

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020724\  
 Data File : BF137321.D  
 Acq On : 07 Feb 2024 15:41  
 Operator : CG\JU  
 Sample : P1367-13  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EB-5-6-8

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/08/2024  
 Supervised By :mohammad ahmed 02/09/2024

Quant Time: Feb 07 16:00:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 04:56:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 49262    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 188657   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.822  | 164  | 98074    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.310 | 188  | 154209   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 124012   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 112934   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 288949   | 96.786 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.422  | 99   | 393963   | 92.469 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 248837   | 59.053 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 86968    | 78.519 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 417920   | 58.578 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 381844   | 41.859 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene              | 11.333 | 178  | 23746    | 2.941  | ng    | 99       |
| 75) Fluoranthene              | 12.527 | 202  | 42749    | 5.060  | ng    | 97       |
| 78) Pyrene                    | 12.757 | 202  | 36809    | 3.089  | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 22370    | 2.547  | ng    | 94       |
| 83) Chrysene                  | 13.992 | 228  | 19875m   | 2.302  | ng    |          |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 38127    | 10.750 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 21926m   | 3.157  | ng    |          |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 14241    | 2.179  | ng    | # 95     |
| -----                         |        |      |          |        |       |          |

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

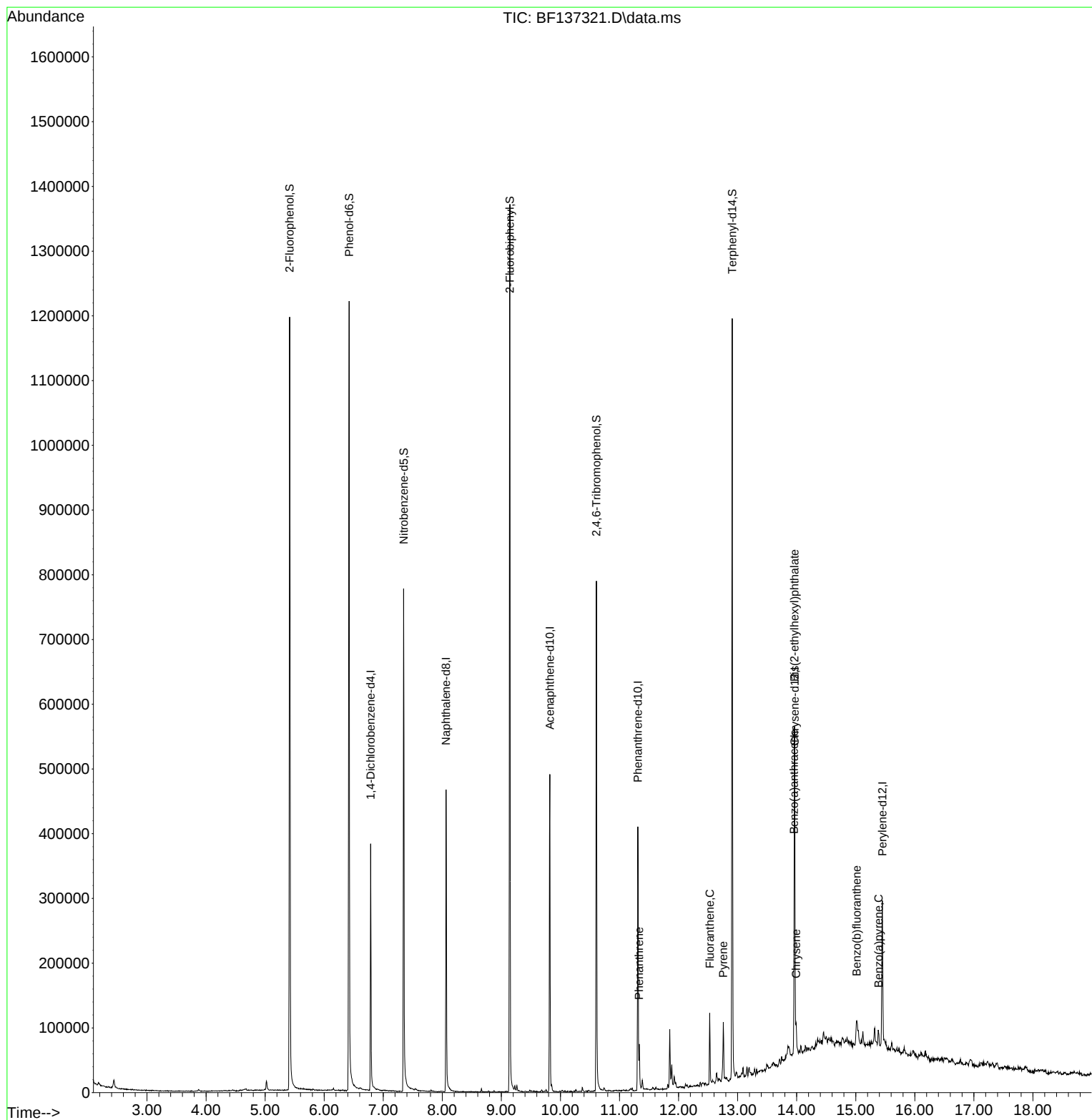
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020724\  
Data File : BF137321.D  
Acq On : 07 Feb 2024 15:41  
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Sample : P1367-13  
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ALS Vial : 11 Sample Multiplier: 1

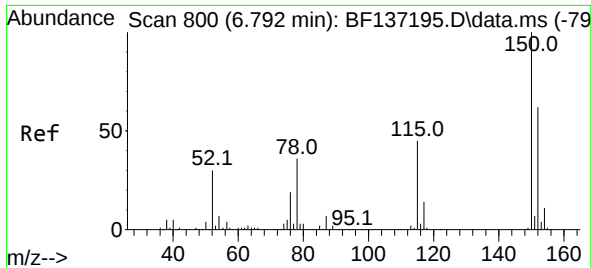
Instrument :  
BNA\_F  
ClientSampleId :  
EB-5-6-8

Quant Time: Feb 07 16:00:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 31 04:56:22 2024  
Response via : Initial Calibration

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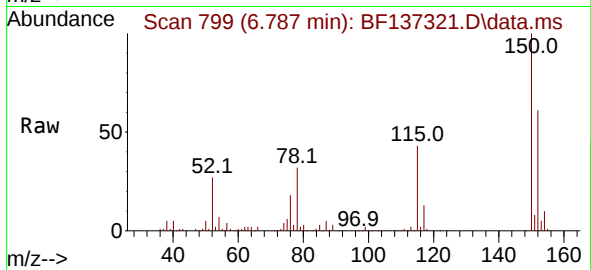
Reviewed By :Jagrut Upadhyay 02/08/2024  
Supervised By :mohammad ahmed 02/09/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.787 min Scan# 799  
Delta R.T. -0.005 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

