

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080519\
 Data File : BF115998.D
 Acq On : 5 Aug 2019 23:34
 Operator : HP/JU
 Sample : K4095-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-A

Quant Time: Aug 06 01:40:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

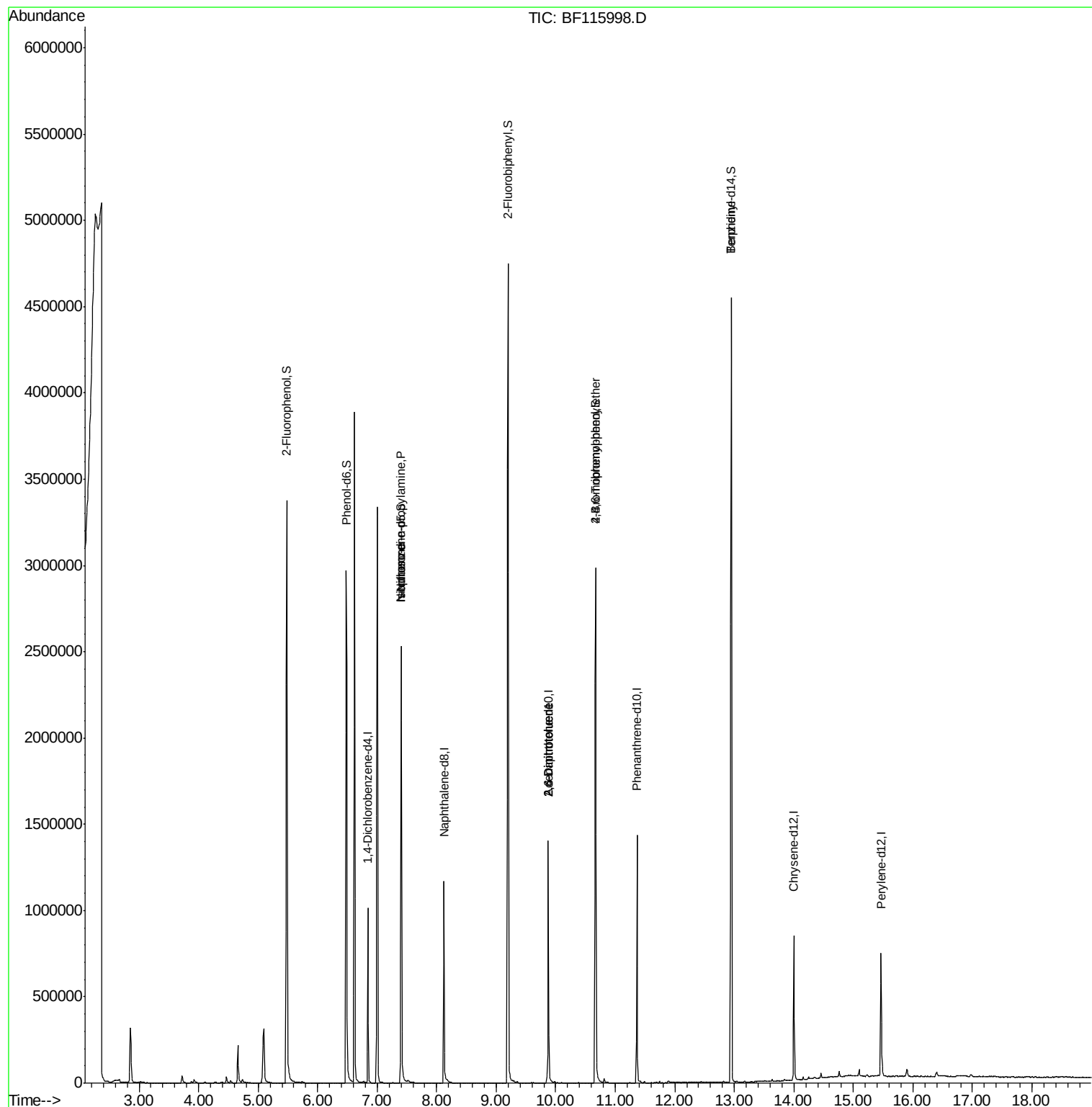
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	149207	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	556265	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	294088	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	503878	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	309996	20.00	ng	-0.02
87) Perylene-d12	15.46	264	346044	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1042181	116.93	ng	0.01
7) Phenol-d6	6.48	99	1221376	108.61	ng	0.00
23) Nitrobenzene-d5	7.40	82	978382	101.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	410494	143.97	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1641302	104.54	ng	-0.02
79) Terphenyl-d14	12.95	244	1744025	118.55	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	131864	18.923	ng	# 78
25) Isophorone	7.40	82	978370	53.094	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	38415	8.828	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	38415	6.630	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	25138	4.660	ng	# 1
77) Benzidine	12.95	184	24278	2.318	ng	98

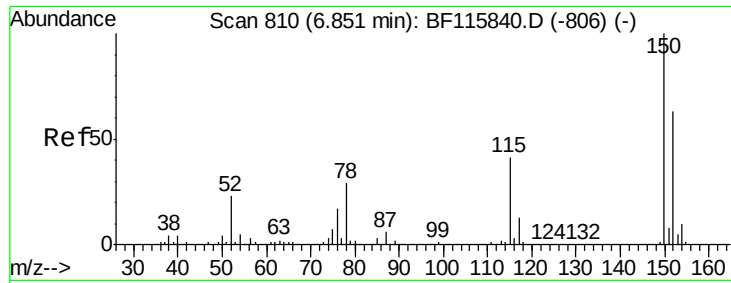
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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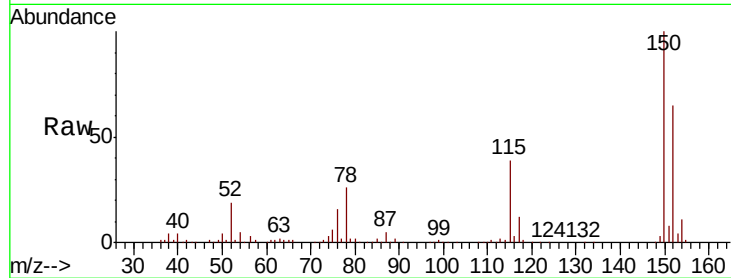




