

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF013125\  
 Data File : BF141333.D  
 Acq On : 31 Jan 2025 15:39  
 Operator : RC/JU  
 Sample : Q1205-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-236

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025  
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 16:01:45 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 29 17:41:25 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 149221   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.081  | 136  | 599189   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 315627   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 489124   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.963 | 240  | 325072   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.433 | 264  | 309327   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 657297   | 67.623 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.422  | 99   | 830032   | 67.127 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 517235   | 45.506 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 185710   | 64.180 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 911939   | 44.472 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 808776   | 38.369 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 31) Naphthalene               | 8.098  | 128  | 227052   | 7.173  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.792  | 142  | 41765    | 2.076  | ng    | 99       |
| 52) Acenaphthene              | 9.863  | 154  | 40087    | 2.089  | ng    | 97       |
| 71) Phenanthrene              | 11.345 | 178  | 94194    | 3.583  | ng    | 99       |
| 75) Fluoranthene              | 12.533 | 202  | 69197    | 2.665  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149  | 122328   | 8.846  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.010 | 252  | 51625m   | 2.653  | ng    |          |
| -----                         |        |      |          |        |       |          |

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

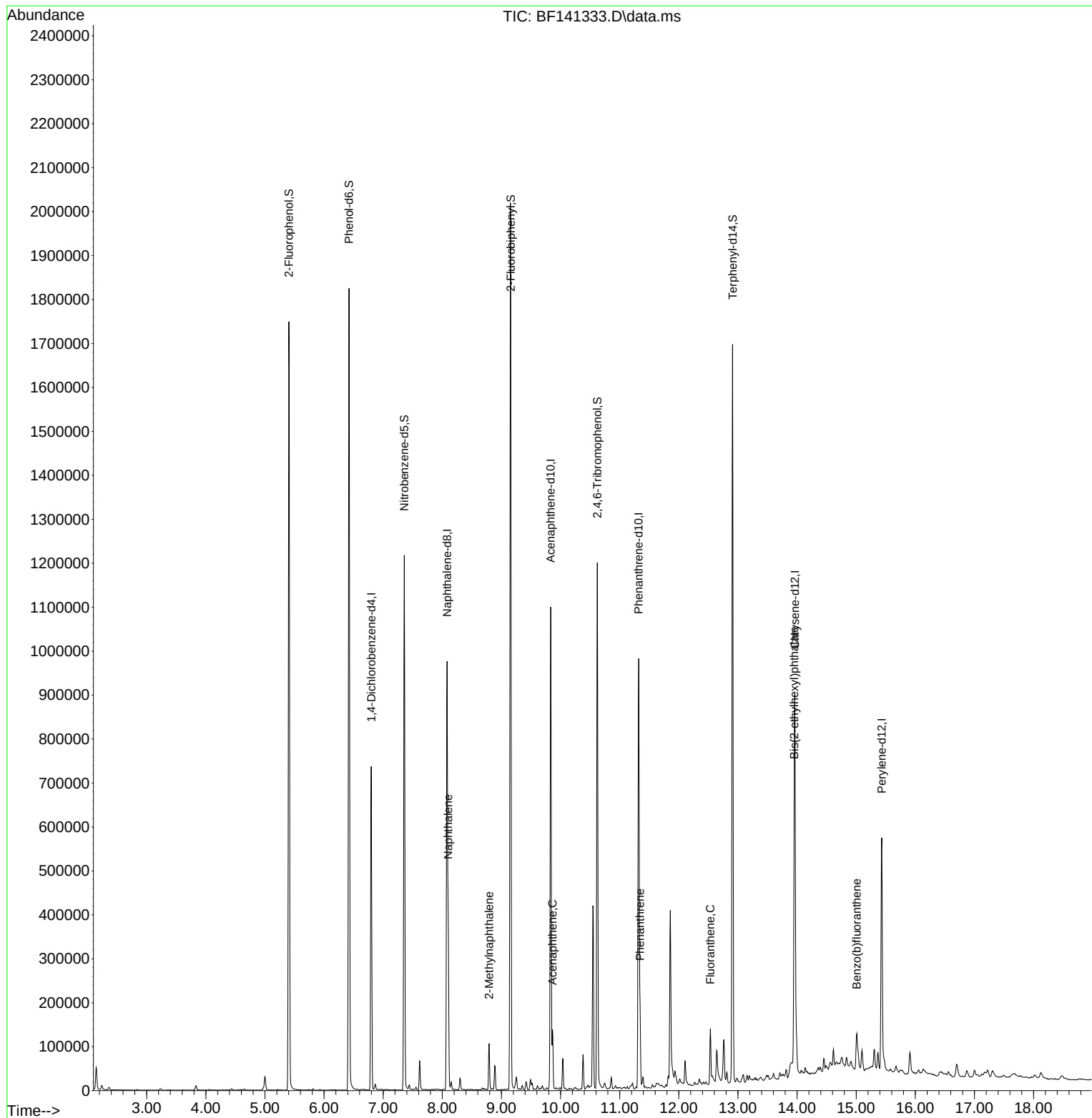
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF013125\  
Data File : BF141333.D  
Acq On : 31 Jan 2025 15:39  
Operator : RC/JU  
Sample : Q1205-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

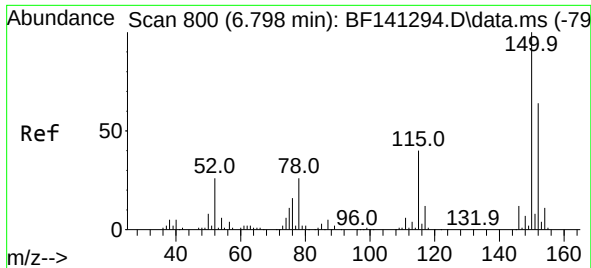
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-236

Quant Time: Jan 31 16:01:45 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 29 17:41:25 2025  
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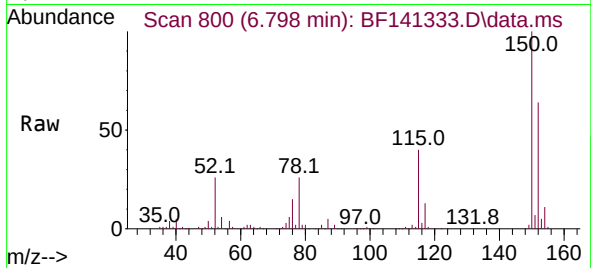
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