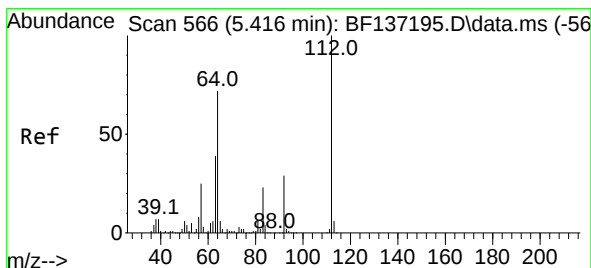
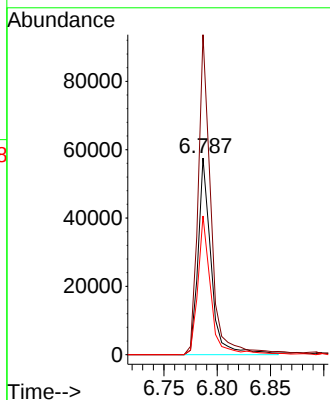
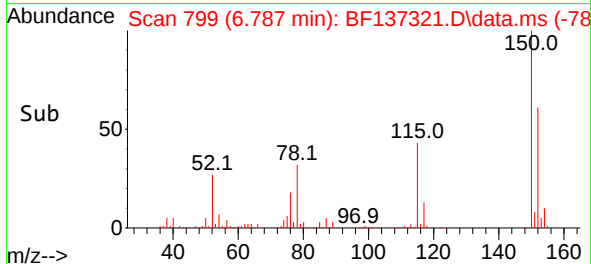
Instrument :  
BNA\_F  
ClientSampleId :  
EB-5-6-8



Tgt Ion:152 Resp: 4926  
Ion Ratio Lower Upper  
152 100  
150 162.7 129.8 194.8  
115 70.5 58.5 87.7

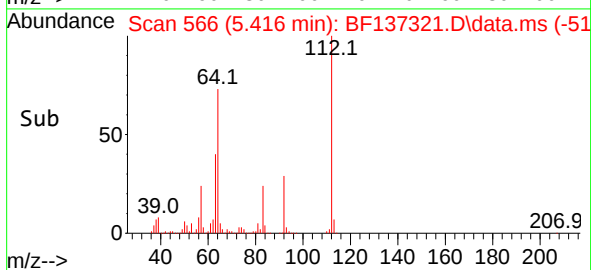
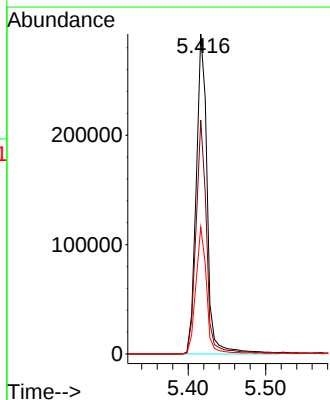
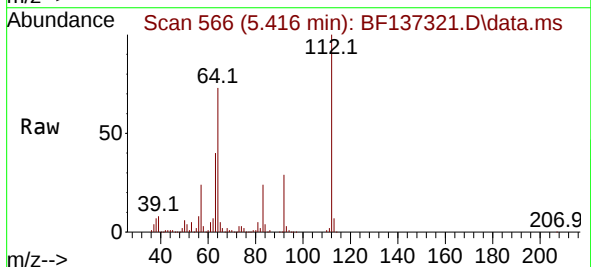
Manual Integrations  
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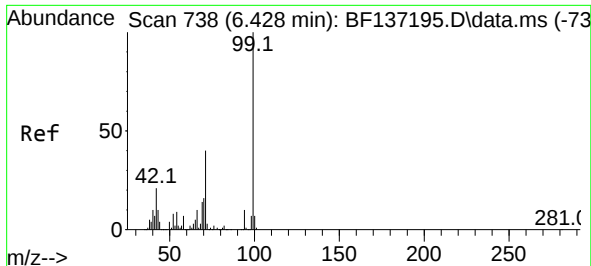
Reviewed By :Jagrut Upadhyay 02/08/2024  
Supervised By :mohammad ahmed 02/09/2024



#5  
2-Fluorophenol  
Concen: 96.786 ng  
RT: 5.416 min Scan# 566  
Delta R.T. 0.000 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

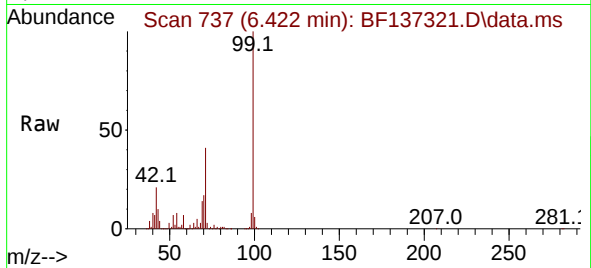
Tgt Ion:112 Resp: 288949  
Ion Ratio Lower Upper  
112 100  
64 73.1 57.8 86.6  
63 39.6 31.4 47.0





#7  
Phenol-d6  
Concen: 92.469 ng  
RT: 6.422 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

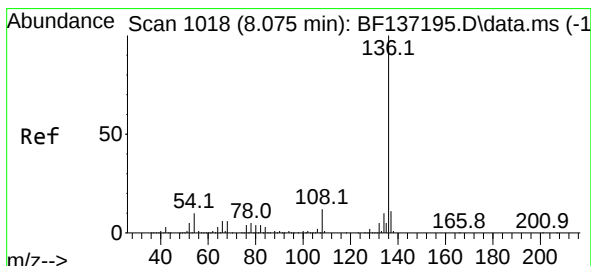
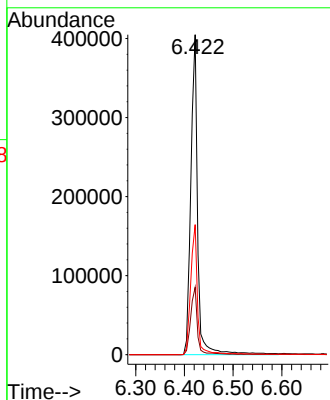
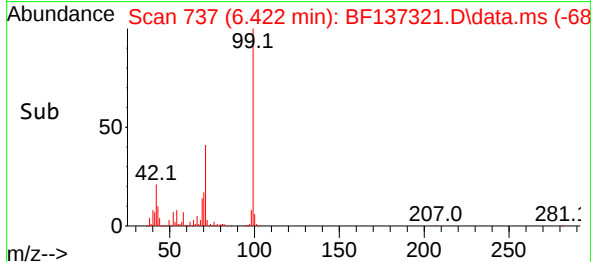
Instrument :  
BNA\_F  
ClientSampleId :  
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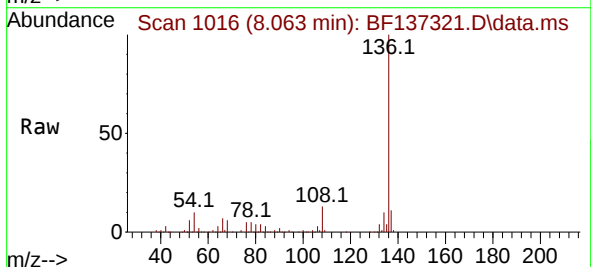
Tgt Ion: 99 Resp: 39396  
Ion Ratio Lower Upper  
99 100  
42 21.0 16.4 24.6  
71 40.6 32.4 48.6

