

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110320\  
 Data File : BF122255.D  
 Acq On : 3 Nov 2020 22:38  
 Operator : JU/CG  
 Sample : L4608-01 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OIL-1

Manual Integrations  
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mohammad  
 11/4/2020 11:01:10 AM

Quant Time: Nov 04 01:08:41 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 30 10:16:54 2020  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.710  | 152  | 74442    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.992  | 136  | 322373   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.745  | 164  | 145310   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.239 | 188  | 219541   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.886 | 240  | 197112   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.327 | 264  | 207887   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.528  | 112  | 1298m    | 0.26  | ng    | 0.19     |
| 7) Phenol-d6                | 6.563  | 99   | 6010m    | 0.93  | ng    | 0.19     |
| 23) Nitrobenzene-d5         | 7.363  | 82   | 4838m    | 0.77  | ng    | 0.08     |
| 42) 2,4,6-Tribromophenol    | 10.563 | 330  | 902      | 0.50  | ng    | 0.02     |
| 45) 2-Fluorobiphenyl        | 9.075  | 172  | 10445    | 1.06  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.821 | 244  | 11160    | 1.08  | ng    | 0.00     |
| Target Compounds            |        |      |          |       |       |          |
| 71) Phenanthrene            | 11.269 | 178  | 34742    | 2.89  | ng    | # 72     |
| -----                       |        |      |          |       |       |          |

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

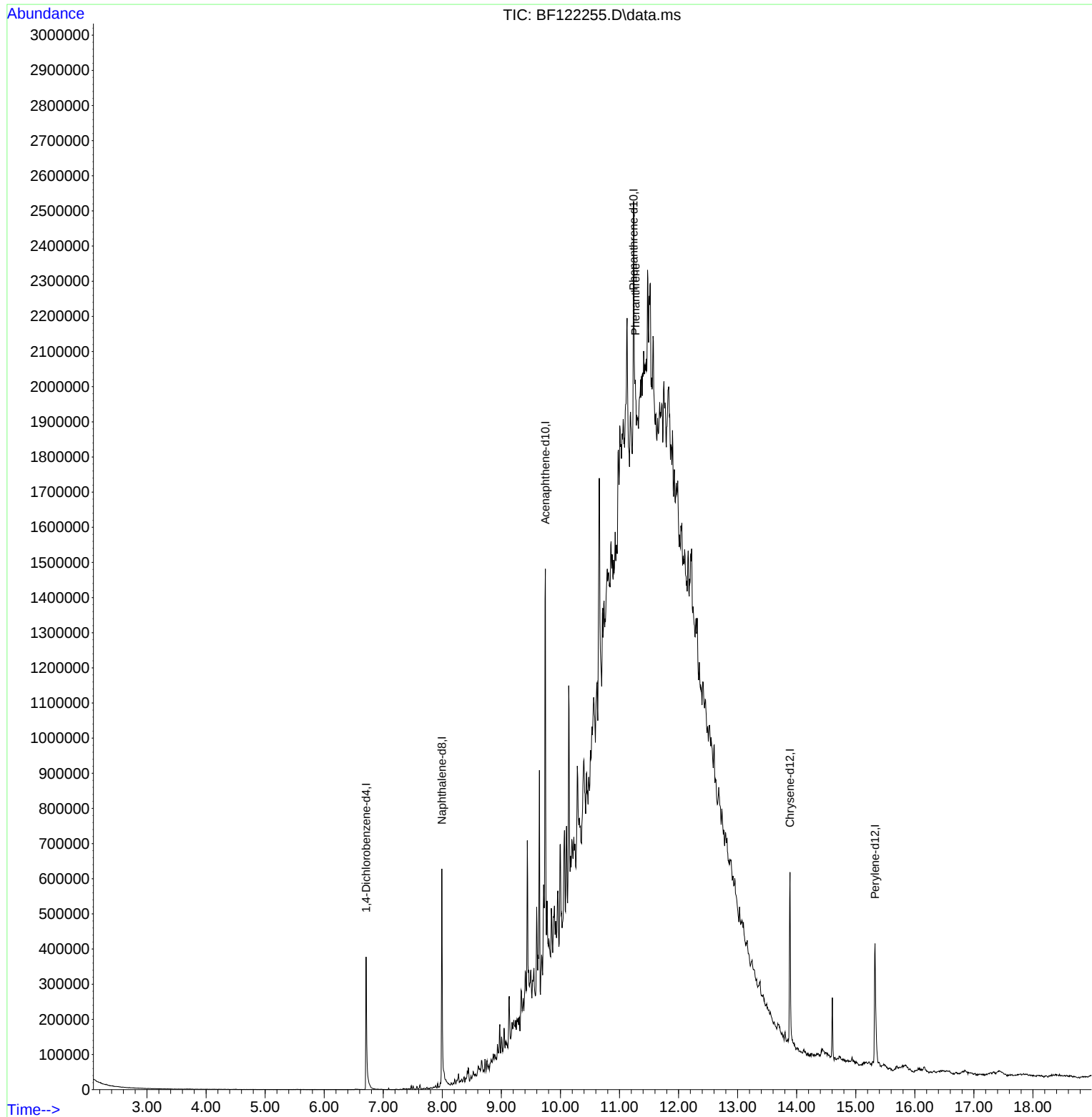
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110320\  
Data File : BF122255.D  
Acq On : 3 Nov 2020 22:38  
Operator : JU/CG  
Sample : L4608-01 10X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

