

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\  
 Data File : BE100561.D  
 Acq On : 25 Sep 2019 17:52  
 Operator : JU  
 Sample : K4995-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-SW167-091819-1

Manual Integrations  
 APPROVED

mohammad  
 9/26/2019 3:55:54 PM

Quant Time: Sep 26 07:03:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 20 18:26:17 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.86  | 152  | 7115     | 0.40   | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.65 | 136  | 34664    | 0.40   | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.49 | 164  | 22966    | 0.40   | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.20 | 188  | 46289    | 0.40   | ng    | 0.00     |
| 27) Chrysene-d12               | 21.38 | 240  | 55013    | 0.40   | ng    | 0.01     |
| 34) Perylene-d12               | 23.85 | 264  | 66178    | 0.40   | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 4) 2-Fluorophenol              | 5.44  | 112  | 5710     | 0.34   | ng    | 0.00     |
| 5) Phenol-d6                   | 7.02  | 99   | 7846     | 0.34   | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.00  | 82   | 6407     | 0.32   | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.24 | 152  | 13269    | 0.26   | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.96 | 330  | 1584     | 0.43   | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.12 | 172  | 15809    | 0.19   | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.24 | 212  | 120586   | 0.22   | ng    | 0.01     |
| 29) Terphenyl-d14              | 19.82 | 244  | 31950    | 0.25   | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Naphthalene                 | 10.69 | 128  | 399117   | 1.111  | ng    | 100      |
| 12) 2-Methylnaphthalene        | 12.31 | 142  | 58189    | 1.018  | ng    | 99       |
| 16) Acenaphthylene             | 14.21 | 152  | 1381230  | 14.607 | ng    | 99       |
| 17) Acenaphthene               | 14.54 | 154  | 69060    | 1.081  | ng    | 94       |
| 18) Fluorene                   | 15.51 | 166  | 268957   | 3.367  | ng    | # 89     |
| 22) Pentachlorophenol          | 16.87 | 266  | 626      | 0.314  | ng    | 96       |
| 23) Phenanthrene               | 17.25 | 178  | 5033715  | 39.027 | ng    | 94       |
| 24) Anthracene                 | 17.34 | 178  | 974924   | 8.980  | ng    | # 94     |
| 26) Fluoranthene               | 19.27 | 202  | 7527458m | 48.397 | ng    |          |
| 28) Pvrene                     | 19.63 | 202  | 8027839  | 50.716 | ng    | # 82     |
| 30) Benzo(a)anthracene         | 21.35 | 228  | 4985664  | 33.932 | ng    | # 84     |
| 31) Chrysene                   | 21.41 | 228  | 5215418  | 31.152 | ng    | # 86     |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 68136    | 0.430  | ng    | # 94     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.49 | 276  | 3769640  | 20.253 | ng    | 98       |
| 35) Benzo(b)fluoranthene       | 23.11 | 252  | 6442556  | 35.981 | ng    | # 94     |
| 36) Benzo(k)fluoranthene       | 23.15 | 252  | 2235491m | 10.790 | ng    |          |
| 37) Benzo(a)pvrene             | 23.75 | 252  | 4950326  | 29.633 | ng    | 95       |
| 38) Dibenzo(a,h)anthracene     | 26.50 | 278  | 933526   | 5.365  | ng    | 92       |
| 39) Benzo(g,h,i)perylene       | 27.31 | 276  | 3935362  | 21.655 | ng    | 97       |

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

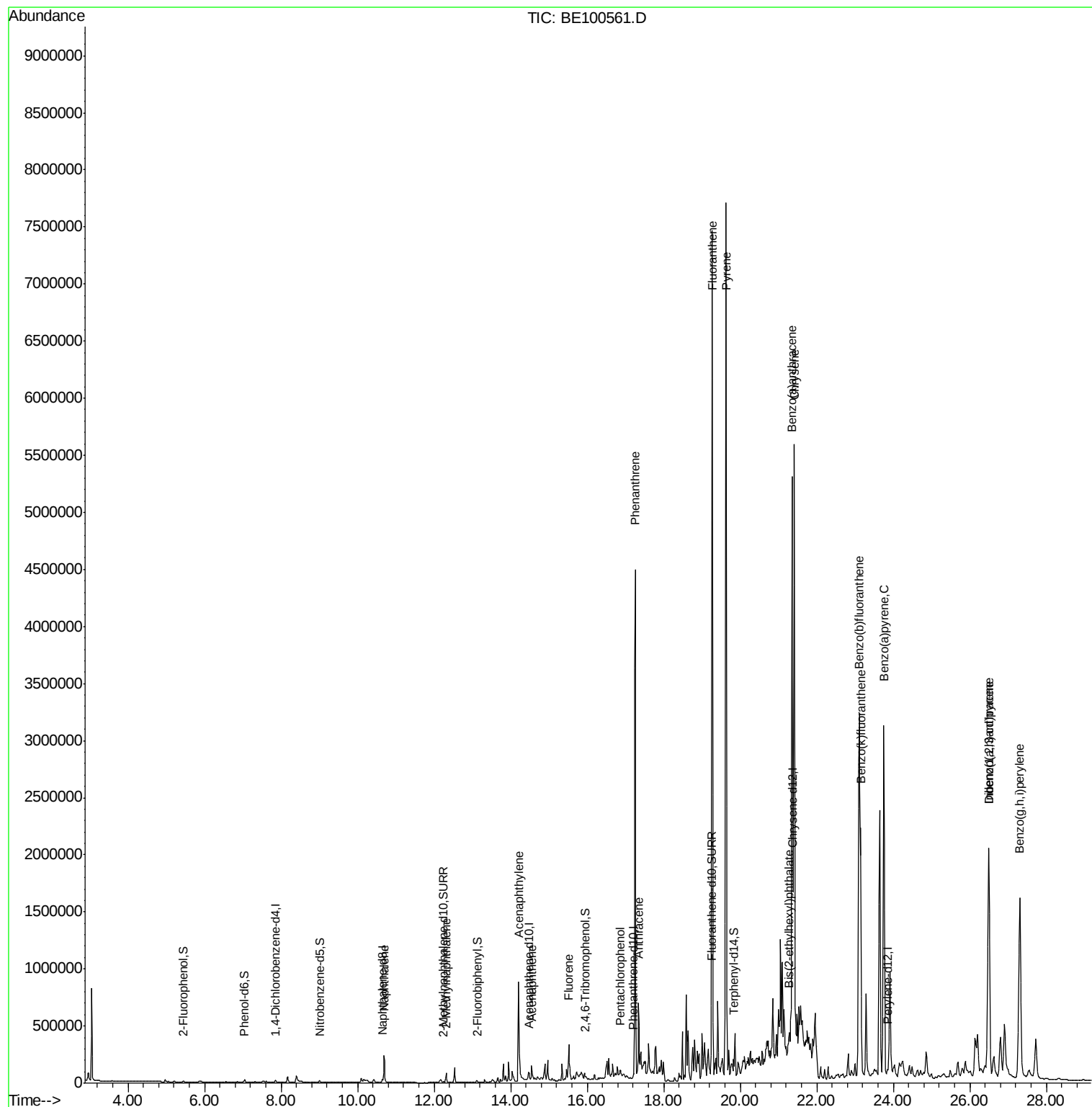
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\  
Data File : BE100561.D  
Acq On : 25 Sep 2019 17:52  
Operator : JU  
Sample : K4995-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

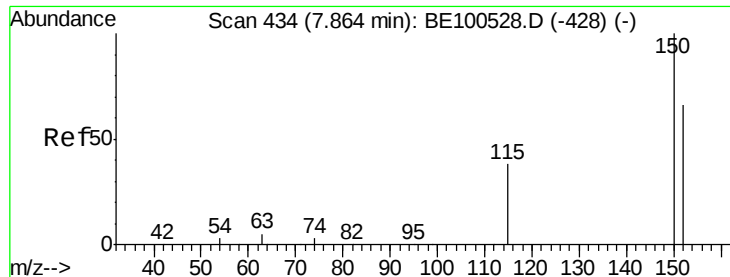
Instrument :  
BNA\_E  
ClientSampleId :  
EXT-SW167-091819-1

Manual Integrations  
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Quant Time: Sep 26 07:03:34 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 20 18:26:17 2019  
Response via : Initial Calibration





#1

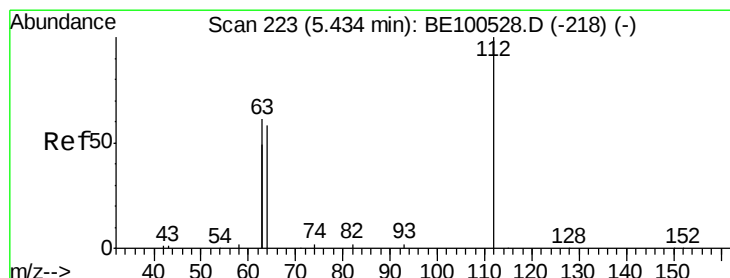
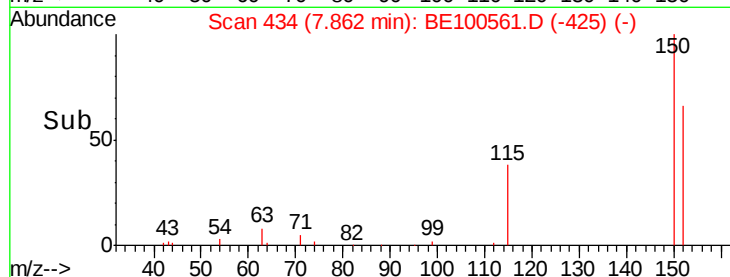
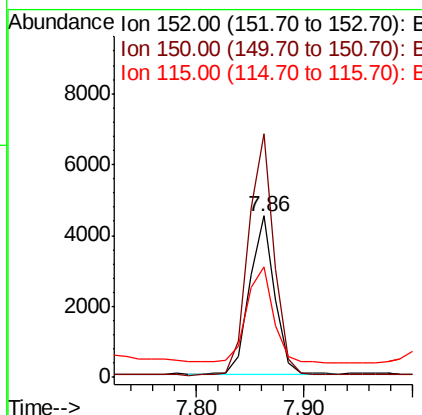
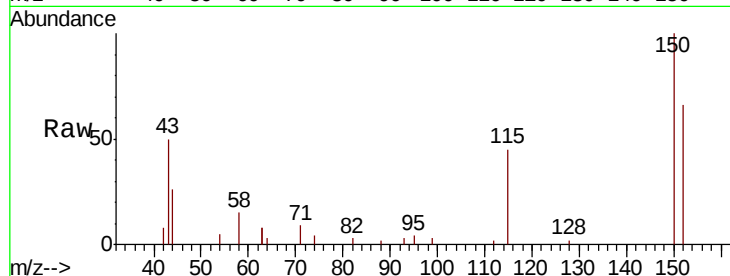
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-SW167-091819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.1 | 121.6 | 182.4 |
| 115     | 68.6  | 48.2  | 72.4  |

Manual Integrations  
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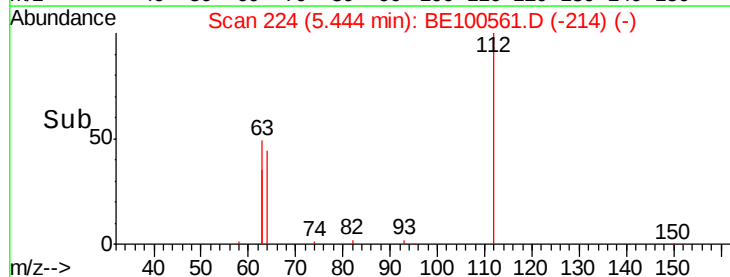
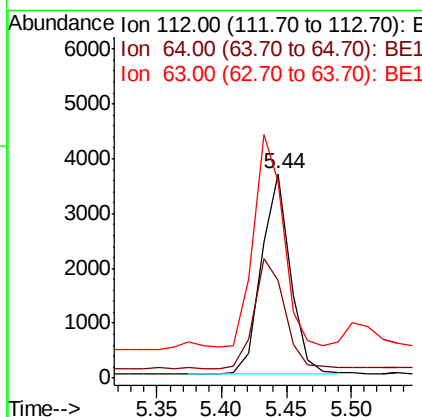
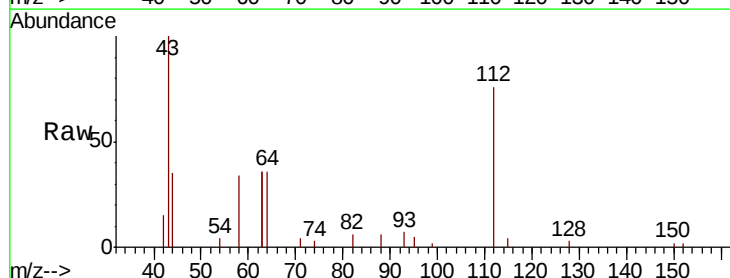
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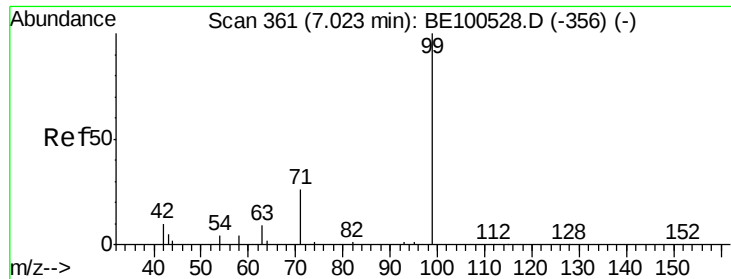