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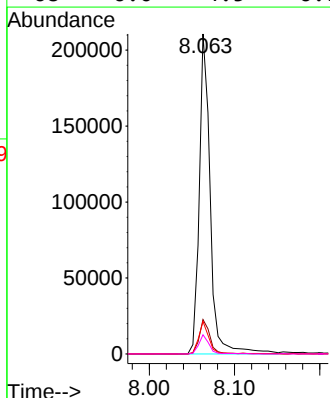
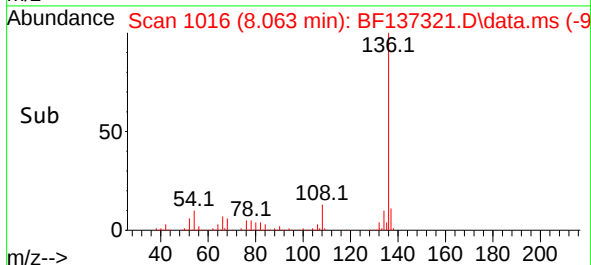
Reviewed By :Jagrut Upadhyay 02/08/2024  
Supervised By :mohammad ahmed 02/09/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1016  
Delta R.T. -0.012 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41



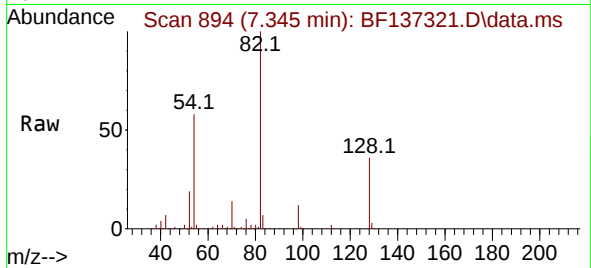
Tgt Ion:136 Resp: 188657  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.9 13.3  
54 10.2 7.8 11.8  
68 6.0 4.5 6.7





#23  
Nitrobenzene-d5  
Concen: 59.053 ng  
RT: 7.345 min Scan# 896  
Delta R.T. -0.012 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

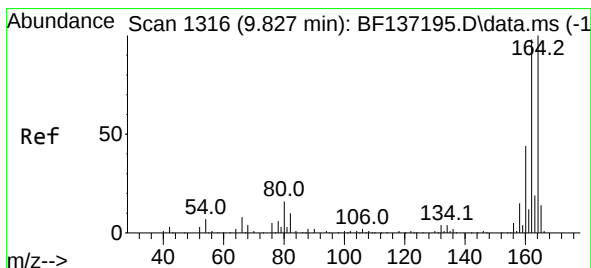
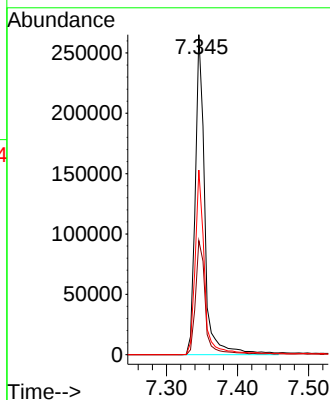
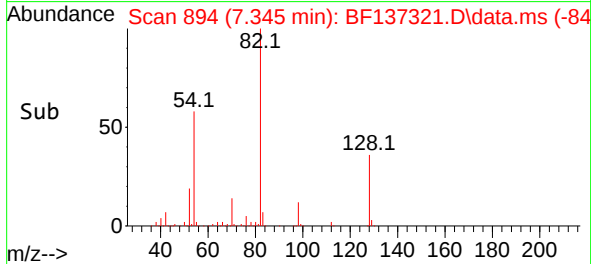
Instrument :  
BNA\_F  
ClientSampleId :  
EB-5-6-8



Tgt Ion: 82 Resp: 24883  
Ion Ratio Lower Upper  
82 100  
128 35.7 29.1 43.7  
54 57.7 45.0 67.6

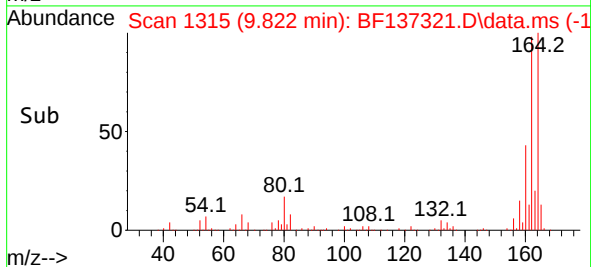
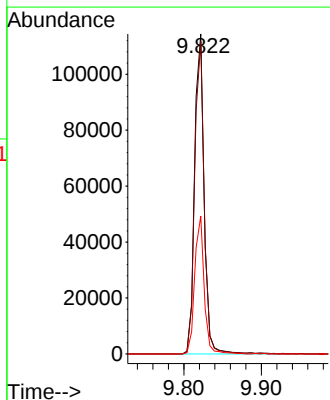
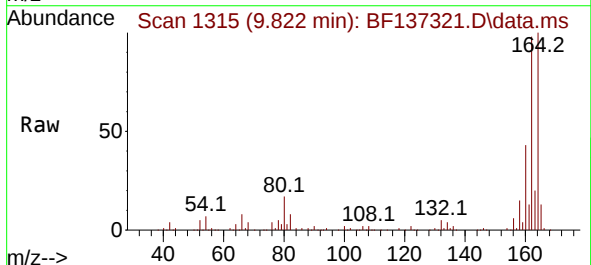
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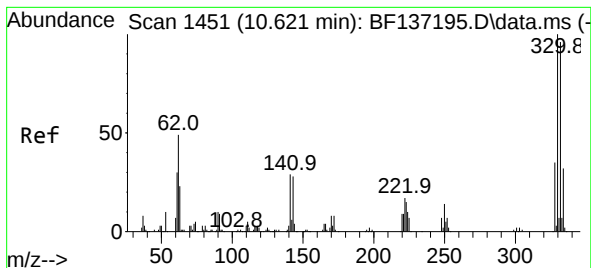
Reviewed By :Jagrut Upadhyay 02/08/2024  
Supervised By :mohammad ahmed 02/09/2024



