

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051022\  
 Data File : BF128162.D  
 Acq On : 10 May 2022 16:11  
 Operator : CG\JU  
 Sample : N2755-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-210

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/11/2022  
 Supervised By : Jagrut Upadhyay 05/11/2022

Quant Time: May 11 04:00:23 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 09 15:30:11 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 82338    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 318707   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.933  | 164  | 180735   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.421 | 188  | 318809   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.068 | 240  | 182189   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.562 | 264  | 176338   | 20.000 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 457405   | 88.558 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 596651   | 87.337 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 420441   | 59.360 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 172571   | 83.255 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 720836   | 62.406 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 729826   | 75.167 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene              | 11.445 | 178  | 51387    | 3.237  | ng    | 98       |
| 75) Fluoranthene              | 12.639 | 202  | 93307    | 5.421  | ng    | 97       |
| 78) Pyrene                    | 12.868 | 202  | 93185    | 7.054  | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 33407    | 2.871  | ng    | 95       |
| 83) Chrysene                  | 14.092 | 228  | 36223    | 3.262  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 23277    | 3.137  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.074 | 276  | 22985    | 2.155  | ng    | 94       |
| 88) Benzo(b)fluoranthene      | 15.121 | 252  | 36844m   | 3.371  | ng    |          |
| 90) Benzo(a)pyrene            | 15.498 | 252  | 27713    | 3.140  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.533 | 276  | 22800    | 2.608  | ng    | 93       |
| -----                         |        |      |          |        |       |          |

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

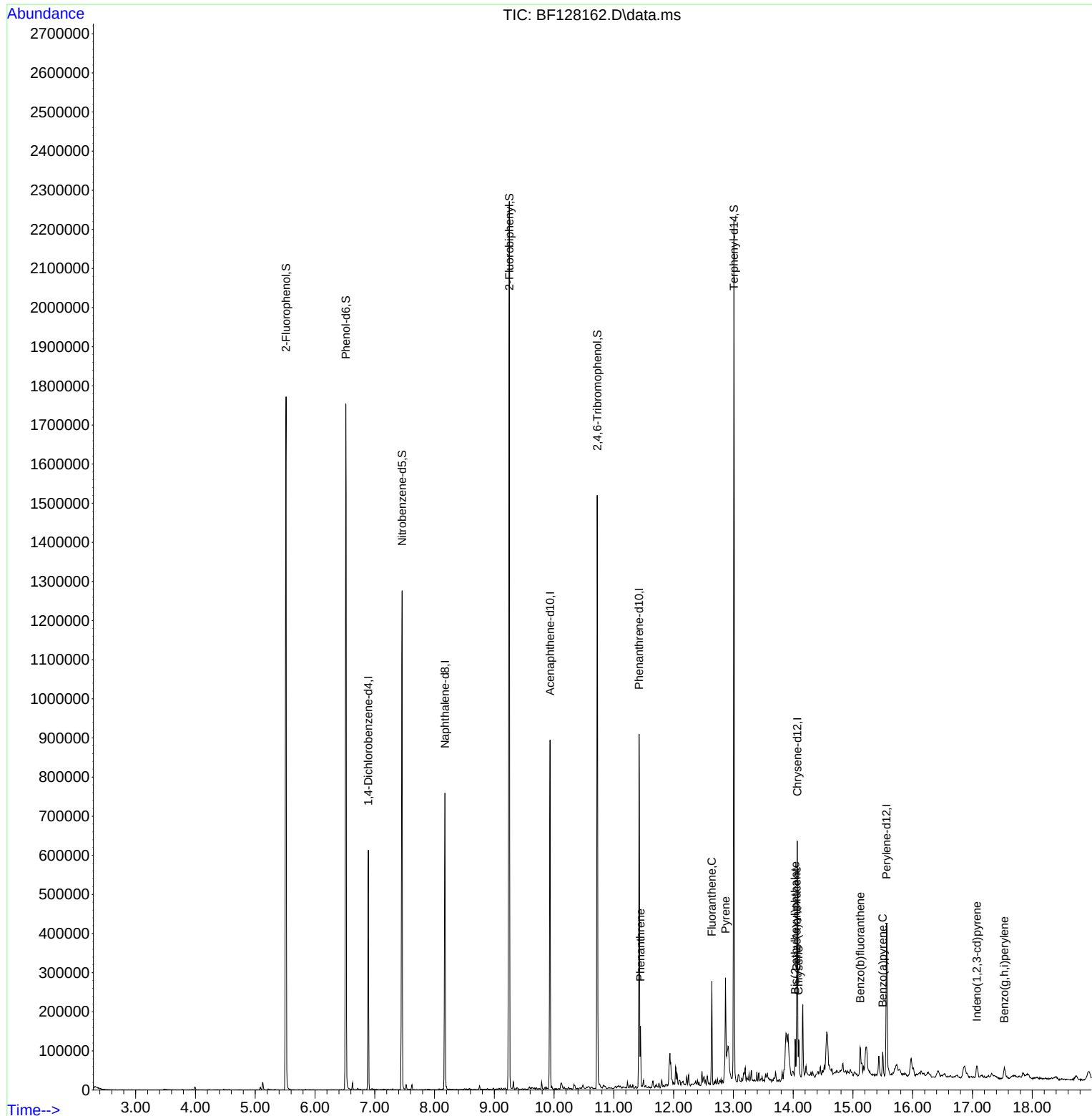
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051022\  
Data File : BF128162.D  
Acq On : 10 May 2022 16:11  
Operator : CG\JU  
Sample : N2755-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

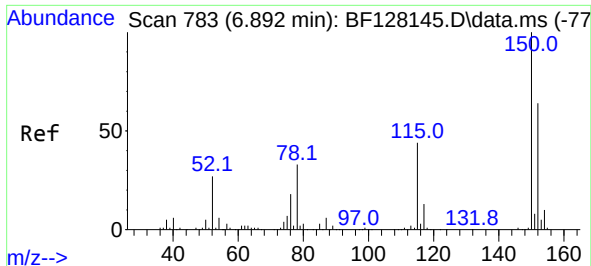
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-210

Manual Integrations  
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Supervised By : Jagrut Upadhyay 05/11/2022

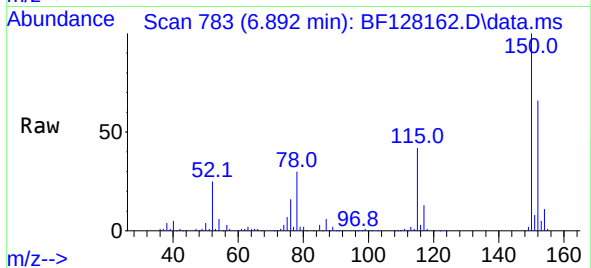
Quant Time: May 11 04:00:23 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 09 15:30:11 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

