

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF040219\  
 Data File : BF113538.D  
 Acq On : 3 Apr 2019 8:14  
 Operator : JU/SJ  
 Sample : K2056-07  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CS-9

Quant Time: Apr 03 08:47:41 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   | 6.69  | 152  | 136909   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.97  | 136  | 481811   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.72  | 164  | 196244   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.20 | 188  | 333065   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 13.83 | 240  | 354283   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.24 | 264  | 265815   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 839069   | 100.21 | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 944767   | 89.19  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 688014   | 84.76  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.51 | 330  | 264030   | 108.92 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.05  | 172  | 1203729  | 99.06  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.78 | 244  | 1192181  | 74.17  | ng    | -0.02    |

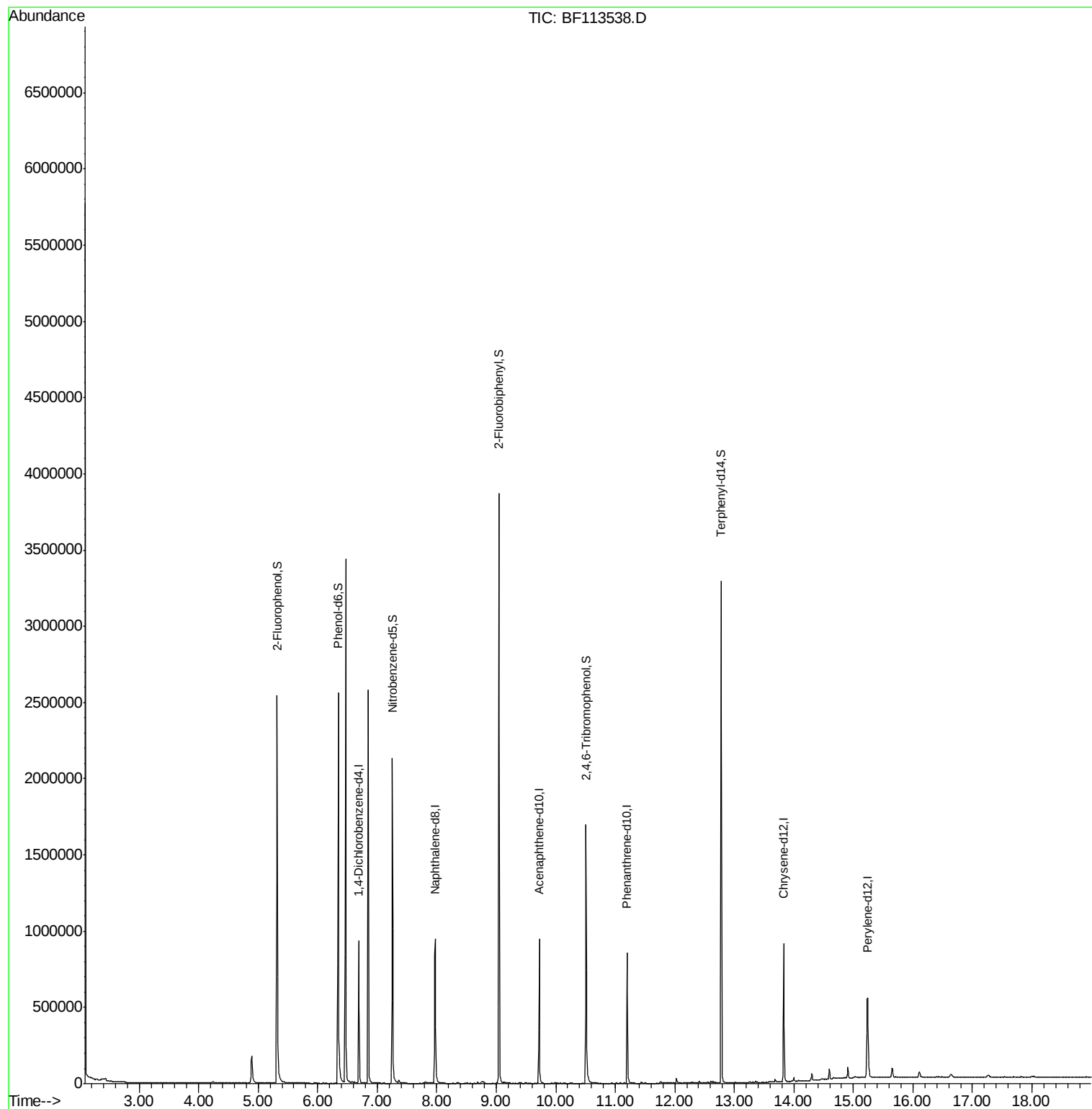
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