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.005 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

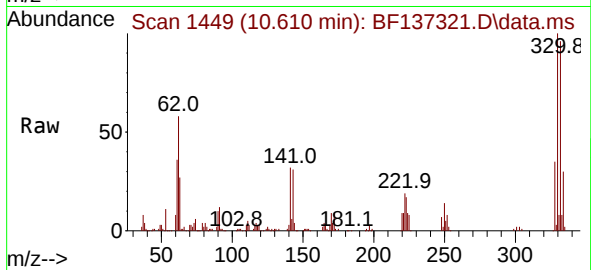
Tgt Ion:164 Resp: 98074  
Ion Ratio Lower Upper  
164 100  
162 97.6 78.3 117.5  
160 43.1 35.4 53.2





#42  
2,4,6-Tribromophenol  
Concen: 78.519 ng  
RT: 10.610 min Scan# 1451  
Delta R.T. -0.012 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

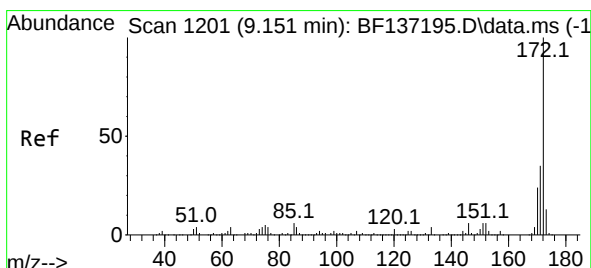
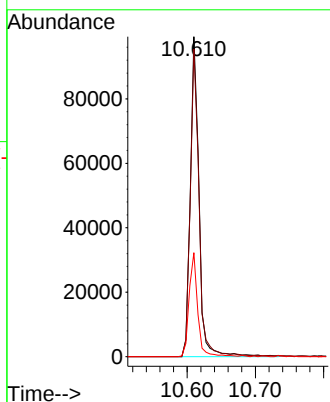
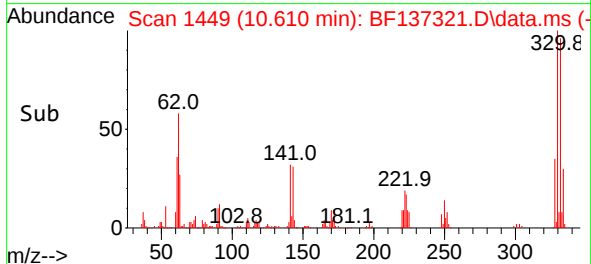
Instrument :  
BNA\_F  
ClientSampleId :  
EB-5-6-8



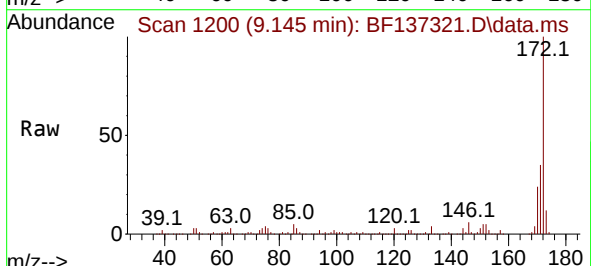
Tgt Ion: 330 Resp: 86968  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.3 115.9  
141 32.1 25.2 37.8

Manual Integrations  
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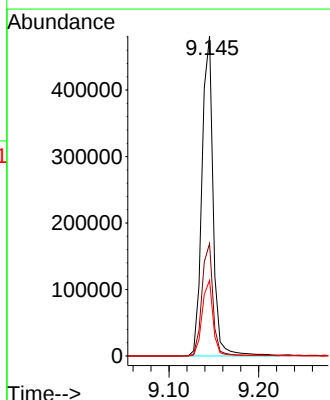
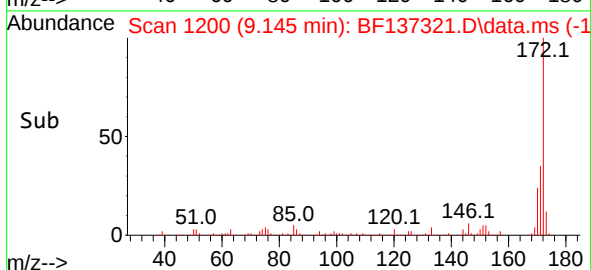
Reviewed By : Jagrut Upadhyay 02/08/2024  
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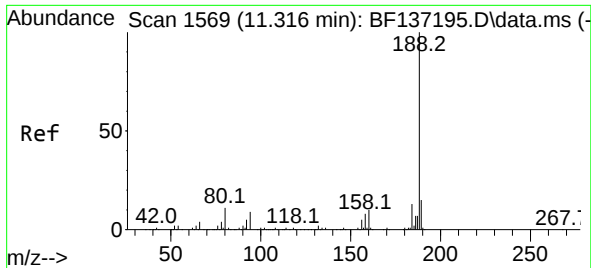


#45  
2-Fluorobiphenyl  
Concen: 58.578 ng  
RT: 9.145 min Scan# 1200  
Delta R.T. -0.006 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41



Tgt Ion: 172 Resp: 417920  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.3 42.5  
170 23.7 19.1 28.7





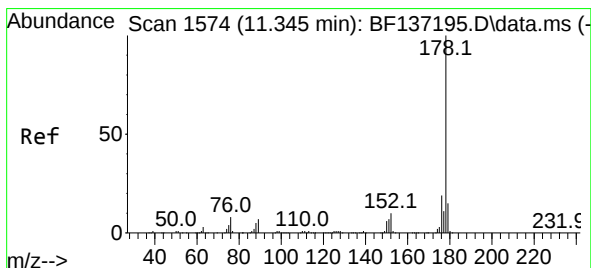
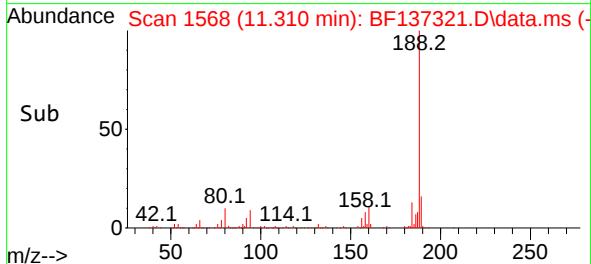
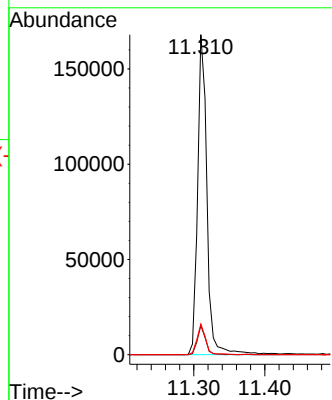
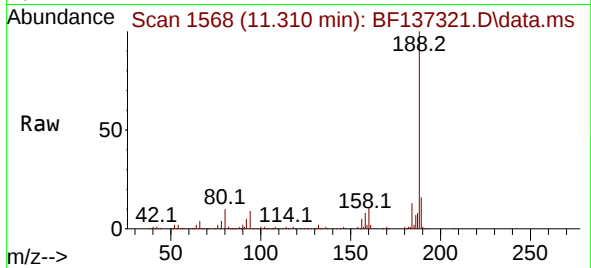
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

