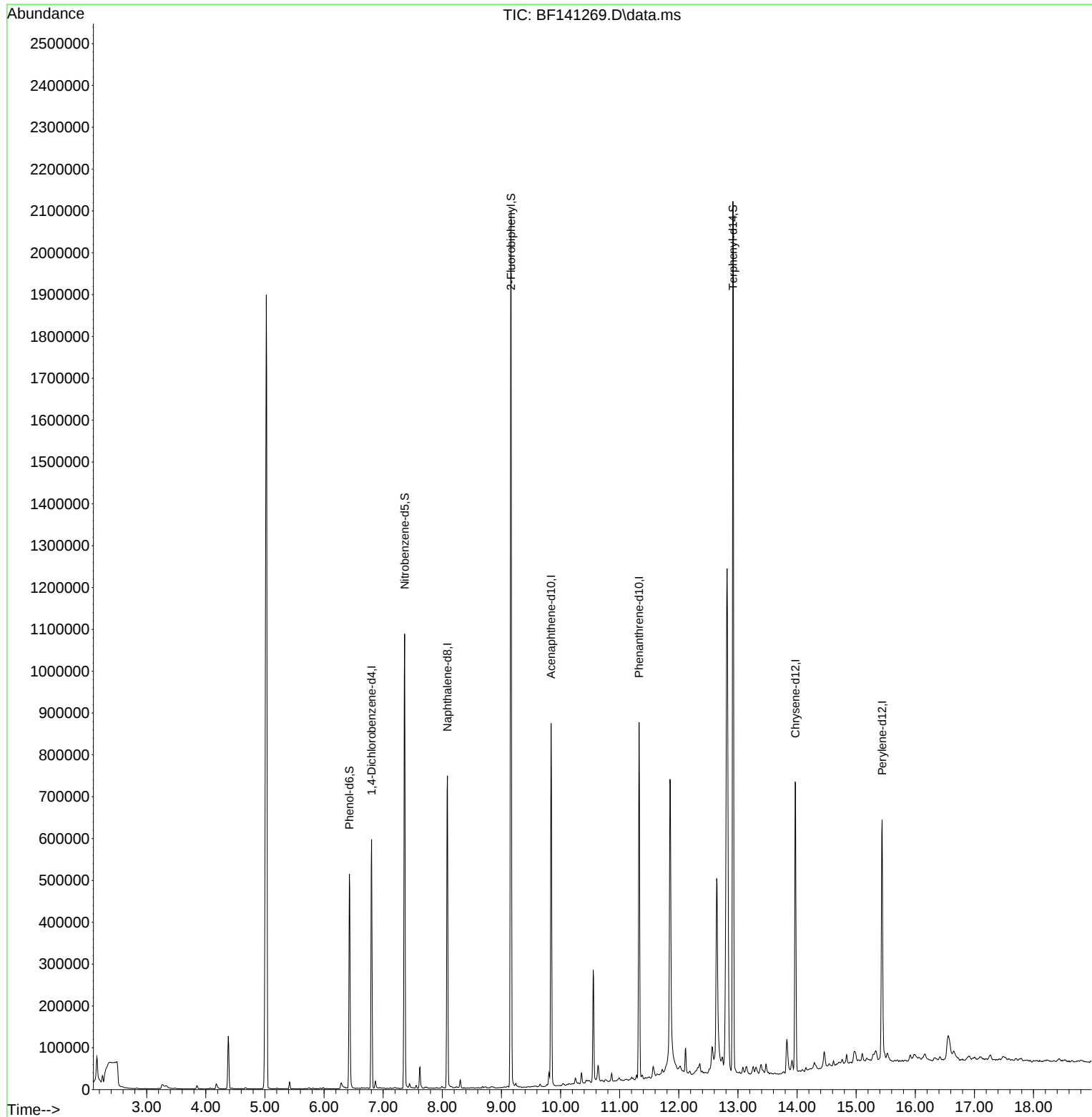
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
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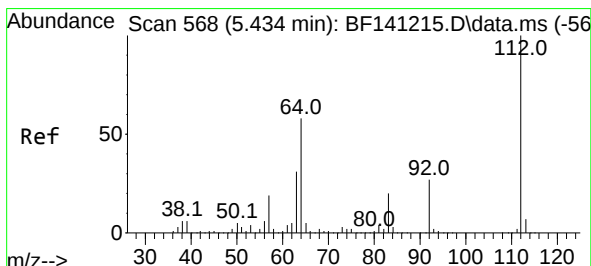
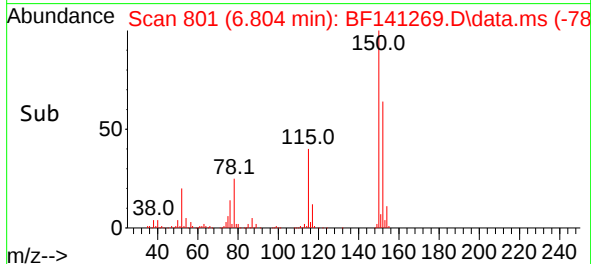
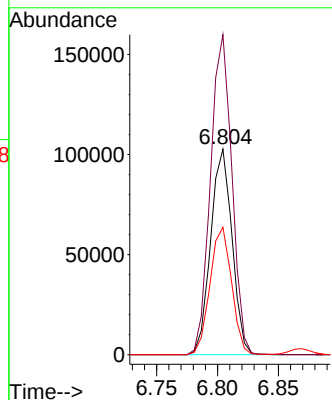
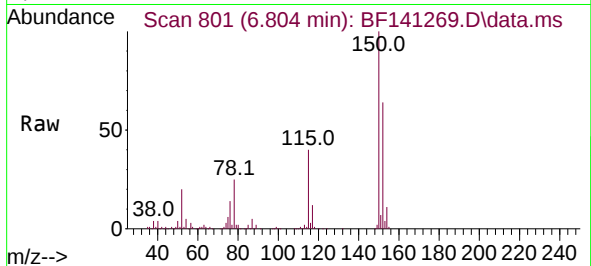




