

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102224\  
 Data File : BF139948.D  
 Acq On : 23 Oct 2024 00:40  
 Operator : RC/JU  
 Sample : P4443-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OG-315-HR-502-COMP-29

Quant Time: Oct 23 01:15:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024  
 Supervised By :mohammad ahmed 10/24/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 113022   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 368389   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 177730   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 339935   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 284746   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 206032   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 559874   | 77.549 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 655574   | 70.111 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 412824   | 62.109 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 164280   | 98.819 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 723495   | 67.277 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 967794   | 55.383 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene              | 11.433 | 178  | 93895    | 5.848  | ng    | 99       |
| 75) Fluoranthene              | 12.621 | 202  | 318276   | 19.607 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 297694   | 11.944 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 177243   | 9.562  | ng    | 97       |
| 83) Chrysene                  | 14.074 | 228  | 184412   | 10.851 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 109914   | 13.110 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.021 | 276  | 81040    | 6.114  | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 203988m  | 16.253 | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 79593m   | 7.353  | ng    |          |
| 90) Benzo(a)pyrene            | 15.462 | 252  | 110483   | 10.698 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.468 | 276  | 85137    | 7.708  | ng    | 100      |
| -----                         |        |      |          |        |       |          |

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

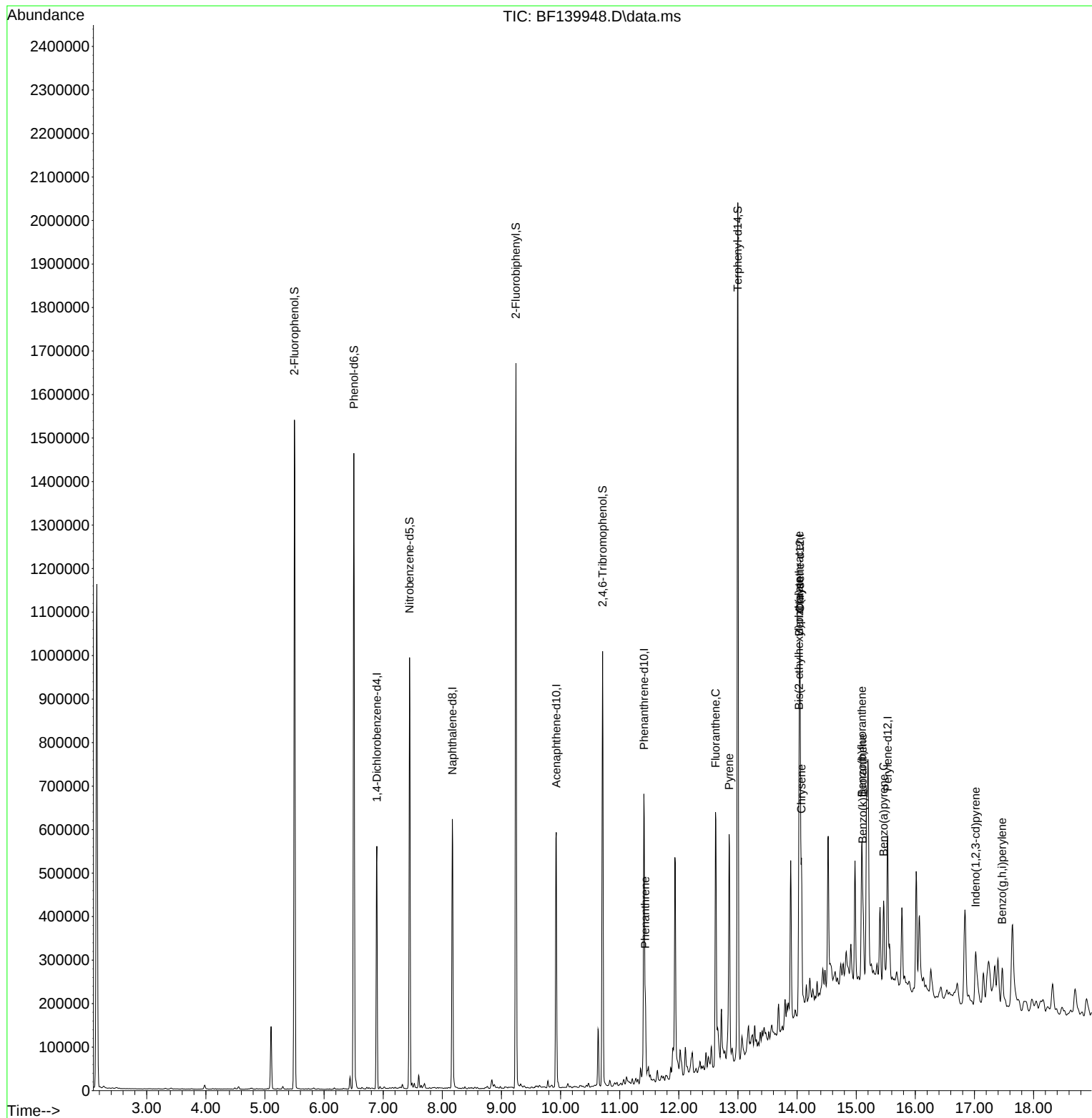
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102224\  
Data File : BF139948.D  
Acq On : 23 Oct 2024 00:40  
Operator : RC/JU  
Sample : P4443-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

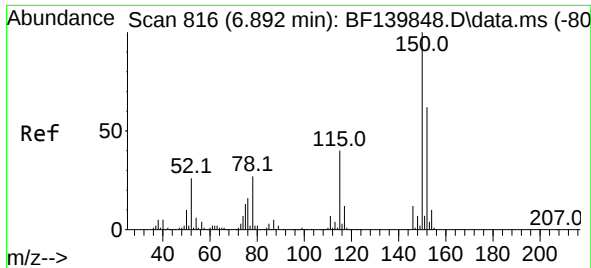
Instrument :  
BNA\_F  
ClientSampleId :  
OG-315-HR-502-COMP-29

Quant Time: Oct 23 01:15:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

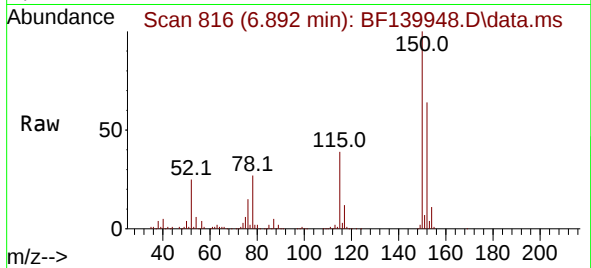
Reviewed By :Jagrut Upadhyay 10/23/2024  
Supervised By :mohammad ahmed 10/24/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

