

Data File : BF114749.D  
Acq On : 1 Jun 2019 11:46  
Operator : HP/JU  
Sample : K3097-05  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
0425-HR-5(HACKENSACK)

Quant Time: Jun 03 01:34:40 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF052919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 29 19:08:51 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.69  | 152  | 394222   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.97  | 136  | 1514208  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.72  | 164  | 747978   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.19 | 188  | 1464121  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.81 | 240  | 986057   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.20 | 264  | 992493   | 20.00 | ng    | 0.00     |

|                             |       |     |         |       |    |      |
|-----------------------------|-------|-----|---------|-------|----|------|
| System Monitoring Compounds |       |     |         |       |    |      |
| 5) 2-Fluorophenol           | 5.30  | 112 | 2076761 | 92.49 | ng | 0.01 |
| 7) Phenol-d6                | 6.33  | 99  | 2523852 | 93.28 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.25  | 82  | 1536927 | 63.33 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330 | 633483  | 88.88 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.05  | 172 | 2618561 | 61.30 | ng | 0.00 |
| 79) Terphenyl-d14           | 12.77 | 244 | 2801491 | 53.42 | ng | 0.00 |

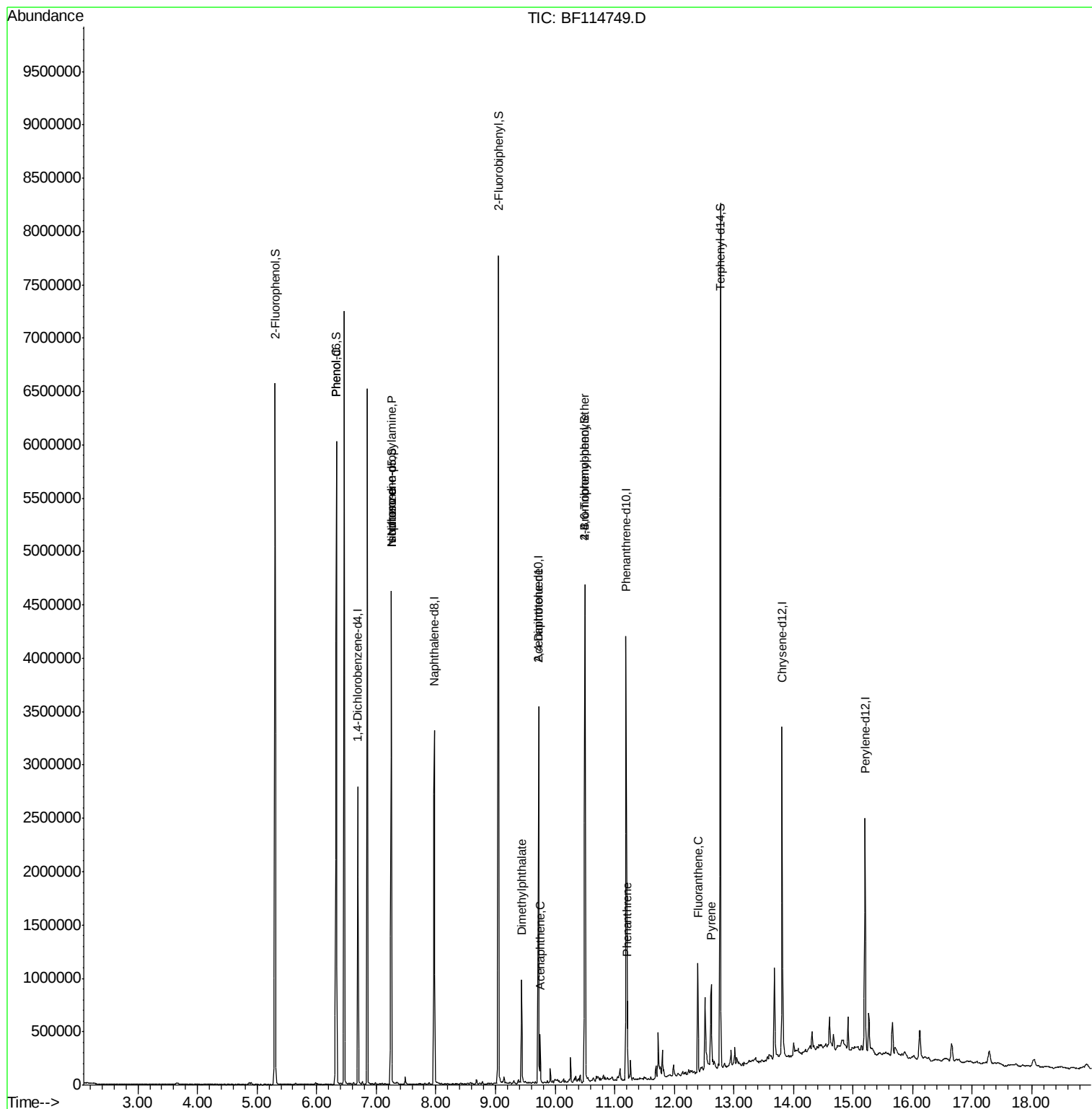
|                                |       |     |         |           |   |    |
|--------------------------------|-------|-----|---------|-----------|---|----|
| Target Compounds               |       |     |         | Qvalue    |   |    |
| 9) Benzaldehyde                | 6.33  | 77  | 5168    | Below Cal | # | 1  |
| 10) Phenol                     | 6.34  | 94  | 104624  | 3.201 ng  |   | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.25  | 70  | 208698  | 11.174 ng | # | 75 |
| 25) Isophorone                 | 7.25  | 82  | 1487664 | 30.543 ng | # | 63 |
| 50) Dimethylphthalate          | 9.44  | 163 | 370642  | 7.111 ng  |   | 98 |
| 52) Acenaphthene               | 9.75  | 154 | 90648   | 2.101 ng  |   | 97 |
| 57) 2,4-Dinitrotoluene         | 9.72  | 165 | 98101   | 6.312 ng  | # | 23 |
| 58) Fluorene                   | 10.26 | 166 | 63206   | Below Cal |   | 99 |
| 67) 4-Bromophenyl-phenylether  | 10.50 | 248 | 40875   | 2.603 ng  | # | 1  |
| 71) Phenanthrene               | 11.22 | 178 | 237801  | 3.184 ng  |   | 95 |
| 74) Di-n-butylphthalate        | 11.77 | 149 | 3352    | Below Cal | # | 70 |
| 75) Fluoranthene               | 12.40 | 202 | 429322  | 5.551 ng  |   | 94 |
| 78) Pyrene                     | 12.62 | 202 | 306144  | 3.670 ng  |   | 95 |

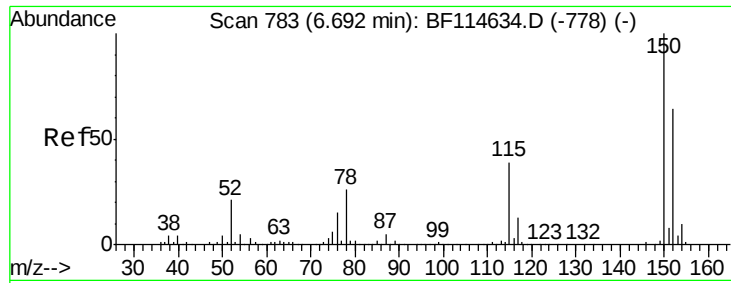
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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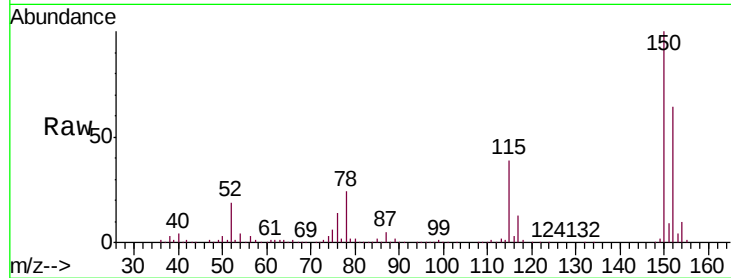