#4

2-Fluorophenol  
Concen: 0.343 ng  
RT: 5.44 min Scan# 224  
Delta R.T. 0.01 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.1  | 44.1  | 66.1  |
| 63      | 109.2 | 86.5  | 129.7 |





#5

Phenol-d6

Concen: 0.344 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

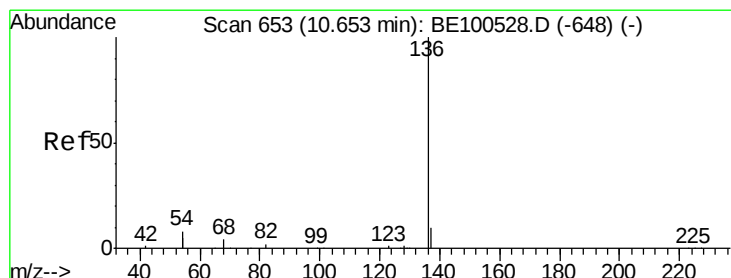
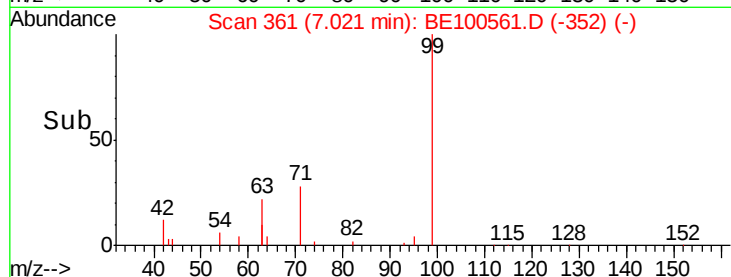
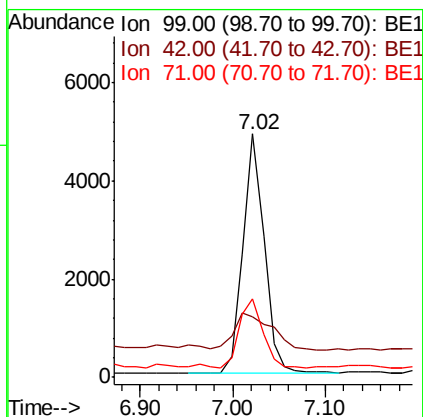
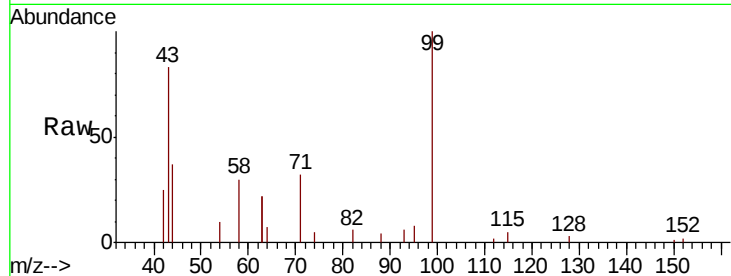
ClientSampleId :

EXT-SW167-091819-1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 7846  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 26.8  | 13.0  | 19.6# |
| 71       | 31.9  | 23.4  | 35.0  |

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#7

Naphthalene-d8

Concen: 0.400 ng

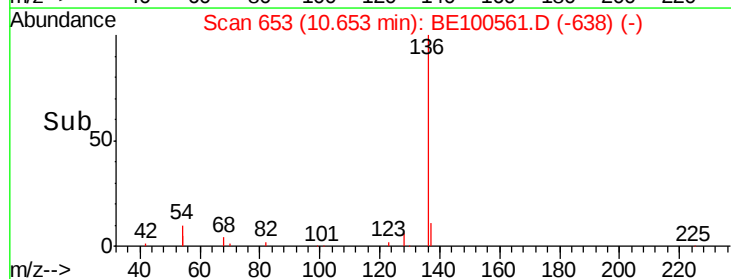
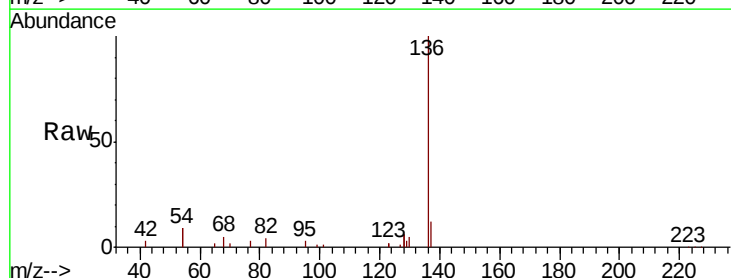
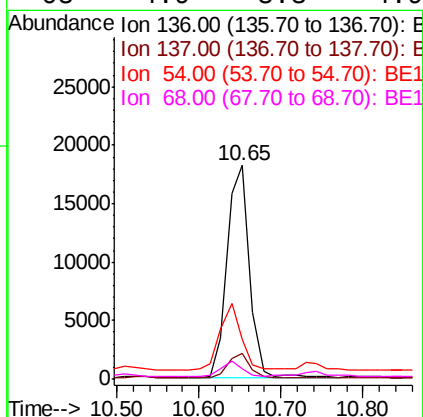
RT: 10.65 min Scan# 653

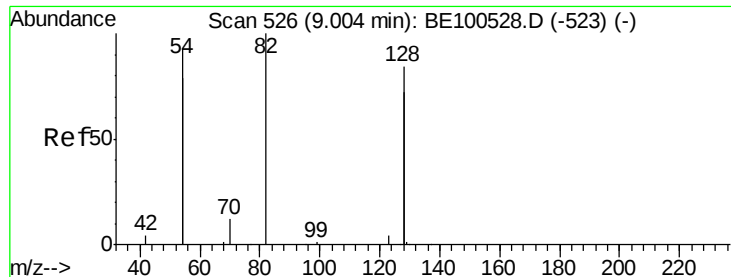
Delta R.T. -0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 34664 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.7  | 8.6   | 13.0  |
| 54       | 18.9  | 12.4  | 18.6# |
| 68       | 4.9   | 3.3   | 4.9   |





#8

Nitrobenzene-d5

Concen: 0.321 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

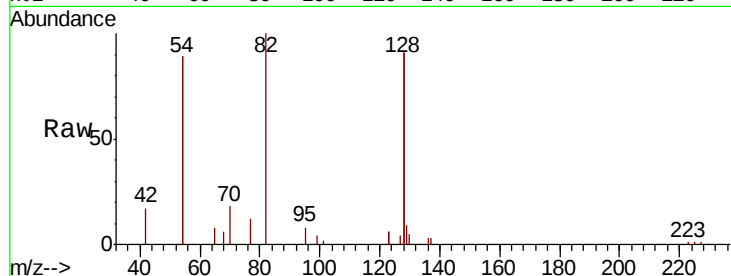
ClientSampleId :

EXT-SW167-091819-1

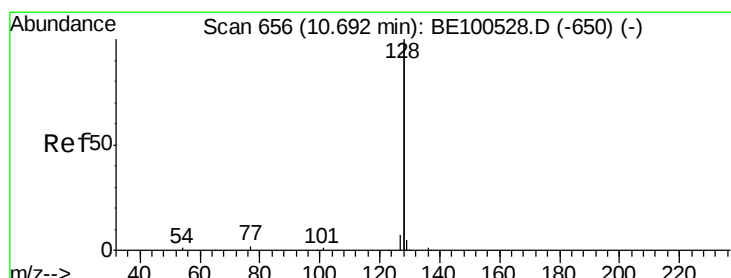
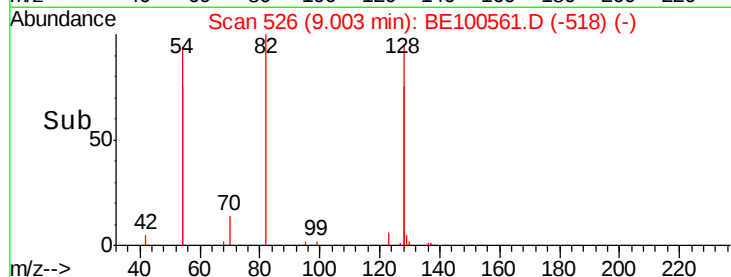
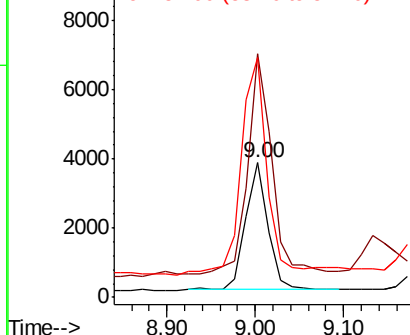
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 6407  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 181.3 | 129.4 | 194.2 |
| 54       | 178.4 | 143.3 | 214.9 |

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Abundance Ion 82.00 (81.70 to 82.70): BE1  
Ion 128.00 (127.70 to 128.70): BE1  
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 1.111 ng

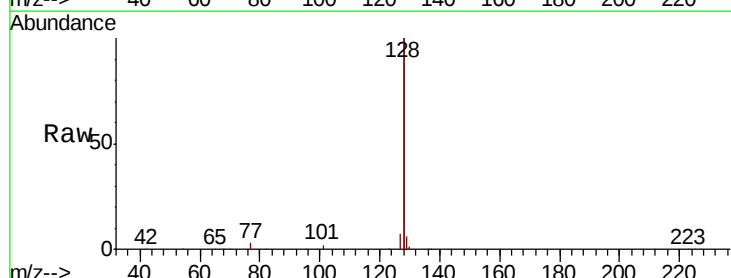
RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

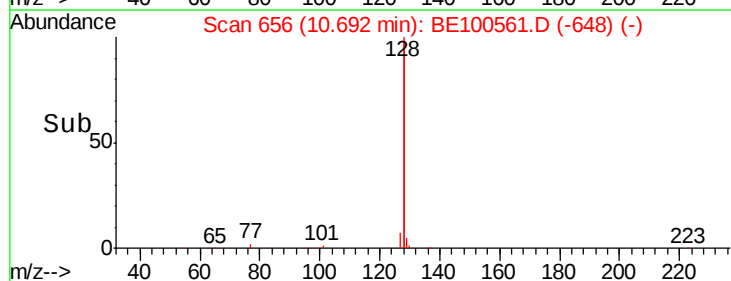
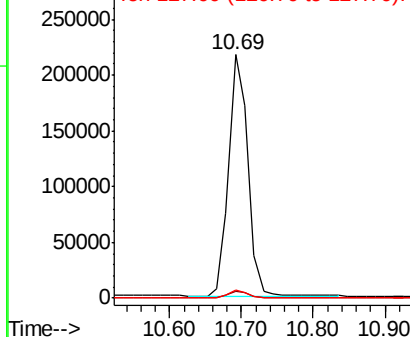
Lab File: BE100561.D

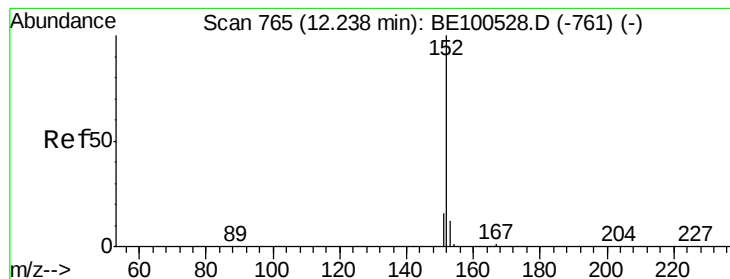
Acq: 25 Sep 2019 17:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 399117 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 129      | 3.0   | 2.2   | 3.4    |
| 127      | 3.4   | 2.7   | 4.1    |



