

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121721\  
 Data File : BF126230.D  
 Acq On : 17 Dec 2021 12:23  
 Operator : JU/CG  
 Sample : M5083-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 17 12:44:01 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 16 12:22:48 2021  
 Response via : Initial Calibration

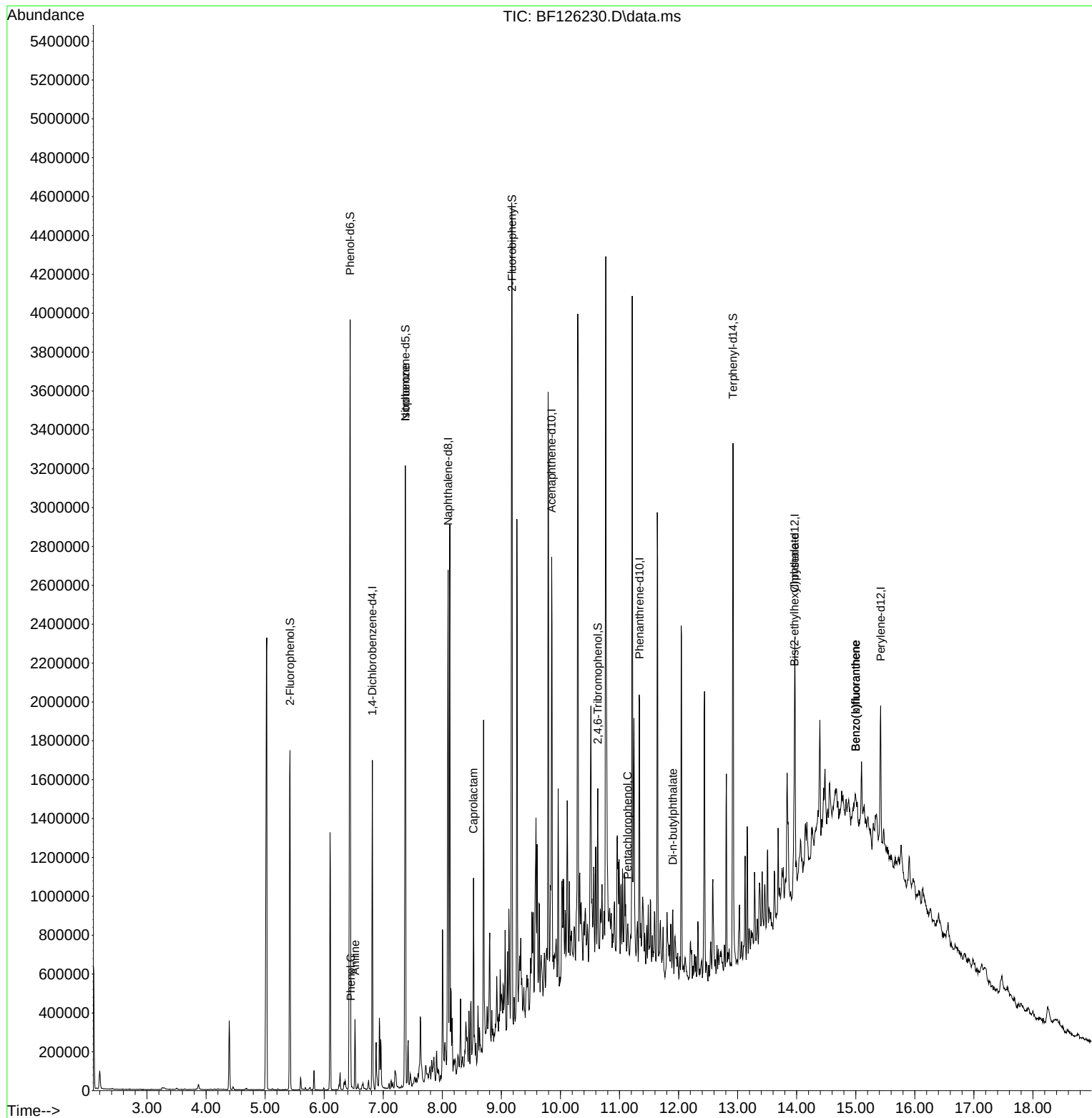
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 221081   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 926826   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.851  | 164  | 401436   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.339 | 188  | 526275   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.968 | 240  | 331812   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.421 | 264  | 336315   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 498559   | 33.210 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.439  | 99   | 1634393  | 85.741 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.375  | 82   | 1146447  | 66.993 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 32212    | 9.985  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.180  | 172  | 1411619  | 61.674 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.921 | 244  | 875498   | 45.861 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 6) Aniline                    | 6.522  | 93   | 73649    | 3.042  | ng    | # 48     |
| 10) Phenol                    | 6.451  | 94   | 49524    | 2.315  | ng    | 85       |
| 25) Isophorone                | 7.375  | 82   | 1106286  | 34.233 | ng    | # 59     |
| 35) Caprolactam               | 8.528  | 113  | 7849     | 2.717  | ng    | # 1      |
| 70) Pentachlorophenol         | 11.139 | 266  | 10347    | 3.283  | ng    | 93       |
| 74) Di-n-butylphthalate       | 11.904 | 149  | 69724    | 2.142  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 13.962 | 149  | 75852    | 4.732  | ng    | # 100    |
| 88) Benzo(b)fluoranthene      | 14.998 | 252  | 47308    | 2.341  | ng    | # 9      |
| 89) Benzo(k)fluoranthene      | 14.998 | 252  | 47308    | 2.447  | ng    | # 21     |
| -----                         |        |      |          |        |       |          |

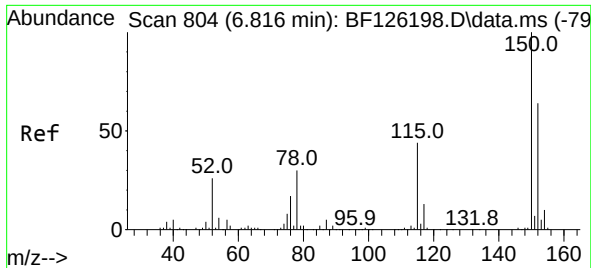
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121721\  
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Operator : JU/CG  
Sample : M5083-05  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

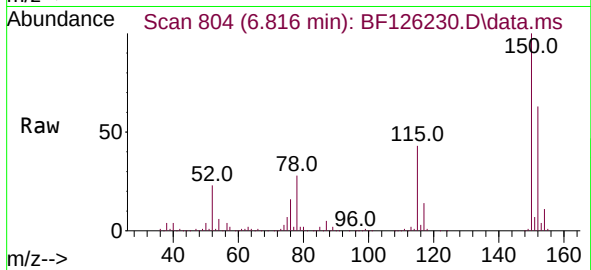
Quant Time: Dec 17 12:44:01 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 16 12:22:48 2021  
Response via : Initial Calibration