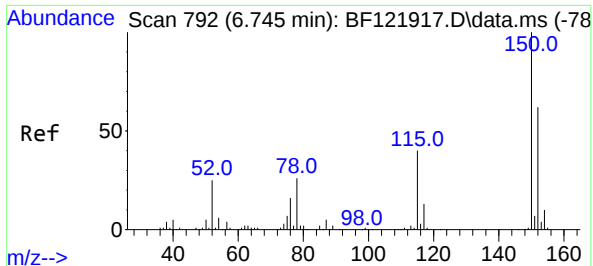
Instrument :  
BNA\_F  
ClientSampled :  
OIL-1

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Quant Time: Nov 04 01:08:41 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 30 10:16:54 2020  
Response via : Initial Calibration





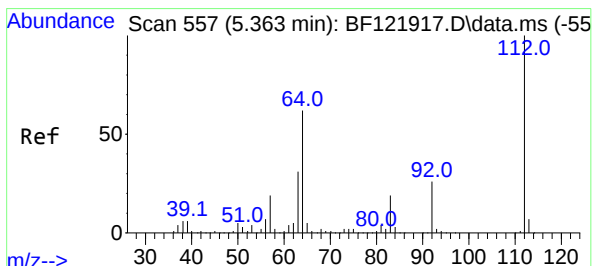
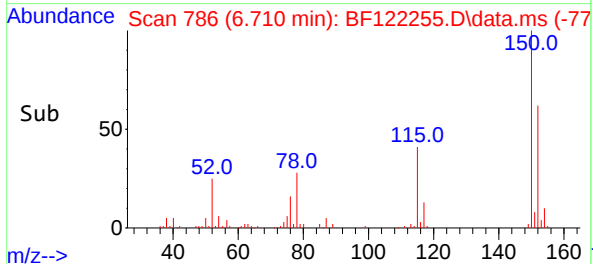
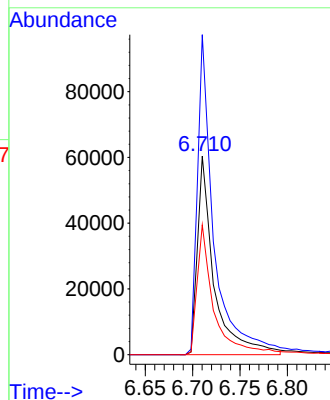
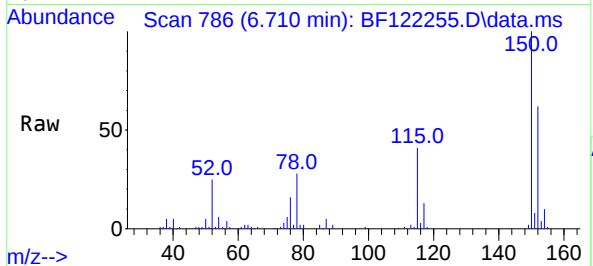
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.710 min Scan# 786  
Delta R.T. -0.006 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38

Tgt Ion:152 Resp: 74442  
Ion Ratio Lower Upper  
152 100  
150 161.1 125.3 187.9  
115 65.4 51.9 77.9