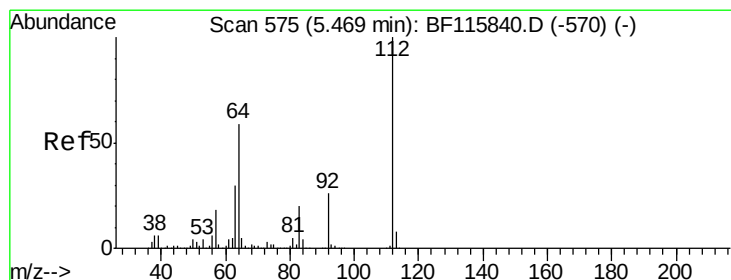
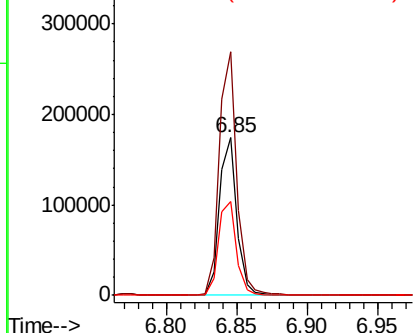
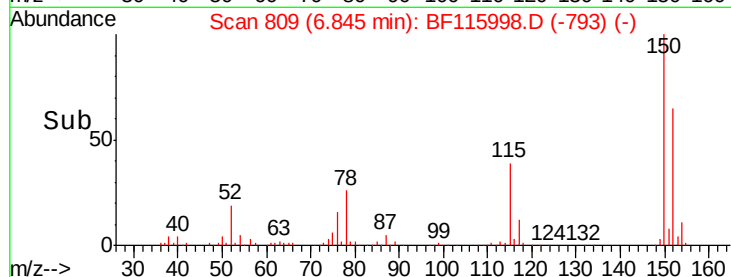
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF115998.D
 Acq: 5 Aug 2019 23:34

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-A

Tgt Ion:152 Resp: 149207
 Ion Ratio Lower Upper
 152 100
 150 154.8 127.4 191.0
 115 59.9 51.8 77.8

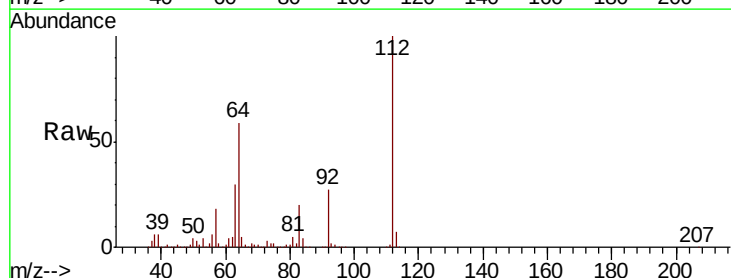


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

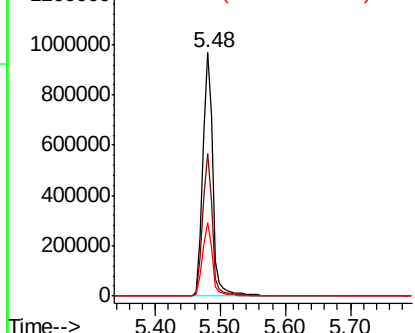
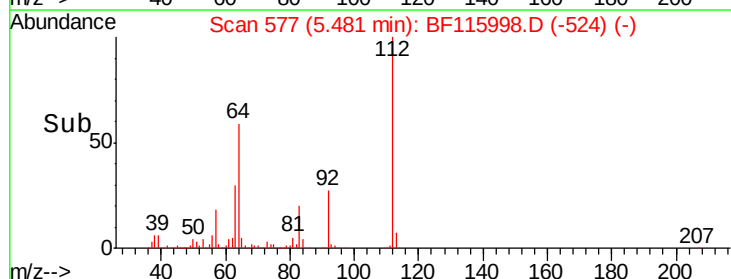


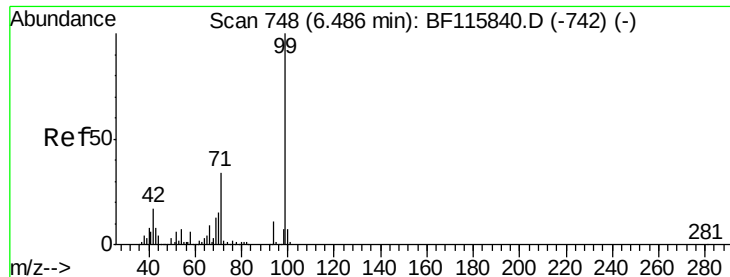
#5
 2-Fluorophenol
 Concen: 116.930 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF115998.D
 Acq: 5 Aug 2019 23:34

Tgt Ion:112 Resp: 1042181
 Ion Ratio Lower Upper
 112 100
 64 58.7 46.8 70.2
 63 30.4 24.2 36.2



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: 108.613 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115998.D

Acq: 5 Aug 2019 23:34

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

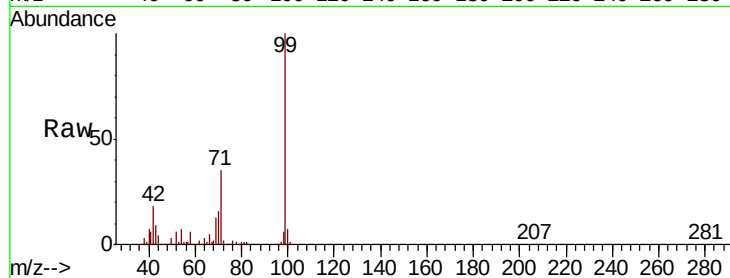
Tgt Ion: 99 Resp: 1221376

Ion Ratio Lower Upper

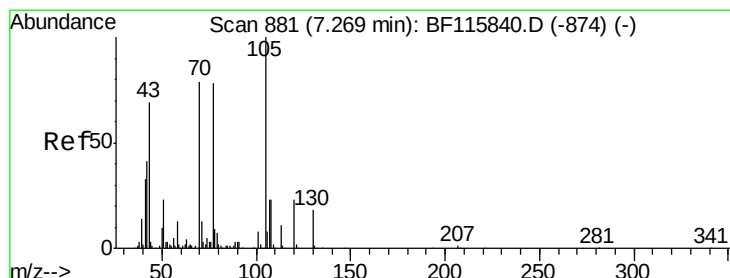
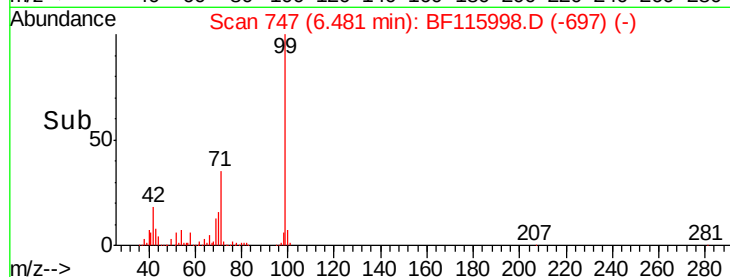
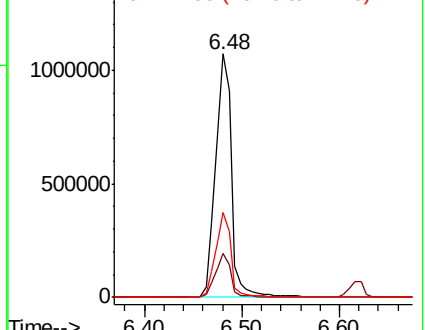
99 100