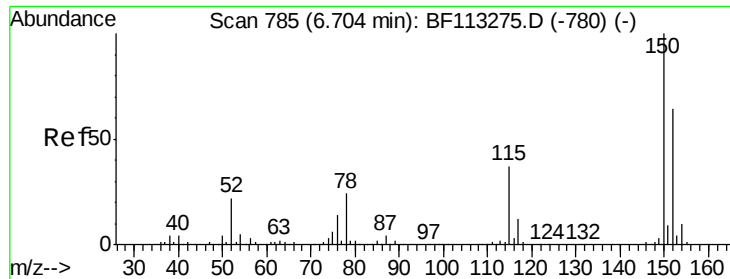
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K2056-07  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 26 03:32:08 2019  
Response via : Initial Calibration



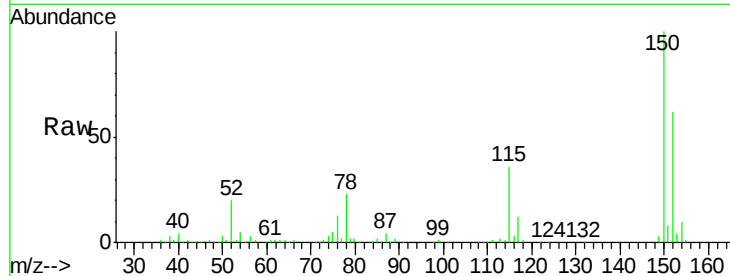


#1

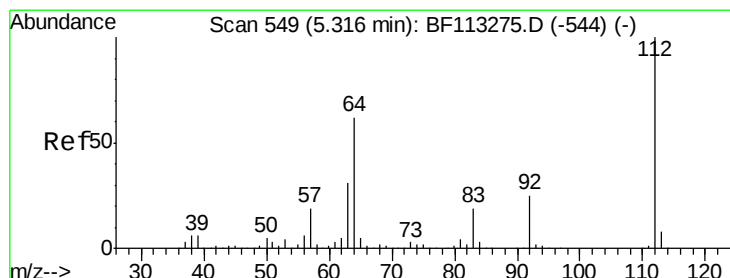
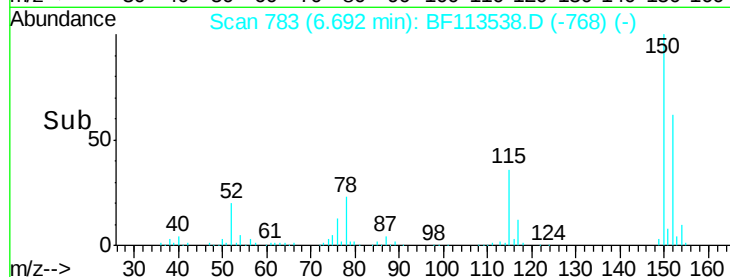
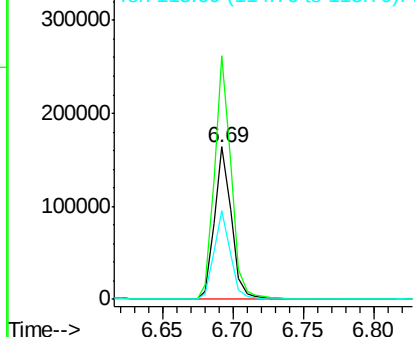
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 783  
Delta R.T. -0.01 min  
Lab File: BF113538.D  
Acq: 3 Apr 2019 8:14

Instrument :  
BNA\_F  
ClientSampleId :  
CS-9

Tgt Ion:152 Resp: 136909  
Ion Ratio Lower Upper  
152 100  
150 160.1 124.7 187.1  
115 58.0 46.0 69.0



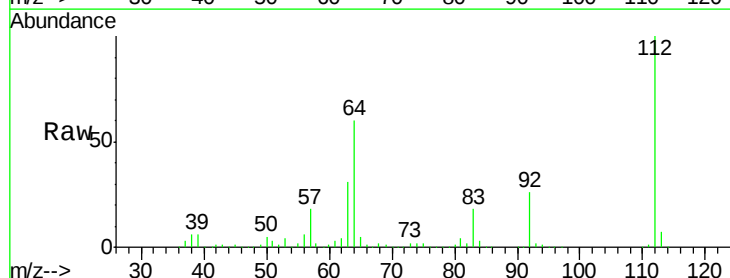
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