Instrument :  
BNA\_F  
ClientSampled :  
OIL-1

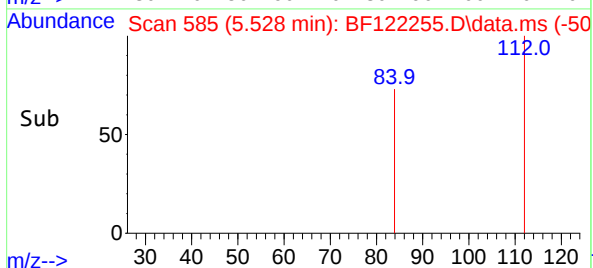
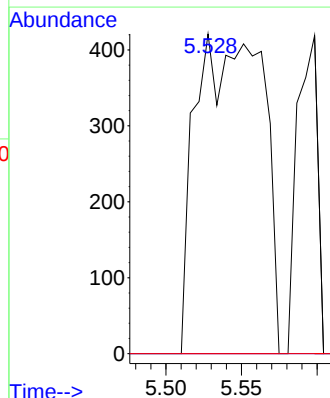
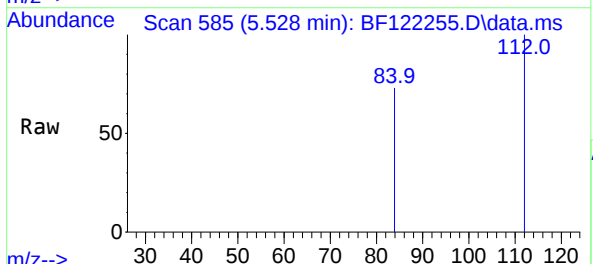
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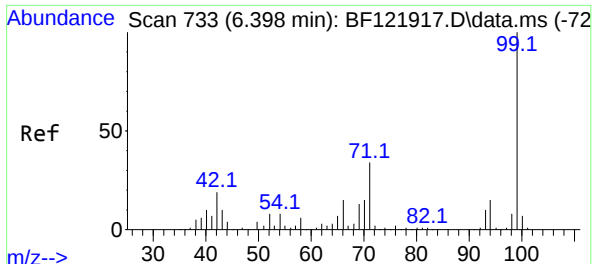
mohammad  
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#5  
2-Fluorophenol  
Concen: 0.26 ng m  
RT: 5.528 min Scan# 585  
Delta R.T. 0.194 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38

Tgt Ion:112 Resp: 1298  
Ion Ratio Lower Upper  
112 100  
64 0.0 50.4 75.6#  
63 0.0 25.8 38.6#





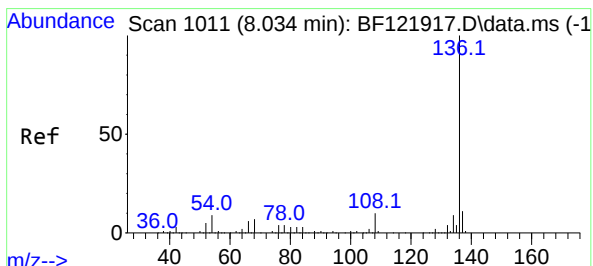
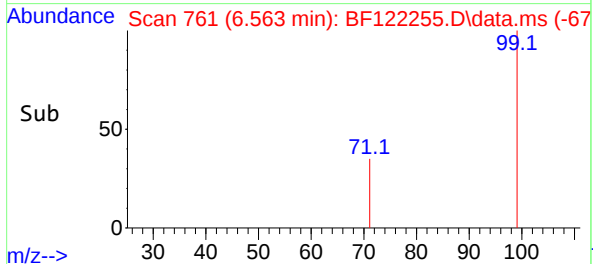
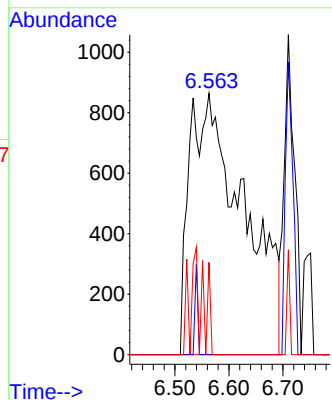
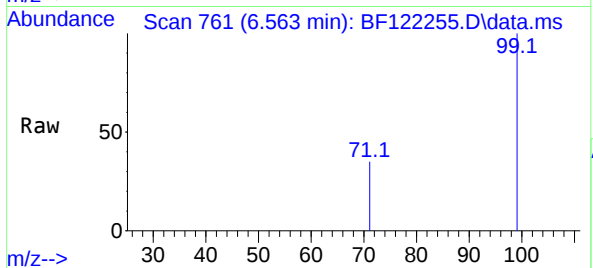
#7  
Phenol-d6  
Concen: 0.93 ng m  
RT: 6.563 min Scan# 761  
Delta R.T. 0.194 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38

Tgt Ion: 99 Resp: 6010  
Ion Ratio Lower Upper  
99 100  
42 0.0 15.9 23.9#  
71 35.3 27.1 40.7