#1

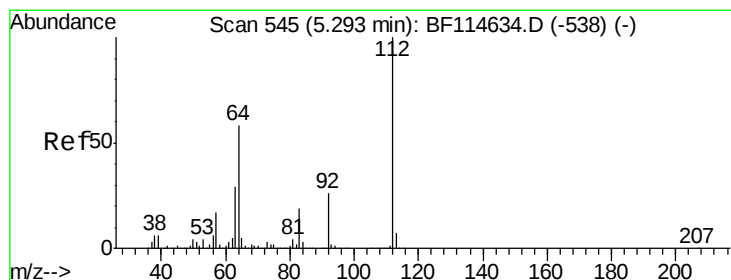
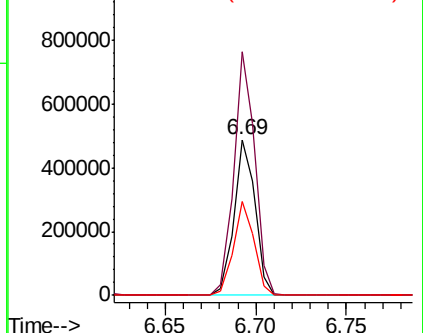
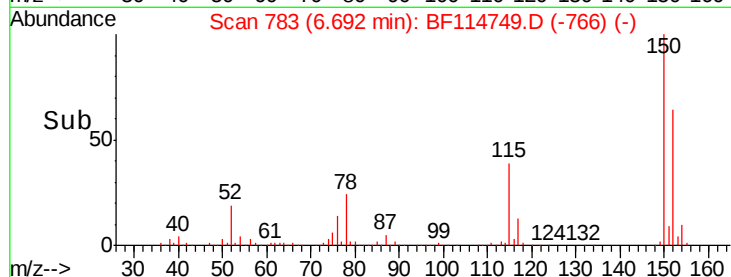
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

Instrument :  
BNA\_F  
ClientSampleId :  
0425-HR-5(HACKENSACK)

Tgt Ion:152 Resp: 394222  
Ion Ratio Lower Upper  
152 100  
150 156.2 124.4 186.6  
115 60.5 48.7 73.1



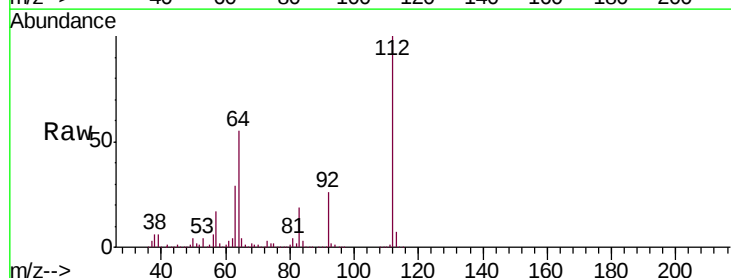
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



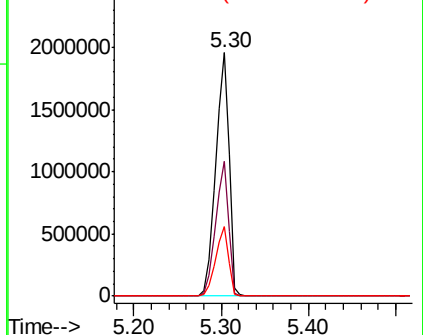
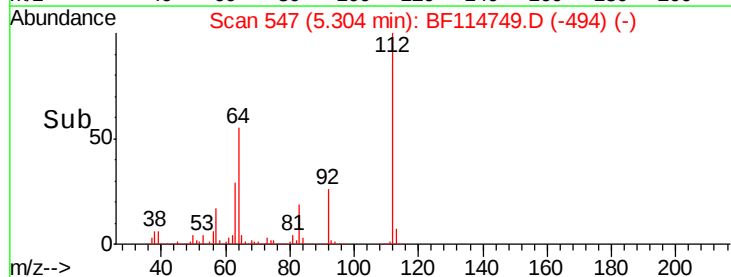
#5

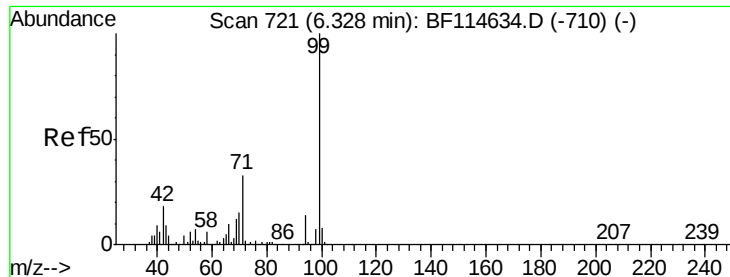
2-Fluorophenol  
Concen: 92.491 ng  
RT: 5.30 min Scan# 547  
Delta R.T. 0.01 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

Tgt Ion:112 Resp: 2076761  
Ion Ratio Lower Upper  
112 100  
64 55.5 46.1 69.1  
63 28.8 23.4 35.2



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: 93.277 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114749.D

Acq: 1 Jun 2019 11:46

Instrument :

BNA\_F

ClientSampleId :

0425-HR-5(HACKENSACK)

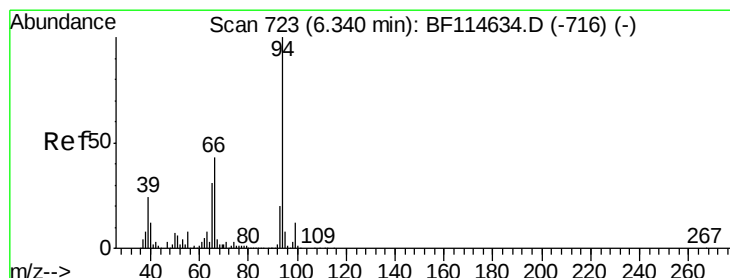
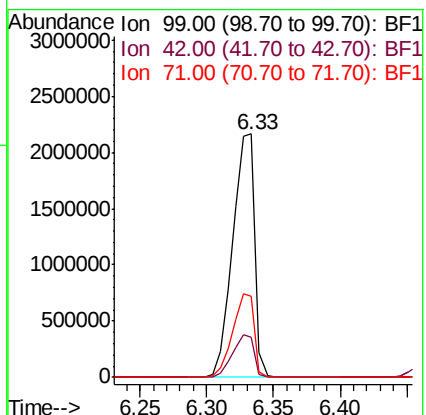
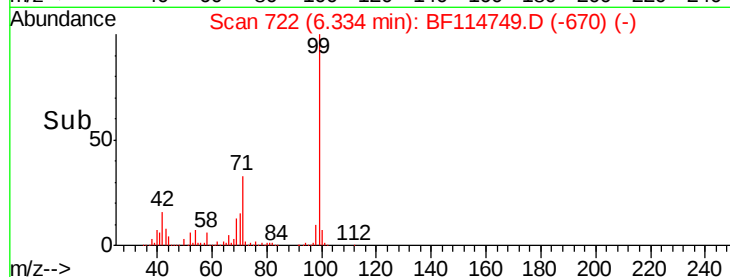
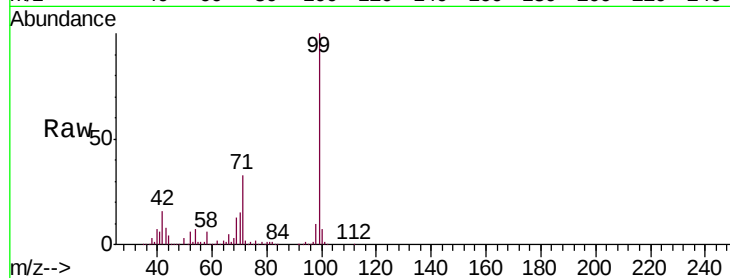
Tgt Ion: 99 Resp: 2523852

Ion Ratio Lower Upper

99 100

42 16.5 14.7 22.1

71 33.3 26.6 40.0



#10

Phenol

Concen: 3.201 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF114749.D

Acq: 1 Jun 2019 11:46

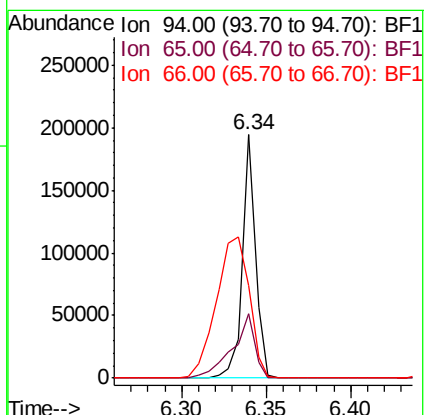
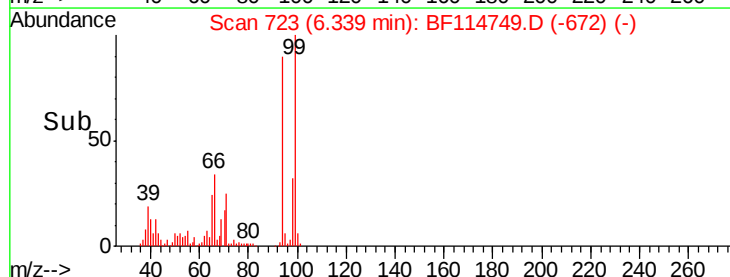
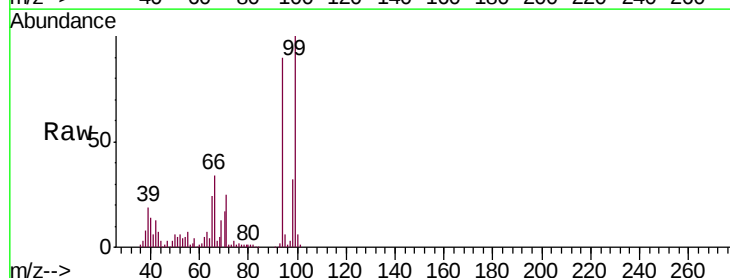
Tgt Ion: 94 Resp: 104624

