

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF040119\  
 Data File : BF113480.D  
 Acq On : 1 Apr 2019 21:39  
 Operator : JU/SJ  
 Sample : K1689-05 10X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-08-032919-B

Quant Time: Apr 02 03:28:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.71  | 152  | 143384   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 585907   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.74  | 164  | 275909   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.22 | 188  | 485101   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.85 | 240  | 383004   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.26 | 264  | 260307   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 58268    | 6.64  | ng    | 0.01     |
| 7) Phenol-d6                | 6.36  | 99   | 88492    | 7.98  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 44147    | 4.47  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.53 | 330  | 22681    | 6.66  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 0.00  | 172  | 0d       | 0.00  | ng    |          |
| 79) Terphenyl-d14           | 12.80 | 244  | 120388   | 6.93  | ng    | 0.00     |

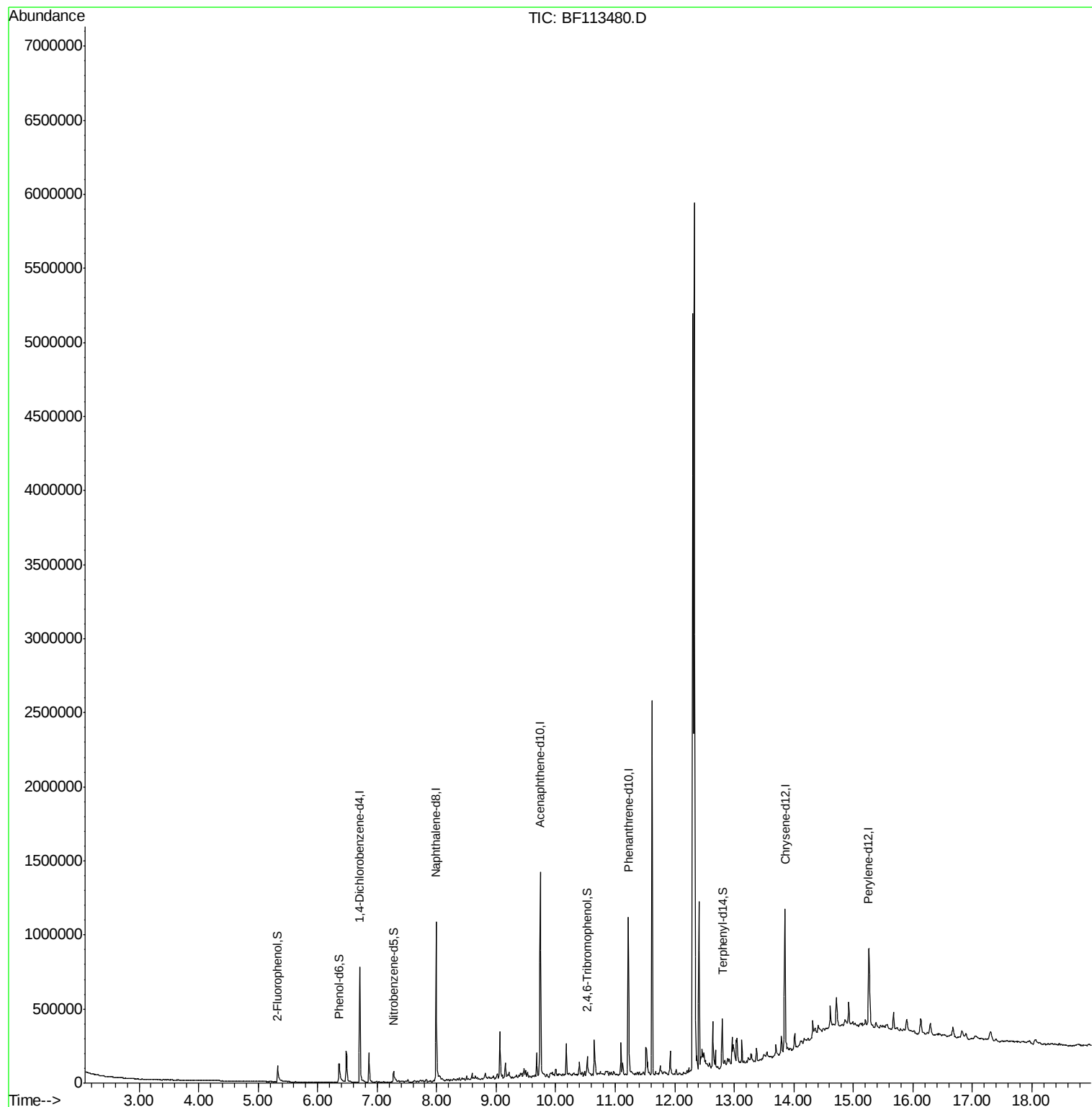
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