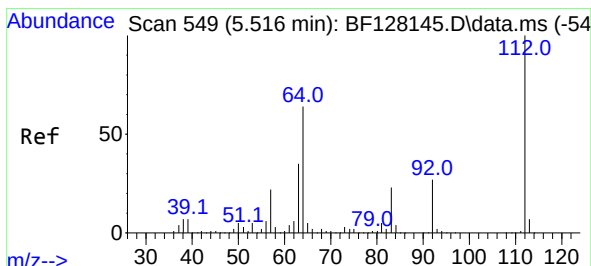
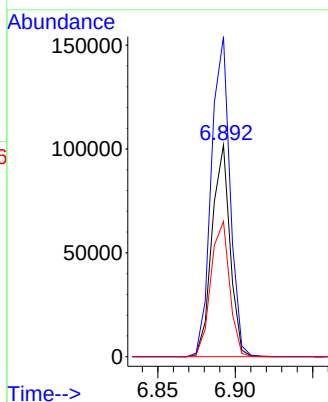
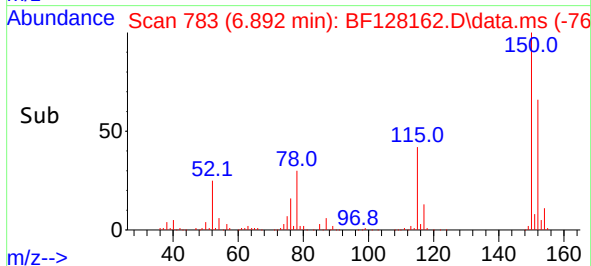
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-210



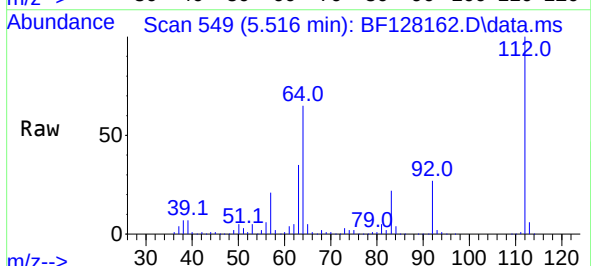
Tgt Ion:152 Resp: 82338  
Ion Ratio Lower Upper  
152 100  
150 151.2 125.3 187.9  
115 63.9 48.8 73.2

Manual Integrations  
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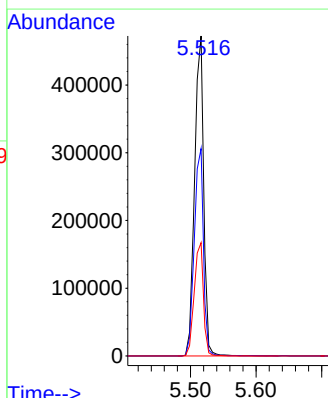
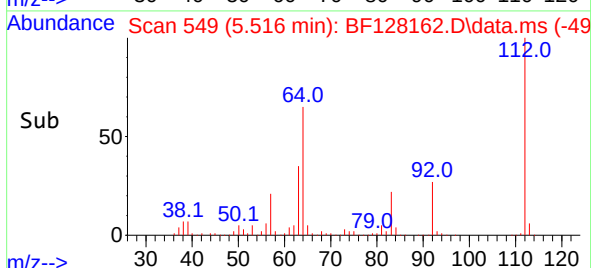
Reviewed By :Christian Giraldo 05/11/2022  
Supervised By :Jagrut Upadhyay 05/11/2022

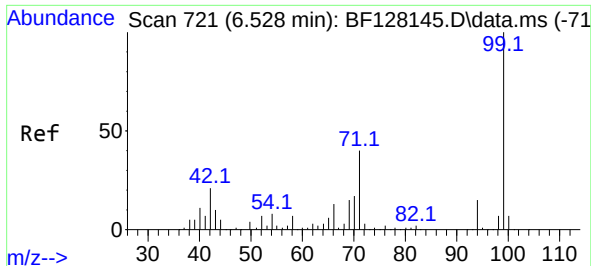


#5  
2-Fluorophenol  
Concen: 88.558 ng  
RT: 5.516 min Scan# 549  
Delta R.T. -0.000 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11



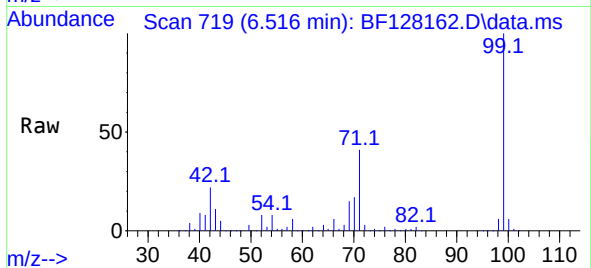
Tgt Ion:112 Resp: 457405  
Ion Ratio Lower Upper  
112 100  
64 64.8 49.5 74.3  
63 35.4 26.3 39.5





#7  
Phenol-d6  
Concen: 87.337 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

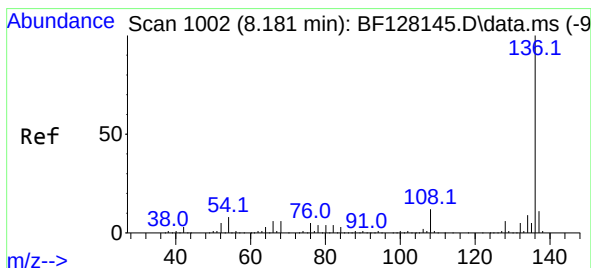
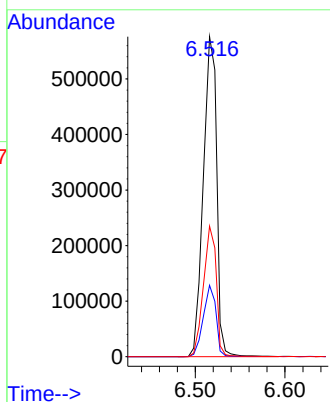
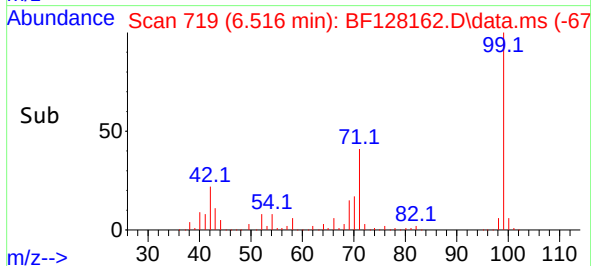
Instrument :  
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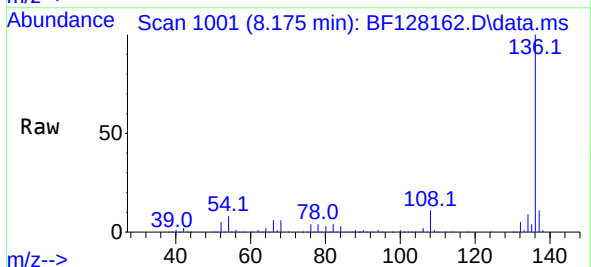
Tgt Ion: 99 Resp: 59665  
Ion Ratio Lower Upper  
99 100  
42 22.3 16.6 24.8  
71 40.8 30.0 45.0

Manual Integrations  
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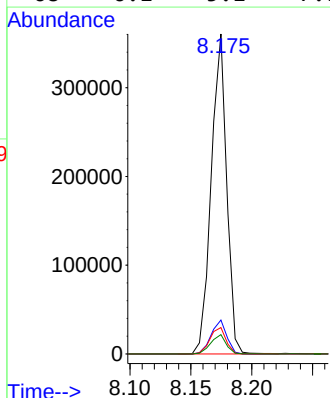
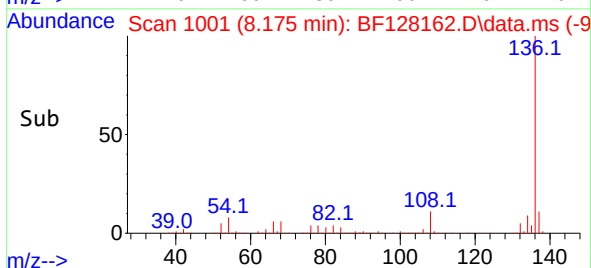
Reviewed By :Christian Giraldo 05/11/2022  
Supervised By :Jagrut Upadhyay 05/11/2022