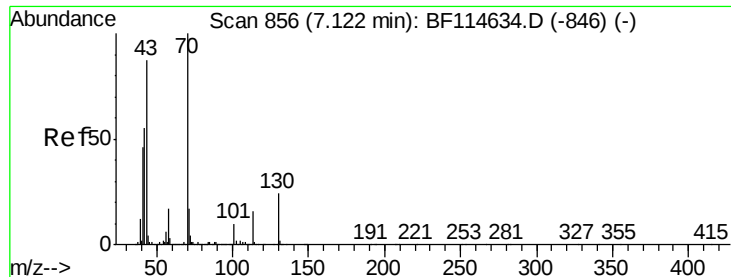
Ion Ratio Lower Upper

94 100

65 26.3 11.0 51.0

66 37.8 23.0 63.0

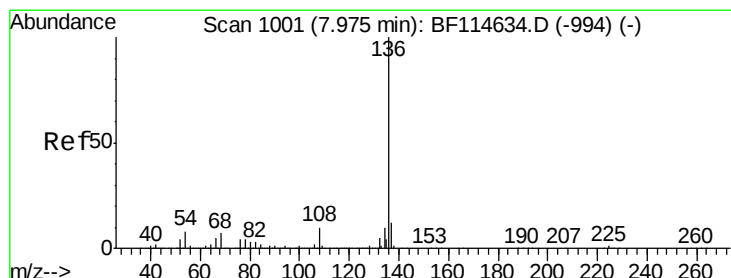
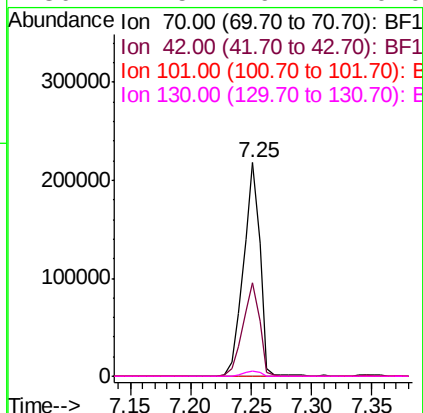
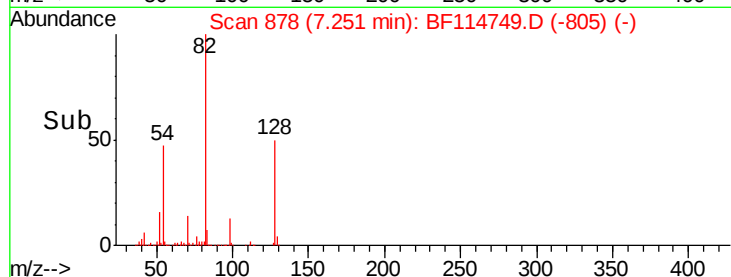
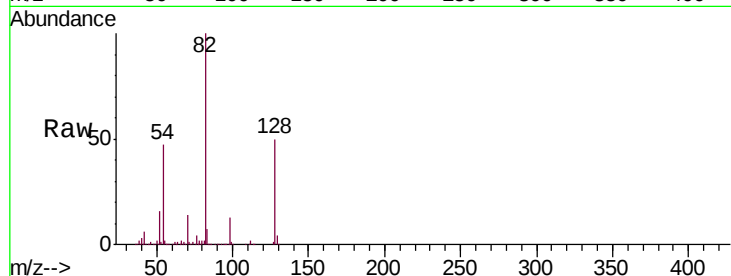




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.174 ng  
RT: 7.25 min Scan# 878  
Delta R.T. 0.13 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

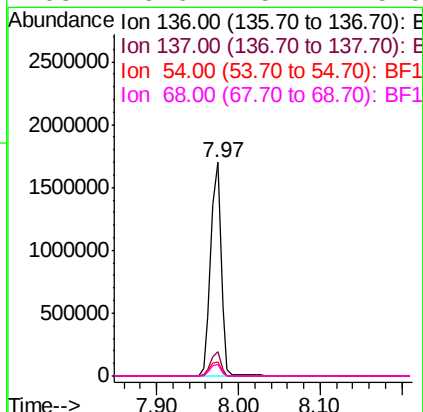
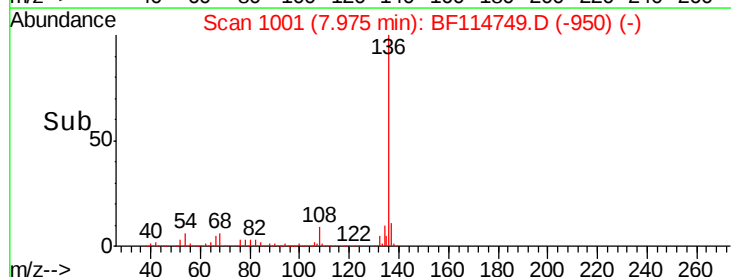
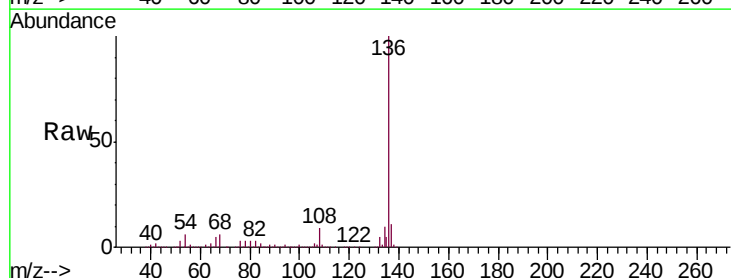
Instrument :  
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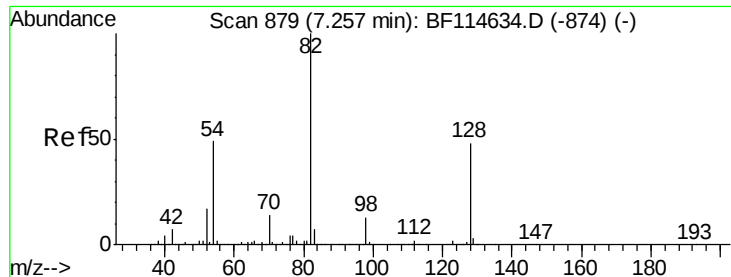
Tgt Ion: 70 Resp: 208698  
Ion Ratio Lower Upper  
70 100  
42 44.0 44.4 66.6#  
101 0.0 8.2 12.4#  
130 2.5 19.4 29.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.00 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

Tgt Ion: 136 Resp: 1514208  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.3 13.9  
54 6.4 6.3 9.5  
68 5.6 5.4 8.0