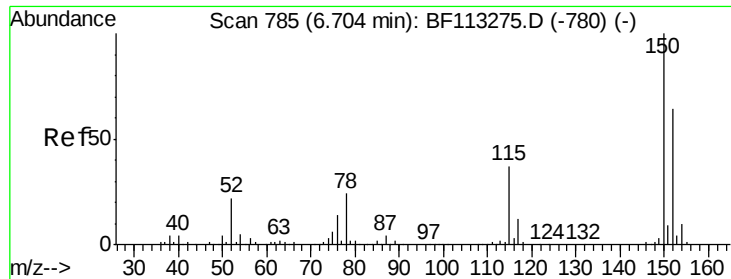
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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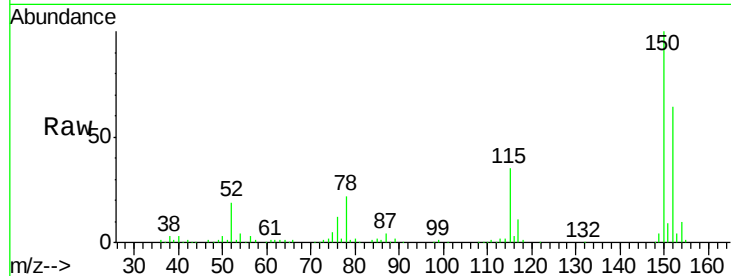


#1

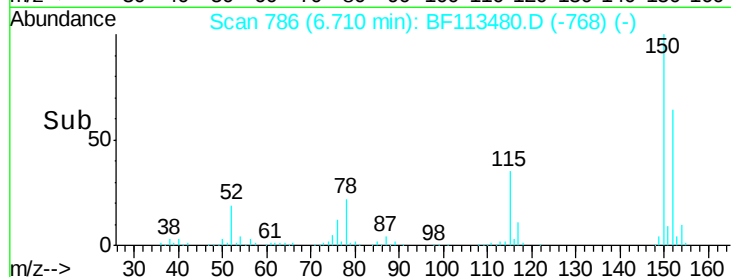
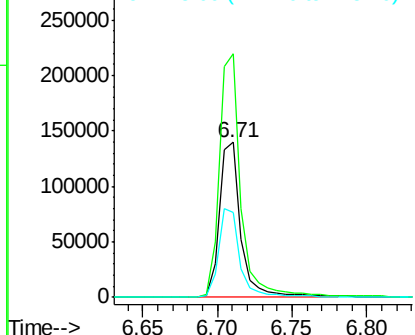
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.71 min Scan# 786  
Delta R.T. 0.01 min  
Lab File: BF113480.D  
Acq: 1 Apr 2019 21:39

Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-032919-B

Tgt Ion:152 Resp: 143384  
Ion Ratio Lower Upper  
152 100  
150 156.8 124.7 187.1  
115 54.9 46.0 69.0



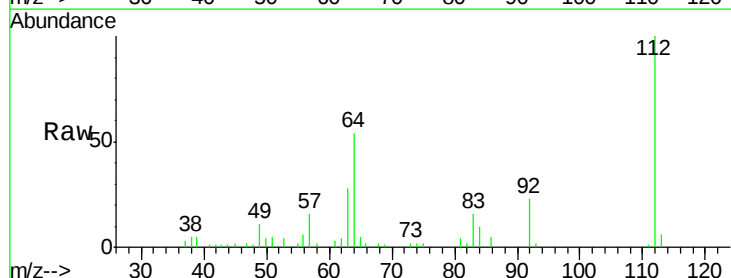
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



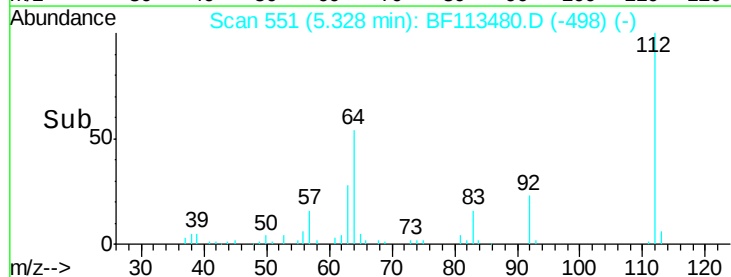
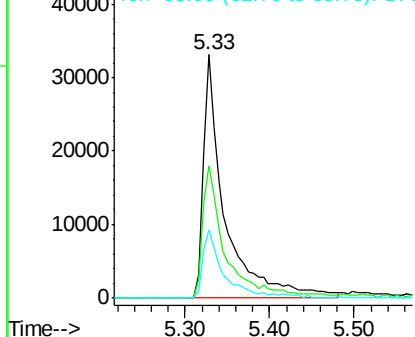
#5