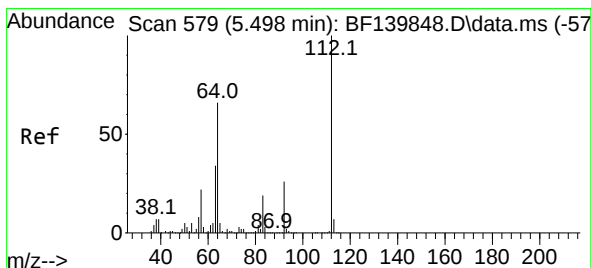
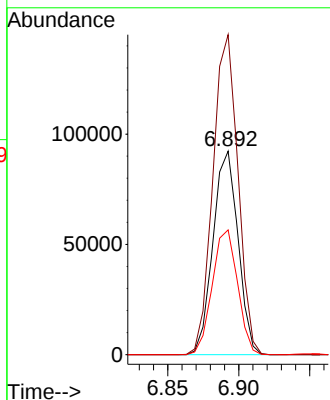
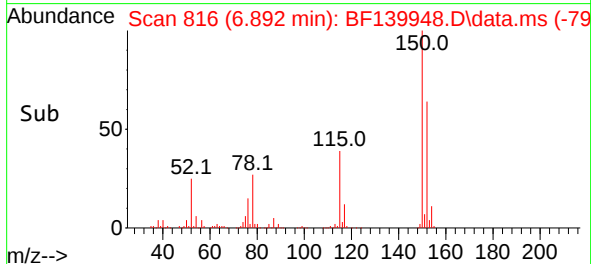
Instrument :  
BNA\_F  
ClientSampleId :  
OG-315-HR-502-COMP-29



Tgt Ion:152 Resp: 11302  
Ion Ratio Lower Upper  
152 100  
150 157.2 130.2 195.2  
115 61.3 51.4 77.2

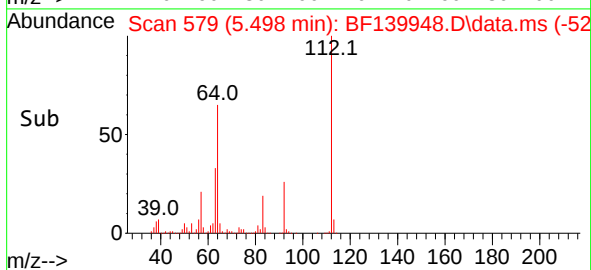
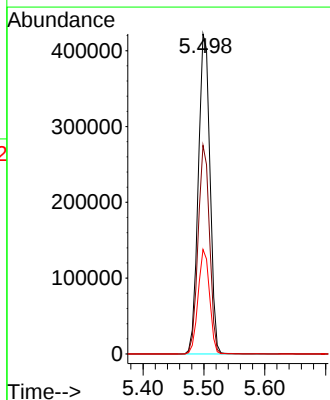
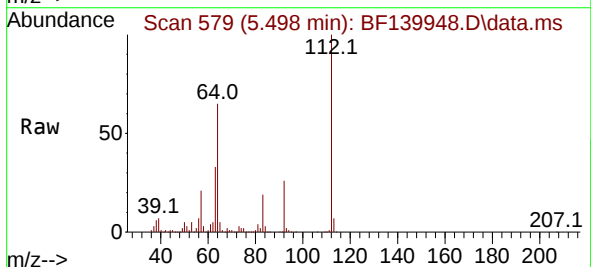
Manual Integrations  
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#5  
2-Fluorophenol  
Concen: 77.549 ng  
RT: 5.498 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

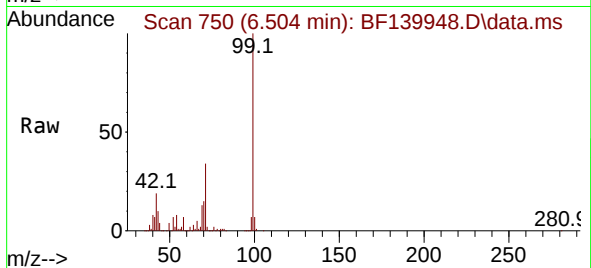
Tgt Ion:112 Resp: 559874  
Ion Ratio Lower Upper  
112 100  
64 65.2 53.0 79.6  
63 32.7 27.0 40.4





#7  
Phenol-d6  
Concen: 70.111 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

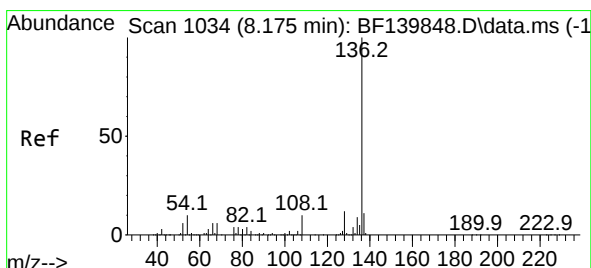
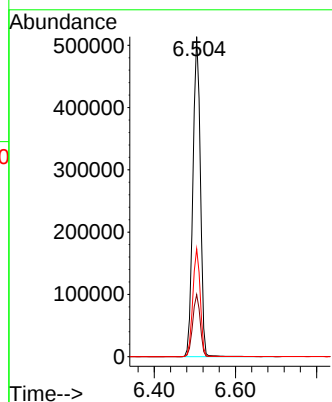
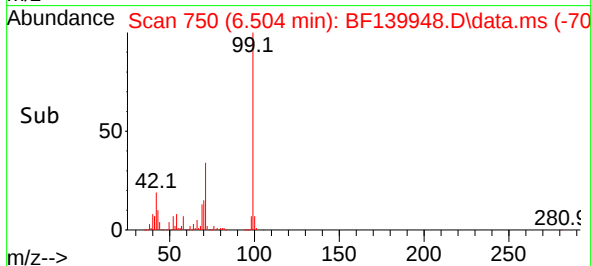
Instrument :  
BNA\_F  
ClientSampleId :  
OG-315-HR-502-COMP-29



Tgt Ion: 99 Resp: 655574  
Ion Ratio Lower Upper  
99 100  
42 19.4 16.7 25.1  
71 33.7 27.7 41.5

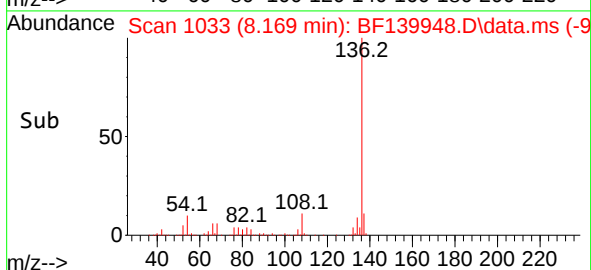
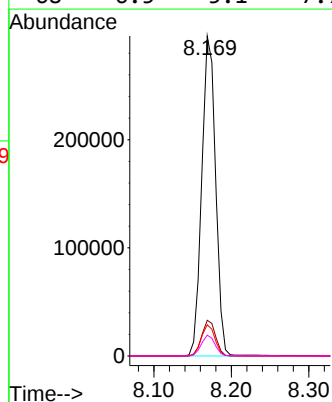
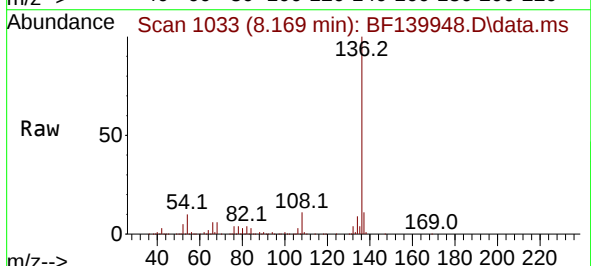
Manual Integrations  
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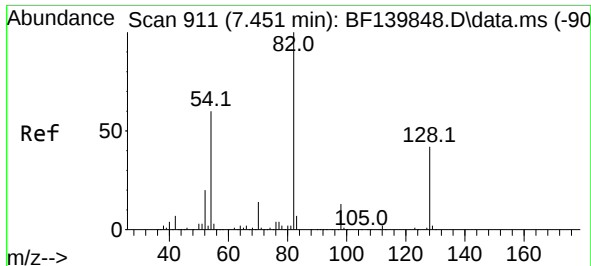
Reviewed By :Jagrut Upadhyay 10/23/2024  
Supervised By :mohammad ahmed 10/24/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