Instrument :  
BNA\_F  
ClientSampleId :  
OIL-1

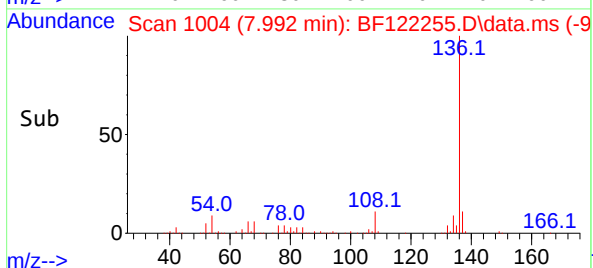
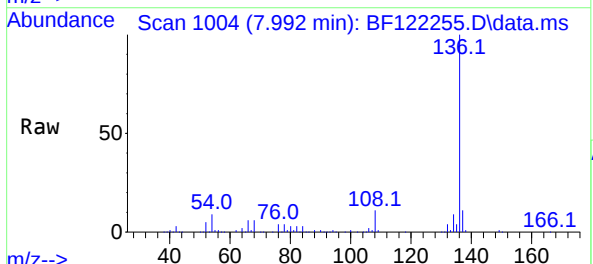
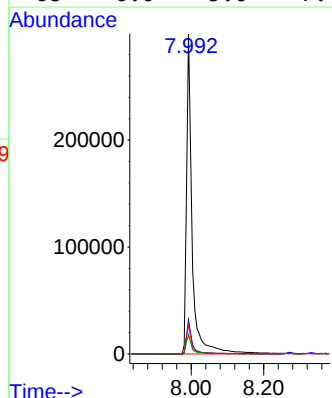
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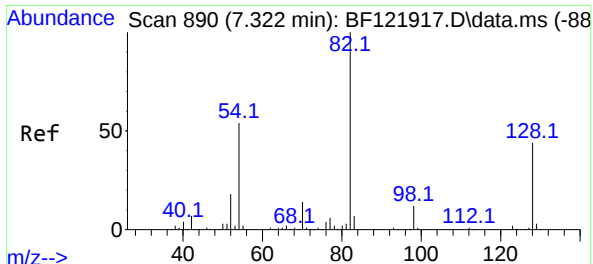
mohammad  
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#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.992 min Scan# 1004  
Delta R.T. -0.006 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38

Tgt Ion: 136 Resp: 322373  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 13.0  
54 8.9 7.1 10.7  
68 6.0 5.0 7.4





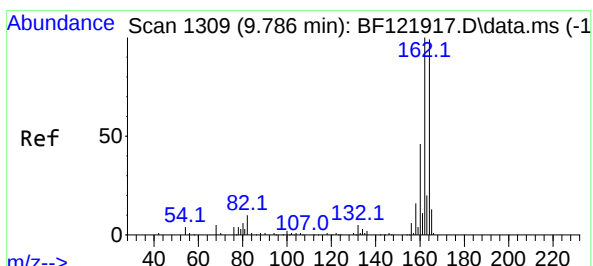
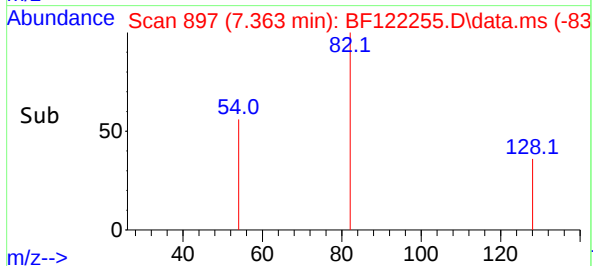
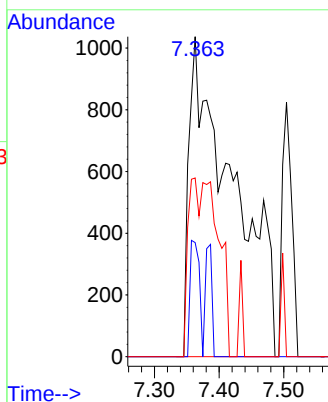
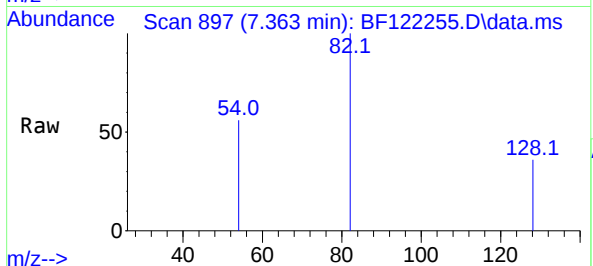
#23  
Nitrobenzene-d5  
Concen: 0.77 ng m  
RT: 7.363 min Scan# 897  
Delta R.T. 0.076 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38