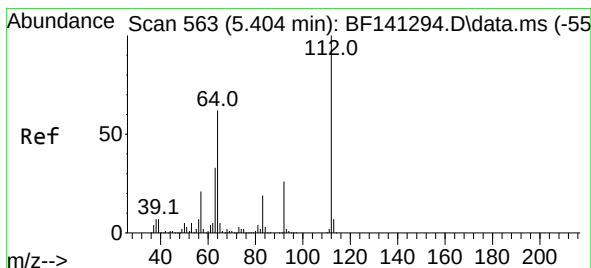
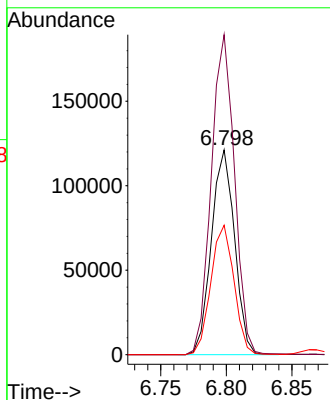
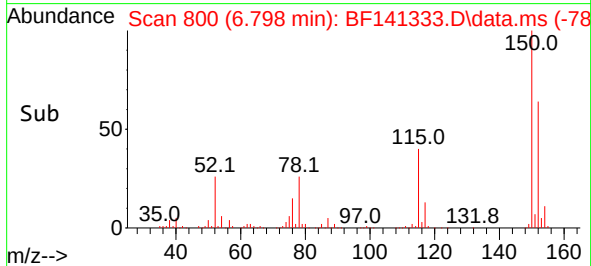
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-236



Tgt Ion:152 Resp: 14922  
Ion Ratio Lower Upper  
152 100  
150 156.2 125.9 188.9  
115 63.2 49.7 74.5

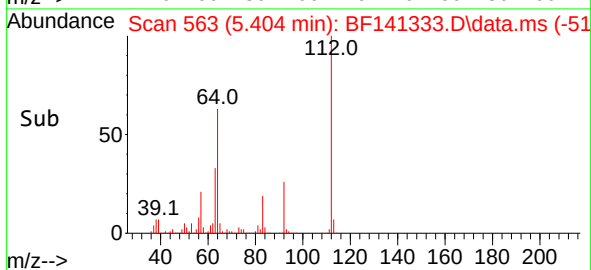
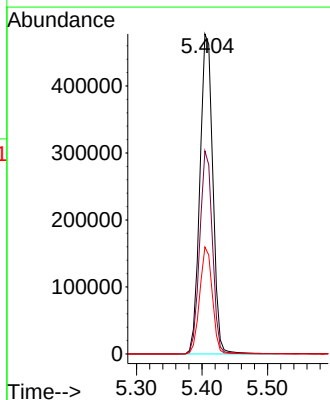
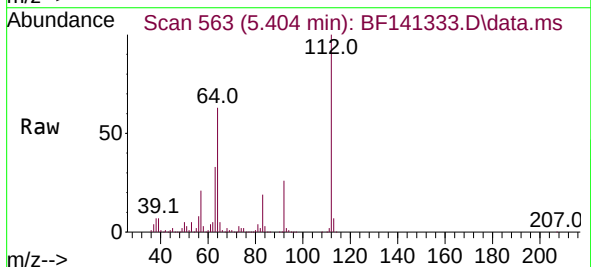
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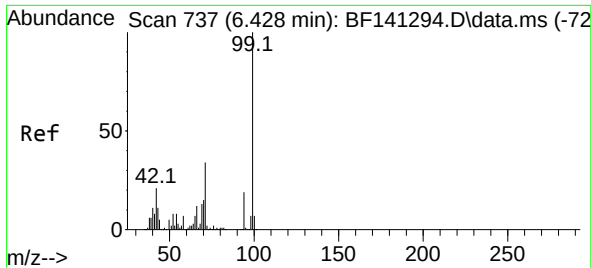
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#5  
2-Fluorophenol  
Concen: 67.623 ng  
RT: 5.404 min Scan# 563  
Delta R.T. -0.006 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

Tgt Ion:112 Resp: 657297  
Ion Ratio Lower Upper  
112 100  
64 63.4 49.8 74.8  
63 33.4 26.1 39.1





#7

Phenol-d6

Concen: 67.127 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

Instrument :

BNA\_F

ClientSampleId :

VNJ-236

Tgt Ion: 99 Resp: 83003

Ion Ratio Lower Upper

99 100

42 20.7 17.1 25.7

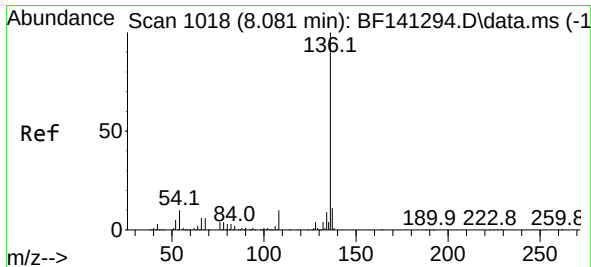
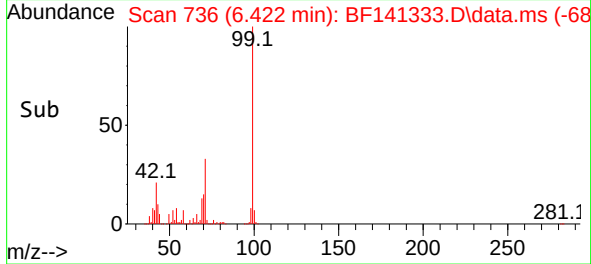
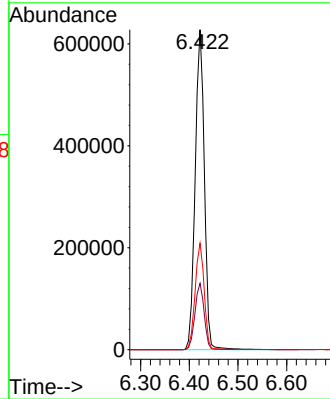
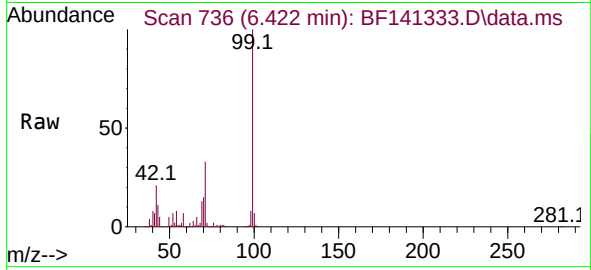
71 33.2 26.9 40.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