Instrument :  
BNA\_F  
ClientSampleId :  
EB-5-6-8

Tgt Ion:188 Resp: 154209  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.0 10.4  
80 9.6 8.8 13.2

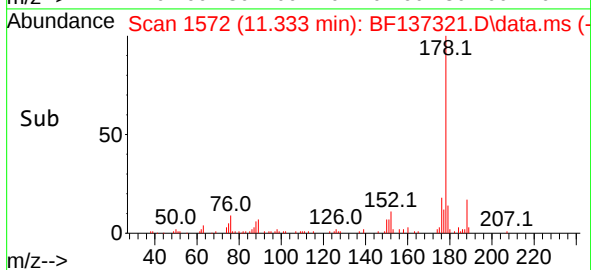
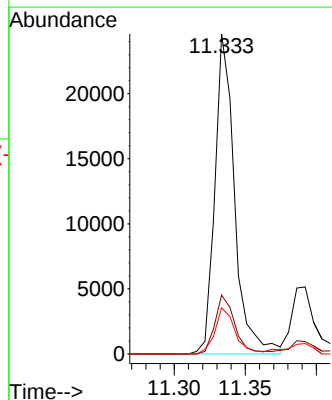
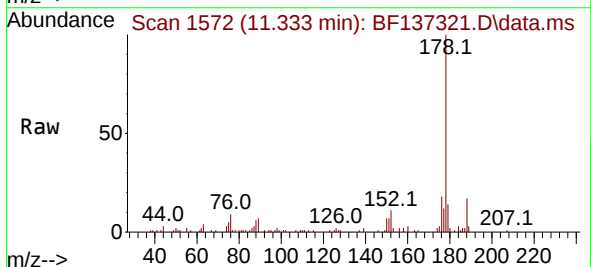
Manual Integrations  
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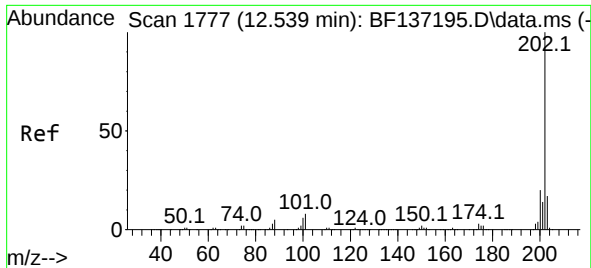
Reviewed By :Jagrut Upadhyay 02/08/2024  
Supervised By :mohammad ahmed 02/09/2024



#71  
Phenanthrene  
Concen: 2.941 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

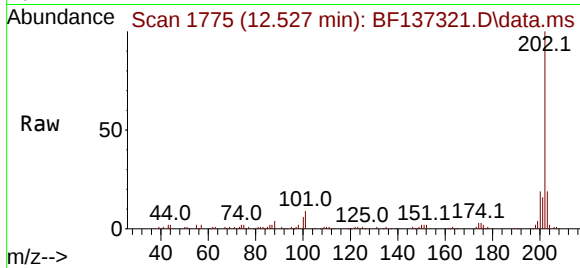
Tgt Ion:178 Resp: 23746  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.1 22.7  
179 14.4 12.1 18.1





#75  
Fluoranthene  
Concen: 5.060 ng  
RT: 12.527 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

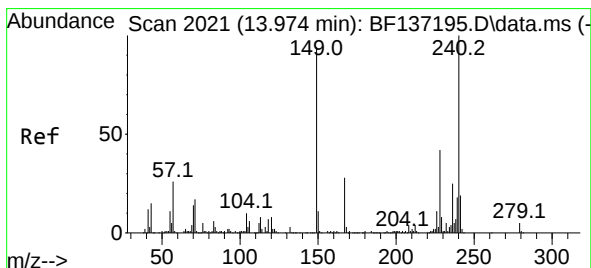
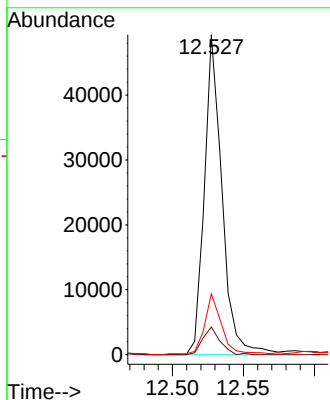
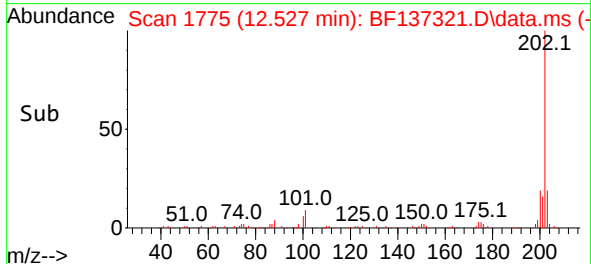
Instrument :  
BNA\_F  
ClientSampleId :  
EB-5-6-8



Tgt Ion:202 Resp: 42749  
Ion Ratio Lower Upper  
202 100  
101 8.6 0.0 28.4  
203 19.0 0.0 37.3