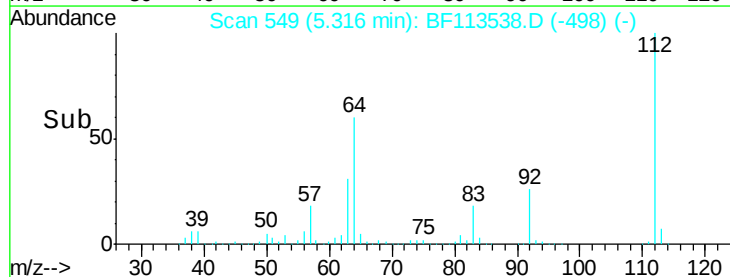
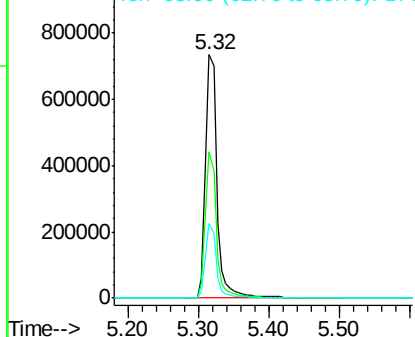
#5

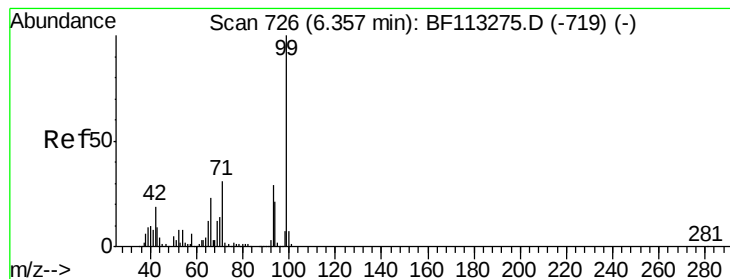
2-Fluorophenol  
Concen: 100.211 ng  
RT: 5.32 min Scan# 549  
Delta R.T. 0.00 min  
Lab File: BF113538.D  
Acq: 3 Apr 2019 8:14

Tgt Ion:112 Resp: 839069  
Ion Ratio Lower Upper  
112 100  
64 60.3 49.2 73.8  
63 30.7 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: 89.194 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113538.D

Acq: 3 Apr 2019 8:14

Instrument :

BNA\_F

ClientSampleId :

CS-9

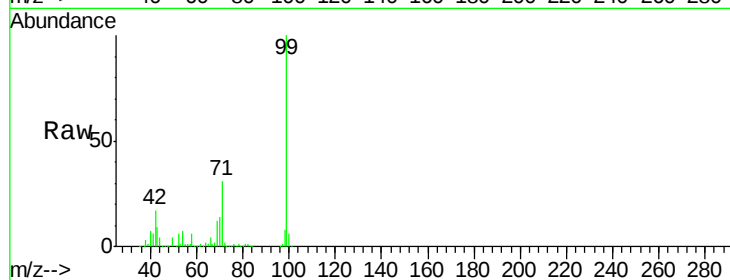
Tgt Ion: 99 Resp: 944767

Ion Ratio Lower Upper

99 100

42 17.5 14.8 22.2

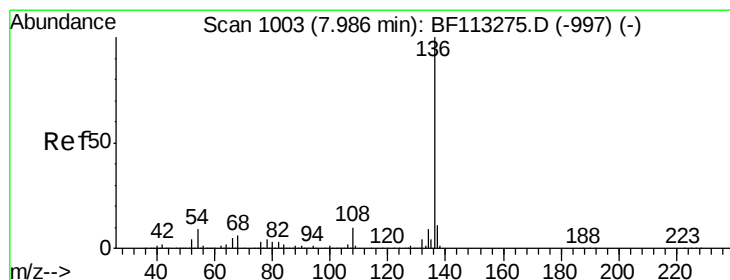
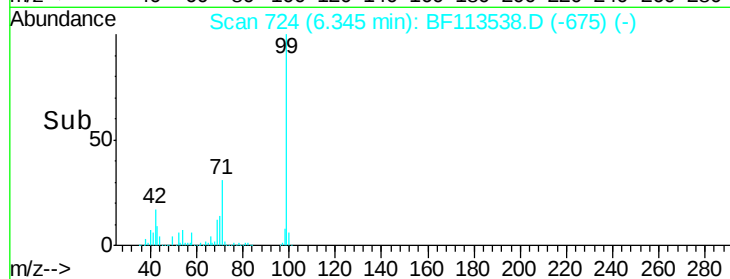
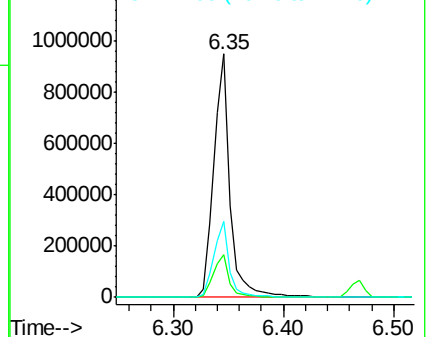
71 31.1 24.9 37.3



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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF113538.D