Tgt Ion:136 Resp: 599189

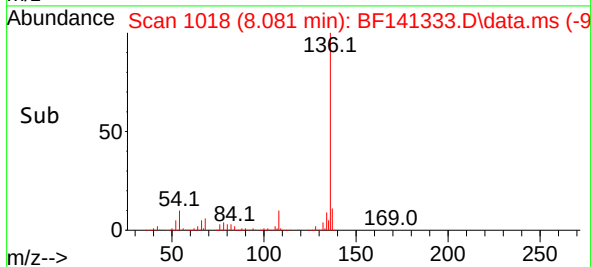
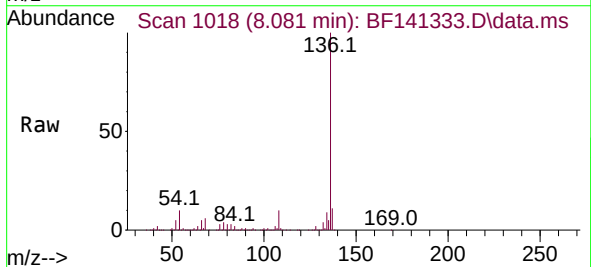
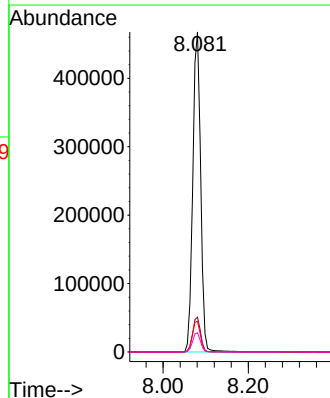
Ion Ratio Lower Upper

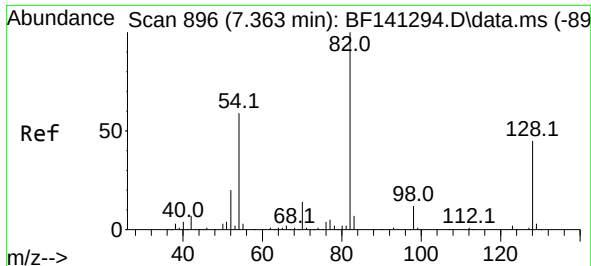
136 100

137 10.9 8.6 13.0

54 9.6 7.8 11.8

68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 45.506 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

Instrument :

BNA\_F

ClientSampleId :

VNJ-236

Tgt Ion: 82 Resp: 51723

Ion Ratio Lower Upper

82 100

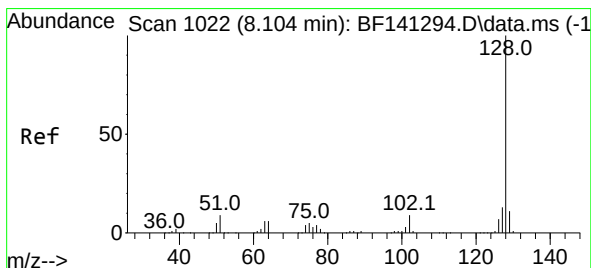
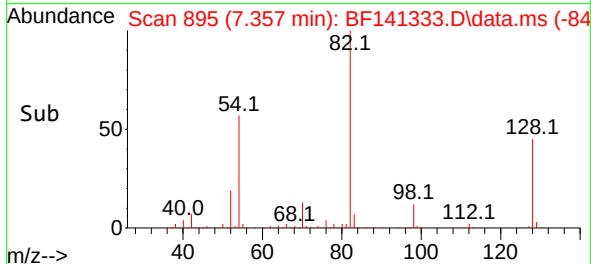
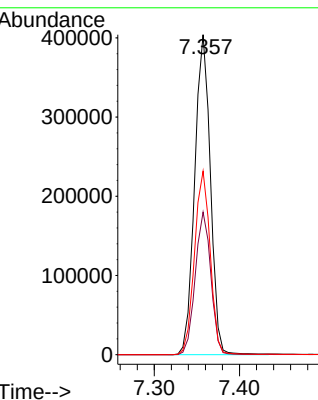
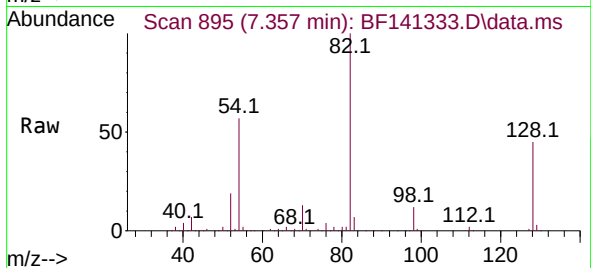
128 44.6 35.7 53.5

54 57.4 47.1 70.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#31

Naphthalene

Concen: 7.173 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.012 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