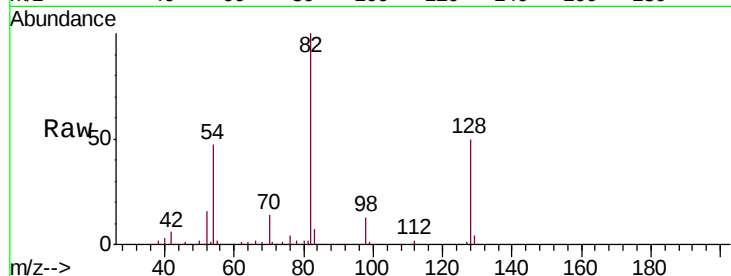




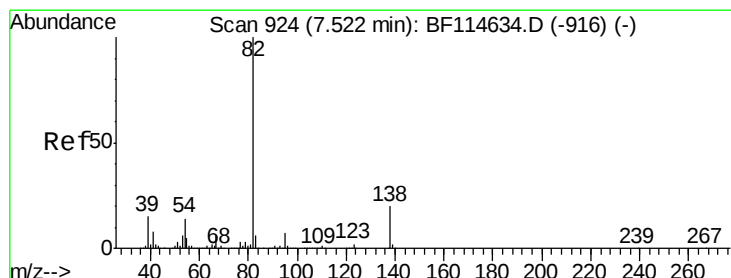
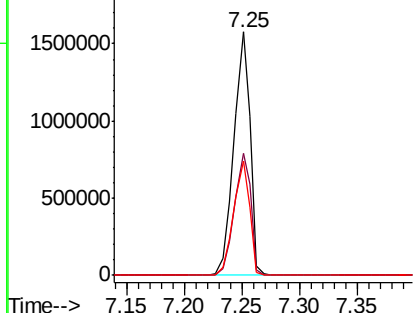
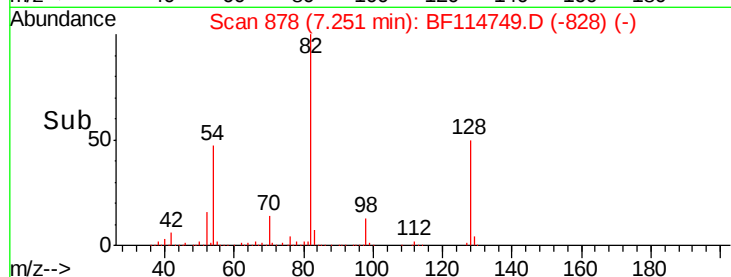
#23  
 Nitrobenzene-d5  
 Concen: 63.325 ng  
 RT: 7.25 min Scan# 878  
 Delta R.T. -0.01 min  
 Lab File: BF114749.D  
 Acq: 1 Jun 2019 11:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 0425-HR-5(HACKENSACK)

Tgt Ion: 82 Resp: 1536927  
 Ion Ratio Lower Upper  
 82 100  
 128 49.9 38.5 57.7  
 54 47.1 39.1 58.7

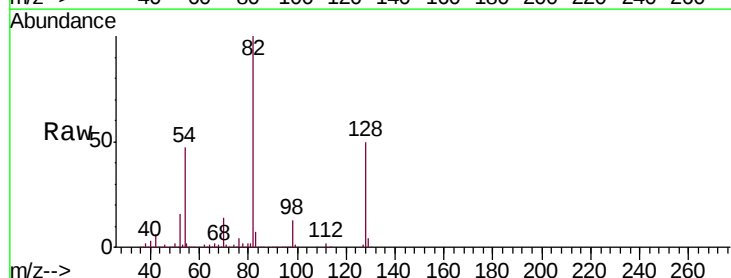


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

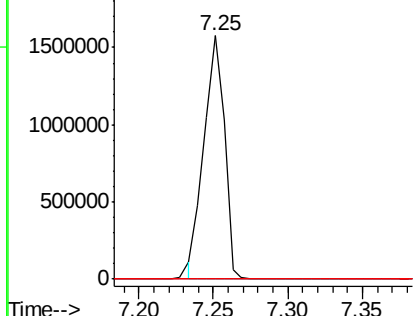
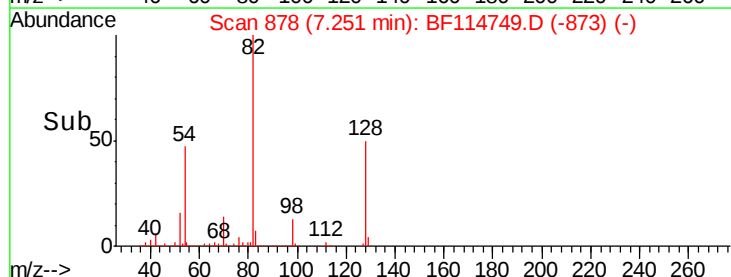


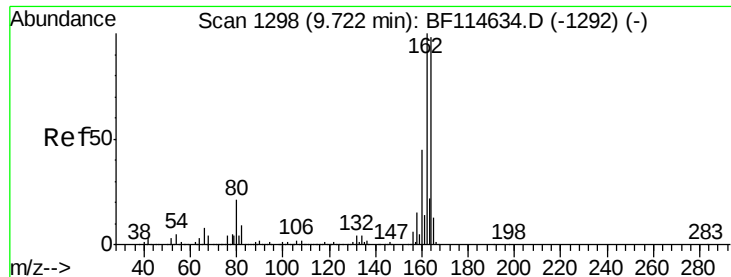
#25  
 Isophorone  
 Concen: 30.543 ng  
 RT: 7.25 min Scan# 878  
 Delta R.T. -0.27 min  
 Lab File: BF114749.D  
 Acq: 1 Jun 2019 11:46

Tgt Ion: 82 Resp: 1487664  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.6 8.4#  
 138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 138.00 (137.70 to 138.70): BF1

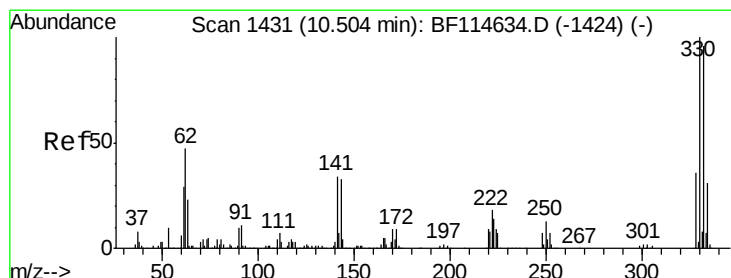
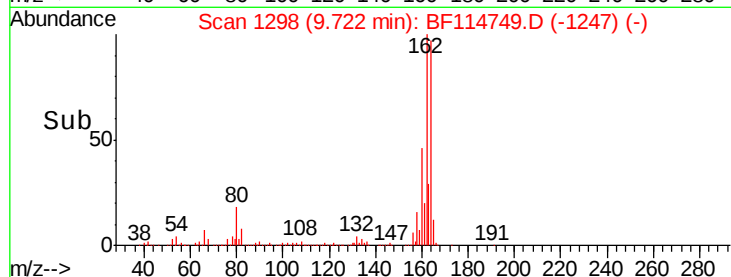
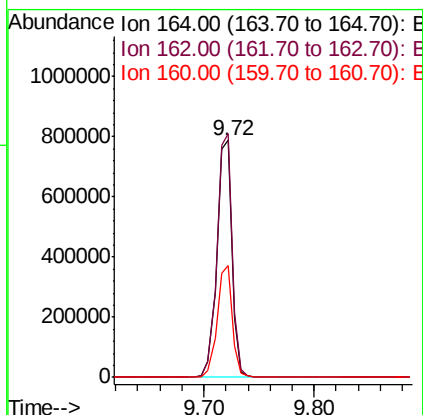
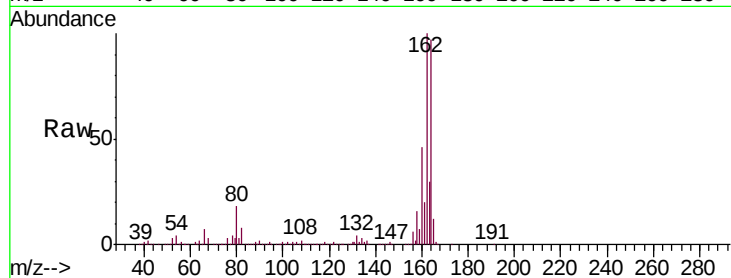




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. -0.00 min  
 Lab File: BF114749.D  
 Acq: 1 Jun 2019 11:46

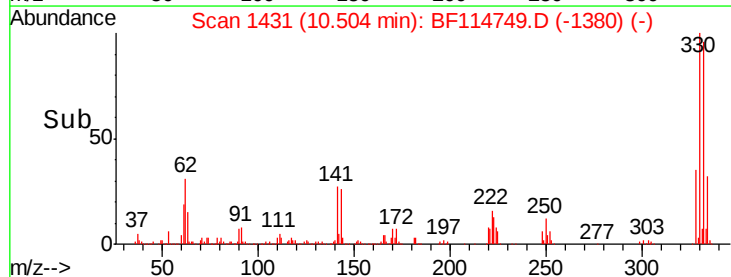
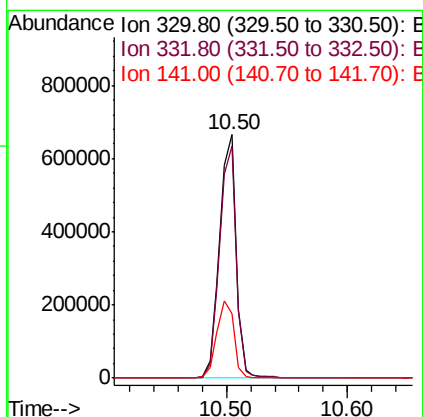
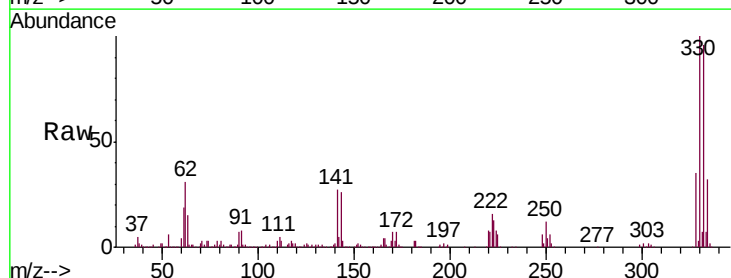
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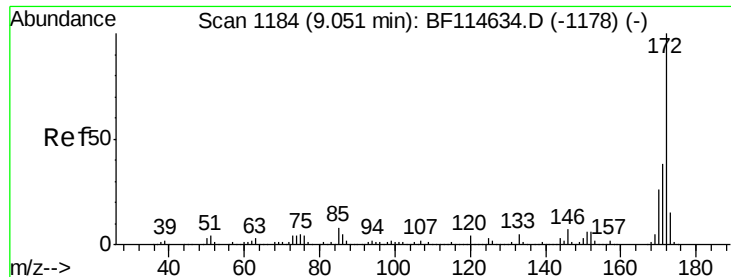
Tgt Ion:164 Resp: 747978  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 81.4 122.2  
 160 47.0 36.6 54.8



