

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\  
 Data File : BF121014.D  
 Acq On : 24 Jul 2020 20:51  
 Operator : JU/CG  
 Sample : L3383-25  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CRT-014

Manual Integrations  
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Quant Time: Jul 25 01:01:33 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 16 14:20:32 2020  
 Response via : Initial Calibration

7/27/2020 12:19:43 PM

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 155506   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.10  | 136  | 542241   | 20.00  | ng    | 0.00         |
| 39) Acenaphthene-d10        | 9.85  | 164  | 268532   | 20.00  | ng    | 0.00         |
| 64) Phenanthrene-d10        | 11.33 | 188  | 454282   | 20.00  | ng    | 0.00         |
| 76) Chrysene-d12            | 13.97 | 240  | 367806   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 15.42 | 264  | 418395   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.43  | 112  | 1119107  | 117.98 | ng    | 0.01         |
| 7) Phenol-d6                | 6.45  | 99   | 1379070  | 112.55 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 886178   | 94.56  | ng    | 0.00         |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 381372   | 129.75 | ng    | 0.00         |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 1701640  | 94.61  | ng    | 0.00         |
| 79) Terphenyl-d14           | 12.92 | 244  | 1413157  | 83.52  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 50) Dimethylphthalate       | 9.56  | 163  | 208515   | 10.763 | ng    | Qvalue<br>99 |
| 81) Benzo(a)anthracene      | 13.96 | 228  | 51349m   | 2.305  | ng    |              |
| 83) Chrysene                | 13.99 | 228  | 60642m   | 2.591  | ng    |              |
| 88) Benzo(b)fluoranthene    | 15.00 | 252  | 69379m   | 2.743  | ng    |              |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\  
Data File : BF121014.D  
Acq On : 24 Jul 2020 20:51  
Operator : JU/CG  
Sample : L3383-25  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

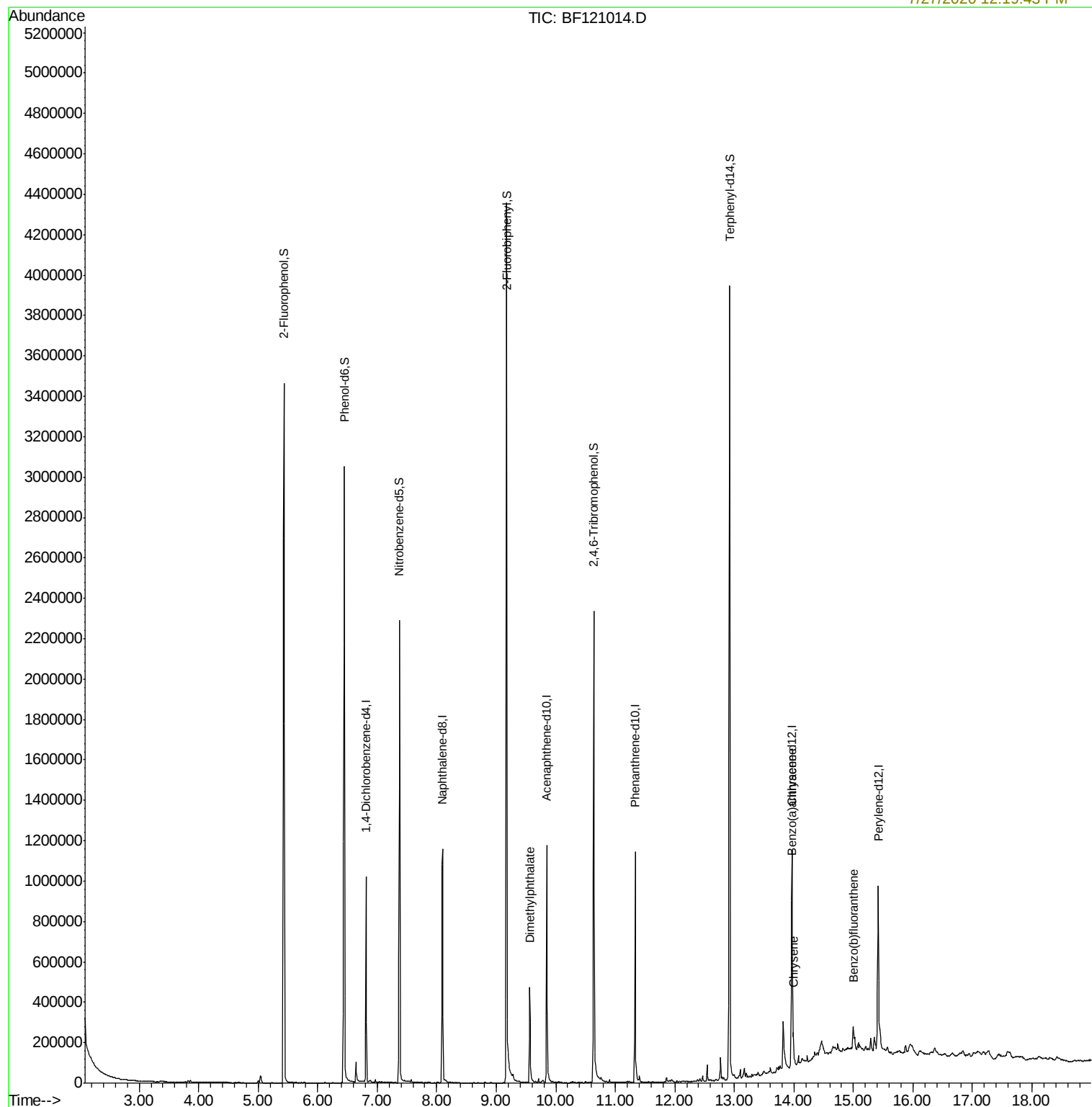
Instrument :  
BNA\_F  
ClientSampleId :  
CRT-014

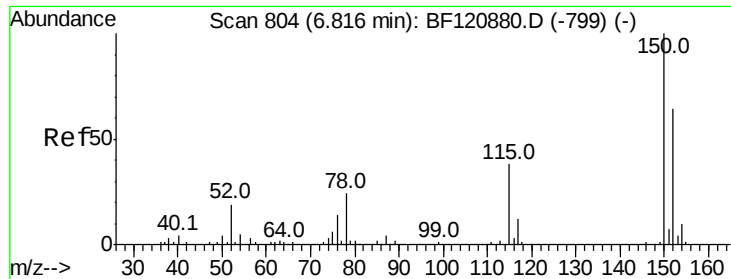
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Quant Time: Jul 25 01:01:33 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 16 14:20:32 2020  
Response via : Initial Calibration