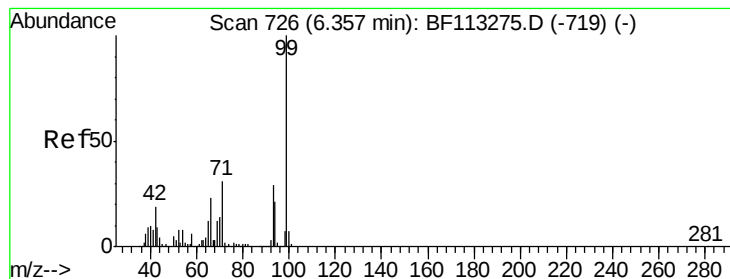
2-Fluorophenol  
Concen: 6.645 ng  
RT: 5.33 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: BF113480.D  
Acq: 1 Apr 2019 21:39

Tgt Ion:112 Resp: 58268  
Ion Ratio Lower Upper  
112 100  
64 54.3 49.2 73.8  
63 27.9 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 7.977 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF113480.D

Acq: 1 Apr 2019 21:39

Instrument :

BNA\_F

ClientSampleId :

NB-08-032919-B

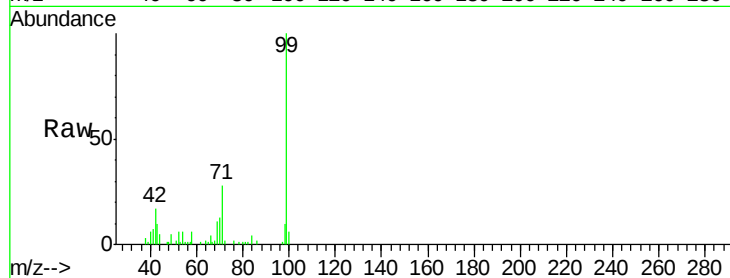
Tgt Ion: 99 Resp: 88492

Ion Ratio Lower Upper

99 100

42 17.3 14.8 22.2

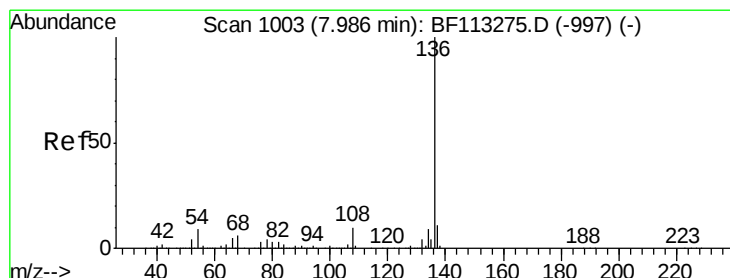
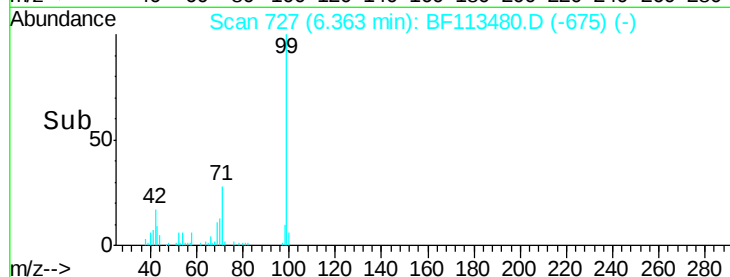
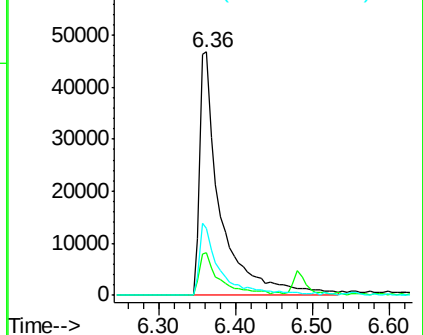
71 27.8 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BF113480.D

Acq: 1 Apr 2019 21:39

Tgt Ion: 136 Resp: 585907

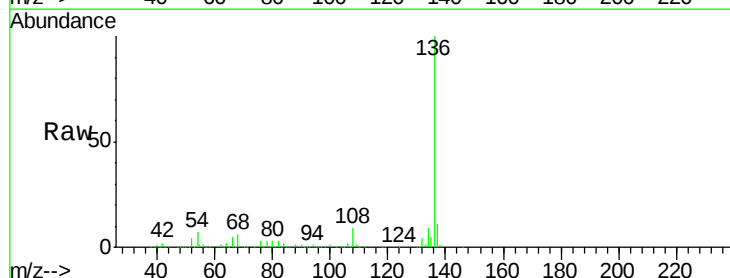
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.4 7.0 10.6