#42  
 2,4,6-Tribromophenol  
 Concen: 88.884 ng  
 RT: 10.50 min Scan# 1431  
 Delta R.T. -0.00 min  
 Lab File: BF114749.D  
 Acq: 1 Jun 2019 11:46

Tgt Ion:330 Resp: 633483  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 75.8 113.8  
 141 33.3 27.8 41.8

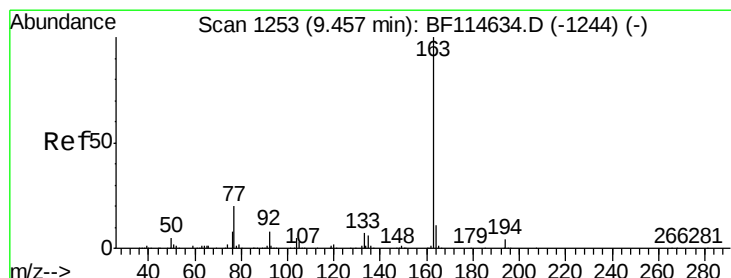
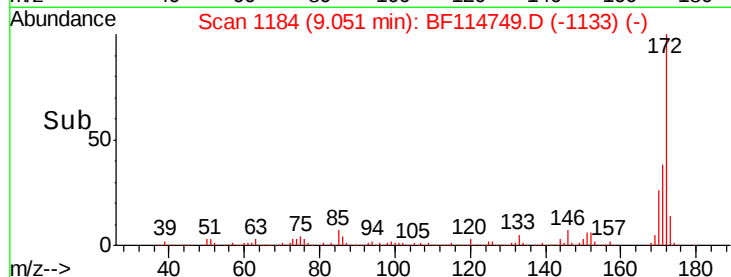
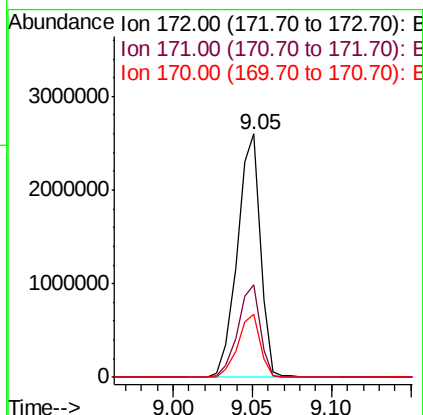
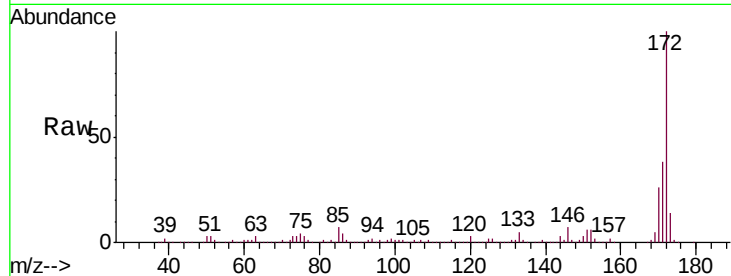




#45  
2-Fluorobiphenyl  
Concen: 61.302 ng  
RT: 9.05 min Scan# 1184  
Delta R.T. 0.00 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

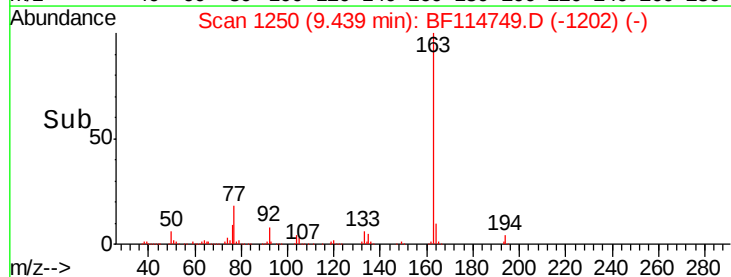
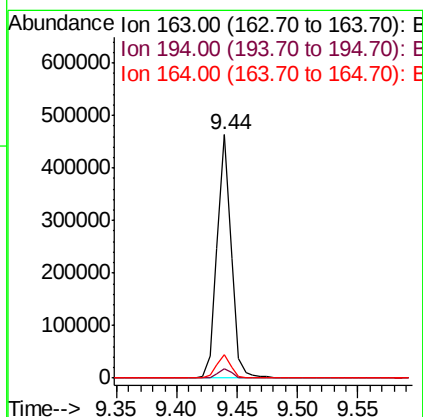
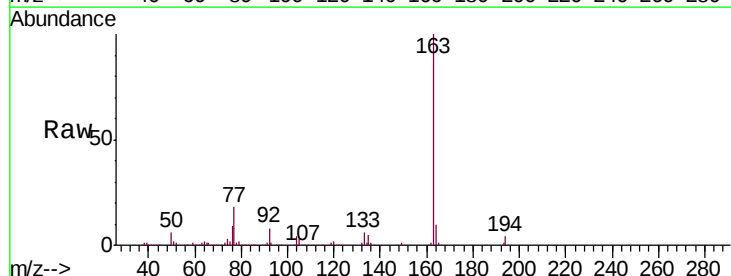
Instrument :  
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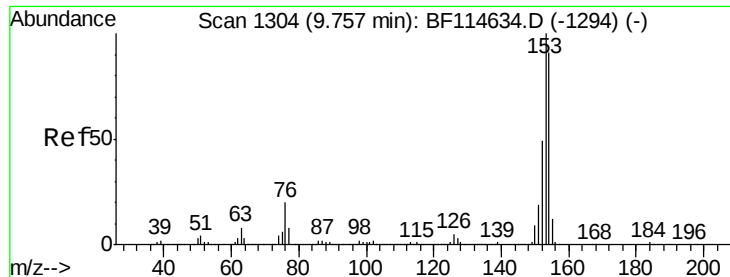
Tgt Ion:172 Resp: 2618561  
Ion Ratio Lower Upper  
172 100  
171 38.0 30.6 45.8  
170 26.2 20.7 31.1



#50  
Dimethylphthalate  
Concen: 7.111 ng  
RT: 9.44 min Scan# 1250  
Delta R.T. -0.02 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

Tgt Ion:163 Resp: 370642  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.0  
164 9.7 8.6 13.0





#52

Acenaphthene

Concen: 2.101 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF114749.D

Acq: 1 Jun 2019 11:46

Instrument :

BNA\_F

ClientSampleId :

0425-HR-5(HACKENSACK)

