

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051819\
 Data File : BF114398.D
 Acq On : 18 May 2019 18:23
 Operator : JU/SJ
 Sample : K2643-07 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-051619-B

Quant Time: May 20 07:21:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

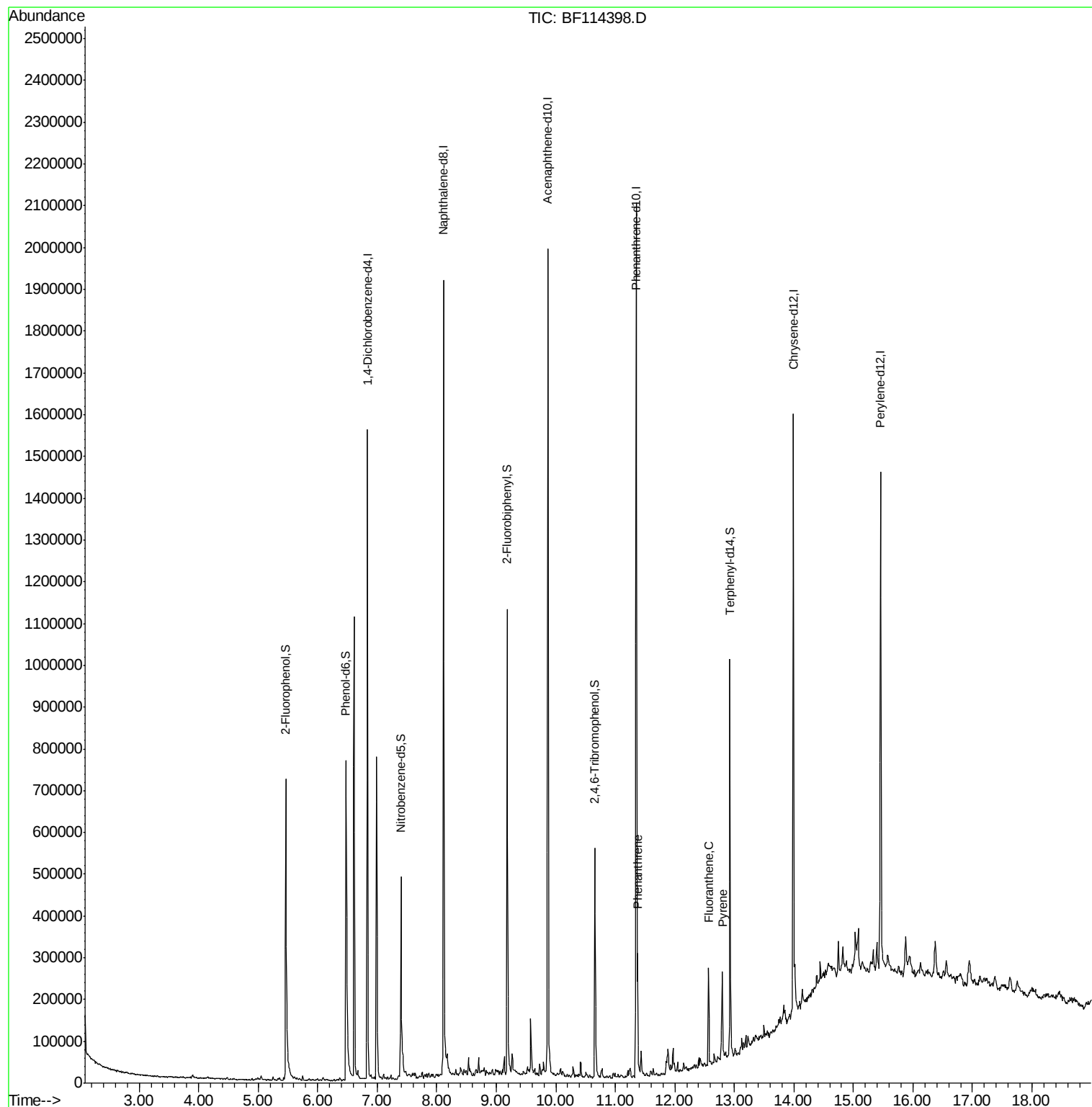
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	232959	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	902156	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	413731	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	775238	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	474355	20.00	ng	-0.03
87) Perylene-d12	15.46	264	546676	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	274981	19.00	ng	-0.02
7) Phenol-d6	6.47	99	380348	22.21	ng	-0.02
23) Nitrobenzene-d5	7.40	82	210110	13.07	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	71647	16.75	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	382583	13.99	ng	-0.02
79) Terphenyl-d14	12.93	244	308099	13.39	ng	-0.03
Target Compounds						
71) Phenanthrene	11.37	178	98553	2.613	ng	98
75) Fluoranthene	12.57	202	101623	2.502	ng	96
78) Pyrene	12.80	202	86000	2.254	ng	97

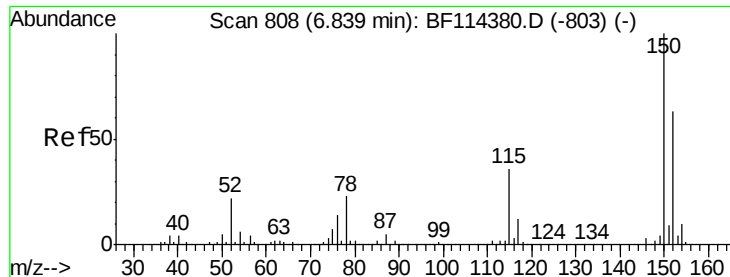
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 20 07:21:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration



