

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\  
 Data File : BF116463.D  
 Acq On : 21 Aug 2019 14:08  
 Operator : HP/JU  
 Sample : K4421-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUNSET-PARK-SB-4-COMP

Manual Integrations  
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 8/22/2019 1:58:14 PM

Quant Time: Aug 21 16:53:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 19 06:03:31 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 105476   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.07  | 136  | 409875   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 9.83  | 164  | 209272   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.32 | 188  | 301546   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 13.96 | 240  | 231902   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 15.43 | 264  | 186614   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 632556   | 100.40 | ng    | -0.01    |
| 7) Phenol-d6                | 6.45  | 99   | 845295   | 106.34 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 514403   | 72.44  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330  | 144442   | 71.19  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 872002   | 78.05  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.90 | 244  | 738802   | 67.13  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 50) Dimethylphthalate       | 9.55  | 163  | 142010   | 9.966  | ng    | 98       |
| 75) Fluoranthene            | 12.53 | 202  | 53418    | 3.310  | ng    | 98       |
| 78) Pyrene                  | 12.76 | 202  | 52495    | 3.003  | ng    | 99       |
| 88) Benzo(b)fluoranthene    | 15.01 | 252  | 26995m   | 2.502  | ng    |          |

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

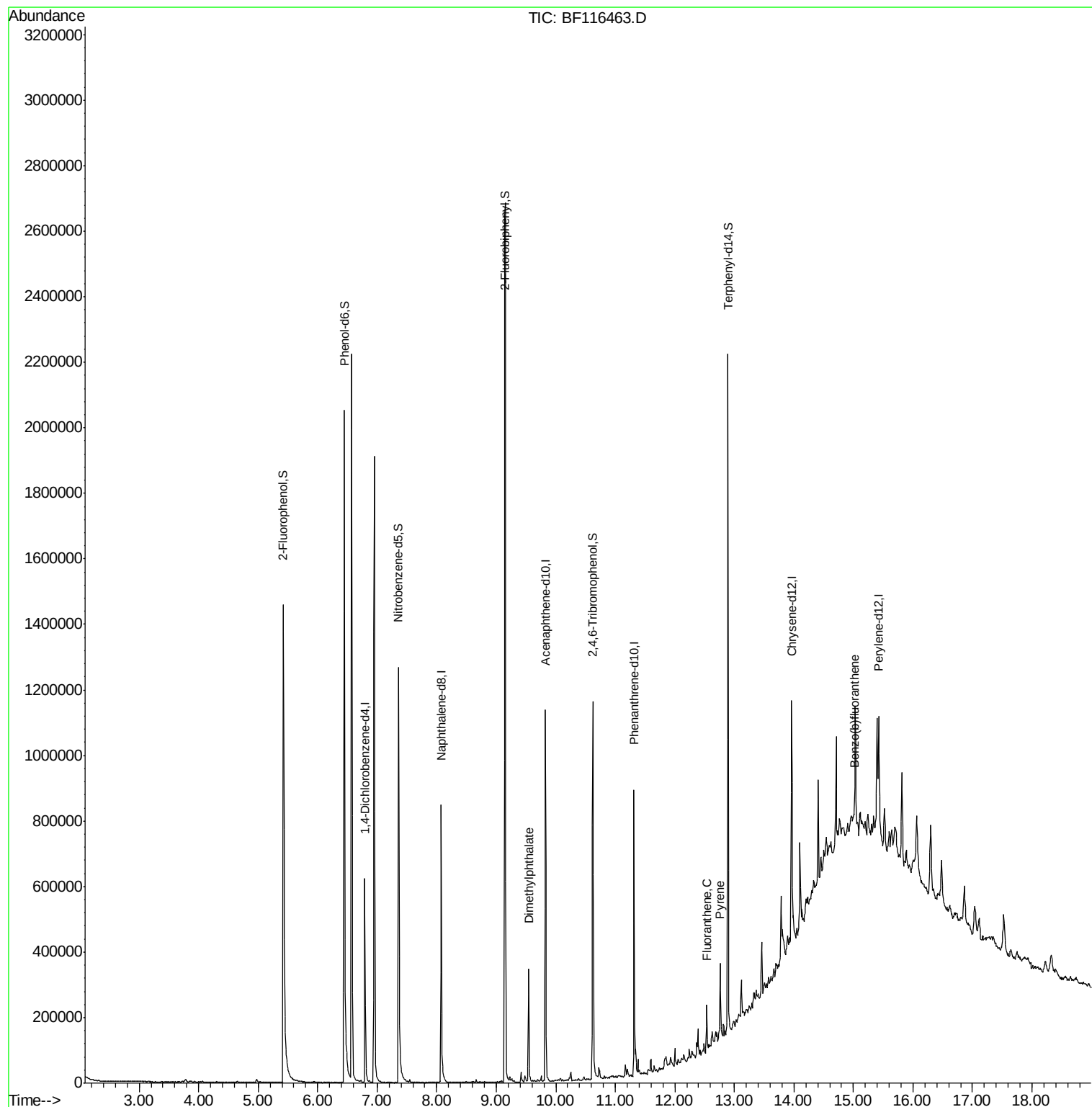
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\  
Data File : BF116463.D  
Acq On : 21 Aug 2019 14:08  
Operator : HP/JU  
Sample : K4421-07  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

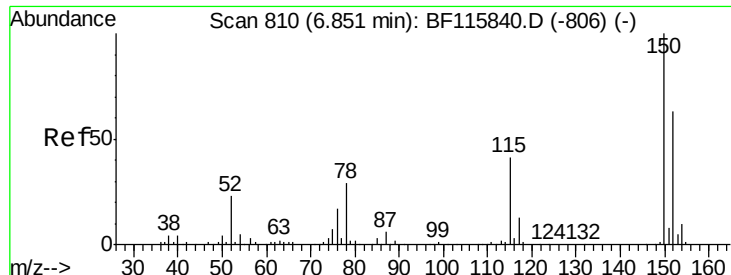
Instrument :  
BNA\_F  
ClientSampleId :  
SUNSET-PARK-SB-4-COMP

Manual Integrations  
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Quant Time: Aug 21 16:53:45 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 19 06:03:31 2019  
Response via : Initial Calibration