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#1

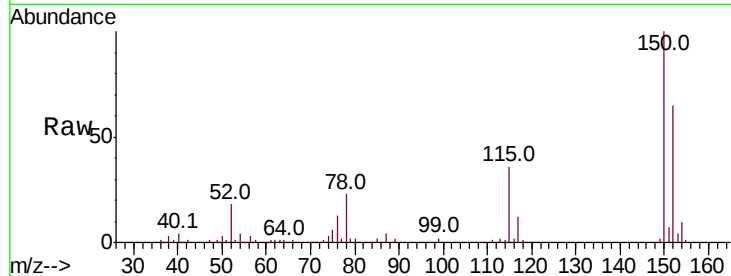
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: BF121014.D  
Acq: 24 Jul 2020 20:51

Instrument :  
BNA\_F  
ClientSampleId :  
CRT-014

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.7 | 125.0 | 187.6 |
| 115     | 56.2  | 47.0  | 70.4  |

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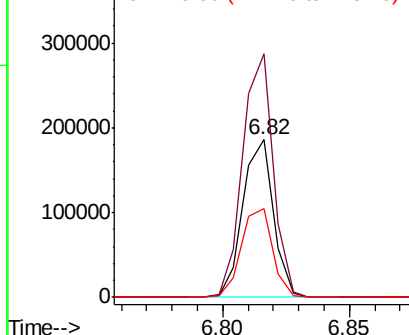


Abundance

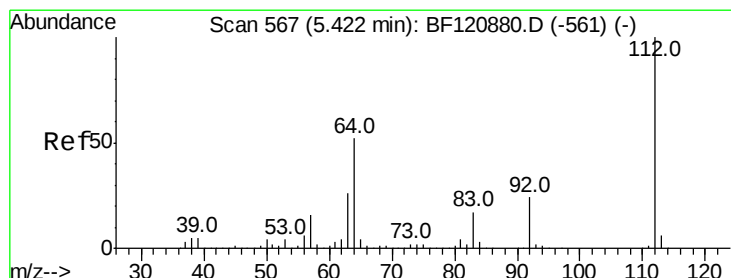
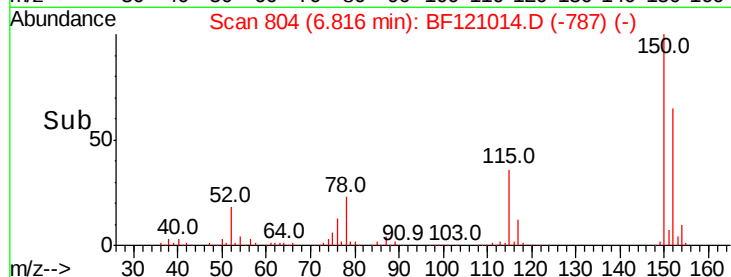
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



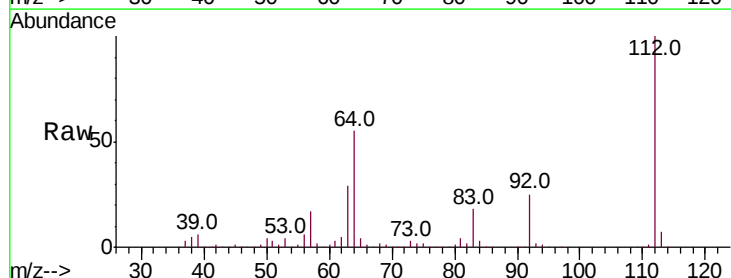
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#5

2-Fluorophenol  
Concen: 117.977 ng  
RT: 5.43 min Scan# 569  
Delta R.T. 0.01 min  
Lab File: BF121014.D  
Acq: 24 Jul 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.1  | 41.3  | 61.9  |
| 63      | 28.6  | 21.1  | 31.7  |

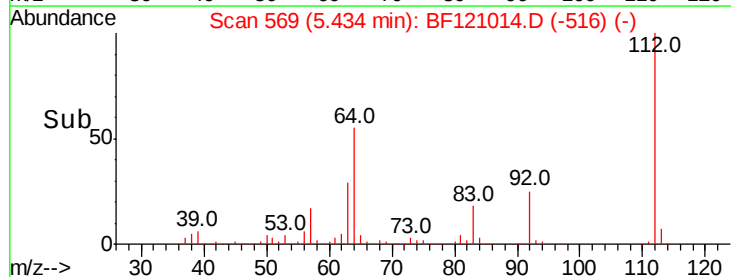
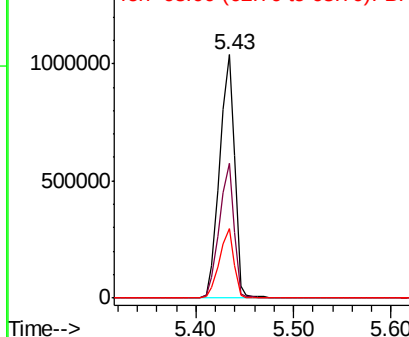


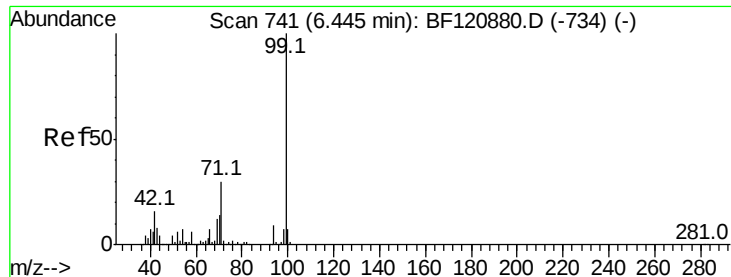
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 112.547 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF121014.D

Acq: 24 Jul 2020 20:51

Instrument :

BNA\_F

ClientSampled :