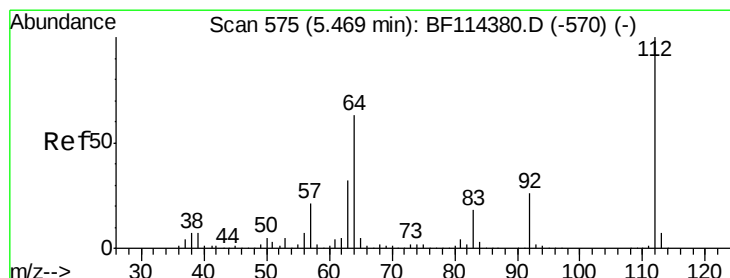
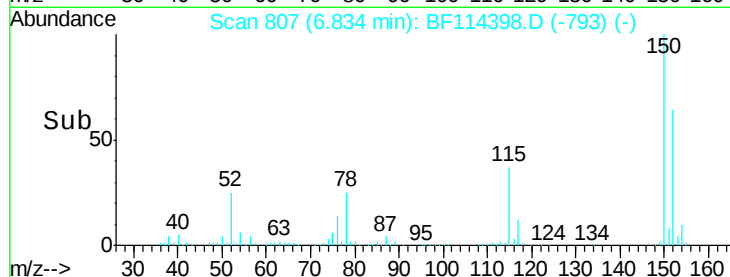
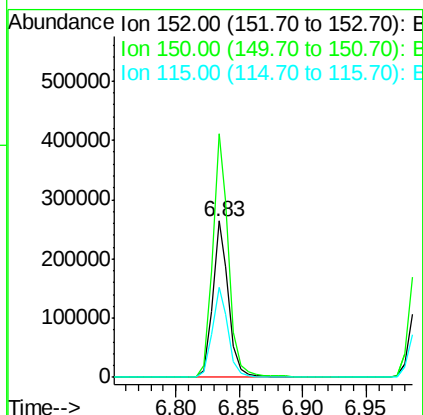
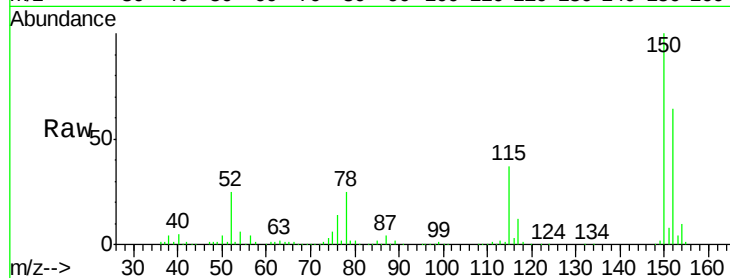


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

Instrument :
BNA_F
ClientSampleId :
OR-02-051619-B

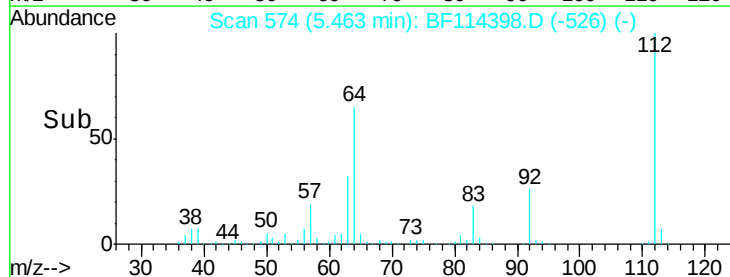
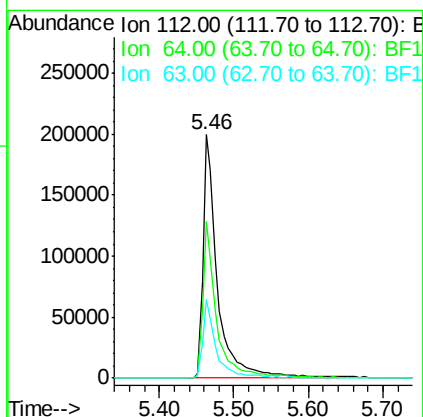
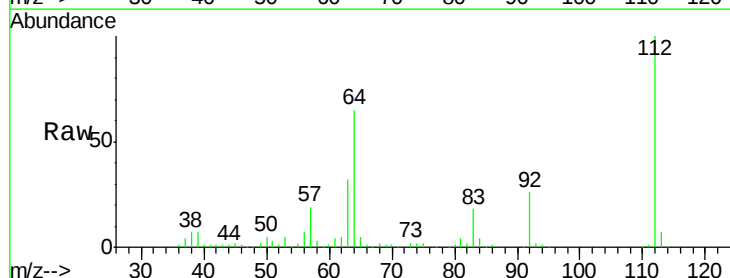
Tgt Ion:152 Resp: 232959
Ion Ratio Lower Upper
152 100
150 155.7 124.3 186.5
115 57.9 49.1 73.7

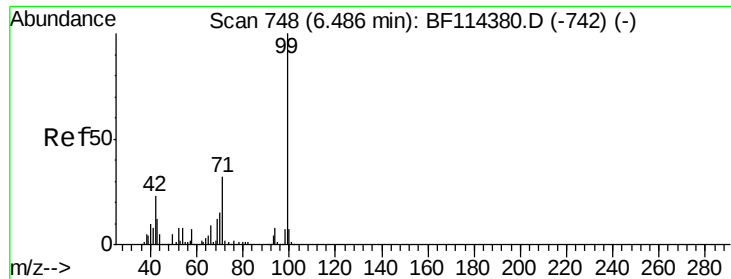


#5

2-Fluorophenol
Concen: 18.995 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