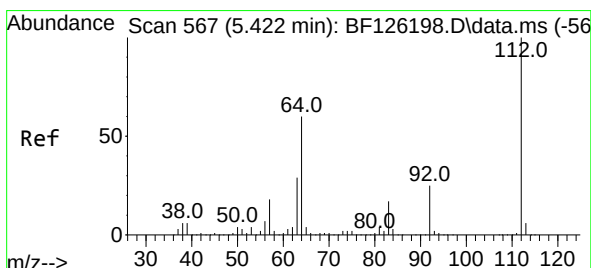
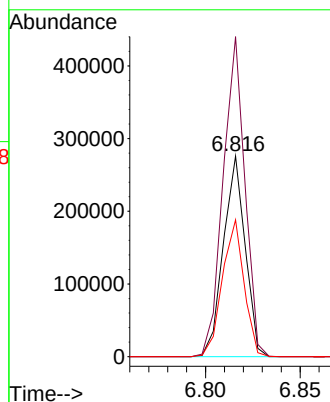
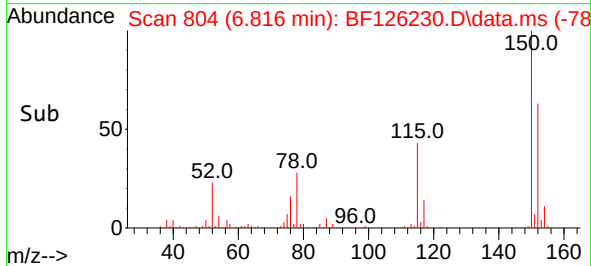


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 804  
Delta R.T. -0.000 min  
Lab File: BF126230.D  
Acq: 17 Dec 2021 12:23

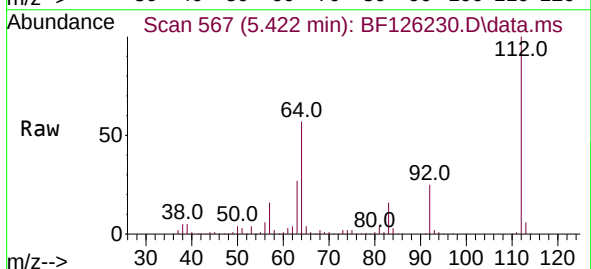
Instrument :  
BNA\_M  
ClientSampleId :



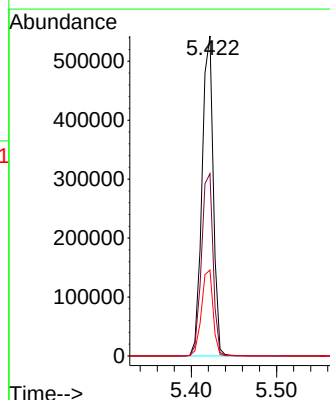
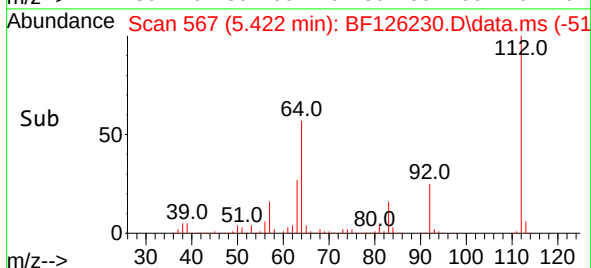
Tgt Ion:152 Resp: 221081  
Ion Ratio Lower Upper  
152 100  
150 159.5 117.6 176.4  
115 68.2 47.1 70.7

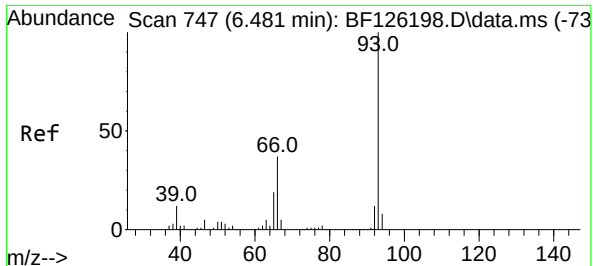


#5  
2-Fluorophenol  
Concen: 33.210 ng  
RT: 5.422 min Scan# 567  
Delta R.T. 0.000 min  
Lab File: BF126230.D  
Acq: 17 Dec 2021 12:23



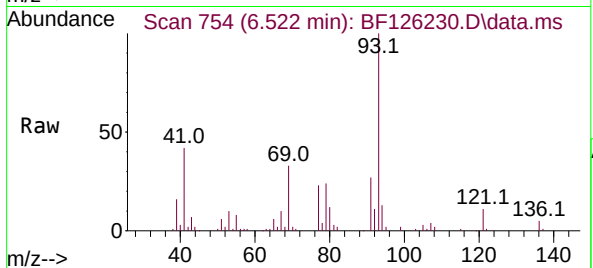
Tgt Ion:112 Resp: 498559  
Ion Ratio Lower Upper  
112 100  
64 57.0 44.2 66.2  
63 26.8 26.2 39.2



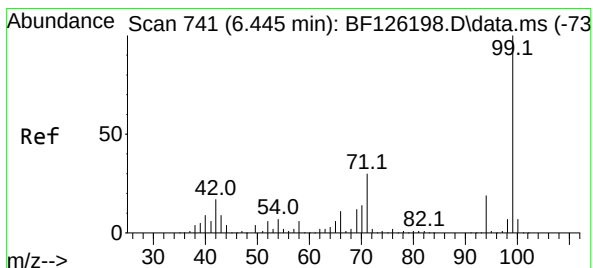
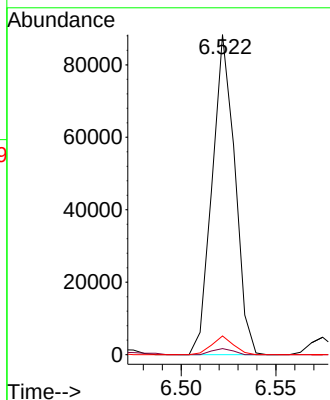
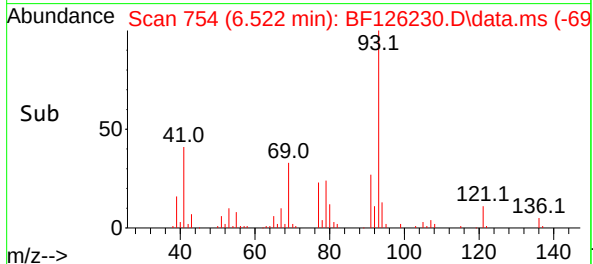


#6  
Aniline  
Concen: 3.042 ng  
RT: 6.522 min Scan# 747  
Delta R.T. 0.041 min  
Lab File: BF126230.D  
Acq: 17 Dec 2021 12:23

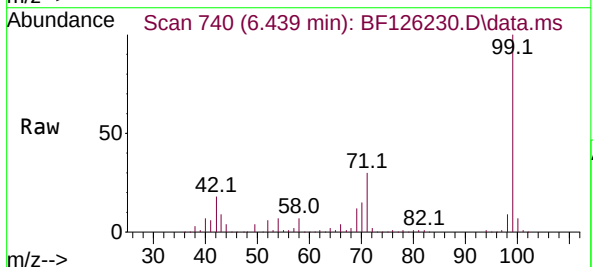
Instrument :  
BNA\_M  
ClientSampleId :