#1

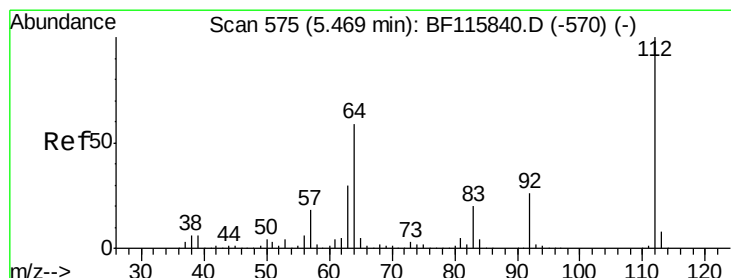
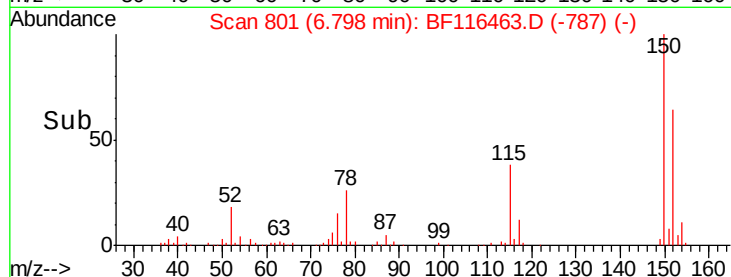
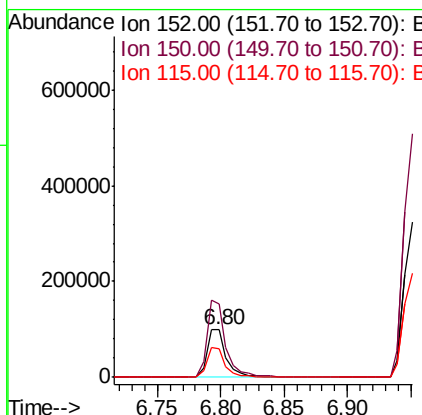
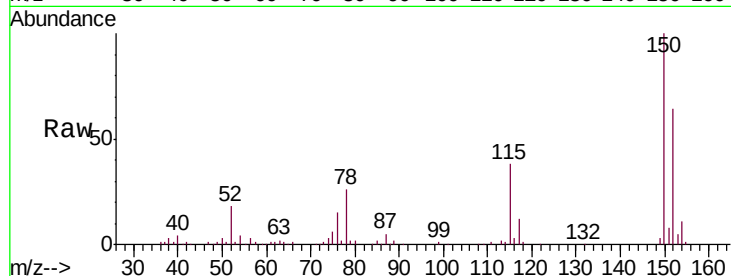
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. -0.02 min  
Lab File: BF116463.D  
Acq: 21 Aug 2019 14:08

Instrument :  
BNA\_F  
ClientSampleId :  
SUNSET-PARK-SB-4-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.8 | 126.2 | 189.2 |
| 115     | 59.7  | 49.9  | 74.9  |

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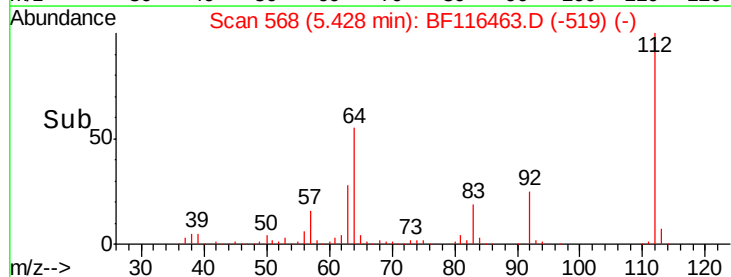
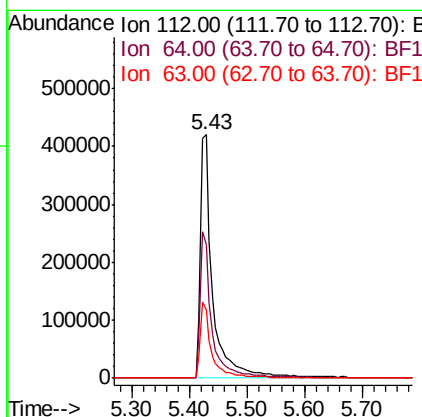
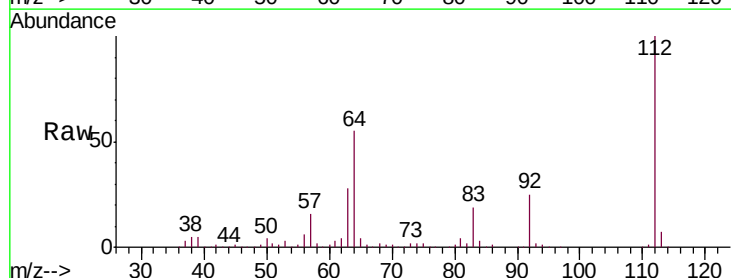
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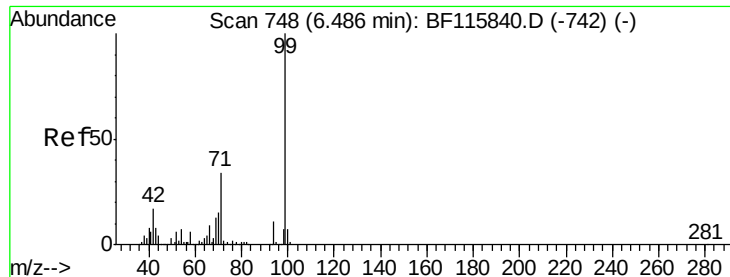


#5

2-Fluorophenol  
Concen: 100.396 ng  
RT: 5.43 min Scan# 568  
Delta R.T. -0.01 min  
Lab File: BF116463.D  
Acq: 21 Aug 2019 14:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.7  | 45.4  | 68.2  |
| 63      | 27.9  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 106.335 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Instrument :

