

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\  
 Data File : BF094035.D  
 Acq On : 29 Mar 2017 22:56  
 Operator : SJ/MA  
 Sample : I2382-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PX-11

Quant Time: Mar 30 04:22:27 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 27 16:10:49 2017  
 Response via : Initial Calibration

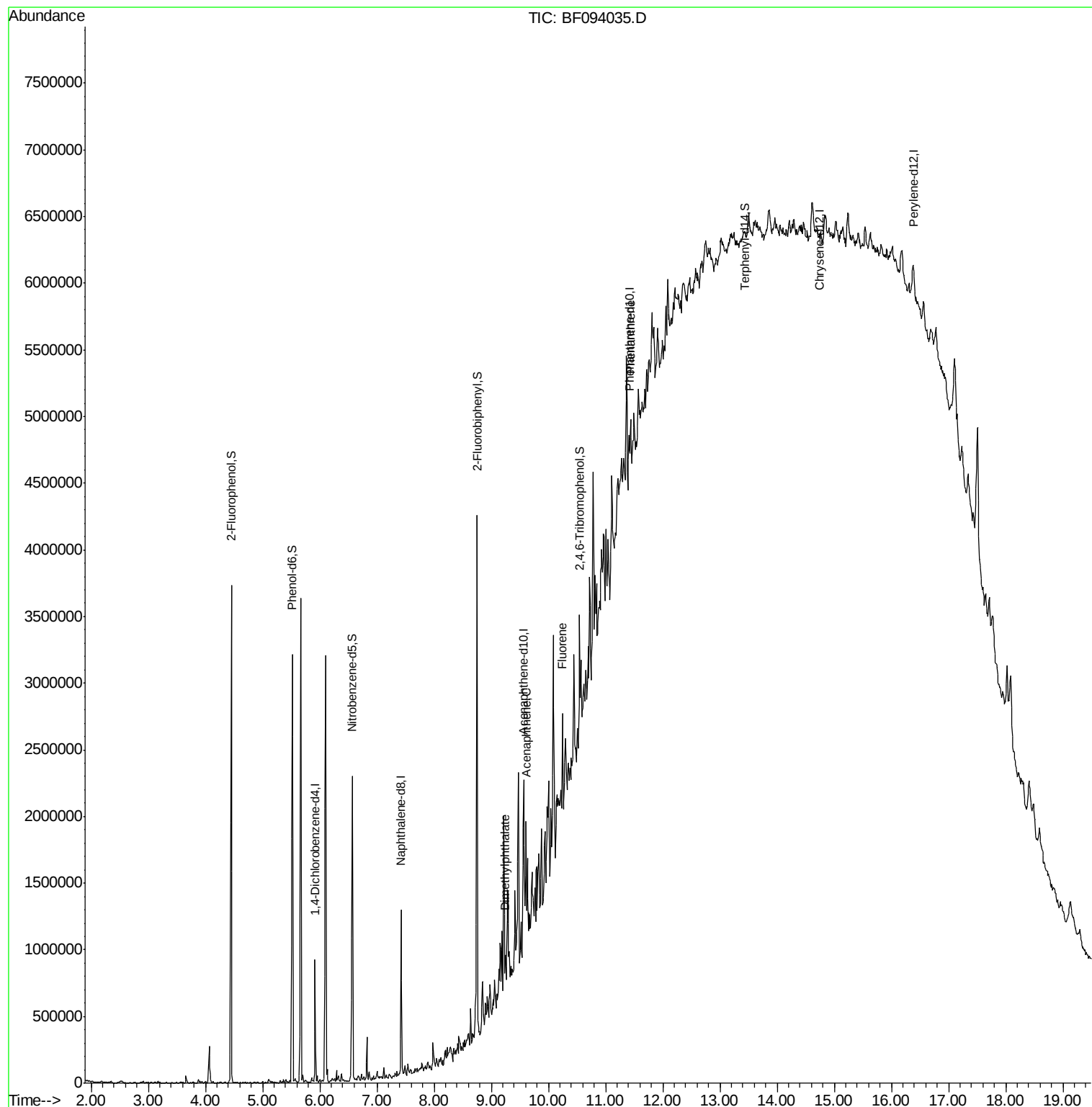
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.92  | 152  | 148081   | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 7.42  | 136  | 555289   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 9.57  | 164  | 204522   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.41 | 188  | 228934   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.73 | 240  | 88385    | 20.00  | ng    | 0.05     |
| 86) Perylene-d12            | 16.39 | 264  | 77923    | 20.00  | ng    | 0.08     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.45  | 112  | 1218822  | 139.02 | ng    | -0.02    |
| 7) Phenol-d6                | 5.52  | 99   | 1551080  | 143.01 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 6.57  | 82   | 934314   | 96.02  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 226729   | 140.29 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 8.75  | 172  | 1449562  | 108.10 | ng    | -0.03    |
| 78) Terphenyl-d14           | 13.43 | 244  | 393319   | 99.75  | ng    | 0.03     |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.25  | 163  | 84235    | 5.79   | ng    | # 98     |
| 51) Acenaphthene            | 9.60  | 154  | 152446   | 12.17  | ng    | # 99     |
| 57) Fluorene                | 10.25 | 166  | 59512    | 4.21   | ng    | # 81     |
| 70) Phenanthrene            | 11.44 | 178  | 197048   | 15.47  | ng    | # 93     |

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

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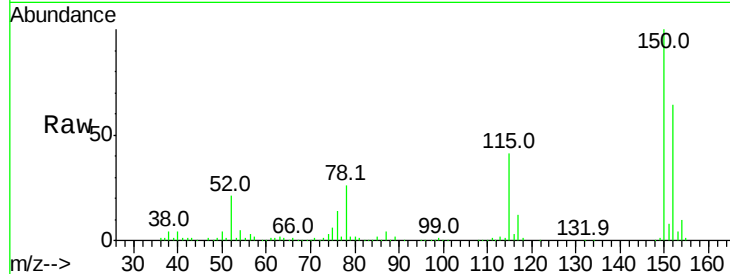


