

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\  
 Data File : BF083292.D  
 Acq On : 26 Nov 2015 00:16  
 Operator : UM/IZ  
 Sample : G4569-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IM-CLAY-001

Manual Integrations  
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 11/26/2015 6:43:45 PM

Quant Time: Nov 26 03:11:51 2015  
 Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Nov 22 09:22:46 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.58  | 152  | 153567m  | 20.00  | ng    | -0.08         |
| 21) Naphthalene-d8          | 7.87  | 136  | 577022   | 20.00  | ng    | -0.08         |
| 38) Acenaphthene-d10        | 9.62  | 164  | 268526   | 20.00  | ng    | -0.08         |
| 63) Phenanthrene-d10        | 11.10 | 188  | 425049   | 20.00  | ng    | -0.08         |
| 75) Chrysene-d12            | 13.73 | 240  | 395517   | 20.00  | ng    | -0.08         |
| 86) Perylene-d12            | 15.07 | 264  | 365354   | 20.00  | ng    | -0.09         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.19  | 112  | 1316072  | 129.57 | ng    | -0.09         |
| 7) Phenol-d6                | 6.26  | 99   | 1880865  | 143.11 | ng    | -0.08         |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 1199902  | 95.02  | ng    | -0.07         |
| 41) 2,4,6-Tribromophenol    | 10.41 | 330  | 252702   | 91.99  | ng    | -0.08         |
| 44) 2-Fluorobiphenyl        | 8.96  | 172  | 1606453  | 83.42  | ng    | -0.07         |
| 78) Terphenyl-d14           | 12.68 | 244  | 1045708  | 62.26  | ng    | -0.08         |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.36  | 163  | 334753   | 16.19  | ng    | Qvalue<br>100 |

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

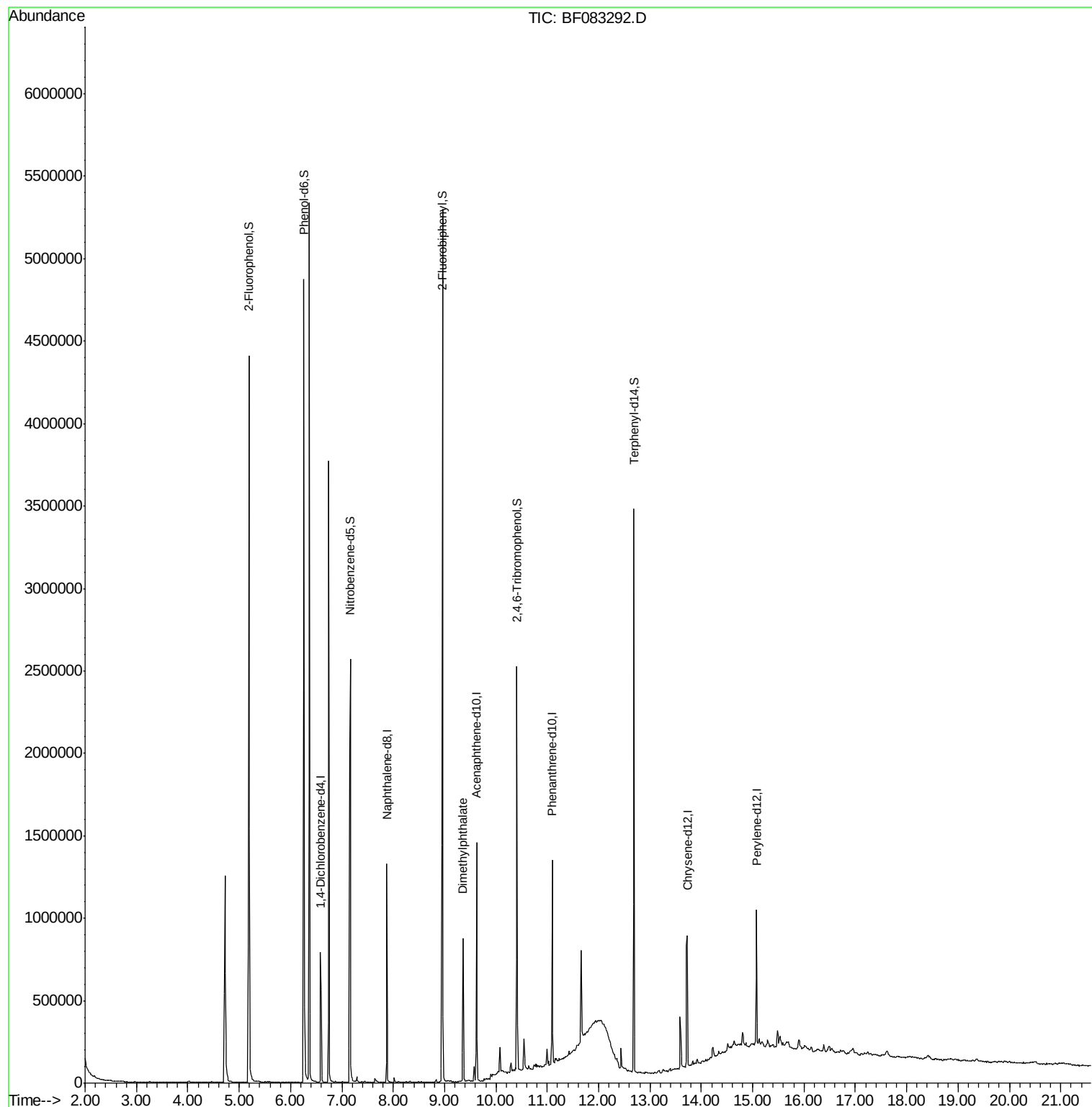
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\  
Data File : BF083292.D  
Acq On : 26 Nov 2015 00:16  
Operator : UM/IZ  
Sample : G4569-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