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.804 min Scan# 802  
Delta R.T. -0.018 min  
Lab File: BF141269.D  
Acq: 27 Jan 2025 13:45

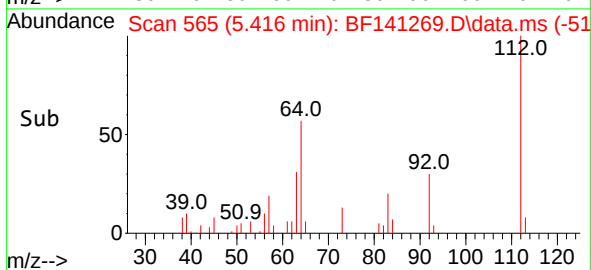
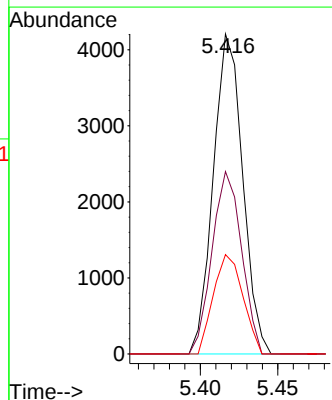
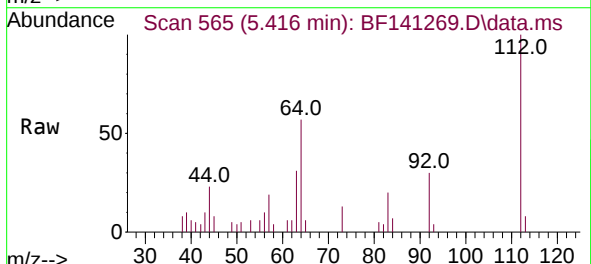
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-237