BNA\_F

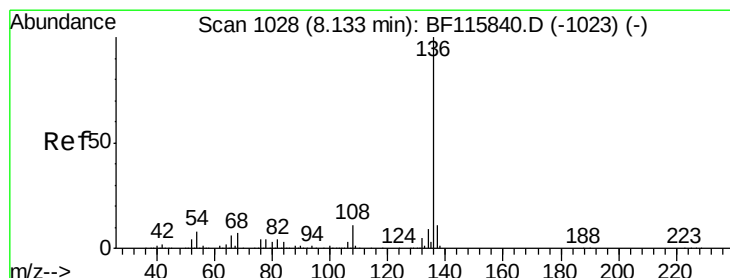
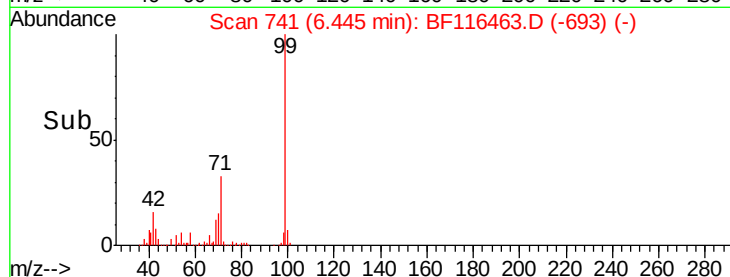
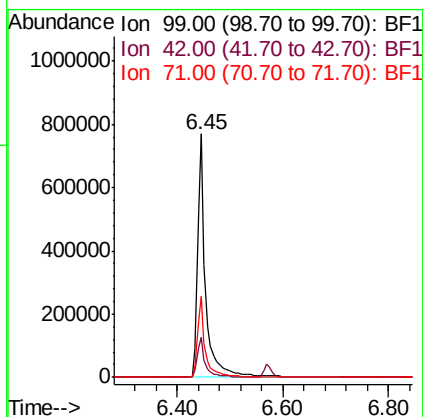
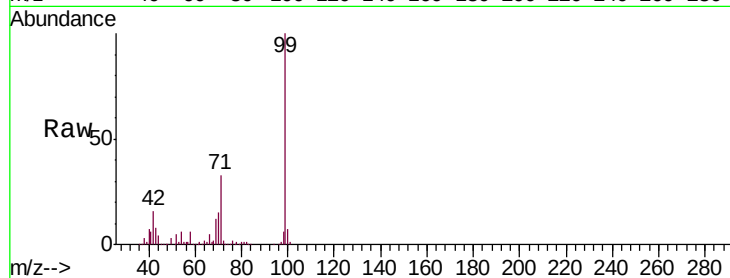
ClientSampleId :

SUNSET-PARK-SB-4-COMP

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 845295 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.3  | 13.8  | 20.8   |
| 71        | 33.1  | 27.3  | 40.9   |

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#21

Naphthalene-d8

Concen: 20.000 ng

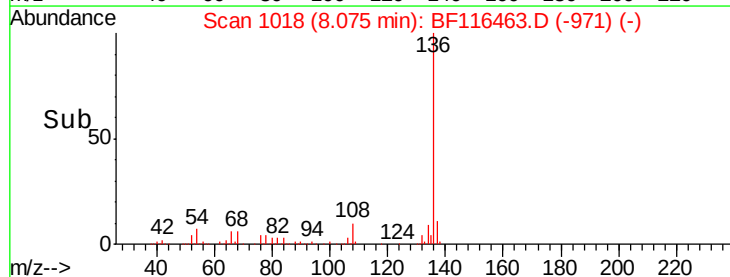
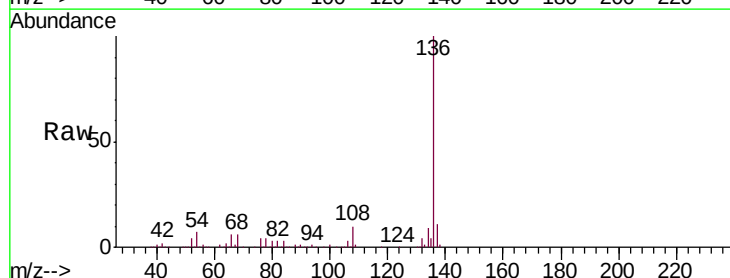
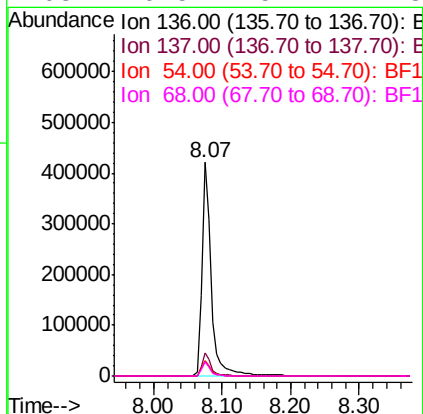
RT: 8.07 min Scan# 1018

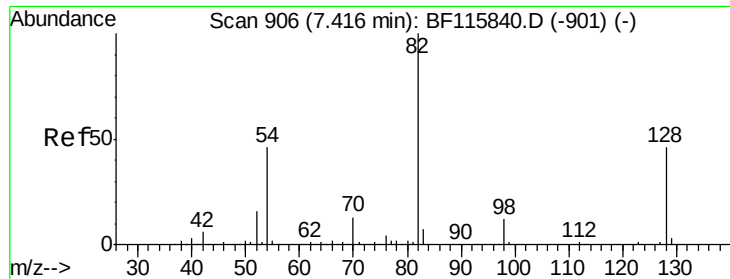
Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 409875 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 9.0   | 13.4   |
| 54        | 7.5   | 5.8   | 8.6    |
| 68        | 6.5   | 5.2   | 7.8    |