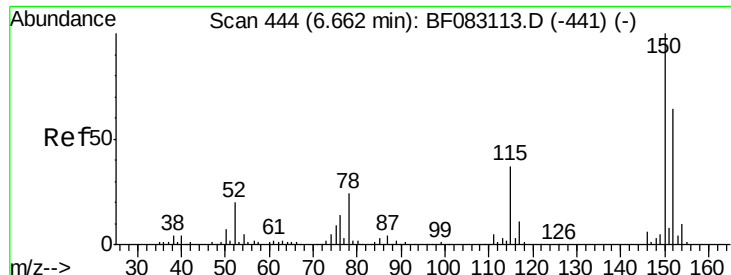
Instrument :  
BNA\_F  
ClientSampleId :  
IM-CLAY-001

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Quant Time: Nov 26 03:11:51 2015  
Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Nov 22 09:22:46 2015  
Response via : Initial Calibration





#1

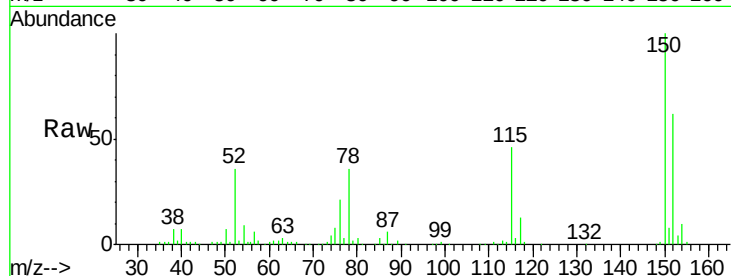
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng/mL  
RT: 6.58 min Scan# 402  
Delta R.T. -0.08 min  
Lab File: BF083292.D  
Acq: 26 Nov 2015 00:16

Instrument :  
BNA\_F  
ClientSampleId :  
IM-CLAY-001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.5 | 125.8 | 188.8 |
| 115     | 74.5  | 46.9  | 70.3  |

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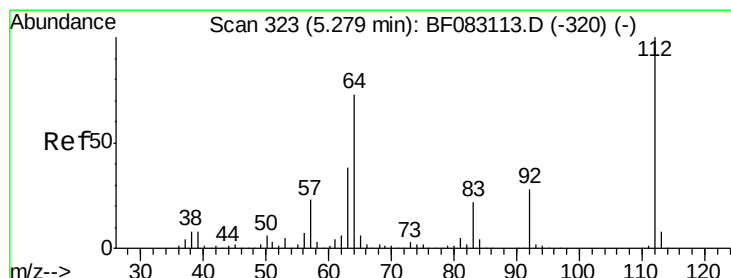
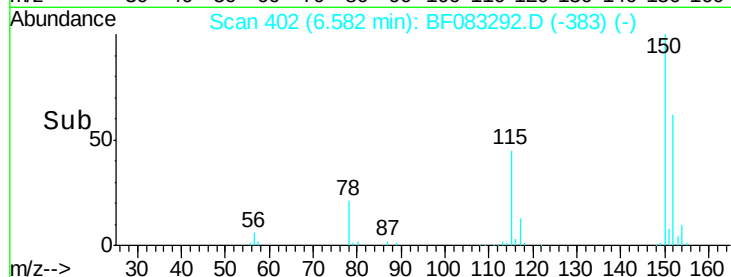
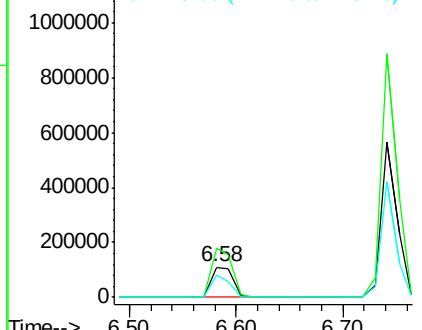


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

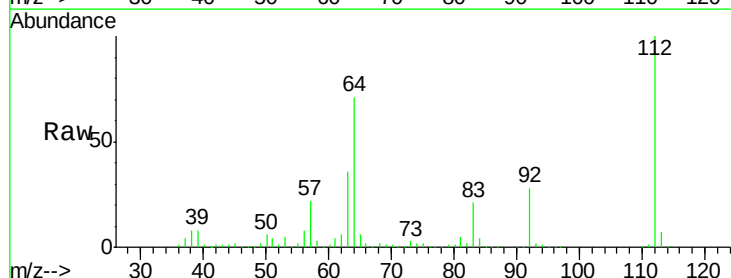
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 129.57 ng  
RT: 5.19 min Scan# 280  
Delta R.T. -0.09 min  
Lab File: BF083292.D  
Acq: 26 Nov 2015 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.5  | 58.4  | 87.6  |
| 63      | 36.4  | 30.0  | 45.0  |

