

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE110124\  
 Data File : BE101450.D  
 Acq On : 1 Nov 2024 15:45  
 Operator : RC/JU  
 Sample : P4663-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 TENNANT-PAD-2-3-STOCKPILE

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024  
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Nov 01 17:22:19 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-BE102824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 29 01:26:30 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.573  | 152  | 90671    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.340 | 136  | 396894   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.182 | 164  | 265226   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.920 | 188  | 598076   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.080 | 240  | 668565   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 23.378 | 264  | 876363   | 20.000  | ng    | 0.01     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.322  | 112  | 536510   | 103.707 | ng    | 0.00     |
| 7) Phenol-d6                | 6.950  | 99   | 708836   | 98.815  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.783  | 82   | 408608   | 64.663  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.692 | 330  | 468925   | 100.875 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.802 | 172  | 1073639  | 68.555  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.517 | 244  | 2147495  | 73.928  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 16.962 | 178  | 63526    | 2.218   | ng    | 98       |
| 75) Fluoranthene            | 18.965 | 202  | 169582   | 4.876   | ng    | 96       |
| 78) Pyrene                  | 19.335 | 202  | 156114   | 4.246   | ng    | 96       |
| 81) Benzo(a)anthracene      | 21.063 | 228  | 96709    | 2.574   | ng    | 97       |
| 83) Chrysene                | 21.116 | 228  | 102572   | 2.823   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 22.661 | 252  | 152832m  | 3.346   | ng    |          |
| 90) Benzo(a)pyrene          | 23.266 | 252  | 107140   | 2.682   | ng    | # 90     |
| -----                       |        |      |          |         |       |          |

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

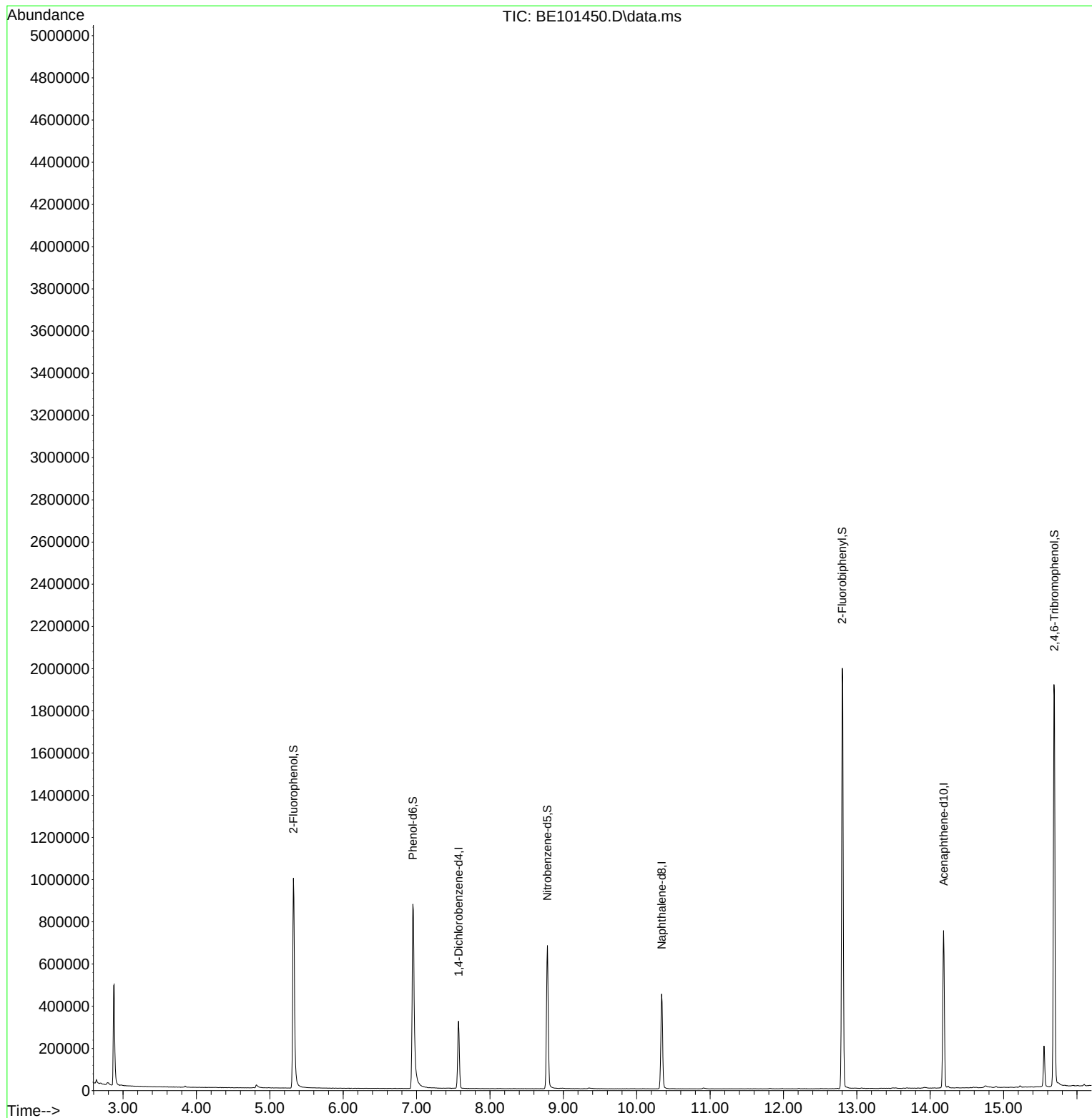
Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE110124\  
Data File : BE101450.D  
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Supervised By :mohammad ahmed 11/04/2024