Tgt Ion: 82 Resp: 4838  
Ion Ratio Lower Upper  
82 100  
128 35.7 35.0 52.4  
54 55.8 43.9 65.9

Instrument :  
BNA\_F  
ClientSampled :  
OIL-1

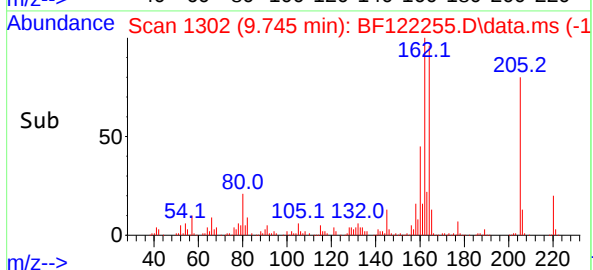
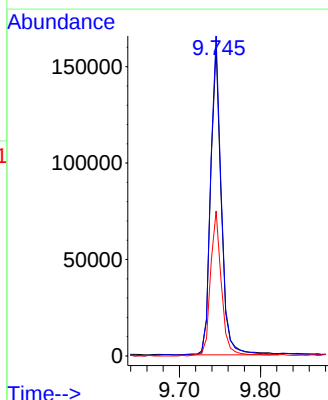
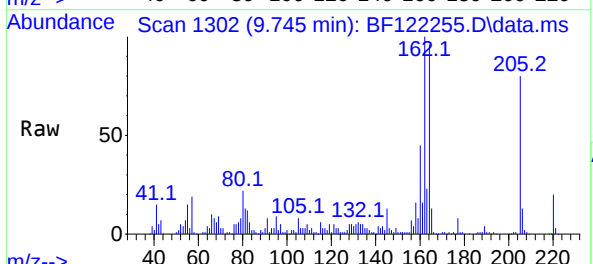
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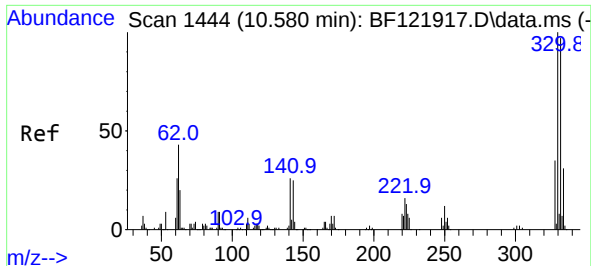
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#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.745 min Scan# 1302  
Delta R.T. -0.006 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38

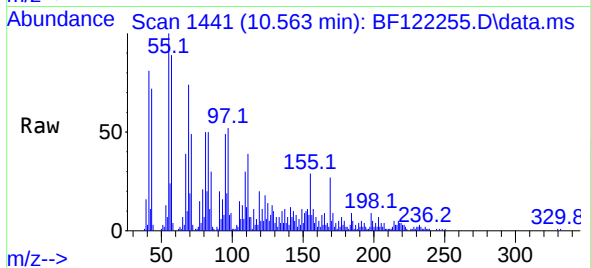
Tgt Ion:164 Resp: 145310  
Ion Ratio Lower Upper  
164 100  
162 103.8 83.2 124.8  
160 47.0 37.5 56.3





#42  
2,4,6-Tribromophenol  
Concen: 0.50 ng  
RT: 10.563 min Scan# 1441  
Delta R.T. 0.018 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38

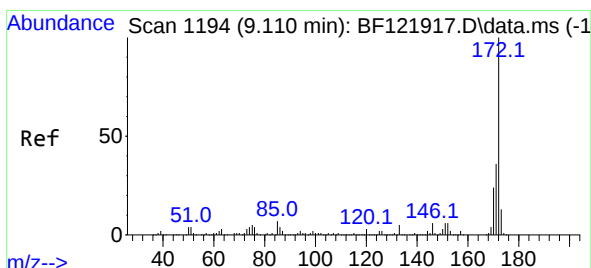
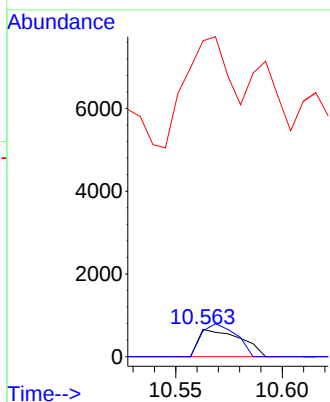
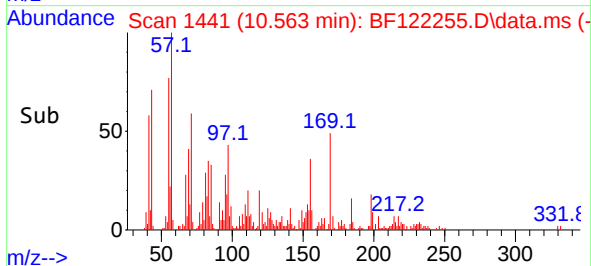
Instrument :  
BNA\_F  
ClientSampleId :  
OIL-1