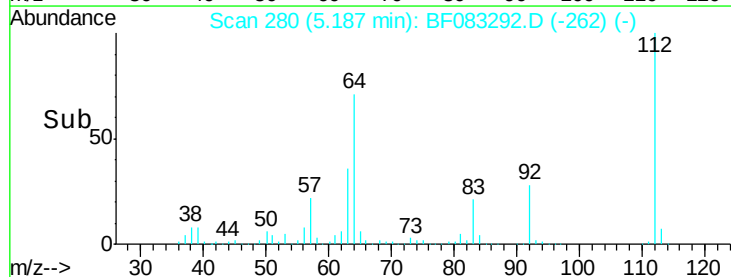
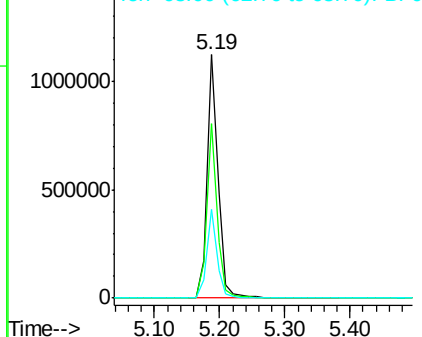


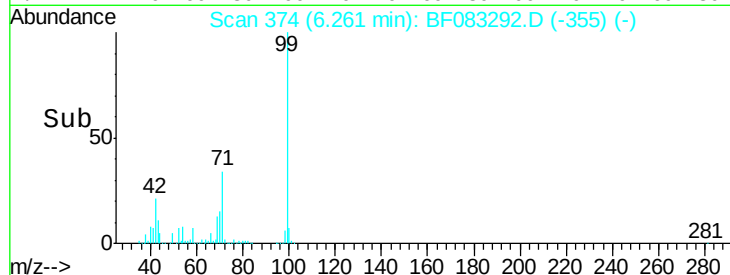
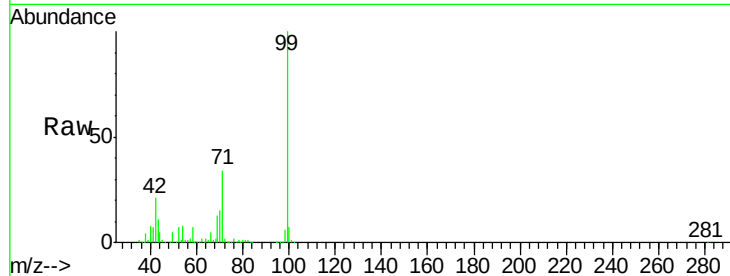
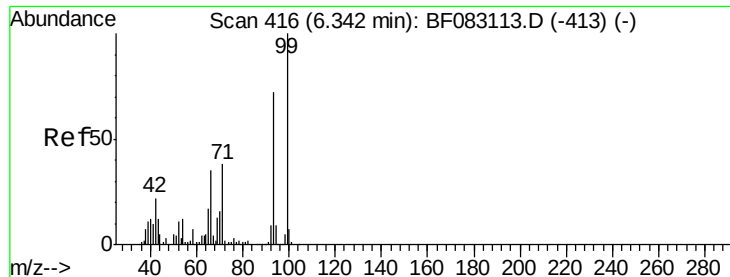
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.11 ng

RT: 6.26 min Scan# 374

Delta R.T. -0.08 min

Lab File: BF083292.D

Acq: 26 Nov 2015 00:16

Tot Ion: 99 Resp: 1880865

Ion Ratio Lower Upper

99 100

42 21.5 17.7 26.5

71 34.5 30.2 45.4

Instrument :

BNA\_F

ClientSampleId :

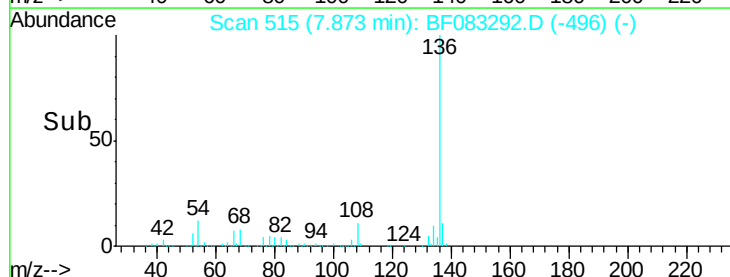
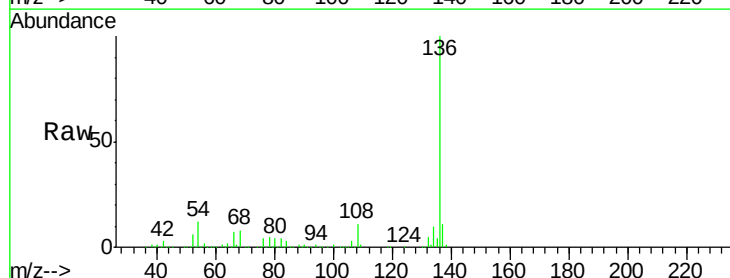
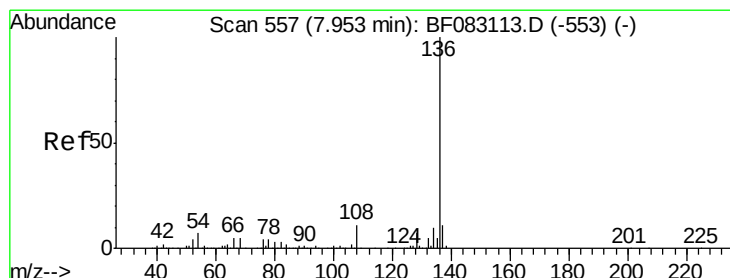
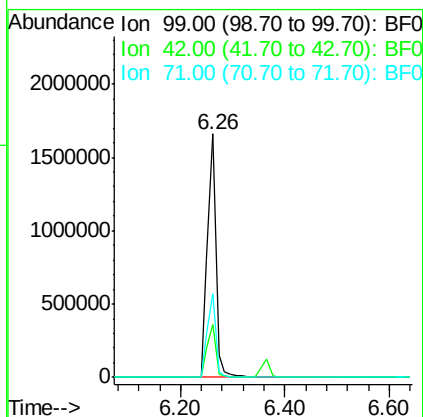
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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 515

