

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111022\  
 Data File : BF131132.D  
 Acq On : 10 Nov 2022 20:08  
 Operator : CG\JU  
 Sample : N5520-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R20-3

Quant Time: Nov 11 00:50:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 10 04:15:17 2022  
 Response via : Initial Calibration

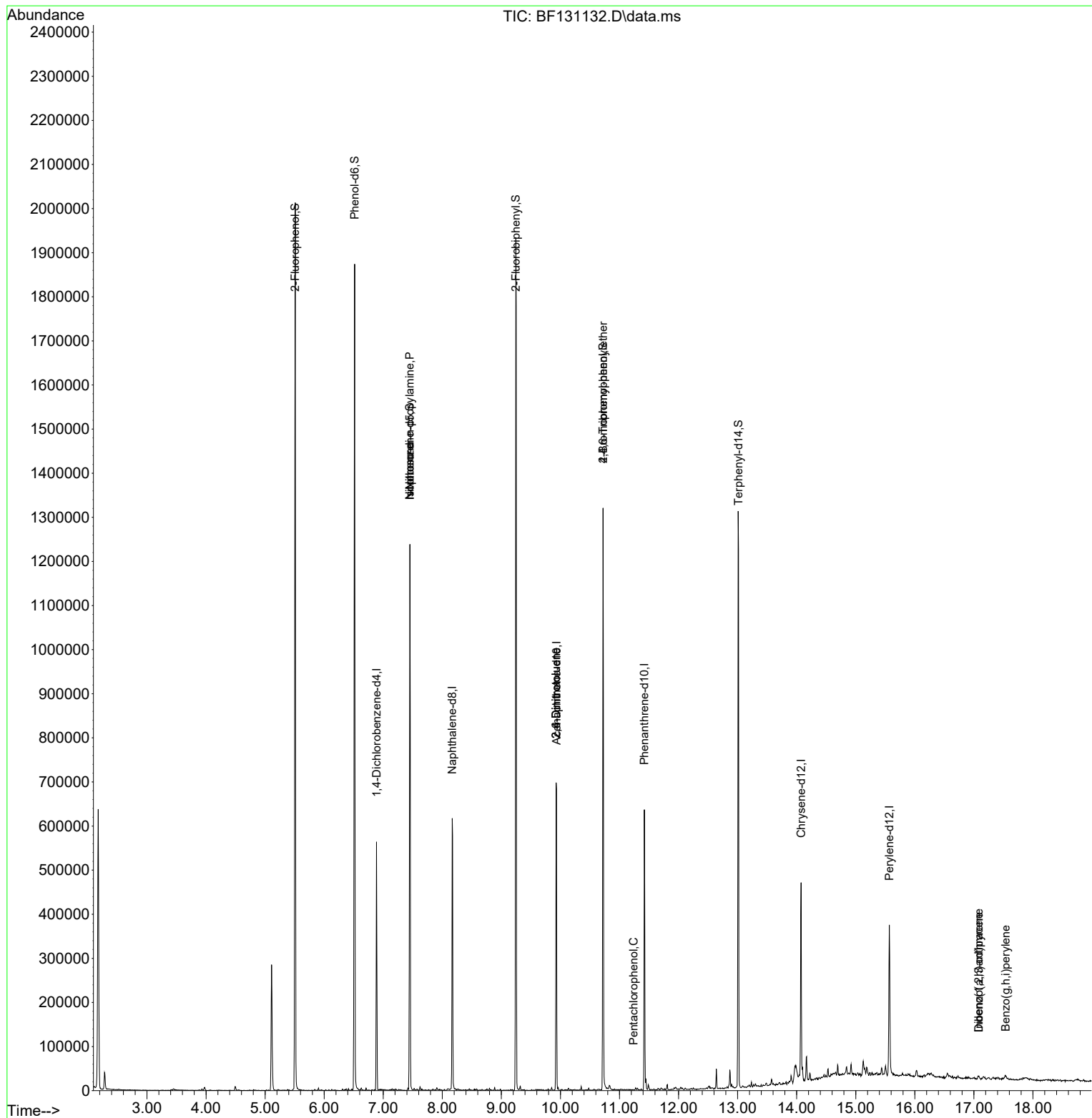
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 70874    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 267159   | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 9.933  | 164  | 146992   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.421 | 188  | 216537   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.074 | 240  | 144112   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.568 | 264  | 144655   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 470192   | 112.822 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 560392   | 102.852 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 376927   | 63.657  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.721 | 330  | 141417   | 93.091  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 597810   | 56.774  | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.015 | 244  | 449943   | 54.742  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 51379    | 14.362  | ng    | # 76     |
| 25) Isophorone                | 7.451  | 82   | 376986   | 41.176  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.927  | 165  | 19069    | 8.299   | ng    | # 14     |
| 57) 2,4-Dinitrotoluene        | 9.927  | 165  | 19069    | 6.243   | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 10.721 | 248  | 8359     | 3.414   | ng    | # 1      |
| 70) Pentachlorophenol         | 11.239 | 266  | 89       | 5.588   | ng    | # 19     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.080 | 276  | 5421     | 4.286   | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.080 | 278  | 2111     | 4.042   | ng    | # 75     |
| 92) Benzo(g,h,i)perylene      | 17.539 | 276  | 5295     | 4.839   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

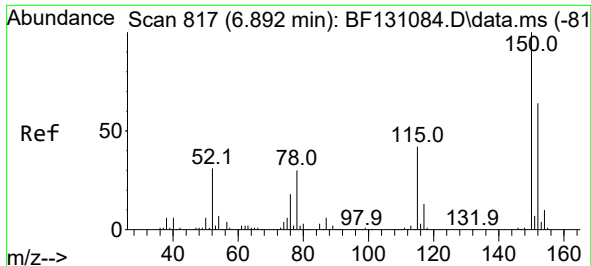
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111022\  
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Sample : N5520-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
R20-3