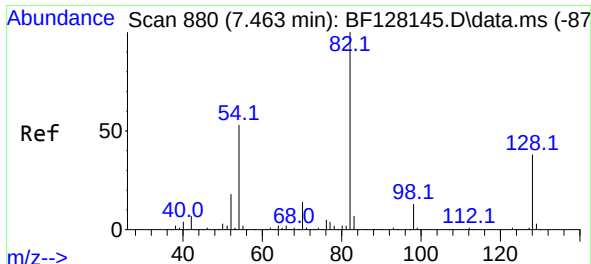


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11



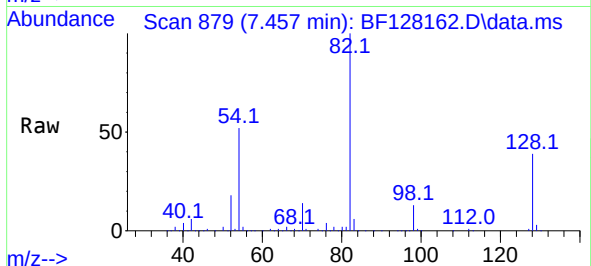
Tgt Ion:136 Resp: 318707  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 13.0  
54 8.2 6.8 10.2  
68 6.1 5.1 7.7





#23  
Nitrobenzene-d5  
Concen: 59.360 ng  
RT: 7.457 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

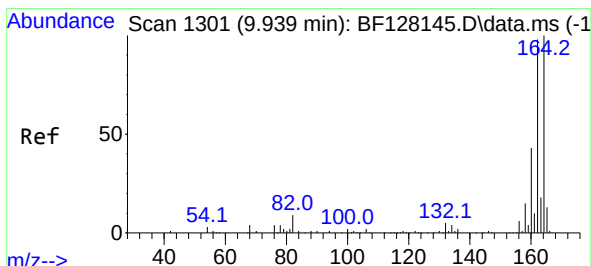
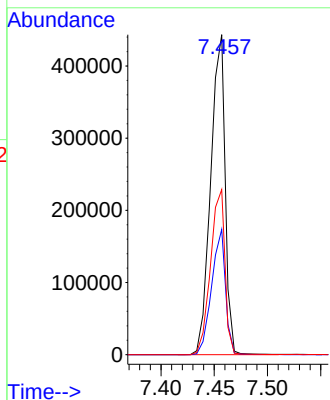
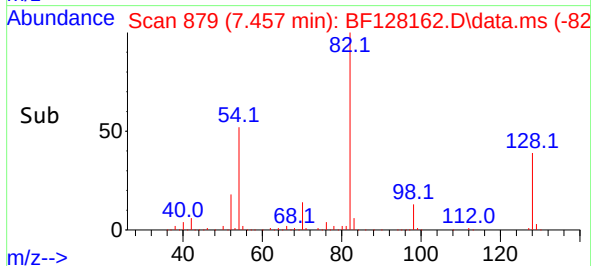
Instrument :  
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ClientSampleId :  
VNJ-210



Tgt Ion: 82 Resp: 42044  
Ion Ratio Lower Upper  
82 100  
128 39.2 30.0 45.0  
54 51.6 41.3 61.9

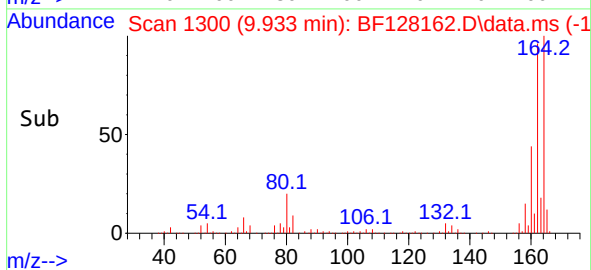
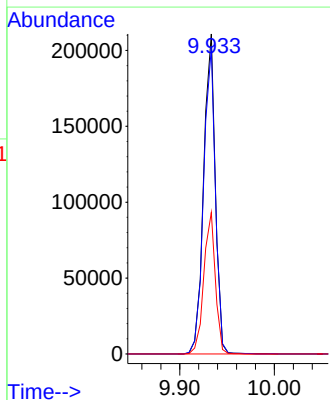
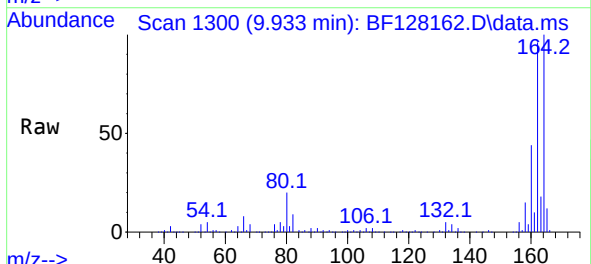
Manual Integrations  
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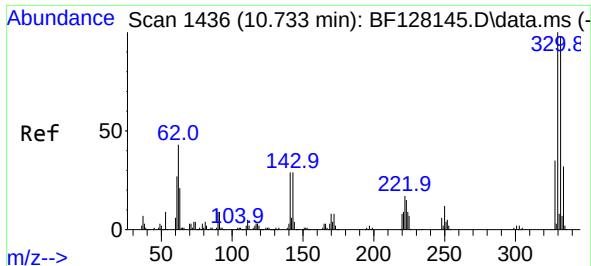
Reviewed By :Christian Giraldo 05/11/2022  
Supervised By :Jagrut Upadhyay 05/11/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 1300  
Delta R.T. -0.006 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

Tgt Ion:164 Resp: 180735  
Ion Ratio Lower Upper  
164 100  
162 95.6 76.0 114.0  
160 44.2 34.8 52.2





#42  
2,4,6-Tribromophenol  
Concen: 83.255 ng  
RT: 10.722 min Scan# 1436  
Delta R.T. -0.012 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

Instrument :

BNA\_F

ClientSampleId :