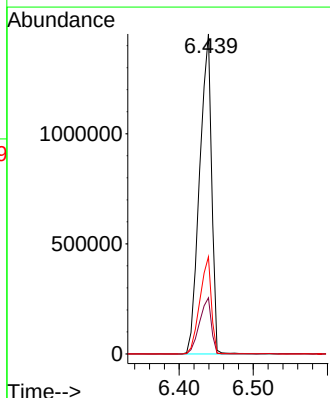
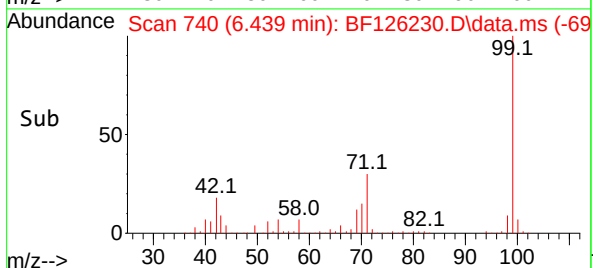
Tgt Ion: 93 Resp: 73649  
Ion Ratio Lower Upper  
93 100  
66 1.9 32.7 49.1#  
65 5.8 14.2 21.4#

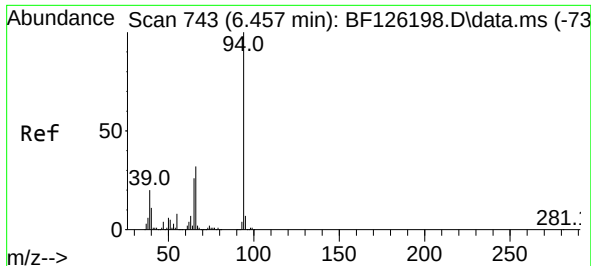


#7  
Phenol-d6  
Concen: 85.741 ng  
RT: 6.439 min Scan# 740  
Delta R.T. -0.006 min  
Lab File: BF126230.D  
Acq: 17 Dec 2021 12:23



Tgt Ion: 99 Resp: 1634393  
Ion Ratio Lower Upper  
99 100  
42 17.6 23.5 35.3#  
71 30.3 25.6 38.4

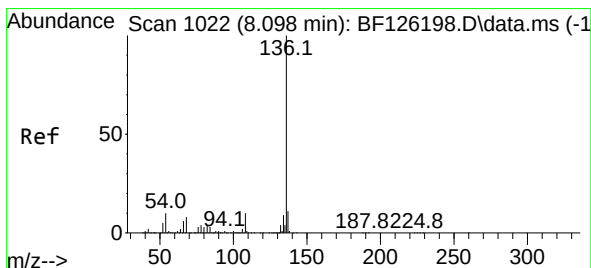
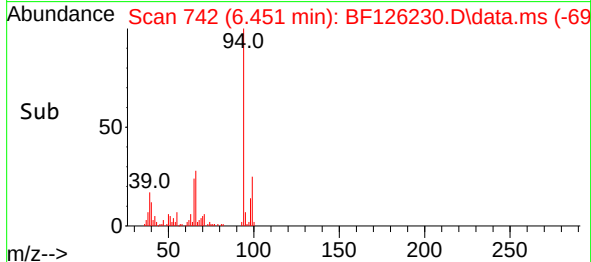
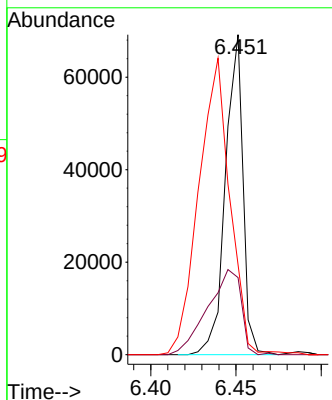
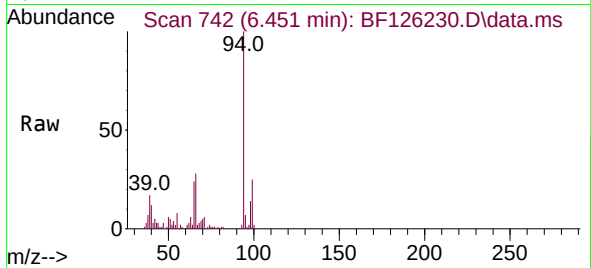




#10  
Phenol  
Concen: 2.315 ng  
RT: 6.451 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF126230.D  
Acq: 17 Dec 2021 12:23

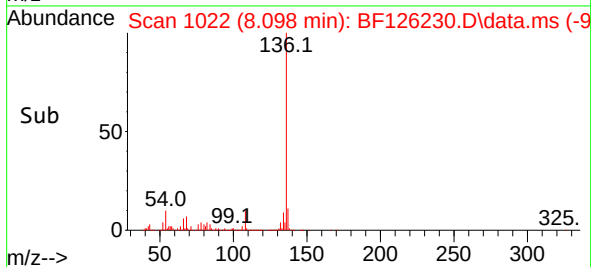
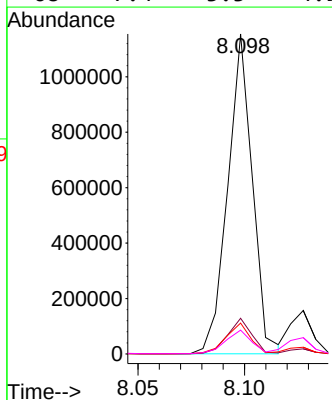
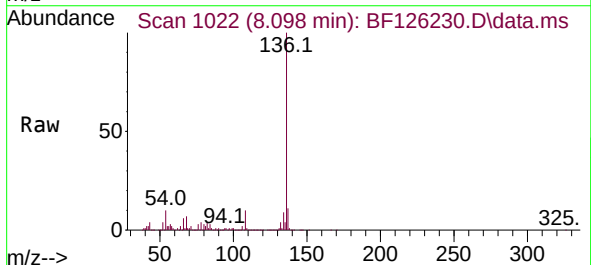
Instrument :  
BNA\_M  
ClientSampleId :

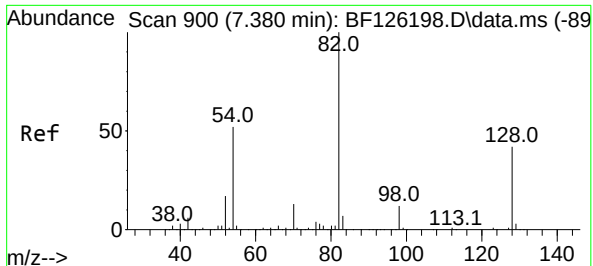
Tgt Ion: 94 Resp: 49524  
Ion Ratio Lower Upper  
94 100  
65 24.1 9.3 49.3  
66 28.2 20.3 60.3