42 17.8 13.8 20.6

71 34.8 27.1 40.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.923 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF115998.D

Acq: 5 Aug 2019 23:34

Tgt Ion: 70 Resp: 131864

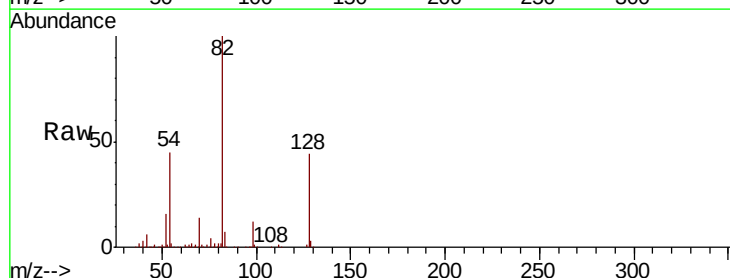
Ion Ratio Lower Upper

70 100

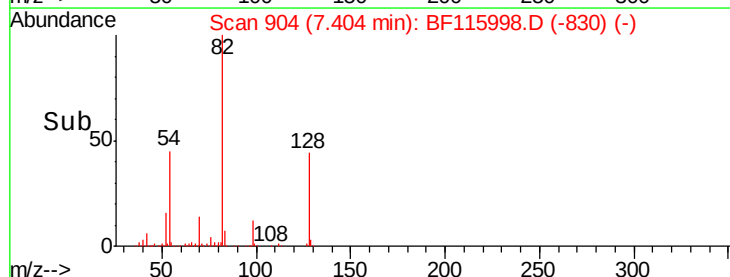
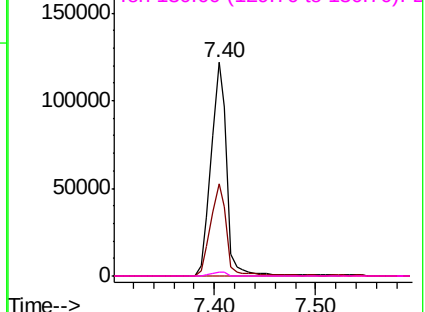
42 43.3 41.8 62.8

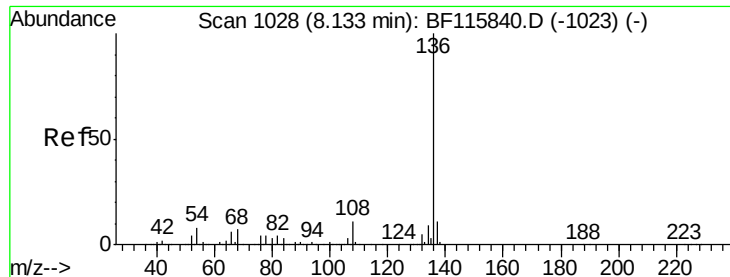
101 0.0 7.7 11.5#

130 2.1 17.8 26.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

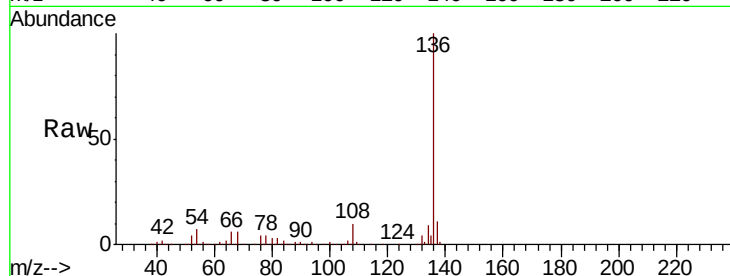




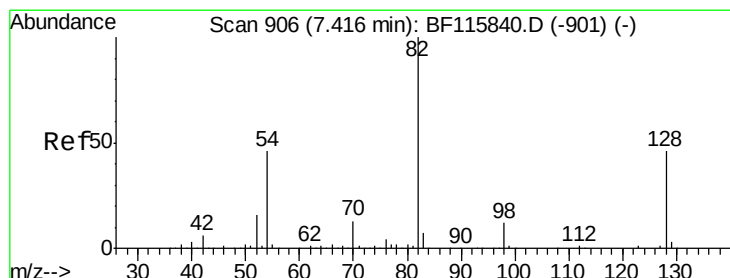
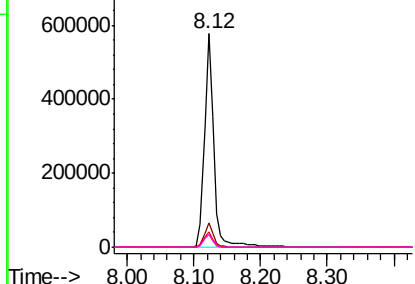
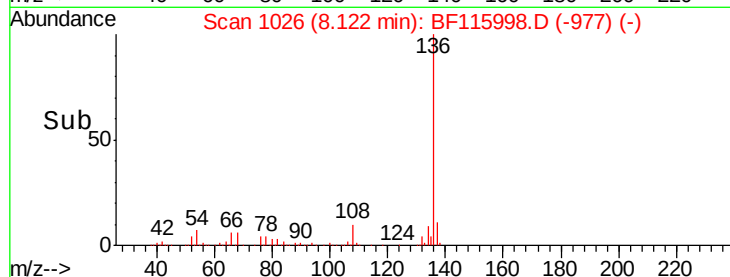
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF115998.D
Acq: 5 Aug 2019 23:34

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-A

Tgt Ion:	136	Resp:	556265
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.1	6.1	9.1
68	5.8	5.4	8.2