#1

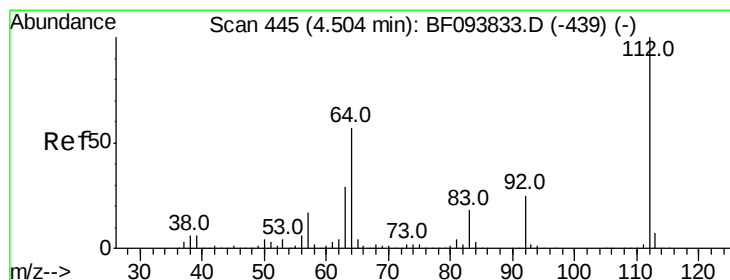
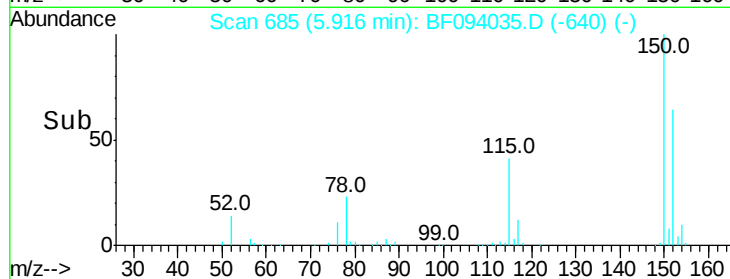
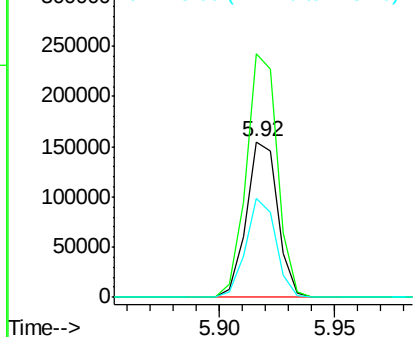
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.92 min Scan# 685  
Delta R.T. -0.04 min  
Lab File: BF094035.D  
Acq: 29 Mar 2017 22:56

Instrument :  
BNA\_F  
ClientSampleId :  
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Tot Ion:152 Resp: 148081  
Ion Ratio Lower Upper  
152 100  
150 156.4 126.2 189.2  
115 63.9 52.2 78.2



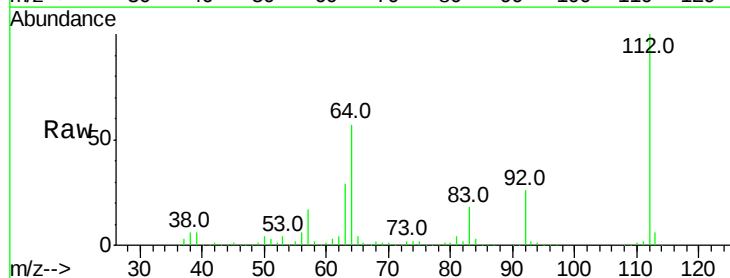
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



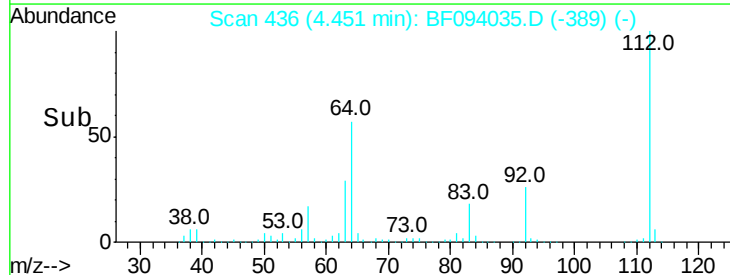
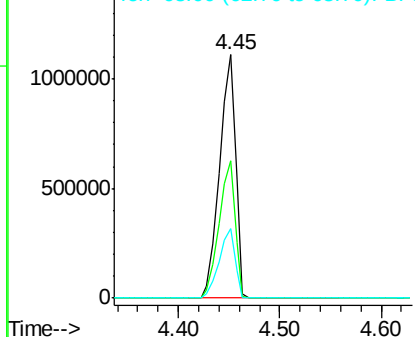
#5

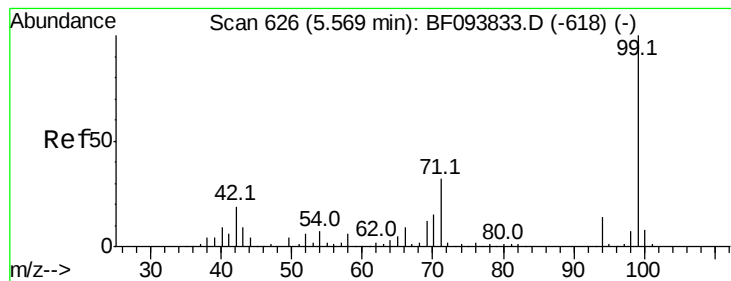
2-Fluorophenol  
Concen: 139.02 ng  
RT: 4.45 min Scan# 436  
Delta R.T. -0.02 min  
Lab File: BF094035.D  
Acq: 29 Mar 2017 22:56

Tgt Ion:112 Resp: 1218822  
Ion Ratio Lower Upper  
112 100  
64 56.7 46.0 69.0  
63 28.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.01 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF094035.D

Acq: 29 Mar 2017 22:56

Instrument :

BNA\_F

ClientSampleId :