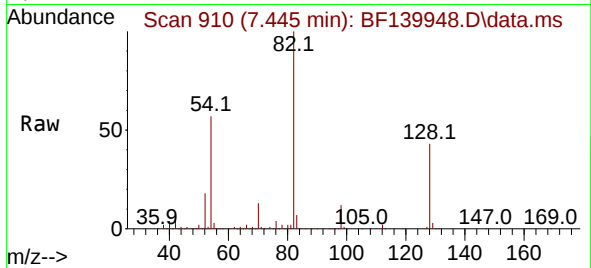
Tgt Ion:136 Resp: 368389  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 12.8  
54 9.8 8.4 12.6  
68 6.5 5.1 7.7





#23  
Nitrobenzene-d5  
Concen: 62.109 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

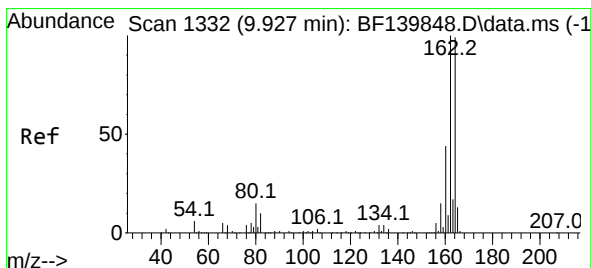
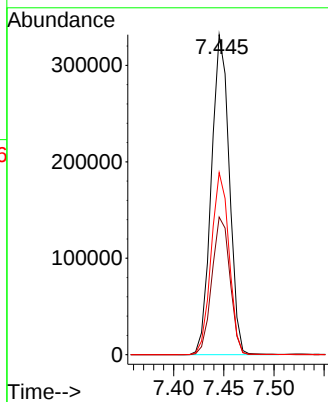
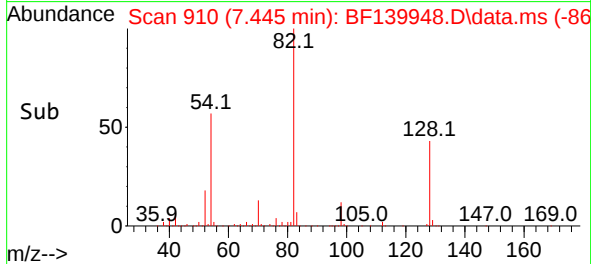
Instrument :  
BNA\_F  
ClientSampleId :  
OG-315-HR-502-COMP-29



Tgt Ion: 82 Resp: 412824  
Ion Ratio Lower Upper  
82 100  
128 43.0 33.4 50.0  
54 56.9 47.8 71.8

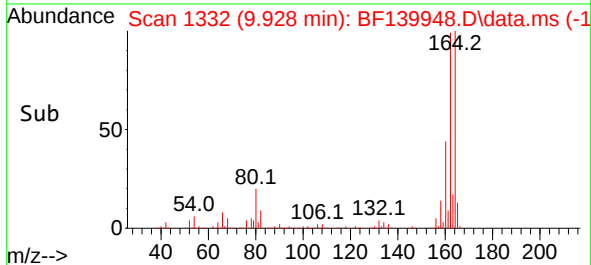
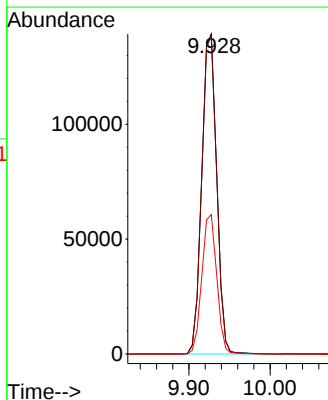
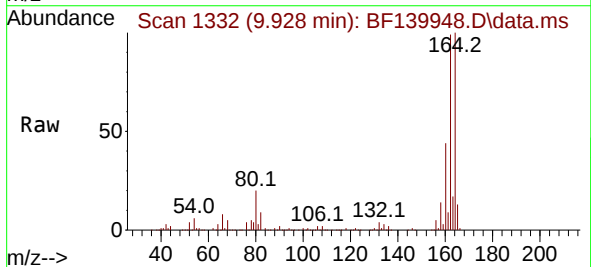
Manual Integrations  
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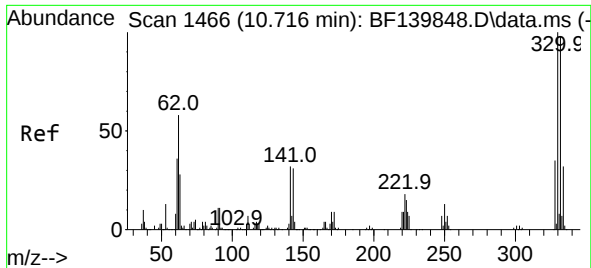
Reviewed By :Jagrut Upadhyay 10/23/2024  
Supervised By :mohammad ahmed 10/24/2024



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1332  
Delta R.T. 0.001 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

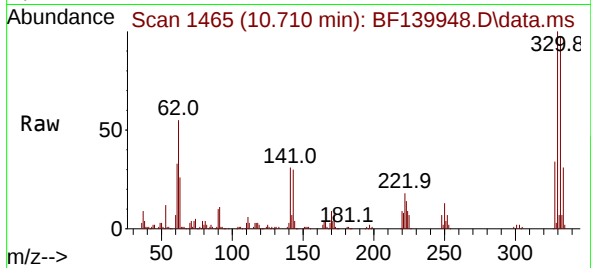
Tgt Ion:164 Resp: 177730  
Ion Ratio Lower Upper  
164 100  
162 99.1 81.0 121.4  
160 43.5 35.4 53.0





#42  
2,4,6-Tribromophenol  
Concen: 98.819 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

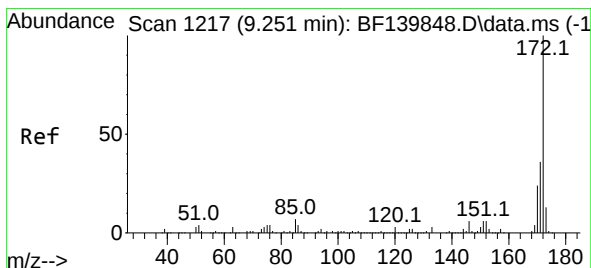
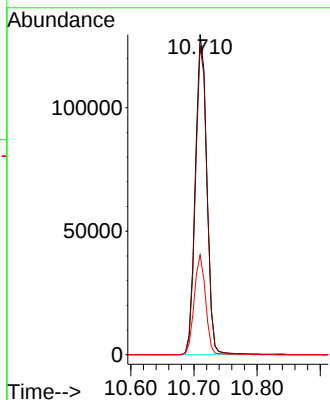
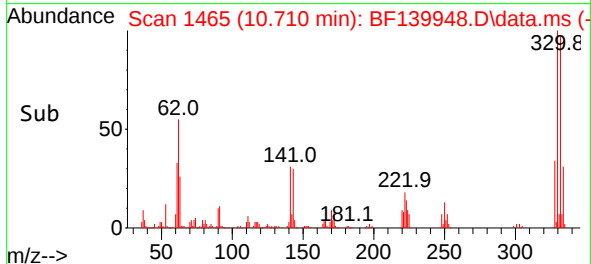
Instrument :  
BNA\_F  
ClientSampleId :  
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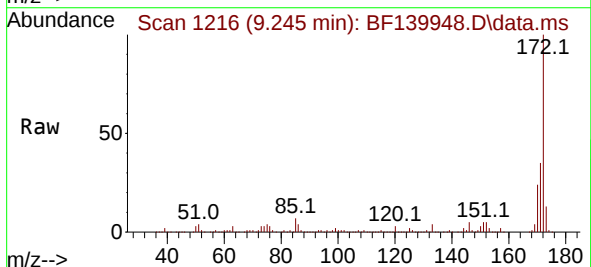
Tgt Ion: 330 Resp: 164280  
Ion Ratio Lower Upper  
330 100  
332 96.7 78.1 117.1  
141 30.9 26.6 39.8