68 5.7 4.8 7.2

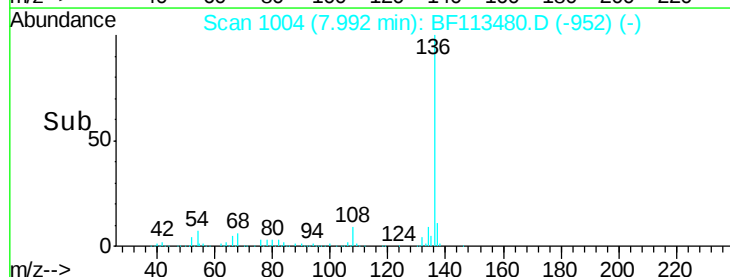
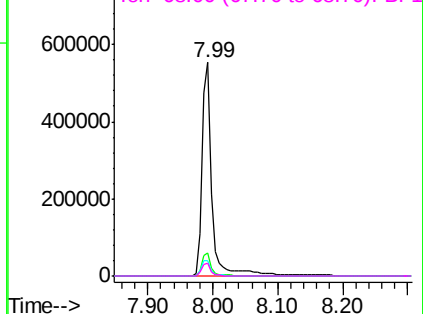


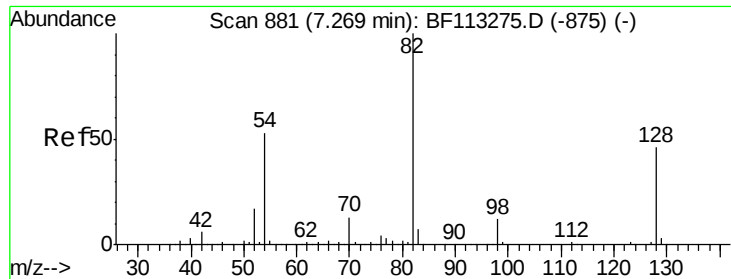
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

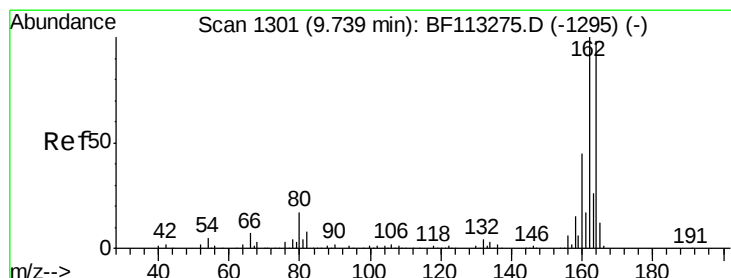
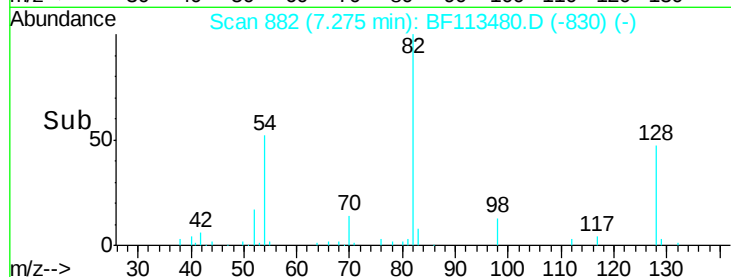
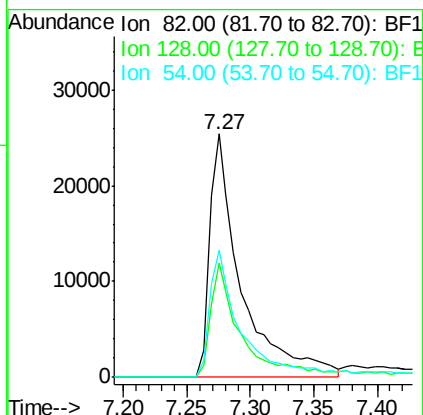
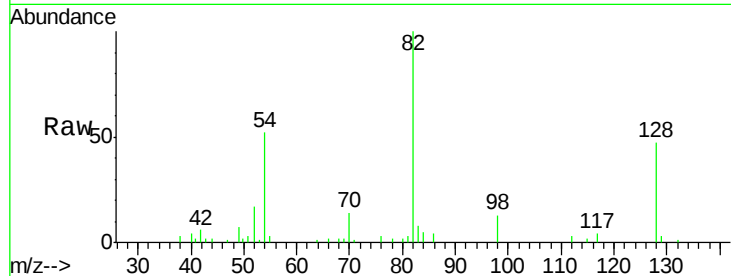