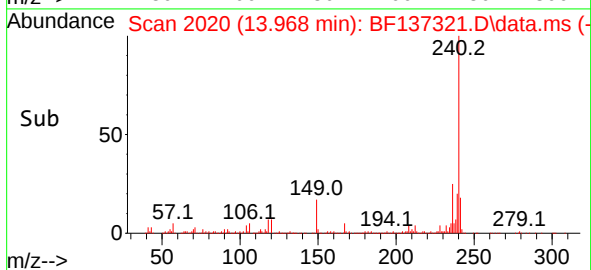
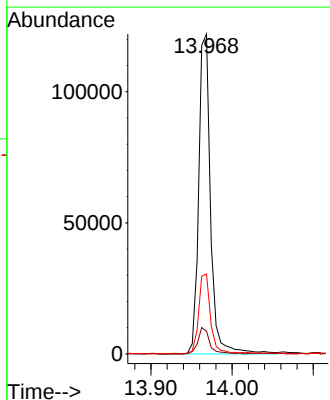
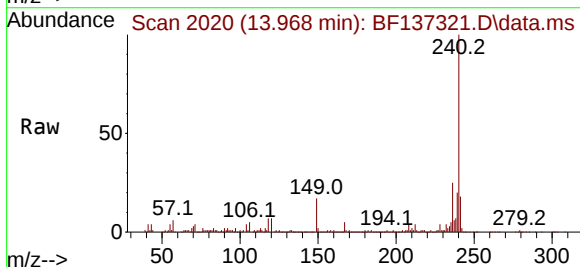
Manual Integrations  
APPROVED

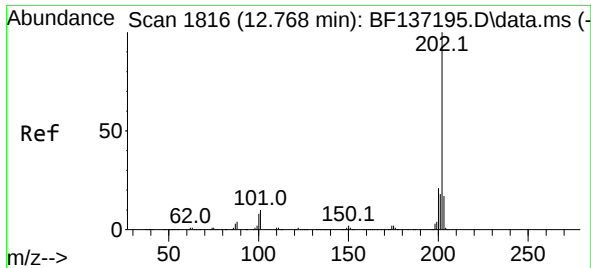
Reviewed By :Jagrut Upadhyay 02/08/2024  
Supervised By :mohammad ahmed 02/09/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

Tgt Ion:240 Resp: 124012  
Ion Ratio Lower Upper  
240 100  
120 7.1 6.3 9.5  
236 25.0 20.3 30.5





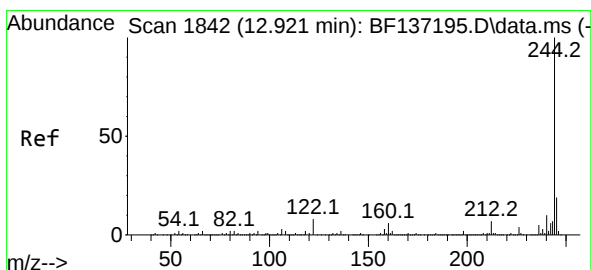
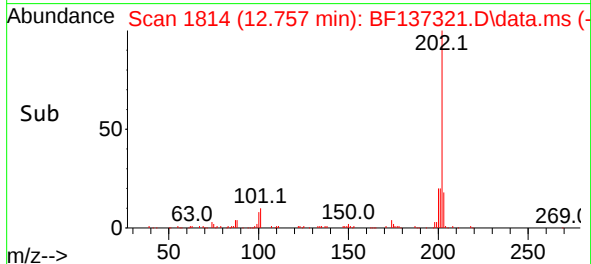
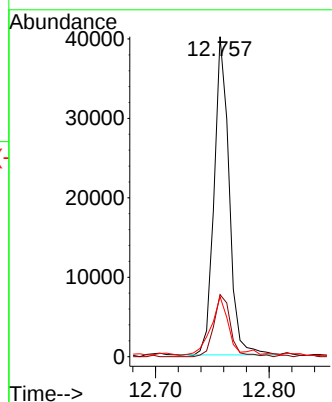
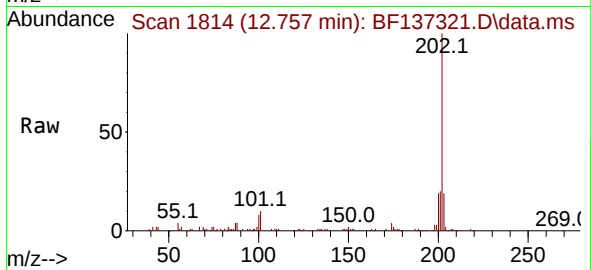
#78  
Pyrene  
Concen: 3.089 ng  
RT: 12.757 min Scan# 1814  
Delta R.T. -0.012 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

Instrument :  
BNA\_F  
ClientSampleId :  
EB-5-6-8

Tgt Ion:202 Resp: 36809  
Ion Ratio Lower Upper  
202 100  
200 19.4 16.5 24.7  
203 18.8 13.8 20.6

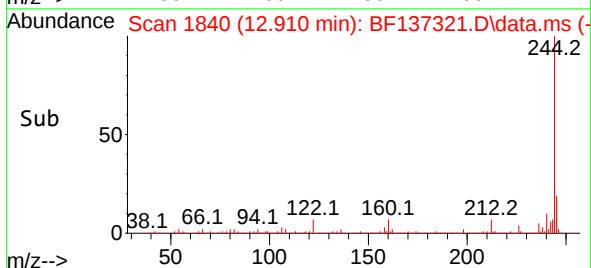
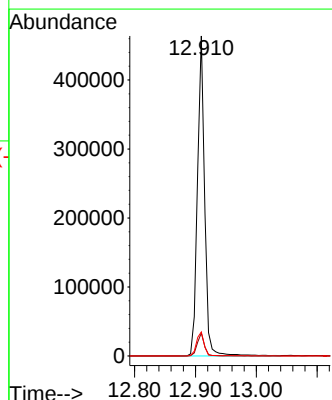
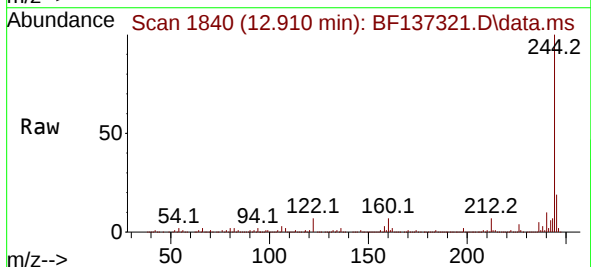
Manual Integrations  
APPROVED

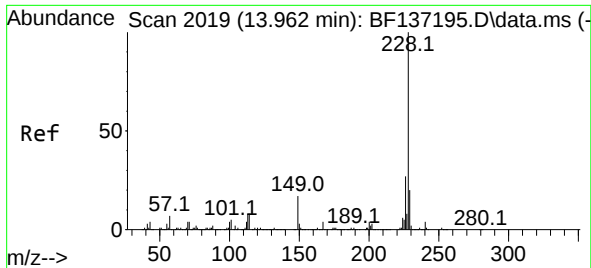
Reviewed By :Jagrut Upadhyay 02/08/2024  
Supervised By :mohammad ahmed 02/09/2024