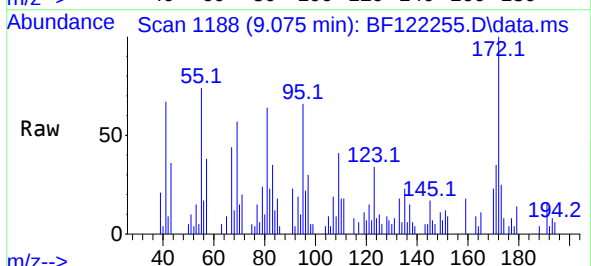
Tgt Ion:330 Resp: 902  
Ion Ratio Lower Upper  
330 100  
332 99.4 77.3 115.9  
141 442.0 22.3 33.5#

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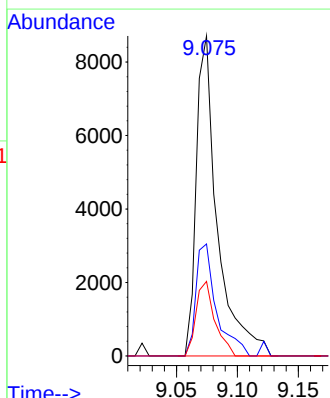
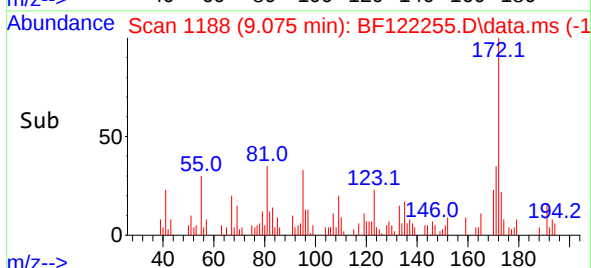
mohammad  
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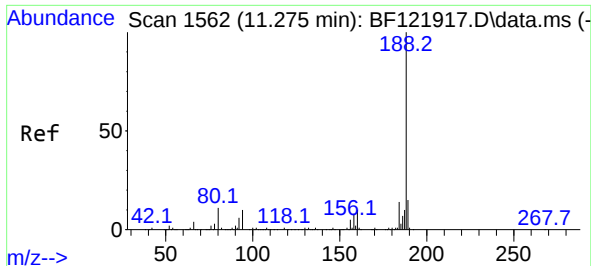


#45  
2-Fluorobiphenyl  
Concen: 1.06 ng  
RT: 9.075 min Scan# 1188  
Delta R.T. -0.000 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38

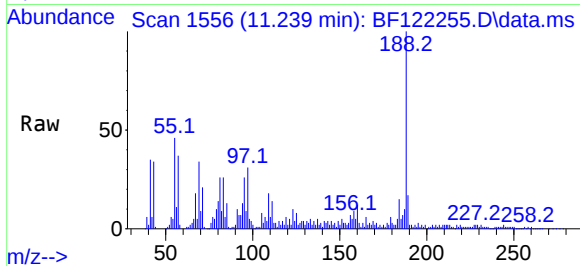


Tgt Ion:172 Resp: 10445  
Ion Ratio Lower Upper  
172 100  
171 35.0 29.1 43.7  
170 23.3 19.8 29.6