#23  
 Nitrobenzene-d5  
 Concen: 4.472 ng  
 RT: 7.27 min Scan# 882  
 Delta R.T. 0.01 min  
 Lab File: BF113480.D  
 Acq: 1 Apr 2019 21:39

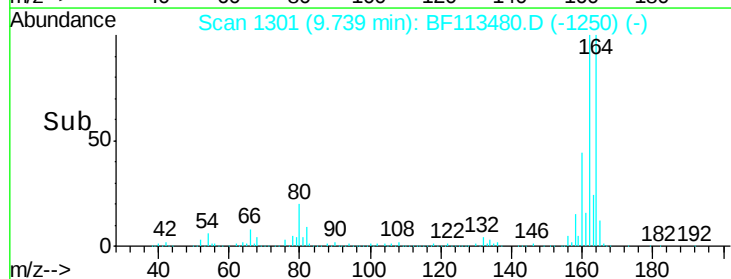
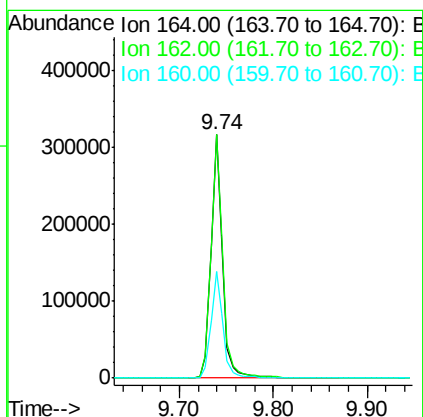
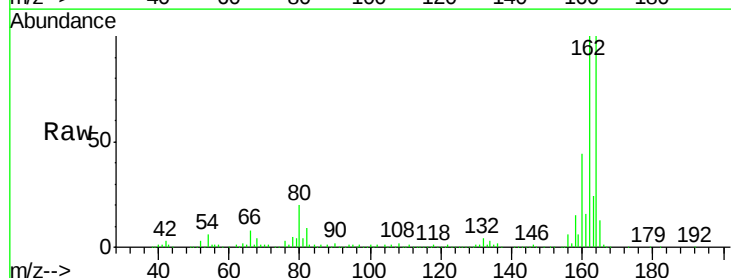
Instrument :  
 BNA\_F  
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 NB-08-032919-B

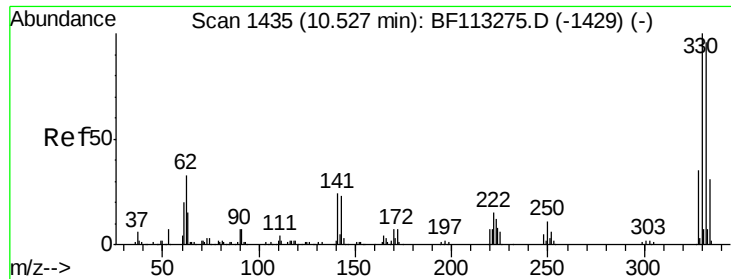
Tgt Ion: 82 Resp: 44147  
 Ion Ratio Lower Upper  
 82 100  
 128 46.8 36.5 54.7  
 54 52.1 42.2 63.2



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.74 min Scan# 1301  
 Delta R.T. 0.00 min  
 Lab File: BF113480.D  
 Acq: 1 Apr 2019 21:39

Tgt Ion: 164 Resp: 275909  
 Ion Ratio Lower Upper  
 164 100  
 162 99.8 81.8 122.6  
 160 44.0 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 6.655 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.01 min

Lab File: BF113480.D

Acq: 1 Apr 2019 21:39

Instrument :

BNA\_F

ClientSampleId :