Tgt Ion:112 Resp: 274981
Ion Ratio Lower Upper
112 100
64 64.5 49.0 73.6
63 32.4 24.6 37.0





#7

Phenol-d6

Concen: 22.215 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

Instrument :

BNA_F

ClientSampleId :

OR-02-051619-B

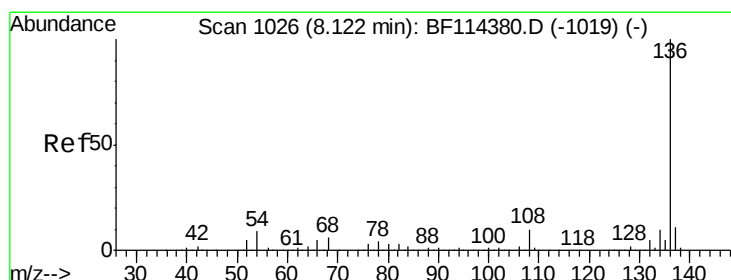
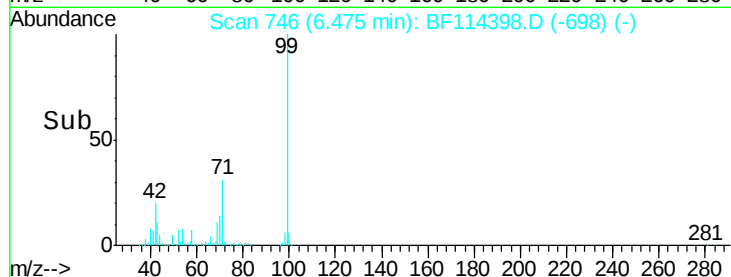
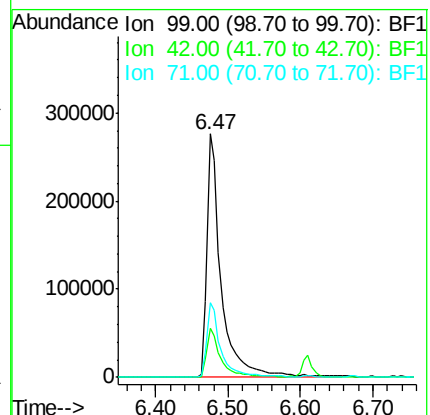
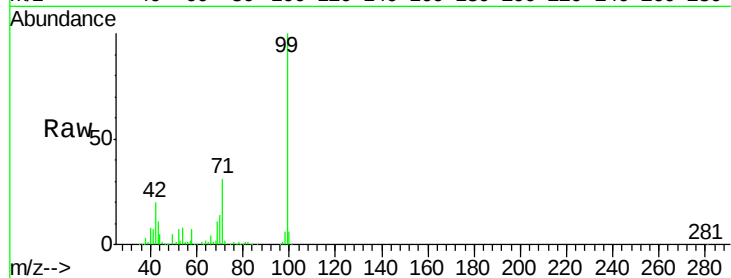
Tgt Ion: 99 Resp: 380348

Ion Ratio Lower Upper

99 100

42 20.2 17.9 26.9

71 30.6 26.2 39.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

Tgt Ion: 136 Resp: 902156

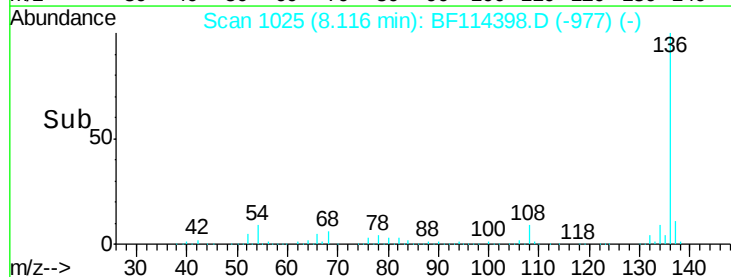
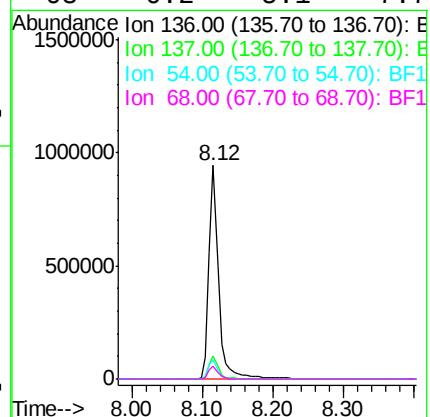
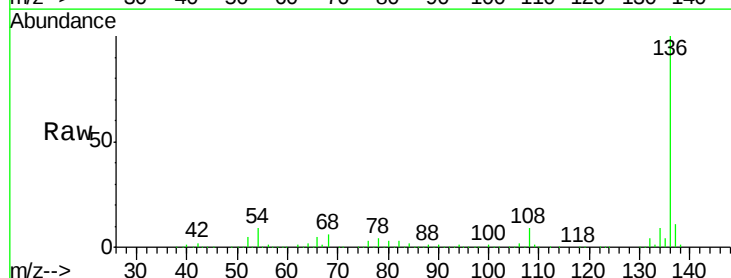
Ion Ratio Lower Upper

