

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080119\
 Data File : BF115911.D
 Acq On : 1 Aug 2019 17:28
 Operator : HP/JU
 Sample : K4107-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-2

Quant Time: Aug 02 05:00:01 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

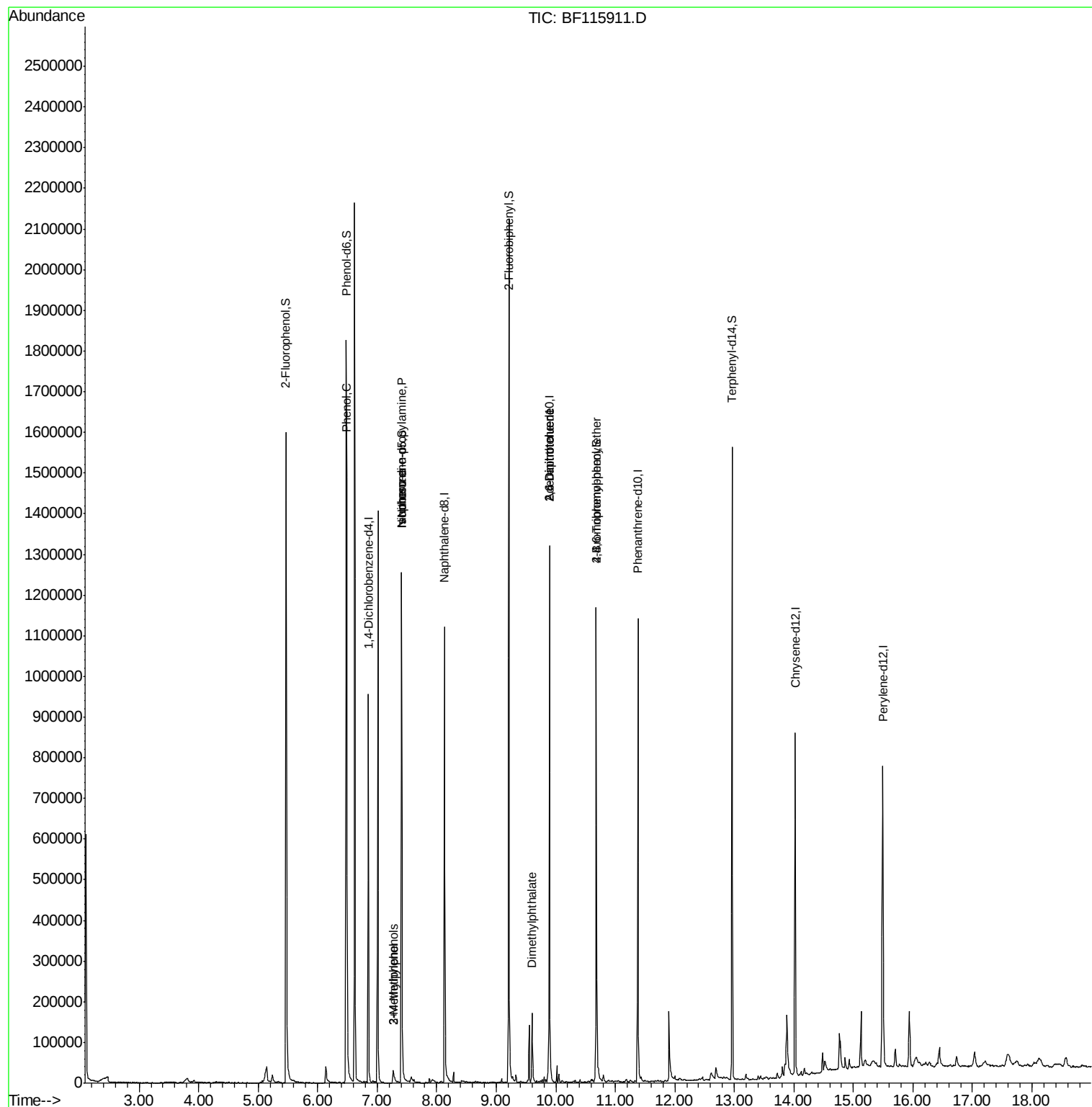
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	130226	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	501698	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	260344	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	404496	20.00	ng	0.00
76) Chrysene-d12	14.02	240	275141	20.00	ng	0.00
87) Perylene-d12	15.49	264	339467	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	496538	63.83	ng	0.00
7) Phenol-d6	6.48	99	668989	68.16	ng	0.00
23) Nitrobenzene-d5	7.41	82	389550	44.82	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	145745	57.74	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	597535	42.99	ng	0.00
79) Terphenyl-d14	12.96	244	505291	38.70	ng	0.00
Target Compounds						
10) Phenol	6.49	94	66583	5.761	ng	Qvalue 96
17) 2-Methylphenol	7.27	107	18993	2.608	ng	# 71
19) n-Nitroso-di-n-propylamine	7.41	70	52460	8.626	ng	# 79
20) 3+4-Methylphenols	7.27	107	18993	2.204	ng	# 66
25) Isophorone	7.41	82	389546	23.439	ng	# 66
50) Dimethylphthalate	9.60	163	69908	3.944	ng	100
51) 2,6-Dinitrotoluene	9.89	165	33448	8.683	ng	# 28
57) 2,4-Dinitrotoluene	9.89	165	33448	6.521	ng	# 25
67) 4-Bromophenyl-phenylether	10.68	248	8667	2.002	ng	# 1

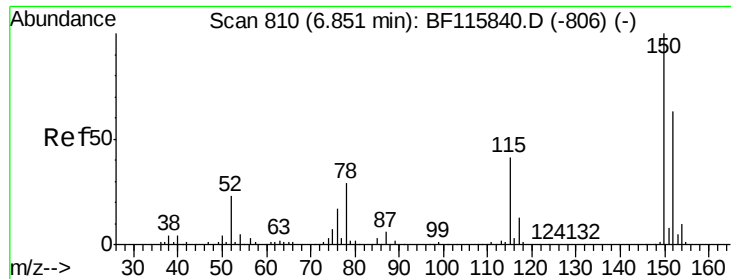
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF115911.D

Acq: 1 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

T-2

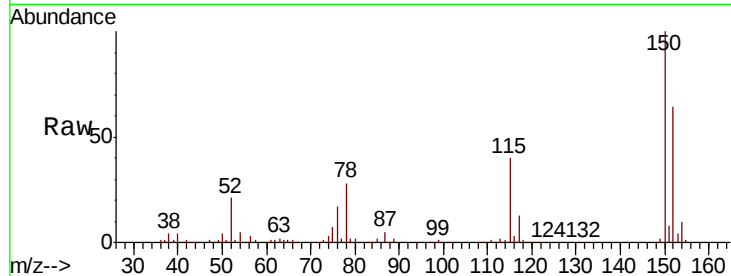
Tgt Ion:152 Resp: 130226

Ion Ratio Lower Upper

152 100

150 156.0 127.4 191.0

115 62.2 51.8 77.8

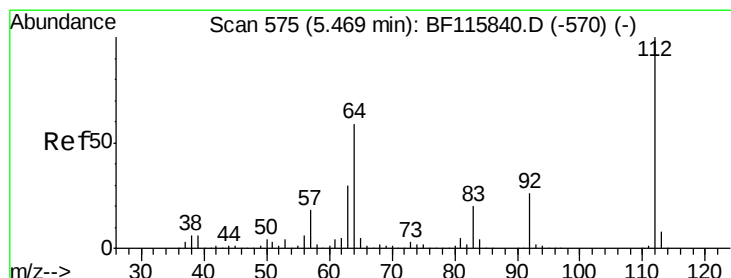
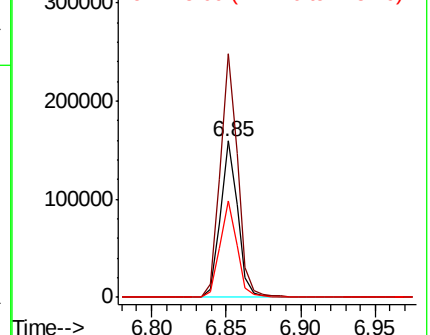
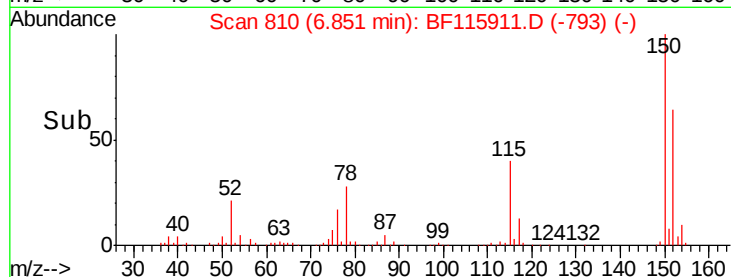