NB-08-032919-B

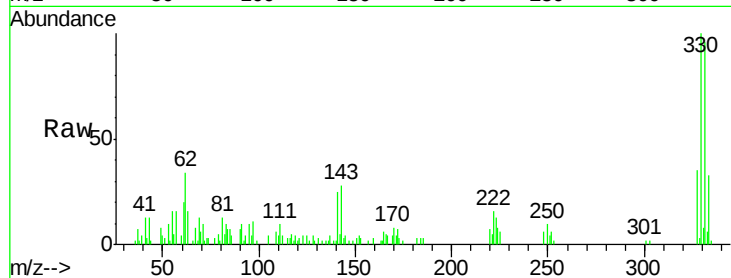
Tgt Ion:330 Resp: 22681

Ion Ratio Lower Upper

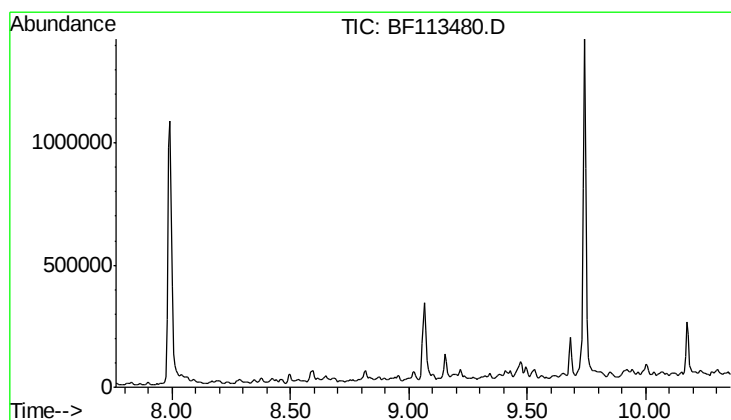
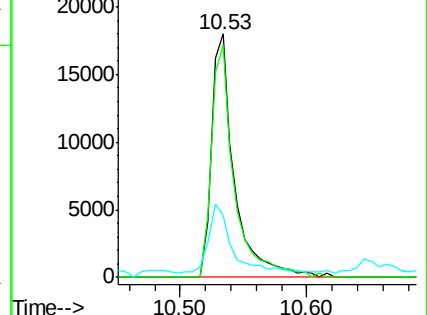
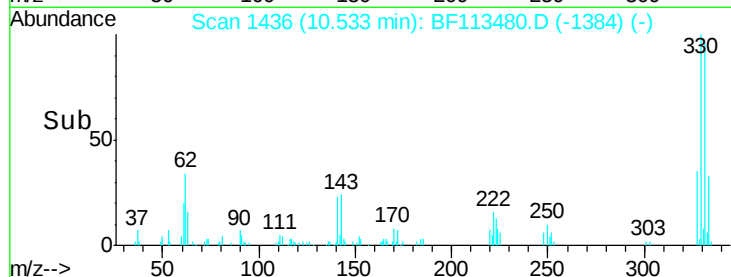
330 100