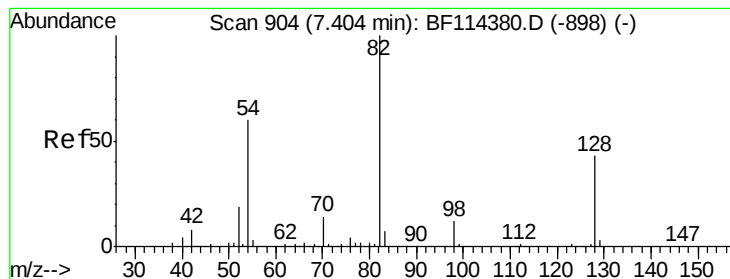
136 100

137 10.9 8.8 13.2

54 9.2 7.8 11.8

68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 13.070 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

Instrument :

BNA_F

ClientSampleId :

OR-02-051619-B

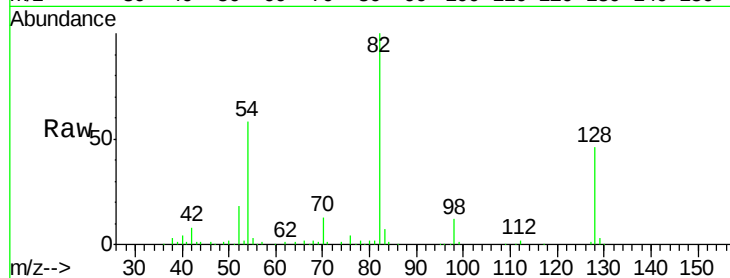
Tgt Ion: 82 Resp: 210110

Ion Ratio Lower Upper

82 100

128 46.2 35.5 53.3

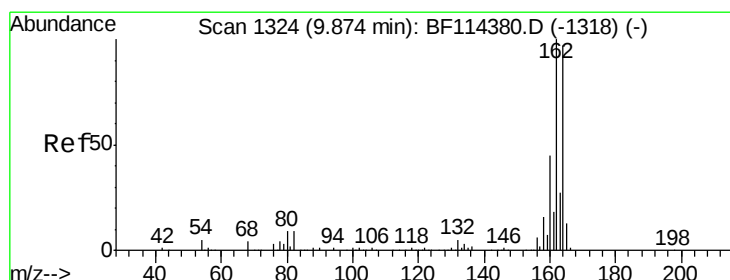
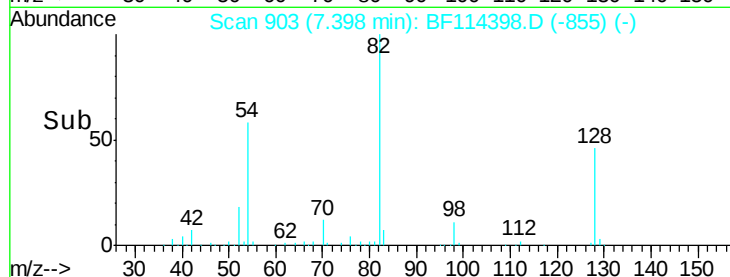
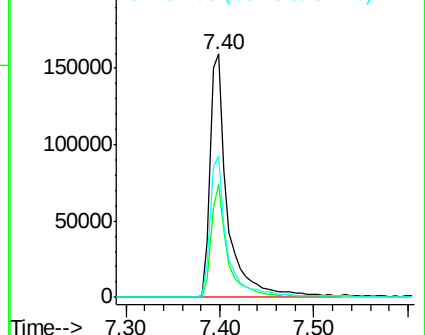
54 57.8 48.5 72.7



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

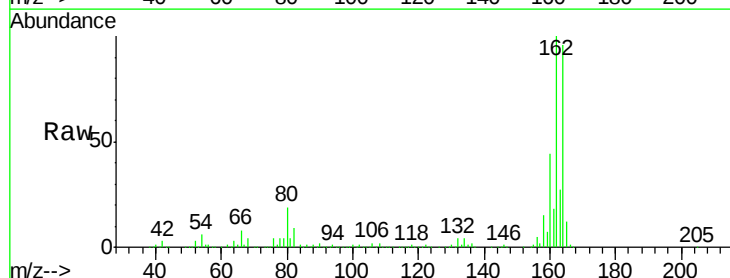
Tgt Ion: 164 Resp: 413731

Ion Ratio Lower Upper

164 100

162 104.4 80.6 120.8

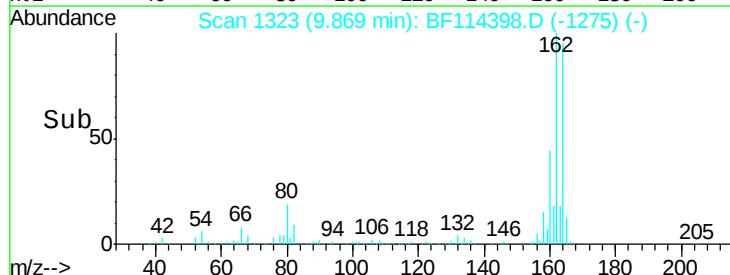
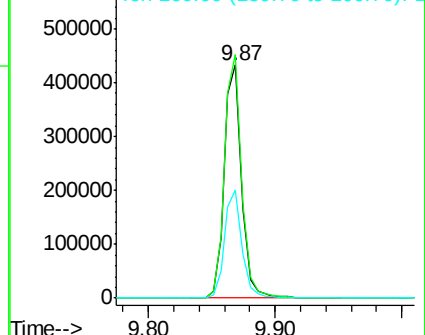
160 46.1 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