Quant Time: Nov 11 00:50:56 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 10 04:15:17 2022  
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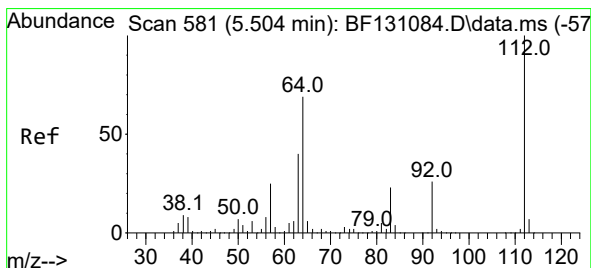
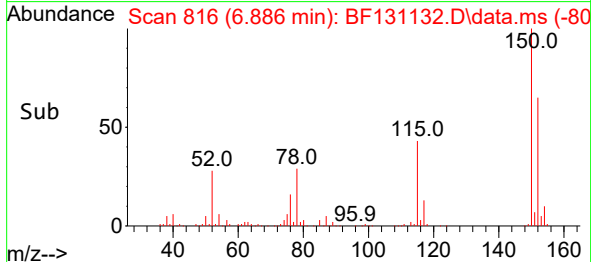
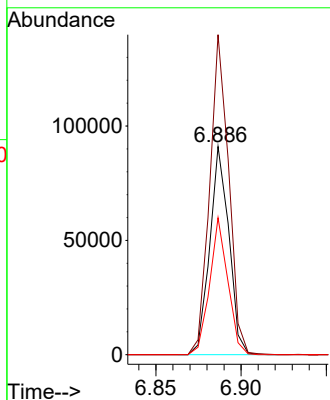
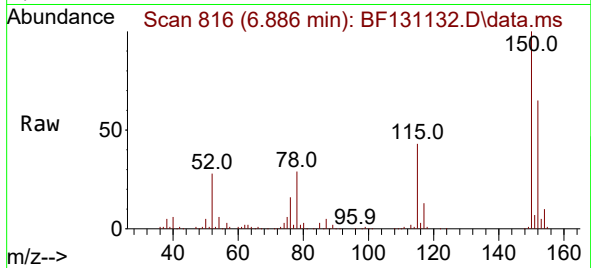




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.886 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

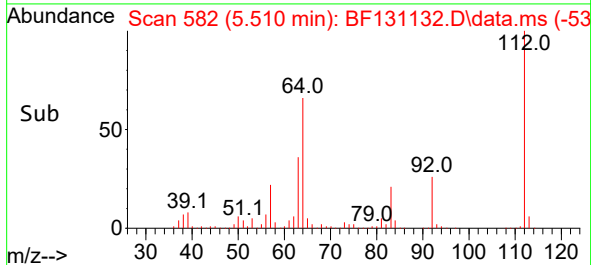
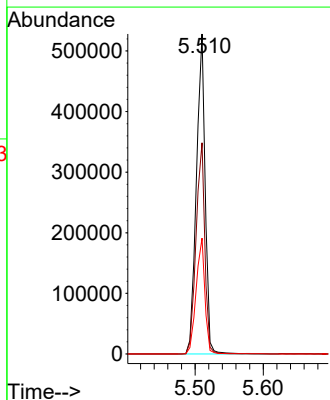
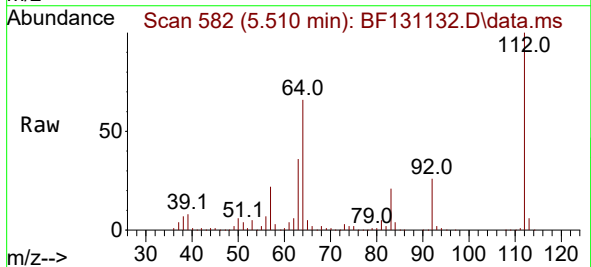
Instrument :  
BNA\_F  
ClientSampleId :  
R20-3

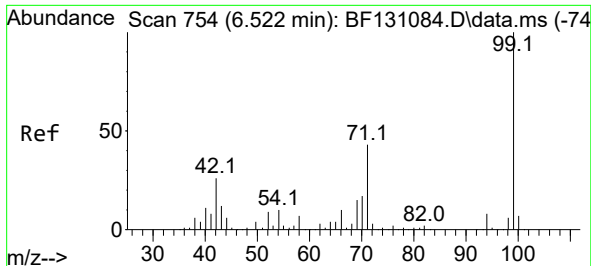
Tgt Ion:152 Resp: 70874  
Ion Ratio Lower Upper  
152 100  
150 153.7 125.5 188.3  
115 65.8 52.2 78.2



#5  
2-Fluorophenol  
Concen: 112.822 ng  
RT: 5.510 min Scan# 582  
Delta R.T. 0.006 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

Tgt Ion:112 Resp: 470192  
Ion Ratio Lower Upper  
112 100  
64 66.0 55.1 82.7  
63 36.2 32.4 48.6

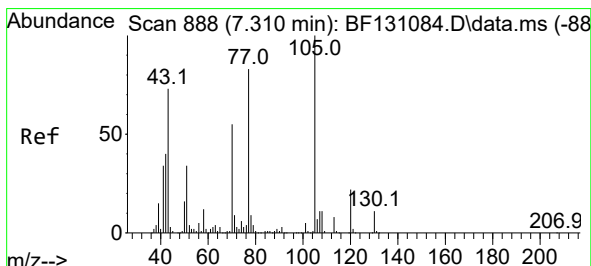
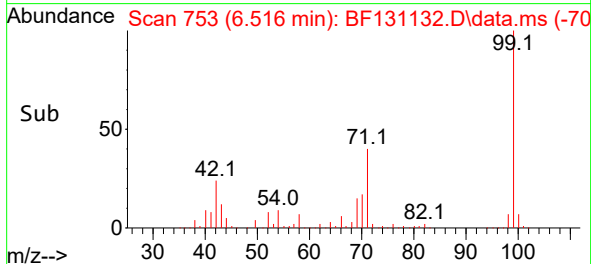
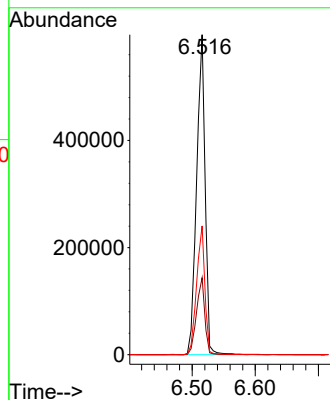
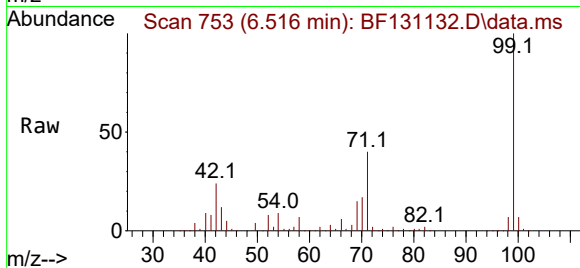




#7  
Phenol-d6  
Concen: 102.852 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