CRT-014

Tot Ion: 99 Resp: 1379070

Ion Ratio Lower Upper

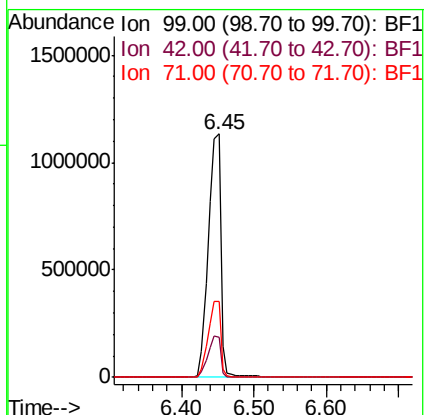
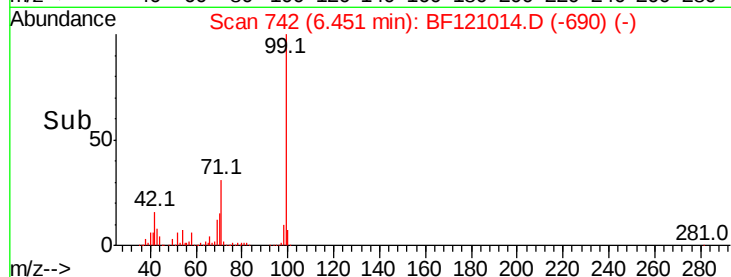
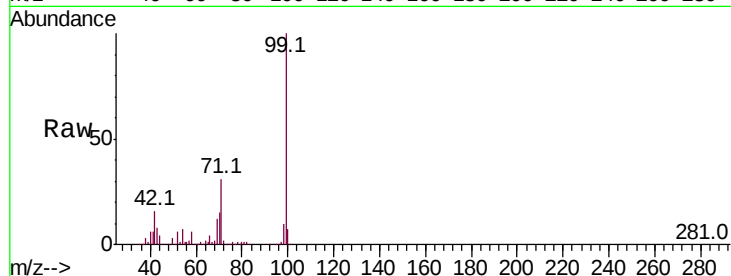
99 100

42 16.3 13.1 19.7

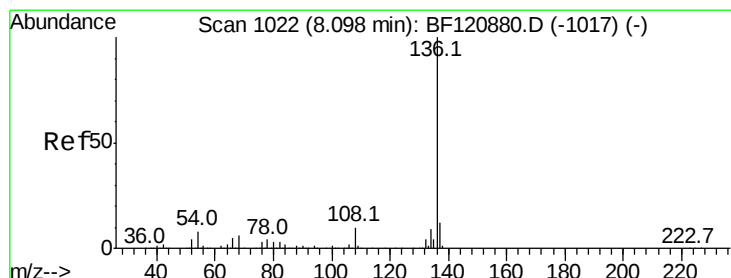
71 31.1 24.2 36.4

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF121014.D

Acq: 24 Jul 2020 20:51

Tgt Ion: 136 Resp: 542241

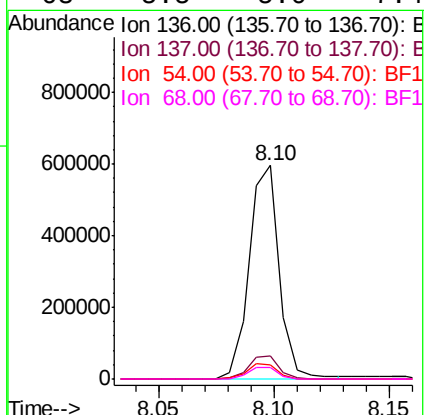
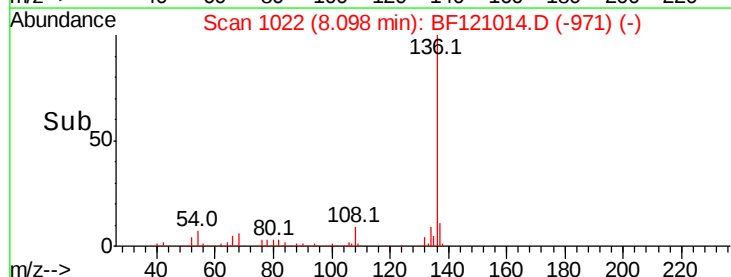
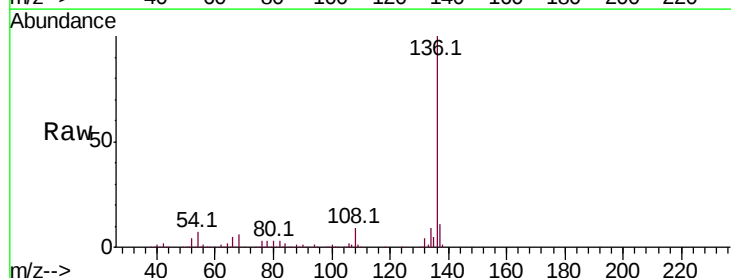
Ion Ratio Lower Upper