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: BF126230.D  
Acq: 17 Dec 2021 12:23

Tgt Ion: 136 Resp: 926826  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.8 14.6  
54 9.6 6.4 9.6#  
68 7.4 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 66.993 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF126230.D

Acq: 17 Dec 2021 12:23

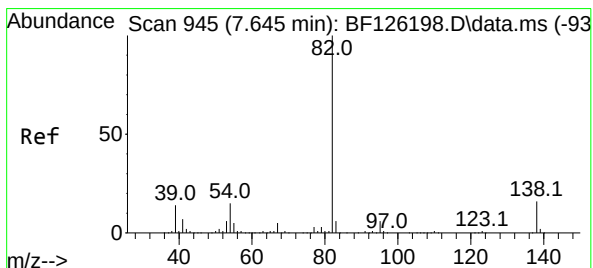
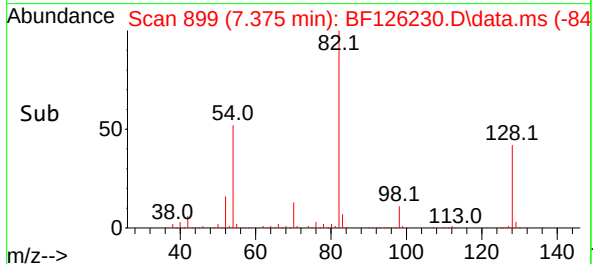
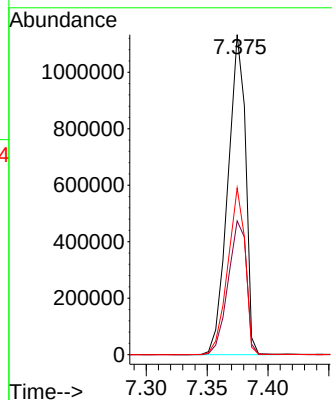
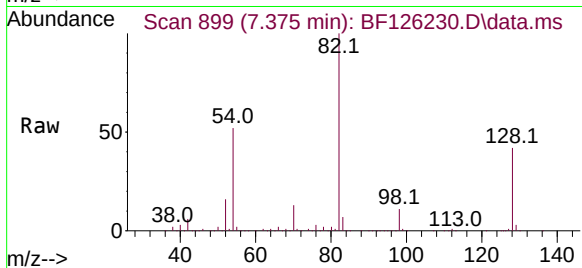
Instrument :

BNA\_M

ClientSampleId :

Tgt Ion: 82 Resp: 1146447

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.8  | 40.6  | 60.8  |
| 54  | 52.1  | 49.6  | 74.4  |



#25

Isophorone

Concen: 34.233 ng

RT: 7.375 min Scan# 899

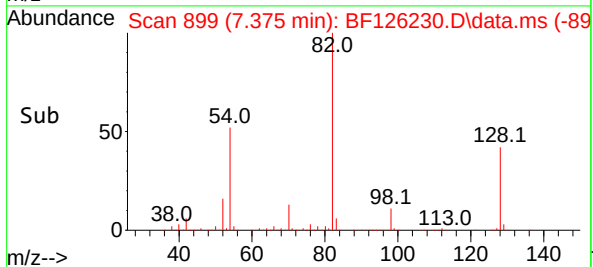
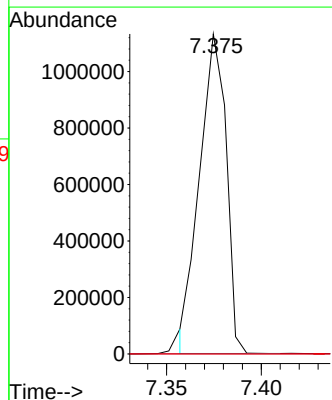
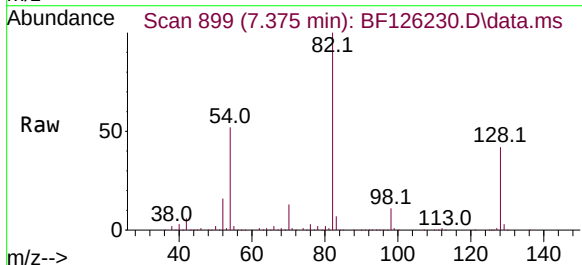
Delta R.T. -0.271 min

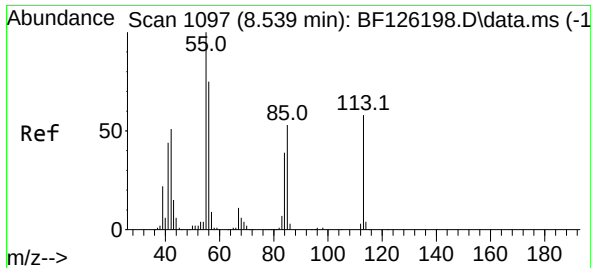
Lab File: BF126230.D

Acq: 17 Dec 2021 12:23

Tgt Ion: 82 Resp: 1106286

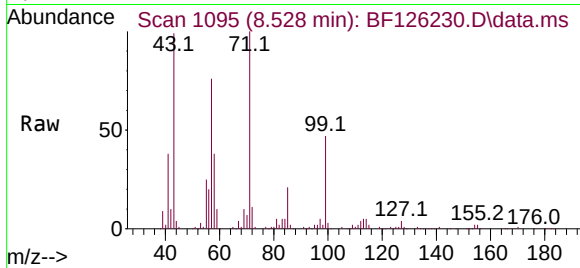
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 0.1   | 6.5   | 9.7#  |
| 138 | 0.0   | 18.4  | 27.6# |



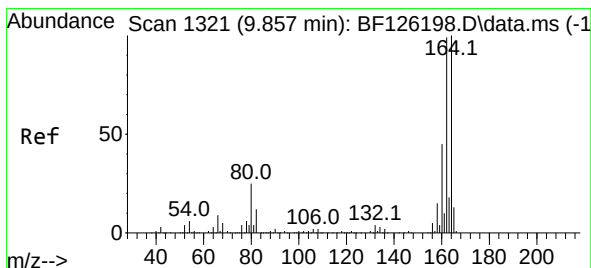
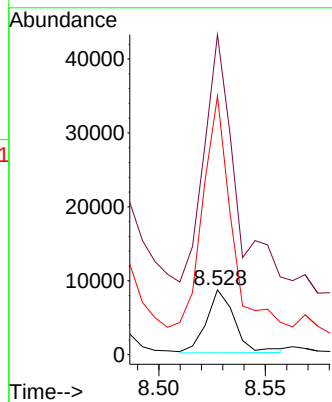
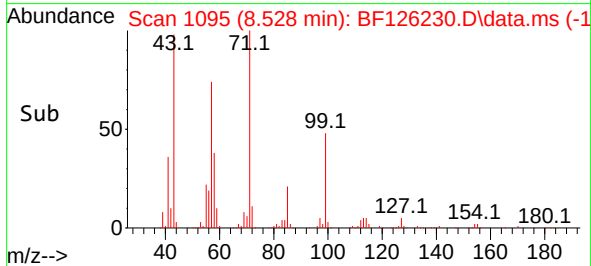