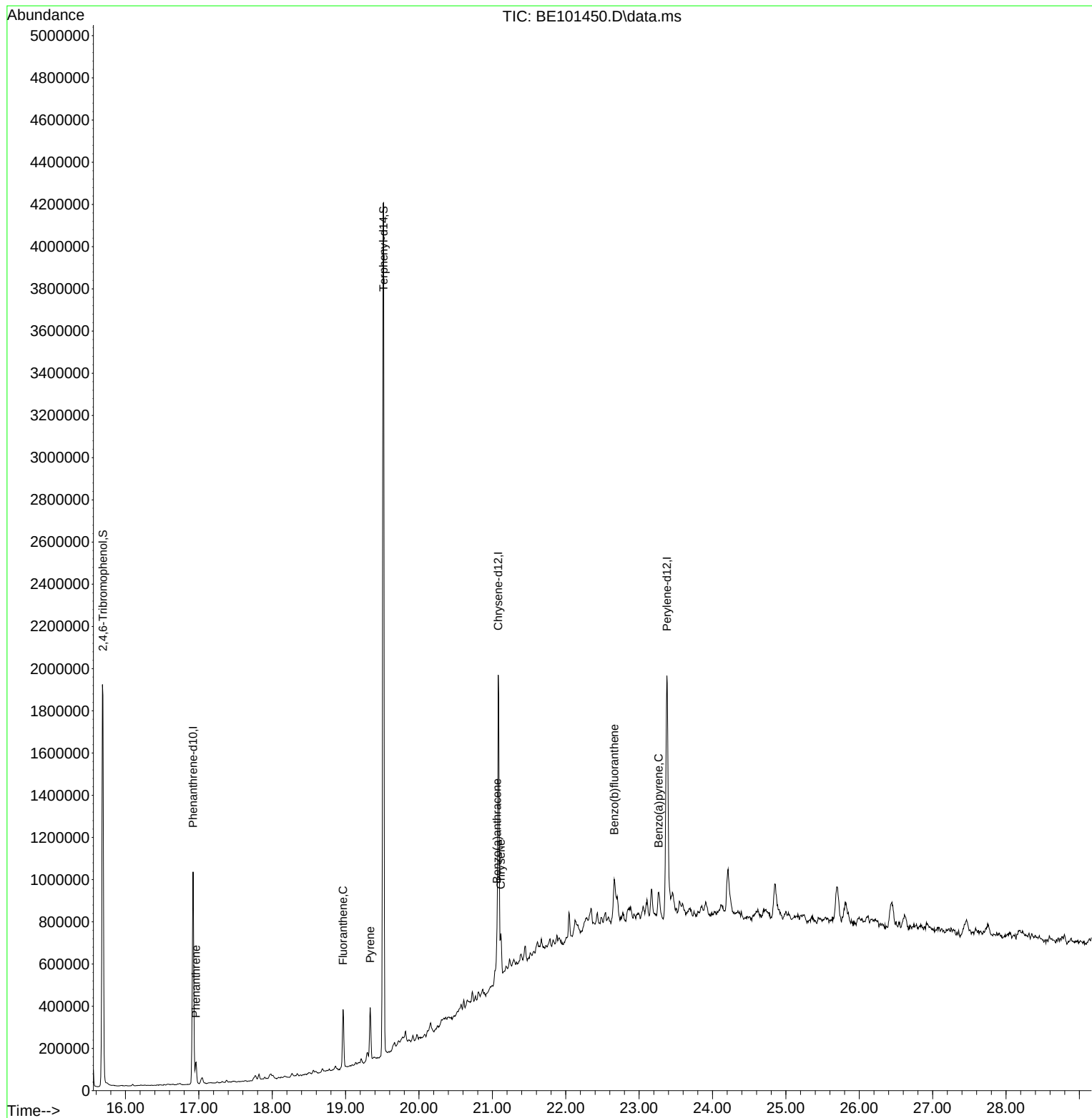
Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE110124\  
Data File : BE101450.D  
Acq On : 1 Nov 2024 15:45  
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Sample : P4663-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

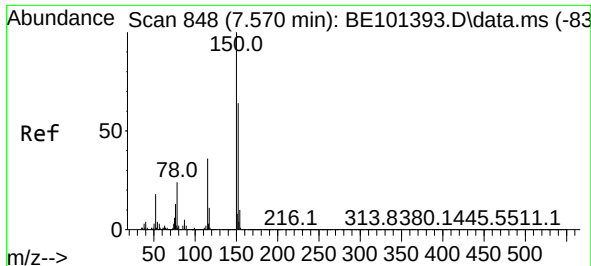
Instrument :  
BNA\_E  
ClientSampleId :  
TENNANT-PAD-2-3-STOCKPILE

Quant Time: Nov 01 17:22:19 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-BE102824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 29 01:26:30 2024  
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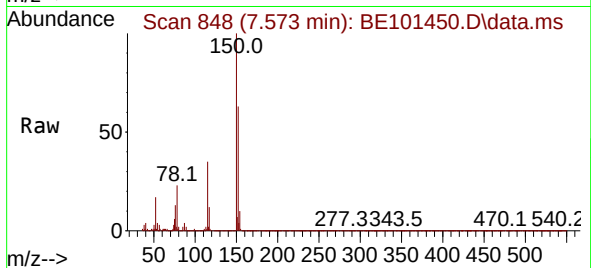
Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/04/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.573 min Scan# 848  
Delta R.T. 0.003 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45

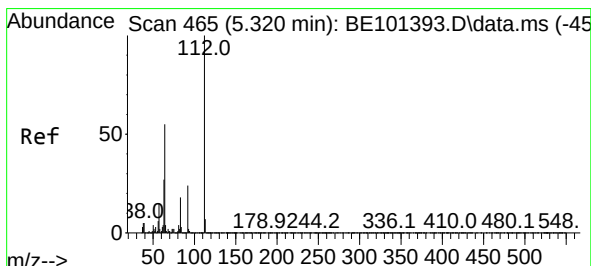
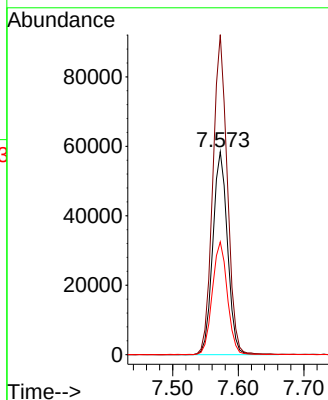
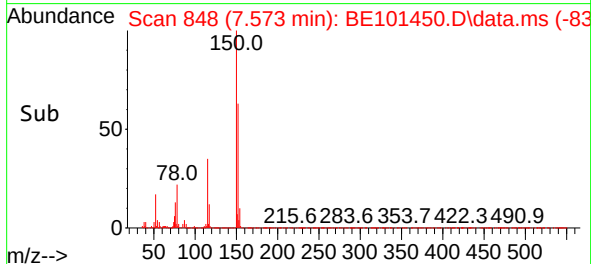
Instrument :  
BNA\_E  
ClientSampleId :  
TENNANT-PAD-2-3-STOCKPILE



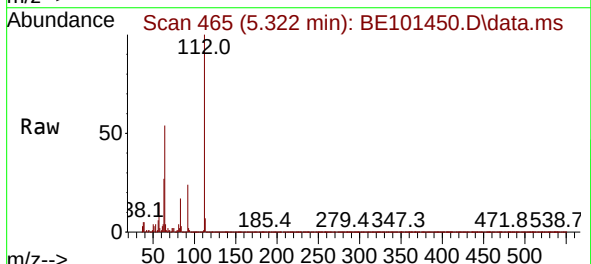
Tgt Ion:152 Resp: 9067  
Ion Ratio Lower Upper  
152 100  
150 157.8 124.2 186.4  
115 55.6 45.3 67.9