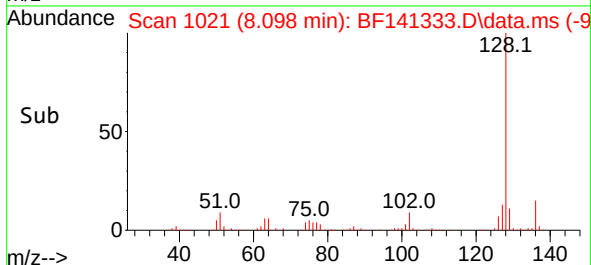
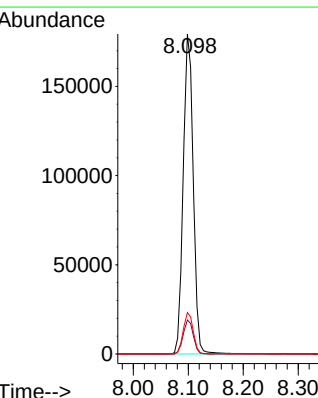
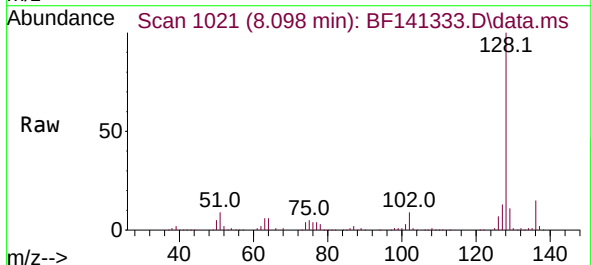
Tgt Ion:128 Resp: 227052

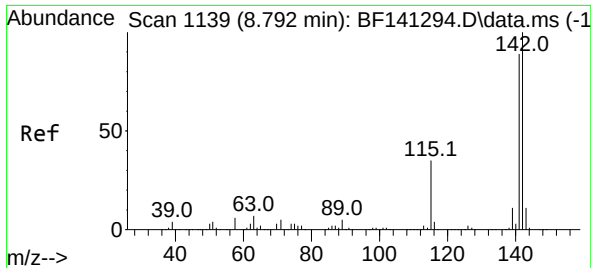
Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

127 13.0 10.6 15.8





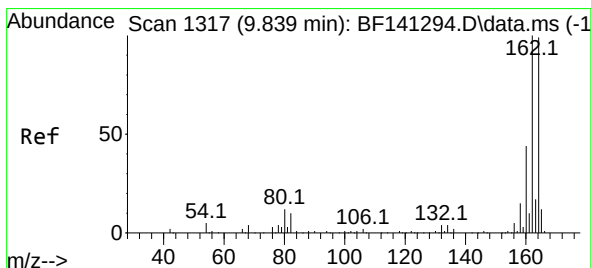
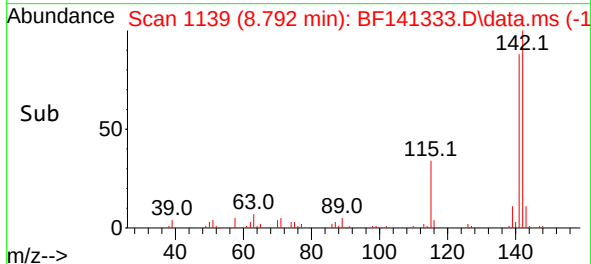
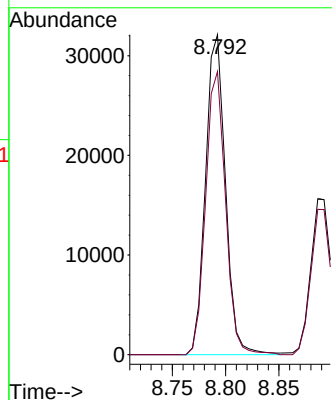
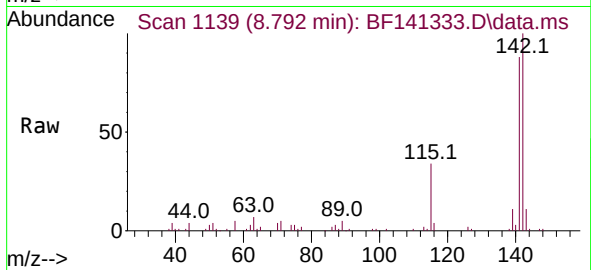
#37  
2-Methylnaphthalene  
Concen: 2.076 ng  
RT: 8.792 min Scan# 1139  
Delta R.T. -0.006 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-236

Tgt Ion:142 Resp: 4176  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.3 106.9

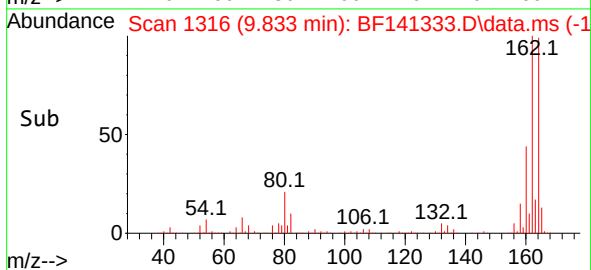
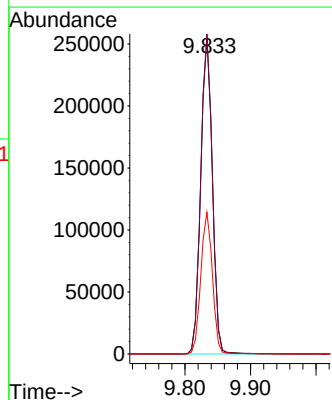
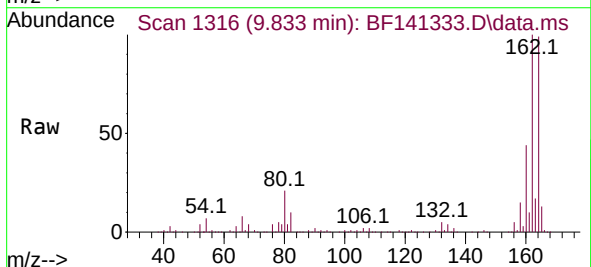
Manual Integrations  
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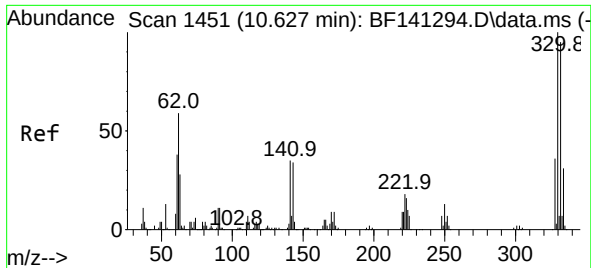
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.833 min Scan# 1316  
Delta R.T. -0.006 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