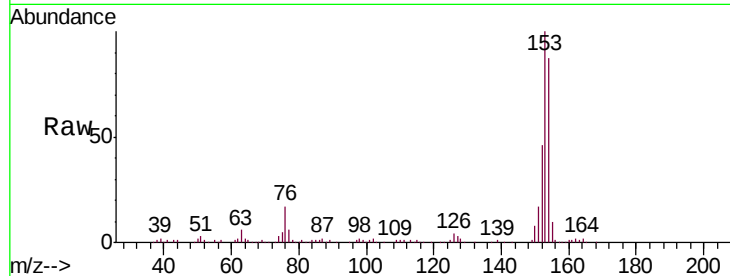
Tgt Ion:154 Resp: 90648

Ion Ratio Lower Upper

154 100

153 114.4 88.4 132.6

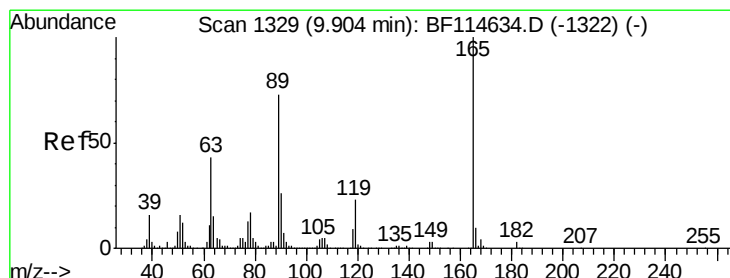
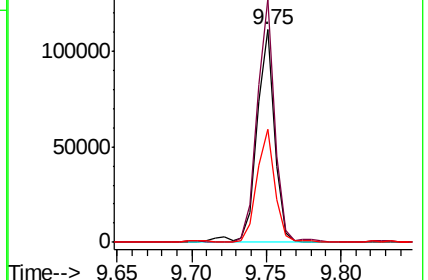
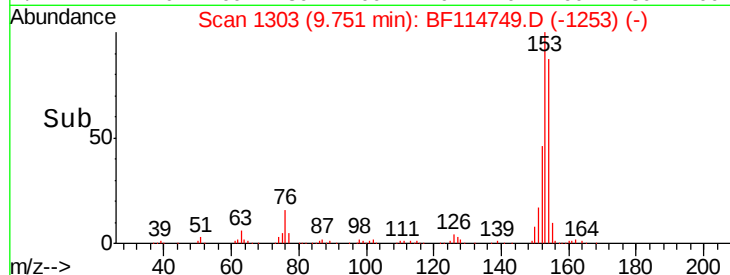
152 53.1 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 6.312 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.19 min

Lab File: BF114749.D

Acq: 1 Jun 2019 11:46

Tgt Ion:165 Resp: 98101

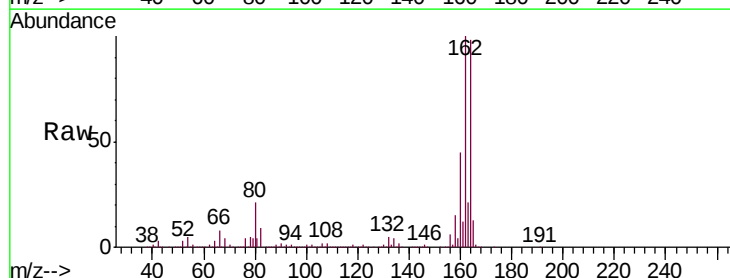
Ion Ratio Lower Upper

165 100

63 0.9 34.8 52.2#

89 1.2 58.5 87.7#

182 0.0 2.2 3.2#

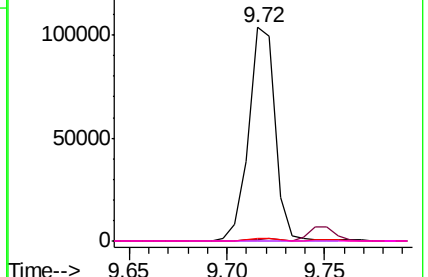
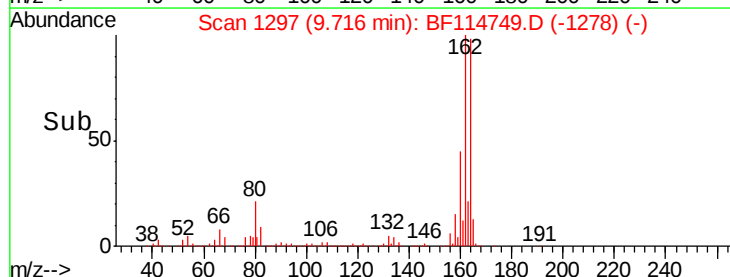


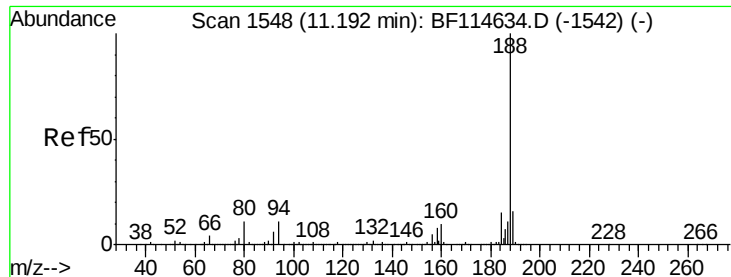
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

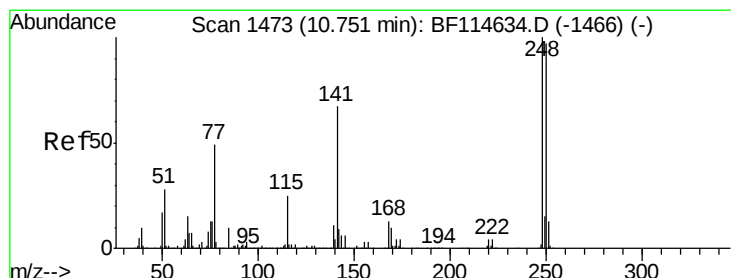
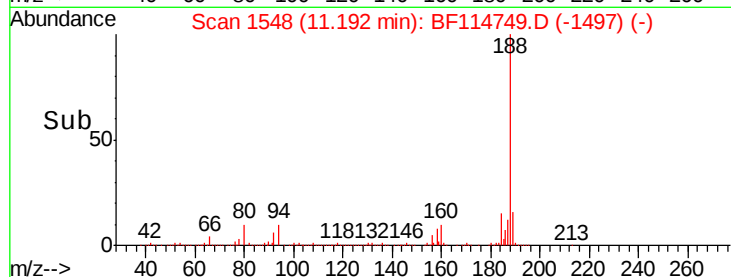
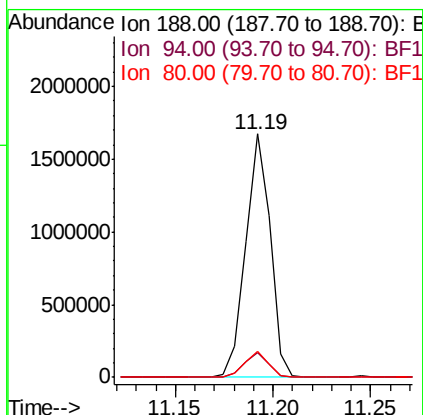
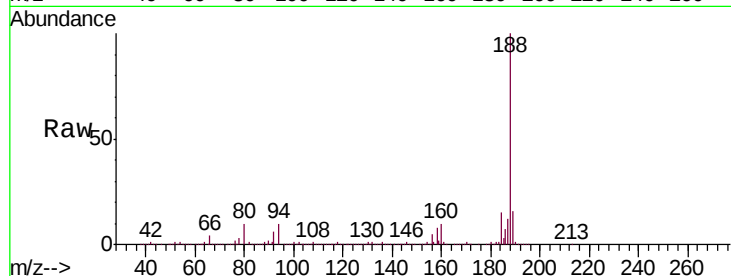




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.19 min Scan# 1548  
Delta R.T. -0.00 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

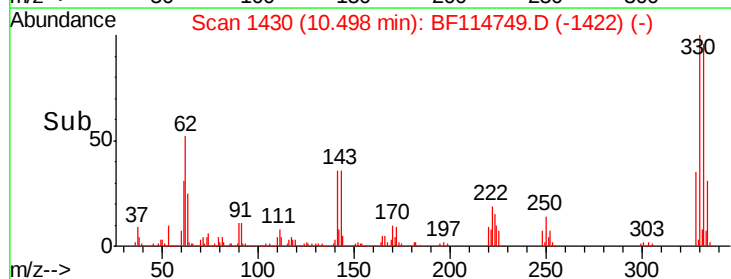
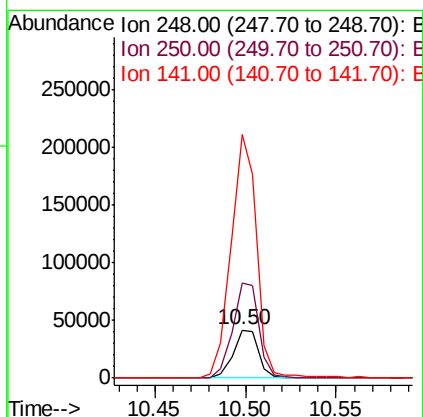
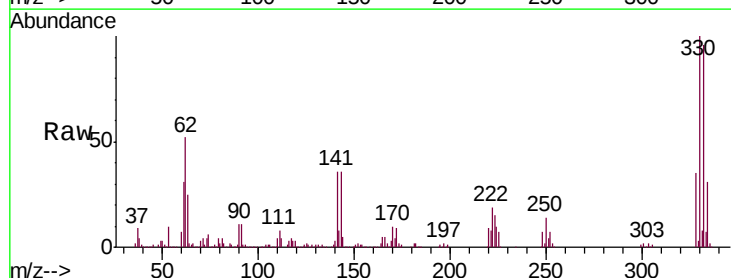
Instrument :  
BNA\_F  
ClientSampleId :  
0425-HR-5(HACKENSACK)