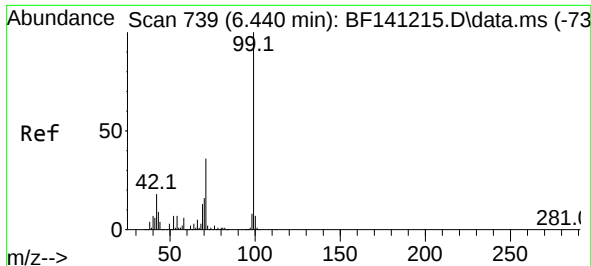
Tgt Ion:152 Resp: 125535  
Ion Ratio Lower Upper  
152 100  
150 155.7 125.8 188.8  
115 62.0 51.4 77.2



#5  
2-Fluorophenol  
Concen: 0.682 ng  
RT: 5.416 min Scan# 565  
Delta R.T. -0.012 min  
Lab File: BF141269.D  
Acq: 27 Jan 2025 13:45

Tgt Ion:112 Resp: 5546  
Ion Ratio Lower Upper  
112 100  
64 57.0 47.3 70.9  
63 31.1 24.2 36.2

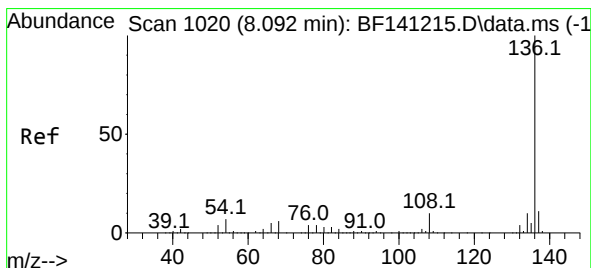
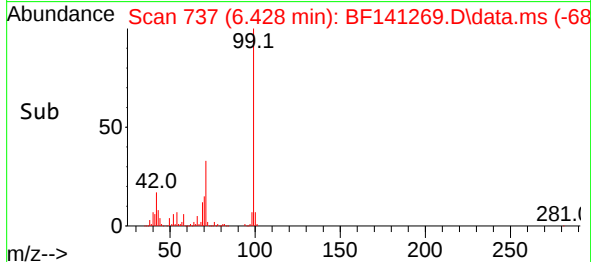
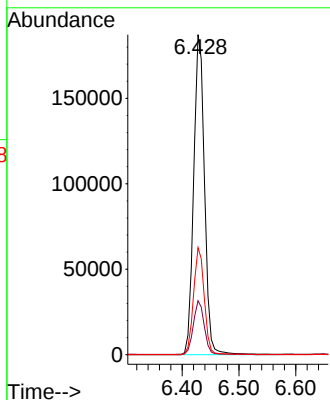
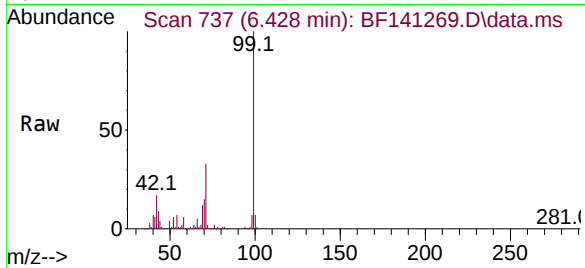




#7  
Phenol-d6  
Concen: 24.277 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF141269.D  
Acq: 27 Jan 2025 13:45