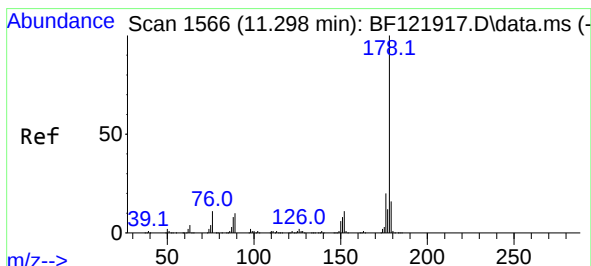
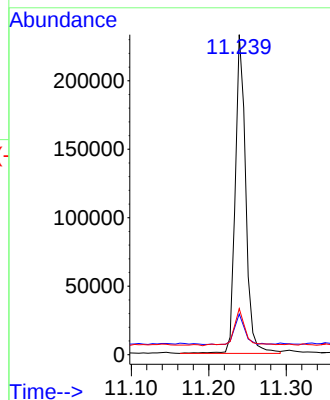
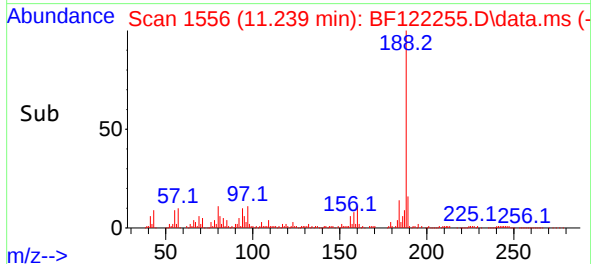




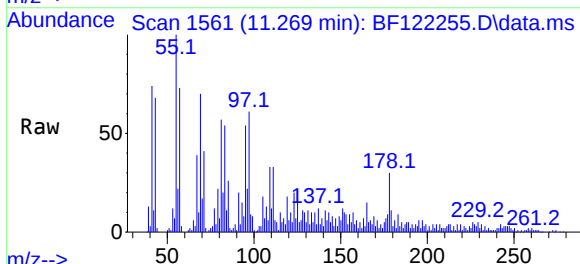
#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.239 min Scan# 1556  
Delta R.T. 0.006 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38



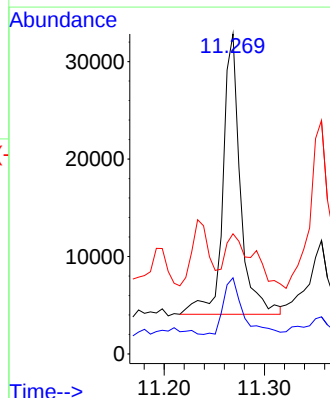
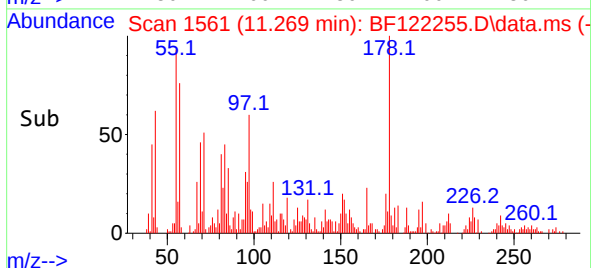
Tgt Ion:188 Resp: 219541  
Ion Ratio Lower Upper  
188 100  
94 12.7 8.3 12.5#  
80 14.4 9.1 13.7#



#71  
Phenanthrene  
Concen: 2.89 ng  
RT: 11.269 min Scan# 1561  
Delta R.T. 0.006 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38



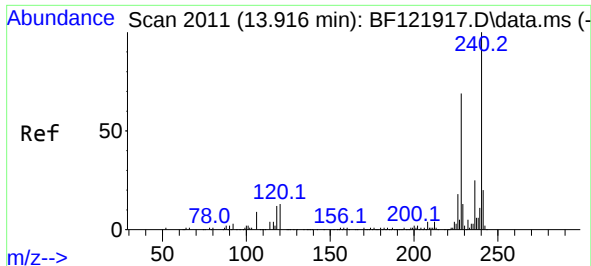
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Ion Ratio Lower Upper  
178 100  
176 23.8 15.9 23.9  
179 37.5 12.2 18.4#



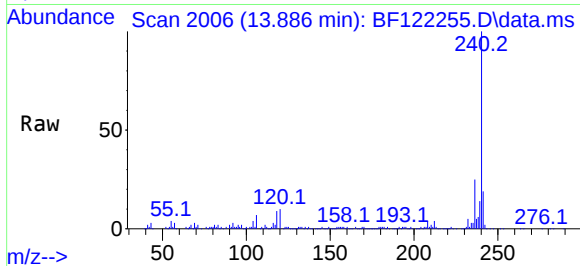
Instrument :  
BNA\_F  
ClientSampleId :  
OIL-1