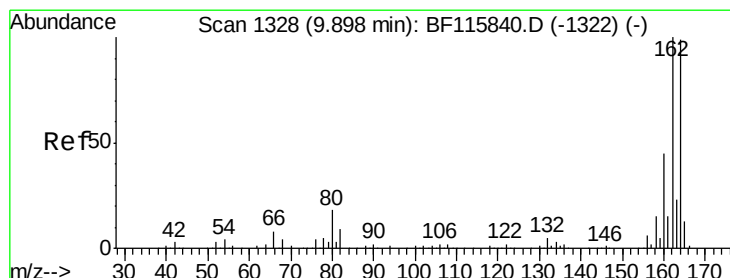
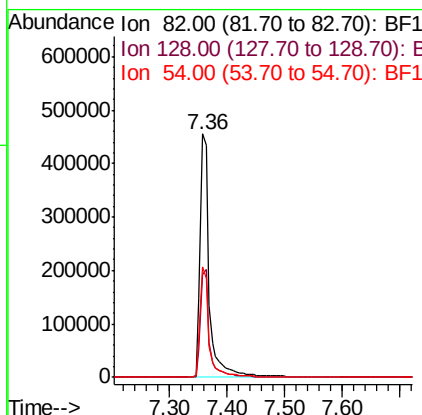
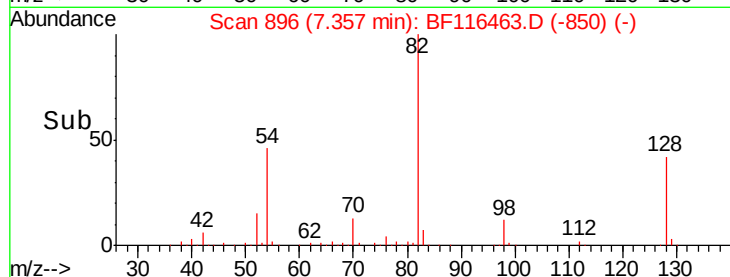
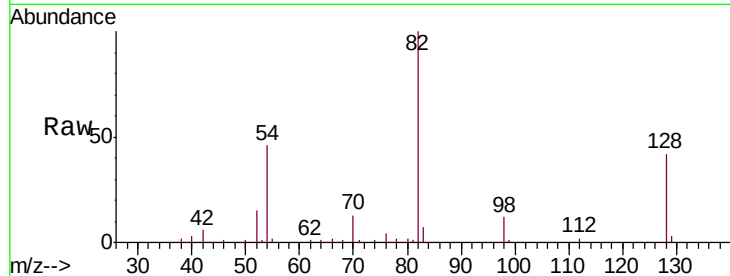
#23  
 Nitrobenzene-d5  
 Concen: 72.444 ng  
 RT: 7.36 min Scan# 896  
 Delta R.T. -0.03 min  
 Lab File: BF116463.D  
 Acq: 21 Aug 2019 14:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUNSET-PARK-SB-4-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.4  | 36.5  | 54.7  |
| 54      | 45.6  | 36.0  | 54.0  |

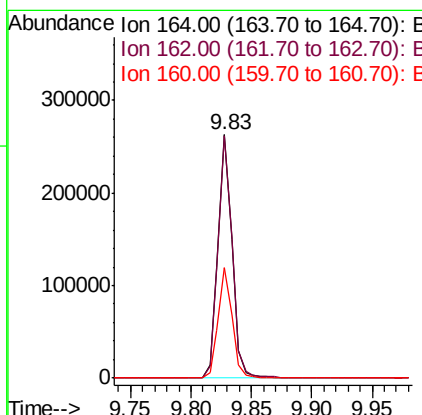
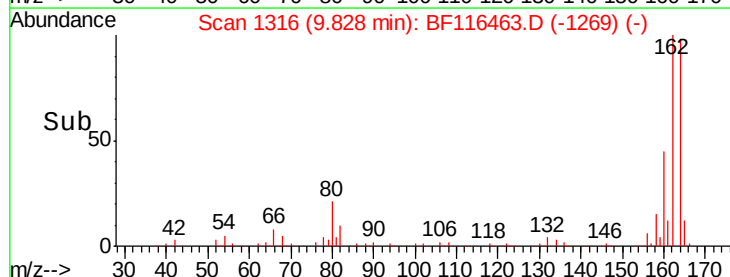
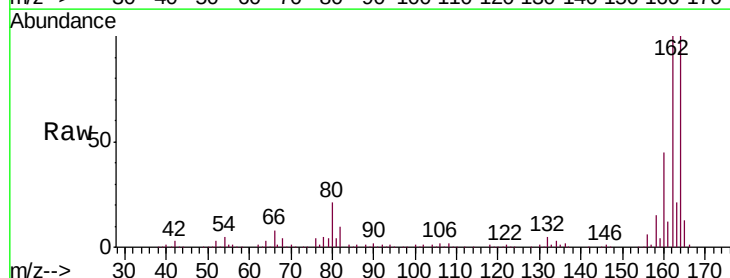
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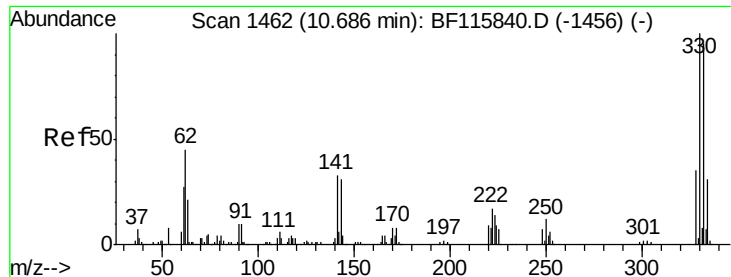
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#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.02 min  
 Lab File: BF116463.D  
 Acq: 21 Aug 2019 14:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.6  | 82.6  | 124.0 |
| 160     | 45.1  | 37.6  | 56.4  |





#42

2,4,6-Tribromophenol

Concen: 71.191 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Instrument :

BNA\_F

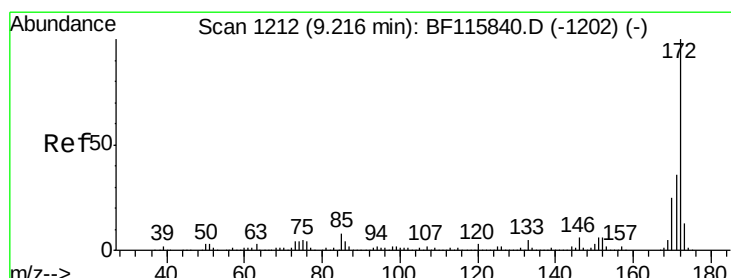
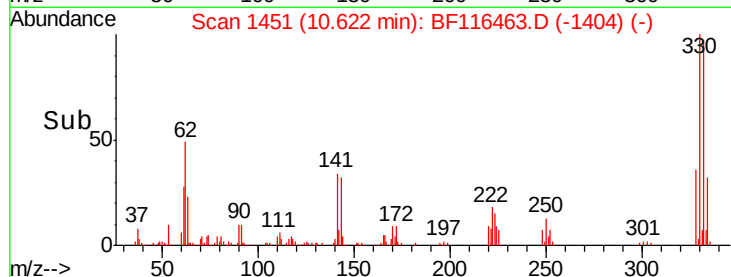
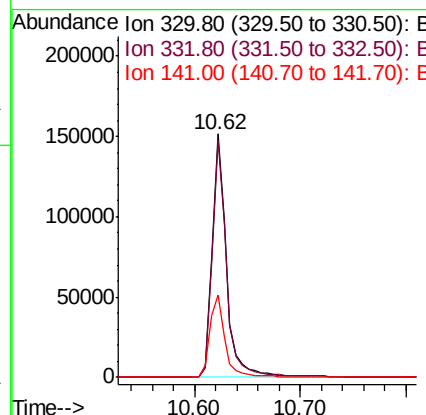
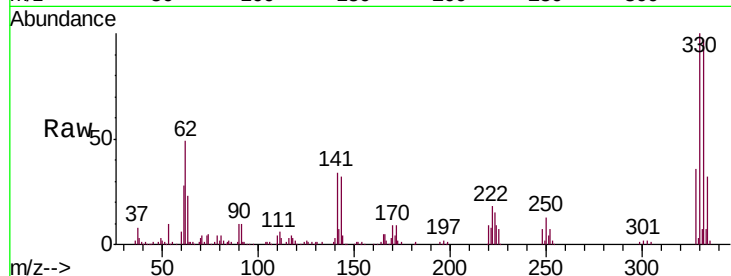
ClientSampleId :