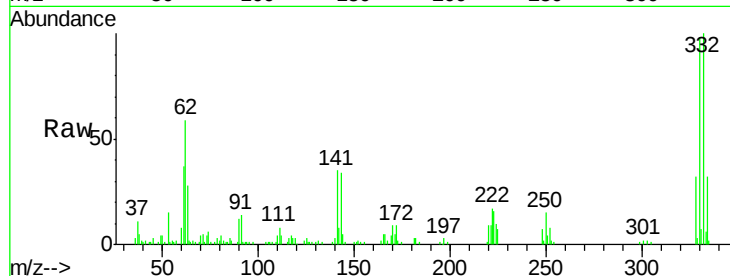




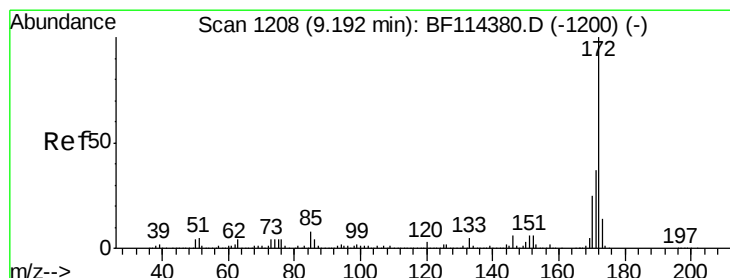
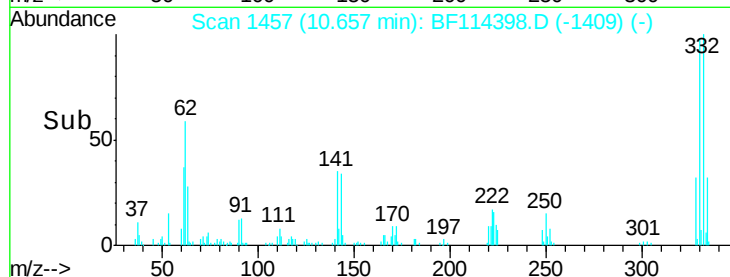
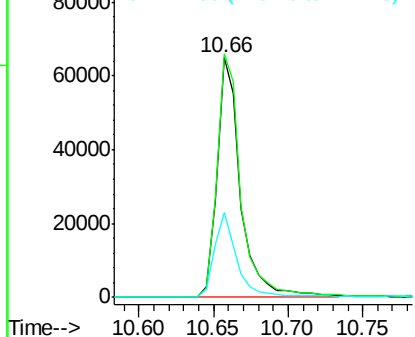
#42
 2,4,6-Tribromophenol
 Concen: 16.751 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF114398.D
 Acq: 18 May 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-051619-B

Tgt Ion:330 Resp: 71647
 Ion Ratio Lower Upper
 330 100
 332 104.1 81.4 122.2
 141 34.1 26.6 40.0

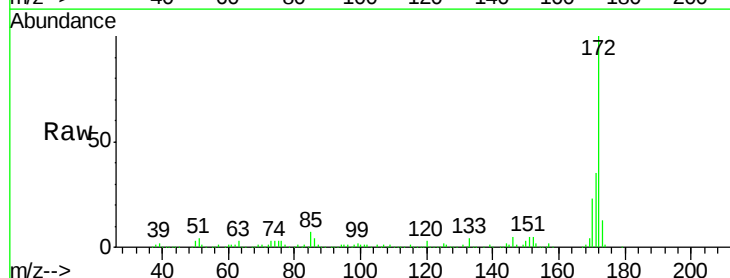


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

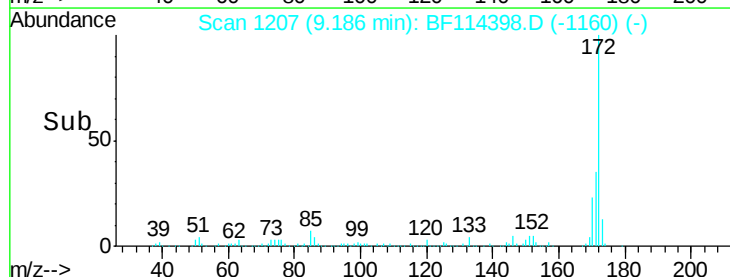
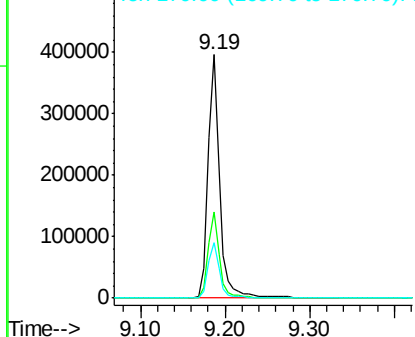


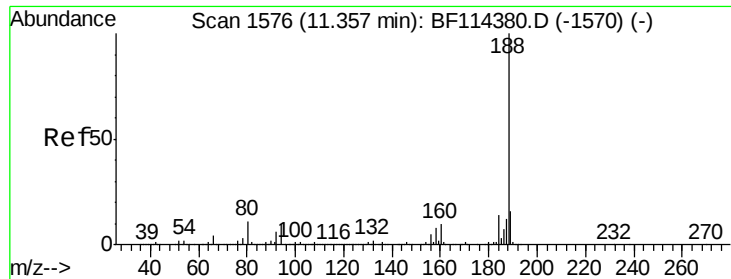
#45
 2-Fluorobiphenyl
 Concen: 13.988 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF114398.D
 Acq: 18 May 2019 18:23