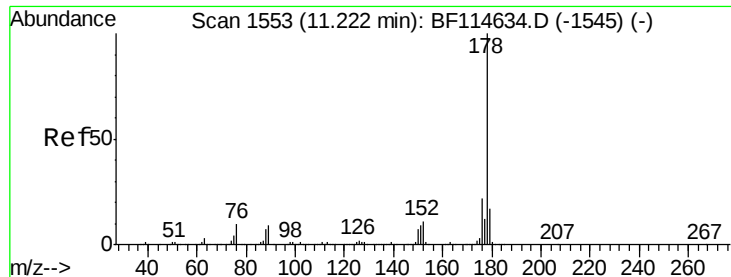
Tgt Ion:188 Resp: 1464121  
Ion Ratio Lower Upper  
188 100  
94 10.0 8.6 13.0  
80 10.5 9.0 13.6



#67  
4-Bromophenyl-phenylether  
Concen: 2.603 ng  
RT: 10.50 min Scan# 1430  
Delta R.T. -0.25 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

Tgt Ion:248 Resp: 40875  
Ion Ratio Lower Upper  
248 100  
250 196.1 78.0 117.0#  
141 503.8 53.8 80.8#

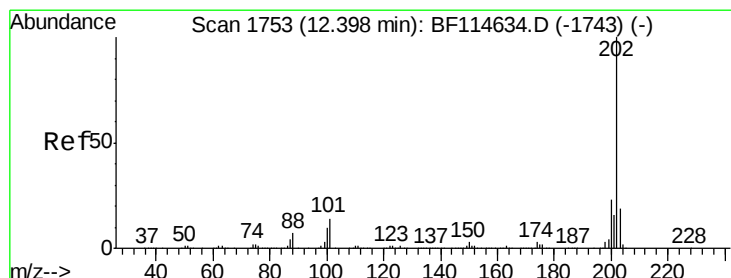
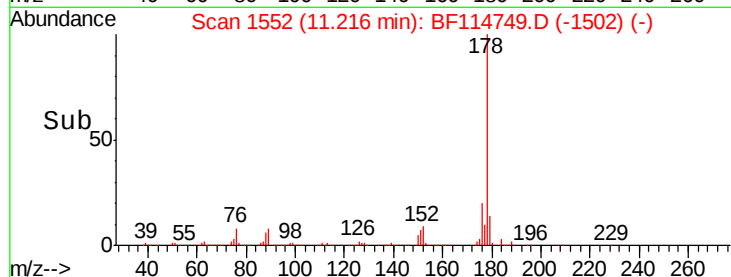
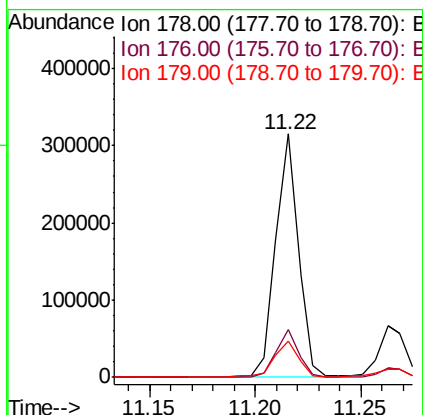
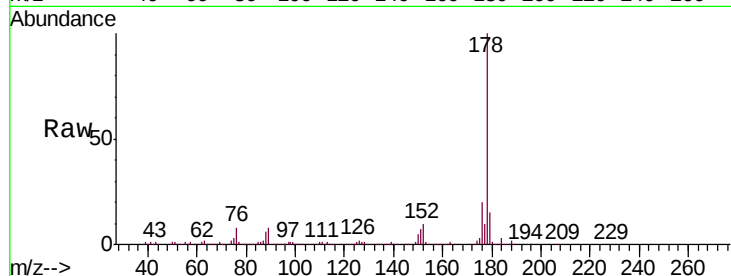




#71  
Phenanthrene  
Concen: 3.184 ng  
RT: 11.22 min Scan# 1552  
Delta R.T. -0.01 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

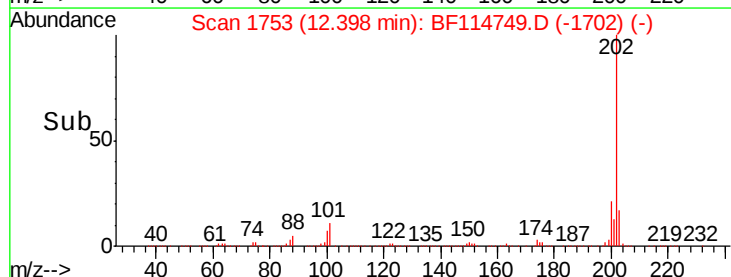
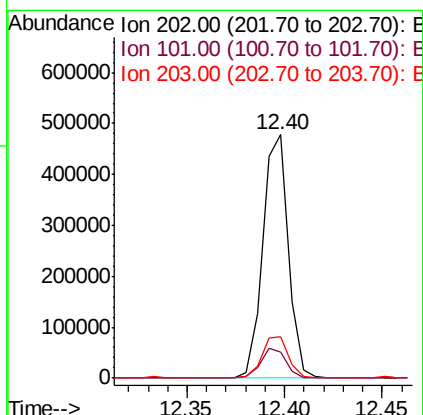
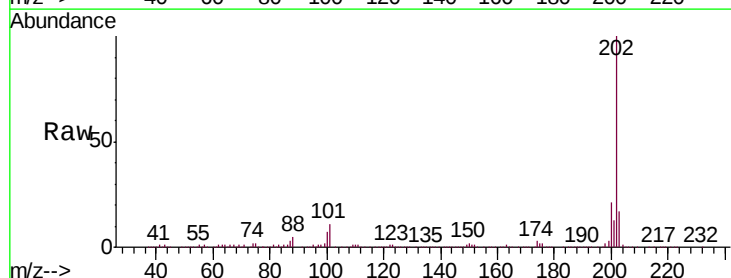
Instrument :  
BNA\_F  
ClientSampleId :  
0425-HR-5(HACKENSACK)

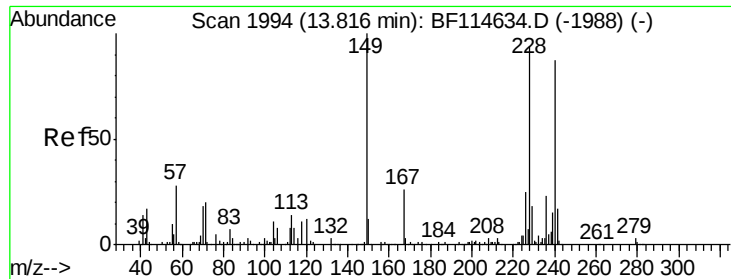
Tgt Ion:178 Resp: 237801  
Ion Ratio Lower Upper  
178 100  
176 19.7 17.2 25.8  
179 14.8 13.9 20.9



#75  
Fluoranthene  
Concen: 5.551 ng  
RT: 12.40 min Scan# 1753  
Delta R.T. 0.00 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

Tgt Ion:202 Resp: 429322  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 33.9  
203 17.2 0.0 39.1