SUNSET-PARK-SB-4-COMP

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 144442 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.9  | 76.8  | 115.2  |
| 141       | 35.5  | 26.3  | 39.5   |

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#45

2-Fluorobiphenyl

Concen: 78.048 ng

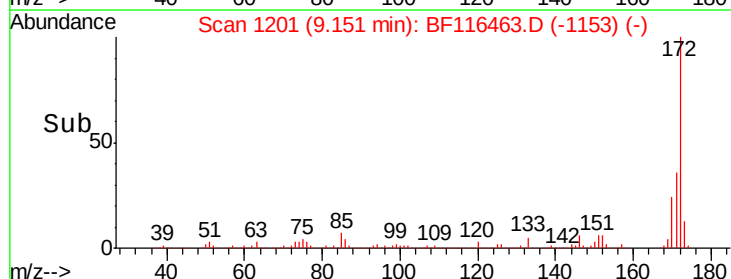
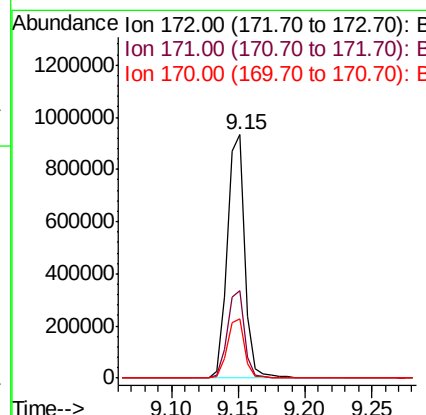
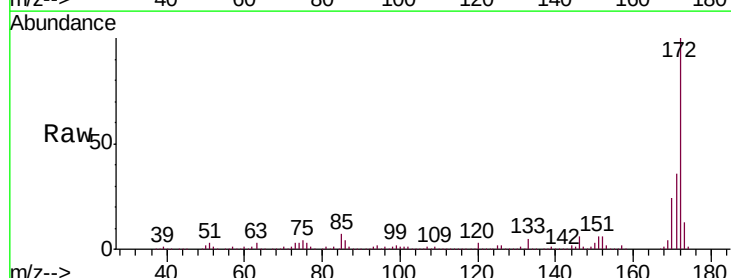
RT: 9.15 min Scan# 1201

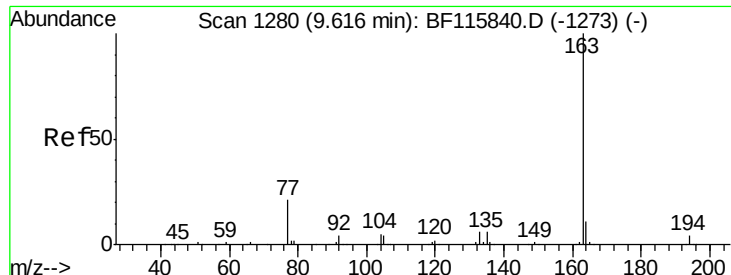
Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 872002 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 35.9  | 29.6  | 44.4   |
| 170       | 24.4  | 20.1  | 30.1   |





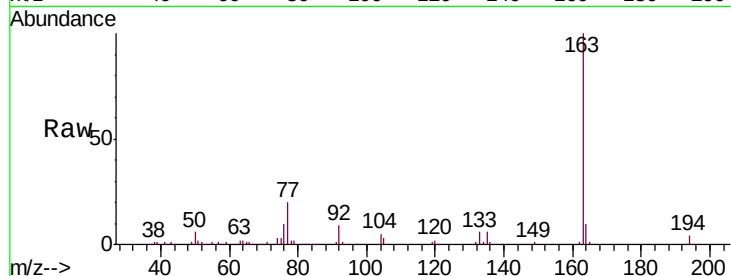
#50  
Dimethylphthalate  
Concen: 9.966 ng  
RT: 9.55 min Scan# 1268  
Delta R.T. -0.02 min  
Lab File: BF116463.D  
Acq: 21 Aug 2019 14:08

Instrument :  
BNA\_F  
ClientSampleId :  
SUNSET-PARK-SB-4-COMP

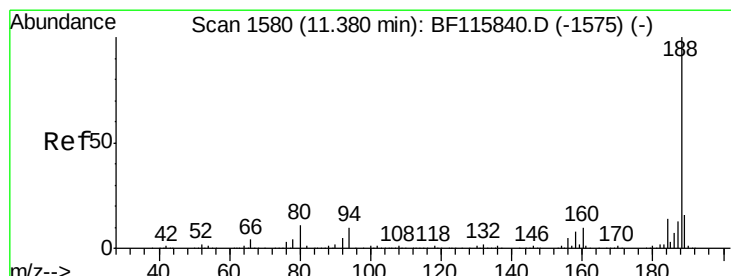
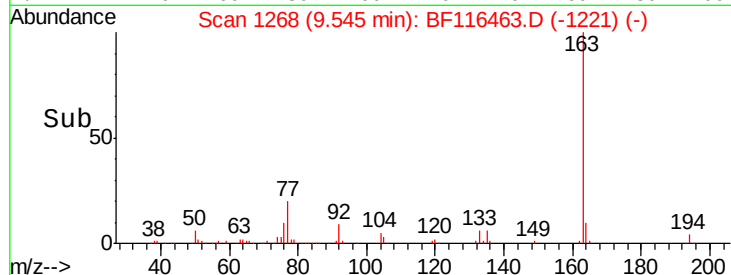
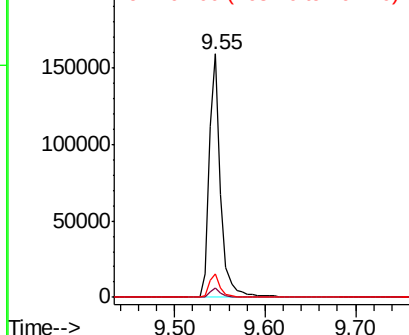
|             |       |        |
|-------------|-------|--------|
| Tot Ion:163 | Resp: | 142010 |
| Ion Ratio   | Lower | Upper  |
| 163 100     |       |        |
| 194 3.9     | 3.0   | 4.6    |
| 164 9.7     | 8.4   | 12.6   |