Acq: 3 Apr 2019 8:14

Tgt Ion: 136 Resp: 481811

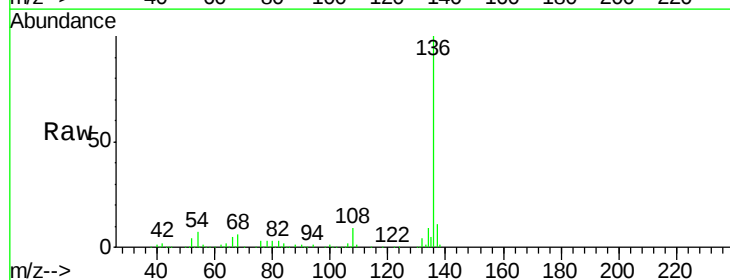
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.5 7.0 10.6

68 5.6 4.8 7.2

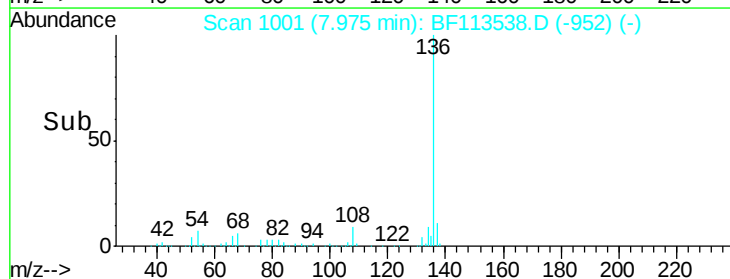
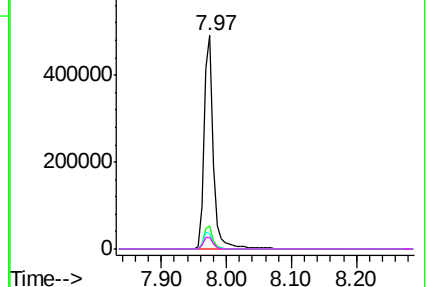


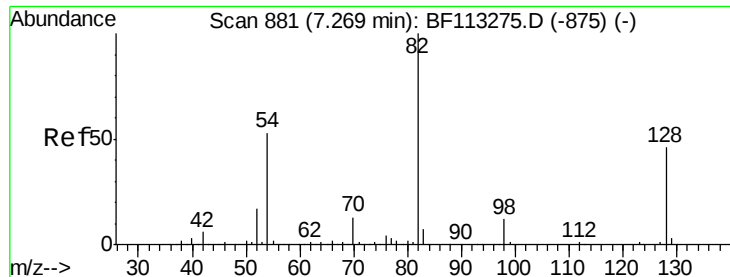
Abundance Ion 136.00 (135.70 to 136.70): E

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

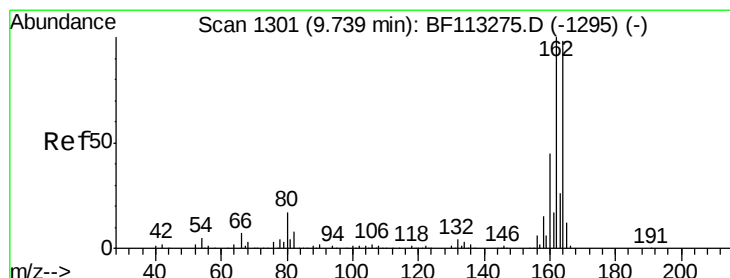
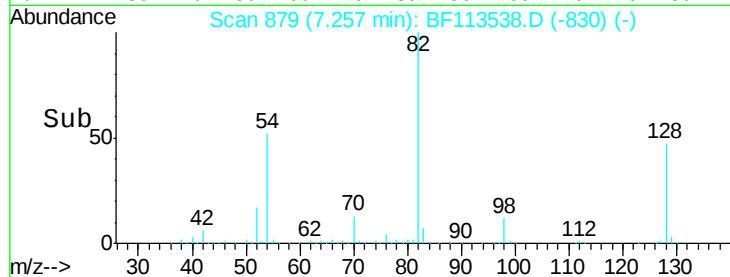
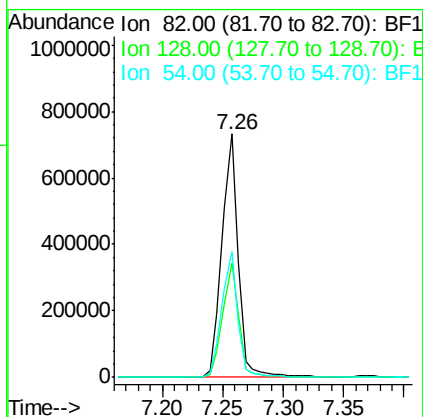
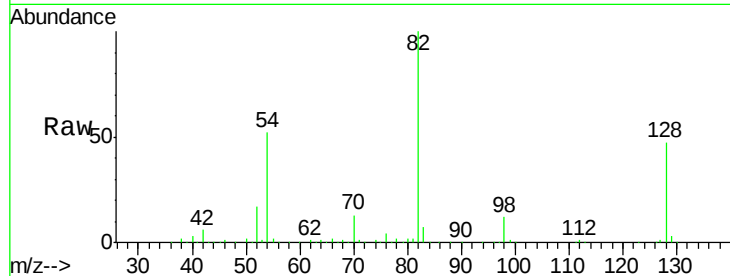