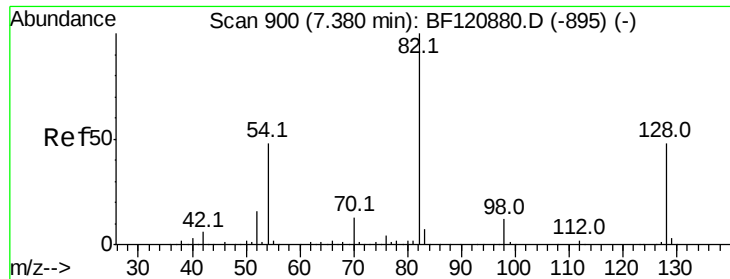
136 100

137 10.8 9.3 13.9

54 6.7 6.3 9.5

68 5.5 5.0 7.4





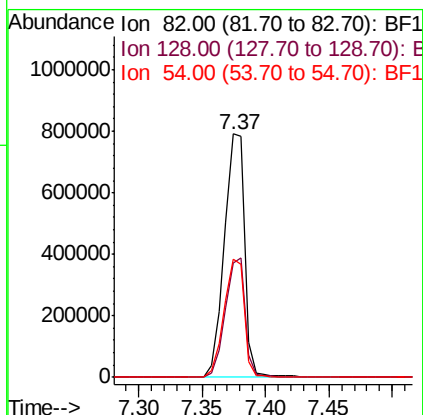
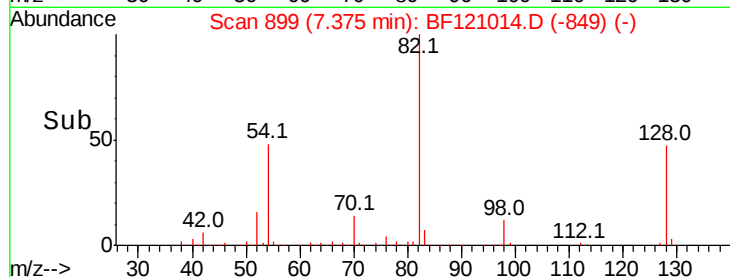
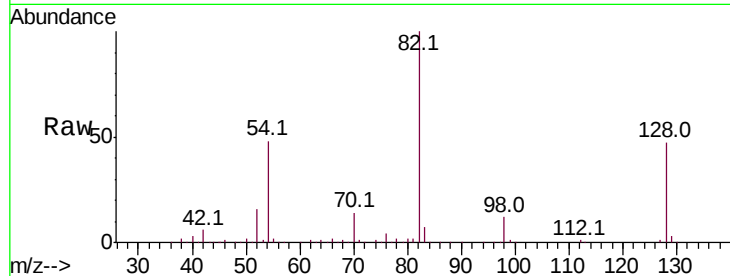
#23  
Nitrobenzene-d5  
Concen: 94.565 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BF121014.D  
Acq: 24 Jul 2020 20:51

Instrument :  
BNA\_F  
ClientSampleId :  
CRT-014

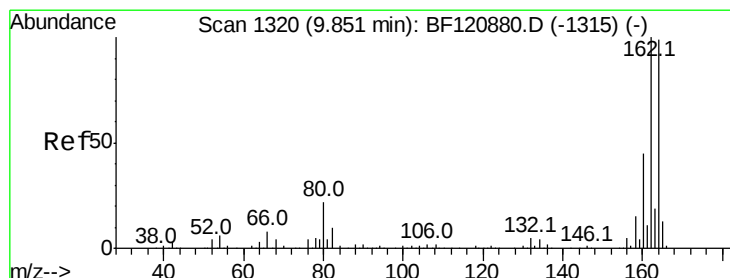
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.8  | 38.2  | 57.4  |
| 54      | 48.3  | 38.7  | 58.1  |

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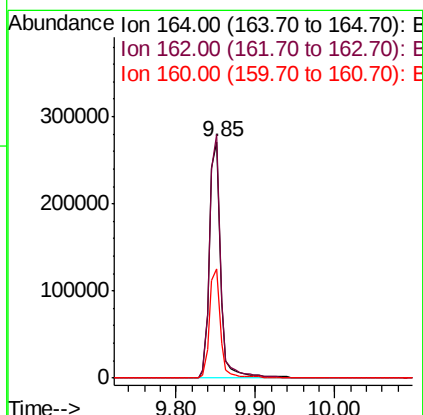
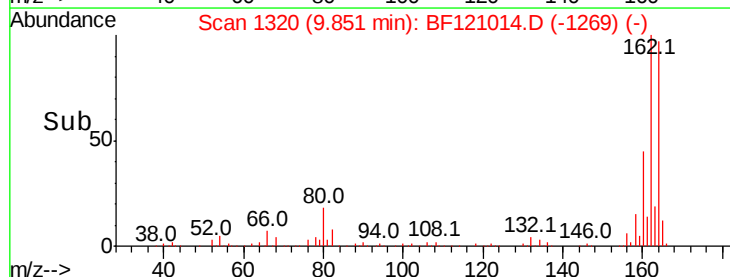
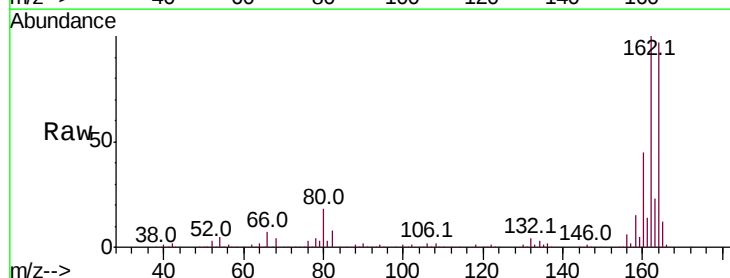


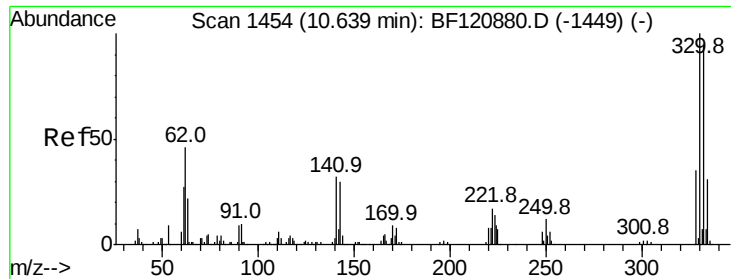
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. 0.00 min  
Lab File: BF121014.D  
Acq: 24 Jul 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.0 | 81.2  | 121.8 |
| 160     | 46.4  | 36.9  | 55.3  |





#42

2,4,6-Tribromophenol

Concen: 129.747 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF121014.D

Acq: 24 Jul 2020 20:51

Instrument :

BNA\_F

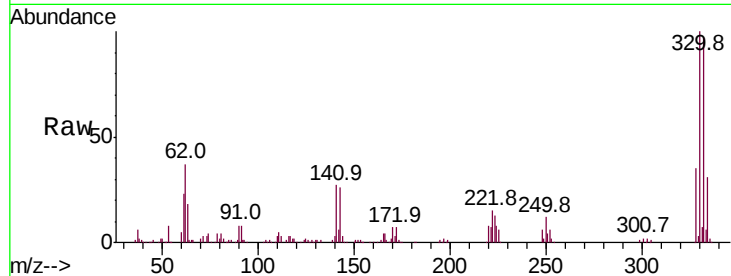
ClientSampleId :

CRT-014

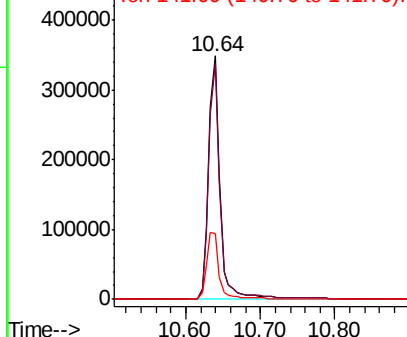
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 381372 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.0  | 75.5  | 113.3  |
| 141       | 30.3  | 25.7  | 38.5   |