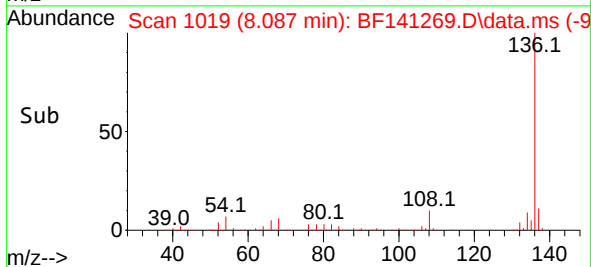
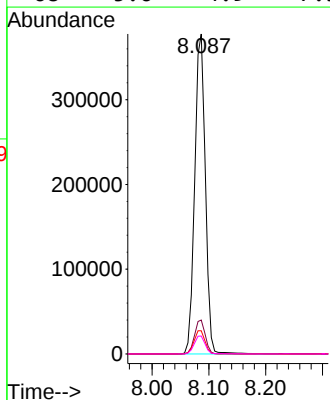
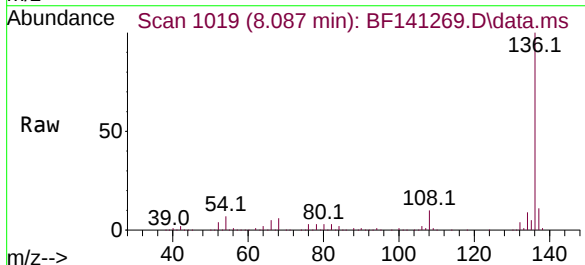
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-237

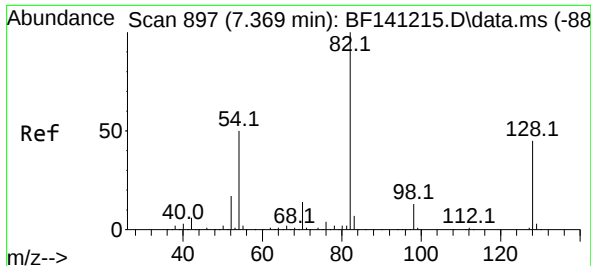
Tgt Ion: 99 Resp: 249899  
Ion Ratio Lower Upper  
99 100  
42 16.8 15.0 22.4  
71 33.4 27.6 41.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.087 min Scan# 1019  
Delta R.T. -0.018 min  
Lab File: BF141269.D  
Acq: 27 Jan 2025 13:45

Tgt Ion: 136 Resp: 493607  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 7.2 6.3 9.5  
68 5.6 4.9 7.3

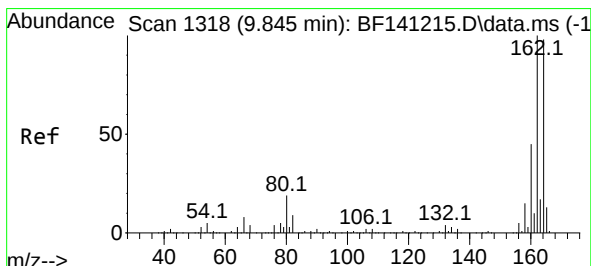
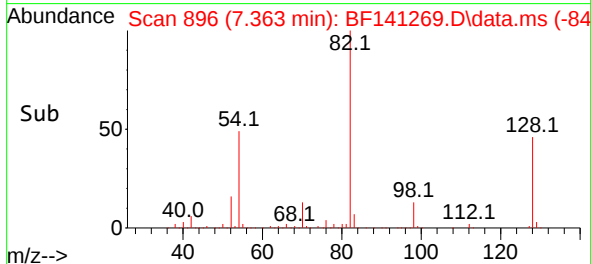
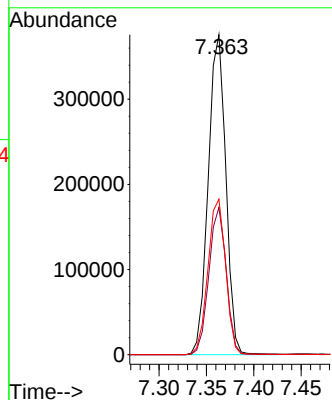
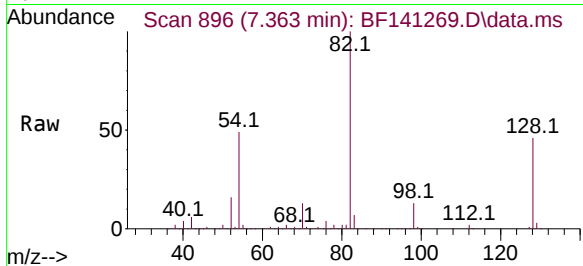