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





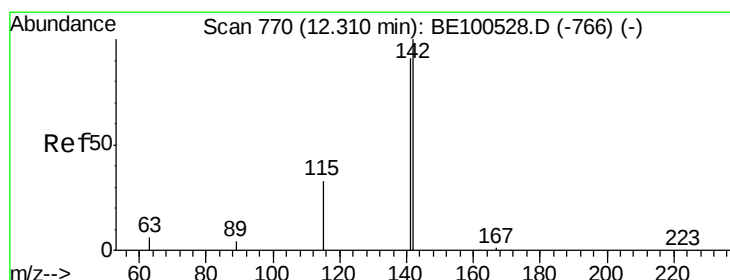
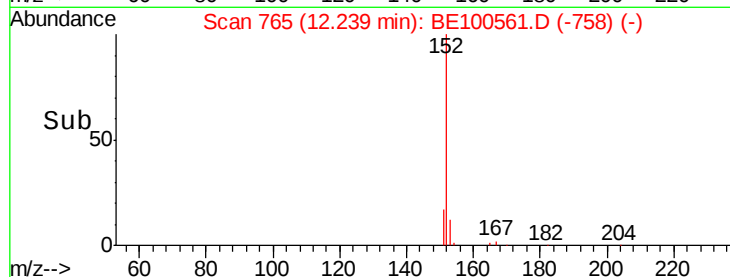
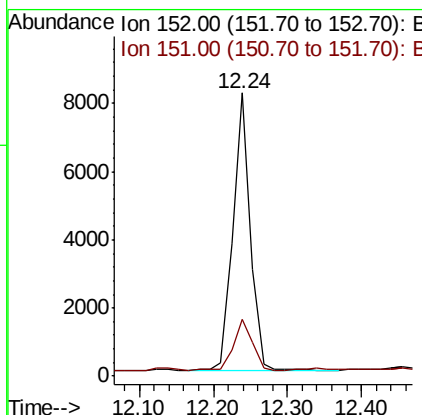
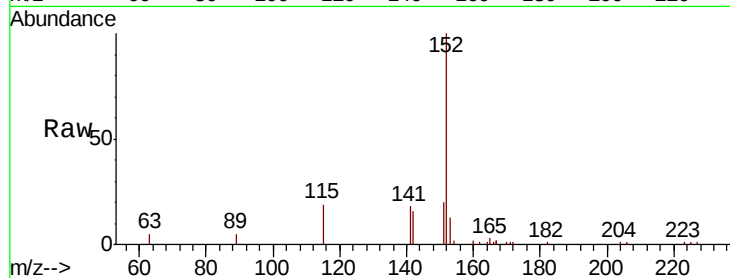
#11  
2-Methylnaphthalene-d10  
Concen: 0.256 ng  
RT: 12.24 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-SW167-091819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.8  | 15.3  | 22.9  |

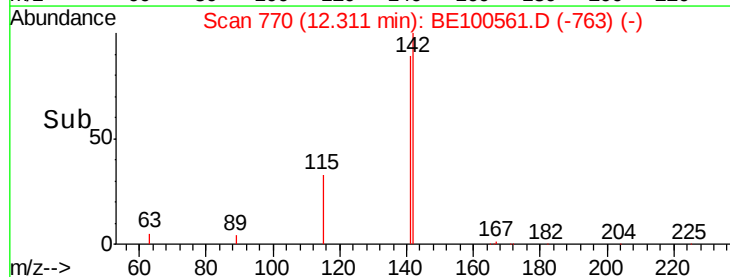
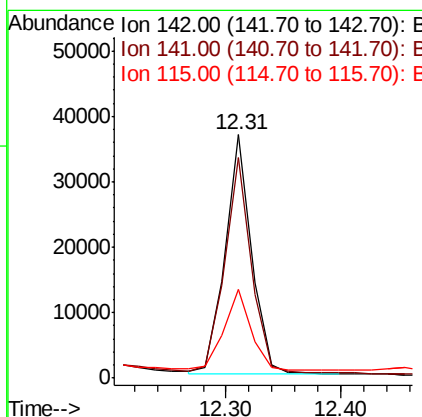
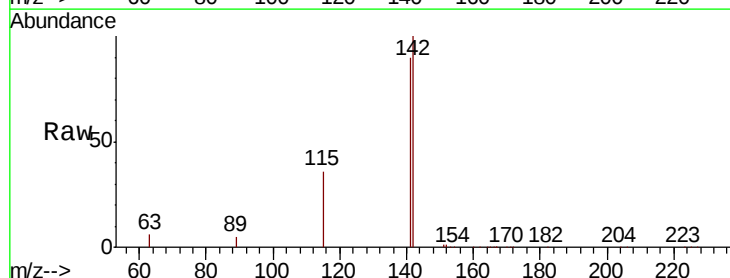
Manual Integrations  
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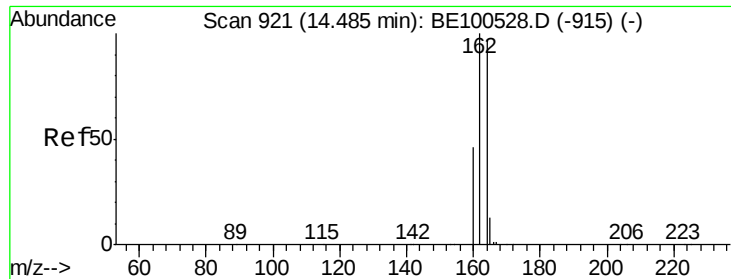
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#12  
2-Methylnaphthalene  
Concen: 1.018 ng  
RT: 12.31 min Scan# 770  
Delta R.T. 0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.3  | 72.5  | 108.7 |
| 115     | 36.3  | 27.2  | 40.8  |





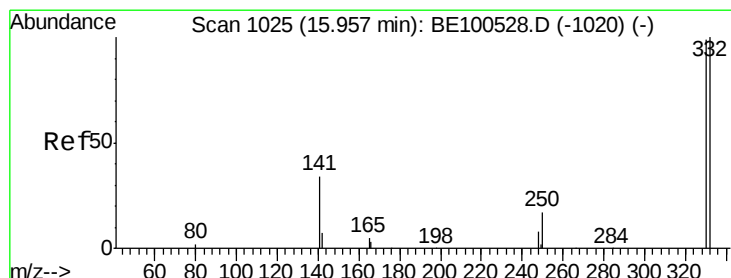
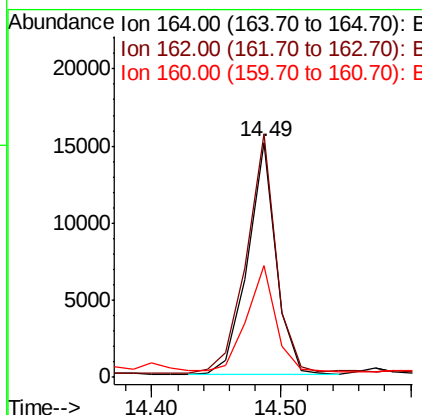
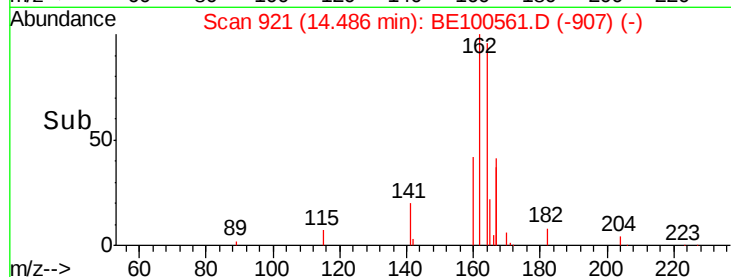
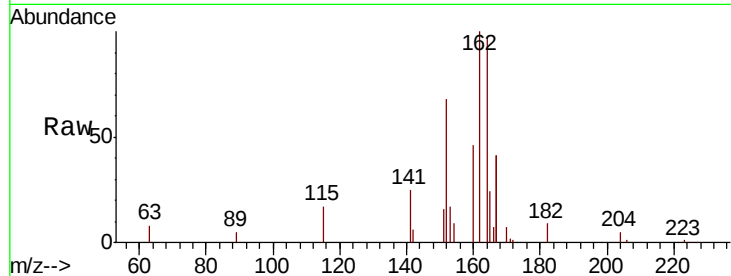
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Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.49 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-SW167-091819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.5 | 82.1  | 123.1 |
| 160     | 47.6  | 37.6  | 56.4  |

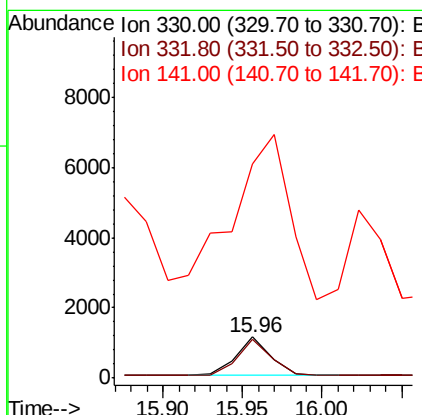
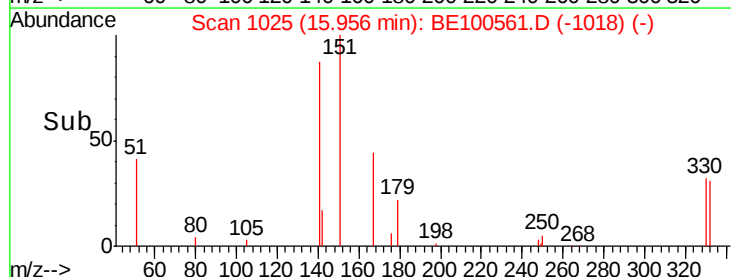
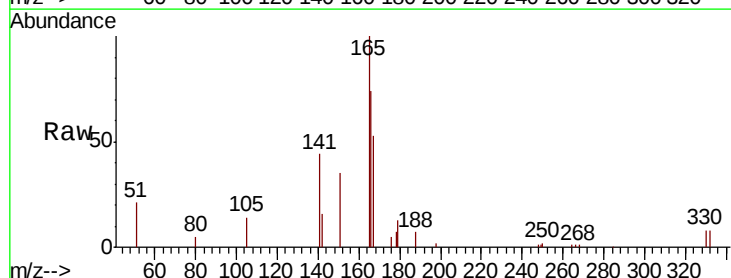
Manual Integrations  
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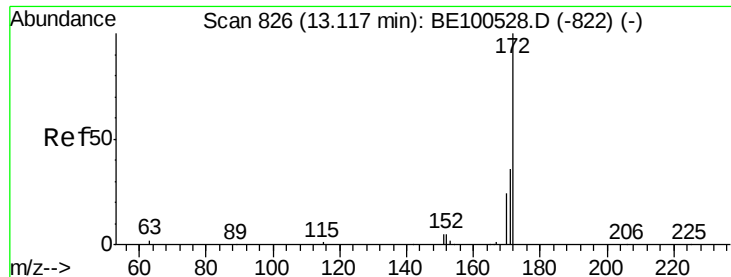
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#14  
2,4,6-Tribromophenol  
Concen: 0.426 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. -0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.7  | 75.5  | 113.3 |
| 141     | 759.4 | 42.3  | 63.5# |





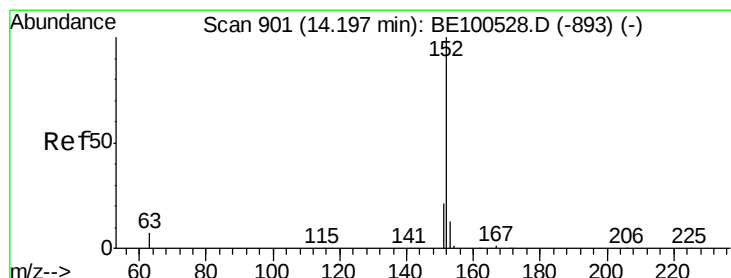
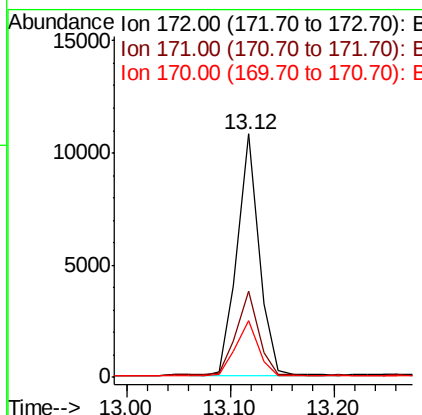
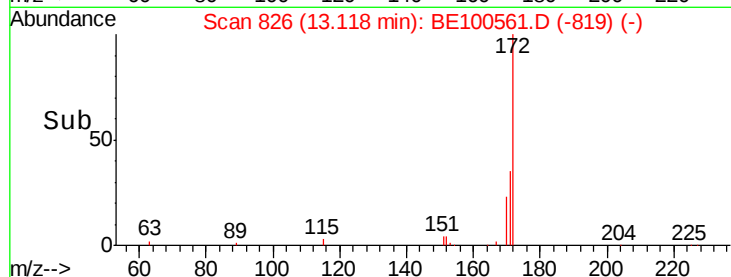
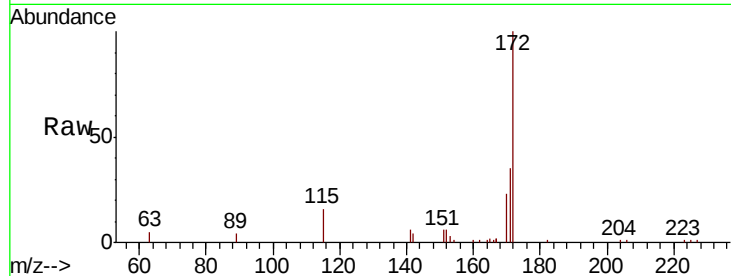
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2-Fluorobiphenyl  
Concen: 0.193 ng  
RT: 13.12 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-SW167-091819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.8  | 43.2  |
| 170     | 23.3  | 19.4  | 29.0  |