PX-11

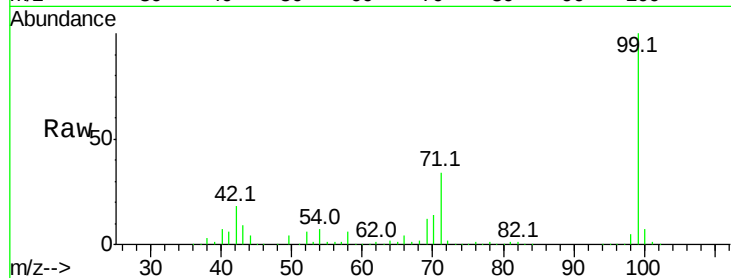
Tot Ion: 99 Resp: 1551080

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

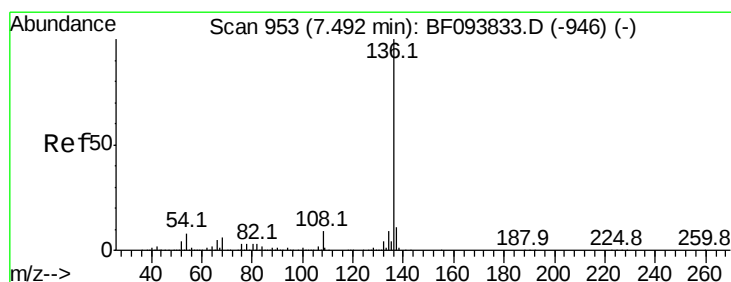
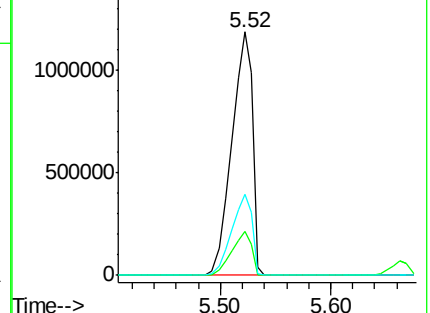
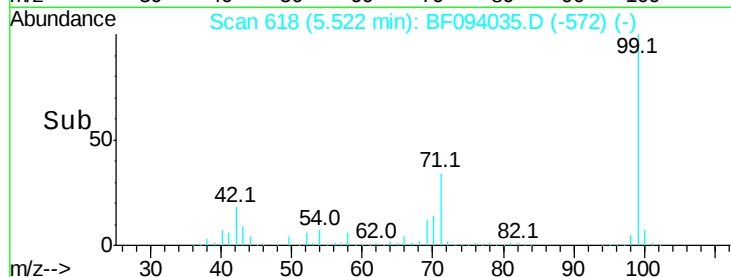
71 33.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.42 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF094035.D

Acq: 29 Mar 2017 22:56

Tgt Ion:136 Resp: 555289

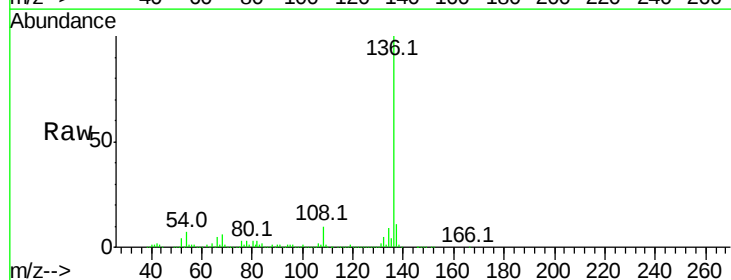
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.4 4.9 7.3#

68 6.1 4.1 6.1

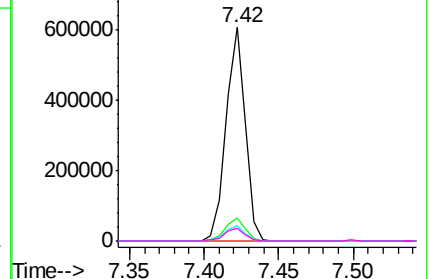
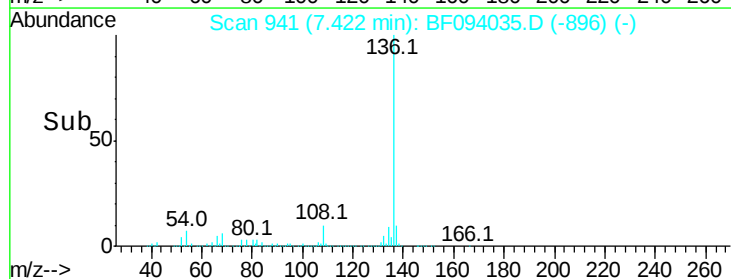


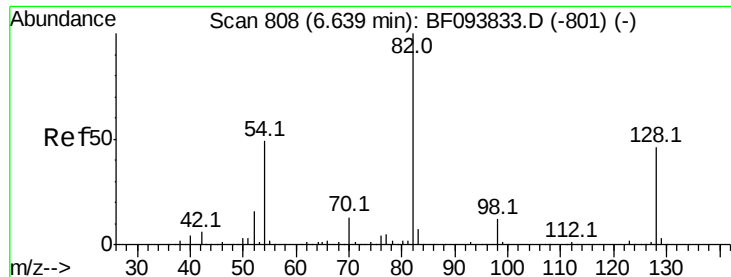
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

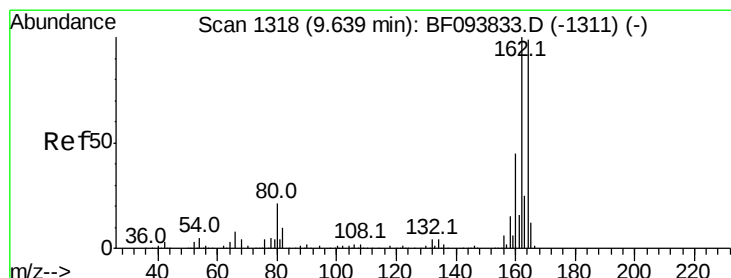
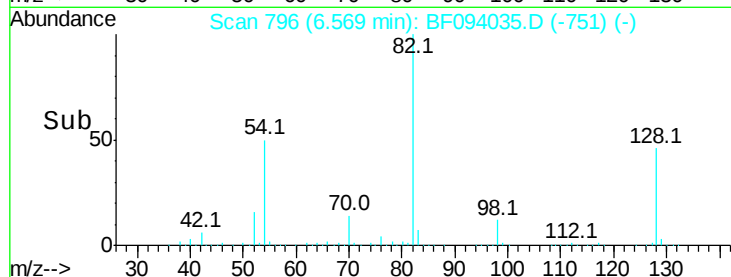
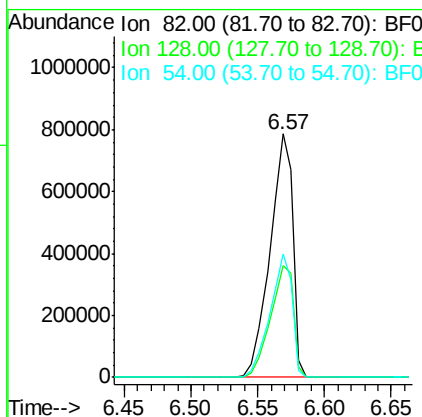
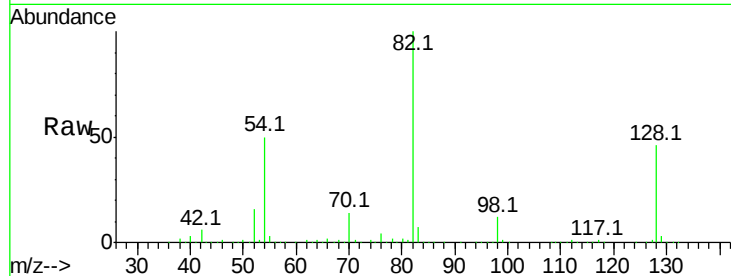