#23  
Nitrobenzene-d5  
Concen: 52.240 ng  
RT: 7.363 min Scan# 897  
Delta R.T. -0.023 min  
Lab File: BF141269.D  
Acq: 27 Jan 2025 13:45

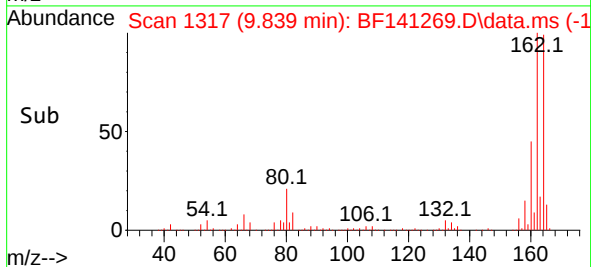
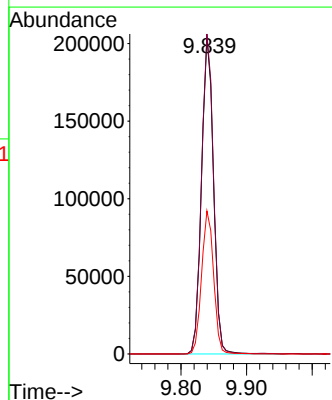
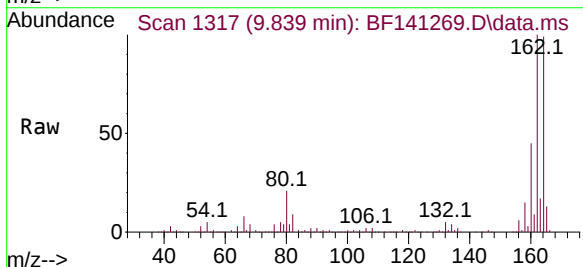
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-237

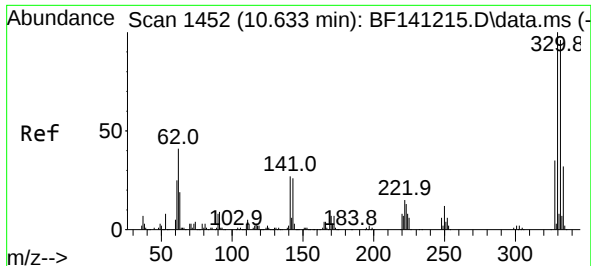
Tgt Ion: 82 Resp: 486448  
Ion Ratio Lower Upper  
82 100  
128 46.0 36.1 54.1  
54 48.6 41.0 61.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.839 min Scan# 1317  
Delta R.T. -0.023 min  
Lab File: BF141269.D  
Acq: 27 Jan 2025 13:45

Tgt Ion:164 Resp: 259388  
Ion Ratio Lower Upper  
164 100  
162 101.2 81.0 121.4  
160 45.2 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 0.104 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.023 min

Lab File: BF141269.D

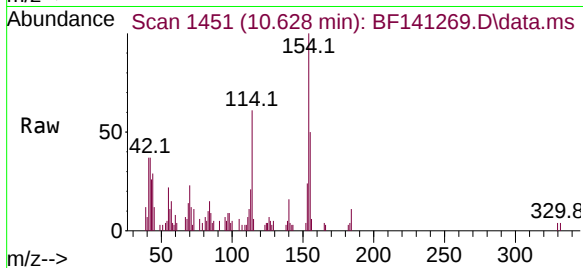
Acq: 27 Jan 2025 13:45

Instrument :