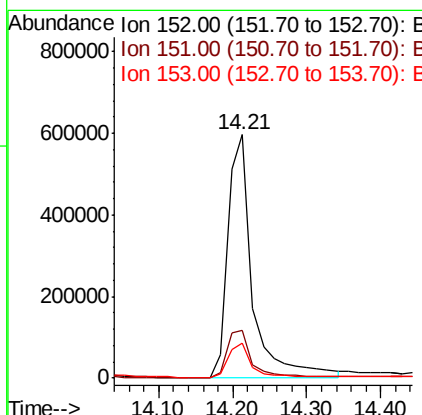
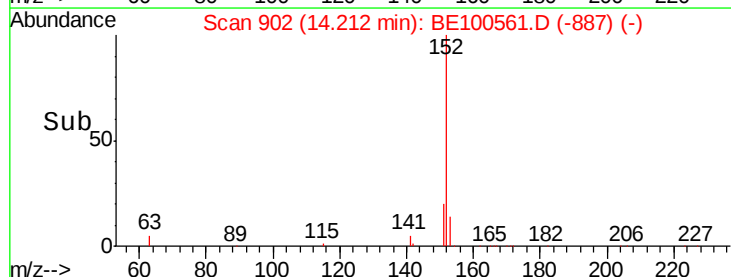
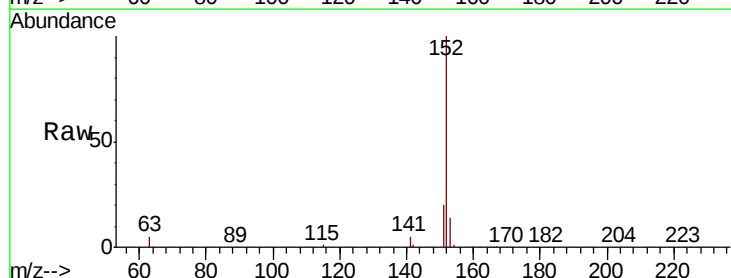
Manual Integrations  
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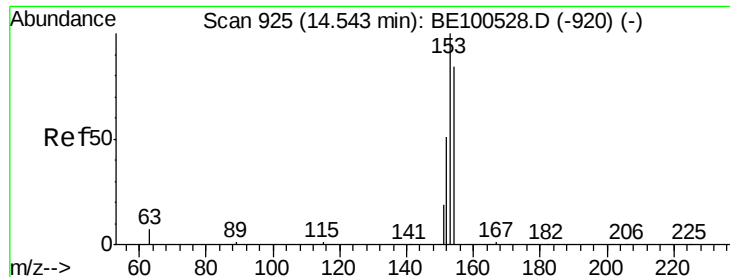
mohammad  
9/26/2019 3:55:54 PM



#16  
Acenaphthylene  
Concen: 14.607 ng  
RT: 14.21 min Scan# 902  
Delta R.T. 0.02 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.3  | 15.9  | 23.9  |
| 153     | 13.5  | 10.7  | 16.1  |





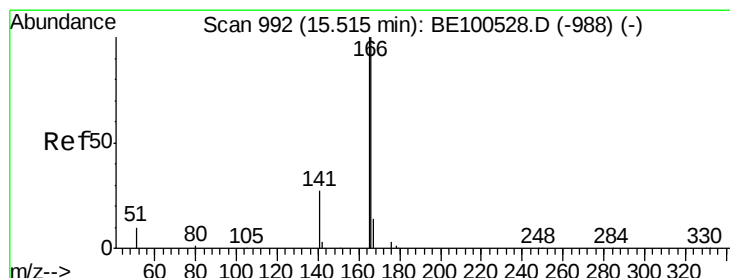
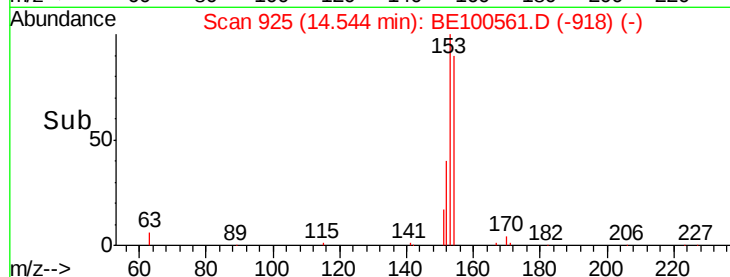
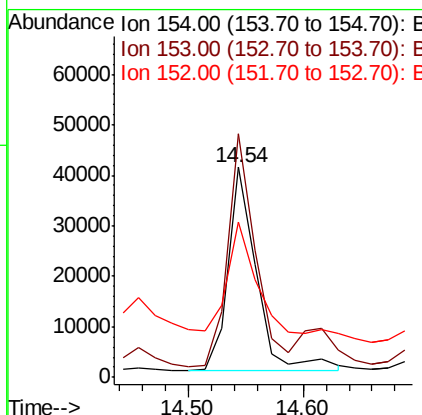
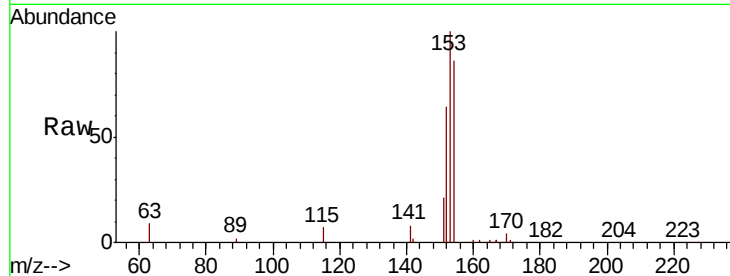
#17  
Acenaphthene  
Concen: 1.081 ng  
RT: 14.54 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-SW167-091819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 110.4 | 93.7  | 140.5 |
| 152     | 53.9  | 47.3  | 70.9  |

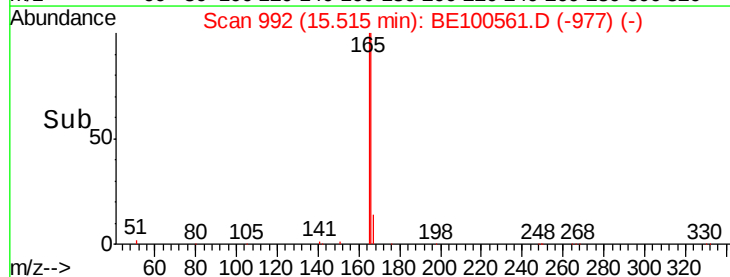
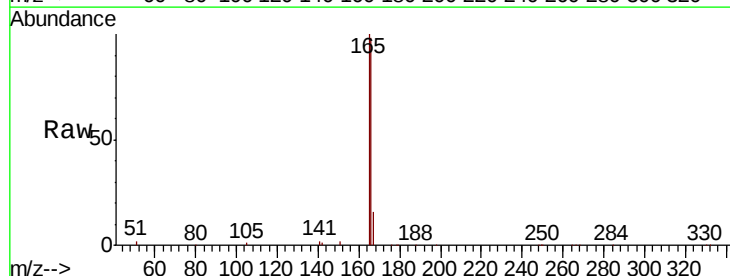
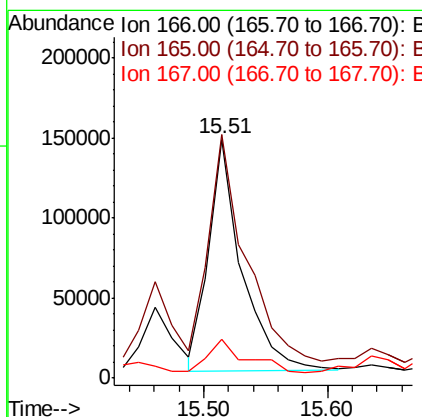
Manual Integrations  
APPROVED

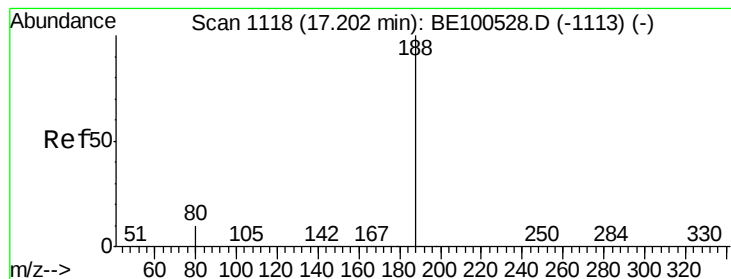
mohammad  
9/26/2019 3:55:54 PM



#18  
Fluorene  
Concen: 3.367 ng  
RT: 15.51 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 111.1 | 80.1  | 120.1 |
| 167     | 16.7  | 10.9  | 16.3  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

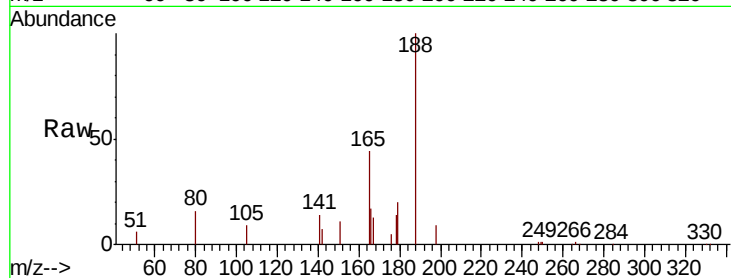
ClientSampleId :

EXT-SW167-091819-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 46289 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 15.9  | 8.0   | 12.0# |

Manual Integrations  
APPROVED

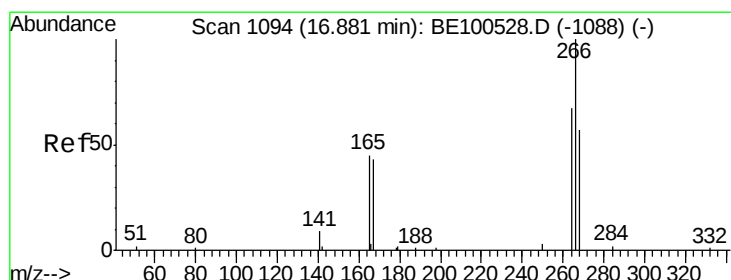
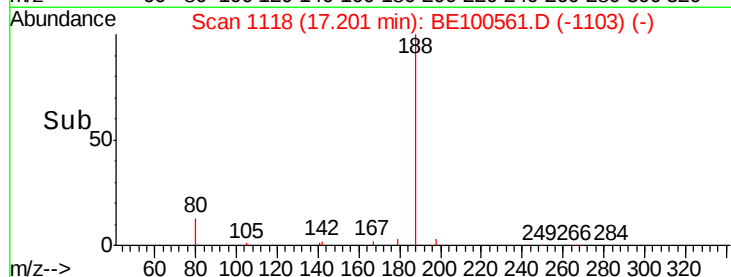
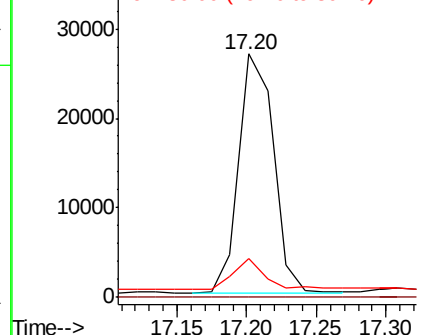
mohammad  
9/26/2019 3:55:54 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#22