Manual Integrations  
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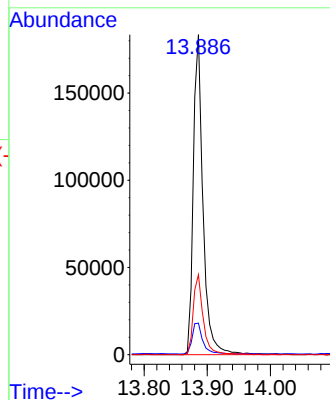
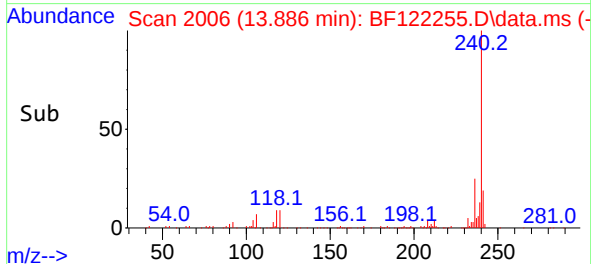
mohammad  
11/4/2020 11:01:10 AM



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.886 min Scan# 2006  
Delta R.T. 0.006 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38



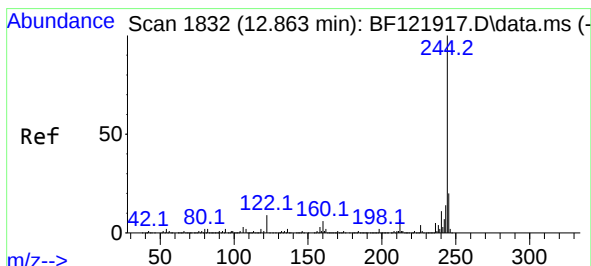
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Ion Ratio Lower Upper  
240 100  
120 9.9 9.2 13.8  
236 25.0 20.9 31.3



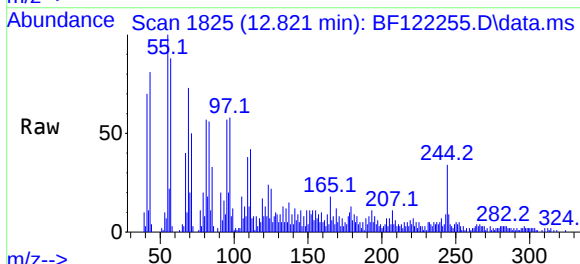
Instrument :  
BNA\_F  
ClientSampled :  
OIL-1

Manual Integrations  
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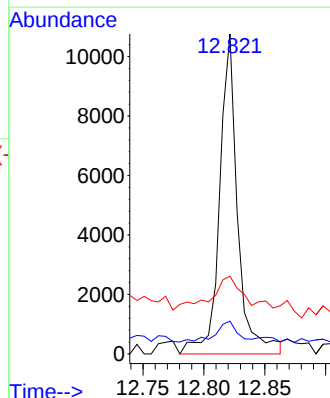
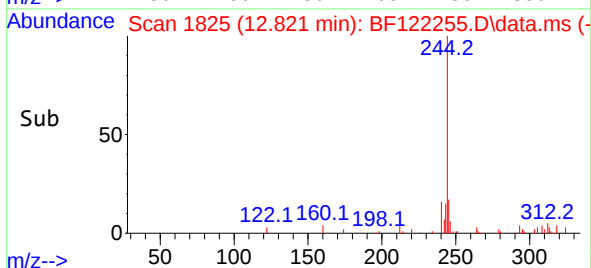
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11/4/2020 11:01:10 AM

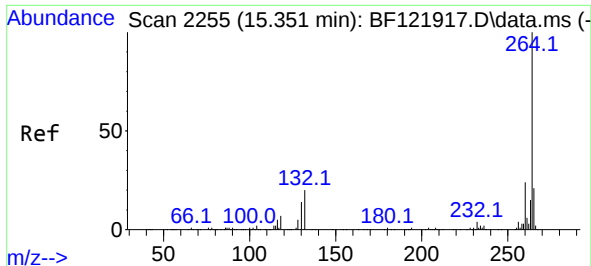


#79  
Terphenyl-d14  
Concen: 1.08 ng  
RT: 12.821 min Scan# 1825  
Delta R.T. 0.006 min  
Lab File: BF122255.D  
Acq: 3 Nov 2020 22:38



Tgt Ion:244 Resp: 11160  
Ion Ratio Lower Upper  
244 100  
212 10.2 5.4 8.2#  
122 24.3 8.1 12.1#





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.327 min Scan# 2251  
 Delta R.T. 0.023 min  
 Lab File: BF122255.D  
 Acq: 3 Nov 2020 22:38

Tgt Ion:264 Resp: 207887  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 18.7  | 28.1  |
| 265 | 20.7  | 17.3  | 25.9  |

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OIL-1

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 11/4/2020 11:01:10 AM