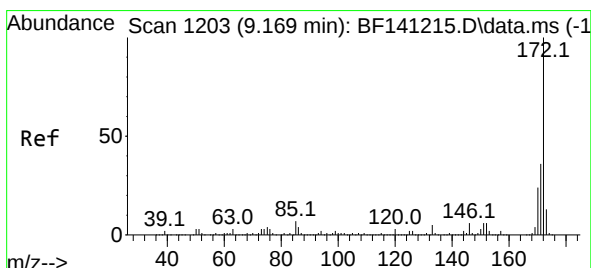
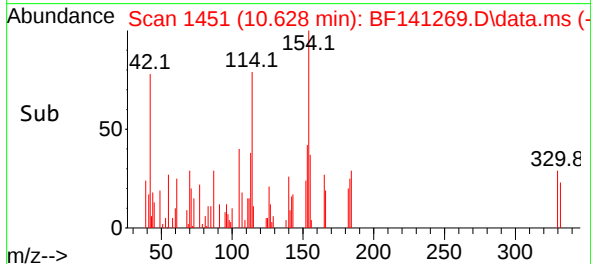
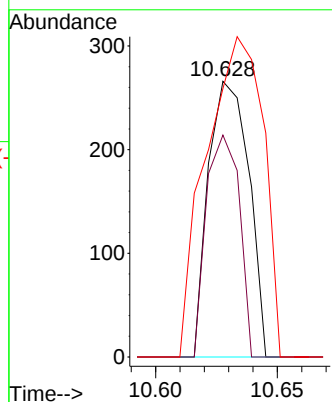
BNA\_F

ClientSampleId :

VNJ-237



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 306    |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 66.0  | 76.9  | 115.3# |
| 141       | 164.7 | 25.2  | 37.8#  |



#45

2-Fluorobiphenyl

Concen: 57.321 ng

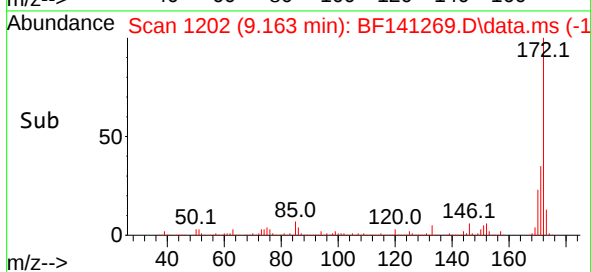
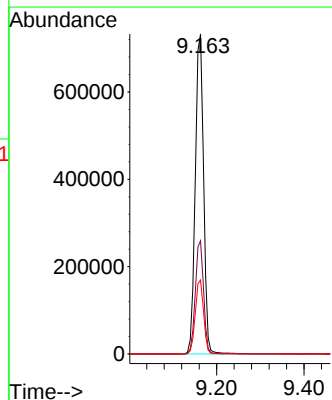
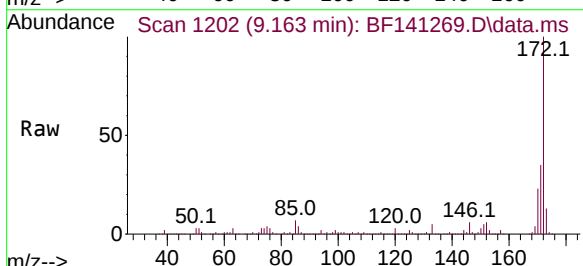
RT: 9.163 min Scan# 1202

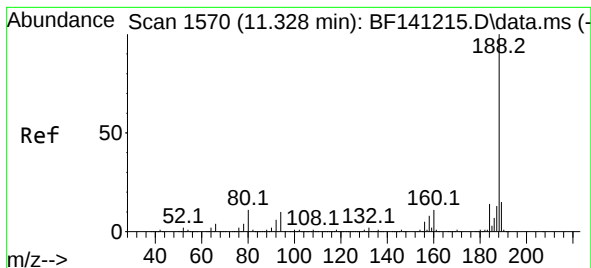
Delta R.T. -0.018 min

Lab File: BF141269.D

Acq: 27 Jan 2025 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 973677 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 35.4  | 28.7  | 43.1   |
| 170       | 23.1  | 19.0  | 28.6   |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141269.D