Pentachlorophenol

Concen: 0.314 ng

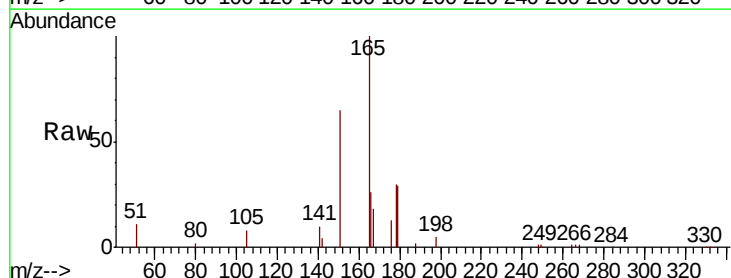
RT: 16.87 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

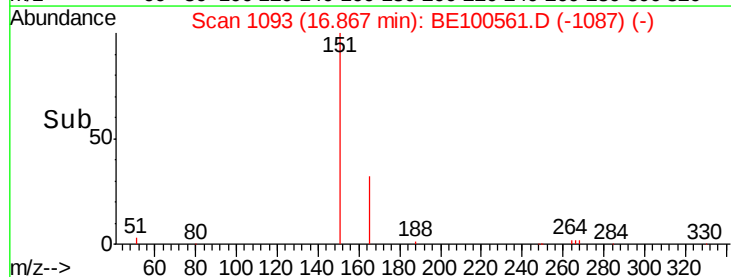
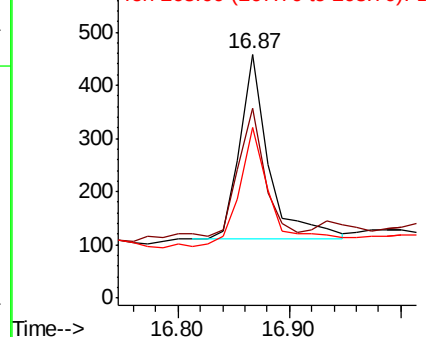
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 626  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 77.7  | 57.6  | 86.4 |
| 268       | 70.1  | 55.1  | 82.7 |

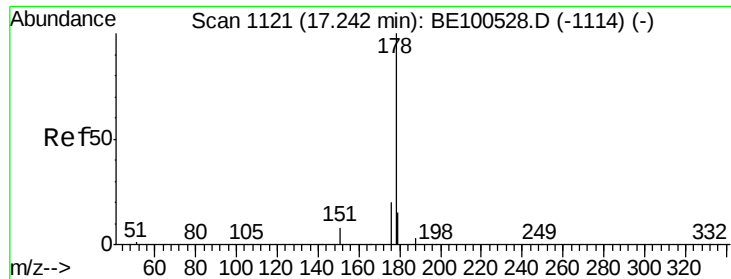


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





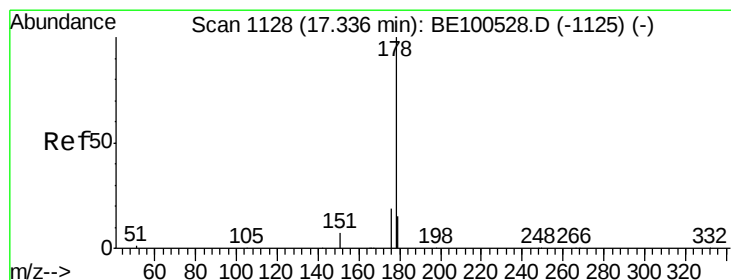
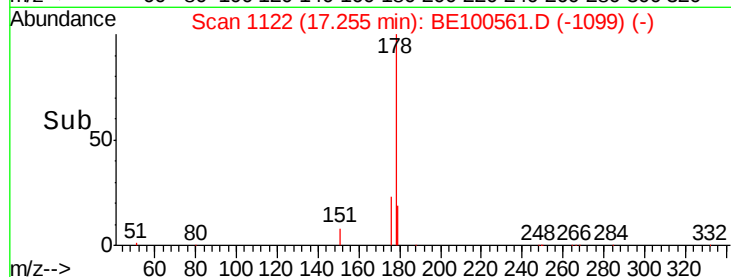
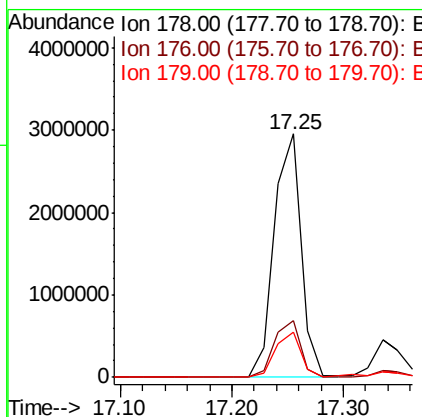
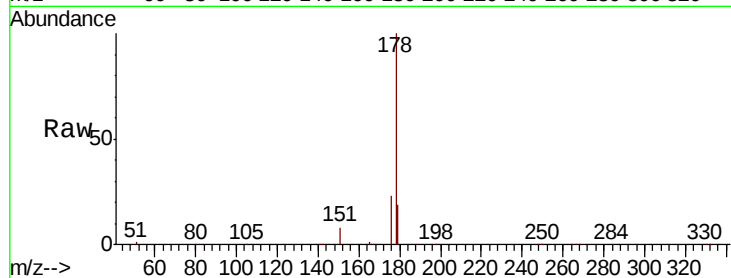
#23  
Phenanthrene  
Concen: 39.027 ng  
RT: 17.25 min Scan# 1122  
Delta R.T. 0.01 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-SW167-091819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 22.5  | 15.4  | 23.2  |
| 179     | 18.0  | 12.6  | 18.8  |

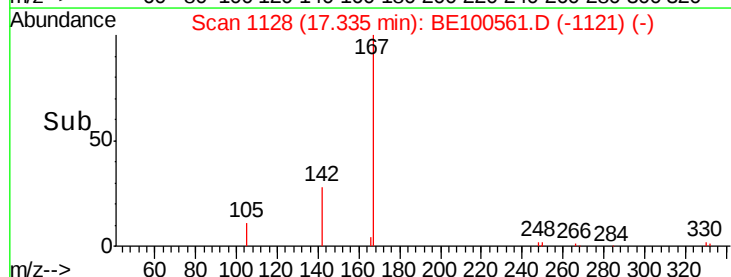
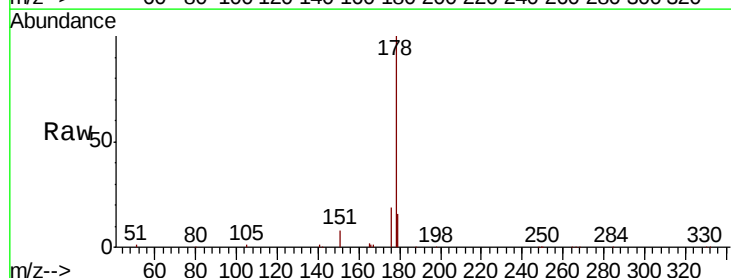
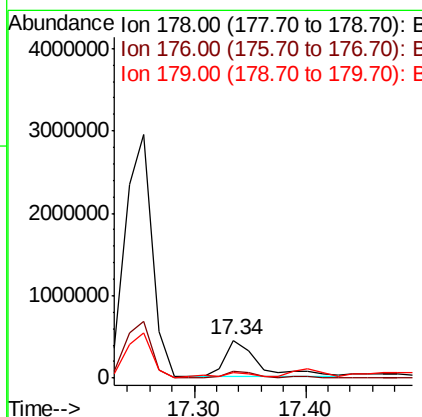
Manual Integrations  
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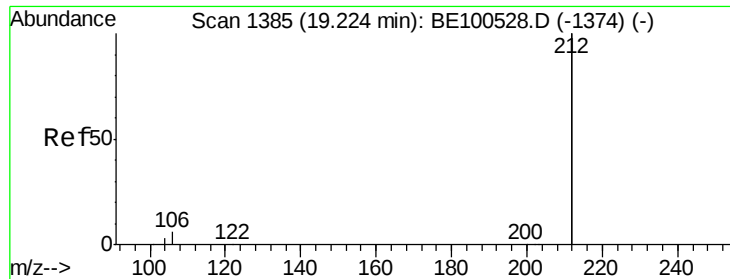
mohammad  
9/26/2019 3:55:54 PM



#24  
Anthracene  
Concen: 8.980 ng  
RT: 17.34 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.2  | 22.8  |
| 179     | 10.1  | 12.2  | 18.4# |





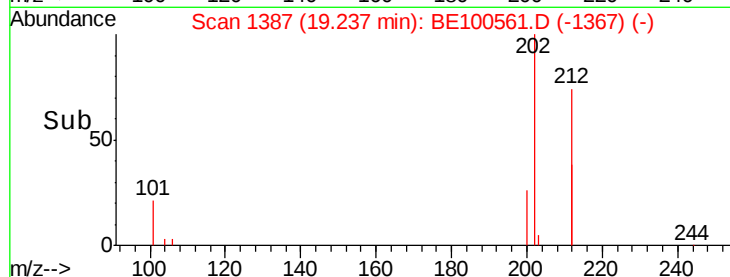
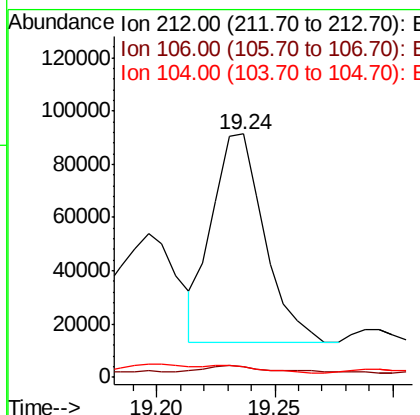
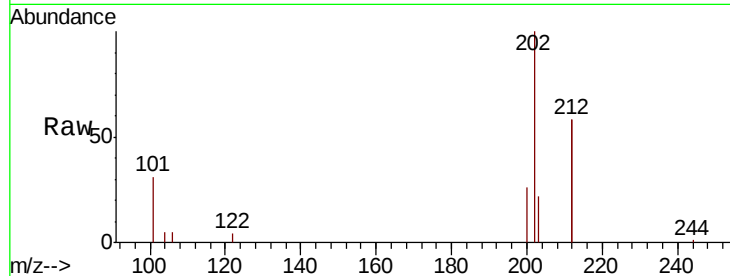
#25  
 Fluoranthene-d10  
 Concen: 0.219 ng  
 RT: 19.24 min Scan# 1387  
 Delta R.T. 0.01 min  
 Lab File: BE100561.D  
 Acq: 25 Sep 2019 17:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-SW167-091819-1

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 212     | 100   |            |       |
| 106     | 4.5   | 2.3        | 3.5#  |
| 104     | 0.0   | 1.3        | 1.9#  |

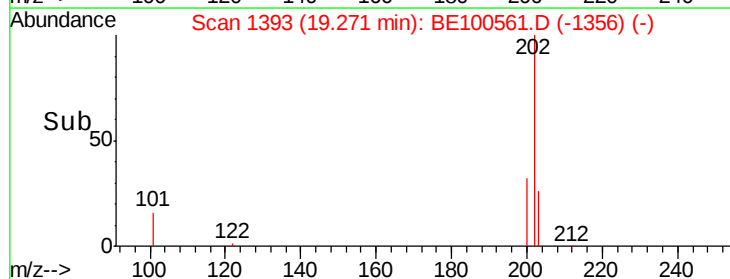
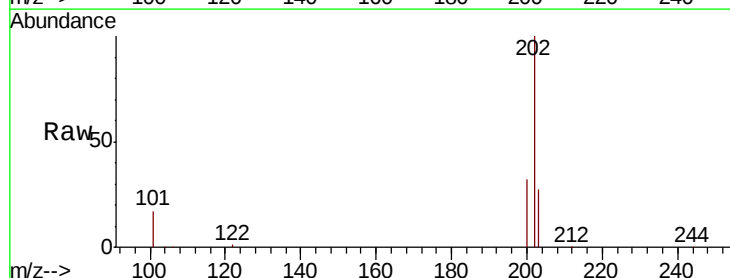
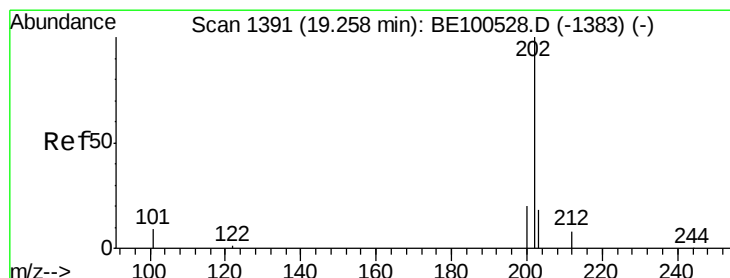
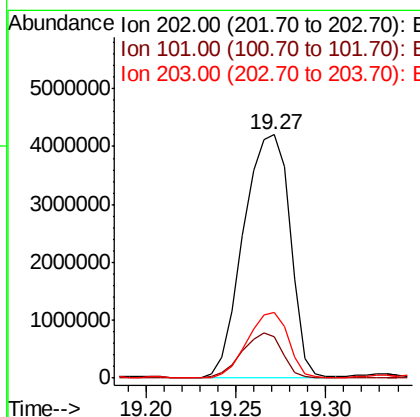
Manual Integrations  
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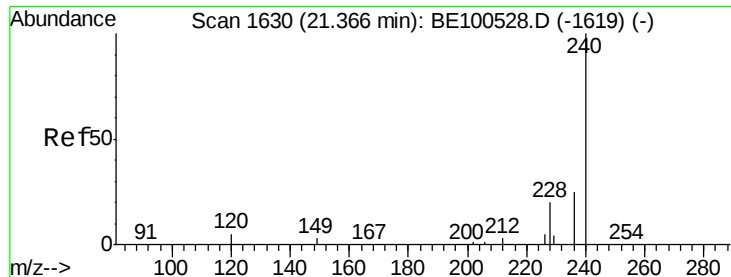
mohammad  
 9/26/2019 3:55:54 PM