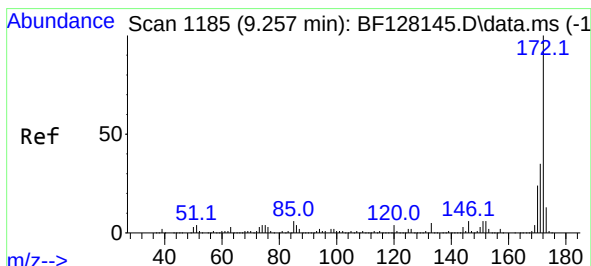
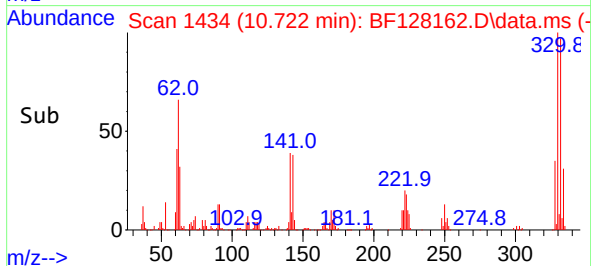
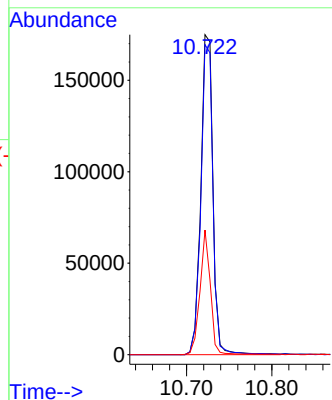
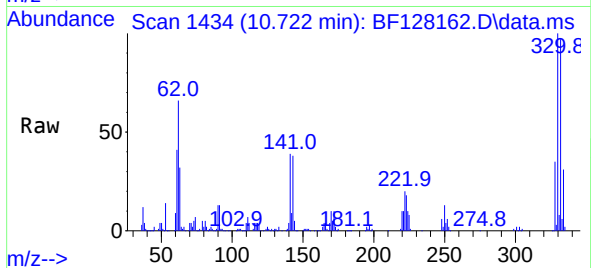
VNJ-210

Tgt Ion:330 Resp: 17257  
Ion Ratio Lower Upper  
330 100  
332 96.5 79.0 118.4  
141 33.5 28.9 43.3

Manual Integrations

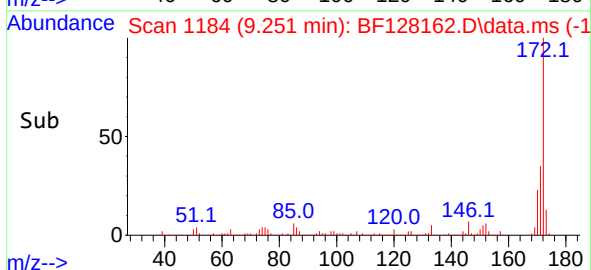
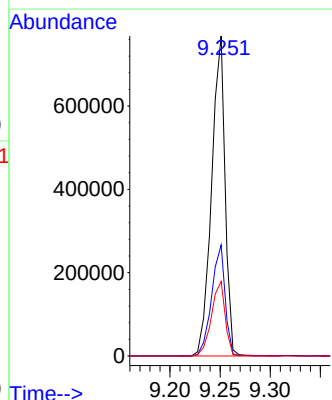
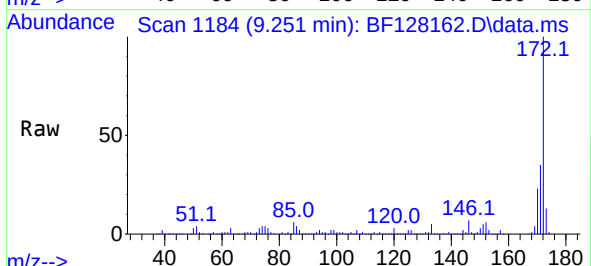
APPROVED

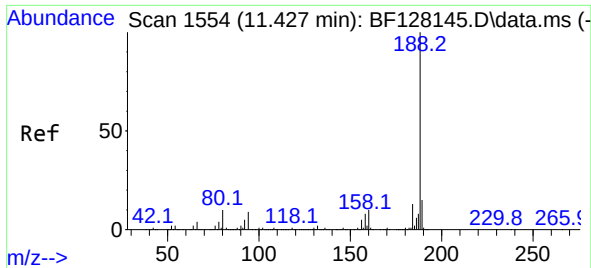
Reviewed By :Christian Giraldo 05/11/2022  
Supervised By :Jagrut Upadhyay 05/11/2022



#45  
2-Fluorobiphenyl  
Concen: 62.406 ng  
RT: 9.251 min Scan# 1184  
Delta R.T. -0.006 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

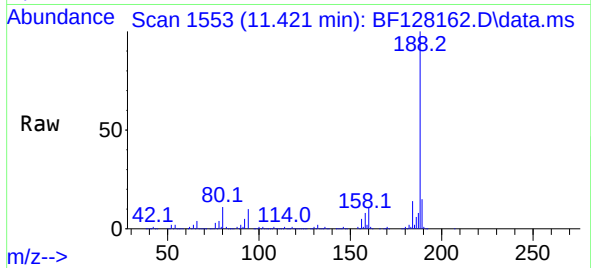
Tgt Ion:172 Resp: 720836  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.6 42.8  
170 23.3 19.1 28.7





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.421 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

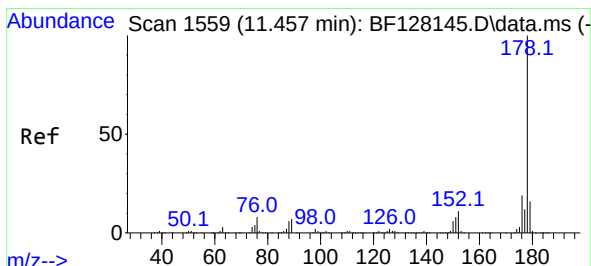
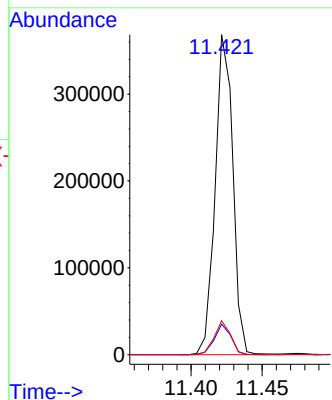
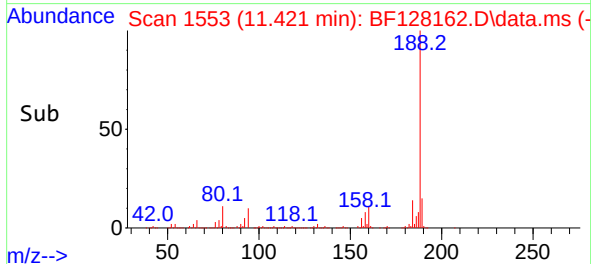
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-210



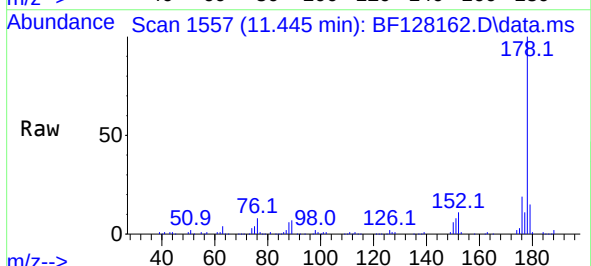
Tgt Ion:188 Resp: 318809  
Ion Ratio Lower Upper  
188 100  
94 9.5 8.0 12.0  
80 10.6 8.9 13.3