Manual Integrations  
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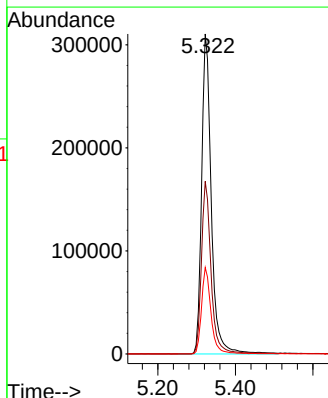
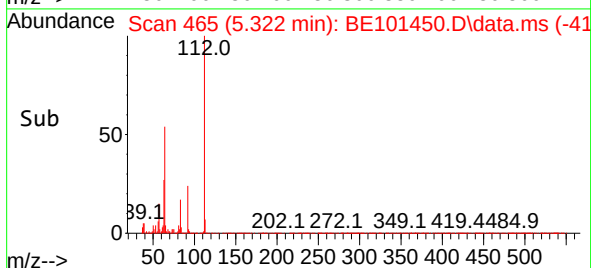
Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/04/2024

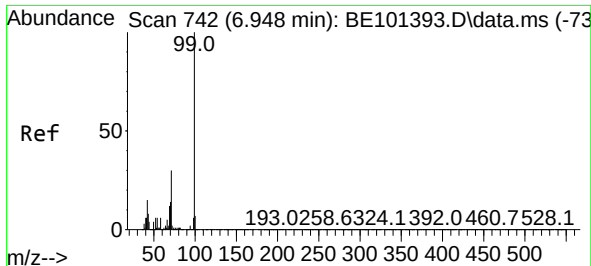


#5  
2-Fluorophenol  
Concen: 103.707 ng  
RT: 5.322 min Scan# 465  
Delta R.T. 0.002 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45



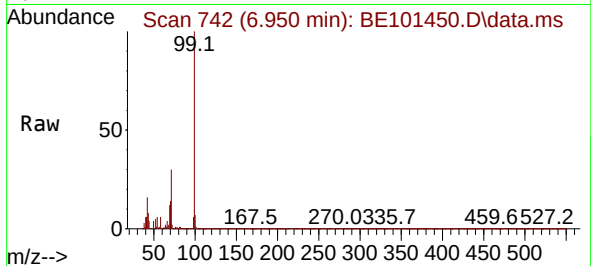
Tgt Ion:112 Resp: 536510  
Ion Ratio Lower Upper  
112 100  
64 54.0 43.7 65.5  
63 27.0 21.4 32.2





#7  
Phenol-d6  
Concen: 98.815 ng  
RT: 6.950 min Scan# 742  
Delta R.T. 0.002 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45

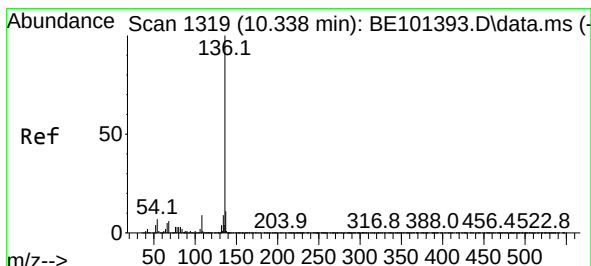
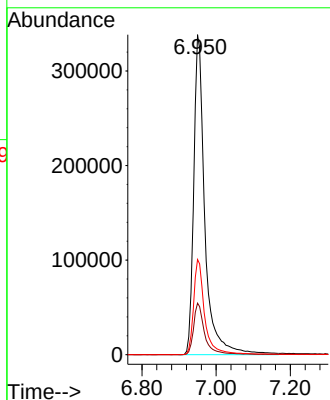
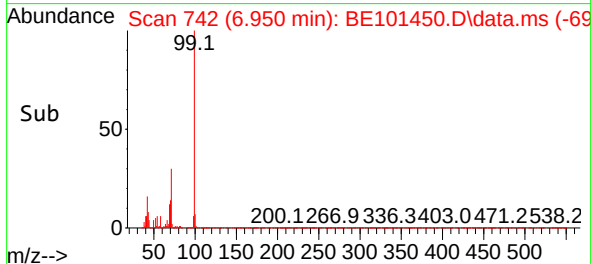
Instrument :  
BNA\_E  
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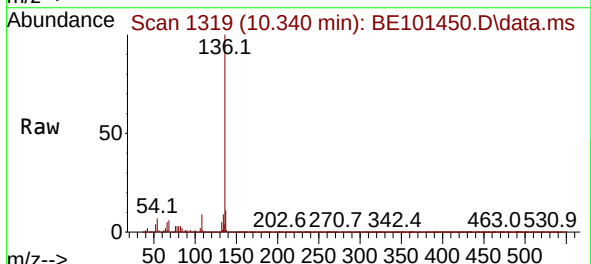
Tgt Ion: 99 Resp: 708830  
Ion Ratio Lower Upper  
99 100  
42 16.1 12.3 18.5  
71 29.8 23.8 35.8

Manual Integrations  
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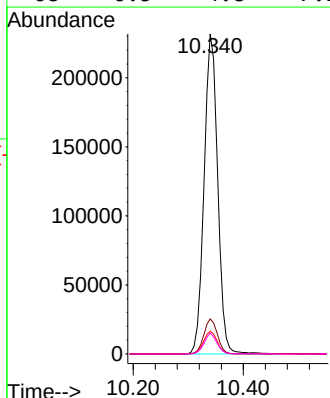
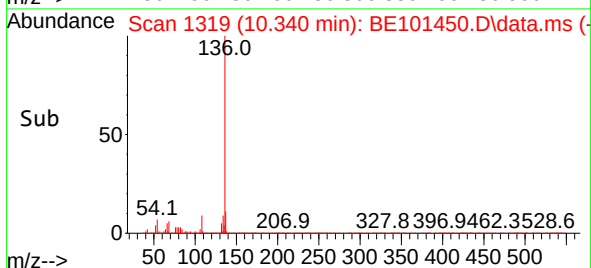
Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/04/2024

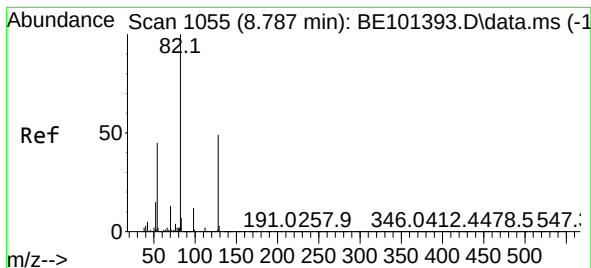


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.340 min Scan# 1319  
Delta R.T. 0.002 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45



Tgt Ion:136 Resp: 396894  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.0 13.6  
54 7.1 5.9 8.9  
68 6.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 64.663 ng

RT: 8.783 min Scan# 1055

Delta R.T. -0.004 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA\_E

ClientSampleId :