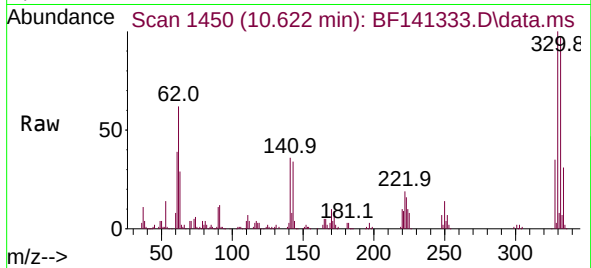
Tgt Ion:164 Resp: 315627  
Ion Ratio Lower Upper  
164 100  
162 101.1 80.6 121.0  
160 44.7 35.8 53.6





#42  
2,4,6-Tribromophenol  
Concen: 64.180 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.012 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

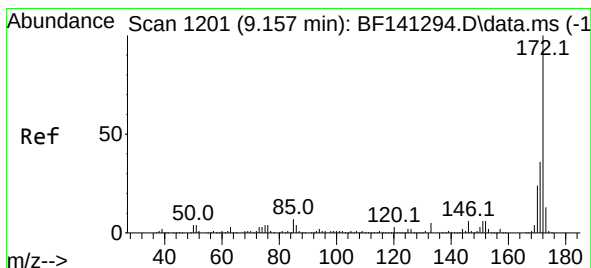
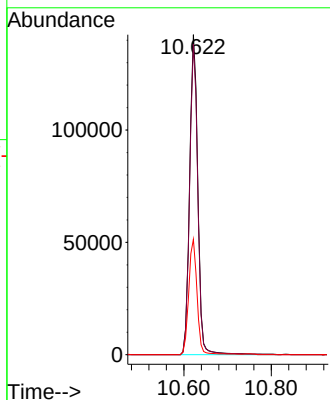
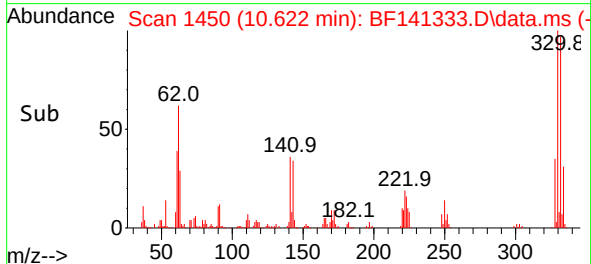
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-236



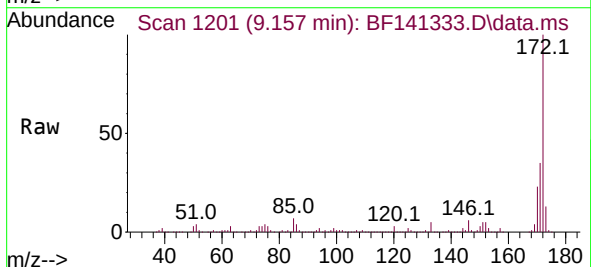
Tgt Ion:330 Resp: 185710  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.1 114.1  
141 36.6 28.8 43.2

Manual Integrations  
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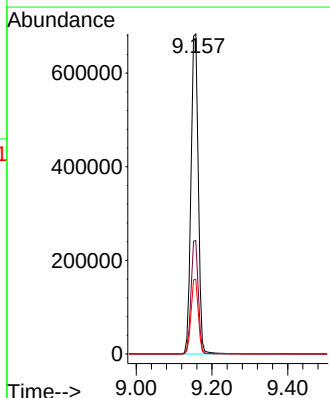
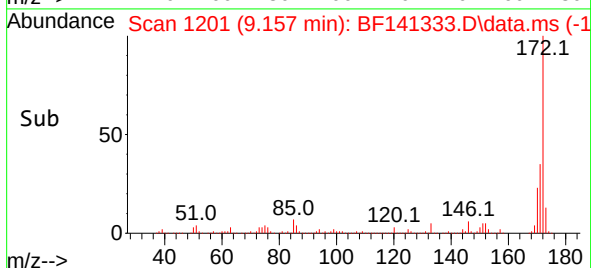
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025

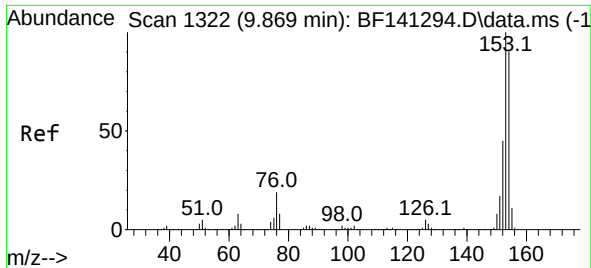


#45  
2-Fluorobiphenyl  
Concen: 44.472 ng  
RT: 9.157 min Scan# 1201  
Delta R.T. -0.006 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39



Tgt Ion:172 Resp: 911939  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.8 43.2  
170 23.3 19.0 28.6





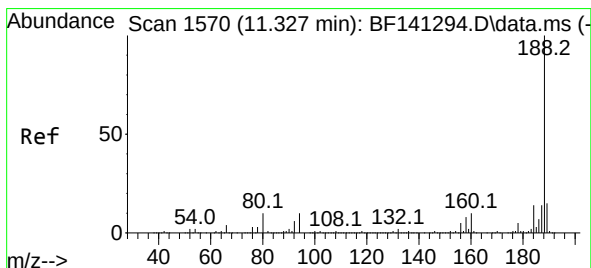
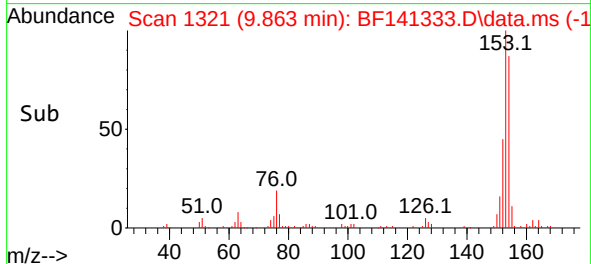
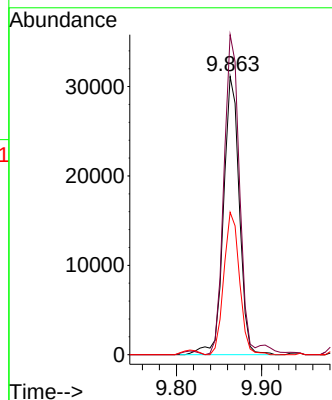
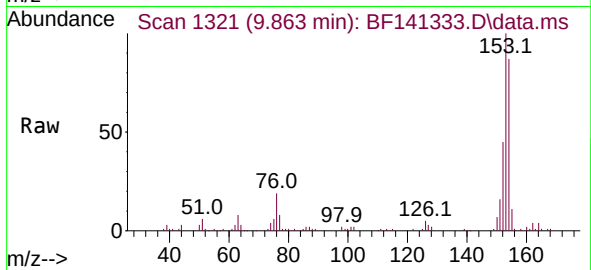
#52  
Acenaphthene  
Concen: 2.089 ng  
RT: 9.863 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