Manual Integrations  
APPROVED

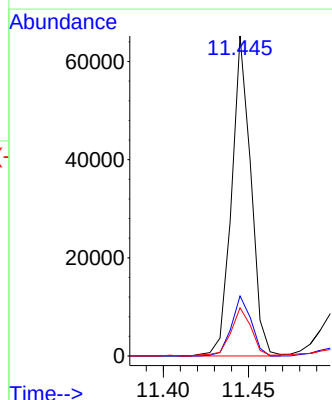
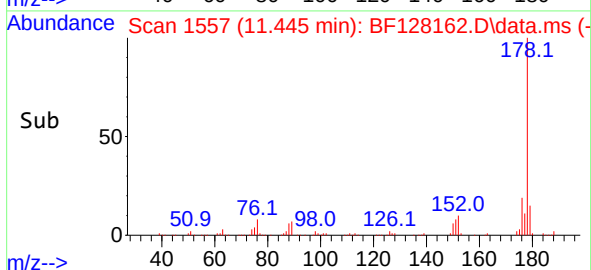
Reviewed By :Christian Giraldo 05/11/2022  
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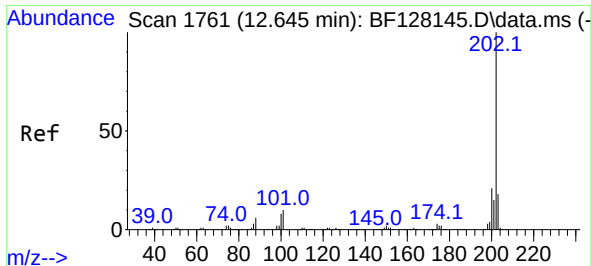


#71  
Phenanthrene  
Concen: 3.237 ng  
RT: 11.445 min Scan# 1557  
Delta R.T. -0.012 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11



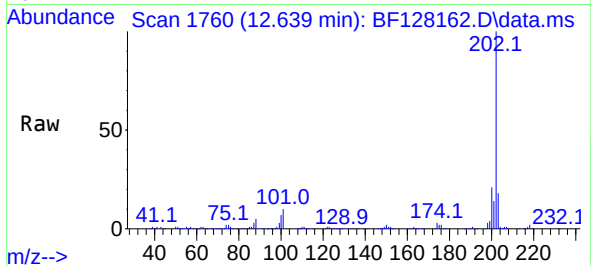
Tgt Ion:178 Resp: 51387  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.7 23.5  
179 15.1 12.6 19.0





#75  
Fluoranthene  
Concen: 5.421 ng  
RT: 12.639 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

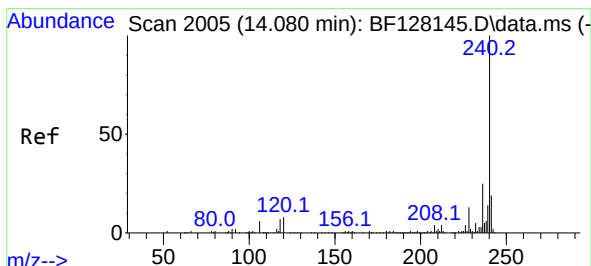
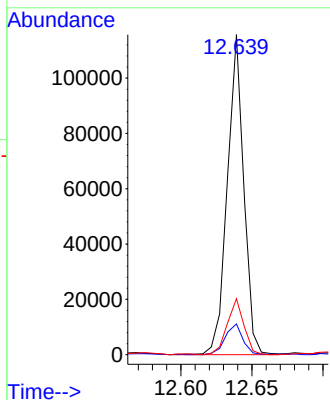
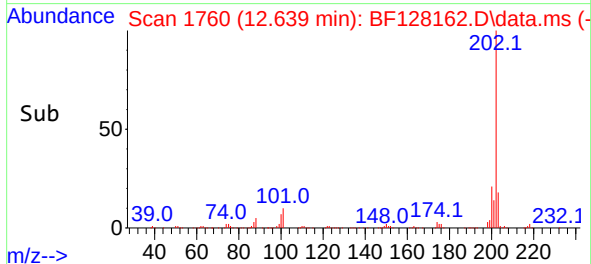
Instrument :  
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VNJ-210



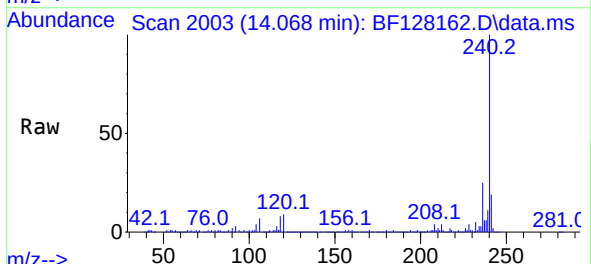
Tgt Ion:202 Resp: 9330  
Ion Ratio Lower Upper  
202 100  
101 9.6 0.0 31.6  
203 17.5 0.0 38.1

Manual Integrations  
APPROVED

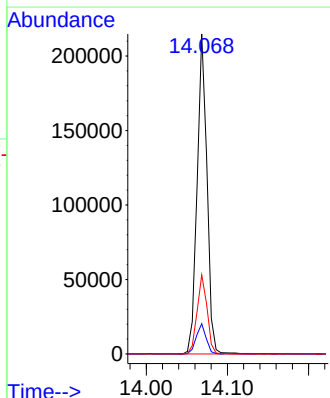
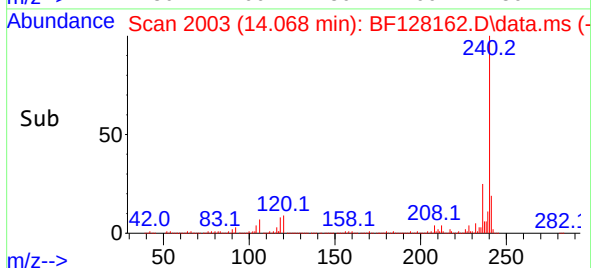
Reviewed By :Christian Giraldo 05/11/2022  
Supervised By :Jagrut Upadhyay 05/11/2022



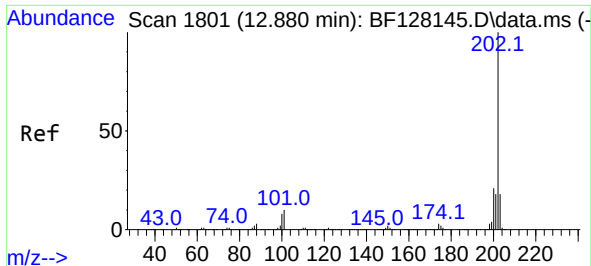
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.068 min Scan# 2003  
Delta R.T. -0.012 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11



Tgt Ion:240 Resp: 182189  
Ion Ratio Lower Upper  
240 100  
120 9.4 7.0 10.6  
236 24.7 20.3 30.5

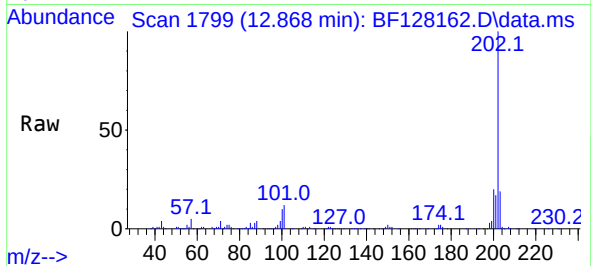






#78  
Pyrene  
Concen: 7.054 ng  
RT: 12.868 min Scan# 1799  
Delta R.T. -0.012 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