#23  
Nitrobenzene-d5  
Concen: 96.02 ng  
RT: 6.57 min Scan# 796  
Delta R.T. -0.04 min  
Lab File: BF094035.D  
Acq: 29 Mar 2017 22:56

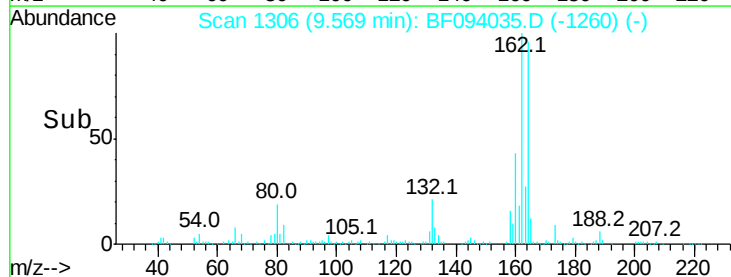
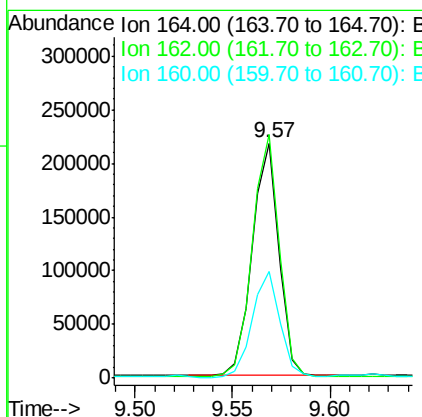
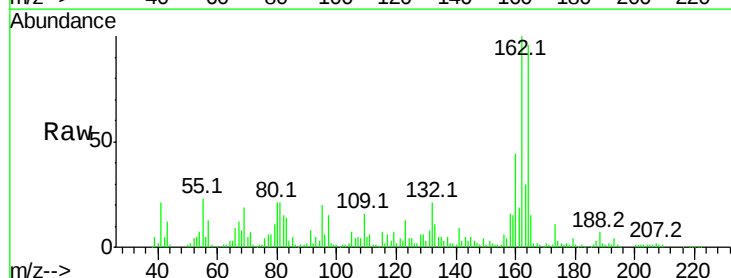
Instrument :  
BNA\_F  
ClientSampleId :  
PX-11

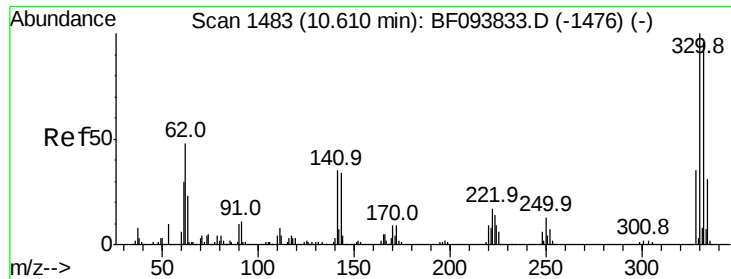
Tot Ion: 82 Resp: 934314  
Ion Ratio Lower Upper  
82 100  
128 46.2 34.0 51.0  
54 50.4 42.2 63.2



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.57 min Scan# 1306  
Delta R.T. -0.03 min  
Lab File: BF094035.D  
Acq: 29 Mar 2017 22:56

Tgt Ion:164 Resp: 204522  
Ion Ratio Lower Upper  
164 100  
162 103.7 82.6 123.8  
160 45.2 36.2 54.2

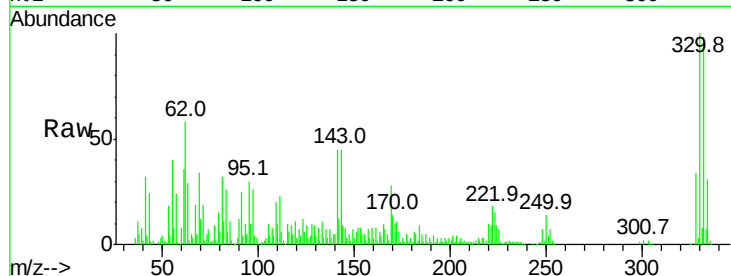




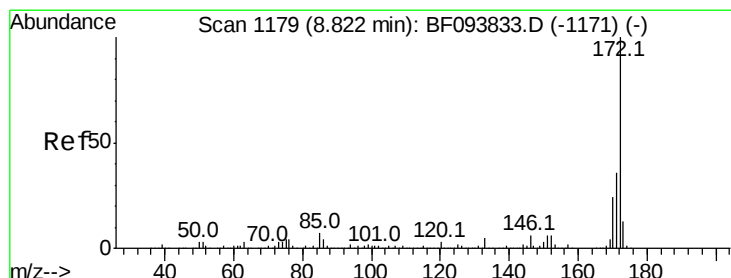
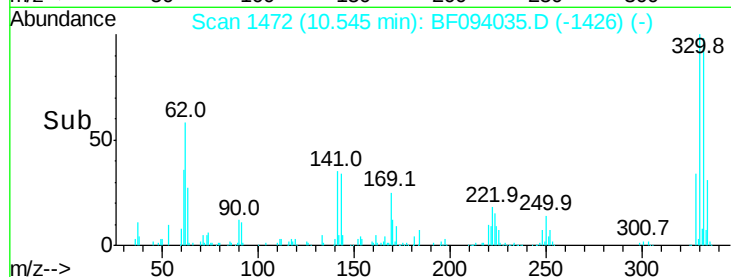
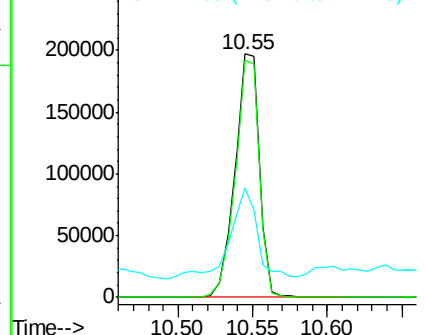
#41  
 2,4,6-Tribromophenol  
 Concen: 140.29 ng  
 RT: 10.55 min Scan# 1472  
 Delta R.T. -0.03 min  
 Lab File: BF094035.D  
 Acq: 29 Mar 2017 22:56