Manual Integrations  
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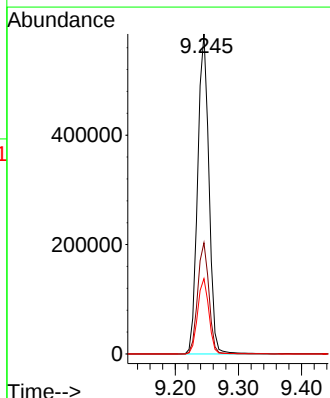
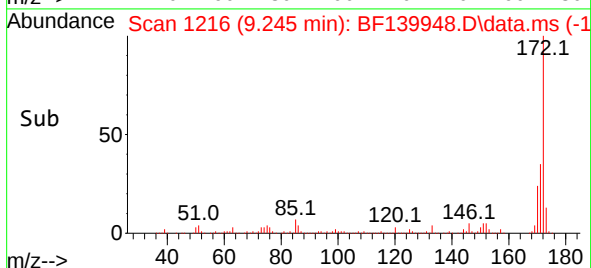
Reviewed By : Jagrut Upadhyay 10/23/2024  
Supervised By : mohammad ahmed 10/24/2024

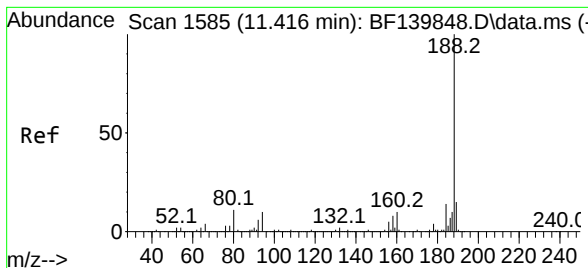


#45  
2-Fluorobiphenyl  
Concen: 67.277 ng  
RT: 9.245 min Scan# 1216  
Delta R.T. -0.006 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40



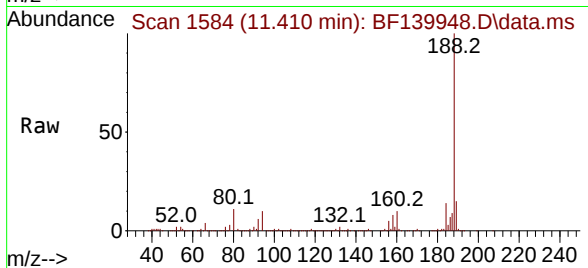
Tgt Ion: 172 Resp: 723495  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.6 43.0  
170 23.6 19.1 28.7





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

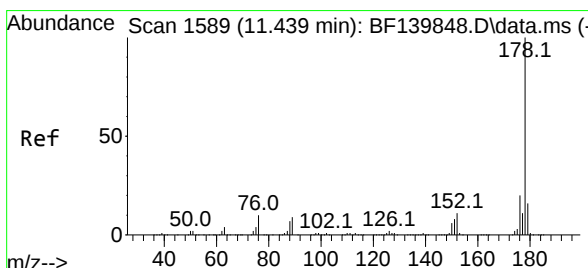
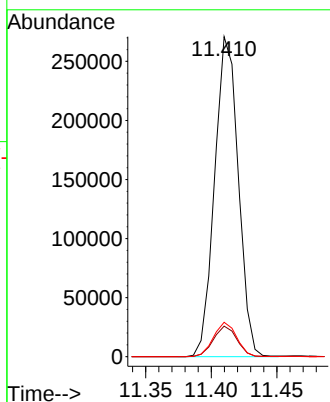
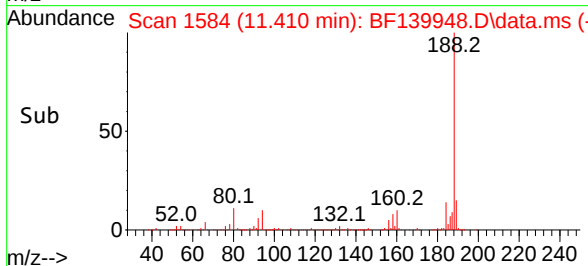
Instrument :  
BNA\_F  
ClientSampleId :  
OG-315-HR-502-COMP-29



Tgt Ion:188 Resp: 339935  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.9 11.9  
80 10.7 9.0 13.4

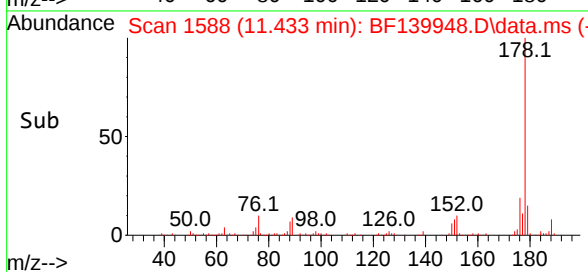
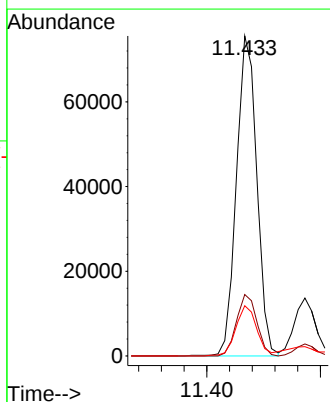
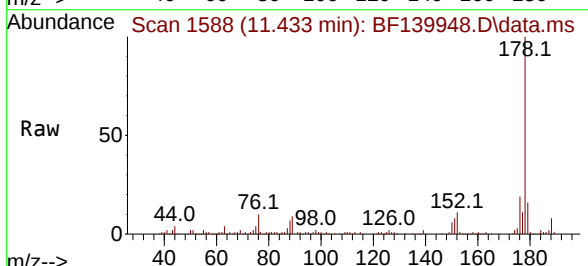
Manual Integrations  
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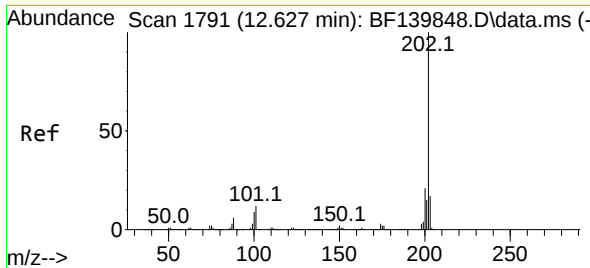
Reviewed By :Jagrut Upadhyay 10/23/2024  
Supervised By :mohammad ahmed 10/24/2024



#71  
Phenanthrene  
Concen: 5.848 ng  
RT: 11.433 min Scan# 1588  
Delta R.T. -0.006 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