Tgt Ion:172 Resp: 382583
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.7 46.1
 170 22.9 20.5 30.7



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

Instrument :

BNA_F

ClientSampleId :

OR-02-051619-B

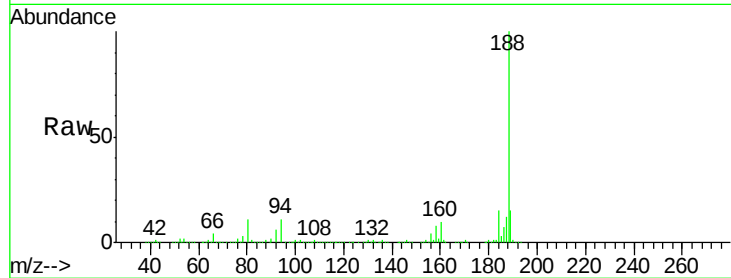
Tgt Ion:188 Resp: 775238

Ion Ratio Lower Upper

188 100

94 10.8 8.4 12.6

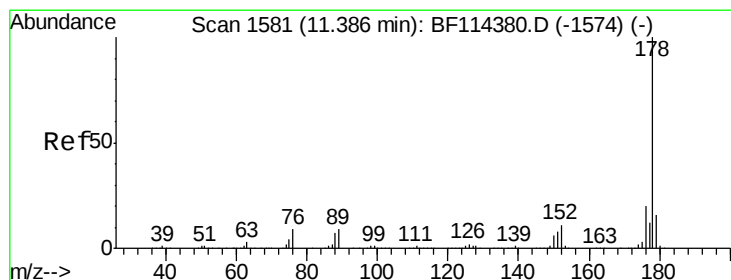
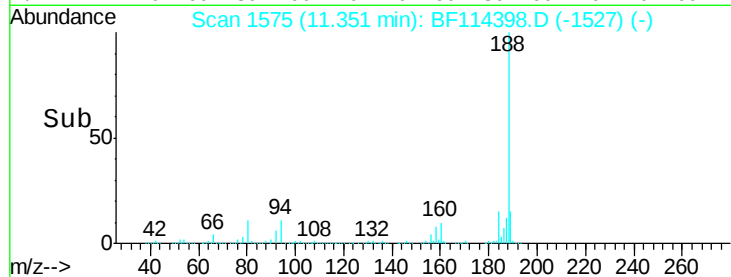
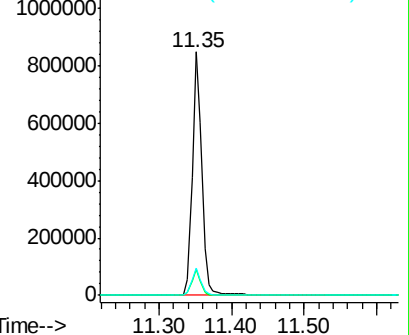
80 11.2 9.2 13.8



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



#71

Phenanthrene

Concen: 2.613 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

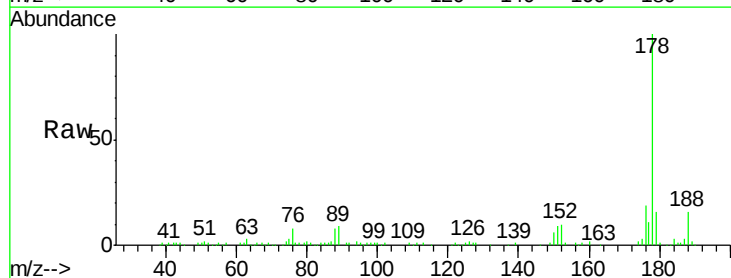
Tgt Ion:178 Resp: 98553

Ion Ratio Lower Upper

178 100

176 18.9 16.4 24.6

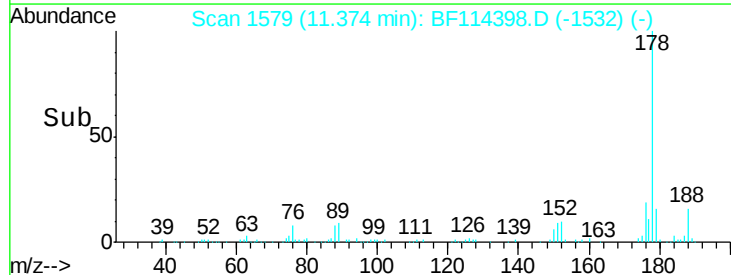
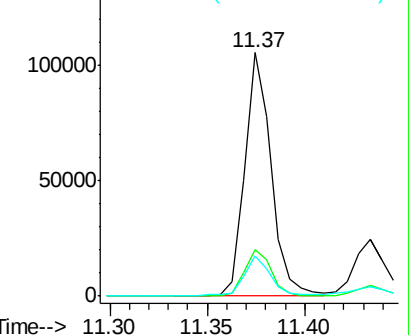
179 16.4 13.2 19.8

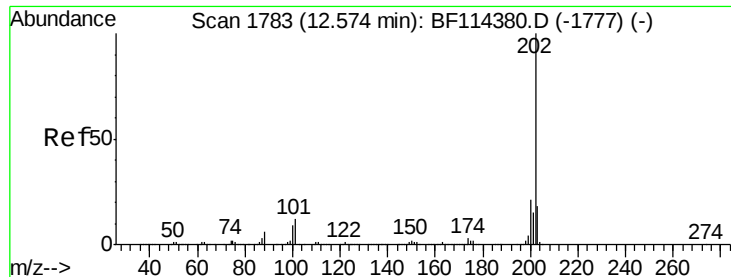


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.502 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