Instrument :  
 BNA\_F  
 ClientSampled :  
 PX-11

Tot Ion:330 Resp: 226729  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 76.6 115.0  
 141 42.4 31.4 47.2

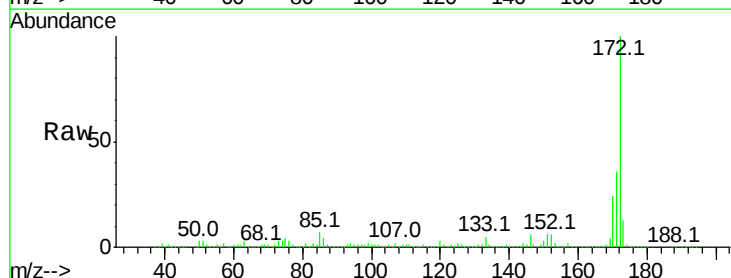


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

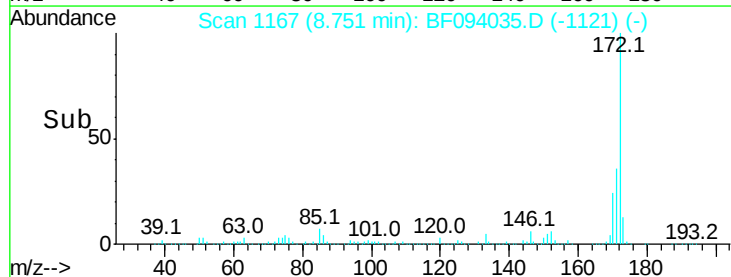
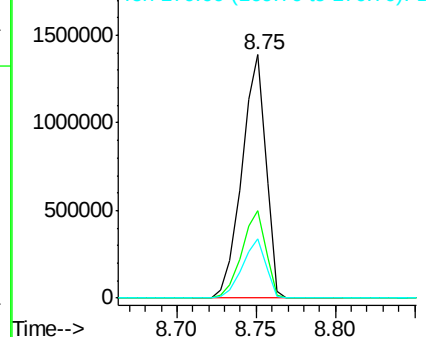


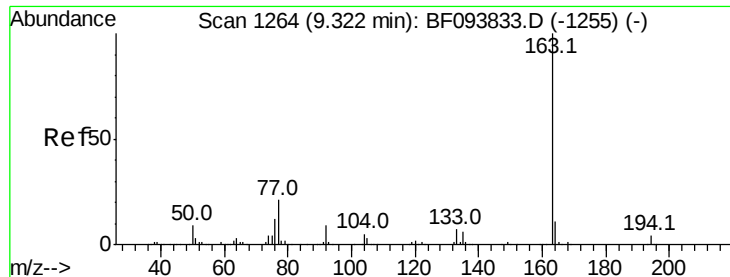
#44  
 2-Fluorobiphenyl  
 Concen: 108.10 ng  
 RT: 8.75 min Scan# 1167  
 Delta R.T. -0.03 min  
 Lab File: BF094035.D  
 Acq: 29 Mar 2017 22:56

Tgt Ion:172 Resp: 1449562  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.6 44.4  
 170 24.4 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

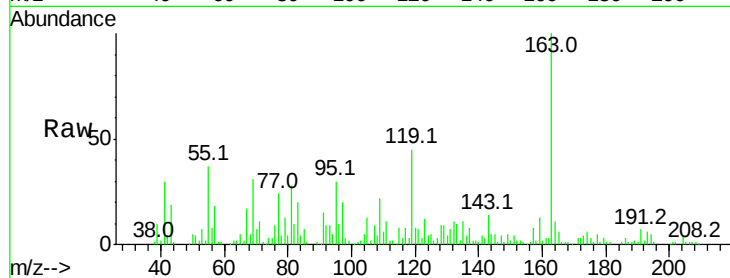




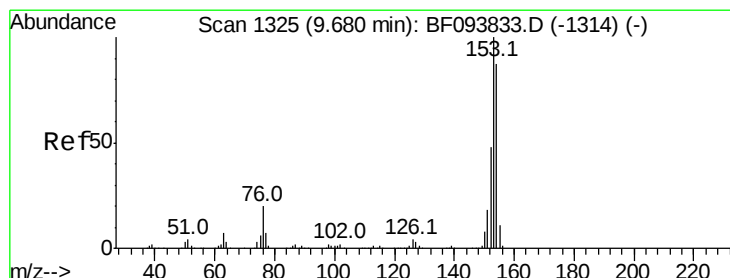
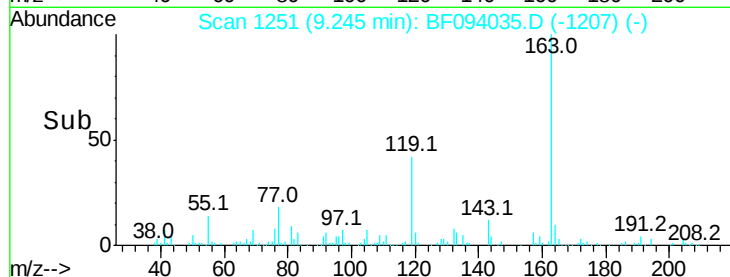
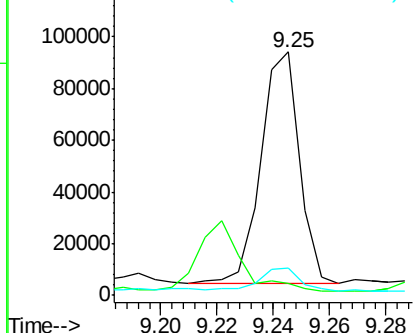
#49  
Dimethylphthalate  
Concen: 5.79 ng  
RT: 9.25 min Scan# 1251  
Delta R.T. -0.04 min  
Lab File: BF094035.D  
Acq: 29 Mar 2017 22:56