#23  
 Nitrobenzene-d5  
 Concen: 84.756 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF113538.D  
 Acq: 3 Apr 2019 8:14

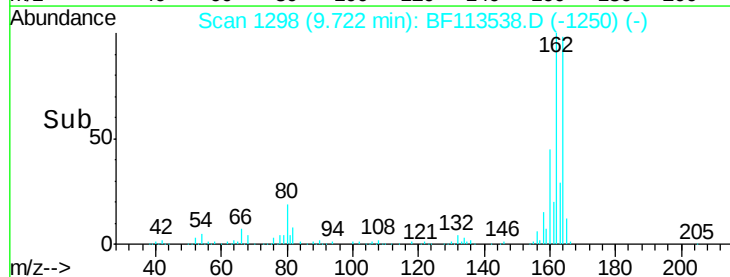
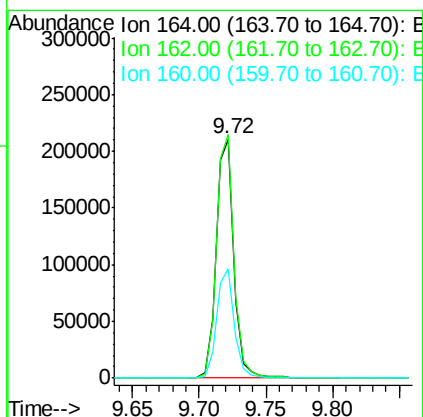
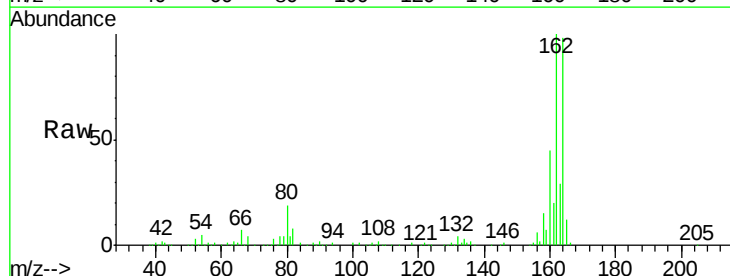
Instrument :  
 BNA\_F  
 ClientSampled :  
 CS-9

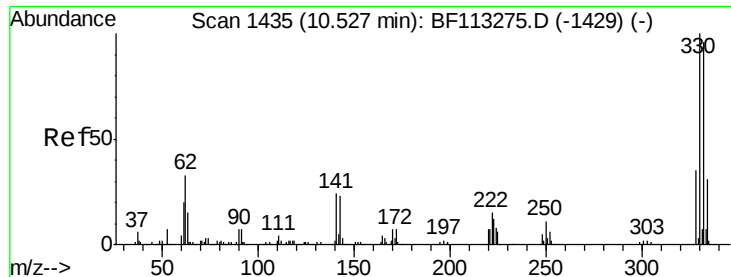
Tgt Ion: 82 Resp: 688014  
 Ion Ratio Lower Upper  
 82 100  
 128 47.2 36.5 54.7  
 54 51.8 42.2 63.2



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. -0.02 min  
 Lab File: BF113538.D  
 Acq: 3 Apr 2019 8:14

Tgt Ion: 164 Resp: 196244  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 81.8 122.6  
 160 45.6 36.4 54.6