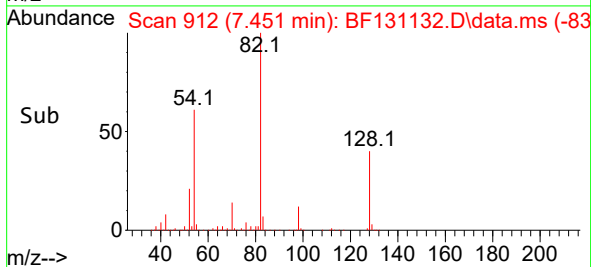
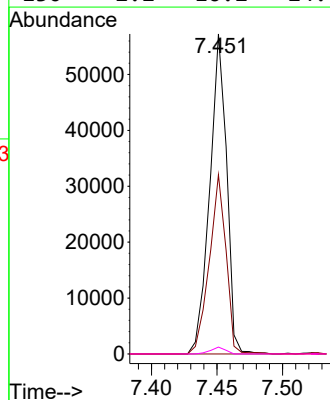
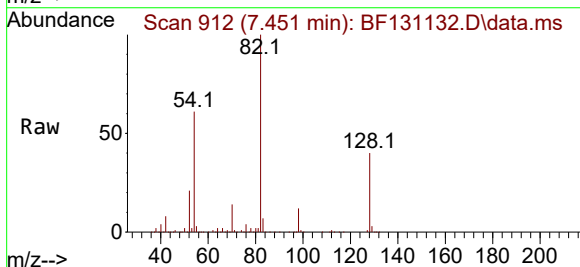
Instrument :  
BNA\_F  
ClientSampleId :  
R20-3

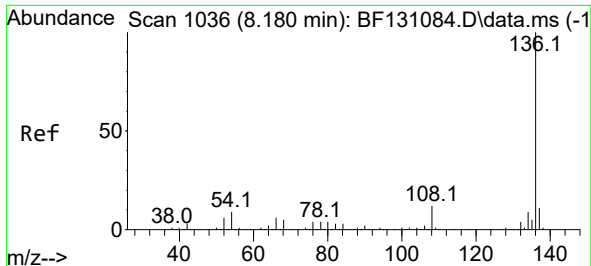
Tgt Ion: 99 Resp: 560392  
Ion Ratio Lower Upper  
99 100  
42 24.0 20.8 31.2  
71 40.3 34.2 51.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.362 ng  
RT: 7.451 min Scan# 912  
Delta R.T. 0.141 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

Tgt Ion: 70 Resp: 51379  
Ion Ratio Lower Upper  
70 100  
42 56.0 58.3 87.5#  
101 0.0 7.4 11.2#  
130 2.2 16.2 24.4#

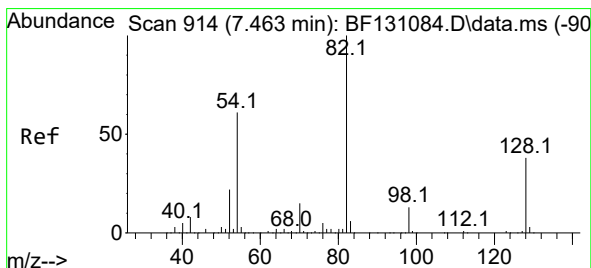
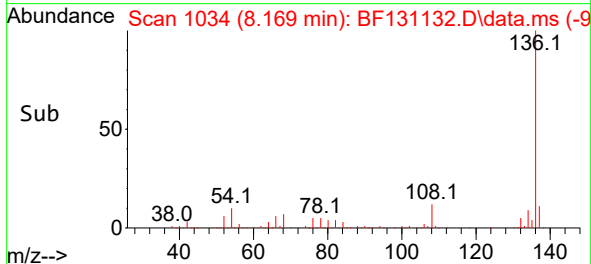
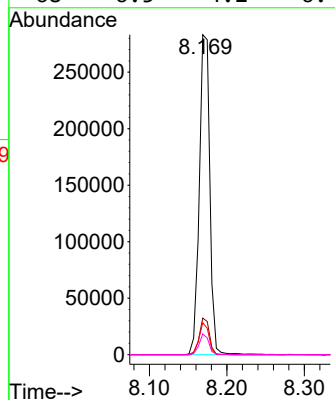
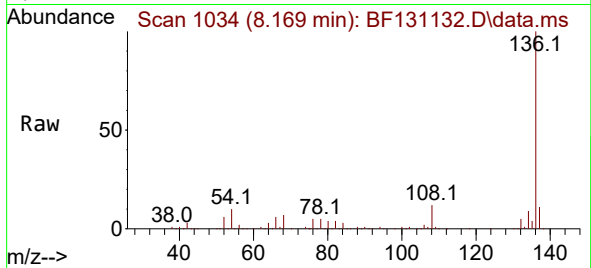




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.011 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

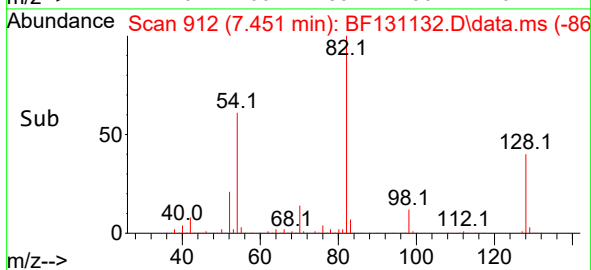
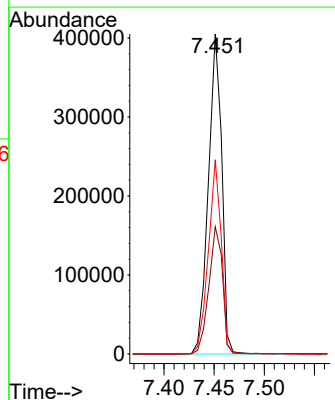
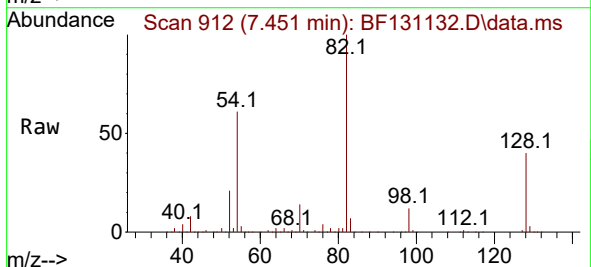
Instrument :  
BNA\_F  
ClientSampleId :  
R20-3

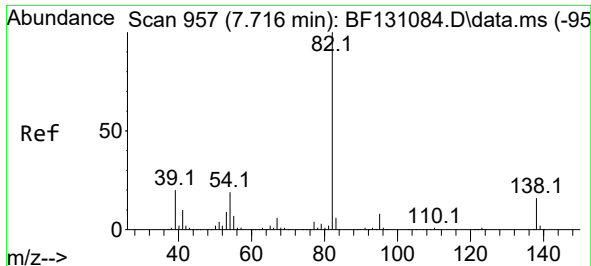
Tgt Ion:136 Resp: 267159  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.6 12.8  
54 10.0 7.2 10.8  
68 6.5 4.2 6.4#



#23  
Nitrobenzene-d5  
Concen: 63.657 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.012 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

Tgt Ion: 82 Resp: 376927  
Ion Ratio Lower Upper  
82 100  
128 39.7 30.5 45.7  
54 60.7 49.1 73.7