#35  
 Caprolactam  
 Concen: 2.717 ng  
 RT: 8.528 min Scan# 1095  
 Delta R.T. -0.012 min  
 Lab File: BF126230.D  
 Acq: 17 Dec 2021 12:23

Instrument :  
 BNA\_M  
 ClientSampleId :

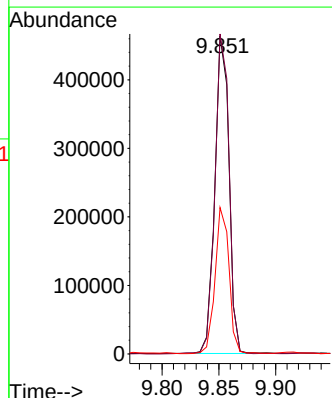
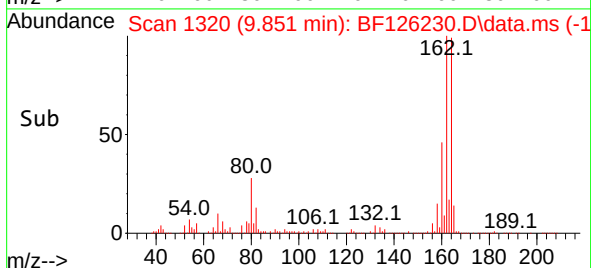
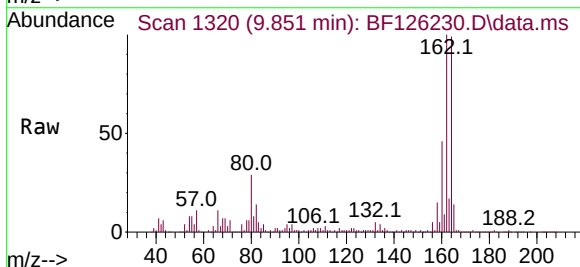


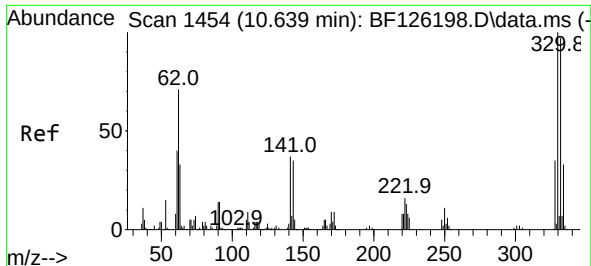
Tgt Ion:113 Resp: 7849  
 Ion Ratio Lower Upper  
 113 100  
 55 494.1 154.1 194.1#  
 56 399.5 108.7 148.7#



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.851 min Scan# 1320  
 Delta R.T. -0.006 min  
 Lab File: BF126230.D  
 Acq: 17 Dec 2021 12:23

Tgt Ion:164 Resp: 401436  
 Ion Ratio Lower Upper  
 164 100  
 162 100.7 81.3 121.9  
 160 46.1 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 9.985 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF126230.D

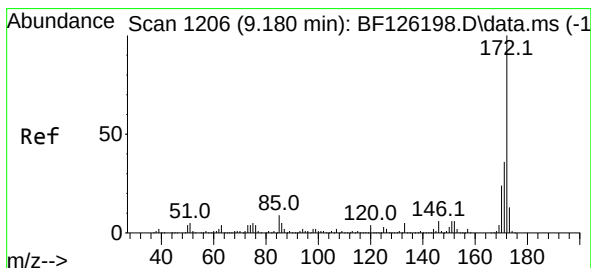
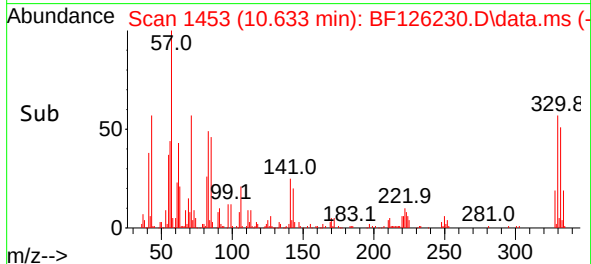
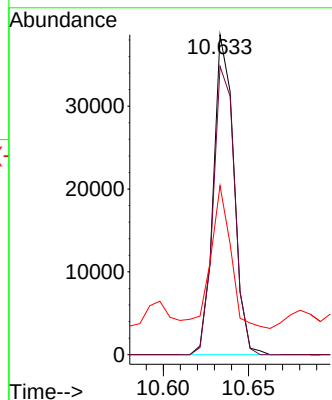
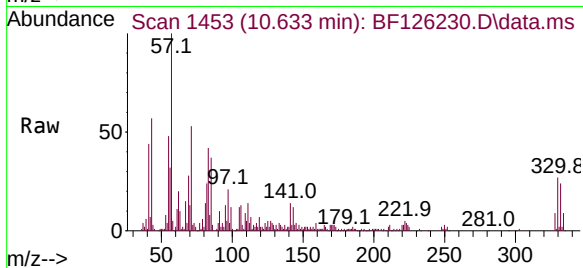
Acq: 17 Dec 2021 12:23

Instrument :

BNA\_M

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:330 | Resp: | 32212      |
| Ion Ratio   | Lower | Upper      |
| 330         | 100   |            |
| 332         | 94.2  | 76.2 114.4 |
| 141         | 43.8  | 44.6 66.8# |



#45

2-Fluorobiphenyl

Concen: 61.674 ng

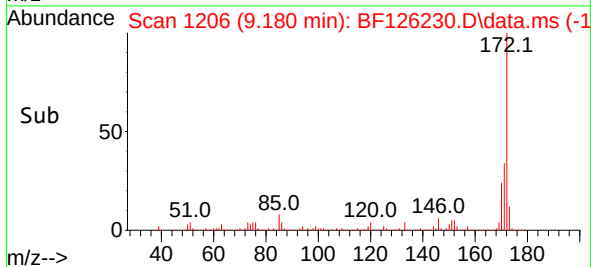
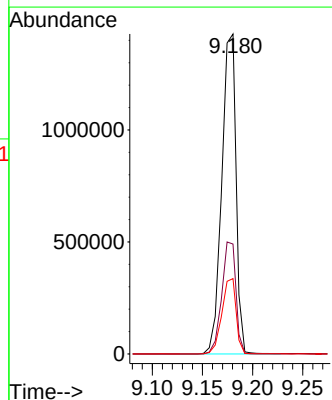
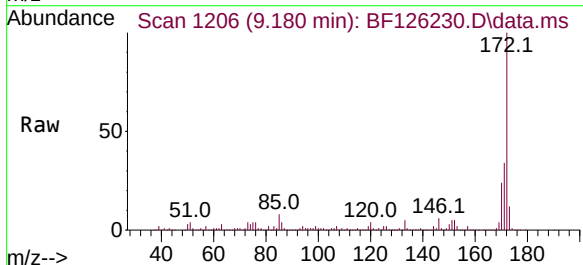
RT: 9.180 min Scan# 1206