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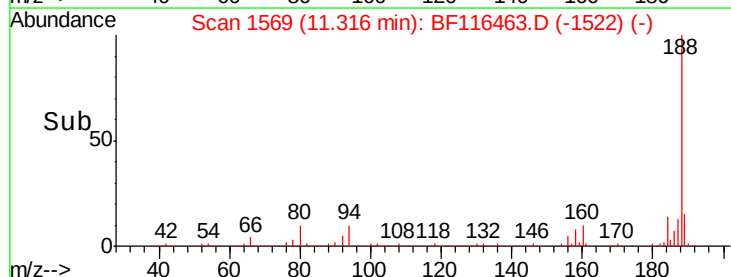
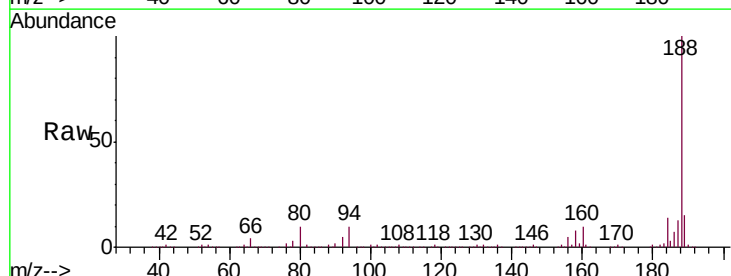
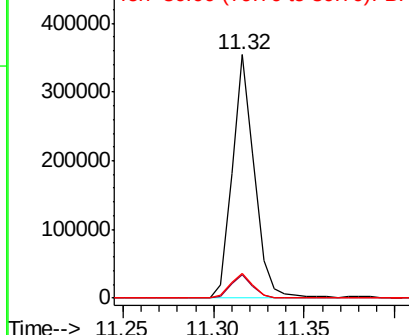
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

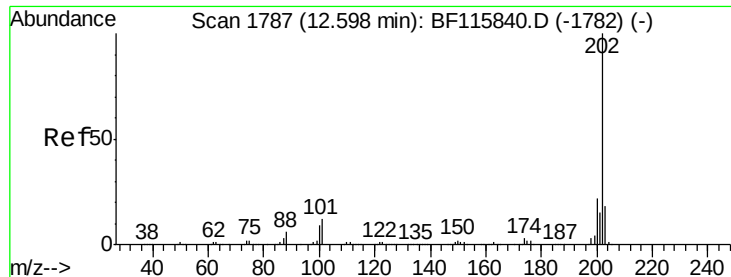


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1569  
Delta R.T. -0.02 min  
Lab File: BF116463.D  
Acq: 21 Aug 2019 14:08

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:188 | Resp: | 301546 |
| Ion Ratio   | Lower | Upper  |
| 188 100     |       |        |
| 94 9.8      | 8.1   | 12.1   |
| 80 10.3     | 8.7   | 13.1   |

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





#75

Fluoranthene

Concen: 3.310 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Instrument :

BNA\_F

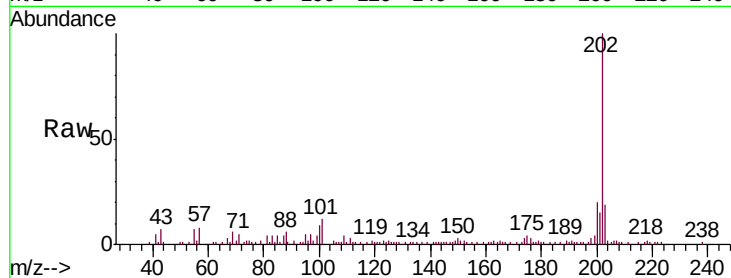
ClientSampleId :

SUNSET-PARK-SB-4-COMP

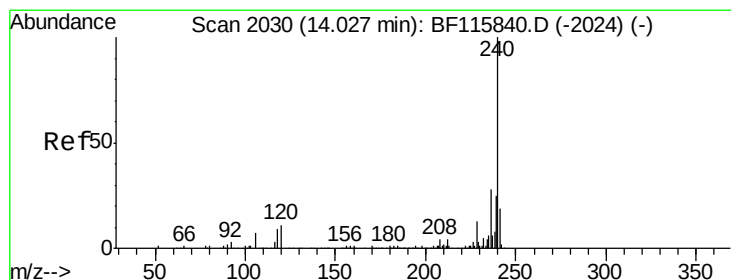
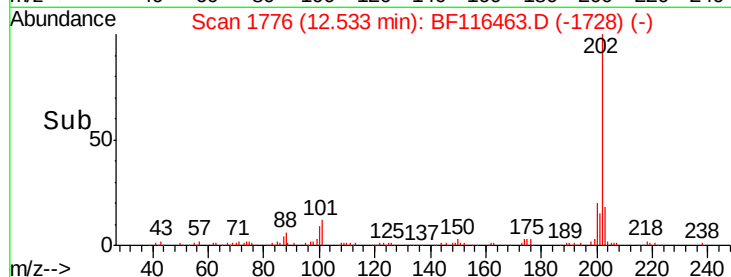
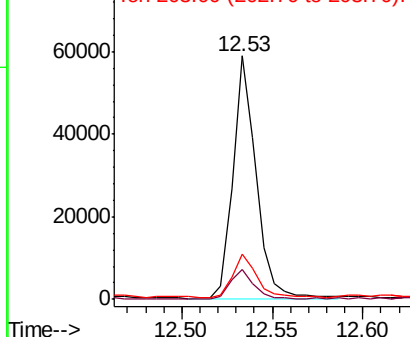
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 53418 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.1  | 0.0   | 31.2  |
| 203       | 18.7  | 0.0   | 37.8  |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