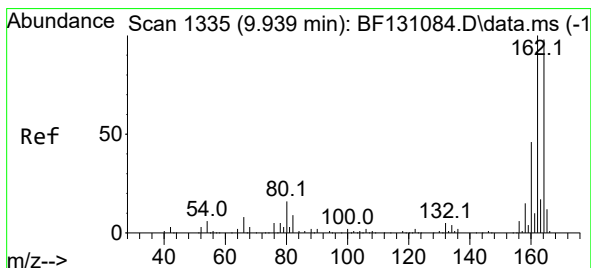
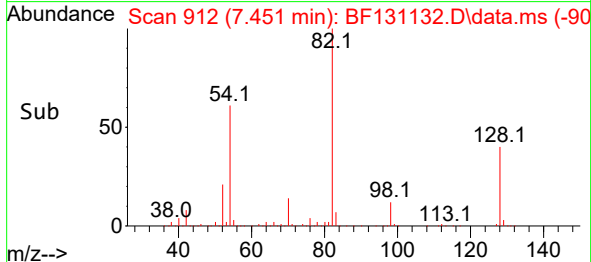
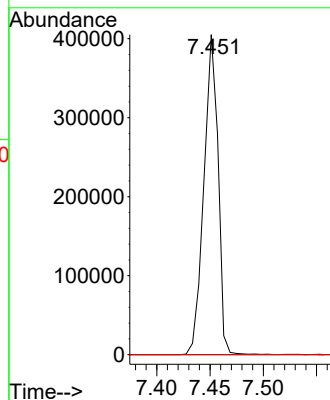
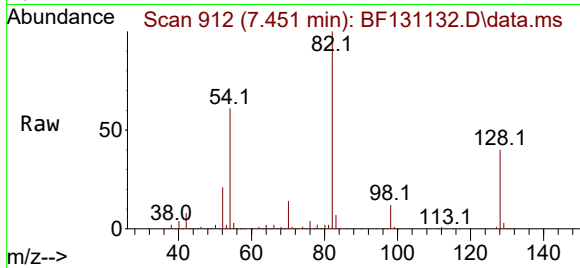




#25  
Isophorone  
Concen: 41.176 ng  
RT: 7.451 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

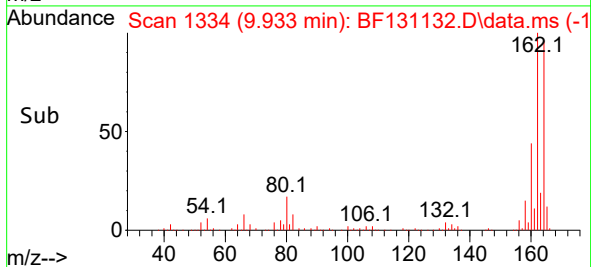
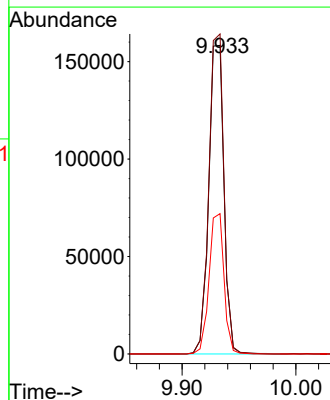
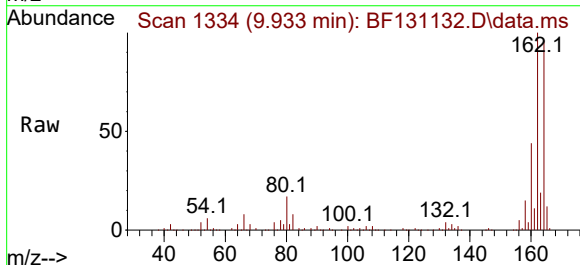
Instrument :  
BNA\_F  
ClientSampleId :  
R20-3

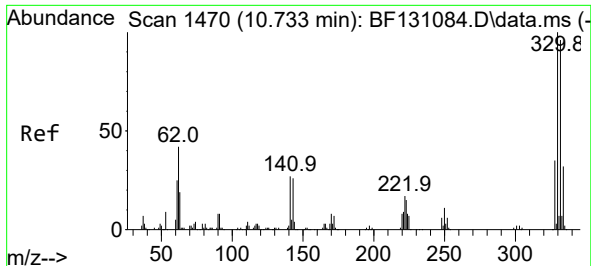
Tgt Ion: 82 Resp: 376986  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

Tgt Ion:164 Resp: 146992  
Ion Ratio Lower Upper  
164 100  
162 103.7 81.7 122.5  
160 45.4 37.4 56.2

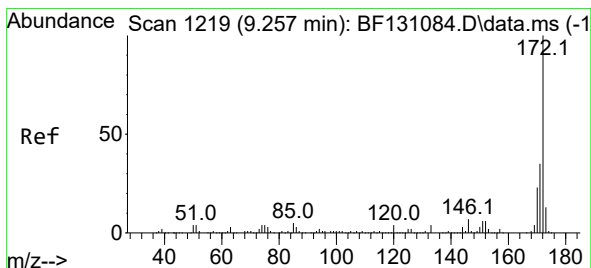
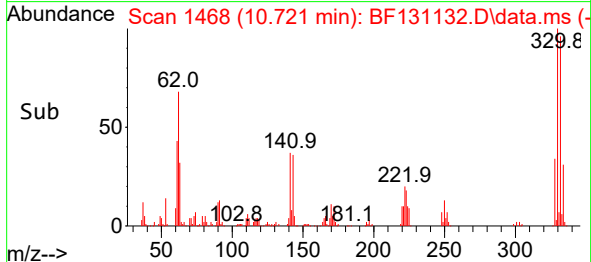
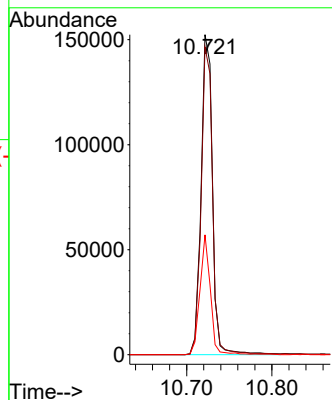
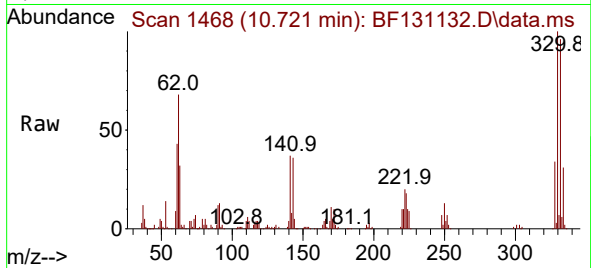




#42  
2,4,6-Tribromophenol  
Concen: 93.091 ng  
RT: 10.721 min Scan# 1468  
Delta R.T. -0.012 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