Delta R.T. 0.000 min

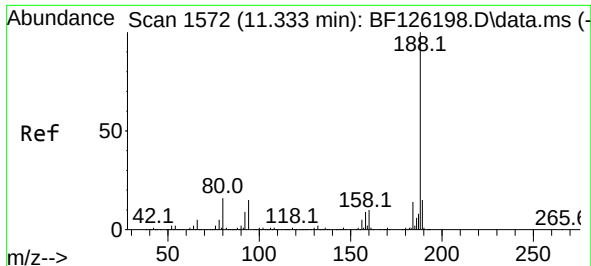
Lab File: BF126230.D

Acq: 17 Dec 2021 12:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 1411619   |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 34.3  | 26.5 39.7 |
| 170         | 23.5  | 18.8 28.2 |



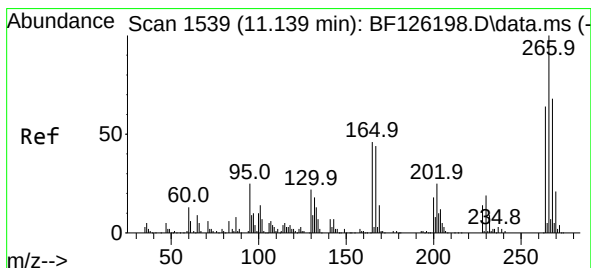
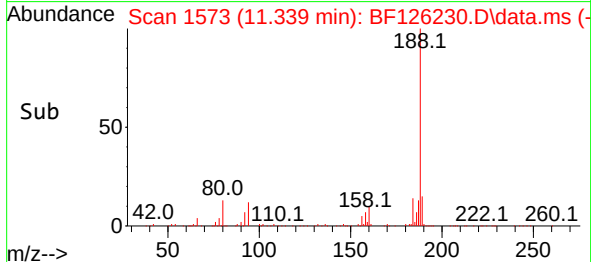
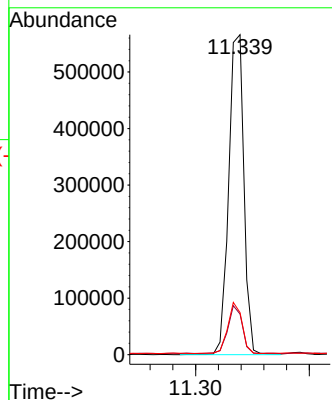
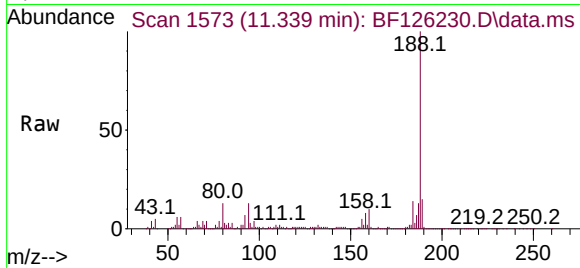




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.339 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF126230.D  
Acq: 17 Dec 2021 12:23

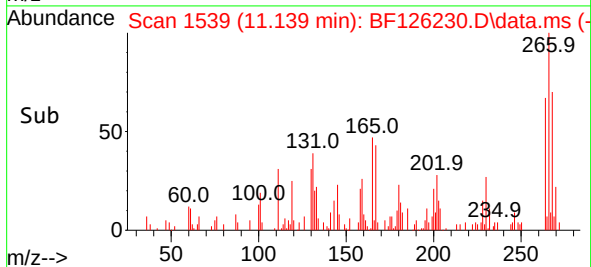
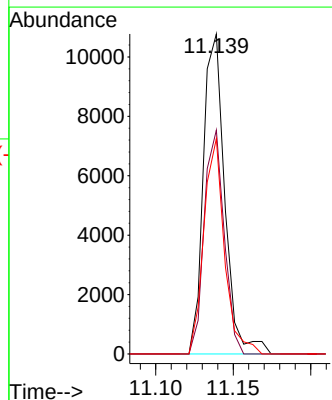
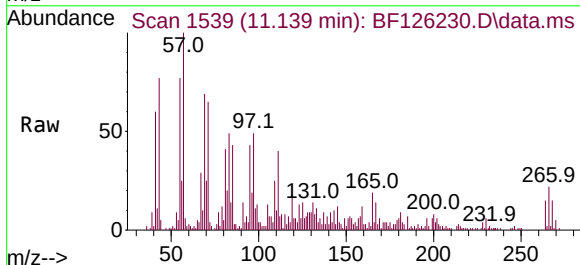
Instrument :  
BNA\_M  
ClientSampleId :

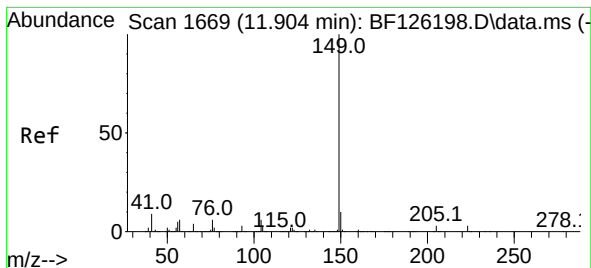
Tgt Ion:188 Resp: 526275  
Ion Ratio Lower Upper  
188 100  
94 12.7 6.7 10.1#  
80 13.2 7.5 11.3#



#70  
Pentachlorophenol  
Concen: 3.283 ng  
RT: 11.139 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: BF126230.D  
Acq: 17 Dec 2021 12:23

Tgt Ion:266 Resp: 10347  
Ion Ratio Lower Upper  
266 100  
268 70.0 48.9 73.3  
264 67.3 55.9 83.9

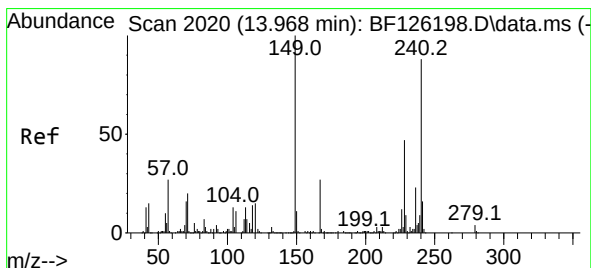
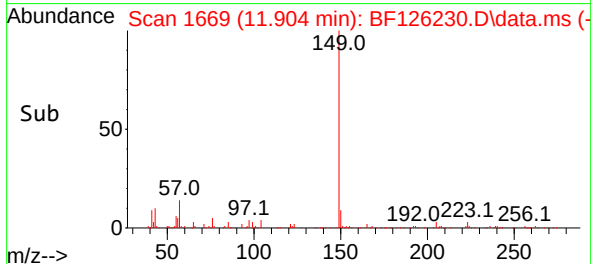
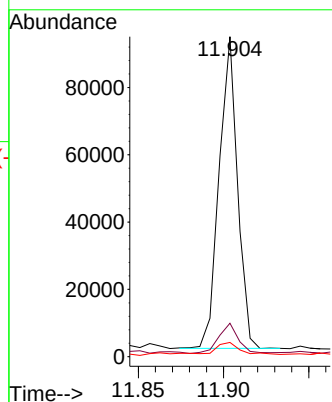
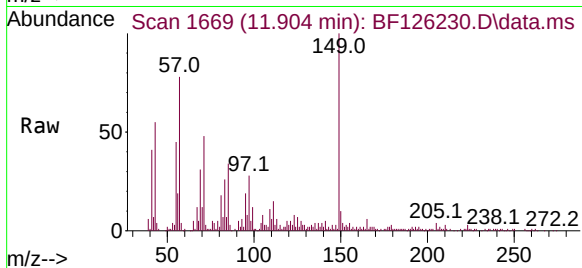