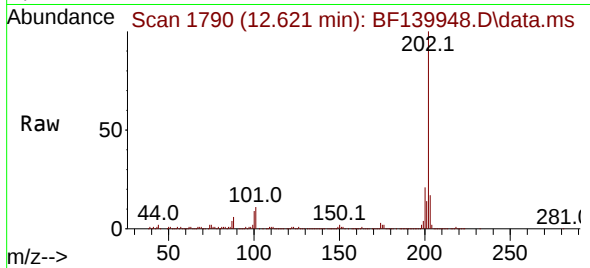
Tgt Ion:178 Resp: 93895  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.8 23.6  
179 15.7 12.6 18.8





#75  
Fluoranthene  
Concen: 19.607 ng  
RT: 12.621 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

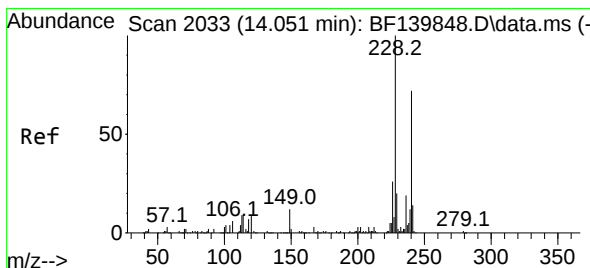
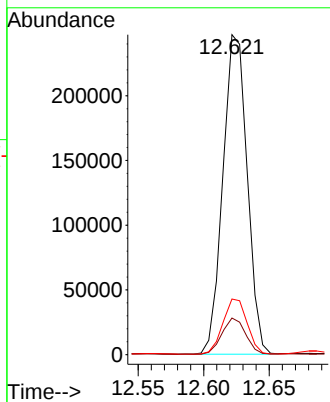
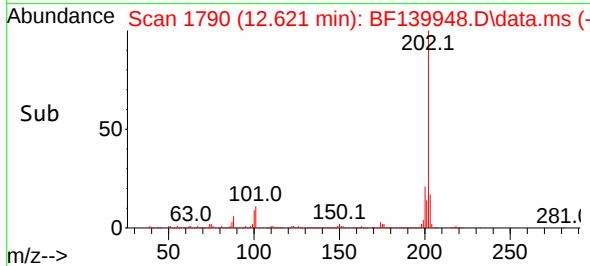
Instrument :  
BNA\_F  
ClientSampleId :  
OG-315-HR-502-COMP-29



Tgt Ion:202 Resp: 318270  
Ion Ratio Lower Upper  
202 100  
101 11.5 0.0 31.9  
203 17.4 0.0 37.5

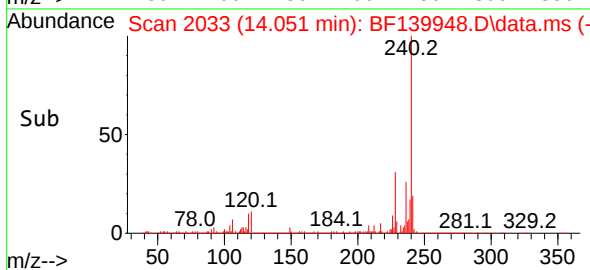
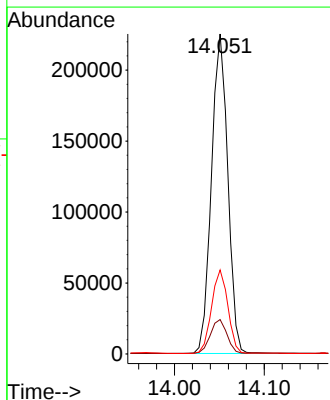
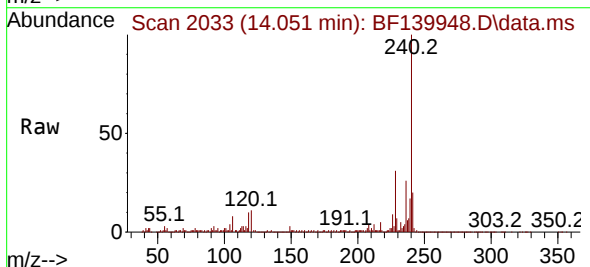
Manual Integrations  
APPROVED

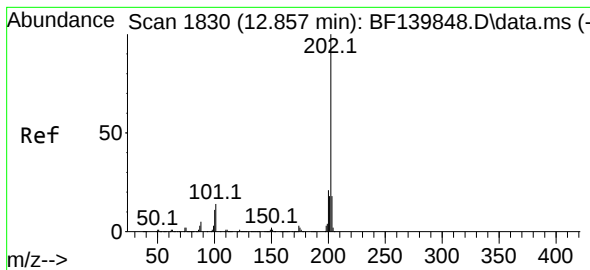
Reviewed By :Jagrut Upadhyay 10/23/2024  
Supervised By :mohammad ahmed 10/24/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

Tgt Ion:240 Resp: 284746  
Ion Ratio Lower Upper  
240 100  
120 10.8 9.4 14.2  
236 26.3 20.9 31.3





#78

Pyrene

Concen: 11.944 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

Instrument :

BNA\_F

ClientSampleId :

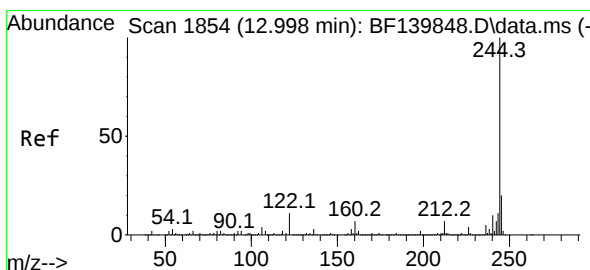
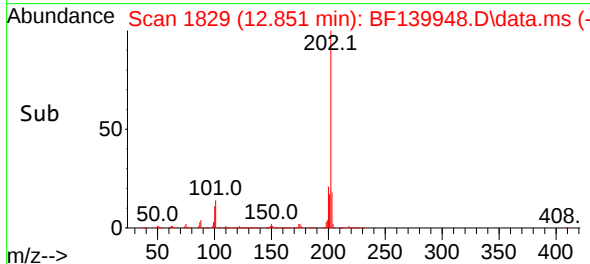
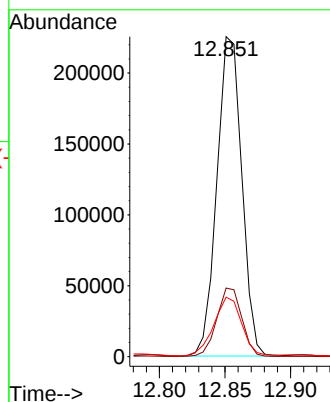
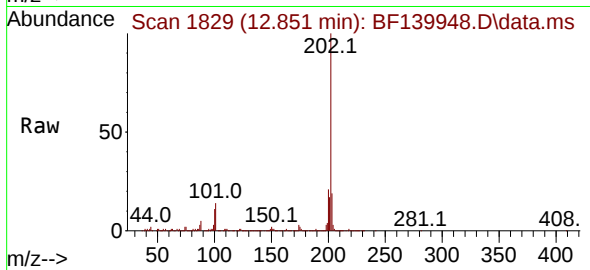
OG-315-HR-502-COMP-29

Tgt Ion:202 Resp: 297694  
 Ion Ratio Lower Upper  
 202 100  
 200 21.5 17.2 25.8  
 203 18.6 14.2 21.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/23/2024  
 Supervised By :mohammad ahmed 10/24/2024