#26  
 Fluoranthene  
 Concen: 48.397 ng m  
 RT: 19.27 min Scan# 1393  
 Delta R.T. 0.01 min  
 Lab File: BE100561.D  
 Acq: 25 Sep 2019 17:52

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 0.7   | 8.8        | 13.2# |
| 203     | 1.4   | 13.7       | 20.5# |





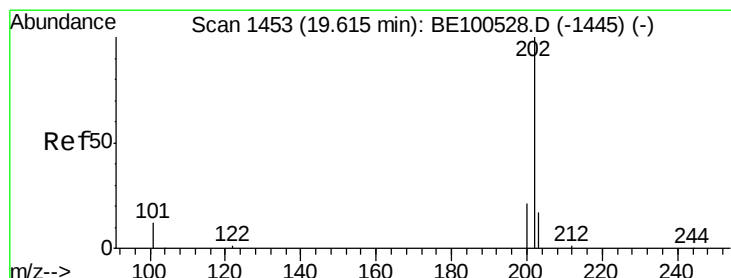
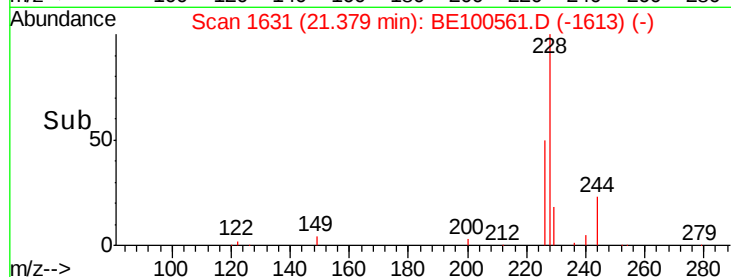
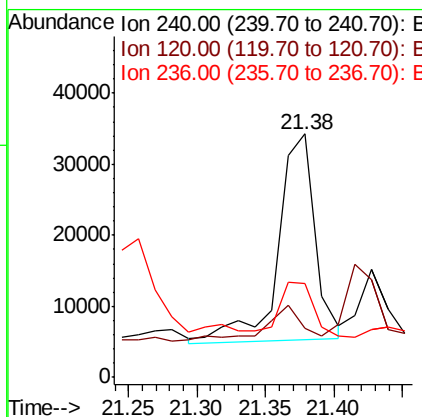
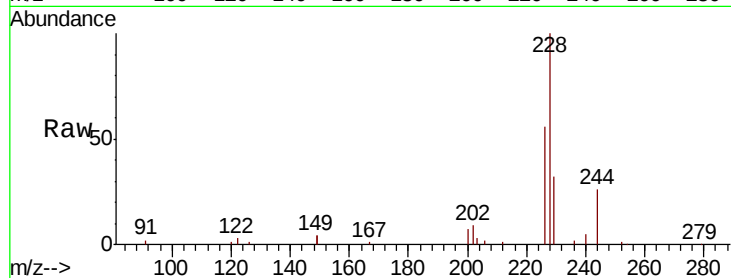
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.38 min Scan# 1631  
Delta R.T. 0.01 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-SW167-091819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 20.4  | 4.5   | 6.7#  |
| 236     | 38.5  | 20.6  | 30.8# |

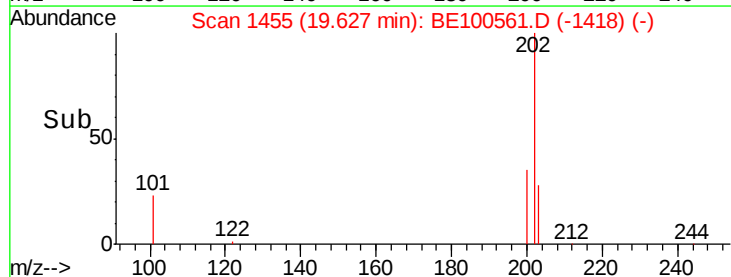
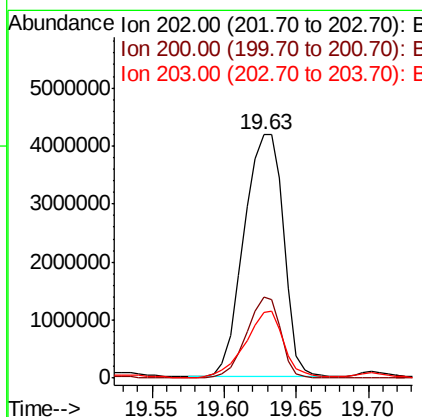
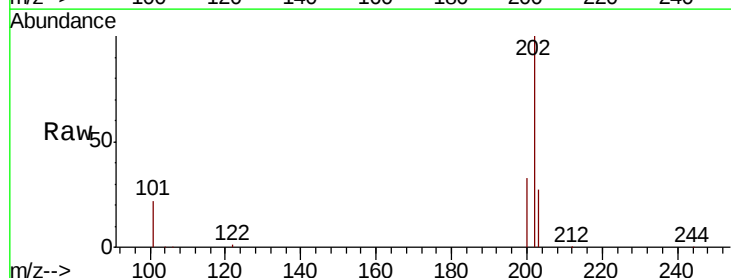
Manual Integrations  
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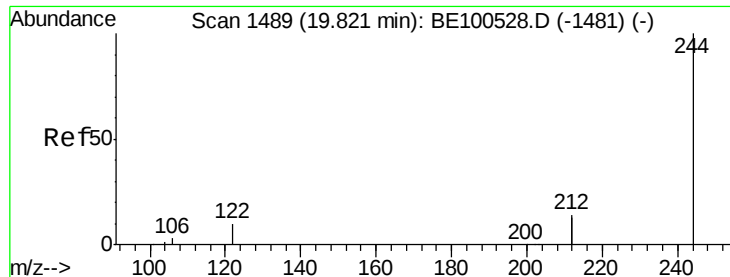
mohammad  
9/26/2019 3:55:54 PM



#28  
Pyrene  
Concen: 50.716 ng  
RT: 19.63 min Scan# 1455  
Delta R.T. 0.01 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 28.6  | 16.6  | 25.0# |
| 203     | 26.5  | 14.0  | 21.0# |





#29

Terphenyl-d14

Concen: 0.245 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

EXT-SW167-091819-1

Tot Ion:244 Resp: 31950

Ion Ratio Lower Upper

244 100

212 63.3 22.2 33.2#

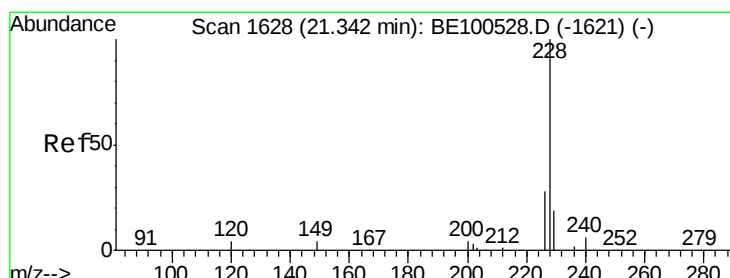
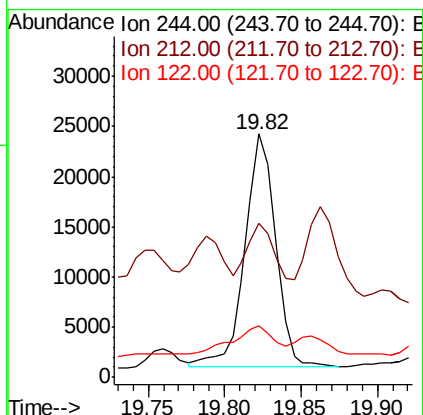
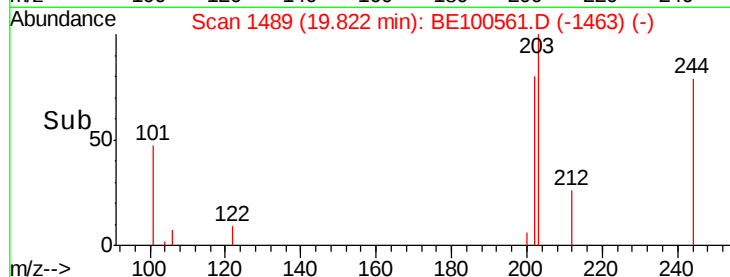
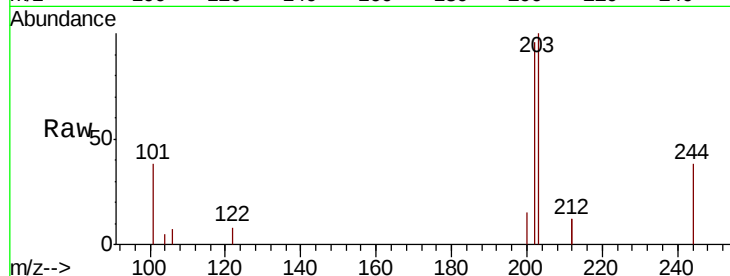
122 21.2 8.3 12.5#

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#30

Benzo(a)anthracene

Concen: 33.932 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

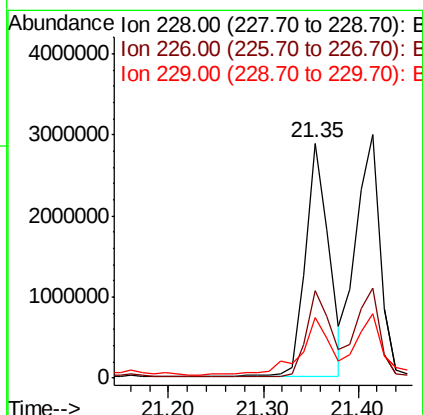
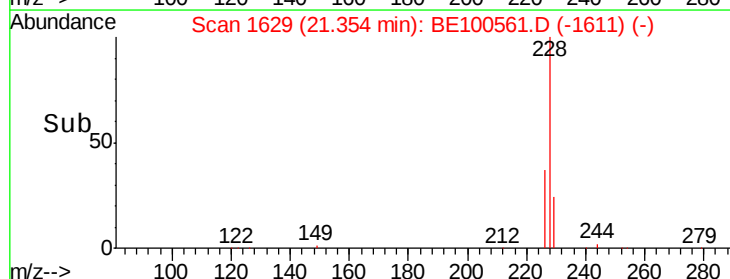
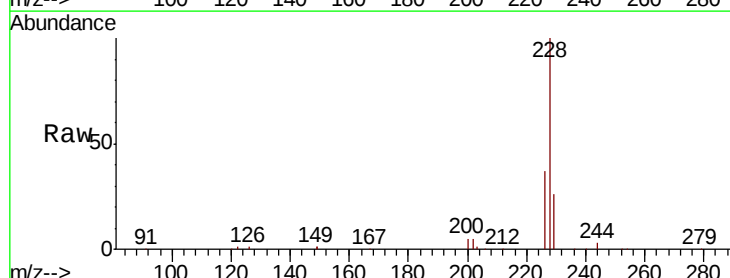
Tgt Ion:228 Resp: 4985664

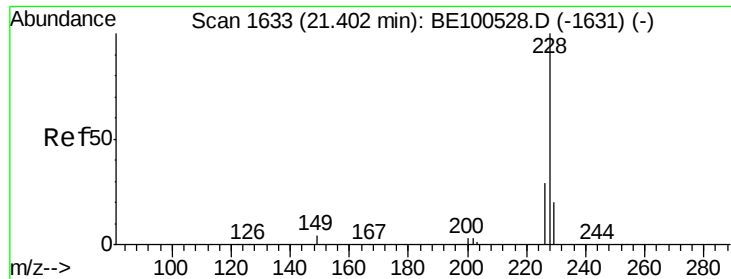
Ion Ratio Lower Upper

228 100

226 37.3 22.5 33.7#

229 25.6 15.4 23.2#





#31  
 Chrysene  
 Concen: 31.152 ng  
 RT: 21.41 min Scan# 1634  
 Delta R.T. 0.01 min  
 Lab File: BE100561.D  
 Acq: 25 Sep 2019 17:52