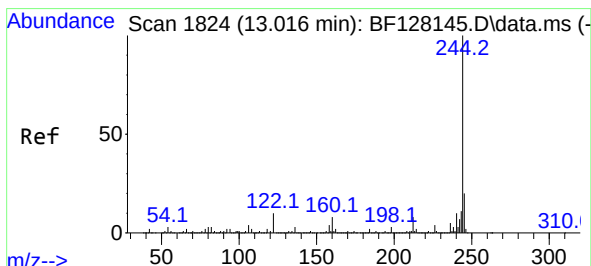
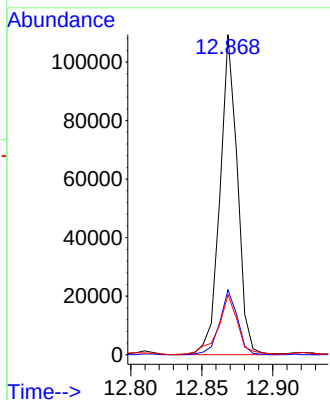
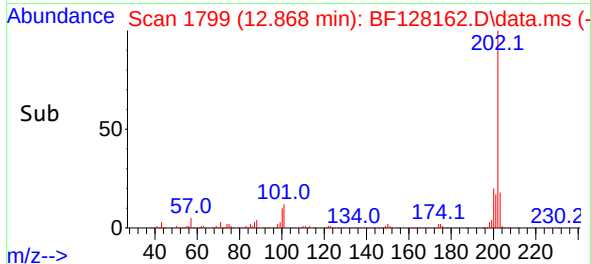
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-210



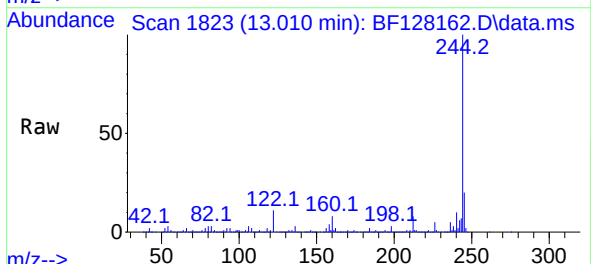
Tgt Ion:202 Resp: 93185  
Ion Ratio Lower Upper  
202 100  
200 20.2 17.4 26.2  
203 18.7 14.0 21.0

Manual Integrations  
APPROVED

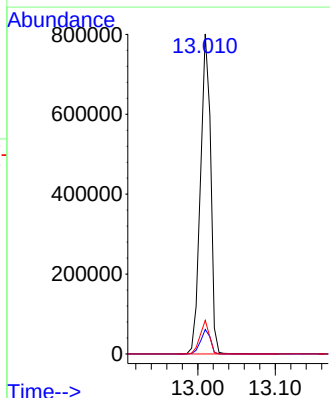
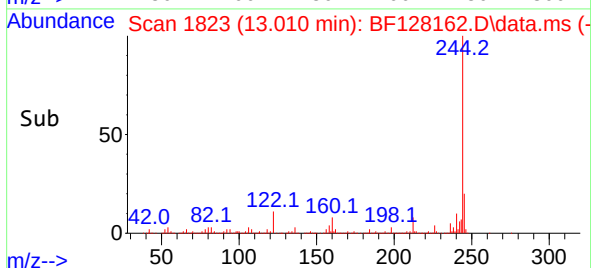
Reviewed By :Christian Giraldo 05/11/2022  
Supervised By :Jagrut Upadhyay 05/11/2022

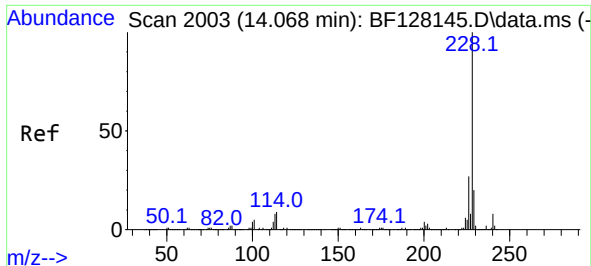


#79  
Terphenyl-d14  
Concen: 75.167 ng  
RT: 13.010 min Scan# 1823  
Delta R.T. -0.006 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11



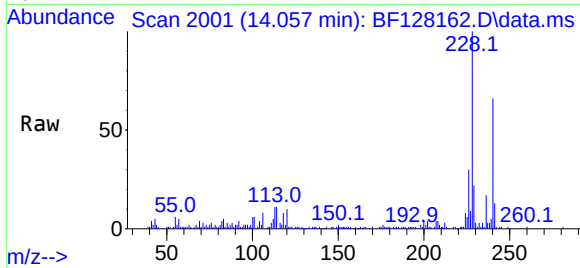
Tgt Ion:244 Resp: 729826  
Ion Ratio Lower Upper  
244 100  
212 7.7 6.2 9.4  
122 10.5 8.6 12.8





#81  
Benzo(a)anthracene  
Concen: 2.871 ng  
RT: 14.057 min Scan# 2001  
Delta R.T. -0.012 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

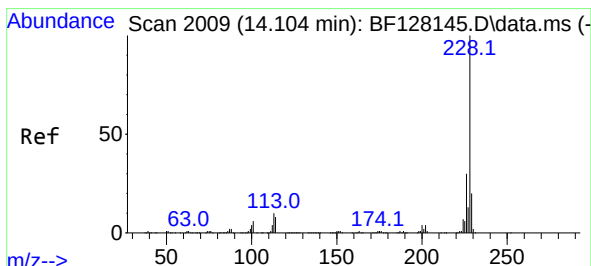
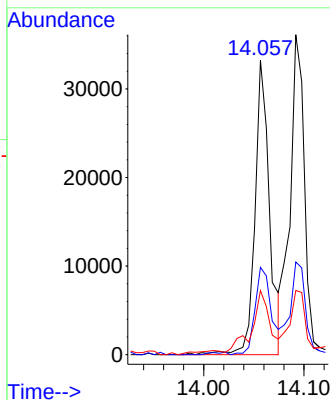
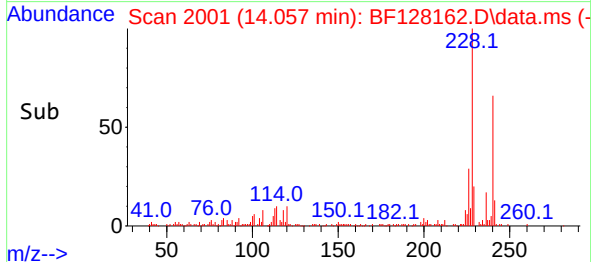
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-210



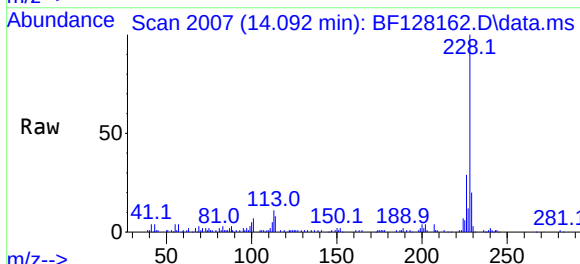
Tgt Ion:228 Resp: 3340  
Ion Ratio Lower Upper  
228 100  
226 29.7 21.7 32.5  
229 21.8 15.4 23.2