Delta R.T. -0.08 min

Lab File: BF083292.D

Acq: 26 Nov 2015 00:16

Tgt Ion: 136 Resp: 577022

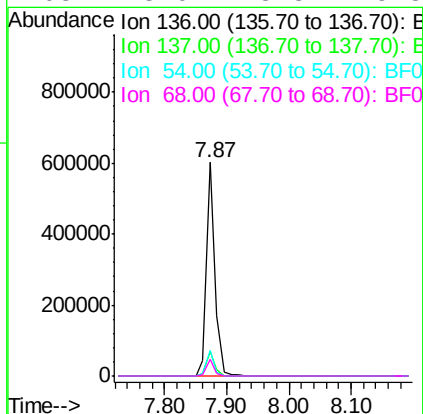
Ion Ratio Lower Upper

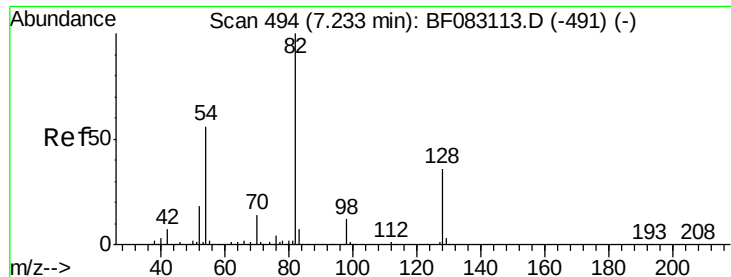
136 100

137 11.2 8.7 13.1

54 11.7 5.8 8.6#

68 8.0 3.8 5.8#





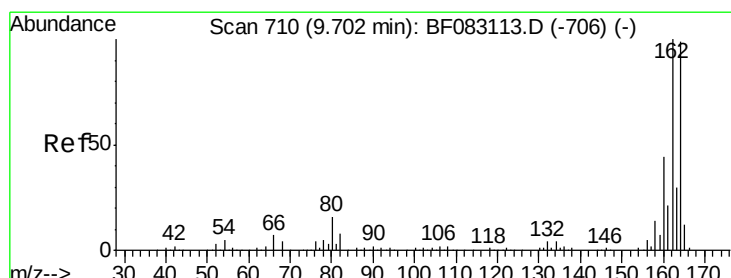
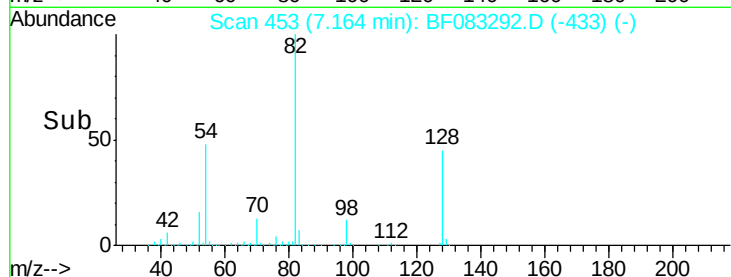
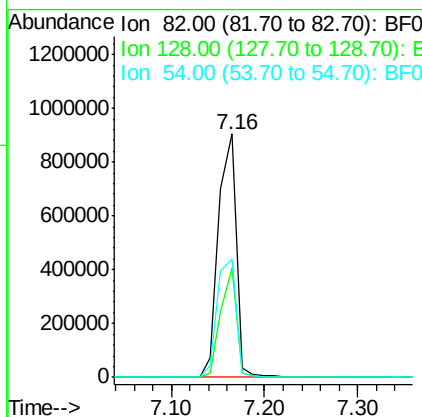
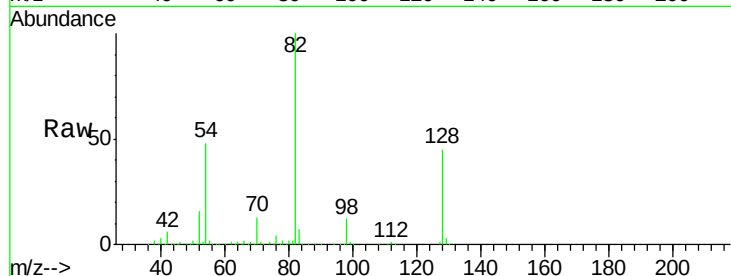
#23  
Nitrobenzene-d5  
Concen: 95.02 ng  
RT: 7.16 min Scan# 453  
Delta R.T. -0.07 min  
Lab File: BF083292.D  
Acq: 26 Nov 2015 00:16

Instrument :  
BNA\_F  
ClientSampleId :  
IM-CLAY-001

| Tot Ion   | 82   | Resp  | 1199902 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 82        | 100  |       |         |
| 128       | 44.8 | 28.5  | 42.7#   |
| 54        | 48.4 | 44.6  | 67.0    |