#79

Terphenyl-d14

Concen: 55.383 ng

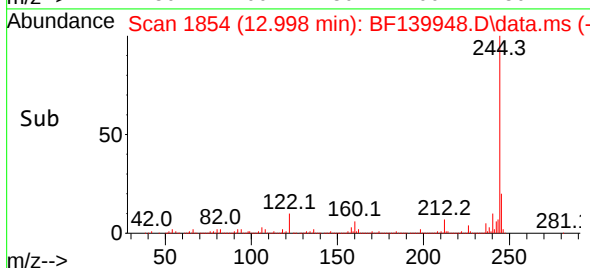
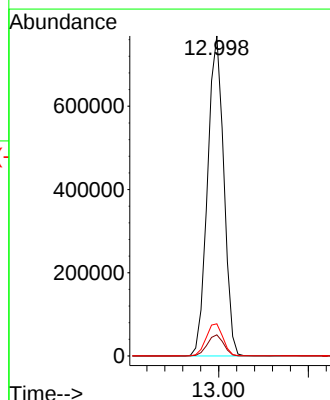
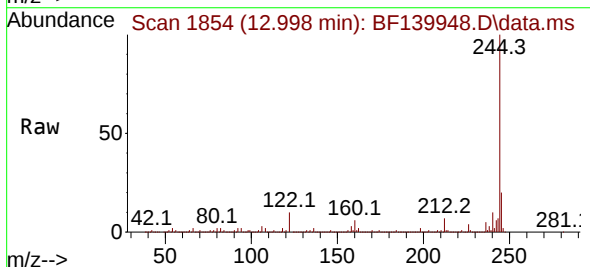
RT: 12.998 min Scan# 1854

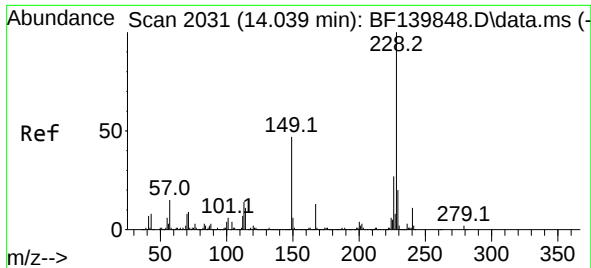
Delta R.T. 0.000 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

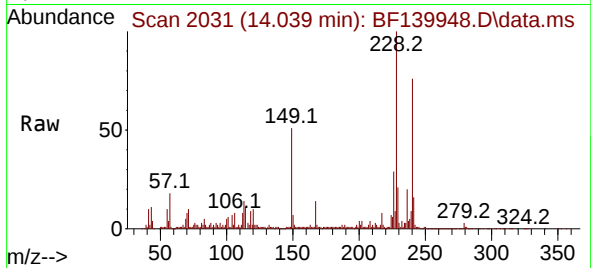
Tgt Ion:244 Resp: 967794  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.7 8.5  
 122 10.1 8.6 13.0





#81  
Benzo(a)anthracene  
Concen: 9.562 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

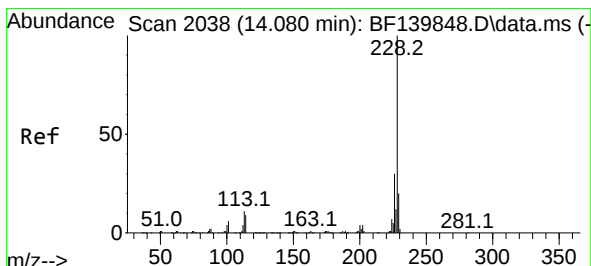
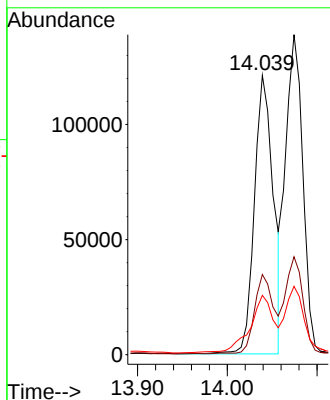
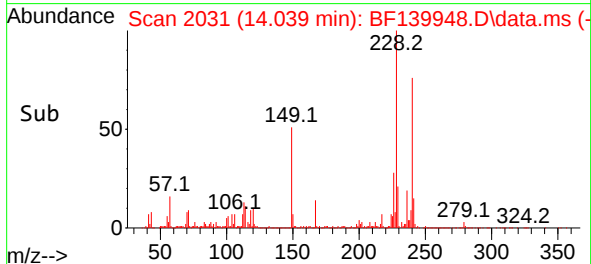
Instrument :  
BNA\_F  
ClientSampleId :  
OG-315-HR-502-COMP-29



Tgt Ion:228 Resp: 17724  
Ion Ratio Lower Upper  
228 100  
226 28.7 21.6 32.4  
229 21.3 16.1 24.1

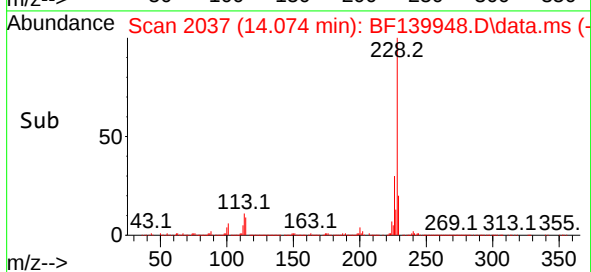
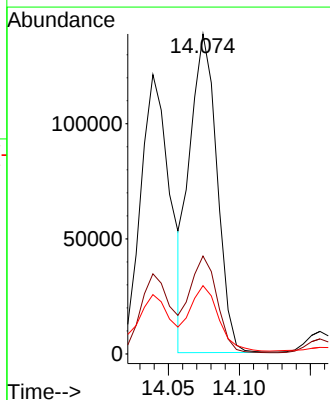
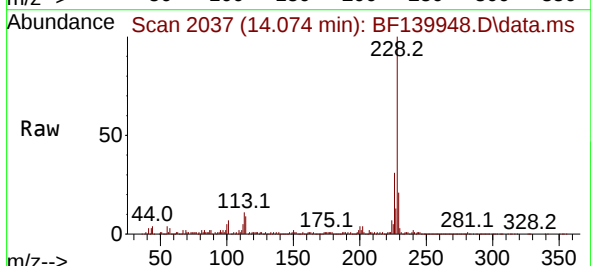
Manual Integrations  
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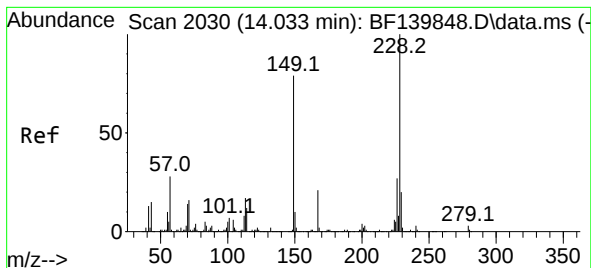
Reviewed By :Jagrut Upadhyay 10/23/2024  
Supervised By :mohammad ahmed 10/24/2024



#83  
Chrysene  
Concen: 10.851 ng  
RT: 14.074 min Scan# 2037  
Delta R.T. -0.006 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

Tgt Ion:228 Resp: 184412  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.1 36.1  
229 21.4 15.8 23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 13.110 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