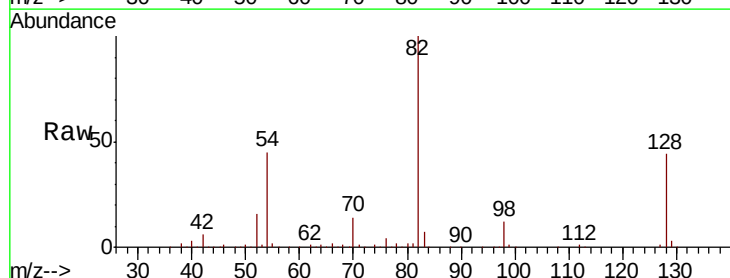


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

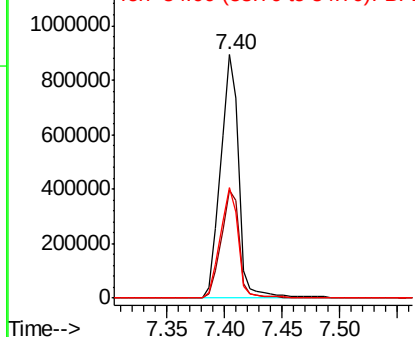
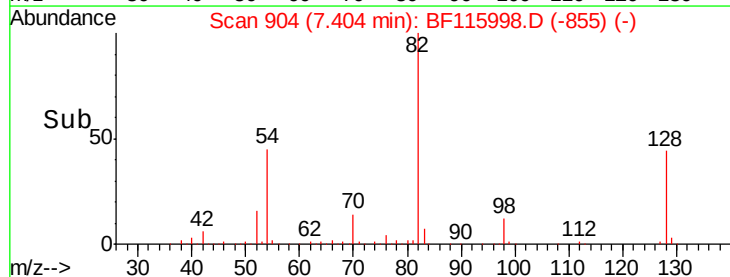


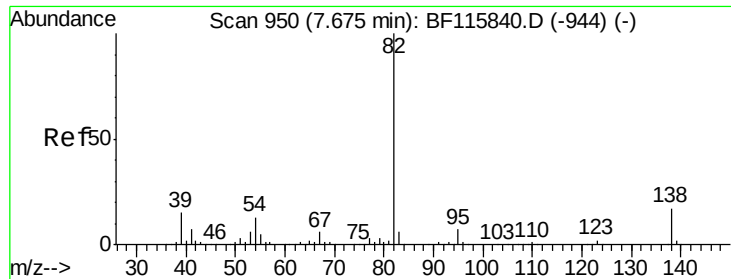
#23
Nitrobenzene-d5
Concen: 101.526 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF115998.D
Acq: 5 Aug 2019 23:34

Tgt Ion:	82	Resp:	978382
Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.6	55.0
54	45.4	36.6	55.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.094 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF115998.D

Acq: 5 Aug 2019 23:34

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

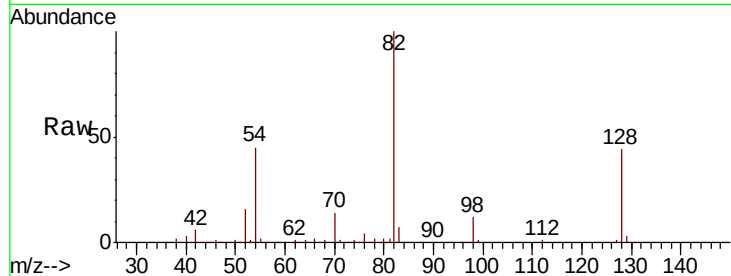
Tgt Ion: 82 Resp: 978370

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

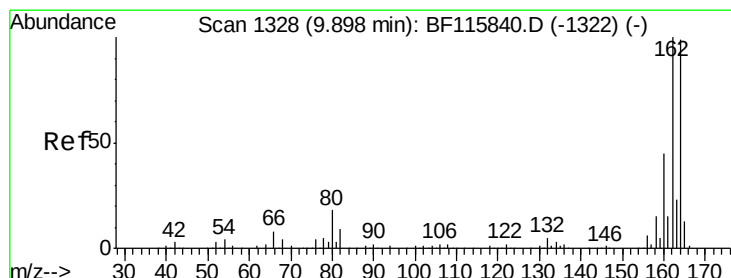
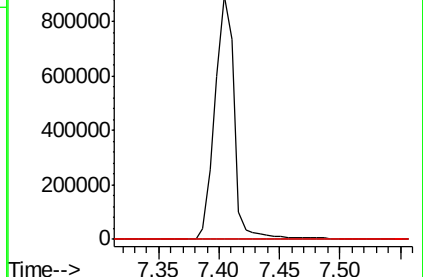
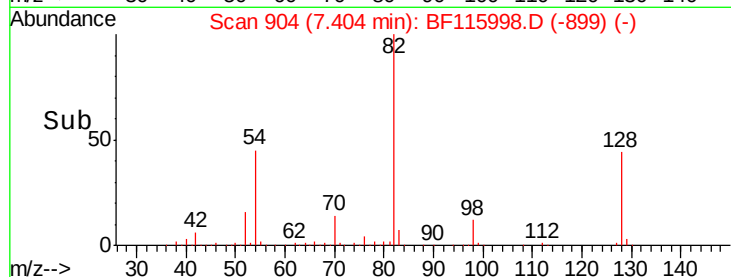
138 0.0 13.9 20.9#



Abundance Ion 82.00 (81.70 to 82.70): BF115998.D (-899) (-)

Ion 95.00 (94.70 to 95.70): BF115998.D (-899) (-)

Ion 138.00 (137.70 to 138.70): BF115998.D (-899) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF115998.D

Acq: 5 Aug 2019 23:34

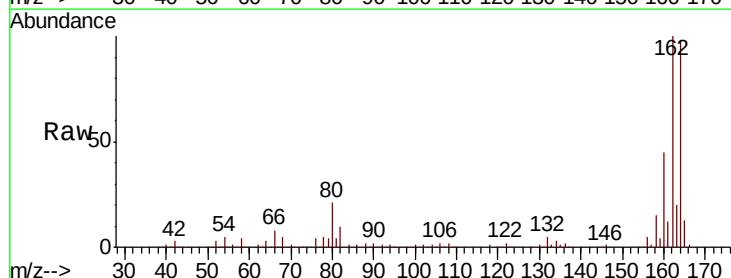
Tgt Ion: 164 Resp: 294088

Ion Ratio Lower Upper

164 100

162 102.2 80.8 121.2

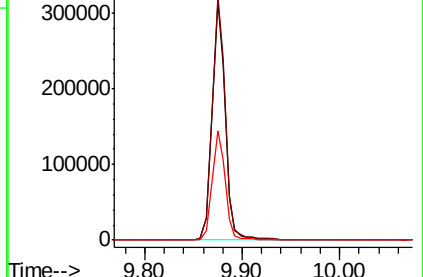
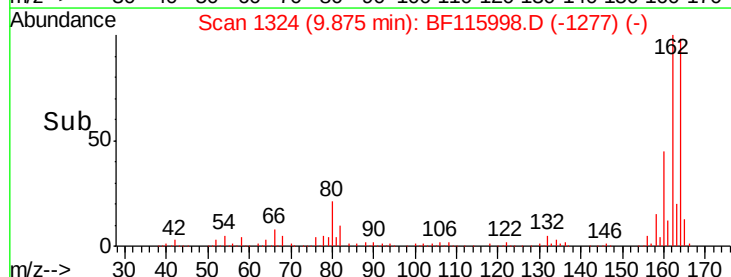
160 46.1 36.2 54.4