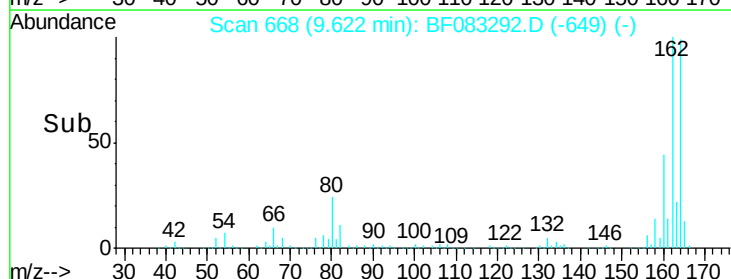
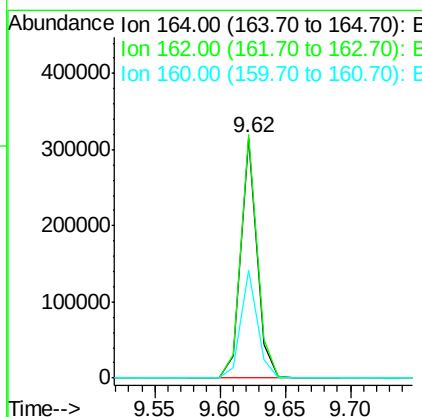
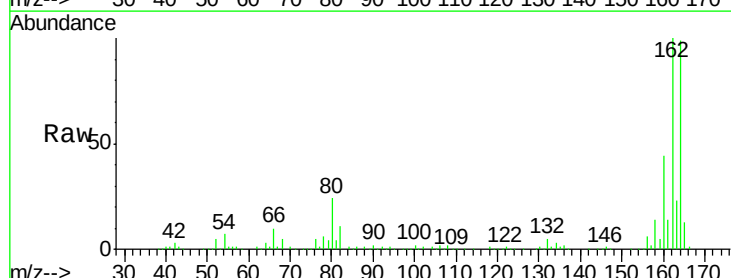
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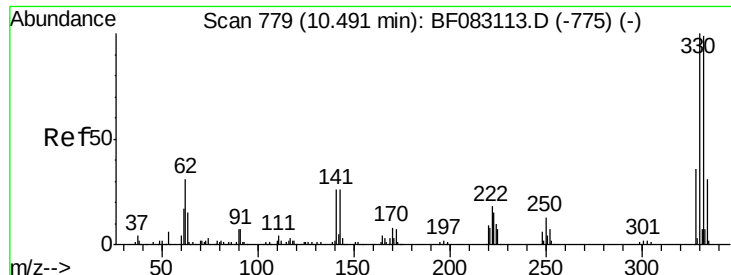
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.62 min Scan# 668  
Delta R.T. -0.08 min  
Lab File: BF083292.D  
Acq: 26 Nov 2015 00:16

| Tgt Ion   | 164   | Resp  | 268526 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 164       | 100   |       |        |
| 162       | 101.4 | 81.2  | 121.8  |
| 160       | 45.0  | 35.6  | 53.4   |





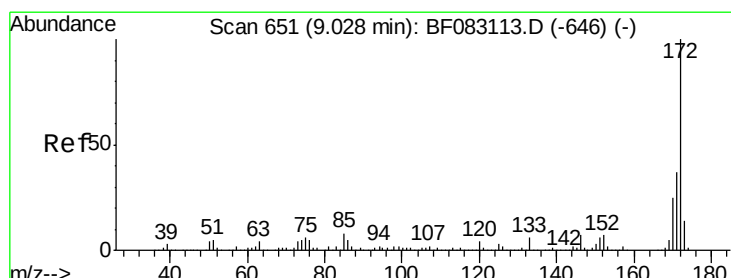
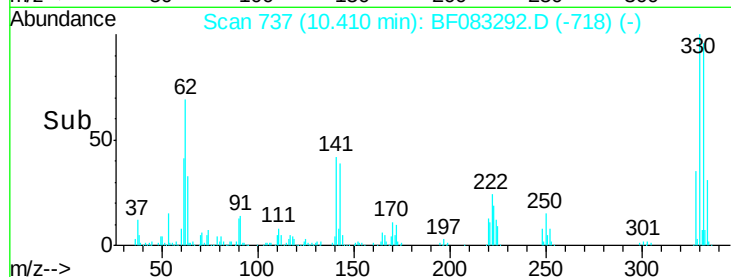
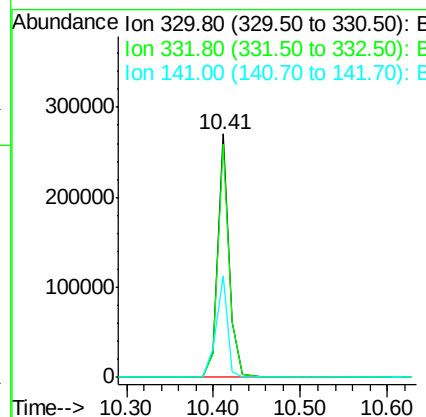
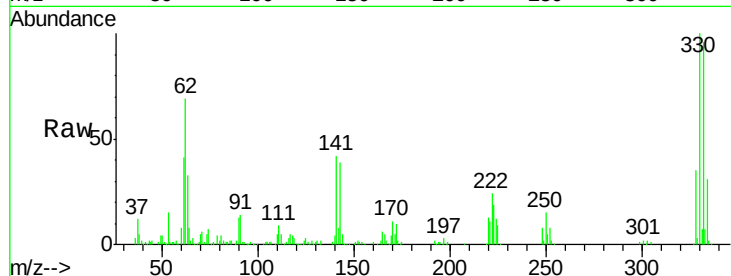
#41  
 2,4,6-Tribromophenol  
 Concen: 91.99 ng  
 RT: 10.41 min Scan# 737  
 Delta R.T. -0.08 min  
 Lab File: BF083292.D  
 Acq: 26 Nov 2015 00:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IM-CLAY-001