Instrument :  
BNA\_F  
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VNJ-236

Tgt Ion:154 Resp: 4008  
Ion Ratio Lower Upper  
154 100  
153 115.0 89.0 133.4  
152 51.2 40.2 60.4

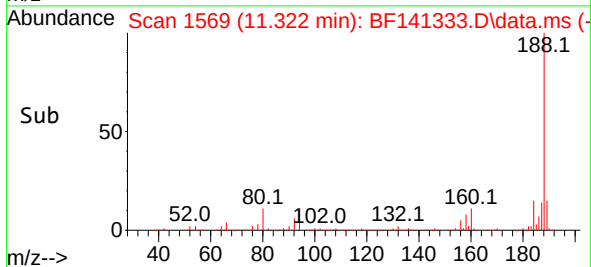
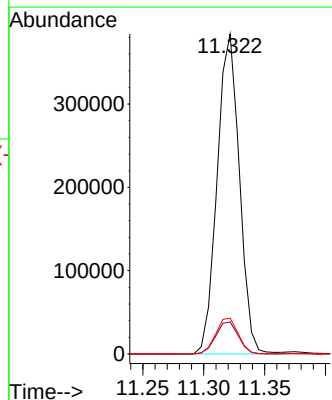
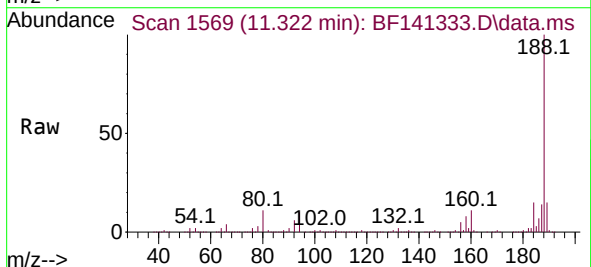
Manual Integrations  
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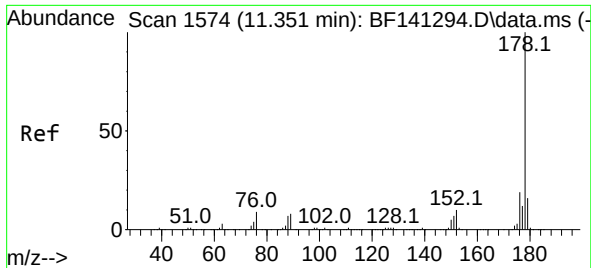


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 1569  
Delta R.T. -0.006 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

Tgt Ion:188 Resp: 489124  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.8 11.6  
80 11.2 8.2 12.4







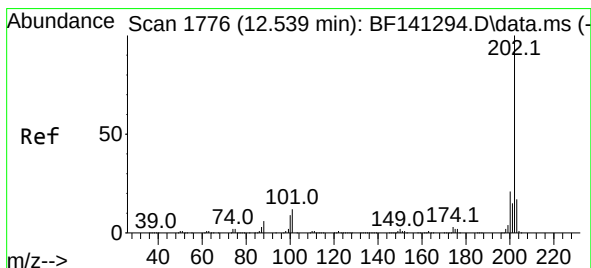
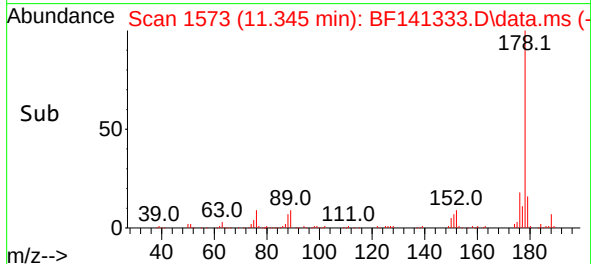
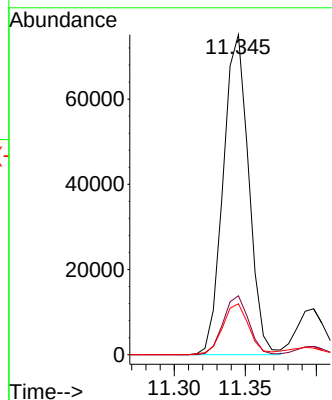
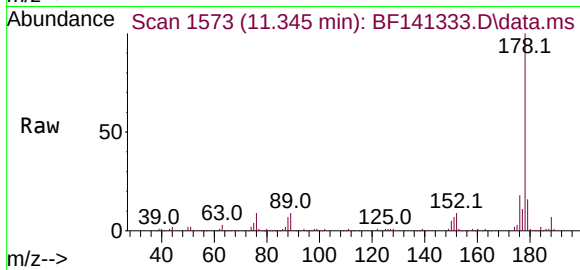
#71  
Phenanthrene  
Concen: 3.583 ng  
RT: 11.345 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-236

Tgt Ion:178 Resp: 94194  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.3 22.9  
179 15.9 12.5 18.7