#74  
Di-n-butylphthalate  
Concen: 2.142 ng  
RT: 11.904 min Scan# 1669  
Delta R.T. 0.000 min  
Lab File: BF126230.D  
Acq: 17 Dec 2021 12:23

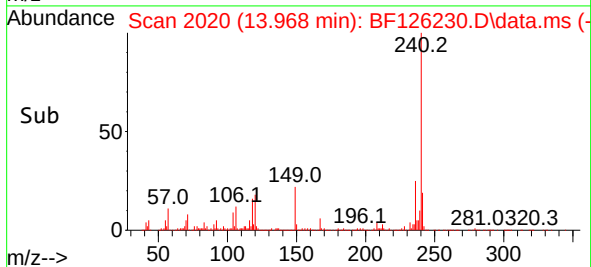
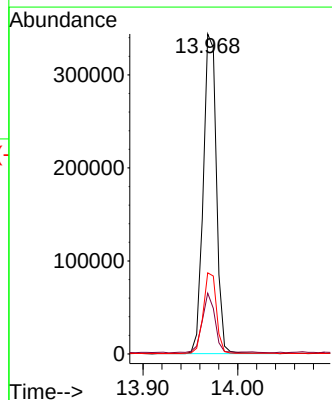
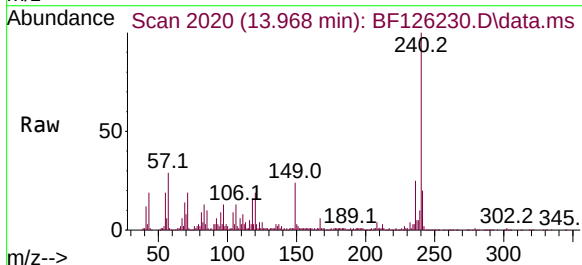
Instrument :  
BNA\_M  
ClientSampleId :

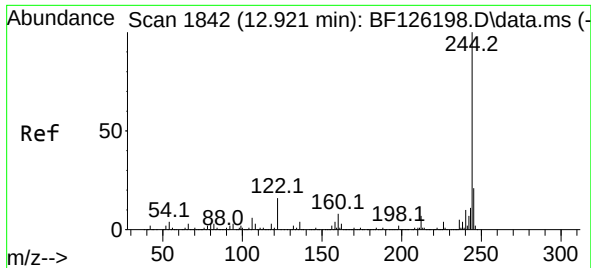
Tgt Ion:149 Resp: 69724  
Ion Ratio Lower Upper  
149 100  
150 10.4 7.4 11.2  
104 4.4 4.1 6.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF126230.D  
Acq: 17 Dec 2021 12:23

Tgt Ion:240 Resp: 331812  
Ion Ratio Lower Upper  
240 100  
120 19.0 10.8 16.2#  
236 25.3 21.6 32.4

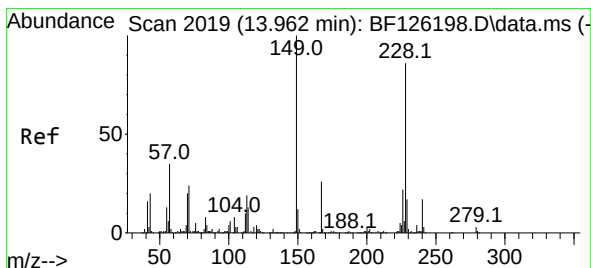
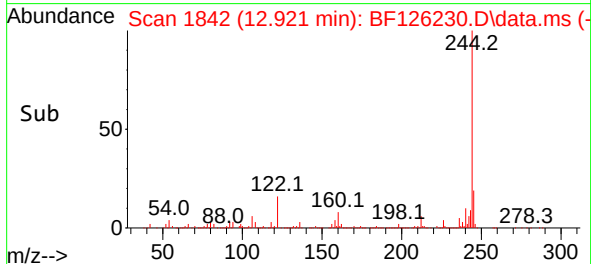
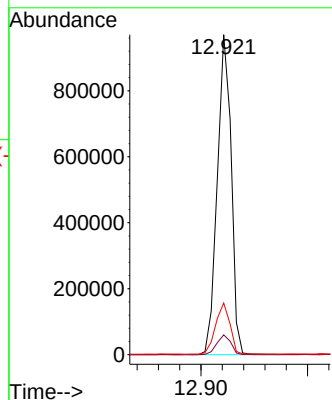
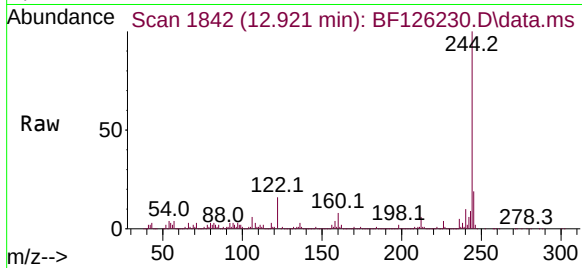




#79  
 Terphenyl-d14  
 Concen: 45.861 ng  
 RT: 12.921 min Scan# 1842  
 Delta R.T. 0.000 min  
 Lab File: BF126230.D  
 Acq: 17 Dec 2021 12:23

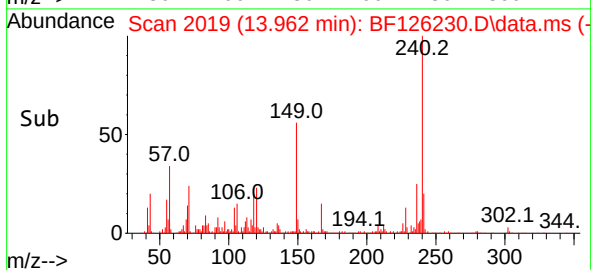
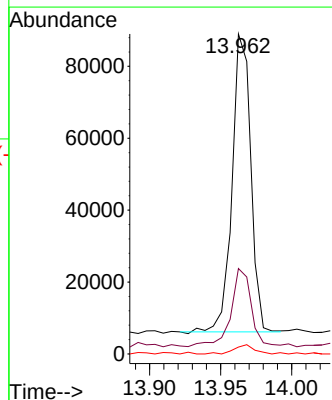
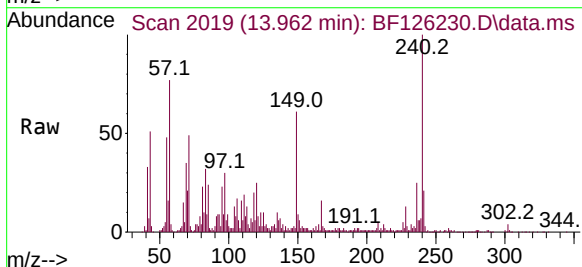
Instrument :  
 BNA\_M  
 ClientSampleId :