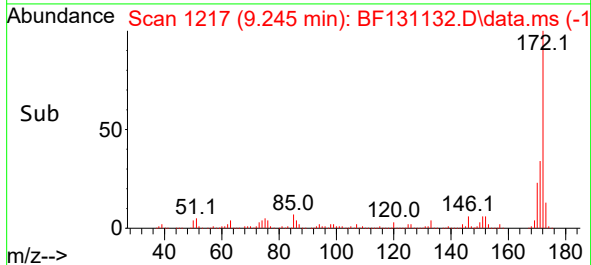
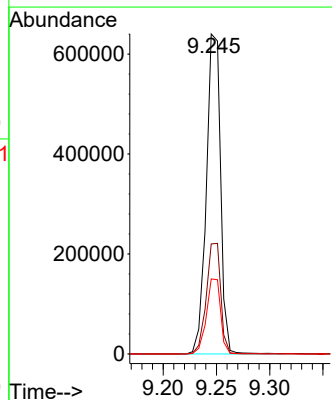
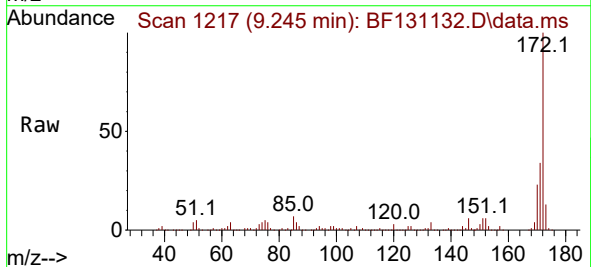
Instrument :  
BNA\_F  
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R20-3

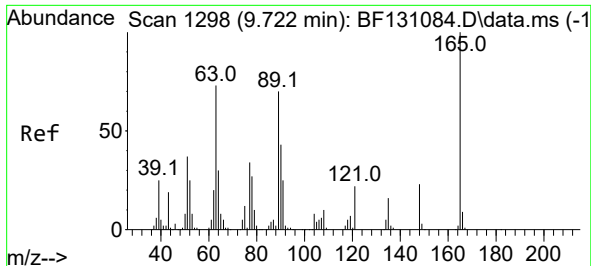
Tgt Ion: 330 Resp: 141417  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.0 115.4  
141 34.6 28.5 42.7



#45  
2-Fluorobiphenyl  
Concen: 56.774 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.012 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

Tgt Ion: 172 Resp: 597810  
Ion Ratio Lower Upper  
172 100  
171 34.4 27.7 41.5  
170 23.4 18.8 28.2

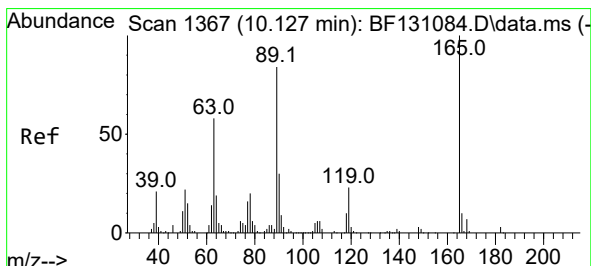
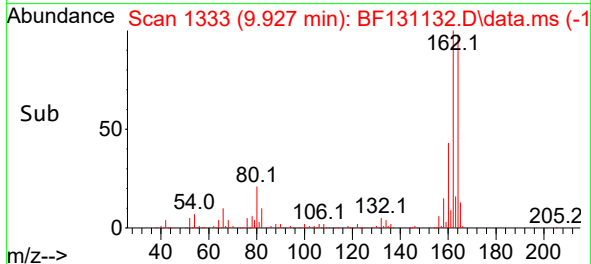
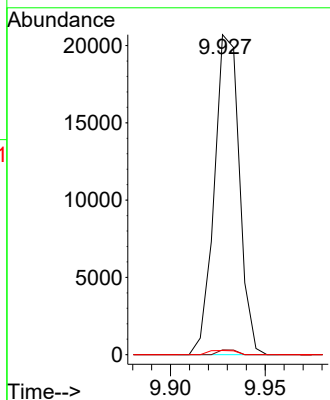
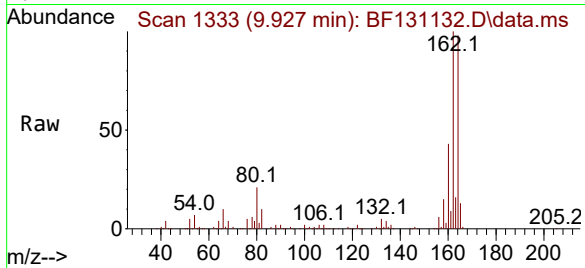




#51  
2,6-Dinitrotoluene  
Concen: 8.299 ng  
RT: 9.927 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

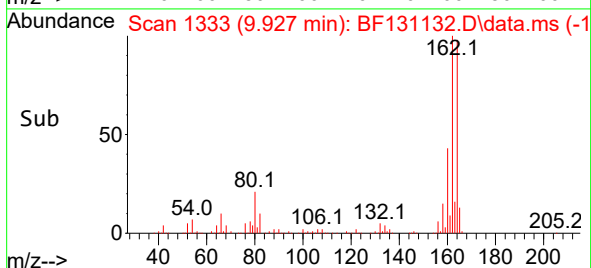
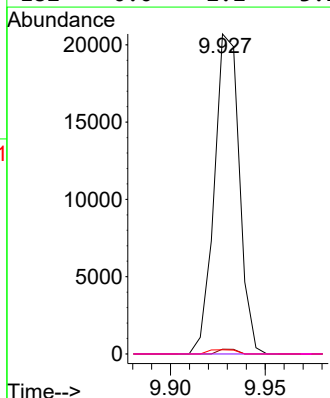
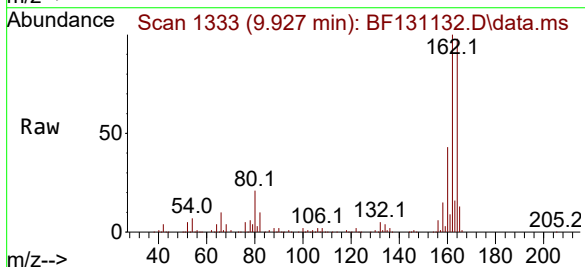
Instrument :  
BNA\_F  
ClientSampleId :  
R20-3

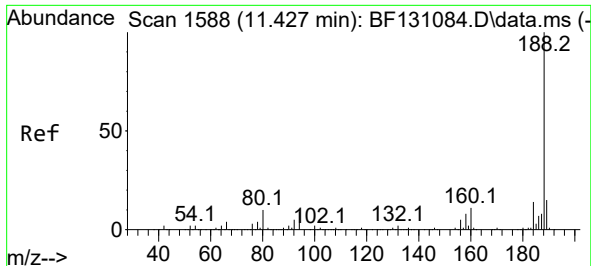
Tgt Ion:165 Resp: 19069  
Ion Ratio Lower Upper  
165 100  
63 1.5 61.4 92.2#  
89 1.3 56.0 84.0#



#57  
2,4-Dinitrotoluene  
Concen: 6.243 ng  
RT: 9.927 min Scan# 1333  
Delta R.T. -0.200 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