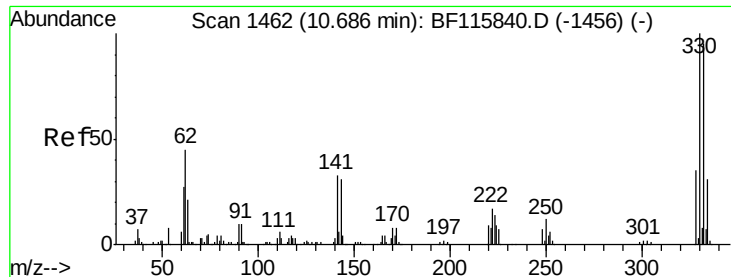


Abundance Ion 164.00 (163.70 to 164.70): BF115998.D (-1277) (-)

Ion 162.00 (161.70 to 162.70): BF115998.D (-1277) (-)

Ion 160.00 (159.70 to 160.70): BF115998.D (-1277) (-)

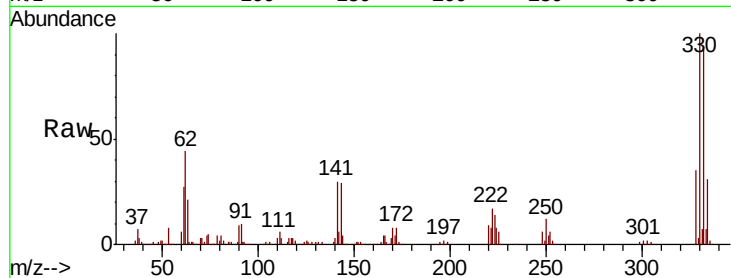




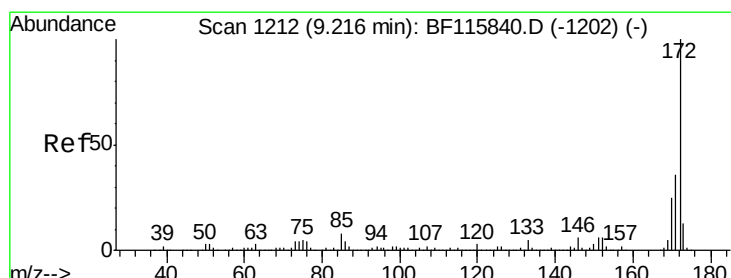
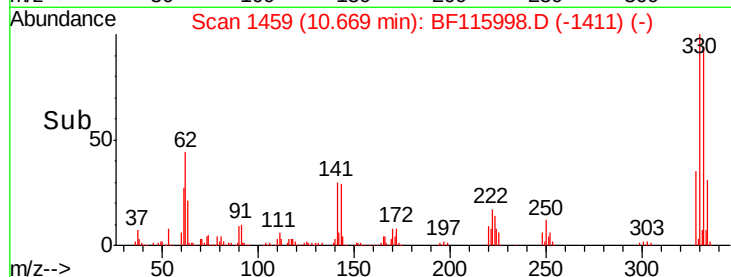
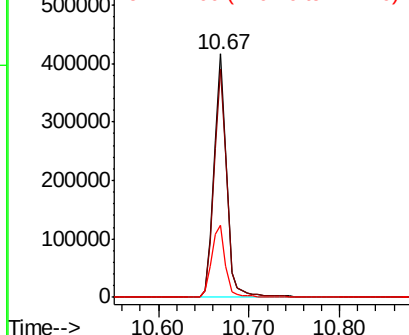
#42
 2,4,6-Tribromophenol
 Concen: 143.969 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF115998.D
 Acq: 5 Aug 2019 23:34

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-A

Tgt Ion:330 Resp: 410494
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.7 116.5
 141 33.1 28.1 42.1

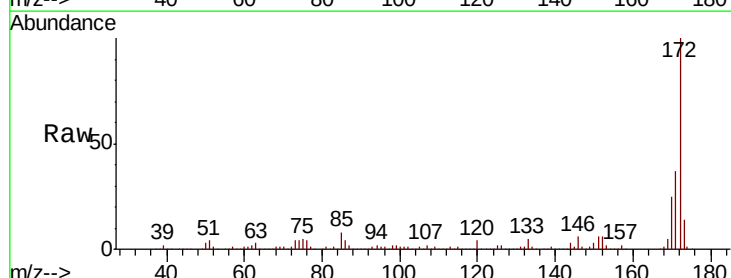


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

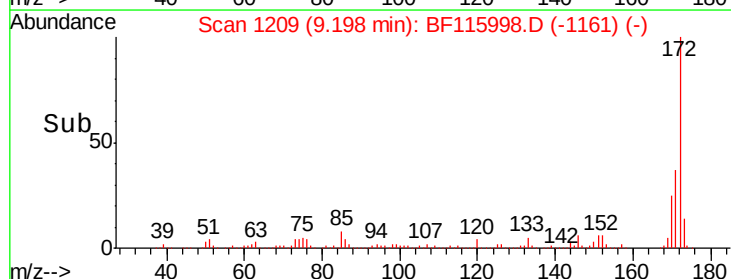
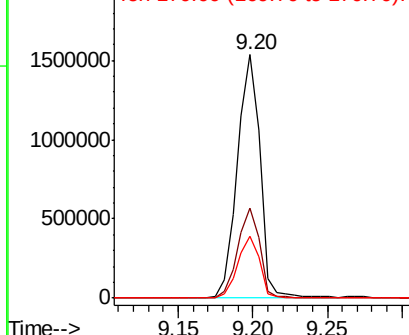


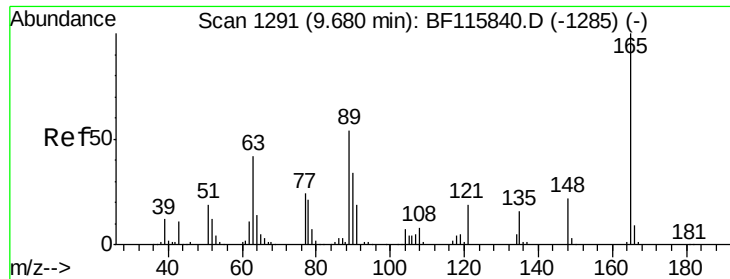
#45
 2-Fluorobiphenyl
 Concen: 104.536 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF115998.D
 Acq: 5 Aug 2019 23:34

Tgt Ion:172 Resp: 1641302
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.1 43.7
 170 25.5 20.1 30.1