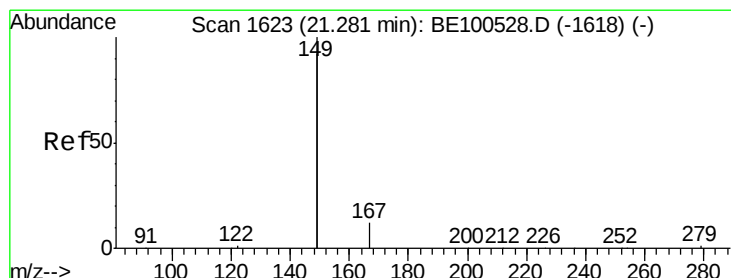
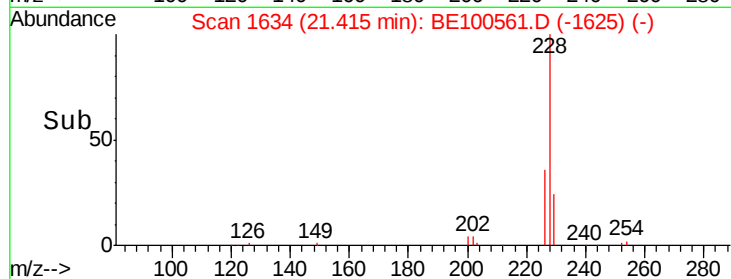
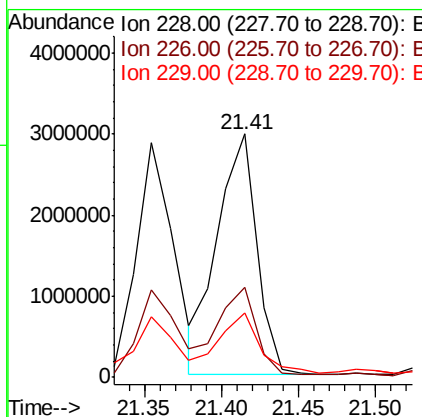
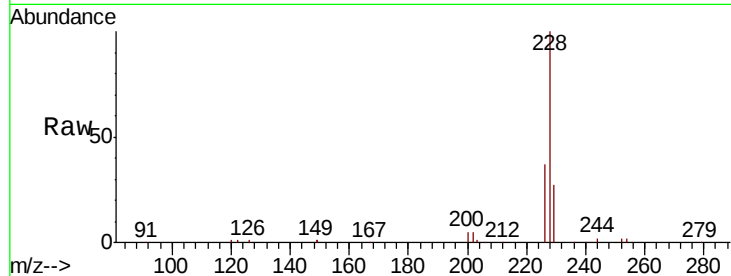
Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-SW167-091819-1

Tot Ion: 228 Resp: 5215418  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 36.8  | 23.3  | 34.9# |
| 229 | 26.6  | 16.3  | 24.5# |

Manual Integrations  
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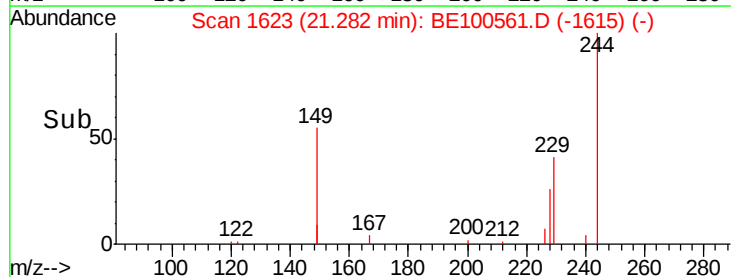
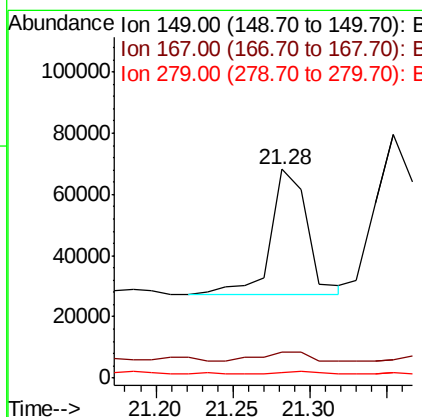
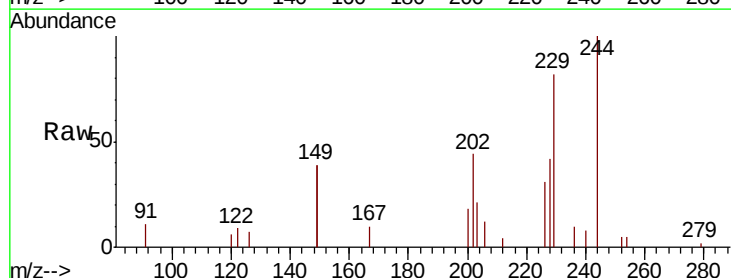
mohammad  
 9/26/2019 3:55:54 PM

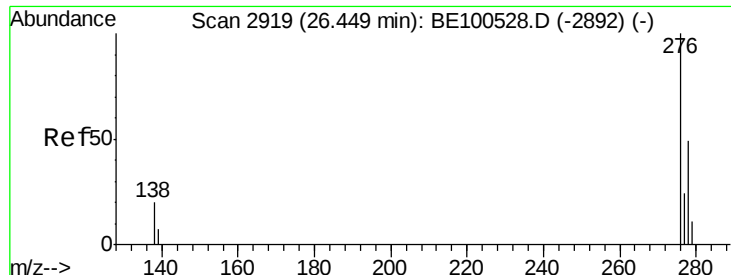


#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.430 ng  
 RT: 21.28 min Scan# 1623  
 Delta R.T. 0.00 min  
 Lab File: BE100561.D  
 Acq: 25 Sep 2019 17:52

Tgt Ion: 149 Resp: 68136  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 8.7   | 5.2   | 7.8#  |
| 279 | 1.0   | 1.0   | 1.4   |





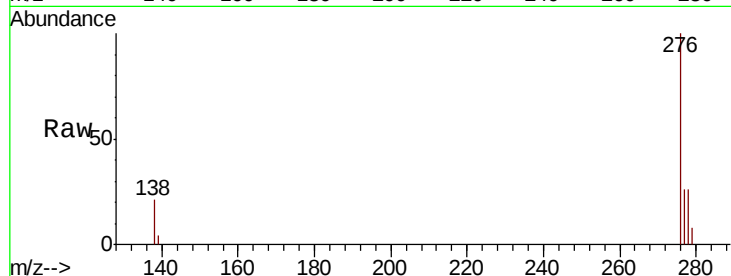
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 20.253 ng  
 RT: 26.49 min Scan# 2932  
 Delta R.T. 0.05 min  
 Lab File: BE100561.D  
 Acq: 25 Sep 2019 17:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-SW167-091819-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.5  | 17.7  | 26.5  |
| 277     | 25.1  | 19.9  | 29.9  |

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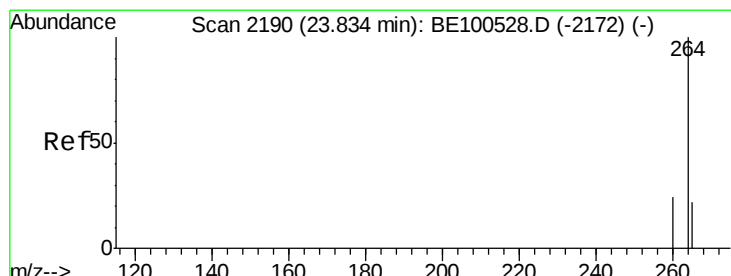
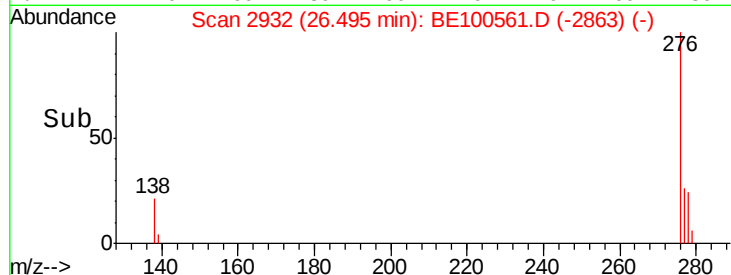
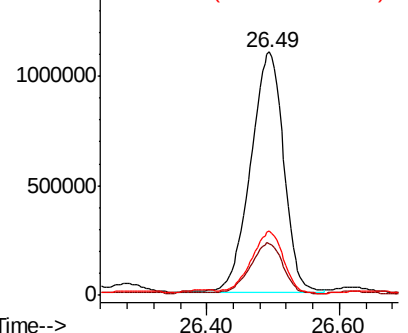


Abundance

Ion 276.00 (275.70 to 276.70): E

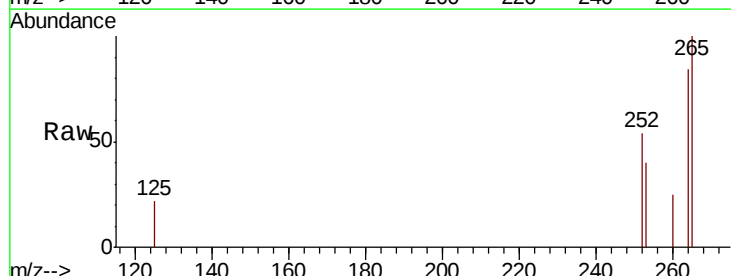
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.85 min Scan# 2196  
 Delta R.T. 0.02 min  
 Lab File: BE100561.D  
 Acq: 25 Sep 2019 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 29.6  | 19.6  | 29.4# |
| 265     | 118.6 | 21.8  | 32.8# |

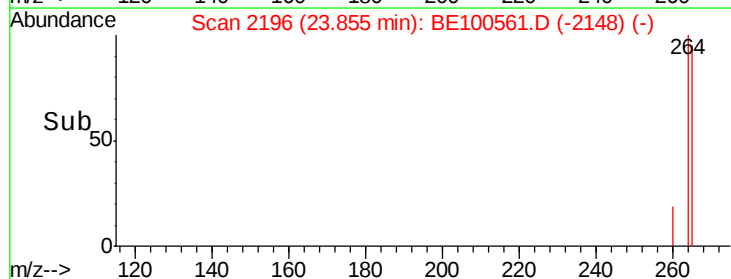
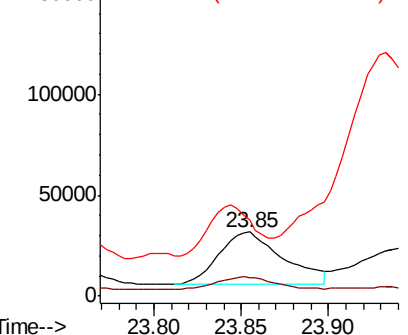