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Tot Ion:163 Resp: 84235  
Ion Ratio Lower Upper  
163 100  
194 4.9 2.6 4.0#  
164 11.2 8.4 12.6

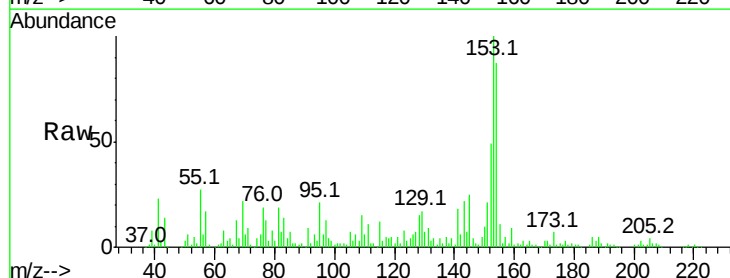


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

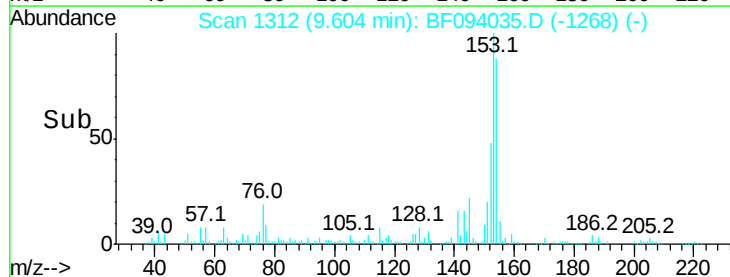
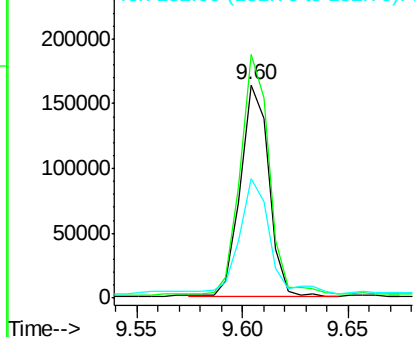


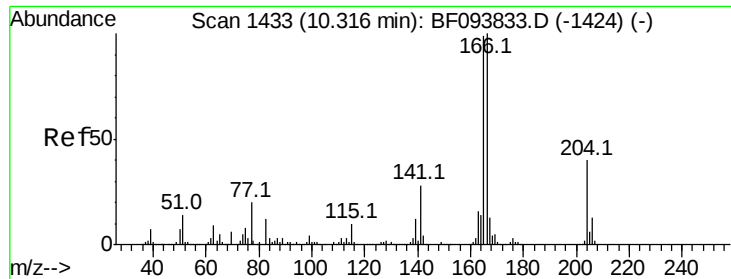
#51  
Acenaphthene  
Concen: 12.17 ng  
RT: 9.60 min Scan# 1312  
Delta R.T. -0.04 min  
Lab File: BF094035.D  
Acq: 29 Mar 2017 22:56

Tgt Ion:154 Resp: 152446  
Ion Ratio Lower Upper  
154 100  
153 114.3 90.5 135.7  
152 56.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

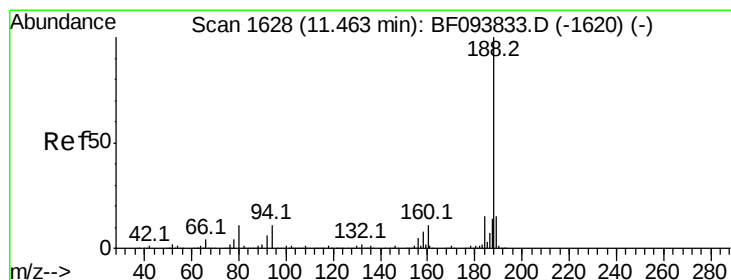
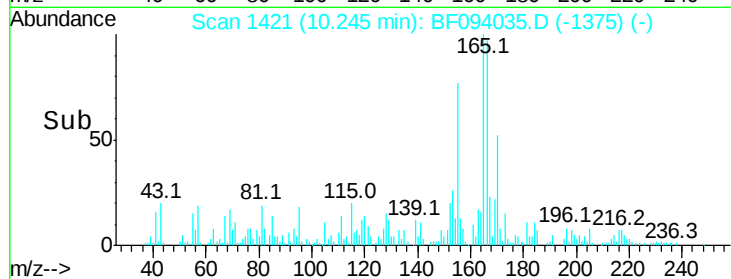
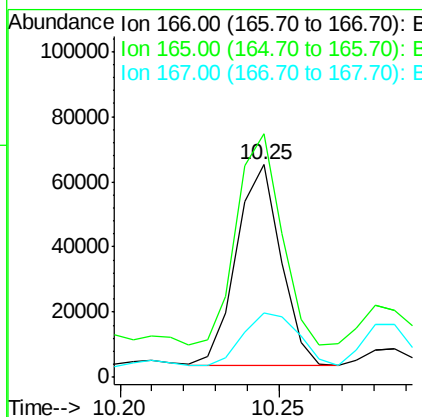
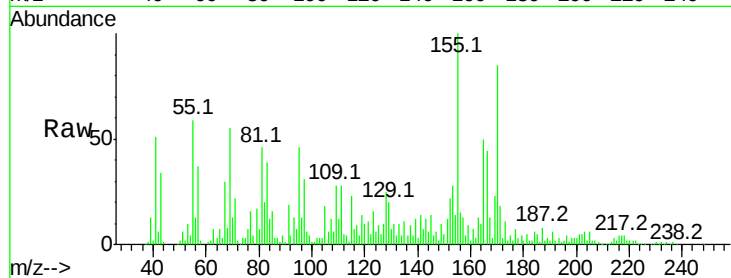




#57  
**Fluorene**  
 Concen: 4.21 ng  
 RT: 10.25 min Scan# 1421  
 Delta R.T. -0.03 min  
 Lab File: BF094035.D  
 Acq: 29 Mar 2017 22:56