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

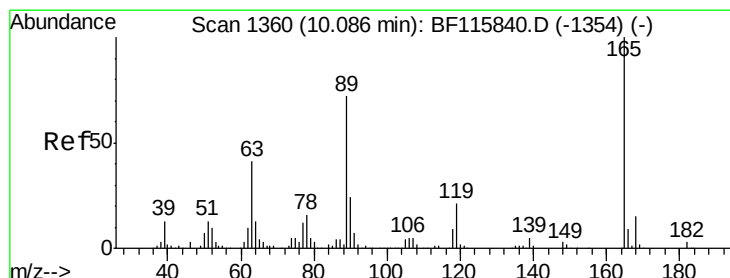
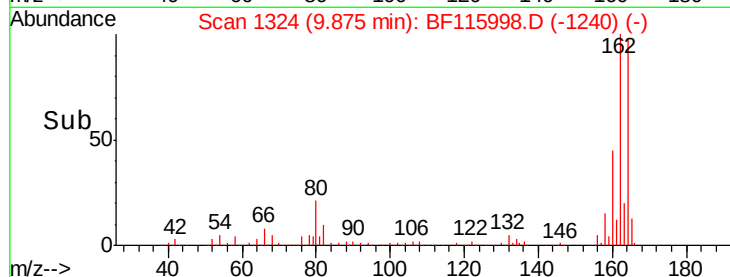
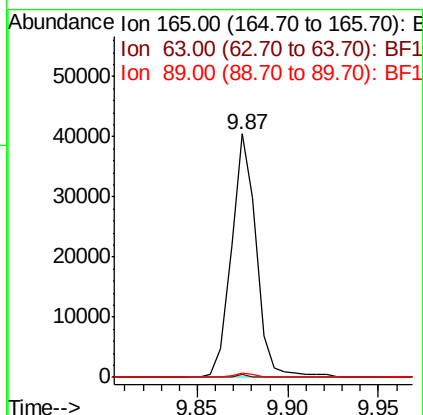
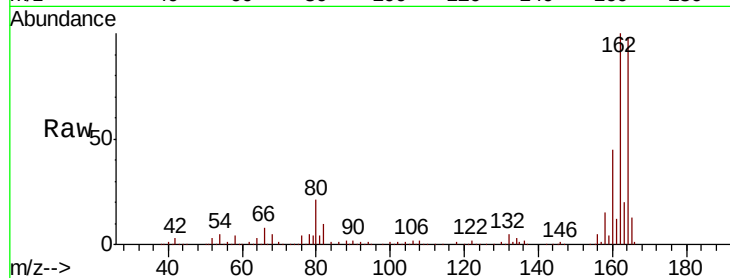




#51
 2,6-Dinitrotoluene
 Concen: 8.828 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF115998.D
 Acq: 5 Aug 2019 23:34

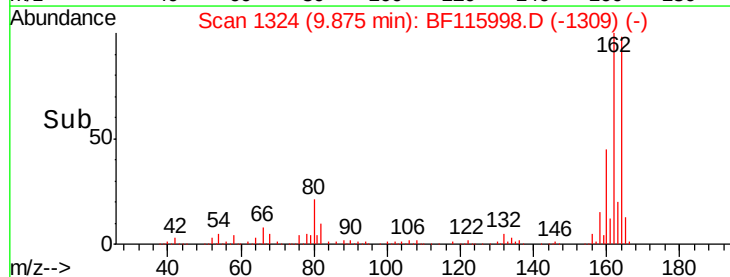
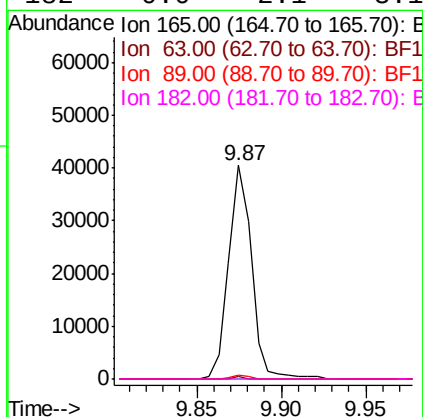
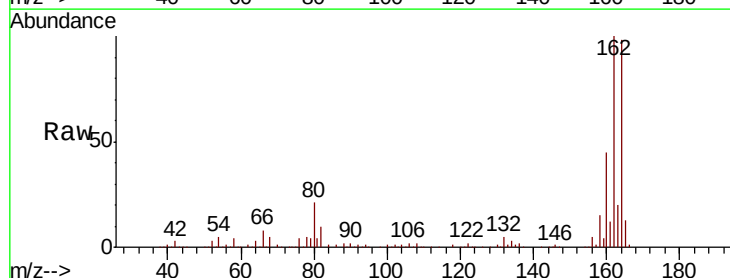
Instrument :
 BNA_F
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 SU-02-080219-A

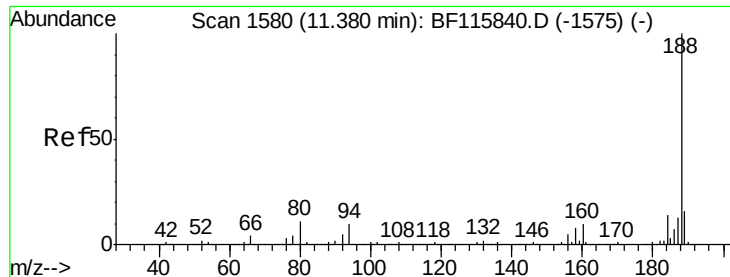
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.4	59.2#
89	1.6	43.0	64.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.630 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF115998.D
 Acq: 5 Aug 2019 23:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	33.2	49.8#
89	1.6	57.3	85.9#
182	0.0	2.1	3.1#