#79  
Terphenyl-d14  
Concen: 41.859 ng  
RT: 12.910 min Scan# 1840  
Delta R.T. -0.012 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

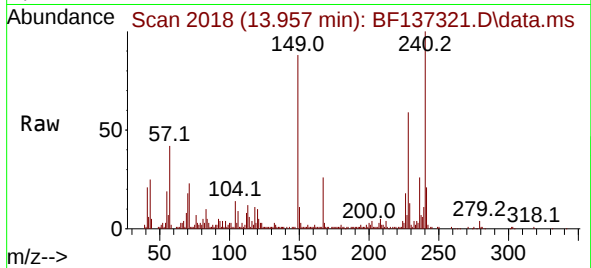
Tgt Ion:244 Resp: 381844  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.5 8.3  
122 7.5 6.2 9.4





#81  
Benzo(a)anthracene  
Concen: 2.547 ng  
RT: 13.957 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

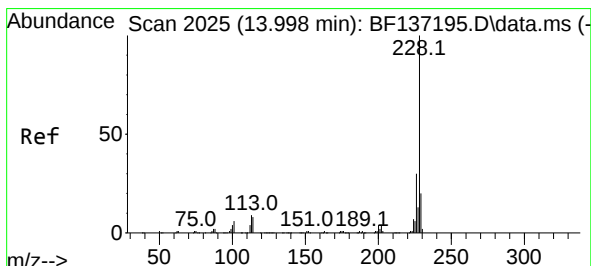
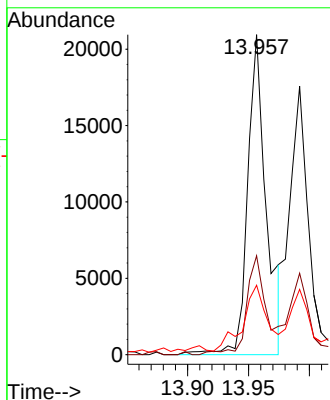
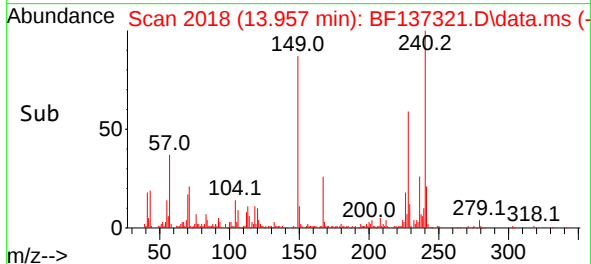
Instrument :  
BNA\_F  
ClientSampleId :  
EB-5-6-8



Tgt Ion:228 Resp: 22370  
Ion Ratio Lower Upper  
228 100  
226 30.9 21.6 32.4  
229 21.7 15.8 23.6

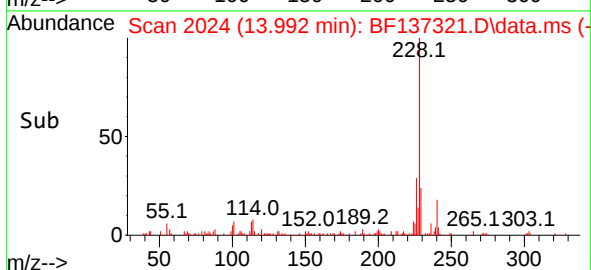
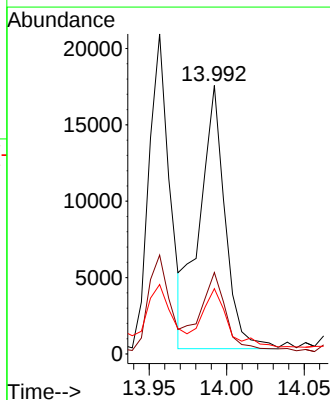
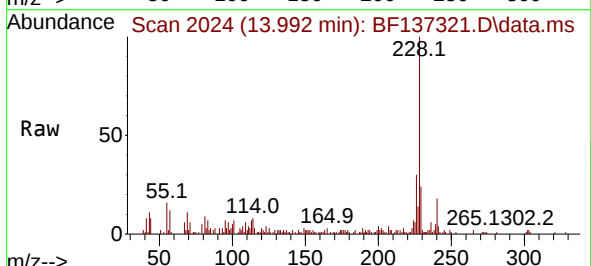
Manual Integrations  
APPROVED

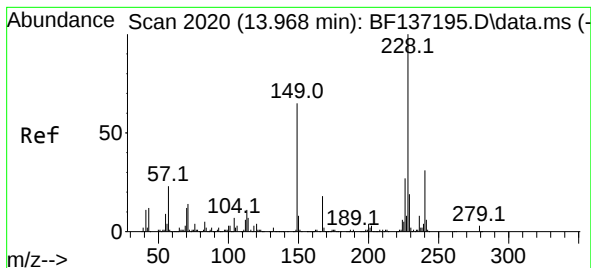
Reviewed By :Jagrut Upadhyay 02/08/2024  
Supervised By :mohammad ahmed 02/09/2024



#83  
Chrysene  
Concen: 2.302 ng m  
RT: 13.992 min Scan# 2024  
Delta R.T. -0.006 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

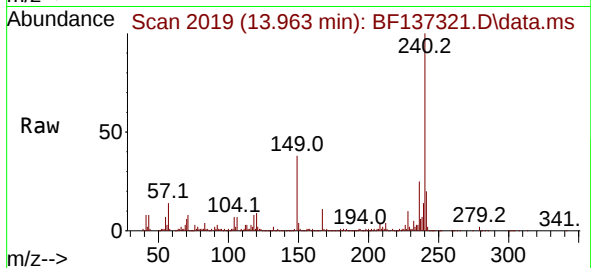
Tgt Ion:228 Resp: 19875  
Ion Ratio Lower Upper  
228 100  
226 30.4 23.7 35.5  
229 24.3 15.6 23.4#





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 10.750 ng  
RT: 13.963 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