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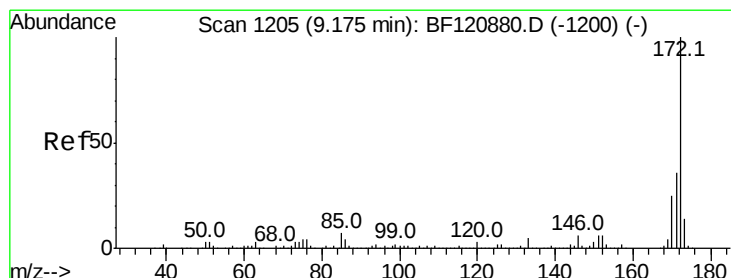
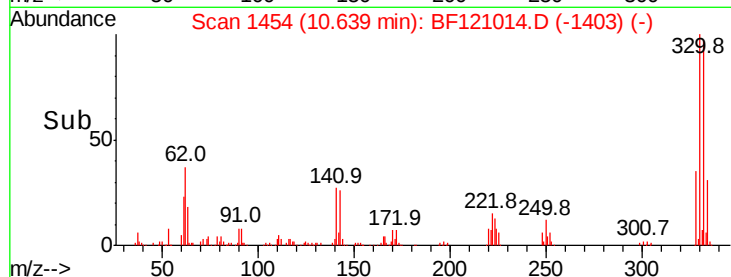
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Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



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#45

2-Fluorobiphenyl

Concen: 94.612 ng

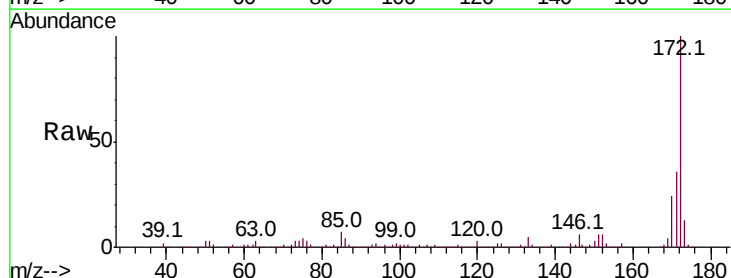
RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

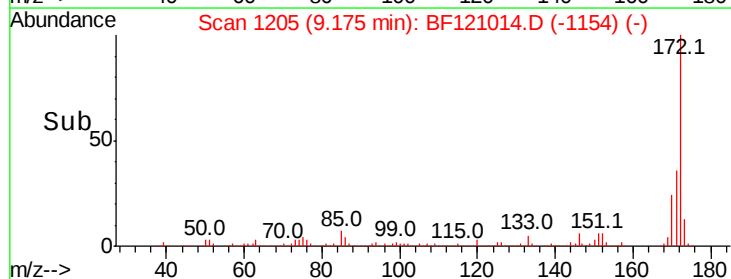
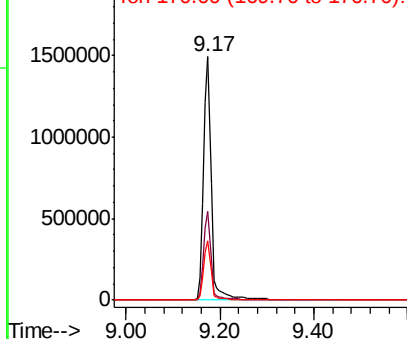
Lab File: BF121014.D

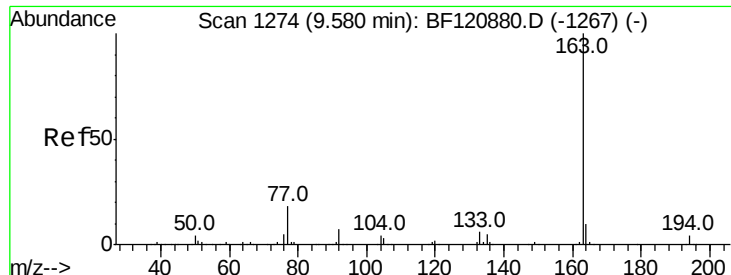
Acq: 24 Jul 2020 20:51

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1701640 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.3  | 29.0  | 43.4    |
| 170       | 24.4  | 19.6  | 29.4    |



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





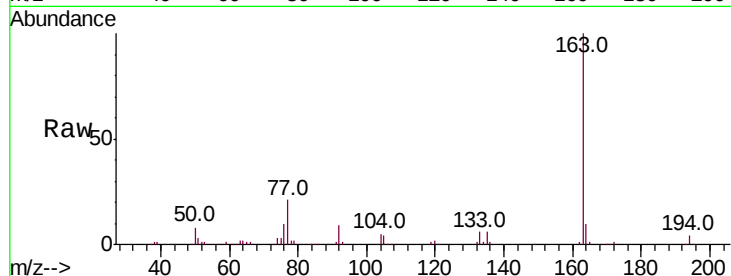
#50  
Dimethylphthalate  
Concen: 10.763 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.02 min  
Lab File: BF121014.D  
Acq: 24 Jul 2020 20:51

Instrument :  
BNA\_F  
ClientSampleId :  
CRT-014

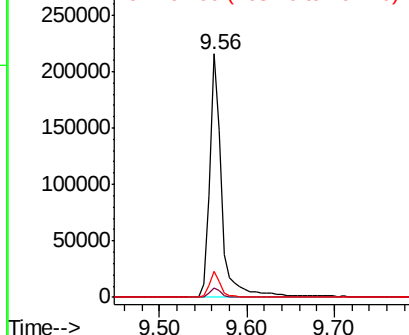
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 208515 |       |       |
| 194     | 3.8   |        | 3.2   | 4.8   |
| 164     | 10.4  |        | 7.9   | 11.9  |