Manual Integrations  
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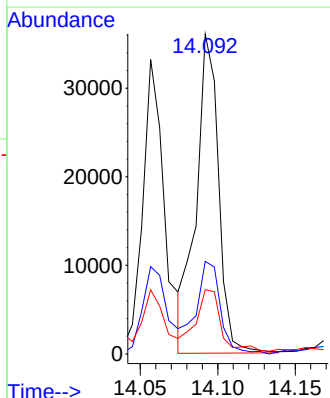
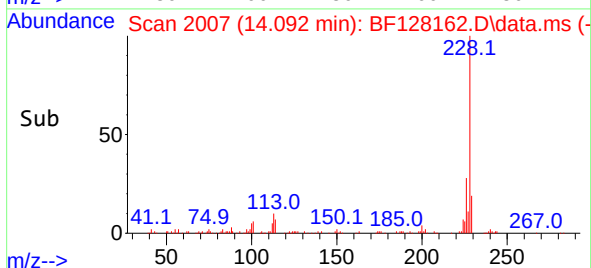
Reviewed By :Christian Giraldo 05/11/2022  
Supervised By :Jagrut Upadhyay 05/11/2022

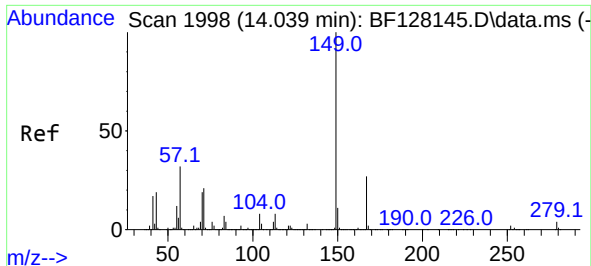


#83  
Chrysene  
Concen: 3.262 ng  
RT: 14.092 min Scan# 2007  
Delta R.T. -0.012 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11



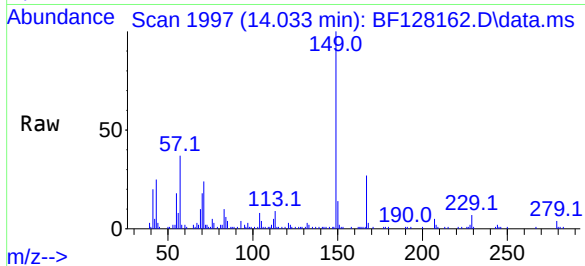
Tgt Ion:228 Resp: 36223  
Ion Ratio Lower Upper  
228 100  
226 28.9 24.4 36.6  
229 20.1 15.8 23.8





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.137 ng  
RT: 14.033 min Scan# 1998  
Delta R.T. -0.006 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

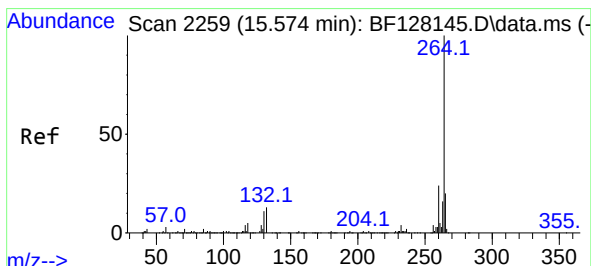
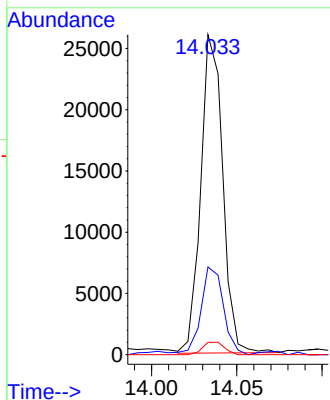
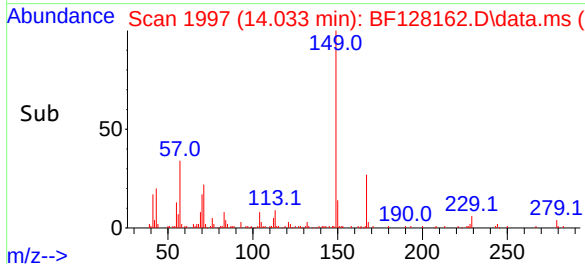
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-210



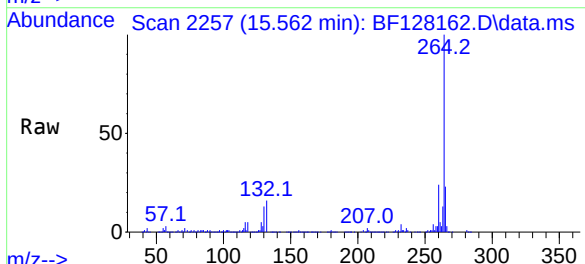
Tgt Ion:149 Resp: 2327  
Ion Ratio Lower Upper  
149 100  
167 27.4 22.0 33.0  
279 3.8 3.4 5.0

Manual Integrations  
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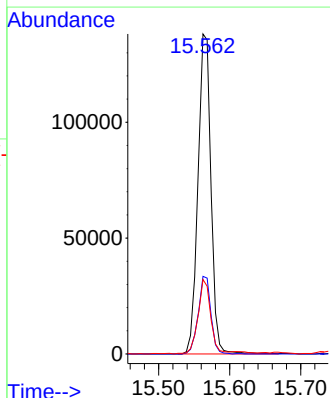
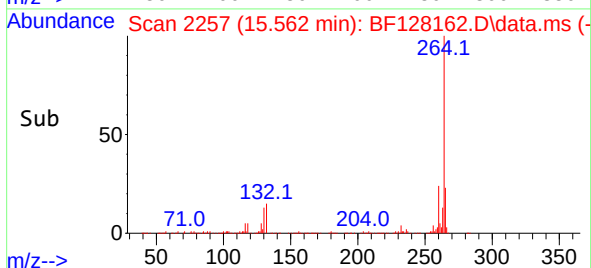
Reviewed By :Christian Giraldo 05/11/2022  
Supervised By :Jagrut Upadhyay 05/11/2022

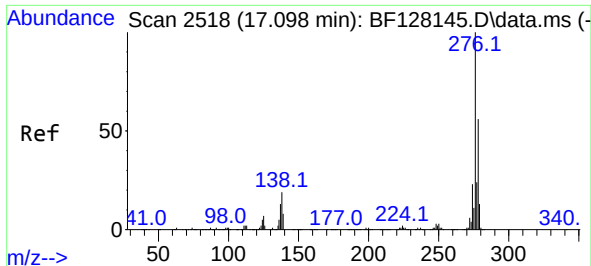


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.562 min Scan# 2257  
Delta R.T. -0.012 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11



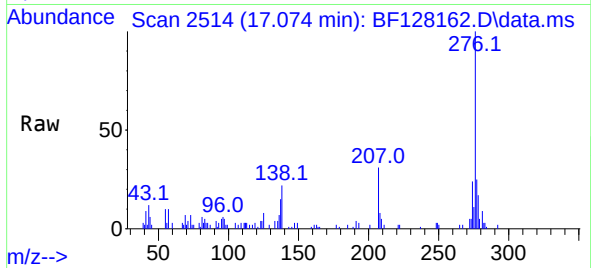
Tgt Ion:264 Resp: 176338  
Ion Ratio Lower Upper  
264 100  
260 24.2 20.1 30.1  
265 23.2 17.5 26.3





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.155 ng  
RT: 17.074 min Scan# 2188  
Delta R.T. -0.024 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