332 95.7 77.8 116.6

141 29.6 22.7 34.1



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.06 min

Lab File: BF113480.D

Acq: 1 Apr 2019 21:39

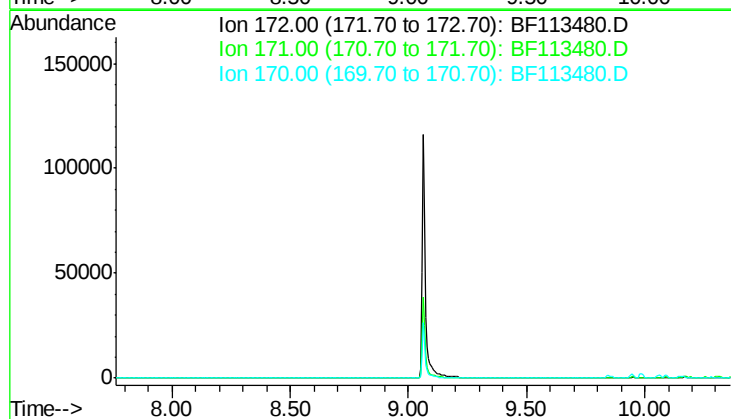
Tgt Ion: 172

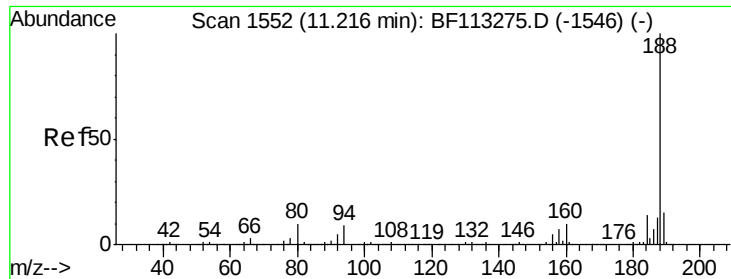
Sig Exp Ratio

172 100

171 36.3

170 24.4

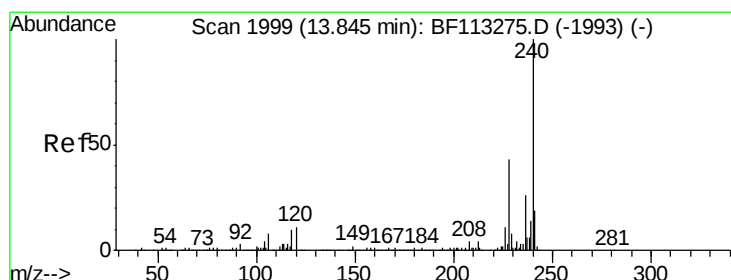
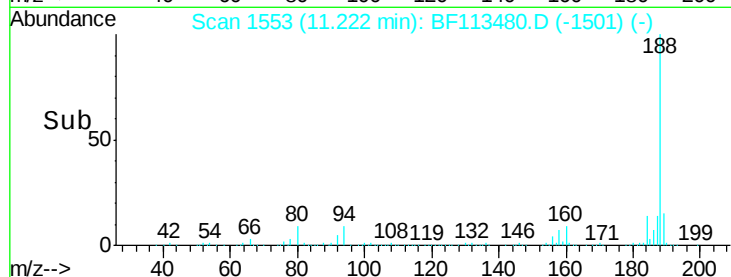
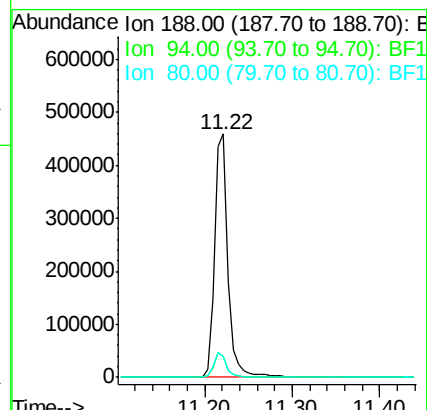
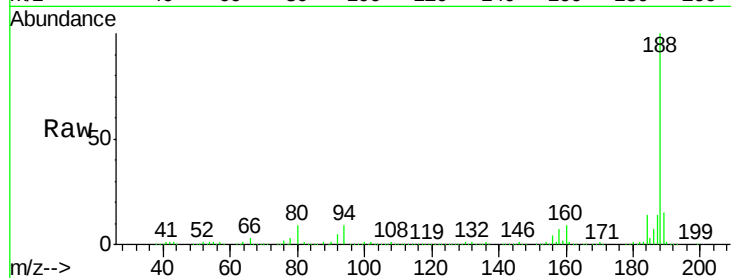




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.22 min Scan# 1553  
Delta R.T. 0.01 min  
Lab File: BF113480.D  
Acq: 1 Apr 2019 21:39

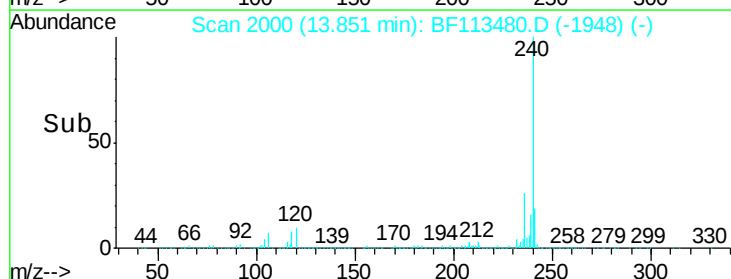
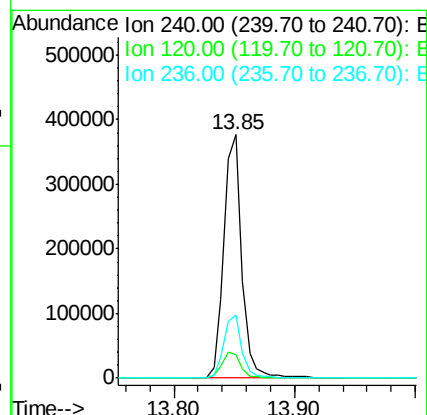
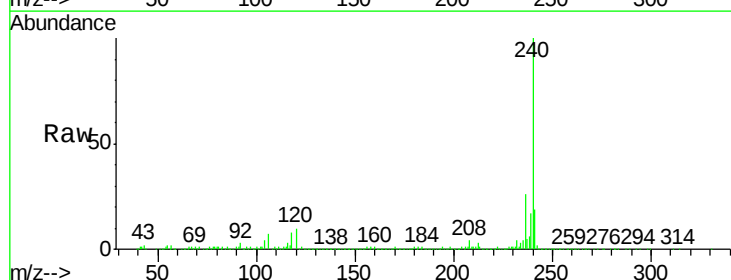
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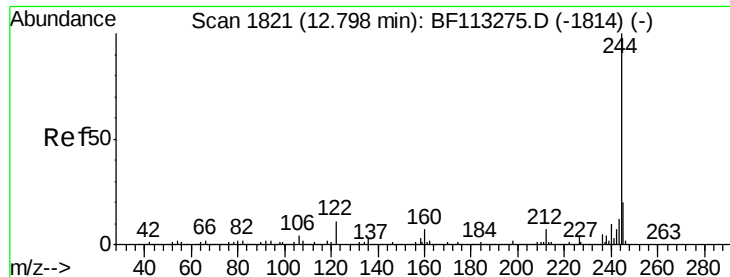
Tgt Ion:188 Resp: 485101  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.0 10.6  
80 8.5 7.7 11.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.85 min Scan# 2000  
Delta R.T. 0.01 min  
Lab File: BF113480.D  
Acq: 1 Apr 2019 21:39