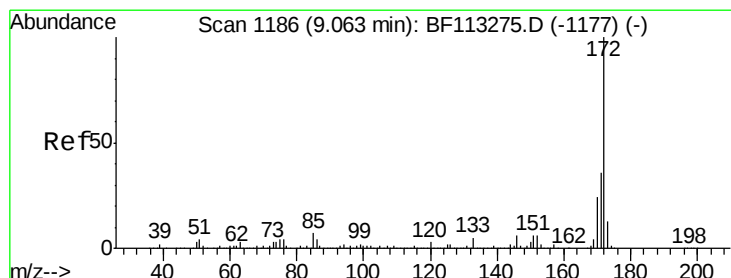
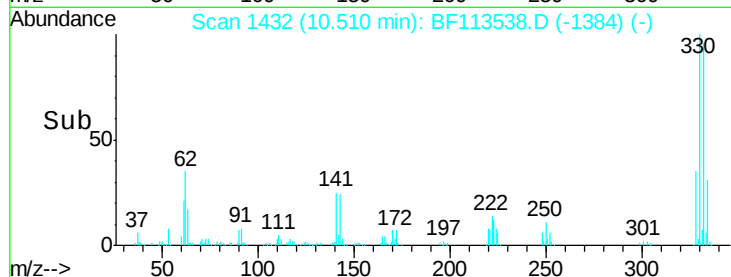
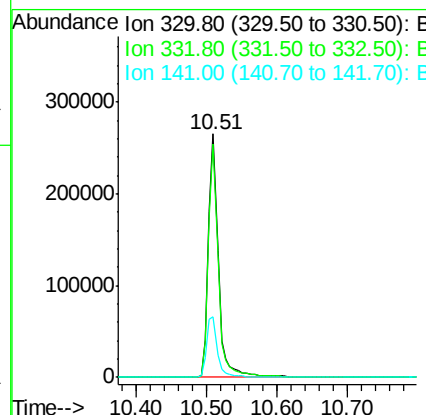
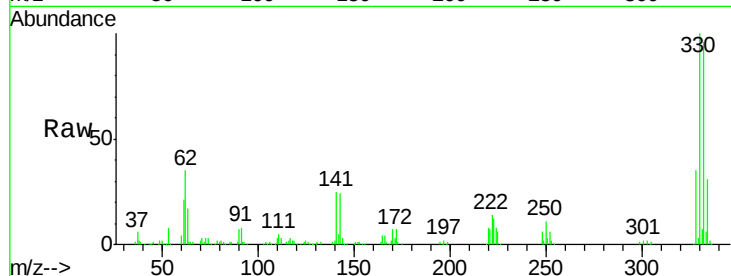




#42  
 2,4,6-Tribromophenol  
 Concen: 108.921 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.02 min  
 Lab File: BF113538.D  
 Acq: 3 Apr 2019 8:14

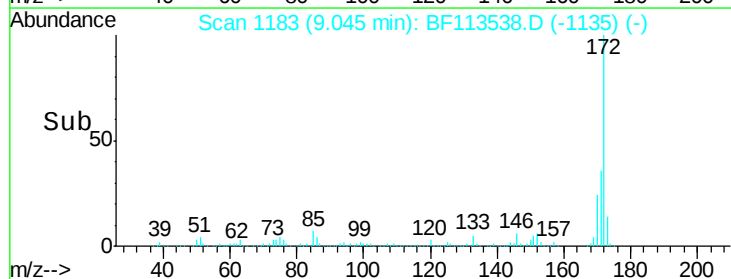
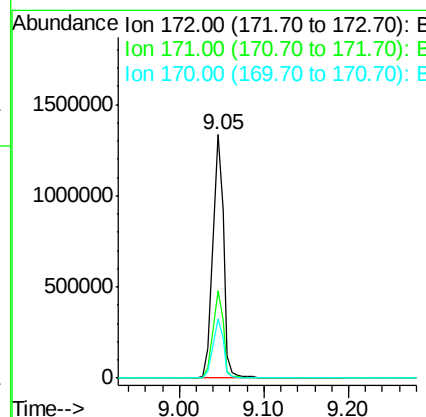
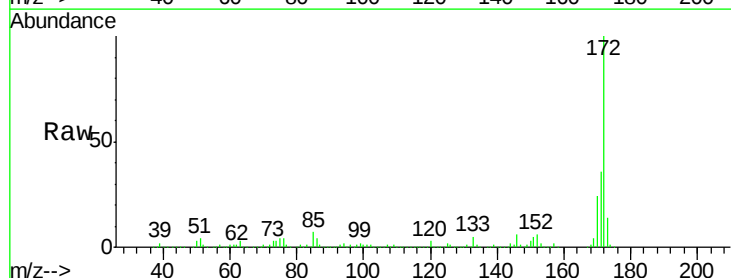
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CS-9

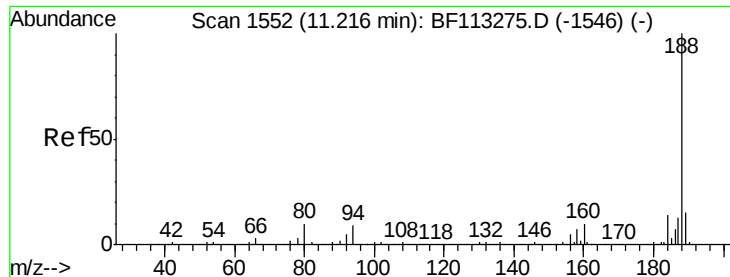
Tgt Ion:330 Resp: 264030  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 77.8 116.6  
 141 27.4 22.7 34.1