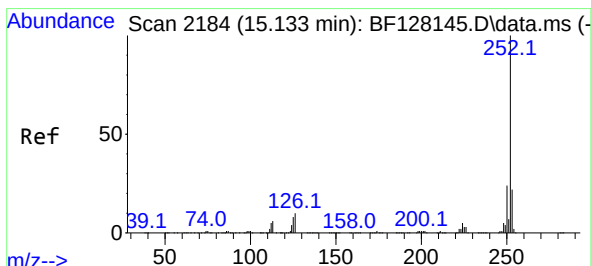
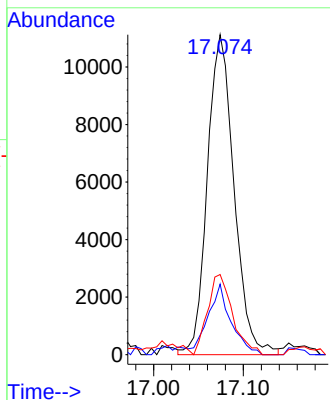
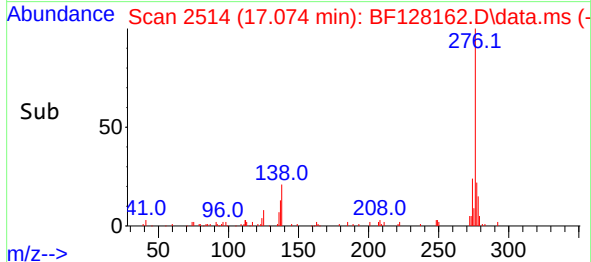
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-210



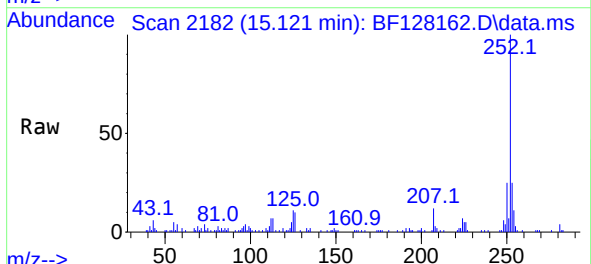
Tgt Ion:276 Resp: 22985  
Ion Ratio Lower Upper  
276 100  
138 19.0 19.0 28.4  
277 23.4 20.1 30.1

Manual Integrations  
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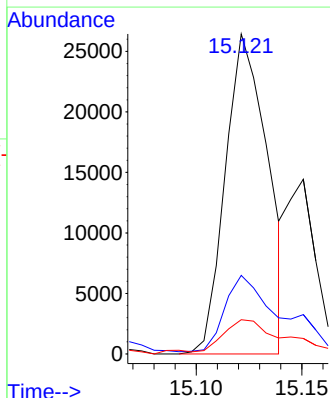
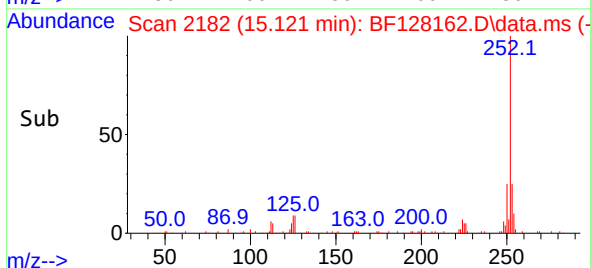
Reviewed By :Christian Giraldo 05/11/2022  
Supervised By :Jagrut Upadhyay 05/11/2022

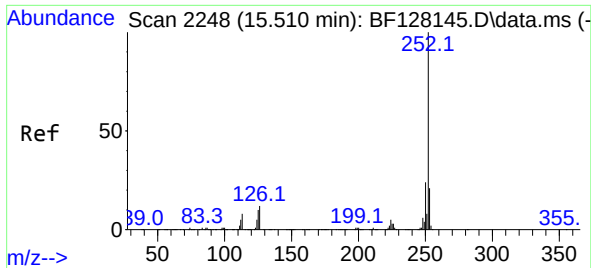


#88  
Benzo(b)fluoranthene  
Concen: 3.371 ng m  
RT: 15.121 min Scan# 2182  
Delta R.T. -0.012 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11



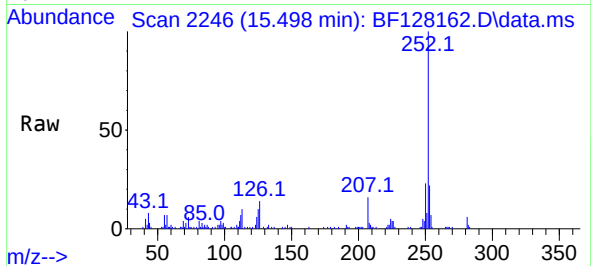
Tgt Ion:252 Resp: 36844  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.4 26.2  
125 10.7 7.4 11.2





#90  
Benzo(a)pyrene  
Concen: 3.140 ng  
RT: 15.498 min Scan# 211  
Delta R.T. -0.012 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11

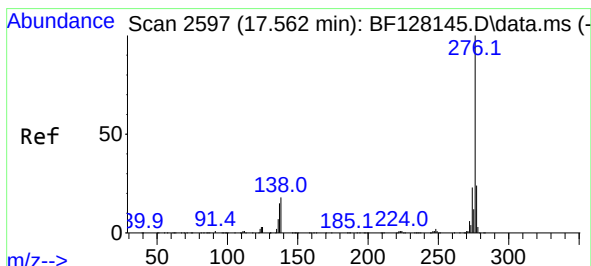
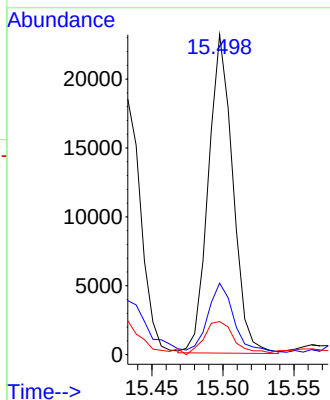
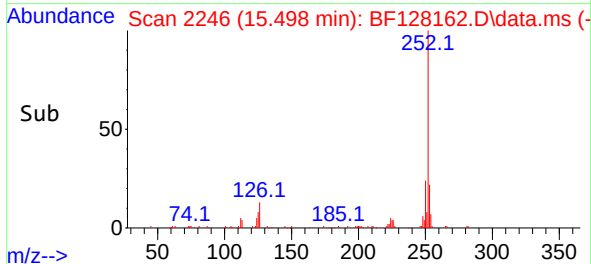
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-210



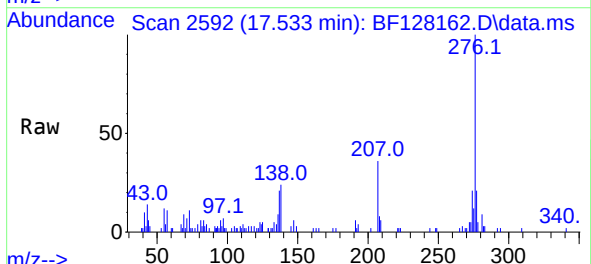
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 2771 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 22.4  | 17.8  | 26.6 |
| 125       | 10.4  | 9.2   | 13.8 |

Manual Integrations  
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Reviewed By :Christian Giraldo 05/11/2022  
Supervised By :Jagrut Upadhyay 05/11/2022



#92  
Benzo(g,h,i)perylene  
Concen: 2.608 ng  
RT: 17.533 min Scan# 2592  
Delta R.T. -0.030 min  
Lab File: BF128162.D  
Acq: 10 May 2022 16:11



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 22800 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 20.9  | 18.8  | 28.2  |
| 138       | 23.9  | 16.2  | 24.2  |