TENNANT-PAD-2-3-STOCKPILE

Tgt Ion: 82 Resp: 408608

Ion Ratio Lower Upper

82 100

128 47.2 38.9 58.3

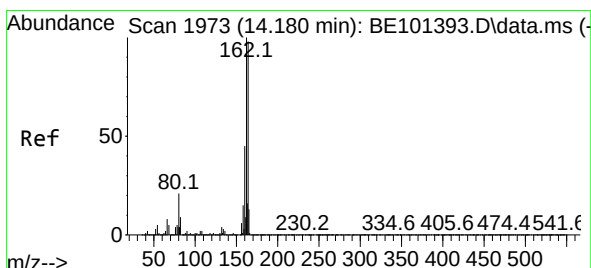
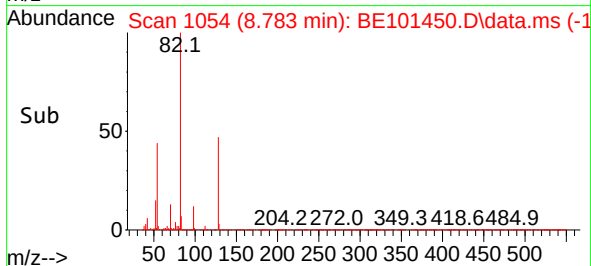
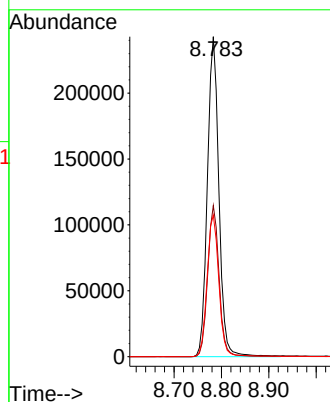
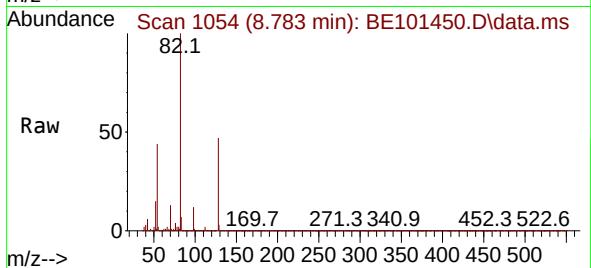
54 44.3 36.2 54.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.182 min Scan# 1973

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

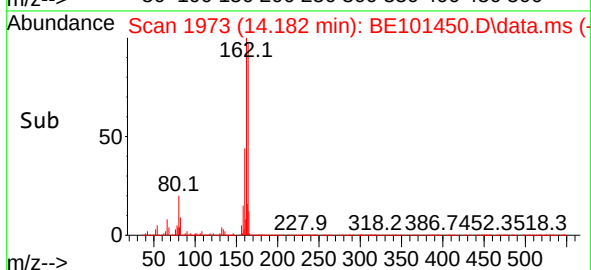
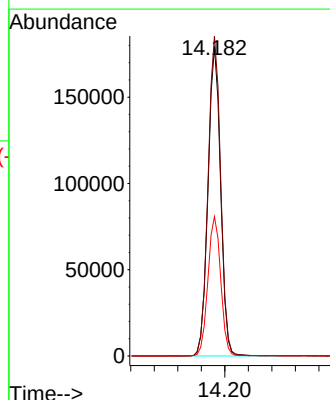
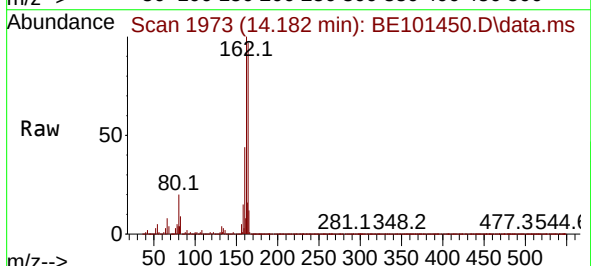
Tgt Ion:164 Resp: 265226

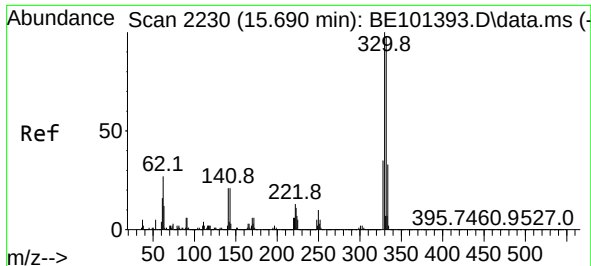
Ion Ratio Lower Upper

164 100

162 103.4 81.3 121.9

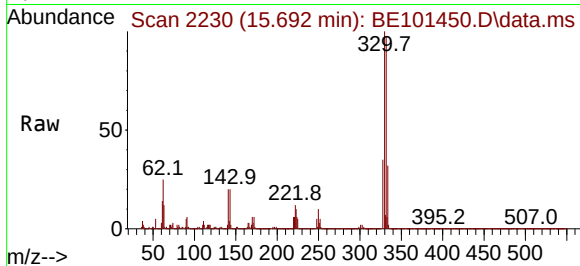
160 45.0 36.4 54.6





#42  
2,4,6-Tribromophenol  
Concen: 100.875 ng  
RT: 15.692 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45

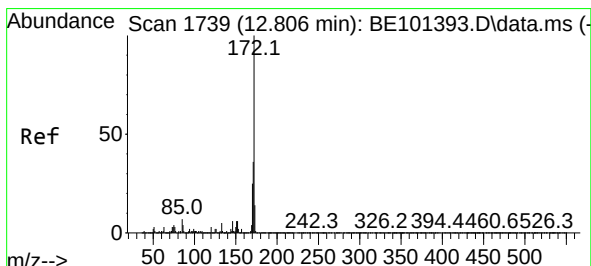
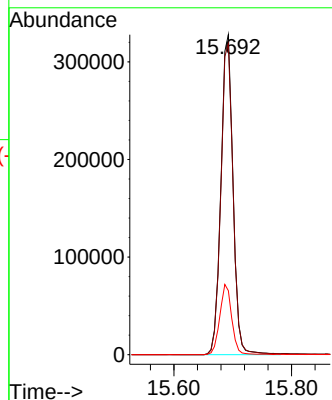
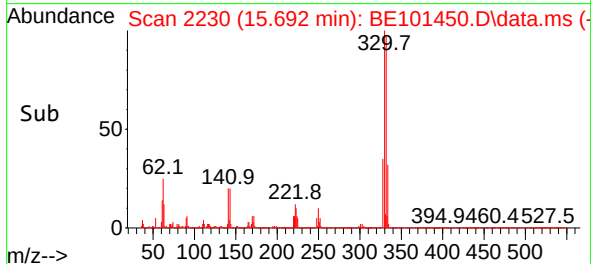
Instrument :  
BNA\_E  
ClientSampleId :  
TENNANT-PAD-2-3-STOCKPILE



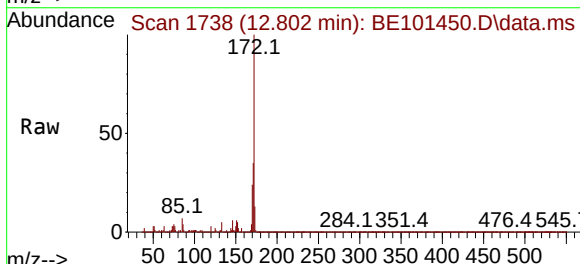
Tgt Ion:330 Resp: 468925  
Ion Ratio Lower Upper  
330 100  
332 98.4 78.2 117.2  
141 21.7 18.3 27.5