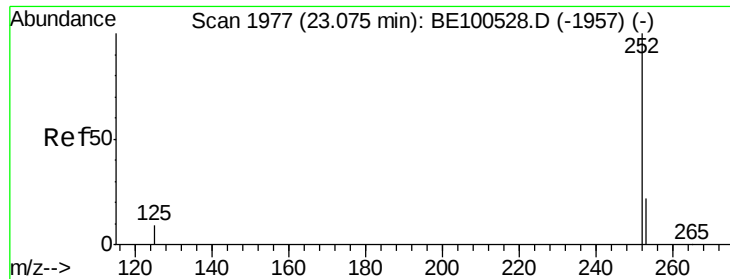
Abundance

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





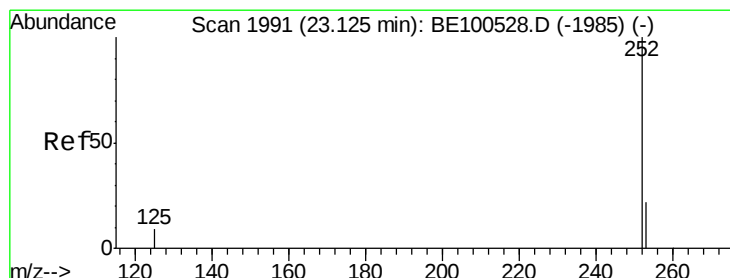
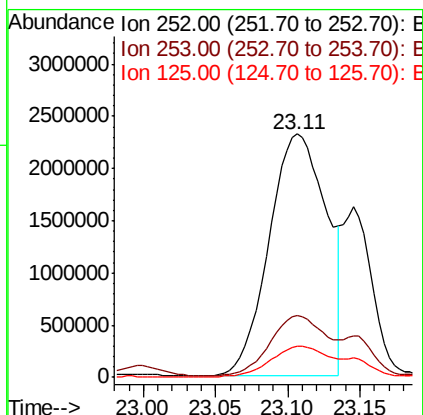
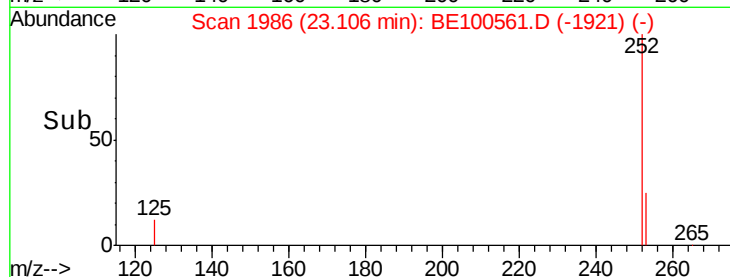
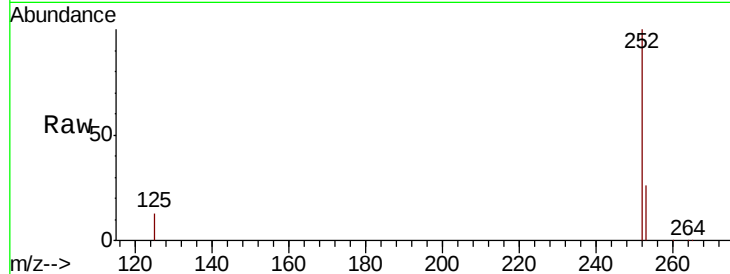
#35  
Benzo(b)fluoranthene  
Concen: 35.981 ng  
RT: 23.11 min Scan# 1986  
Delta R.T. 0.03 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-SW167-091819-1

Tot Ion:252 Resp: 6442556  
Ion Ratio Lower Upper  
252 100  
253 25.6 18.1 27.1  
125 12.6 8.0 12.0#

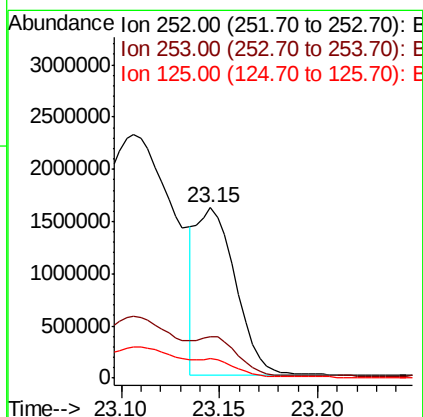
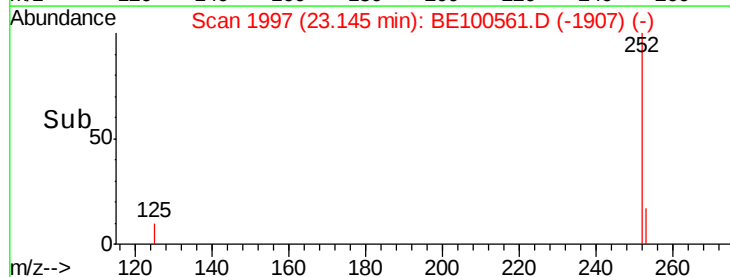
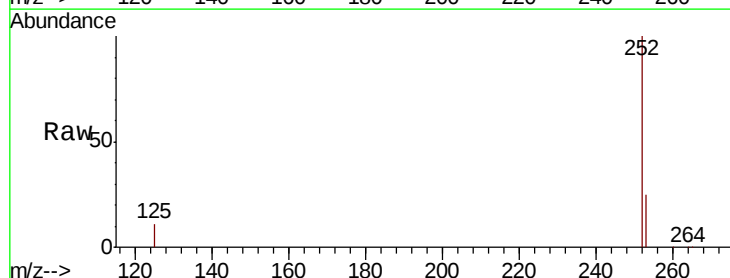
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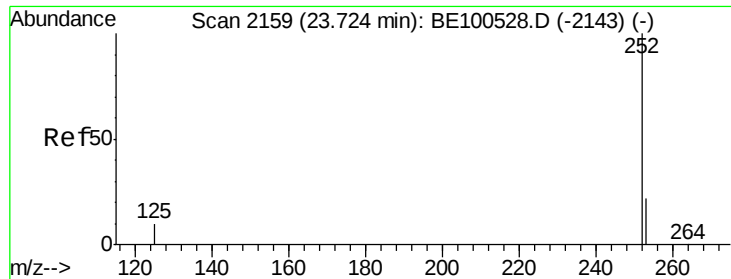
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#36  
Benzo(k)fluoranthene  
Concen: 10.790 ng m  
RT: 23.15 min Scan# 1997  
Delta R.T. 0.02 min  
Lab File: BE100561.D  
Acq: 25 Sep 2019 17:52

Tgt Ion:252 Resp: 2235491  
Ion Ratio Lower Upper  
252 100  
253 24.6 17.9 26.9  
125 11.2 8.5 12.7





#37

Benzo(a)pyrene

Concen: 29.633 ng

RT: 23.75 min Scan# 2167

Delta R.T. 0.03 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

Instrument :

BNA\_E

ClientSampleId :

EXT-SW167-091819-1

Tot Ion:252 Resp: 4950326

Ion Ratio Lower Upper

252 100

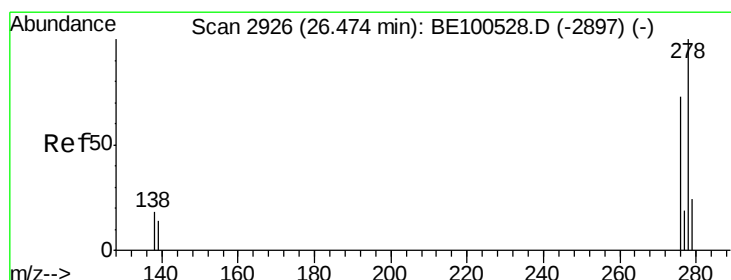
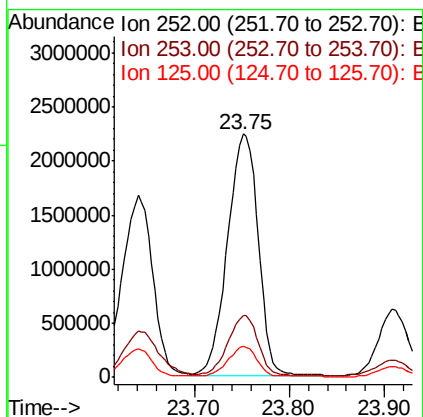
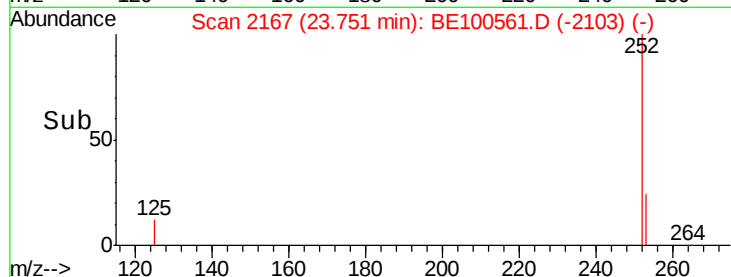
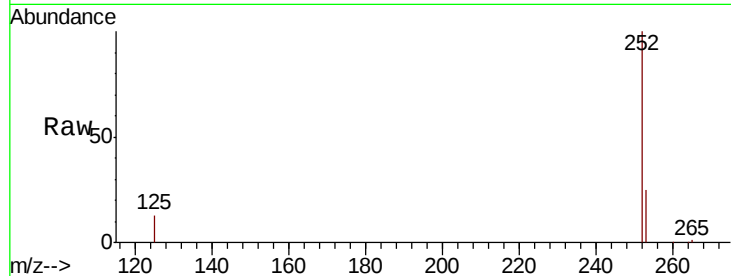
253 25.3 18.1 27.1

125 12.6 9.2 13.8

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#38

Dibenzo(a,h)anthracene

Concen: 5.365 ng

RT: 26.50 min Scan# 2934

Delta R.T. 0.03 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

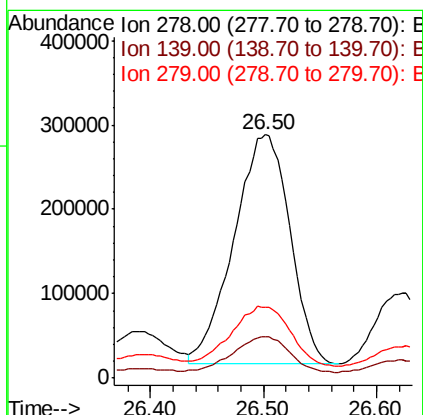
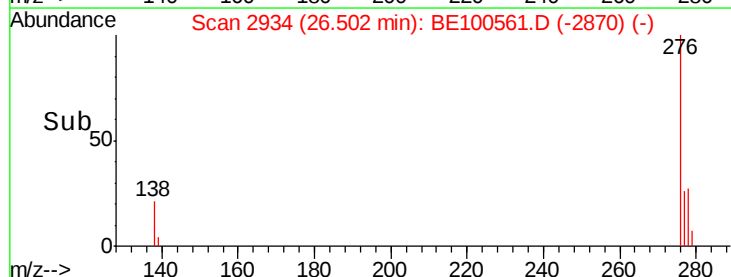
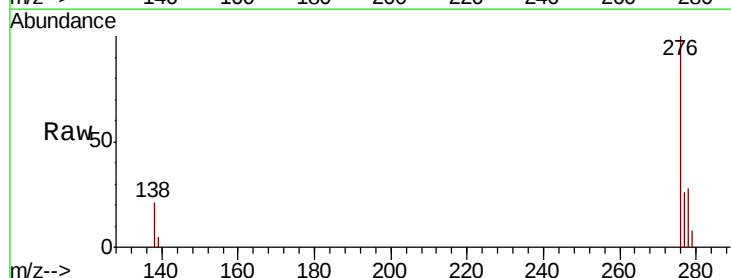
Tgt Ion:278 Resp: 933526

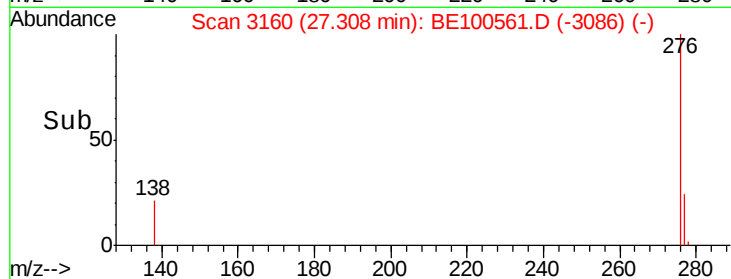
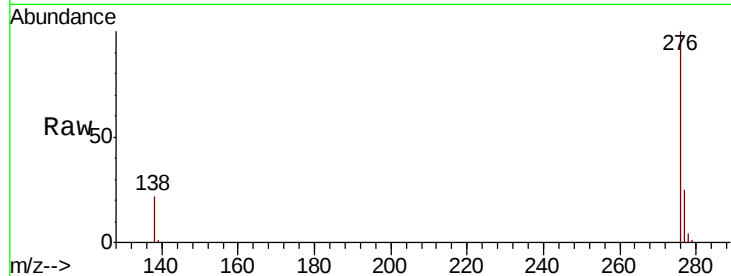
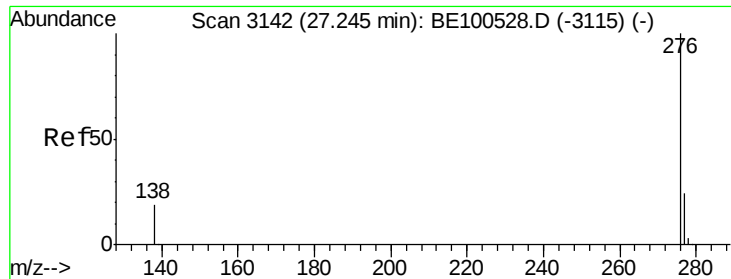
Ion Ratio Lower Upper

278 100

139 17.0 11.6 17.4

279 29.2 19.7 29.5





#39

Benzo(a,h,i)perylene

Concen: 21.655 ng

RT: 27.31 min Scan# 3160

Delta R.T. 0.06 min

Lab File: BE100561.D

Acq: 25 Sep 2019 17:52

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.0  | 19.2  | 28.8  |
| 138     | 21.8  | 15.7  | 23.5  |

Instrument :

BNA\_E

ClientSampleId :

EXT-SW167-091819-1

Manual Integrations  
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