Abundance

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: 63.830 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.00 min

Lab File: BF115911.D

Acq: 1 Aug 2019 17:28

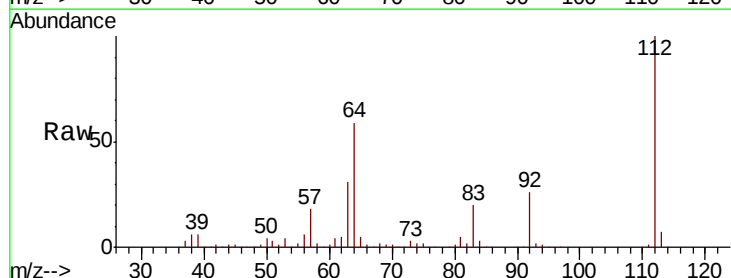
Tgt Ion:112 Resp: 496538

Ion Ratio Lower Upper

112 100

64 58.9 46.8 70.2

63 31.0 24.2 36.2

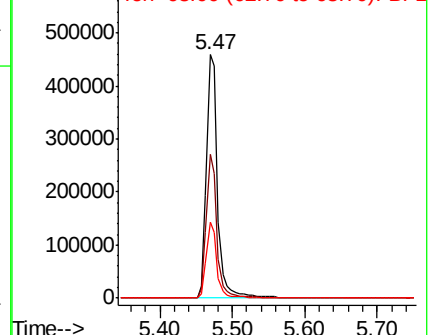
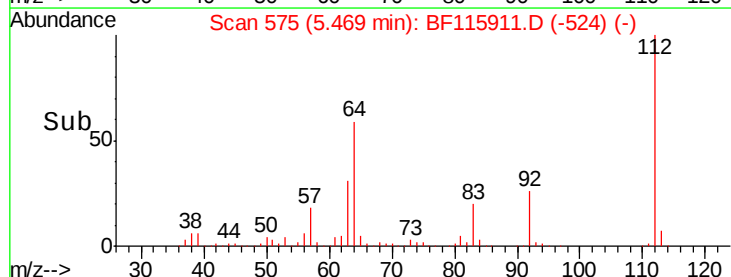


Abundance

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: 68.162 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115911.D

Acq: 1 Aug 2019 17:28

Instrument :

BNA_F

ClientSampleId :

T-2

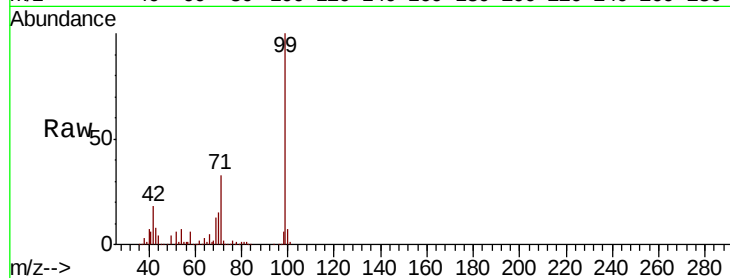
Tgt Ion: 99 Resp: 668989

Ion Ratio Lower Upper

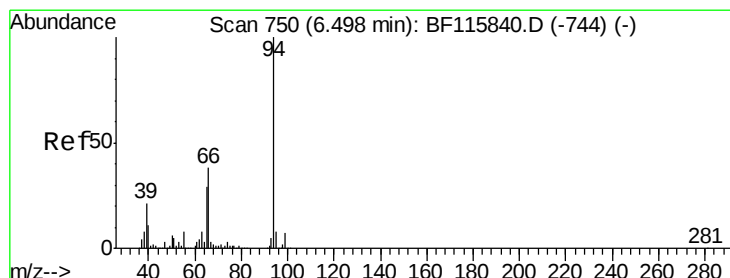
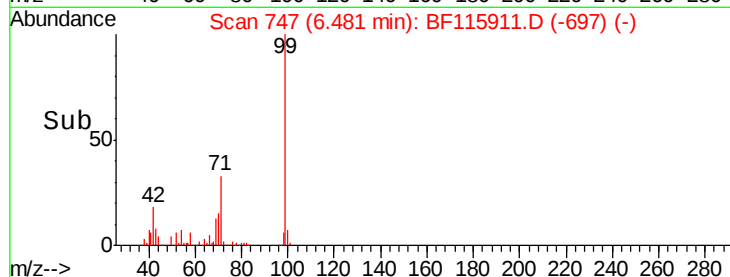
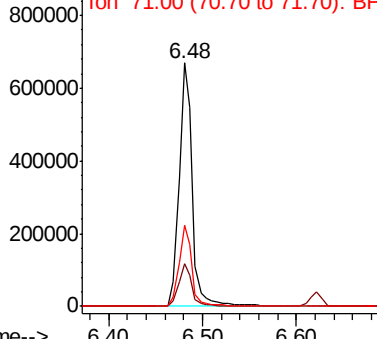
99 100

42 17.6 13.8 20.6

71 33.3 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



#10

Phenol

Concen: 5.761 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115911.D

Acq: 1 Aug 2019 17:28

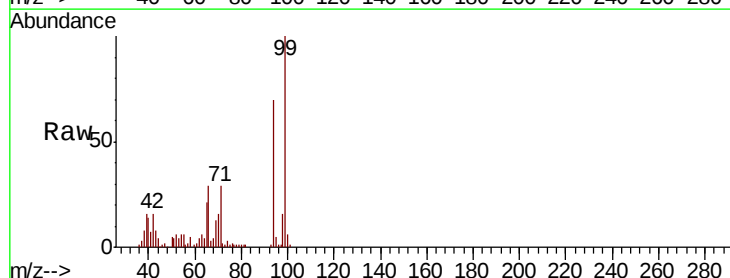
Tgt Ion: 94 Resp: 66583

Ion Ratio Lower Upper

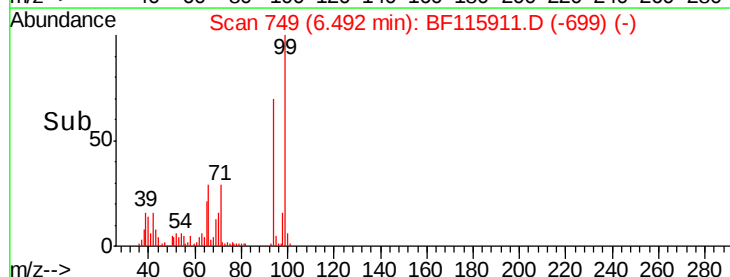
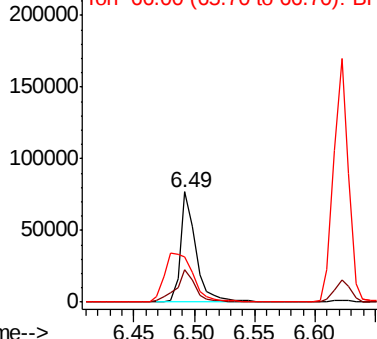
94 100