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OR-02-051619-B

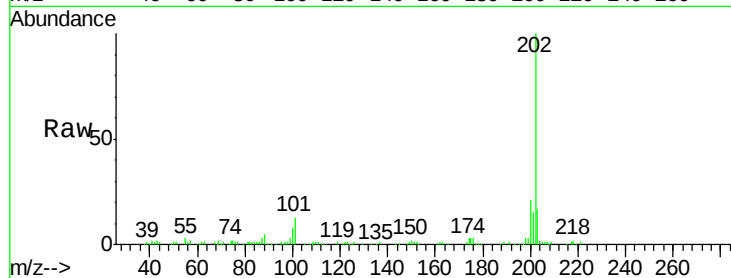
Tgt Ion:202 Resp: 101623

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.0

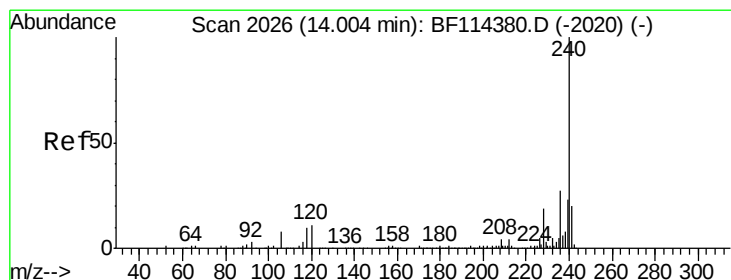
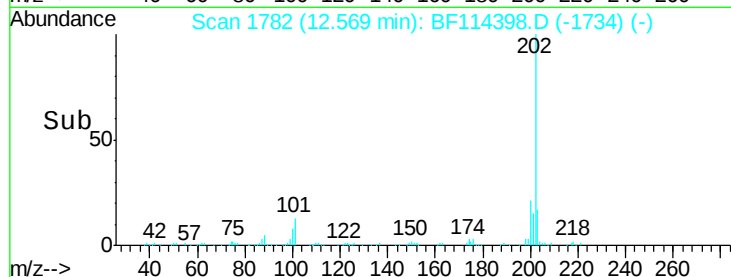
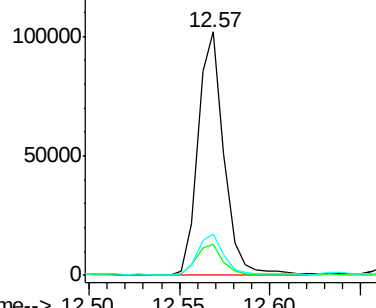
203 17.1 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.03 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

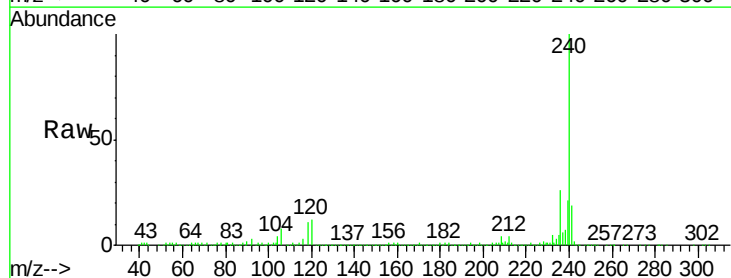
Tgt Ion:240 Resp: 474355

Ion Ratio Lower Upper

240 100

120 12.5 8.3 12.5

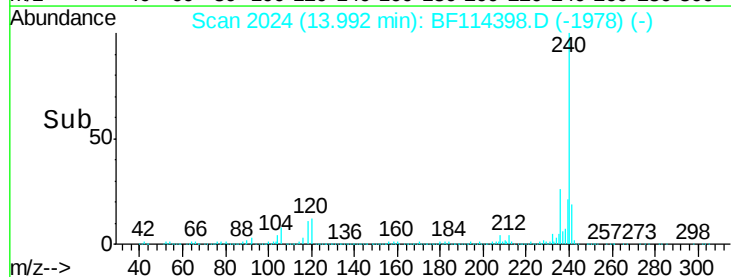
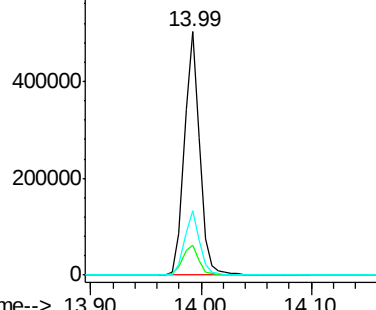
236 26.3 20.8 31.2