Manual Integrations  
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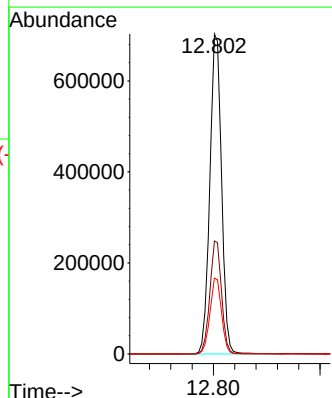
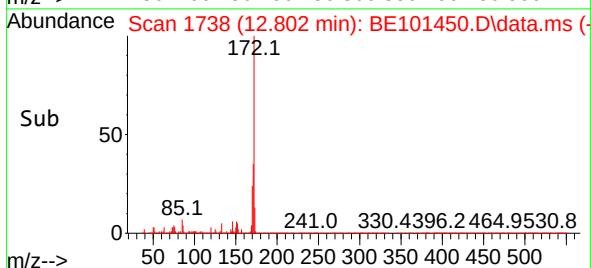
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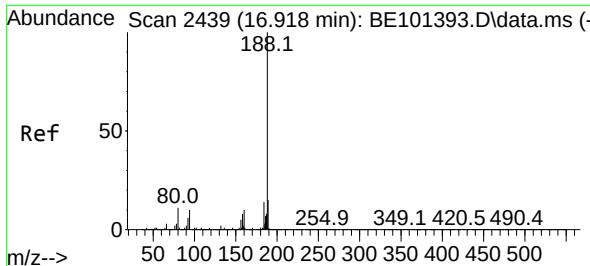


#45  
2-Fluorobiphenyl  
Concen: 68.555 ng  
RT: 12.802 min Scan# 1738  
Delta R.T. -0.004 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45



Tgt Ion:172 Resp: 1073639  
Ion Ratio Lower Upper  
172 100  
171 35.3 29.2 43.8  
170 23.7 19.8 29.6





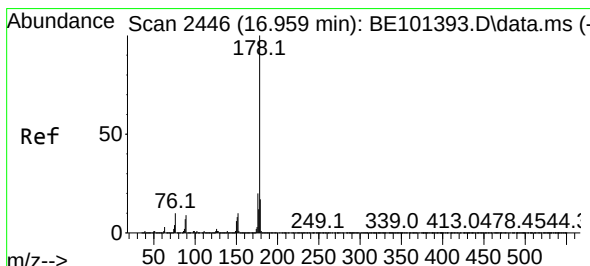
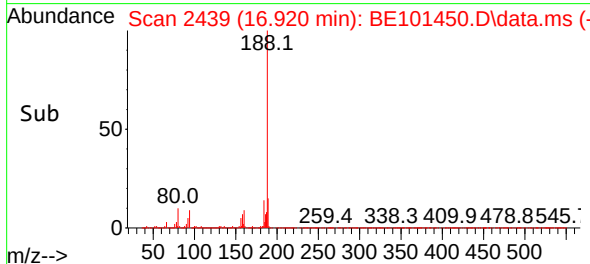
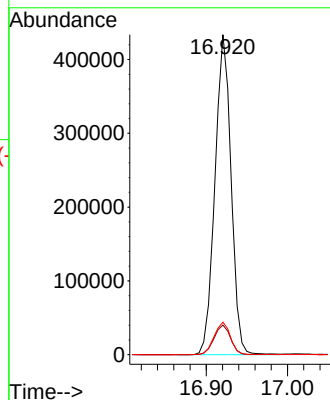
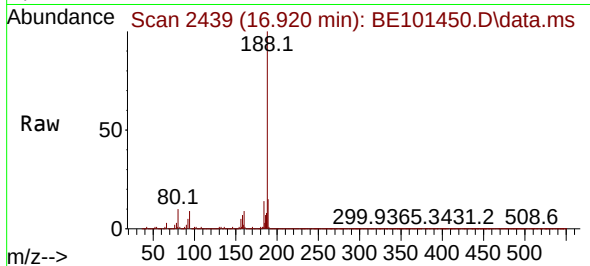
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.920 min Scan# 2439  
Delta R.T. 0.002 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45

Instrument :  
BNA\_E  
ClientSampleId :  
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Tgt Ion:188 Resp: 598070  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.8 11.8  
80 10.2 8.6 12.8

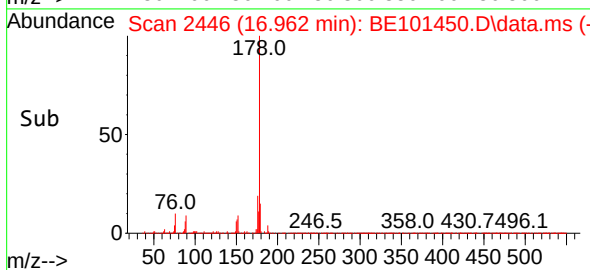
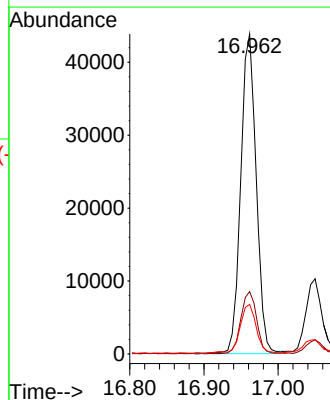
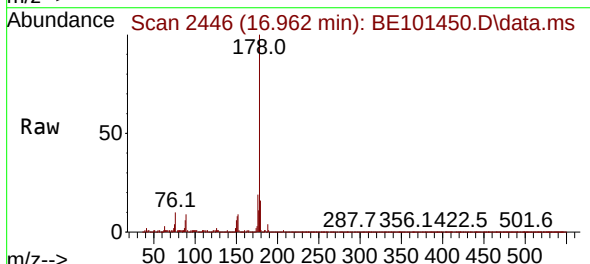
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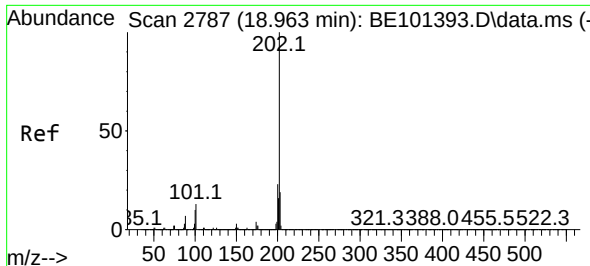


#71  
Phenanthrene  
Concen: 2.218 ng  
RT: 16.962 min Scan# 2446  
Delta R.T. 0.002 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45

Tgt Ion:178 Resp: 63526  
Ion Ratio Lower Upper  
178 100  
176 19.5 16.4 24.6  
179 15.5 13.2 19.8