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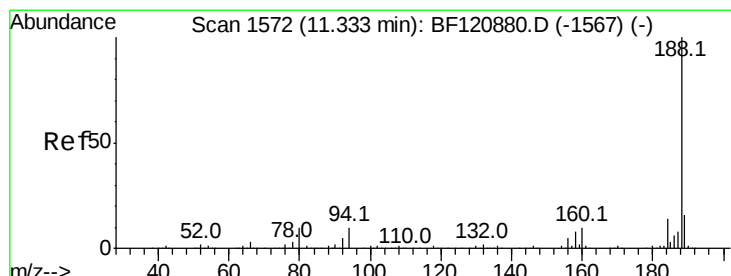
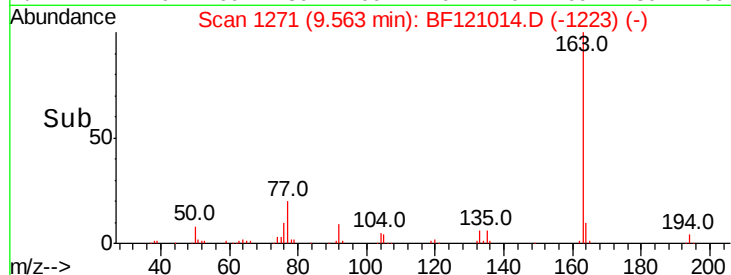
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Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

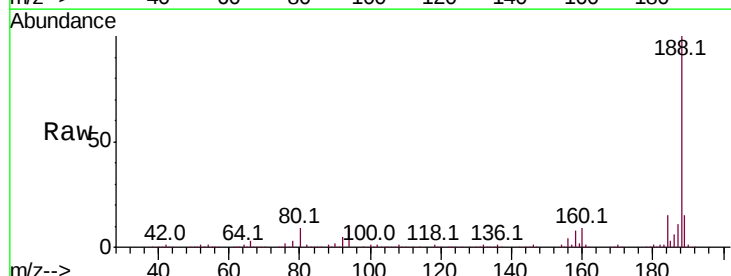


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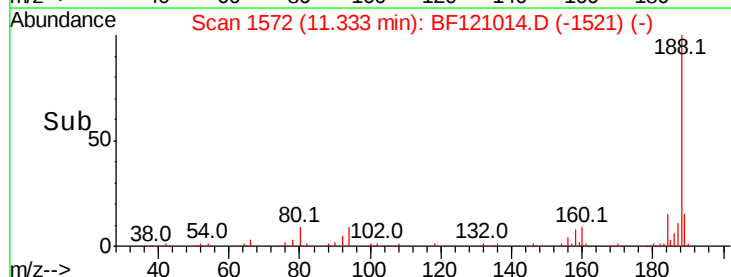
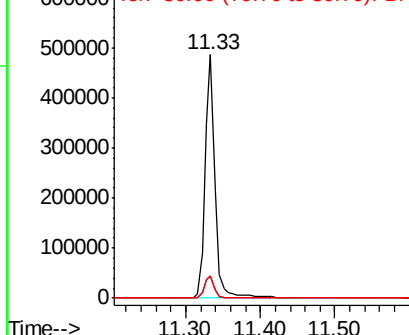


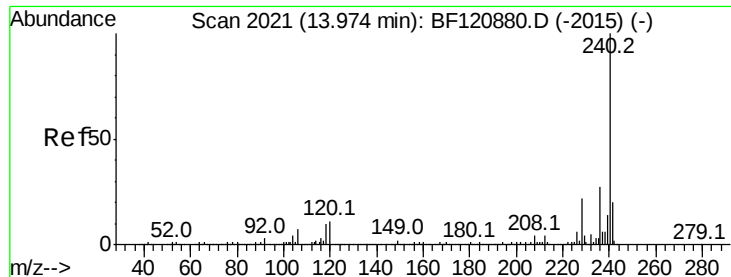
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: BF121014.D  
Acq: 24 Jul 2020 20:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 454282 |       |       |
| 94      | 8.9   |        | 8.0   | 12.0  |
| 80      | 9.0   |        | 8.3   | 12.5  |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





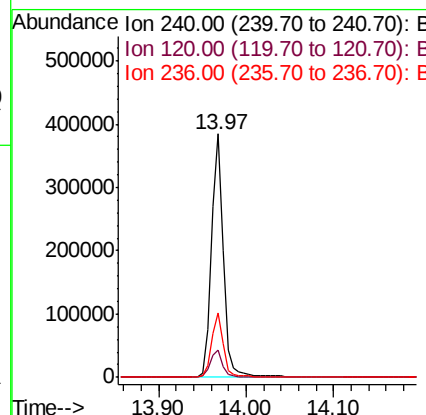
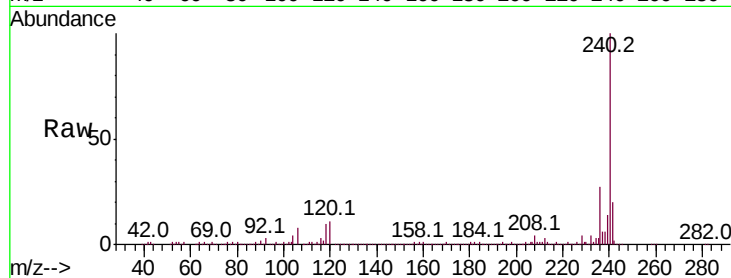
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.97 min Scan# 2020  
 Delta R.T. -0.01 min  
 Lab File: BF121014.D  
 Acq: 24 Jul 2020 20:51

Instrument :  
 BNA\_F  
 ClientSampled :  
 CRT-014

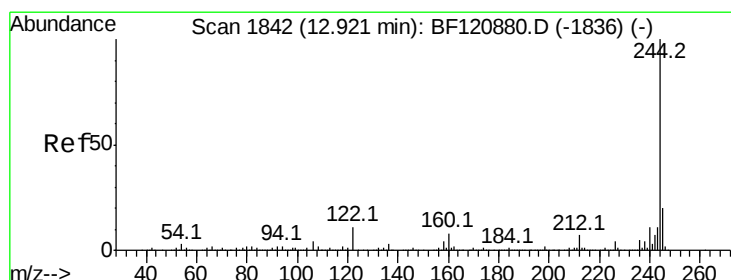
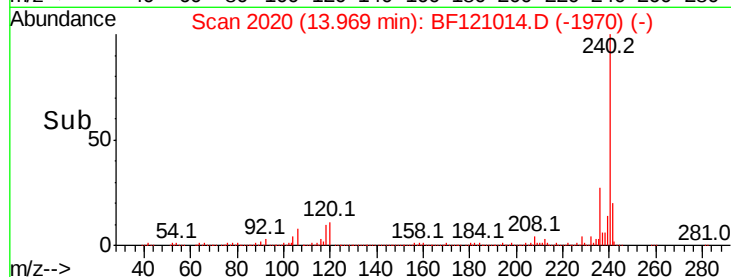
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.1  | 9.0   | 13.4  |
| 236     | 26.6  | 21.7  | 32.5  |