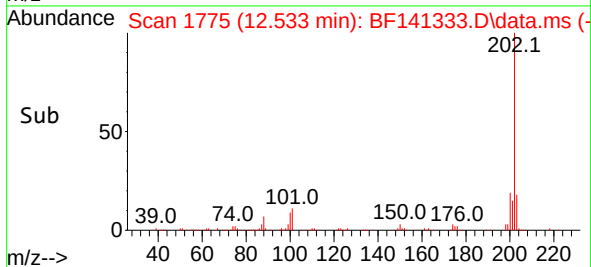
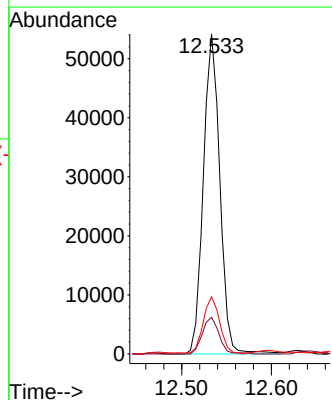
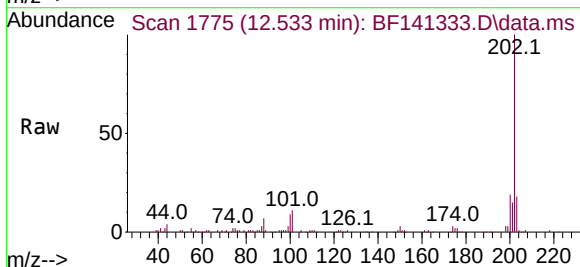
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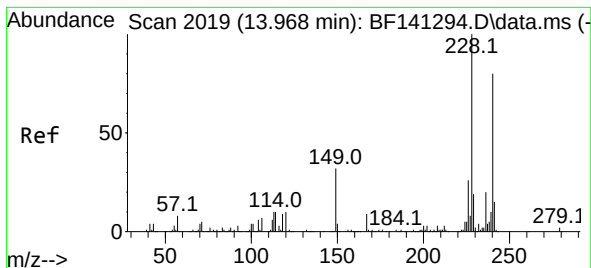
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#75  
Fluoranthene  
Concen: 2.665 ng  
RT: 12.533 min Scan# 1775  
Delta R.T. -0.006 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

Tgt Ion:202 Resp: 69197  
Ion Ratio Lower Upper  
202 100  
101 11.5 0.0 31.7  
203 17.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF141333.D

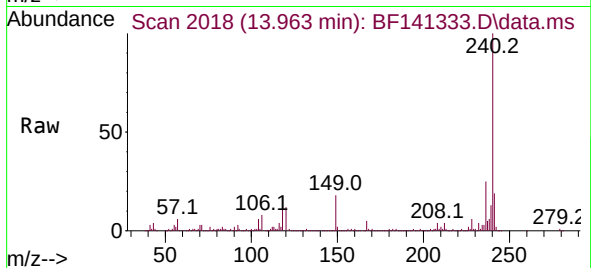
Acq: 31 Jan 2025 15:39

Instrument :

BNA\_F

ClientSampleId :

VNJ-236



Tgt Ion:240 Resp: 325072

Ion Ratio Lower Upper

240 100

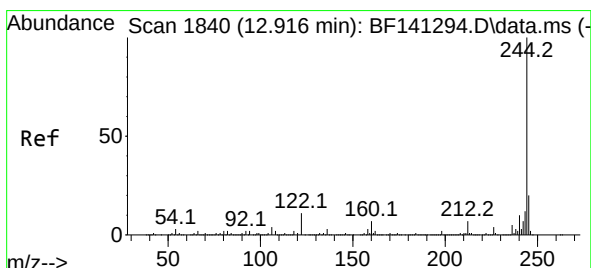
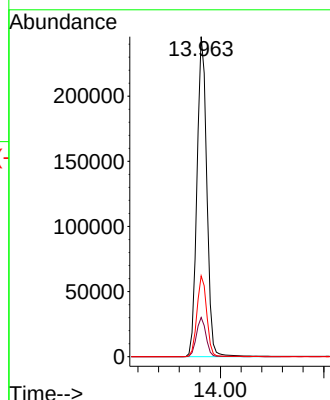
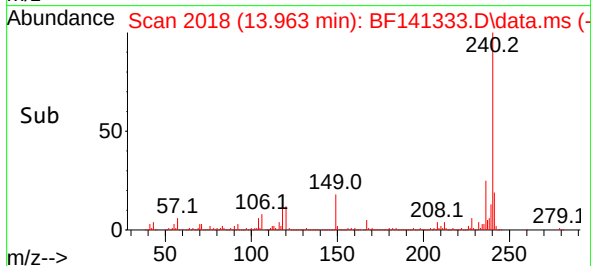
120 12.2 10.0 15.0

236 25.3 19.7 29.5

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Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#79

Terphenyl-d14

Concen: 38.369 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

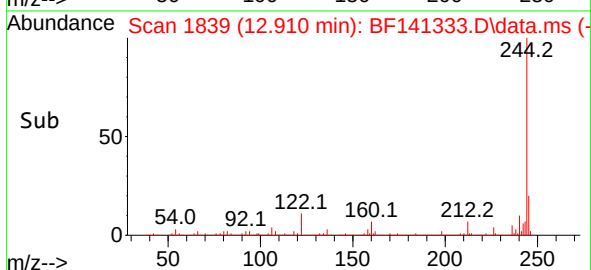
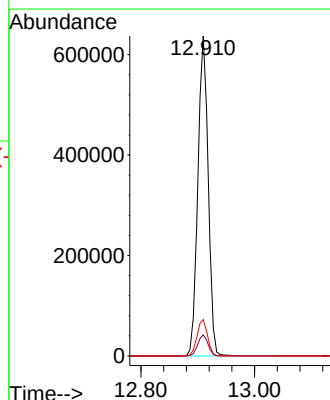
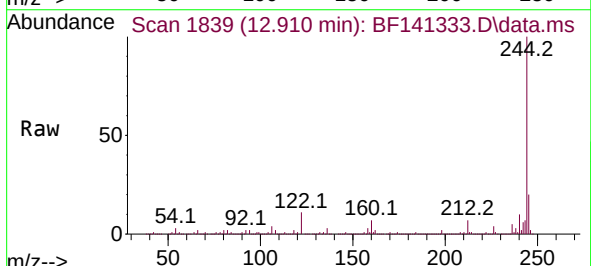
Tgt Ion:244 Resp: 808776