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 252702 |       |       |
| 332     | 96.0  |        | 77.7  | 116.5 |
| 141     | 42.2  |        | 29.7  | 44.5  |

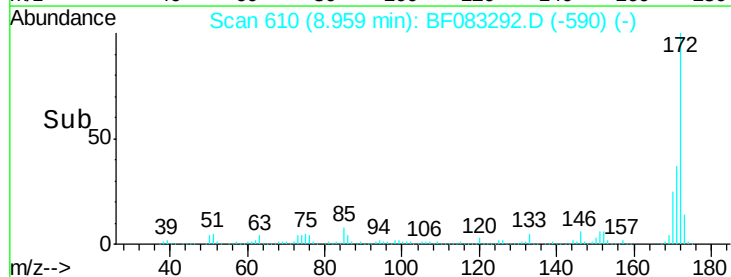
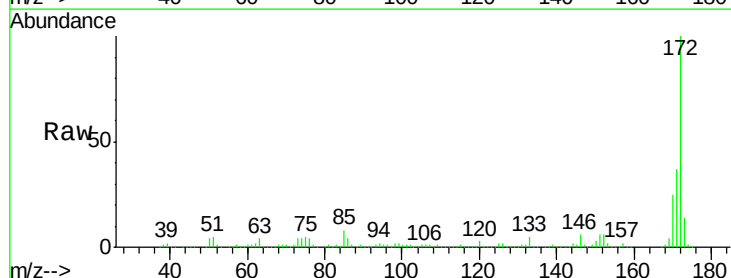
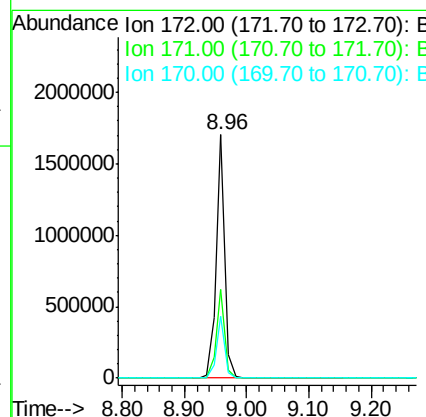
Manual Integrations  
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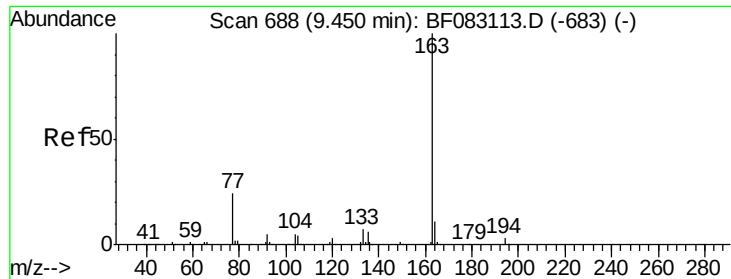
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#44  
 2-Fluorobiphenyl  
 Concen: 83.42 ng  
 RT: 8.96 min Scan# 610  
 Delta R.T. -0.07 min  
 Lab File: BF083292.D  
 Acq: 26 Nov 2015 00:16

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1606453 |       |       |
| 171     | 36.6  |         | 29.5  | 44.3  |
| 170     | 25.3  |         | 19.9  | 29.9  |





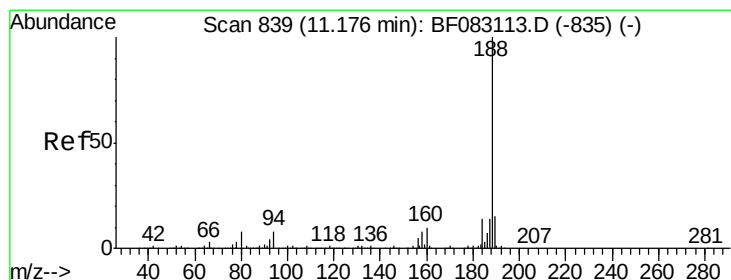
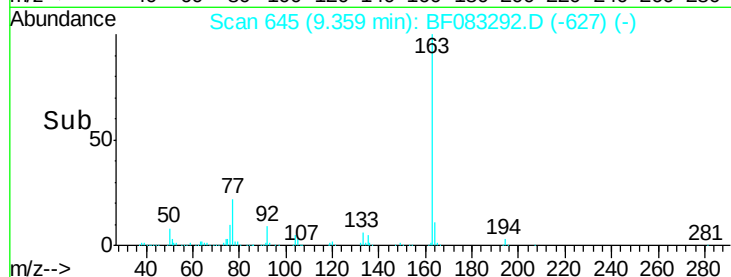
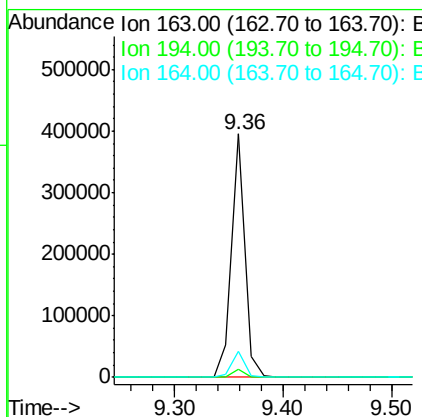
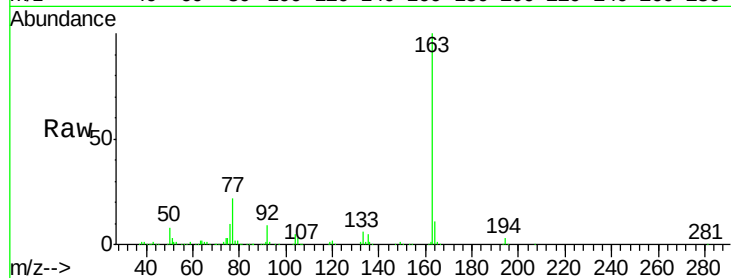
#49  
Dimethylphthalate  
Concen: 16.19 ng  
RT: 9.36 min Scan# 645  
Delta R.T. -0.09 min  
Lab File: BF083292.D  
Acq: 26 Nov 2015 00:16