#45  
 2-Fluorobiphenyl  
 Concen: 99.056 ng  
 RT: 9.05 min Scan# 1183  
 Delta R.T. -0.02 min  
 Lab File: BF113538.D  
 Acq: 3 Apr 2019 8:14

Tgt Ion:172 Resp: 1203729  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.0 43.6  
 170 24.3 19.5 29.3

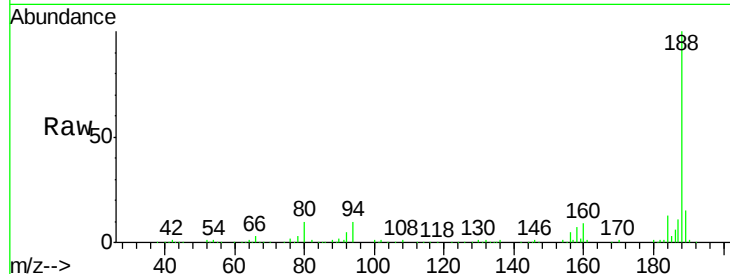




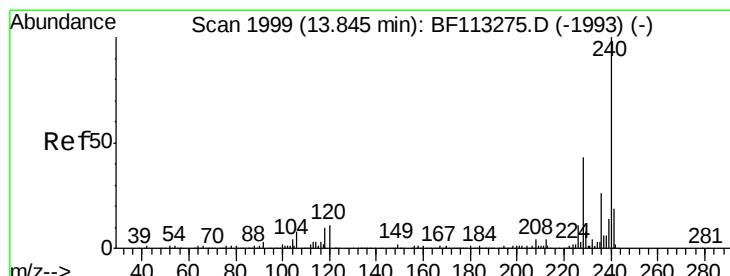
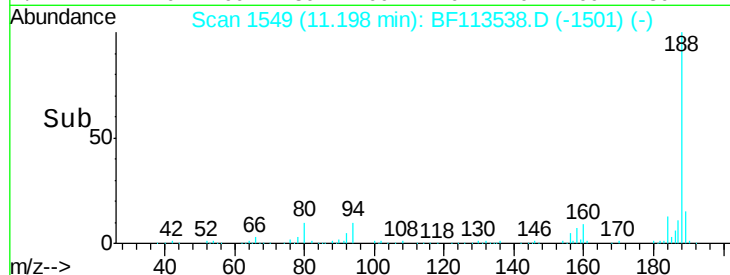
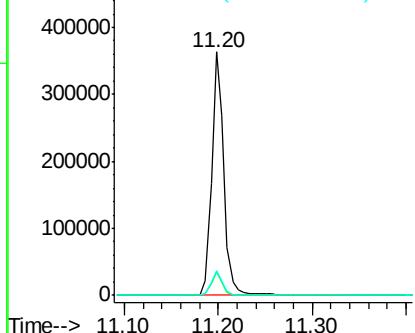
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1549  
Delta R.T. -0.02 min  
Lab File: BF113538.D  
Acq: 3 Apr 2019 8:14

Instrument :  
BNA\_F  
ClientSampleId :  
CS-9

Tgt Ion:188 Resp: 333065  
Ion Ratio Lower Upper  
188 100  
94 9.8 7.0 10.6  
80 10.3 7.7 11.5

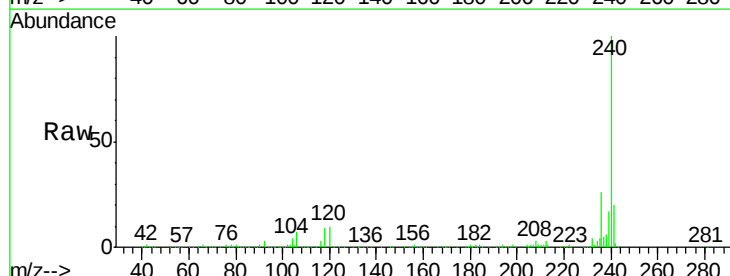


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

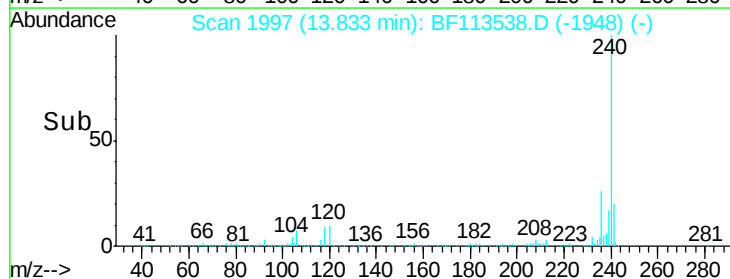
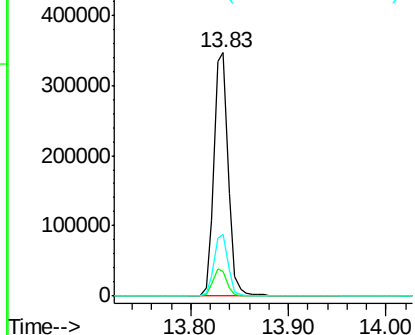