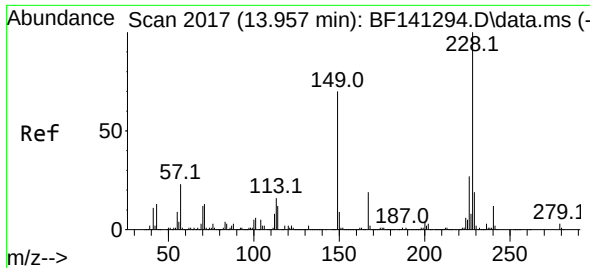
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

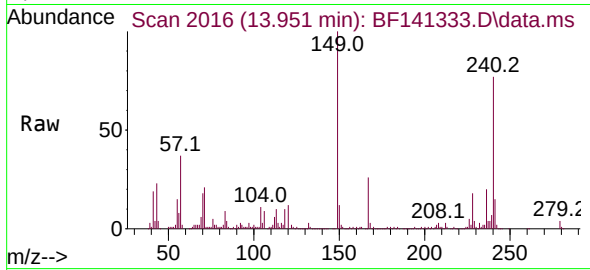
122 11.3 8.8 13.2





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 8.846 ng  
RT: 13.951 min Scan# 2016  
Delta R.T. -0.006 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

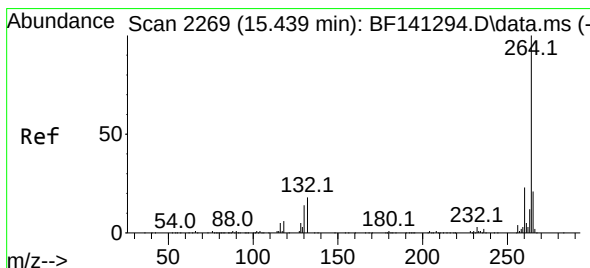
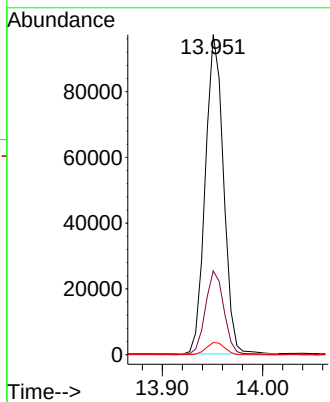
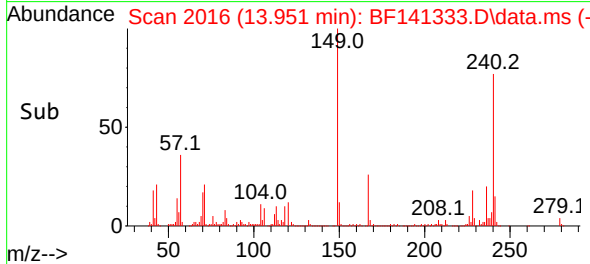
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-236



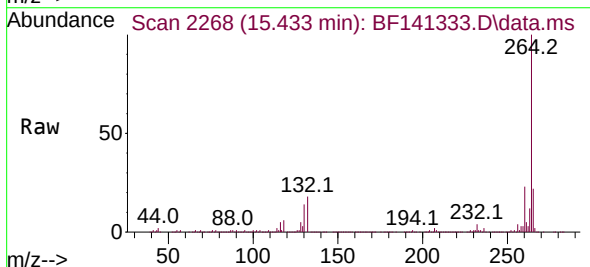
Tgt Ion:149 Resp: 122328  
Ion Ratio Lower Upper  
149 100  
167 26.2 21.8 32.8  
279 3.8 3.3 4.9

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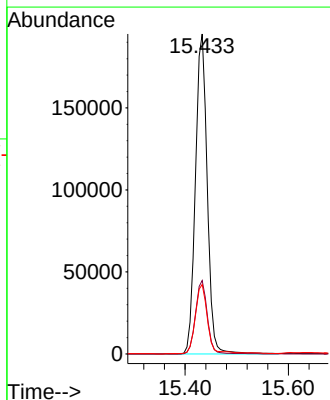
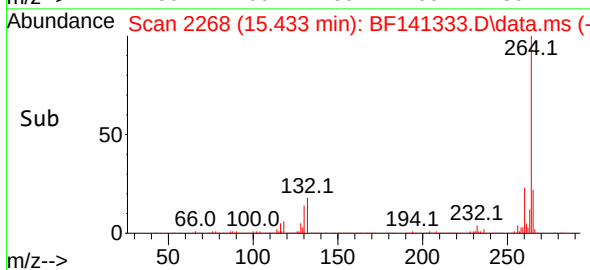
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025

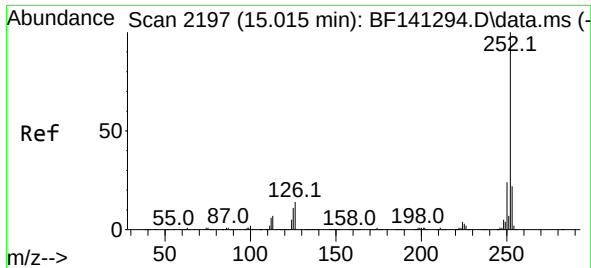


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.433 min Scan# 2268  
Delta R.T. -0.006 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39



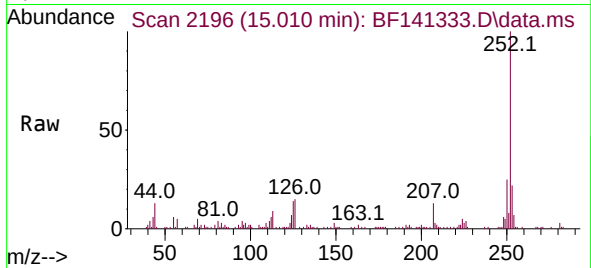
Tgt Ion:264 Resp: 309327  
Ion Ratio Lower Upper  
264 100  
260 23.0 18.6 27.8  
265 21.7 16.7 25.1





#88  
Benzo(b)fluoranthene  
Concen: 2.653 ng m  
RT: 15.010 min Scan# 2196  
Delta R.T. -0.012 min  
Lab File: BF141333.D  
Acq: 31 Jan 2025 15:39

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-236



Tgt Ion:252 Resp: 51625  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.4 26.2  
125 13.5 8.6 12.8

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025