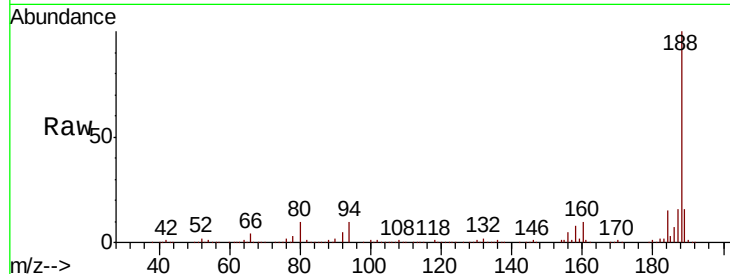




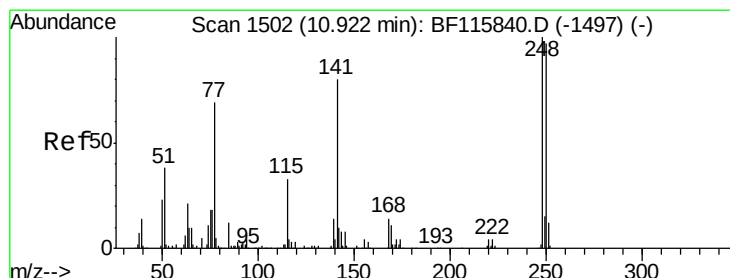
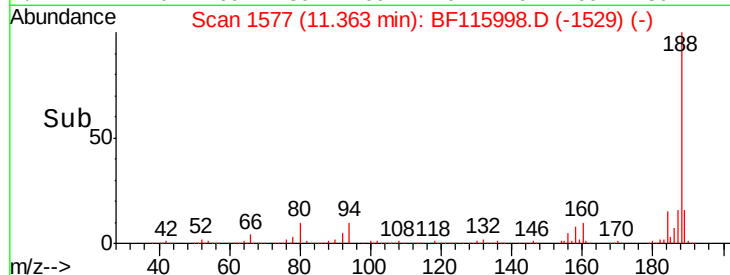
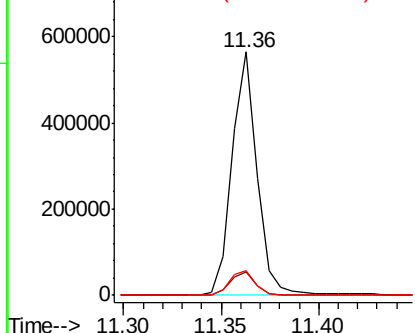
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF115998.D
 Acq: 5 Aug 2019 23:34

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-A

Tgt Ion:188 Resp: 503878
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.0 12.0
 80 10.4 8.6 12.8

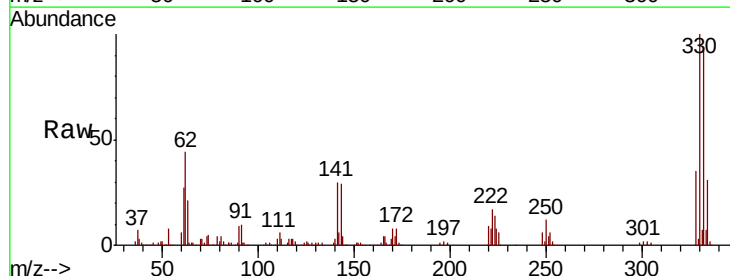


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

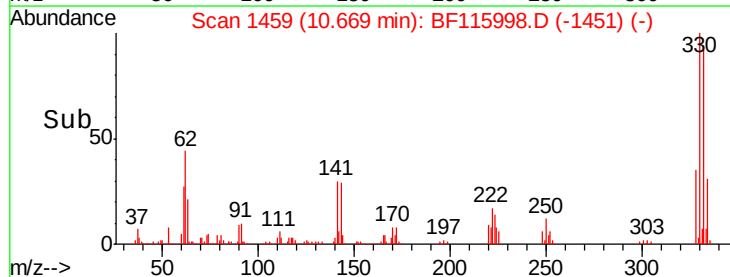
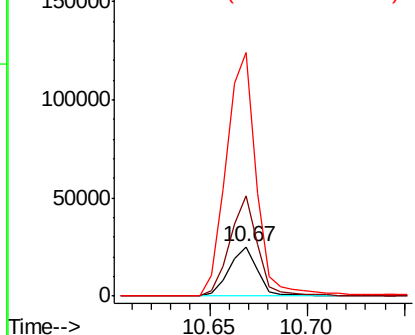


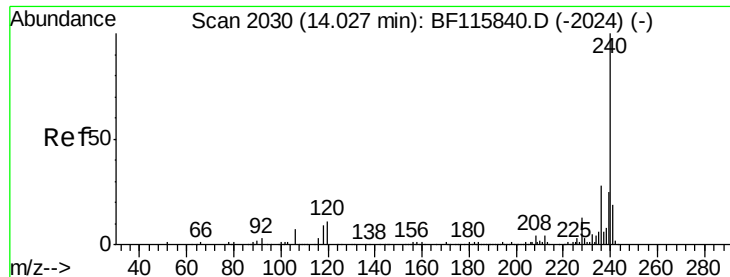
#67
 4-Bromophenyl-phenylether
 Concen: 4.660 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF115998.D
 Acq: 5 Aug 2019 23:34

Tgt Ion:248 Resp: 25138
 Ion Ratio Lower Upper
 248 100
 250 205.0 77.8 116.6#
 141 495.2 64.3 96.5#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BF115998.D

Acq: 5 Aug 2019 23:34

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

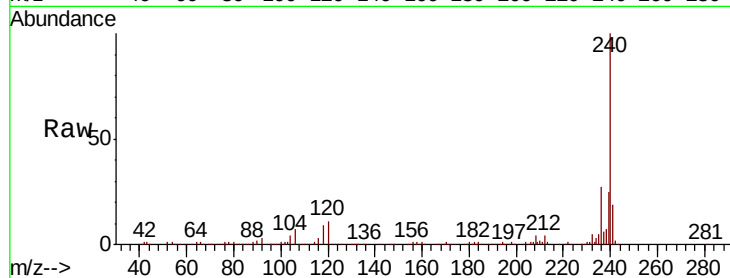
Tgt Ion:240 Resp: 309996

Ion Ratio Lower Upper

240 100

120 10.5 8.5 12.7

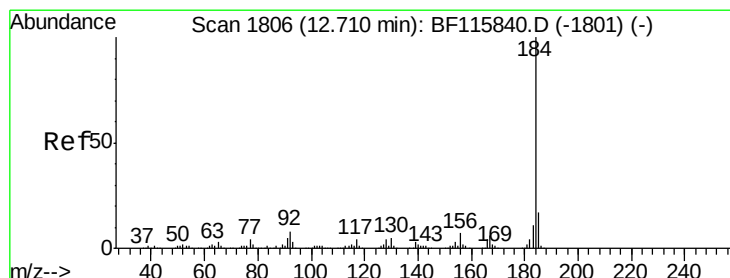
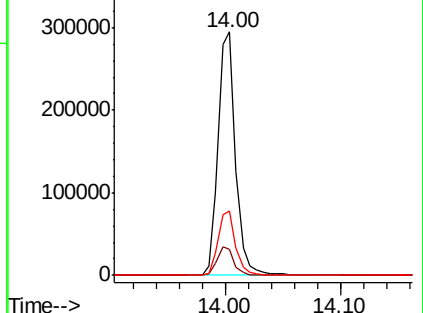
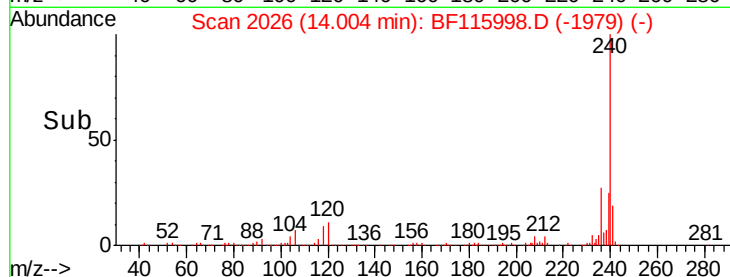
236 26.6 22.2 33.2