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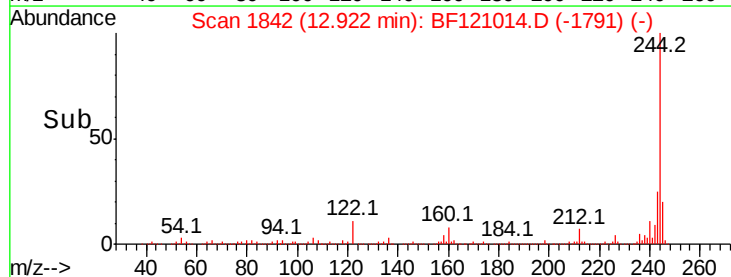
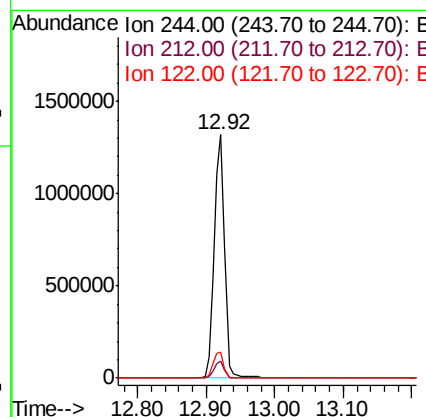
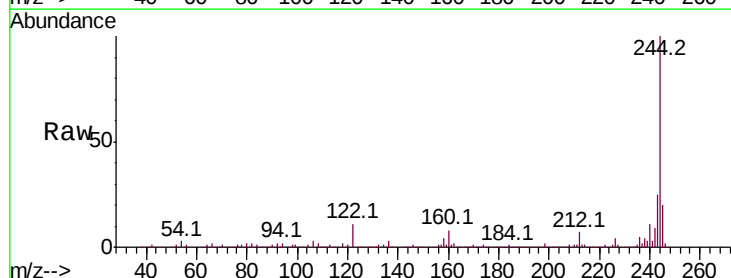


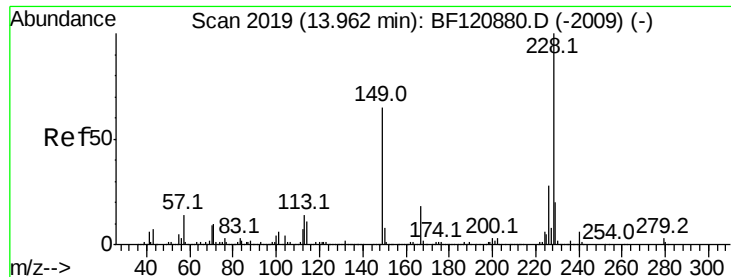
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#79  
 Terphenyl-d14  
 Concen: 83.519 ng  
 RT: 12.92 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: BF121014.D  
 Acq: 24 Jul 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.6   | 8.4   |
| 122     | 10.7  | 8.9   | 13.3  |





#81

Benzo(a)anthracene

Concen: 2.305 ng m

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF121014.D

Acq: 24 Jul 2020 20:51

Instrument :

BNA\_F

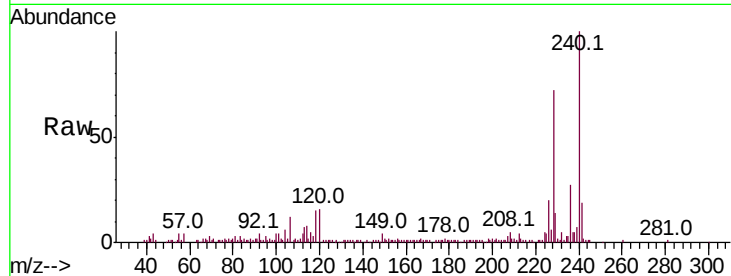
ClientSampleId :

CRT-014

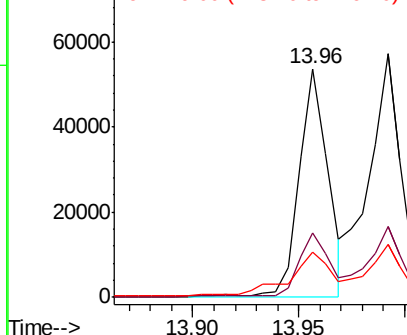
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 51349 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 28.3  | 22.3  | 33.5  |
| 229       | 19.6  | 16.1  | 24.1  |

Manual Integrations  
APPROVED

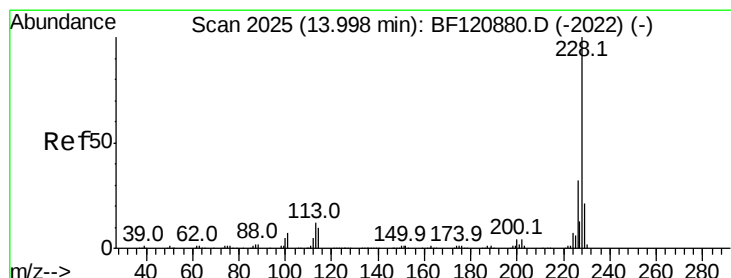
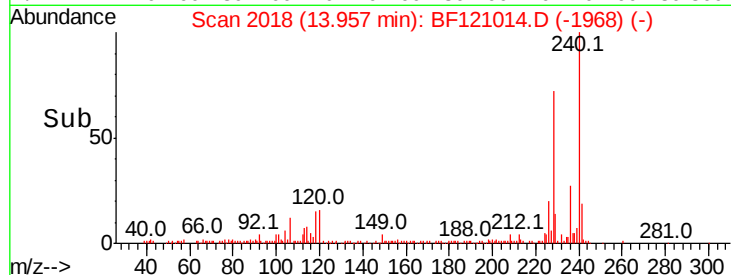
mohammad