Tgt Ion:165 Resp: 19069  
Ion Ratio Lower Upper  
165 100  
63 1.5 46.9 70.3#  
89 1.3 66.9 100.3#  
182 0.0 2.2 3.2#

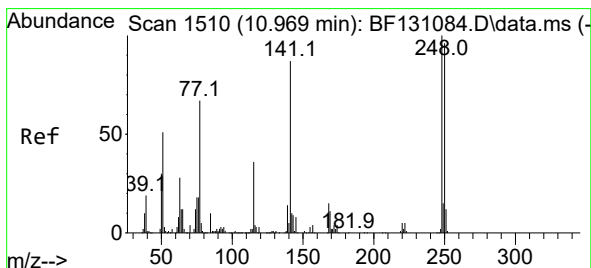
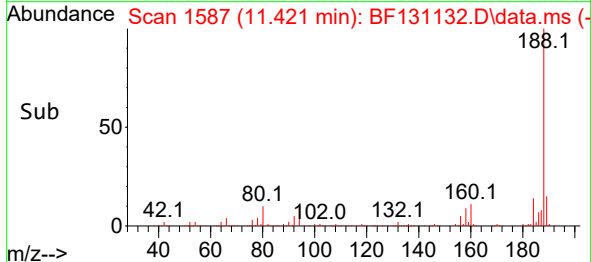
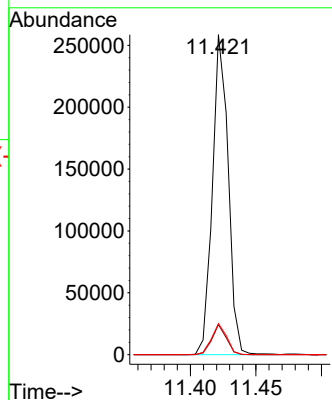
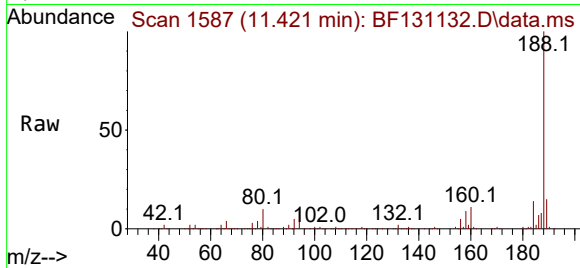




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.421 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

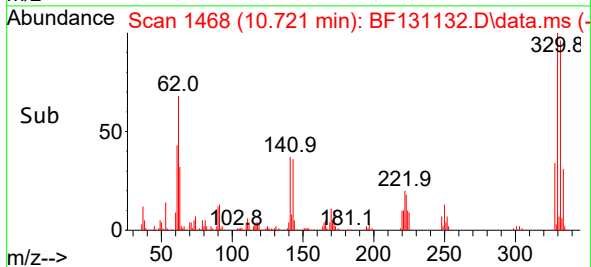
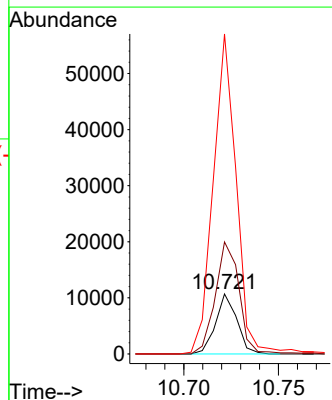
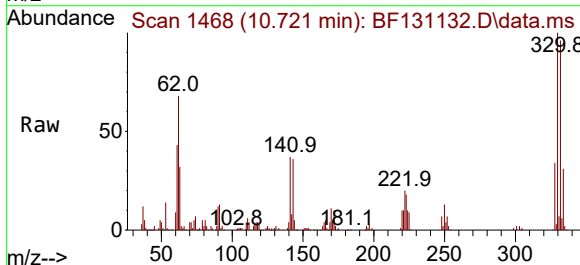
Instrument :  
BNA\_F  
ClientSampleId :  
R20-3

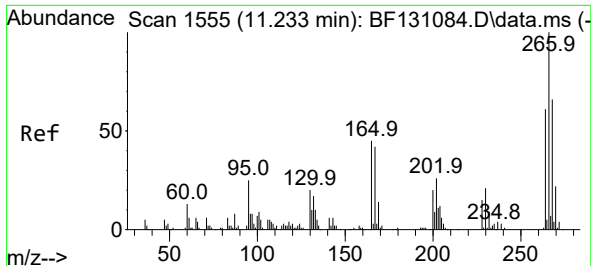
Tgt Ion:188 Resp: 216537  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.0 10.6  
80 9.7 7.9 11.9



#67  
4-Bromophenyl-phenylether  
Concen: 3.414 ng  
RT: 10.721 min Scan# 1468  
Delta R.T. -0.247 min  
Lab File: BF131132.D  
Acq: 10 Nov 2022 20:08

Tgt Ion:248 Resp: 8359  
Ion Ratio Lower Upper  
248 100  
250 186.4 77.0 115.6#  
141 532.7 69.7 104.5#

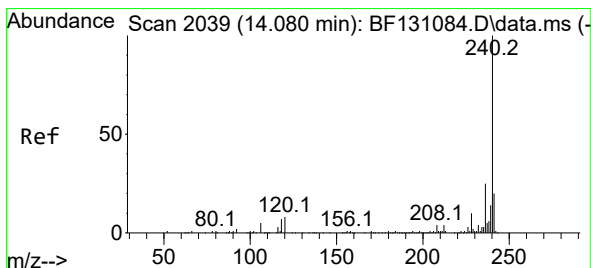
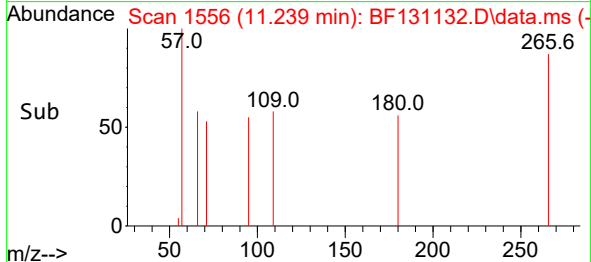
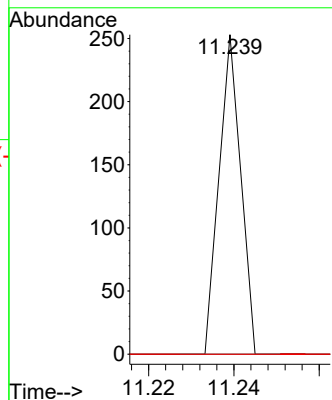
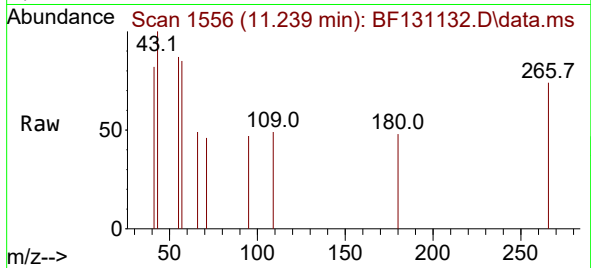