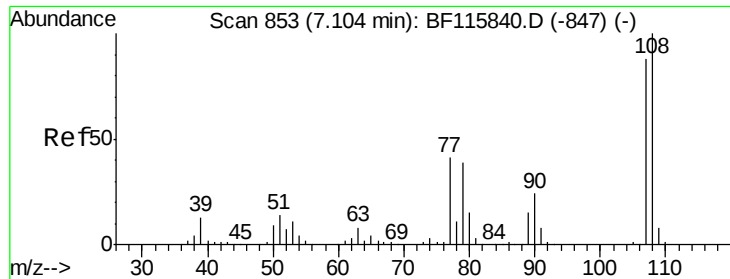
65 29.3 8.9 48.9

66 41.4 18.0 58.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

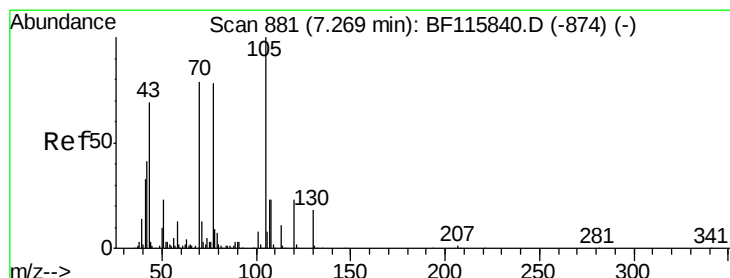
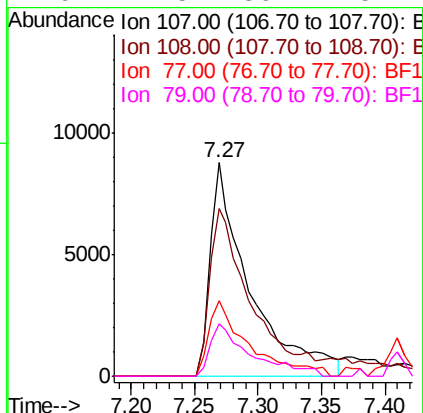
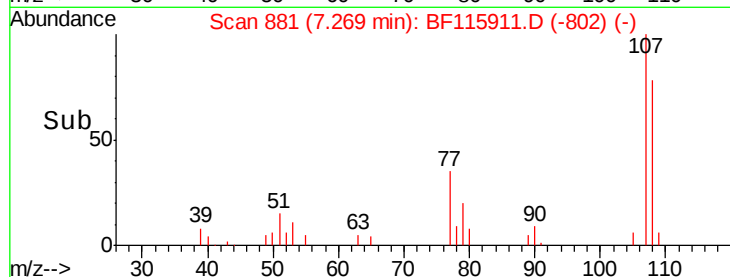
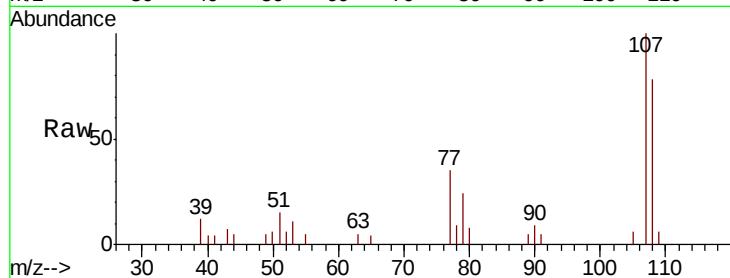




#17
 2-Methylphenol
 Concen: 2.608 ng
 RT: 7.27 min Scan# 881
 Delta R.T. 0.16 min
 Lab File: BF115911.D
 Acq: 1 Aug 2019 17:28

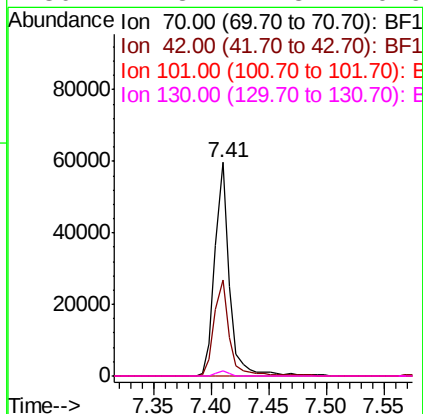
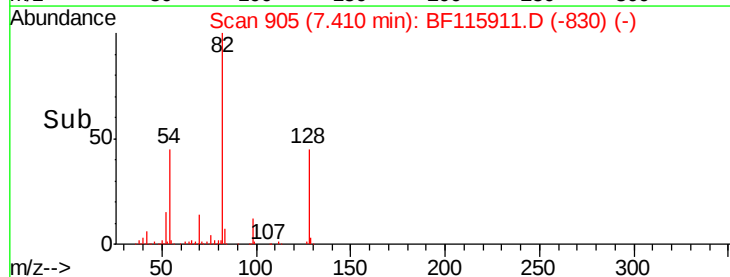
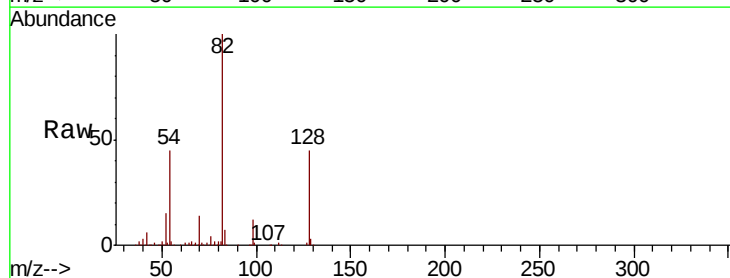
Instrument :
 BNA_F
 ClientSampleId :
 T-2

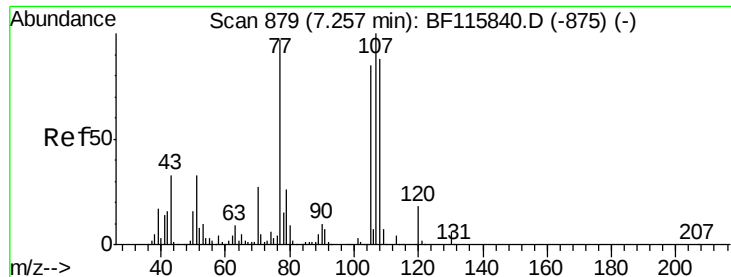
Tgt Ion: 107 Resp: 18993
 Ion Ratio Lower Upper
 107 100
 108 78.3 91.4 137.0#
 77 35.2 37.6 56.4#
 79 24.5 36.2 54.4#



#19
 n-Nitroso-di-n-propylamine
 Concen: 8.626 ng
 RT: 7.41 min Scan# 905
 Delta R.T. 0.14 min
 Lab File: BF115911.D
 Acq: 1 Aug 2019 17:28

Tgt Ion: 70 Resp: 52460
 Ion Ratio Lower Upper
 70 100
 42 44.8 41.8 62.8
 101 0.0 7.7 11.5#
 130 2.3 17.8 26.6#





#20

3+4-Methylphenols

Concen: 2.204 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF115911.D

Acq: 1 Aug 2019 17:28

Instrument :

BNA_F

ClientSampled :