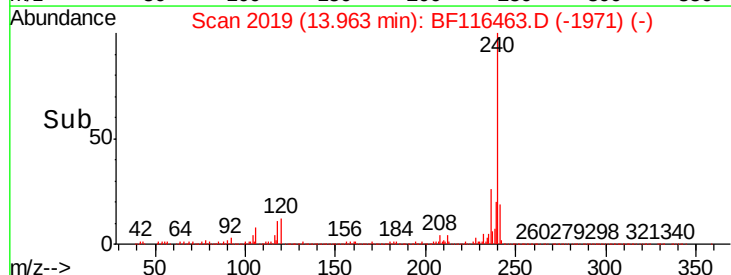
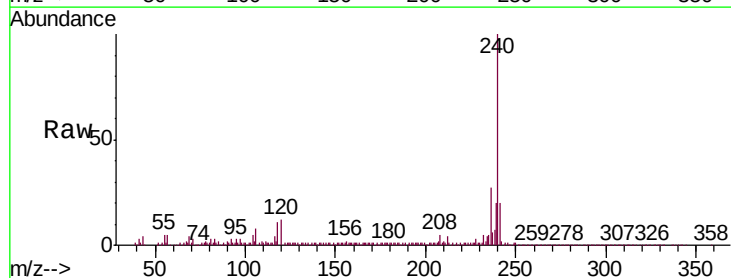
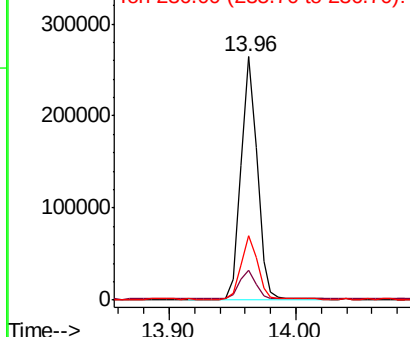
Delta R.T. -0.02 min

Lab File: BF116463.D

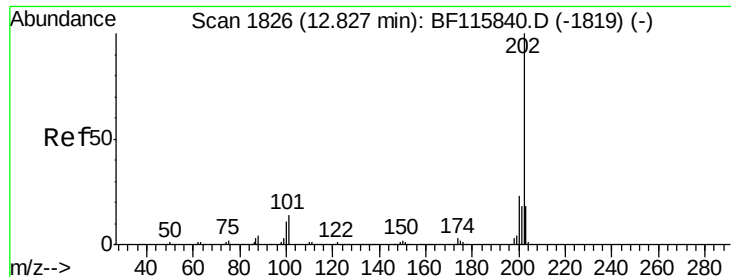
Acq: 21 Aug 2019 14:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 231902 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.1  | 10.7  | 16.1   |
| 236       | 26.7  | 22.2  | 33.2   |

Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E







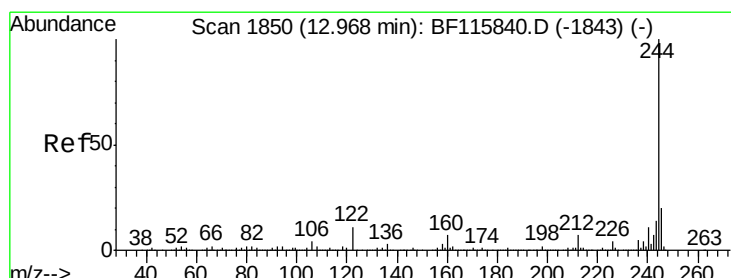
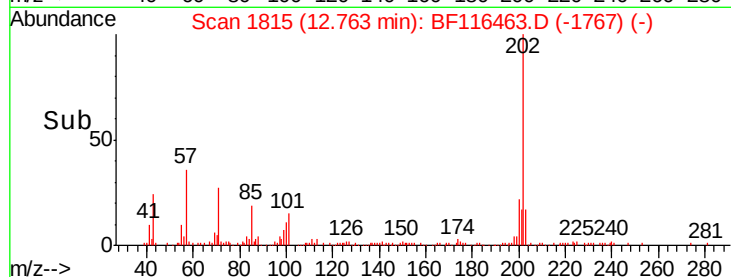
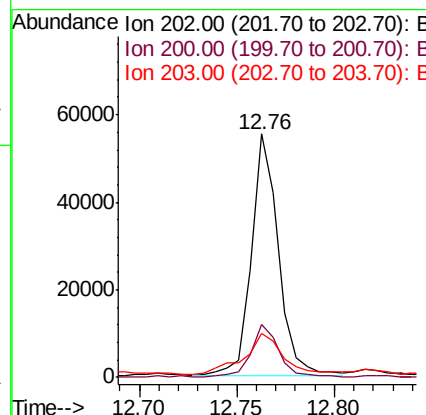
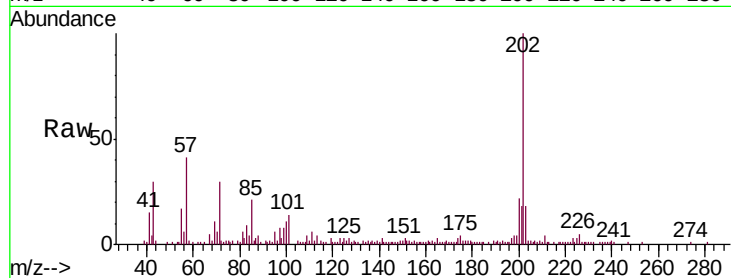
#78  
Pvrene  
Concen: 3.003 ng  
RT: 12.76 min Scan# 1815  
Delta R.T. -0.02 min  
Lab File: BF116463.D  
Acq: 21 Aug 2019 14:08

Instrument :  
BNA\_F  
ClientSampleId :  
SUNSET-PARK-SB-4-COMP

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 52495 |       |       |
| 200     | 21.7  |       | 18.0  | 27.0  |
| 203     | 18.1  |       | 14.1  | 21.1  |