Instrument :

BNA\_F

ClientSampleId :

OG-315-HR-502-COMP-29

Tgt Ion:149 Resp: 109914

Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

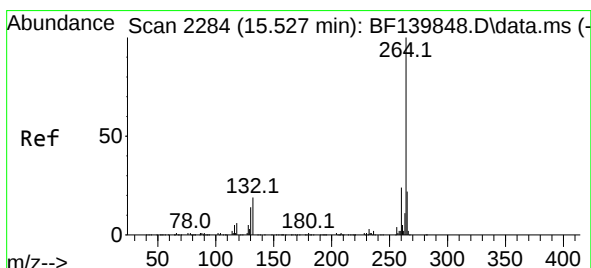
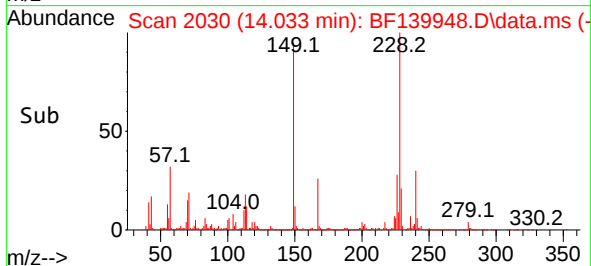
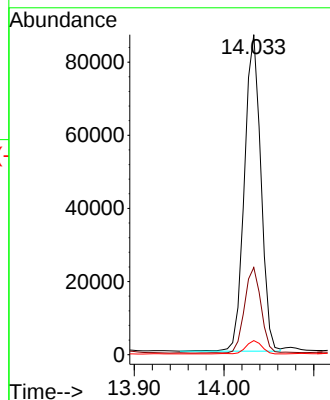
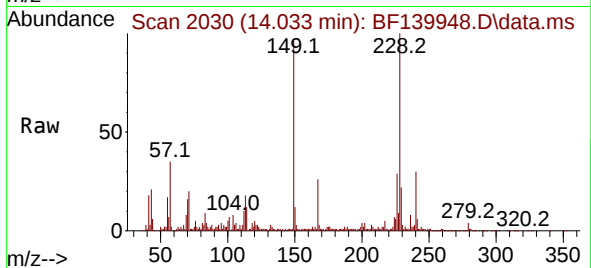
279 4.4 3.0 4.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024

Supervised By :mohammad ahmed 10/24/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

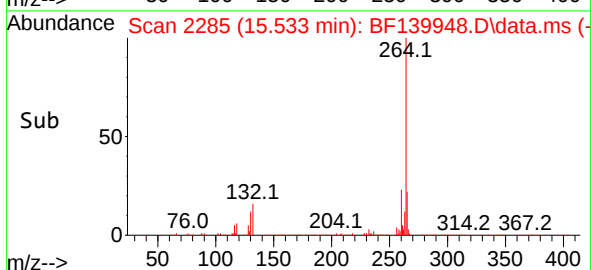
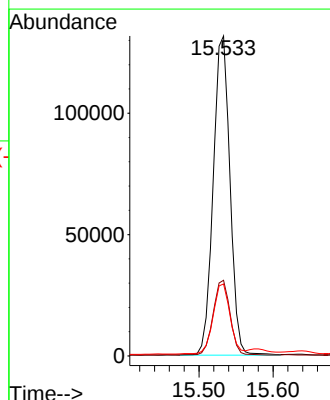
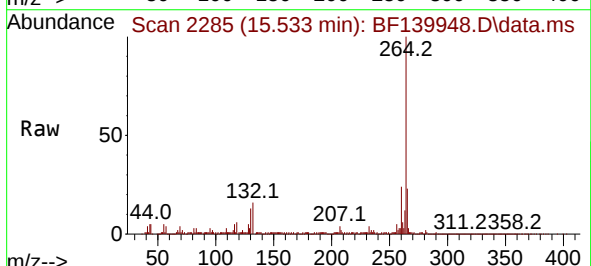
Tgt Ion:264 Resp: 206032

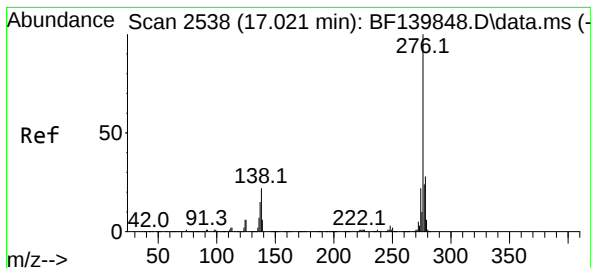
Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.114 ng

RT: 17.021 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

Instrument :

BNA\_F

ClientSampleId :

OG-315-HR-502-COMP-29

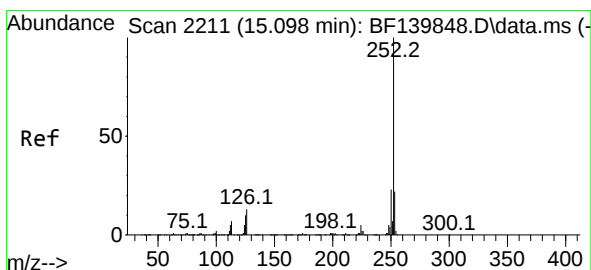
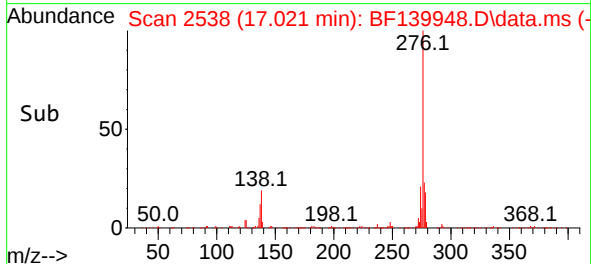
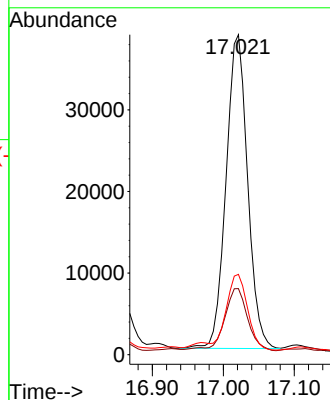
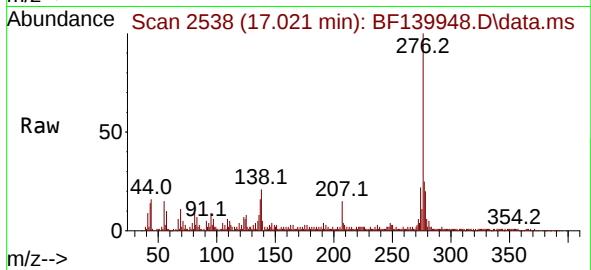
Tgt Ion:276 Resp: 81040

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 21.5  | 20.4  | 30.6  |
| 277 | 23.9  | 20.2  | 30.4  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024  
Supervised By :mohammad ahmed 10/24/2024