T-2

Tgt Ion:107 Resp: 18993

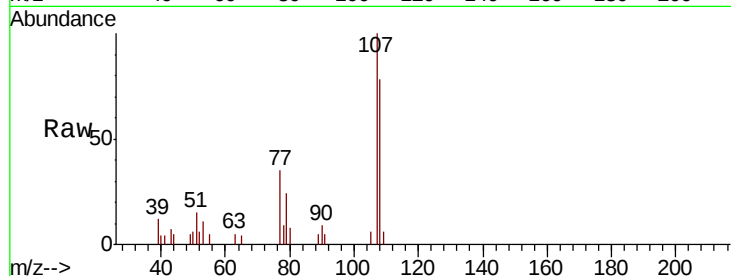
Ion Ratio Lower Upper

107 100

108 78.3 67.9 107.9

77 35.2 77.3 117.3#

79 24.5 6.6 46.6

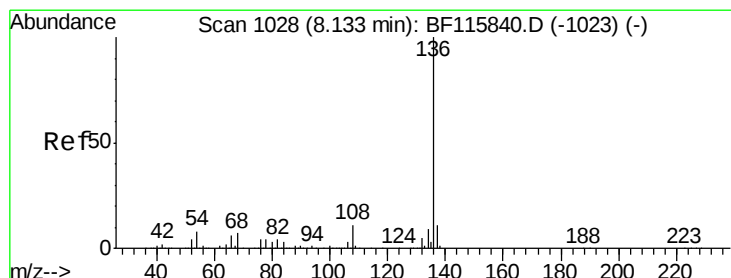
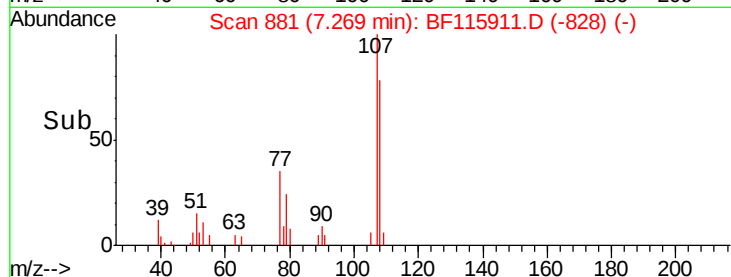
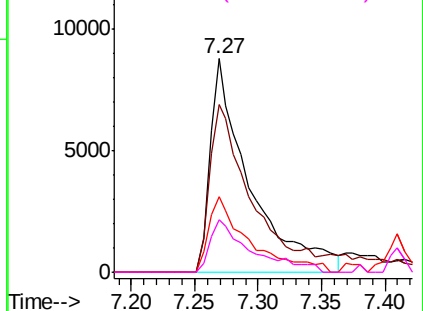


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115911.D

Acq: 1 Aug 2019 17:28

Tgt Ion:136 Resp: 501698

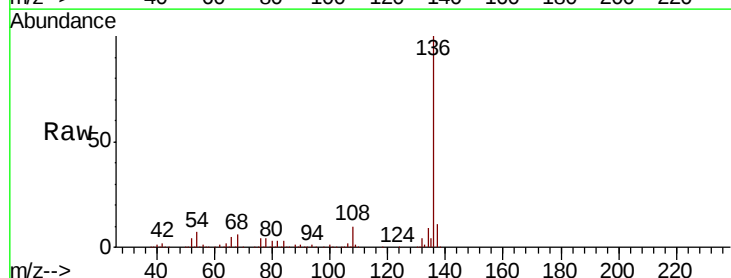
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.9 6.1 9.1

68 5.7 5.4 8.2

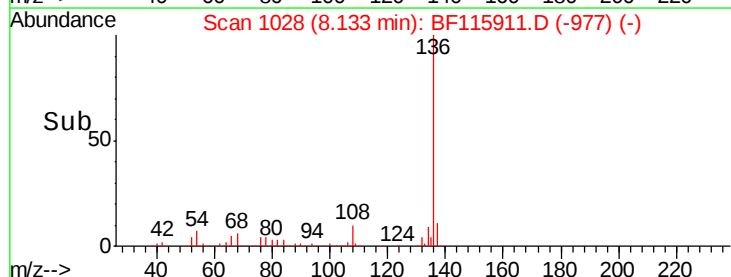
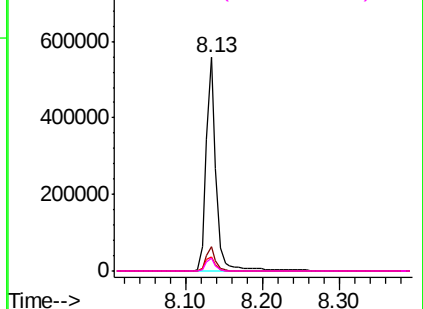


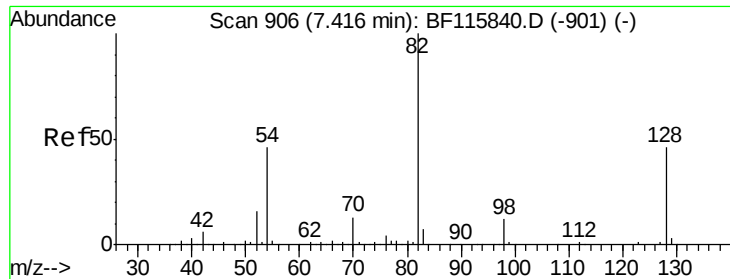
Abundance Ion 136.00 (135.70 to 136.70): E

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

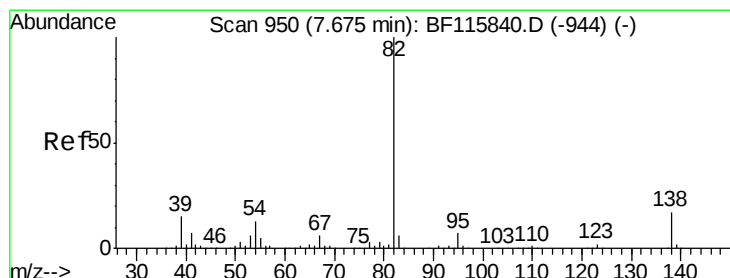
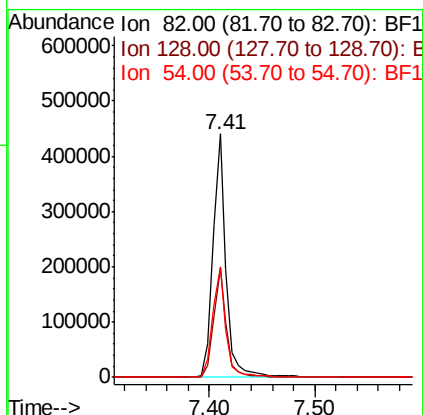
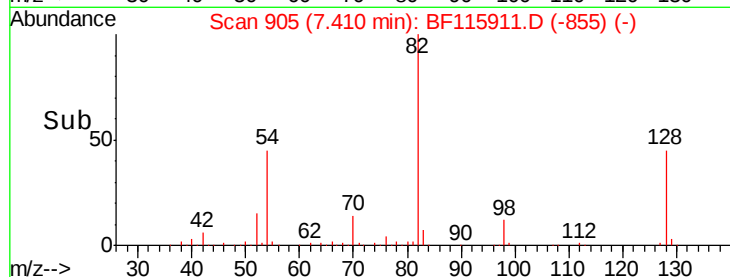
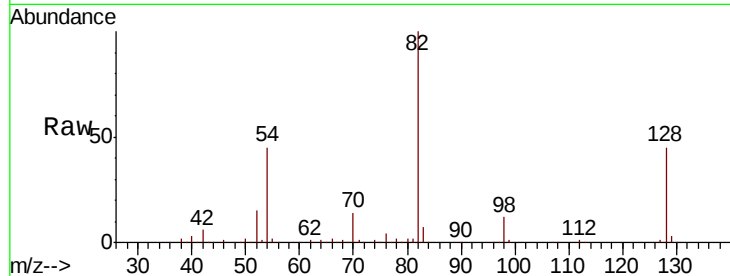