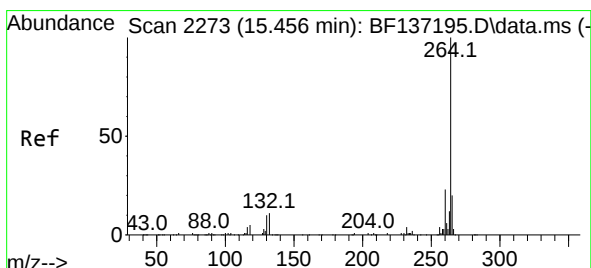
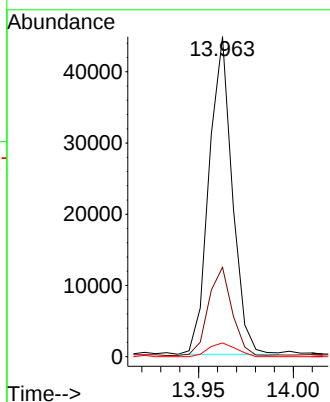
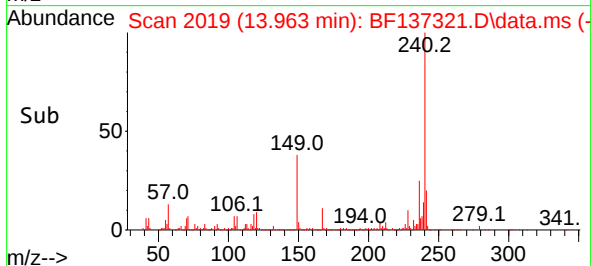
Instrument :  
BNA\_F  
ClientSampleId :  
EB-5-6-8



Tgt Ion:149 Resp: 3812  
Ion Ratio Lower Upper  
149 100  
167 28.0 21.7 32.5  
279 4.3 3.4 5.0

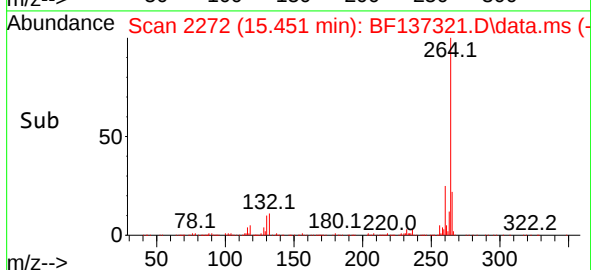
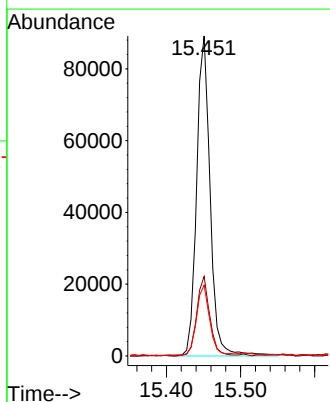
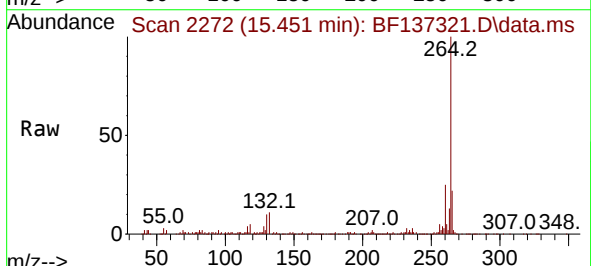
Manual Integrations  
APPROVED

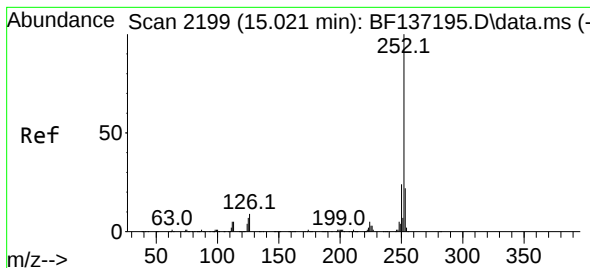
Reviewed By :Jagrut Upadhyay 02/08/2024  
Supervised By :mohammad ahmed 02/09/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.451 min Scan# 2272  
Delta R.T. -0.006 min  
Lab File: BF137321.D  
Acq: 07 Feb 2024 15:41

Tgt Ion:264 Resp: 112934  
Ion Ratio Lower Upper  
264 100  
260 24.9 18.2 27.4  
265 22.2 16.2 24.2





#88

Benzo(b)fluoranthene

Concen: 3.157 ng m

RT: 15.015 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF137321.D

Acq: 07 Feb 2024 15:41

Instrument :

BNA\_F

ClientSampleId :

EB-5-6-8

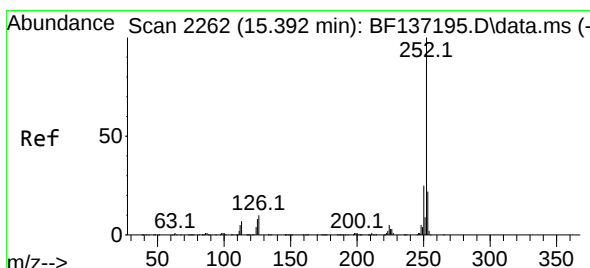
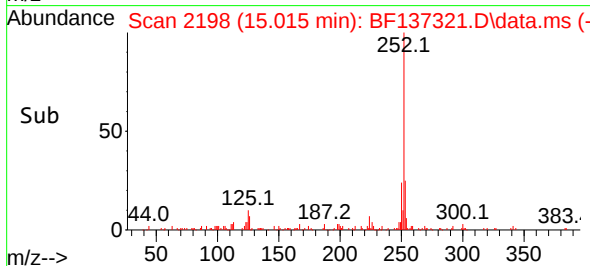
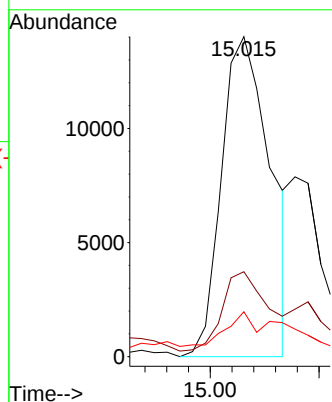
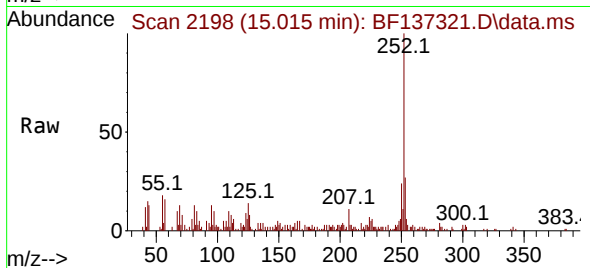
Tgt Ion:252 Resp: 21920

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 26.6  | 17.9  | 26.9  |
| 125 | 14.1  | 5.4   | 8.2   |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/08/2024  
Supervised By :mohammad ahmed 02/09/2024



#90

Benzo(a)pyrene

Concen: 2.179 ng

RT: 15.386 min Scan# 2261

Delta R.T. -0.006 min

Lab File: BF137321.D

Acq: 07 Feb 2024 15:41

Tgt Ion:252 Resp: 14241

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.9  | 17.8  | 26.6  |
| 125 | 13.7  | 6.5   | 9.7   |