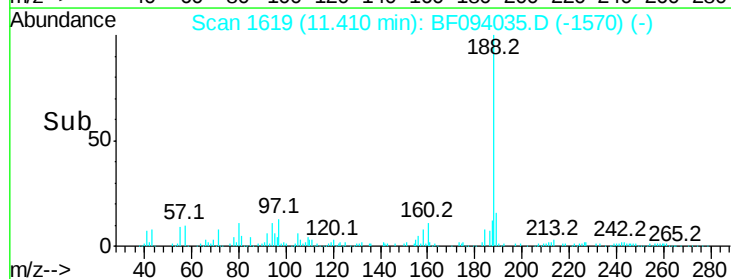
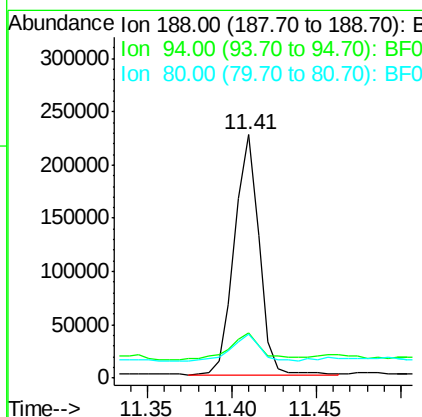
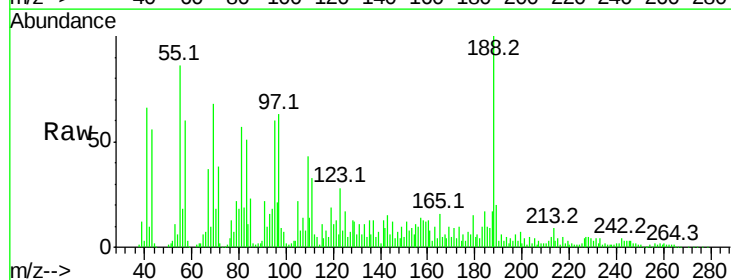
Instrument :  
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 ClientSampleId :  
 PX-11

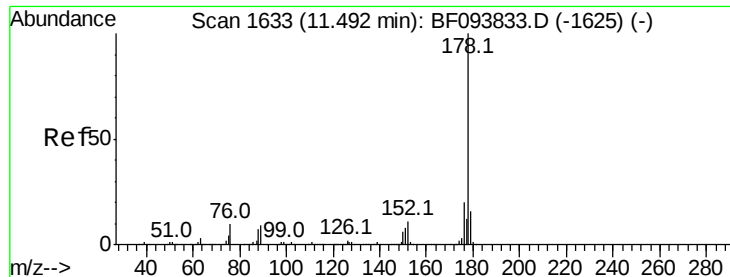
Tot Ion:166 Resp: 59512  
 Ion Ratio Lower Upper  
 166 100  
 165 114.4 78.8 118.2  
 167 30.0 10.6 16.0#



#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 11.41 min Scan# 1619  
 Delta R.T. -0.01 min  
 Lab File: BF094035.D  
 Acq: 29 Mar 2017 22:56

Tgt Ion:188 Resp: 228934  
 Ion Ratio Lower Upper  
 188 100  
 94 18.4 9.4 14.2#  
 80 17.9 10.2 15.2#

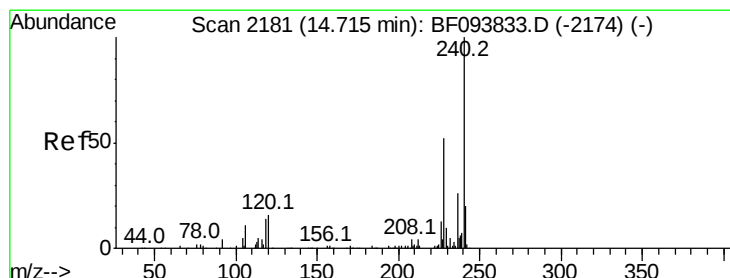
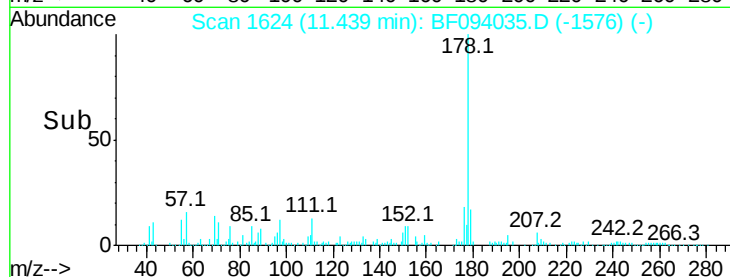
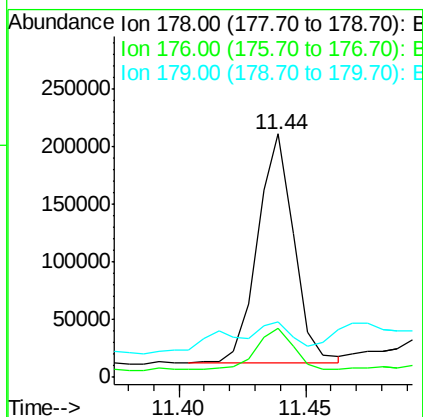
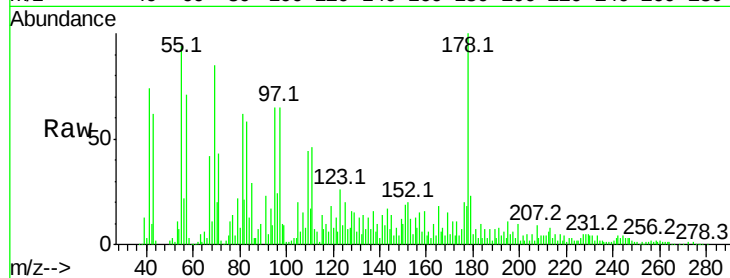




#70  
Phenanthrene  
Concen: 15.47 ng  
RT: 11.44 min Scan# 1624  
Delta R.T. -0.02 min  
Lab File: BF094035.D  
Acq: 29 Mar 2017 22:56