#23
 Nitrobenzene-d5
 Concen: 44.820 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115911.D
 Acq: 1 Aug 2019 17:28

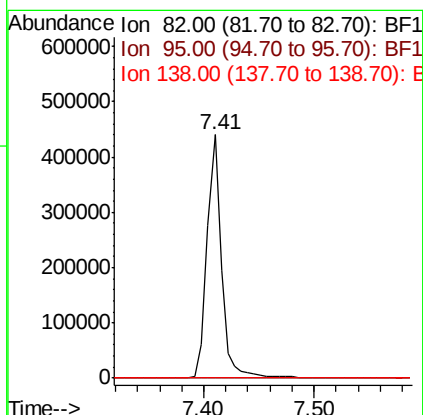
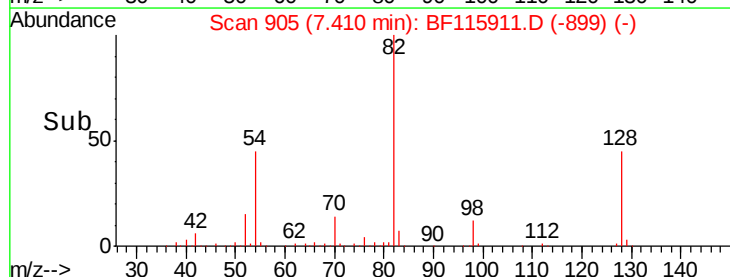
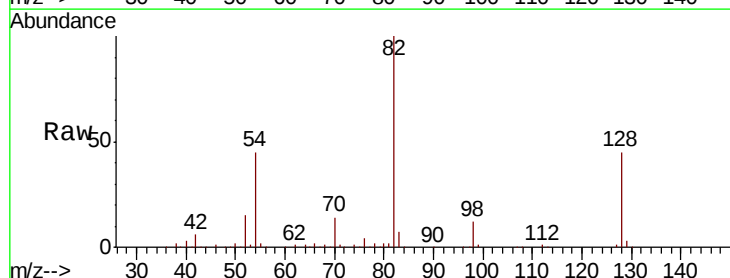
Instrument :
 BNA_F
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 T-2

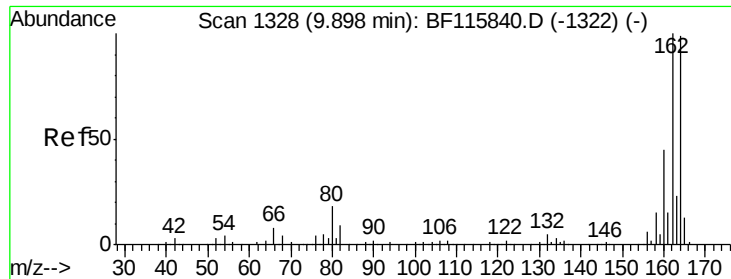
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.6	55.0
54	45.5	36.6	55.0



#25
 Isophorone
 Concen: 23.439 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF115911.D
 Acq: 1 Aug 2019 17:28

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	13.9	20.9#

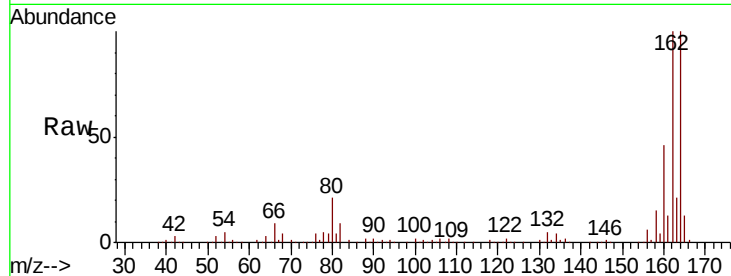




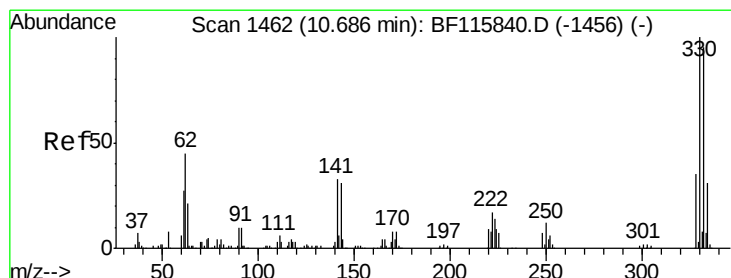
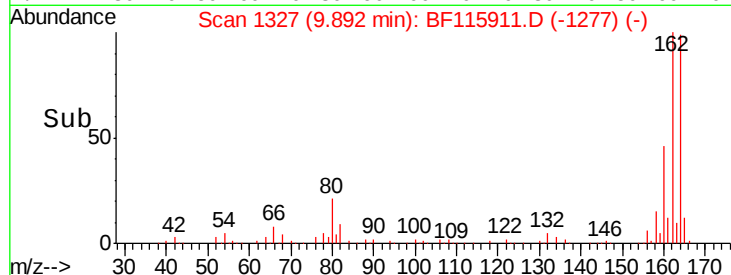
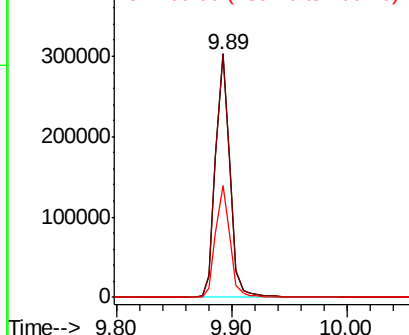
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115911.D
 Acq: 1 Aug 2019 17:28

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:164 Resp: 260344
 Ion Ratio Lower Upper
 164 100
 162 100.2 80.8 121.2
 160 46.2 36.2 54.4

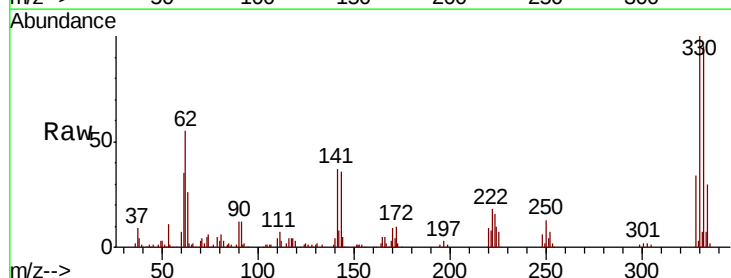


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

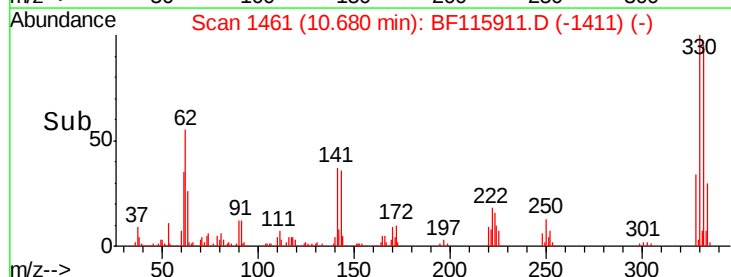
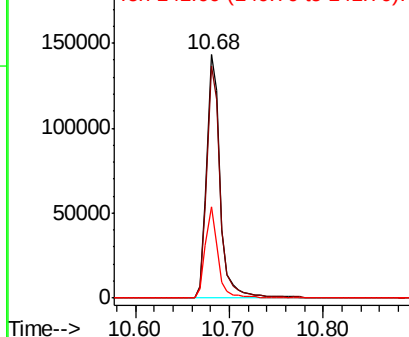