Acq: 27 Jan 2025 13:45

Instrument :

BNA\_F

ClientSampleId :

VNJ-237

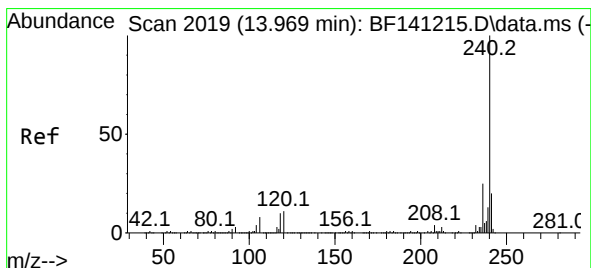
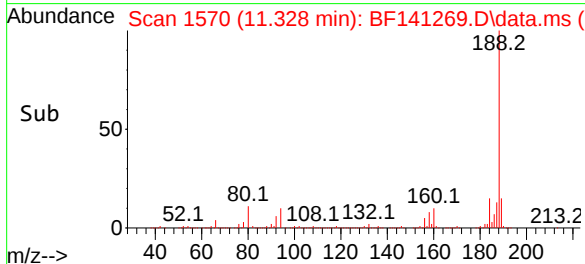
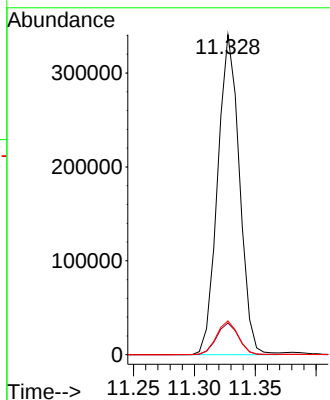
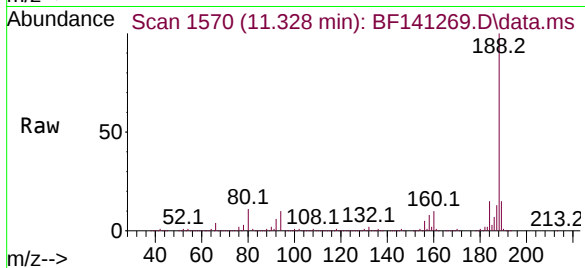
Tgt Ion:188 Resp: 425081

Ion Ratio Lower Upper

188 100

94 9.9 8.3 12.5

80 10.5 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF141269.D

Acq: 27 Jan 2025 13:45

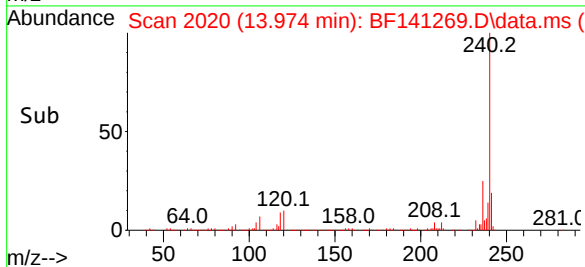
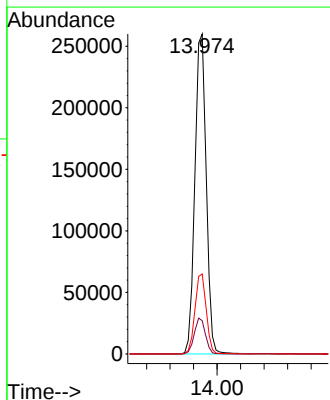
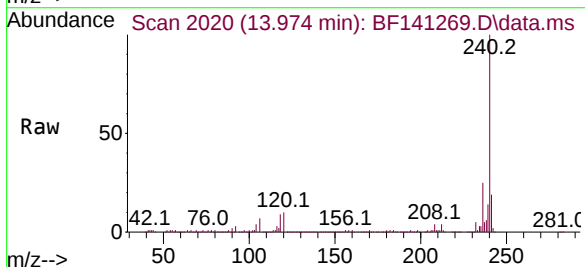
Tgt Ion:240 Resp: 348678