#70  
 Pentachlorophenol  
 Concen: 5.588 ng  
 RT: 11.239 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: BF131132.D  
 Acq: 10 Nov 2022 20:08

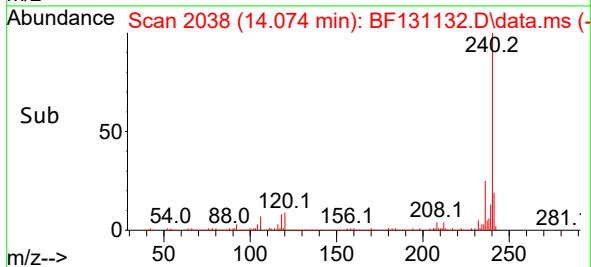
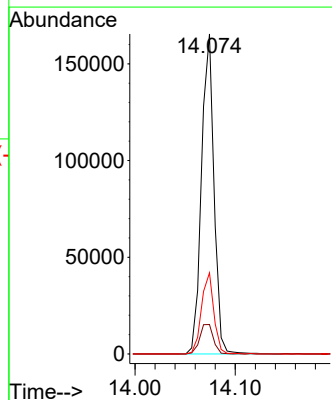
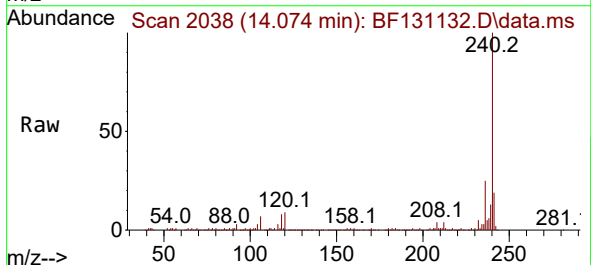
Instrument :  
 BNA\_F  
 ClientSampleId :  
 R20-3

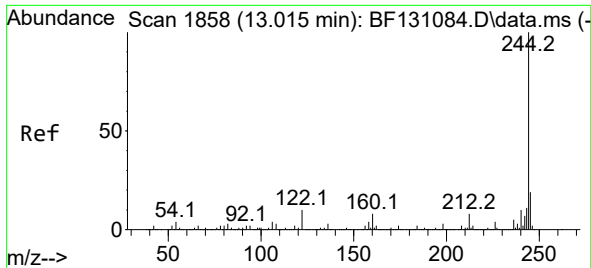
Tgt Ion:266 Resp: 89  
 Ion Ratio Lower Upper  
 266 100  
 268 0.0 52.5 78.7#  
 264 0.0 48.6 72.8#



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.074 min Scan# 2038  
 Delta R.T. -0.006 min  
 Lab File: BF131132.D  
 Acq: 10 Nov 2022 20:08

Tgt Ion:240 Resp: 144112  
 Ion Ratio Lower Upper  
 240 100  
 120 9.2 6.5 9.7  
 236 25.4 19.7 29.5

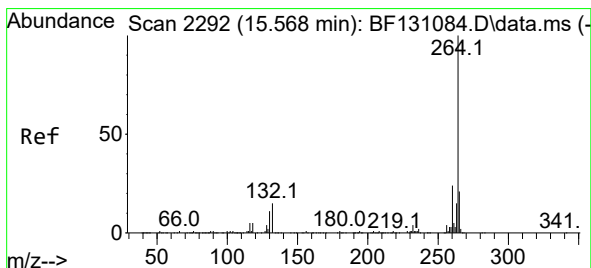
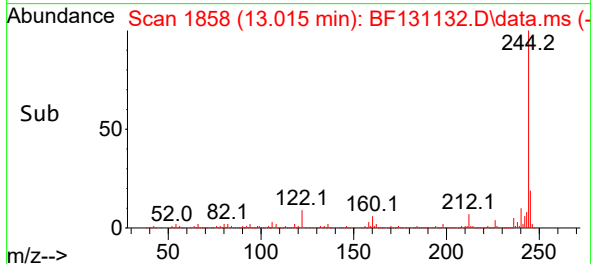
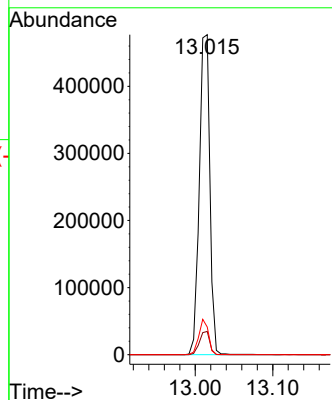
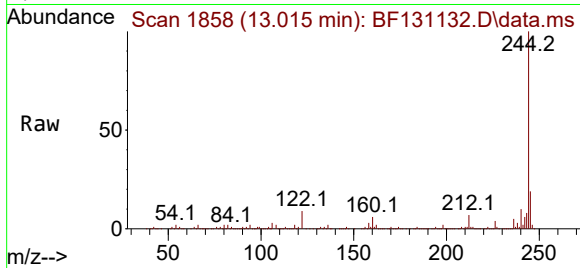




#79  
 Terphenyl-d14  
 Concen: 54.742 ng  
 RT: 13.015 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF131132.D  
 Acq: 10 Nov 2022 20:08

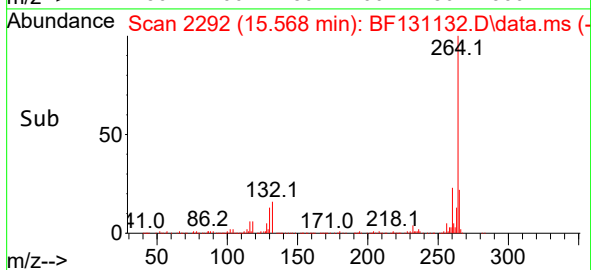
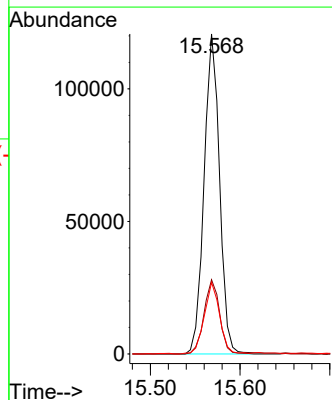
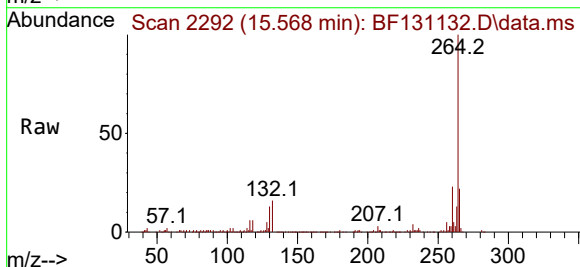
Instrument :  
 BNA\_F  
 ClientSampleId :  
 R20-3