Tgt Ion:240 Resp: 383004  
Ion Ratio Lower Upper  
240 100  
120 9.8 8.8 13.2  
236 26.0 20.9 31.3





#79

Terphenyl-d14

Concen: 6.928 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF113480.D

Acq: 1 Apr 2019 21:39

Instrument :

BNA\_F

ClientSampleId :

NB-08-032919-B

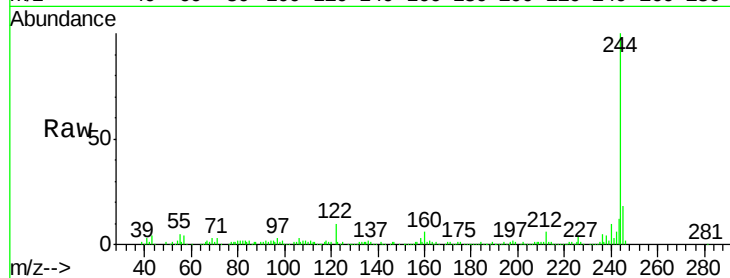
Tgt Ion:244 Resp: 120388

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

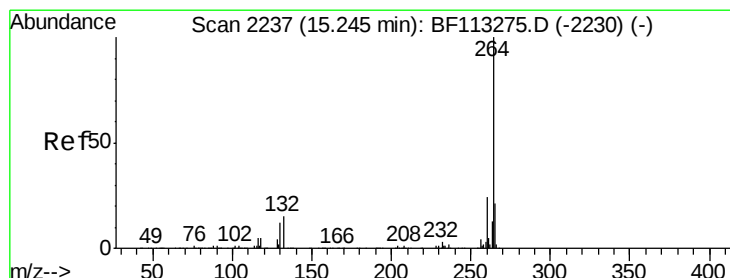
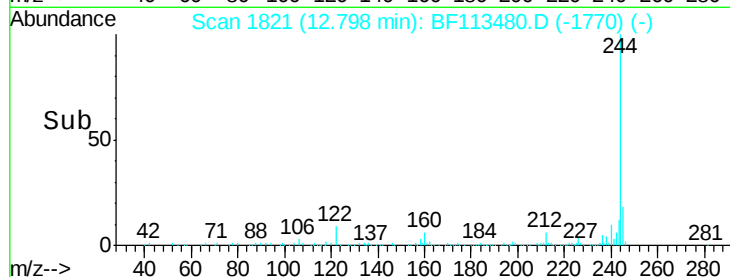
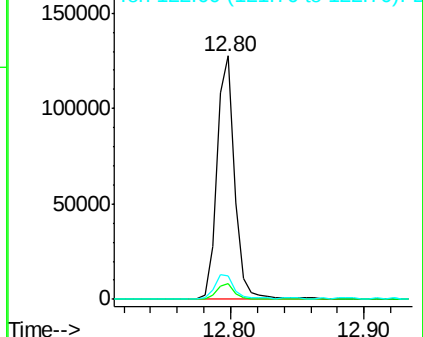
122 9.5 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF113480.D

Acq: 1 Apr 2019 21:39

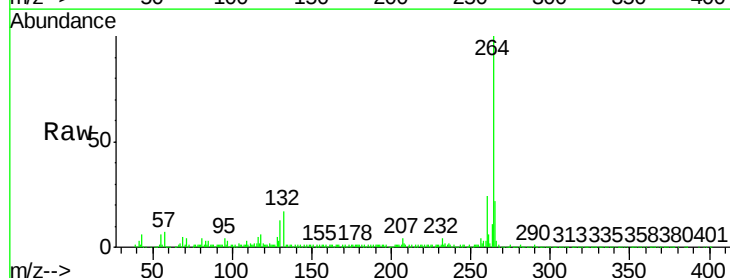
Tgt Ion:264 Resp: 260307

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 22.0 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