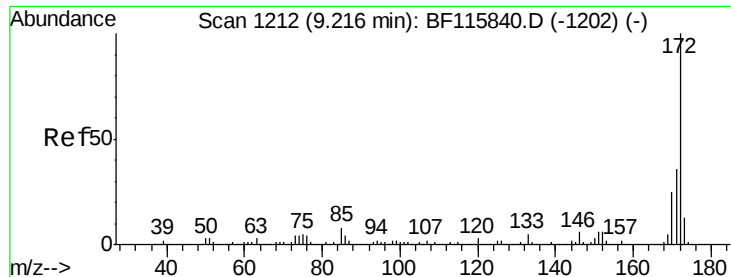
#42
 2,4,6-Tribromophenol
 Concen: 57.741 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115911.D
 Acq: 1 Aug 2019 17:28

Tgt Ion:330 Resp: 145745
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.7 116.5
 141 35.0 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

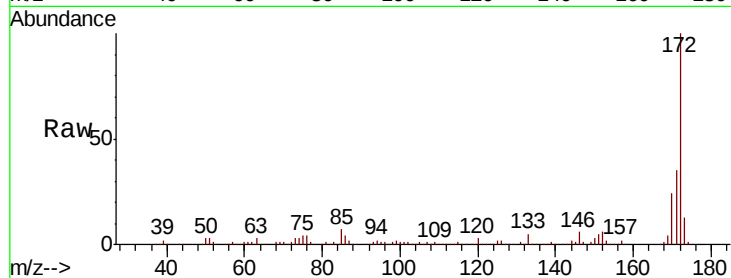




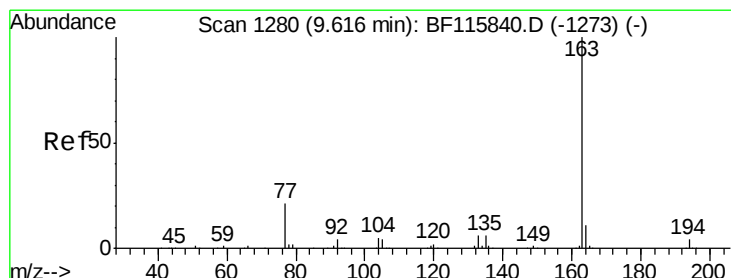
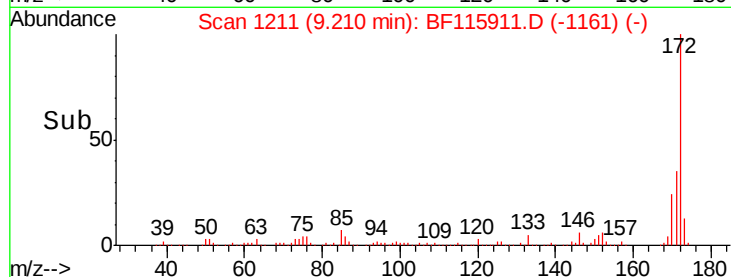
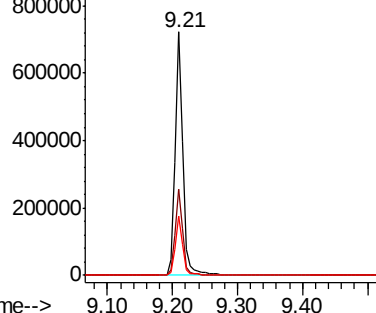
#45
2-Fluorobiphenyl
Concen: 42.990 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115911.D
Acq: 1 Aug 2019 17:28

Instrument :
BNA_F
ClientSampleId :
T-2

Tgt Ion:172 Resp: 597535
Ion Ratio Lower Upper
172 100
171 35.4 29.1 43.7
170 24.2 20.1 30.1

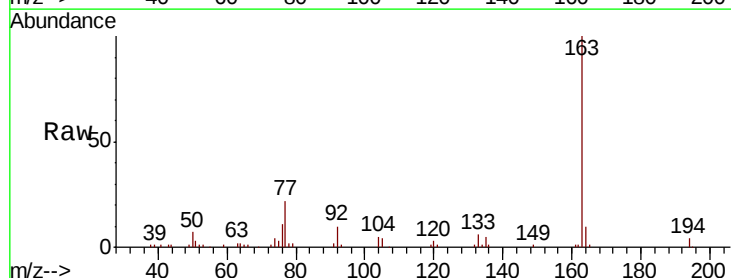


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

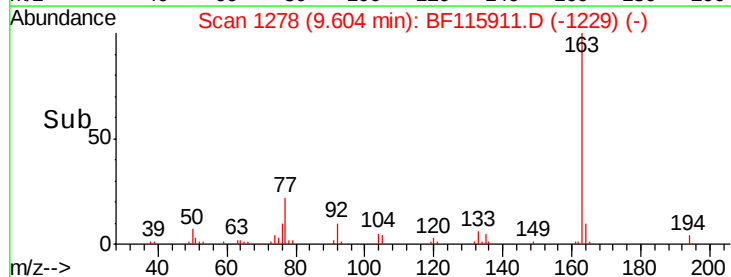
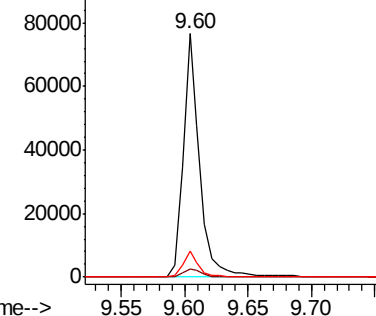


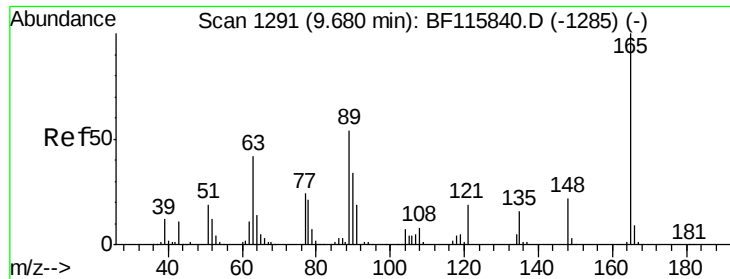
#50
Dimethylphthalate
Concen: 3.944 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115911.D
Acq: 1 Aug 2019 17:28

Tgt Ion:163 Resp: 69908
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.6
164 10.4 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

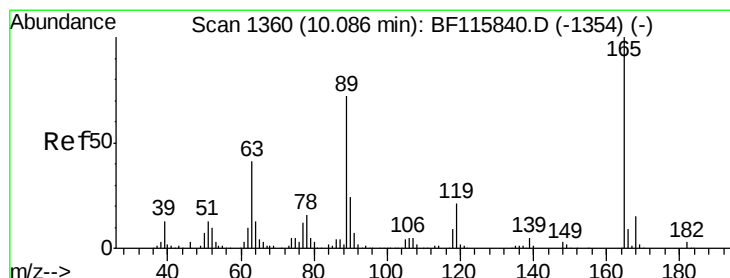
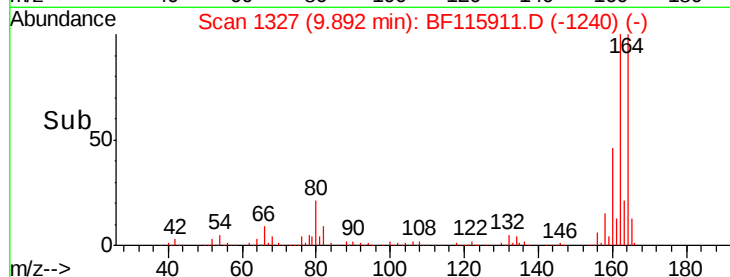
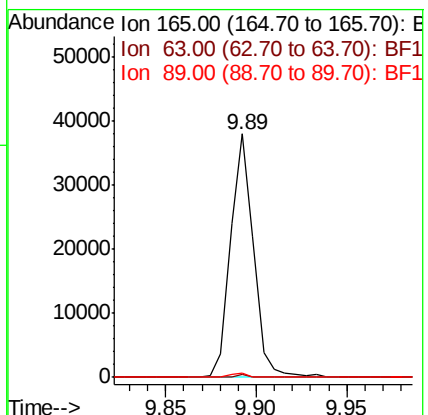
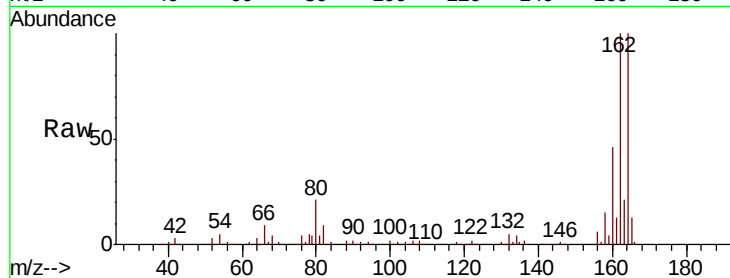