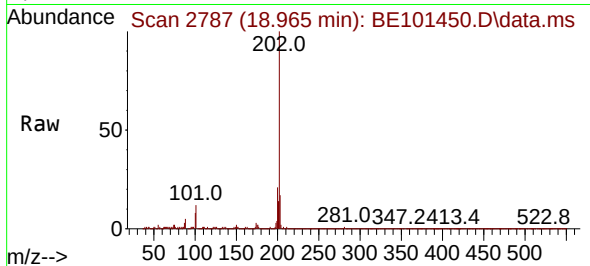






#75  
Fluoranthene  
Concen: 4.876 ng  
RT: 18.965 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45

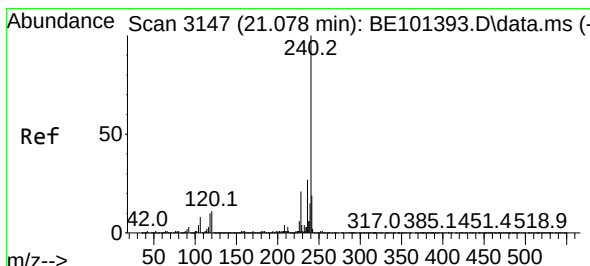
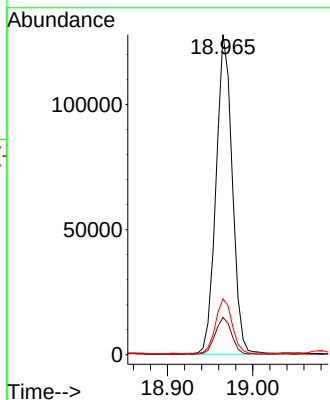
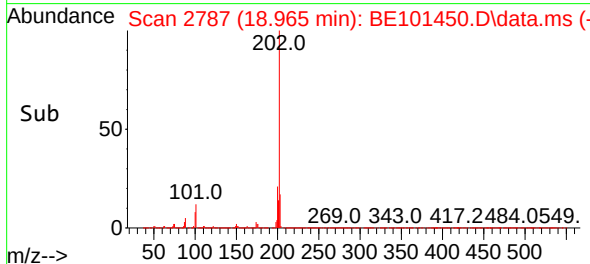
Instrument :  
BNA\_E  
ClientSampleId :  
TENNANT-PAD-2-3-STOCKPILE



Tgt Ion:202 Resp: 16958  
Ion Ratio Lower Upper  
202 100  
101 11.7 0.0 33.3  
203 17.4 0.0 39.3

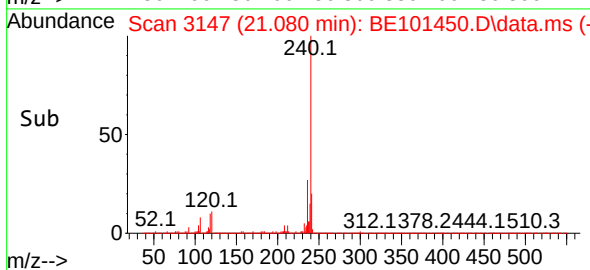
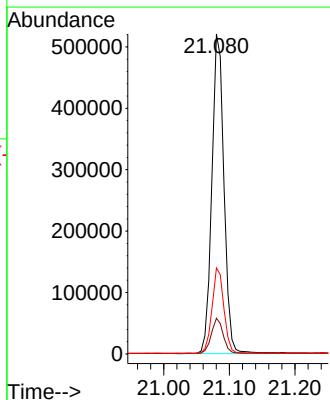
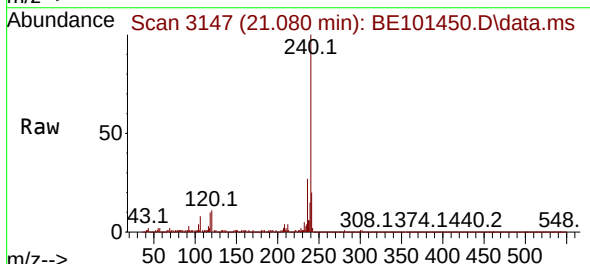
Manual Integrations  
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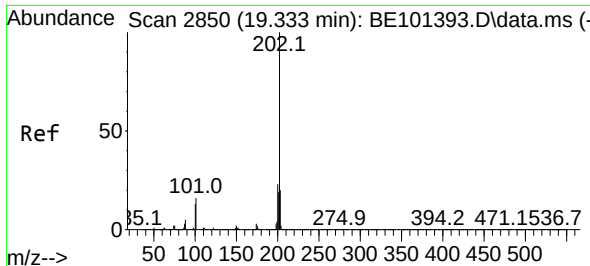
Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/04/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.080 min Scan# 3147  
Delta R.T. 0.002 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45

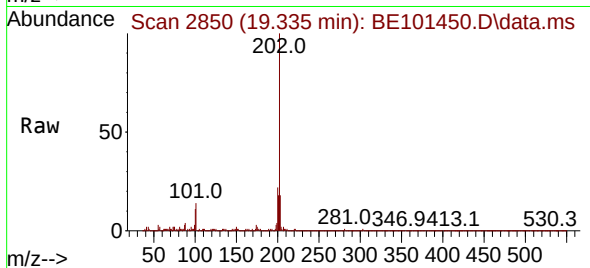
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Ion Ratio Lower Upper  
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120 11.1 9.0 13.4  
236 26.9 21.4 32.0





#78  
Pyrene  
Concen: 4.246 ng  
RT: 19.335 min Scan# 2850  
Delta R.T. 0.002 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45

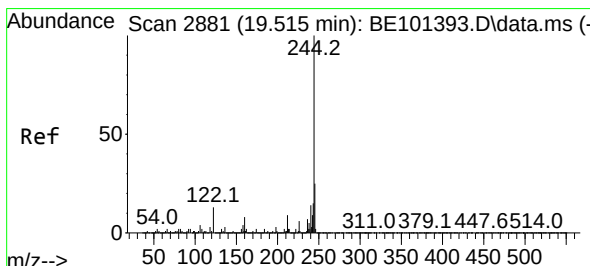
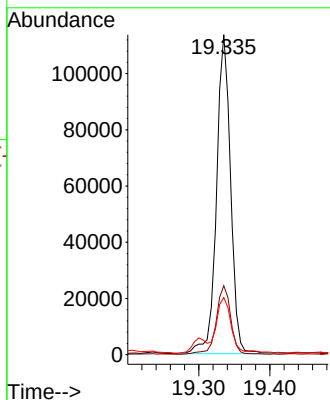
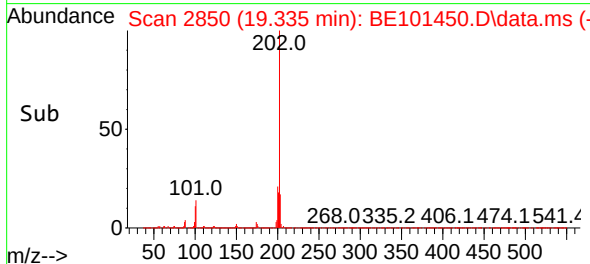
Instrument :  
BNA\_E  
ClientSampleId :  
TENNANT-PAD-2-3-STOCKPILE