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



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#83

Chrysene

Concen: 2.591 ng m

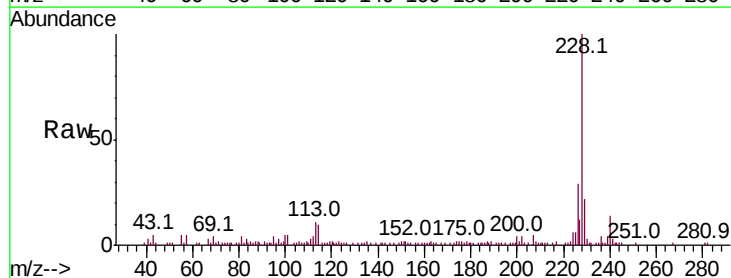
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

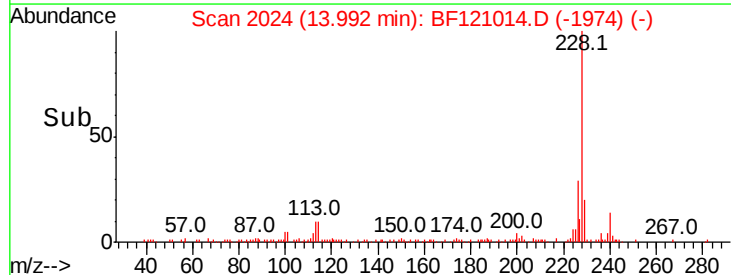
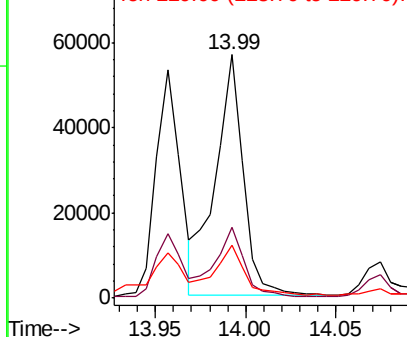
Lab File: BF121014.D

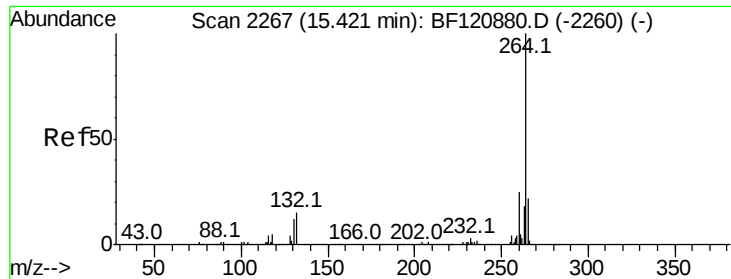
Acq: 24 Jul 2020 20:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 60642 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.3  | 25.6  | 38.4  |
| 229       | 21.5  | 16.8  | 25.2  |



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





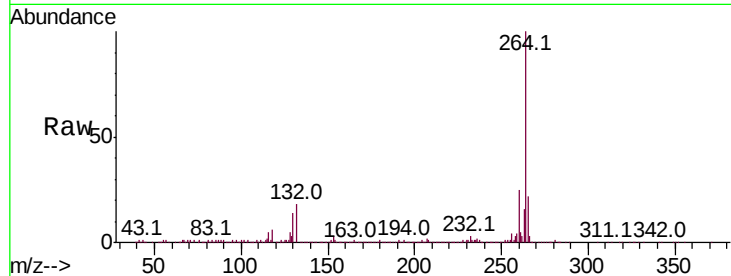
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.42 min Scan# 2266  
Delta R.T. -0.01 min  
Lab File: BF121014.D  
Acq: 24 Jul 2020 20:51

Instrument :  
BNA\_F  
ClientSampleId :  
CRT-014

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 20.0  | 30.0  |
| 265     | 22.3  | 17.4  | 26.2  |

Manual Integrations  
APPROVED

mohammad

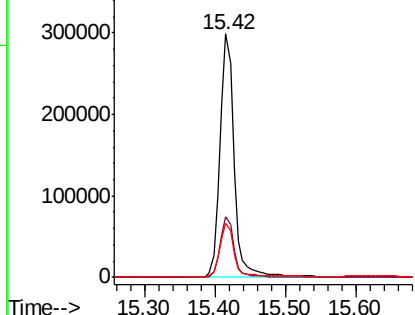
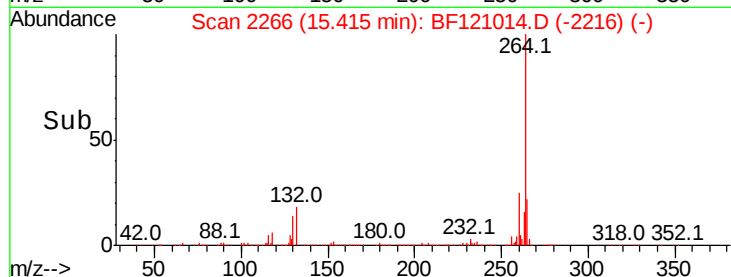


Abundance

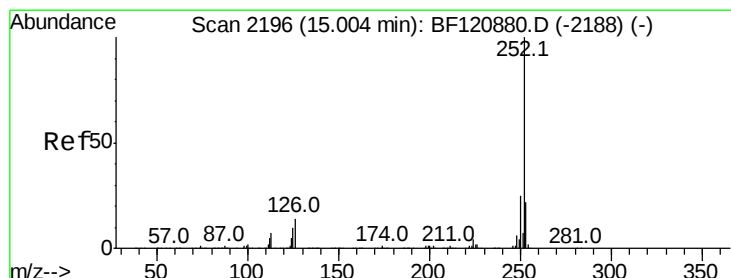
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

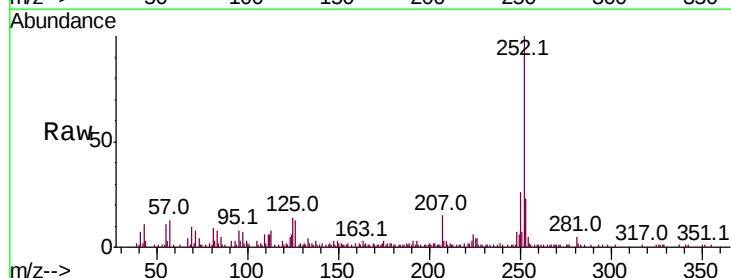


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#88  
Benzo(b)fluoranthene  
Concen: 2.743 ng m  
RT: 15.00 min Scan# 2195  
Delta R.T. -0.01 min  
Lab File: BF121014.D  
Acq: 24 Jul 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.0  | 27.0  |
| 125     | 14.1  | 8.3   | 12.5  |



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