#51
 2,6-Dinitrotoluene
 Concen: 8.683 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF115911.D
 Acq: 1 Aug 2019 17:28

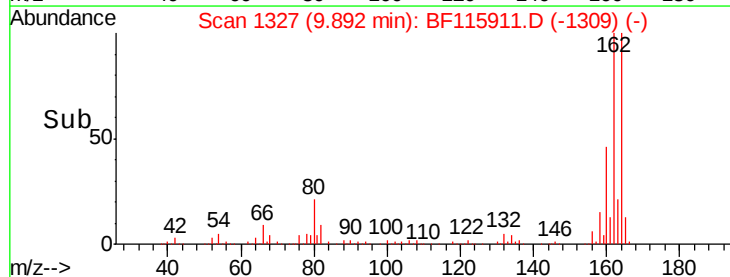
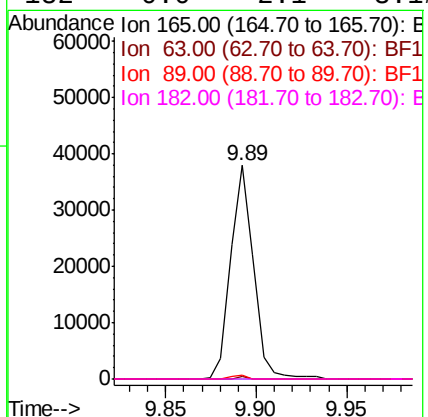
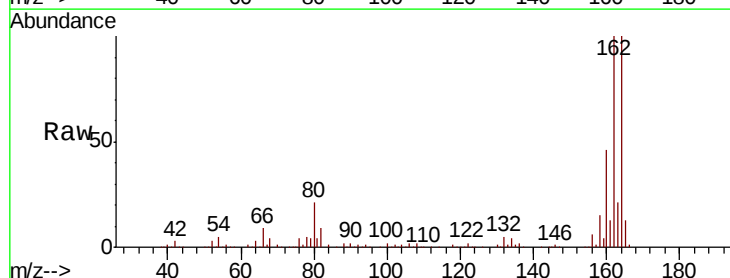
Instrument :
 BNA_F
 ClientSampleId :
 T-2

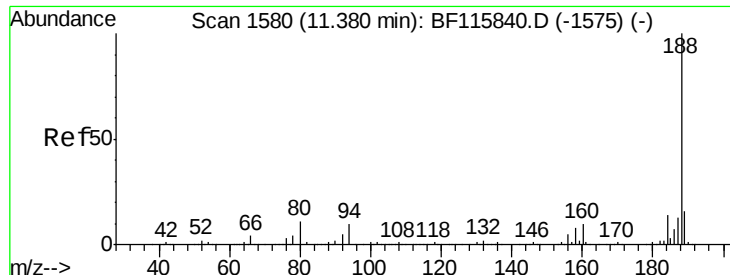
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.4	59.2#
89	1.9	43.0	64.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.521 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF115911.D
 Acq: 1 Aug 2019 17:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.2	49.8#
89	1.9	57.3	85.9#
182	0.0	2.1	3.1#

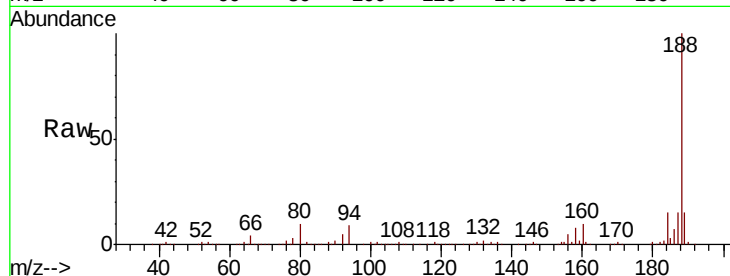




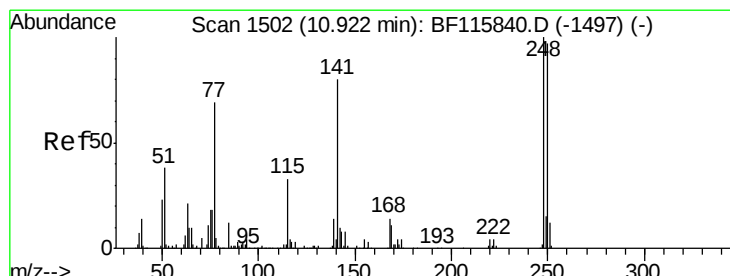
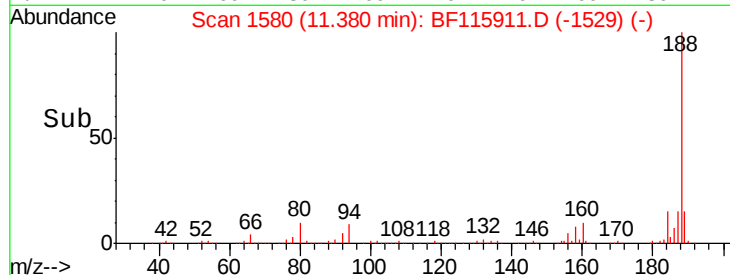
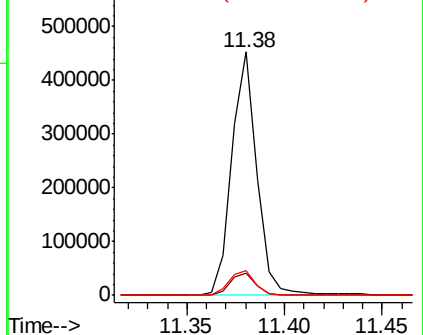
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115911.D
 Acq: 1 Aug 2019 17:28

Instrument :
 BNA_F
 ClientSampleId :
 T-2

Tgt Ion:188 Resp: 404496
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.0 12.0
 80 10.2 8.6 12.8

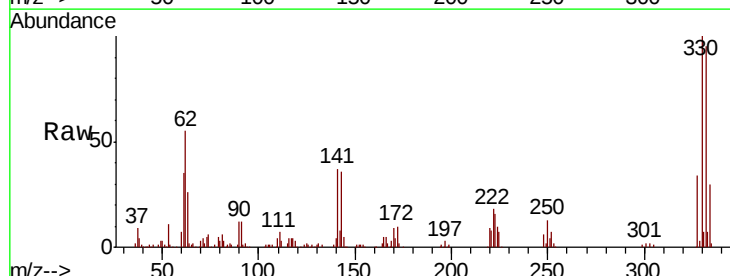


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

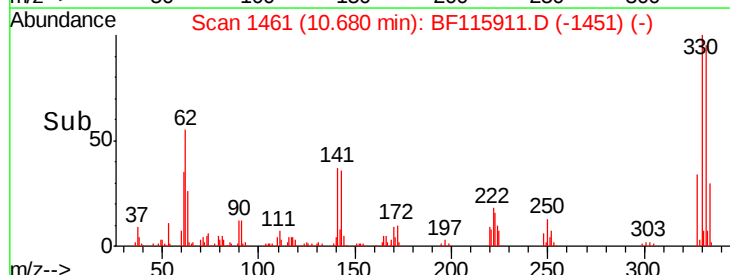
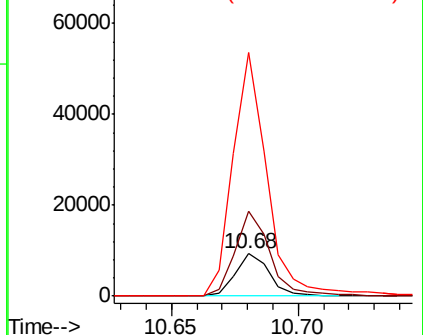