Tgt Ion:202 Resp: 156114  
Ion Ratio Lower Upper  
202 100  
200 21.5 18.6 28.0  
203 17.9 15.6 23.4

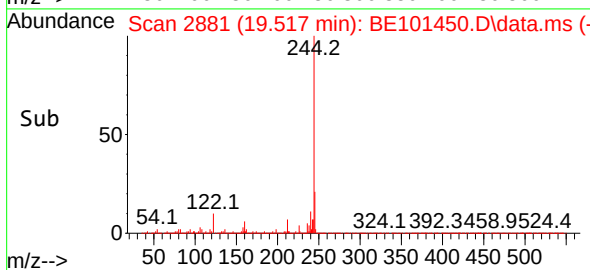
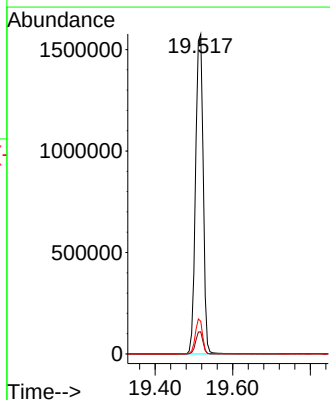
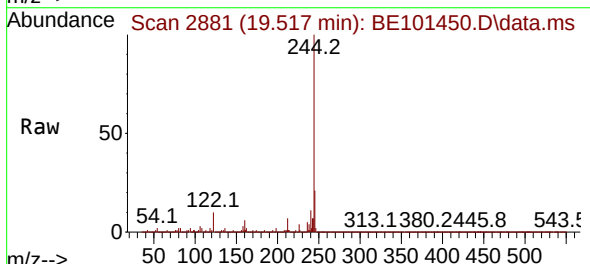
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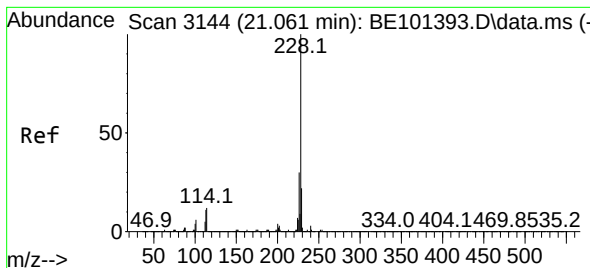
Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/04/2024



#79  
Terphenyl-d14  
Concen: 73.928 ng  
RT: 19.517 min Scan# 2881  
Delta R.T. 0.002 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45

Tgt Ion:244 Resp: 2147495  
Ion Ratio Lower Upper  
244 100  
212 6.9 7.2 10.8#  
122 10.2 10.4 15.6#





#81

Benzo(a)anthracene

Concen: 2.574 ng

RT: 21.063 min Scan# 3144

Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

Instrument :

BNA\_E

ClientSampleId :

TENNANT-PAD-2-3-STOCKPILE

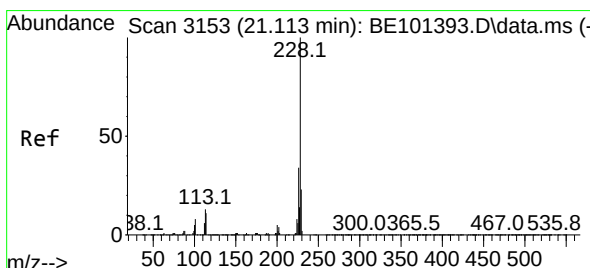
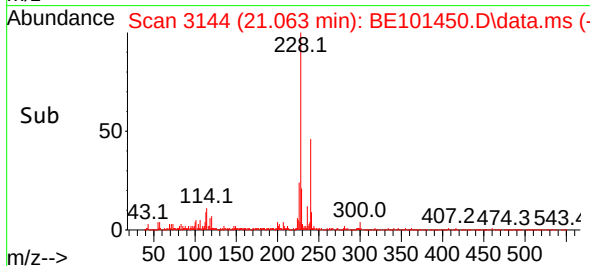
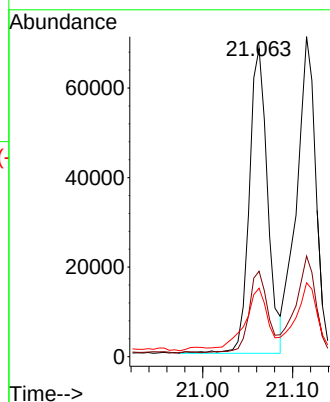
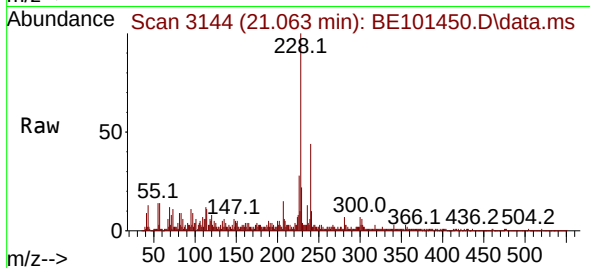
Tgt Ion:228 Resp: 96709  
 Ion Ratio Lower Upper  
 228 100  
 226 27.7 24.1 36.1  
 229 22.2 17.3 25.9

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Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#83

Chrysene

Concen: 2.823 ng

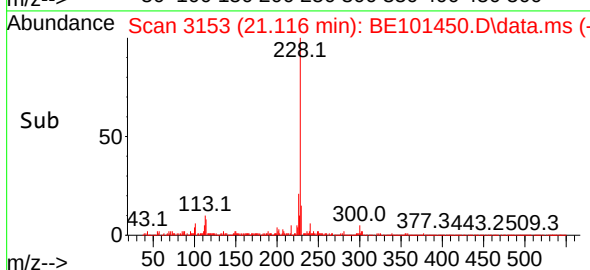
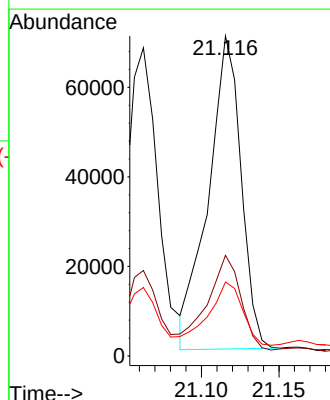
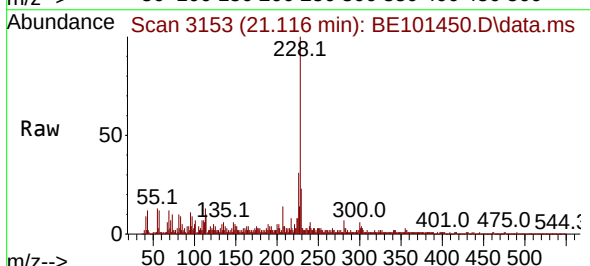
RT: 21.116 min Scan# 3153