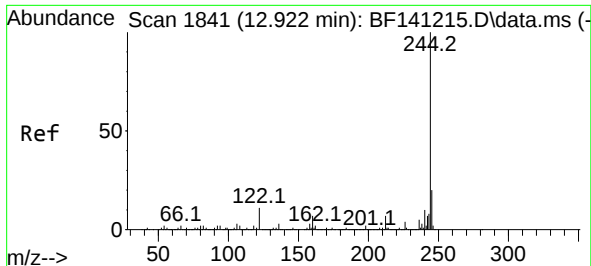
Ion Ratio Lower Upper

240 100

120 10.4 9.1 13.7

236 25.0 19.8 29.6

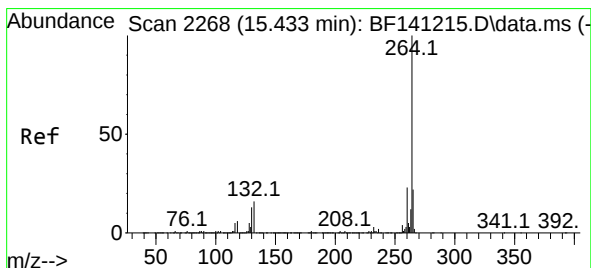
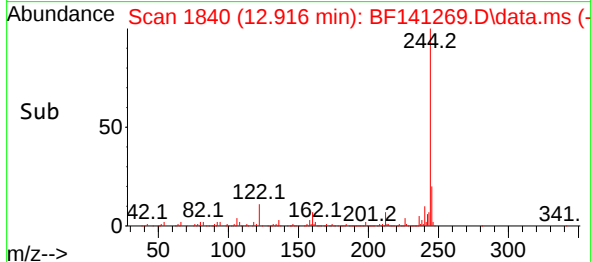
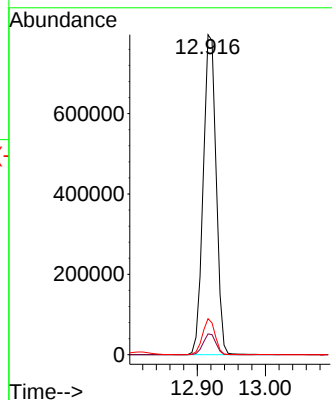
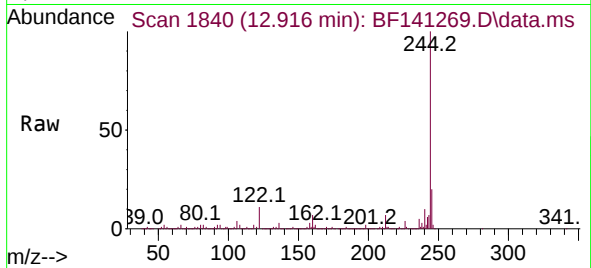




#79  
 Terphenyl-d14  
 Concen: 44.742 ng  
 RT: 12.916 min Scan# 1841  
 Delta R.T. -0.018 min  
 Lab File: BF141269.D  
 Acq: 27 Jan 2025 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-237

Tgt Ion:244 Resp: 1049630  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.4 8.2  
 122 11.3 8.8 13.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.439 min Scan# 2269  
 Delta R.T. 0.000 min  
 Lab File: BF141269.D  
 Acq: 27 Jan 2025 13:45

Tgt Ion:264 Resp: 342478  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 18.6 28.0  
 265 21.6 17.4 26.0