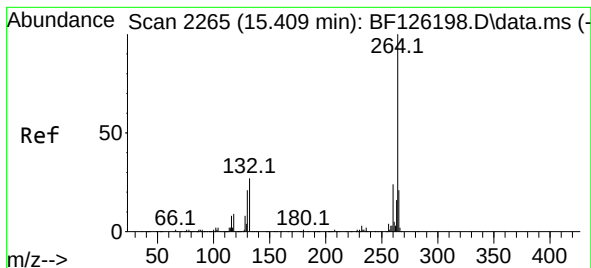
Tgt Ion:244 Resp: 875498  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.9 8.9  
 122 16.2 9.0 13.4#



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 4.732 ng  
 RT: 13.962 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: BF126230.D  
 Acq: 17 Dec 2021 12:23

Tgt Ion:149 Resp: 75852  
 Ion Ratio Lower Upper  
 149 100  
 167 26.7 21.4 32.0  
 279 2.2 2.6 4.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF126230.D

Acq: 17 Dec 2021 12:23

Instrument :

BNA\_M

ClientSampleId :

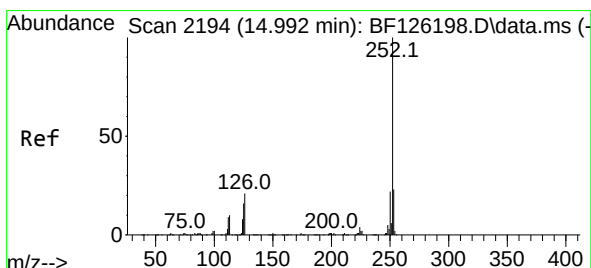
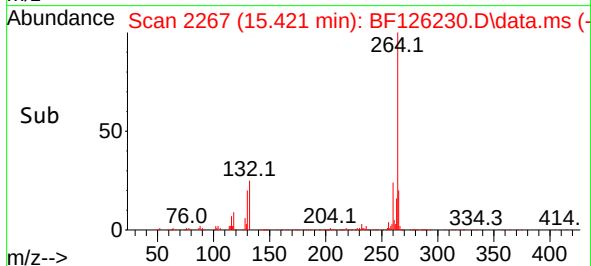
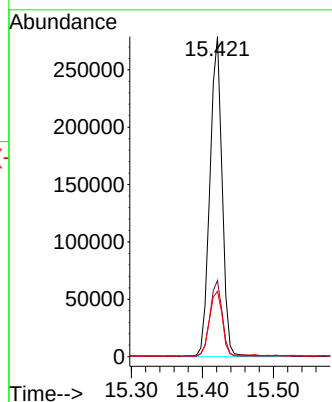
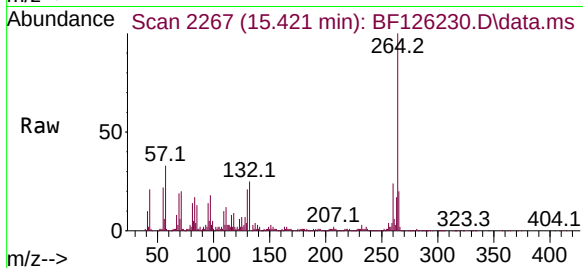
Tgt Ion:264 Resp: 336315

Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

265 20.5 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 2.341 ng

RT: 14.998 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF126230.D

Acq: 17 Dec 2021 12:23

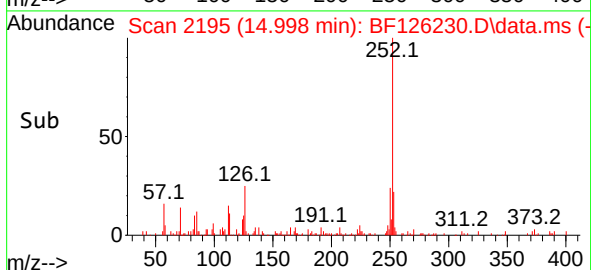
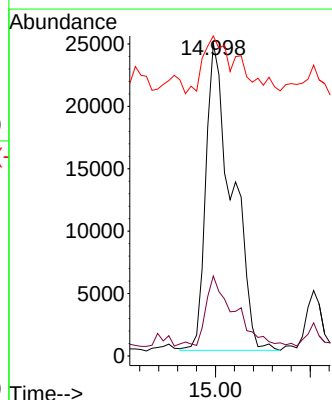
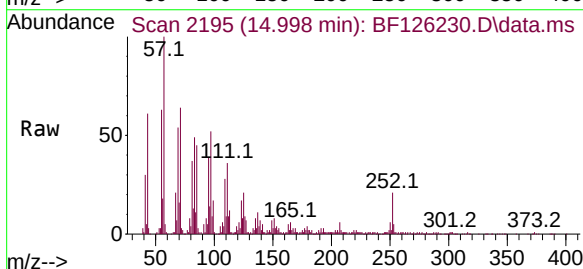
Tgt Ion:252 Resp: 47308

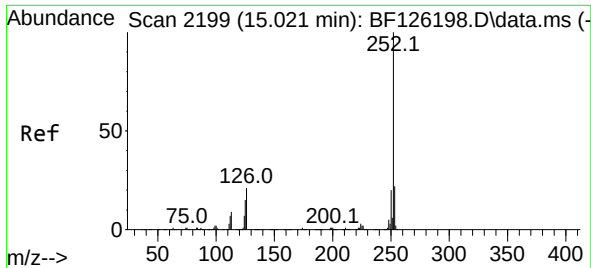
Ion Ratio Lower Upper

252 100

253 25.6 16.8 25.2#

125 102.4 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 2.447 ng

RT: 14.998 min Scan# 21

Delta R.T. -0.023 min

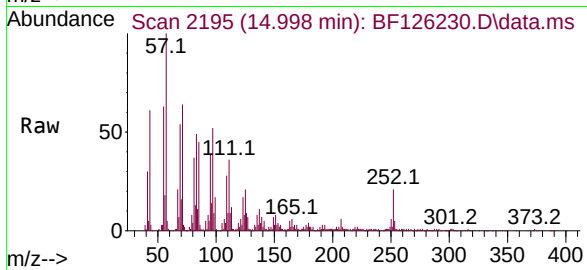
Lab File: BF126230.D

Acq: 17 Dec 2021 12:23

Instrument :

BNA\_M

ClientSampleId :



Tgt Ion:252 Resp: 47308

Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.8

125 102.4 7.2 10.8#