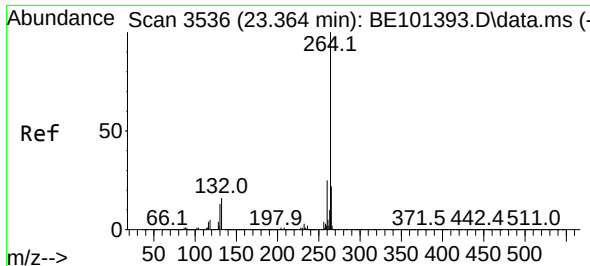
Delta R.T. 0.002 min

Lab File: BE101450.D

Acq: 1 Nov 2024 15:45

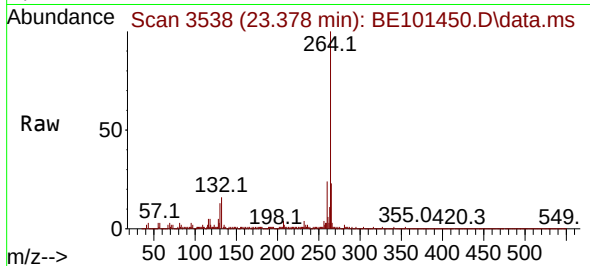
Tgt Ion:228 Resp: 102572  
 Ion Ratio Lower Upper  
 228 100  
 226 31.4 27.2 40.8  
 229 23.1 18.0 27.0





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.378 min Scan# 3536  
 Delta R.T. 0.014 min  
 Lab File: BE101450.D  
 Acq: 1 Nov 2024 15:45

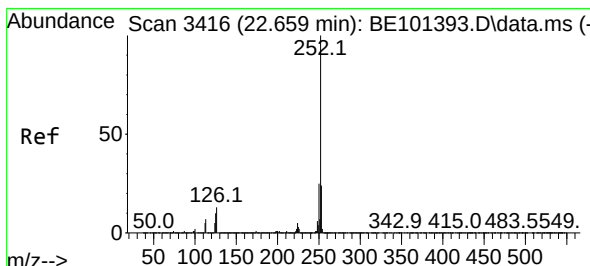
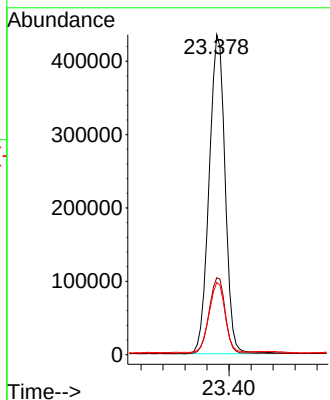
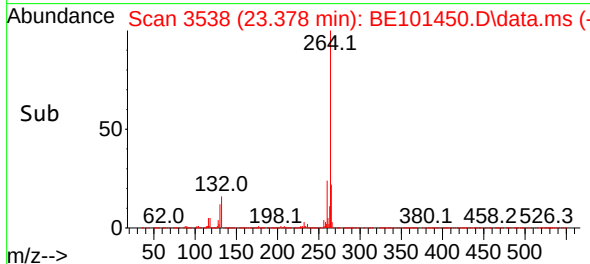
Instrument :  
 BNA\_E  
 ClientSampleId :  
 TENNANT-PAD-2-3-STOCKPILE



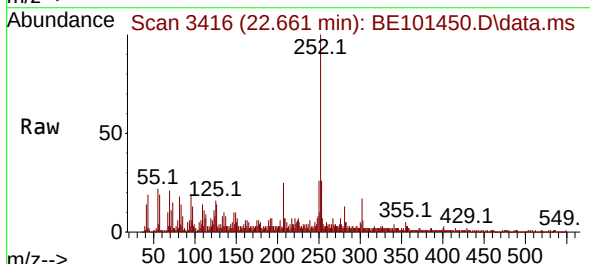
Tgt Ion:264 Resp: 87636  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.8 29.8  
 265 22.6 17.6 26.4

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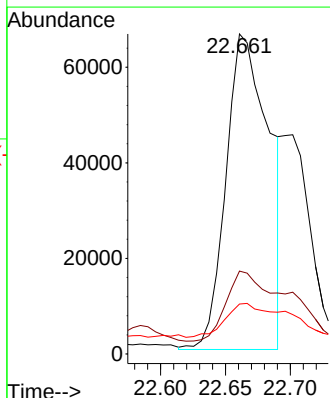
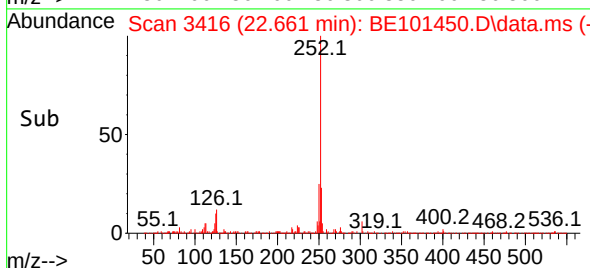
Reviewed By :Yogesh Patel 11/04/2024  
 Supervised By :mohammad ahmed 11/04/2024

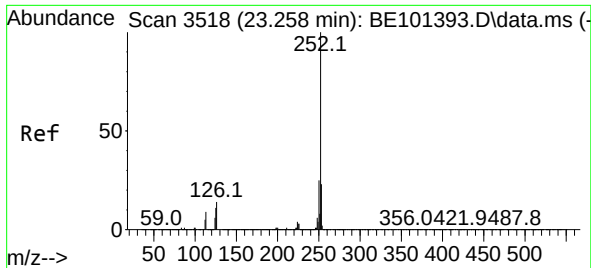


#88  
 Benzo(b)fluoranthene  
 Concen: 3.346 ng m  
 RT: 22.661 min Scan# 3416  
 Delta R.T. 0.002 min  
 Lab File: BE101450.D  
 Acq: 1 Nov 2024 15:45



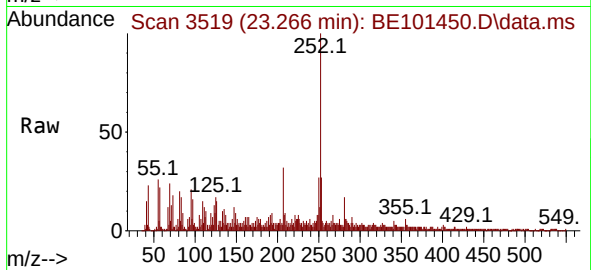
Tgt Ion:252 Resp: 152832  
 Ion Ratio Lower Upper  
 252 100  
 253 25.9 19.0 28.6  
 125 15.6 8.2 12.2#





#90  
Benzo(a)pyrene  
Concen: 2.682 ng  
RT: 23.266 min Scan# 3519  
Delta R.T. 0.008 min  
Lab File: BE101450.D  
Acq: 1 Nov 2024 15:45

Instrument :  
BNA\_E  
ClientSampleId :  
TENNANT-PAD-2-3-STOCKPILE



Tgt Ion:252 Resp: 107140  
Ion Ratio Lower Upper  
252 100  
253 26.7 18.4 27.6  
125 16.8 9.0 13.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/04/2024