#88

Benzo(b)fluoranthene

Concen: 16.253 ng m

RT: 15.098 min Scan# 2211

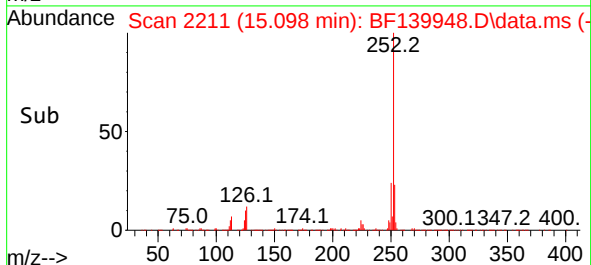
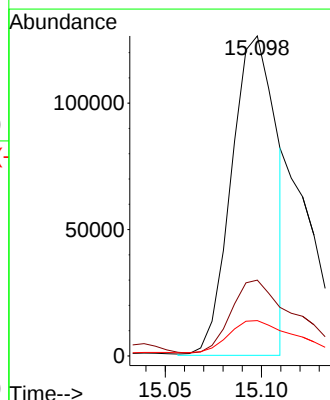
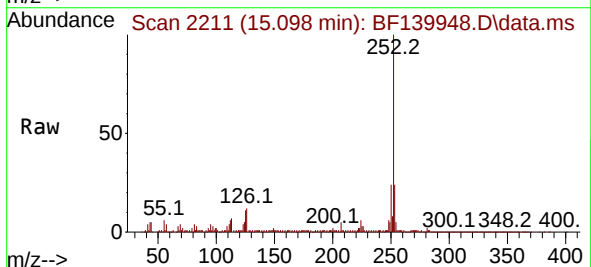
Delta R.T. 0.000 min

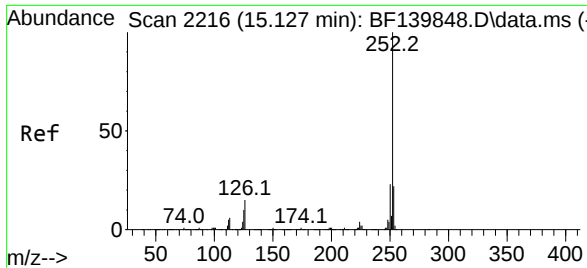
Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

Tgt Ion:252 Resp: 203988

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.7  | 17.6  | 26.4  |
| 125 | 11.1  | 7.9   | 11.9  |





#89

Benzo(k)fluoranthene

Concen: 7.353 ng m

RT: 15.110 min Scan# 2216

Delta R.T. -0.018 min

Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

Instrument :

BNA\_F

ClientSampleId :

OG-315-HR-502-COMP-29

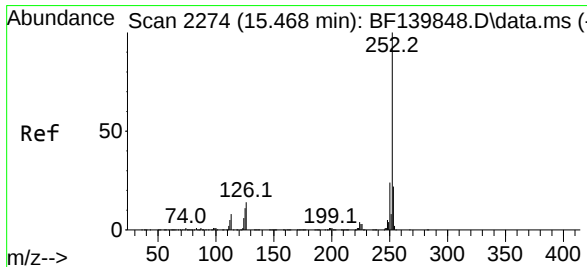
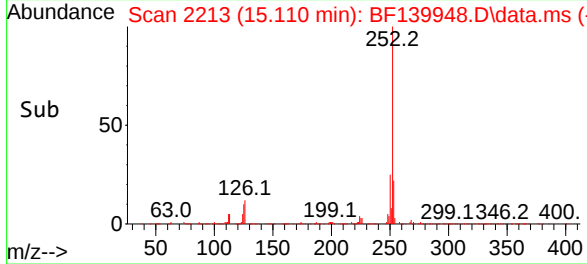
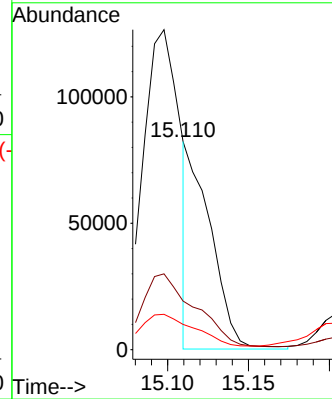
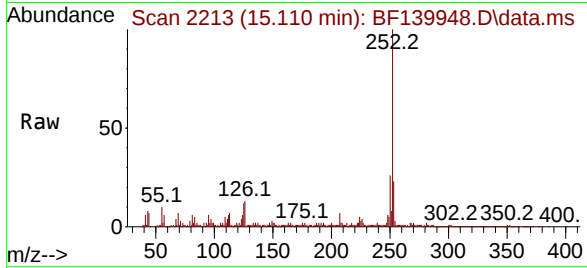
Tgt Ion:252 Resp: 7959

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.4  | 17.6  | 26.4  |
| 125 | 12.1  | 7.9   | 11.9  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024  
Supervised By :mohammad ahmed 10/24/2024



#90

Benzo(a)pyrene

Concen: 10.698 ng

RT: 15.462 min Scan# 2273

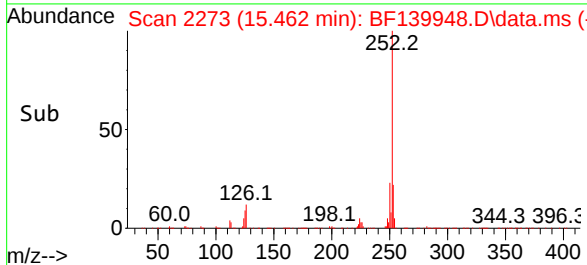
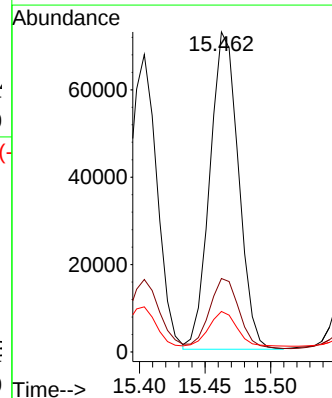
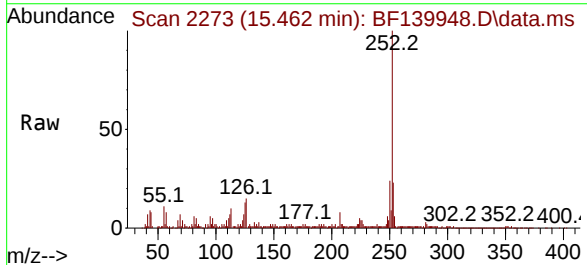
Delta R.T. -0.006 min

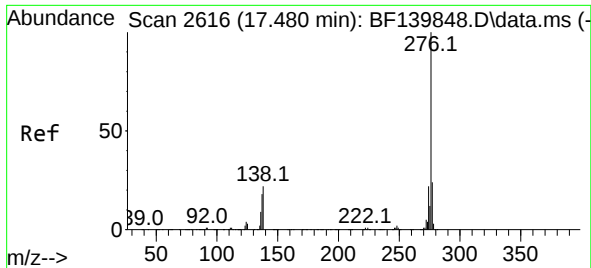
Lab File: BF139948.D

Acq: 23 Oct 2024 00:40

Tgt Ion:252 Resp: 110483

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.0  | 17.3  | 25.9  |
| 125 | 12.7  | 8.7   | 13.1  |





#92  
Benzo(g,h,i)perylene  
Concen: 7.708 ng  
RT: 17.468 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF139948.D  
Acq: 23 Oct 2024 00:40

Instrument :  
BNA\_F  
ClientSampleId :  
OG-315-HR-502-COMP-29

Tgt Ion:276 Resp: 8513  
Ion Ratio Lower Upper  
276 100  
277 23.9 19.0 28.6  
138 21.6 17.4 26.0

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024  
Supervised By :mohammad ahmed 10/24/2024