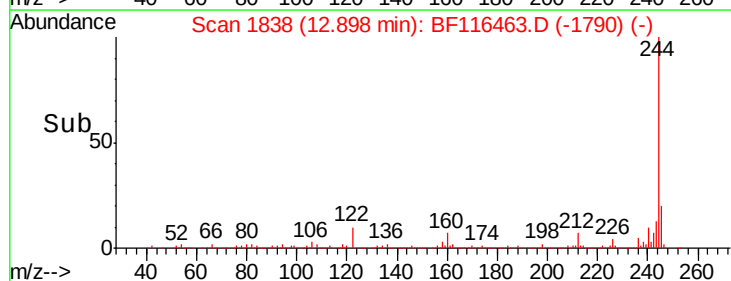
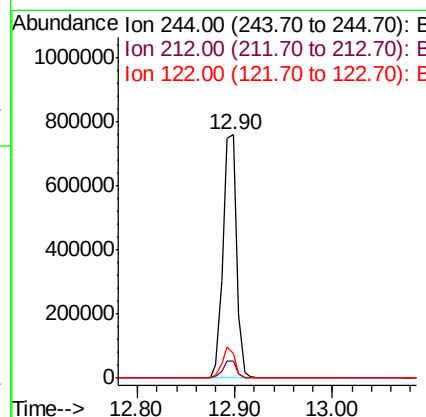
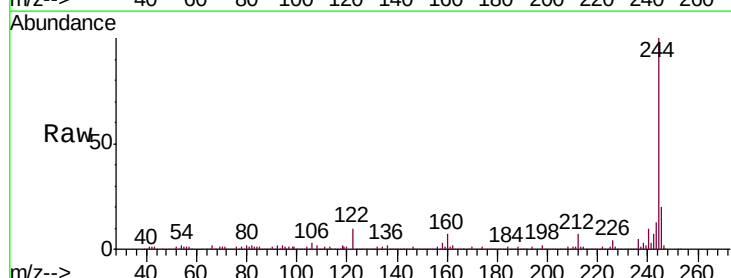
Manual Integrations  
APPROVED

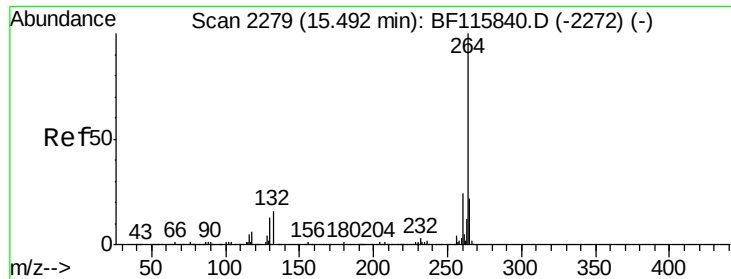
Jagrut  
8/22/2019 1:58:14 PM



#79  
Terphenyl-d14  
Concen: 67.131 ng  
RT: 12.90 min Scan# 1838  
Delta R.T. -0.02 min  
Lab File: BF116463.D  
Acq: 21 Aug 2019 14:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 738802 |       |       |
| 212     | 6.8   |        | 5.8   | 8.8   |
| 122     | 10.4  |        | 9.0   | 13.4  |





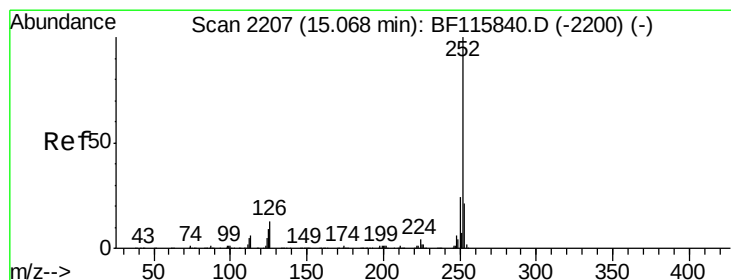
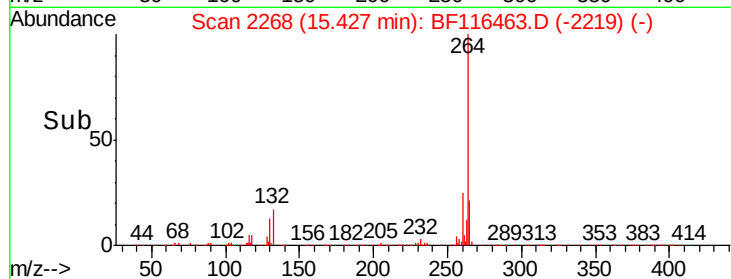
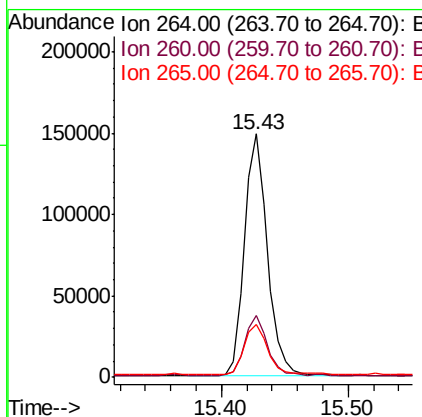
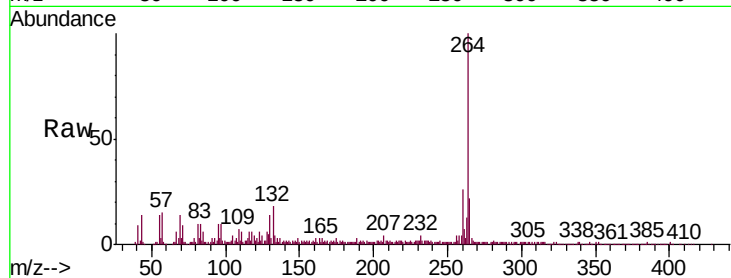
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2268  
Delta R.T. -0.01 min  
Lab File: BF116463.D  
Acq: 21 Aug 2019 14:08

Instrument :  
BNA\_F  
ClientSampleId :  
SUNSET-PARK-SB-4-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.5  | 19.7  | 29.5  |
| 265     | 21.9  | 17.4  | 26.0  |

Manual Integrations  
APPROVED

Jagrut  
8/22/2019 1:58:14 PM



#88  
Benzo(b)fluoranthene  
Concen: 2.502 ng m  
RT: 15.01 min Scan# 2197  
Delta R.T. -0.01 min  
Lab File: BF116463.D  
Acq: 21 Aug 2019 14:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 33.5  | 17.8  | 26.8# |
| 125     | 39.7  | 8.4   | 12.6# |