Instrument :  
BNA\_F  
ClientSampleId :  
IM-CLAY-001

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 334753 |       |       |
| 194     | 3.4   | 2.6    | 4.0   |       |
| 164     | 10.7  | 8.6    | 12.8  |       |

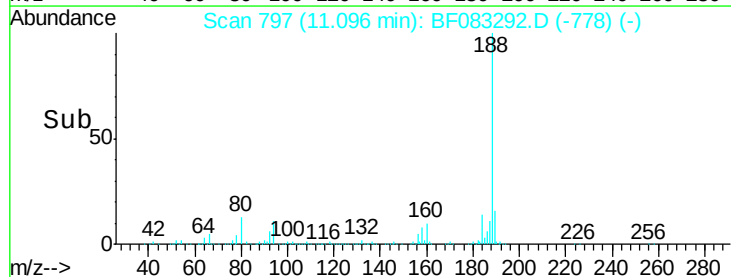
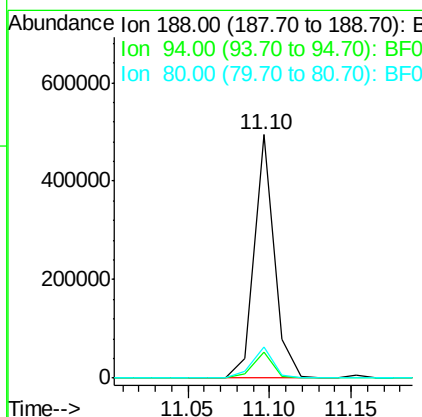
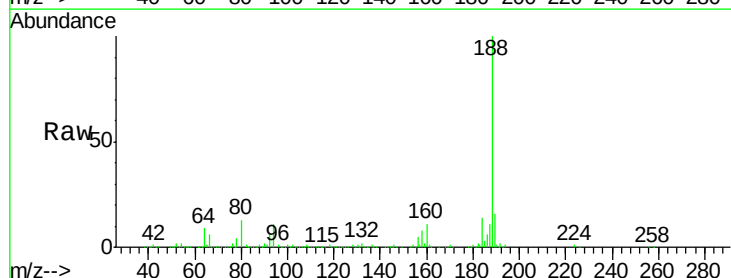
Manual Integrations  
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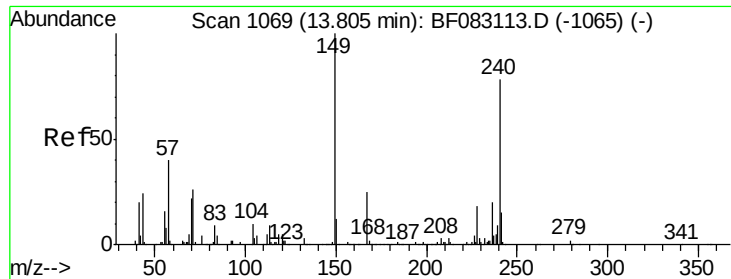
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#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.10 min Scan# 797  
Delta R.T. -0.08 min  
Lab File: BF083292.D  
Acq: 26 Nov 2015 00:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 425049 |       |       |
| 94      | 10.8  | 6.0    | 9.0#  |       |
| 80      | 12.6  | 6.7    | 10.1# |       |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1027

Delta R.T. -0.08 min

Lab File: BF083292.D

Acq: 26 Nov 2015 00:16

Instrument :

BNA\_F

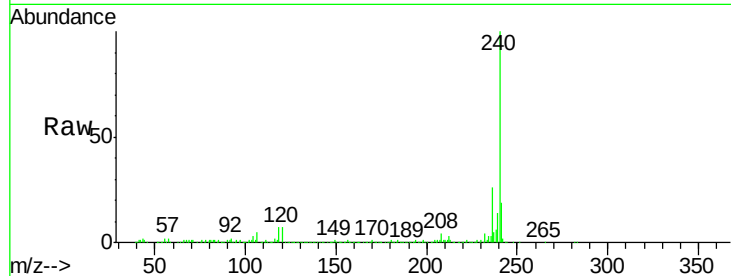
ClientSampleId :

IM-CLAY-001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.0   | 5.4   | 8.2   |
| 236     | 25.6  | 20.6  | 31.0  |