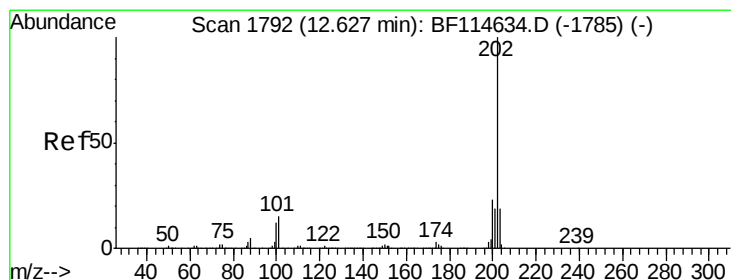
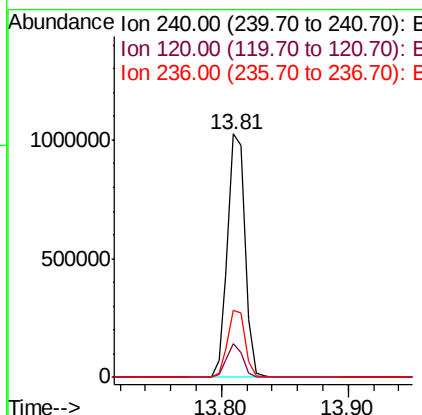
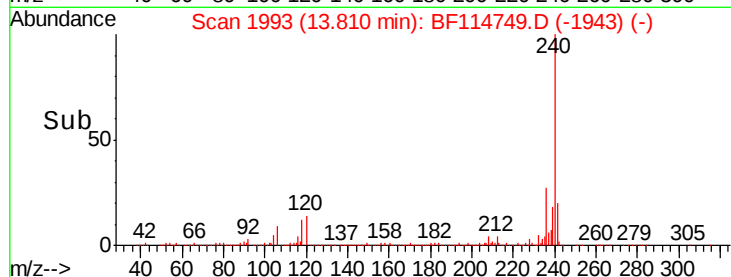
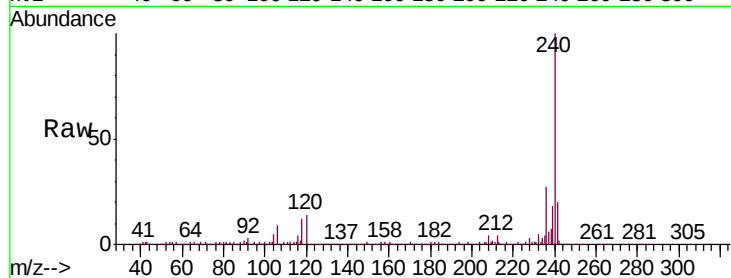




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.81 min Scan# 1993  
Delta R.T. -0.01 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

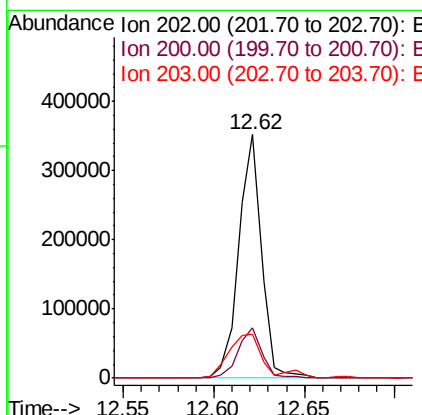
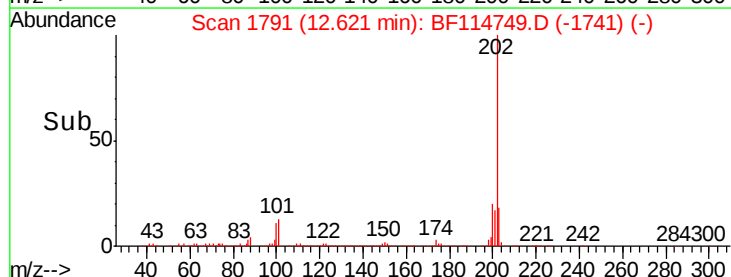
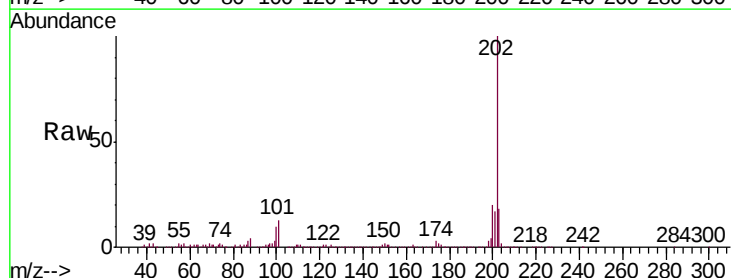
Instrument :  
BNA\_F  
ClientSampleId :  
0425-HR-5(HACKENSACK)

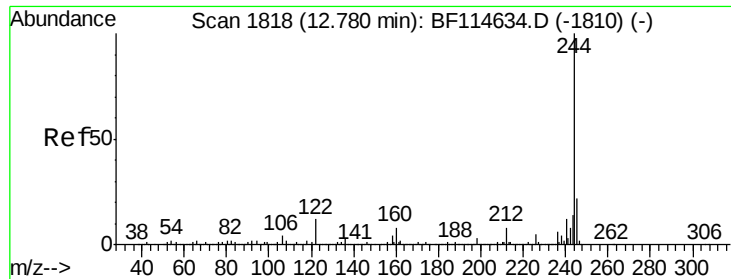
Tgt Ion:240 Resp: 986057  
Ion Ratio Lower Upper  
240 100  
120 13.7 11.2 16.8  
236 27.3 21.2 31.8



#78  
Pyrene  
Concen: 3.670 ng  
RT: 12.62 min Scan# 1791  
Delta R.T. -0.01 min  
Lab File: BF114749.D  
Acq: 1 Jun 2019 11:46

Tgt Ion:202 Resp: 306144  
Ion Ratio Lower Upper  
202 100  
200 20.4 18.6 28.0  
203 17.8 15.4 23.2





#79

Terphenyl-d14

Concen: 53.417 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF114749.D

Acq: 1 Jun 2019 11:46

Instrument :

BNA\_F

ClientSampleId :

0425-HR-5(HACKENSACK)

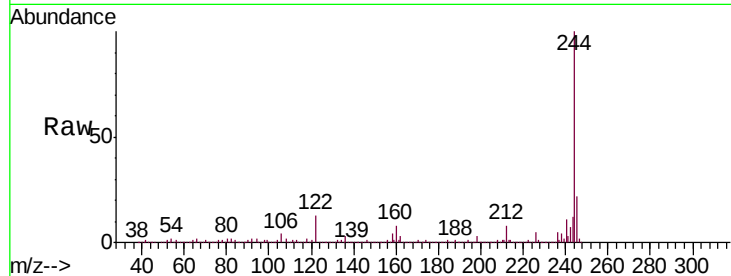
Tgt Ion:244 Resp: 2801491

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

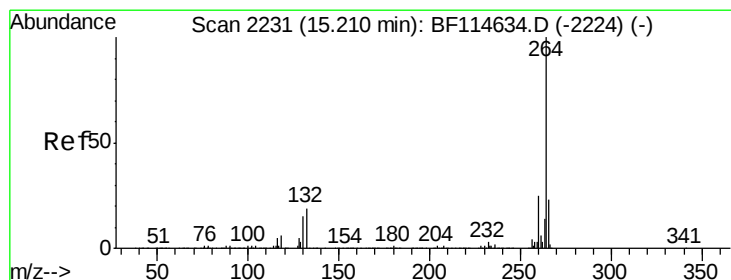
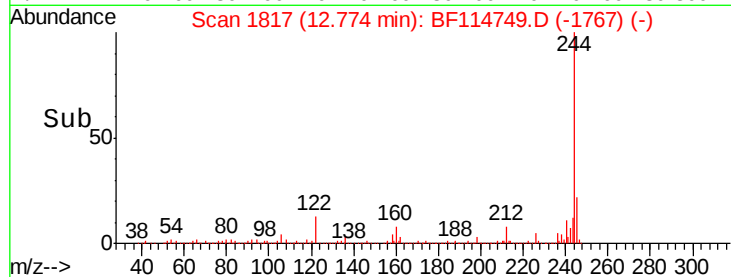
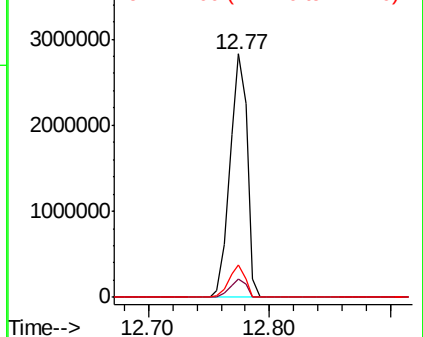
122 13.3 9.8 14.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF114749.D

Acq: 1 Jun 2019 11:46

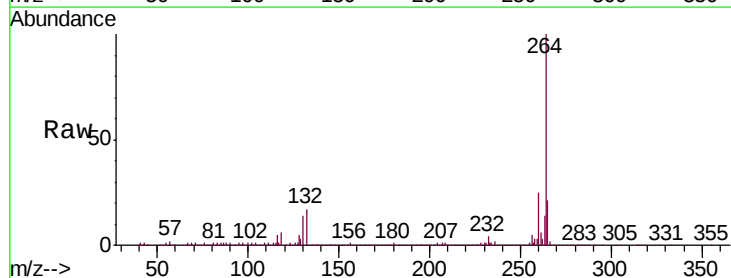
Tgt Ion:264 Resp: 992493

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

265 21.4 18.1 27.1



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