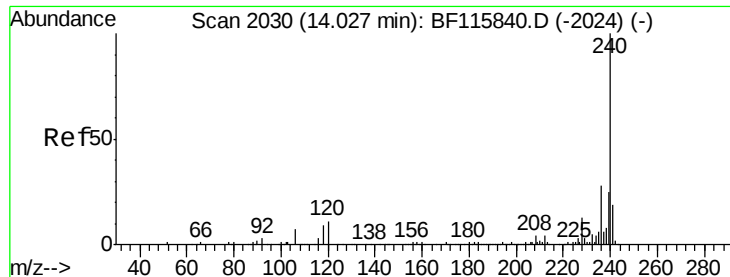
#67
 4-Bromophenyl-phenylether
 Concen: 2.002 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.24 min
 Lab File: BF115911.D
 Acq: 1 Aug 2019 17:28

Tgt Ion:248 Resp: 8667
 Ion Ratio Lower Upper
 248 100
 250 200.9 77.8 116.6#
 141 579.1 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

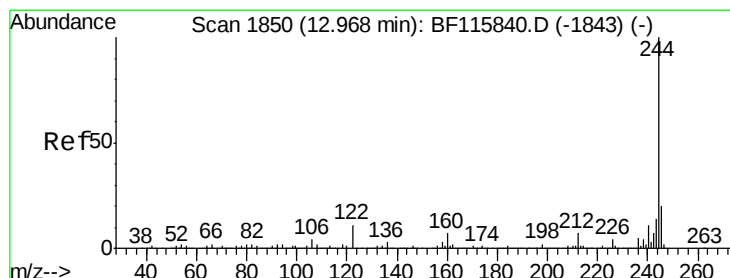
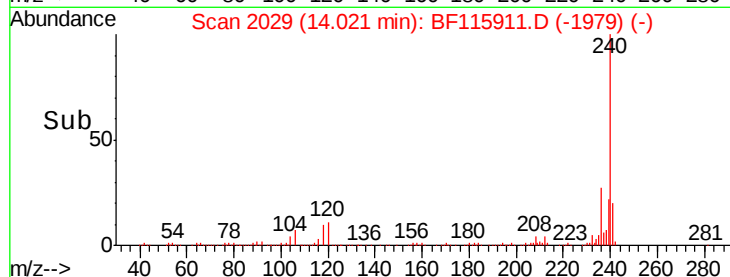
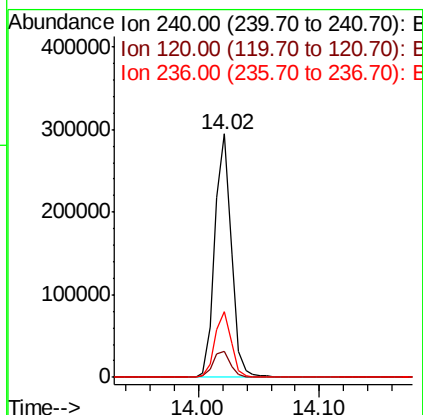
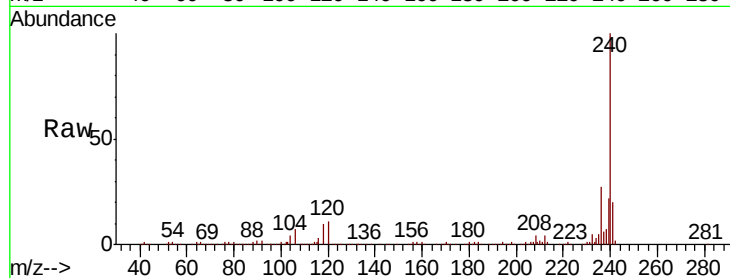




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115911.D
Acq: 1 Aug 2019 17:28

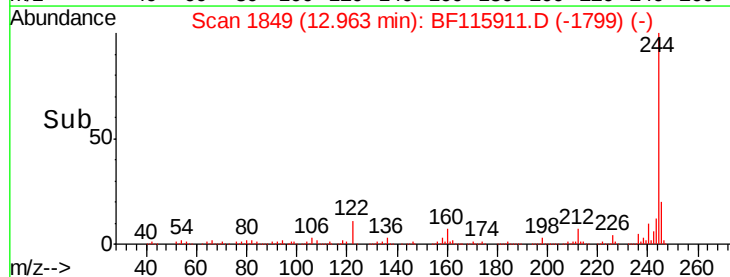
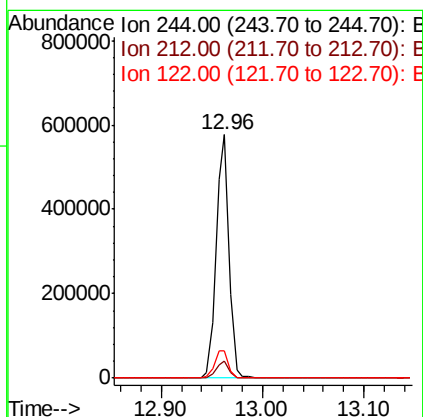
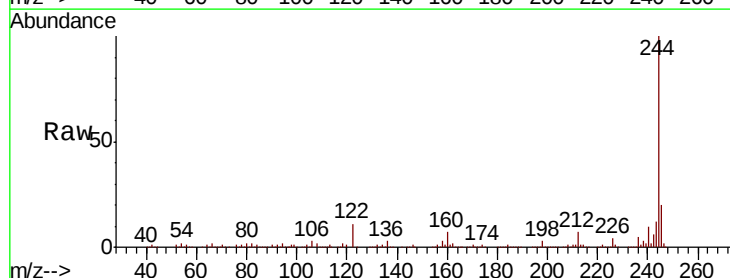
Instrument :
BNA_F
ClientSampleId :
T-2

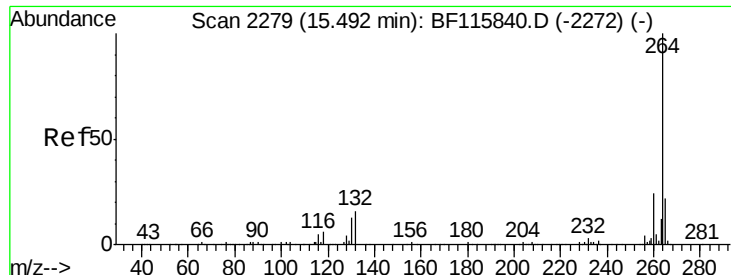
Tgt Ion:240 Resp: 275141
Ion Ratio Lower Upper
240 100
120 10.8 8.5 12.7
236 26.8 22.2 33.2



#79
Terphenyl-d14
Concen: 38.698 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF115911.D
Acq: 1 Aug 2019 17:28

Tgt Ion:244 Resp: 505291
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 11.3 8.6 13.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF115911.D
Acq: 1 Aug 2019 17:28

Instrument :
BNA_F
ClientSampleId :
T-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	21.9	17.5	26.3