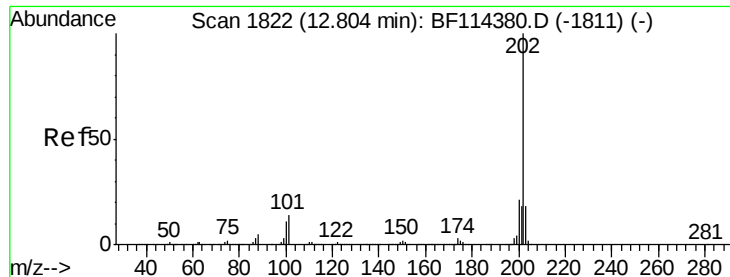


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

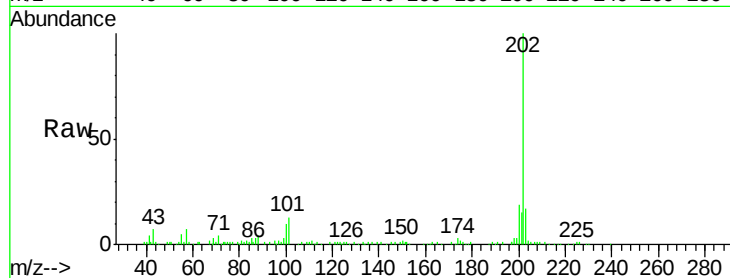




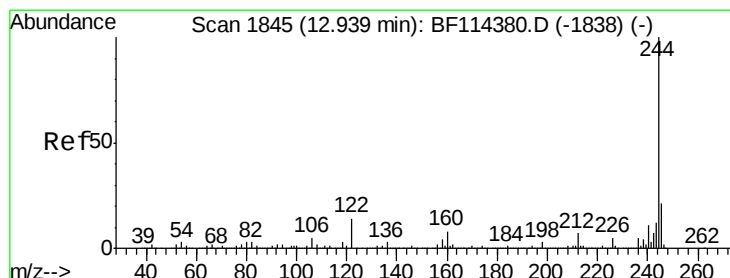
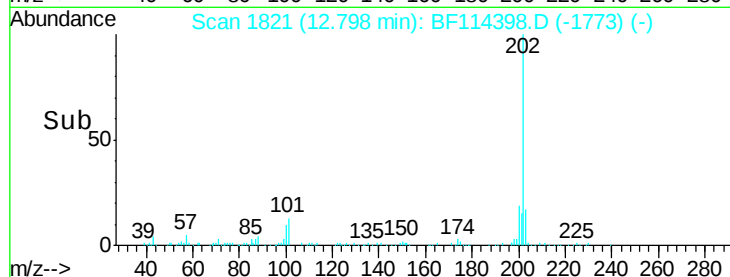
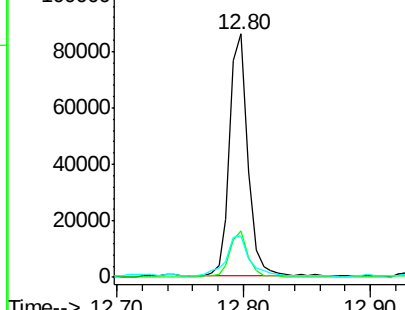
#78
 Pyrene
 Concen: 2.254 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.02 min
 Lab File: BF114398.D
 Acq: 18 May 2019 18:23

Instrument :
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 OR-02-051619-B

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.1	16.9	25.3
203	17.1	14.5	21.7

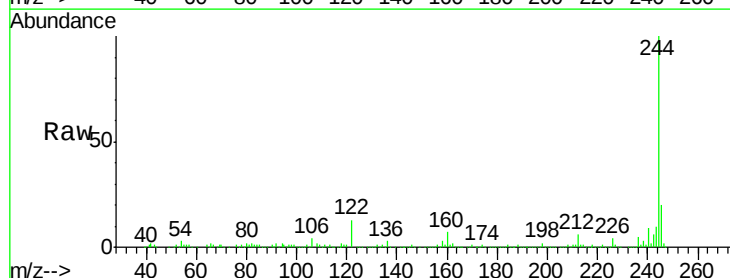


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

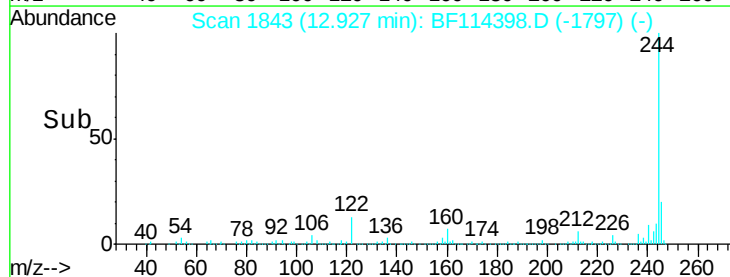
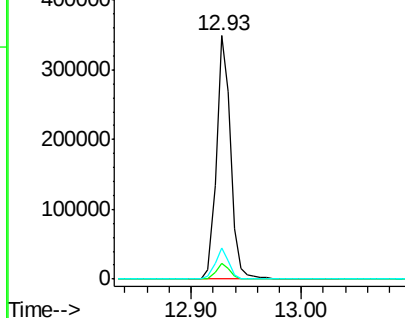


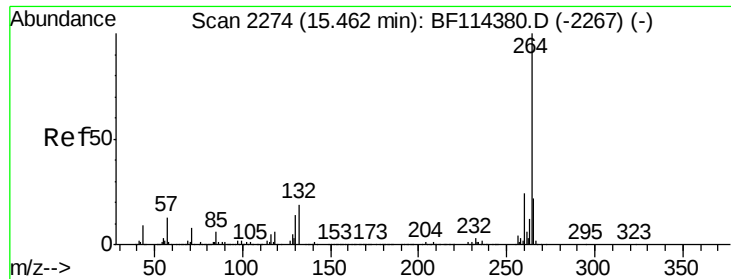
#79
 Terphenyl-d14
 Concen: 13.389 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.03 min
 Lab File: BF114398.D
 Acq: 18 May 2019 18:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	12.7	9.4	14.2



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: 15.46 min Scan# 2273
Delta R.T. -0.05 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

Instrument :
BNA_F
ClientSampleId :
OR-02-051619-B

Tgt Ion:264 Resp: 546676
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 21.4 16.9 25.3