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



#77

Benzidine

Concen: 2.318 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.24 min

Lab File: BF115998.D

Acq: 5 Aug 2019 23:34

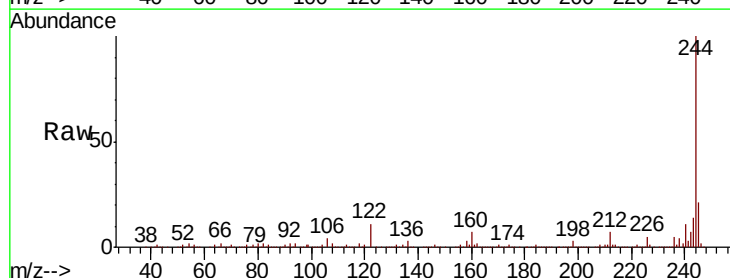
Tgt Ion:184 Resp: 24278

Ion Ratio Lower Upper

184 100

185 17.5 13.4 20.2

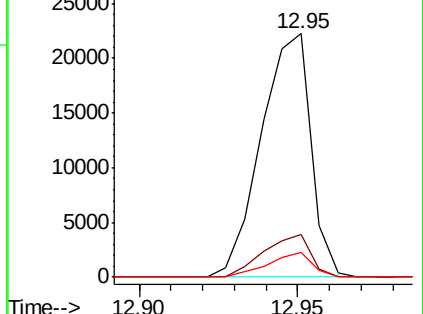
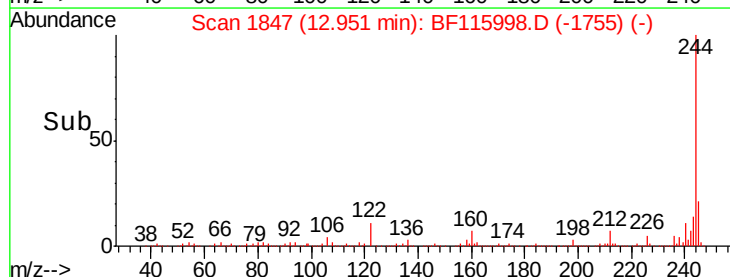
183 10.3 9.1 13.7

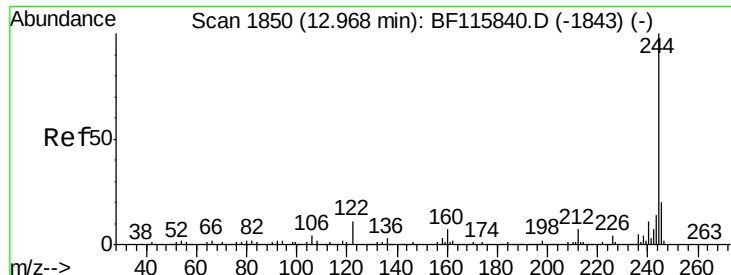


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 118.548 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BF115998.D

Acq: 5 Aug 2019 23:34

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-A

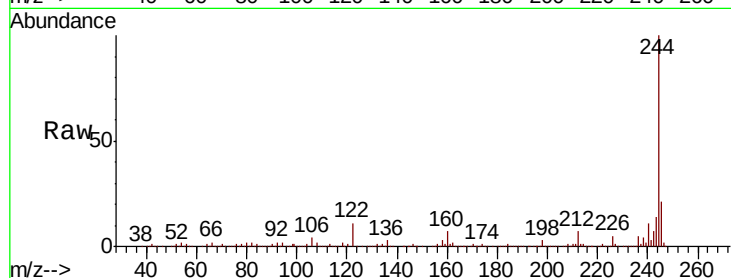
Tgt Ion:244 Resp: 1744025

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

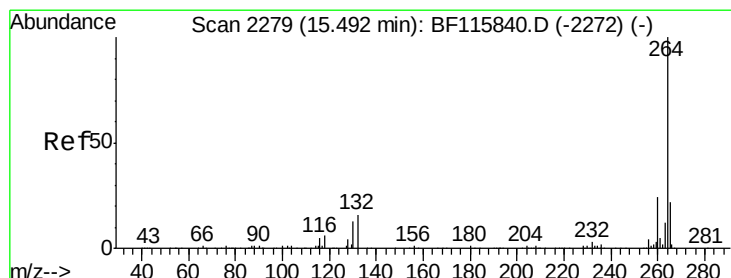
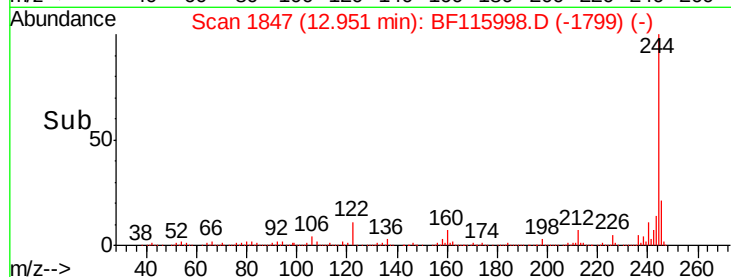
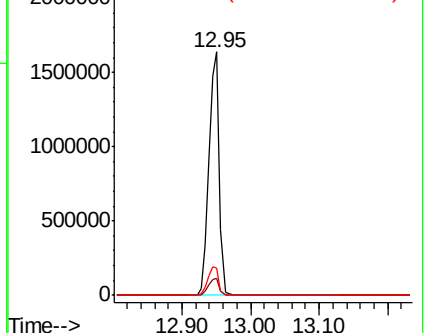
122 11.1 8.6 13.0



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: 15.46 min Scan# 2274

Delta R.T. -0.03 min

Lab File: BF115998.D

Acq: 5 Aug 2019 23:34

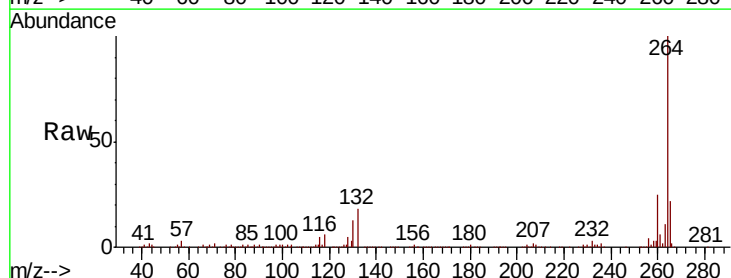
Tgt Ion:264 Resp: 346044

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

265 22.0 17.5 26.3



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