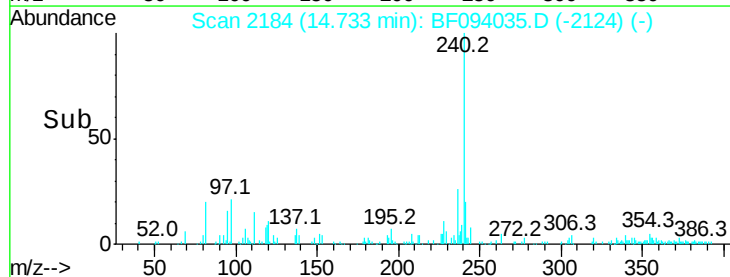
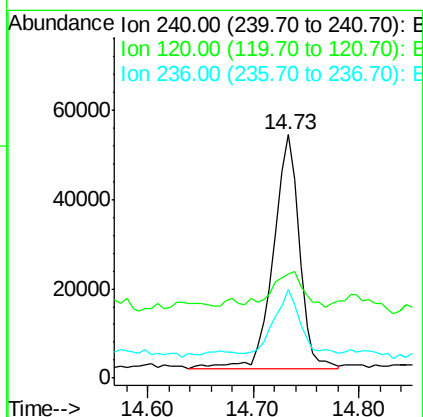
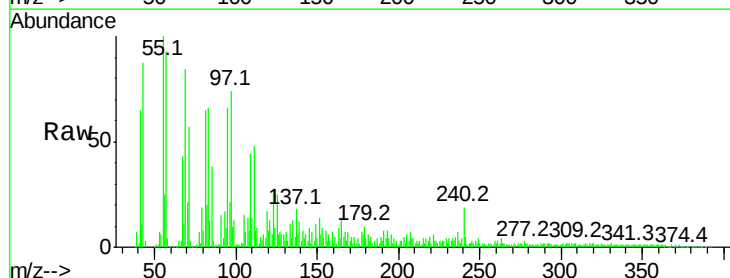
Instrument :  
BNA\_F  
ClientSampleId :  
PX-11

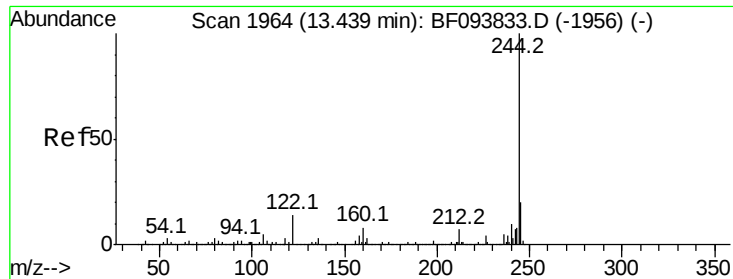
Tot Ion:178 Resp: 197048  
Ion Ratio Lower Upper  
178 100  
176 20.2 16.2 24.4  
179 22.7 12.6 19.0#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.73 min Scan# 2184  
Delta R.T. 0.05 min  
Lab File: BF094035.D  
Acq: 29 Mar 2017 22:56

Tgt Ion:240 Resp: 88385  
Ion Ratio Lower Upper  
240 100  
120 42.9 5.8 8.8#  
236 36.4 20.5 30.7#





#78

Terphenyl-d14

Concen: 99.75 ng

RT: 13.43 min Scan# 1963

Delta R.T. 0.03 min

Lab File: BF094035.D

Acq: 29 Mar 2017 22:56

Instrument :

BNA\_F

ClientSampleId :

PX-11

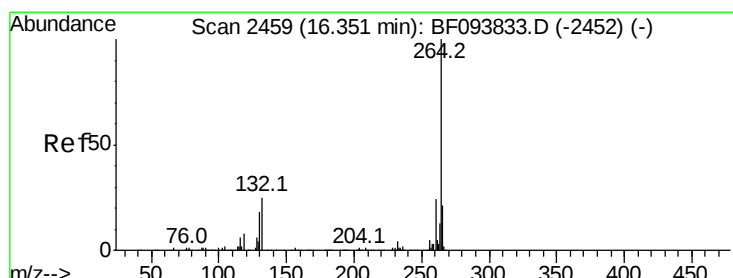
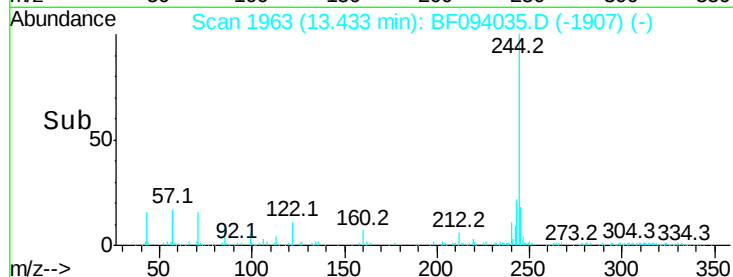
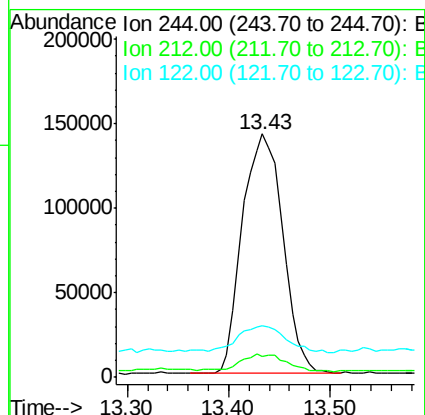
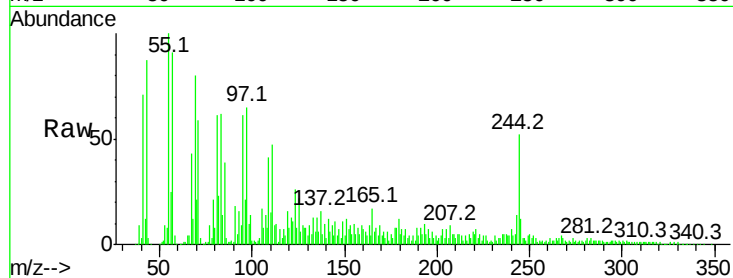
Tot Ion:244 Resp: 393319

Ion Ratio Lower Upper

244 100

212 8.8 6.0 9.0

122 21.3 10.3 15.5#



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.39 min Scan# 2466

Delta R.T. 0.08 min

Lab File: BF094035.D

Acq: 29 Mar 2017 22:56

Tgt Ion:264 Resp: 77923

Ion Ratio Lower Upper

264 100

260 29.8 19.5 29.3#

265 26.2 17.2 25.8#