Manual Integrations  
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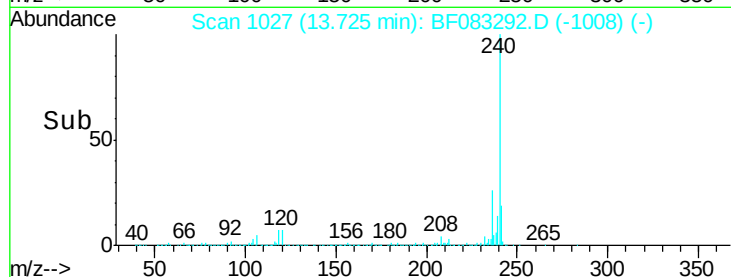


Abundance Ion 240.00 (239.70 to 240.70): E

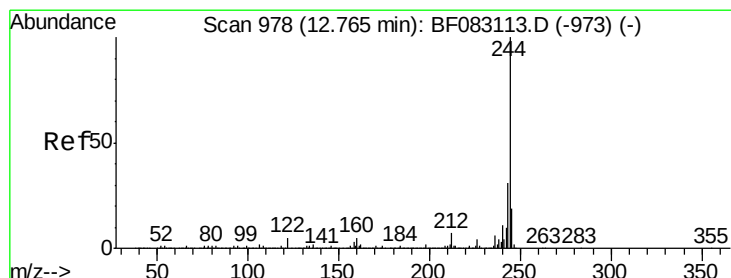
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.73



Time-->



#78

Terphenyl-d14

Concen: 62.26 ng

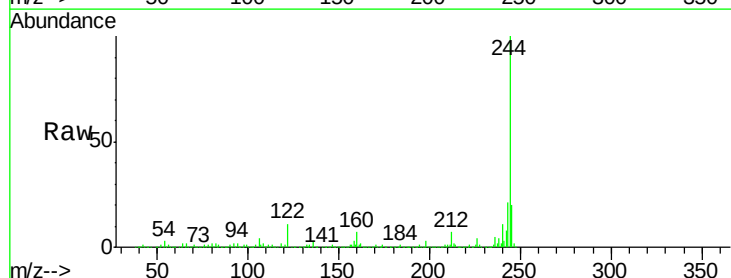
RT: 12.68 min Scan# 936

Delta R.T. -0.08 min

Lab File: BF083292.D

Acq: 26 Nov 2015 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 5.4   | 8.2   |
| 122     | 11.4  | 4.3   | 6.5#  |

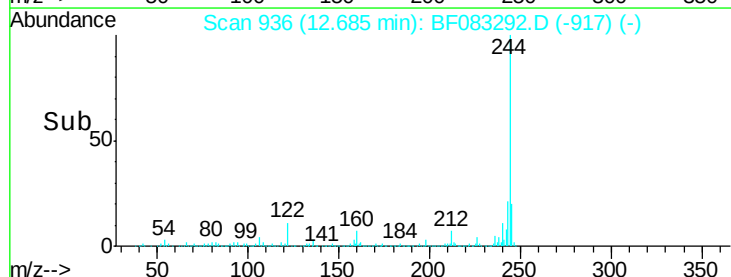


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

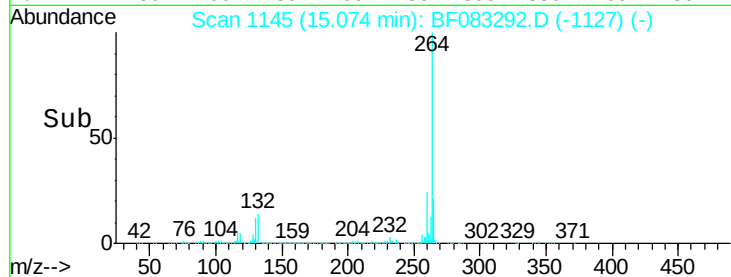
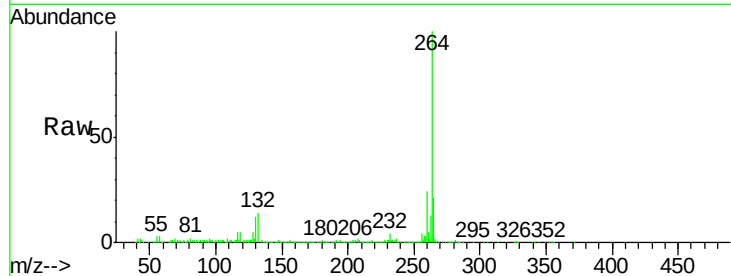
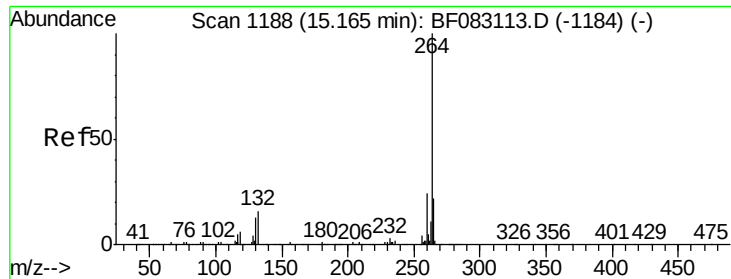
Ion 122.00 (121.70 to 122.70): E

12.68



Time-->





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.07 min Scan# 1145  
Delta R.T. -0.09 min  
Lab File: BF083292.D  
Acq: 26 Nov 2015 00:16

Instrument :  
BNA\_F  
ClientSampleId :  
IM-CLAY-001

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 24.1  | 19.1       | 28.7  |
| 265     | 21.3  | 18.2       | 27.4  |

Manual Integrations  
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