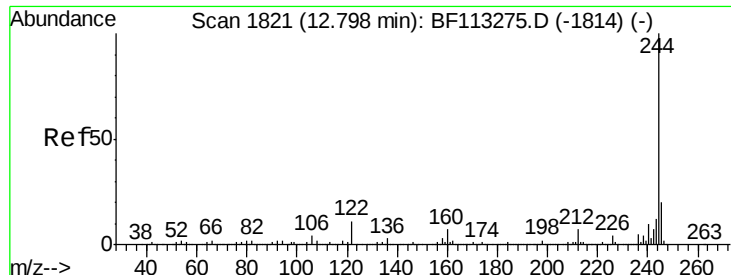
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1997  
Delta R.T. -0.01 min  
Lab File: BF113538.D  
Acq: 3 Apr 2019 8:14

Tgt Ion:240 Resp: 354283  
Ion Ratio Lower Upper  
240 100  
120 10.2 8.8 13.2  
236 25.6 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

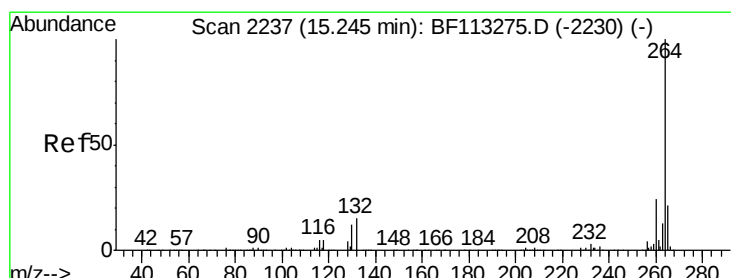
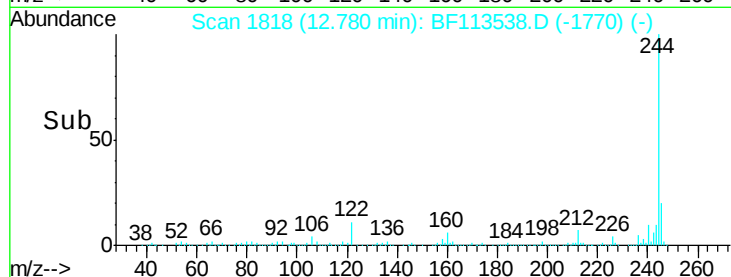
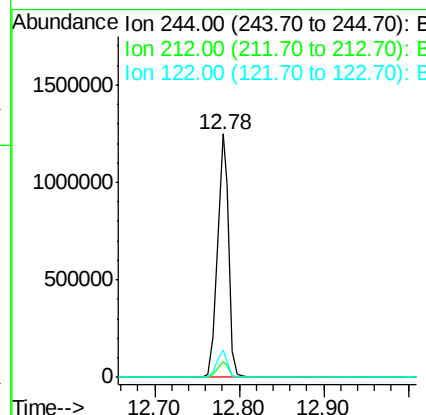
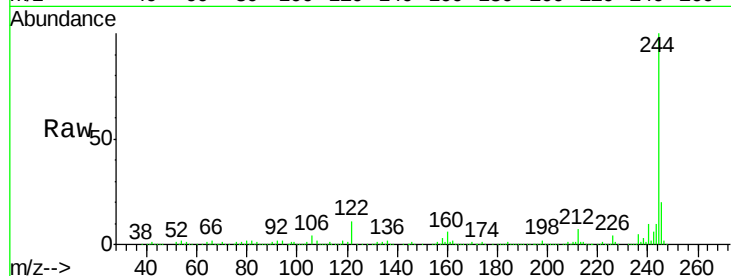




#79  
 Terphenyl-d14  
 Concen: 74.171 ng  
 RT: 12.78 min Scan# 1818  
 Delta R.T. -0.02 min  
 Lab File: BF113538.D  
 Acq: 3 Apr 2019 8:14

Instrument :  
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Tgt Ion:244 Resp: 1192181  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.5 8.3  
 122 11.3 8.6 13.0



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.24 min Scan# 2236  
 Delta R.T. -0.01 min  
 Lab File: BF113538.D  
 Acq: 3 Apr 2019 8:14

Tgt Ion:264 Resp: 265815  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.1 28.7  
 265 21.7 17.1 25.7