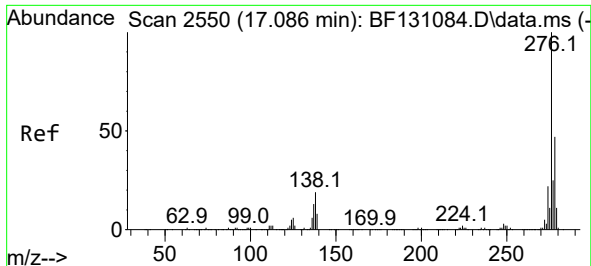
Tgt Ion:244 Resp: 449943  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.2 9.2  
 122 8.6 7.8 11.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.568 min Scan# 2292  
 Delta R.T. 0.000 min  
 Lab File: BF131132.D  
 Acq: 10 Nov 2022 20:08

Tgt Ion:264 Resp: 144655  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.1 28.7  
 265 22.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.286 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.006 min

Lab File: BF131132.D

Acq: 10 Nov 2022 20:08

Instrument :

BNA\_F

ClientSampleId :

R20-3

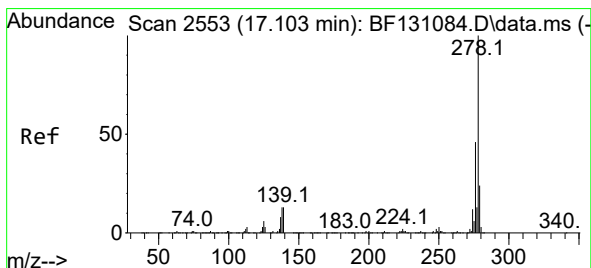
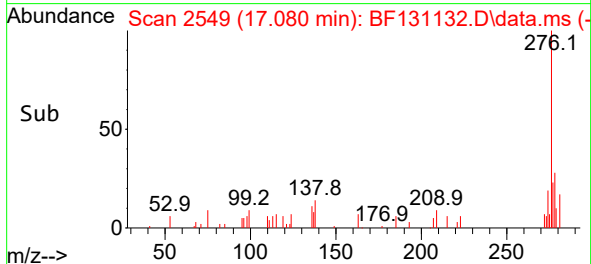
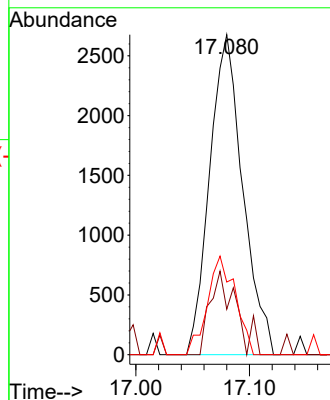
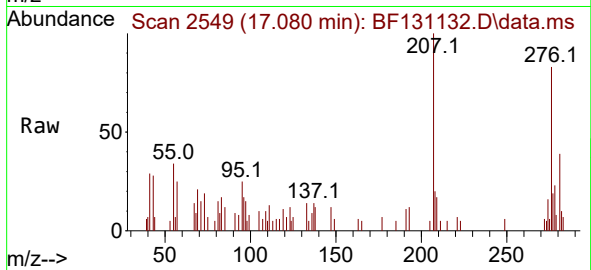
Tgt Ion:276 Resp: 5421

Ion Ratio Lower Upper

276 100

138 20.6 16.9 25.3

277 25.9 20.3 30.5



#91

Dibenzo(a,h)anthracene

Concen: 4.042 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.023 min

Lab File: BF131132.D

Acq: 10 Nov 2022 20:08

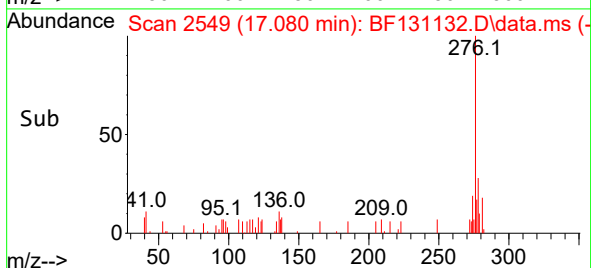
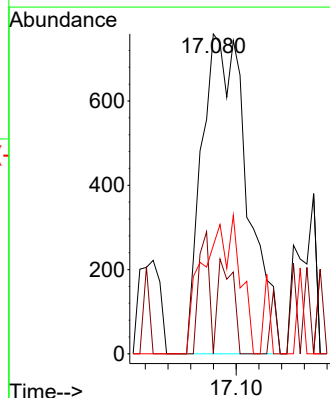
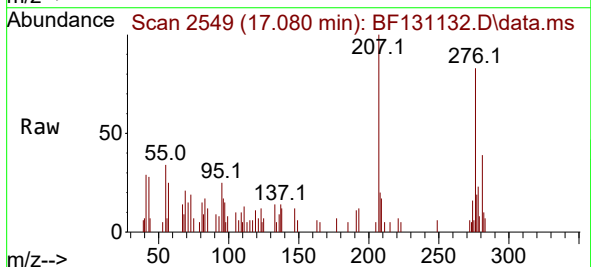
Tgt Ion:278 Resp: 2111

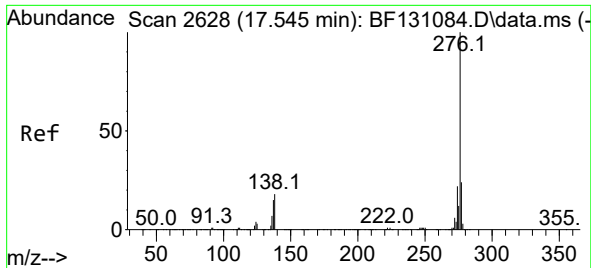
Ion Ratio Lower Upper

278 100

139 0.0 10.8 16.2#

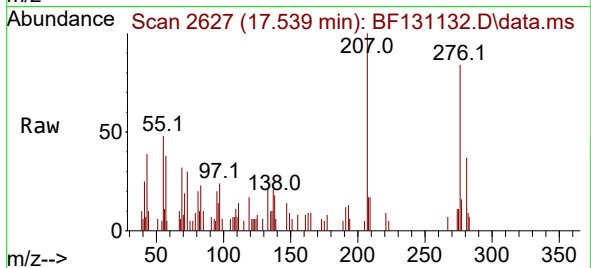
279 33.9 19.2 28.8#





#92  
 Benzo(g,h,i)perylene  
 Concen: 4.839 ng  
 RT: 17.539 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: BF131132.D  
 Acq: 10 Nov 2022 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R20-3



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 5295  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 18.6  | 19.0  | 28.4# |
| 138       | 21.1  | 14.6  | 21.8  |

